08/13/2025 09:49
Drawing Path C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 01 Title Sheet.dwg 08 13 2025 09 49 15

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JEFFERSON PARISH STANDARD PLANS

302	JEFFERSON PARISH WATER STANDARD DETAILS
303	JEFFERSON PARISH CB–01 (BRICK) STANDARD DETAILS **
304	JEFFERSON PARISH CB–06 (BRICK) STANDARD DETAILS **
305	JEFFERSON PARISH CB–08 (BRICK) STANDARD DETAILS **
307	JEFFERSON PARISH DRAINAGE STANDARD DETAILS **
308	JEFFERSON PARISH TRAFFIC CONTROL DETAILS **

	DOTD STANDARD PLANS	REV. DATE
309	BM–01 SHEET 1	10/26/23
310	BM–01 SHEET 2	10/26/23
311	CB–01 *	11/02/00
312	CB–02 *	11/02/00
313	CB–06 *	11/02/00
314	CB–08 *	10/07/10
315–316	EC–01 (2 SHTS.)	10/01/08
317	GR (MASH) OFF SYS	01/03/19
318–323	MC–01 (6 SHTS.)	05/25/18
324	R–CB–11	03/01/11
325	PM–01	02/28/19
326	PM–02	02/28/19
327	PM–05	02/28/19
328	PM–06	02/28/19
329	PM–08	02/28/19
330–333	TTC–00 (A–D) (4 SHTS.) *	02/07/25
334	TTC–01 *	02/07/25
335	TTC–02 *	02/07/25
336	TTC–03 *	02/07/25
337	TTC–04 *	02/07/25
338	TTC–05 *	02/07/25
339	TTC–07 *	02/07/25
340	TTC–12 *	02/07/25
341	TTC–15 *	02/07/25
342	SWBS–100	03/06/13

CROSS SECTIONS

401–408	CROSS SECTIONS HARVEY BLVD.
409–412	CROSS SECTIONS PETERS ROAD

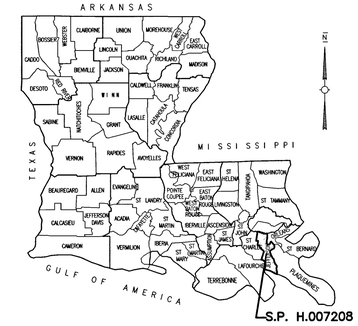
* DETAILS ONLY APPLICABLE TO LA 3017
** DETAILS ONLY APPLICABLE TO HARVEY BLVD.

TOTAL NUMBER OF DRAWINGS = 155

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
PLANS OF PROPOSED
URBAN SYSTEM PROJECT

FEDERAL AID PROJECT NO. H007208
STATE PROJECT NO. H.007208

HARVEY BLVD EXT
(PETERS RD - MANHATTAN)
JEFFERSON PARISH



VICINITY MAP
NOT TO SCALE



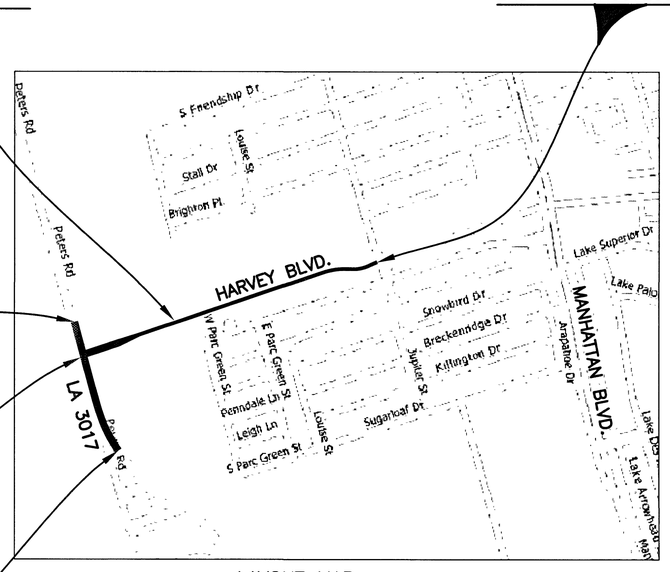
BRIDGE SITE: 135.00'
STA. 19+30.50 TO
STA. 20+65.50

C.S. 000–26 LOG MILE 0.610
STA. 42+00
END S.P. H.007208
END F.A.P. H007208

C.S. 826–11 LOG MILE 3.584
STA. 59+00
END S.P. H.007208
END F.A.P. H007208

C.S. 000–26 LOG MILE 0.00
STA. 9+75.26
BEGIN S.P. H.007208
BEGIN F.A.P. H007208

C.S. 826–11 LOG MILE 3.887
STA. 43+00
BEGIN S.P. H.007208
BEGIN F.A.P. H007208



LAYOUT MAP
SCALE:1"=600'
600 0 600 1200 1800

LOCATION OF WORK

CONTROL STATION	LOG MILE	
	BEGIN	END
000–26	0.00	0.61
826–11	3.584	3.887

PREPARED AND RECOMMENDED FOR APPROVAL BY:

DANIEL F. BOBECK, P.E. (LA LICENSE NO. 38640)
DATE 8/13/2025

APPROVED (C.S.–000–26)

ANGELA DESOTO, P.E.
DIRECTOR OF ENGINEERING
JEFFERSON PARISH DEPT. OF ENGINEERING
DATE 8/14/25

APPROVED (C.S. 826–11)

DOTD CHIEF ENGINEER
DATE 8/21/25

ACCEPTED FOR LETTING(C.S. 000–26)

DOTD CHIEF ENGINEER
DATE 8/21/25

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS
REVISED PLANS

NO	DATE	REVISION DESCRIPTION	BY
1	9/29/25	Shts 1, 1a, 3c-3e, 6, 10, 20, 28-32, 55, 81, 202	CWS

DATE 9/30/25 RECOMMENDED BSW DATE 9/30/25 APPROVED

SCHEDULE OF REVISIONS

TYPE OF CONSTRUCTION:

GRADING, EARTHWORK, SUB–SURFACE DRAINAGE, BASE COURSE, ASPHALT CONCRETE PAVEMENT, PORTLAND CEMENT CONCRETE PAVEMENT, & CONCRETE SLAB SPANS BRIDGE

HARVEY BLVD.

ROADWAY CLASSIFICATION:
URBAN ARTERIAL

TRAFFIC DATA
2025 A.D.T. 6,850
2045 A.D.T. 7,375
D = 71%
K = 11%
T = 7.5%
DESIGN SPEED = 30 M.P.H.

LA3017 (PETERS RD.)

ROADWAY CLASSIFICATION:
URBAN ARTERIAL

TRAFFIC DATA
2025 A.D.T. 12,910
2045 A.D.T. 13,900
D = 71%
K = 11%
T = 9.3%
DESIGN SPEED = 45 M.P.H.

DATUM USED : CAIRO DATUM (BASED ON N.A.V.D. 88)
MAG. VAR. : N/A
BEARINGS ARE : LA STATE PLANE SOUTH ZONE
TRANSIT BOOKS : LANDMARK 548–03, 551–03, 552–03, 565–04
LEVEL BOOKS : LEVEL NOTES ARE CONTAINED IN TRANSIT BOOKS

SCALES
PLAN : 1"=20'
PROFILE : HORZ. 1"=20'
VERT. 1"=2'

NOTE:
THE 2016 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT SPECIFICATIONS, SHALL GOVERN ON THIS PROJECT

LENGTH OF PROJECT

C.S 000–26 — C.S. 826–11

DESCRIPTION	ALGEBRAIC SUM OF ALL EQUATIONS	GROSS LENGTH	BRIDGE LENGTH		ROADWAY LENGTH			
					HARVEY BLVD.		PETERS RD.	
STATION TO STATION	FEET	FEET	FEET	MILES	FEET	MILES	FEET	MILES
HARVEY BLVD.								
9+75.26 TO 42+00	–	3224.74	135	0.025	3089.74	0.585		
PETERS ROAD								
43+00 TO 59+00	–	1600					1600	0.303
SUBTOTAL LENGTH			135	0.025	3089.74	0.585	1600	0.303
TOTAL LENGTH OF ROADWAY– HARVEY BLVD & PETERS ROAD					4689.74 FEET		0.888 MILES	
TOTAL MILES THIS PROJECT						0.913		

SHEET NUMBER 1

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26, 826–11	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE SHEET
DB	MAC	MAC	MAC	07/18/25

TITLE SHEET & LAYOUT MAP
HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

PERRIN & CARTER, INC

1

CONTRACT:

THIS IS A CONTRACT FOR THE PARISH OF JEFFERSON, DEPARTMENT OF PUBLIC WORKS. THE PROJECT INCLUDES NEW HARVEY BLVD. THAT IS A TWO LANE ASPHALT ROAD FROM PETERS ROAD THAT TERMINATES AT THE EXISTING HARVEY BLVD/VILLAGE GREEN STREET INTERSECTION. THE PROJECT ALSO INCLUDES A BRIDGE OVER MURPHY CANAL AND DRAINAGE IMPROVEMENTS ALONG THE NEW HARVEY BLVD. ROADWAY. THIS PROJECT ALSO INCLUDES THE ADDTION OF TURNING LANES ALONG PETERS ROAD BOTH NORTH AND SOUTH OF THE HARVEY BLVD./PETERS ROAD INTERSECTION.

DRAWINGS:

DRAWINGS FOR ALL WORK ITEMS ARE PROVIDED. IT IS INTENDED THAT THE CONTRACTOR WORK WITH BOTH THE CONTRACT DRAWINGS AND THE APPLICABLE SECTIONS OF THE CONTRACT SPECIFICATIONS TO OBTAIN COMPLETE INFORMATION OF THE WORK TO BE DONE. IN THE EVENT OF A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND THE SPECIFICATIONS, THE ENGINEER SHALL DECIDE AS TO THE TRUE INTENT AND MEANING.

SHOP DRAWINGS, WHEN REQUIRED, SHALL BE PREPARED IN SUFFICIENT DETAIL TO FABRICATE AND INSTALL ALL ITEMS NECESSARY FOR THE COMPLETION OF THE CONTRACT. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND/OR APPROVAL PRIOR TO ANY WORK COMMENCING ON THE ITEMS DEPICTED IN THE DRAWINGS. A COMPLETE SET OF AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE CONTRACT.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS IN ORDER TO PROCEED WITH WORK. AFTER CONSTRUCTION LAYOUT IS PERFORMED, THE CONTRACTOR SHALL VERIFY THAT ALL BASELINES, BENCHMARKS AND OTHER PROJECT CONTROLS ARE ACCURATE. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND CONTRACTOR'S LAYOUT INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

SPECIFICATIONS:

1) LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2016 EDITION.

2) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, SEVENTEENTH EDITION, 2002.

3) SEE SHEET 201, GENERAL NOTES, FOR MATERIAL SPECIFICATIONS AND DESIGN AND CONSTRUCTION STANDARDS FOR THE BRIDGE CONSTRUCTION.

LEGAL RESPONSIBILTY TO PUBLIC:

THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE SECTIONS OF SECTION 107, LSSRB, TO PROVIDE REQUIRED PERMITS, LICENSES, INSURANCE, AND PUBLIC SANITARY HEALTH, AND SAFETY PROVISIONS. ALL WORK CONDITIONS AND TRAINING FOR CONTRACTOR EMPLOYEES AND SUBCONTRACTORS SHALL CONFORM WITH THE REQUIREMENTS OF OSHA.

MINIMIZING TRAFFIC INTERFERENCE:

THE CONTRACTOR SHALL SCHEDULE AND PLAN THE WORK TO MINIMIZE INTERFERENCE WITH VEHICULAR TRAFFIC. TRAFFIC CONTROL TIME SHALL BE PART OF THE PROJECT SCHEDULE.

VEHICULAR TRAFFIC:

FOR ANY WORK WHICH CAUSES AN INTERRUPTION OF THE NORMAL FLOW OF VEHICULAR TRAFFIC, THE CONTRACTOR IS REQUIRED TO PROVIDE PROPER TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, THE LADOTD STANDARDS AND TRAFFIC CONTROL DETAILS AND THE MUTCD. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND JEFFERSON PARISH'S DEPARTMENT OF ENGINEERING, TRAFFIC DIVISION AT LEAST TEN (10) DAYS PRIOR TO IMPLEMENTING TRAFFIC CONTROLS, AND AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO CHANGING TRAFFIC CONTROL SCHEMES.

THE CONTRACTOR SHALL ALSO NOTIFY "911", THE JEFFERSON PARISH SHERIFF'S OFFICE, TRAFFIC DIVISION, FIRE DEPARTMENT, PARISH PUBLIC INFORMATION OFFICER, ETC. PRIOR TO IMPLEMENTING TRAFFIC CONTROLS.

NO SIGNS, SIGNALS OR TRAFFIC CONTROL DEVICES SHALL BE REMOVED OR COVERED WITHOUT THE JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION APPROVAL. THE CONTRACTOR ACCEPTS ALL RESPONSIBILITIES DURING THE TIME OF REMOVAL. THE CONTRACTOR WILL NOTIFY THE PARISH TRAFFIC ENGINEER AND/OR LADOTD TRAFFIC ENGINEER IN WRITING TEN (10) WORKING DAYS IN ADVANCE WHEN CONTROLS ARE TO BE REMOVED AND REINSTALLED. ALL TRAFFIC CONTROL DEVICES AND ASSOCIATED HARDWARE (SIGNS, SIGNALS, CONDUITS, CABLES, MARKINGS, ETC.) REMOVED ARE DAMAGED DURING THE EXECUTION OF THIS CONTRACT, OTHER THAN AS PROVIDED FOR IN THIS CONTRACT SHALL BE REPLACED AT NO COST TO THE OWNER.

GENERAL REQUIREMENTS:

DUST CONTROL: THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT OR MINIMIZE UNNECESSARY AIR BORNE DUST. ALL SURFACES SUBJECT TO DUSTING SHALL BE KEPT MOIST WITH WATER OR BY APPLICABLE CHEMICAL DUST SUPPRESANT. DUSTY MATERIALS SHALL BE COVERED TO PREVENT FROM BLOWING. THERE IS NO DIRECT PAY FOR THIS.

NOISE CONTROL: THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOISE. SUCH MEASURES SHALL BE APPROPRIATE FOR NORMAL AMBIENT SOUND LEVELS IN THE AREA DURING WORKING HOURS . NO DIRECT PAY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARAY DRAINAGE WITHIN THE PROJECT AREA DURING CONSTRUCTION AND SHALL NOT RESTRICT DRAINAGE FLOW OR IMPEDE DRAINAGE DURING RAIN EVENTS. NO DIRECT PAY.

THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS FOR CONSTRUCTION PURPOSES.

THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AND ANY APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REQUIEMENTS.

ALL DIMENSIONS SHOWN ARE DESIGN DIMENSIONS. ACTUAL DIMENSIONS MAY VARY IN THE FIELD. THE CONTRACTOR WILL ADHERE TO THE DESIGN DIMENSIONS IN THE FIELD TO THE NEAREST PRACTICAL LIMITS AS DETERMINED BY THE PROJECT ENGINEER IF TOLERANCES ARE NOT SPECIFIED.

THE CONTRACTOR SHALL PROVIDE A PROPOSED HAUL ROUTE FOR ALL EQUIPMENT OR MATERIALS HAULED TO OR FROM THE CONSTRUCTION SITE PRIOR TO THE START OF CONSTRUCTION. THE ROUTE MUST BE APPROVED BY JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION PRIOR TO THE START OF CONSTRUCTION. ALL DUMP TRUCKS SHALL BE COVERED TO PREVENT MATERIAL FROM FALLING ON ROADWAY.

DISPOSAL OF MATERIALS:

ALL MATERIALS REMOVED AS THE RESULT OF REPAIR ACTIVITIES AND NOT SPECIFIED TO BE SALVAGED SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE PROPERLY DISPOSED OF OFF THE JOB SITE UNLESS OTHERWISE NOTED.

SALVAGE OF MATERIAL:

ITEMS WHICH ARE SPECIFIED TO BE SALVAGED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED BY THE CONTRACTOR TO LOCATIONS WITHIN 20 MILES OF THE SITE AS DIRECTED, AT NO COST TO THE OWNER.

SALVAGE OF RAP (RECLAIMED ASPHALT PAVING):

CONTRACTOR SHALL DELIVER ALL RAP TO THE JEFFERSON PARISH DRAINAGE DEPARTMENT SALVAGE YARD AT NO ADDITIONAL COST TO THE OWNER. THE DRAINAGE DEPARTMENT SITE IS LOCATED AT 10139 NICOLLE BLVD. THIS LOCATION IS JUST SOUTH OF THE LAPALCO BLVD./NICOLLE BLVD. INTERSECTON IN AVONDALE LOUISIANA. THE CONTRACTOR SHALL COORDINATE THE DELIVERY OF THE RAP WITH JEFFERSON PARISH AT LEAST 10 DAYS IN ADVANCE OF REQUIRING DELIVERY OF THE MATERIAL. CONTACT MR. DONALD HOGAN, P.E. WITH THE THE JEFFERSON PARISH DEPARTMENT OF STREETS FOR COORDINATING THE DELIVERY OF RAP. (504-349-5808)

DAMAGE TO PROPERTY:

ANY PROPERTY DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED OR REPLACED PROMPTLY, AT THE EXPENSE OF THE CONTRACTOR.

UTILITIES-CONTRACTOR RESPONSIBILITY:

LOUISANA ONE-CALL MUST BE CONTACTED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AND SHALL REPORT ANY DAMAGE TO THE APPLICABLE UTILITY ENTITIES IMMEDIATELY AFTER IT OCCURS. ANY REPAIRS (IF REQUIRED) TO THE DAMAGED PRIVATE UTILITIES SHALL BE MADE BY THE APPLICABLE UTILITY ENTITIES. ALL REPAIR COST SHALL BE BORNE BY THE CONTRACTOR.

STATE OF LOUISIANA
09/11/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

SHEET NUMBER 1a

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	DETAILED	DATE SHEET
DB	MAC	07/18/25
CHECKED	CHECKED	BY
MAC	MAC	MAC

NO	DATE	REVISION DESCRIPTION
0	09/10/25	REVISED-REMOVE REF. TO WORK TIMES & SITE VISIT

GENERAL NOTES

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

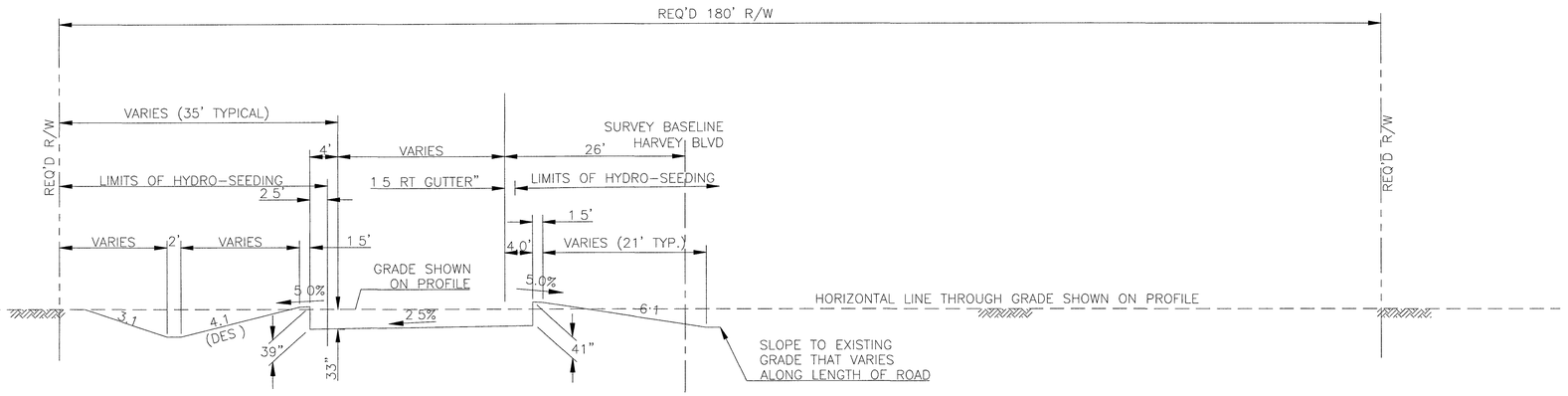
BOTD

PERRIN & CARTER, INC.

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NOTE: THIS AREA IS DUST SENSITIVE



TYPICAL GRADING SECTION – 2 LANE ARTERIAL SECTION

APPLIES. STA 11+00 TO 18+90.50
APPLIES: STA 21+05.05 TO 36+20

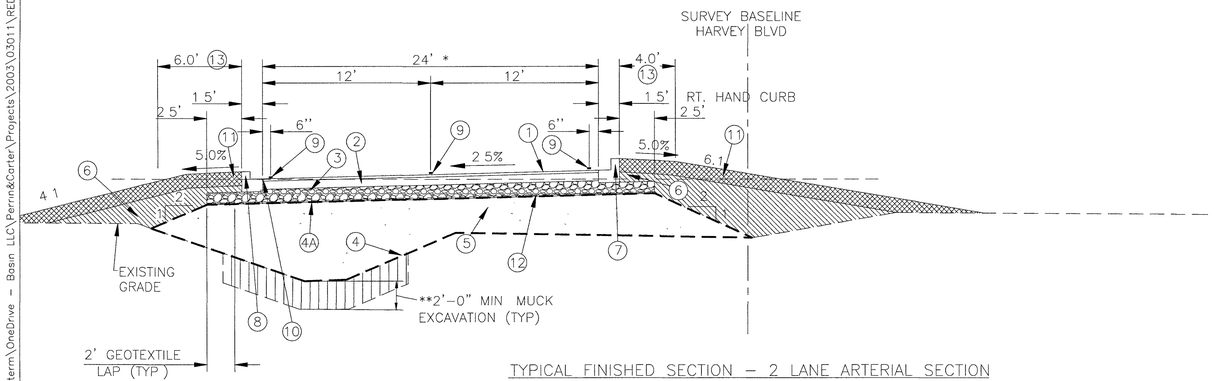
WIDTH OF ROADWAY VARIES FROM AHEAD OF BRIDGE APPROACH SLAB AT EACH END OF BRIDGE–SEE SHEET 6

* ROADWAY WIDTH AND CROSS SLOPE VARIES FROM STA. 36+20 TO STA 42+00 AS ROAD TRANSITIONS THROUGH CURVE TO CONNECTION AT EXISTING ROAD
* SEE GRADES OF ROADWAY AND WIDTH ON SHEET 51

SCALE 1"=10'

LEGEND

(1) 2" ASPHALT CONCRETE WEARING COURSE, LEVEL 2F
(2) 7" ASPHALT CONCRETE BINDER COURSE, LEVEL 2
(3) 12" CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED PCCP)
(4) GEOTEXTILE FABRIC TO LAP 2' OVER TOP OF SUBBASE COURSE (PAID UNDER GEOTEXTILE FABRIC)
(4A) GEOTEXTILE FABRIC (TO BE INCLUDED WITH COST OF BASE COURSE)
(5) 12" (MIN) NON–PLASTIC EMBANKMENT (SAND)
(6) EMBANKMENT
(7) COMBINATION CONCRETE CURB AND GUTTER (8" BARRIER)
(8) COMBINATION CONCRETE CURB AND GUTTER (6" BARRIER)
(9) STRIPING AND PAVEMENT MARKERS
(10) PROFILE GRADE LINE
(11) 12" PLASTIC SOIL EMBANKMENT (PAID UNDER EMBANKMENT)
(12) GEOGRID
(13) AREA TO BE CLEARED OF OBSTRUCTIONS



TYPICAL FINISHED SECTION – 2 LANE ARTERIAL SECTION

APPLIES STA 11+00 TO 18+90.50 (WIDTH VARIES STA 9+91.03 TO 11+00)
APPLIES. STA 21+05.05 TO 36+20

WIDTH OF ROADWAY VARIES FROM AHEAD OF BRIDGE APPROACH SLAB AT EACH END OF BRIDGE–SEE SHEET 6

* ROADWAY WIDTH AND CROSS SLOPE VARIES FROM STA. 36+20 TO STA 42+00 AS ROAD TRANSITIONS THROUGH CURVE TO CONNECTION AT EXISTING ROAD
* SEE GRADES OF ROADWAY AND WIDTH ON SHEET 51

SCALE 1"=5'

** UNDER THE DIRECTION OF THE PROJECT ENGINEER, EXISTING DRAINAGE DITCHES WITHIN THE REQ'D BASE LIMITS AND OUTSIDE THE REQ'D BEDDING MATERIAL LIMITS FOR REQ'D DRAINAGE PIPES SHALL BE MUCK EXCAVATED 2'–0" (MIN.) (OR UNTIL SUITABLE SOIL IS REACHED) AND BACKFILLED WITH NON–PLASTIC EMBANKMENT (SAND).

DESIGN WAIVERS (HARVEY BLVD)
– 8" BARRIER CURB ALONG SOUTH SIDE
– 6" BARRIER CURB ALONG PROPERTY LINE SIDE

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

FLEXIBLE PAVEMENT STRUCTURAL DESIGN – HARVEY BOULEVARD	
TWO WAY TRAFFIC (ADT)	=7,375
NUMBER OF LANES IN DESIGN DIRECTION	=2
PERFORMANCE PERIOD (YEARS)	=20
18 KIP ESAL'S	=6,624,449
STRUCTURAL NUMBER REQUIRED (INCHES)	=5.46
STRUCTURAL NUMBER PROVIDED (INCHES PER LAYER)	
1 SUPERPAVE WEARING COURSE, LEVEL 2F (2")	=0.88
2. SUPERPAVE BINDER COURSE, LEVEL 2 (7")	=3.08
3 CLASS II BASE COURSE (12")	=1.51
STRUCTURAL NUMBER PROVIDED (TOTAL INCHES)	=5.47

SHEET NUMBER 2

PARISH: JEFFERSON
CONTROL SECTION: 000–26
STATE PROJECT: H.007208
DESIGNED: MAC
CHECKED: MAC
DETAILED: RWM
CHECKED: MAC
DATE: 07/18/25
SHEET

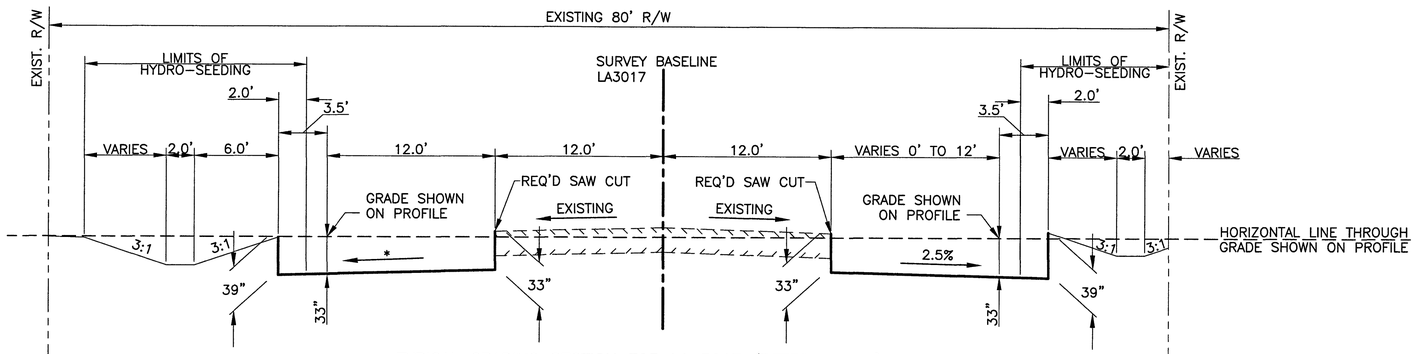
NO | DATE | BY | REVISION DESCRIPTION

TYPICAL SECTIONS AND DETAILS
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

PERRIN & CARTER, INC.

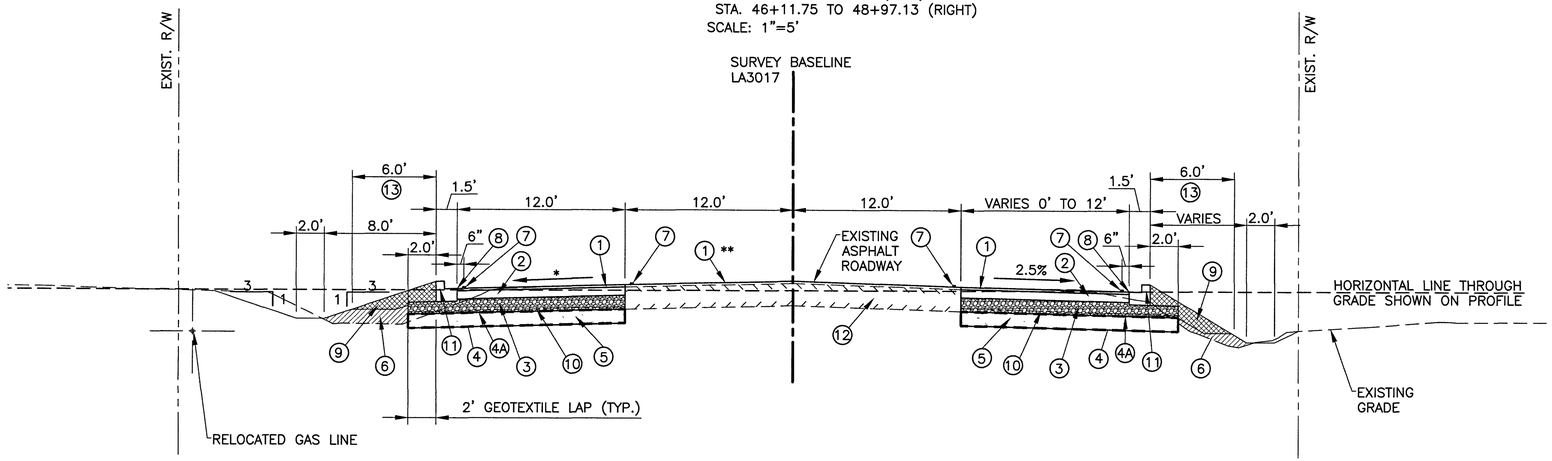
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TYPICAL GRADING SECTION FOR LA 3017 (PETERS ROAD) WIDENING

TO APPLY: STA. 43+00 TO 59+00 (LEFT)
STA. 46+11.75 TO 48+97.13 (RIGHT)
SCALE: 1"=5'



* STATION 43+00 TO 46+70: SLOPE VARIES FROM −2.0% TO +3.0%

STATION 46+70 TO 59+00: SLOPE VARIES BETWEEN 2.0% AND 3.0% TO PROVIDE FOR POSITIVE DRAINAGE

** REQUIRED 2" MILLING OF EXISTING SURFACE

TYPICAL SECTION FOR LA 3017 (PETERS ROAD) WIDENING

TO APPLY: STA. 43+00 TO 59+00 (LEFT)
STA. 46+11.75 TO 48+97.13 (RIGHT)
SCALE: 1"=5'

LEGEND

1. 2" ASPHALT CONCRETE WEARING COURSE, LEVEL 2F
2. 7" ASPHALT CONCRETE BINDER COURSE, LEVEL 2
3. 12" CLASS II BASE COURSE (CRUSHED STONE OR RECYCLED PCCP)
4. CLASS D GEOTEXTILE FABRIC TO LAP 2' OVER TOP OF SUBBASE COURSE (PAID UNDER GEOTEXTILE FABRIC)
4A. CLASS D GEOTEXTILE FABRIC (TO BE INCLUDED WITH COST OF BASE COURSE)
5. 12" (MIN) NON-PLASTIC EMBANKMENT (SAND)
6. EMBANKMENT
7. STRIPING AND PAVEMENT MARKERS
8. PROFILE GRADE LINE
9. 12" PLASTIC SOIL EMBANKMENT (PAID UNDER EMBANKMENT)
10. GEOGRID
11. COMBINATION CONCRETE CURB AND GUTTER (6" BARRIER)
12. EXISTING PAVEMENT TO REMAIN
13. AREA TO BE CLEARED OF STRUCTURES AND OBSTRUCTIONS

SHEET NUMBER 2a

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	826-11	H.007208

DESIGNED / CHECKED	DETAILED / CHECKED	DATE / SHEET	BY
MAC DFB	MAC DFB	07/18/25	

NO	DATE	REVISION DESCRIPTION

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TYPICAL SECTION AND DETAILS

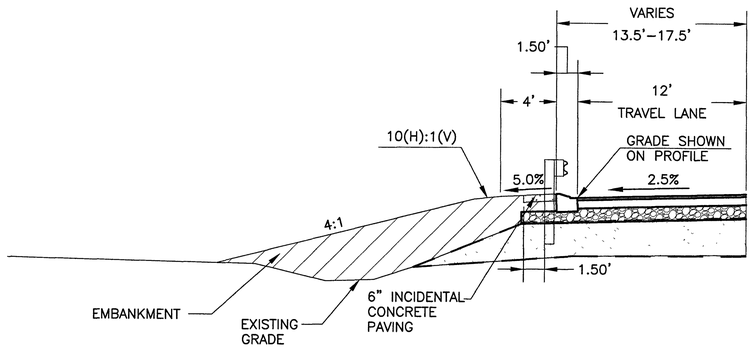
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

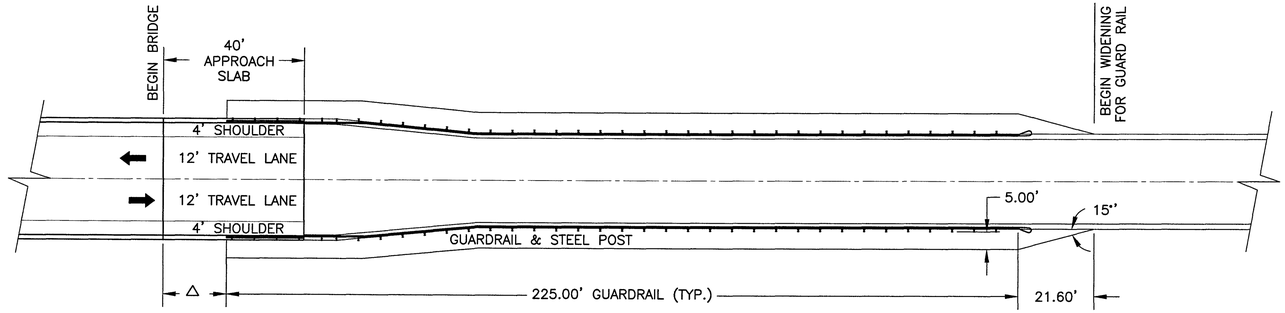
PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 02A.dwg 07.23.2025 15:43:50
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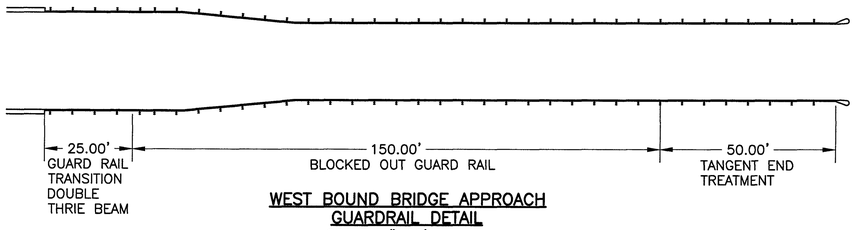


TYPICAL EMBANKMENT WIDENING DETAIL
SCALE: 1"=5'

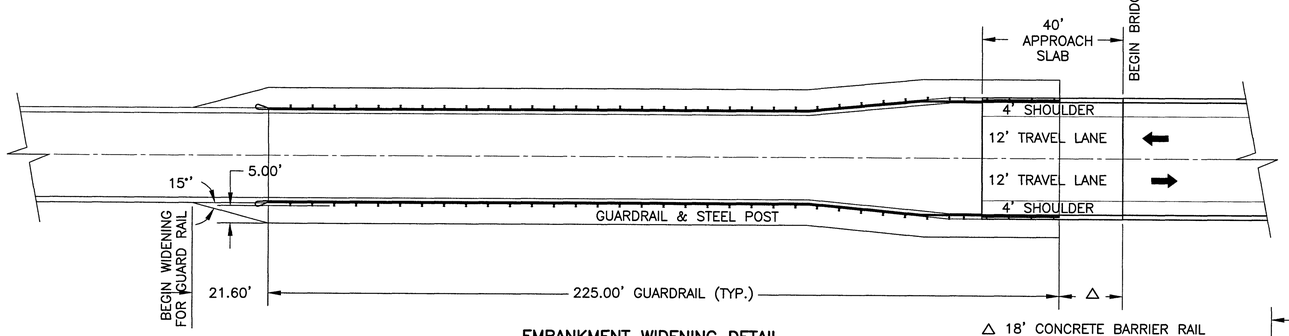


△ 18' CONCRETE BARRIER RAIL

EMBANKMENT WIDENING DETAIL
WEST BOUND BRIDGE
SCALE: 1"=20'

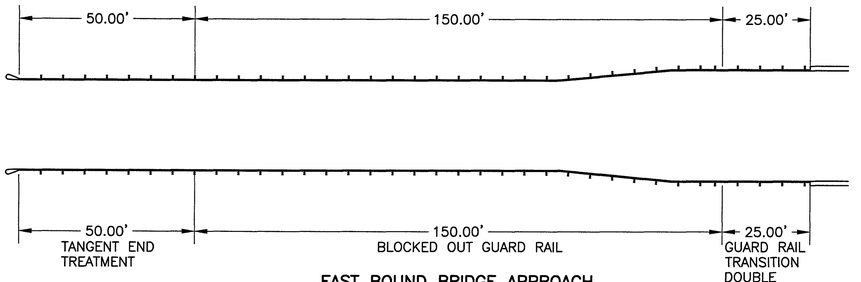


WEST BOUND BRIDGE APPROACH
GUARDRAIL DETAIL
SCALE: 1"=20'



△ 18' CONCRETE BARRIER RAIL

EMBANKMENT WIDENING DETAIL
EAST BOUND BRIDGE APPROACH
SCALE: 1"=20'



EAST BOUND BRIDGE APPROACH
GUARDRAIL DETAIL
SCALE: 1"=20'

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 2b

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED	DETAILED	DATE
MAC DFB	MAC DFB	07/18/25

CHECKED	CHECKED	SHEET
DFB	DFB	

NO	DATE	REVISION DESCRIPTION

TYPICAL SECTION AND DETAILS

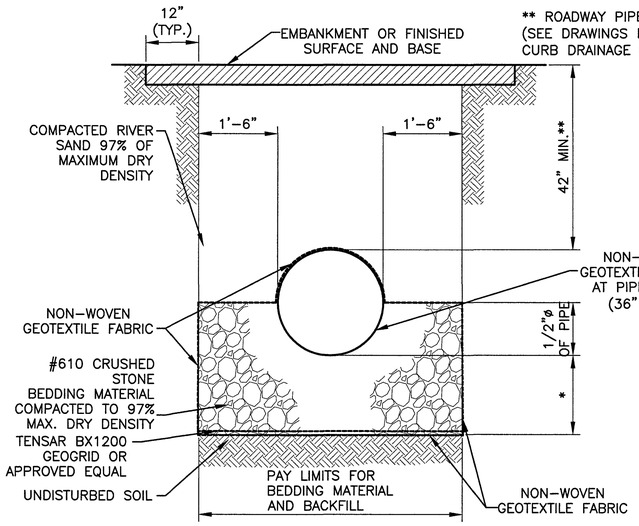
HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

07/23/2025 15:48

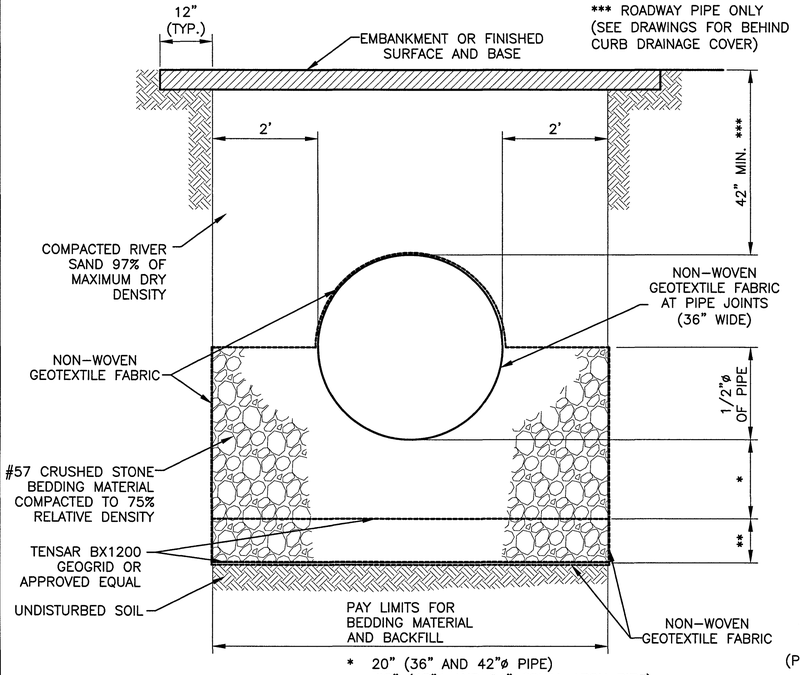
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* 18" (15"–24"ø PIPE)
24" (30"ø PIPE)

PIPE INSTALLATION
(PIPE DIAMETER LESS THAN 36")

SCALE: 3/4"=1'–0"

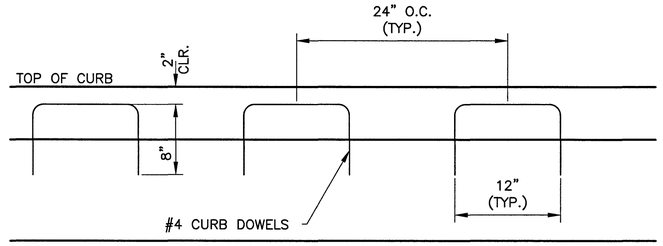


* 20" (36" AND 42"ø PIPE)
22" (48"ø AND 54" EQUIV. ARCH PIPE)
34" (60"ø PIPE)

** 8" (36" AND 42"ø PIPE)
10" (48"ø, 60"ø, AND 54 EQUIV. ARCH PIPE)

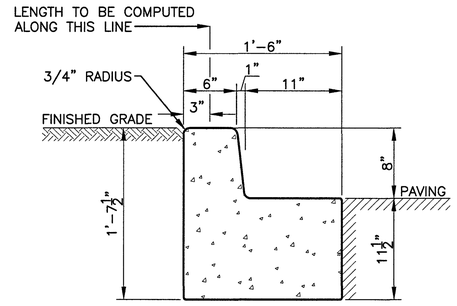
PIPE INSTALLATION
(PIPE DIAMETER 36"AND GREATER)

SCALE: 3/4"=1'–0"



CURB DOWEL DETAIL

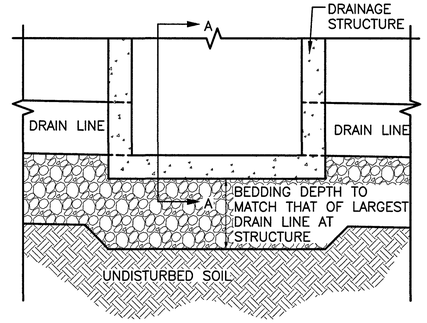
SCALE: 1½"=1'–0"



MATCH JOINTS OF ABUTTING PAVING. PROVIDE A MIN. OF TOOLED JOINTS @ 15' O.C. AND EXPANSION JOINTS @ 60' O.C.

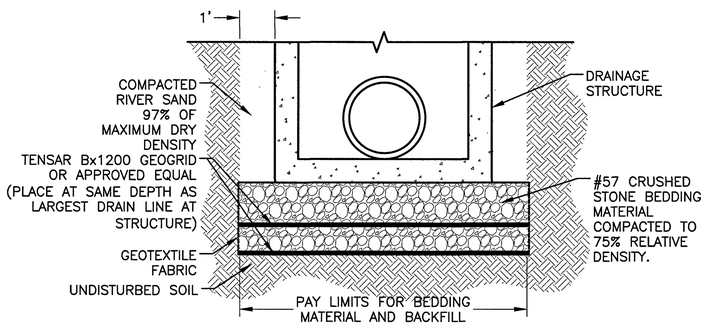
COMBINATION CONCRETE CURB AND GUTTER (8" BARRIER) (AT ASPHALT PAVEMENT)

SCALE: 1½"=1'–0"



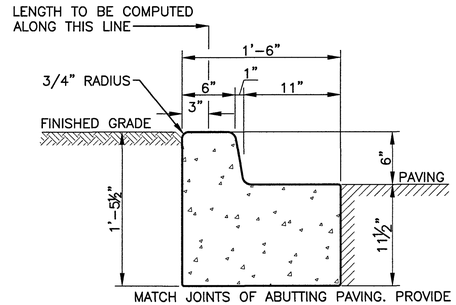
TYPICAL CATCH BASIN/DROP INLET BEDDING DETAIL

SCALE: 1/2"=1'–0"



SECTION A–A

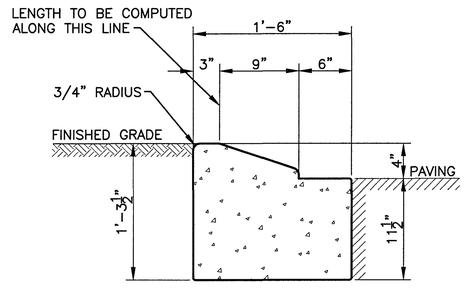
SCALE: 1/2"=1'–0"



MATCH JOINTS OF ABUTTING PAVING. PROVIDE A MIN. OF TOOLED JOINTS @ 15' O.C. AND EXPANSION JOINTS @ 60' O.C.

COMBINATION CONCRETE CURB AND GUTTER (6" BARRIER) (AT ASPHALT PAVEMENT)

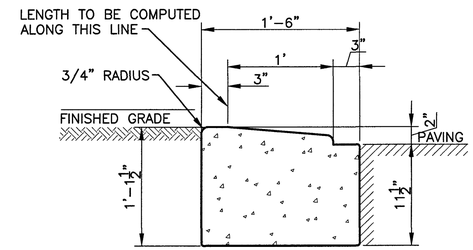
SCALE: 1½"=1'–0"



MATCH JOINTS OF ABUTTING PAVING. PROVIDE A MIN. OF TOOLED JOINTS @ 15' O.C. AND EXPANSION JOINTS @ 60' O.C.

COMBINATION CONCRETE CURB AND GUTTER (MOUNTABLE) (AT ASPHALT PAVEMENT)

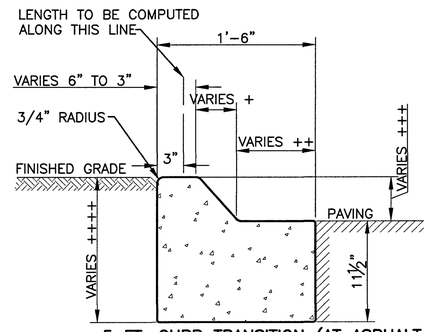
SCALE: 1½"=1'–0"



MATCH JOINTS OF ABUTTING PAVING. PROVIDE A MIN. OF TOOLED JOINTS @ 15' O.C. AND EXPANSION JOINTS @ 60' O.C.

COMBINATION CONCRETE CURB AND GUTTER (DEPRESSED) (AT ASPHALT PAVEMENT)

SCALE: 1½"=1'–0"



\+ 1" TO 9" (MOUNTABLE CURB)
1" TO 12" (DEPRESSED CURB)

++ 11" TO 6" (MOUNTABLE CURB)
11" TO 3" (DEPRESSED CURB)

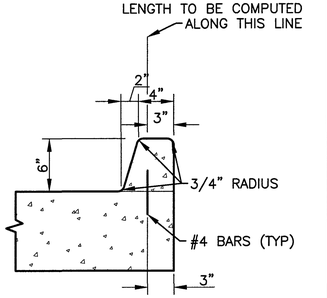
+++ 8" TO 4" (MOUNTABLE CURB)
6" TO 4" (MOUNTABLE CURB)
8" TO 2" (DEPRESSED CURB)

++++ 1'–7 1/2" TO 1'–3 1/2" (MOUNTABLE CURB)
1'–5 1/2" TO 1'–3 1/2" (MOUNTABLE CURB)
1'–7 1/2" TO 1'–1 1/2" (DEPRESSED CURB)

NOTE: CURB TRANSITION TO BE PAID FOR UNDER 6" AND 8" BARRIER CURB AND GUTTER PAY ITEM

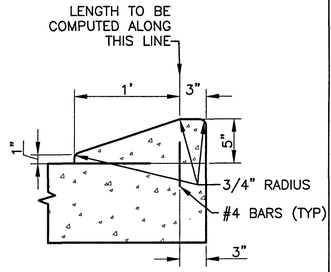
5 FT. CURB TRANSITION (AT ASPHALT PAVEMENT)

SCALE: 1½"=1'–0"



INTEGRAL CONCRETE CURB (6" BARRIER)

N.T.S.



INTEGRAL CONCRETE CURB (MOUNTABLE)

N.T.S.

STATE OF LOUISIANA
DANIEL F. BOBECK
07/18/2025
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SHEET NUMBER	2c
PARISH	JEFFERSON
CONTROL SECTION	000-26, 826-11
STATE PROJECT	H.007208
DESIGNED / CHECKED	JGO / MAC
DETAILED / CHECKED	RMM / JGO
DATE / SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

TYPICAL SECTIONS AND DETAILS

HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD
PERRIN & CARTER, INC.

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EARTHWORK (CU. YDS.)

STATION	STATION	GENERAL EXCAVATION	EMBANKMENT
HARVEY BLVD. C.S. 000-26			
9+75.26	19+30.50	440	8360
20+65.50	42+00	1400	8180
HARVEY BLVD. C.S. 000-26		1840	16540
PETERS ROAD C.S. 826-11			
43+00	59+00	3200	1400
TOTAL PETERS ROAD		3200	1400
TOTAL ALL PROJECTS		5040	17940

TEMPORARY SILT FENCING

STATION	STATION	DESCRIPITION	LENGTH
			FEET
HARVEY BLVD. C.S. 000-26			
9+75.26	19+30.50	HARVEY BLVD (LT & RT)	1920
20+65.50	42+00	HARVEY BLVD (LT & RT)	4280
TOTAL HARVEY BLVD. C.S. 000-26			6200
PETERS ROAD C.S. 826-11			
43+00	59+00	LA 3017 (LT & RT)	3200
TOTAL PETERS ROAD C.S. 826-11			3200
TOTAL ALL PROJECTS			9400

TEMPORARY HAY OR STRAW BALES

STATION	SIDE ℄	EACH
HARVEY BLVD. C.S. 000-26		
10+72	RT.	4
13+93.36	LT.	4
13+93.36	RT.	4
14+10	RT.	4
15+05	RT.	4
25+00	RT.	4
26+06.31	LT.	4
26+06.31	LT.	4
26+06.31	RT.	4
30+00	LT.	4
30+00	RT.	4
30+00	RT.	4
33+72	LT.	4
34+00	LT.	4
34+00	RT.	4
34+50	LT.	4
35+27	LT.	4
38+00	LT.	4
38+00	RT.	4
38+00	RT.	4
41+94	LT.	4
42+00	LT.	4
42+00	RT.	4
TOTAL HARVEY BLVD. C.S. 000-26.		92
PETERS ROAD C.S. 826-11		
46+71	LT.	4
46+97	RT.	4
48+45	RT.	4
50+00	LT.	4
52+00	LT.	4
56+00	LT.	4
58+00	LT.	4
TOTAL PETERS ROAD C.S. 826-11		28
TOTAL ALL PROJECTS		120

MUCK EXCAVATION

STATION	STATION	SIDE ℄	DESCRIPITION	LENGTH	WIDTH	DEPTH	CUBIC YARDS
				FEET	FEET	FEET	
HARVEY BLVD. C.S. 000-26							
24+00	40+00	LT.	EXISTING DITCH	1600	9.5-25.6	2	1970
TOTAL HARVEY BLVD. C.S. 000-26							1970

REMOVAL OF ASPHALT PAVEMENT

STATION	STATION	DESCRIPITION	LENGTH	WIDTH	SQUARE YARDS
			FEET	FEET	
PETERS ROAD C.S. 826-11					
43+00	59+00	LA 3017	2360	7.1 TO 8.1	2100
TOTAL PETERS ROAD C.S. 826-11					2100
TOTAL ALL PROJECTS					2100

REMOVAL OF CONCRETE WALKS AND DRIVES

STATION	STATION	SIDE ℄	DESCRIPITION	SQUARE YARDS
PETERS ROAD C.S. 826-11				
44+85	59+00	LT. & RT.	LA 3017	925
TOTAL PETERS ROAD C.S. 826-11				925
TOTAL ALL PROJECTS				925

NONPLASTIC EMBANKMENT (SAND)

STATION	STATION	DESCRIPITION	CUBIC YARDS
HARVEY BLVD. C.S. 000-26			
9+75.26	19+30.50	HARVEY BLVD	6093.47
20+65.50	42+00	HARVEY BLVD	10275.60
TOTAL HARVEY BLVD. C.S. 000-26.			16369.07
PETERS ROAD C.S. 826-11			
43+00	59+00	LA 3017	1577.30
TOTAL PETERS ROAD C.S. 826-11			1577.30
TOTAL ALL PROJECTS			17946.37

SHEET NUMBER 3

PARISH: JEFFERSON | CONTROL SECTION: 000-26, 826-11 | STATE PROJECT: H.007208

DESIGNED: MAC DFB | DETAILED: MAC DFB | DATE: 07/18/25 | SHEET

BY | NO. | DATE | REVISION DESCRIPTION

STATE OF LOUISIANA
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
07/18/2025

SUMMARY OF ESTIMATED QUANTITIES

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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CLASS II BASE COURSE (12" THICK)

STATION	STATION	DESCRIPITION	SQUARE YARDS
HARVEY BLVD.			
9+75.26	19+30.50	HARVEY BLVD	6580
20+65.50	42+00	HARVEY BLVD	8090
TOTAL HARVEY BLVD.			14670
PETERS ROAD			
43+00	59+00	LA 3017	4300
TOTAL PETERS ROAD			4300
TOTAL ALL PROJECTS			18970

CLASS II BASE COURSE (6" THICK)

STATION	STATION	DESCRIPITION	SQUARE YARDS
HARVEY BLVD.			
9+75.26	19+30.50	HARVEY BLVD	95
TOTAL HARVEY BLVD.			95

MILLING ASPHALT PAVEMENT (2")

STATION	STATION	DESCRIPITION	SQUARE YARDS
PETERS ROAD			
43+00	59+00	LA 3017	5350
TOTAL PETERS ROAD			5350

CONCRETE DRIVE (8")

STATION	DESCRIPTION	SQUARE YARDS
PETERS ROAD		
45+33	DRIVEWAY, LT.	97.20
48+10	DRIVEWAY, LT.	109.25
48+12	DRIVEWAY, RT.	31.85
51+38	DRIVEWAY, LT.	93.40
57+55	DRIVEWAY, LT.	88.70
TOTAL PETERS ROAD		420.40
TOTAL ALL PROJECTS		420.40

PETERS ROAD PAVEMENT MARKINGS 8 INCH SOLID WHITE LINE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
48+10.52	50+10.12	PLASTIC PAVEMENT STRIPING (SOLID WHITE LINE) (8 " WIDTH)THERMOPLASTIC 90 MIL) NORTHBOUND NEAR INTERSECTION	199.6	0.0378
50+35.50	51+99.50	PLASTIC PAVEMENT STRIPING (SOLID WHITE LINE) (8 " WIDTH)THERMOPLASTIC 90 MIL) SOUTHBOUND NEAR INTERSECTION	164.0	0.0310
		TOTAL	363.6	0.0688

PETERS ROAD PAVEMENT MARKINGS 24 INCH SOLID WHITE LINE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
50+10.12		PLASTIC PAVEMENT STRIPING (SOLID WHITE LINE) (24" WIDTH)THERMOPLASTIC 125 MIL) STOP BAR NORTHBOUND AT HARVEY INTERSECTION	12.00	NA
50+35.50		PLASTIC PAVEMENT STRIPING (SOLID WHITE LINE) (24" WIDTH)THERMOPLASTIC 125 MIL) STOP BAR SOUTHBOUND AT HARVEY INTERSECTION	12.00	NA
		TOTAL	24.00	NA

PETERS ROAD PAVEMENT MARKINGS 4 INCH DOUBLE YELLOW SOLID LINE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
43+00.00	59+00.00	PLASTIC PAVEMENT STRIPING (SOLID DOUBLE YELLOW LINE) (4" WIDTH)(THERMOPLASTIC 90 MIL) EACH SIDE OF CENTER LANE	3200.0	0.606
		TOTAL	3200.0	0.606

PETERS ROAD RAISED REFLECTORIZED PAVEMENT MARKERS(YELLOW)

STATION	STATION	DESCRIPITION	NUMBER EACH
43+00.00	59+00.00	RELECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 YELLOW/YELLOW)	160
		TOTAL	160

PETERS ROAD PAVEMENT MARKINGS 4 INCH WHITE LINE AT LANE EDGE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
43+00.00	59+00.00	PLASTIC PAVEMENT STRIPING (SOLID 4" WIDTH WHITE LINE) (THERMOPLASTIC 90 MIL) AT LANE OUTER EDGE– SOUTHBOUND	1600.0	0.303
43+00.00	50+00.00	PLASTIC PAVEMENT STRIPING (SOLID 4" WIDTH WHITE LINE) (THERMOPLASTIC 90 MIL) AT LANE OUTER EDGE– NORTHBOUND	700.0	0.133
51+24.24	59+00.00	PLASTIC PAVEMENT STRIPING (SOLID 4" WIDTH WHITE LINE) (THERMOPLASTIC 90 MIL) AT LANE OUTER EDGE– NORTHBOUND	775.76	0.147
		TOTAL	3075.76	0.583

PETERS ROAD RAISED REFLECTORIZED PAVEMENT MARKERS(WHITE/RED)

STATION	STATION	DESCRIPITION	NUMBER EACH
48+10.52	50+10.12	RELECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 WHITE/RED) NORTHBOUND	20
50+35.50	51+99.50	RELECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 WHITE/RED) SOUTHBOUND	17
		TOTAL	37

ASPHALT CONCRETE (TONS)

STATION	STATION	DESCRIPITION	7" BINDER COURSE SQ. YDS.	2" WEARING COURSE SQ. YDS.	TONS
HARVEY BLVD. C.S. 000–26					
9+75.26	18+90.50	HARVEY BLVD	5200	5200	2457
18+90.50	21+05.50	BRIDGE		0	
21+05.50	42+00	HARVEY BLVD	6200	6200	2929
TOTAL HARVEY BLVD.			11400	11400	5386
PETERS ROAD C.S. 826–11					
43+00	59+00	LA 3017	2400	8300	1753
TOTAL PETERS ROAD			2400	8300	1753
TOTAL ALL PROJECTS			13800	19700	7139

SAW CUTTING CONCRETE AT EXISTING DRIVES

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH INLF
PETERS ROAD.				
45+13.50	45+51.42	CONC. DRIVE 8" THICK	37.9	303.2
47+87.17	48+32.97	CONC. DRIVE 8" THICK	45.8	366.4
51+18.87	51+58.03	CONC. DRIVE 8" THICK	39.2	313.6
57+35.99	57+74.72	CONC. DRIVE 8" THICK	38.7	309.6
TOTAL PETERS ROAD			161.6	1292.8

SAW CUTTING ASPHALTIC CONCRETE ALONG PETERS ROAD

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH INLF
PETERS ROAD.				
45+00.00	59+00.00	SOUTHBOUND SHOULDER	1600.00	12800.00
46+00.62	51+22.70	NORTHBOUND SHOULDER	522.08	4176.64
TOTAL PETERS ROAD			2122.08	16976.64

STATE OF LOUISIANA
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
07/18/2025

SHEET NUMBER 3a

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED CHECKED	DETAILED CHECKED	DATE SHEET
MAC DFB	MAC DFB	07/18/25

NO.	REVISION DESCRIPTION	BY	DATE

SUMMARY OF ESTIMATED QUANTITIES

HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD PERRIN & CARTER, INC.

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CONCRETE CURB & GUTTER

STATION	STATION	SIDE ℄	DESCRIPITION	LINEAR FEET			
				6" BARRIER	8" BARRIER	4" MOUNTABLE	DEPRESSED
HARVEY BLVD.							
9+75.26	18+90.50	LT. & RT.	HARVEY BLVD	1110	1200	970	6
21+05.50	42+00	LT. & RT.	HARVEY BLVD	1805	1805	610	
TOTAL HARVEY BLVD.				2915	3005	1580	6
PETERS ROAD							
43+00	59+00	LT. & RT.	LA 3017	1625			
TOTAL PETERS ROAD				1625			
TOTAL ALL PROJECTS				4540	3005	1580	6

EROSION CONTROL SYSTEM (SLOPE PROTECTION) (TYPE A)

STATION	STATION	SIDE ℄	DESCRIPITION	SQUARE YARDS
HARVEY BLVD.				
10+00	11+80	LT. & RT.	HARVEY BLVD	1890
TOTAL HARVEY BLVD.				1890

HARVEY BLVD. PAVEMENT MARKINGS 8 INCH SOLID WHITE LINE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
10+00.00	11+00.00	PLASTIC PAVEMENT STRIPING (SOLID WHITE LINE) (8 " WIDTH)THERMOPLASTIC 90 MIL) NEAR INTERSECTION	100.00	0.008
		TOTAL	44.00	0.008

HARVEY BLVD. PAVEMENT MARKINGS 24 INCH SOLID WHITE LINE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
10+30.96		PLASTIC PAVEMENT STRIPING (SOLID WHITE LINE) (24" WIDTH)THERMOPLASTIC 125 MIL) STOP BAR AT PETERS RD.	15.00	NA
		TOTAL	15.00	NA

HARVEY BLVD. PAVEMENT MARKINGS 4 INCH DOUBLE YELLOW SOLID LINE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
11+00.00	42+00.00	PLASTIC PAVEMENT STRIPING (SOLID DOUBLE YELLOW LINE) (4" WIDTH)THERMOPLASTIC 90 MIL) DOUBLE LINE CENTER OF HARVEY BLVD	3110.86	0.589
		TOTAL	3110.86	0.589

HARVEY BLVD. PAVEMENT MARKINGS 4 INCH WHITE LINE AT LANE EDGE

STATION	STATION	DESCRIPITION	LENGTH FEET	LENGTH MILE
09+86.65	42+00.00	PLASTIC PAVEMENT STRIPING (SOLID 4" WIDTH WHITE LINE) (THERMOPLASTIC 90 MIL) AT LANE OUTER EDGE– WESTBOUND	3274.12	0.620
09+86.65	42+00.00	PLASTIC PAVEMENT STRIPING (SOLID 4" WIDTH WHITE LINE) (THERMOPLASTIC 90 MIL) AT LANE OUTER EDGE– EASTBOUND	3294.61	0.624
		TOTAL	6568.73	1.244

HARVEY BLVD. RAISED REFLECTORIZED PAVEMENT MARKERS(YELLOW)

STATION	STATION	DESCRIPITION	NUMBER EACH
11+00.00	42+00.00	RELECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 YELLOW/YELLOW)	320
		TOTAL	320

SLAB SODDING (AT EACH CB–01 AND DROP INLET)

STATION	SIDE ℄	SQUARE YARDS
HARVEY BLVD.		
10+72	RT.	5.19
13+93.36	LT.	5.19
13+93.36	RT.	5.19
14+10	RT.	5.19
15+05	RT.	5.19
25+00	RT.	5.19
26+06.31	LT.	5.19
26+06.31	LT.	5.19
26+06.31	RT.	5.19
30+00	LT.	5.19
30+00	RT.	5.19
30+00	RT.	5.19
33+72	LT.	5.19
34+00	LT.	5.19
34+00	RT.	5.19
34+50	LT.	5.19
35+27	LT.	5.19
38+00	LT.	5.19
38+00	RT.	5.19
38+00	RT.	5.19
41+94	LT.	5.19
42+00	LT.	5.19
42+00	RT.	5.19
TOTAL HARVEY BLVD.		119.37

SLAB SODDING (CONT)

STATION	SIDE ℄	SQUARE YARDS
PETERS ROAD		
46+71	LT.	5.05
46+97	RT.	5.05
48+45	RT.	5.05
50+00	LT.	5.05
52+00	LT.	5.05
56+00	LT.	5.05
58+00	LT.	5.05
TOTAL PETERS ROAD		40
TOTAL ALL PROJECTS		345

TEMPORARY SEDIMENT CHECK DAMS (HAY)

STATION	SIDE ℄	EACH
HARVEY BLVD.		
10+90	LT. & RT.	2
11+26	RT. (MEDIAN)	1
12+90	LT. & RT.	2
12+95	RT. (MEDIAN)	1
16+05	LT.	1
17+00	RT. (MEDIAN)	1
23+42	RT.	1
23+65	RT. (MEDIAN)	1
23+92	LT.	1
27+00	LT. & RT.	2
27+00	RT. (MEDIAN)	1
29+00	LT. & RT.	2
29+00	RT. (MEDIAN)	1
31+00	LT. & RT.	2
31+00	RT. (MEDIAN)	1
32+86	RT. (MEDIAN)	1
33+00	LT. & RT.	2
35+00	LT. & RT.	2
37+00	LT. & RT.	2
37+00	RT. (MEDIAN)	1
39+00	LT. & RT.	2
39+00	RT. (MEDIAN)	1
41+00	LT. & RT.	2
41+00	RT. (MEDIAN)	1
TOTAL HARVEY BLVD.		34
PETERS ROAD		
53+00	LT.	1
55+00	LT.	1
TOTAL PETERS ROAD		2
TOTAL ALL PROJECTS		36

07/17/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 3b

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MBD	DJFB	RMJ	DJFB	07/18/25	

REVISION DESCRIPTION | DATE | NO. | BY

SUMMARY OF ESTIMATED QUANTITIES

HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

07/23/2025 16:11

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 03B.dwg 07.23.2025 16:11:22

9/30/2025 12:55:42 PM

REVISION 1

SUMMARY OF ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	General Items - (000-26)		General Items - (826-11)		QUANTITY TOTAL					
201-01-00100	Clearing and Grubbing	LUMP	LUMP		LUMP		LUMP					
202-01-00100	Removal of Structures and Obstructions	LUMP	LUMP		LUMP		LUMP					
202-02-02020	Removal of Asphalt Pavement	SQYD			2,100		2,100					
202-02-06090	Removal of Concrete Revetment	LUMP	LUMP				LUMP					
202-02-06100	Removal of Concrete Walks and Drives	SQYD			925		925					
202-02-38200	Removal of Signs	EACH	5		4		9					
203-01-00100	General Excavation	CUYD	1,840		3,200		5,040					
203-03-00100	Embankment	CUYD	16,540		1,400		17,940					
203-04-00200	Nonplastic Embankment (Sand)	CUYD	16,369.07		1,577.3		17,946.37					
203-08-00100	Geotextile Fabric	SQYD	21,460		9,750		31,210					
203-08-00200	Geotextile Fabric (High Strength) (Type 1)	SQYD	75				75					
204-02-00100	Temporary Hay Bales	EACH	92		28		120					
204-05-00100	Temporary Sediment Check Dams (Hay)	EACH	34		2		36					
204-06-00100	Temporary Silt Fencing	LNFT	6,200		3,200		9,400					
302-01-00300	Class II Base Course (Crushed Stone)	CUYD	15				15					
302-02-06020	Class II Base Course (6" Thick) (Crushed Stone)	SQYD	95				95					
302-02-12060	Class II Base Course (12" Thick) (Crushed Stone, Recycled Portland Cement Concrete, Blended Calcium Sulfate)	SQYD	14,670		4,300		18,970					
401-01-00100	Aggregate Surface Course (Net Section)	CUYD			550		550					
402-01-00101	Traffic Maintenance Surfacing (Aggregate) (Vehicular Measurement)	CUYD	510		325		835					
502-01-00100	Asphalt Concrete	TON	5,386				5,386					
502-02-00100	Asphalt Concrete	CUYD			1,753		1,753					
509-01-00100	Milling Asphalt Pavement	SQYD			5,350		5,350					
1 701-03-01002	Storm Drain Pipe (15" RCP/RPVCP)	LNFT	159		716		875					
1 701-03-01022	Storm Drain Pipe (18" RCP/RPVCP)	LNFT			193		193					
1 701-03-01042	Storm Drain Pipe (24" RCP/RPVCP)	LNFT	405		599		1,004					
1 701-03-01062	Storm Drain Pipe (30" RCP/RPVCP)	LNFT	944				944					
701-03-01082	Storm Drain Pipe (36" RCP/RPVCP)	LNFT	980				980					
1 701-03-01092	Storm Drain Pipe (42" RCP/RPVCP) (RCP ONLY)	LNFT	800				800					
1 701-03-02062	Storm Drain Pipe (Outfall) (30" RPVCP or 36" CMP)	LNFT	135				135					
1 701-03-02102	Storm Drain Pipe (Outfall) (42" RPVCP or 48" CMP)	LNFT	185				185					
1 701-04-01000	Storm Drain Pipe Arch (15" Equiv. RCPA)	LNFT	50				50					
1 701-04-01060	Storm Drain Pipe Arch (30" Equiv. RCPA)	LNFT	21		389		410					
701-04-01080	Storm Drain Pipe Arch (36" Equiv. RCPA)	LNFT			81		81					
702-02-00200	Manholes (R-CB-11)	EACH			13		13					
1 702-03-00100	Catch Basins (CB-01)	EACH			7		7					
1 702-03-00200	Catch Basins (CB-02)	EACH			2		2					
702-03-00500	Catch Basins (CB-06)	EACH			3		3					
702-03-00700	Catch Basins (CB-08)	EACH			8		8					
702-03-01600	Catch Basins (CB-SD06)	EACH	4				4					
704-03-00200	Blocked Out Guard Rail - 31", (6'-3" Post Spacing)	LNFT	600				600					
704-07-00200	Guard Rail Transitions (Double Thrie Beam)	LNFT	100				100					
704-10-00205	Guard Rail End Treatment, MASH, (TL-3 Tangent)	EACH	4				4					
704-10-00310	Guard Rail End Treatment, NCHRP 350 - 31" (TL-3 Flared)	EACH	4				4					
706-02-00300	Concrete Drive (8" Thick)	SQYD			421		421					
706-03-00300	Incidental Concrete Paving (6" Thick)	SQYD	54				54					

Rev. 1 - 9/24/2025 - Added items & revised quantities

SHEET NUMBER 3c

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	826-11	H.007208.6

DATE 9/30/25 SHEET 1 OF 3

SUMMARY OF ESTIMATED QUANTITIES

DOTD ROAD DESIGN

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REVISION 1

SUMMARY OF ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	General Items - (000-26)		General Items - (826-11)		QUANTITY TOTAL					
707-03-00100	Combination Concrete Curb and Gutter	LNFT	7,500		1,625		9,125					
712-01-00400	Concrete Cast-in-Place Revetment (7" Thick)	SQYD	92				92					
713-01-00100	Temporary Signs and Barricades	LUMP	LUMP		LUMP		LUMP					
713-02-00100	Temporary Pavement Markings (4" Width)	LNFT			1,000		1,000					
713-02-00500	Temporary Pavement Markings (24" Width)	LNFT	36		24		60					
713-03-01000	Temporary Pavement Markings (Broken Line) (4" Width) (4' Length)	MILE			0.3		0.3					
713-03-02000	Temporary Pavement Markings (Broken Line) (4" Width) (10' Length)	MILE	0.31				0.31					
713-04-01000	Temporary Pavement Markings (Solid Line) (4" Width)	MILE	0.15				0.15					
714-01-00600	Slab Sodding (St. Augustine)	SQYD	345		40		385					
720-01-01000	Erosion Control System (Slope Protection) (Type A)	SQYD	1,890				1,890					
722-01-00100	Project Site Laboratory	EACH	1				1					
726-01-00100	Bedding Material	CUYD	3,192.9		1,201		4,393.9					
727-01-00100	Mobilization	LUMP	LUMP		LUMP		LUMP					
728-01-00300	Jacked or Bored Pipe (6")	LNFT	160				160					
729-01-00100	Sign (Type A)	SQFT			13		13					
729-16-00300	Object Marker Assembly (Type 3)	EACH	4				4					
731-02-00100	Reflectorized Raised Pavement Markers	EACH	320		37		357					
732-01-02080	Plastic Pavement Striping (24" Width) (Thermoplastic 125 mil)	LNFT	15		24		39					
732-02-02000	Plastic Pavement Striping (Solid Line) (4" Width) (Thermoplastic 90 mil)	MILE	1.244				1.244					
732-02-02000	Plastic Pavement Striping (Solid Line) (4" Width) (Thermoplastic 90 mil) Double yellow line	MILE	0.589		0.589		1.178					
732-02-02000	Plastic Pavement Striping (Solid Line) (4" Width) (Thermoplastic 90 mil) white	MILE			0.58		0.58					
732-02-02040	Plastic Pavement Striping (Solid Line) (8" Width) (Thermoplastic 90 mil)	MILE	0.008		0.068		0.076					
732-03-02000	Plastic Pavement Striping (Broken Line) (4" Width) (Thermoplastic 90 mil)	MILE	0.7				0.7					
732-04-01080	Plastic Pavement Legends and Symbols (Arrow - Left Turn)	EACH			1		1					
732-04-01100	Plastic Pavement Legends and Symbols (Arrow - Right Turn)	EACH			1		1					
732-04-01120	Plastic Pavement Legends and Symbols (Arrow - Merge)	EACH			2		2					
732-04-15020	Plastic Pavement Legends and Symbols (ONLY)	EACH	2		3		5					
736-10-00100	Underground Junction Box (Type D)	EACH	2				2					
739-01-00100	Hydro-Seeding	ACRE	7.5		0.8		8.3					
740-01-00100	Construction Layout	LUMP	LUMP		LUMP		LUMP					
804-01-00100	Precast Concrete Piles (12")	LNFT	1,960				1,960					
804-01-00300	Precast Concrete Piles (16")	LNFT	280				280					
804-01-00400	Precast Concrete Piles (18")	LNFT	980				980					
804-05-00400	Precast Concrete Test Piles (18")	EACH	1				1					
804-09-00400	Static Load Test (Precast Concrete Piles (18"))	EACH	1				1					
804-14-00100	Dynamic Monitoring Assistance	EACH	5				5					
804-18-00100	Vibration Monitoring	DAY	8				8					
805-01-00200	Class A1 Concrete (Deck)	CUYD	73				73					

Rev. 1 - 9/24/2025 - Added items & revised quantities

SHEET NUMBER 3d

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	826-11	H.007208.6

DATE 9/30/25
SHEET 2 OF 3

SUMMARY OF ESTIMATED QUANTITIES

DOTD ROAD DESIGN

9/30/2025 12:55 42 PM

REVISION 1

SUMMARY OF ESTIMATED QUANTITIES

	ITEM	DESCRIPTION	UNIT	General Items - (000-26)		General Items - (826-11)		QUANTITY TOTAL					
1	805-01-00300	Class A1 Concrete (Bent Cap)	CUYD	80.28				80.28					
2	805-01-01000	Class A1 Concrete (Headwalls) HW-01	CUYD	6.97				6.97					
	805-18-00100	Concrete Finish (Class 2 Rubbed Finish)	SQFT	2,416.28				2,416.28					
	805-18-00200	Concrete Finish (Class 3 Special Finish)	SQFT	3,249.56				3,249.56					
	806-01-00100	Deformed Reinforcing Steel	LB	30,899.11				30,899.11					
	807-01-00800	Structural Metalwork ASTM A36 Steel	LUMP	LUMP				LUMP					
	810-01-00100	Concrete Bridge Railing (Standard)	LNFT	207				207					
	810-01-00200	Concrete Bridge Railing (Slotted)	LNFT	134.83				134.83					
3	813-01-00100	Concrete Approach Slabs (Cast-in-Place)	SQFT	290				290					
	814-01-00100	Elastomeric Bearing Pads (Non-Reinforced) Non-Reinforced	SFIN	449				449					
	815-02-00500	Sealed Expansion Joint Strip Seal Joint	LNFT	70				70					
	NS-203-00006	Exploratory Excavation	CUYD	30		30		60					
	NS-300-00060	Geogrid	SQYD	15,600		4,300		19,900					
	NS-500-00340	Saw Cutting Asphalt Concrete Pavement	INLF			16,976.5		16,976.5					
	NS-600-00220	Saw Cutting Portland Cement Concrete Pavement	INLF			1,292.8		1,292.8					
4	TS-702-00106	Catch Basin (CB-01)	EACH	8				8					
5	TS-702-00111	Catch Basin (CB-02)	EACH	4				4					
	TS-702-00112	Catch Basin (CB-06)	EACH	14				14					
	TS-702-00113	Catch Basin (CB-08)	EACH	8				8					
	TS-805-00913	Precast-Prestressed Concrete Girder 45' Exterior Girders 42" Width	LNFT	270				270					
	TS-805-00913	Precast-Prestressed Concrete Girder 45' Interior Girders 50" Width	LNFT	945				945					
	TS-822-02060	Helical Pile for Street Light Foundation (12 3/4" x 13 ft - 6 inches with 16" Helix)	EACH	17				17					
	TS-822-03002	LED Luminaire - Roadway Lighting	EACH	18				18					
	TS-822-09110	Conduit w Conductors (PVC/HDPE) 2" (2#2,1#2, 1#8G)	LNFT	50				50					
	TS-822-09110	Conduit w Conductors (PVC/HDPE) 2" (2#4, 1#4G)	LNFT	3,822				3,822					
	TS-822-09110	Conduit w Conductors (PVC/HDPE) 2" (3#2)	LNFT	80				80					
	TS-822-09110	Conduit w Conductors (PVC/HDPE) 2" (4#4, 1#4G)	LNFT	200				200					
	TS-822-09110	Conduit w Conductors (PVC/HDPE) 3/4" (1#2G)	LNFT	20				20					
	TS-822-09132	Light Pole (Alum) (Single Arm) (35' Tall with12' Truss Arm)	EACH	18				18					
	TS-822-09161	Electrical Service Point and Roadway Lighting Controls control	EACH	1				1					

Rev. 1 - 9/24/2025 - Added items & revised quantities

SHEET NUMBER 3e

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	826-11	H.007208.6
		DATE 9/30/25 SHEET 3 OF 3

SUMMARY OF ESTIMATED QUANTITIES

DOTD ROAD DESIGN

LEGEND – EXISTING TOPOGRAPHY

CONTROL POINT
PHOTO TARGET
PAVEMENT EDGE
SHOULDER EDGE
SLOPE TOE
GUARDRAIL TOP
HIGH BANK
WATER'S EDGE
HIGH WATER MARK
BOX CULVERT
PIPE CULVERT
CATCH BASIN TOP (ROUND)
DROP INLET TOP (ROUND)
DRAINAGE MANHOLE TOP
LEVEE TOP
DITCH CENTERLINE
TREE
WOODS EDGE
MARSH LINE
SWAMP LINE
TREE CLUSTER
HEDGE
BUSH
TREE LINE
FENCE LINE
GATE
CATTLE GUARD
PROPERTY CORNER
RIGHT OF WAY MONUMENT
SECTION CORNER
FENCE CORNER
TELEVISION CABLE
TELEVISION PEDESTAL
POWER POLE
DEADMAN
POWER LINE
POWER JUNCTION BOX
POWER VAULT
TRANSFORMER
COMBINATION POLE
POWER DROP
PIPELINE
PIPELINE VENT
PIPELINE REGULATOR
GAS WELL
OIL WELL

GAS LINE
GAS METER
GAS SERVICE (NO METER)
GAS REGULATOR
GAS RISER
GAS TEST BOX
GAS VALVE
GAS LINE/CASING
GAS VENT
RAILROAD MILEPOST
RAILROAD SIGNAL
RAILROAD SWITCH
RAILROAD TRACK
RR TRAFFIC SIGNAL BOX
SEWER LINE
SEWER MANHOLE TOP
SEWER BLOWOUT VALVE
SEWER CLEANOUT
SEPTIC TANK
SEWER PUMP (PRIVATE)
SEWER TREATMENT (INDIVIDUAL)
FEDERAL AID MARKER
TRAFFIC CONTROLLER BOX
TRAFFIC COUNTER
TRAFFIC SIGNAL
TRAFFIC SIGNAL SUPPORT POLE
LIGHT POLE
LIGHT PEDESTAL
LIGHT POWER VAULT
TRAFFIC SIGN
PARKING METER
TELEPHONE POLE
TELEPHONE LINE
TELEPHONE BOOTH
TELE CROSS CONNECT BOX
TELEPHONE PEDESTAL
TELEPHONE PRESSURE BOX
WATER LINE
WATER LINE/CASING
WATER CLEANOUT
WATER METER
WATER VALVE
WATER VALVE VAULT
WATER WELL
FIRE HYDRANT
BILLBOARD
FUEL PUMP
POST
SIGN POST
STORAGE TANK (ROUND)
GRAVE
MAILBOX
ORNAMENTAL LIGHT
FLAG POLE

LEGEND – NEW TOPOGRAPHY

STREET LIGHT
LIMITS OF ROADWAY TO BE REMOVED
ASPHALT CONCRETE PAVEMENT
CONCRETE (PCCP)
ROAD TO REMAIN
CATCH BASIN

DRAIN MANHOLE (D)
EXISTING ROW
REQUIRED ROW
LIMITS OF CONSTRUCTION

ALL EXISTING DRAINAGE STRUCTURES ARE TO BE REMOVED, UNLESS OTHERWISE INDICATED. (PAID UNDER REMOVAL OF STRUCTURES AND OBSTRUCTIONS). APPROXIMATE QUANTITIES OF EXISTING DRAINAGE STRUCTURES TO BE REMOVED IS AS FOLLOWS:

	HARVEY BLVD.	PETERS ROAD
15"ø DRAIN	275 FT.	–
18"ø DRAIN	370 FT.	–
24"ø DRAIN	220 FT.	350 FT.
30"ø DRAIN	60 FT.	–
36"ø DRAIN	40 FT.	–
48"ø DRAIN	60 FT.	–
42" ARCH DRAIN	270 FT.	–
54" ARCH DRAIN	615 FT.	–
DROP INLETS	20	–

REFERENCE BENCHMARK: U 368 ELEVATION –0.28 (NAVD 88)
20.15 (CAIRO DATUM)

NOTE: ALL ELEVATIONS REFER TO CARIO DATUM (BASED ON NAVD 88)
SUBTRACT 20.43 FOR NAVD 88 ELEVATIONS

I HAVE CONSULTED THE F.I.A. FLOOD HAZARD BOUNDARY MAP NO. 225199 0145 E, DATED 3-23-95 AND FOUND THIS PROPERTY IS IN A F.I.A. ZONE AE

BEARINGS REFER TO LA. GRID SOUTH ZONE
BASED ON GPS OBSERVATIONS
SCALE: PLAN & PROFILE: 1"=20' HORIZ.
1"=2' VERT.

NOTE

The locations of underground and other nonvisible utilities shown hereon have been determined from data and/or extracted from records made available to us by agencies controlling such records. Where found, the surface features of locations are shown. The ACTUAL nonvisible locations may vary from those shown hereon. Each agency should be contacted relative to the precise location of its underground installation prior to any reliance upon the accuracy of such locations shown hereon, including to excavation and digging.

Louisiana One Call. before you dig. 1-800-272-3020

GRAPHIC SCALE

20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

Jefferson Parish Engineering Department, Utilities
Yenni Bldg.
1221 Elmwood Park, Suite 702
Harahan, LA 70123
Mr. Roy Mullen
731-4567

Atmos Energy Louisiana
2550 Belle Chasse Hwy, Suite 120
Gretna, LA 70053
Mr. Brain Blum
362-5258

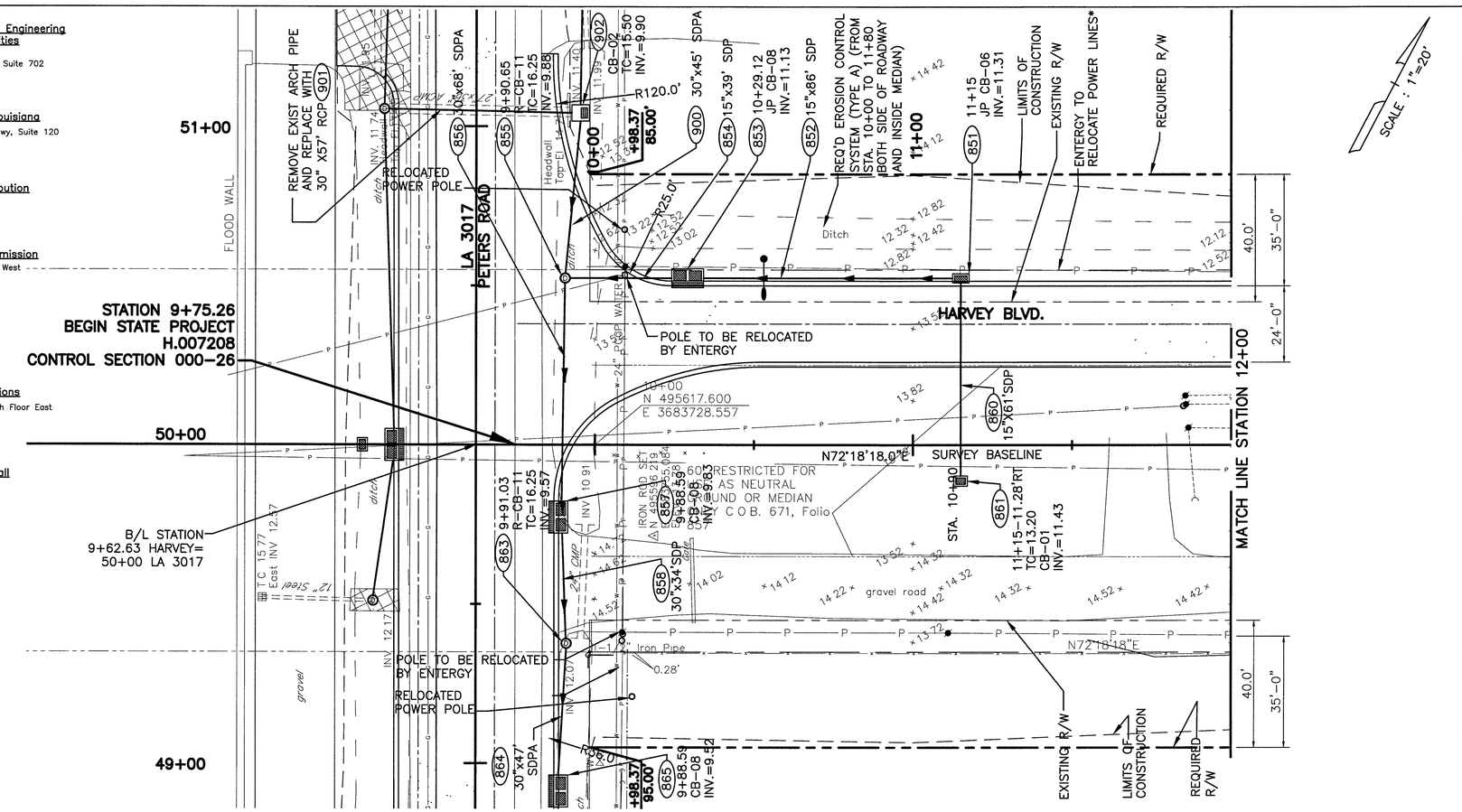
Entergy – Distribution
1001 Virgil Street
Gretna, LA 70053
Mr. Sidney Johnson
985-351-4878

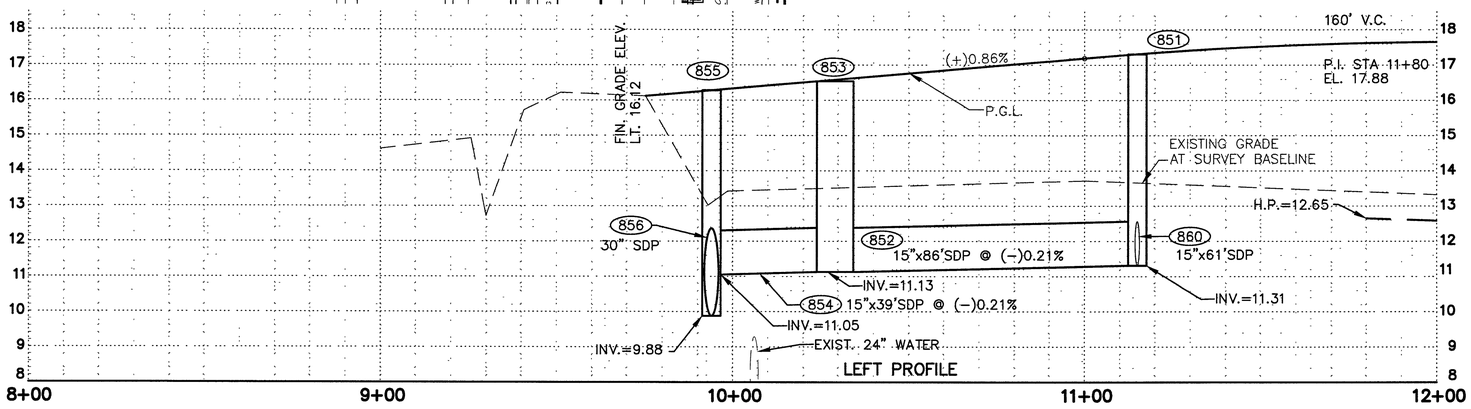
Entergy – Transmission
1000 Harimaw Court West
Metairie, LA 70001
Mr Jimmy Sholar
390-9414

AT&T
1010 Hancock Street
Gretna, LA 70053
Mr. Lloyd Massey
364-6801

Cox Communications
2121 Airline Drive, 5th Floor East
Metairie, LA 70001
Ms. Mitzi Mancuso
358-6091
304-8144 (Fax No.)

Louisiana One Call
1-800-272-3020





NOTES:

1. FOR GEOMETRIC DETAILS, SEE SHEETS 45.

* POWER LINES & POLES SHALL BE RELOCATED TO APPROX. 15 FT. FROM BACK OF CURB

** POWER POLES SHALL BE RELOCATED TO PROVIDE. 6 FT. CLEARANCE FROM BACK OF MEDIAN CURB

JEFFERSON PARISH DEPARTMENTS:

SEWER:
JEFFERSON PARISH DEPARTMENT OF SEWERAGE
1221 ELMWOOD PARK BLVD., STE. 803
JEFFERSON, LA 70123
HUBERT FRANKLIN, DIRECTOR.
(504) 736-6771 (OFFICE)
HUBERT.FRANKLIN@JEFFPARISH.GOV

DRAINAGE:
JEFFERSON PARISH DEPARTMENT DRAINAGE
1221 ELMWOOD PARK BLVD., STE. 907
JEFFERSON, LA 70123
BEN LEPINE, DIRECTOR.
(504) 736-6751 (OFFICE)
BEN.LEPINE@JEFFPARISH.GOV

TRAFFIC:
JEFFERSON PARISH TRAFFIC DIVISION
2100 DICKORY AVENUE
JEFFERSON, LA 70123
SUSAN TREADWAY, DIVISION SUPERVISOR.
(504) 736-6530 (OFFICE)
SUSAN.TREADWAY@JEFFPARISH.GOV

WATER:
JEFFERSON PARISH DEPARTMENT OF WATER
1221 ELMWOOD PARK BLVD., STE. 909
JEFFERSON, LA 70123
SIDNEY BAZLEY, DIRECTOR
(504) 736-6060 (OFFICE)
SIDNEY.BAZLEY@JEFFPARISH.GOV

STREETS:
JEFFERSON PARISH DEPARTMENT OF STREETS
1901 AMES BLVD.
MARRERO, LA 70072
BROOK BURMASTER, DIRECTOR
(504) 349-5828 (OFFICE)
BROOK.BURMASTER@JEFFPARISH.GOV

STATE OF LOUISIANA
10/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

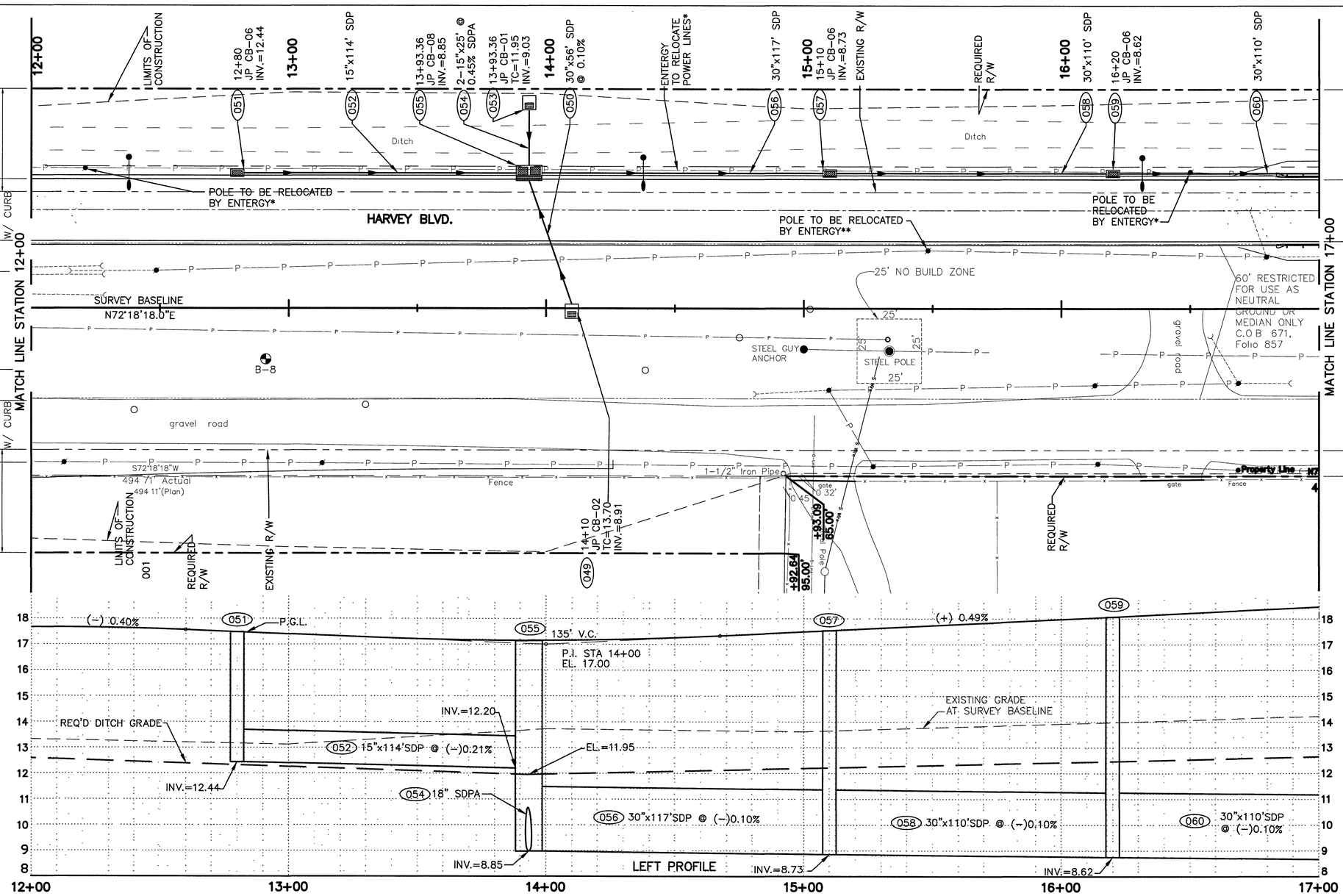
SHEET NUMBER	4
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO	DATE	REVISION DESCRIPTION	BY

PLAN AND PROFILE
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)
DOTD
PERRIN & CARTER, INC.

Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2025\Sheet 04.dwg 07.23.2025 09:25:57
07/23/2025 09:25

07/23/2025 13:49
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NOTES:

2. FOR GEOMETRIC DETAILS, SEE SHEETS 45.

* POWER LINES & POLES SHALL BE RELOCATED TO APPROX. 15 FT. FROM BACK OF CURB

** POWER POLES SHALL BE RELOCATED TO PROVIDE 6 FT. CLEARANCE FROM BACK OF MEDIAN CURB. WHERE POLES ARE LOCATED IN FRONT OF NEW GUARDRAIL, THEY SHALL BE PLACED BEHIND IT.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SHEET NUMBER	5
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25 / BY

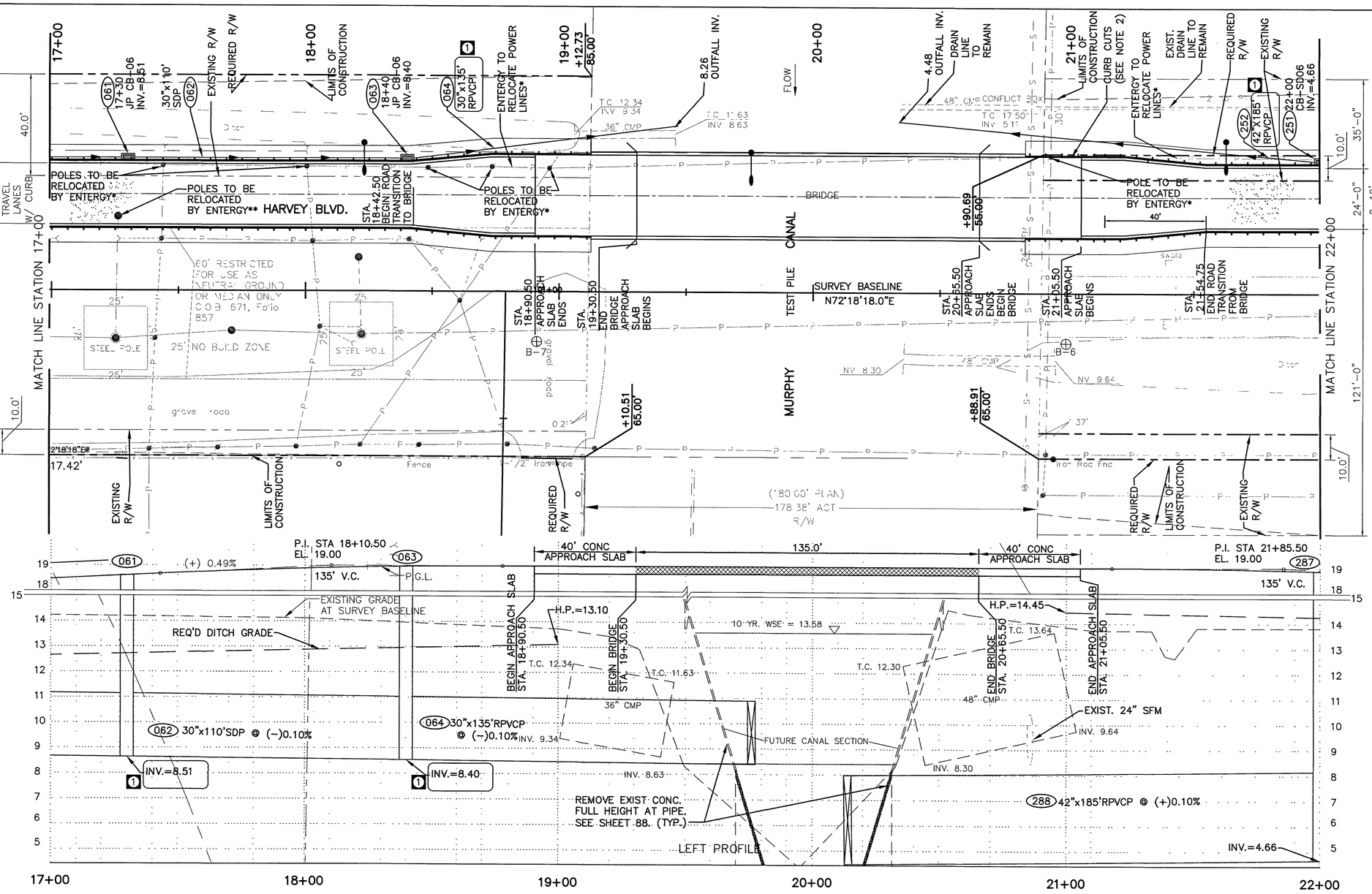
REVISION DESCRIPTION | NO. | DATE

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.



SEE SHEET 88 FOR DETAILS OF CONCRETE SLOPE PAVING REMOVAL AND REPLACEMENT FOR DRAIN LINES.

* POWER LINES & POLES SHALL BE RELOCATED TO APPROX. 15 FT. FROM BACK OF CURB

** POWER POLES SHALL BE RELOCATED TO PROVIDE. 6 FT. CLEARANCE FROM BACK OF MEDIAN CURB

STATE OF LOUISIANA — 09/11/2025 — DANIEL F. BOBECK — License No. 0036640 — PROFESSIONAL ENGINEER — CIVIL ENGINEERING

SHEET NUMBER	6
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY
1	09/10/25	REVISED OUTFALL PIPE TYPE AND INVERTS OF PROFILE	MAC

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC

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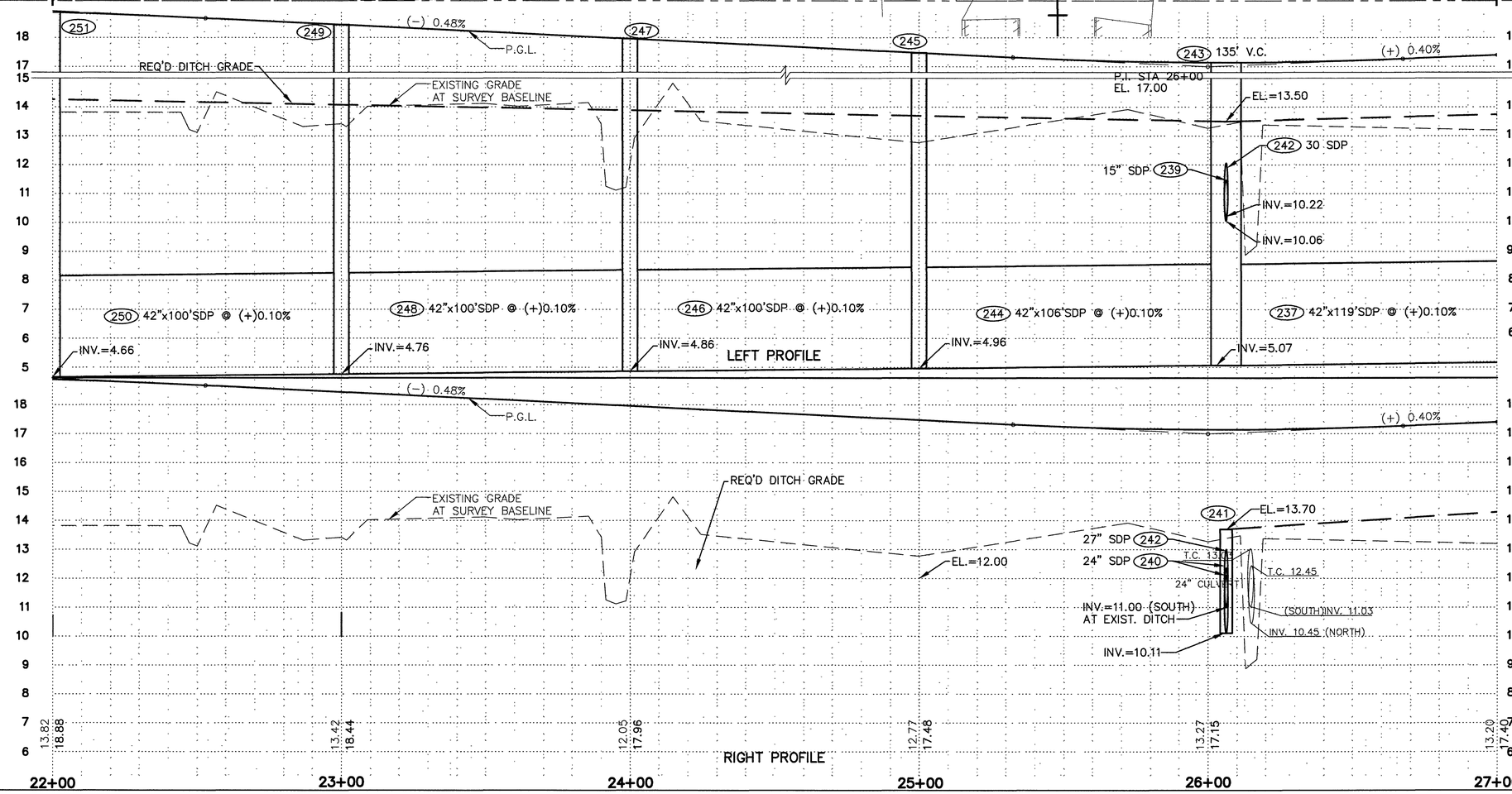
EXISTING R/W
251 22+00 CB-SD06 INV.=4.66
250 42"x100' SDP
T.C. 18.00 INV. 5.29
CATCH BASIN TO REMAIN
23+00
249 23+00 CB-SD06 INV.=4.76
248 42"x100' SDP
REQUIRED R/W
EXIST. DRAIN LINES TO REMAIN
LIMITS OF CONSTRUCTION
24+00
2-36" PVC
247 24+00 CB-SD06 INV.=4.86
246 42"x100' SDP
245 25+00 CB-SD06 INV.=4.96
25+00
244 42"x106' SDP
240 24"x67' SDP @ 1.33%
241 26+06.31 JP CB-01 TC=13.70 INV.=10.11
242 30"x52' SDP @ 0.10%
243 26+06.31 JP CB-08 INV.=5.07
239 15"x15' SDP @ 26+00
238 26+06.31 JP CB-01 TC=13.50 INV.=10.25
237 42"x119' SDP
T.C. 17.50 INV. 5.69
CATCH BASIN TO REMAIN

35'-0" / 24'-0" / 121'-0"
2-12' TRAVEL LANES W/ CURB
MATCH LINE STATION 22+00
MATCH LINE STATION 27+00
10'-0"

ENTERGY TO RELOCATE POWER LINES*
POLE TO BE RELOCATED BY ENTERGY*
25' NO BUILD ZONE
STA. 24+08.50 END MOUNTABLE CURB
HARVEY BLVD.
24' RESTRICTED FOR USE AS NEUTRAL GROUND OR MEDIAN ONLY
5' CURB TRANSITION
SURVEY BASELINE
N72°18'18.0"E
25' 25' 25' 25'
Ditch
TBM BOX CUT ON CONCRETE FOUNDATION ELEV. 17.19
MUCK EXCAVATE 2'-0" MIN. OF EXIST. DITCH BOTTOM & BACKFILL EXIST DITCH WITH COMPACTED FILL PER SPECS. (TYP.)
N17°41'42"W
B/L STATION 25+47.93 HARVEY = 0+00 UNNAMED ST.
REMOVE EXIST. 24"ø PIPE & MUCK EXCAVATE 2'-0" MIN. OF DITCH. BACKFILL REMOVED PIPE & EXIST DITCH WITH COMPACTED FILL PER SPECS. (TYP.)
INV. 10.45
24" CULVERT
24" SDP Limestone Road
INV. 11.00'
INV. 11.03
LIMITS OF CONSTRUCTION
EXISTING R/W
REQUIRED R/W
UNNAMED STREET

SCALE : 1"=20'

* POWER LINES & POLES SHALL BE RELOCATED TO APPROX. 15 FT. FROM BACK OF CURB



SHEET NUMBER	7
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / MAB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

NO | DATE | BY | REVISION DESCRIPTION

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

DOTD
PERRIN & CARTER, INC.

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

MATCH LINE STATION 27+00

MATCH LINE STATION 32+00

HARVEY BLVD.

24' RESTRICTED FOR USE AS NEUTRAL GROUND OR MEDIAN ONLY

25' NO BUILD ZONE

SURVEY BASELINE
N72°18'18.0"E

TBM: BOX CUT ON CONCRETE FOUNDATION ELEV 17.59

B-5

Limestone Road

Ditch

EXISTING R/W

REQUIRED R/W

LIMITS OF CONSTRUCTION

24" CULVERT INV. 10.77 / INV. 10.57

24" SDP INV. 11.2

EXIST. DRAIN LINES TO REMAIN

CATCH BASIN TO REMAIN

T.C. 16.70 INV. 6.06

2-36" PVC

35'-0"

24'-0" 2-12' TRAVEL LANES W/ CURB

10'-0"

121'-0"

SCALE: 1"=20'

LEFT PROFILE

135' V.C.

P.G.L.

P.I. STA 28+00
EL. 17.80

P.I. STA 30+00
EL. 17.00

P.I. STA 32+00
EL. 17.80
135' V.C.

(+) 0.40%

(-) 0.40%

(+) 0.40%

REQ'D DITCH GRADE

H.P.=14.00

EXISTING GRADE AT SURVEY BASELINE

EL.=13.00

236 27+25 JP CB-06 INV.=5.19

235 42"x150'SDP @ (+)0.10%

INV.=5.19

234 28+75 JP CB-06 INV.=5.34

233 42"x125'SDP @ (+)0.10%

INV.=5.34

231 24"x58' SDP @ 0.10%

231 24" SDP

INV.=10.19

228 15"x10' SDP @ 0.21%

228 15" SDP

INV.=9.73

227 30+00 JP CB-01 TC=13.00 INV.=9.75

232 30+00 JP CB-08 INV.=5.47

INV.=5.47

226 36"x125'SDP @ (+)0.10%

225 31+25 JP CB-06 INV.=5.60

INV.=5.60

224 36"x160'SDP @ (+)0.10%

RIGHT PROFILE

REQ'D DITCH GRADE

H.P.=14.92

EL.=14.31

T.C. 12.77

T.C. 12.57

24" CULVERT

INV. 10.77

INV. 10.57

230

EL.=13.70

27" SDP 231

INV.=11.20 (SOUTH) AT EXIST. DITCH

INV.=10.25

229 24" SDP

REQ'D DITCH GRADE

H.P.=16.10

EL.=14.90

13.20 17.40

12.91 17.66

13.96 17.40

14.21 17.14

14.51 17.40

14.27 17.66

27+00 28+00 29+00 30+00 31+00 32+00

HARVEY BLVD.

SHEET NUMBER	8
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED MAC CHECKED DFB	
DETAILED MAC CHECKED DFB	
DATE SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

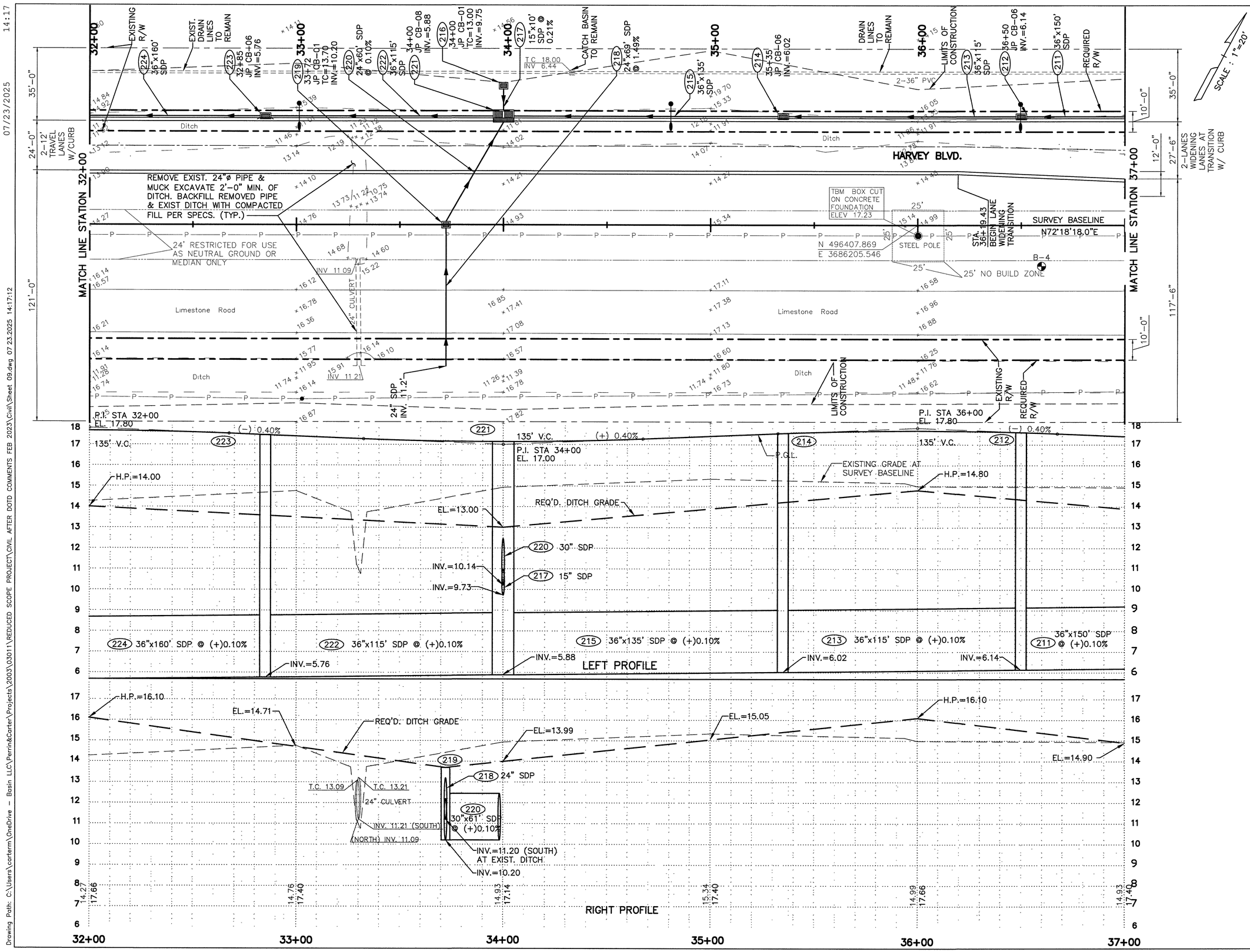
PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

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SHEET NUMBER	9
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

HARVEY BLVD.

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09/10/2025 13:38

MATCH LINE STATION 37+00

117'-6"

35'-0"

27'-6"

2-LANES WIDENING LANES AT TRANSITION W/ CURB

24" RESTRICTED FOR USE AS NEUTRAL GROUND OR MEDIAN

Limestone Road

EXIST. DRAIN LINES TO REMAIN

211 36"x150' SDP

206 15"x10' SDP @ 0.21%

205 38+00 JP CB-01 TC=13.00 INV.=9.75

210 38+00 JP CB-08 INV.=6.29

STA. 38+30.16 END LEFT TURN LANE TAPER

CATCH BASIN TO REMAIN

209 30"x61' SDP @ 0.10%

208 38+00 JP CB-01 TC=13.70 INV.=10.09

207 24"x62' SDP @ 3.12%

204 36"x180' SDP

LIMITS OF CONSTRUCTION

DRAIN LINES TO REMAIN

200 30"x27' SDP

203 39+80 JP CB-02 TC=14.22 INV.=6.46

199 39+80 JP CB-06 TC=17.14 INV.=6.49

202 30"x21' SDPA @ 0.20% 10.83 INV. @ HW

201 40+00 HW-01 INV.=11.35± MATCH EXIST. DITCH

EXISTING R/W

REALIGN EXISTING DITCH WITH NEW HEADWALL & NEW PIPE

198 30"x137' SDP

196 24"x27' SDP

197 41+15 JP CB-08 INV.=6.63

195 41+15 JP CB-08 INV.=6.66

194 30"x71' SDP

191 30"x36' SDP

+92.23 55.00'

193 41+91.2 JP CB-06 INV.=6.70

REQUIRED R/W

SCALE : 1"=20'

STA. 39+62.45 END CURVE

MUCK EXCAVATE 2'-0" MIN. OF EXIST. DITCH BOTTOM & BACKFILL EXIST DITCH WITH COMPACTED FILL PER SPECS. (TYP.)

STA. 40+61.67 START CURVE

SURVEY BASELINE N72°18'18.0"E

STA. 38+29.38 END LANE WIDENING TRANSITION

STA. 39+51.12 END CURVE

HARVEY BLVD.

10' CURB TRANSITION

END - LINE STATION 42+00

END HARVEY BLVD. CONSTRUCTION

10'-0"

119'-6"±

10'-0"

23'-0"± ALIGN WITH EXIST. ROADWAY

37'-6"±

STA. 40+28.02 START CURVE

250'

STA. 41+90 BEGIN CURB TRANSITION TO DEPRESSED CURB WITH ROUNDED END

REMOVE EXISTNG CATCH BASIN AND REPLACE WITH CB02.

190 STA 41+90.6

1 CB-02 TC =15.2 INV.=6.74

24" SDP INV. 12.0'

EL. 17.80 P.I. STA 40+00

LIMITS OF CONSTRUCTION

REQUIRED R/W

EXISTING R/W

(-) 0.40%

(+) 0.40%

(-) 1.08%

210 135' V.C.

P.I. STA 38+00 EL. 17.00

199 180' V.C.

P.G.L.

197

193

REQ'D DITCH GRADE

H.P.=14.20

203

201

EXISTING GRADE AT SURVEY BASELINE

202

30"x21' SDPA @ (+)0.20%

EXISTING GRADE AT EXISTING DITCH

EL.=13.00

206 15" SDP

INV.=9.73

30"x36' SDP 191

24"x 27 SDP 196

INV.=6.46

INV.=6.66

211 36"x150' SDP @ (+)0.10%

204 36"x180' SDP @ (+)0.10%

198 30"x137' SDP @ (+)0.10%

194 30"x71' SDP @ (+)0.10%

INV.=6.29

LEFT PROFILE

EL. 14.90

EL.=14.90

REQ'D DITCH GRADE

EL.=14.80

EL.=13.70

206

208 30" SDP

207 24" SDP

INV.=12.00 (SOUTH) AT EXIST. DITCH

INV.=10.09

14.93 17.40

14.49 17.14

14.21 17.40

14.15 17.66

13.81 17.40

14.88 17.14

37+00

38+00

39+00

RIGHT PROFILE

40+00

41+00

42+00

HARVEY BLVD.

NOTES:

1. ~ INDICATES AREA OF EXISTING LIMESTONE ROADWAY THAT SHALL BE REMOVED AS A PART OF EXCAVATION.
2. FOR GEOMETRIC DETAILS, SEE SHEETS 45.

STATE OF LOUISIANA 09/11/2025 DANIEL F. BOBECK LICENSE No. 00386-40 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SHEET NUMBER	10
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

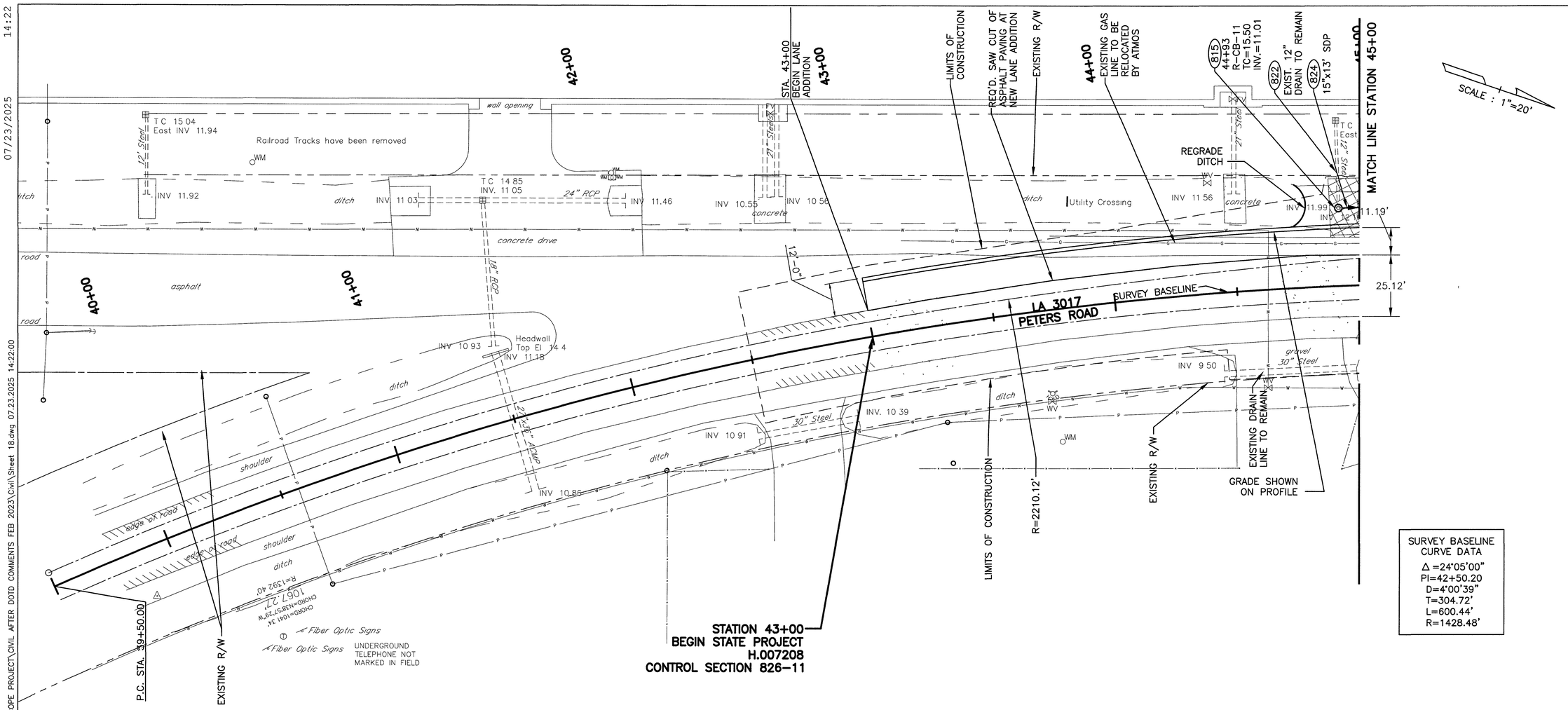
NO.	DATE	REVISION DESCRIPTION	BY
0	09/10/25	REVISED DRAINAGE STRUCTURE CALL OUT	MAC

PLAN AND PROFILE

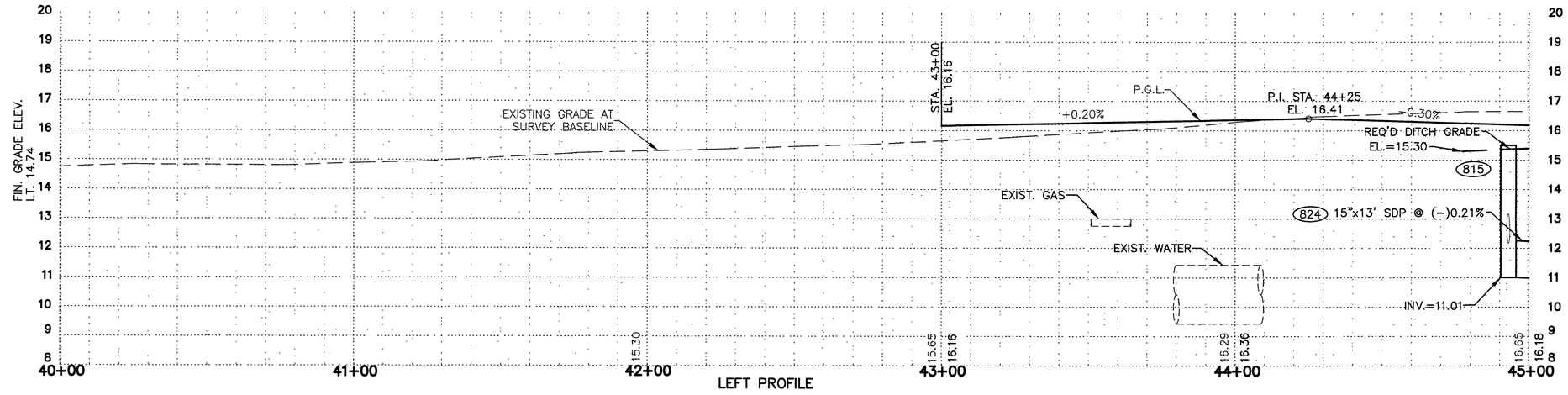
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC

07/23/2025 14:22
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SURVEY BASELINE CURVE DATA
Δ =24°05'00"
PI=42+50.20
D=4°00'39"
T=304.72'
L=600.44'
R=1428.48'



STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
LA 3017

SHEET NUMBER	18
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

NO.	DATE	BY	REVISION DESCRIPTION

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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07/23/2025 14:30

MATCH LINE STATION 45+00

45+00 (817) 45+06 R-CB-11 TC=15.00 INV.=9.79 (TIE IN ARCH PIPE CROSSING) REQ'D SAW CUT CONCRETE (820) 24"x109' SDP (813) 46+15 R-CB-11 TC=15.00 INV.=9.91 (818) EXISTING 21" DRAIN TO REMAIN 46+00 (816) 24"x56' SDP (811) 46+71 CB-08 INV.=9.97 (814) 15"x10' SDP @ 0.21% (809) 46+71 CB-01 TC=14.50 INV.=10.27 (812) 24"x63' SDP (807) 47+34 R-CB-11 TC=15.20 INV.=10.04 47+00 (810) EXISTING 21" DRAIN TO REMAIN (808) 24"x37' SDP (805) 47+71 R-CB-11 TC=15.50 INV.=10.08 (806) 24"x5' SDP (804) EXISTING 21" DRAINS TO REMAIN REQ'D SAW CUT CONCRETE 48+00 (803) 47+76 R-CB-11 TC=15.50 INV.=10.09 (802) 15"x74' SDP (801) 48+50 CB-08 INV.=10.25 LIMITS OF CONSTRUCTION EXISTING R/W (751) 49+51 R-CB-11 TC=15.00 INV.=10.50 49+00 (750) EXISTING 12" DRAIN TO REMAIN (752) 15"x49' SDP (755) 50+00 CB-08 INV.=10.40 (754) 15"x10' SDP @ 0.21% (753) 50+00 CB-01 TC=14.50 INV.=11.15 50+00

MATCH LINE STATION 50+00

FLOOD WALL
PT STA. 45+50.44
37.92
+13.50
+51.42
R=12'
45.8'
+87.17
+32.97
R=12'
Railroad Tracks have been removed
EXISTING GAS LINE TO BE RELOCATED BY ATMOS
gravel
ditch
shoulder
edge of road
concrete drive
24" CMP
12" Steel
21" Steel
INV. 11.25
INV. 11.37
INV. 11.12
INV. 11.83
INV. 11.84
INV. 11.74
INV. 12.17
INV. 10.61
INV. 9.47
INV. 11.89
INV. 11.51
INV. 12.07
INV. 12.91
11.19'
12.01'
25.12'
24.52'
REMOVE CONC. DRIVE
REQ'D COMMERCIAL
CONC. DRIVE (8" THICK)
LA 3017
PETERS ROAD
SURVEY BASELINE
N17°39'07.7"W
GRADE SHOWN ON PROFILE
RELOCATED POWER POLE
+98.84
95.00'
+98.97
80.00'
(863) 49+37.62 R-CB-11 TC=16.25 INV.=9.57
(857) 50+00 CB-08 INV.=9.83
EXISTING DRAIN LINES TO REMAIN
R=2210.12'
STA. 46+00.62 BEGIN RT. TURN LANE TAPER
13.23' RT
Utility Crossing
unknown manhole
(872) 36"x81' SDPA
(871) 46+97 CB-02 TC=12.50 INV.=9.30
(870) 30"x143' SDPA
LIMITS OF CONSTRUCTION
EXISTING R/W
EXISTING WATER LINE TO REMAIN
STA. 47+60.51 END RIGHT TURN LANE TAPER
26.35' RT
S77°41'42"E
267.54'
R=9.0'
REMOVE CONC. DRIVE REQ'D COMMERCIAL CONC. DRIVE (8" THICK)
+0.8
21.6'
+22.4
(869) 48+40 CB-06 INV.=9.47
(868) 18"x10' SDP @ 0.21%
(867) 48+45 CB-01 TC=12.00 INV.=9.49
(866) 30"x52' SDPA
(865) 48+91.33 CB-08 INV.=9.52
(864) 30"x47' SDPA
(858) 30"x34' SDPA
REQUIRED DRAINAGE SERVITUDE/ TEMPORARY CONSTRUCTION SERVITUDE
REQUIRED R/W
EXISTING R/W
POLE TO BE RELOCATED BY ENTERGY
IRON ROD SET N 495596.21 E 3683755.02 ELEV 13.78 60' RESTRICTED FOR USE AS NEUTRAL GROUND OR MEDIAN ONLY C.O.B. 671, Folio 857

SCALE : 1"=20'

NOTE:

SAW CUT ASPHALT PAVING AT NEW LANE ADDITION

SAW CUT ALL CONCRETE PAVING AT DRIVEWAYS

LEFT PROFILE

H.P.=15.45 (-) 0.3% EL.=15.67 (811) P.I. STA. 46+99.61 EL. 15.76 (+) 0.3% (-) 0.3% H.P.=15.50 EL.=15.34 EXISTING GRADE AT SURVEY BASELINE (+) 0.36% P.G.L. P.I. STA. 49+71.28 EL. 15.74 (-) 0.3% EL.=15.65

(817) EXIST. SDPA (813) REQ'D DITCH GRADE H.P.=14.50 (807) (805) (803) (801) (751) (755)

(818) EXIST. 21" SDP (810) EXIST. 21" SDP (804) EXIST. 21" SDP (806) 24"x5' SDP @ (+)0.11% (750) EXIST. 15" SDP EL.=14.50

INV.=10.98 (814) 15" SDP EXIST. GAS (754) 15" SDP

(820) 24"x109' SDP @ (+)0.11% (816) 24"x56' SDP @ (+)0.11% (812) 24"x63' SDP @ (+)0.11% (808) 24"x37' SDP @ (+)0.11% (802) 15"x74' SDP @ (+)0.21% (752) 15"x49' SDP @ (-)0.21%

INV.=9.79 INV.=9.91 INV.=9.97 INV.=10.25 INV.=10.04 INV.=10.08 INV.=10.09 INV.=10.25 INV.=10.50 INV.=10.40

16.65 16.18 16.49 15.88 16.22 15.76 16.09 15.46 16.13 15.53 16.27 15.65

RIGHT PROFILE

EXISTING GRADE AT SURVEY BASELINE P.I. STA. 49+37.62 EL. 16.25 EL.=15.65

EL.=15.34 EL.=15.04 P.G.L. (-) 0.38% (869) (+) 1.24% (863) (-) 0.95%

EXIST. DRAIN LINE (865) (857)

EXIST. SDPA (862) 15" SDP

(871) INV.=10.25

(872) 36"x81' SDPA @ (+)0.10% (870) 30"x143' SDPA @ (+)0.10% (866) 30"x52' SDPA @ (+)0.10% (864) 30"x47' SDPA @ (+)0.10% (858) 30"x34' SDPA @ (+)0.10%

EXIST. WATER

INV.=9.25 INV.=9.33 INV.=9.47 INV.=9.52 INV.=9.57 INV.=9.77 INV.=9.83

16.65 16.49 16.22 16.09 15.19 16.13 15.78 16.27 15.66

45+00 46+00 47+00 48+00 49+00 50+00

STATE OF LOUISIANA DANIEL F. BOBECK License No. 0038640 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING 07/18/2025

LA 3017

SHEET NUMBER	19
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

REVISION DESCRIPTION | BY | DATE | NO

PLAN AND PROFILE

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

Drawing Path C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 20.dwg 09 10 2025 13:24:58 09/10/2025 13:24

MATCH LINE STATION 50+00

B/L STATION 50+00 LA 3017= 9+62.63 HARVEY

753 50+00 CB-01 TC=14.50 INV.=11.15
754 15"x10' SDP @ 0.21%
755 50+00 CB-08 INV.=10.40
756 18"x105' SDP
757 51+05 R-CB-11 TC=15.50 INV.=9.90 (TIE IN ARCH PIPE CROSSING)
REMOVE CONC. DRIVE 51+00
REQ'D COMMERCIAL CONC. DRIVE (6" THK.)
REQ'D. SAW CUT OF CONCRETE PAVING
REQ'D. SAW CUT OF CONCRETE PAVING
EXISTING GAS LINE TO BE RELOCATED BY ATMOS
726 24"x95' SDP
724 15"x10' SDP @ 0.21%
52+00
719 52+00 CB-01 TC=14.50 INV.=11.15
721 52+00 CB-06 INV.=9.95
EXISTING R/W
LIMITS OF CONSTRUCTION
722 24"x100' SDP
717 53+00 CB-06 INV.=10.01
53+00
720 24"x78' SDP
715 53+75 R-CB-11 TC=15.50 INV.=10.20
718 24"x5' SDP
716 EXISTING 21" DRAINS TO REMAIN
713 53+80 R-CB-11 TC=15.50 INV.=10.21
54+00
714 18"x22' SDP
711 54+00 CB-08 INV.=10.25
712 18"x56' SDP
EXISTING 12" DRAIN TO REMAIN
709 54+56 R-CB-11 TC=15.30 INV.=10.35
55+00
MATCH LINE STATION 55+00

39.2'
+18.87
+58.03
R=12'
gravel
ditch
NV 1' 1
NV 12' 2
NV 1' 16
NV 1' 25
TC 15.27 Est
12.77
joints 2.74
shoulder
edge of road
12.01'
24.52'
11.45'
25.37'

SURVEY BASELINE N17°39'07.7"W
LA 3017 PETERS ROAD
N17°39'12"W

854 15"x39' SDP
855 50+52.44 R-CB-11 TC=16.25 INV.=9.88
POLE TO BE RELOCATED BY ENTERGY
RELOCATED POWER POLE
Headwall: Top-El 14
ditch
NV 1' 10
18" RCP
NV 12' 1
NV 1' 99
24" PCC WATER
50+00
857 50+00 CB-08 INV.=9.83
856 30"x68' SDPA
853 50+52.44 CB-08 INV.=11.13
900 30"x45' SDPA
+99.06
85.00'
902 51+04.5 CB-02 TC 15.50 INV. 9.90
gravel road
901 REMOVE 27x36 ACMP & INSTALL REQ'D 30"X57'SDP FROM NEW MH TO REQ'D DRAINAGE STRUCTURE #902
903 24"x51' SDP SLOPE DOWN TO CB-02
1
EXISTING R/W
REQUIRED R/W
REQUIRED DRAINAGE SERVITUDE/ TEMPORARY CONSTRUCTION SERVITUDE
LIMITS OF CONSTRUCTION
EXISTING R/W
STA. 53+65.48 BEGIN CURVE
R=5700.00'
GRADE SHOWN ON PROFILE
WATER VALVE SIG
telephone
ditch

NOTE: SAW CUT ASPHALT PAVING AT NEW LANE ADDITON

SCALE : 1"=20'

EXISTING GRADE AT SURVEY BASELINE
P.G.L.
755 (+) 0.3%
757 P.I. STA. 51+27.94 EL. 16.04 (−) 0.3%
721 P.I. STA. 52+39.61 EL. 15.94 (+) 0.3% (−) 0.3%
717 P.I. STA. 53+59.61 EL. 15.94 (+) 0.3% (−) 0.3%
711 (+) 0.3%
EL.=15.82
EL.=15.76
EL.=15.82
EL.=14.50
H.P.=15.50
EXIST. SDPA TO BE REMOVED
754 15" SDP
724 15" SDP
REQ'D DITCH GRADE
EXIST. GAS
716 EXIST. 21" SDP
715
713
718 24"x5' SDP @ (+)0.11%
710 EXIST. 12" SDP
709
756 18"x105' SDP @ (−)0.17%
726 24"x95' SDP @ (+)0.11%
722 24"x100' SDP @ (+)0.11%
720 24"x78' SDP @ (+)0.11%
712 18"x56 SDP @ (+)0.17%
714 18"x22' SDP @ (+)0.17%
INV.=11.13
INV.=10.40
INV.=10.22
INV.=9.90
INV.=9.95
INV.=10.01
INV.=10.11
INV.=10.20
INV.=10.21
INV.=10.25
INV.=10.35
16.27 15.65
16.41 15.95
16.46 15.82
16.44 15.76
16.47 15.82
16.62 16.12
LEFT PROFILE

EXISTING GRADE AT SURVEY BASELINE
857
855
902
854 15" SDP
EXIST. SDPA TO BE REMOVED
INV.=11.05
903 24"x51' SDP @ (+)0.78%EXTENDED FROM EXIST. DITCH
900
856 30"x68' SDPA @ (+)0.10%
30"x45' SDP @ (+)0.10%
901 30"x51' SDP CROSS DRAIN
INV.=11.80
EXIST. WATER
INV.=9.83
INV.=9.88
INV.=9.90
16.27
16.41
16.46
16.44
16.47
16.62
50+00
51+00
52+00
53+00
54+00
55+00
RIGHT PROFILE

SHEET NUMBER	20
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO	DATE	REVISION DESCRIPTION	BY
1	09/10/25	REVISED DRAINAGE STRUCTURES CALL OUTS	MAC

PLAN AND PROFILE

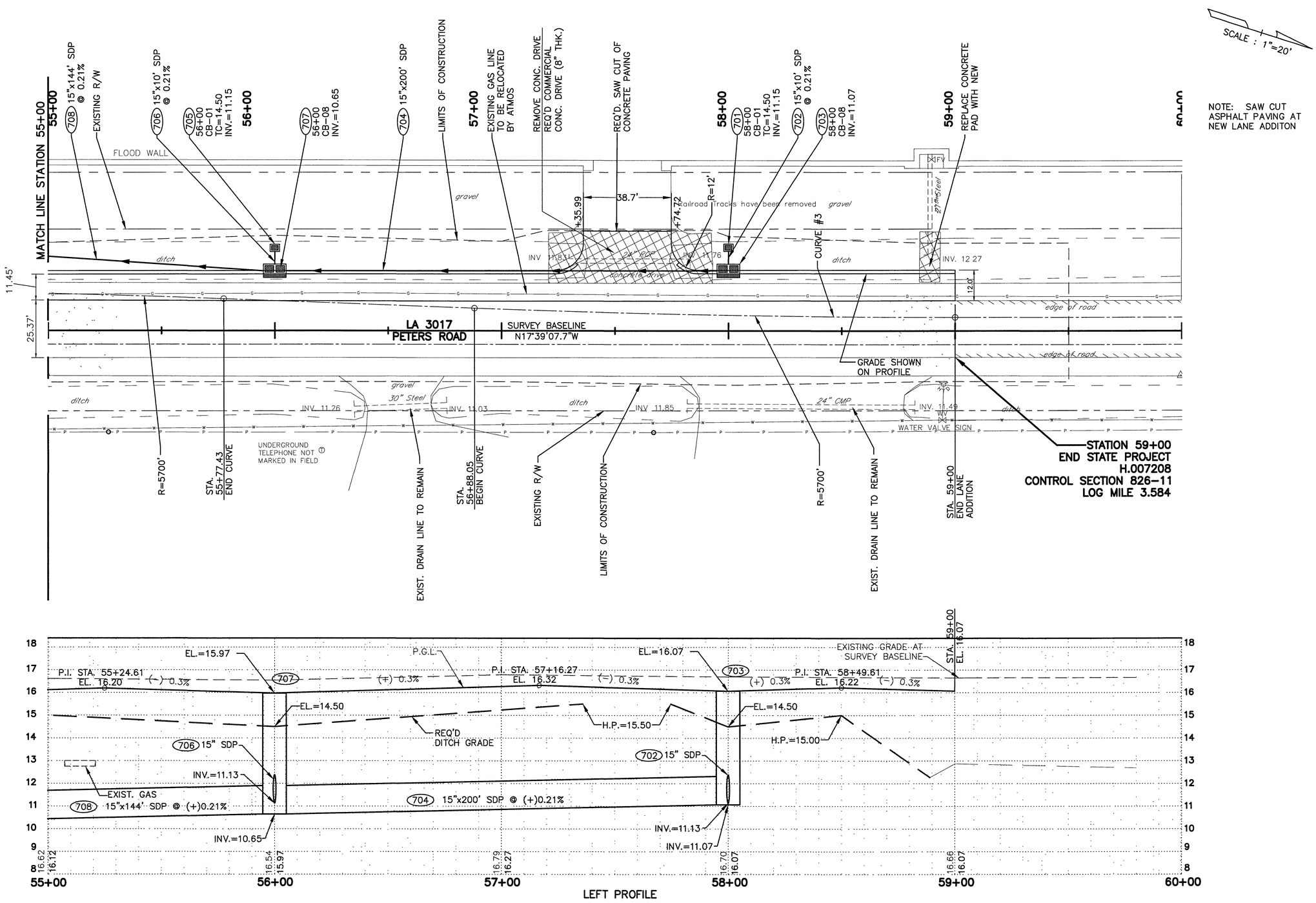
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

STATE OF LOUISIANA
09/11/2025
DANIEL F. BCBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

PERRIN & CARTER, INC.

LA 3017

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07/23/2025 14:36



SHEET NUMBER	21
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / MAC
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

PLAN AND PROFILE

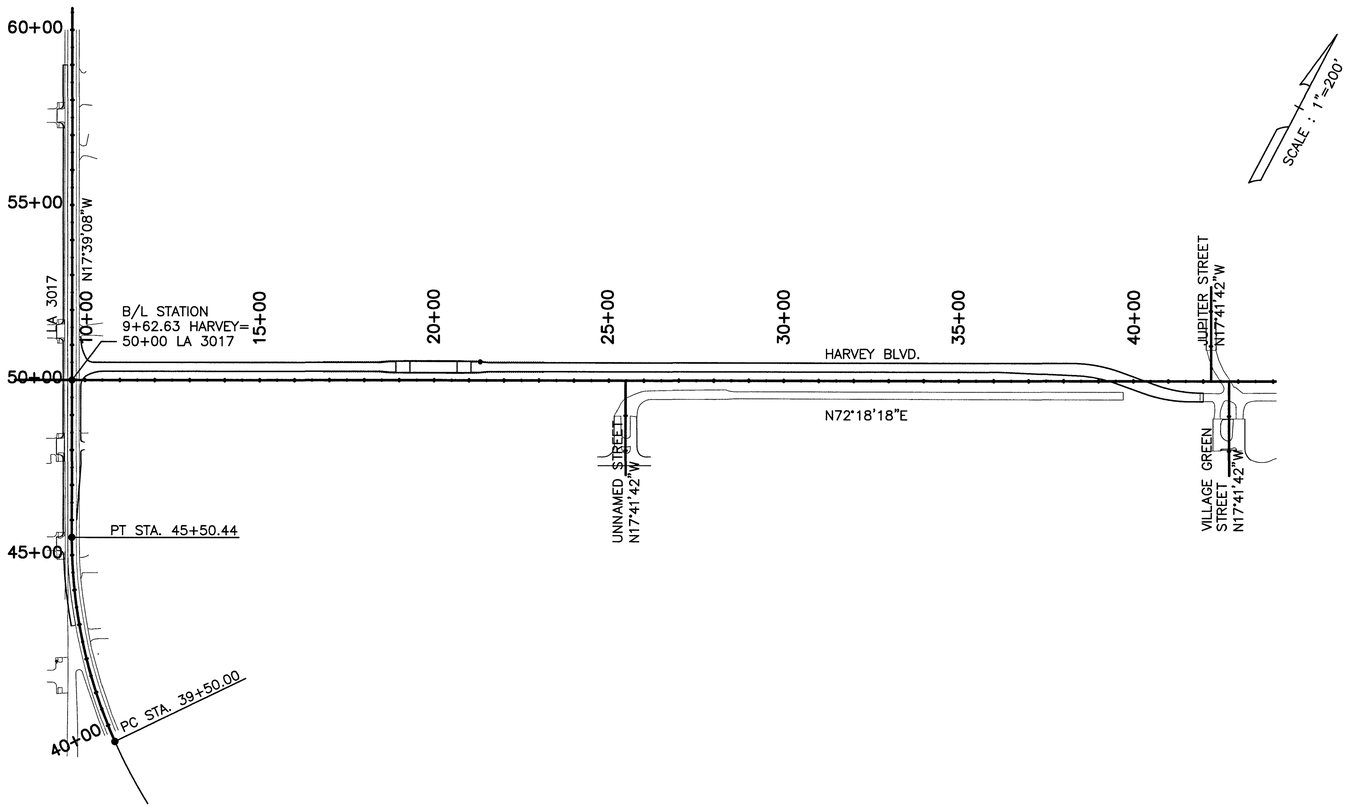
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

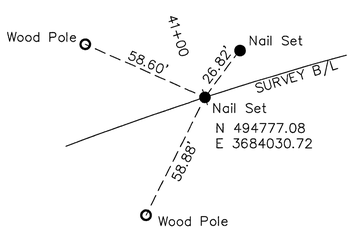
STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

LA 3017

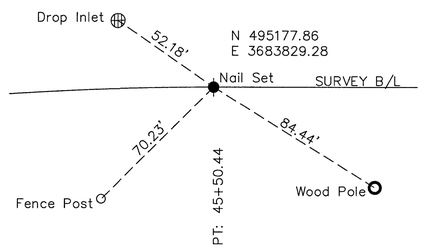
DOTD

PERRIN & CARTER, INC.

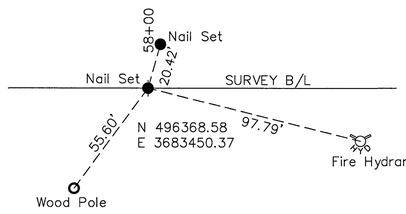




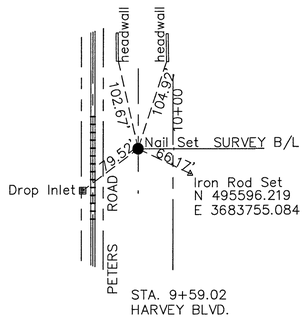
STATION 41+00
LA 3017



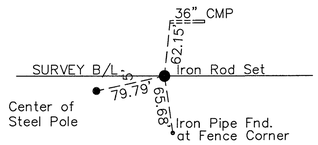
STATION 45+50.44
LA 3017



STATION 58+00
LA 3017



STA. 9+59.02
HARVEY BLVD.



STA. 19+00
HARVEY BLVD.

REFERENCE B.M.=U368
ELEVATION=-0.28 (NAVD88)
=20.15 (CAIRO DATUM)
THIS B.M. CONTROLS THE PROJECT

TBM
STA. 23+48.94, 5FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 17.19 (CD)

TBM
STA. 29+74.16, 5FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 17.59 (CD)

TBM
STA. 36+00.144, 5FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 17.23 (CD)

TBM
STA. 42+24.75, 5FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 17.08 (CD)

TBM
STA. 48+49.93, 5FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 17.05 (CD)

TBM
STA. 54+74.13, 5FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 17.63 (CD)

TBM
STA. 67+46.94, 7.02FT. RT.
BOX CUT ON CONCRETE FOUNDATION
ELEV. 16.81 (CD)

LA 3017

STATION	NORTHING	EASTING
PC STA 39+50.00	494660.09	3684124.53
PT STA 45+50.44	495177.86	3683829.28
STA 59+50	496511.52	3683404.88

HARVEY BLVD.

STATION	NORTHING	EASTING
STA 9+62.63	495606.25	3683692.96

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 23

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	DETAILED	DATE
MAC	MAC	07/18/25
CHECKED	CHECKED	SHEET
DFB	DFB	

NO.	DATE	REVISION DESCRIPTION	BY

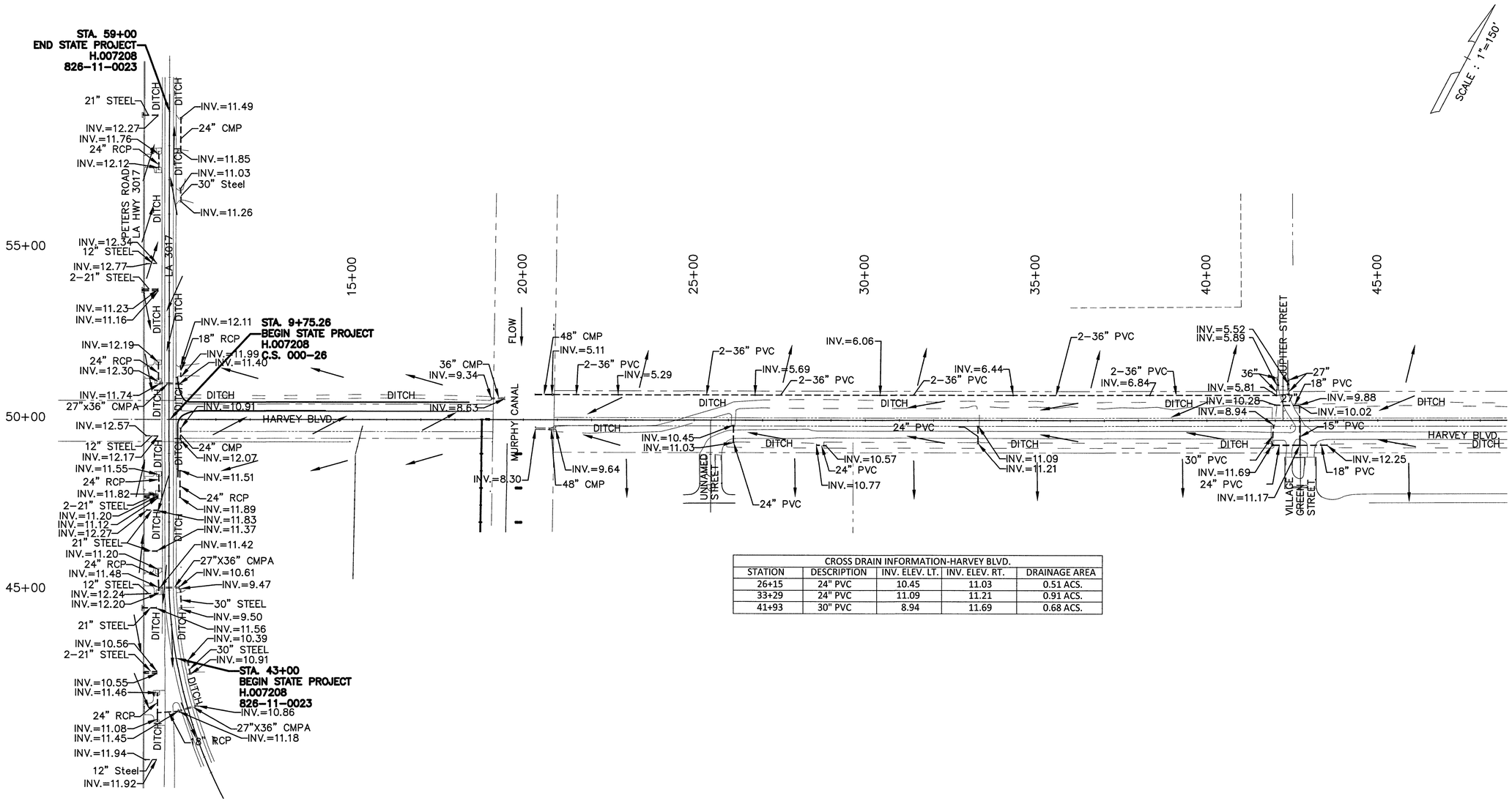
REFERENCE POINTS AND BENCH MARK ELEVATIONS

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD
PERRIN & CARTER, INC.

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07/23/2025 14:39



CROSS DRAIN INFORMATION-HARVEY BLVD.				
STATION	DESCRIPTION	INV. ELEV. LT.	INV. ELEV. RT.	DRAINAGE AREA
26+15	24" PVC	10.45	11.03	0.51 ACS.
33+29	24" PVC	11.09	11.21	0.91 ACS.
41+93	30" PVC	8.94	11.69	0.68 ACS.

CROSS DRAIN INFORMATION-LA 3017				
STATION	DESCRIPTION	INV. ELEV. LT.	INV. ELEV. RT.	DRAINAGE AREA
45+07	27"x36" CMPA	11.42	10.61	1.89 ACS.
51+05	27"x36" CMPA	11.74	11.40	2.47 ACS.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 24

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	DETAILED	DATE
MAC DFB	MAC DFB	07/18/25
CHECKED	CHECKED	SHEET

REVISION DESCRIPTION | DATE | NO. | BY

STATE OF LOUISIANA
DANIEL F. BOBECK
38640
REGISTERED PROFESSIONAL ENGINEER

EXISTING DRAINAGE MAP

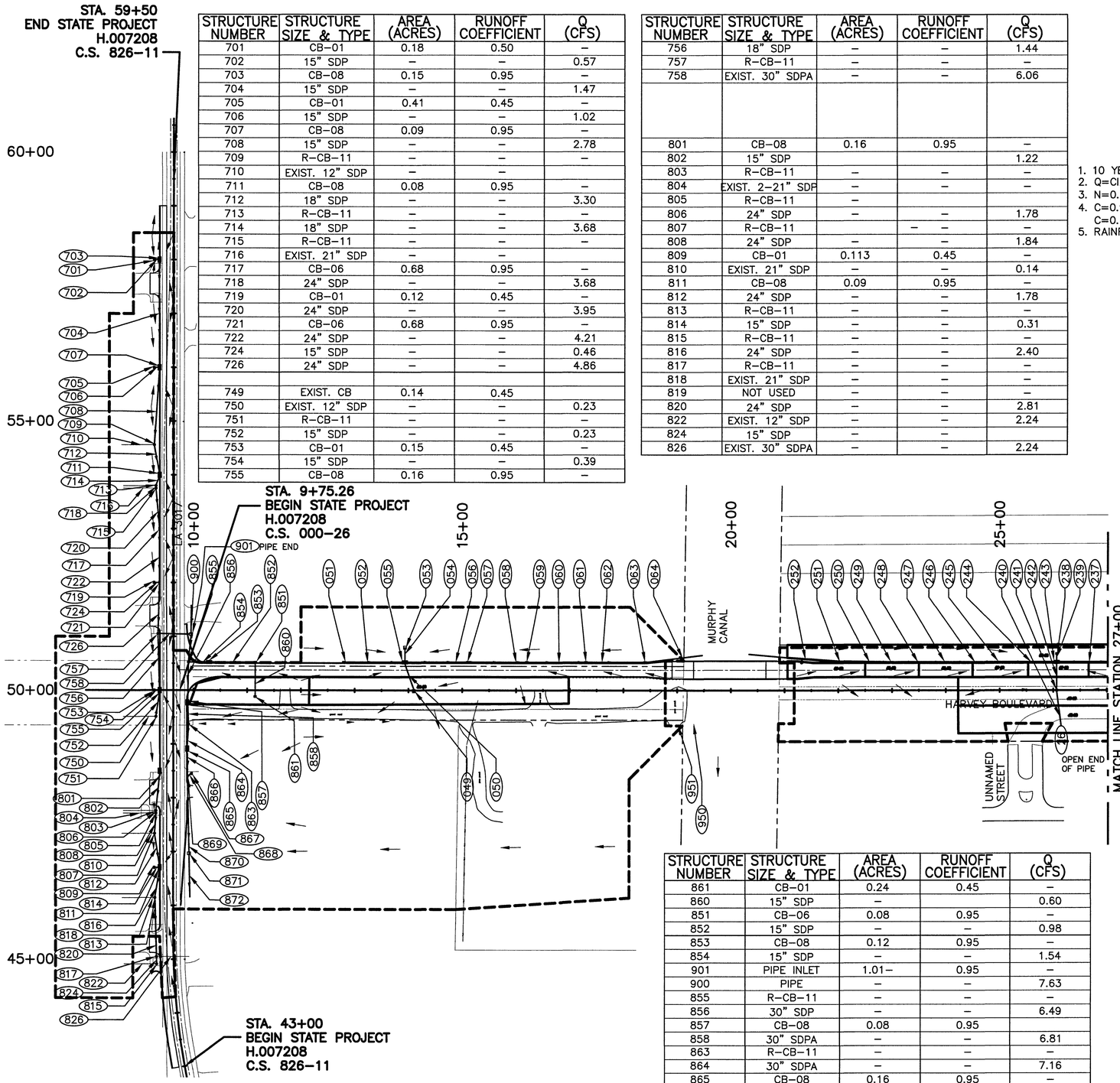
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD
PERRIN & CARTER, INC.

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07/23/2025 14:44



STRUCTURE NUMBER	STRUCTURE SIZE & TYPE	AREA (ACRES)	RUNOFF COEFFICIENT	Q (CFS)
049	CB–02	1.10	0.45	
050	30" SDP	–	–	3.12
051	CB–06	0.07	0.95	–
052	15" SDP	–	–	0.53
053	CB–02	1.57	0.65	–
054	21" SDPA	–	–	5.92
055	CB–08	0.17	0.95	–
056	30" SDP	–	–	10.07
057	CB–06	0.07	0.95	–
058	30" SDP	–	–	10.25
059	CB–06	0.07	0.95	–
060	30" SDP	–	–	10.44
061	CB–06	0.07	0.95	–
062	30" SDP	–	–	10.62
063	CB–06	0.07	0.95	–
064	30" SDP	–	–	10.80
237	42" SDP			23.30
238	CB–01	0.46	0.45	–
239	15" SDP	–	–	1.21
240	24" SDP	–	–	0.95
241	CB–01	0.43	0.45	–
242	24" SDP	–	–	1.87
243	CB–08	0.07	0.95	–
244	42" SDP	–	–	25.86
245	CB–SD06	0.07	0.95	–
246	42" SDP	–	–	25.86
247	CB–SD06	0.06	0.95	–
248	42" SDP	–	–	25.86
249	CB–SD06	0.06	0.95	–
250	42" SDP	–	–	25.87
251	CB–SD06	0.06	0.95	–
252	42" SDP	–	–	25.88

SEE UPSTREAM PIPES ON SHEET 26

STRUCTURE NUMBER	STRUCTURE SIZE & TYPE	AREA (ACRES)	RUNOFF COEFFICIENT	Q (CFS)
701	CB–01	0.18	0.50	–
702	15" SDP	–	–	0.57
703	CB–08	0.15	0.95	–
704	15" SDP	–	–	1.47
705	CB–01	0.41	0.45	–
706	15" SDP	–	–	1.02
707	CB–08	0.09	0.95	–
708	15" SDP	–	–	2.78
709	R–CB–11	–	–	–
710	EXIST. 12" SDP	–	–	
711	CB–08	0.08	0.95	–
712	18" SDP	–	–	3.30
713	R–CB–11	–	–	–
714	18" SDP	–	–	3.68
715	R–CB–11	–	–	–
716	EXIST. 21" SDP	–	–	
717	CB–06	0.68	0.95	–
718	24" SDP	–	–	3.68
719	CB–01	0.12	0.45	–
720	24" SDP	–	–	3.95
721	CB–06	0.68	0.95	–
722	24" SDP	–	–	4.21
724	15" SDP	–	–	0.46
726	24" SDP	–	–	4.86
749	EXIST. CB	0.14	0.45	
750	EXIST. 12" SDP	–	–	0.23
751	R–CB–11	–	–	–
752	15" SDP	–	–	0.23
753	CB–01	0.15	0.45	–
754	15" SDP	–	–	0.39
755	CB–08	0.16	0.95	–

STRUCTURE NUMBER	STRUCTURE SIZE & TYPE	AREA (ACRES)	RUNOFF COEFFICIENT	Q (CFS)
756	18" SDP	–	–	1.44
757	R–CB–11	–	–	–
758	EXIST. 30" SDPA	–	–	6.06
801	CB–08	0.16	0.95	–
802	15" SDP			1.22
803	R–CB–11	–	–	–
804	EXIST. 2–21" SDP	–	–	–
805	R–CB–11	–		
806	24" SDP	–	–	1.78
807	R–CB–11		– –	–
808	24" SDP	–	–	1.84
809	CB–01	0.113	0.45	–
810	EXIST. 21" SDP	–	–	0.14
811	CB–08	0.09	0.95	–
812	24" SDP	–	–	1.78
813	R–CB–11	–	–	–
814	15" SDP	–	–	0.31
815	R–CB–11	–	–	–
816	24" SDP	–	–	2.40
817	R–CB–11	–	–	–
818	EXIST. 21" SDP	–	–	–
819	NOT USED	–	–	–
820	24" SDP	–	–	2.81
822	EXIST. 12" SDP	–	–	2.24
824	15" SDP	–	–	
826	EXIST. 30" SDPA	–	–	2.24

STRUCTURE NUMBER	STRUCTURE SIZE & TYPE	AREA (ACRES)	RUNOFF COEFFICIENT	Q (CFS)
950	18" SDP	–	–	4.34
951	CB–01	0.65	0.95	–

STRUCTURE NUMBER	STRUCTURE SIZE & TYPE	AREA (ACRES)	RUNOFF COEFFICIENT	Q (CFS)
861	CB–01	0.24	0.45	–
860	15" SDP	–		0.60
851	CB–06	0.08	0.95	–
852	15" SDP	–	–	0.98
853	CB–08	0.12	0.95	–
854	15" SDP	–	–	1.54
901	PIPE INLET	1.01–	0.95	–
900	PIPE	–	–	7.63
855	R–CB–11	–	–	–
856	30" SDP	–	–	6.49
857	CB–08	0.08	0.95	
858	30" SDPA	–	–	6.81
863	R–CB–11	–	–	–
864	30" SDPA	–	–	7.16
865	CB–08	0.16	0.95	–
866	30" SDPA	–	–	7.88
867	CB–01	0.85	0.70	–
868	18" SDP	–	–	4.79
869	CB–06	0.70	0.95	
870	30" SDPA	–		14.10
871	CB–01	2.00	0.70	
872	36" SDPA			20.77
				–

1. 10 YEAR STORM
2. Q=CIA
3. N=0.012(RCP)
4. C=0.95(PAVEMENT)(MAX.)
   C=0.45(OPEN LAND)(MIN.)
5. RAINFALL INTENSITY – REGION 1

SCALE: 1"=100'

SHEET NUMBER 25

PARISH: JEFFERSON
CONTROL SECTION: 000–26, 826–11
STATE PROJECT: H.007208
DESIGNED: MAC
CHECKED: DFB
DETAILED: MAC
CHECKED: DFB
DATE: 07/18/25
SHEET

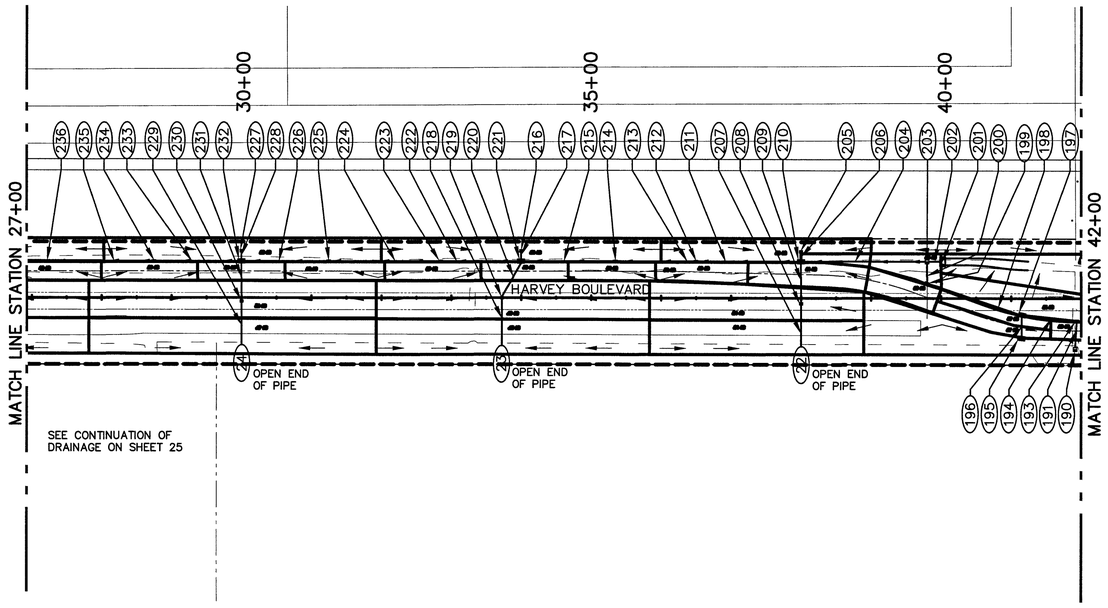
NO. | DATE | REVISION DESCRIPTION | BY

DESIGN DRAINAGE MAP

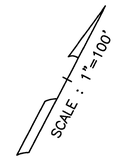
HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING



STRUCTURE NUMBER	STRUCTURE SIZE & TYPE	AREA (ACRES)	RUNOFF COEFFICIENT	Q (CFS)
190	CB–02	1.77	0.45	
191	30" SDP	–	–	5.31
193	CB–06	0.03	0.95	
194	30" SDP	–	–	5.46
195	CB–08	0.07	0.95	
196	24" SDP	–	–	0.54
197	CB–08	0.07	0.95	
198	30" SDP	–	–	6.25
199	CB–06	0.09	0.95	
200	30" SDP	–	–	6.44
201	HW–01	4.68	0.45	–
202	30" SDP	–	–	10.45
203	CB–02	0.08	0.45	–
204	36" SDP	–	–	15.35
205	CB–01	0.20	0.45	–
206	15" SDP	–	–	0.55
207	24" SDP	–	–	0.81
208	CB–01	0.34	0.45	–
209	30" SDP	–	–	1.58
210	CB–08	0.14	0.95	–
211	36" SDP	–	–	17.48
212	CB–06	0.09	0.95	–
213	36" SDP	–	–	17.59
214	CB–06	0.08	0.95	–
215	36" SDP	–	–	17.72
216	CB–01	0.30	0.45	–
217	15" SDP	–	–	0.74
218	24" SDP	–	–	1.01
219	CB–01	0.45	0.45	–
220	24" SDP	–	–	2.02
221	CB–08	0.08	0.95	–
222	36" SDP	–	–	20.28
223	CB–06	0.09	0.96	–
224	36" SDP	–	–	20.45
225	CB–06	0.09	0.95	–
226	36" SDP	–	–	20.54
227	CB–01	0.30	0.45	–
228	15" SDP	–	–	0.79
229	24" SDP	–	–	1.06
230	CB–01	0.50	0.45	–
231	30" SDP	–	–	2.14
232	CB–08	0.08	0.95	–
233	42" SDP	–	–	23.13
234	CB–06	0.4	0.95	–
235	42" SDP	–	–	23.24
236	CB–06	0.4	0.95	–
237	42" SDP			23.30
238	CB–01	0.46	0.45	–
239	15" SDP	–	–	1.21
240	24" SDP	–	–	0.95
241	CB–01	0.43	0.45	–
242	24" SDP	–	–	1.87
243	CB–08	0.07	0.95	–
244	42" SDP	–	–	25.86
245	CB–SD06	0.06	0.95	–
246	42" SDP	–	–	25.86
247	CB–SD06	0.06	0.95	–
248	42" SDP	–	–	25.86
249	CB–SD06	0.06	0.95	–
250	42" SDP	–	–	25.87
251	CB–SD06	0.06	0.95	–
252	42" SDP	–	–	25.88



1. 10 YEAR STORM
2. Q=CIA
3. N=0.012(RCP)
4. C=0.95(PAVEMENT)(MAX.)
   C=0.35(OPEN LAND)(MIN.)
5. RAINFALL INTENSITY – REGION 1

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 26

PARISH JEFFERSON | CONTROL SECTION 000–26 | STATE PROJECT H.007208

DESIGNED MAC | DETAILED MAC | DATE 07/18/25 | SHEET

CHECKED DFB | CHECKED DFB | BY

REVISION DESCRIPTION | NO. | DATE

DESIGN DRAINAGE MAP

HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

07/23/2025 14:46

Drawing Path: C:\Users\carterm\OneDrive – Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 26.dwg 07.23.2025 14:46:22

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 28.dwg 09 09 2025 11:37:00 09/09/2025 11:37

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	REMARKS	PLAN	TYPE	STORM DRAIN PIPE (TYPE 3 JTS.) 15" LIN. FT.	18" LIN. FT.	24" LIN. FT.	27" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	48" LIN. FT.	54" LIN. FT.	STORM DRAIN PIPE ARCH. (TYPE 3 JTS.) 15" LIN. FT.	18" LIN. FT.	21" LIN. FT.	27" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	HEAD WALL HW-01 EACH	JP CATCH BASINS (BRICK) CB-01 EACH	CB-02 EACH	CB-06 EACH	CB-08 EACH	CB-08MD EACH	CATCH BASINS CB-01 EACH	CB-06 EACH	CB-SD06 EACH	CB-08 EACH	MANHOLES R-CB-11 EACH	R-CB-11 MOD EACH	OUTFALL PIPE (TYPE 3 JOINTS) 30" LIN. FT.	42" LIN. FT.	BEDDING MATERIAL CUBIC YARD
049	14+10	CATCH BASIN, ON BASE LINE	CB-02	C.B.																			1												3.9
050	13+93.36	STORM DRAIN PIPE 30" RCP x 56', LT.		S.D.P.					56																										24.5
051	12+80	CATCH BASIN, LT.	CB-06	C.B.																				1											4.2
052	13+25	STORM DRAIN PIPE 15" RCP x 114', LT.		S.D.P.	114																														40.8
053	13+93.36	CATCH BASIN, LT. (1)	CB-02	C.B.																			1											(1) 3.9	
054	13+93.36	STORM DRAIN PIPE 2-15" S.D.P. x 25', LT.		S.D.P.A.									(1) 50																						39.1
055	13+93.36	CATCH BASIN, LT.	CB-08	C.B.																						1									7.4
056	14+50	STORM DRAIN PIPE 30" RCP x 117', LT.		S.D.P.					117																										77.2
057	15+10	CATCH BASIN, LT.	CB-06	C.B.																				1											4.2
058	16+00	STORM DRAIN PIPE 30" RCP x 110', LT.		S.D.P.					110																										72.6
059	16+20	CATCH BASIN, LT.	CB-06	C.B.																				1											4.2
060	17+00	STORM DRAIN PIPE 30" RCP x 110', LT.		S.D.P.					110																										72.6
061	17+30	CATCH BASIN, LT.	CB-06	C.B.																				1											4.2
062	18+00	STORM DRAIN PIPE 30" RCP x 110', LT.		S.D.P.					110																										72.6
063	18+40	CATCH BASIN, LT.	CB-06	C.B.																				1											4.2
064	19+00	(1) STORM DRAIN PIPE 30" RPVCP x 135', LT.		RPVCP																													(1) 135		89.1
190	41+90.6	CATCH BASIN, RT.	CB-02	C.B.																			1												3.9
191	41+91	STORM DRAIN PIPE 30" RCP x 36', RT.		S.D.P.					36																										24.1
193	41+91.2	CATCH BASIN, RT.	CB-06	C.B.																				1											4.2
194	41+50	STORM DRAIN PIPE 30" RCP x 71', RT.		S.D.P.					71																										47.6
195	41+15	CATCH BASIN, RT.	CB-08	C.B.																						1									7.4
196	41+15	STORM DRAIN PIPE 24" RCP x 27', RT.		S.D.P.			27																												12.7
197	41+15	CATCH BASIN, RT.	CB-08	C.B.																						1									7.4
198	41+50	STORM DRAIN PIPE 30" RCP x 137', RT.		S.D.P.					137																										91.8
199	39+80	CATCH BASIN, LT.	CB-06	C.B.																				1											4.2
200	39+80	STORM DRAIN PIPE 30" RCP x 27', LT.		S.D.P.					27																										18.1
201	40+00	CONCRETE HEADWALL PER SHEET 41. lt.	HW-01	H.W.																	1														8.6
202	39+90	STORM DRAIN PIPE 30" RCPA x 21', LT.		S.D.P.															21																20.7
203	39+80	CATCH BASIN, LT.	CB-02	C.B.																			1												3.9
204	38+90	STORM DRAIN PIPE 36" RCP x 180', LT.		S.D.P.						180																									177.8
205	38+00	CATCH BASIN, LT.	CB-01	C.B.																		1													1.9
206	38+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																														3.6
207	38+00	STORM DRAIN PIPE 24" RCP x 62', LT.		S.D.P.			62																												29.1
		SUB TOTAL			(1) 124		89		(1) 774	180			(1) 50					(1) 21			1	(1) 1	(1) 4	7	3								(1) 135		(1) 991.7

NOTE: ALL CB-01 CATCH BASINS MUST BE OF TYPE "C" GRATE.

TYPE
D.I. DROP INLET
C.B. CATCH BASIN
S.D.P. STORM DRAIN PIPE
S.D.P.A. STORM DRAIN PIPE ARCH
D.M.H. DRAIN MANHOLE

STATE OF LOUISIANA — DANIEL F. BOBECK — No. 00366-40 — PROFESSIONAL ENGINEER — CIVIL ENGINEERING — 09/11/2025

SHEET NUMBER 28

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED CHECKED	DETAILED CHECKED	DATE SHEET
MAC DFB	MAC DFB	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY
1	09/08/25	REVISED DRAINAGE STRUCTURES & ASSOCIATED ITEMS	MAC

SUMMARY OF DRAINAGE STRUCTURES SHEET

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	REMARKS	PLAN	TYPE	STORM DRAIN PIPE (TYPE 3 JTS.)									STORM DRAIN PIPE ARCH. (TYPE 3 JTS.)									HEAD WALL	JP CATCH BASINS (BRICK)				CATCH BASINS				MANHOLES		OUTFALL PIPE (TYPE 3 JOINTS)		BEDDING MATERIAL
					15"	18"	24"	27"	30"	36"	42"	48"	54"	15"	18"	21"	27"	30"	36"	42"	48"	54"	HW-01	CB-01	CB-02	CB-06	CB-08	CB-01	CB-06	CB-SD06	CB-08	R-CB-11	R-CB-11 MOD	30"	42"	
					LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	CUBIC YARD
208	38+00	CATCH BASIN, LT.	CB-01	C.B.																			1												1.9
209	38+00	STORM DRAIN PIPE 30" RCP x 61', LT.		S.D.P.					61																											40.9
210	38+00	CATCH BASIN, LT.	CB-08	C.B.																						1									8.6
211	37+50	STORM DRAIN PIPE 36" RCP x 150', LT.		S.D.P.						150																										148.2
212	36+50	CATCH BASIN, LT.	CB-06	C.B.																					1											5.3
213	36+00	STORM DRAIN PIPE 36" RCP x 115', LT.		S.D.P.						115																										113.6
214	35+35	CATCH BASIN, LT.	CB-06	C.B.																					1											5.3
215	34+50	STORM DRAIN PIPE 36" RCP x 135', LT.		S.D.P.						135																										133.3
216	34+00	CATCH BASIN, LT.	CB-01	C.B.																			1													1.9
217	34+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
218	33+72	STORM DRAIN PIPE 24" RCP x 69', LT.		S.D.P.			69																													32.4
219	33+72	CATCH BASIN, LT.	CB-01	C.B.																			1													1.9
220	33+86	STORM DRAIN PIPE 24" RCP x (60'), LT. ①		S.D.P.			60																													28.2
221	34+00	CATCH BASIN, LT.	CB-08	C.B.																						1									8.6
222	33+50	STORM DRAIN PIPE 36" RCP x 115', LT.		S.D.P.						115																										113.6
223	32+85	CATCH BASIN, LT.	CB-06	C.B.																					1											5.3
224	32+00	STORM DRAIN PIPE 36" RCP x 160', LT.		S.D.P.						160																										158.0
225	31+25	CATCH BASIN, LT.	CB-06	C.B.																					1											5.3
226	30+50	STORM DRAIN PIPE 36" RCP x 125', LT.		S.D.P.						125																										123.5
227	30+00	CATCH BASIN, LT.	CB-01	C.B.																			1													1.9
228	30+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
229	30+00	STORM DRAIN PIPE 24" RCP x 62', LT.		S.D.P.			62																													29.1
230	30+00	CATCH BASIN, LT.	CB-01	C.B.																			1													1.9
231	30+00	STORM DRAIN PIPE 24" RCP x (58'), LT. ①		S.D.P.			58																													28.5
232	30+00	CATCH BASIN, LT.	CB-08	C.B.																						1									9.1
233	29+50	STORM DRAIN PIPE 42" RCP x 125', LT.		S.D.P.							125																										136.5
234	28+75	CATCH BASIN, LT.	CB-06	C.B.																					1											5.7
235	28+00	STORM DRAIN PIPE 42" RCP x 150', LT.		S.D.P.							150																										163.8
236	27+25	CATCH BASIN, LT.	CB-06	C.B.																					1											5.7
237	26+50	STORM DRAIN PIPE 42" RCP x 119', LT.		S.D.P.							119																										129.9
238	26+06.31	CATCH BASIN, LT.	CB-01	C.B.																			1													1.9
239	26+06.31	STORM DRAIN PIPE 15" RCP x 15', LT.		S.D.P.	15																															5.4
240	26+06.31	STORM DRAIN PIPE 24" RCP x (67') LT. ①		S.D.P.			67																													31.5
		SUB TOTAL			35		316		61	800	394												6		6	3									1493.9

NOTE: ALL CB-01 CATCH BASINS MUST BE OF TYPE "C" GRATE.

TYPE
D.I. DROP INLET
C.B. CATCH BASIN
S.D.P. STORM DRAIN PIPE
S.D.P.A. STORM DRAIN PIPE ARCH
D.M.H. DRAIN MANHOLE

STATE OF LOUISIANA
09/11/2025
DANIEL F. BOBECK
Lic. no. 003864
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

SHEET NUMBER 29

JEFFERSON | PARISH
000-26 | CONTROL SECTION
H.007208 | STATE PROJECT

DESIGNED MAC | DETAILED MAC | DATE 07/18/25
CHECKED DFB | CHECKED DFB | SHEET

NO	DATE	REVISION DESCRIPTION	BY
1	09/10/25	REVISED DRAINAGE STRUCTURES & ASSOCIATED ITEMS	MAC

SUMMARY OF DRAINAGE STRUCTURES SHEET

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

BOYD
PERRIN & CARTER, INC

Drawing Path C:\Users\cartertm\OneDrive - Bosin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 29.dwg 09 10 2025 15:35:27

09/10/2025 15:35

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	REMARKS	PLAN	TYPE	STORM DRAIN PIPE (TYPE 3 JTS.) 15" LIN. FT.	18" LIN. FT.	24" LIN. FT.	27" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	48" LIN. FT.	54" LIN. FT.	STORM DRAIN PIPE ARCH. (TYPE 3 JTS.) 15" LIN. FT.	18" LIN. FT.	21" LIN. FT.	27" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	48" LIN. FT.	54" LIN. FT.	HEAD WALL HW-01 EACH	JP CATCH BASINS (BRICK) CB-01 EACH	CB-02 EACH	CB-06 EACH	CB-08 EACH	CATCH BASINS CB-01 EACH	CB-06 EACH	CB-SD06 EACH	CB-08 EACH	MANHOLES R-CB-11 EACH	R-CB-11 MOD EACH	OUTFALL PIPE (TYPE 3 JOINTS) 30" LIN. FT.	42" LIN. FT.	BEDDING MATERIAL CUBIC YARD
241	26+06.31	CATCH BASIN, LT.	CB-01	C.B.																				1												1.9
242	26+06.31	STORM DRAIN PIPE 30" RCP x 52', LT.		S.D.P.					52																											28.2
243	26+06.31	CATCH BASIN, LT.	CB-08	C.B.																							1									9.1
244	25+50	STORM DRAIN PIPE 42" RCP x 106', LT.		S.D.P.							106																									115.7
245	25+00	CATCH BASIN, LT.	CB-SD06	C.B.																									1							5.7
246	24+50	STORM DRAIN PIPE 42" RCP x 100', LT.		S.D.P.							100																									109.2
247	24+00	CATCH BASIN, LT.	CB-SD06	C.B.																									1							5.7
248	23+50	STORM DRAIN PIPE 42" RCP x 100', LT.		S.D.P.							100																									109.2
249	23+00	CATCH BASIN, LT.	CB-SD06	C.B.																									1							5.7
250	22+50	STORM DRAIN PIPE 42" RCP x 100', LT.		S.D.P.							100																									109.2
251	22+00	CATCH BASIN, LT.	CB-SD06	C.B.																									1							5.7
252	21+50	① STORM DRAIN PIPE 42" RPVCP x 185', LT.		RPVCP																														① 185		202.0
STRUCTURES 701 THRU 902 BELOW OUTFALL ON PETERS RD. (C.S. 826-11)																												TOTAL BEDDING -STRUCTURES 049 THRU 252 ABOVE ARE ALONG HARVEY BLVD. (C.S. 000-26)= ① 3192.9 CU YD.											
701	58+00	CATCH BASIN, LT.	CB-01	C.B.																								1								1.8
702	58+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
703	58+00	CATCH BASIN, LT.	CB-08	C.B.																											1					4.3
704	57+00	STORM DRAIN PIPE 15" RCP x 200', LT.		S.D.P.	200																															71.6
705	56+00	CATCH BASIN, LT.	CB-01	C.B.																								1								1.8
706	56+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
707	56+00	CATCH BASIN, LT.	CB-08	C.B.																											1					4.3
708	55+00	STORM DRAIN PIPE 15" RCP x 144', LT.		S.D.P.	144																															51.6
709	54+56	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
710	54+56	EXISTING 12" PIPE,LT. ① CONNECTED TO SN 709.		S.D.P.																																
711	54+00	CATCH BASIN, LT.	CB-08	C.B.																											1					4.3
712	54+25	STORM DRAIN PIPE 18" RCP x 56', LT.		S.D.P.		56																														22.1
713	53+80	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
714	53+90	STORM DRAIN PIPE 18" RCP x 22', LT.		S.D.P.		22																														8.7
715	53+75	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
716	53+78	EXISTING 21" PIPES, LT. ① CONNECTED TO SN 713 AND S.N. 715		S.D.P.																																
717	53+00	CATCH BASIN, LT.	CB-06	C.B.																										1						2.3
718	53+77	STORM DRAIN PIPE 24" RCP x 5', LT.		S.D.P.			5																													2.4
719	52+00	CATCH BASIN, LT.	CB-01	C.B.																								1								1.8
720	53+50	STORM DRAIN PIPE 24" RCP x 78', LT.		S.D.P.			78																													36.7
721	52+00	CATCH BASIN, LT.	CB-06	C.B.																										1						2.3
		SUB TOTAL			364	78	83		52		① 406													1			1	3	2	4	3	3				935.0

NOTE: ALL CB-01 CATCH BASINS MUST BE OF TYPE "C" GRATE.

TYPE
D.I. DROP INLET
C.B. CATCH BASIN
S.D.P. STORM DRAIN PIPE
S.D.P.A. STORM DRAIN PIPE ARCH
D.M.H. DRAIN MANHOLE

STATE OF LOUISIANA
09/11/2025
DANIEL F. BOBECK
LICENSE No. 0038640
PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING

SHEET NUMBER 30

PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208

DESIGNED MAC DFB
DETAILED MAC DFB
CHECKED
DATE 07/18/25
SHEET

NO	DATE	REVISION DESCRIPTION	BY
1	09/10/25	REVISED DRAINAGE STRUCTURES & ASSOCIATED ITEMS	MAC

SUMMARY OF DRAINAGE STRUCTURES SHEET

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD
PERRIN & CARTER, INC

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 30.dwg 09 10 2025 14:25:42
09/10/2025 14:25

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	REMARKS	PLAN	TYPE	STORM DRAIN PIPE (TYPE 3 JTS.)									STORM DRAIN PIPE ARCH. (TYPE 3 JTS.)										HEAD WALL	JP CATCH BASINS (BRICK)				CATCH BASINS				MANHOLES		OUTFALL PIPE (TYPE 3 JOINTS)		BEDDING MATERIAL
					15"	18"	24"	27"	30"	36"	42"	48"	54"	15"	18"	21"	27"	30"	36"	42"	48"	54"	HW-01	CB-01	CB-02	CB-06	CB-08	CB-01	CB-06	CB-SD06	CB-08	R-CB-11	R-CB-11 MOD	30"	42"	
					LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	CUBIC YARD
722	52+50	STORM DRAIN PIPE 24" RCP x 100', LT.		S.D.P.			100																													47.0
724	52+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
726	51+50	STORM DRAIN PIPE 24" RCP x 95', LT.		S.D.P.			95																													44.6
750	49+51	EXISTING 12" PIPE, LT. ① CONNECTED TO S.N. 751.		S.D.P.																																
751	49+51	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
752	49+75	STORM DRAIN PIPE 15" RCP x 49', LT.		S.D.P.	49																															17.6
753	50+00	CATCH BASIN, LT.	CB-01	C.B.																								1								1.8
754	50+00	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
755	50+00	CATCH BASIN, LT.	CB-08	C.B.																																4.3
756	50+50	STORM DRAIN PIPE 18" RCP x 105', LT.		S.D.P.		105																														41.5
757	51+05	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
776	51+05	EXIST ARCH PIPE, LT. (27"x36"ACMP) THIS PIPE CALLED OUT TO BE REMOVED.		S.D.P.A.																																
801	48+50	CATCH BASIN, LT.	CB-08	C.B.																																4.3
802	48+00	STORM DRAIN PIPE 15" RCP x 74', LT.		S.D.P.	74																															26.5
803	47+76	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
804	47+73	EXISTING 21" PIPES, LT. ① CONNECTED TO S.N. 803 AND S.N. 805.		S.D.P.																																
805	47+71	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
806	47+73	STORM DRAIN PIPE 24" RCP x 5', LT.		S.D.P.			5																													2.4
807	47+34	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
808	47+50	STORM DRAIN PIPE 24" RCP x 37', LT.		S.D.P.			37																													17.4
809	46+71	CATCH BASIN, LT.	CB-01	C.B.																								1								1.8
810	47+34	EXISTING 21" PIPE, LT. ① CONNECTED TO S.N. 807.		S.D.P.																																
811	46+71	CATCH BASIN, LT.	CB-08	C.B.																																4.3
812	47+00	STORM DRAIN PIPE 24" RCP x 63', LT.		S.D.P.			63																													29.6
813	46+15	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.7
814	46+71	STORM DRAIN PIPE 15" RCP x 10', LT.		S.D.P.	10																															3.6
815	44+93	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.5
816	46+50	STORM DRAIN PIPE 24" RCP x 56', LT.		S.D.P.			56																													26.3
817	45+06	DRAIN MANHOLE, LT.	R-CB-11	D.M.H.																												1				1.7
818	46+15	EXISTING 21" PIPE, LT. ① CONNECTED TO S.N. 813.		S.D.P.																																
820	45+45	STORM DRAIN PIPE 24" RCP x 109', LT.		S.D.P.			109																													51.2
822	44+93	EXISTING 12" PIPE. LT. ① CONNECTED TO S.N. 815.		S.D.P.																																
		SUB TOTAL			153	105	465																	2				3	8						

NOTE: ALL CB-01 CATCH BASINS MUST BE OF TYPE "C" GRATE.

TYPE
- D.I. DROP INLET
- C.B. CATCH BASIN
- S.D.P. STORM DRAIN PIPE
- S.D.P.A. STORM DRAIN PIPE ARCH
- D.M.H. DRAIN MANHOLE

STATE OF LOUISIANA
08/11/2025
DANIEL F. BOBECK
LICENSE No. 039849
PROFESSIONAL ENGINEER
DIRECTOR OF ENGINEERING

SHEET NUMBER 31

PARISH: JEFFERSON
CONTROL SECTION: 000-26
STATE PROJECT: H.007208

DESIGNED: MAC DFB
DETAILED: MAC DFB
CHECKED:
DATE: 07/18/25
SHEET:

NO.	DATE	REVISION DESCRIPTION	BY
0	09/10/25	REVISED DRAINAGE STRUCTURE REMARKS	MAC

SUMMARY OF DRAINAGE STRUCTURES SHEET

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC

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09/10/2025 14:30

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	REMARKS	PLAN	TYPE	STORM DRAIN PIPE (TYPE 3 JTS.)									STORM DRAIN PIPE ARCH. (TYPE 3 JTS.)							HEAD WALL	JP CATCH BASINS (BRICK)				CATCH BASINS					MANHOLES		OUTFALL PIPE (TYPE 3 JOINTS)		BEDDING MATERIAL
					15" LIN. FT.	18" LIN. FT.	24" LIN. FT.	27" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	48" LIN. FT.	54" LIN. FT.	15" LIN. FT.	18" LIN. FT.	21" LIN. FT.	27" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	HW-01 EACH	CB-01 EACH	CB-02 EACH	CB-06 EACH	CB-08 EACH	CB-01 EACH	CB-02 EACH	CB-06 EACH	CB-SD06 EACH	CB-08 EACH	R-CB-11 EACH	R-CB-11 MOD EACH	30" LIN. FT.	42" LIN. FT.	CUBIC YARD
824	45+00	STORM DRAIN PIPE 15" RCP x 13', LT.		S.D.P.	13																													4.7
826	45+06	EXIST 30" ARCH PIPE, LT.		S.D.P.A.														47																	31.2
851	11+15	CATCH BASIN, LT.	CB-06	C.B.																			1												2.9
852	10+50	STORM DRAIN PIPE 15" RCP x 86', LT.		S.D.P.	86																														30.8
853	10+29.12	CATCH BASIN, LT.	CB-08	C.B.																				1											5.5
854	9+50	STORM DRAIN PIPE 15" RCP x 39', RT.		S.D.P.	39																														14.0
855	50+52.44	DRAIN MANHOLE, RT.	R-CB-11	D.M.H.																											1				2.8
856	50+25	STORM DRAIN PIPE 30" RCPA x 68', RT.		S.D.P.A.														68																	35.0
857	50+00	CATCH BASIN, RT.	CB-08	C.B.																									1						7.5
858	49+50	STORM DRAIN PIPE ARCH 30" RCPA x 34', RT.	(1)	S.D.P.A.														34																	41.9
859		NOT USED																																	1.9
860	11+15	STORM DRAIN PIPE 15" RCP x 61', RT.		S.D.P.	61																														19.4
861	11+15	CATCH BASIN, RT.	CB-01	C.B.																						1									2.9
863	49+37.62	DRAIN MANHOLE, RT.	R-CB-11	D.M.H.																											1				3.9
864	49+25	STORM DRAIN PIPE ARCH 30" RCPA x 47', RT.		S.D.P.A.														47																	31.2
865	48+91.33	CATCH BASIN, RT.	CB-08	C.B.																									1						7.5
866	48+75	STORM DRAIN PIPE ARCH 30" RCPA x 52', RT.		S.D.P.A.														52																	34.6
867	48+45	CATCH BASIN, RT.	CB-01	C.B.																						1									2.4
868	48+42	STORM DRAIN PIPE 18" RCP x 10', RT.		S.D.P.		10																													4.0
869	48+40	CATCH BASIN, RT.	CB-06	C.B.																															4.2
870	47+50	STORM DRAIN PIPE ARCH 30" RCPA x 143', RT.		S.D.P.A.														143																	95.0
871	46+97	CATCH BASIN, RT.	(1) CB-02	C.B.																															2.8
872	46+00	STORM DRAIN PIPE ARCH 36" RCPA x 81', RT.		S.D.P.A.															81																178.0
900	50+75	STORM DRAIN PIPE 30" RCPA x 45', RT.	(1)	S.D.P.A.														45																	29.9
901	51+04.5	STORM DRAIN PIPE 30" RCP x 57'		S.D.P.					57																										38.2
902	51+04.5	CATCH BASIN, 29.70' RT.	CB-02																																4.5
(1) 903	51+25	STORM DRAIN PIPE 24" RCP x 51', 31' RT.		S.D.P.			51																											(1)	24.0
		SUB TOTAL THIS SHEET			199	10	51		57									389	81					1	1	2	2	1		2	2			(1)	629.5
		STRUCTURES 701 THRU 902 ABOVE – OUTFALL ON PETERS RD. (C.S. 826-11)																(1)								(1)	(1)								
		TOTAL (ALL SHEETS)			875	193	(1) 1004		(1) 944	980	800			50		25		410	81	1	(1) 8	(1) 4	14	8	(1) 7	(1) 2	3	4	8	13		(1) 135	(1) 185	(1) 4393.9	

NOTE: ALL CB-01 CATCH BASINS MUST BE OF TYPE "C" GRATE.

TYPE
D.I. DROP INLET
C.B. CATCH BASIN
S.D.P. STORM DRAIN PIPE
S.D.P.A. STORM DRAIN PIPE ARCH
D.M.H. DRAIN MANHOLE

STATE OF LOUISIANA
09/11/2025
DANIEL F. BOBECK
Licensed No. 00356470
PROFESSIONAL ENGINEER
CIVIL CERTIFICATION

SHEET NUMBER 32

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED CHECKED	DETAILED CHECKED	DATE SHEET
MAC DFB	MAC DFB	07/18/25

NO	DATE	REVISION DESCRIPTION	BY
1	09/10/25	REVISED DRAINAGE STRUCTURES & ASSOCIATED ITEMS	MAC

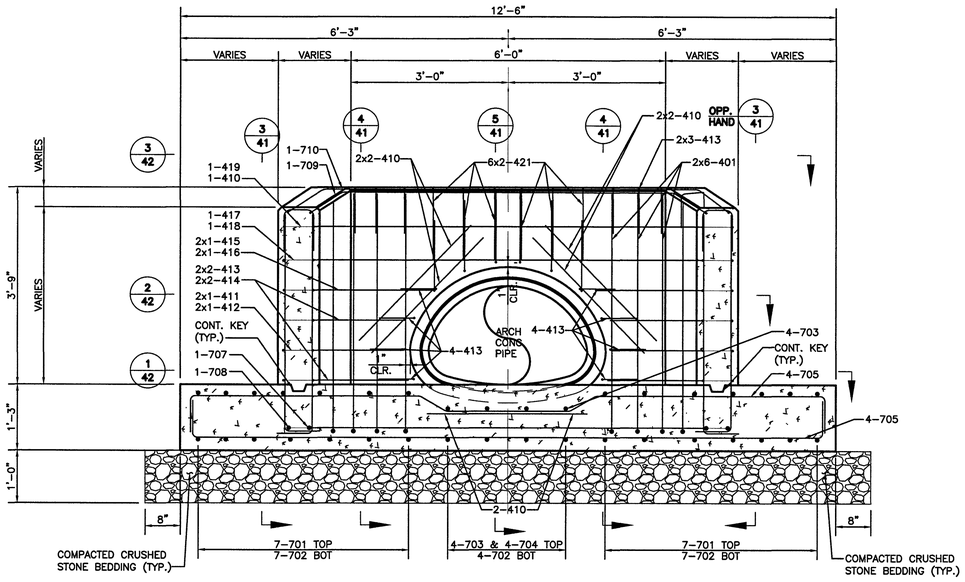
SUMMARY OF DRAINAGE STRUCTURES SHEET

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

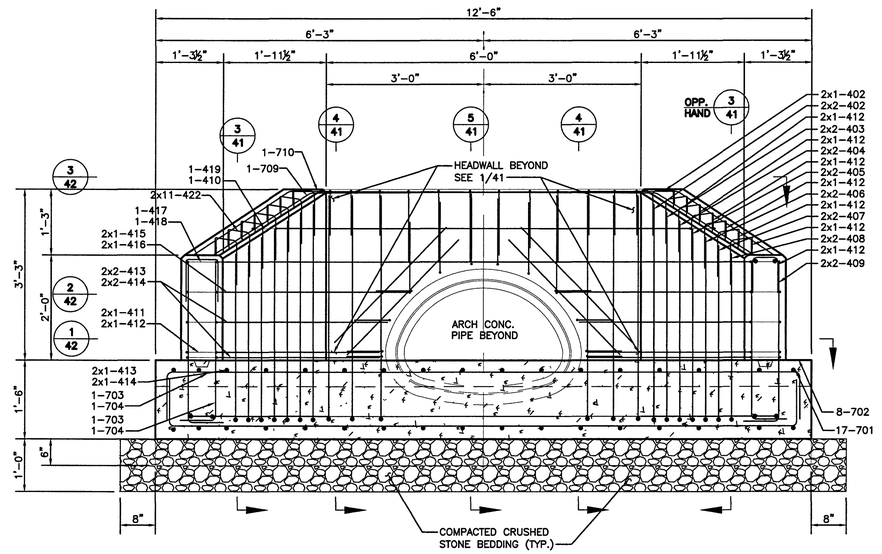
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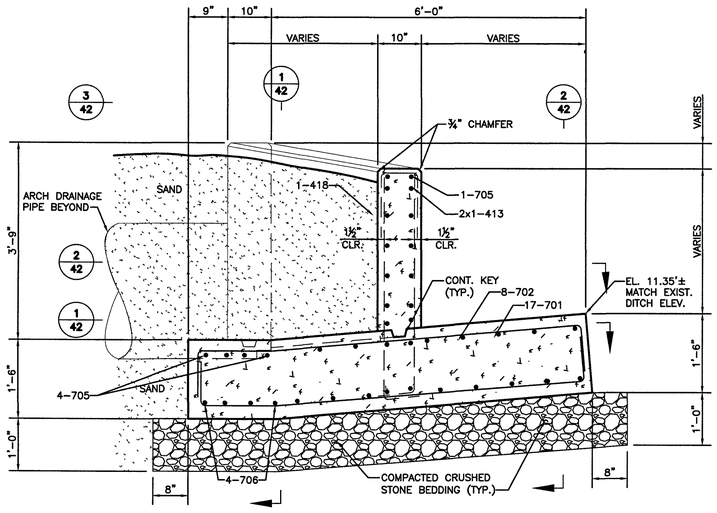
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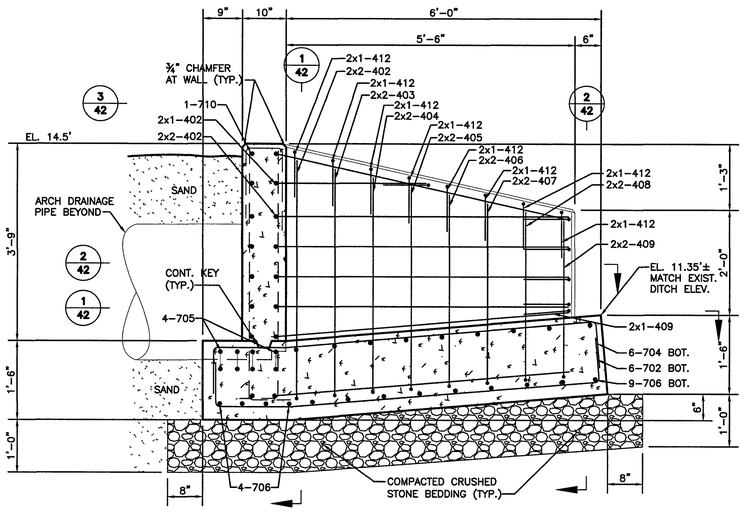
1/41 ELEVATION HEADWALL AT STATION 40+00
¾"=1'-0"



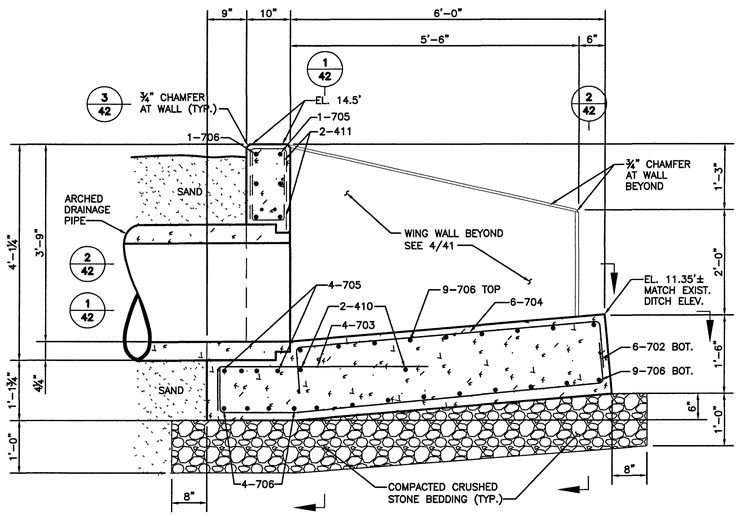
2/41 ELEVATION HEADWALL AT STATION 40+00 SIDE WALLS
¾"=1'-0"



3/41 SECTION–HEADWALL
¾"=1'-0"



4/41 SECTION–HEADWALL
¾"=1'-0"



5/41 SECTION–HEADWALL
¾"=1'-0"

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	41
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	PF / DFB
DATE SHEET	07/18/25

NO	DATE	REVISION DESCRIPTION	BY

HEADWALL HW-01 PLANS, ELEVATIONS, & DETAILS

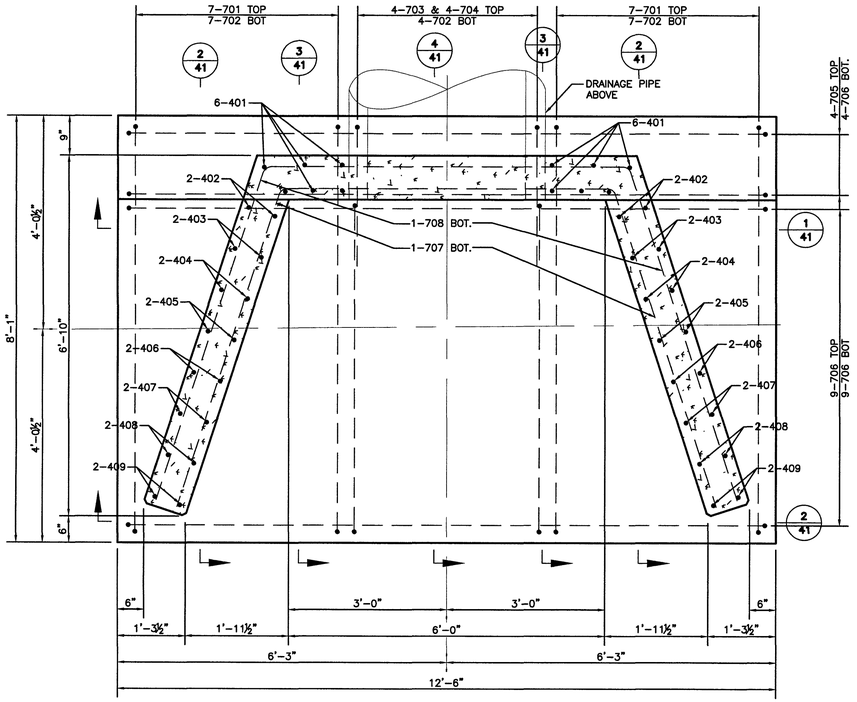
HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD

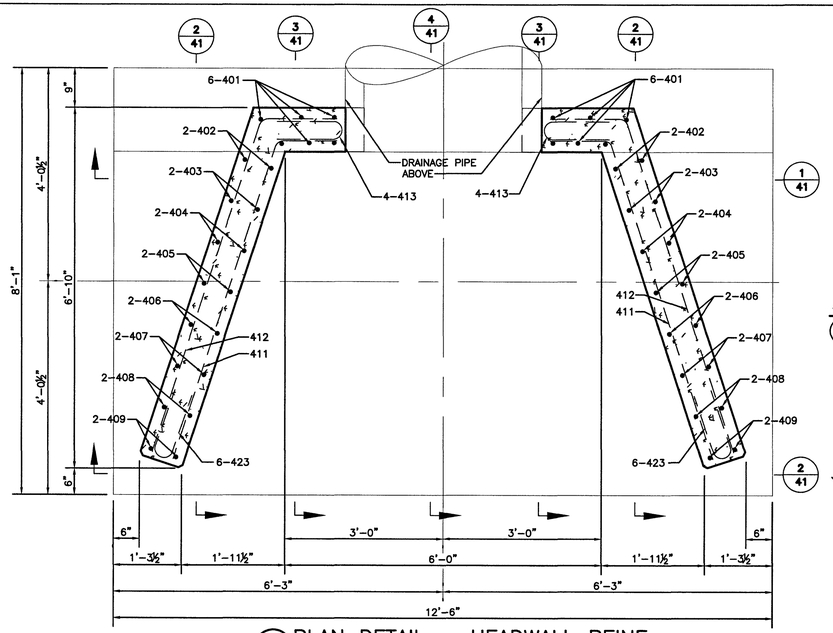
PERRIN & CARTER, INC.

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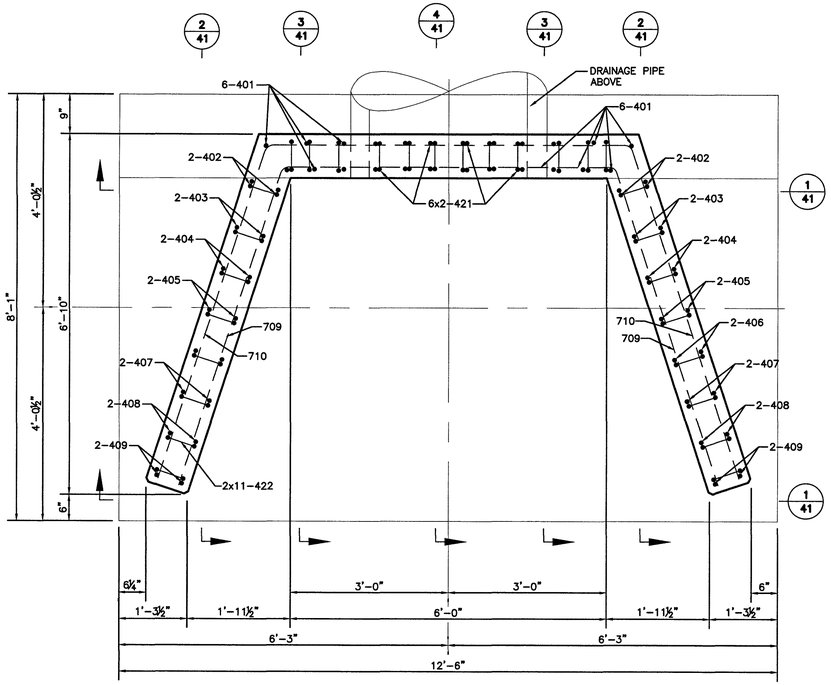
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PLAN DETAIL – HEADWALL REINF.
¾"=1'-0"



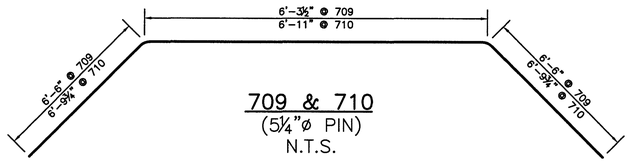
PLAN DETAIL – HEADWALL REINF.
¾"=1'-0"



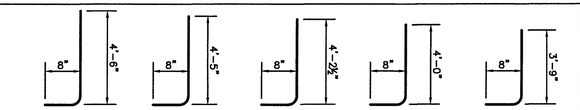
PLAN DETAIL – HEADWALL REINF.
¾"=1'-0"

ESTIMATED QUANTITIES – TYPICAL FOR HEADWALL									
BAR	SIZE	NO. REQ'D.					UNIT LENGTH	TOTAL LENGTH	LOCATION
401	#4	12					5'-2"	62'-0"	HEADWALL–VERT. BARS
402	#4	4					5'-1"	20'-4"	HEADWALL–VERT. BARS
403	#4	4					4'-10½"	19'-6"	HEADWALL–VERT. BARS
404	#4	4					4'-8"	18'-8"	HEADWALL–VERT. BARS
405	#4	4					4'-5"	17'-8"	HEADWALL–VERT. BARS
406	#4	4					4'-2½"	16'-10"	HEADWALL–VERT. BARS
407	#4	4					3'-11½"	15'-10"	HEADWALL–VERT. BARS
408	#4	4					3'-9"	15'-0"	HEADWALL–VERT. BARS
409	#4	4					3'-6½"	14'-2"	HEADWALL–VERT. BARS
410	#4	10					3'-0"	30'-0"	DIAGONAL BARS AT PIPE
411	#4	2					7'-5"	14'-10"	HEADWALL–HORZ BARS
412	#4	2					8'-0"	16'-0"	HEADWALL–HORZ BARS
413	#4	4					7'-7"	15'-2"	HEADWALL–HORZ BARS
414	#4	4					8'-2"	16'-4"	HEADWALL–HORZ BARS
415	#4	2					8'-0"	16'-0"	HEADWALL–HORZ BARS
416	#4	2					8'-7"	17'-2"	HEADWALL–HORZ BARS
417	#4	1					18'-11½"	18'-11½"	HEADWALL–HORZ BARS
418	#4	1					20'-1"	20'-1"	HEADWALL–HORZ BARS
419	#4	1					11'-7½"	11'-7½"	HEADWALL–HORZ BARS
420	#4	1					12'-5"	12'-5"	HEADWALL–HORZ BARS
421	#4	12					3'-1"	37'-0"	"U" BARS LAP W/ VERT BARS
422	#4	22					2'-1"	45'-10"	"U" BARS LAP W/ VERT BARS
423	#4	12					1'-10"	22'-0"	"U" BARS LAP W/ HORIZ BARS
TOTAL #4 BARS								**493'-5" = 329.60 LBS.**	
701	#7	14					9'-7¼"	134'-5½"	FOUNDATION BARS
702	#7	18					9'-8⅜"	174'-6¾"	FOUNDATION BARS
703	#7	4					5'-2"	20'-8"	FOUNDATION BARS
704	#7	4					7'-10"	31'-4"	FOUNDATION BARS
705	#7	4					16'-0"	64'-0"	FOUNDATION BARS
706	#7	22					14'-4"	315'-4"	FOUNDATION BARS
707	#7	1					19'-1"	19'-1"	FOUNDATION BAR SUPPORTS
708	#7	1					20'-5"	20'-5"	FOUNDATION BAR SUPPORTS
709	#7	1					19'-3½"	19'-3½"	TOP OF WALL SUPPORT BAR
710	#7	1					20'-6½"	20'-6½"	TOP OF WALL SUPPORT BAR
TOTAL #7 BARS								**819'-8 1/4" = 1,675.44 LBS.**	
TOTAL DEFORMED REINFORCING STEEL								= 2,005.04 LBS.	
TOTAL CLASS A CONCRETE								= 6.97 CU. YDS.	

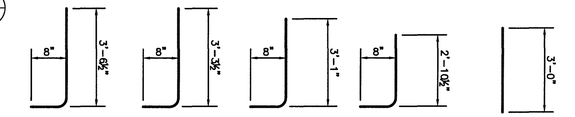
ESTIMATED QUANTITY & DETAIL NOTES:
1. PROVIDE 2'-0" MIN. SPLICE LAP OF #4 BARS WHERE REQUIRED.
2. QUANTITIES SHOWN ARE FOR HEADWALL ONLY.
3. THE ESTIMATED QUANTITIES AND DETAILS ON THIS SHEET ARE APPROXIMATED TO AID BIDDER. BIDDERS & DETAILERS SHALL VERIFY ALL QUANTITIES AND DETAILS.



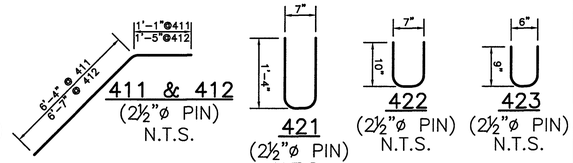
709 & 710
(5¼"ø PIN)
N.T.S.



401 N.T.S. (2½"ø PIN)
402 N.T.S. (2½"ø PIN)
403 N.T.S. (2½"ø PIN)
404 N.T.S. (2½"ø PIN)
405 N.T.S. (2½"ø PIN)



406 N.T.S. (2½"ø PIN)
407 N.T.S. (2½"ø PIN)
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410 N.T.S.

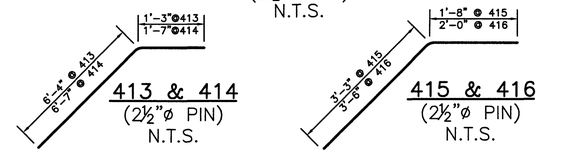


411 & 412
(2½"ø PIN)
N.T.S.

421
(2½"ø PIN)
N.T.S.

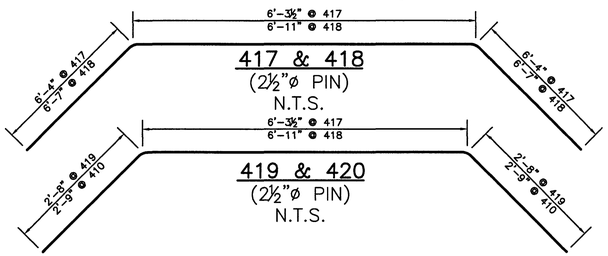
422
(2½"ø PIN)
N.T.S.

423
(2½"ø PIN)
N.T.S.



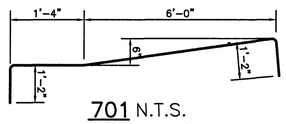
413 & 414
(2½"ø PIN)
N.T.S.

415 & 416
(2½"ø PIN)
N.T.S.

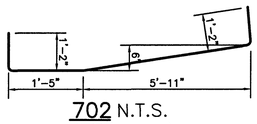


417 & 418
(2½"ø PIN)
N.T.S.

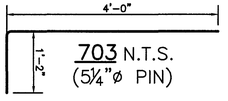
419 & 420
(2½"ø PIN)
N.T.S.



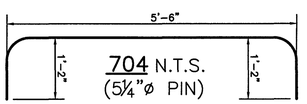
701 N.T.S.
(5¼"ø PIN)



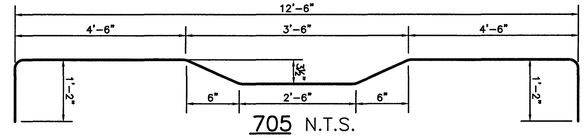
702 N.T.S.
(5¼"ø PIN)



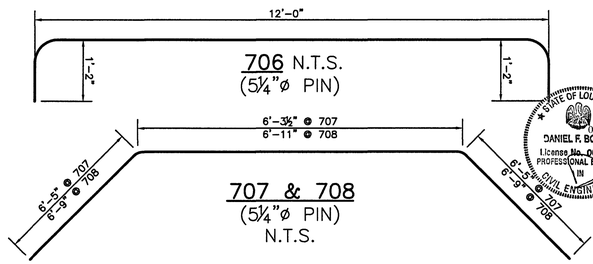
703 N.T.S.
(5¼"ø PIN)



704 N.T.S.
(5¼"ø PIN)



705 N.T.S.
(5¼"ø PIN)



706 N.T.S.
(5¼"ø PIN)

707 & 708
(5¼"ø PIN)
N.T.S.

STATE OF LOUISIANA
07/18/2025
DANIEL R. BOBECK
License No. 00386-40
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	42
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC DFB
CHECKED	
DETAILED	MAC DFB
CHECKED	
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY

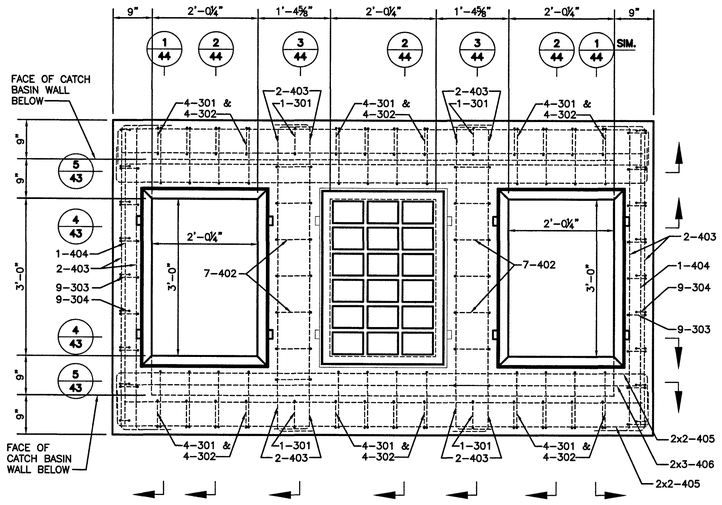
HEADWALL HW-01 PLANS, ELEVATIONS, & DETAILS

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

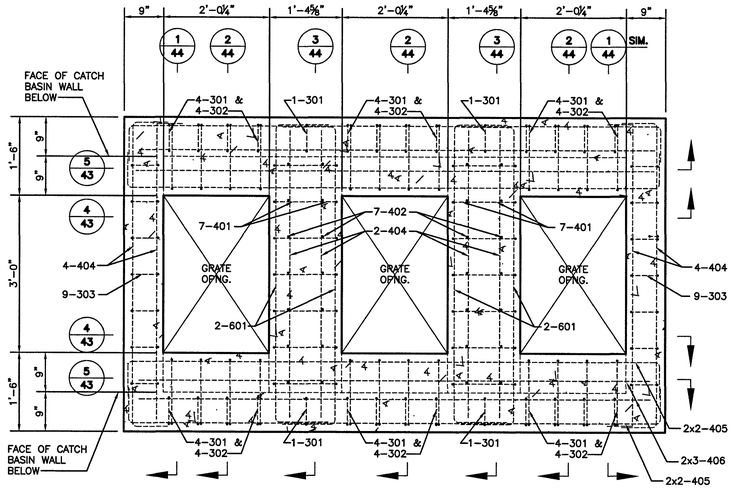
DOTD
PERRIN & CARTER, INC.

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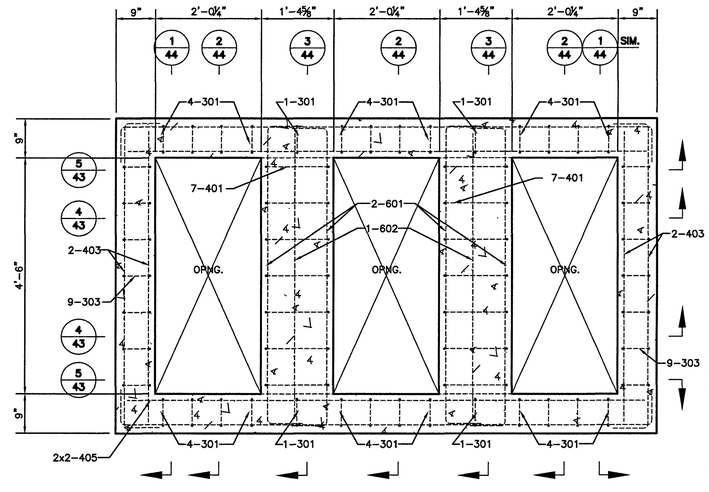
07/23/2025 15:00



1/43 PLAN DETAIL – CB–08MD TOP SLAB
REINFORCING AT TOP SURFACE SCALE: 3/4"=1'-0"

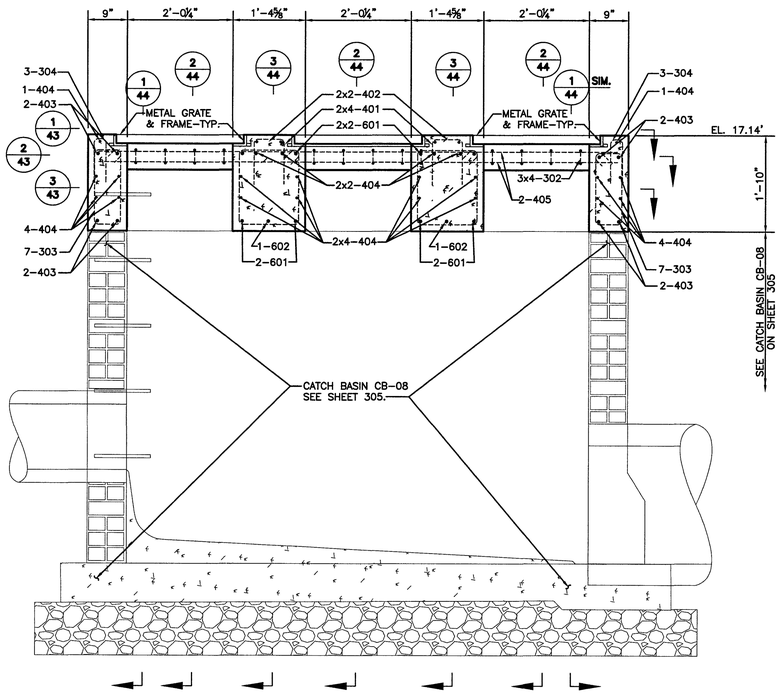


2/43 PLAN DETAIL – CB–08MD TOP SLAB
REINFORCING AT TOP SURFACE SCALE: 3/4"=1'-0"

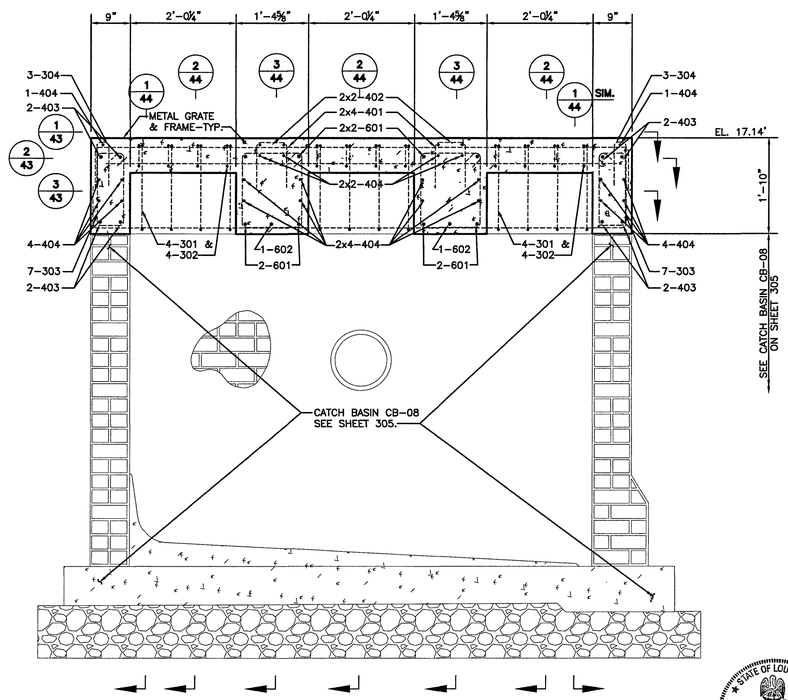


3/43 PLAN DETAIL – CB–08MD TOP SLAB
REINFORCING AT BOTTOM OF TOP SLAB SCALE: 3/4"=1'-0"

NOTES:
1. DIMENSIONS RELATING TO REINF. STEEL ARE TO BAR CENTERS.
2. #4 BARS B MAY BE SPLICED; SPLICE LENGTH = 35 DIAM.
3. FOR DETAIL OF CONST. JOINT, SEE STD. PLAN CM–49.
4. METAL GRATE: THE METAL GRATE FOR THIS CB–08MD SHALL BE THE SAME TYPE SPECIFIED FOR CATCH BASIN CB–01; SEE SHEET 303. FOR DETAILS AND DIMENSIONS OF GRATE & SEAT, SEE STD. PLAN MC–01 (TYPE B OR C). SEE PLANS FOR GRATE TYPE TO BE USED FOR EACH CATCH BASIN.
   STD. PLAN MC–01 MAY BE OBTAINED FROM:
   HYDRAULICS & STANDARD PLANS
   DEPT. OF TRANSPORTION AND DEVELOPMENT
   P.O. BOX 43244 CAPITAL STATION
   BATON ROUGE, LA 70804
   WEB SITE: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Standard_Plans/Standard%20Plans/Standard%20Plans/MC–01(SHEET%201)%20(04–06–2012).pdf



4/43 SECTION – CB–08MD TOP SLAB
SCALE: 3/4"=1'-0"



5/43 SECTION – CB–08MD TOP SLAB
SCALE: 3/4"=1'-0"

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 43

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MAC	DFB	MAC	DFB	07/18/25	

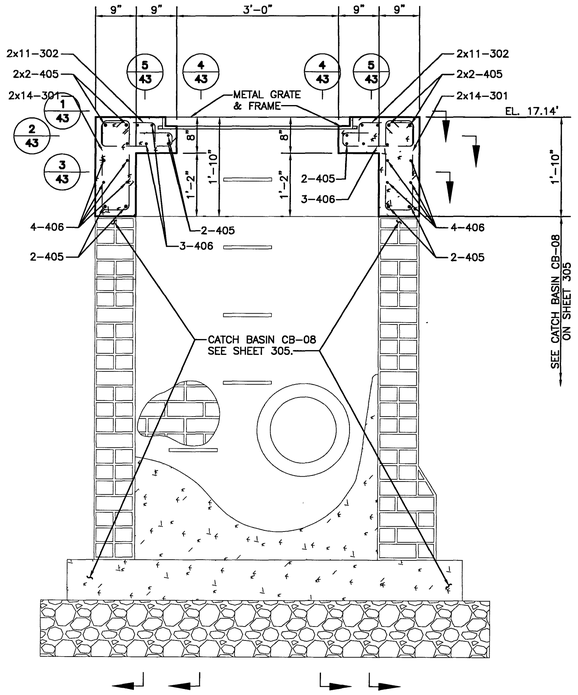
NO	DATE	REVISION DESCRIPTION	BY

CATCH BASIN JP CB–08MD
TOP SLAB PLANS,
ELEVATIONS, & DETAILS

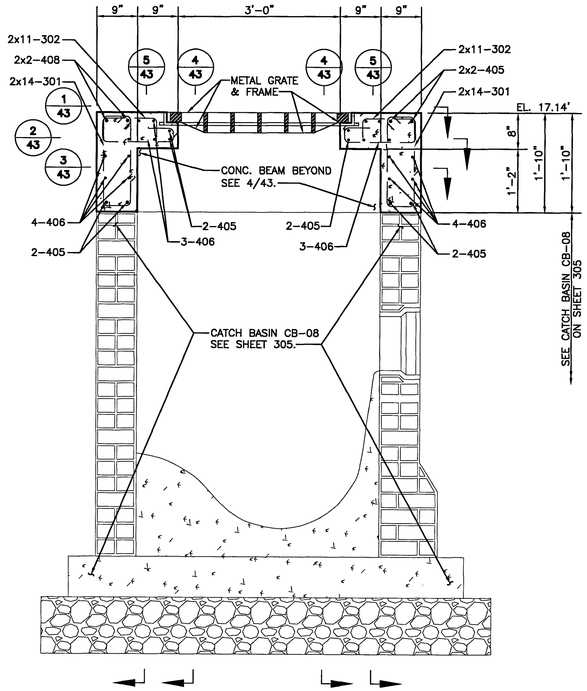
HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD
PERRIN & CARTER, INC.

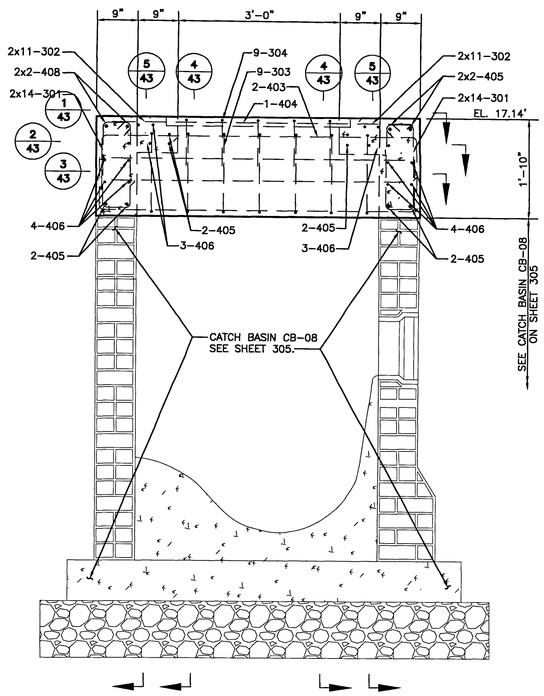
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1 / 44 SECTION – CB-08MD TOP SLAB
SCALE: 3/4"=1'-0"



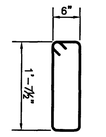
2 / 44 SECTION – CB-08MD TOP SLAB
SCALE: 3/4"=1'-0"



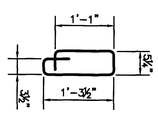
3 / 44 SECTION – CB-08MD TOP SLAB AT BEAM
SCALE: 3/4"=1'-0"

ESTIMATED QUANTITIES – CD-08MD TOP SLAB									
BAR	SIZE	NO. REQ'D.					UNIT LENGTH	TOTAL LENGTH	LOCATION
301	#3	28					4'-7½"	129'-6"	PERIMETER BEAM STIRRUPS
302	#3	24					3'-8½"	89'-0"	PERIMETER SLAB STIRRUPS
303	#3	18					4'-1½"	74'-3"	PERIMETER BEAM STIRRUPS
304	#3	18					1'-10"	33'-0"	PERIMETER BEAM "U"-BARS
TOTAL #3 BARS								325'-9" = 122.50 LBS.	
401	#4	14					5'-6½"	77'-7"	INTERMEDIATE BEAM STIRRUPS
402	#4	14					2'-3½"	32'-1"	INTERMEDIATE BEAM "U"-BARS
403	#4	8					7'-0¼"	56'-2"	PERIMETER BEAM LONGITUDINAL
404	#4	8					5'-9"	46'-0"	PERIMETER BEAM LONGITUDINAL
405	#4	12					11'-4¾"	136'-3"	PERIMETER BEAM LONGITUDINAL
406	#4	14					10'-1"	141'-2"	PERIMETER BEAM LONGITUDINAL
TOTAL #4 BARS								489'-3" = 326.82 LBS.	
601	#6	8					7'-8¾"	61'-6"	TOP & BOTTOM BEAM BARS
602	#6	2					5'-9"	11'-6"	MIDDLE BOTTOM BEAM BAR
TOTAL #6 BARS								73'-0" = 109.65 LBS.	
TOTAL DEFORMED REINFORCING STEEL = 558.97 LBS.									
TOTAL CLASS A1 CONCRETE = 2.58 CU. YDS.									

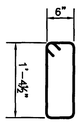
ESTIMATED QUANTITY NOTES:
1. PROVIDE 2'-0" MIN. SPLICE LAP OF #4 BARS WHERE REQUIRED.
2. QUANTITIES SHOWN ARE FOR HEADWALLS ONLY.
3. THE ESTIMATED QUANTITIES AND DETAILS ON THIS SHEET ARE APPROXIMATED TO AID BIDDER. BIDDER SHALL VERIFY ALL QUANTITIES AND DETAILS PRIOR TO SUBMITTING PROPOSAL.



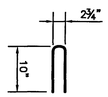
301
(1½"ø PIN)
N.T.S.



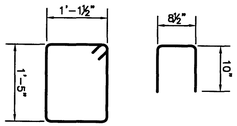
302
(1½"ø PIN)
N.T.S.



303
(1½"ø PIN)
N.T.S.

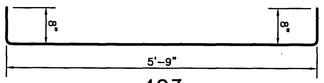


304
(1½"ø PIN)
N.T.S.

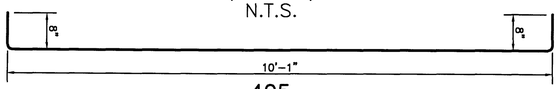


401
(2"ø PIN)
N.T.S.

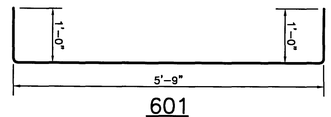
402
(2"ø PIN)
N.T.S.



403
(3"ø PIN)
N.T.S.



405
(3"ø PIN)
N.T.S.



601
(4½"ø PIN)
N.T.S.

STATE OF LOUISIANA
07/30/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

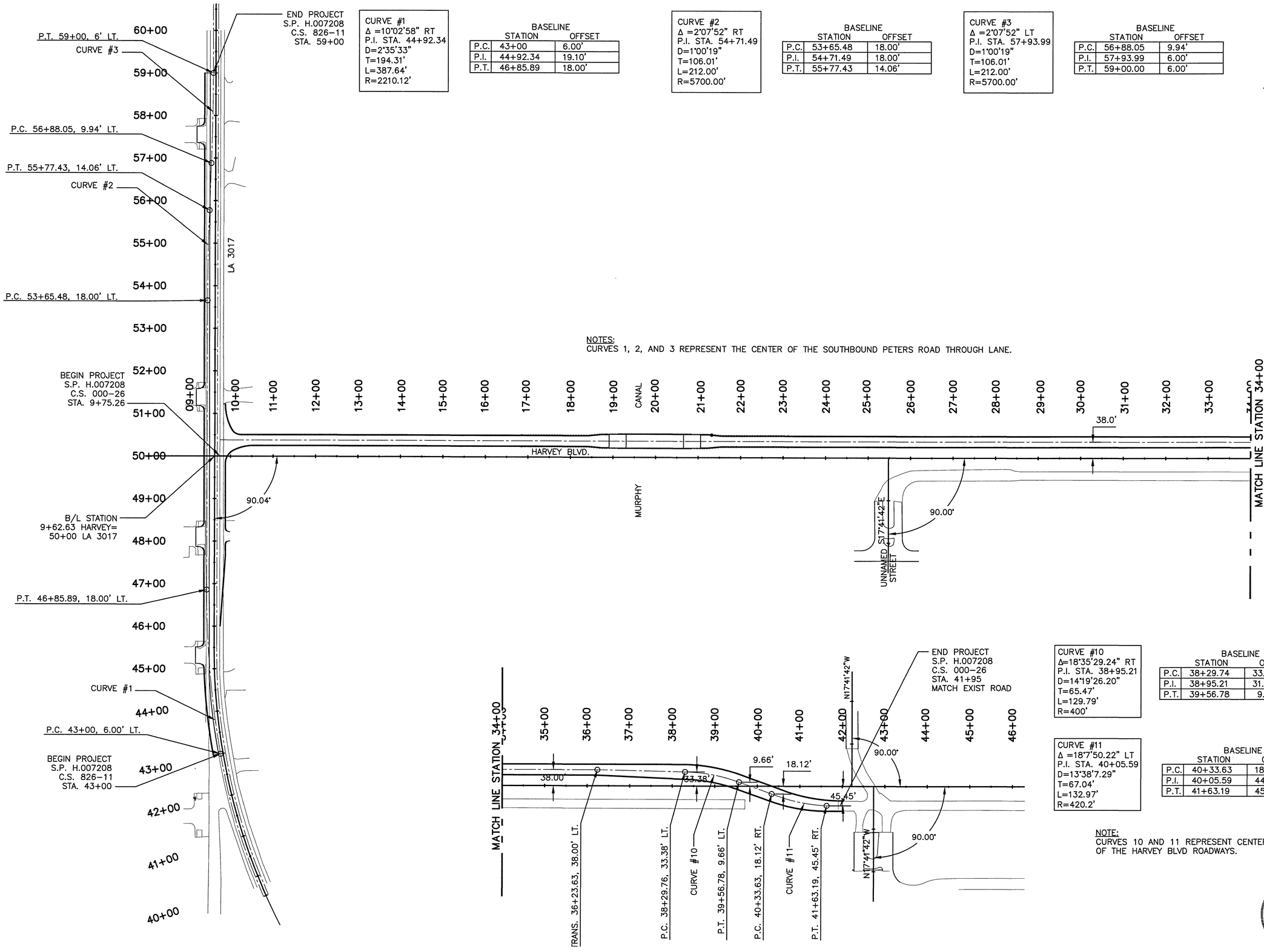
SHEET NUMBER	44
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

NO. | DATE | REVISION DESCRIPTION | BY

CATCH BASIN JP CB-08MD
TOP SLAB PLANS,
ELEVATIONS, & DETAILS
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD
PERRIN & CARTER, INC.

Drawing Path: C:\Users\Daniel Bobeck\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 44 CB-08MD Top Slab.dwg 07.30.2025 13:49:42
07/30/2025 13:49



CURVE #1
Δ =10°02'58" RT
P.I. STA. 44+92.34
D=2°35'33"
T=194.31'
L=387.64'
R=2210.12'

BASELINE		
	STATION	OFFSET
P.C.	43+00	6.00'
P.I.	44+92.34	19.10'
P.T.	46+85.89	18.00'

CURVE #2
Δ =2°07'52" RT
P.I. STA. 54+71.49
D=1°00'19"
T=106.01'
L=212.00'
R=5700.00'

BASELINE		
	STATION	OFFSET
P.C.	53+65.48	18.00'
P.I.	54+71.49	18.00'
P.T.	55+77.43	14.06'

CURVE #3
Δ =2°07'52" LT
P.I. STA. 57+93.99
D=1°00'19"
T=106.01'
L=212.00'
R=5700.00'

BASELINE		
	STATION	OFFSET
P.C.	56+88.05	9.94'
P.I.	57+93.99	6.00'
P.T.	59+00.00	6.00'

SCALE : 1"=100'

NOTES:
CURVES 1, 2, AND 3 REPRESENT THE CENTER OF THE SOUTHBOUND PETERS ROAD THROUGH LANE.

CURVE #10
Δ=18°35'29.24" RT
P.I. STA. 38+95.21
D=14°19'26.20"
T=65.47'
L=129.79'
R=400'

BASELINE		
	STATION	OFFSET
P.C.	38+29.74	33.38'
P.I.	38+95.21	31.92'
P.T.	39+56.78	9.66'

CURVE #11
Δ =18°7'50.22" LT
P.I. STA. 40+05.59
D=13°38'7.29"
T=67.04'
L=132.97'
R=420.2'

BASELINE		
	STATION	OFFSET
P.C.	40+33.63	18.12'
P.I.	40+05.59	44.13'
P.T.	41+63.19	45.45'

NOTE:
CURVES 10 AND 11 REPRESENT CENTERLINES OF THE HARVEY BLVD ROADWAYS.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 45

PARISH: JEFFERSON
CONTROL SECTION: 000-26, 826-11
STATE PROJECT: H.007208

DESIGNED: MAC
DETAILED: DFB
CHECKED: MAC
CHECKED: DFB
DATE: 07/18/25
SHEET

NO. | DATE | REVISION DESCRIPTION | BY

GEOMETRIC PLAN

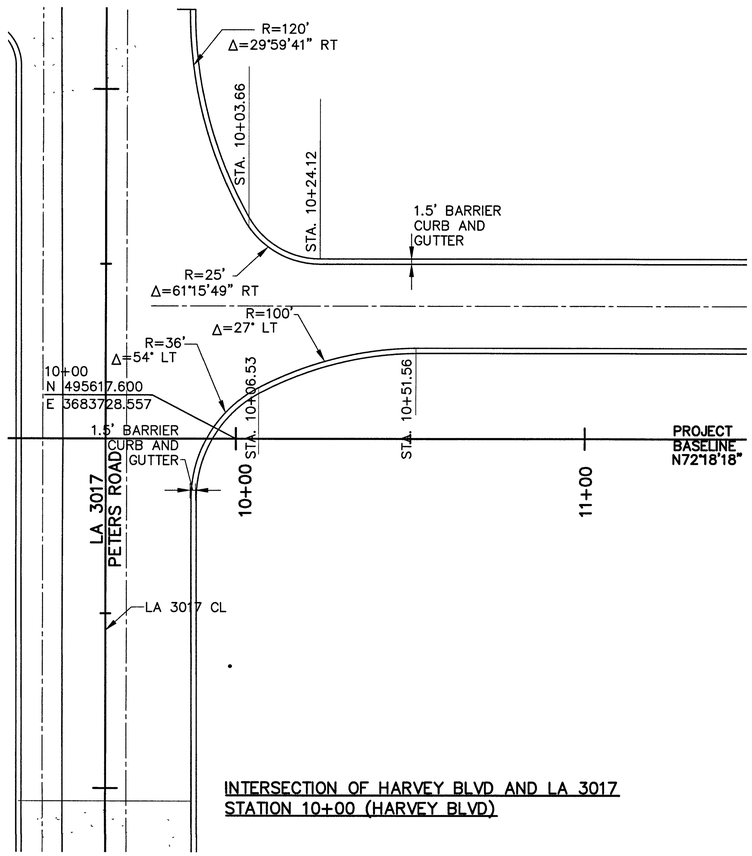
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

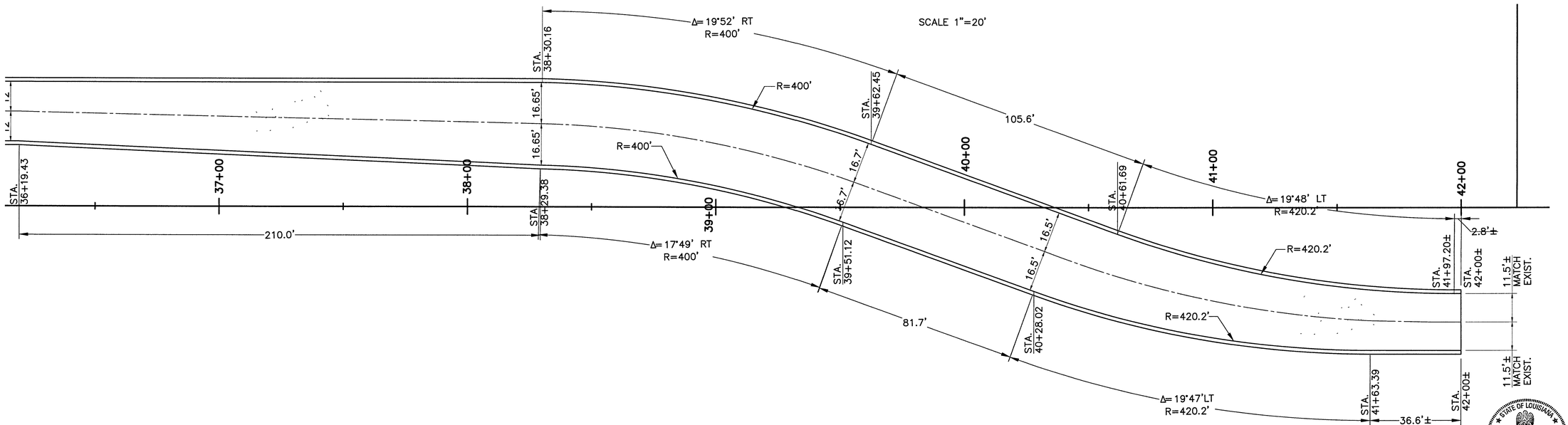
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Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 45.dwg 07.23.2025 15:06:14



INTERSECTION OF HARVEY BLVD AND LA 3017
STATION 10+00 (HARVEY BLVD)

SCALE : 1"=20'



LANE TRANSITION STATION 40+00
SCALE 1"=20'

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	46
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

NO.	REVISION DESCRIPTION	DATE	BY

DETAILS OF TRANSITION AT PROJECT END

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 47.dwg 07.23.2025 15:08:33

07/23/2025 15:08

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 51.dwg 07.23.2025 15:10:06
07/23/2025 15:10

SCALE : 1"=20'

DESIGNED	MAC	PARISH	JEFFERSON
CHECKED	DFB		
DETAILED	MAC	CONTROL SECTION	000-26
CHECKED	DFB		
DATE	07/18/25	STATE PROJECT	H.007208
SHEET			

SHEET NUMBER 51

NO.	DATE	REVISION DESCRIPTION	BY

HARVEY BLVD. LANE TRANSITION NEAR JUPITER STREET
SCALE 1"=20'

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

GRAPHICAL LAYOUT

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

LEGEND

1. WHITE PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)
2. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 WHITE/RED)
3. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (4" WIDTH)
4. WHITE PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (4" WIDTH)
5. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (8" WIDTH)
6. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 YELLOW/YELLOW)
7. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (24" WIDTH)
8. WHITE PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (24" WIDTH)
9. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE BROKEN LINE) (4" WIDTH)
10. YELLOW PLASTIC PAVEMENT STRIPING (DOUBLE SOLID LINES) (EACH 4" WIDTH)
11. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (8" WIDTH)
12. WHITE PLASTIC PAVEMENT STRIPING (SINGLE BROKEN LINE) (4" WIDTH)

SCALE : 1"=50'

BEGIN PROJECT
S.P. H.007208
C.S. 000-26
STA 10+85.26

LA 3017

ONLY

8 STA 10+00.25

100.0'

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00

HARVEY BLVD.

SURVEY BASELINE
N82°19'19.0"E

8 STA. 49+85.81
LA 3017

MATCH LINE STATION 23+00

23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00

MATCH LINE STATION 23+00

HARVEY BLVD.

SURVEY BASELINE
N82°19'19.0"E

MATCH LINE STATION 36+00

SHEET NUMBER	52
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO	DATE	BY	REVISION DESCRIPTION

PAVEMENT MARKING LAYOUT

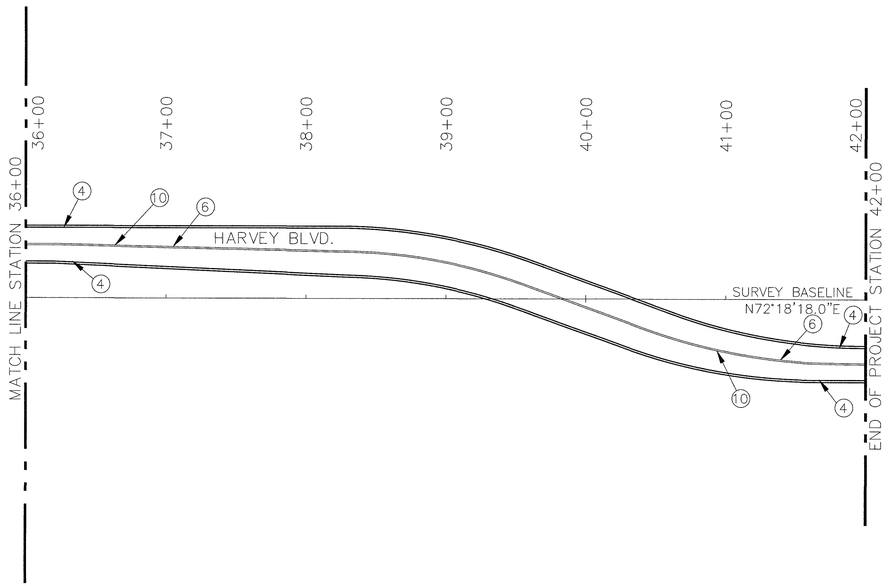
HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

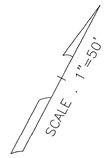
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07/23/2025 15:12



LEGEND

1. WHITE PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)
2. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 WHITE/RED)
3. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (4" WIDTH)
4. WHITE PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (4" WIDTH)
5. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (8" WIDTH)
6. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 YELLOW/YELLOW)
7. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (24" WIDTH)
8. WHITE PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (24" WIDTH)
9. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE BROKEN LINE) (4" WIDTH)
10. YELLOW PLASTIC PAVEMENT STRIPING (DOUBLE SOLID LINES) (EACH 4" WIDTH)
11. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (8" WIDTH)
12. WHITE PLASTIC PAVEMENT STRIPING (SINGLE BROKEN LINE) (4" WIDTH)



STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
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SHEET NUMBER	53
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO	DATE	REVISION DESCRIPTION	BY

DOTD

PERRIN & CARTER, INC

PAVEMENT MARKING LAYOUT

HARVEY BLVD EXT (PETERS RD-MANHATTAN)

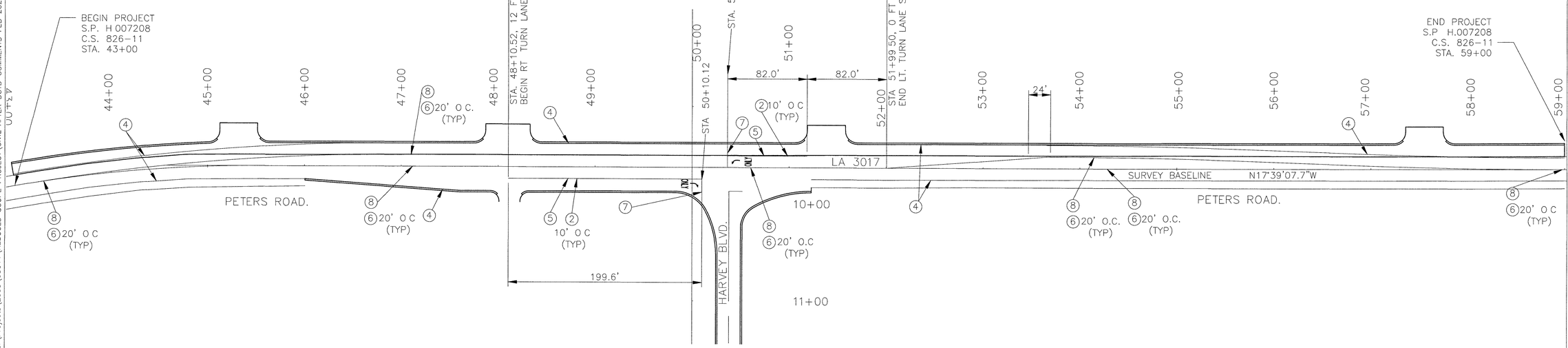
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Drawing Path C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 53.dwg 07 23 2025 15 14 34
07/23/2025 15:14

LEGEND

1. WHITE PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)
2. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4280 WHITE/RED)
3. YELLOW PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
4. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
5. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (8" WIDTH)
6. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4280 YELLOW/YELLOW)
7. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (24" WIDTH)
8. DOUBLE YELLOW PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)

SCALE : 1"=50'



SHEET NUMBER	54		
PARISH	JEFFERSON		
CONTROL SECTION	826-11		
STATE PROJECT	H.007208		
DESIGNED / CHECKED	MAC / DFB		
DETAILED / CHECKED	MAC / DFB		
DATE / SHEET	07/18/25		

NO	REVISION DESCRIPTION	BY	DATE

PAVEMENT MARKING LAYOUT

HARVEY BLVD EXT (PETERS RD-MANHATTAN)

PERRIN & CARTER, INC

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 00386-40
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

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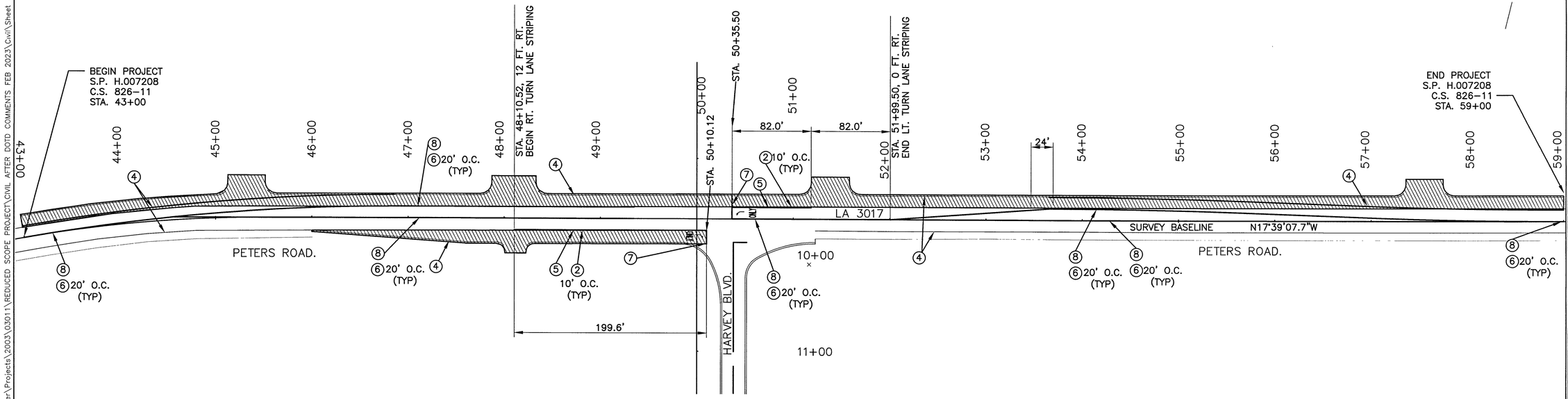
CONSTRUCTION SEQUENCE GUIDELINES – PETERS ROAD

1 A NEW SOUTHBOUND LANE SHALL BE CONSTRUCTED ON THE OUTSIDE OF THE EXISTING SOUTHBOUND LANE ALONG PETERS ROAD BETWEEN STATION 43+00 AND STATION 54+00 AND A NEW NORTHBOUND TURNING LANE BETWEEN STATION 46+00 AND 50+10.12 SHALL BE CONSTRUCTED ON THE OUTSIDE OF THE EXISTING NORTHBOUND LANE.
THE CONSTRUCTION SHALL REQUIRE THAT ONE LANE IN THE DIRECTION OF THE LANE TO BE WIDENED SHALL BE REQUIRED TO BE CLOSED. THIS MEANS DURING CONSTRUCTION OF EACH NEW OUTSIDE LANE THAT ONLY ONE LANE WILL OPERATE FOR BOTH NORTH AND SOUTH TRAFFIC. THIS WILL NECESSITATE THAT THE TWO WAY TRAFFIC SHALL NEED TO BE CONTROLLED PER THE TEMPORARY TRAFFIC CONTROL LAYOUT FOR LANE CLOSURES ON TWO LANE ROADS WITH TWO-WAY TRAFFIC FLAGGING OPERATIONS PER DRAWING TTC-04.
THE LANES TO BE WIDENED ARE HATCHED ON THE PLAN BELOW.
TRAFFIC CONTROL SIGNAGE, BARRICADES, CHANNELING DEVICES SHOWN ON TTC-04 ARE THE MINIMUM SIGNAGE AND DEVICES THAT SHALL BE REQUIRED TO CONTROL THE TRAFFIC WITH TWO FLAG MEN.
CONTRACTOR SHALL NOTIFY THE ENGINEER IN ADVANCE OF WHEN LANE CLOSURES SHALL BE REQUIRED. THIS WILL ALLOW JEFFERSON PARISH TIME TO ALERT THE PUBLIC THROUGH THE NEWS MEDIA AS WELL AS THEIR WEBSITE OF THE LANE CLOSURE TIMES AND WHEN TRAFFIC CONTROLLED PER THE FLAGMAN OPERATIONS DESCRIBED ON TTC-04 SHALL OCCUR.

LEGEND

1. WHITE PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)
2. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4280 WHITE/RED)
3. YELLOW PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
4. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
5. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (8" WIDTH)
6. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4280 YELLOW/YELLOW)
7. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (24" WIDTH)
8. DOUBLE YELLOW PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)

SCALE : 1"=50'



SHEET NUMBER	55
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED	MAC
CHECKED	DFB
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	.

NO	DATE	REVISION DESCRIPTION	BY
D	09/10/25	REVISED NOTES TO REMOVE REFERENCE TO WORK TIMES	MAC

CONSTRUCTION SEQUENCE GUIDELINES

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC

STATE OF LOUISIANA
08/11/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

Drawing Path C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 55_recover.dwg 09.10.2025 15:44:47

09/10/2025 15:44

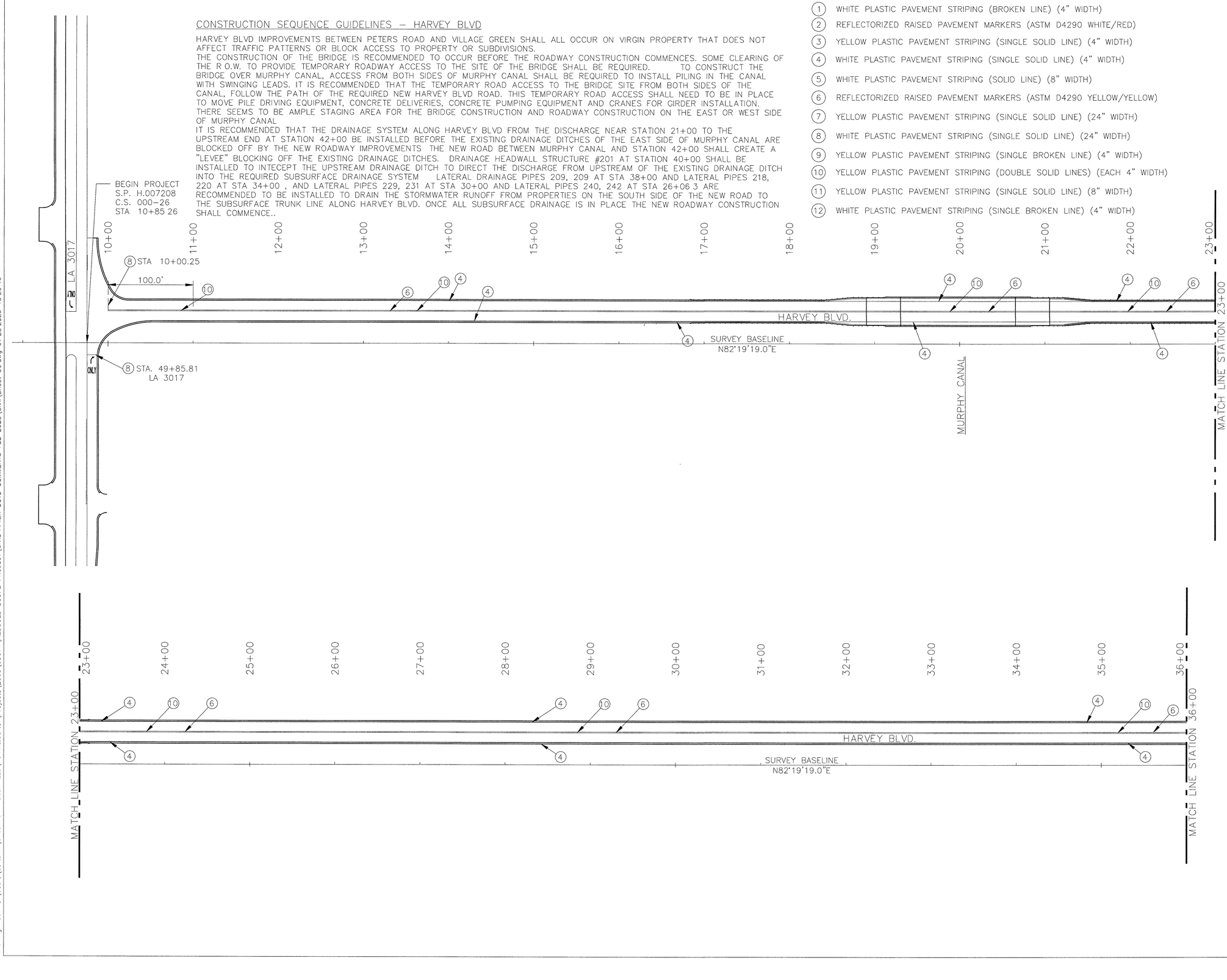
CONSTRUCTION SEQUENCE GUIDELINES – HARVEY BLVD

HARVEY BLVD IMPROVEMENTS BETWEEN PETERS ROAD AND VILLAGE GREEN SHALL ALL OCCUR ON VIRGIN PROPERTY THAT DOES NOT AFFECT TRAFFIC PATTERNS OR BLOCK ACCESS TO PROPERTY OR SUBDIVISIONS.
THE CONSTRUCTION OF THE BRIDGE IS RECOMMENDED TO OCCUR BEFORE THE ROADWAY CONSTRUCTION COMMENCES. SOME CLEARING OF THE R.O.W. TO PROVIDE TEMPORARY ROADWAY ACCESS TO THE SITE OF THE BRIDGE SHALL BE REQUIRED. TO CONSTRUCT THE BRIDGE OVER MURPHY CANAL, ACCESS FROM BOTH SIDES OF MURPHY CANAL SHALL BE REQUIRED TO INSTALL PILING IN THE CANAL WITH SWINGING LEADS. IT IS RECOMMENDED THAT THE TEMPORARY ROAD ACCESS TO THE BRIDGE SITE FROM BOTH SIDES OF THE CANAL, FOLLOW THE PATH OF THE REQUIRED NEW HARVEY BLVD ROAD. THIS TEMPORARY ROAD ACCESS SHALL NEED TO BE IN PLACE TO MOVE PILE DRIVING EQUIPMENT, CONCRETE DELIVERIES, CONCRETE PUMPING EQUIPMENT AND CRANES FOR GIRDER INSTALLATION.
THERE SEEMS TO BE AMPLE STAGING AREA FOR THE BRIDGE CONSTRUCTION AND ROADWAY CONSTRUCTION ON THE EAST OR WEST SIDE OF MURPHY CANAL
IT IS RECOMMENDED THAT THE DRAINAGE SYSTEM ALONG HARVEY BLVD FROM THE DISCHARGE NEAR STATION 21+00 TO THE UPSTREAM END AT STATION 42+00 BE INSTALLED BEFORE THE EXISTING DRAINAGE DITCHES OF THE EAST SIDE OF MURPHY CANAL ARE BLOCKED OFF BY THE NEW ROADWAY IMPROVEMENTS THE NEW ROAD BETWEEN MURPHY CANAL AND STATION 42+00 SHALL CREATE A "LEVEE" BLOCKING OFF THE EXISTING DRAINAGE DITCHES. DRAINAGE HEADWALL STRUCTURE #201 AT STATION 40+00 SHALL BE INSTALLED TO INTECEPT THE UPSTREAM DRAINAGE DITCH TO DIRECT THE DISCHARGE FROM UPSTREAM OF THE EXISTING DRAINAGE DITCH INTO THE REQUIRED SUBSURFACE DRAINAGE SYSTEM LATERAL DRAINAGE PIPES 209, 209 AT STA 38+00 AND LATERAL PIPES 218, 220 AT STA 34+00 , AND LATERAL PIPES 229, 231 AT STA 30+00 AND LATERAL PIPES 240, 242 AT STA 26+06.3 ARE RECOMMENDED TO BE INSTALLED TO DRAIN THE STORMWATER RUNOFF FROM PROPERTIES ON THE SOUTH SIDE OF THE NEW ROAD TO THE SUBSURFACE TRUNK LINE ALONG HARVEY BLVD. ONCE ALL SUBSURFACE DRAINAGE IS IN PLACE THE NEW ROADWAY CONSTRUCTION SHALL COMMENCE..

LEGEND

1. WHITE PLASTIC PAVEMENT STRIPING (BROKEN LINE) (4" WIDTH)
2. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 WHITE/RED)
3. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (4" WIDTH)
4. WHITE PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (4" WIDTH)
5. WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (8" WIDTH)
6. REFLECTORIZED RAISED PAVEMENT MARKERS (ASTM D4290 YELLOW/YELLOW)
7. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (24" WIDTH)
8. WHITE PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (24" WIDTH)
9. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE BROKEN LINE) (4" WIDTH)
10. YELLOW PLASTIC PAVEMENT STRIPING (DOUBLE SOLID LINES) (EACH 4" WIDTH)
11. YELLOW PLASTIC PAVEMENT STRIPING (SINGLE SOLID LINE) (8" WIDTH)
12. WHITE PLASTIC PAVEMENT STRIPING (SINGLE BROKEN LINE) (4" WIDTH)

SCALE : 1"=50'



SHEET NUMBER	56
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

REVISION DESCRIPTION — NO — DATE — BY

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

CONSTRUCTION SEQUENCE GUIDELINES

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC

07/23/2025 15:29

Drawing Path C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 56.dwg 07.23.2025 15.29.46

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\Electrical\LATEST-REVISED START Reduced Scope Electrical\Harvey Blvd. Lighting E1.dwg 07.24.2025 09:11:00 07/24/2025 09:11

GENERAL REQUIREMENTS:

SCOPE OF WORK:
THE WORK COVERED BY THIS SECTION SHALL INCLUDE FURNISHING, INSTALLING, AND PLACING INTO SATISFACTORY OPERATING CONDITION NEW EQUIPMENT FOR A LIGHTING SYSTEM ALONG HARVEY BLVD IN JEFFERSON PARISH, LA, AS INDICATED IN THE PLANS, PLAN DETAILS, SPECIFICATIONS, OR AS DIRECTED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL MAKE ANY NECESSARY MODIFICATIONS OR FABRICATIONS REQUIRED FOR A COMPLETE, OPERATIONAL, AND SAFE LIGHTING SYSTEM. EVERY FITTING, MINOR DETAIL, OR FEATURE MAY NOT BE SHOWN OR DESCRIBED. THE CONTRACTOR PERFORMING THE WORK IS ASSUMED TO BE SKILLED IN THE TRADE, CAPABLE OF UNDERSTANDING THE INTENT OF THE PLANS AND SPECIFICATIONS, AND CONSTRUCTING THE LIGHTING SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.

A. PLANS AND SPECIFICATIONS
THESE PLANS AND SPECIFICATIONS ARE ESSENTIAL TO THE 2016 EDITION OF "LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES" (HEREINAFTER CALLED THE STANDARD SPECIFICATIONS), APPLICABLE CODES, MANUFACTURER'S INSTRUCTIONS AND BEST PREVAILING CONSTRUCTION TRADE PRACTICES. REFER TO 105.04 OF THE STANDARD SPECIFICATIONS FOR COORDINATION AND PRECEDENCE OF CONTRACT DOCUMENTS. THE SPECIFICATIONS AND PLANS DO NOT NECESSARILY INCLUDE OR DEFINE EVERYTHING REQUIRED FOR A COMPLETE, OPERATING, AND SAFE LIGHTING SYSTEM. THE CONTRACTOR IS EXPECTED TO POSSESS SUFFICIENT EXPERIENCE AND TECHNICAL KNOWLEDGE TO COMPLETE THE WORK IN A SAFE MANNER.

B. EQUIPMENT AND MATERIALS
EQUIPMENT AND MATERIALS SHALL BE SHALL BE IN ACCORDANCE TO SECTION 822.04, "EQUIPMENT AND MATERIALS" OF THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS.

C. EXISTING CONDITIONS
THE CONTRACTOR SHALL VISIT THE CONSTRUCTION SITE TO DETERMINE EXISTING CONDITIONS AND ALLOW FOR SUCH CONDITIONS WHEN COMPUTING THE BID. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE AND SURROUNDING AREA FOR EVIDENCE OF UNDERGROUND FACILITIES AND CONTACT COMPANIES OR AGENCIES LIKELY TO HAVE UNDERGROUND FACILITIES IN THE VICINITY OF THE PROJECT BEFORE DIGGING OR TRENCHING. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO EXISTING UNDERGROUND FACILITIES CAUSED BY CONTRACTOR OPERATIONS. WHEN NEW EQUIPMENT IS INSTALLED REPLACING EXISTING EQUIPMENT, THE EXISTING EQUIPMENT AND MATERIAL SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AS DIRECTED BY THE PROJECT ENGINEER, AND/OR IN THE FOLLOWING MANNER: ANY MATERIAL AND EQUIPMENT REMOVED THAT IS DECLARED SALVAGEABLE BY THE PROJECT ENGINEER SHALL REMAIN PROPERTY OF JEFFERSON PARISH, BE DELIVERED TO AND STORED AT A LOCATION AS DIRECTED BY THE PROJECT ENGINEER. NOTE: IF THE PROJECT ENGINEER DETERMINES THAT CERTAIN EQUIPMENT IS TO REMAIN, THE PROJECT ENGINEER SHALL INSTRUCT THE CONTRACTOR ON THE SPECIFICS REGARDING HOW THE SPECIFIC EQUIPMENT IS TO BE HANDLED. ALL REMAINING MATERIAL AND EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR OUTSIDE OF DEPARTMENT RIGHT OF WAY.

D. COORDINATION
THE CONTRACTOR SHALL COORDINATE ALL WORK TO AVOID INTERFERENCE AND CONFLICTS WITHIN THIS PROJECT. THE CONTRACTOR SHALL RECEIVE AND RELATE ALL COMMUNICATIONS ONLY THROUGH THE PROJECT ENGINEER OR HIS DESIGNATED REPRESENTATIVE.

E. VERIFICATION
THE CONTRACTOR SHALL VERIFY MOUNTING SPACE, EQUIPMENT DIMENSIONS, INSTALLATION REQUIREMENTS, AND ELECTRICAL CIRCUIT REQUIREMENTS OF ALL EQUIPMENT BEING SERVED PRIOR TO ORDERING ANY EQUIPMENT AND MATERIAL. WHERE CIRCUITS ARE TO SERVE SPECIFIC EQUIPMENT OR FEEDERS, THE CONTRACTOR SHALL VERIFY THE ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL CONNECTIONS PRIOR TO THE INSTALLATION OF THE SERVICE TO THE EQUIPMENT.

F. WARRANTIES AND GUARANTEES
WARRANTIES AND GUARANTEES SHALL BE IN ACCORDANCE TO SECTION 104.05 "GUARANTEES" OF THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS.

G. SUBMITTALS
AFTER THE ISSUANCE OF THE NOTICE TO PROCEED AND PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PROVIDE ELECTRONIC SUBMITTALS AS PDF DOCUMENTS TO THE DESIGN ENGINEER. SUBMITTALS 10MB OR LESS CAN BE TRANSMITTED THROUGH EMAIL. ALL LARGER SUBMITTALS SHALL BE SENT THROUGH DOTD'S LARGE FILE TRANSFER SYSTEM. OTHER METHODS WILL BE CONSIDERED UPON REQUEST. SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, CATALOG CUT SHEETS, SHOP DRAWINGS, DESCRIPTIVE DATA, INSTALLATION AND OPERATING INSTRUCTIONS, BROCHURES, ETC., FOR ALL MATERIAL TO BE INSTALLED ON THE PROJECT. THE ITEM NUMBER FROM THE EQUIPMENT LIST, STATE PROJECT NUMBER, PROJECT NAME, FABRICATOR OR MANUFACTURER'S NAME, AND CONTRACTOR'S COMPANY NAME SHALL BE ON EVERY SHEET OF THE SUBMITTAL AND BE IN A TYPED OR STAMP FORMAT. HAND WRITTEN IS NOT ACCEPTABLE. ALL CUT SHEETS WITHIN THE SUBMITTAL SHALL HAVE ALL PERTINENT DATA ON EACH ITEM CLEARLY MARKED TO INDICATE MATERIAL DESCRIPTION, BRAND NAME, MODEL NUMBER, SIZE, RATING, AND MANUFACTURING SPECIFICATION. DO NOT USE HIGHLIGHTING TO MARK INFORMATION. SUBMITTALS THAT DO NOT CONTAIN ALL DATA NECESSARY TO VERIFY CONFORMANCE WILL BE RETURNED FOR CORRECTION. ADDITIONAL SUBMITTALS OR RANDOM SAMPLES MAY BE REQUESTED AT THE DISCRETION OF THE DESIGN OR PROJECT ENGINEER. SHOP DRAWINGS AND EQUIPMENT SUBMITTALS SHALL EASILY PRINT TO 8½" X 11" OR 22" X 34". EQUIPMENT BROCHURES SHALL BE CLEAR, LEGIBLE, AND PROVIDE ACCURATE REPRESENTATION OF COLORS AND PATTERNS WHERE SUCH IS CALLED FOR IN THE ITEM'S DESCRIPTION OR AS NEEDED FOR CLARITY. DURING THE REVIEW PROCESS, ONE (1) ELECTRONIC SUBMITTAL SET WILL BE RETURNED WITH REQUIRED REVISIONS (IF ANY) NOTED THEREON. AFTER REVISIONS HAVE BEEN MADE, THE CONTRACTOR SHALL RE-SUBMIT AS PREVIOUSLY DESCRIBED. AFTER REVIEW, ITEMS STAMPED "NO EXCEPTIONS TAKEN" WILL BE DISTRIBUTED ELECTRONICALLY. ITEMS STAMPED "RETURNED FOR CORRECTION" SHALL BE

G. SUBMITTALS (CONTINUED)
CORRECTED AND RESUBMITTED. COMMENTS ON SUBMITTALS ARE NOT INTENDED TO RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS. SUBMITTALS AND DRAWINGS MARKED "NO EXCEPTIONS TAKEN" DO NOT IMPLY THAT EQUIPMENT AND MATERIALS DESCRIBED ARE COMPLETE, CAN BE CONSTRUCTED OR INSTALLED, WILL OPERATE SUCCESSFULLY, OR WILL COORDINATE WITH EXISTING OR OTHER EQUIPMENT SPECIFIED. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF WORK, PERFORMING WORK SAFELY AND SATISFACTORY, AND FOR SATISFACTORY INSTALLATION AND OPERATION OF EQUIPMENT. NO MATERIAL SHALL BE ORDERED AND NO FABRICATION OR INSTALLATION OF EQUIPMENT SHALL BEGIN UNTIL THE RELATED SUBMITTAL HAS BEEN DISTRIBUTED MARKED "NO EXCEPTIONS TAKEN" BY THE DESIGN ENGINEER AND A COPY HAS BEEN RECEIVED BY THE PROJECT ENGINEER. NOTE: ONE (1) LEGIBLE PAPER SET OF SUBMITTALS WILL BE REQUIRED FOR EACH O & M MANUAL, IN COLOR WHERE COLOR IS CALLED FOR IN THE ITEM'S DESCRIPTION, AND ON 11" X 17" OR 22" X 34" PAPER WHERE NEEDED FOR LEGIBILITY AND WHEN SHOP DRAWINGS ARE PROVIDED.

EQUIPMENT TO SUBMIT ON:
THE CONTRACTOR SHALL FURNISH, TO THE DESIGN ENGINEER FOR APPROVAL, BROCHURES, SHOP DRAWINGS, AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL ELECTRICAL EQUIPMENT LISTED ON THE ELECTRICAL EQUIPMENT DESCRIPTION LISTS BEFORE PROCEEDING WITH CONSTRUCTION. THE EQUIPMENT LISTED MAY NOT INCLUDE ALL MATERIAL THE CONTRACTOR IS TO INSTALL. AT ANY TIME, THE DESIGN AND/OR PROJECT ENGINEER MAY REQUEST ADDITIONAL EQUIPMENT SUBMITTALS.

FOR ROADWAY LIGHTING INSTALLATIONS, THE CONTRACTOR SHALL SUBMIT A PHOTOMETRIC REPORT MEASURING 22"X34". THE FOLLOWING SHALL BE INCLUDED AS A MINIMUM IN THE PHOTOMETRIC REPORT: LIGHT DISTRIBUTION, EFFICIENCY, ZONAL LUMEN OUTPUT, HORIZONTAL ILLUMINANCE, VEILING (GLARE) CALCULATIONS, LUMINAIRE AND POLE CHARACTERISTICS, AND A ROADWAY AND/OR INTERSECTION DIAGRAM ILLUSTRATING FOOT-CANDLE LEVELS AT VARIOUS POINTS ALONG EACH ROADWAY SEGMENT. THE CONTRACTOR MAY CONTACT THE DESIGN ENGINEER FOR ASSISTANCE WITH RETRIEVING A CADD DRAWING(S) (IF APPLICABLE) IN ORDER TO ASSIST THE CONTRACTOR WITH PREPARATION OF THE PHOTOMETRIC REPORT.

WHEN SUBMITTING STRUCTURAL POLE DATA, ALL SHOP DRAWINGS AND CALCULATIONS MUST BE FACTORY CERTIFIED BY A STRUCTURAL/CIVIL ENGINEER IN ORDER TO SHOW COMPLIANCE WITH THE PLANS AND AASHTO CRITERIA.

BOTH THE DESIGN AND/OR PROJECT ENGINEER RESERVE THE RIGHT TO REQUEST SUBMITTALS ON ITEMS NOT LISTED ABOVE AND TAKE RANDOM TEST SAMPLES FROM THE MATERIALS, EQUIPMENT, AND APPARATUS FURNISHED.

H. ELECTRICAL EQUIPMENT, APPARATUS & MATERIALS
FOR ALL ELECTRICAL EQUIPMENT, MATERIALS, AND APPARATUS TO BE FURNISHED AND USED ON THIS PROJECT, THE CONTRACTOR SHALL SUBMIT BROCHURES AND INSTALLATION INSTRUCTIONS TO THE DESIGN ENGINEER FOR APPROVAL.
THE SUBMITTALS SHALL BE MADE IN ACCORDANCE WITH PARAGRAPH G "SUBMITTALS" OF THESE SPECIFICATIONS. THE SUBMITTALS SHALL HAVE DIMENSIONS, WEIGHTS, MOUNTING DATA, PERFORMANCE DATA, AND ALL OTHER INFORMATION THAT IS REQUIRED TO SHOW COMPLETE CONFORMANCE WITH THE SPECIFICATIONS. DESCRIPTIVE SPECIFICATIONS, PLANS AND SYSTEM COMPATIBILITY SHALL GOVERN OVER SPECIFIED MANUFACTURER'S NAMES, MODEL NUMBERS, OR CATALOG NUMBERS. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT MODEL NUMBERS, CATALOG NUMBERS, AND VERIFY AVAILABILITY WITH SUPPLIERS. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER SUB-CONTRACTORS. THE CONTRACTOR SHALL FURNISH TO THE DESIGN ENGINEER FOR APPROVAL, LAYOUT DRAWINGS FOR THE POWER CIRCUITS ANY CHANGES TO THESE DRAWINGS SHALL BE SO NOTED AND ENCLOSED IN THE MAINTENANCE MANUALS AS "AS-BUILTS".

I. RECORD AS-BUILT DRAWINGS
UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL FURNISH ONE (1) FULL SIZE (22" X 34") COMPLETE SET OF REDLINED AS-BUILT DRAWINGS TO THE PROJECT ENGINEER REFLECTING THE FINAL AS-BUILT CONDITION THE PROJECT. THE CONTRACTOR SHALL INCLUDE AS PART OF THE AS-BUILT DRAWINGS A REVISED SUMMARY OF ESTIMATED QUANTITIES AND AN EQUIPMENT LIST INDICATING EACH MANUFACTURER'S NAME AND CATALOG (OR SHOP DRAWING) NUMBER FOR EACH PIECE OF EQUIPMENT FURNISHED. AS-BUILT DRAWINGS SHALL SHOW THE EXACT INSTALLED LOCATIONS OF ALL SECONDARY POWER (OR LIGHTING) CONTROLLERS, NEW AND EXISTING SERVICE POLES, TRANSFORMERS, DISCONNECTS, LIGHT POLES, UNDERPASS LUMINAIRES, ABOVE AND BELOW GROUND CONDUIT AND WIRING, ROADWAY BORES, JUNCTION BOXES, CHANGE ORDERS, FIELD CHANGES, ADDITIONAL NOTES, AND APPURTENANCES. ALL SHEETS OF THE AS-BUILT DRAWINGS SHALL INCLUDE THE PROJECT NAME, PROJECT NUMBER, PARISH, CONTRACTOR'S NAME, ADDRESS, AND PHONE NUMBER (WITH AREA CODE). PRIOR TO FURNISHING THE FULL SIZE REDLINED AS-BUILTS DRAWINGS TO THE PROJECT ENGINEER, THE CONTRACTOR SHALL PROVIDE ONE (1) FULL SIZE COPY OF THE REDLINED AS-BUILT DRAWINGS TO THE DESIGN ENGINEER FOR REVIEW. THE COPY WILL BE RETURNED WITH REQUIRED REVISIONS (IF ANY) NOTED THEREON. THE CONTRACTOR SHALL MAKE THE REQUIRED REVISIONS AND CONTINUE TO RE-SUBMIT A COPY OF THE AS-BUILT DRAWINGS AS PREVIOUSLY DESCRIBED UNTIL THE DESIGN ENGINEER CONSIDERS THE AS-BUILT DRAWINGS SATISFACTORY. UPON COMPLETION OF THE REVIEW PROCESS, THE CONTRACTOR SHALL SUBMIT THE REDLINE AS-BUILT DRAWINGS TO THE PROJECT ENGINEER FOR FINAL APPROVAL, STAMPING, SIGNATURE AND DATE. THE PROJECT ENGINEER SHALL RETURN THE AS-BUILT DRAWINGS BACK TO THE CONTRACTOR IN ORDER TO MAKE ONE (1) FULL SIZE BOND SET AND THE REQUIRED HALF SIZE (11" X 17") COPIES FOR THE O & M MANUALS ALL TO BE PROVIDED TO THE DESIGN ENGINEER UPON FINAL PROJECT ACCEPTANCE.

J. OPERATION AND MAINTENANCE (O & M) MANUALS
THE CONTRACTOR SHALL MEET WITH THE PROJECT AND DESIGN ENGINEER TWO (2) WEEKS PRIOR TO THE REQUIRED SYSTEM PERFORMANCE TEST PERIOD TO DISCUSS REQUIREMENTS AND PROCEDURES NECESSARY TO CREATE CORRECT OPERATION AND MAINTENANCE (O & M) MANUALS. THE CONTRACTOR MUST SUBMIT TWO (2) O & M MANUALS WITH MATERIAL BOUND IN 3-RING BINDERS TO THE DESIGN ENGINEER FOR REVIEW. ONE (1) O & M MANUAL WILL BE RETURNED TO THE CONTRACTOR WITH REQUIRED REVISIONS (IF ANY) NOTED THEREON. NOTE: WHEN BINDING MATERIAL IN EACH O & M MANUAL, IF PERTINENT INFORMATION IS REMOVED WHEN BINDING, THE O & M MANUALS WILL BE IMMEDIATELY RETURNED. THE

J. OPERATION AND MAINTENANCE (O & M) MANUALS (CONTINUED)
CONTRACTOR SHALL MAKE REVISIONS AND RE-SUBMIT O & M MANUALS AS PREVIOUSLY DESCRIBED UNTIL O & M MANUALS HAVE BEEN CONSIDERED TO BE SATISFACTORY BY THE DESIGN ENGINEER. THE CONTRACTOR SHALL SUBMIT SEVEN (7) SEPARATE COPIES OF THE O & M MANUAL TO THE DESIGN ENGINEER FOR FINAL DISTRIBUTION. O & M MANUALS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: WARRANTIES AND GUARANTEES AS REQUIRED UNDER PARAGRAPH F "WARRANTIES AND GUARANTEES"; MAINTENANCE AGREEMENTS; LUBRICATION SCHEDULES AND RECOMMENDED LUBRICANTS; ELECTRICAL AND MECHANICAL EQUIPMENT AND APPARATUS BROCHURES; 11" X 17" AS-BUILT DRAWINGS (AS REQUIRED UNDER PARAGRAPH I "RECORD AS-BUILT DRAWINGS"); TEST RECORDINGS; AND CERTIFICATION LETTERS.

K. CODES AND FEES
ALL MATERIAL FURNISHED AND ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL STATE LAWS, CODES, RULES AND REGULATIONS. THE CONTRACTOR SHALL FILE FOR AND OBTAIN ALL NECESSARY STATE PERMITS. THE CONTRACTOR SHALL PAY ALL FEES FOR STATE PERMITS AND LICENSES REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

L. QUANTITIES
ESTIMATED QUANTITIES ARE GIVEN ON THE PLANS FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS REQUIRED TO COMPUTE AND FURNISH THE QUANTITY OF MATERIALS NECESSARY TO COMPLETE THE WORK AS DETAILED ON THE PLANS AND SPECIFIED HEREIN.

M. IDENTIFICATION
EACH PIECE OF EQUIPMENT FURNISHED SHALL HAVE PERMANENT IDENTIFICATION AND SHALL BE IDENTIFIED AS FOLLOWS:

CONDUCTOR IDENTIFICATIONS: UNLESS DIRECTED OTHERWISE, CONDUCTORS SHALL HAVE INSULATION COLOR PER THE FOLLOWING:

UNGROUNDED (I.E. ø) AND GROUNDED (I.E. NEUTRAL) CONDUCTORS:
- 1ø/3W SYSTEMS: øA [BLACK], øB [RED], NEUTRAL [WHITE]

EQUIPMENT GROUNDING CONDUCTORS: GREEN

CONDUCTOR SIZES AWG #6 AND SMALLER SHALL BE PERMANENTLY IDENTIFIED BY COLOR CODING THEIR ENTIRE LENGTH. ALL OTHER CONDUCTOR SIZES SHALL BE PERMANENTLY IDENTIFIED USING APPROPRIATE TAPE OR PAINT AT VISIBLE AND ACCESSIBLE TERMINATION POINTS, EQUIPMENT ENCLOSURES, SPLICES, TAPS, AND JUNCTION BOXES.

SECONDARY POWER (LIGHTING) CONTROLLERS, DISCONNECTS, LIGHT POLES, ETC.:
SECONDARY POWER (LIGHTING) CONTROLLERS, DISCONNECTS, LIGHT POLES, AND OTHER EQUIPMENT SHALL BE IDENTIFIED WITH LABELS. LABEL MATERIAL AND FASTENER TYPE SHALL BE AS INDICATED IN THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER. LABELS SHALL CLEARLY IDENTIFY THE EQUIPMENT BEING SERVED, AND WHEN REQUIRED, ITS FUNCTION. LABELS FOR LIGHT POLES SHALL BE WITH POLE MARKER AND OWNERSHIP PLATES AS INDICATED IN THE PLANS.

CIRCUIT SCHEDULES: EACH CONTROLLER SHALL HAVE A LAMINATED TYPED CIRCUIT SCHEDULE PERMANENTLY MOUNTED INSIDE THE CONTROLLER. THE CIRCUIT SCHEDULE SHALL LIST WHICH LUMINAIRES ARE CONTROLLED BY EACH CIRCUIT BREAKER.

N. TESTS
PRIOR TO FINAL ACCEPTANCE AND AS DIRECTED BY THE PROJECT ENGINEER DURING CONSTRUCTION, THE LIGHTING SYSTEM SHALL BE TESTED ACCORDING TO SECTION 730.06 "SYSTEM TESTING" OF THE CURRENT EDITION OF THE "LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES". THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT NECESSARY TO CONDUCT ALL TESTS. IF ANY COMPONENT BECOMES DEFECTIVE DURING TESTING, THE CONTRACTOR SHALL CORRECT OR REPLACE THE DEFECTIVE COMPONENT(S) AND RE-START TESTING AS DIRECTED BY THE PROJECT ENGINEER. NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL ELECTRICAL UTILITIES CONSUMED DURING TESTING THAT IS PERFORMED PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL ALSO PERFORM THE FOLLOWING ADDITIONAL TEST(S):

GROUND RESISTANCE TEST: THE CONTRACTOR SHALL PERFORM GROUND RESISTANCE TESTS AT EACH SERVICE GROUNDING SYSTEM. GROUND RESISTANCE TESTS SHALL BE CONDUCTED USING A 3- OR 4-PONT FALL-OF-POTENTIONAL METHOD DEFINED BY IEEE STANDARD #81 OR OTHER INDUSTRY APPROVED TEST METHOD. EACH GROUNDING ELECTRODE SHALL BE TESTED PRIOR TO CONNECTION TO THE GROUND SYSTEM. RESISTANCE-TO-GROUND OF THE GROUND SYSTEM SHALL NOT EXCEED 25 OHMS. GROUND RESISTANCE MEASUREMENTS SHALL BE CONDUCTED IN NORMALLY DRY CONDITIONS NOT LESS THAN 48 HOURS AFTER THE LATEST RAINFALL. ALL GROUND RESISTANCE TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE PROJECT ENGINEER AND THE DEPARTMENT'S ELECTRICAL INSPECTOR. THE CONTRACTOR SHALL DOCUMENT ALL TEST RECORDINGS AND PROVIDE A COPY OF ALL TESTS REPORTS TO THE PROJECT ENGINEER AND ELECTRICAL INSPECTOR UPON COMPLETION.

O. CLEAN-UP AND MAINTENANCE OF THE WORK AREAS
THE CONTRACTOR SHALL NOT ALLOW ACCUMULATION OF SCRAP, DEBRIS, WASTE, OR OTHER ITEMS NOT REQUIRED FOR CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL RETAIN ALL STORED ITEMS IN AN ORDERLY ARRANGEMENT ALLOWING MAXIMUM ACCESS, NOT TO IMPEDE DRAINAGE OR TRAFFIC AND PROVIDE REQUIRED PROTECTION OF MATERIALS. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL TOOLS, SURPLUS MATERIALS, EQUIPMENT, SCRAP, DEBRIS, AND WASTE, FROM THE JOB SITE AND CLEAN ALL AREAS ON AND ADJACENT TO THE SITE SOILED BY CONSTRUCTION OF THIS PROJECT.

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No 19229
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

E1

SHEET NUMBER	69
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	BH
CHECKED	SJ
DETAILED	BH
CHECKED	SJ
DATE	07/18/25
SHEET	

NO	DATE	REVISION DESCRIPTION	BY

ELECTRICAL GENERAL REQUIREMENTS

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD

PERRIN & CARTER, INC.

GENERAL NOTES:

1. NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN." "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT, EXTEND TO QUANTITIES OR DIMENSIONS, IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR WILL OPERATE SATISFACTORILY, THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER APPROVED ITEMS.
2. MINIMUM SIZE CONDUIT SHALL BE 3/4" ABOVE GROUND AND 1" BELOW GROUND. MINIMUM WIRE SIZE SHALL BE #12 AWG. MINIMUM SIZE CIRCUIT BREAKER(S) SHALL BE 20 AMP. PROVIDE WORK SPACE CLEARANCE FOR ALL ELECTRICAL EQUIPMENT ACCORDING TO N.E.C. MAXIMUM FILL ALLOWANCE FOR CONDUCTORS IN CONDUIT SHALL BE 25% IN LIEU OF THE 40% ALLOWED BY N.E.C.
3. IN ANY CASE WHERE THE DESIGN HEREIN DIFFERS FROM THE MINIMUM REQUIREMENTS SET DOWN BY THE NATIONAL ELECTRICAL CODE (N.E.C.), THE CONTRACTOR SHALL MAINTAIN THE HIGHER LEVEL.
4. ARC FLASH: ANY CABINET CONTAINING CIRCUIT BREAKERS OR CONTACTORS SHALL BE FIELD MARKED IN ACCORDANCE WITH NEC 110.16 TO WARN QUALIFIED PERSONS OF THE POTENTIAL OF ELECTRIC ARC FLASH HAZARD.
5. ALL UNDERGROUND NON-METALLIC (NM) CONDUITS SHALL CONTAIN A BARE SOLID COPPER GROUNDING CONDUCTOR OF TYPE AND SIZE AS INDICATED IN THE PLANS. ALL OTHER GROUNDING CONDUCTORS SHALL HAVE GREEN INSULATION.
6. WHEN FLEXIBLE METALLIC CONDUITS ARE REQUIRED, BX, MC, OR ARMORED CABLE SHALL NOT BE ALLOWED. REFER TO PLAN SHEET E3 "PARAGRAPH B" FOR ADDITIONAL REQUIREMENTS ON LIQUID-TIGHT FLEXIBLE METAL CONDUIT (LFMC) INSTALLATIONS. FLEXIBLE CONDUIT INSTALLATIONS TO UNDERPASS LUMINAIRES SHALL BE 1'-6" MAXIMUM LENGTHS. FLEXIBLE CONDUIT INSTALLATIONS FROM STRUCTURE TO STRUCTURE SHALL BE 3'-0" MAXIMUM LENGTHS.
7. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, AND ENTERGY REPRESENTATIVE TO SET UP THE REQUIRED NEW ACCOUNT(S) AND COORDINATE THE INSTALLATION OF THE REQUIRED ELECTRICAL SERVICE EQUIPMENT FOR EACH ELECTRICAL SERVICE POINT AND SECONDARY POWER CONTROLLER. SERVICE TRANSFORMERS FOR EACH LOCATION SHALL BE POLE MOUNT, CENTER-TAP, 480/240 VOLT, SINGLE PHASE, AND BE PROVIDED AND INSTALLED BY THE ELECTRICAL UTILITY CO. TRANSFORMER kVA RATINGS SHALL BE AS REQUIRED BY THE ELECTRICAL UTILITY CO. REFER TO PLAN SHEET E10 FOR DESIGN kVA LOADS FOR THE ELECTRICAL SERVICE POINT. PRIOR TO ANY CONSTRUCTION OR SERVICE TIE-INS, THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL SERVICE (PRIMARY, SECONDARY, AND TEMPORARY) AND THE LOCATION OF ALL ELECTRICAL SERVICE EQUIPMENT WITH THE PROJECT ENGINEER, AND ENTERGY REPRESENTATIVES.
8. EQUIPMENT LAYOUTS ARE DIAGRAMMATIC. THEY DO NOT SHOW THE EXACT EQUIPMENT QUANTITIES AND LOCATIONS. THE EXACT LOCATIONS OF ALL EQUIPMENT SHALL BE SUCH THAT WHEN INSTALLED, THE EQUIPMENT WILL NOT INTERFERE WITH ANY NEW OR EXISTING UTILITIES OR STRUCTURES. THE FINAL LOCATIONS OF ALL EQUIPMENT SHALL BE AS DIRECTED BY THE PROJECT ENGINEER. THE LAYOUT SHEETS ARE INTENDED ONLY FOR A GENERAL OVERVIEW OF THE WORK REQUIRED. OMISSION FROM THE LAYOUT SHEETS OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
9. THE PLANS DO NOT NECESSARILY SHOW ALL OVERHEAD AND UNDERGROUND FACILITIES. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL VERIFY THE LOCATION FOR EVIDENCE OF UNDERGROUND FACILITIES. NOTE: THE DEPARTMENT DOES NOT LIST ITS UNDERGROUND UTILITIES WITH ANY LOCAL ONE CALL TYPE ORGANIZATIONS. THEREFORE, IN ADDITION TO OTHER SOURCES, THE CONTRACTOR MUST NOTIFY THE PROJECT ENGINEER, THE DISTRICT UTILITY REPRESENTATIVE, AND THE DEPARTMENT'S TELECOMMUNICATIONS DIVISION IN ORDER TO COORDINATE WITH THE LOCATION OF ANY UNDERGROUND UTILITIES (WATER, ELECTRIC, GAS, FIBER OPTIC, TELEPHONE, ETC.) AND TO OBTAIN ANY ADDITIONAL INFORMATION CONCERNING THE DEPARTMENT'S UNDERGROUND UTILITIES. CONTACT INFORMATION FOR ALL PARTIES MAY BE OBTAINED FROM EITHER THE PROJECT ENGINEER OR DURING THE PRE-CONSTRUCTION MEETING. THE RESPONSIBILITY FOR DAMAGES AND FOR WORK PLACE SAFETY STILL REMAINS WITH THE CONTRACTOR. THE DEPARTMENT WILL NOT BE RESPONSIBLE FOR DAMAGE TO OVERHEAD AND UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS.
10. CONDUCTORS SHALL NOT BE PULLED INTO CONDUITS UNTIL THE CONDUIT SYSTEM HAS BEEN INSPECTED AND APPROVED BY THE PROJECT ENGINEER.
11. ALL CONDUITS PLACED WITHIN TRENCHES SHALL BE HAND PLACED WITHIN THE TRENCH AND THE TRENCH BACKFILLED TO THE SATISFACTION OF THE PROJECT ENGINEER ON THE SAME DAY. WHEN POSSIBLE, MULTIPLE CONDUIT RUNS SHALL BE PLACED WITHIN COMMON TRENCHES.
12. THE CONTRACTOR SHALL REFER TO PLAN SHEET E3 "PARAGRAPH G" FOR REQUIREMENTS AND SPECIFICATIONS ON GROUNDING THE ELECTRICAL SYSTEM.
13. PLAN SHEETS CONTAINING POLE SCHEDULES AND ELECTRICAL DETAILS ARE TO ASSIST THE CONTRACTOR WITH BIDDING AND EQUIPMENT INSTALLATION. FOR SOME EQUIPMENT, MORE THAN ONE ELECTRICAL DETAIL MAY BE REFERENCED OR REQUIRED.
14. THE CONTRACTOR SHALL KEEP ONE (1) FULL SIZE (22" X 34"), UP-TO-DATE, CLEAN, AND NEAT SET OF AS-BUILT DRAWINGS ON THE JOBSITE AT ALL TIMES. THIS SET OF AS-BUILT DRAWINGS SHALL DENOTE ALL CURRENT CONSTRUCTION, FIELD CHANGES, CHANGES IN QUANTITIES, NOTES, ETC. PERFORMED DAILY THROUGHOUT THE COURSE OF THE PROJECT. REFER TO PLAN SHEET E1 PARAGRAPH I "RECORD AS-BUILT DRAWINGS" FOR ADDITIONAL REQUIREMENTS.
15. THE CONTRACTOR SHALL ORIENT EACH LUMINAIRE PER THE MANUFACTURER'S INSTRUCTIONS IN ORDER TO PROVIDE THE ILLUMINANCE PERFORMANCE VALUES INDICATED ON THE APPROVED PHOTOMETRIC REPORT.
16. THE CONTRACTOR SHALL NOT POUR LIGHT POLE FOUNDATIONS UNTIL THE PHOTOMETRICS SUBMITTED BY THE CONTRACTOR HAVE BEEN APPROVED BY THE DESIGN ENGINEER AND THE PROJECT ENGINEER HAS BEEN NOTIFIED ACCORDINGLY.
17. PRIOR TO INSTALLING ANY BREAKAWAY CABLE SYSTEM, THE CONTRACTOR SHALL CONTACT THE BREAKAWAY CABLE SYSTEM MANUFACTURER TO SCHEDULE FIELD TRAINING.

07/18/2025
STATE OF LOUISIANA
HENRY G HAWNEY
REG No 19229
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL
Henry G Hawney

E2

SHEET NUMBER 70

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED / CHECKED	DETAILED / CHECKED	DATE / SHEET
BH / SJ	BH / SJ	07/18/25 / BY

NO.	DATE	REVISION DESCRIPTION

STATE OF LOUISIANA

GENERAL ELECTRICAL NOTES

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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07/24/2025 09:12

07/24/2025 09:13
Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\Electrical\LATEST-REVISED START Reduced Scope Electrical\Harvey Blvd. Lighting E3.dwg 07.24.2025 09:13:08

ELECTRICAL SPECIFICATIONS:

A. ORDINANCES, RULES, AND REGULATIONS

ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF ALL BUILDING CODES, SANITARY CODES AND ORDINANCES IN FORCE IN THE LOCALITY IN WHICH THE WORK IS TO BE DONE. ALL MATERIALS AND CONSTRUCTION SHALL ALSO CONFORM TO THE RULES AND REGULATIONS OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 6TH ADDITION, THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITER LABORATORIES (UL), NATIONAL ELECTRIC CODE (NEC), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), INSULATED CABLE ENGINEER'S ASSOCIATION (ICEA), NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA), AMERICAN WIRE GAUGE (AWG), AMERICANS WITH DISABILITIES ACT ACCESSIBILITIES GUIDELINES (ADAAG), AND SECTION 822 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. THE CONTRACTOR SHALL PAY FOR ANY REQUIRED PERMITS AND INSPECTIONS.

B. CONDUIT SYSTEM

ALL CONDUITS SHALL BE INSTALLED CONCEALED UNLESS NOTED OTHERWISE ON THE PLANS. UNDERGROUND CONDUITS SHALL BE INSTALLED 3'-0" BELOW GRADE UNLESS SPECIFIED OTHERWISE. MARKER TAPE SHALL BE PLACED ABOVE ALL UNDERGROUND CONDUITS CARRYING ELECTRICAL CONDUCTORS. ALL CONDUITS WITHIN TRENCHES SHALL BE HAND PLACED INSIDE THE TRENCH, AND THE TRENCH BACKFILLED TO THE SATISFACTION OF THE ENGINEER ON THE SAME DAY. WHEN POSSIBLE, MULTIPLE CONDUIT RUNS SHALL BE PLACED IN A COMMON TRENCH. RACEWAYS CONTAINING BOTH LINE AND LOAD SIDE CONDUCTORS ARE PROHIBITED.

RIGID STEEL CONDUIT AND FITTINGS:

RIGID STEEL CONDUIT SHALL CONFORM TO CURRENT NEC CODE, FEDERAL SPECIFICATION WW-C-581 (CLASS 1 TYPE A), UL SAFETY STANDARD 6, AND ANSI C80.1 SPECIFICATIONS. ALL CONDUITS ENTERING THE GROUND, CONCRETE SLABS, FOUNDATIONS, OR WHERE INDICATED ON THE PLANS SHALL BE THREADED GALVANIZED RIGID STEEL. GALVANIZED RIGID STEEL RISER SECTION(S) SHALL EXTEND FROM THE SERVICE HEAD, OR LAST ABOVE GROUND JUNCTION BOX, TO THE UNDERGROUND NON-METALLIC (NM) CONDUIT COUPLING. RIGID STEEL CONDUIT FITTINGS SHALL BE THREADED TYPE WITH CAST OR MALLEABLE IRON BODIES AND COVERS HAVING ZINC FINISH, SOLID NEOPRENE GASKETS, AND STAINLESS STEEL HARDWARE AS SPECIFIED UNDER PARAGRAPH E.

RIGID ALUMINUM CONDUIT AND FITTINGS:

RIGID ALUMINUM CONDUIT SHALL CONFORM TO CURRENT NEC CODE, FEDERAL SPECIFICATION WW-C-540c, UL SAFETY STANDARD 6A, AND ANSI C80.5 SPECIFICATIONS. ALL CONDUIT AND FITTINGS INSTALLED ON STRUCTURES SHALL BE RIGID ALUMINUM. RIGID ALUMINUM CONDUIT AND FITTINGS SHALL ALSO BE INSTALLED WHERE CONDUITS ARE REQUIRED OUTDOORS, IN HAZARDOUS LOCATIONS, WHERE SUBJECT TO PHYSICAL DAMAGE, AND WHERE INDICATED ON THE PLANS. THREADS SHALL BE PAINTED WITH A CONDUCTING OXIDE INHIBITING COMPOUND BEFORE INSTALLATION. FITTINGS SHALL BE THREADED TYPE WITH CAST OR DIE-CAST COPPER FREE BODIES AND COVERS, SOLID NEOPRENE GASKETS, AND STAINLESS STEEL SCREWS. EXPANSION FITTINGS SHALL BE INSTALLED WITH EXTERNAL ALUMINUM BONDING STRAPS AND STAINLESS STEEL HARDWARE AS SPECIFIED UNDER PARAGRAPH E.

NON-METALLIC CONDUITS (NM) AND FITTINGS:

NON-METALLIC CONDUIT AND FITTINGS SHALL BE SCHEDULE 40 OR 80 PVC OR SCHEDULE 40 OR 80 HIGH DENSITY POLYETHYLENE AND BE INSTALLED IN LOCATIONS AS INDICATED ON THE PLANS. NON-METALLIC CONDUITS SHALL BE UL LISTED, SUNLIGHT RESISTANT, AND CONFORM TO CURRENT UL SAFETY STANDARD 651, NEMA TC-2, AND NEC CODE SPECIFICATIONS. NON-METALLIC (NM) CONDUITS SHALL NOT BE INSTALLED ABOVE THE GROUND OR SLABS, SHALL BE INSTALLED 4 FEET (MINIMUM) FROM SHOULDERS, AND BURIED 3'-0" MINIMUM UNDERGROUND UNLESS INSTALLED UNDER CONCRETE SLABS. WITH THE EXCEPTION OF GALVANIZED RIGID STEEL SECTIONS, UNDERGROUND CONDUITS SHALL HAVE NO VERTICAL BENDS OR RUNS.

LIQUID-TIGHT FLEXIBLE METAL CONDUIT (LFMC) AND FITTINGS:

LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL CONFORM TO NEC ARTICLE 350 "LIQUID-TIGHT FLEXIBLE METAL CONDUIT (LFMC)", BE UL LISTED AS PER UL STANDARD FOR SAFETY 360, AND BE INSTALLED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE CONSTRUCTED OF A HOT-DIPPED GALVANIZED, CONTINUOUS INTERLOCKING STEEL STRIP HAVING A HEAVY COATING OF ZINC HELICALLY FORMED INTO A METAL CORE. LIQUID-TIGHT FLEXIBLE METAL CONDUITS SHALL HAVE A GRAY THERMOPLASTIC JACKET EXTRUDED OVER THE METAL CORE THAT IS MOISTURE RESISTANT [TEMPERATURE RANGE $-30(-22) \leq °C(°F) \leq 80(176)$], OIL RESISTANT [TEMPERATURE RANGE 60°C(140°F)], AND UV SUNLIGHT RESISTANT. THE THERMOPLASTIC JACKET SHALL HAVE MINIMUM PRINTINGS WHICH IDENTIFY MANUFACTURER'S NAME, PRODUCT NAME, SIZE, UL, CSA, AND SUNLIGHT AND OIL RESISTIVITY. LIQUID-TIGHT FLEXIBLE METAL CONDUITS SHALL ACCEPT STANDARD LIQUID-TIGHT METAL FITTINGS WITH INSULATED THROAT AND BE CONSTRUCTED SUCH THAT THE MATERIALS FORMING THE CONDUIT/RACEWAY WILL SEAL OUT, BUT NOT LIMITED TO, WEATHER, WATER, LIQUIDS, ABRASIVES, ALCOHOL, COOLANTS, CORROSIVE FUMES AND GASES, DIRT, GREASE, MINERAL ACIDS, NON-CONCENTRATED FIXED ALKALINES, PETROLEUM OILS, AND SALT AIR AND SPRAY. LIQUID-TIGHT FLEXIBLE METAL CONDUITS SHALL HAVE SMOOTH METAL INTERIORS FOR EASY WIRE PULLING, BE APPROVED FOR USE EXPOSED, CONCEALED, DIRECT BURIED, OR CONCRETE ENCASED. WHERE FLEXIBLE CONDUIT IS INSTALLED FROM JUNCTION BOXES TO UNDERPASS LUMINAIRES THEY SHALL HAVE FLEXIBLE LENGTHS OF 1'-6" (MAXIMUM). ALL OTHER LOCATIONS REQUIRING FLEXIBLE CONDUIT INSTALLATIONS SHALL HAVE FLEXIBLE LENGTHS OF 3'-0" (MAXIMUM). FLEXIBLE METAL CONDUITS SHALL HAVE EXTERNAL BONDING JUMPER. BONDING JUMPER SHALL NOT BE WRAPPED AROUND CONDUIT. IT SHALL BE SECURED TO CONDUIT WITH NON-CONDUCTIVE CABLE TIE AS NEEDED.

C. WIRE AND CABLE

UNLESS NOTED OTHERWISE IN THE PLANS, ALL CONDUCTORS SHALL BE INSTALLED IN RACEWAYS AND SHALL BE CLASS B STRANDED COPPER HAVING 600 VOLT RATED CROSS-LINKED POLYETHYLENE INSULATION (TYPE XHHW-2) CONFORMING TO INSULATED CABLE ENGINEERS ASSOCIATION (ICEA) STANDARD S-95-658, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 1202, FEDERAL SPECIFICATION A-A-59544, NEMA PUBLICATION NO. WC-70, AND THE NEC FOR CROSS-LINKED THERMOSETTING POLYETHYLENE INSULATED WIRE AND POWER CABLE. WHERE CONDUCTORS ARE CONNECTED TO, OR INSTALLED NEAR HEAT PRODUCING EQUIPMENT (LUMINARIES, HEATERS, MOTORS, ETC.), THE CONDUCTOR INSULATION FOR THE AFFECTED CONDUCTORS SHALL HAVE A TEMP. RATING IN EXCESS OF THE TEMP. EXPECTED TO BE ENCOUNTERED.

D. WIRE CONNECTIONS AND DEVICES

THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY CONNECTIONS TO ALL EQUIPMENT REQUIRING ELECTRICAL SERVICE. UNLESS NOTED OTHERWISE, ALL SPLICES, JOINTS, TAPS, AND CONNECTIONS SHALL BE MADE IN JCT. BOXES OR EQUIP. ENCLOSURES. SPLICES SHALL NOT BE PERMITTED IN CONDUIT BODIES OR RACEWAYS. SPLICES SHALL BE MADE WITH INSULATED COMPRESSION TYPE CONNECTORS. SCREW-ON TYPE WIRE NUTS AND PUSH-IN CONNECTORS ARE PROHIBITED. SERVICE AND FEEDER CONDUCTORS SHALL BE INSTALLED THEIR ENTIRE LENGTH WITHOUT SPLICES. WHERE TAPS ARE REQUIRED FROM FEEDER OR SERVICE CONDUCTORS, TAPS SHALL BE MADE WITHOUT CUTTING MAIN CONDUCTORS. TAPS SHALL BE MADE WITH PARALLEL TYPE GUTTER TAP CONNECTORS HAVING INSULATED COVERS. DISTRIBUTION TYPE TERMINAL BLOCKS SHALL HAVE NUMBER OF POLES AS NEEDED, INTERMEDIATE SIZE, BOX TO BOX CONNECTORS. BRANCH CIRCUIT AND CONTROL CIRCUIT TERMINAL BLOCKS SHALL BE ONE PIECE BARRIER TYPE, 600 VAC, AND HAVE HIGH PRESSURE BOX LUG TERMINALS SUITABLE FOR COPPER CONDUCTORS.

E. SUPPORTING DEVICES AND MOUNTING HARDWARE, FASTENERS, NUTS, BOLTS, WASHERS, AND CONCRETE ANCHORS

EQUIPMENT SUPPORTS:

SUPPORTS SHALL BE SUITABLE FOR THE ENVIRONMENT AND SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF FIVE (5) TIMES THE ACTUAL LOAD OF THE EQUIPMENT ALONG WITH THE ANY ADDITIONAL LOADS LIKELY TO BE ENCOUNTERED. LUMINAIRES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURES. A SAFETY CHAIN OR WIRE SHALL BE INCLUDED AND BE CONNECTED FROM THE LUMINIAIRE TO THE STRUCTURE WHICH CAN SUPPORT THE EQUIPMENT. FABRICATED SUPPORTS FOR EQUIPMENT, WHEN APPLICABLE, SHALL BE SUBMITTED FOR APPROVAL BEFORE FABRICATION AND INSTALLATION.

CONDUIT SUPPORTS:

CONDUCTORS IN HORIZONTAL AND VERTICAL RACEWAYS (BOTH RIGID AND FLEXIBLE) SHALL BE SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.

MOUNTING HARDWARE, FASTENERS, NUTS, BOLTS, WASHERS, AND CONCRETE ANCHORING SYSTEMS:

UNLESS NOTED OTHERWISE, ALL MOUNTING HARDWARE, FASTENERS, NUTS, BOLTS, AND WASHERS SHALL BE MARINE DUTY STAINLESS STEEL WITH A MINIMUM 30,000 P.S.I. YIELD STRENGTH. MASONRY (OR CONCRETE) ANCHORS USED FOR MOUNTING EQUIPMENT TO CONCRETE STRUCTURES SHALL ONLY BE THOSE AS DESCRIBED BY CURRENT LADOTD MATERIALS LAB QUALIFIED PRODUCTS LIST (Q.P.L.) NO. 40 "CONCRETE ANCHOR SYSTEMS" PART A "MECHANICAL ANCHOR BOLT SYSTEM".

F. DEVICE AND JUNCTION/PULL BOXES

JUNCTION/PULL BOXES (UNDERGROUND):

JUNCTION BOX SHALL BE FABRICATED FROM FIBERGLASS REINFORCED POLYMER CONCRETE OR U.V. STABILIZED HIGH-DENSITY POLYETHYLENE HAVING U.V. STABILIZED GREEN, BLACK, OR GREY COLOR. BOX SHALL BE INSTALLED IN A 6" THICK CONCRETE PAD UNLESS SHOWN OTHERWISE ON THE PLANS. BOX AND COVER SHALL BE DESIGNED FOR USE IN ROADWAY APPLICATIONS AND BE HEAVY DUTY RATED 150 PSI OVER A 10"X10" AREA (MINIMUM). ALL BOX AND COVER HARDWARE SHALL BE AS DESCRIBED IN PARAGRAPH E "SUPPORTING DEVICES AND MOUNTING HARDWARE, FASTENERS, NUTS, BOLTS, WASHERS, AND CONCRETE ANCHORS". BOX COVER SHALL INCLUDE STANDARD "LIGHTING" LOGO. UNLESS NOTED OTHERWISE, BOX SHALL HAVE NOMINAL INTERIOR DIMENSIONS 12"(LENGTH) X 12"(WIDTH) X 12"(DEPTH), WITH DEPTH MEASURED FROM BOTTOM OF COVER TO BOTTOM OF BOX WHILE COVER IS INSTALLED. BOX AND COVER SHALL COMPLY WITH THREE (3) POSITION TESTING AS REQUIRED BY UNDERWRITER LABORATORIES (UL) OR WESTERN UNDERGROUND COMMITTEE (W.U.C.), GUIDELINE 3.6. FOR EQUIPMENT NOT UL OR W.U.C. 3.6 COMPLIANT, PROOF OF EQUIVALENT TESTING SHALL BE SUPPLIED BY A REGISTERED PROFESSIONAL ENGINEER. ALL DIMENSIONS ARE MINIMUM. JUNCTION BOXES AND THEIR CONCRETE APRON SHALL NOT BE INSTALLED WITHIN 4 FT. FROM THE ROADWAY SHOULDERS.

JUNCTION/PULL BOXES (STRUCTURE MOUNTED):

STRUCTURE MOUNTED JUNCTION/PULL BOXES SHALL BE CAST TYPE WITH NEOPRENE GASKET WITH MOUNTING LUGS. BOX AND COVER SHALL BE FABRICATED FROM CAST ALUMINUM AND SHALL BE A GENERAL PURPOSE ENCLOSURE UL LISTED AS TYPE NEMA 4X. BOXES SHALL BE SUITABLE FOR INDOOR/OUTDOOR APPLICATIONS OR WHERE SUBJECTED TO RAIN, DRIPPING, SPLASHING, OR HOSE DIRECTED WATER. ALL HARDWARE SHALL BE AS DESCRIBED IN PARAGRAPH E "SUPPORTING DEVICES AND MOUNTING HARDWARE, FASTENERS, NUTS, BOLTS, WASHERS, AND CONCRETE ANCHORS". REFER TO PLAN SHEETS FOR BOX SIZES.

G. GROUNDING AND BONDING

THE CONTRACTOR SHALL GROUND AND BOND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC. THE NEUTRAL CONDUCTOR BAR AND GROUND BAR SHALL BE BONDED ONLY AT THE RESPECTIVE SERVICE EQUIPMENT (I.E. SERVICE DISCONNECT, SERVICE PANEL, LIGHTING CONTROLLER, TRANSFORMER SECONDARIES, ETC.). WHEN APPLICABLE, THE ELECTRICAL SYSTEM SHALL BE GROUNDED TO COLD WATER PIPING SYSTEMS.

GROUNDING ELECTRODES:

UNLESS NOTED OTHERWISE IN THE PLANS, GROUNDING ELECTRODES SHALL BE 3/4" DIAMETER X 10' (MINIMUM) RODS CONSTRUCTED FROM NICKEL-SEALED HIGH QUALITY CARBON STEEL HAVING A CONSISTENT COVERING OF ELECTROLYTICALLY APPLIED COPPER (I.E. COPPER BONDED OR COPPER CLAD). ALL GROUNDING ELECTRODES SHALL BE UL LISTED.

GROUNDING ELECTRODE CONDUCTORS:

UNLESS NOTED OTHERWISE ON THE PLANS, GROUNDING ELECTRODE CONDUCTORS UTILIZED WITH BONDING GROUNDING ELECTRODES SHALL BE #2 SOLID BARE COPPER MINIMUM. WHEN CONNECTING GROUNDING ELECTRODE CONDUCTORS TO GROUNDING ELECTRODES, THE CONTRACTOR SHALL USE EXOTHERMIC WELDS ("CADWELD", "THERMOWELD" OR APPROVED EQUAL). REFER TO MANUFACTURER'S SPECIFIC INSTRUCTIONS AND MOLDS FOR EACH WELD TO PROVIDE PERMANENT, LOW-RESISTANCE LIFETIME CONNECTIONS THAT WILL NOT LOOSEN OR CORRODE. WHEN MULTIPLE GROUND ELECTRODES ARE REQUIRED, GROUNDING ELECTRODE CONDUCTORS MAY BE CUT PROVIDED AN APPROPRIATE EXOTHERMIC WELD IS UTILIZED TO ATTACH THE GROUNDING ELECTRODE CONDUCTOR TO EACH GROUNDING ELECTRODE. ALL GROUNDING ELECTRODE CONDUCTORS SHALL BE INSTALLED UNBROKEN FROM THE GROUNDING ELECTRODES TO THE RESPECTIVE SERVICE EQUIPMENT (I.E. SERVICE DISCONNECT, SERVICE PANEL, LIGHTING CONTROLLER, TRANSFORMER SECONDARIES, ETC.). ALL EXPOSED GROUNDING ELECTRODE CONDUCTOR DROPS FROM ENCLOSURES TO GROUNDING ELECTRODES OUTSIDE SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT (MINIMUM).

EQUIPMENT GROUNDING CONDUCTORS:

ALL CONDUITS SHALL CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR OF SIZE AS INDICATED ON THE PLANS. UNLESS NOTED OTHERWISE IN THE PLANS, EQUIPMENT GROUNDING CONDUCTORS INSTALLED IN NONMETALLIC CONDUITS SHALL BE BARE, SOLID, COPPER. ALL OTHER EQUIPMENT GROUNDING CONDUCTORS SHALL BE STRANDED COPPER HAVING INSULATION COLOR AS INDICATED UNDER PARAGRAPH M ON PLAN SHEET E1 AND OF TYPE AS INDICATED IN THE PLANS.

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

E3

SHEET NUMBER	71
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	BH
CHECKED	SJ
DETAILED	BH
CHECKED	SJ
DATE	07/18/25
SHEET	

NO	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

ELECTRICAL SPECIFICATIONS

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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07/24/2025 09:14

ELECTRICAL SPECIFICATIONS:

A. LAMPS

1) ROADWAY LUMINAIRE :

LUMINAIRES ON TRUSS ARMS SHALL BE 4K-LED COBRA HEAD FIXTURE WITH CUTOFF REFRACTOR AND EXTERIOR LIGHT SHIELD. EXTERIOR HOUSING OF LUMINAIRE SHALL BE METALLIC SILVER AND COMPATIBLE WITH COLOR OF SPUN ALUMINUM POLES. LUMINAIRE MANUFACTURED BY AEL-AUTOBAHN SERIES # ATB2P601480R3P7SH, SHALL BE THE STANDARD OF QUALITY REQUIRED; (MINIMUM 10 HOURS PER START). LAMP SHALL BE CLEAR, EPA COMPLIANT, AND HAVE MEAN LAMP LUMEN OUTPUT NOT LESS THAN 90% OF INITIAL LAMP LUMENS. LAMP SHALL HAVE A CERAMIC INSULATOR, AND 3 YEAR REPLACEMENT WARRANTY. MINIMUM INITIAL LAMP LUMENS FOR LED-4K LAMPS SHALL BE AS FOLLOWS:

WATTAGE	INITIAL LUMENS
150	24,000

B. ROADWAY LUMINAIRE , "COBRAHEAD TYPE")

THE LUMINAIRE SHALL BE OF THE "COBRA HEAD" CONSTRUCTION DESIGNED FOR USE IN ROADWAY LIGHTING APPLICATIONS. THE LUMINAIRE MANUFACTURER, TYPE, AND MODEL SHALL BE AS SHOWN ON THE PLANS. THE FOLLOWING SPECIFICATIONS DETAIL THE MECHANICAL, ELECTRICAL, AND OPTICAL PROPERTIES REQUIRED FOR EACH LUMINAIRE.

ALL LUMINAIRE PARTS, EXTERIOR AND INTERIOR, SHALL BE DESIGNED SUCH THAT WHEN IN CONTACT WITH ONE ANOTHER SHALL HAVE MINIMAL POTENTIAL DIFFERENCE IN ORDER TO PREVENT CORROSION DUE TO ELECTROCHEMICAL REACTION. NON-ALUMINUM METAL PARTS SHALL ALSO BE TREATED WITH CORROSION RESISTANT FINISH. THE EXTERNAL FINISH OF EACH LUMINAIRE SHALL BE A COLOR-TYPE AS INDICATED ON THE PLANS AND SHALL BE OF SUCH QUALITY THAT IT WILL NOT, UNDER NORMAL ENVIRONMENTAL CONDITIONS, BLISTER, CRACK, FADE, OR PEEL FOR THE FUNCTIONAL LIFE OF THE LUMINAIRE. THE FINISH SHALL NOT HAVE RUNS, STREAKS OR FOREIGN MATERIALS ON THE SURFACE AND HAVE BEEN EVENLY AND THOROUGHLY APPLIED. LUMINAIRE SHALL PASS 1000 HOUR SALT SPRAY TESTS AND EXHIBIT NO CRACKING OR LOSS OF ADHESION.

THE LUMINAIRE HOUSING ASSEMBLY SHALL BE CONSTRUCTED FROM PRESSURE DIE CAST ALUMINUM. HOUSING ACCESS SHALL NOT REQUIRE TOOLS. THE FITTER SHALL BE BUILT IN AND ACCOMMODATE A STANDARD 2 INCH TENON FOR PROPER INSTALLATION. THERE SHALL BE NO ROUGH OR JAGGED EDGES PROTRUDING IN THE INTERIOR OR ON THE EXTERIOR BODY OR EDGES OF THE ASSEMBLY. THE LUMINAIRE SHALL BE PROVIDED WITH A FIELD IDENTIFICATION LABEL ON THE LOWER EXTERNAL SURFACE OF THE UNIT. THE LABEL SHALL IDENTIFY LAMP TYPE AND SIZE AND CONFORM TO ANSI C-136 STANDARD. THE LUMINAIRE SHALL CONSIST OF 2 SECTIONS READILY SEPARABLE FROM ONE ANOTHER. ALL SECTIONS SHALL BE WELL MATCHED TO ONE ANOTHER AND WHEN FULLY ASSEMBLED, THE LUMINAIRE SHALL BE SOLIDLY AND TIGHTLY COMPOSED. THE LOWER BODY SHALL BE HINGE MOUNTED TO THE UPPER BODY AND WHEN IN THE OPEN POSITIONS SHALL ALLOW ACCESS TO THE ELECTRICAL AND/OR THE OPTICAL COMPARTMENTS. THE HINGE SHALL BE CAPABLE OF RETAINING THE LOWER BODY TO THE UPPER BODY UNSUPPORTED DURING WIND LOADS WITH MAXIMUM GUST VELOCITY OF 110 MILES PER HOUR. THE UPPER AND LOWER BODIES SHALL BE LOCKED IN THE CLOSED POSITION WITH A READILY ACCESSIBLE VIBRATION PROOF LATCH. THE LATCH SHALL BE DESIGNED TO PREVENT ACCIDENTAL OPENING AND MAY BE OPENED WITHOUT THE AID OF TOOLS. THE LUMINAIRE SHALL NOT HAVE A TWIST-LOCK TYPE PHOTO ELECTRICAL CONTROL RECEPTACLE. THE LENS GLASS SHALL BE HELD SECURELY IN THE LOWER BODY WITH A COMBINATION OF PERMANENT AND REMOVABLE LUGS. THE POSITIONING OF THE LUGS SHALL ALLOW FOR EXPANSION OF THE LENS BUT WILL SEAT THE LENS SECURELY ENOUGH TO PREVENT THE LENS FROM ACCIDENTALLY COMING OUT OF THE LOWER BODY IN EITHER THE OPEN OR CLOSED POSITION. A ONE-PIECE REFLECTOR SHALL BE MOUNTED IN THE UPPER HOUSING WITH SPRING FASTENERS AND SHALL SECURELY SEAT ON THE LENS RIM WITH GASKET IN PLACE AND THE LUMINAIRE CLOSED. THE GASKET SHALL BE SECURED TO EITHER THE REFLECTOR OR THE LENS TO SEAL THE OPTICAL CHAMBER. THE GASKET SHALL BE DESIGNED TO BE USED FOR THE LIFETIME OF THE LUMINAIRE. THE GASKET SHALL BE ATTACHED SUCH THAT IT CAN BE REPLACED IN THE FIELD SHOULD IT BE REQUIRED. THE GASKET SHALL BE CONSTRUCTED OF PROPYLENE OR POLYESTER MATERIAL.

THE LAMP SOCKET SHALL BE PULSE RATED, NICKEL-PLATED AND LAMP GRIP PORCELAIN ENCLOSED. THE SOCKET HOUSING SHALL BE SECURELY SEATED INTO THE OPTICAL CHAMBER USING A HEAT RESISTANT GASKET BETWEEN THE REFLECTOR AND THE SOCKET AS WELL AS POSITIVE MECHANICAL MEANS TO INSURE THE SEALING. THE REFLECTOR SHALL BE CONSTRUCTED FROM HIGH PURITY (#3002 ALLOY) ALUMINUM. THE REFLECTING SURFACE SHALL NOT CHAR, BURN, NOR GIVE OFF FUMES WHEN HEATED. THE HEAT TRANSFER COEFFICIENT SHALL BE EQUAL TO THAT OF REFLECTOR SHEET. THE FINISH SHALL BE IMPERVIOUS TO DUST AND DIRT IN A NORMAL ENVIRONMENT. PERIODIC CLEANING WITH A SOAP AND WATER SOLUTION SHALL NEITHER DAMAGE NOR REDUCE THE REFLECTIVITY OF THE FINISH. THE LENS SHALL BE CONSTRUCTED OF HEAT RESISTANT, THERMAL, SHOCK TREATED, CLEAR BOROSILICATE GLASS OF TYPE AS INDICATED ON THE PLANS. ALL BALLAST COMPONENTS SHALL BE MOUNTED ON AN EASY ACCESSIBLE PLATE FOR IN-PLACE MAINTENANCE OR REMOVAL WHEN THE LUMINAIRE IS OPEN. THE BALLAST SHALL BE AN INTEGRAL PART OF THE LUMINAIRE AND BE ELECTRICALLY CONNECTED TO THE LUMINAIRE WITH QUICK DISCONNECT PLUGS. THE LUMINAIRE SHALL BE READY FOR IMMEDIATE INSTALLATION WITH ALL ELECTRICAL COMPONENTS AND CONNECTIONS PRE-WIRED AT THE FACTORY.

THE LAMP SHALL HAVE CHARACTERISTICS AS DESCRIBED IN PARAGRAPH A "LAMPS" OF THESE ELECTRICAL SPECIFICATIONS. THE BALLAST TYPE SHALL BE MAGNETIC REGULATOR (MAG REG) TYPE WITH LINE VOLTAGE AS INDICATED ON THE PLANS. THE LUMINAIRE WITH LAMP SHALL PROVIDE THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) LIGHT DISTRIBUTION CHARACTERISTICS AS SPECIFIED ON THE PLANS.

THE LUMINAIRE WITH LAMP SHALL MEET ANSI C136.31 REQUIREMENTS (3G RATING) FOR BRIDGE AND UNDERPASS VIBRATION AND PROVIDE A MINIMUM AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE ON THE ROADWAY OF 0.60 TO 0.80 FOOT-CANDLES (FC), 4 TO 1 (MAXIMUM) AVERAGE TO MINIMUM (UNIFORMITY) RATIO. ILLUMINANCE CRITERIA SHALL BE CALCULATED WITH A LIGHT LOSS FACTOR (L.L.F.) OF 0.80 (MAXIMUM). FOR ALL ROADWAY CONFIGURATION CASES ON THE PLANS, THE PREVIOUSLY SPECIFIED ILLUMINATION PERFORMANCE CRITERIA SHALL BE CALCULATED USING PUBLISHED DATA OBTAINED FROM TESTS CONDUCTED IN ACCORDANCE WITH CURRENT IESNA TESTING PROCEDURES.

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

E4

SHEET NUMBER 72

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

	DESIGNED	DETAILED	DATE	BY
	BH	BH	07/18/25	
	SJ	SJ	SHEET	

NO.	DATE	REVISION DESCRIPTION

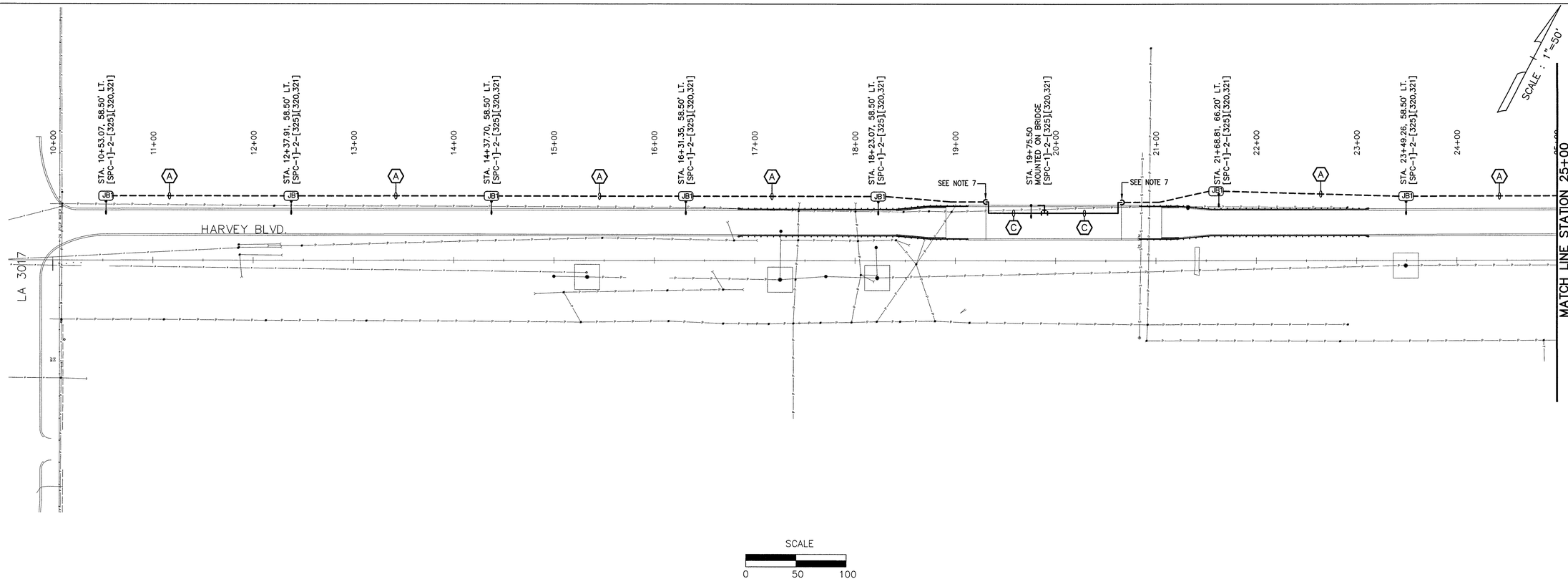
STATE OF LOUISIANA

LAMP AND LUMINAIRE SPECIFICATIONS

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD

PERRIN & CARTER, INC.



LEGEND (ELECTRICAL, NEW)

	ITEM NO.	
----	409, 414, 415	CONDUIT, UNDERGROUND
———	408, 414, 415	CONDUIT, ABOVE GROUND
▭	410	CASING, JACKED OR BORED (REFER TO NOTE #3)
●—●	320, 325	LIGHT POLE (REFER TO NOTE #4)
JB1	306	UNDERGROUND JUNCTION BOX, JB-1 IN CONCRETE MOWING APRON
JB2	307	UNDERGROUND JUNCTION BOX, JB-2 IN CONCRETE MOWING APRON
DM	400	DUCT MARKER
??		CONDUIT LABEL

NOTES:

1. THIS SHEET IS INTENDED ONLY AS A GENERAL OVERVIEW OF THE WORK REQUIRED. OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
2. REFER TO PLAN SHEETS E17–E19 FOR EQUIPMENT DESCRIPTIONS ASSOCIATED WITH EACH ITEM NUMBER.
3. LABELED CONDUIT RUNS SHOWN CROSSING ROADWAYS, DRIVEWAYS, ETC. SHALL BE INSTALLED IN PROTECTIVE 6" SCHEDULE 80 PVC CASING INSTALLED BY JACK & BORE.
4. CONTRACTOR SHALL INSTALL ONE (1) ITEM 306 "UNDERGROUND JUNCTION BOX (JB-1)" IN CONCRETE MOWING APRON OF EACH GROUND MOUNTED LOW MAST POLE. THE CONTRACTOR SHALL DETERMINE THE DIFFERENCE BETWEEN THE ROADWAY ELEVATION AND THE TOP OF FOUNDATION ELEVATION AND ADJUST THE POLE HEIGHT ACCORDINGLY AT EACH LOW MAST LOCATION TO ENSURE THAT THE POLE ASSEMBLY ACHIEVES THE REQUIRED NOMINAL MOUNTING HEIGHT ABOVE THE ROADWAY. THE TOP OF THE POLE FOUNDATION MUST BE INSTALLED SUCH THAT A VEHICLE WILL PASS OVER THE FOUNDATION. THIS INFORMATION SHALL BE PROVIDED TO THE DESIGN ENGINEER FOR APPROVAL PRIOR TO THE PURCHASE OF ANY EQUIPMENT.
5. FOR ALL UNDERGROUND CONDUIT INSTALLATIONS, THE CONTRACTOR SHALL INSTALL MARKER TAPE. REFER TO ITEM 424 FOR ADDITIONAL REQUIREMENTS.
6. REFER TO NOTE 9 ON PLAN SHEET E2 FOR EXISTING OVERHEAD AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS.
7. INSTALL CONDUIT EXPANSION FITTING ITEM 412 WITH BONDING STRAP ITEM 421 IN A VERTICAL POSITION ABOVE GRADE ON EACH CONDUIT THAT RISES FROM BELOW GRADE AND ATTACHES TO BRIDGE. INSTALL THE REQUIRED EXPANSION FITTINGS W/ BONDING STRAPS BETWEEN GRADE LEVEL AND THE FIRST RIGID ALUMINUM 90° "LB" CONDULET FITTING OR BEND IN THE CONDUIT BEING ATTACHED TO BRIDGE OR ANY OTHER ATTACHMENT OF THE CONDUIT TO BRIDGE. CONDUITS RISING FROM GROUND TO BRIDGE SHALL ATTACH AT BENT # 1 AND BENT # 4. DO NOT ATTACH CONDUITS TO APPROACH SLAB OF APPROACH SLAB BARRIER.

POLE OFFSET FROM BASELINE (FEET)

STATION → STA. XXX+XX.XX (RAMP OR HIGHWAY), XX RT./LT.
[XXX]-X-[XXX],[XXX,XXX]

SECONDARY POWER CONTROLLER
CIRCUIT #
POLE (ITEM #)
LUMINAIRE, LAMP (ITEM #)

LABEL	CONDUCTORS AND CONDUIT SCHEDULE	ITEM NO.
A	CONDUIT WITH CONDUCTORS (2") (2#4, 1#4 BARE SOLID GROUND)	409, 414, 415
C	CONDUIT WITH CONDUCTORS : RIGID ALUM. 2" CONDUIT WITH (2#4, 1#4 BARE SOLID GROUND) ATTACHED TO BRIDGE	408, 414, 415

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED
PROFESSIONAL ENGINEER
CIVIL ENGINEER

E5

SHEET NUMBER 73
PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208
DESIGNED BH
CHECKED SJ
DETAILED BH
CHECKED SJ
DATE 07/18/25
SHEET
NO DATE REVISION DESCRIPTION BY

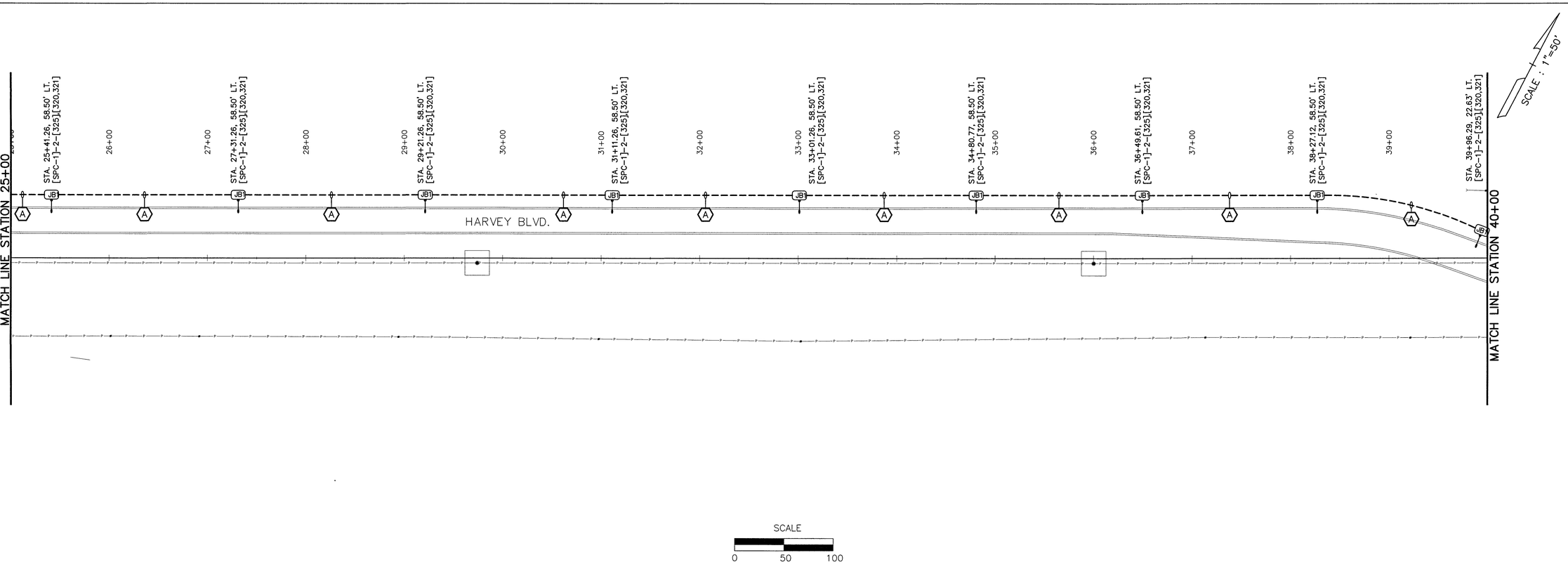
LIGHTING PLAN

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

PERRIN & CARTER, INC.

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SCALE

0 50 100

LEGEND (ELECTRICAL, NEW)

	ITEM NO.	
———	409, 414, 415	CONDUIT, UNDERGROUND
▭	410	CASING, JACKED OR BORED (REFER TO NOTE #3)
●—●	320, 325	LIGHT POLE (REFER TO NOTE #4)
JB1	306	UNDERGROUND JUNCTION BOX, JB-1 IN CONCRETE MOWING APRON
JB2	307	UNDERGROUND JUNCTION BOX, JB-2 IN CONCRETE MOWING APRON
DM	400	DUCT MARKER
??		CONDUIT LABEL

NOTES:

1. THIS SHEET IS INTENDED ONLY AS A GENERAL OVERVIEW OF THE WORK REQUIRED. OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
2. REFER TO PLAN SHEETS E17-E19 FOR EQUIPMENT DESCRIPTIONS ASSOCIATED WITH EACH ITEM NUMBER.
3. LABELED CONDUIT RUNS SHOWN CROSSING ROADWAYS, DRIVEWAYS, ETC. SHALL BE INSTALLED IN PROTECTIVE 6" SCHEDULE 80 PVC CASING INSTALLED BY JACK & BORE.
4. CONTRACTOR SHALL INSTALL ONE (1) ITEM 306 "UNDERGROUND JUNCTION BOX (JB-1)" IN CONCRETE MOWING APRON OF EACH LOW MAST POLE. THE CONTRACTOR SHALL DETERMINE THE DIFFERENCE BETWEEN THE ROADWAY ELEVATION AND THE TOP OF FOUNDATION ELEVATION AND ADJUST THE POLE HEIGHT ACCORDINGLY AT EACH LOW MAST LOCATION TO ENSURE THAT THE POLE ASSEMBLY ACHIEVES THE REQUIRED NOMINAL MOUNTING HEIGHT ABOVE THE ROADWAY. THE TOP OF THE POLE FOUNDATION MUST BE INSTALLED SUCH THAT A VEHICLE WILL PASS OVER THE FOUNDATION. THIS INFORMATION SHALL BE PROVIDED TO THE DESIGN ENGINEER FOR APPROVAL PRIOR TO THE PURCHASE OF ANY EQUIPMENT.
5. FOR ALL UNDERGROUND CONDUIT INSTALLATIONS, THE CONTRACTOR SHALL INSTALL MARKER TAPE. REFER TO ITEM 424 FOR ADDITIONAL REQUIREMENTS.
6. REFER TO NOTE 9 ON PLAN SHEET E2 FOR EXISTING OVERHEAD AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS.

POLE OFFSET FROM BASELINE (FEET)

STATION → STA. XXX+XX.XX (RAMP OR HIGHWAY), XX RT./LT.
[XXX]-X-[XXX],[XXX,XXX]

SECONDARY POWER CONTROLLER
CIRCUIT #
POLE (ITEM #)
LUMINAIRE, LAMP (ITEM #)

LABEL	CONDUCTORS AND CONDUIT SCHEDULE	ITEM NO.
(A)	CONDUIT WITH CONDUCTORS (2") (2#4, 1#4 BARE SOLID GROUND)	409, 414, 415

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG No 19229
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

E6

SHEET NUMBER 74

PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208

DESIGNED BH
CHECKED SJ
DETAILED BH
CHECKED SJ
DATE 07/18/25
SHEET

NO. DATE BY REVISION DESCRIPTION

LIGHTING PLAN

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

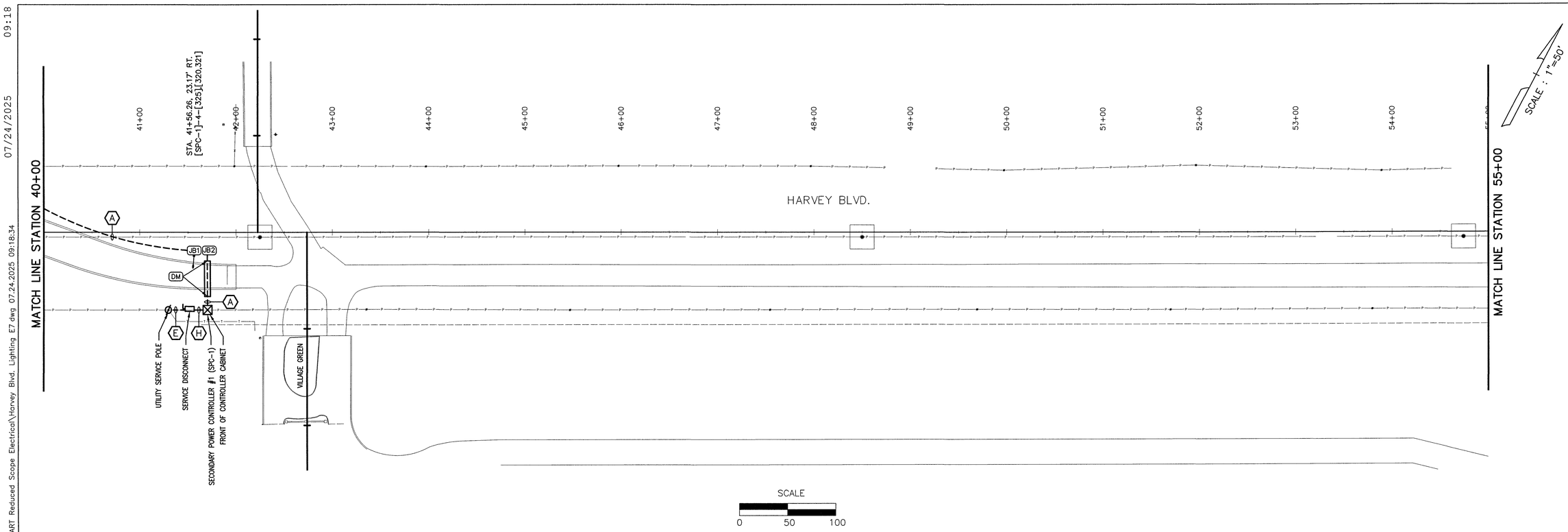
DOTD

PERRIN & CARTER, INC.

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LEGEND (ELECTRICAL, NEW)

	ITEM NO.	
———	409, 414, 415	CONDUIT, UNDERGROUND
▭	410	CASING, JACKED OR BORED (REFER TO NOTE #3)
●—●	320, 325	LIGHT POLE (REFER TO NOTE #4)
JB1	306	UNDERGROUND JUNCTION BOX, JB-1 IN CONCRETE MOWING APRON
JB2	307	UNDERGROUND JUNCTION BOX, JB-2 IN CONCRETE MOWING APRON
DM	400	DUCT MARKER
⬡ ??		CONDUIT LABEL
⊠	200-223	ELECTRICAL SERVICE POINT (STRUCTURE)

NOTES:

1. THIS SHEET IS INTENDED ONLY AS A GENERAL OVERVIEW OF THE WORK REQUIRED. OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
2. REFER TO PLAN SHEETS E17-E19 FOR EQUIPMENT DESCRIPTIONS ASSOCIATED WITH EACH ITEM NUMBER.
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4. CONTRACTOR SHALL INSTALL ONE (1) ITEM 306 "UNDERGROUND JUNCTION BOX (JB-1)" IN CONCRETE MOWING APRON OF EACH LOW MAST POLE. THE CONTRACTOR SHALL DETERMINE THE DIFFERENCE BETWEEN THE ROADWAY ELEVATION AND THE TOP OF FOUNDATION ELEVATION AND ADJUST THE POLE HEIGHT ACCORDINGLY AT EACH LOW MAST LOCATION TO ENSURE THAT THE POLE ASSEMBLY ACHIEVES THE REQUIRED NOMINAL MOUNTING HEIGHT ABOVE THE ROADWAY. THE TOP OF THE POLE FOUNDATION MUST BE INSTALLED SUCH THAT A VEHICLE WILL PASS OVER THE FOUNDATION. THIS INFORMATION SHALL BE PROVIDED TO THE DESIGN ENGINEER FOR APPROVAL PRIOR TO THE PURCHASE OF ANY EQUIPMENT.
5. FOR ALL UNDERGROUND CONDUIT INSTALLATIONS, THE CONTRACTOR SHALL INSTALL MARKER TAPE. REFER TO ITEM 424 FOR ADDITIONAL REQUIREMENTS.
6. REFER TO NOTE 9 ON PLAN SHEET E2 FOR EXISTING OVERHEAD AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS.

POLE OFFSET FROM BASELINE (FEET)

STATION → STA. XXX+XX.XX (RAMP OR HIGHWAY), XX RT./LT.
[XXX]-X-[XXX],[XXX,XXX]

SECONDARY POWER CONTROLLER
CIRCUIT #
POLE (ITEM #)
LUMINAIRE, LAMP (ITEM #)

LABEL	CONDUCTORS AND CONDUIT SCHEDULE	ITEM NO.
⬡ A	CONDUIT WITH CONDUCTORS (2") (2#4, 1#4 BARE SOLID GROUND)	409, 414, 415
⬡ B	CONDUIT WITH CONDUCTORS (2") (4#4, 1#4 BARE SOLID GROUND)	409, 414, 415
⬡ E	CONDUIT WITH CONDUCTORS (2") (3#2), COORDINATE WITH UTILITY CO.	409, 414
⬡ H	CONDUIT WITH CONDUCTORS (2") (2#2, 1#2 WHITE NEUTRAL, 1#8 GROUND)	409, 414

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED
PROFESSIONAL ENGINEER
BY: H. G. Hawney
ELECTRICAL ENGINEER

E7

SHEET NUMBER 75

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED	DETAILED	DATE
BH	BH	07/18/25
CHECKED	CHECKED	SHEET
SJ	SJ	

NO	REVISION DESCRIPTION	BY	DATE

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

LIGHTING PLAN

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

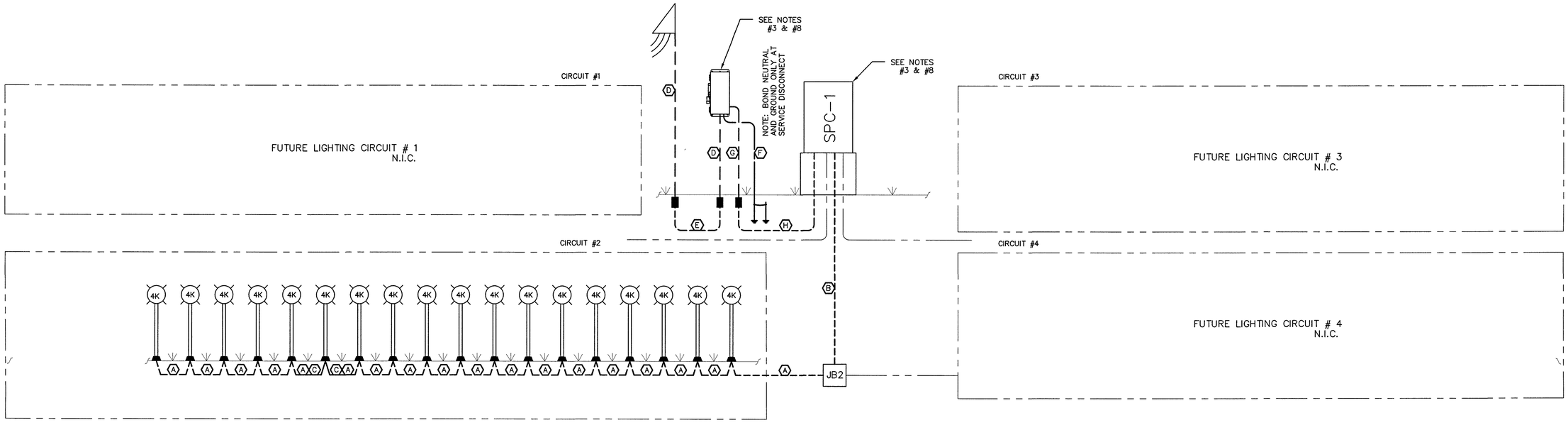
DOTD

PERRIN & CARTER, INC.

NOT USED

NOT USED

DOTD PERRIN & CARTER, INC.	NOT USED HARVEY BLVD EXT (PETERS RD–MANHATTAN)	STATE OF LOUISIANA	NO. / DATE / REVISION DESCRIPTION / BY	DESIGNED MAC CHECKED DFB DETAILED RMM CHECKED MAC DATE SHEET 07/18/25	PARISH JEFFERSON CONTROL SECTION 000–26 STATE PROJECT H.007208	SHEET NUMBER 76



SECONDARY POWER CONTROLLER "SPC-1" RISER DIAGRAM

(VIEW FROM SOUTHEAST LOOKING NORTHWEST)

N.I.C. = (NOT IN CONRACT)

NOTE:

1. REFER TO PLAN, PLAN DETAIL SHEETS, AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. ALL EQUIPMENT (JUNCTION BOXES, EXPANSION FITTINGS, PROTECTIVE CASINGS FOR ROADWAY CROSSINGS, DUCT MARKERS, ETC.) NOT SHOWN FOR CLARITY. RISER LAYOUT MAY NOT SHOW THE ACTUAL VIEW AND LOCATION OF ELECTRICAL EQUIPMENT.
3. REFER TO PLAN SHEET E11 "SUPPORT STRUCTURE DETAIL" FOR SUPPORT STRUCTURE AND LIGHTING CONTROLLER REQUIREMENTS. REFER TO PLAN SHEETS E12 FOR ADDITIONAL INFORMATION. THE COSTS OF ALL CONDUIT WITH CONDUCTORS INSTALLED ON THE SUPPORT STRUCTURE NOT LABELED AS SPECIFIC CONDUIT WITH CONDUCTOR PAY ITEMS SHALL BE INCLUDED IN THE COST OF ELECTRICAL SERVICE POINT PAY ITEM.
4. THE CONTRACTOR SHALL INSTALL MARKER TAPE IN ALL UNDERGROUND CONDUIT INSTALLATIONS. REFER TO ITEM #424 FOR ADDITIONAL MARKER TAPE REQUIREMENTS.
5. EACH LOW MAST POLE INSTALLATION SHALL INCLUDE ONE (1) MODULAR BREAKAWAY CABLE SYSTEM (ITEMS 300-304).
6. SERVICE TRANSFORMER(S), POLE MOUNTED, CENTER-TAPPED, 240/480 VOLT, SINGLE PHASE, 60 HERTZ, WITH FOUNDATION (OR PAD). FOUNDATION AND APPURTENANCES TO BE PROVIDED AND INSTALLED BY CONTRACTOR. SERVICE TRANSFORMERS TO BE PROVIDED AND INSTALLED BY ENTERGY CORPORATION. NOTE: kVA RATING OF SERVICE TRANSFORMERS SHALL BE AS REQUIRED BY ENTERGY CORPORATION. REFER TO PLAN SHEET E10 "POLE SCHEDULE AND ELECTRICAL SCHEMATIC" FOR LIGHTING SYSTEM DESIGN kVA LOADS.
7. REFER TO PLAN SHEETS E17-E19 FOR EQUIPMENT DESCRIPTIONS ASSOCIATED WITH EACH ITEM NUMBER.
8. REFER TO PLAN SHEET E16 DETAILS FOR LABELING REQUIREMENTS.

WIRE & CONDUIT SCHEDULE

- (A) CONDUIT WITH CONDUCTORS (PVC/HDPE) (2") (2#4, 1#4 BARE SOLID GROUND)
- (B) CONDUIT WITH CONDUCTORS (PVC/HDPE) (2") (4#4, 1#4 BARE SOLID GROUND)
- (C) CONDUIT WITH CONDUCTORS (RIGID ALUMINUM) (2") (2#4, 1#4 BARE SOLID GROUND)
- (D) CONDUIT WITH CONDUCTORS (RIGID GALV STEEL) (2") (3#2)
- (E) CONDUIT WITH CONDUCTORS (PVC/HDPE) (2") (3#2)
- (F) CONDUIT WITH GROUNDING ELECTRODE CONDUCTOR (PVC/HDPE) (3/4") (1#2 BARE SOLID GROUND)
- (G) CONDUIT WITH CONDUCTORS (RIGID GALV STEEL) (2") (2#2, 1#2 WHITE NEUTRAL, 1#8 GREEN INSULATED GROUND)
- (H) CONDUIT WITH CONDUCTORS (PVC/HDPE) (2") (2#2, 1#2 WHITE NEUTRAL, 1#8 GREEN INSULATED GROUND)

LEGEND

- CONDUIT WITH CONDUCTORS, (ITEMS #407, 414, 415)
- CONDUIT WITH CONDUCTORS, STRUCTURE MOUNT (ITEMS #408, 414, 415)
- CONDUIT WITH CONDUCTORS, UNDERGROUND (ITEMS #409, 414, 415)
- NON-METALIC CONDUIT COUPLING (TRANSITION BETWEEN RGS & PVC)
- LIGHT POLE (ITEMS #325, 326)
- GROUND POINT (REFER TO PLAN SHEET E3 "PARAGRAPH G" FOR ADDITIONAL GROUNDING REQUIREMENTS)
- (??) CONDUIT LABEL
- (#) LUMINAIRE (# = LED COLOR) (ITEMS #320)
- SECONDARY POWER CONTROLLER, STRUCTURE MOUNT (ITEMS #200-223)
- SERVICE DISCONNECT (ITEM #103)
- JB JUNCTION BOX (ITEM #307)

07/18/2025
STATE OF LOUISIANA
HENRY G HAWNEY
REG No. 19229
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

E9

SHEET NUMBER 77

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED	DETAILED	DATE
BH	BH	07/18/25
CHECKED	CHECKED	SHEET
SJ	SJ	

NO.	REVISION DESCRIPTION	DATE	BY

RISER DIAGRAM (SPC-1)

(HARVEY BLVD EXT (PETERS RD TO MANHATTAN))

DOTD

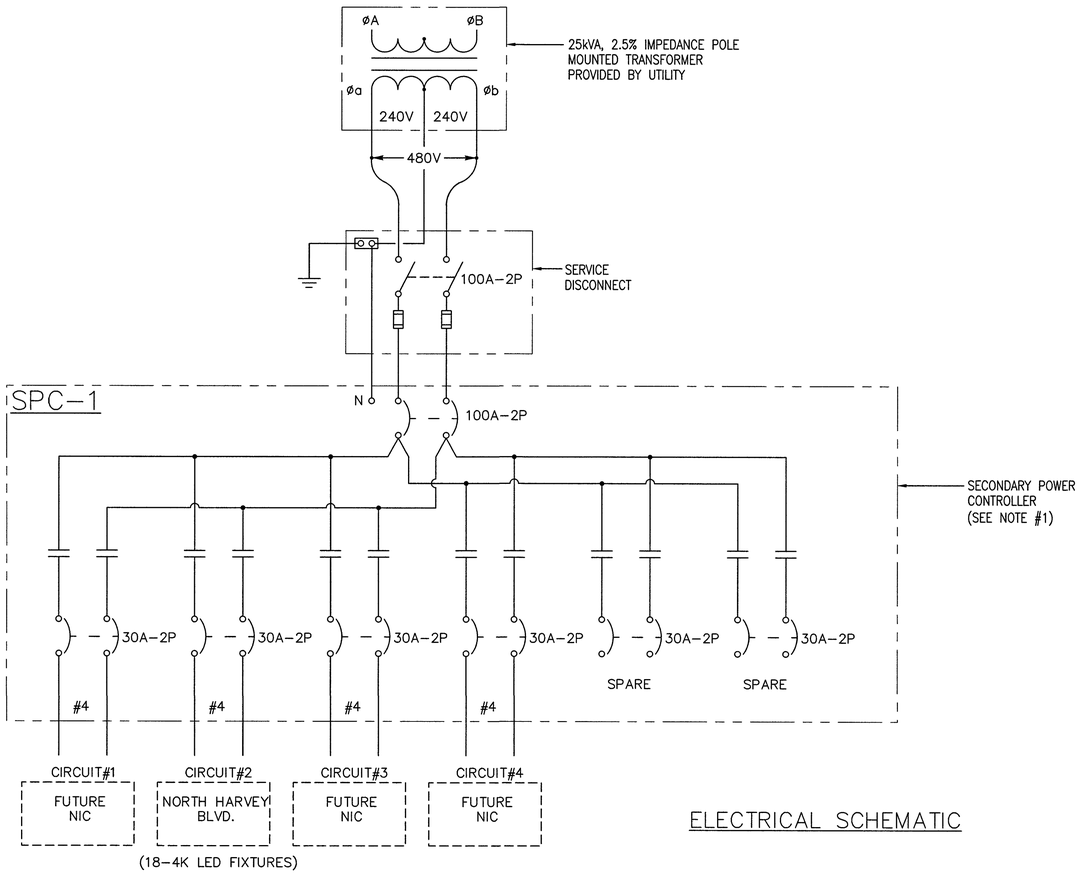
PERRIN & CARTER, INC.

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07/24/2025 09:19

LIGHT POLE SCHEDULE

LUMINAIRE SUPPORT					LOCATION					FOUNDATION			LUMINAIRE				STRUCTURAL DESIGN DATA						
POLE ID NO.	SPC. NO.	CKT. NO.	POLE NO.	ITEM NO.	ROUTE/ ALIGNMENT	STATION	OFFSET (FT–LT/RT)	LATITUDE	LONGITUDE	MT. TYPE.	TOP ELEV. (FT.)	LENGTH (FT.)	MT. HEIGHT (FT.)	ITEM. NO.	QUANTITY	AMP @ 480 V)	RISK CATEGORY	MRI	BASIC WIND SPEED (MPH)	EXPOSURE CATEGORY	Z (FT.)	DRAG COEFF.	MAX. WIND PRESS. (PSF)
1.2.1	1	2	1	325	HARVEY BLVD.	10+53.07	58.50' –LT.	N/A	N/A	G	16.80	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.2	1	2	2	325	HARVEY BLVD.	12+37.91	58.50' –LT.	N/A	N/A	G	17.62	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.3	1	2	3	325	HARVEY BLVD.	14+37.70	58.50' –LT.	N/A	N/A	G	17.20	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.4	1	2	4	325	HARVEY BLVD.	16+31.35	58.50' –LT.	N/A	N/A	G	18.12	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.5	1	2	5	325	HARVEY BLVD.	18+23.07	58.50' –LT.	N/A	N/A	G	18.95	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.6	1	2	6	325	HARVEY BLVD.	19+75.50	58.70' –LT.	N/A	N/A	S	SEE BRIDGE	N/A	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.7	1	2	7	325	HARVEY BLVD.	21+65.56	58.50' –LT.	N/A	N/A	G	18.95	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.8	1	2	8	325	HARVEY BLVD.	23+49.26	58.50' –LT.	N/A	N/A	G	18.20	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.9	1	2	9	325	HARVEY BLVD.	25+41.26	58.50' –LT.	N/A	N/A	G	17.20	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.10	1	2	10	325	HARVEY BLVD.	27+31.26	58.50' –LT.	N/A	N/A	G	17.48	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.11	1	2	11	325	HARVEY BLVD.	29+21.26	58.50' –LT.	N/A	N/A	G	17.32	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.12	1	2	12	325	HARVEY BLVD.	31+11.26	58.50' –LT.	N/A	N/A	G	17.42	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.13	1	2	13	325	HARVEY BLVD.	33+01.26	58.50' –LT.	N/A	N/A	G	17.40	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.14	1	2	14	325	HARVEY BLVD.	34+80.77	58.50' –LT.	N/A	N/A	G	17.30	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.15	1	2	15	325	HARVEY BLVD.	36+49.61	58.50' –LT.	N/A	N/A	G	17.60	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.16	1	2	16	325	HARVEY BLVD.	38+27.12	58.50' –LT.	N/A	N/A	G	17.18	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.17	1	2	17	325	HARVEY BLVD.	39+42.58	22.63' –LT.	N/A	N/A	G	17.50	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5
1.2.18	1	2	18	325	HARVEY BLVD.	41+56.26	23.17' –RT.	N/A	N/A	G	16.28	13.5	35.0	320	1	0.383	II	1700	130	C	30.0	0.5	34.5



ELECTRICAL SCHEMATIC

SERVICE POINT DESIGN LOADINGS:

SECONDARY POWER CONTROLLER	AMPERAGE @ 480V / 1ø	kVA @ 480V / 1ø
SPC–1	42.51	21.5

NOTES:

1. REFER TO SHEET E12 "DETAIL 6" FOR PHOTO–CONTROL WIRING.
2. WIRES SHOWN FEEDING LOADS MAY CHANGE FURTHER INTO WIRE AND CONDUIT SYSTEM. REFER TO LIGHTING PLAN SHEETS E5–E7 AND RISER DIAGRAM SHEET E9 FOR CONDUIT AND WIRE SCHEDULES AND ADDITIONAL REQUIREMENTS.
3. POLE SEQUENCE NUMBERING SHALL BE COORDINATED WITH THE PROJECT ENGINEER, ELECTRICAL DESIGN AND THE PARISH OF JEFFERSON (AND THEIR MAINTENANCE REPRESENTATIVE) PRIOR TO INSTALLATION OF LABELS ON POLES. CONTRACTOR SHALL INCLUDE ON THE AS–BUILT DRAWINGS POLE SEQUENCE NUMBERING AT EACH POLE LOCATION SHOWN ON SHEETS E5–E7.

07/18/2025
STATE OF LOUISIANA
HENRY G HAWNEY
REG No 19229
REGISTERED PROFESSIONAL ENGINEER
FOR INFORMATIONAL PURPOSES ONLY

SECONDARY POWER CONTROLLER #1 [SPC–1]

NOTE: FOR CLARITY, NOT ALL GROUND AND NEUTRAL WIRING IS SHOWN IN SECONDARY CONTROLLER.

E10

SHEET NUMBER 78

JEFFERSON | PARISH
000–26 | CONTROL SECTION
H.007208 | STATE PROJECT
BH SJ | DESIGNED CHECKED
BH SJ | DETAILED CHECKED
07/18/25 | DATE SHEET

NO	DATE	REVISION DESCRIPTION	BY

POLE SCHEDULE & ELECTRICAL SCHEMATIC

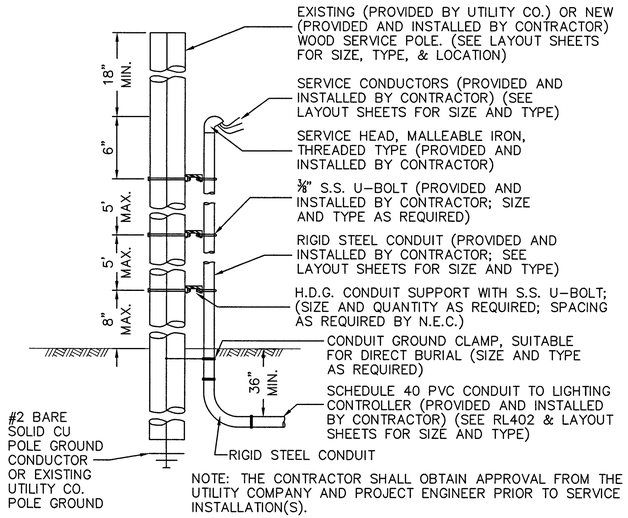
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD

PERRIN & CARTER, INC.

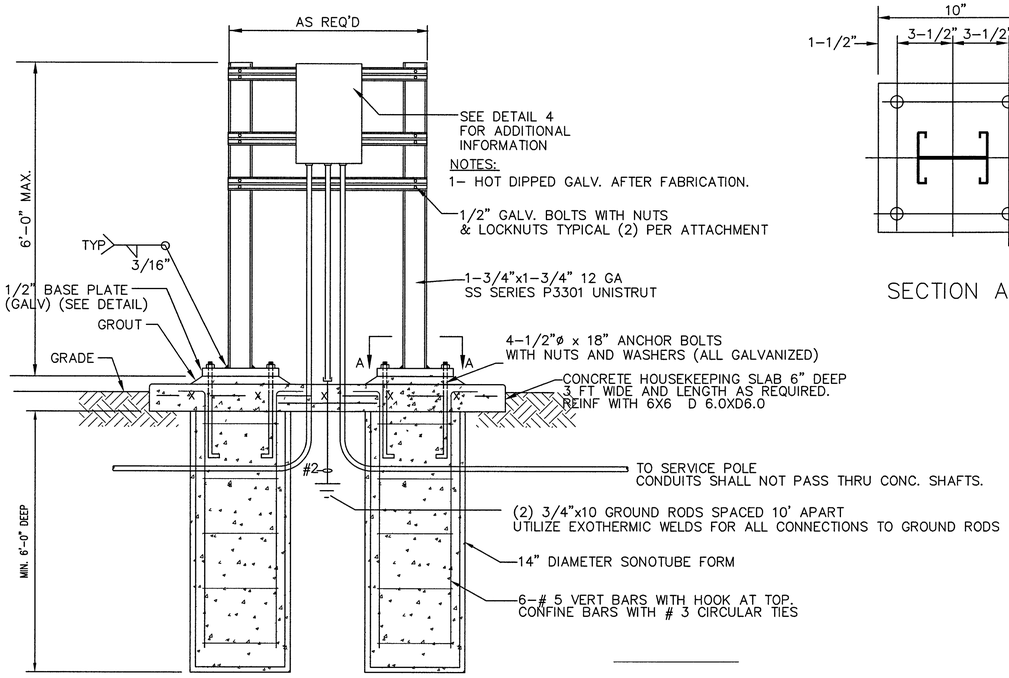
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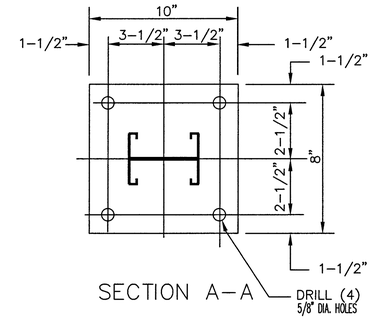
(1) REQUIRE: CENTERTAP TRANSFORMER (240/480V) FROM UTILITY CO.



NOTE: THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE UTILITY COMPANY AND PROJECT ENGINEER PRIOR TO SERVICE INSTALLATION(S).

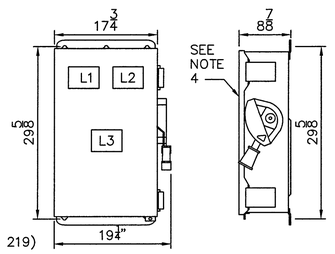
(1) ELECTRICAL SERVICE POLE INSTALLATION
N.T.S. (TYPICAL ELECTRICAL SERVICE FROM UTILITY COMPANY)



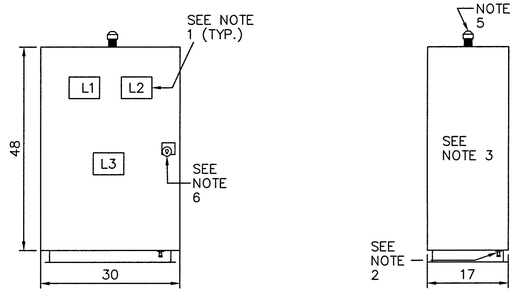


SECTION A-A

(2) UNISTRUT RACK @ SERVICE DISCONNECT
N.T.S.

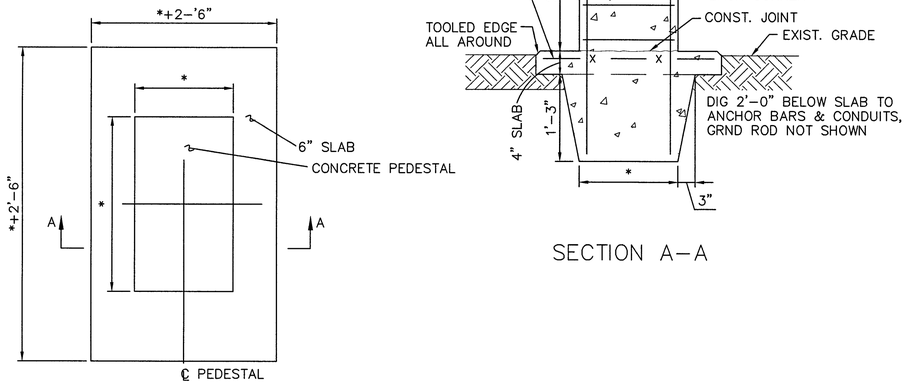


NOTES;
1. FOR LABEL "L1", "L2", & "L3" SEE PLAN SHEET E16 DETAILS FOR ADDITIONAL REQUIREMENTS. ACTUAL LABEL LOCATIONS MAY VARY.
2. UNIV. DRAIN/BREATHER; THREADED HUB & REDUCER BUSHING (ITEM #218 & 219)
3. CABINET ENCLOSURE (ITEM #201)
4. SAFETY SWITCH (ITEM #103)
5. TEE VENT, 1½" (ITEM #217)
6. ENCLOSURE LOCK AND ENCL. KEY (ITEMS #202 AND #203)

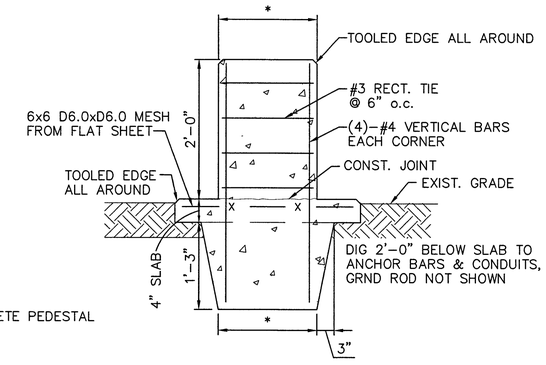


* REFER TO OTHER DETAILS FOR ADDITIONAL REQUIREMENTS.

(4) ELECTRICAL SERVICE EQUIPMENT
(SERVICE DISCONNECT AND SECONDARY POWER CONTROLLER)
N.T.S.



*=EQUIPMENT DIMENSION +4"



SECTION A-A

(3) CONCRETE SUPPORT FOUNDATION FOR SPC
(SECONDARY POWER CONTROLLER)
N.T.S.

07/18/2025
STATE OF LOUISIANA
HENRY G HAWNEY
REG No 19229
REGISTERED
PROFESSIONAL ENGINEER
IN THE STATE OF LOUISIANA
CIVIL ENGINEER

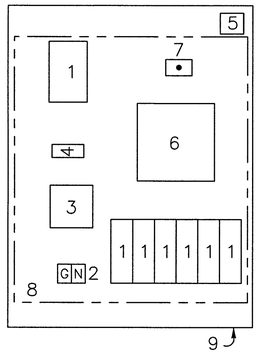
SHEET NUMBER 79
PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208
DESIGNED BH
CHECKED SJ
DETAILED BH
CHECKED SJ
DATE 07/18/25
SHEET
NO DATE REVISION DESCRIPTION BY

LIGHTING DETAILS - SERVICE
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD
PERRIN & CARTER, INC.

E11

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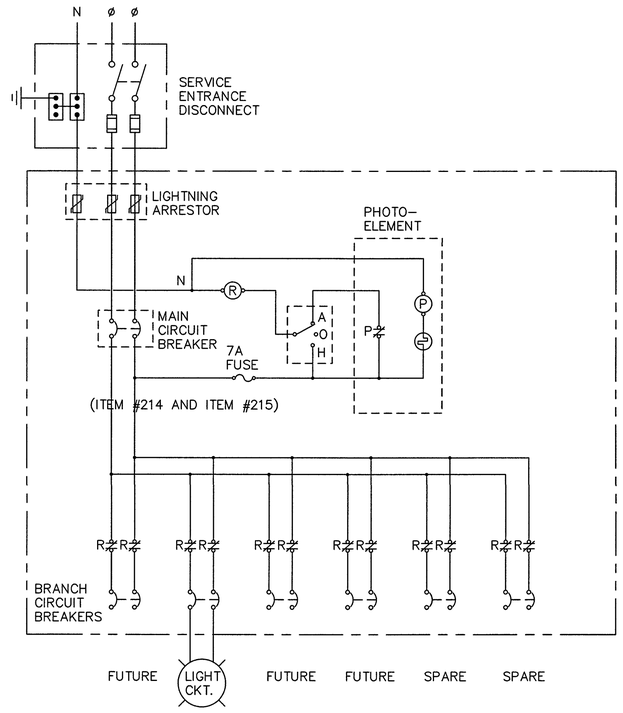


1. CIRCUIT BREAKERS: (ITEM #204 AND #206)
   (SEE CIRCUIT SCHEDULE FOR CIRCUIT BREAKER TRIP AMPS)
2. GRDG. & NEUT. TERMINAL BLOCKS: (ITEM #208 AND #222) PWR. DIST. BLOCK
3. SURGE ARRESTOR: (ITEM #209)
4. CONTROL CIRCUIT FUSE & FUSEHOLDER: (ITEM #210 ITEM #211)
5. PHOTO-ELECTRIC CONTROL: (ITEM #212 AND ITEM #213)
6. LIGHTING CONTACTOR: (ITEM #207); NUMBER & CURRENT RATING OF CONTACTS AS SHOWN ON CKT. SCHED.
7. HAND-OFF-AUTOMATIC SWITCH & SEALING BOOT: TAP HOLE IN COVER CENTER TO MOUNT SWITCH. SEE NOTE #3.
8. MOUNTING PLATE: (ITEM #216)
9. CABINET: (ITEM #201)

NOTE:
1. STAIN. STEEL HARDWARE SHALL BE MARINE GRADE W/ 30,000 PSI (MIN.) YIELD STRENGTH.
2. ALLOW 2" (MIN.) CLEARANCE BTWN. COMPONENTS; 4" (MIN.) CLEARANCE ON ALL SIDES.
3. INSTALL PERMANENT "HAND", "OFF", "AUTO" LABELS INDICATING SWITCH POSITIONS.
4. REFER TO OTHER ELEC. DETAILS FOR ADDITIONAL INFORMATION AND/OR SPECIFICATIONS.

5 LIGHTING CONTROLLER LAYOUT

(TYPICAL; STRUCTURE MOUNT W/ HAND-OFF-AUTOMATIC CONTROL SWITCH)
N.T.S.



NOTES:

1. SERVICE: 240/480 VOLT, GROUNDED, 1ø, 60 HZ.
2. WIRING SCHEMATIC SHOWN IS A GENERAL WIRING LAYOUT. NUMBER OF CIRCUIT BREAKERS AND RELAY CONTACTS MAY VARY.
3. CONTRACTOR SHALL OBTAIN APPROVAL FROM UTILITY CO. BEFORE INSTALLATION.
4. REFER TO OTHER ELEC. DETAILS FOR ADDITIONAL INFORMATION AND/OR SPECIFICATIONS.
5. H-O-A = HAND-OFF-AUTO SWITCH.
6. FOR CLARITY, NEUTRAL (RETURN WIRE) AND GROUND NOT SHOWN
7. CONTRACTOR SHALL CONNECT ONLY ONE (1) WIRE TO EACH TERMINAL OF THE HOA SWITCH UTILIZING RING TYPE CONNECTORS.

* SCHEMATIC SHOWN AT NIGHT WITH LIGHTS ON.

6 LIGHTING CONTROLLER SCHEMATIC

(TYPICAL; NO UTILITY METERING W/ HAND-OFF-AUTOMATIC CONTROL SWITCH)
N.T.S.

CIRCUIT SCHEDULE											
SERVICE PT. NO.	#CKTS/ S.P.	MAIN BKR. TRIP	CIRCUIT BKR. TRIP						CONTACTOR		CONDUCTORS
			CKT.1	CKT.2	CKT.3	CKT.4	CKT.5	CKT.6	NO. CONT.	CONT. RATING	SERVICE
SPC #1	1 (5 SPARE)	100	30A-2P SPARE	30A-2P	30A-2P SPARE	30A-2P SPARE	30A-2P SPARE	30A-2P SPARE	12	100	#2 AWG

NOTES:

1. CONDUCTORS FROM MAIN BREAKER TO CONTACTOR ARE TO BE THE SAME SIZE AS THE SERVICE CONDUCTORS.
2. CONDUCTORS FROM CONTACTOR TO BRANCH BREAKERS NEED NOT HAVE A GREATER AMPACITY THAN THE BRANCH BREAKER TRIP AMPS.
3. SEE PLANS AND RL DETAILS FOR ADDITIONAL INFORMATION.
4. S.P. = SERVICE POINT.

7 LIGHTING CONTROLLER CIRCUIT SCHEDULE

N.T.S.

07/13/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG No 19229
REGISTERED
PROFESSIONAL ENGINEER
IN
AGRICULTURAL ENGINEERING

E12

SHEET NUMBER 80
PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208
DESIGN BH CHECK SJ
DETAIL BH CHECK SJ
DATE 07/18/25
SHEET

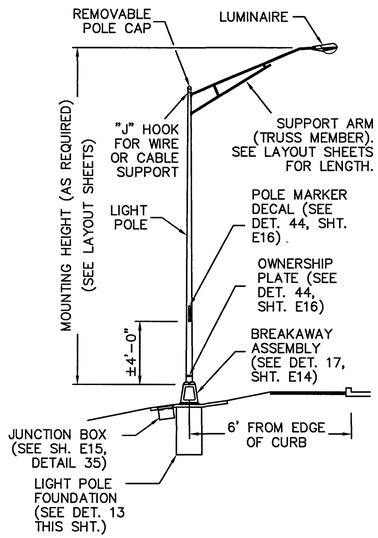
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LIGHTING DETAILS - CONTROLLER

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD
PERRIN & CARTER, INC

Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\Electrical\LATEST-REVISED START Reduced Scope Electrical\Harvey Blvd. Lighting E12.dwg 07.24.2025 09:26:41
07/24/2025 09:26



LUMINAIRE LOWERING SYSTEMS NOT REQUIRED. SEE PLAN LAYOUT SHEETS FOR ADDITIONAL LUM. INFORMATION.

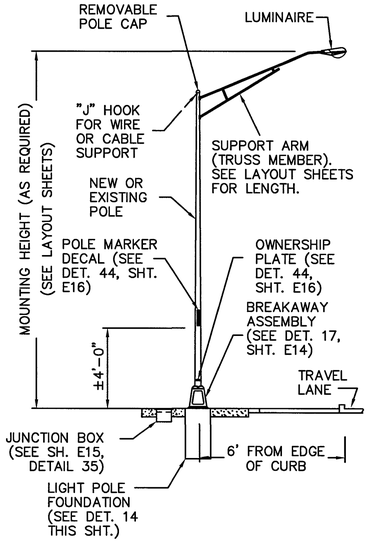
POLE AND HARDWARE SHALL CONFORM TO AASHTO–AGC–ARTBA PUBLICATION "A GUIDE TO STANDARDIZED HIGHWAY LIGHTING POLE HARDWARE" – LATEST EDITION (ARTBA TECHNICAL BULLETIN NO. 270) EXCEPT AS NOTED.

POLE DESIGN SHALL BE IN ACCORD. WITH AASHTO PUBLICATION "STD. SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HWY.SIGNS, LUMINAIRES AND TRAFFIC SIG."– LATEST EDITION. POLES SHALL BE ALUMINUM AND BE EQUIPPED WITH AASHTO APPROVED BREAKAWAY ASSEMBLY.

THREE (3) AWG NO. 12 CONDUCTORS (BLACK, RED, AND GREEN) SHALL BE INSTALLED TO EACH LUMINAIRE TO CONNECTIONS IN BASE (NOTE: WHEN A MOD. BKWY. CBL. SYS. (SEE PLAN SHEET E14, DETAIL 18) IS INSTALLED, A 3–CONDUCTOR SOOW CABLE PROV. BY THE CBL. SYS. MFR. SHALL BE INSTALLED IN LIEU OF SEPARATE CONDUCTORS).

1

10 TYPICAL LIGHT POLE INSTALLATION
(SIDE GROUND MOUNTING – SLOPED)
N.T.S.



LUMINAIRE LOWERING SYSTEMS NOT REQUIRED. SEE PLAN LAYOUT SHEETS FOR ADDITIONAL LUM. INFORMATION.

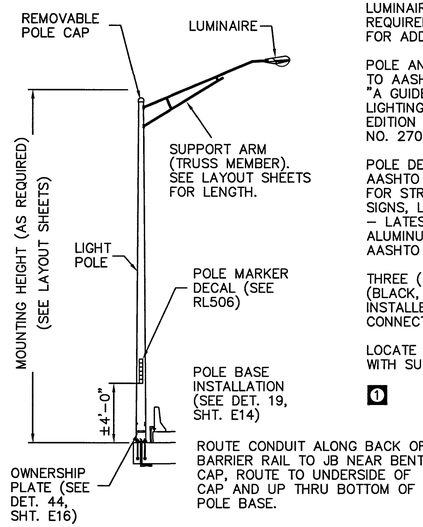
POLE AND HARDWARE SHALL CONFORM TO AASHTO–AGC–ARTBA PUBLICATION "A GUIDE TO STANDARDIZED HIGHWAY LIGHTING POLE HARDWARE" – LATEST EDITION (ARTBA TECHNICAL BULLETIN NO. 270) EXCEPT AS NOTED.

POLE DESIGN SHALL BE IN ACCORD. WITH AASHTO PUBLICATION "STD. SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HWY.SIGNS, LUMINAIRES AND TRAFFIC SIG."– LATEST EDITION. POLES SHALL BE ALUMINUM AND BE EQUIPPED WITH AASHTO APPROVED BREAKAWAY ASSEMBLY.

THREE (3) AWG NO. 12 CONDUCTORS (BLACK, RED, AND GREEN) SHALL BE INSTALLED TO EACH LUMINAIRE TO CONNECTIONS IN BASE (NOTE: WHEN A MOD. BKWY. CBL. SYS. (SEE PLAN SHEET E14, DETAIL 18) IS INSTALLED, A 3–CONDUCTOR SOOW CABLE PROV. BY THE CBL. SYS. MFR. SHALL BE INSTALLED IN LIEU OF SEPARATE CONDUCTORS).

1

11 TYPICAL LIGHT POLE INSTALLATION
(SIDE GROUND MOUNTING – NON–SLOPED)
N.T.S.



LUMINAIRE LOWERING SYSTEMS NOT REQUIRED. SEE PLAN LAYOUT SHEETS FOR ADDITIONAL LUM. INFORMATION.

POLE AND HARDWARE SHALL CONFORM TO AASHTO–AGC–ARTBA PUBLICATION "A GUIDE TO STANDARDIZED HIGHWAY LIGHTING POLE HARDWARE" – LATEST EDITION (ARTBA TECHNICAL BULLETIN NO. 270) EXCEPT AS NOTED.

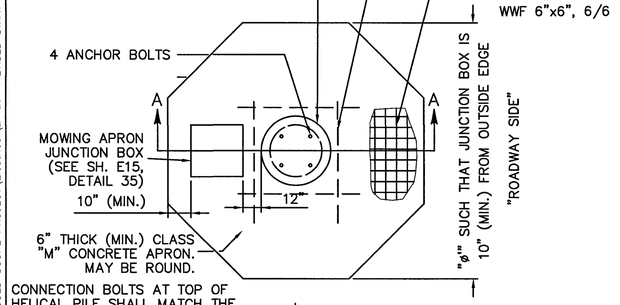
POLE DESIGN SHALL BE IN ACCORD. WITH AASHTO PUBLICATION "STD. SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HWY. SIGNS, LUMINAIRES AND TRAFFIC SIG." – LATEST EDITION. POLES SHALL BE ALUMINUM AND BE EQUIPPED WITH AASHTO APPROVED BREAKAWAY ASSEMBLY.

THREE (3) AWG NO. 12 CONDUCTORS (BLACK, RED, AND GREEN) SHALL BE INSTALLED TO EACH LUMINAIRE TO CONNECTIONS IN BASE.

LOCATE HANDHOLE AT 0°. (ALIGNED WITH SUPPORT ARM)

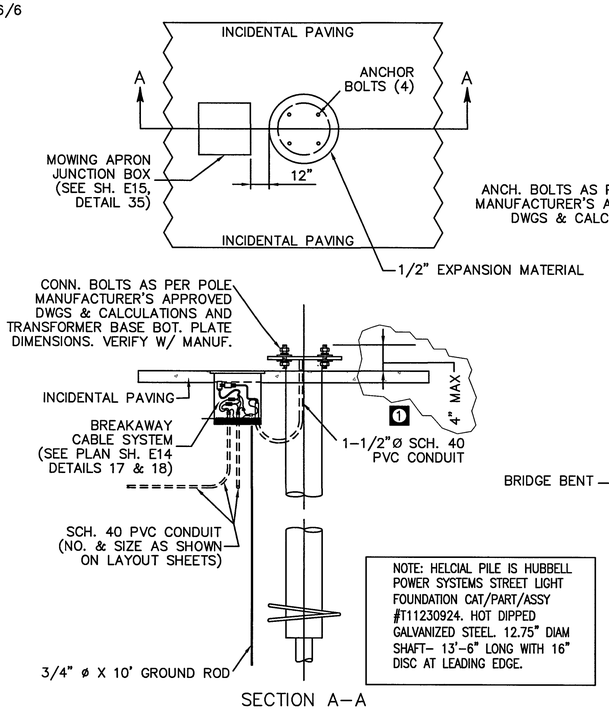
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12 TYPICAL LIGHT POLE INSTALLATION
(BRIDGE MOUNTING)
N.T.S.



SECTION A–A

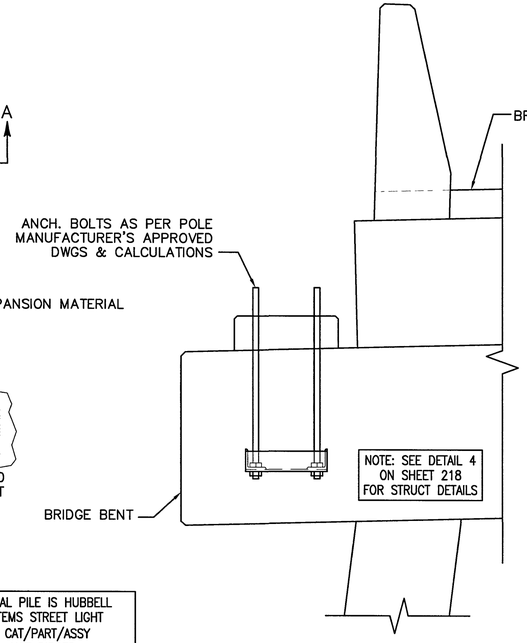
13 TYPICAL LIGHT POLE FOUNDATION
(WITH JUNCTION BOX IN APRON; ON SLOPE)
N.T.S.



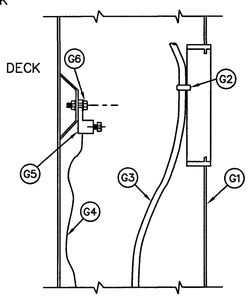
NOTE: HELCIAL PILE IS HUBBELL POWER SYSTEMS STREET LIGHT FOUNDATION CAT/PART/ASSY #T11230924. HOT DIPPED GALVANIZED STEEL. 12.75" DIAM SHAFT– 13'–6" LONG WITH 16" DISC AT LEADING EDGE.

SECTION A–A

14 TYPICAL LIGHT POLE FOUNDATION
(WITH JUNCTION BOX IN INCIDENTAL PAVING)
N.T.S.



15 TYPICAL BRIDGE MOUNT FOR LIGHT POLE
(FOR INCLUSION ON BRIDGE CONSTRUCTION)
N.T.S.



- G1 LIGHT POLE
- G2 SECURE CABLE TO POLE
- G3 LUMINAIRE CABLE (ITEM #302)
- G4 POLE GROUNDING CONDUCTOR SPLICED (USING SPLIT BOLT CONNECTOR) FROM EQUIPMENT GROUNDING CONDUCTOR IN JUNCTION BOX.
- G5 POLE GROUND LUG
- G6 STAINLESS STEEL HEX BOLT, NUTS, AND WASHERS TO JUNCTION BOX IN CONCRETE MOWING APRON (SEE PLAN SHEET E14, DETAIL 17 & 18 "BREAKAWAY TRANSFORMER BASE AND LIGHT POLE CONNECTIONS" FOR ADDITIONAL REQUIREMENTS.

NOTE:
GROUNDING CONDUCTOR AND LUMINAIRE CABLE SPLICES SHALL ONLY BE MADE IN THE JUNCTION BOX.

16 POLE GROUNDING AND LUMINAIRE CABLE INSTALLATION
N.T.S.

08/25/2025
STATE OF LOUISIANA
HENRY G HAWNEY
REG. No 19229
REGISTERED PROFESSIONAL ENGINEER
IN THE STATE OF LOUISIANA

E13

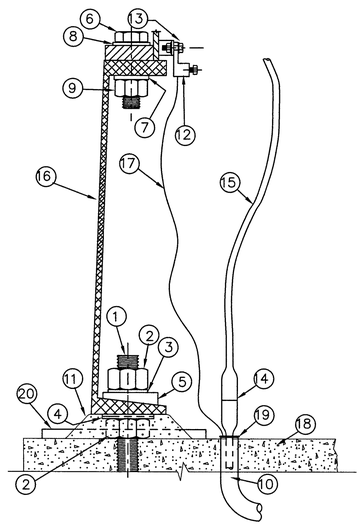
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PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED	BH
CHECKED	SJ
DETAILED	BH
CHECKED	SJ
DATE SHEET	07/18/25
BY	HH/MAC
NO.	DATE
0	08/25/25

REV. ANCHOR BOLT PROJ. & REMOVE WIND SPEED NOTE.
REVISION DESCRIPTION

LIGHTING DETAILS – POLE INSTALLATION
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

PERRIN & CARTER, INC

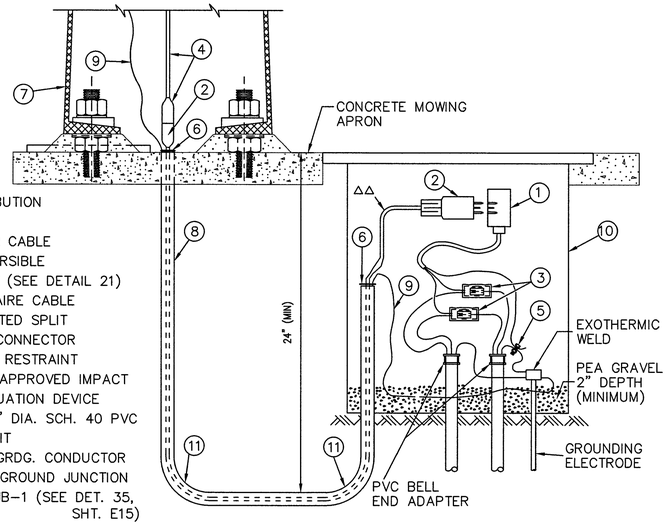
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1. 4 ANCHOR BOLTS
2. 8 ANCHOR BOLT HEX NUTS
3. 4 ANCHOR BOLT LOCK WASHERS
4. 4 ANCHOR BOLT FLAT WASHERS
5. 4 ANCHOR BOLT HOLD DOWN WASHERS
6. 4 HEX HEAD BASE BOLTS
7. 4 BASE BOLT LOCK WASHERS
8. 4 BASE BOLT FLAT WASHERS
9. 4 BASE BOLT HEX NUTS
10. 1–1/2" DIA. SCH. 40 PVC CONDUIT TO JUNCTION BOX (SEE DETAIL 18)
11. NONSHRINK GROUT
12. POLE GROUND LUG
13. S.S. HEX BOLT, NUTS, & WASHERS
14. BKWY. CABLE SYS. (SEE DET. 18)
15. LUMINAIRE CABLE (SEE DET. 18) (SECURE CABLE TO POLE)
16. BKWY. TRANS. BASE CONFORMING TO "STD. SPECS. FOR STRUCTURAL SUPPORTS FOR HWY. SIGNS, LUM., AND TRAFFIC SIGNALS" – LATEST EDITION. FHWA APPROVAL REQ'D.
17. POLE GROUNDING CONDUCTOR
18. CONCRETE FOUNDATION
19. CABLE RESTRAINT (SEE DET. 18)
20. DRAIN PIPE

17 BREAKAWAY TRANSFORMER BASE AND LIGHT POLE CONNECTIONS

N.T.S.



*1 DISTRIBUTION BLOCK
*2 POWER CABLE
3 SUBMERSIBLE SPLICE (SEE DETAIL 21)
*4 LUMINAIRE CABLE
5 UL LISTED SPLIT BOLT CONNECTOR
*6 CABLE RESTRAINT
7 FHWA APPROVED IMPACT ATTENUATION DEVICE
8 1–1/2" DIA. SCH. 40 PVC CONDUIT
9 POLE GRDG. CONDUCTOR
10 UNDERGROUND JUNCTION BOX JB–1 (SEE DET. 35, SHT. E15)
11 SCH. 80 PVC ELBOW

*ITEMS SUPPLIED AS A UNIT BY THE SAME MANUFACTURER

△△ PULL ALL SLACK INTO JUNCTION BOX BEFORE INSTALLING CABLE RESTRAINT

** (SEE SPECIFICATIONS AT RIGHT, THIS SHT. FOR CABLE SYSTEM SPECS)

18 MODULAR BREAKAWAY CABLE SYSTEM

(TYPICAL)

N.T.S.

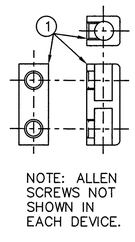
** MODULAR BREAKAWAY CABLE SYSTEM

A MODULAR COLOR–CODED CABLE SYSTEM CONSISTING OF RUBBER CORDS W/ INTEGRAL MOLDED WATERTIGHT SUBMERSIBLE CONNECTORS, FUSES, SUBMERSIBLE SPLICE CONNECTORS, AND CABLE RESTRAINTS SHALL BE INSTALLED IN THE JUNCTION BOX IN THE POLE BASE MOWING PAD. THE SYSTEM SHALL PROVIDE POWER FROM THE JUNCTION BOX TO THE LUMINAIRE(S). CABLES SHALL EXTEND FROM THE JUNCTION BOX AT THE POLE BASE TO LUMINAIRE(S) AT THE TOP OF POLE. ONE (1) SUCH SYSTEM SHALL BE INSTALLED AT EACH GROUND–MOUNTED BREAKAWAY POLE INSTALLATION. POLE CABLE SYSTEM SHALL CONSIST OF THE FOLLOWING MINIMUM COMPONENTS:

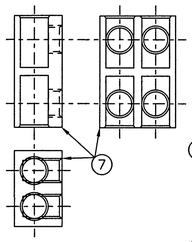
DISTRIBUTION BLOCK
(ITEM #300)

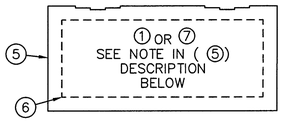
POWER CABLE
(ITEM #301)

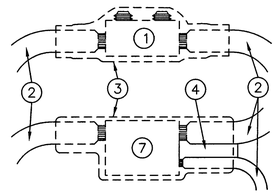
LUMINAIRE CABLE
(ITEM #302)



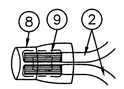
NOTE: ALLEN SCREWS NOT SHOWN IN EACH DEVICE.







*ALL SPLICE TYPES NOT SHOWN. ADDITIONAL SPLICES MAY BE USED IF APPROVED BY THE DESIGN ENGINEER OR ELECT. INSPECTOR.

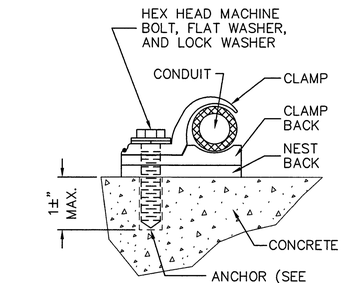


1 TAP CONNECTOR, PARALLEL, DUAL RATED, W/ALLEN HEAD SET SCREWS, U.L. LISTED.
2 CONDUCTOR
3 MECHANICAL MOISTURE SEAL (5) OR HEAT SHRINK MOISTURE SEAL OVER THE ENTIRE SPLICE.
4 BUTYL RUBBER SEALANT TAPE. PLACE TAPE BETWEEN WIRES & WRAP ENTIRE CONNECTOR
5 CLOSURE, GEL–FILLED, 600V (NOTE: CONNECTOR USED WITH CLOSURE MUST BE APPRVD. BY CLOSURE MFR. PRIOR TO USE IN DEVICE).
6 SILICONE GEL SEALANT (2 SIDES) (NOTE: SILICONE GEL SEALANT SHALL BE RATED 90°C MINIMUM).
7 TAP CONNECTOR, PARALLEL, DUAL RATED, W/ALLEN HEAD SET SCREWS, U.L. LISTED
8 SPLICE CAP INSULATOR
9 CRIMP CONNECTOR (COPPER)

21 SPLICE AND TAP CONNECTOR

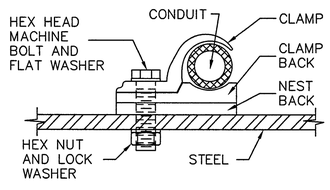
(TYPICAL)

N.T.S.



NOTE:

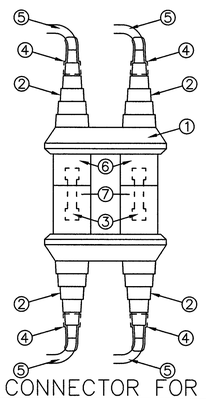
1. CLAMP, CLAMP BACK, AND NEST BACK SHALL BE HOT DIPPED GALVANIZED MALLEABLE IRON AND BE PRODUCTS OF THE SAME MANUFACTURER.
2. CLAMPS SHALL BE LOCATED ON 5'–0" (MAXIMUM) SPACING.
3. ANCHORS USED FOR MTG. EQUIPMENT TO CONCRETE STRUCTURES SHALL ONLY BE AS DESCRIBED BY CURRENT LADOTD MATERIALS LAB Q.P.L. NO. 40 "CONCRETE ANCHOR SYSTEMS" PART A "MECHANICAL ANCHOR BOLT SYSTEM".
4. ALL MOUNTING HARDWARE, FASTENERS, NUTS, BOLTS, AND WASHERS SHALL BE MARINE DUTY STAINLESS STEEL WITH A MINIMUM 30,000 P.S.I. YIELD STRENGTH.



20 CONDUIT FASTENING TO STRUCTURES

(TYPICAL AT BRIDGE)

N.T.S.



1 FUSEHOLDER, IN–LINE, 2 POLE, 30 AMP, 600 VAC, 200 kAIC RATED, WATERTIGHT, UL LISTED; "XX" – CONTRACTOR MUST SELECT THE APPROPRIATE CONNECTOR TERMINALS TO ACCOMMODATE LINE AND LOAD CONDUCTOR SIZES.
2 WEATHERPROOF INSULATING BOOT
3 FUSE, CLASS CC, 5 AMP, 600 VAC, DUAL ELEMENT, TIME DELAY, 200 kAIC RATED, U.L. LISTED FOR BRANCH CKT. PROTECTION
4 MECHANICAL OR HEAT SHRINK SEAL
5 CONDUCTOR (SEE PLAN LAYOUT SHEETS FOR SIZE AND TYPE. NOTE: CONDUCTOR SIZE SHALL NOT EXCEED MANUFACTURERS RECOMMENDATIONS FOR DEVICE.
6 LOAD SIDE
7 LINE SIDE

22 FUSE CONNECTOR FOR NON–BREAKAWAY POLES

(TYPICAL)

N.T.S.

07/18/2025
STATE OF LOUISIANA
HENRY C. HAWNEY
REG No. 19229
REGISTERED PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

SHEET NUMBER 82

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	DETAILED	DATE	BY
BH	BH	07/18/25	
CHECKED	CHECKED	SHEET	
SJ	SJ		

REVISION DESCRIPTION | NO. | DATE

LIGHTING DETAILS – POLE INSTALLATION

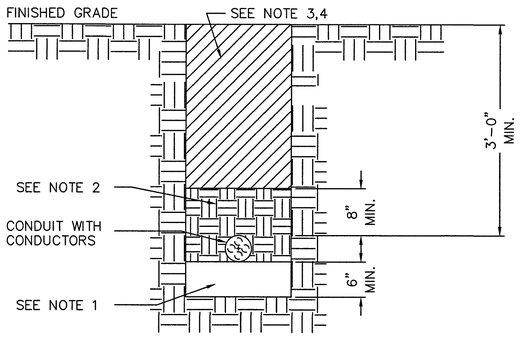
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD PERRIN & CARTER, INC.

E14

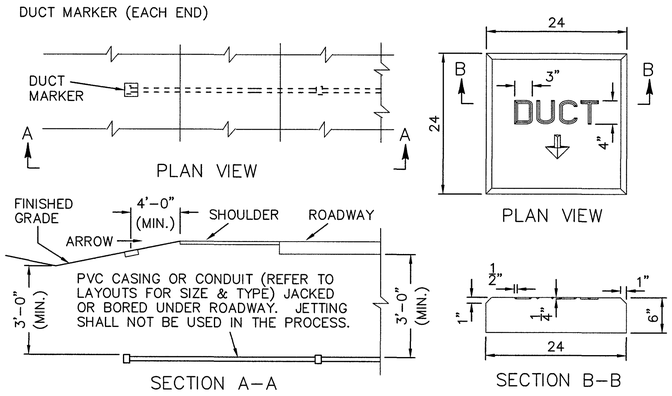
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07/24/2025 09:30



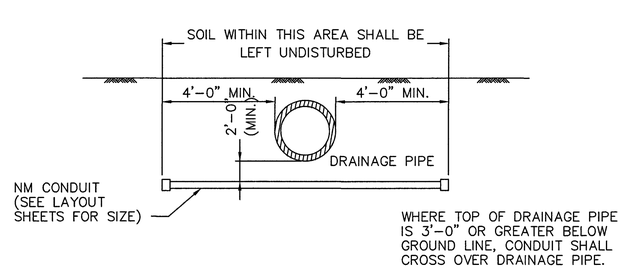
NOTE:
1. INITIAL BACKFILL AND BEDDING OF TAMPED GRANULAR MATERIAL. FOR SPECIFICATIONS ON TAMPED GRANULAR MATERIAL, REFER TO SECTION 723 OF LADOTD'S STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
2. FINAL BACKFILL FREE OF LARGE STONES, ROCKS, CLUMPS, AND DEBRIS.
3. ANY ASPHALT OR CONCRETE MATERIAL REMOVED DURING TRENCHING SHALL BE REPLACED WITH LIKE MATERIAL TO MATCH EXISTING.
4. SEE PLAN SPECIFICATIONS, GENERAL NOTES, LAYOUT SHEETS, AND DETAILS FOR ADDITIONAL INFORMATION.

31 TRENCHING DETAIL (TYPICAL)
(CONDUIT WITH CONDUCTORS RATED 600 VOLTS AND BELOW)
N.T.S.



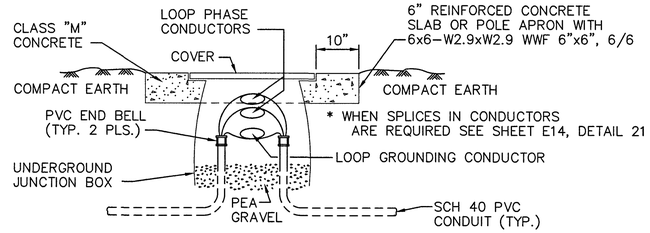
THE ENDS ABOVE OF ALL ROADWAY DUCT CROSSINGS SHALL BE MARKED WITH A CONCRETE OR POLY. CONCRETE SLAB 6" THICK BY 2 FEET SQUARE, WITH 1" BEVELED EDGES, AND 4" HIGH BY 3" WIDE LETTERS HAVING ½" WIDE BY ¼" DEEP STROKE (OR AS LARGE AS THE AVAILABLE SPACE PERMITS). THE MARKER SLAB SHALL EXTEND APPROX. ½" ABOVE FINISHED GRADE. THE WORD "DUCT", THE NUMBER OF DUCTS BENEATH THE MARKER, THE SIZE OF EACH DUCT, AND AN ARROW INDICATING THE DIRECTION OF EACH DUCT SHALL BE IMPRESSED ON THE SURFACE OF EACH MARKER SLAB. INSTALL THE SLAB WITH THE ARROW PARALLEL AND IN THE DIRECTION OF ROADWAY DUCT CROSSING AS SHOWN ABOVE. A SUBMITTAL IS REQUIRED FOR APPROVAL PRIOR TO INSTALLATION.

32 UNDER ROAD CROSSING AND DUCT MARKER
(TYPICAL)
N.T.S.



WHERE TOP OF DRAINAGE PIPE IS 3'-0" OR GREATER BELOW GROUND LINE, CONDUIT SHALL CROSS OVER DRAINAGE PIPE.

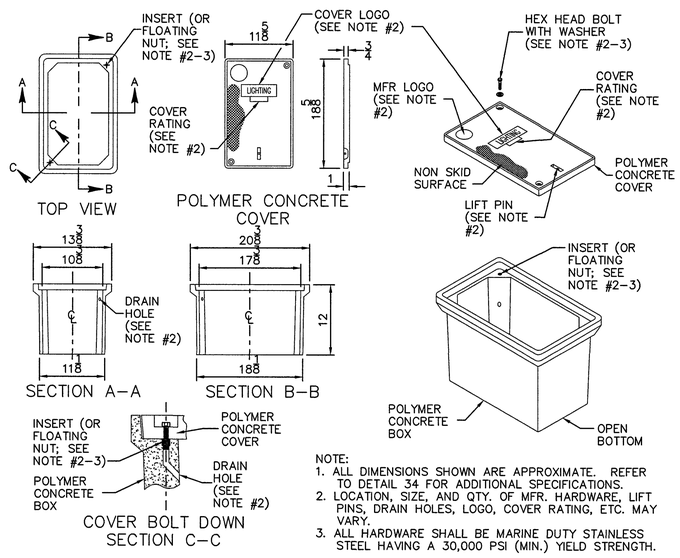
33 DRAINAGE PIPE CROSSING
(TYPICAL)
N.T.S.



NOTE: CONTRACTOR SHALL INSTALL CONDUITS AT AN APPROPRIATE DEPTH (≥3'-0") TO ACHIEVE REQUIRED VERTICAL ALIGNMENT OF CONDUITS INTO JUNCTION BOX.

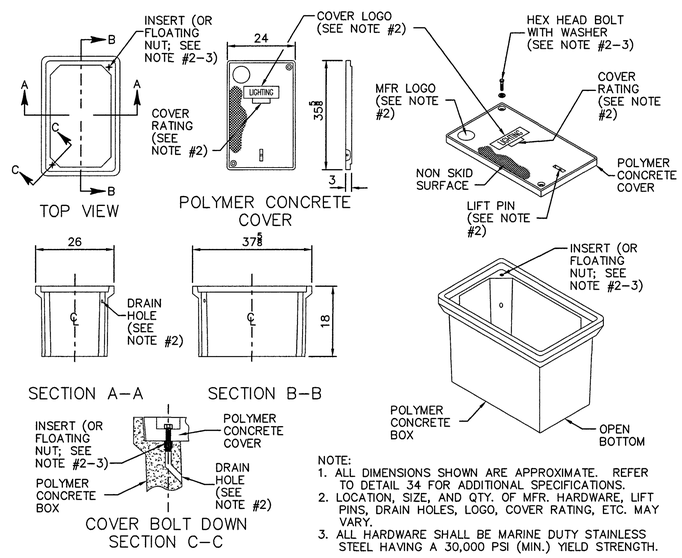
UNDERGROUND JUNCTION BOX:
JUNCTION BOX SHALL BE FABRICATED FROM FIBERGLASS REINFORCED POLYMER CONCRETE OR U.V. STABILIZED HIGH-DENSITY POLYETHYLENE HAVING U.V. STABILIZED GREEN, BLACK, OR GREY COLOR. BOX SHALL BE INSTALLED IN A 6" THICK CONCRETE PAD UNLESS SHOWN OTHERWISE ON THE PLANS. BOX AND COVER SHALL BE DESIGNED FOR USE IN ROADWAY APPLICATIONS AND BE HEAVY DUTY RATED 150 PSI OVER A 10"X10" AREA (MINIMUM). ALL BOX AND COVER HARDWARE SHALL BE MARINE DUTY STAINLESS STEEL WITH A MINIMUM 30,000 P.S.I. YIELD STRENGTH. BOX COVER SHALL BE FABRICATED FROM FIBERGLASS REINFORCED POLYMER CONCRETE AND SHALL ALSO INCLUDE STANDARD "LIGHTING" LOGO. UNLESS NOTED OTHERWISE, BOX SHALL HAVE INTERIOR DIMENSIONS (LENGTH) X (WIDTH) X (DEPTH) AS INDICATED IN DETAIL 35 & DETAIL 36, WITH DEPTH MEASURED FROM BOTTOM OF COVER TO BOTTOM OF BOX WHILE COVER IS INSTALLED. BOX AND COVER SHALL COMPLY WITH THREE (3) POSITION TESTING AS REQUIRED BY UNDERWRITER LABORATORIES (U.L.) OR WESTERN UNDERGROUND COMMITTEE (W.U.C.), GUIDELINE 3.6. FOR EQUIPMENT NOT U.L. OR W.U.C. 3.6 COMPLIANT, PROOF OF EQUIVALENT TESTING SHALL BE SUPPLIED BY A REGISTERED PROFESSIONAL ENGINEER. ALL DIMENSIONS ARE MINIMUM.

34 UNDERGROUND JUNCTION BOX
(SEE APPROPRIATE JB-1, JB-2, ETC. DETAIL)
N.T.S.



NOTE:
1. ALL DIMENSIONS SHOWN ARE APPROXIMATE. REFER TO DETAIL 34 FOR ADDITIONAL SPECIFICATIONS.
2. LOCATION, SIZE, AND QTY. OF MFR. HARDWARE, LIFT PINS, DRAIN HOLES, LOGO, COVER RATING, ETC. MAY VARY.
3. ALL HARDWARE SHALL BE MARINE DUTY STAINLESS STEEL HAVING A 30,000 PSI (MIN.) YIELD STRENGTH.

35 JB-1 UNDERGROUND JUNCTION BOX
N.T.S.



NOTE:
1. ALL DIMENSIONS SHOWN ARE APPROXIMATE. REFER TO DETAIL 34 FOR ADDITIONAL SPECIFICATIONS.
2. LOCATION, SIZE, AND QTY. OF MFR. HARDWARE, LIFT PINS, DRAIN HOLES, LOGO, COVER RATING, ETC. MAY VARY.
3. ALL HARDWARE SHALL BE MARINE DUTY STAINLESS STEEL HAVING A 30,000 PSI (MIN.) YIELD STRENGTH.

36 JB-2 UNDERGROUND JUNCTION BOX
N.T.S.

07/18/2025
STATE OF LOUISIANA
HENRY G HAWNEY
REG. No 19229
REGISTERED PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING

E15

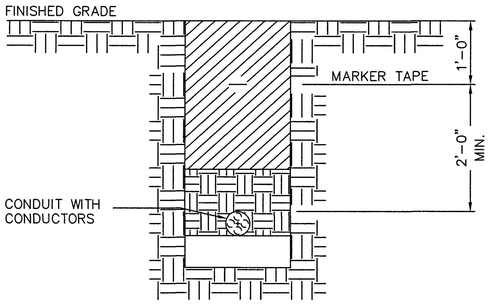
SHEET NUMBER	83
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	BH / SJ
DETAILED / CHECKED	BH / SJ
DATE / SHEET	07/18/25

REVISION DESCRIPTION | DATE | NO | BY

LIGHTING DETAILS - UNDERGROUND
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

PERRIN & CARTER, INC.

07/24/2025 09:32
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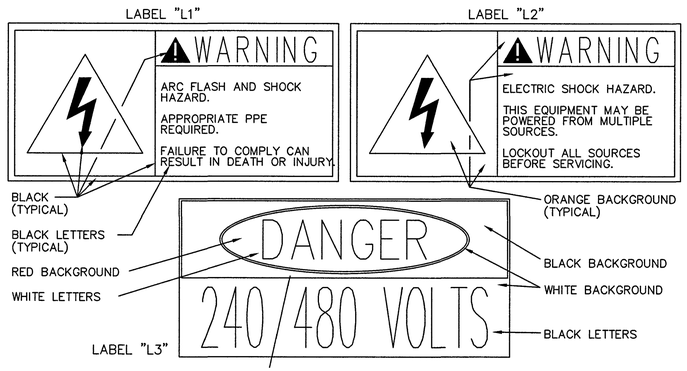


MARKER TAPE (UNDERGROUND):
MARKER TAPE SHALL BE UDG. DETECTABLE-TYPE, SHALL BE CONSTRUCTED FROM A FLEXIBLE AND DURABLE LAMINATE HAVING HIGH-VISIBILITY. MARKER TAPE SHALL ENDURE TEMPERATURE RANGES FROM -60°F TO 250°F (MINIMUM). MARKER TAPE SHALL BE 3" OR 6" WIDE, HAVE 5 MIL (MIN.) THICKNESS, AND BE PRINTED POLYETHYLENE WITH A METALLIC CORE (OR BACKING). MARKER TAPE SHALL PROVIDE FULL LATERAL COVERAGE, REMAIN CENTERED AND IN VERTICAL ALIGNMENT 12" BELOW FINISHED GRADE, AND BE CONTINUOUS OVER THE ENTIRE LENGTH (NOTE: FOR LARGE RACEWAY CONFIGURATIONS, MORE THAN ONE (1) WIDTH OF TAPE MAY BE REQUIRED). MARKER TAPE SHALL HAVE RED COLOR AS SPECIFIED BY A.W.P.A./U.L.C.C. UNIFORM COLOR CODE FOR BURIED ELECTRIC LINES AND HAVE TWO (2) CONTINUOUS AND PERMANENT LINES OF PRINTED WARNING AND IDENTIFICATION IN BOLD, BLACK, BLOCK-TYPE INK OVER THE ENTIRE TAPE LENGTH. THE TOP LINE SHALL READ "CAUTION". BOTTOM LINE SHALL READ "BURIED ELECTRIC LINE BELOW". MARKER TAPE SHALL HAVE PROVEN UNDERGROUND DURABILITY, RESIST ACIDS, ALKALIS, WATER, AND BE MANUFACTURED FROM A HIGH QUALITY MATERIAL THAT MEETS OR EXCEEDS ALL INDUSTRY MINIMUM SPECIFICATIONS TO ASSURE LONG-TERM PERFORMANCE.

(41) MARKER TAPE (UNDERGROUND)
(TYPICAL - DETECTABLE TYPE)
N.T.S.

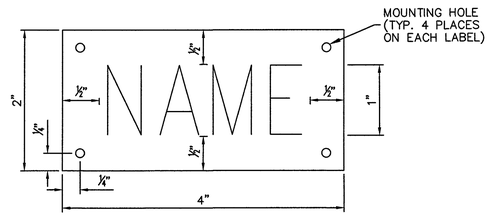
LIGHTING CONTROLLERS, SWITCHBOARDS, CONTROL DESKS, DISCONNECTS, JUNCTION BOXES, GATE HOUSINGS, OTHER ENCLOSURES CONTAINING MOVABLE CONTACTS OR WIRE SIZE(S) #2 COPPER OR LARGER, AND WHERE SPECIFIED BY THE PROJECT ENGINEER SHALL BE FIELD MARKED ACCORDING TO NATIONAL ELECTRICAL CODE (N.E.C.) TO WARN QUALIFIED PERSONNEL OF THE POTENTIAL ELECTRICAL ARC FLASH HAZARDS AND DANGER.

LABEL(S) SHALL BE 5"X7" (MINIMUM). LABEL(S) SHALL BE MADE OF ENGRAVED STOCK WITH MARINE GRADE STAINLESS STEEL FASTENERS HAVING A MINIMUM 30,000 PSI YIELD STRENGTH. LABEL(S) SHALL BE OUTDOOR RATED AND PROTECTED FROM U.V. RADIATION, MOISTURE, OXIDATION, AND OTHER POLLUTANTS. LABEL(S) SHALL BE SURFACE MOUNT AND SUITABLE FOR INSTALLING ON FLAT SURFACES OF METAL, FIBERGLASS, OR PAINT. AFFIX LABEL(S) TO ALL DOORS OF LIGHTING CONTROLLERS, CONTROL CABINETS, CONSOLES, JUNCTION BOXES CONTAINING TERMINAL BLOCKS, GATE HOUSINGS, ETC., AND WHERE SPECIFIED BY THE PROJECT ENGINEER. LABELS SHALL COMPLY WITH MINIMUM REQUIREMENTS SET FORTH BY OSHA 29 CFR PART 1910, NFPA 70, AND NFPA 70E. ARC FLASH PROTECTION (SEE N.E.C. 110.16). ANY VARIATIONS IN LABEL SIZE MUST BE SUBMITTED TO THE BRIDGE DESIGN ENGINEER FOR APPROVAL.

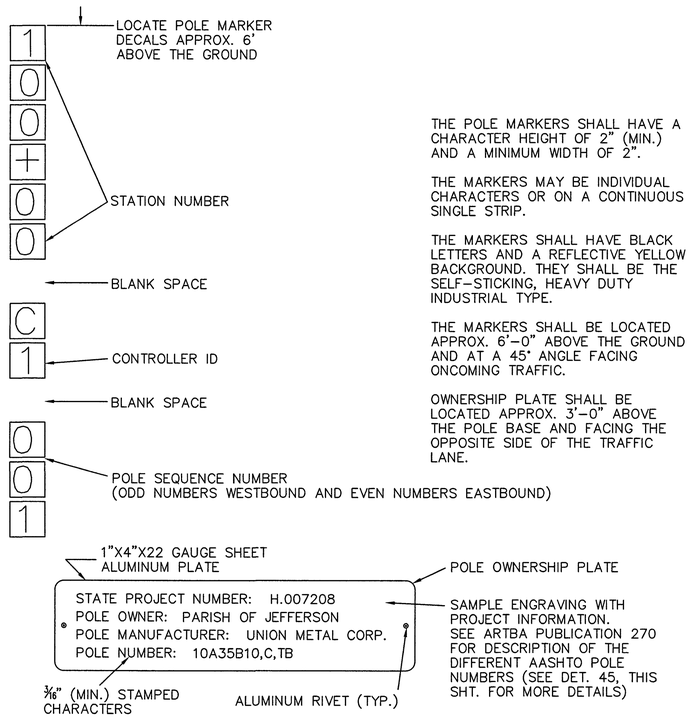


(42) ELECTRICAL LABELS
(TYPICAL - ENGRAVED STOCK TYPE)
N.T.S.

WHERE SHOWN ON THE PLANS OR REQUIRED BY THE PROJECT ENGINEER, ALL LIGHTING CONTROLLERS, SWITCHBOARDS, CONTROL DESKS, DISCONNECTS, JUNCTION BOXES, GATE HOUSINGS, AND OTHER EQUIPMENT ENCLOSURES SHALL HAVE LABEL AS SHOWN BELOW. REFER TO PLAN SHEETS AND DETAILS FOR LABEL NAME AND LOCATION OF LABEL. LABEL SHALL BE FABRICATED FROM 1/16" THICK (MINIMUM) PHENOL PLATE ENGRAVED STOCK. LABEL SHALL HAVE SATIN BLACK OUTER LAYER. LABEL SHALL HAVE WHITE INNER LAYER. LABEL SHALL HAVE 45° BEVELED EDGES. LABEL NAME SHALL HAVE 1" SIZE (MINIMUM) BLOCK-STYLE LETTERS. LABEL SHALL HAVE FOUR (4) 1/8" (MINIMUM) DIAMETER PRE-DRILLED HOLES, ONE (1) LOCATED AT EACH CORNER, FOR MOUNTING LABEL. LABEL SHALL BE FASTENED TO EQUIPMENT USING #6-32 (MINIMUM) MARINE DUTY STAINLESS STEEL SELF-TAPPING MACHINE SCREWS HAVING 30000 PSI (MINIMUM) YIELD STRENGTH. LABEL SHALL BE LEVEL AFTER INSTALLATION. INSTALL LABELS WHERE APPLICABLE OR AS INDICATED IN THE PLANS. ANY VARIATIONS IN LABEL SIZE MUST BE SUBMITTED TO THE BRIDGE DESIGN ENGINEER FOR APPROVAL.



(43) ELECTRICAL LABELS
(TYPICAL - ENGRAVED PHENOL STOCK TYPE)
N.T.S.



THE POLE MARKERS SHALL HAVE A CHARACTER HEIGHT OF 2" (MIN.) AND A MINIMUM WIDTH OF 2".

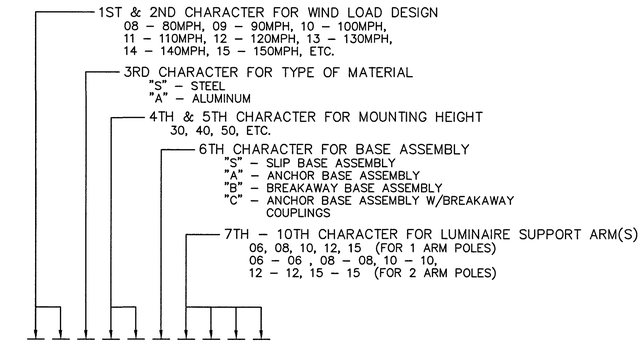
THE MARKERS MAY BE INDIVIDUAL CHARACTERS OR ON A CONTINUOUS SINGLE STRIP.

THE MARKERS SHALL HAVE BLACK LETTERS AND A REFLECTIVE YELLOW BACKGROUND. THEY SHALL BE THE SELF-STICKING, HEAVY DUTY INDUSTRIAL TYPE.

THE MARKERS SHALL BE LOCATED APPROX. 6'-0" ABOVE THE GROUND AND AT A 45° ANGLE FACING ONCOMING TRAFFIC.

OWNERSHIP PLATE SHALL BE LOCATED APPROX. 3'-0" ABOVE THE POLE BASE AND FACING THE OPPOSITE SIDE OF THE TRAFFIC LANE.

(44) POLE MARKER DECAL AND OWNERSHIP PLATE
(TYPICAL - LOW MAST)
N.T.S.



ADDITIONAL SUFFIXES MAY BE AS FOLLOWS:

"C" - BOLT COVERS
"B" - SINGLE BALLAST ADAPTER
"B2" - TWIN BALLAST ADAPTER
"NH" - OMIT HANDHOLE
"NAB" - OMIT ANCHOR BOLTS
"P" - PAINTED POLE FOLLOWED BY COLOR
"X" - HANDHOLE LOCATION OTHER THAN 90° (90° IS STANDARD LOCATION)
"CA" - CLAMP TYPE ARM ATTACHMENT (FOR ALUMINUM POLES ONLY)
"FI" - FULLY INTERCHANGEABLE POLES
"TB" - TRANSFORMER BASE WITH POLE

(45) STANDARD POLE NUMBER FORMAT
(TYPICAL - LOW MAST)
N.T.S.

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED
PROFESSIONAL ENGINEER
IN THE STATE OF LOUISIANA

SHEET NUMBER 84
PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208
DESIGNED BH
CHECKED SJ
DETAILED BH
CHECKED SJ
DATE 07/18/25
SHEET

NO	REVISION DESCRIPTION	DATE	BY

LIGHTING DETAILS - NAMEPLATES, MARKERS & LABELING
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD
PERRIN & CARTER, INC.

E16

Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\Electrical\LATEST-REVISED START Reduced Scope Electrical\Harvey Blvd. Lighting E16.dwg 07.24.2025 09:33.22
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ELECTRICAL SERVICE EQUIPMENT DESCRIPTION LIST (SERIES 100 ITEMS)

ITEM NO	ITEM NAME	QUANTITY	PAY ITEM REFERENCE	MANUFACTURER	CATALOG NO.	ALT. MANUFACTURER	DESCRIPTION
100–102	–	–	–	–	–	–	NOT USED
103	DISCONNECT, SERVICE	1	TS–822–09161	SQUARE D	HU364SS	SIEMENS	NON–FUSIBLE, HEAVY DUTY, 2 POLE, 600 VAC, S/N, 100 AMPERE RATED SAFETY SWITCH IN A NEMA 4X TYPE 316 STAINLESS STEEL ENCLOSURE, SERVICE ENTRANCE RATED.
104							NOT USED

LIGHTING CONTROLLER EQUIPMENT DESCRIPTION LIST (SERIES 200 ITEMS)

ITEM NO	ITEM NAME	QUANTITY	PAY ITEM REFERENCE	MANUFACTURER	CATALOG NO.	ALT. MANUFACTURER	DESCRIPTION
200	SECONDARY POWER CONTROL SUPPORT PEDESTAL	1	TS–822–09161	BY CONTRACTOR	–	BY CONTRACTOR	CONTRACTOR SHALL INSTALL SECONDARY POWER CONTROLLER FOR LIGHTING CONTROL, CONCRETE FOUNDATION, MOUNTING STRUCTURE, FOUNDATION FOR ELECTRICAL SERVICE, AND APPURTENANCES. CONTRACTOR SHALL OBTAIN ADDITIONAL SPECIFICATIONS FOR THE ELECTRICAL SERVICE POINT FROM THE LADOTD & ELECTRICAL UTILITY CO. AND SHALL COORDINATE THE ACTUAL LOCATIONS WITH THE ELECTRICAL UTILITY CO. REFER TO PLAN SHEETS FOR ADDITIONAL REQUIREMENTS. REFER TO PLAN SHEET E11, DETAIL 2 FOR SECONDARY POWER CONTROL SUPPORT STRUCTURE DESCRIPTION.
201	CABINET ENCLOSURE	1	TS–822–09161	SECO SOUTH	–	HAMMOND	30"X 48"X 17"D CAST ALUMINUM OR STAINLESS STEEL PEDESTAL MOUNTED CABINET ENCLOSURE, HINGED DOOR SHALL HAVE NEOPRENE GASKET, LOCK & KEY, TEE VENT (ITEMS #202, 203, 217). REFER TO PLAN SHEET E11, DETAIL 3 FOR ADDITIONAL REQUIREMENTS.
202	CABINET LOCK	1	TS–822–09161	CCL SECURITY PROD.	R357SGS	PDC, INC.	BRASS, CAST ZINC ALLOY POLICE CALL BOX LOCK.
203	CABINET KEY	1	TS–822–09161	CCL SECURITY PROD.	R4266	PDC, INC.	LONG KEY, COMPATIBLE WITH CABINET LOCK (ITEM #202). TWO (2) KEYS PROVIDED FOR EACH CABINET.
204	MAIN CIRCUIT BREAKER	1	TS–822–09161	SIEMENS	CQD2100	SQUARE D	100 AMP, 600 VAC RATED, 14kAIC (MIN.) @ 480 VAC, 2 POLE CIRCUIT BREAKER.
205							NOT USED
206	BRANCH CIRCUIT BREAKER	6	TS–822–09161	SIEMENS	CQD230	SQUARE D	30 AMP, 600 VAC RATED, 14kAIC (MIN.) @ 480 VAC, 2 POLE CIRCUIT BREAKER.
207	LIGHTING CONTACTOR	1	TS–822–09161	SQUARE D	8903	CUTLER–HAMMER	30 AMP CONTACT RATING, ELECTRIC HELD N.O. CONTACTOR, 12 CONTACTS, 600 VAC RATED, 240 VAC COIL, HIGH PRESSURE BOX LUG.
208	POWER DISTRIBUTION BLOCK	1	TS–822–09161	MERSEN	67662	SQUARE D	INTERMEDIATE, BOX TO BOX, 2 POLE AL STUD, 600 V RATED POWER DISTRIBUTION BLOCK, WITH 2 SAFETY COVERS, MNT. WITH STAINLESS STEEL HARDWARE. PRIMARY WIRE RANGE: 350 – #6 (1 COUNT MIN). SECONDARY WIRE RANGE: #2 –14 (6 COUNT MIN).
209	SECONDARY SURGE ARRESTOR	1	TS–822–09161	SQUARE D	SDSA3650	DITEK	650 VAC RATED PHASE TO GND. (MAX.) SURGE ARRESTOR, 50/60 HZ, 40kA/" (MAX.) SURGE AMPS, THERMAL FUSING, U.L. LISTED.
210	CONTROL FUSE HOLDER	1	TS–822–09161	COOPER–BUSSMANN	BC6031B	MERSEN	30 A, CLASS CC, 600 VAC FUSE HOLDER, U.L. LISTED, 1 POLE, COPPER BOX LUG TERMINALS.
211	CONTROL FUSE	1	TS–822–09161	COOPER–BUSSMANN	KTK–R–7	MERSEN	7 AMP, CLASS CC, FAST–ACTING, 600 VAC CONTROL FUSE, U.L. LISTED.
212	PHOTO–ELECTRIC CONTROL	1	TS–822–09161	PRECISION	ECDV–C–P–TD	INTERMATIC	TWIST LOCK, MOUNTING BRKT., SOLID STATE, HERMETICALLY SEALED PHOTO–ELECTRIC CONTROL, 105–285 VAC, 1800 VA, TIME DELAY SWITCHING, N.C. CONTACT, OPER. SWITCH LEVELS 2.0 F.C. ON/OFF +20%, TEMP. RANGE –40°F TO +140°F. DRILL 1." DIA. HOLE IN REAR OF CABINET, CEMENT PLEXIGLASS OVER HOLE, INSTALL ASSEMBLY ON CABINET, POSITION PHOTOCELL CONTROL WINDOW EYE TOWARDS THE HOLE. REAR OF CABINET SHALL FACE TOWARDS THE NORTH–NORTHWEST.
213	PHOTO–ELECTRIC CONTROL RECEPTACLE	1	TS–822–09161	PRECISION	M2A	INTERMATIC	PLUG AND TWIST, 3 PRONG NEMA LOCKING TYPE, 105–300 VAC RECEPTACLE, COMPATIBLE WITH PHOTO–ELECTRIC CONTROL (ITEM #212).
214	H–O–A SWITCH	1	TS–822–09161	APEM COMPONENTS	3539–001N000	HONEYWELL	TOGGLE, S.P.D.T. SWITCH, 10 A @ 250VAC, CTR.–OFF, MAINTAINED CONTACTS, CHROME OR NICKEL FINISH LEVER. MOUNT SWITCH IN 1–GANG BOX WITH BLANK COVER. TAP HOLE IN COVER CENTER TO MOUNT SWITCH. INSTALL PERMANENT "HAND", "OFF", "AUTO" LABELS INDICATING SWITCH POSITIONS.
215	SEALING BOOT	1	TS–822–09161	APEM COMPONENTS	U2252	MOUSER ELECTRONIC	NEOPRENE, SHORE 50, BLACK TOGGLE SEALING BOOT.
216	MOUNTING PLATE	1	TS–822–09161	PORT PLASTICS	NP610	CURRENT	1/2" INSULATED MOUNTING BOARD, PHENOLIC LAMINATE, NEMA GRADE X, TAN NATURAL COLOR. MOUNT TO BOSS FEET ON BOX W/ S.S. FLAT HEAD SCREWS, CTR–SINK HOLES TO MATCH SCREWS.
217	VENT	1	TS–822–09161	SECO SOUTH	11338	–	1 1/2" TEE VENT, WITH THREAD NIPPLE, CENTER TEE VENT ON TOP OF CABINET ENCLOSURE.
218	UNIVERSAL DRAIN/ BREATHER	1	TS–822–09161	APPLETON	ECDB50B	CROUSE–HINDS	1/2" STAINLESS STEEL UNIVERSAL DRAIN/BREATHER FOR CONTINUOUS VENTILATION AND WATER DRAINAGE, RAINTIGHT.
219	THREADED HUB & REDUCER BUSHING	1	TS–822–09161	SQUARE D/ CROUSE–HINDS	B075/RE21	HUBBEL/RCO	3/4" THREADED HUB, 3/4" TO 1/2" STEEL REDUCER BUSHING.
220							NOT USED
221	H–O–A SWITCH 1–GANG BOX W/ BLANK COVER	1	TS–822–09161	CARLON	E981EFN E980CN–CAR	HONEWELL	1–GANG NON–METALLIC BOX. BLANK COVER WITH STAINLESS STEEL MOUNTING SCREWS AND GASKET.
222	POWER DISTRIBUTION BLOCK (LARGE)	1	TS–822–09161	MERSEN	67422	SQUARE D	INTERMEDIATE, BOX TO BOX, 2 POLE AL STUD, 600 V RATED POWER DISTRIBUTION BLOCK, WITH 2 SAFETY COVERS, MNT. WITH STAINLESS STEEL HARDWARE. PRIMARY WIRE RANGE: 500kCMIL – #4AWG (1 COUNT MIN.). SECONDARY WIRE RANGE: #4/0 – #6AWG (2 COUNT MIN.)
223	CABLE CLAMP	AS REQUIRED	TS–822–09161	PANDUIT	CCH	HEYCO	PANEL MOUNT FIXED DIAMETER INSULATED CABLE CLAMPS, SIZE AS REQUIRED. SECURE TO MOUNTING PLATE WITH STAINLESS STEEL HARDWARE.

NOTES:

1) EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL. QUANTITIES ARE APPROXIMATE.
2) DESCRIPTION SHALL GOVERN OVER CATALOG NUMBERS.
3) THIS LIST IS NOT TO BE USED AS A SUMMARY OF ESTIMATED QUANTITIES BUT IS PROVIDED TO ASSIST THE CONTRACTOR FOR BIDDING. IT MAY NOT INCLUDE ALL ITEMS TO BE BID. THE CONTRACTOR SHALL REVIEW THE ENTIRE PLAN SET PRIOR TO BIDDING.
4) REFER TO 400 NUMBER ITEM LIST FOR LIGHTING CONTROLLER LABEL, CONDUIT, CONDUCTOR AND GROUND EQUIPMENT DESCRIPTION.

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED
PROFESSIONAL ENGINEER
BY: [signature]
CIVIL ENGINEER

SHEET NUMBER 85

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	DETAILED	DATE
BH	BH	07/18/25
CHECKED	CHECKED	SHEET
SJ	SJ	

NO.	DATE	REVISION DESCRIPTION	BY

LIGHTING EQUIPMENT DESCRIPTION LIST (SERIES 100 & 200 ITEMS)

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD
PERRIN & CARTER, INC

E17

LUMINAIRE, POLE, AND JUNCTION BOX EQUIPMENT DESCRIPTION LIST (SERIES 300 ITEMS)

ITEM NO	ITEM NAME	QUANTITY	PAY ITEM REFERENCE	MANUFACTURER	CATALOG NO.	ALT. MANUFACTURER	DESCRIPTION
300	MODULAR POLE CABLE/CORD SYSTEM DISTRIBUTION BLOCK	17	TS-822-09132	MG²	DOT•PLUG	–	DISTRIBUTION BLOCK SHALL CONTAIN A THREE WIRE OUTLET INTEGRALLY MOLDED TO 2' (MIN.) LENGTH OF #10 DLO CABLE. WATERTIGHT WHEN THE PLUG IS ENGAGED AND FULLY SEATED. DIMENSIONS APPX. 2"X3"X3". THESE DIMENSIONS ARE CRITICAL DUE TO LIMITED SPACE IN THE JUNCTION BOX. REFER TO PLAN SHEET #E14 "DETAIL 18" FOR ADDITIONAL SPECS & REQS. SEE NOTE #4.
301	MODULAR POLE CABLE/CORD SYSTEM POWER CABLE	17	TS-822-09132	MG²	DOT•PLUG	–	12' (MIN.) LENGTH OF 14/3 SOWA CABLE WITH A FUSED MALE PLUG (MODEL# 3MFP10) ON ONE END AND A FEMALE CONNECTOR (MODEL# FTP-3) ON THE OTHER END. FUSED PLUG SHALL BE MOLDED IN RED AND THE FEMALE PLUG IN ORANGE. FUSED PLUG SHALL CONTAIN A 2 BUSS KTK 5 AMPS FOR SINGLE LUMINAIRE AND 10 AMPS FOR DUAL LUMINAIRE. 500 VOLT FUSE (SIZE AS REQUIRED) AND PROVIDE A WATERTIGHT SEAL WHEN MATED TO THE DIST. BLOCK. CABLE SHALL BE RESTRAINED AT EACH END OF THE CONDUIT TO PREVENT MOVEMENT AND FORCE DISCONNECTION UPON POLE BREAKAWAY. REFER TO PLAN SHEET #E14 "DETAIL 18" FOR ADDITIONAL SPECS & REQS. SEE NOTE #4.
302	MODULAR POLE CABLE/CORD SYSTEM LUMINAIRE CABLE	17	TS-822-09132	MG²	DOT•PLUG	–	VARIABLE LENGTH 14/3 SOWA CABLE WITH MALE PLUG MOLDED IN ORANGE. CONNECTOR SHALL REQUIRE 25 POUND FORCE TO MATE OR TO DISENGAGE FROM THE FEMALE END. WHEN ENGAGED, CONNECTION SHALL BE WATERTIGHT. CABLE STRAIN RELIEF SHALL EXTEND APPX. 2" FROM CONNECTOR. REFER TO PLAN SHEET #E14 DETAIL 18 FOR ADDITIONAL SPECS & REQS. SEE NOTE #4.
303	LOW VOLTAGE CLOSURE	17	TS-822-09132	MG²	MG2-SC-2	–	600V RATED LOW-VOLTAGE CLOSURE WITH SILICONE GEL FOR UNDERGROUND APPLICATIONS. SHALL MEET ANSI C119.1-1986 REQUIREMENTS. PROVIDED AS PART OF DOT•PLUG. SEE NOTE #4.
304	SPLIT-BOLT CONNECTOR	AS REQUIRED	TS-822-09132	BURNDY/SERVIT	KS	–	HIGH STRENGTH COPPER ALLOY, MECHANICAL, PROVIDE CONNECTORS WITH A RANGE THAT WILL ACCOMMODATE THE LARGEST GROUNDING CONDUCTOR AT EACH LOCATION. PROVIDED AS PART OF DOT•PLUG. SEE NOTE #4.
305							NOT USED
306	UNDERGROUND JUNCTION BOX (JB-1)	17	TS-822-09132	QUAZITE	PG1118HA00, PG1118BA12	ARMORCAST	11"X18" POLYMER CONCRETE OR HIGH-DENSITY POLYETHYLENE UNDERGROUND JUNCTION BOX. BOX COVER SHALL INCLUDE "LIGHTING" LOGO. REFER TO PLAN SHEET E3, PARAGRAPH F, AND PLAN SHEET E15 "DETAIL 34 AND 35" FOR ADDITIONAL SPECIFICATIONS AND REQUIREMENTS.
307	UNDERGROUND JUNCTION BOX (JB-2)	3	TS-822-09132	QUAZITE	PG2436HA00, PG2436BA18	ARMORCAST	24"X36" POLYMER CONCRETE OR HIGH-DENSITY POLYETHYLENE UNDERGROUND JUNCTION BOX. BOX COVER SHALL INCLUDE "LIGHTING" LOGO. REFER TO PLAN SHEET E3, PARAGRAPH F, AND PLAN SHEET E15 "DETAIL 34 AND 36" FOR ADDITIONAL SPECIFICATIONS AND REQUIREMENTS.
308							NOT USED
309							NOT USED
310							NOT USED
311							NOT USED
312							NOT USED
313							NOT USED
314							NOT USED
315							NOT USED
316							NOT USED
317							NOT USED
318							NOT USED
319							NOT USED
320	LUMINAIRE, 4K LED COBRA HEAD	18	TS-822-03002	AMERICAN ELECTIRIC LIGHTING	ATB2 P601480R3P7SH AUTOBAHN SEIRES	COOPER	4K-LED COBRA HEAD FIXTURE WITH CUTOFF REFRACTOR., AND EXTERIOR SHIELD. HOUSING SHALL BE METALLIC SILVER AND COMPATIBLE WITH COLOR OF SPUN ALUMINUM POLES. , ANSI C136.31 BRIDGE AND UNDERPASS 3G VIB. RATING, UL LISTED, REFER TO PLAN SHEET E4 NOTES A & B..
321							
322	POLE MARKER DECAL	18	TS-822-09132	SETON	M3859	3M	SELF-ADHESIVE VINYL CLOTH MARKERS, 2"X4" WITH A MINIMUM 3" CHARACTER HEIGHT. MARKERS SHALL HAVE BLACK LETTERS AND A REFLECTIVE YELLOW BACKGROUND. REFER TO PLAN SHEET #E16 DETAIL 44 FOR ADDITIONAL INFORMATION.
323	POLE OWNERSHIP PLATE	18	TS-822-09132	UNION METAL	–	VALMONT	2"X4"X22 (NOMINAL) GAUGE SHEET ALUMINUM PLATE, ⅜" MIN. STAMPED CHARACTER, ALUMINUM RIVETS. SHALL INCLUDE THE FOLLOWING INFORMATION: STATE PROJECT NUMBER, POLE OWNER, POLE MANUFACTURER, AND POLE NUMBER. REFER TO PLAN SHEET #E16 DETAIL 44 FOR MORE INFO.
324	–	–	–	–	–	–	NOT USED
325	LIGHT POLE, LOW MAST, 35 FT.	18	TS-822-09132	HAPCO	RTA 35F8B4 M1 10-01	VALMONT	35' MOUNTING HEIGHT, ALUMINUM (RISE AS REQUIRED FOR LUMINAIRE MOUNTING HEIGHT), SINGLE 12' TRUSS ARM, BREAKAWAY TRANSFORMER BASE, PILE AND CONCRETE CAP, CONCRETE MOWING APRON, REFER TO DETAILS ON PLAN SHEET E13 FOR ADDITIONAL SPECS. AND REQUIREMENTS.
326	CONCRETE MOWING PAD APRON.	17	TS-822-09132	BY CONTRACTOR	–	BY CONTRACTOR	REINFORCED CONCRETE APRON TO BE INSTALLED AROUND HELICAL PILE SUPPORTED LIGHT POLE. DETAILS FOR CONCRETE APRON SHOWN ON DRAWING E13, TYPICAL LIGHT POLE FOUNDATION, DETAILS 13 AND 14.

NOTES:

1) EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL. QUANTITIES ARE APPROXIMATE.

2) DESCRIPTION SHALL GOVERN OVER CATALOG NUMBERS.

3) THIS LIST IS NOT TO BE USED AS A SUMMARY OF ESTIMATED QUANTITIES BUT IS PROVIDED TO ASSIST THE CONTRACTOR FOR BIDDING. IT MAY NOT INCLUDE ALL ITEMS TO BE BID. THE CONTRACTOR SHALL REVIEW THE ENTIRE PLAN SET PRIOR TO BIDDING.

4) ITEMS 300-304 TO BE SUBMITTED AS A UNIFIED PACKAGE.

07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No. 19229
REGISTERED PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

E18

SHEET NUMBER 86

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED	DETAILED	DATE	SHEET
BH	BH	07/18/25	
CHECKED	CHECKED		BY
SJ	SJ		

NO	DATE	REVISION DESCRIPTION

LIGHTING EQUIPMENT DESCRIPTION LIST (SERIES 300 ITEMS)

HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

DOTD

PERRIN & CARTER, INC.

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\Electrical\LATEST-REVISED START Reduced Scope Electrical\Harvey Blvd Lighting E18.dwg 07.24.2025 09:35:11

07/24/2025 09:35

CONDUIT, CONDUCTOR, GROUND, AND LABEL EQUIPMENT DESCRIPTION LIST (SERIES 400 ITEMS)

ITEM NO	ITEM NAME	QUANTITY	PAY ITEM REFERENCE	MANUFACTURER	CATALOG NO.	ALT. MANUFACTURER	DESCRIPTION
400	DUCT MARKER (CONCRETE)	6	TS-822-09110	–	–	–	2"X2'X6" THICK DUCT MARKER. THE WORD "DUCT", NO. OF DUCTS, AND SIZE OF DUCT IMPRESSED ON SURFACE OF EACH MARKER. 4"X3" CHARACTERS, WITH 1/2" WIDE BY 1/4" DEEP STROKE. REFER TO PLAN SHEET E15 "DETAIL 32" FOR ADDITIONAL SPECS AND REQS.
401	–	–	–	–	–	–	NOT USED
402	–	–	–	–	–	–	NOT USED
403	WARNING LABEL, ARC FLASH & SHOCK HAZARD	AS REQUIRED	8TS-822-09110	SETON	–	REBEL STAMP	5"X7" (MIN.), SELF-ADHESIVE, WATER AND CHEMICAL RESISTANT, FLEXIBLE VINYL., OUTDOOR RATED, PROTECTED FROM U.V. RADIATION, MOISTURE, OXIDATION, AND OTHER POLLUTANTS. BLACK FONT IN ORANGE BACKGROUND. REFER TO PLAN SHEET E16 "DETAIL 42", LABEL "L1" FOR ADDITIONAL SPECS.
404	JACK & BORED CASING	–	TS-822-09125	DURALINE		BLUE DIAMOND	6" SCHEDULE 80 PROTECTIVE CASING INSTALLED BY JACK & BORE.
405	DANGER 240/480 VOLTS LABEL	AS REQUIRED	TS-822-09161	SETON	–	REBEL STAMP	5"X7" (MIN.), SELF-ADHESIVE, WATER AND CHEMICAL RESISTANT, FLEXIBLE VINYL., OUTDOOR RATED, PROTECTED FROM U.V. RADIATION, MOISTURE, OXIDATION, AND OTHER POLLUTANTS. REFER TO PLAN SHEET E16 "DETAIL 42", LABEL "L2" FOR ADDITIONAL SPECS.
406	NAME PLATE	AS REQUIRED	TS-822-09161	GULF COAST POWER & CONTROL	–	REBEL STAMP	FABRICATED FROM $\frac{1}{16}$" THICK (MIN.) PHENOL PLATE ENGRAVED STOCK, WITH SATIN BLACK OUTER LAYER AND WHITE INNER LAYER, 45° BEVELED EDGES, 1" SIZE (MIN.) BLOCK-STYLE LETTERS. FOUR (4) ." (MIN.) DIAMETER PRE-DRILLED HOLES, ONE (1) LOCATED AT EACH CORNER. REFER TO PLAN SHEET #E16 "DETAIL 43" FOR ADDITIONAL SPECS.
407	RIGID GALVANIZED STEEL CONDUIT & FITTING	AS REQUIRED	TS-822-09112	WHEATLAND TUBE CO.	–	ALLIED	2" HOT DIPPED GALVANIZED RIGID STEEL CONDUIT & FITTINGS. REFER TO PLAN SHEET E3, "RIGID STEEL CONDUIT AND FITTINGS", FOR ADDITIONAL SPECIFICATIONS AND REQUIREMENTS.
408	RIGID ALUMINUM CONDUIT & FITTING	AS REQUIRED	TS-822-09111	ALLIED	–	WHEATLAND TUBE CO.	2" RIGID ALUMINUM CONDUIT AND FITTINGS. REFER TO PLAN SHEET E3, "RIGID ALUMINUM CONDUIT AND FITTINGS," FOR ADDITIONAL SPECIFICATIONS AND REQUIREMENTS.
409	SCHEDULE 40 PVC CONDUIT, & FITTING	AS REQUIRED	TS-822-09110	CANTEX	–	CARLON	3/4" & 2" SCHEDULE 40 PVC HEAVY WALL CONDUIT AND FITTINGS. FOR USE IN BELOW GROUND APPLICATIONS. RATED FOR USE WITH 90°C CONDUCTORS. REFER TO PLAN SHEET E3 "NON-METALLIC CONDUITS AND FITTINGS" FOR ADDITIONAL SPECIFICATIONS AND REQUIREMENTS.
410	SCHEDULE 80 PVC CONDUIT & FITTING	AS REQUIRED	TS-822-09110	CANTEX	–	CARLON	6" SCHEDULE 80 PVC EXTRA HEAVY WALL CONDUIT AND FITTINGS. FOR USE IN BELOW GROUND APPLICATIONS, RATED FOR USE WITH 90°C CONDUCTORS. REFER TO PLAN SHEET E3 "NON-METALLIC CONDUITS (NM) AND FITTINGS" FOR ADDITIONAL SPECIFICATIONS AND REQUIREMENTS.
411							NOT USED
412	EXPANSION FITTING	4	TS-822-0911	OZ/GEDNEY	AX-A	SPRING CITY	ALUMINUM WEATHERPROOF EXPANSION FITTING, 4" MOVEMENT WITH ALUMINUM BONDING JUMPER/ STRAP (SEE ITEM #421), STAINLESS STEEL HARDWARE. INSULATING BUSHING.
413	CONDUIT CLAMP	AS REQUIRED	TS-822-0912	OZ/GEDNEY	14-G	THOMAS & BETTS	MALLEABLE IRON/HOT DIPPED GALVANIZED CONDUIT PIPE STRAPS, CLAMP BACKS, AND CONDUIT SPACERS FOR RIGID AND FLEXIBLE METALLIC CONDUIT. SHALL MEET CSA CERTIFICATION 9795, CSA C22.2 NO. 18, AND FEDERAL SPECIFICATION FF-S-760.
414	INSULATED CONDUCTORS	AS REQUIRED	TS-822-09110	AMERICAN INSULATED	–	SERVICE WIRE CO.	#2, #4, #8 AWG CLASS B, TYPE XHHW-2, 90°C, 600V, CROSS-LINKED POLYETHYLENE INSULATED COPPER CONDUCTORS. REFER TO PLAN SHEET E3 PARAGRAPH C FOR SPECIFICATIONS AND REQUIREMENTS.
415	BARE CONDUCTORS	AS REQUIRED	TS-822-09110	SERVICE WIRE CO.	–	SOUTHWIRE	#2, #4 AWG BARE SOLID COPPER CONDUCTORS. REFER TO PLAN SHEET E3 PARAGRAPH C FOR SPECIFICATIONS AND REQUIREMENTS.
416	COMPRESSION TYPE WIRE CONNECTOR	AS REQUIRED	TS-822-09110	BURNDY	YS-L	BLACKBURN	COPPER COMPRESSION BARREL TYPE WIRE CONNECTOR. UL LISTED, 90°C RATED, 600 VOLTS. CONNECTOR SHALL PROVIDE A CENTER WIRE STOP FOR PROPER CONDUCTOR INSERTION. REFER TO PLAN SHEET E3 PARAGRAPH D FOR ADDITIONAL SPECS & REQS.
417	GEL TYPE SPLICE KIT	AS REQUIRED	TS-822-09110	TYCO	GTAP	RAYCHAM	GEL TAP SPLICE KIT DESIGNED FOR UNDERGROUND ENVIRONMENTS. SPLICE KIT SHALL INCLUDE FOUR PORT MECHANICAL CONNECTORS, A SNAP-LOCK, HINGED CLOSURE WITH FRANGIBLE FINGERS, AND HIGH DIELECTRIC SILICONE GEL. REFER TO PLAN SHEET E14 "DETAIL 21" FOR ADDITIONAL SPECS & REQS.
418	GROUND ROD	AS REQUIRED	TS-822-09110	ERITECH	613400	GALVAN INDUSTRIES	3/4" DIAMETER BY 10' (MINIMUM) GROUND ROD CONSTRUCTED FROM NICKEL-SEALED HIGH QUALITY CARBON STEEL HAVING A CONSISTENT COVERING OF ELECTROLYTICALLY APPLIED COPPER (I.E. COPPER BONDED OR COPPER CLAD). UL LISTED. REFER TO PLAN SHEET E3 PARAGRAPH G FOR ADDITIONAL SPECS & REQS.
419	GROUND BUSHING	AS REQUIRED	TS-822-09110	THOMAS & BETTS	3871-TB	O-Z/GEDNEY	CAST MALLEABLE IRON, THREADED, INSULATED GROUNDING BUSHING FOR LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT. SHALL INCLUDE WIRE CLAMPING SCREW AND ALUMINUM/TIN PLATED LAY-IN LUG FOR INSTALLATION OF BONDING JUMPER. INSULATOR SHALL BE RATED FOR 150°C APPLICATION.
420	EXOTHERMIC WELD KIT	AS REQUIRED	TS-822-09110	ERICO	GN	THERMOWELD	EXOTHERMIC WELD KIT(S) TO FORM A LOW-RESISTANCE, MOLECULAR BOND BETWEEN GROUNDING ELECTRODE CONDUCTORS AND GROUNDING ELECTRODES.
421	BONDING JUMPERS/STRAPS	4	TS-822-09111	O-Z/GEDNEY	ABJ	SPRING CITY	2" BONDING JUMPER FOR RIGID ALUMINUM CONDUIT. CLAMPS AND CONNECTING STRAP SHALL BE ALUMINUM. U-BOLTS AND NUTS SHALL BE STAINLESS STEEL UL LISTED AND CSA CERTIFIED.
422	SPLICE KIT	AS REQUIRED	TS-822-09110	BURNDY	UGSKIT	IDEAL INDUSTRIES	HEAT SHRINK SPLICE KIT FOR USE WITH COPPER CONDUCTORS. SPLICE SHALL BE CONSTRUCTED FROM HIGH STRENGTH, TIN PLATED ALUMINUM. HEAT SHRINK SLEEVES SHALL BE LINED WITH ADHESIVE MATERIAL TO PROVIDE A WATERTIGHT SPLICE. UL LISTED FOR DIRECT BURIAL. REFER PLAN SHEET E14 "DETAIL 21" FOR ADDITIONAL SPECS & REQS.
423	TAPE SEALANT	AS REQUIRED	TS-822-09110	THOMAS & BETTS	HSTS25	STA-KON	1" WIDE BY 1/16" THICK (MIN.) TAPE SEALANT. SHALL BE ABLE TO RESIST ACIDS, BASES AND ALCOHOLS. SERVICE TEMPERATURE -40°F TO 180°F.
424	HDPE TO PVC COUPLER	AS REQUIRED	TS-822-09110	DURALINE	SHUR LOCK II	SOUTHWIRE SIMPULL.	COUPLERS AS REQUIRED TO PROVIDE A COMPLETE SEALED AND WATERTIGHT CONDUIT SYSTEM.
425	UNDERGROUND MARKER TAPE	AS REQUIRED	TS-822-09110	IDEAL INDUSTRIES	42-251	EMPIRE LEVEL MFG.	6" WIDE MARKER TAPE, "CAUTION BURIED ELECTRIC LINE BELOW" RED/SILVER TAPE WITH BLACK INK. 3 LAYER SANDWICH WITH A LAYER OF FOIL ENCASED BETWEEN TWO LAYERS OF PLASTIC. 5 MIL (0.005") THICKNESS WITH MIN. 35 GAUGE (0.00035") SOLID ALUMINUM FOIL CORE. PRINTING ENCASED TO AVOID INK RUB-OFF. REFER TO PLAN SHEET E16 "DETAIL 41" FOR ADDITIONAL SPECS & REQS.

NOTES:

1) EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL. QUANTITIES ARE APPROXIMATE.
2) DESCRIPTION SHALL GOVERN OVER CATALOG NUMBERS.
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07/18/2025
STATE OF LOUISIANA
HENRY G. HAWNEY
REG. No 19229
REGISTERED
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEER

E19

SHEET NUMBER 87

PARISH: JEFFERSON
CONTROL SECTION: 000-26
STATE PROJECT: H.007208

DESIGNED: BH
CHECKED: SJ
DETAILED: BH
CHECKED: SJ
DATE: 07/18/25
SHEET

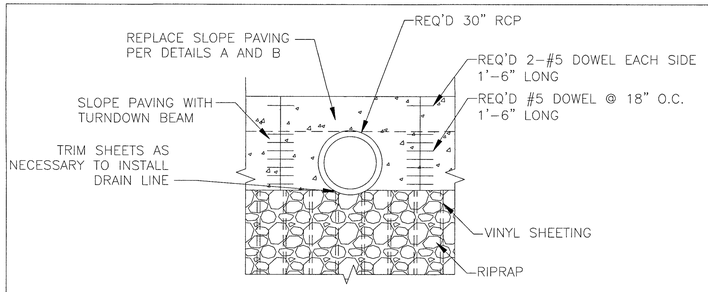
NO | DATE | BY | REVISION DESCRIPTION

LIGHTING EQUIPMENT DESCRIPTION LIST (SERIES 400 ITEMS)
HARVEY BLVD EXT (PETERS RD TO MANHATTAN)

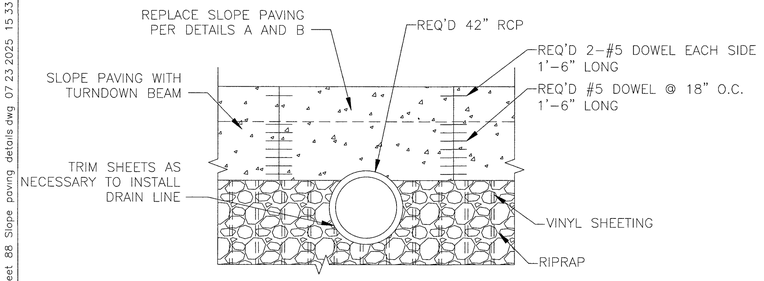
DOTD
PERRIN & CARTER, INC.

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\Electrical\LATEST-REVISED START Reduced Scope Electrical\Harvey Blvd. Lighting E19.dwg 07.24.2025 09:36:04
07/24/2025 09:36

Drawing Path C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 88 Slope paving details.dwg 07 23 2025 15 33 42
07/23/2025 15:33



SLOPE PAVING REPAIR – ELEVATION
3"=1'–0" (1 REQUIRED)

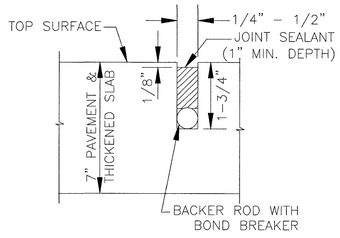


SLOPE PAVING REPAIR – ELEVATION
3"=1'–0" (1 REQUIRED)

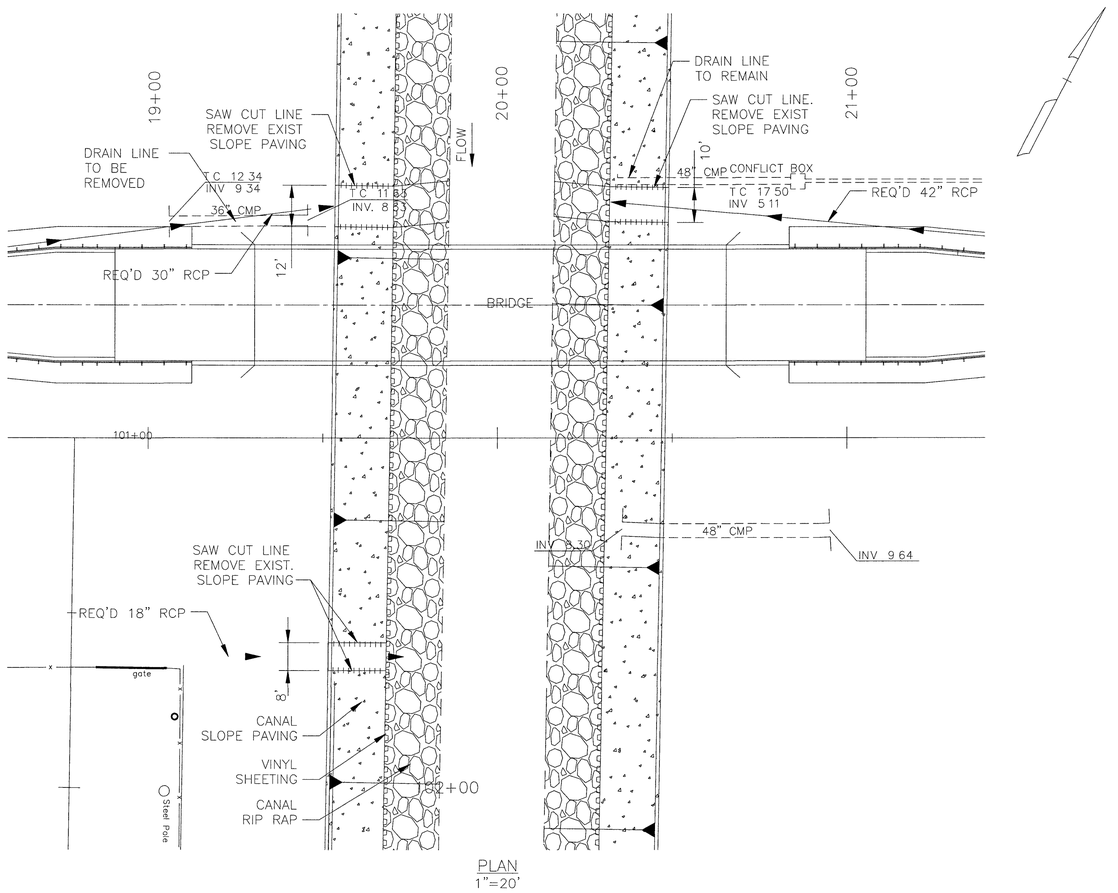
CONTRACTOR SHALL REMOVE AND REPLACE SLOPE PAVING, RIP RAP AS REQUIRED TO INSTALL NEW DRAIN PIPE OUTFALL

SAW CUTTING AND REMOVAL OF CONCRETE, SHALL BE PAID UNDER REMOVAL OF CONCRETE REVETMENT

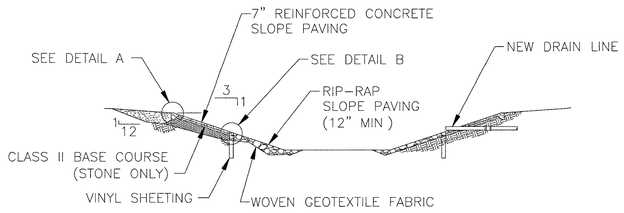
INSTALLING REINFORCED CONCRETE, DOWELING, AND JOINTS SHALL BE PAID UNDER CONCRETE CAST–IN–PLACE REVETMENT (7" THICK)



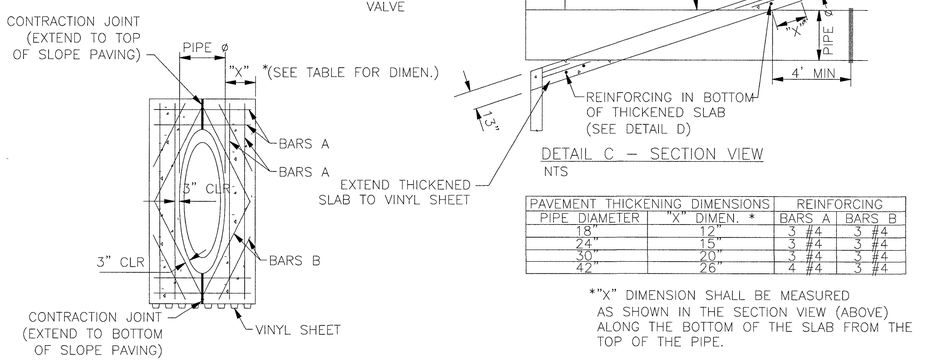
CONTRACTION JOINT DETAIL
NTS



PLAN
1"=20'



CANAL – TYPICAL SECTION
1"=20'

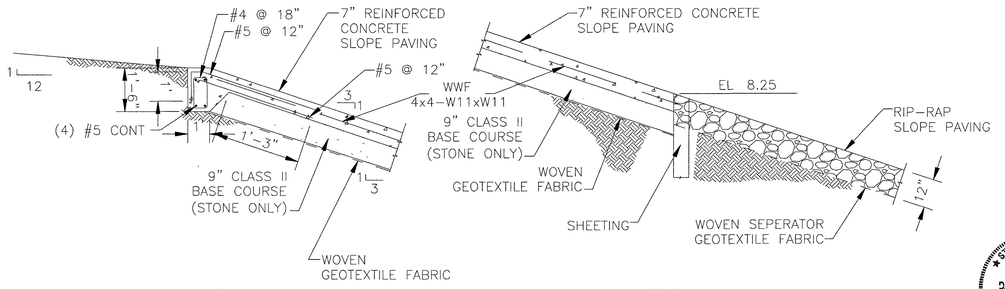


DETAIL C – SECTION VIEW
NTS

PAVEMENT THICKENING DIMENSIONS		REINFORCING	
PIPE DIAMETER	"X" DIMEN. *	BARS A	BARS B
18"	12"	3 #4	3 #4
24"	15"	3 #4	3 #4
30"	20"	3 #4	3 #4
42"	26"	4 #4	3 #4

*"X" DIMENSION SHALL BE MEASURED AS SHOWN IN THE SECTION VIEW (ABOVE) ALONG THE BOTTOM OF THE SLAB FROM THE TOP OF THE PIPE.

DETAIL D –
TYPICAL REINFORCING IN THICKENED SLAB
NTS



DETAIL A
1"=1'–0"

DETAIL B
1"=1'–0"

DRAIN LINE TIE–IN TO NEW CONCRETE THROUGH MIDDLE OF SLOPE PAVING
(TYPICAL FOR ALL PIPE PENETRATIONS)
NTS

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

HARVEY BLVD

SHEET NUMBER	88
PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	MAC / DFB
DATE / SHEET	07/18/25

SLOPE PAVING REMOVAL AND REPLACEMENT FOR DRAIN LINES

HARVEY BLVD EXT. (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

NO	DATE	REVISION DESCRIPTION	BY

05/03/2016 10:37
Final Right-of-Way Map
C:\Users\Stanley\Desktop\HARVEY BOULEVARD 2000 04-27-16.dwg

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

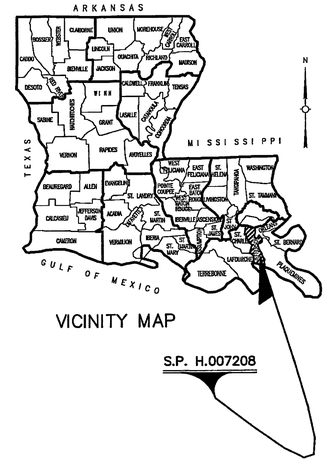
RIGHT OF WAY PROPERTY MAP OF PROPOSED
URBAN SYSTEM PROJECT

STATE PROJECT NO. H.007208

HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LOCATION OF WORK

CONTROL SECTION	LOG MILE	
	BEGIN	END
000-26	0.00	1.18
826-11	3.89	3.58



VICINITY MAP

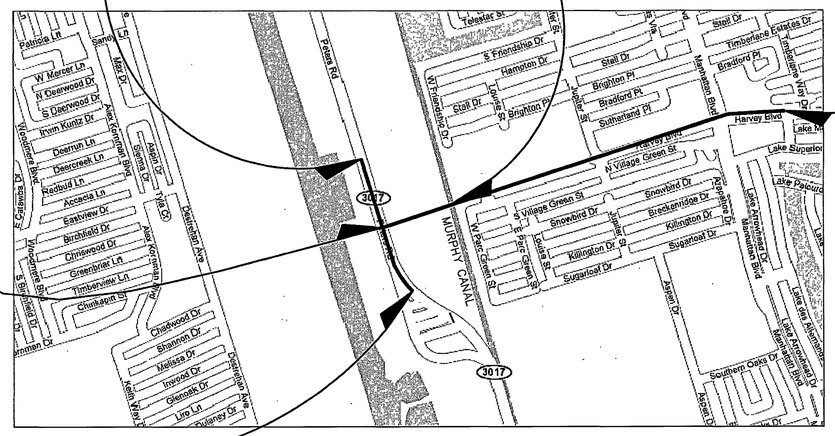
END PROJECT
C.S. 826-11
LOG MILE 3.58
STA. 59+50.00

BRIDGE SITE: 160.00'
STA. 19+18.00 TO
STA. 20+78.00

END PROJECT
C.S. 000-26
LOG MILE 1.18
STA. 72+05.53

BEGIN PROJECT
C.S. 000-26
LOG MILE 0.00
STA. 9+75.26

BEGIN PROJECT
C.S. 826-11
LOG MILE 3.89
STA. 43+00.00



LAYOUT MAP

SCALE: 1 INCH = 1000 FEET

1000 0 1000 2000 3000

STATE OF LOUISIANA
J.F. RUELLO
License No. 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

J.F. Ruello
PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

SHEET NUMBER 89

PARISH	JEFFERSON
CONTROL SECTION	000-26, 826-11
STATE PROJECT	H.007208
COMPUTED SJB	
CHECKED JFR	
DETAILED	
CHECKED	
DATE	04/27/16
SCALE	1"=1000'

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

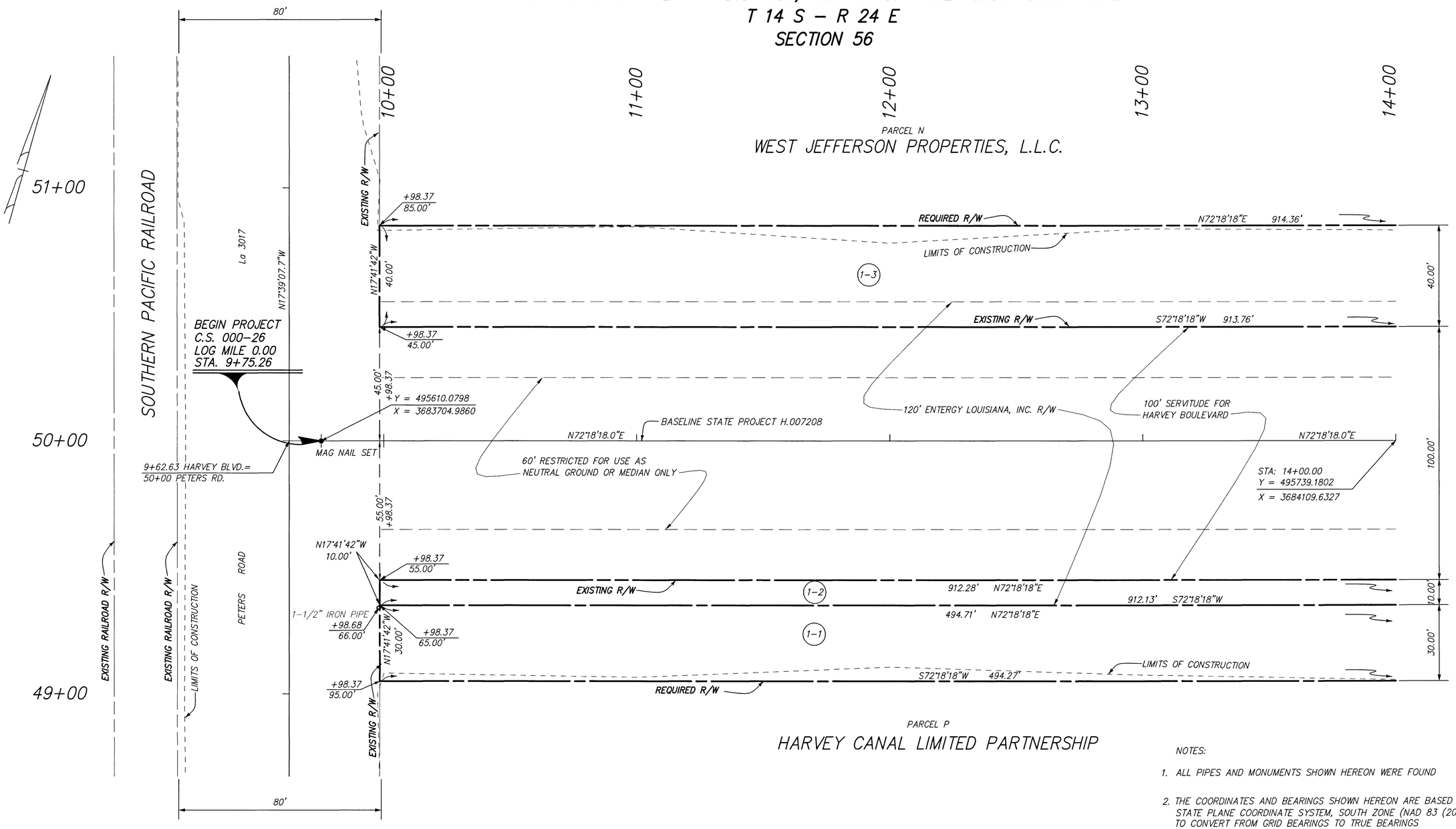
LANDMARK SURVEYING INC.

DATE	REVISION DESCRIPTION	BY

FILE NO. 04-18-1-024 R/W SHEET NO. TITLE

Final Right-of-Way Map
S:\Land Projects 2017\17-0282 Right of Way Plans Oconnor\dwg\17-0282 NEW RW and Revised 01 19 18.dwg 01/23/2019 10:31

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



PARCEL P

HARVEY CANAL LIMITED PARTNERSHIP

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS USE: 00°38'09.0"

–	+
+	–

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992899

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 1-23-2019

* 0.210 ACRES SUBJECT TO 120 FT. ENTERGY ROW
** 0.209 ACRES SUBJECT TO 120 FT. ENTERGY ROW

PARCEL	OWNER	ACQUISITION	AREA
1-3	WEST JEFFERSON PROPERTIES, L.L.C	C.O.B. 1627 FOLIO 37 DEC. 22, 1986	0.839 ACRES*
1-2	WEST JEFFERSON PROPERTIES, L.L.C	C.O.B. 1627 FOLIO 37 DEC. 22, 1986	0.209 ACRES**
1-1	HARVEY CANAL LIMITED PARTNERSHIP	C.O.B. 1627 FOLIO 129 DEC. 22, 1986	0.341 ACRES

LEGEND

EXISTING R/W	REQUIRED R/W
EXISTING C. of A.	REQUIRED C. of A.
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.
	RIGHT OF WAY LINE
	CONTROL OF ACCESS
	RIGHT OF WAY & CONTROL OF ACCESS
	LIMITS OF CONSTRUCTION
	LOT LINE
	APPARENT PROPERTY LINE
	EXISTING SERVITUDE LINE
	SECTION LINE

FILE NO. 04-18-1-024 | R/W SHEET NO. 1

SHEET NUMBER 90

PARISH	JEFFERSON
CONTROL SECTION	000-26, 826-11
STATE PROJECT	H.007208
COMPUTED	SJB
CHECKED	JFR
DETAILED	
CHECKED	
DATE	04/27/16
SCALE	1" = 20'

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC

DATE	REVISION DESCRIPTION	
3/22/2018	REVISED PARCELS 1-1, 1-2 AND 1-3	SJB

Final Right-of-Way Map
S:\Land Projects 2017\17-0282 Right of Way Plans Oconnor\dwg\17-0282 NEW RW and Revised 01 19 18.dwg 01/23/2019 10:32

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56

14+00 | 15+00 | 16+00 | 17+00 | 18+00 | 19+00

PARCEL N
WEST JEFFERSON PROPERTIES, L.L.C.

REQUIRED R/W — 914.36' N72°18'18"E — LIMITS OF CONSTRUCTION — EXISTING R/W

EXISTING R/W — S72°18'18"W 913.76'

+12.73 / 85.00' — EXISTING R/W — 40.00' S16°50'42"E — +12.14 / 45.00'

25' NO BUILD ZONE — 100' SERVITUDE FOR HARVEY BOULEVARD — BASELINE STATE PROJECT H.007208 — BASELINE

STA 19+11.47
Y = 495894.6413
X = 3684596.9036

N72°18'18.0"E — N72°18'18.0"E

STA: 14+00.00
Y = 495739.1802
X = 3684109.6327

25' / 25' / 25' / 25' — 120' ENTERGY LOUISIANA, INC. R/W — 25' / 25' / 25' / 25' — 25' NO BUILD ZONE

60' RESTRICTED FOR USE AS NEUTRAL GROUND OR MEDIAN ONLY — 25'

45.01 +11.47 — CANAL

55.01 +11.47 — MURPHY

100.00'

1-1/2" IRON PIPE
+92.10 / 64.00'
+93.09 / 65.00'
EXISTING R/W
LIMITS OF CONSTRUCTION
(1-2)
912.28' N72°18'18"E
912.13' S72°18'18"W
REQUIRED R/W
+10.65 / 55.00'
S16°50'42"E 10.00'
+10.51 / 65.00'
+09.51 / 64.99'
1-1/2" IRON PIPE
EXISTING R/W

494.71' N72°18'18"E
(1-1)
30.00' S16°50'42"E
494.27' S72°18'18"W
+92.64 / 95.00'
REQUIRED R/W

PARCEL P
HARVEY CANAL LIMITED PARTNERSHIP

10.00'

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed PROFESSIONAL LAND SURVEYOR

J.F. Ruello
PROFESSIONAL LAND SURVEYOR
DATE: 1-23-2019

LEGEND

EXISTING R/W / REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A. / REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A. / REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
	LIMITS OF CONSTRUCTION
	LOT LINE
	APPARENT PROPERTY LINE
	EXISTING SERVITUDE LINE
	SECTION LINE

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'11.2" (− | +) (+ | −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992897

PARCEL	OWNER	ACQUISITION	AREA

FILE NO. 04-18-1-024 — R/W SHEET NO. 2

SHEET NUMBER 91

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

COMPUTED SJB / CHECKED JFR — DETAILED CHECKED — DATE 04/27/16 — SCALE 1"=20'

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD–MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC

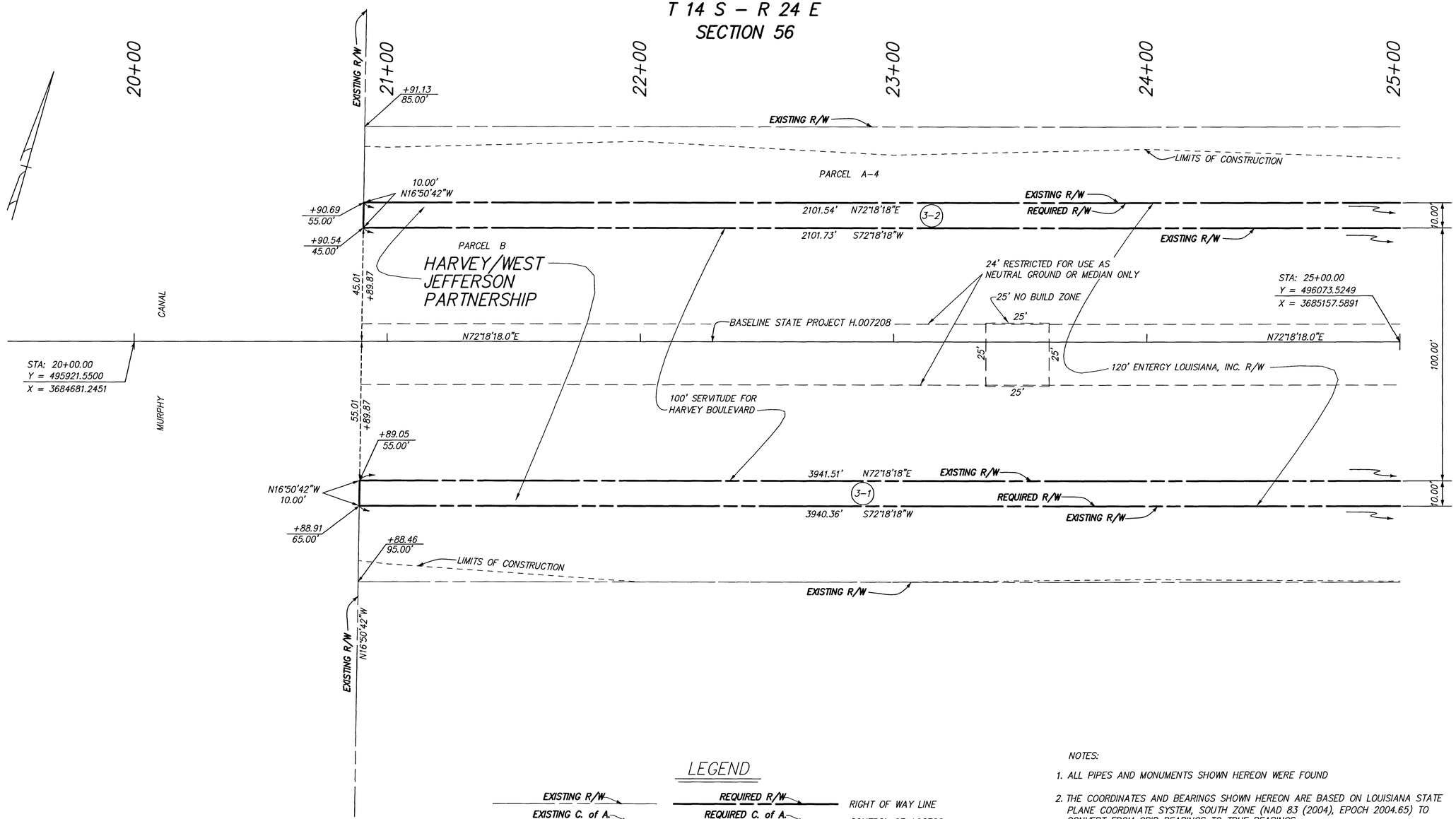
DATE	BY	REVISION DESCRIPTION
3/22/2018	SJB	REVISED PARCELS 1-1, 1-2 & 1-3

11/02/2016 11:37

Final Right-of-Way Map

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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'14.9" (− / + / + / −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992885

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
5-3-2016

* 0.482 ACRES SUBJECT TO 120 FT. ENTERGY ROW
** 0.905 ACRES SUBJECT TO 120 FT. ENTERGY ROW

PARCEL	OWNER	ACQUISITION	AREA
3-2	HARVEY/WEST JEFFERSON PARTNERSHIP	C.O.B. 1627 FOLIO 166 DEC. 22, 1986	0.482 ACRES*
3-1	HARVEY/WEST JEFFERSON PARTNERSHIP	C.O.B. 1627 FOLIO 166 DEC. 22, 1986	0.905 ACRES**

SHEET NUMBER 92

PARISH: JEFFERSON
CONTROL SECTION: 000-26, 826-11
STATE PROJECT: H.007208
COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1" = 20'

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DOTD

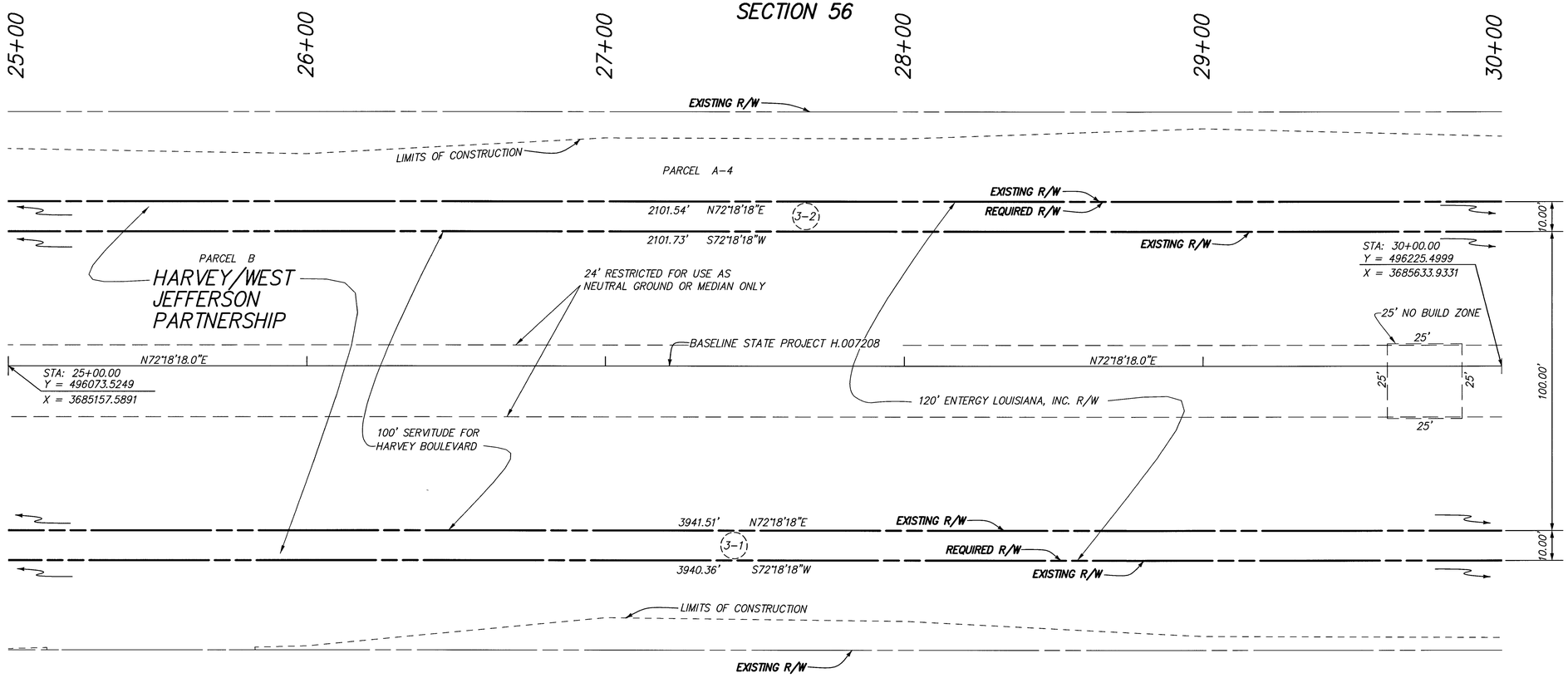
LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

FILE NO. 04-18-1-024 | R/W SHEET NO. 3

Final Right-of-Way Map
05/03/2016 10:14
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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

STATE OF LOUISIANA
J F. RUELLO
License No. 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'17.3"

–	+
+	–

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992883

PARCEL	OWNER	ACQUISITION	AREA

SHEET NUMBER 93

PARISH: JEFFERSON
CONTROL SECTION: 000-26, 826-11
STATE PROJECT: H.007208
COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1"=20'

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

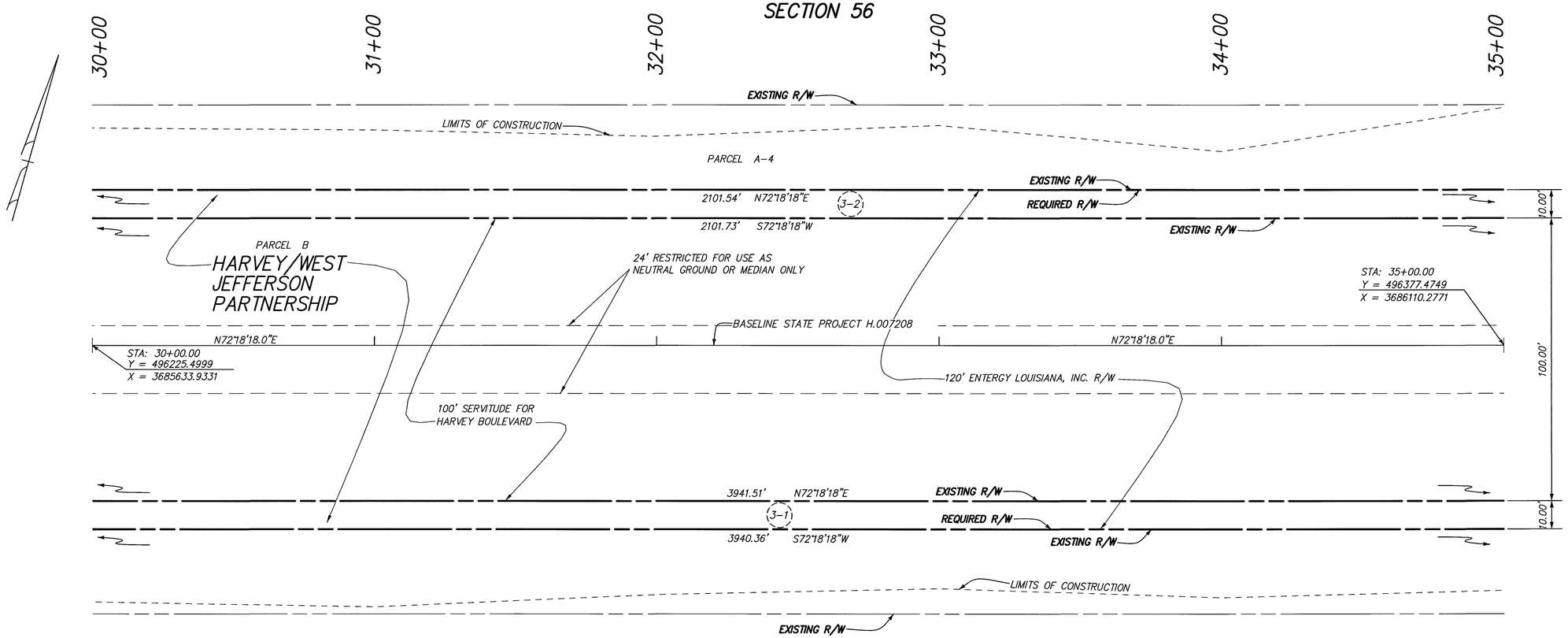
LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

FILE NO. 04-18-1-024
R/W SHEET NO. 4

Final Right-of-Way Map
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05/03/2016 10:06

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed PROFESSIONAL LAND SURVEYOR

J.F. Ruello
PROFESSIONAL LAND SURVEYOR
DATE: 5–3–2016

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'20.0"
   − | +
   + | −

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992882

PARCEL	OWNER	ACQUISITION	AREA

FILE NO. 04–18–1–024 | R/W SHEET NO. 5

SHEET NUMBER 94

PARISH: JEFFERSON
CONTROL SECTION: 000–26, 826–11
STATE PROJECT: H.007208

COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1"=20'

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD–MANHATTAN)
JEFFERSON PARISH

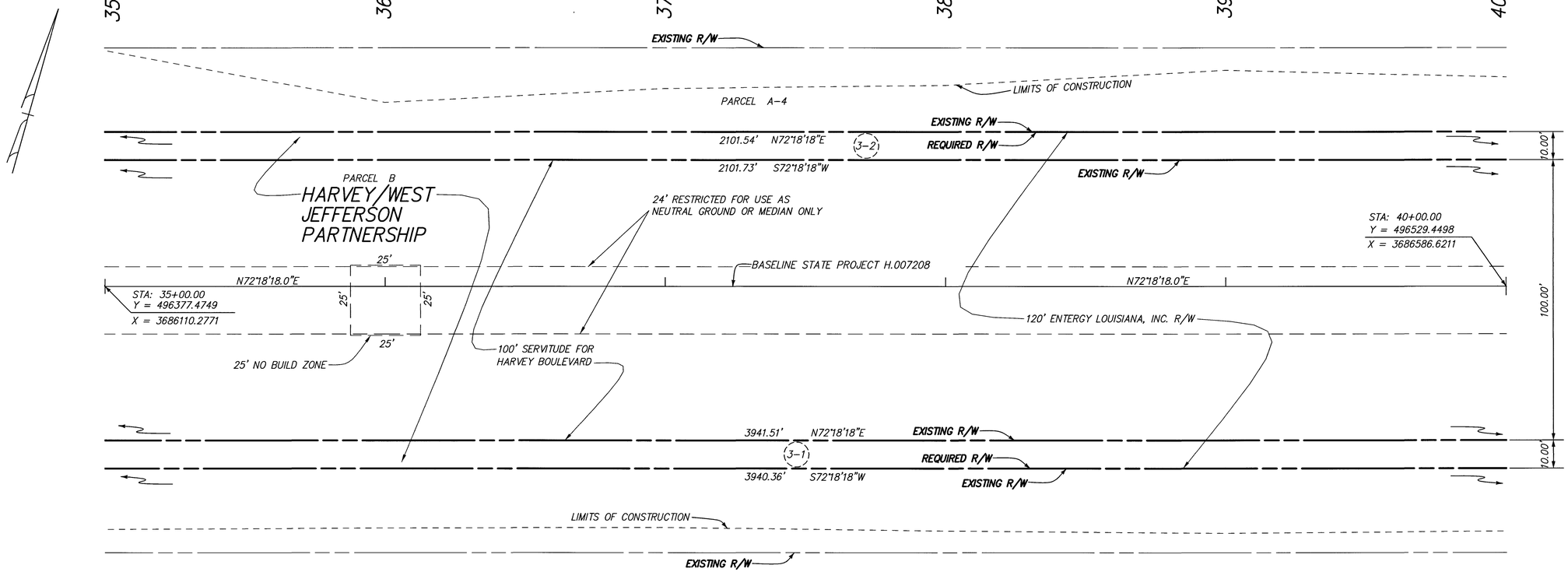
DOTD DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

Final Right-of-Way Map
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05/03/2016 09:56

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W / REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A. / REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A. / REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
	LIMITS OF CONSTRUCTION
	LOT LINE
	APPARENT PROPERTY LINE
	EXISTING SERVITUDE LINE
	SECTION LINE

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'22.9" (− / + / + / −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992880

PARCEL	OWNER	ACQUISITION	AREA

SHEET NUMBER 95

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

COMPUTED SJB
CHECKED JFR
DETAILED
CHECKED
DATE 04/27/16
SCALE 1" = 20'

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

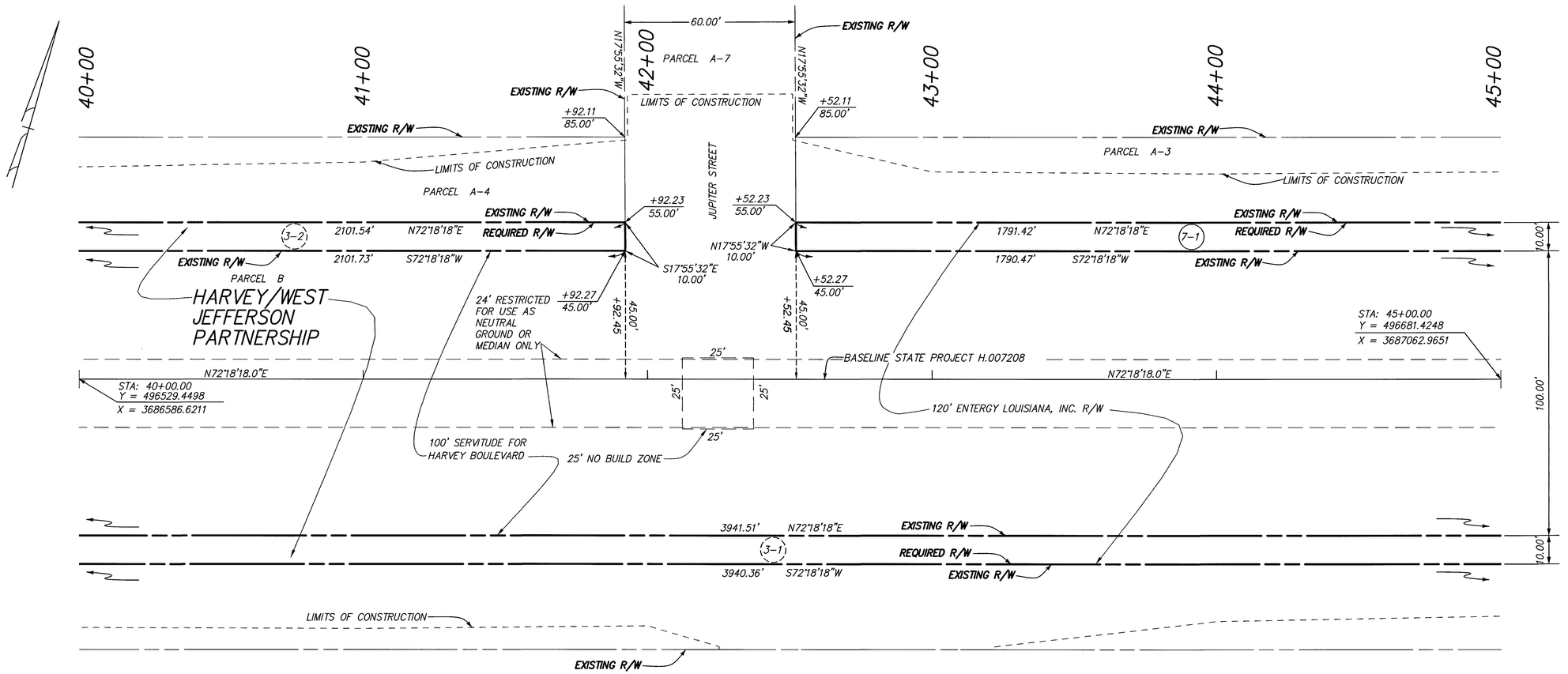
FILE NO. 04-18-1-024
R/W SHEET NO. 6

Final Right-of-Way Map

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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

STATE OF LOUISIANA
J F. RUELLO
License No 4508
Licensed PROFESSIONAL LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5–3–2016

* 0.411 ACRES SUBJECT TO 120 FT. ENTERGY ROW

PARCEL	OWNER	ACQUISITION	AREA
7–1	HARVEY/WEST JEFFERSON PARTNERSHIP	C.O.B. 1627 FOLIO 166 DEC. 22, 1986	0.411 ACRES*

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'17.3"

–	+
+	–

BASE STATION:

COVINGTON CORS ARP
LAT=N30°28'33.26972"
LONG=W090°05'43.92269"
Y=720,676.13
X=3,670,759.09

HAMMOND CORS ARP
LAT=N30°30'47.05150"
LONG=W090°28'03.42841"
Y=733,115.66
X=3,553,447.23

ENGLISH TURN 5 CORS ARP
LAT=N29°52'44.24601"
LONG=W089°56'30.19707"
Y=504,152.13
X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992878

SHEET NUMBER 96

PARISH: JEFFERSON
CONTROL SECTION: 000–26, 826–11
STATE PROJECT: H.007208
COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1"= 20'

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD

LANDMARK SURVEYING INC.

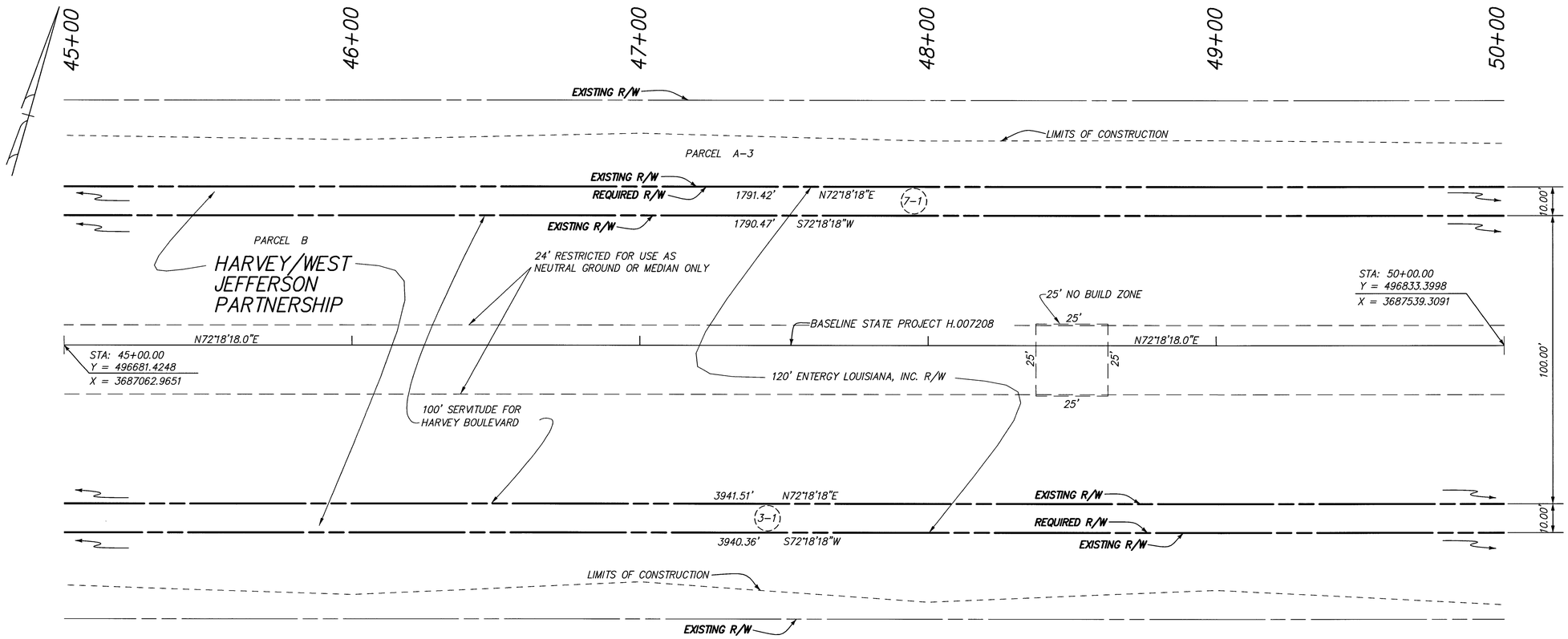
REVISION DESCRIPTION | BY | DATE

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD–MANHATTAN)
JEFFERSON PARISH

FILE NO. 04–18–1–024 | R/W SHEET NO. 7

Final Right-of-Way Map
05/03/2016 09:40
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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'28.4"

–	+
+	–

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992877

PARCEL	OWNER	ACQUISITION	AREA

FILE NO. 04-18-1-024 | R/W SHEET NO. 8

SHEET NUMBER 97

PARISH: JEFFERSON
CONTROL SECTION: 000-26, 826-11
STATE PROJECT: H.007208
COMPUTED: SJB
CHECKED: JFR
DETAILED
CHECKED
DATE: 04/27/16
SCALE: 1"=20'

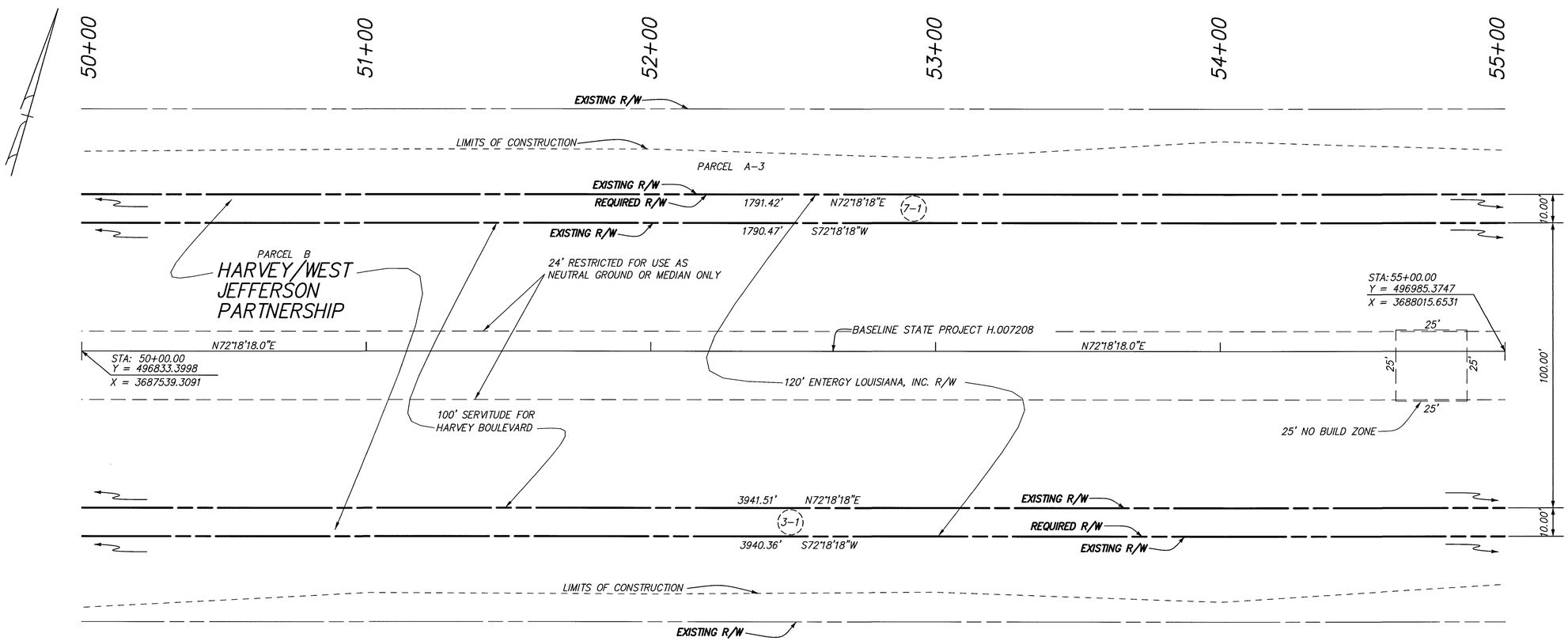
RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

09:31
05/03/2016
Final Right-of-Way Map
C:\Users\Stanley\Desktop\HARVEY BOULEVARD 2000 04-27-16.dwg

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W — REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A. — REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A. — REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
	LIMITS OF CONSTRUCTION
	LOT LINE
	APPARENT PROPERTY LINE
	EXISTING SERVITUDE LINE
	SECTION LINE

STATE OF LOUISIANA
J F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

J.F. Ruello
PROFESSIONAL LAND SURVEYOR
DATE: 5–3–2016

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'30.9"

–	+
+	–

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992875

PARCEL	OWNER	ACQUISITION	AREA

FILE NO. 04–18–1–024 | R/W SHEET NO. 9

SHEET NUMBER 98

PARISH: JEFFERSON
CONTROL SECTION: 000–26, 826–11
STATE PROJECT: H.007208

COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1" = 20'

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD–MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

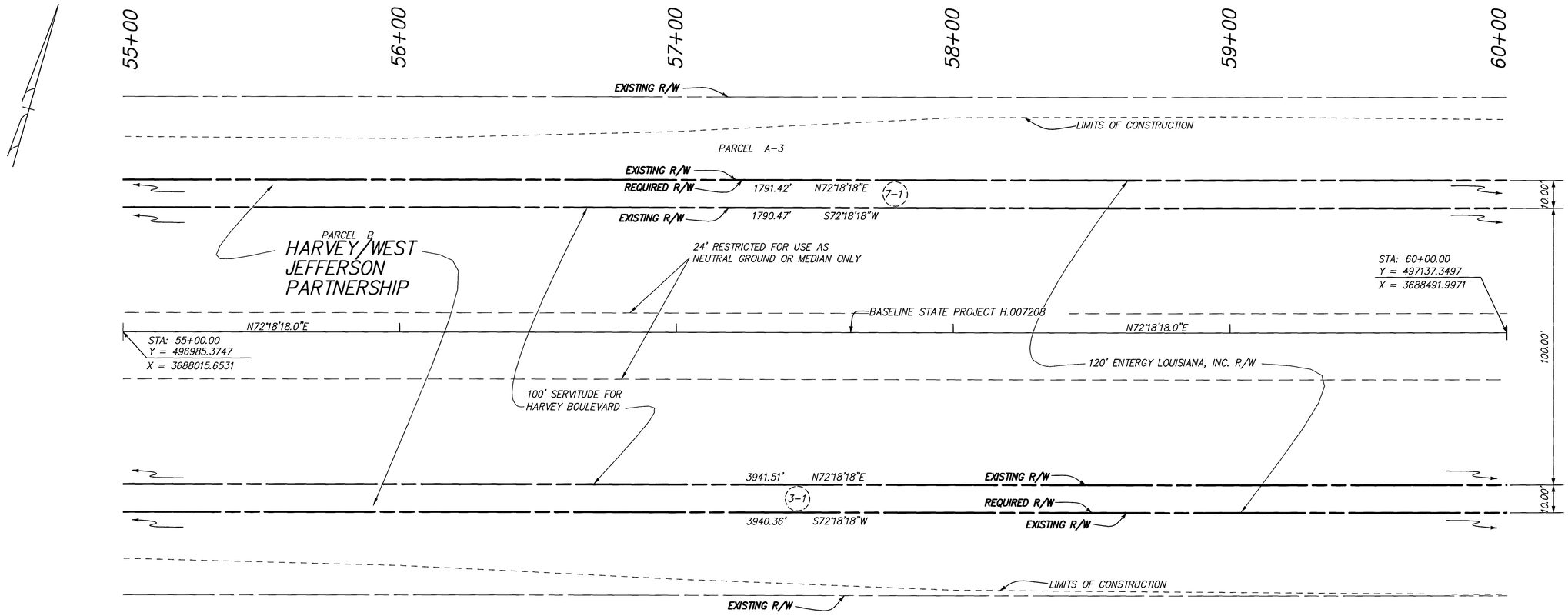
DATE	REVISION DESCRIPTION	BY

05/03/2016 09:21

Final Right-of-Way Map

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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed PROFESSIONAL LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'33.7" (− | +; + | −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992873

PARCEL	OWNER	ACQUISITION	AREA

SHEET NUMBER 99

PARISH: JEFFERSON
CONTROL SECTION: 000-26, 826-11
STATE PROJECT: H.007208
COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1"=20'

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

FILE NO. 04-18-1-024 | R/W SHEET NO. 10

Final Right-of-Way Map

08/18/2016 07:29

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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS USE: 00°38'33.7" (− | +; + | −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992872

P.T. STA: 151+94.68
Y=497344.8572
X=3688545.1164

S17°55'23.5"E

LIMITS OF CONSTRUCTION

EXISTING R/W

61+00

60+00

+33.93
85.00'

151+00

℄ CURVE DATA

P.I. STATION 150+97.91
Y=497252.6411
X=3688574.9426
Δ = 07°38'53.5" LT.
D= 03°57'05.5"
T= 96.92
L= 193.55'
R= 1450.00'

62+00

℄ PI

SEE INSET "A"

11-3-D-1

+60.38
65.36'

REQUIRED DRAINAGE SERVITUDE

+79.57
65.36'

+60.94
61.36'

+86.15
61.36'

+61.77
55.36'

+63.10
45.36'

1791.42'
N72°18'18"E

+43.65
55.00'

R=1385.00'
ARC=10.04'
CH=10.04'
CHB=S12°28'47"E

(7-1)

1790.47'
S72°18'18"W

+42.74
45.00'

63+00

LOT CC-2A

WAL-MART REAL ESTATE BUSINESS TRUST

REQUIRED R/W

11-3

EXISTING R/W

775.95'
776.51'
777.50'
N85°06'53"E
N85°06'53"E
S85°06'53"W

11-2

64+00

65+00

REQUIRED DRAINAGE SERVITUDE

+43.33
82.55'

N72°18'50"E
30.05'

+72.63
89.21'

+43.33
61.36'

N44°53'28"W
21.19'

11-3-D-2

35.63'
S85°06'53"W

S17°41'42"E
28.56'

+78.97
61.36'

LIMITS OF CONSTRUCTION

6.00'

10.00'

INSET "A"
N.T.S.

11-3-D-1

N12°56'21"W
4.04'

N85°06'53"E
19.19'

25.20'S85°06'53"W

S63°34'49"E
7.70'

R=1515.00'
ARC=6.06'
CH=6.06'
CHB=N12°44'54"W

R=1515.00'
ARC=10.09'
CH=10.09'
CHB=N12°26'35"W

STA: 60+00.00
Y = 497137.3497
X = 3688491.9971

Y=497168.6555
X=3688590.1208

P.I. STA. 61+03.00
Δ = 12°48'35.0" RT.

BASELINE
STATE PROJECT H.007208

N72°18'18.0"E

P.C. STA. 150+01.13
Y=497157.2758
X=3688592.2307

150+00

PARCEL B
HARVEY/WEST JEFFERSON PARTNERSHIP

55.46'
+37.73

61+03.00 HARVEY BLVD.=
150+12.70 MANHATTAN BLVD.

120' ENTERGY LOUISIANA, INC. R/W

N85°06'53.0"E

24' RESTRICTED FOR USE AS NEUTRAL GROUND OR MEDIAN ONLY

100' R/W DEDICATED TO PARISH OF JEFFERSON FOR HARVEY BLVD.

54.88'
+68.28

N10°17'01"W
10.04'

+73.45
54.64'

+74.39
64.64'

+77.23
94.64'

HARVEY BOULEVARD

MANHATTAN BOULEVARD

N10°16'30.5"W

BASELINE STATE PROJECT H.007208

STA: 65+00.00
Y = 497202.4644
X = 3688985.6786

DORVIN LAND CORP.
PARCEL BB

100.00'

EXISTING R/W
REQUIRED R/W
EXISTING R/W

1032.08' N85°06'53"E
763.89' S85°06'53"W

11-1

LIMITS OF CONSTRUCTION

EXISTING R/W

10.00'

N72°18'18"E
3941.51'

+30.57
55.00'

(3-1)

S10°16'39"E
10.08'

3940.36'
S72°18'18"W

+29.26
65.00'

+25.36
95.00'

149+00

EXISTING R/W

LIMITS OF CONSTRUCTION

148+00

Y=496959.3702
X=3688628.1076

EXISTING R/W

STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

LOT AA-2A

LOT AA-4C

* 0.178 ACRES SUBJECT TO 120 FT. ENTERGY ROW
** 0.237 ACRES SUBJECT TO 120 FT. ENTERGY ROW

PARCEL	OWNER	ACQUISITION	AREA
11-3-D-4	WAL-MART REAL ESTATE BUSINESS TRUST	C.O.B. 3169 FOLIO 362 MAY 7, 2007	0.019 ACRES
11-3-D-3	WAL-MART REAL ESTATE BUSINESS TRUST	C.O.B. 3169 FOLIO 362 MAY 7, 2007	0.002 ACRES
11-3-D-2	WAL-MART REAL ESTATE BUSINESS TRUST	C.O.B. 3169 FOLIO 362 MAY 7, 2007	0.019 ACRES
11-3-D-1	WAL-MART REAL ESTATE BUSINESS TRUST	C.O.B. 3169 FOLIO 362 MAY 7, 2007	0.002 ACRES
11-3	WAL-MART REAL ESTATE BUSINESS TRUST	C.O.B. 3169 FOLIO 362 MAY 7, 2007	0.107 ACRES
11-2	DORVIN LAND CORP.	C.O.B. 998 FOLIO 523 FEB. 13, 1981	0.178 ACRES*
11-1	DORVIN LAND CORP.	C.O.B. 998 FOLIO 523 FEB. 13, 1981 C.O.B. 1002 FOLIO 757 APRIL 30, 1981	0.324 ACRES**

LEGEND

- EXISTING R/W
- EXISTING C. of A.
- EXIST R/W & EXIST C. of A.
- REQUIRED R/W — RIGHT OF WAY LINE
- REQUIRED C. of A. — CONTROL OF ACCESS
- REQ'D R/W & REQ'D C. of A. — RIGHT OF WAY & CONTROL OF ACCESS
- LIMITS OF CONSTRUCTION
- LOT LINE
- APPARENT PROPERTY LINE
- EXISTING SERVITUDE LINE
- SECTION LINE

FILE NO. 04-18-1-024 | R/W SHEET NO. 11

SHEET NUMBER 100

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

COMPUTED SJB
CHECKED JFR
DETAILED
CHECKED
DATE 04/27/16
SCALE 1" = 20'

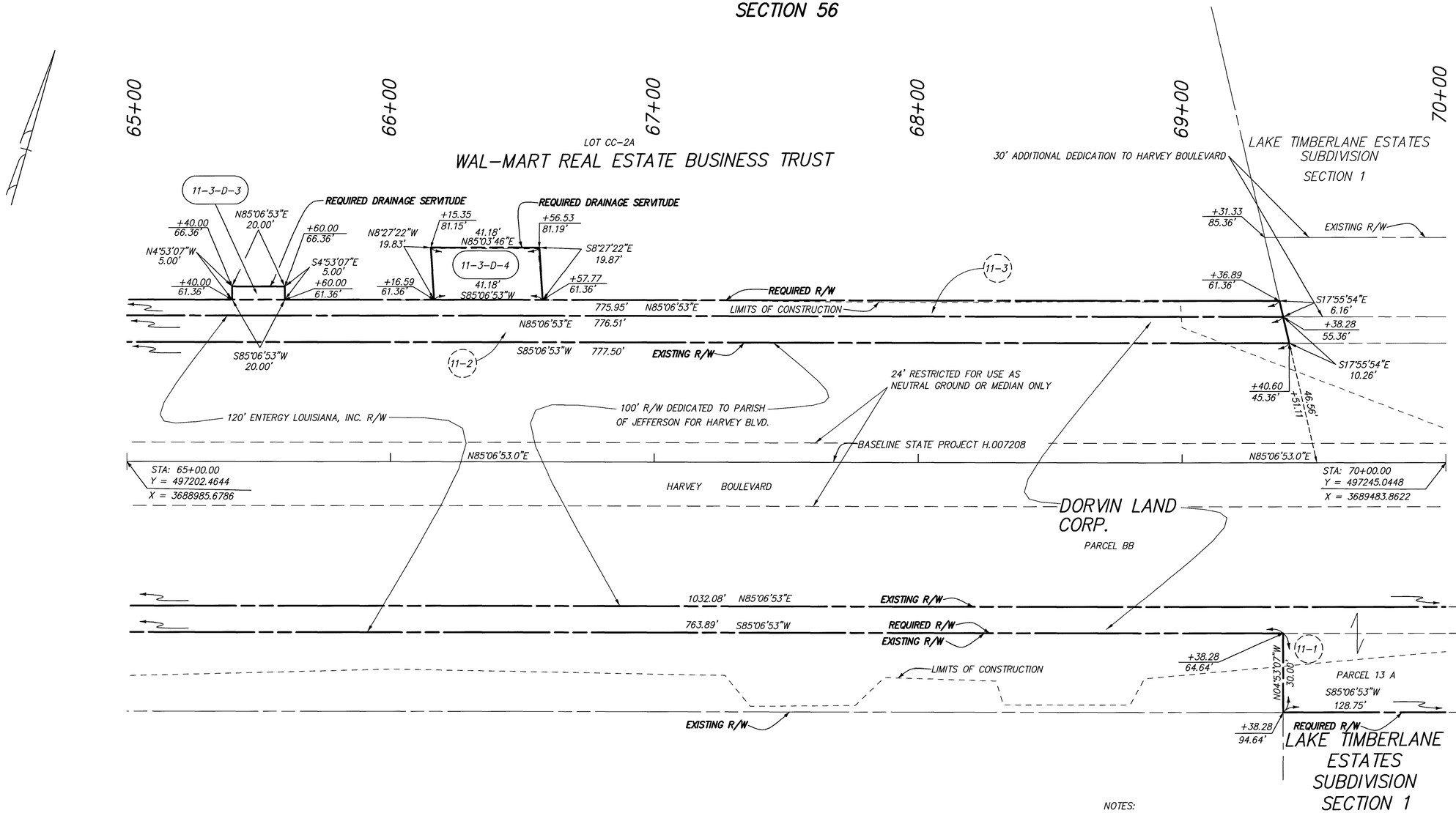
RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

DATE	REVISION DESCRIPTION	BY

05/03/2016 09:02
Final Right-of-Way Map
C:\Users\Stanley\Desktop\HARVEY BOULEVARD 2000 04-27-16.dwg

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W / REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A. / REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A. / REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
	LIMITS OF CONSTRUCTION
	LOT LINE
	APPARENT PROPERTY LINE
	EXISTING SERVITUDE LINE
	SECTION LINE

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'33.7" (− + / + −)

   BASE STATION:

   COVINGTON CORS ARP
   LAT=N30°28'33.26972"
   LONG=W090°05'43.92269"
   Y=720,676.13
   X=3,670,759.09

   HAMMOND CORS ARP
   LAT=N30°30'47.05150"
   LONG=W090°28'03.42841"
   Y=733,115.66
   X=3,553,447.23

   ENGLISH TURN 5 CORS ARP
   LAT=N29°52'44.24601"
   LONG=W089°56'30.19707"
   Y=504,152.13
   X=3,721,846.63
3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992871

STATE OF LOUISIANA
J F. RUELLO
License No 4508
Licensed PROFESSIONAL LAND SURVEYOR
J. F. Ruello
PROFESSIONAL LAND SURVEYOR
DATE: 5–3–2016

PARCEL	OWNER	ACQUISITION	AREA

FILE NO. 04–18–1–024 | R/W SHEET NO. 12

SHEET NUMBER 101

PARISH: JEFFERSON
CONTROL SECTION: 000–26, 826–11
STATE PROJECT: H.007208
COMPUTED: SJB
CHECKED: JFR
DETAILED:
CHECKED:
DATE: 04/27/16
SCALE: 1"=20'

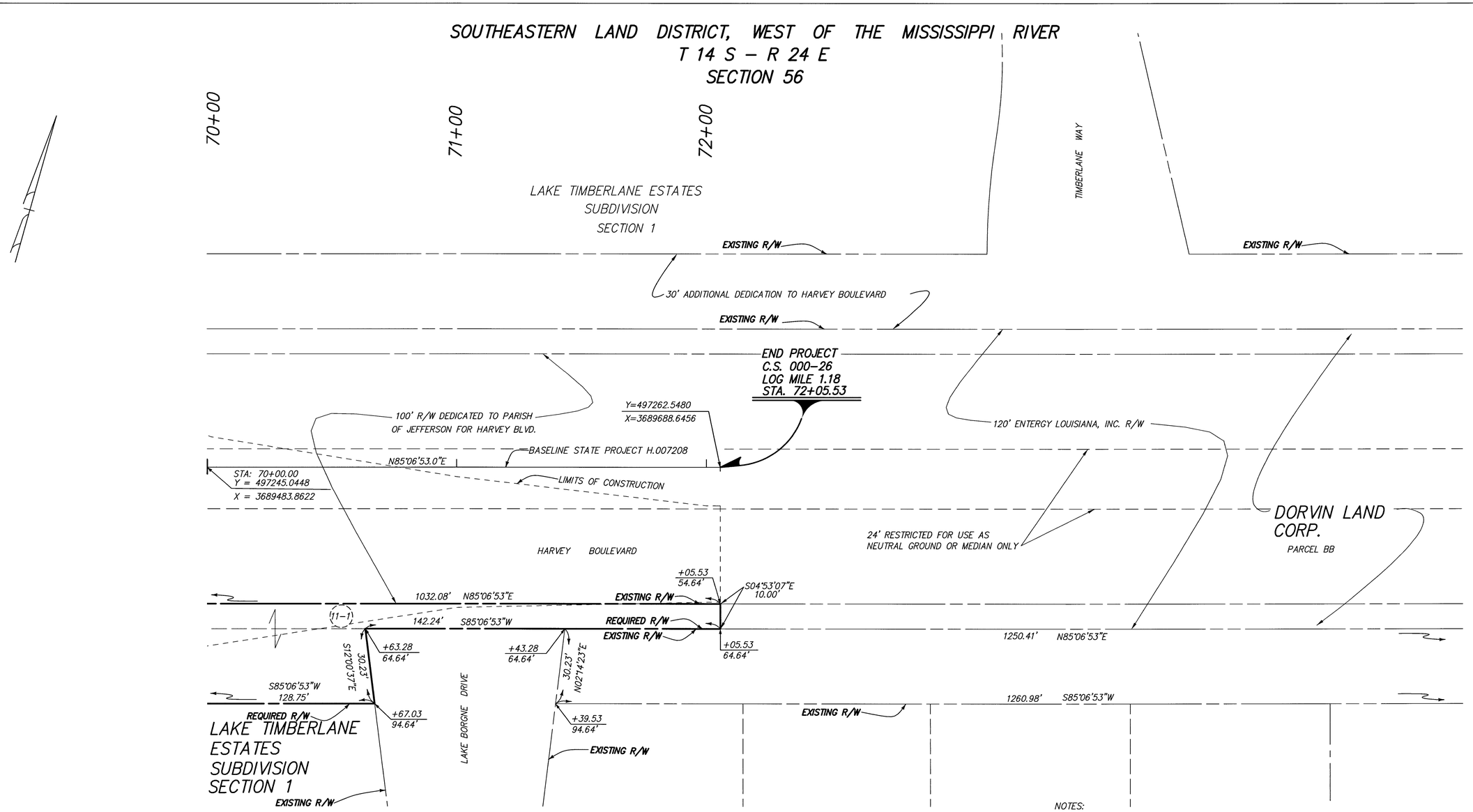
RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD–MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

Final Right-of-Way Map
05/03/2016 08:52
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SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'33.7" (− | + / + | −)

   BASE STATION:

   COVINGTON CORS ARP
   LAT=N30°28'33.26972"
   LONG=W090°05'43.92269"
   Y=720,676.13
   X=3,670,759.09

   HAMMOND CORS ARP
   LAT=N30°30'47.05150"
   LONG=W090°28'03.42841"
   Y=733,115.66
   X=3,553,447.23

   ENGLISH TURN 5 CORS ARP
   LAT=N29°52'44.24601"
   LONG=W089°56'30.19707"
   Y=504,152.13
   X=3,721,846.63
3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992871

STATE OF LOUISIANA
J F. RUELLO
License No 4508
Licensed PROFESSIONAL LAND SURVEYOR
PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

PARCEL	OWNER	ACQUISITION	AREA

FILE NO. 04-18-1-024 | R/W SHEET NO. 13

SHEET NUMBER 102

	PARISH	JEFFERSON	
	CONTROL SECTION	000-26, 826-11	
	STATE PROJECT	H.007208	
COMPUTED SJB CHECKED JFR	DETAILED CHECKED	DATE	04/27/16
		SCALE	1" = 20'

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

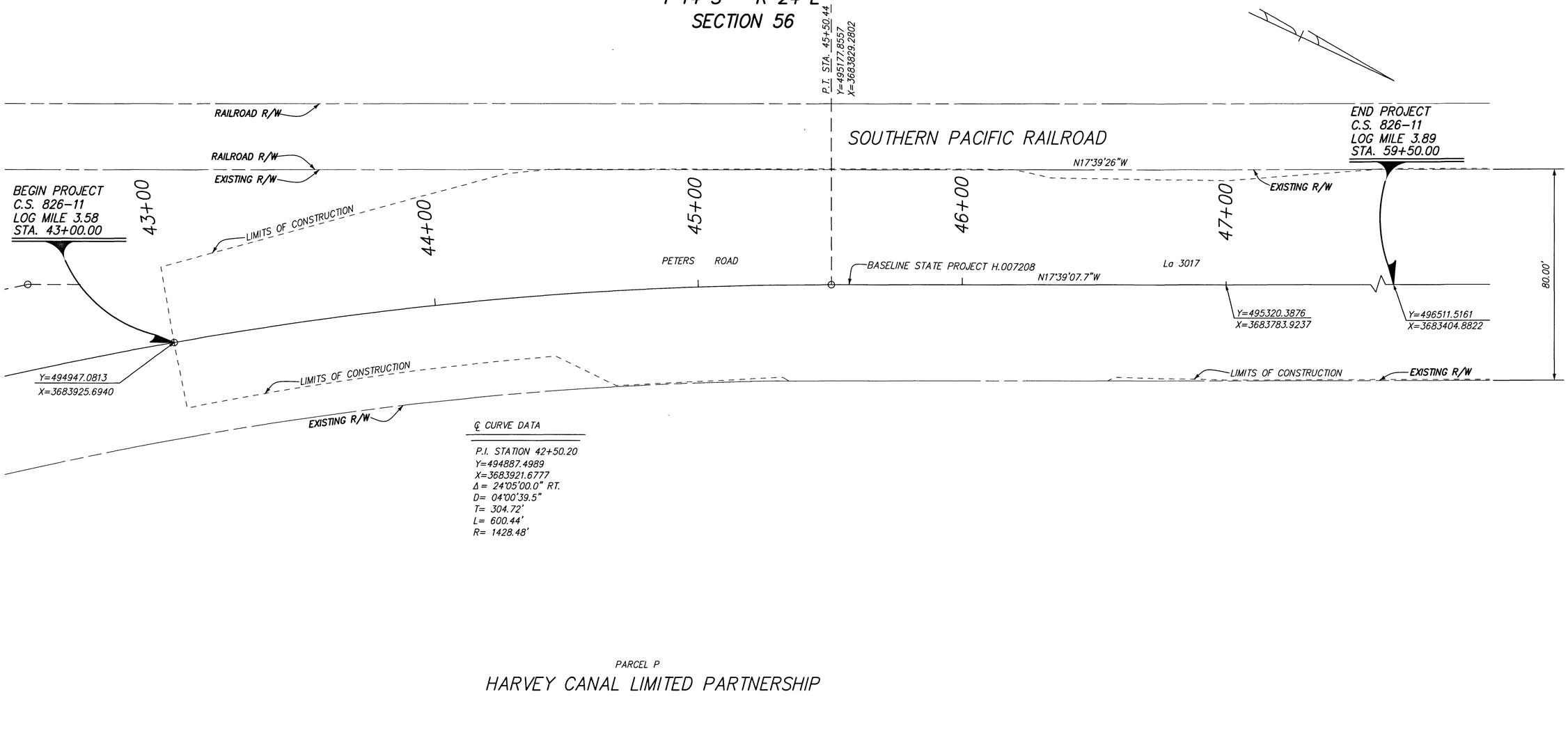
RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE

Final Right-of-Way Map
S:\Land Projects 2017\17-0282 Right of Way Plans_Oconnor\dwg\V2000 HARVEY BOULEVARD 04-27-16.dwg 11/21/2018 07:01

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



℄ CURVE DATA

P.I. STATION 42+50.20
Y=494887.4989
X=3683921.6777
Δ = 24°05'00.0" RT.
D= 04°00'39.5"
T= 304.72'
L= 600.44'
R= 1428.48'

PARCEL P

HARVEY CANAL LIMITED PARTNERSHIP

J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR
STATE OF LOUISIANA

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'08.4" (− | + / + | −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992894

PARCEL	OWNER	ACQUISITION	AREA
14-1			DELETED

SHEET NUMBER 103

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

COMPUTED SJB
CHECKED JFR
DETAILED
CHECKED
DATE 04/27/16
SCALE 1"=20'

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

LANDMARK SURVEYING INC.

BY	REVISION DESCRIPTION	DATE
SJB	DELETED PARCEL 14-1	10-19-18

FILE NO. 04-18-1-024 | R/W SHEET NO. 14

Final Right-of-Way Map
S:\Land Projects 2017\17-0282 Right of Way Plans Oconnor\dwg\V2000 HARVEY BOULEVARD 04-27-16.dwg 10/19/2018 12:37

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56

PARCEL P
HARVEY CANAL LIMITED PARTNERSHIP

ENTERGY LOUISIANA, LLC.
PETERS ROAD
SUBSTATION

NOTES:

1. ALL PIPES AND MONUMENTS SHOWN HEREON WERE FOUND
2. THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83 (2004), EPOCH 2004.65) TO CONVERT FROM GRID BEARINGS TO TRUE BEARINGS
   USE: 00°38'10.3" (− / +, + / −)

BASE STATION:

COVINGTON CORS ARP	HAMMOND CORS ARP	ENGLISH TURN 5 CORS ARP
LAT=N30°28'33.26972"	LAT=N30°30'47.05150"	LAT=N29°52'44.24601"
LONG=W090°05'43.92269"	LONG=W090°28'03.42841"	LONG=W089°56'30.19707"
Y=720,676.13	Y=733,115.66	Y=504,152.13
X=3,670,759.09	X=3,553,447.23	X=3,721,846.63

3. DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES. TO CONVERT DISTANCES DERIVED FROM COORDINATES SHOWN HEREON TO HORIZONTIAL GROUND DISTANCES, USE SCALE FACTOR: 0.99992893

LEGEND

EXISTING R/W	REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A.	REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A.	REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
		LIMITS OF CONSTRUCTION
		LOT LINE
		APPARENT PROPERTY LINE
		EXISTING SERVITUDE LINE
		SECTION LINE

STATE OF LOUISIANA
J F RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

J.F. Ruello
PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

PARCEL	OWNER	ACQUISITION	AREA

SHEET NUMBER 104

COMPUTED SJB	PARISH JEFFERSON		
CHECKED JFR	CONTROL SECTION 000-26, 826-11		
DETAILED	STATE PROJECT H.007208		
CHECKED			
DATE 04/27/16			
SCALE 1"=20'			

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

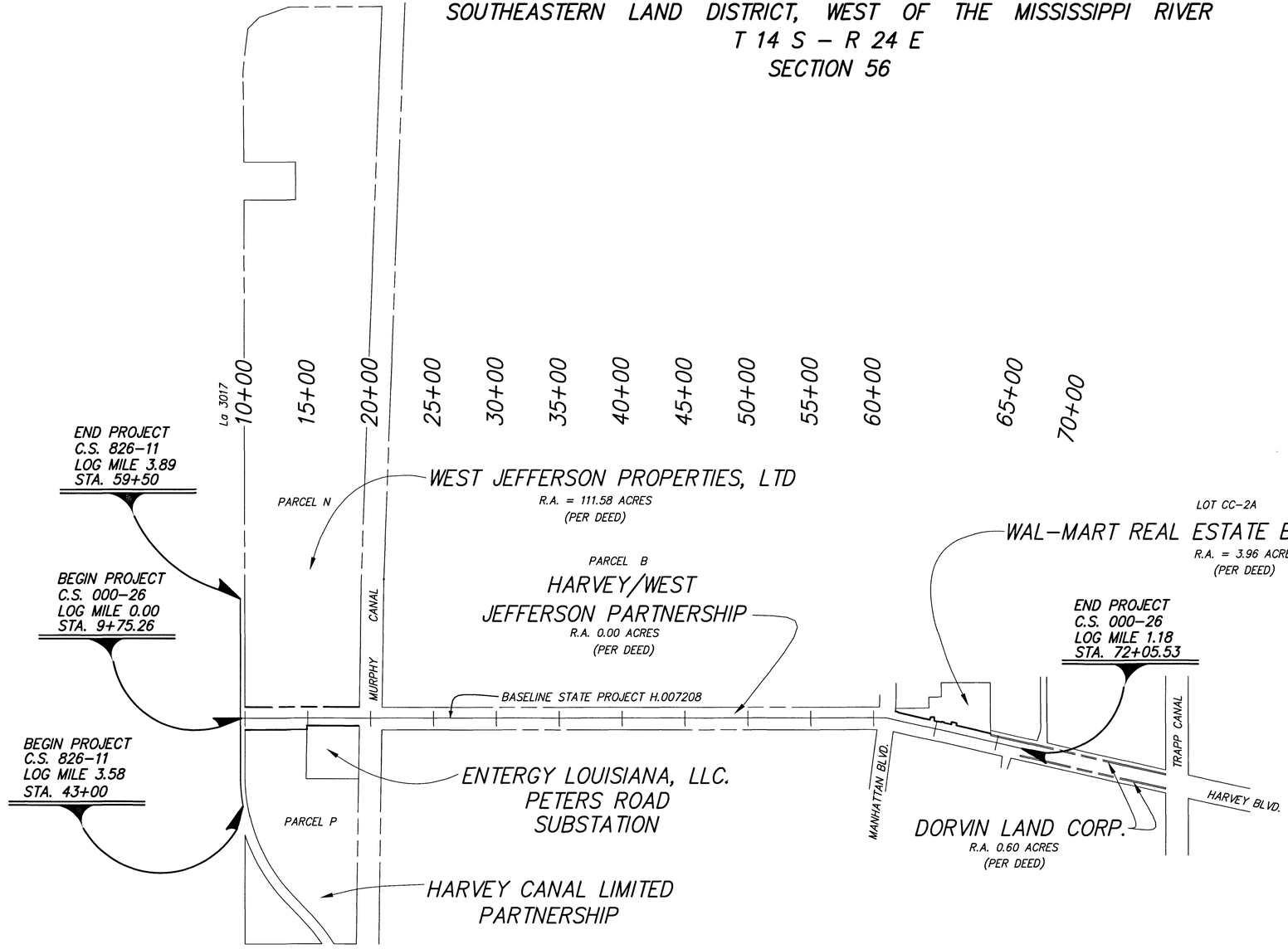
LANDMARK SURVEYING INC.

DATE	REVISION DESCRIPTION	BY
10-19-18	DELETED PARCEL 14-1	SJB

FILE NO. 04-18-1-024 | R/W SHEET NO. 15

Final Right-of-Way Map
S:\Land Projects 2017\17-0282 Right of Way Plans Oconnor\dwg\13-0146 RM 01-22-16-2000.dwg
01/11/2019 13:29

SOUTHEASTERN LAND DISTRICT, WEST OF THE MISSISSIPPI RIVER
T 14 S – R 24 E
SECTION 56



STATE OF LOUISIANA
J.F. RUELLO
License No 4508
Licensed
PROFESSIONAL
LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
DATE: 5-3-2016

LEGEND

EXISTING R/W / REQUIRED R/W	RIGHT OF WAY LINE
EXISTING C. of A. / REQUIRED C. of A.	CONTROL OF ACCESS
EXIST R/W & EXIST C. of A. / REQ'D R/W & REQ'D C. of A.	RIGHT OF WAY & CONTROL OF ACCESS
	LIMITS OF CONSTRUCTION
	LOT LINE
	APPARENT PROPERTY LINE
	EXISTING SERVITUDE LINE
	SECTION LINE

SHEET NUMBER 105

COMPUTED	SJB	PARISH	JEFFERSON
CHECKED	JFR	CONTROL SECTION	000-26, 826-11
DETAILED		STATE PROJECT	H.007208
CHECKED			
DATE	01/22/16		
SCALE	1"=500'		

STATE OF LOUISIANA

RIGHT OF WAY MAP
STATE PROJECT NO. H.007208
HARVEY BLVD EXT
(PETERS RD-MANHATTAN)
JEFFERSON PARISH

DOTD DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

LANDMARK SURVEYING INC.

DATE	REVISION DESCRIPTION	BY
10-19-18	REVISED TO CONFIRM TO SHEETS 1, 2, 14 & 15	SJB

FILE NO. 04-18-1-024 R/W SHEET NO. 16

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	14.5	
GR. & BR. ORG. CL. w/ORG. & GRAV.								C-1	2	12.5	
	97	110			0.55			C-2	4	10.5	
GR. CL. w/PT., GRAV., & SI. LYR.	113	80	111	74	0.30			C-3	6	8.5	
								C-4	8	6.5	▽ 15 MIN.
								C-5	10	4.5	
									12		
									14		
									16		
									18		
									20		
									22		
									24		
									26		
									28		
									30		
									32		
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									40		
									42		
									44		
									46		
									48		
									50		
									52		
									54		
									56		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-1	STA.: 60+00, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'38.48"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°02'49.89"	DATE TAKEN: 11/23/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	14.2	
BR. & BK. CL. w/WD., GRAV., & PT. LYR.								C-1	2	12.2	
BK. & BR. PT. w/GRAV.								C-2	4	10.2	
	83	219			0.16			C-3	6	8.2	▽ 15 MIN.
GR. CL. w/PT. LYR. & SI. SMS.	79	93	284	229	0.08			C-4	8	6.2	
								C-5	10	4.2	
									12		
									14		
									16		
									18		
									20		
									22		
									24		
									26		
									28		
									30		
									32		
									34		
									36		
									38		
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									44		
									46		
									48		
									50		
									52		
									54		
									56		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-2	STA.: 52+20, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'36.21"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°02'58.36"	DATE TAKEN: 11/23/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	14.6	
GR. & BR. ORG. CL. w/PT. & GRAV.	87	141	176	130	0.29			C-1	5	9.6	
GR. & BK. PT. w/ORG. & CL.	80	197			0.12			C-2			▽ 15 MIN.
	78	212			0.10			C-3			
	75	480			0.09			C-4	10	4.6	
GR. & BR. ORG. CL. w/SI. & SA.	91	183	52					C-6	15	-0.4	
								C-7	20	-4.4	
GR. CL. w/SI.	114	59			0.10			C-8	25	-9.4	
								C-9	30	-14.4	
GR. CL. w/SI. SMS. & LYR.	107	65			0.28			C-10	35	-19.4	
								C-11	40	-24.4	
	103	71			0.41			C-12	45	-29.4	
								C-13	50	-34.4	
									55		
									60		
									65		
									70		
									75		
									80		
									85		
									90		
									95		
									100		
									105		
									110		
									115		
									120		
									125		
									130		
									135		
									140		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-3	STA.: 44+40, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'33.95"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°03'06.83"	DATE TAKEN: 11/23/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

STANDARD ABBREVIATIONS & DEFINITIONS

MATERIAL:
CL. = Clay
CONC. = Concretion
GRAV. = Gravel
I.O. = Iron Ore
LIG. = Lignite
N.P. = Non-Plastic
ORG. = Organic
PT. = Peat
RT. = Roots
SA. = Sand
SH. = Shell
SI. = Silt
VEG. = Vegetation
WD. = Wood

COLOR:
BR. = Brown
BK. = Black
BL. = Blue
GR. = Gray
GN. = Green
PK. = Pink
TN. = Tan
WH. = White
YE. = Yellow

TEXTURE:
CO. = Coarse
FI. = Fine
MED. = Medium

STRUCTURE:
ALT. = Alternating
LAM. = Laminated
LEN. = Lens
LYR. = Layer
MOT. = Mottled
PKT. = Pocket
STK. = Streak
STR. = Strata
TR. = Trace
SMS. = Seams

FAILURE MODE:
M.S. = Multiple Shear
SL. = Slump
S/S = Slickensides
V.S. = Vertical Shear
Y.D. = Yield
60'S. = Shear Angle
M.L. = Machine Limit

SOIL PROPERTIES

WET DENSITY = Wet density of in-place soil, (pounds per cu. ft.)
MOISTURE CONTENT = Moisture Content of in-place soil, expressed as a percentage of the dry weight of the soil, (%)
LIQUID LIMIT & PLASTICITY INDEX = Atterberg limits and indices, DOTD TR 428
qu = Unconfined compressive strength, AASHTO T 208, (tons per sq. ft.)
SPT = Standard Penetration Test, AASHTO T206, number of blows, N = , per foot of penetration, unless amount of penetration is shown otherwise
UU = Unconsolidated Undrained triaxial test, AASHTO T296, compressive strength (tons per sq. ft.), of one specimen confined at noted pressure (pounds per sq. in.)
C = Soil cohesion (pounds per sq. ft.)
ϕ = Soil Angle of Internal friction (degrees)
Δ = Unconsolidated Undrained triaxial test, AASHTO T 296, three specimens, (c in tsf, ϕ)
* = Consolidated drained direct shear test, AASHTO T 236, (c in tsf, ϕ)
# = Pocket penetrometer strength, (tons per sq. ft.)

MISCELLANEOUS:

⊗ = Location and identification of thin-walled sample, AASHTO T 207
⊠ = Location and identification of thin-walled tube sample, AASHTO T 207, with a portion of the sample saved for consolidation testing
⊛ = Location and identification of SPT sample, AASHTO T 206
N.C. = Location and identification of SPT sample, AASHTO T 206
NO PENT. = No Penetration, unable to drive split spoon sampler initial 6 inches of the Standard Penetration Test
NO RECV. = No Recovery, unable to recover sample for testing or classification
DIST. = Disturbed sample recovered with thin-walled tube sampler
▽ 24 HRS. = Water Table depth below ground surface recorded at noted time after completion of bore hole
⊗ = SOIL TYPE nomenclature is based on ASTM D 2487
WOH = Weight of SPT Hammer

CORRELATION OF PENETRATION RESISTANCE AND SOIL PROPERTIES

SOIL	DESIGNATION		"N" (blows per ft.)	Approximate "qu" (tons per sq. ft.)
SAND AND SILT	RELATIVE DENSITY	VERY LOOSE	LESS THAN 4	
		LOOSE	4 – 10	
		MEDIUM	10 – 30	
		DENSE	30 – 50	
		VERY DENSE	OVER 50	
CLAY	CONSISTENCY	VERY SOFT	LESS THAN 2	LESS THAN 0.25
		SOFT	2 – 4	0.25 – 0.50
		MEDIUM	4 – 8	0.50 – 1.00
		STIFF	8 – 15	1.00 – 2.00
		VERY STIFF	15 – 30	2.00 – 4.00
		HARD	OVER 30	OVER 4.00

Borings performed by Ardaman & Associates, Inc.

STATE OF LOUISIANA
CHAD M. POCHE
License No. 27057
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

THIS SIGNATURE AND SEAL IS AFFIXED TO THIS DRAWING AS CERTIFICATION THAT THE LABORATORY TESTING AND ANALYSIS WAS PERFORMED ACCORDING TO THE LISTED PROCEDURES. NO DESIGN COMPUTATIONS WERE PERFORMED OR REVIEWED BY ME.

SHEET NUMBER 106
PARISH: JEFFERSON PARISH
FEDERAL PROJECT: 2604(515)
STATE PROJECT: 742-26-0073
DESIGNED
DETAILED: DMS
CHECKED: CP
DATE SHEET: MARCH, 2011
NO. | DATE | REVISION DESCRIPTION | BY

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

HARVEY BOULEVARD EXTENSION
(PETERS RD. TO MANHATTAN BLVD.)
JEFFERSON PARISH

LOG OF SOIL BORING

PAVEMENT & GEOTECHNICAL SERVICES SECTION

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	14.6	
GR. CL. w/GRAV. & ORG.								C-1	2	12.6	
	86	37	105	50	0.65			C-2	4	10.6	
	97	62			0.59			C-3	6	8.6	▽ 15 MIN.
GR. ORG. CL. w/ORG. & SI. LYR.								C-4	8	6.6	
								C-5	10	4.6	
									12		
									14		
									16		
									18		
									20		
									22		
									24		
									26		
									28		
									30		
									32		
									34		
									36		
									38		
									40		
									42		
									44		
									46		
									48		
									50		
									52		
									54		
									56		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-4	STA.: 36+60, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'31.68".	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°03'15.30"	DATE TAKEN: 11/23/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	13.6	
GR. CL. w/ORG. & GRAV.								C-1	2	11.6	
								C-2	4	9.6	
GR. ORG. CL. w/ORG. & GRAV.	76	105	177	132	0.20			C-3	6	7.6	
GR. & BK. PT. w/ORG. & WD.	64	393			0.13			C-4	8	5.6	▽ 15 MIN.
								C-5	10	3.6	
									12		
									14		
									16		
									18		
									20		
									22		
									24		
									26		
									28		
									30		
									32		
									34		
									36		
									38		
									40		
									42		
									44		
									46		
									48		
									50		
									52		
									54		
									56		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-5	STA.: 28+80, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'29.42"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°03'23.77"	DATE TAKEN: 11/23/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	14.4	
GR. & BR. CL. w/WD. & ORG.	100	56			0.95			C-L	5	9.4	
GR. ORG. CL. w/WD. & ORG.	76	145	267	214	0.36			C-L			▽ 15 MIN.
BK. & BR. PT. w/CL. LYR. & WD.	72	352			0.12			C-5	10	4.4	
								C-6	15	-0.6	
GR. CL. w/SA. LYR. & ORG.	109	46	50	28	0.10			C-7	20	-5.6	
								C-8	25	-10.6	
	112	56			0.14			C-9	30	-15.6	
GR. CL. w/SA. LYR., WD., & ORG.								C-10	35	-20.6	
	101	74			0.25			C-11	40	-25.6	
								C-12	45	-30.6	
	103	69	94	63	0.39			C-13	50	-35.6	
GR. CL. w/SI. SMS. & SH.								C-14	55	-40.6	
	101	61			0.55			C-15	60	-45.6	
GR. SA. w/SI. TR.						N=66		D-16	65	-50.6	
		23				N=50		D-17	70	-55.6	
						N=50		D-18	75	-60.6	
GR. SA. w/SI. SMS. & TR.		25				N=23		D-19	80	-65.6	
									85		
									90		
									95		
									100		
									105		
									110		
									115		
									120		
									125		
									130		
									135		
									140		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-6	STA.: 21+00, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'27.15"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°03'32.24"	DATE TAKEN: 11/23/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

STANDARD ABBREVIATIONS & DEFINITIONS

MATERIAL:
CL. = Clay
CONC. = Concretion
GRAV. = Gravel
I.O. = Iron Ore
LIG. = Lignite
N.P. = Non-Plastic
ORG. = Organic
PT. = Peat
RT. = Roots
SA. = Sand
SH. = Shell
SI. = Silt
VEG. = Vegetation
WD. = Wood

COLOR:
BR. = Brown
BK. = Black
BL. = Blue
GR. = Gray
GN. = Green
PK. = Pink
TN. = Tan
WH. = White
YE. = Yellow

TEXTURE:
CO. = Coarse
FI. = Fine
MED. = Medium

STRUCTURE:
ALT. = Alternating
LAM. = Laminated
LEN. = Lens
LYR. = Layer
MOT. = Mottled
PKT. = Pocket
STK. = Streak
STR. = Strata
TR. = Trace
SMS. = Seams

FAILURE MODE:
M.S. = Multiple Shear
SL. = Slump
S/S = Slickensides
V.S. = Vertical Shear
YLD. = Yield
60°S. = Shear Angle
M.L. = Machine Limit

SOIL PROPERTIES

WET DENSITY = Wet density of in-place soil, (pounds per cu. ft.)
MOISTURE CONTENT = Moisture Content of in-place soil, expressed as a percentage of the dry weight of the soil, (%)
LIQUID LIMIT & PLASTICITY INDEX = Atterberg limits and indices, DOTD TR 428
qu = Unconfined compressive strength, AASHTO T 208, (tons per sq. ft.)
SPT = Standard Penetration Test, AASHTO T206, number of blows, N = , per foot of penetration, unless amount of penetration is shown otherwise
UU = Unconsolidated Undrained triaxial test, AASHTO T296, compressive strength (tons per sq. ft.), of one specimen confined at noted pressure (pounds per sq. in.)
C = Soil cohesion (pounds per sq. ft.)
ϕ = Soil Angle of Internal friction (degrees)
Δ = Unconsolidated Undrained triaxial test, AASHTO T 296, three specimens, (c in tsf, ϕ)
* = Consolidated drained direct shear test, AASHTO T 236, (c in tsf, ϕ)
# = Pocket penetrometer strength, (tons per sq. ft.)

MISCELLANEOUS:

⊗ = Location and identification of thin-walled sample, AASHTO T 207
C-3 = Location and identification of thin-walled tube sample, AASHTO T 207, with a portion of the sample saved for consolidation testing
D-3 = Location and identification of SPT sample, AASHTO T 206
N.C. = Location and identification of SPT sample, AASHTO T 206
NO PENT. = No Penetration, unable to drive split spoon sampler initial 6 inches of the Standard Penetration Test
NO RECV. = No Recovery, unable to recover sample for testing or classification
DIST. = Disturbed sample recovered with thin-walled tube sampler
▽ 24 HRS. = Water Table depth below ground surface recorded at noted time after completion of bore hole
⊗ = SOIL TYPE nomenclature is based on ASTM D 2487
WOH = Weight of SPT Hammer

CORRELATION OF PENETRATION RESISTANCE AND SOIL PROPERTIES

SOIL	DESIGNATION		"N" (blows per ft.)	Approximate "qu" (tons per sq. ft.)
SAND AND SILT	RELATIVE DENSITY	VERY LOOSE	LESS THAN 4	
		LOOSE	4 – 10	
		MEDIUM	10 – 30	
		DENSE	30 – 50	
		VERY DENSE	OVER 50	
CLAY	CONSISTENCY	VERY SOFT	LESS THAN 2	LESS THAN 0.25
		SOFT	2 – 4	0.25 – 0.50
		MEDIUM	4 – 8	0.50 – 1.00
		STIFF	8 – 15	1.00 – 2.00
		VERY STIFF	15 – 30	2.00 – 4.00
		HARD	OVER 30	OVER 4.00

Borings performed by Ardaman & Associates, Inc.

STATE OF LOUISIANA
CHAD M. POCHE
License No. 27587
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

THIS SIGNATURE AND SEAL IS AFFIXED TO THIS DRAWING AS CERTIFICATION THAT THE LABORATORY TESTING AND ANALYSIS WAS PERFORMED ACCORDING TO THE LISTED PROCEDURES. NO DESIGN COMPUTATIONS WERE PERFORMED OR REVIEWED BY ME.

SHEET NUMBER 107
PARISH JEFFERSON PARISH
FEDERAL PROJECT 2604(515)
STATE PROJECT 742-26-0073
DESIGNED
CHECKED
DETAILED DMS
CHECKED CP
DATE SHEET MARCH, 2011
BY
NO. DATE REVISION DESCRIPTION

HARVEY BOULEVARD EXTENSION
(PETERS RD. TO MANHATTAN BLVD.)
JEFFERSON PARISH

LOG OF SOIL BORING

PAVEMENT & GEOTECHNICAL SERVICES SECTION

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	13.8	
BR. & BR. ORG. CL. w/WD. & ORG.	99	86			0.44			C-1	5	8.8	
BK. & BR. PT. w/ORG. & SI. SMS.	78	289	376	295	0.18			C-5	10	3.8	▽ 15 MIN.
GR. CL. w/SI. & SA. LYR.	137	33			0.36			C-6	15	-1.2	
								C-7	20	-6.2	
GR. CL. w/SI. & SA. LYR.	113	31			0.16			C-8	25	-11.2	
								C-9	30	-16.2	
	100	72	94	58	0.21			C-10	35	-21.2	
								C-11	40	-26.2	
GR. CL.	106	61			0.32			C-12	45	-31.2	
								C-13	50	-36.2	
GR. CL. w/SH.	104	63			0.58			C-14	55	-41.2	
						N=2		D-15	60	-46.2	
		27				N=4		D-16	65	-51.2	
GR. SA. w/SI. TR.						N=50		D-17	70	-56.2	
		26				N=50		D-18	75	-61.2	
GR. SA. w/SI. LYR.						N=24		D-19	80	-66.2	
									85		
									90		
									95		
									100		
									105		
									110		
									115		
									120		
									125		
									130		
									135		
									140		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-7	STA.: 17+91, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'26.55"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°03'34.50"	DATE TAKEN: 11/30/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE
									0	13.4	
GR. & BR. CL. w/SH. & ORG.								C-1	2	11.4	
BK. & BR. PT. w/ORG., WD., & CL. LYR.	66	500			0.23			C-2	4	9.4	
								C-3	6	7.4	
	80	282	256	193	0.13			C-4	8	5.4	▽ 15 MIN.
								C-5	10	3.4	
									12		
									14		
									16		
									18		
									20		
									22		
									24		
									26		
									28		
									30		
									32		
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									52		
									54		
									56		

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.: B-8	STA.: 12+91, 20' Rt.	DRIVING RESISTANCE (TONS)
LATITUDE: N29°51'24.81"	LOCATION: SEE BORING PLAN	
LONGITUDE: W90°03'41.02"	DATE TAKEN: 11/30/04	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

SOIL TYPE⊗ AND COLOR	WET DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTICITY INDEX	qu	SPT or UU	FAILURE MODE	SAMPLE NUMBER	DEPTH	ELEVATION	WATER TABLE

TEST PILE NO.
STA.:
LOCATION:
TYPE OF PILE:
TYPE OF HAMMER:
RATED ENERGY: FT. LBS.
DATE OF DRIVING:

BORING NO.:	STA.:	DRIVING RESISTANCE (TONS)
LATITUDE:	LOCATION:	
LONGITUDE:	DATE TAKEN:	STR. NO.:
CONT. SECT.:	LOG MILE:	SQD. LDR.:

STANDARD ABBREVIATIONS & DEFINITIONS

MATERIAL:
CL. = Clay
CONC. = Concretion
GRAV. = Gravel
I.O. = Iron Ore
LIG. = Lignite
N.P. = Non-Plastic
ORG. = Organic
PT. = Peat
RT. = Roots
SA. = Sand
SH. = Shell
SI. = Silt
VEG. = Vegetation
WD. = Wood

COLOR:
BR. = Brown
BK. = Black
BL. = Blue
GR. = Gray
GN. = Green
PK. = Pink
TN. = Tan
WH. = White
YE. = Yellow

TEXTURE:
CO. = Coarse
FI. = Fine
MED. = Medium

STRUCTURE:
ALT. = Alternating
LAM. = Laminated
LEN. = Lens
LYR. = Layer
MOT. = Mottled
PKT. = Pocket
STK. = Streak
STR. = Strata
TR. = Trace
SMS. = Seams

FAILURE MODE:
M.S. = Multiple Shear
SL. = Slump
S/S = Slickensides
V.S. = Vertical Shear
YLD. = Yield
60°S. = Shear Angle
M.L. = Machine Limit

SOIL PROPERTIES

WET DENSITY = Wet density of in-place soil, (pounds per cu. ft.)
MOISTURE CONTENT = Moisture Content of in-place soil, expressed as a percentage of the dry weight of the soil, (%)
LIQUID LIMIT & PLASTICITY INDEX = Atterberg limits and indices, DOTD TR 428
qu = Unconfined compressive strength, AASHTO T 208, (tons per sq. ft.)
SPT = Standard Penetration Test, AASHTO T206, number of blows, N = , per foot of penetration, unless amount of penetration is shown otherwise
UU = Unconsolidated Undrained triaxial test, AASHTO T296, compressive strength (tons per sq. ft.), of one specimen confined at noted pressure (pounds per sq. in.)
C = Soil cohesion (pounds per sq. ft.)
ϕ = Soil Angle of internal friction (degrees)
Δ = Unconsolidated Undrained triaxial test, AASHTO T 296, three specimens, (c in tsf, ϕ)
* = Consolidated drained direct shear test, AASHTO T 236, (c in tsf, ϕ)
# = Pocket penetrometer strength, (tons per sq. ft.)

MISCELLANEOUS:

⊖ = Location and identification of thin-walled sample, AASHTO T 207
⊠ = Location and identification of thin-walled tube sample, AASHTO T 207, with a portion of the sample saved for consolidation testing
⊖ = Location and identification of SPT sample, AASHTO T 206
N.C. = Location and identification of SPT sample, AASHTO T 206
NO PENT. = No Penetration, unable to drive split spoon sampler initial 6 inches of the Standard Penetration Test
NO RECV. = No Recovery, unable to recover sample for testing or classification
DIST. = Disturbed sample recovered with thin-walled tube sampler
▽ 24 HRS. = Water Table depth below ground surface recorded at noted time after completion of bore hole
⊗ = SOIL TYPE nomenclature is based on ASTM D 2487
WOH = Weight of SPT Hammer

CORRELATION OF PENETRATION RESISTANCE AND SOIL PROPERTIES

SOIL	DESIGNATION		"N" (blows per ft.)	Approximate "qu" (tons per sq. ft.)
SAND AND SILT	RELATIVE DENSITY	VERY LOOSE	LESS THAN 4	
		LOOSE	4 – 10	
		MEDIUM	10 – 30	
		DENSE	30 – 50	
		VERY DENSE	OVER 50	
CLAY	CONSISTENCY	VERY SOFT	LESS THAN 2	LESS THAN 0.25
		SOFT	2 – 4	0.25 – 0.50
		MEDIUM	4 – 8	0.50 – 1.00
		STIFF	8 – 15	1.00 – 2.00
		VERY STIFF	15 – 30	2.00 – 4.00
		HARD	OVER 30	OVER 4.00

Borings performed by Ardaman & Associates, Inc.

STATE OF LOUISIANA
CHAD M. POCHE
License No. 27467
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

THIS SIGNATURE AND SEAL IS AFFIXED TO THIS DRAWING AS CERTIFICATION THAT THE LABORATORY TESTING AND ANALYSIS WAS PERFORMED ACCORDING TO THE LISTED PROCEDURES. NO DESIGN COMPUTATIONS WERE PERFORMED OR REVIEWED BY ME.

SHEET NUMBER 108
PARISH: JEFFERSON PARISH
FEDERAL PROJECT: 2604(515)
STATE PROJECT: 742-26-0073
DESIGNED
DETAILED: DMS
CHECKED: CP
DATE SHEET: MARCH, 2011
BY
REVISION DESCRIPTION
NO. DATE

HARVEY BOULEVARD EXTENSION
(PETERS RD. TO MANHATTAN BLVD.)
JEFFERSON PARISH
LOG OF SOIL BORING

DOTD
PAVEMENT & GEOTECHNICAL SERVICES SECTION

INDEX

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220	CS–216 05/17/17– PILING DETAILS
221	SSJ–4 (SHEET 1 OF 2) 01/08/09
222	YP–01 08/28/00
223	BD.2.6.3.01 BRIDGE BARRIER 36SS 36" SINGLE SLOPE
224	BD.2.11.10.0.01 04/20/17
225	BD.2.11.10.0.02 04/20/17

GENERAL NOTES

DESIGN SPECIFICATIONS: STRUCTURE DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 4th EDITION, 2007 AND 2008 INTERIM SPECIFICATIONS. GEOMETRIC DESIGN IS IN ACCORDANCE WITH "A POLICY ON GEOMETRIC DESIGN OF HIGHWAY AND STREETS, 2004". THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT BRIDGE DESIGN AND EVALUATION MANUAL (BDEM), AND BRIDGE DESIGN TECHNICAL MEMORANDA AS APPLICABLE.

DESIGN CRITERIA: THE BRIDGES ARE DESIGNED FOR A FUTURE WEARING SURFACE EQUAL TO 25 PSF. HL–93 AND LOUISIANA DESIGN VEHICLE 2011 (LADV–11) (IN ACCORDANCE WITH BRIDGE DESIGN AND EVALUATION MANUAL).

LIVE LOADING: LIVE LOAD SHALL BE HL–93 TRUCK OR DESIGN TANDEM, HL–93 DESIGN LANE LOAD, AND LADV–11 LIVE LOAD, WHICHEVER GOVERNS.

DESIGN SPEED: 45 MPH

CONSTRUCTION SPECIFICATIONS: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2016, EXCEPT AS SUPPLEMENTED OR AMENDED BY THE PLANS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

ELEVATIONS: ALL ELEVATIONS ARE CAIRO DATUM. 0.00 NGVD=20.43 CD. REFERENCE B.M.=U 368 ELEVATION 20.44

DIMENSIONS: ALL DIMENSIONS ARE GIVEN AT NORMAL TEMPERATURE (68° F).

YEAR PLATE: DATE OF CONSTRUCTION IS REQUIRED AT RIGHT WINGWALLS OF STRUCTURES FOR ONCOMING TRAFFIC LANES. (SEE SPECIAL DETAIL YP–01)

SEEDING AND FERTILIZING: ALL AREAS OF DISTURBED EMBANKMENT SLOPES NOT HAVING REVETMENT ARE TO RECEIVE SEEDING AND FERTILIZING.

CONCRETE: ALL SUPERSTRUCTURE CONCRETE TO BE CLASS "A1" CONCRETE. ALL SUBSTRUCTURE CONCRETE TO BE CLASS "A1" CONCRETE UNLESS OTHERWISE SPECIFIED IN PLANS. GIRDER CONCRETE TO BE CLASS "P2" CONCRETE. CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" EXCEPT ALL CORNERS OF BENTS WHICH SHALL BE CHAMFERED 1 1/2" UNLESS OTHERWISE NOTED. NO DEDUCTIONS ARE TO BE MADE IN CONCRETE QUANTITIES FOR CHAMFERS 1 1/2" OR LESS. CONCRETE AND STEEL IN CONCRETE RAILING TO BE PAID FOR PER LINEAR FOOT OF CONCRETE RAILING.

REINFORCING STEEL: DIMENSIONS RELATING TO REINFORCING STEEL FABRICATION ARE OUT TO OUT OF BAR UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO REINFORCING STEEL SPACING ARE CENTER TO CENTER OF BAR. THE MINIMUM COVERING FROM THE SURFACE OF THE CONCRETE TO THE FACE OF ANY DEFORMED REINFORCING BAR SHALL NOT BE LESS THAN THE FOLLOWING:

TOP OF SLAB = 2.5"
BOTTOM OF SLAB = 1.5"

ALL OTHER REINFORCING STEEL COVER SHALL BE 2" UNLESS OTHERWISE NOTED IN THE PLANS. SEE STANDARD PLAN SWBS–100 FOR BAR SUPPORTS FOR REINFORCING STEEL. ALL REINFORCING STEEL SHALL BE GRADE 60. THE FIRST DIGIT OF REINFORCING BAR NUMBER INDICATES BAR SIZE.

GUARD RAIL: ALL GUARD RAILS FOR THIS PROJECT SHALL COMPLY TO THE LADOTD STANDARD SPECIFICATIONS.

PILES: ALL PILE REQUIREMENTS INCLUDING SIZE, TYPE AND MAXIMUM DESIGN LOAD AND TEST PILE REQUIREMENTS AS TO LOCATION AND TEST LOADING SHALL BE AS DESCRIBED ON THE PLANS OR IN THE SPECIFICATIONS. SEE SPECIAL DETAIL CS–216. THE MINIMUM PILE TIP ELEVATIONS WILL BE PLAN PILE TIP ELEVATIONS UNLESS NOTED ON THE PLANS OR OTHERWISE AS DIRECTED BY THE ENGINEER.

PILE ORDER LENGTHS WILL BE PROVIDED AFTER COMPLETION OF THE CPT PROBINGS AND/OR TEST PILE LOAD TESTING AND/OR INDICATOR PILE INSTALLATION AND EVALUATION AS REQUIRED BY THE PLANS.

TEST PILES: ELASTIC DEFORMATIONS FOR TEST PILES:

Δ IN INCHES; P IN TONS
FOR ' PILES: Δ RELATES TO = P

PRECAST CONCRETE GIRDERS: THE CONTRACTOR IS RESPONSIBLE FOR STABILITY OF PRECAST PRESTRESSED CONCRETE GIRDERS DURING FABRICATION, STORAGE, TRANSPORTATION, ERECTION, AND DECK PLACEMENT. SUPPORTING ANALYSIS AND CALCULATIONS STAMPED, SIGNED, AND DATED BY A LOUISIANA LICENSED PROFESSIONAL ENGINEER AND SHOP DRAWINGS SHOWING THE METHOD OF LIFTING THE GIRDER, LIFTING LOCATIONS AND DETAILS, SUPPORT (DUNNAGE) LOCATIONS FOR STORAGE AND TRANSPORTAION DETAILS, AND ERECTION BRACING DETAILS SHALL BE SUBMITTED TO THE EOR FOR REVIEW.

PERMANENT SIGNING: PERMANENT SIGNING IS TO BE DESIGNED AND CONSTRUCTED BY THE JEFFERSON PARISH TRAFFIC ENGINEERING DEPARTMENT

RETROREFLECTIVE PANELS: JEFFERSON PARISH SHALL INSTALL RETROREFLECTIVE PANELS ON THE BRIDGE PER CODE OF FEDERAL REGULATIONS CFR 118.100(c).

STRUCTURAL METALWORK: ALL STRUCTURAL METALWORK SHALL BE STRUCTURAL CARBON STEEL CONFORMING TO ASTM A 709 (GR 36) UNLESS OTHERWISE SHOWN IN THE PLANS. ANY NECESSARY SUBSTITUTION SHOULD HAVE PRIOR APPROVAL OF THE BRIDGE DESIGN ENGINEER. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE MECHANICALLY GALVANIZED. PAYMENT FOR STRUCTURAL METALWORK IS MADE UNDER ITEM 807–04–00100, STRUCTURAL METALWORK, PER LUMP SUM.

WELDED ITEMS: WELDING OF ALL STRUCTURAL STEEL AND STEEL PIPES SHALL CONFORM TO SECTION 809 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

GALVANIZED STEEL: ALL MISCELLANEOUS HARDWARE WHICH IS SPECIFIED TO BE GALVANIZED SHALL BE COATED IN ACCORDANCE WITH ASTM A 153. ALL STRUCTURAL STEEL SHAPES WHICH ARE SPECIFIED TO BE GALVANIZED SHALL BE COATED IN CONFORMANCE WITH ASTM A 123 AFTER FABRICATION. DAMAGED GALVANIZED COATS THAT ARE NOT TO BE EMBEDDED IN MORE THAN 3 IN. OF CONCRETE SHALL BE REPAIRED WITH COLD APPLIED, ZINC RICH, ORGANIC PAINT, FROM THE APPROVED QUALIFIED PRODUCTS LIST OR ANY OTHER APPROVED METHOD OF REPAIR.

ENVIRONMENTAL COMPLIANCE: PRIOR TO THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL OBTAIN A COPY OF THE ENVIRONMENTAL CLEARANCE DOCUMENT AS WELL AS COPIES OF ALL PERMITS AND AGREEMENTS OBTAINED BY DOTD. THE CONTRACTOR SHALL THOROUGHLY EXAMINE AND COMPLY WITH ALL REQUIREMENTS SET FORTH IN THOSE DOCUMENTS.

CONCRETE RAILING: CONCRETE TO BE CLASS A1 AND REINFORCING STEEL TO BE GRADE 60. ALL CONCRETE AND STEEL IN BARRIER RAILING AND BARRIER RAILING TRANSITION INCLUDING BARS THAT PROJECT FROM THE GIRDER INTO THE RAILING TO BE PAID PER LINEAR FOOT UNDER ITEM 810–01–00100 CONCRETE BRIDGE RAILING (STANDARD) AND ITEM 810–01–00200 CONCRETE BRIDGE RAILING (SLOTTED).

AS–DESIGNED BRIDGE RATING FACTOR TABLE

STRUCTURE NO. H.007208

VEHICLE	SUPERSTRUCTURE (EXT. GIRDER)	SUBSTRUCTURE (PILE CAP)	NOTES
HL–93 (INV)	2.41	5.60	
HL–93 (OPR)	3.13	7.26	
LADV–11 (INV)	2.02	3.31	

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 201
PARISH: JEFFERSON
CONTROL SECTION: 000–26
STATE PROJECT: H.007208
DESIGNED: MAC
CHECKED:
DETAILED: DFB
CHECKED:
DATE: 07/18/25
SHEET:
BY:
NO. REVISION DESCRIPTION DATE

GENERAL NOTES AND INDEX

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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SUMMARY OF ESTIMATED QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNITS BRIDGE	TOTAL
704-03-00200	BLOCKED OUT GUARDRAIL (6'-3" POST SPACING) [1]	LNFT 600	600
704-07-00200	GUARD RAIL TRANSITIONS (DOUBLE THRIE BEAM)	LNFT 100	100
704-10-00205	GUARD RAIL END TREATMENT MASH (TL3 TANGENT)	EACH 4	4
704-10-00100 [1]	GUARD RAIL END TREATMENT (FLARED)	EACH 4	4
720-01-01000	EROSION CONTROL SYSTEM (SLOPE PROTECTION) (TYPE A)*	[1] SQYD 1890	[1] 1890
729-16-00300	OBJECT MARKER ASSEMBLY (TYPE 3)	EACH 4	4
804-01-00100	PRECAST CONCRETE PILES (12")	LNFT 1960	1960
804-01-00300	PRECAST CONCRETE PILES (16")	LNFT 280	280
804-01-00400	PRECAST CONCRETE PILES (18")	LNFT 980	980
804-05-00400	PRECAST CONCRETE TEST PILES (18")	EACH 1	1
804-09-00400	STATIC LOAD TEST (PRECAST CONCRETE PILES (18"))	EACH 1	1
804-14-00100	DYNAMIC MONITORING ASSISTANCE	EACH 5	5
805-01-00200	CLASS A1 CONCRETE (DECK)	CUYD 73	73
805-01-00300	CLASS A1 CONCRETE (BENT CAP)	CUYD 80.28	80.28

* PAYMENT SHALL BE MADE BASED ON QUANTITY MEASURED IN FIELD.

SUMMARY OF ESTIMATED QUANTITIES (CONT.)

ITEM NUMBER	ITEM DESCRIPTION	UNITS BRIDGE	TOTAL
TS-805-00913	45' EXTERIOR GIRDERS PRECAST-PRESTRESSED CONCRETE GIRDERS (42" WIDTH)	LNFT 270	270
TS-805-00913	45' INTERIOR GIRDERS PRECAST-PRESTRESSED CONCRETE GIRDERS (50" WIDTH)	LNFT 945	945
805-18-00100	CONCRETE FINISH (CLASS 2 RUBBED FINISH)	SQFT 2416.28	2416.68
805-18-00200	CONCRETE FINISH (CLASS 3 SPECIAL FINISH)	SQFT 3249.56	3249.56
806-01-00100	DEFORMED REINFORCING STEEL	LB 30899.11	30899.11
807-01-00800 [1]	STRUCTURAL METALWORK ASTM A36 STEEL [2]	LB 2250	2250
810-01-00100	CONCRETE BRIDGE RAILING (STANDARD)	LNFT 207	207
810-01-00200	CONCRETE BRIDGE RAILING (SLOTTED)	LNFT 134.83	134.83
813-01-00100	CONCRETE APPROACH SLABS (CAST-IN-PLACE)	SQYD 290	290
814-01-00100	ELASTOMERIC BEARING PADS (NON-REINFORCED)	SFIN 449	449
815-02-00500 [1]	SEALED EXPANSION JOINT (STRIP SEAL JOINTS)	LNFT 70	70

ESTIMATED QUANTITIES FOR STRUCTURAL METALWORK ARE AS FOLLOWS:
BRIDGE 2250 LBS.,

DANIEL F. ROBECK
REGISTERED PROFESSIONAL ENGINEER
No. 032640
STATE OF LOUISIANA
CIVIL ENGINEERING
08/18/2025

DOTD PERRIN & CARTER, INC.	SUMMARY OF ESTIMATED QUANTITIES HARVEY BLVD EXT (PETERS RD–MANHATTAN)	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT	1 9/29/2025 REVISED PAY ITEMS, QUANTITY, ITEM DESCRIPTIONS M.A.C. NO. DATE REVISION DESCRIPTION BY	DESIGNED MAC CHECKED DFB DETAILED RMM CHECKED MAC DATE SHEET 07/18/25	PARISH JEFFERSON CONTROL SECTION 000-26 STATE PROJECT H.007208	SHEET NUMBER 202

18"X18" TEST PILE DRIVEN TO FIRMLY SEAT TIP OF PILE INTO EXISTING SAND STRATA APPROXIMATELY AT ELEVATION – 55.0

END APPROACH SLAB STA. 18+90.5

TEST PILE STA. 19+15.00 78 FT. LT

END BRIDGE STA. 19+30.58

MURPHY CANAL

BEGIN BRIDGE STA. 20+65.42

BEGIN APPROACH SLAB STA. 21+05.5

5'–5½"

11 SPACES @ 11'–3" (2'–0"x6" DRAIN OPENING IN BARRIER)=123'–9"

5'–5½"

40'–0" APPROACH SLAB

SCALE : 1/16"=1'–0"

OBJECT MARKER (TYPE 3)

STREET LIGHT ON POLE SEE SHT. 230

225'–0" GUARDRAIL (TYP.)

25'–0" 704–07 –00200

150'–0" 704–03–00200

50'–0" 704–10–00205

OBJECT MARKER

GUARDRAIL

4'–0" SHOULDER

12'–0" TRAVEL LANE

℄ ROADWAY & BRIDGE

CROSS SLOPE 2.5%

DRAINAGE SLOT IN BARRIER RAIL

12'–0" TRAVEL LANE

4'–0" SHOULDER

GUARDRAIL

GUARDRAIL DETAILS SHALL CONFORM TO DOTD STANDARD PLANS, TYP.

OBJECT MARKER (TYPE 3)

18'–0" BARRIER RAIL

℄ BENT @ BRIDGE

BARRIER RAIL

℄ BENT @ BRIDGE

℄ BENT @ BRIDGE

℄ BENT @ BRIDGE

OBJECT MARKER (TYPE 3)

GUARDRAIL DETAILS SHALL CONFORM TO DOTD STANDARD PLANS, TYP.

40'–0" CONCRETE APPROACH SLAB

45'–0"

45'–0"

45'–0"

18'–0" GUARDRAIL (TYP.)

① ② ③ ④

EXISTING SLOPE PAVING

MURPHY CANAL

50'–0" 704–10–00205

150'–0" 704–03–00200

25'–0" 704–07 –00200

25'–0" 704–07 –00200

150'–0" 704–03–00200

50'–0" 704–10–00205

225'–0" GUARDRAIL (TYP.)

PLAN VIEW–BRIDGE

1/16"=1'–0"

215'–0"

40'–0" CONCRETE APPROACH SLAB

45'–0"

45'–0"

45'–0"

40'–0" CONCRETE APPROACH SLAB

CONCRETE BARRIER RAIL

18'–0"

100 YEAR WSE=14.73

FINISH GRADE LINE EL. 19.00±

ENDS OF GIRDERS AT LINES 2 & 3 SHALL BE GROUTED. SEE DETAILS 3/221 AND 6/221.

10 YEAR WSE=13.58

CONCRETE BARRIER RAIL

LONGIT. SLOPE 0.00%

18'–0"

GUARDRAIL

ROADWAY

ROADWAY

20

10

0

–10

OBJECT MARKER

2–16" SQUARE PPC PILE 70' LONG

REQUIRED FILL

1½ 12

3 1

1 3

1½ 12

30'–0"

EXISTING CANAL SECTION

OBJECT MARKER

2–16" SQUARE PPC PILE 70' LONG

REQUIRED FILL

14–12" PPC PILES, 70' LONG. (ALL PILES BATTERED) BENT NO. 1 STA. 19+30.5

7–18" PPC PILES, 70' LONG. BENT NO. 2 STA. 19+75.5

7–18" PPC PILES, 70' LONG. BENT NO. 3 STA. 20+20.5

14–12" PPC PILES, 70' LONG. (ALL PILES BATTERED) BENT NO. 5 STA. 20+65.5

18+00 19+00 21+00 22+00

TIPS OF ALL PILING SHALL BE DRIVEN TO EMBED IN DENSE SAND DEPOSITS APPROXIMATELY 70 FT. BELOW EXISTING TOP OF BANK GRADE. PILE DRIVING SHALL BE MONITORED TO ENSURE PILE TIPS ARE FIRMLY SEATED IN SAND STRATA.

BRIDGE PROFILE

1/16"=1'–0"

STATE OF LOUISIANA 07/18/2025 DANIEL F. BOBECK License No. 00386640 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SHEET NUMBER 203

PARISH JEFFERSON | CONTROL SECTION 000–26 | STATE PROJECT H.007208

DESIGNED MAC | DETAILED DFB | CHECKED | DATE SHEET 07/18/25

NO | DATE | REVISION DESCRIPTION | BY

GENERAL PLAN BRIDGE

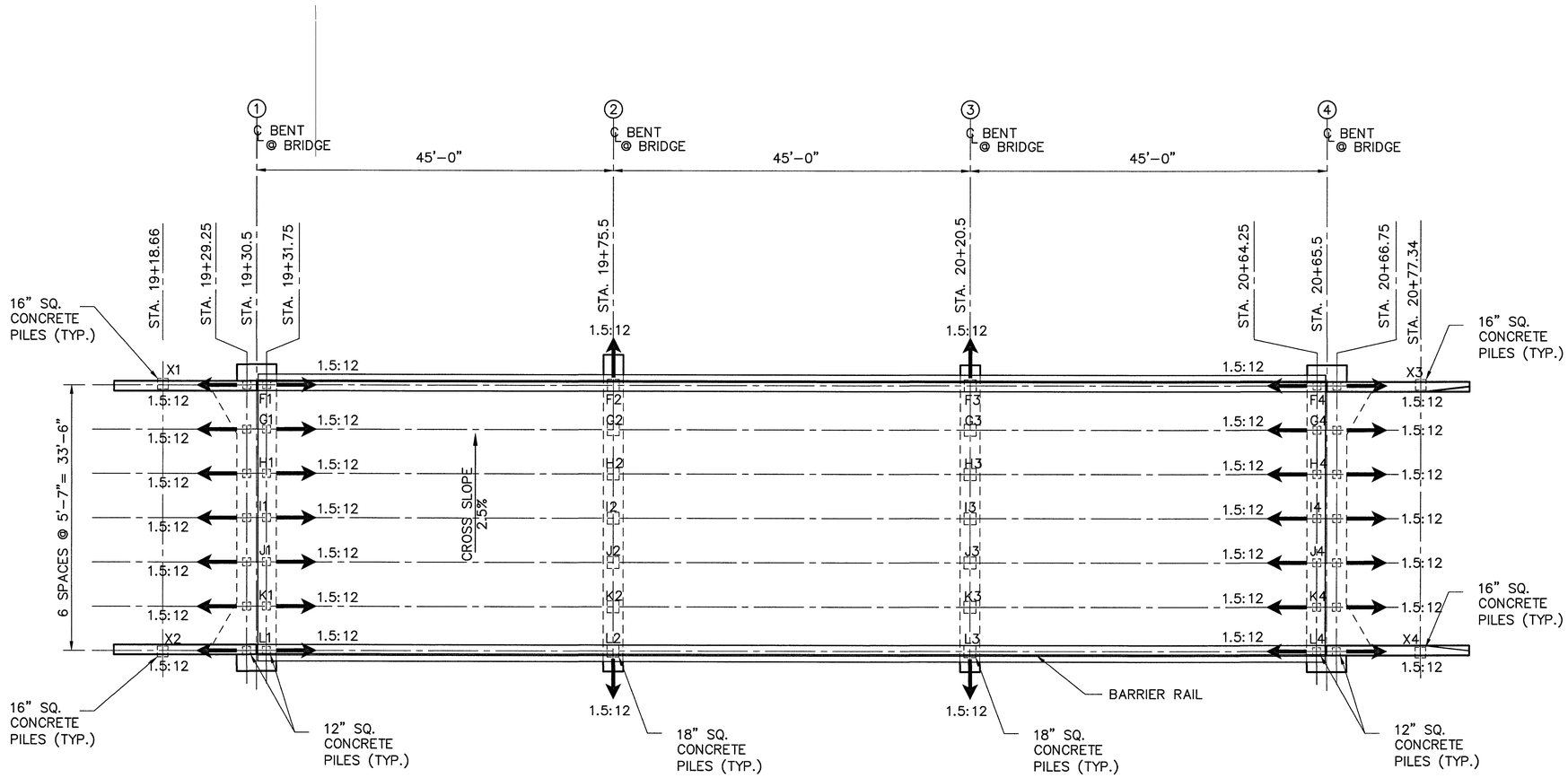
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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SCALE : ⅛"=1'–0"

BORING B–7
STA. 18+91.17
19.74 FT. RT.

X:X INDICATES DIRECTION OF BATTER PILE WITH MAGNITUDE

BORING B–6
STA. 20+99.58
19.74 FT. RT.

PILE PLAN
PLAN VIEW–NORTH BRIDGE
⅛"=1'–0"

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	204
PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC
DETAILED / CHECKED	DFB
DATE / SHEET	07/18/25

REVISION DESCRIPTION | DATE | NO | BY

PILING PLAN
BRIDGE

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD
PERRIN & CARTER, INC.

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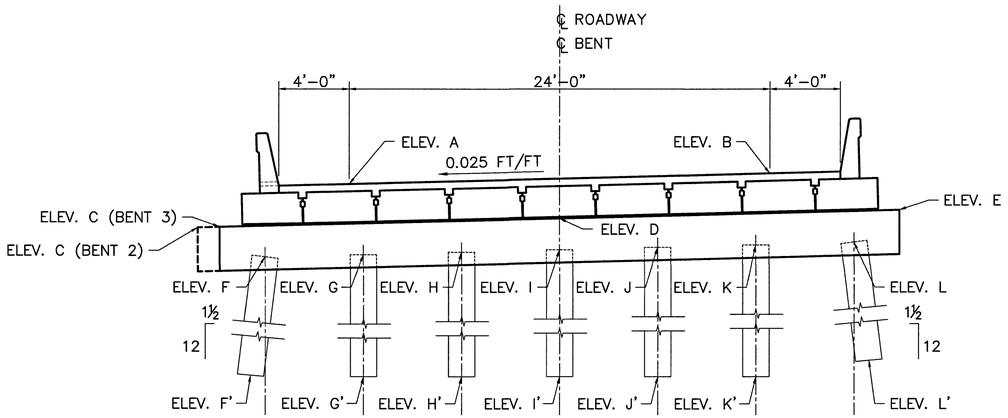
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TABLE OF ELEVATIONS – HARVEY BLVD. NORTH BRIDGE

BENT NO.	℄ BENT STAT.	GUTTER ELEV. A	GUTTER ELEV. B	CAP ELEV. C	CAP ELEV. D	CAP ELEV. E	NO. OF PILES	PILE TYPE	MAX. PILE LOAD (TONS)	PLAN PILE CUT–OFF ELEV. F	G	H	I	J	K	L	PLAN PILE TIP ELEV. F'	G'	H'	I'	J'	K'	L'	PLAN PILE LENGTHS	ORDER LENGTHS	AS BUILT TIP ELEV. MAX ELEV.	MIN ELEV.	AVG ELEV.
1	19+30.5	19.00	19.60	16.20	16.20	16.20	14	12" @ PPC	50	14.20	14.20	14.20	14.20	14.20	14.20	14.20	−55.80	−55.80	−55.80	−55.80	−55.80	−55.80	−55.80	70.00				
2	19+75.5	19.00	19.60	16.54	17.05	17.53	7	18" @ PPC	90	14.87	15.01	15.15	15.29	15.43	15.57	15.71	−55.13	−54.99	−54.85	−54.71	−54.57	−54.43	−54.29	70.00				
3	20+20.5	19.00	19.60	16.57	17.05	17.53	7	18" @ PPC	90	14.87	15.01	15.15	15.29	15.43	15.57	15.71	−55.13	−54.99	−54.85	−54.71	−54.57	−54.43	−54.29	70.00				
4	20+65.5	19.00	19.60	16.20	16.20	16.20	14	12" @ PPC	50	14.20	14.20	14.20	14.20	14.20	14.20	14.20	−55.80	−55.80	−55.80	−55.80	−55.80	−55.80	−55.80	70.00				
WINGWALL PILES										X							X'											
	19+18.66	19.00	19.60	16.20			1	16" @ PPC	62	14.95							−55.05							70.00				
	19+18.66	19.00	19.60	16.20			1	16" @ PPC	62	14.95							−55.05							70.00				
	20+77.34	19.00	19.60	16.20			1	16" @ PPC	62	14.95							−55.05							70.00				
	20+77.34	19.00	19.60	16.20			1	16" @ PPC	62	14.95							−55.05							70.00				

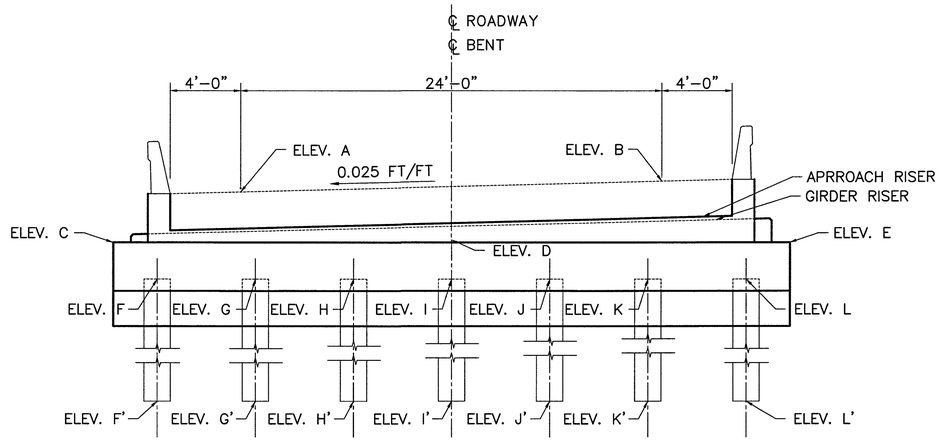
ALL ELEVATIONS ARE CAIRO DATUM

BENT NO.	PILE	SERVICE LOAD (TONS) DL (DC+DW)	SERVICE LOAD (TONS) LL	RESISTANCE FACTOR	REQUIRED (NOMINAL) RESISTANCE (TONS) WITHOUT PREBORING	REQUIRED (NOMINAL) RESISTANCE (TONS) WITH PREBORING
1	F1–L1	22.8	14.5	0.7	54	NA
2	F2–L2	47.2	30.0	0.7	110	NA
3	F3–L3	47.2	30.0	0.7	110	NA
4	F4–L4	22.8	14.5	0.7	54	NA
WINGWALL PILES						
	X1	17	0	0.7	24.2	NA
	X2	17	0	0.7	24.2	NA
	X3	17	0	0.7	24.2	NA
	X4	17	0	0.7	24.2	NA



PILE TIPS SHALL BE FIRMLY SEATED IN SAND STRATA. CONTRACTOR SHALL COORDINATE WITH TESTING LAB TO VERIFY. PILE LENGTHS MAY BE LONGER OR SHORTER THAN 70 FT. SPECIFIED ABOVE.

ELEVATION – BENTS 2 & 3



ELEVATION – BENTS 1 & 4

STATE OF LOUISIANA
10/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 205

PARISH: JEFFERSON | CONTROL SECTION: 000–26 | STATE PROJECT: H.007208

DESIGNED: MAC | DETAILED: DFB | CHECKED: | DATE SHEET: 07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

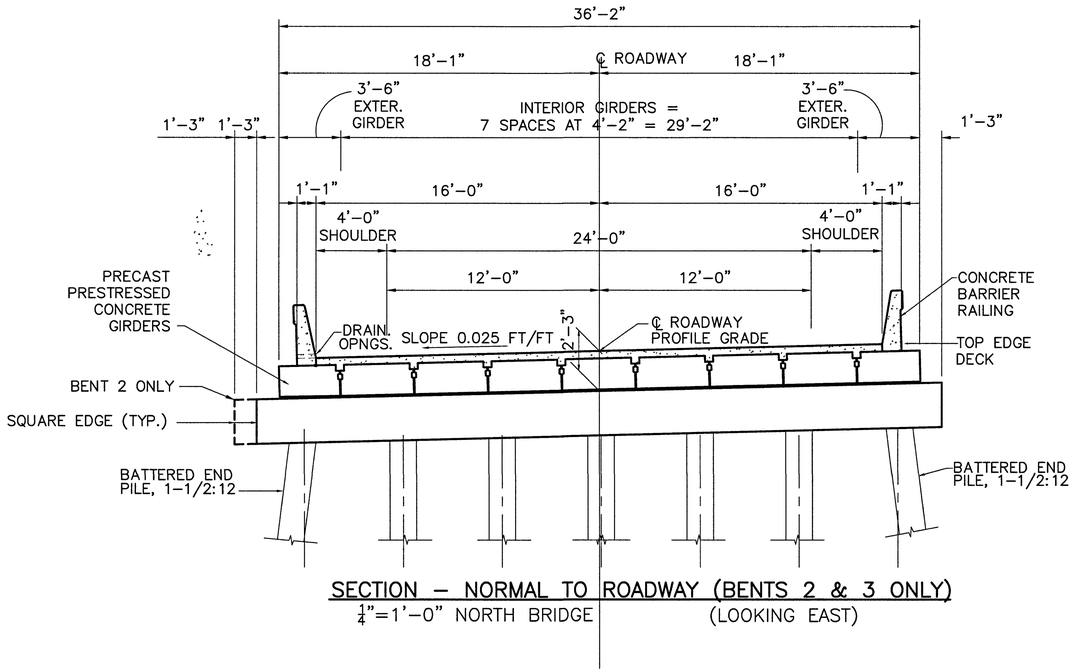
BENT AND PILE DATA
BRIDGE

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD
PERRIN & CARTER, INC.

Drawing Path: C:\Users\cartern\OneDrive – Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\struct\BRIDGE\03011–205.dwg 07.24.2025 13:17:18

07/24/2025 13:17



SECTION – NORMAL TO ROADWAY (BENTS 2 & 3 ONLY)

$\frac{1}{4}$"=1'–0" NORTH BRIDGE (LOOKING EAST)

SHEET NUMBER	206
PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC
DETAILED / CHECKED	DFB
DATE / SHEET	07/18/25

REVISION DESCRIPTION — NO. — DATE — BY

STATE OF LOUISIANA — DANIEL F. BOBECK — License No. 0038640 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 07/18/2025

TYPICAL SECTION

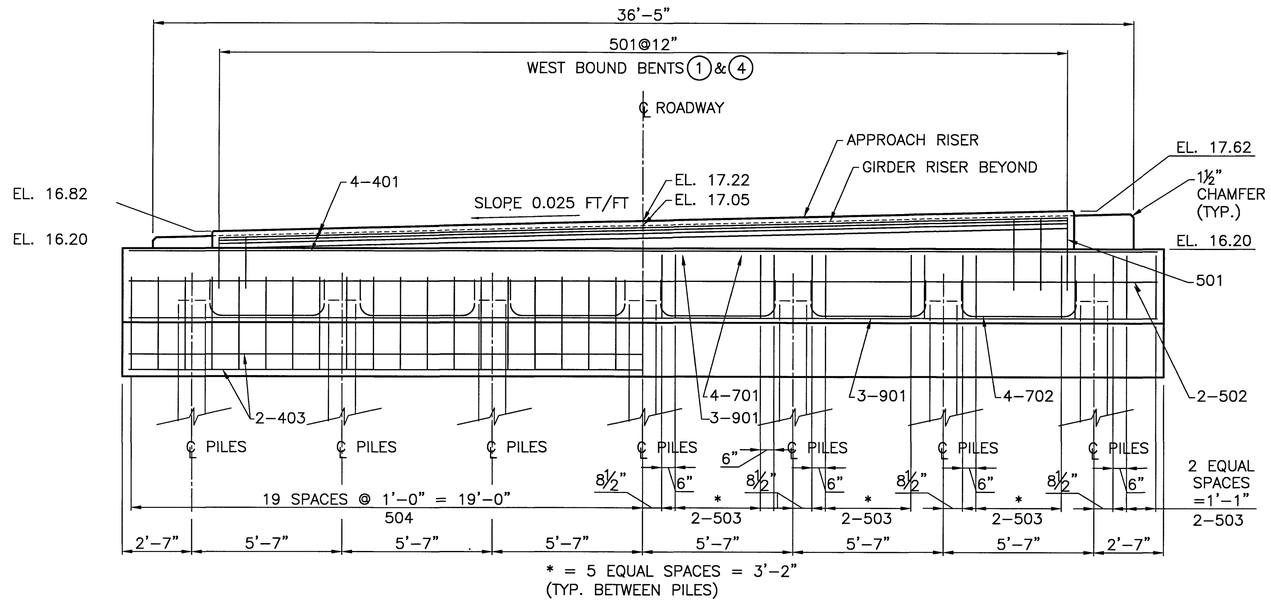
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

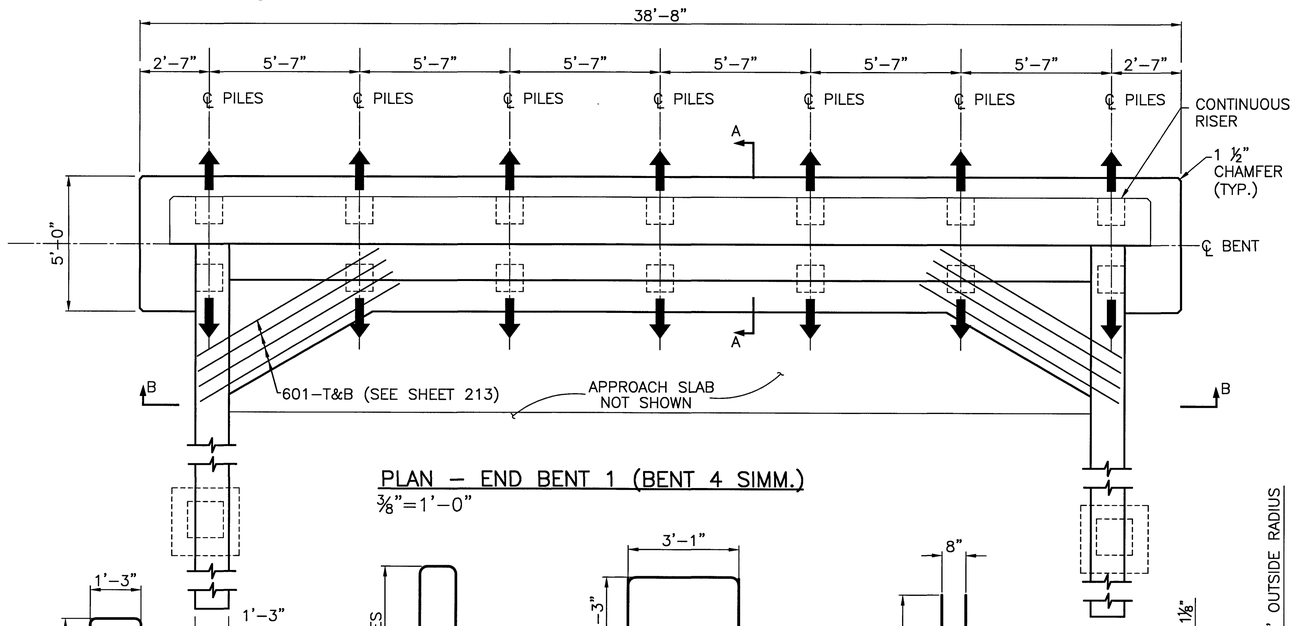
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07/24/2025 10:01



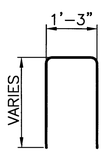
ELEVATION B–B LOOKING TOWARD BRIDGE FROM APPROACH

⅜"=1'-0"

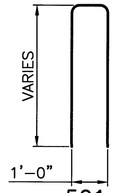


PLAN – END BENT 1 (BENT 4 SIMM.)

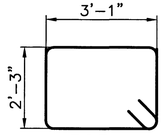
⅜"=1'-0"



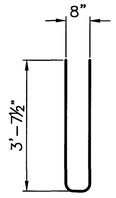
402
(2" ø PIN)
N.T.S.



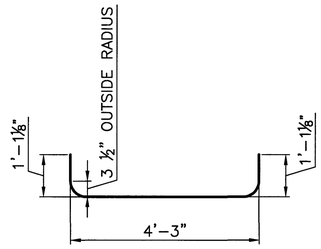
501
(2 ½" ø PIN)
N.T.S.



503
(3 ¾" ø PIN @ 90 DEGREE CORNERS)
(2 ½" ø PIN @ 135 DEGREE HOOK W/ 3 ¾" EXTENSION)
N.T.S.



504
(3 ⅛" ø PIN)
N.T.S.



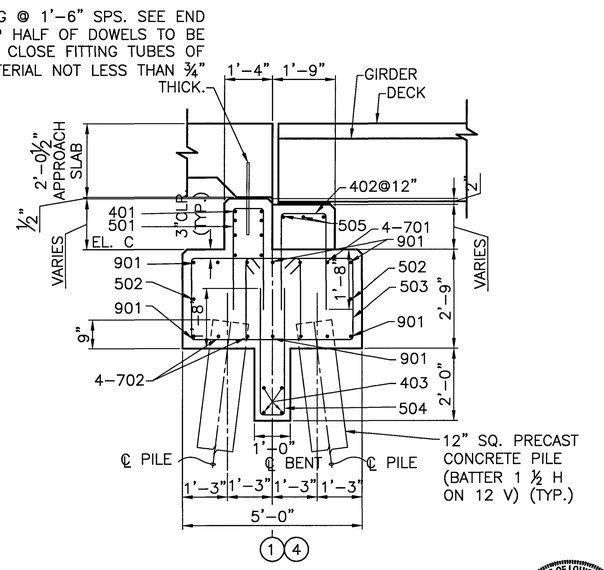
702
(5 ¼" ø PIN)
N.T.S.

ESTIMATED QUANTITIES ARE TO AID BIDDER. BIDDER TO VERIFY ALL QUANTITIES PRIOR TO SUBMITTING PROPOSAL.									
ESTIMATED QUANTITIES – TYPICAL FOR BENTS (1) & (4)									
BAR	SIZE	NO. REQ'D.					UNIT LENGTH	TOTAL LENGTH	LOCATION
401	#4	8					31'–6"	252'–0"	STEM – LONGITUDINAL
402	#4	35					VARIES	202'–9"	RISER
403	#4	4					38'–2"	152'–8"	BOTTOM BULKHEAD
TOTAL #4 BARS								**607'–5" = 405.76 LBS.**	
501	#5	32					VARIES	178'–5"	STEM
502	#5	2					38'–2"	76'–4"	CAP – MID HT. LONG.
503	#5	72					11'–5"	822'–0"	STIRRUPS – CAP
504	#5	39					7'–11"	308'–9"	BULKHEAD STIRRUP
505	#5	3					35'–11"	107'–9"	RISER – LONGITUDIUAL
TOTAL #5 BARS								**1493'–3" = 1557.46 LBS.**	
601	#6	32					8'–6"	272'–0"	CAP – HORIZ. HAUNCH
TOTAL #6 BARS								**272'–0" = 408.55 LBS.**	
701	#7	4					38'–2"	152'–8"	CAP – TOP
702	#7	24					6'–5"	154'–6"	CAP – BOTTOM
TOTAL #7 BARS								**307'–2" = 627.85 LBS.**	
901	#9	6					38'–2"	229'–0"	CAP – T&B LONG.
TOTAL #9 BARS								**229'–0" = 778.60 LBS.**	

TOTAL DEFORMED REINFORCING STEEL	= 3,778.22LBS.
TOTAL CLASS A1 CONCRETE	= 25.58 CU. YDS.
12" SQ. PRECAST CONCRETE PILES– 14 PILES X 70 FT. LONG	= 980 LIN. FT.
PILE DESIGN LOAD	= 50 TONS

QUANTITIES SHOWN (EXCLUDING WING WALLS) ARE FOR ONE BENT ONLY
TWO BENTS REQUIRED

#6 DOWELS (2' LONG @ 1'–6" SPS. SEE END BENT DETAILS. TOP HALF OF DOWELS TO BE WRAPPED WITH CLOSE FITTING TUBES OF COMPRESSIBLE MATERIAL NOT LESS THAN ¾" THICK.



SECTION – A–A

½"=1'-0"

STATE OF LOUISIANA
07/31/2025
DANIEL F. BOBECK
License No. 00386-40
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 207

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MAC	DFB	RMM	MAC	07/18/25	

NO.	DATE	REVISION DESCRIPTION	BY

NORTH BRIDGE
END BENT DETAILS

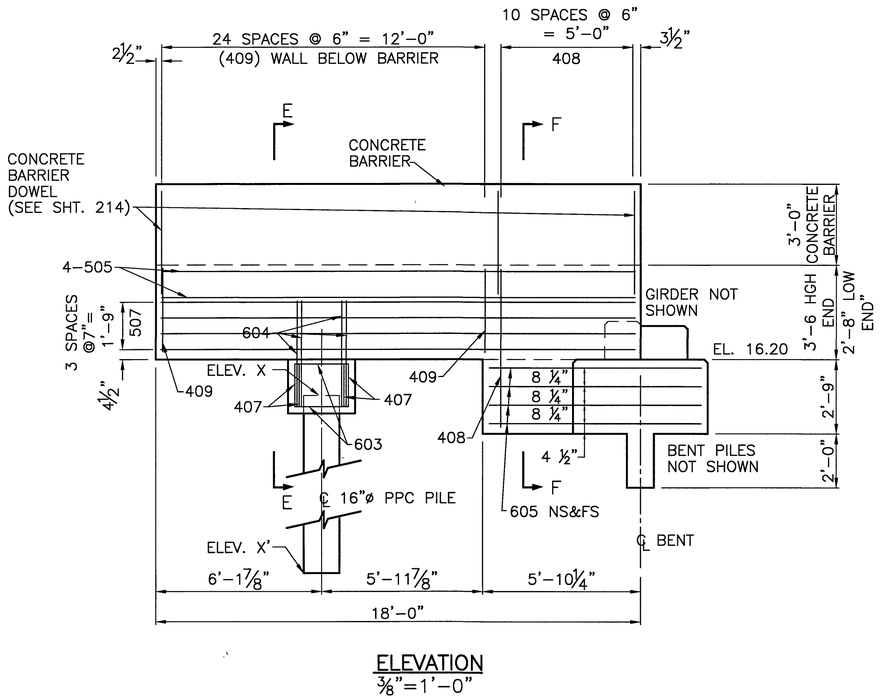
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

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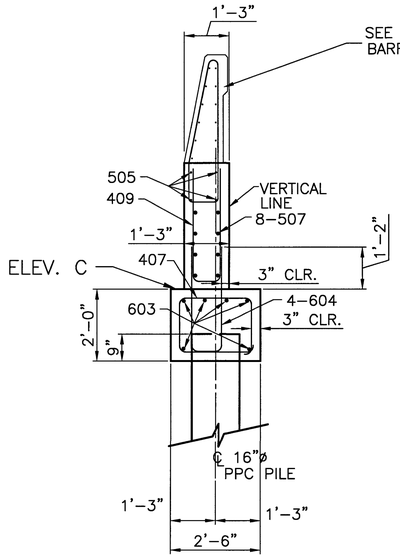


ELEVATION
⅜"=1'-0"

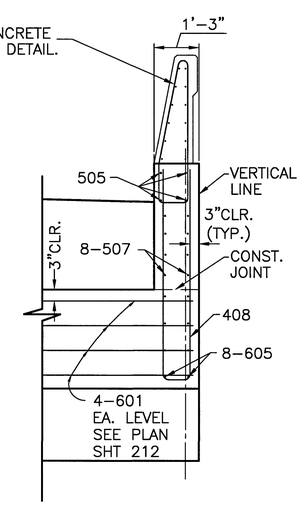
ESTIMATED QUANTITIES (WINGWALLS ONLY) – TYPICAL FOR BENTS ① & ④								
BAR	SIZE	NO. REQ'D.				UNIT LENGTH	TOTAL LENGTH	LOCATION
407	#4	8				7'-6 3/4"	60'-6"	16" PPC PILE CAP
408	#4	22				12'-5" H 10'-9" L	254'-10"	WING WALL VERT
409	#4	50				6'-11" H 5'-7" L	285-5"	WING WALL VERT
TOTAL #4 BARS						679'-6" =	453.9 LBS.	
505	#5	8				17'-8"	141'-4"	WING WALL HORIZ.
507	#5	16				17'-8"	282'-8"	HORIZ. – WALL
TOTAL #5 BARS						424'-0" =	442.23 LBS.	
603	#6	12				2'-0"	24'-0"	16" CAP
604	#6	8				8'-5 1/2"	67'-8"	HOOPED –WALL/CAP
605	#6	16				8'-6"	136'-0"	HORIZ. – WALL
TOTAL #6 BARS						227-8" =	341.9 LBS.	

TOTAL DEFORMED REINFORCING STEEL	=	1238.03 LBS.
TOTAL CLASS A1 CONCRETE	=	5.14 CU.YDS.
16" SQ. PRECAST CONCRETE PILES – 2 PILES X 70 FT. LONG	=	140 LIN.FT.
PILE DESIGN LOAD	=	62 TONS

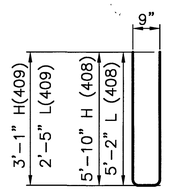
QUANTITIES SHOWN ARE FOR TWO WINGWALLS AT ONE BENT ONLY –



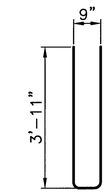
SECTION E–E
½"=1'-0"



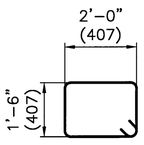
SECTION F–F
½"=1'-0"



408–409
(2"ø PIN)
N.T.S.



604
(4–1/2"ø PIN)
N.T.S.



407
(2"ø PIN)
N.T.S.



SHEET NUMBER 208

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MAC	DFB	RMM	MAC	07/18/25	

NO.	DATE	REVISION DESCRIPTION	BY

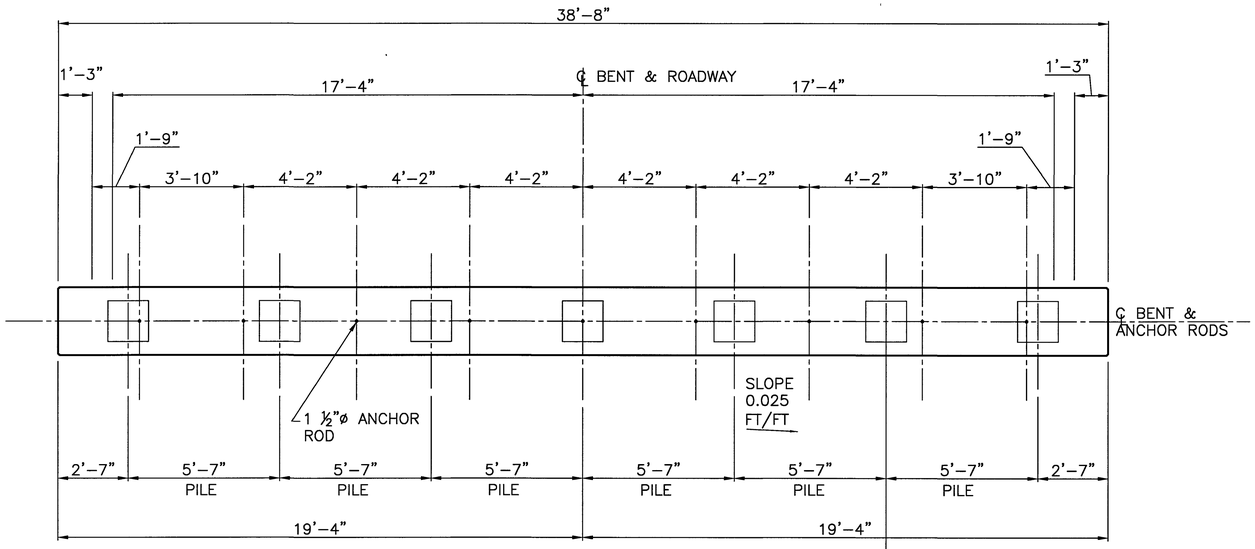
END BENT WING WALL DETAILS

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD PERRIN & CARTER, INC.

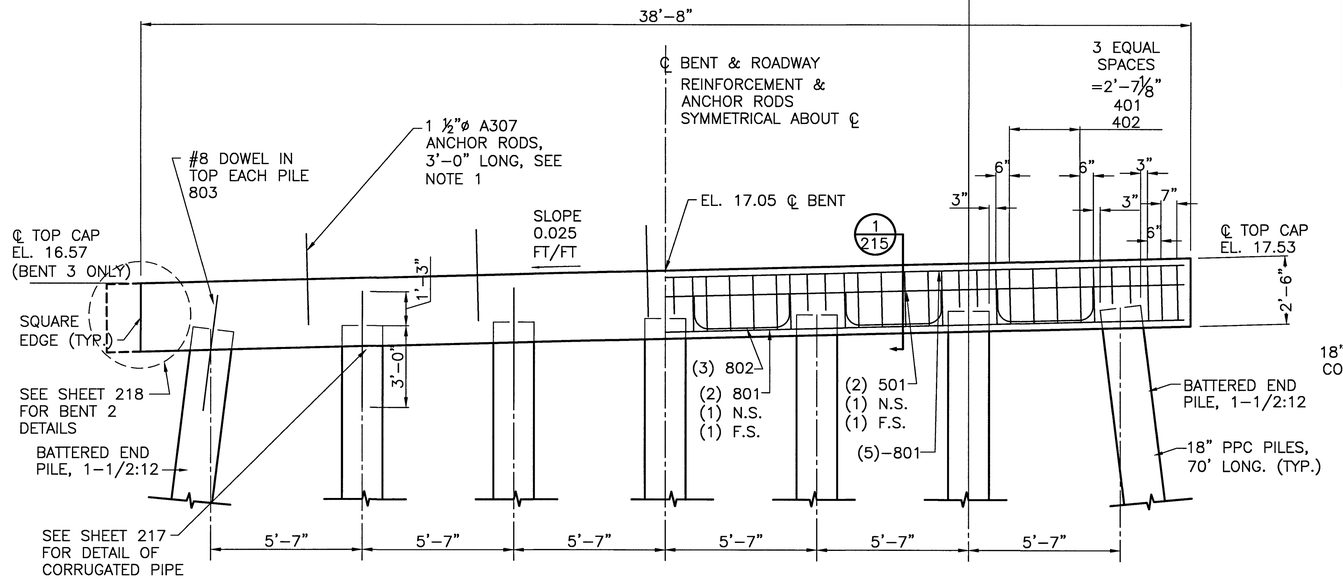
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PLAN – NORMAL TO ROADWAY

$\frac{3}{8}$"=1'-0" NORTH BRIDGE (BENTS 2 & 3)



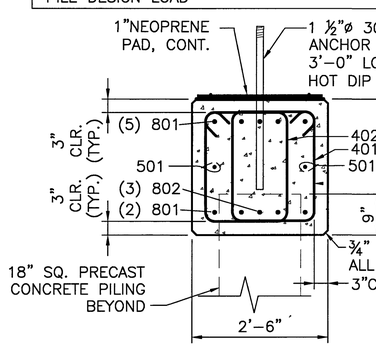
SECTION – NORMAL TO ROADWAY

$\frac{3}{8}$"=1'-0" NORTH BRIDGE (BENTS 2 & 3 LOOKING EAST)

ESTIMATED QUANTITIES ARE TO AID BIDDER.
BIDDER TO VERIFY ALL QUANTITIES
PRIOR TO SUBMITTING PROPOSAL.

ESTIMATED QUANTITIES – TYPICAL FOR BENTS (2) & (3)

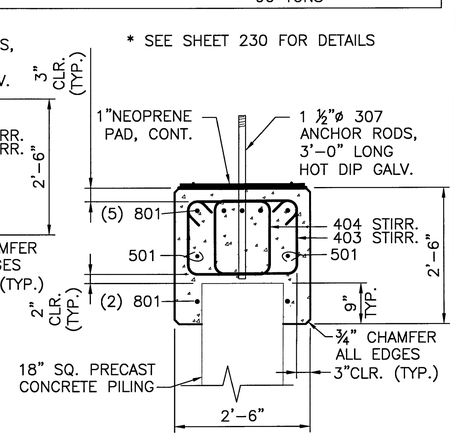
BAR	SIZE	NO. REQ'D.		UNIT LENGTH	TOTAL LENGTH	LOCATION
301*	#3	8	BENT 2 ONLY	4'-2"	33'-4"	LIGHT SUPPORT PEDESTAL
TOTAL #3 BARS			BENT 2 ONLY		33'-4" =	12.54 LBS.
401	#4	39	BENT 2 ONLY	7'-9"	302'-3"	STIRRUP, BETWEEN PILES
401	#4	42	BENT 3 ONLY	7'-9"	325'-6"	STIRRUP, BETWEEN PILES
402	#4	39	BENT 2 ONLY	7'-9"	302'-3"	STIRRUP, BETWEEN PILES
402	#4	42	BENT 3 ONLY	7'-9"	325'-6"	STIRRUP, BETWEEN PILES
403	#4	14		6'-5"	89'-10"	STIRRUP, ABOVE PILES
404	#4	14		6'-5"	89'-10"	STIRRUP, ABOVE PILES
405*	#4	5	BENT 2 ONLY	8'-9"	43'-9"	STIRRUP, END OF BENT
406*	#4	3	BENT 2 ONLY	2'-0"	6'-0"	SUPPORT BARS
TOTAL #4 BARS			BENT 2 ONLY		833'-11" =	557.06 LBS.
TOTAL #4 BARS			BENT 3 ONLY		830'-8" =	554.89 LBS.
501	#5	2	BENT 2 ONLY	39'-5"	78'-10"	STRAIGHT, LONGITUDINAL
501	#5	2	BENT 3 ONLY	38'-2"	76'-4"	STRAIGHT, LONGITUDINAL
TOTAL #5 BARS			BENT 2 ONLY		78'-10" =	82.23 LBS.
TOTAL #5 BARS			BENT 3 ONLY		76'-4" =	79.62 LBS.
801	#8	7	BENT 2 ONLY	39'-5"	275'-11"	STRAIGHT, LONGITUDINAL
801	#8	7	BENT 3 ONLY	38'-2"	267'-2"	STRAIGHT, LONGITUDINAL
802	#8	18		5'-10"	105'-0"	BETWEEN PILES
803	#8	7		4'-3"	29'-9"	PILE DOWELS
804*	#8	3	BENT 2 ONLY	7'-0"	21'-0"	STRAIGHT, LONGITUDINAL
805*	#8	2	BENT 2 ONLY	7'-0"	14'-0"	STRAIGHT, LONGITUDINAL
TOTAL #8 BARS			BENT 2 ONLY		445'-8" =	1,189.94 LBS.
TOTAL #8 BARS			BENT 3 ONLY		401'-11" =	1,073.12 LBS.
TOTAL DEFORMED REINFORCING STEEL			= 1841.77 LBS. (BENT 2) = 1707.63 LBS. (BENT 3)			
TOTAL CLASS A1 CONCRETE			= 9.24 CU.YDS. (BENT 2) = 8.95 CU. YDS. (BENT 3)			
18" SQ. PRECAST CONCRETE PILES– 7 PILES X 70 FT. LONG = 490 LIN.FT. (BENTS 2 AND 3)						
PILE DESIGN LOAD			= 90 TONS			



SECTION (1/214)

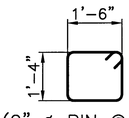
¾"=1'-0"

* SEE SHEET 230 FOR DETAILS



SECTION (2/214)

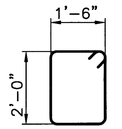
¾"=1'-0"



(2" ø PIN @ 135 DEGREE HOOK W/ 1 ⅞" O.R. WITH 3" EXTENSION)

403, 404

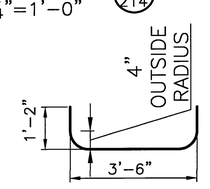
(2" ø PIN)
N.T.S.



(2" ø PIN @ 135 DEGREE HOOK W/ 1 ⅞" O.R. WITH 3" EXTENSION)

401, 402

(2" ø PIN)
N.T.S.



802

(6" ø PIN)
N.T.S.

NOTE:

1. COST OF 1½"ø A307 ANCHOR BOLTS AND NUTS INCLUDED IN COST OF THE STRUCTURAL METAL WORK.

STATE OF LOUISIANA
7/31/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SHEET NUMBER 209

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED CHECKED	DETAILED CHECKED	DATE SHEET
MAC DFB	RMM MAC	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

BENTS 2 & 3
PLAN & ELEVATION

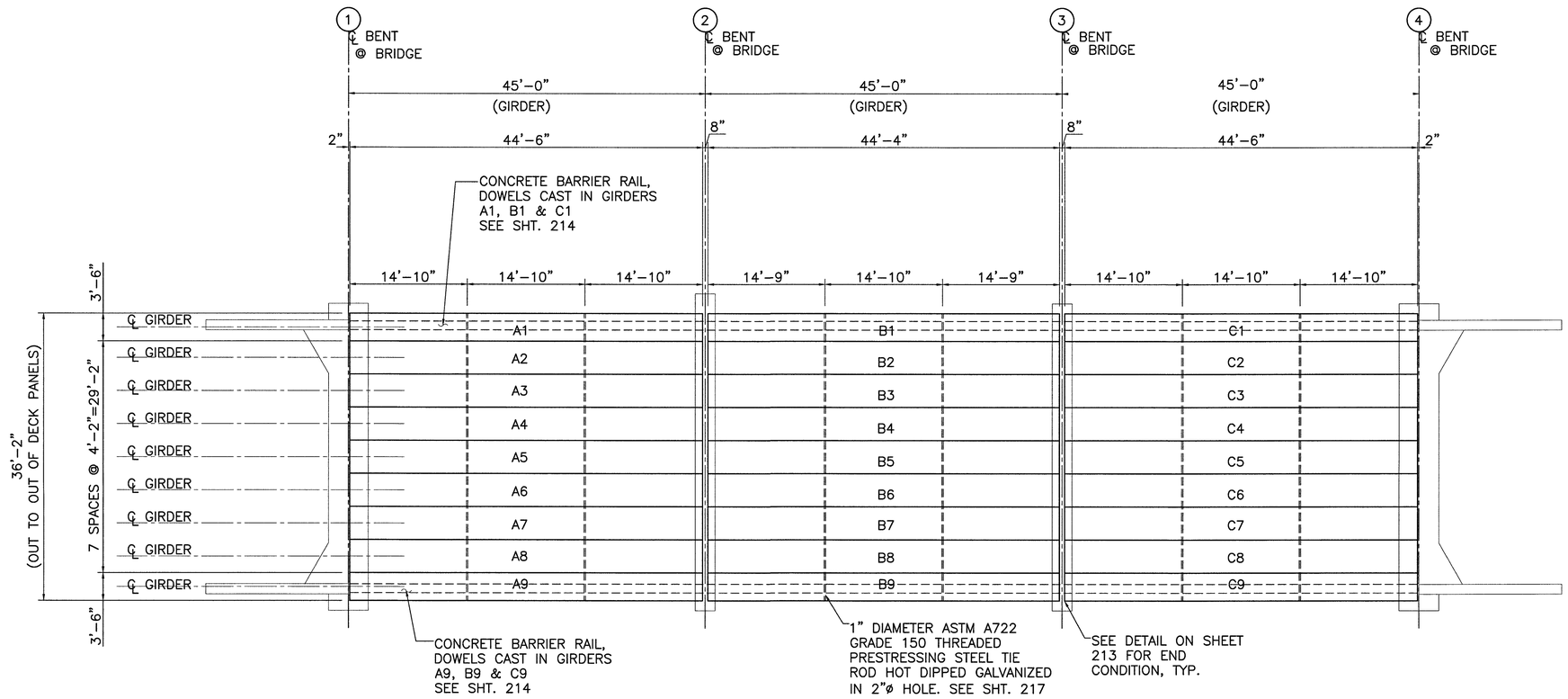
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

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07/31/2025 13:54



FRAMING PLAN – NORTH BRIDGE

⅛"=1'–0"

15TES:

1. FOR DECK PLAN SEE SHEET 215
2. FOR GIRDER CONNECTION DETAILS, SEE SHEET 213.
3. THREADED TIE ROD TO BE PAID UNDER STRUCTURAL METALWORK

SHEET NUMBER 210

PARISH JEFFERSON

CONTROL SECTION 000–26

STATE PROJECT H.007208

DESIGNED MAC
CHECKED
DETAILED DFB
CHECKED
DATE 07/18/25
SHEET BY

NO. DATE REVISION DESCRIPTION

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

FRAMING PLAN
NORTH BRIDGE

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

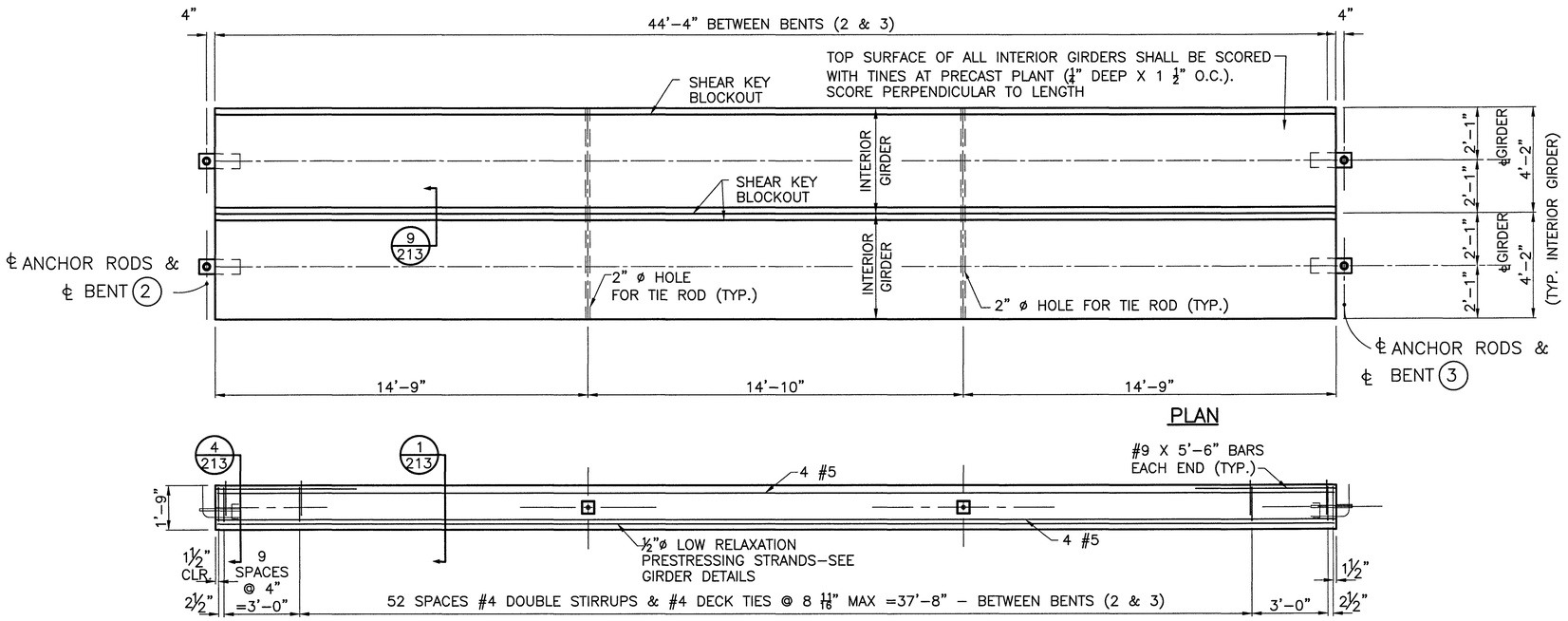
DOTD

PERRIN & CARTER, INC.

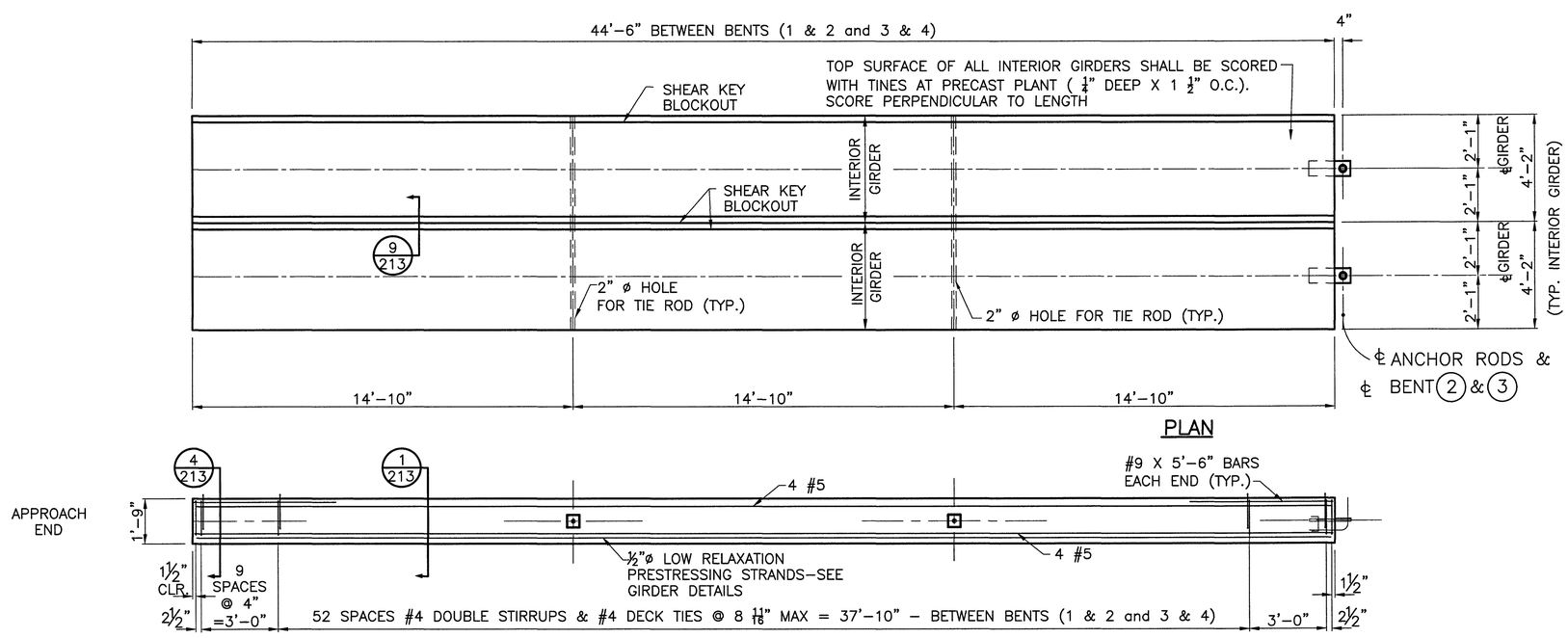
STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

07/24/2025 13:11

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45' NOMINAL SPAN INTERIOR ABUTTING INTERIOR SPAN
NTS



45' NOMINAL END SPAN THAT ABUTTS APPROACH
NTS

SHEET NUMBER	211
PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC
DETAILED / CHECKED	DFB
DATE / SHEET	07/18/25

REVISION DESCRIPTION | NO. | DATE | BY

PPC GIRDER
INTERIOR SPANS–ALL

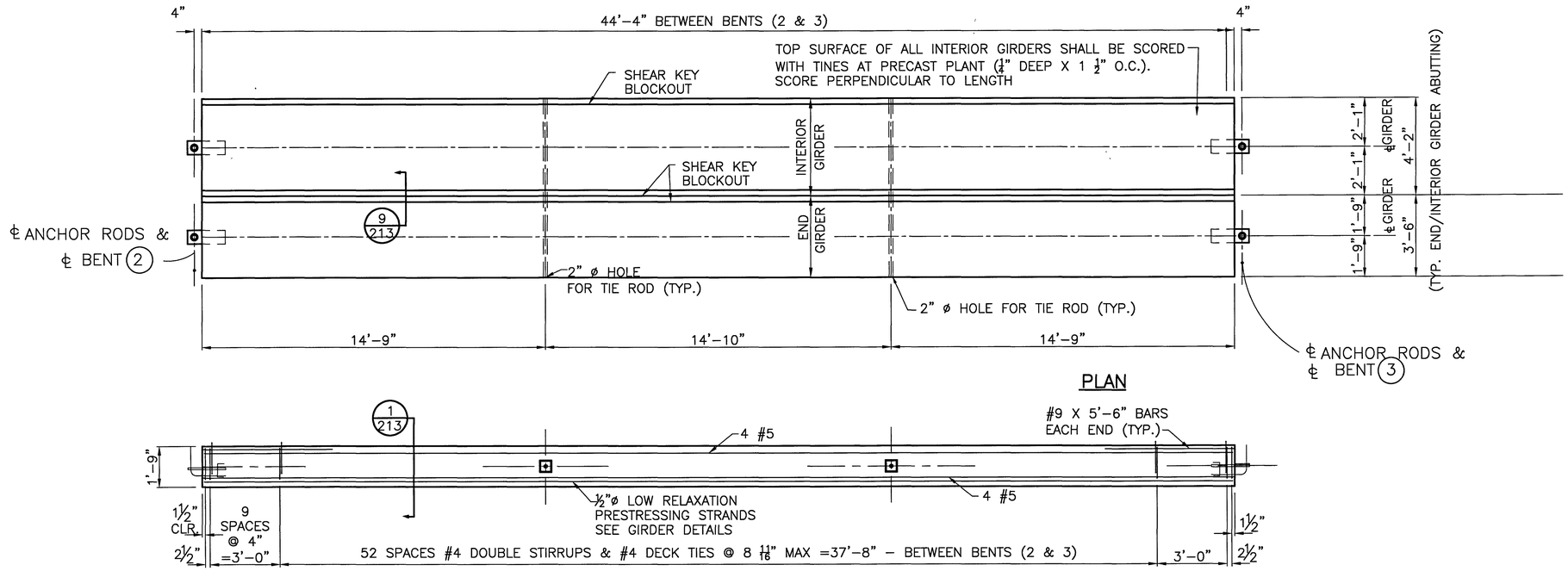
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

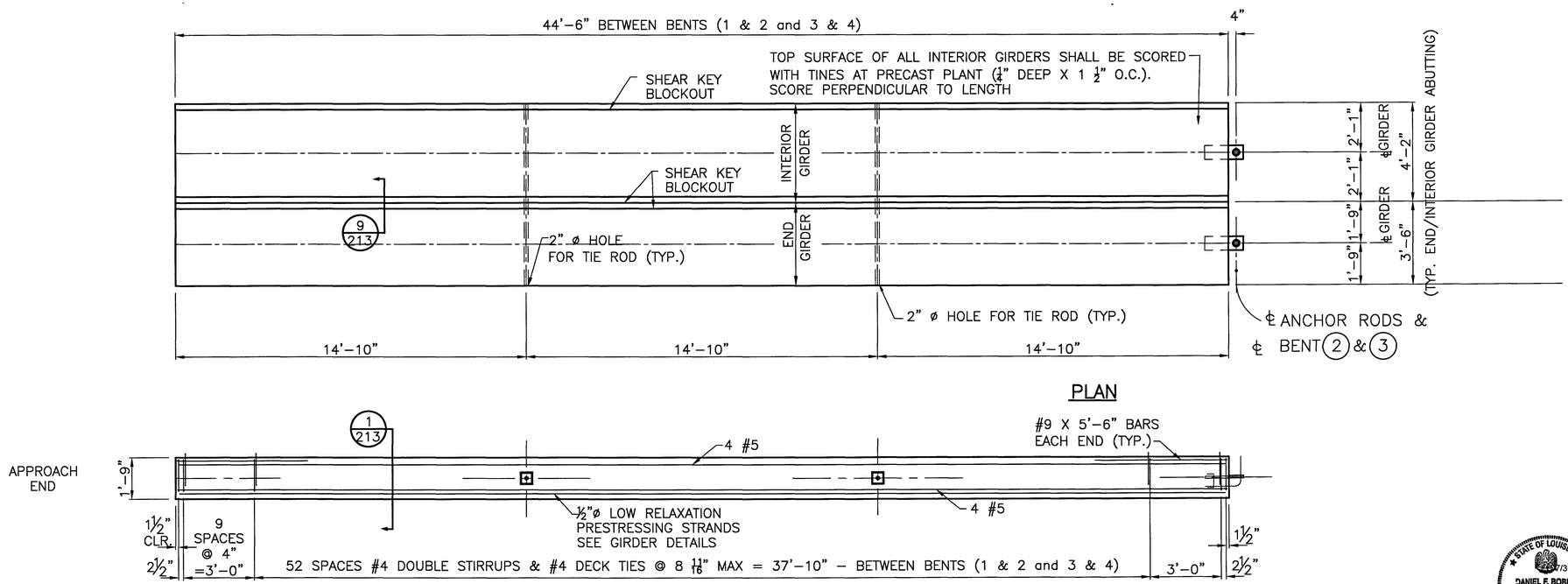
DOTD
PERRIN & CARTER, INC.

07/24/2025 10:19

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45' & NOMINAL SPAN EXTERIOR/INTERIOR GIRDERS SHOWN
NTS
(NORTH BRIDGE)



45' & NOMINAL END SPAN EXTERIOR/INTERIOR GIRDERS SHOWN THAT ABUTTS APPROACH
NTS
(NORTH BRIDGE)

STATE OF LOUISIANA
07/31/2025
DANIEL F. BOBECK
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IN
CIVIL ENGINEERING

SHEET NUMBER	212
PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC / DFB
DETAILED / CHECKED	RMM / MAC
DATE / SHEET	07/18/25

NO. | DATE | REVISION DESCRIPTION | BY

PPC GIRDER EXT/INT SPAN

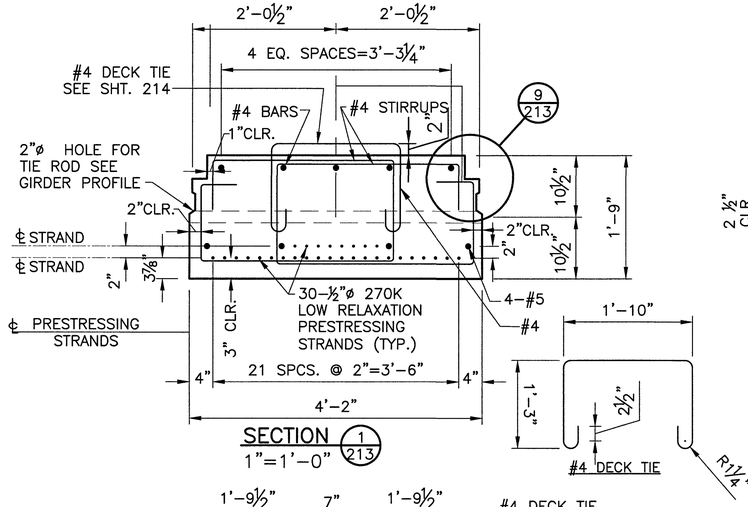
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

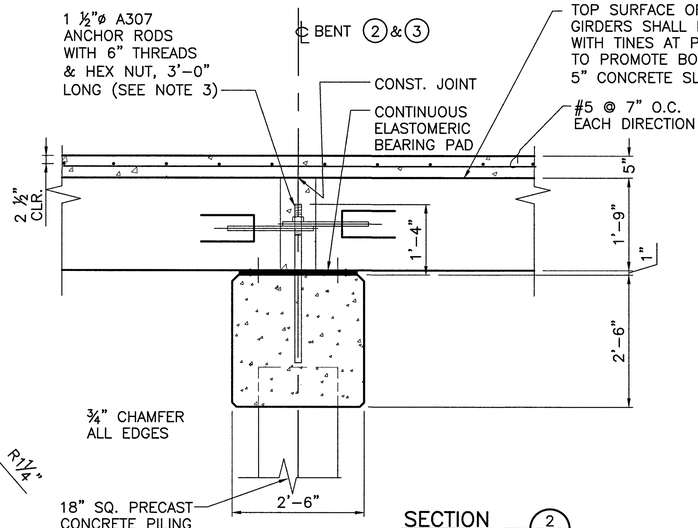
PERRIN & CARTER, INC.

07/31/2025 13:57

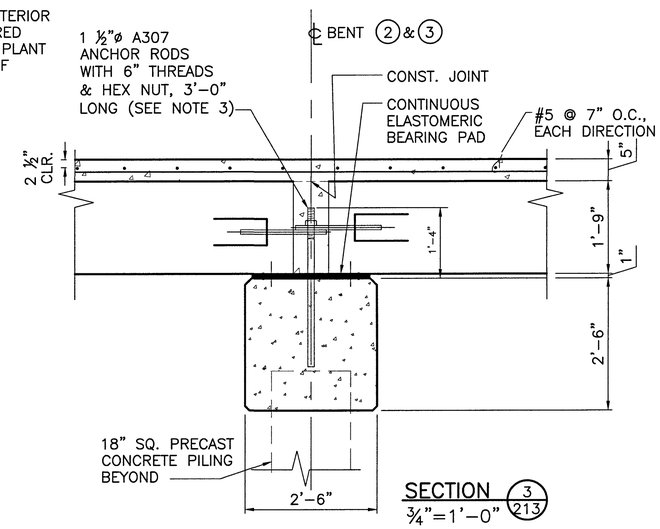
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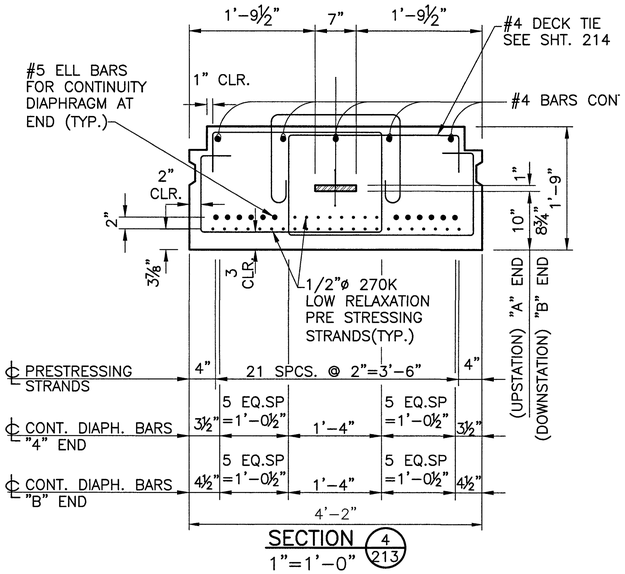
SECTION 1/213
1"=1'-0"



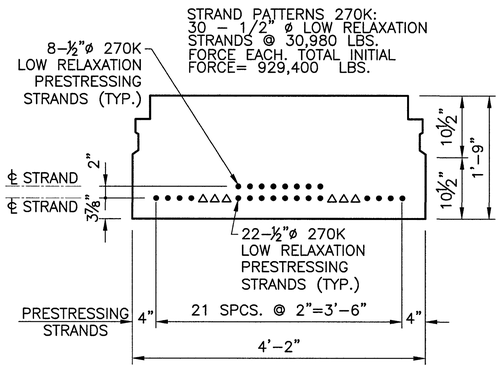
SECTION 2/213
¾"=1'-0"



SECTION 3/213
¾"=1'-0"



SECTION 4/213
1"=1'-0"



● - FULLY BONDED
△ - 5'-0" DEBOND AT ENDS

STRAND PATTERN FOR 44'-4" & 44'-6" INTERIOR GIRDERS ALL SPANS.
1"=1'-0"

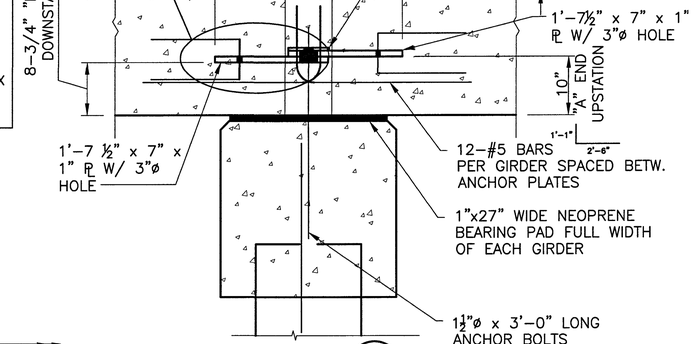
5/221

NOTES:

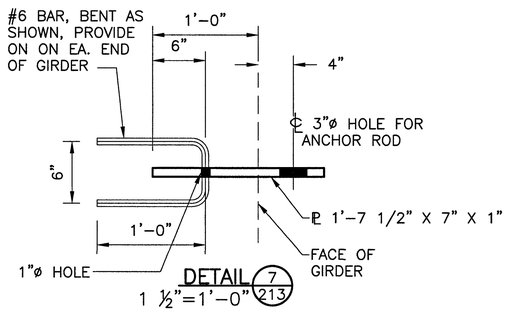
1. ELASTOMERIC BEARING PADS FOR GIRDER SEATS ARE PLACED TO FORM A CONTINUOUS PAD.

2. FOR ADDITIONAL DECK REINF. NOT SHOWN ON THIS DWG., SEE SHT. 215

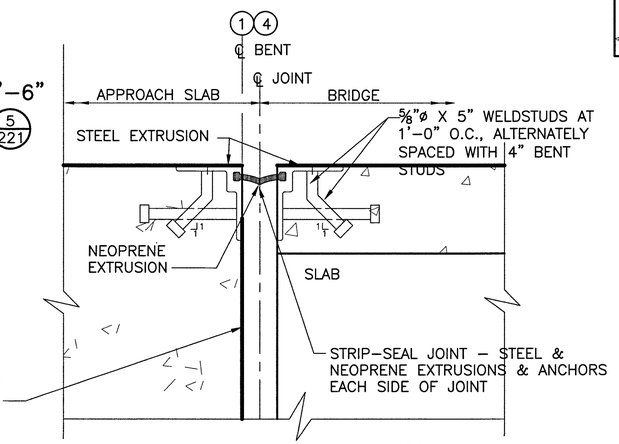
3. 1 ½"ø A307 ANCHOR BOLTS AND HEX NUTS INCLUDED IN COST OF THE STRUCTURAL METAL WORK.



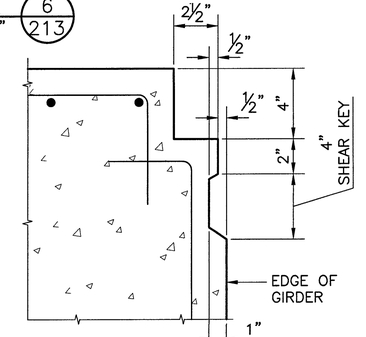
DETAIL 6/213
1"=1'-0"



DETAIL 7/213
1 ½"=1'-0"



SECTION - STRIP SEAL JOINT 8/213
3"=1'-0"



SECTION - SHEAR KEY 9/213
3"=1'-0"

STATE OF LOUISIANA
07/18/2025
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IN
CIVIL ENGINEERING

SHEET NUMBER	213
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC
DETAILED / CHECKED	DFB
DATE / SHEET	07/18/25
REVISION DESCRIPTION / NO. / DATE	BY

PPC GIRDER & CIP CAP DETAILS

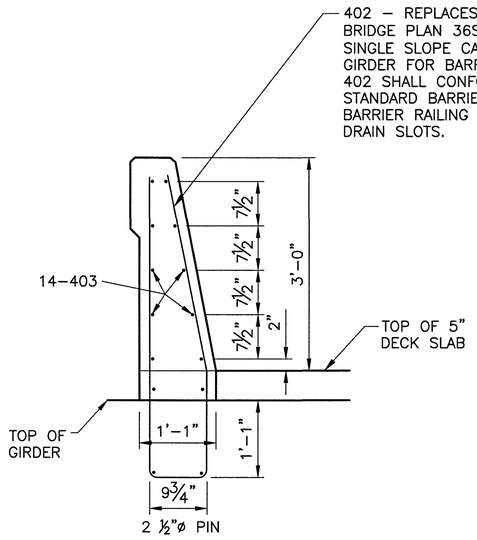
HARVEY BLVD EXT (PETERS RD-MANHATTAN)

DOTD

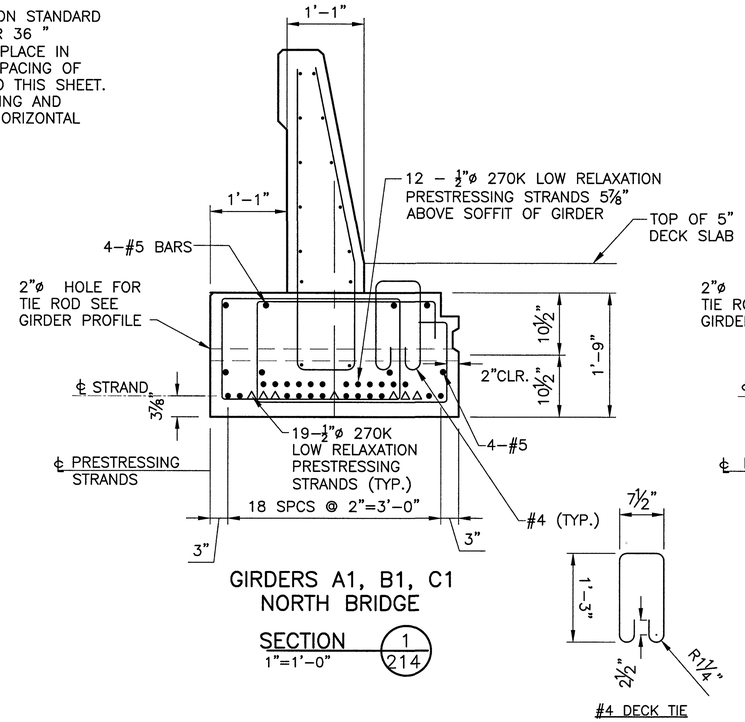
PERRIN & CARTER, INC.

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07/24/2025 10:22



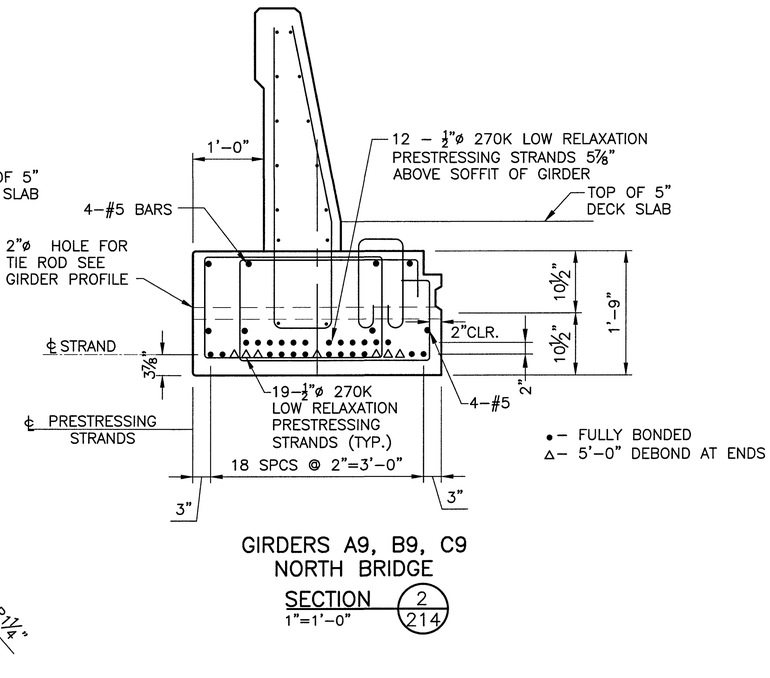
BAR DIAGRAM
NO. 4 BARRIER DOWEL &
LONGITUDINAL BARS



#4 DECK TIE

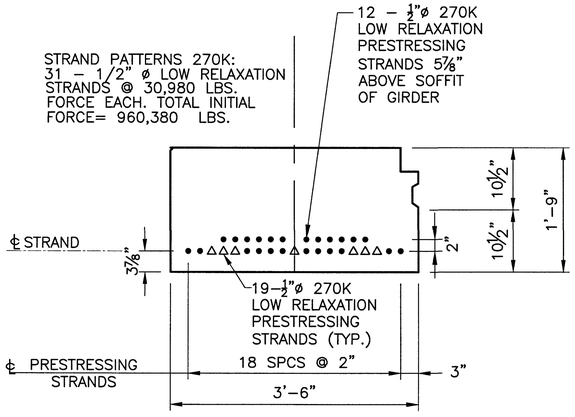
GIRDERS A1, B1, C1
NORTH BRIDGE

SECTION 1/214
1"=1'–0"



GIRDERS A9, B9, C9
NORTH BRIDGE

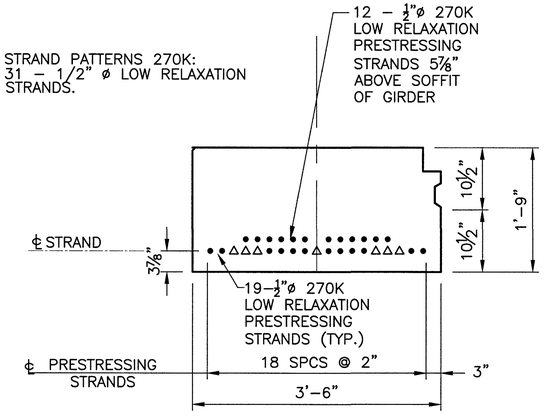
SECTION 2/214
1"=1'–0"



● – FULLY BONDED
△ – 5'–0" DEBOND AT ENDS

GIRDERS A1, B1, C1
NORTH BRIDGE

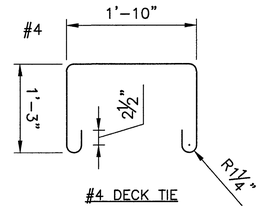
STRAND PATTERN FOR
45 FT. END GIRDER 3/214
1"=1'–0"



● – FULLY BONDED
△ – 5'–0" DEBOND AT ENDS

GIRDERS A9, B9, C9
NORTH BRIDGE

STRAND PATTERN FOR
45 FT. END GIRDER 4/214
1"=1'–0"



#4 DECK TIE

STATE OF LOUISIANA
07/18/2025
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CIVIL ENGINEERING

SHEET NUMBER 214

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MAC		DFB		07/18/25	

NO.	DATE	REVISION DESCRIPTION	BY

PPC GIRDER DETAILS
NORTH BRIDGE

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

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PERRIN & CARTER, INC.

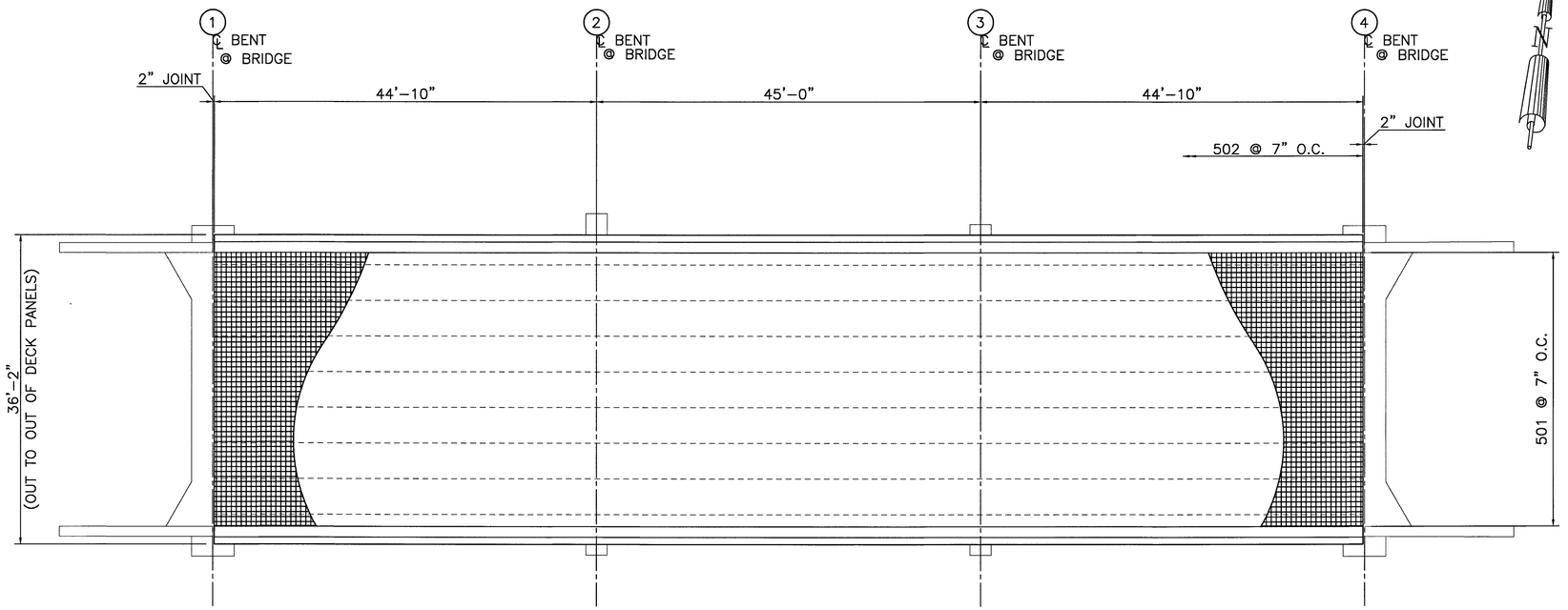
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07/24/2025 10:24

ESTIMATED QUANTITIES ARE TO AID BIDDER.
BIDDER TO VERIFY ALL QUANTITIES
PRIOR TO SUBMITTING PROPOSAL.

BRIDGE–EST. QUANTITIES(Cast–in–Place Deck)

BAR	SIZE	NO. REQ'D.	UNIT LENGTH	TOTAL LENGTH	LOCATION
501	#5	55	140'–2 1/2"	7711'–5–1/2"	2–60' BARS & 1–20'–2 1/2"BAR = 140'–2 1/2" UNIT LINE WHEN USING 2–3FT. LAPS PER LINE
502	#5	231	31'–8"	7315'–0"	TRANSVERSE
TOTAL #5 BARS				15,026'–5–1/2" =	15,672.59 LBS.

TOTAL DEFORMED REINFORCING STEEL	= 15,672.59 LBS.
TOTAL CLASS A1 CONCRETE	= 66.5 CU. YDS.
STRIP SEAL JOINT	= 70 LIN. FT.



DECK REINFORCING PLAN–NORTH BRIDGE
⅛" = 1'–0"

STATE OF LOUISIANA
07/31/2025
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SHEET NUMBER 215

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MAC	DFB	RMM	MAC	07/18/25	

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DECK REINFORCING PLAN
BRIDGE

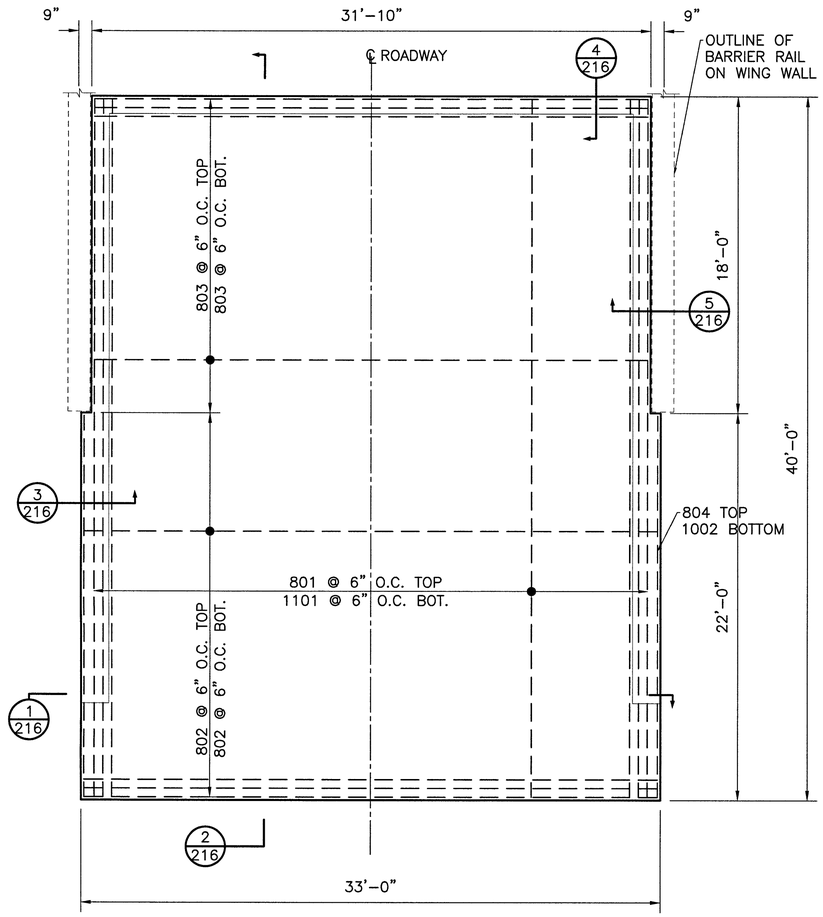
HARVEY BLVD EXT (PETERS RD–MANHATTAN)

DOTD

PERRIN & CARTER, INC.

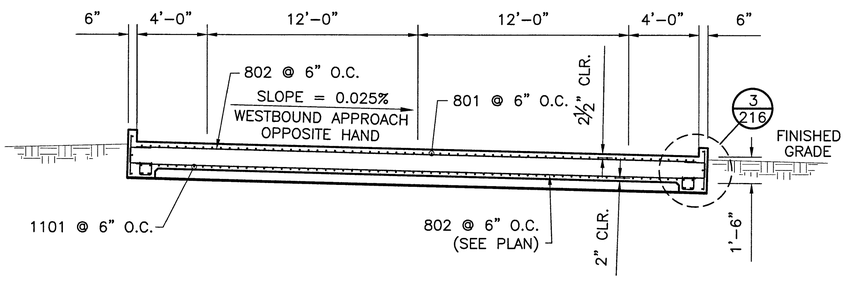
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07/31/2025 13:58



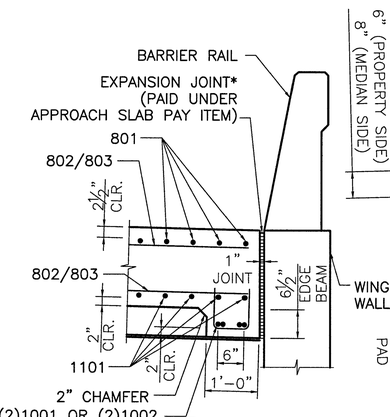
APPROACH SLAB – STEEL REINFORCEMENT PLAN

¼" = 1'–0"



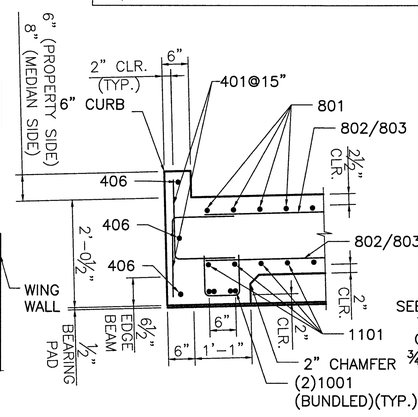
1 216 SECTION–WEST BOUND (LOOKING WEST)

¼" = 1'–0"



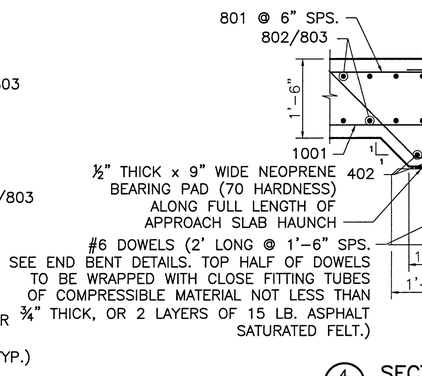
5 216 SECTION

¾" = 1'–0"



3 216 SECTION

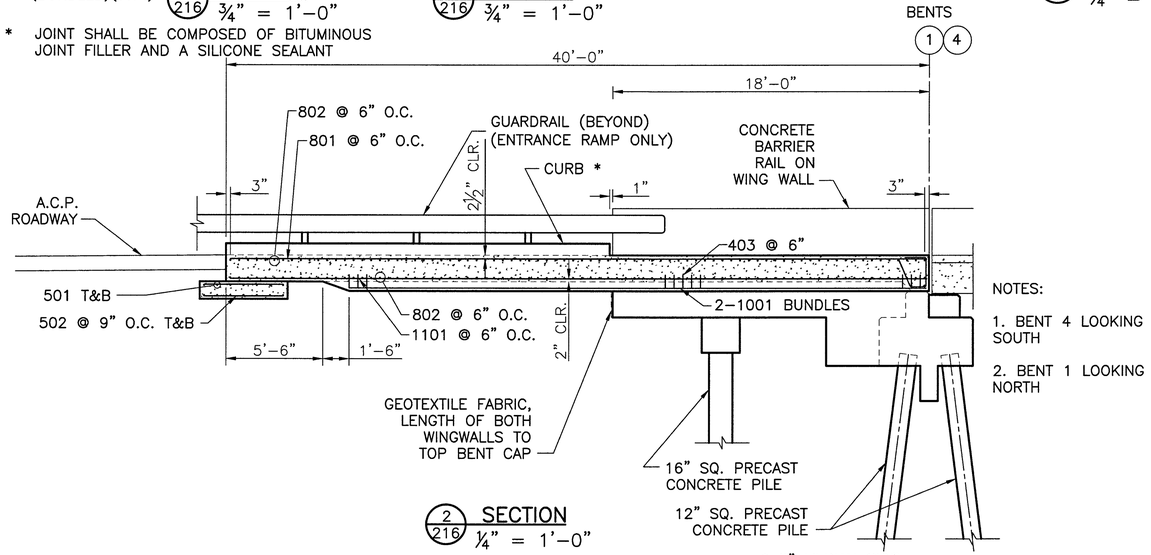
¾" = 1'–0"



4 216 SECTION

¾" = 1'–0"

* JOINT SHALL BE COMPOSED OF BITUMINOUS JOINT FILLER AND A SILICONE SEALANT



2 216 SECTION

¼" = 1'–0"

NOTES:

1. BENT 4 LOOKING SOUTH
2. BENT 1 LOOKING NORTH

ESTIMATED QUANTITIES – ONE 40 FOOT APPROACH SLAB						
BAR	SIZE	NO. REQ'D.		UNIT LENGTH	TOTAL LENGTH	LOCATION
401	#4	36		2'–7"	93'–0"	DOWELS IN CURB
402	#4	2		31'–6"	63'–0"	BEAM AT BENT
403	#4	138		2'–2"	299'–0"	STIRRUPS IN EDGE BEAM
405	#4	43		5'–6"	236'–6"	STIRRUPS IN HAUNCH
406	#4	6		21'–10"	131'–0"	CURB LONGITUDINAL
		TOTAL #4 BARS			822'–6" =	549.43 LBS.
501	#5	14		32'–8"	457'–4"	SLEEPER TOP & BOT.
502	#5	108		4'–8"	504'–0"	SLEEPER TOP & BOT.
		TOTAL #5 BARS			961'–4" =	1002.68 LBS.
801	#8	64		39'–8"	2538'–8"	TOP LONGITUDINAL
802	#8	90		32'–8"	2940'–0"	T&B TRANSVERSE
803	#8	74		31'–6"	2331'–0"	T&B TRANSVERSE
804	#8	2		21'–8"	43'–4"	TOP LONGITUDINAL
		TOTAL #8 BARS			7853'–0" =	20967.51 LBS.
1001	#10	8		32'–10"	262'–8"	BUNDLE
1002	#10	2		21'–8"	43'–4"	BOTTOM LONGITUDINAL
		TOTAL #10 BARS			306'–0" =	1315.80 LBS.
1101	#11	64		39'–8"	2538'–8"	BOTTOM LONGITUDINAL
		TOTAL #11 BARS			2538'–8" =	13487.95 LBS.
TOTAL DEFORMED REINFORCING STEEL						= 37323.37 LBS.
CONCRETE APPROACH SLAB						= 1305 SQ. FT.
QUANTITIES SHOWN ARE FOR ONE 40 FOOT APPROACH SLAB						

SHEET NUMBER 216

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26	H.007208

DESIGNED	DETAILED	DATE
MAC	DFB	07/18/25
CHECKED	CHECKED	SHEET

NO. | DATE | BY | REVISION DESCRIPTION

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

APPROACH SLAB/
DETAILS NORTH BRIDGE

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

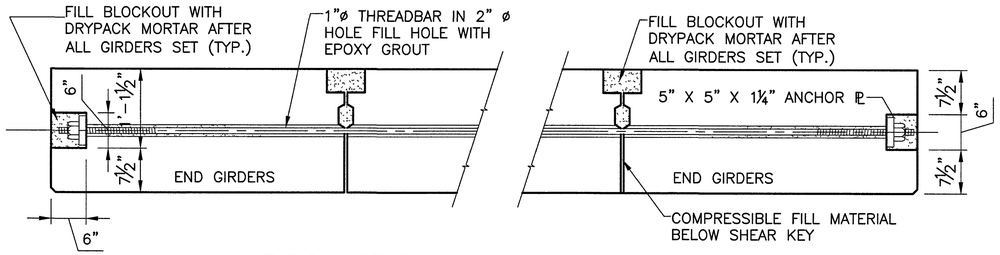
DOTD

PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
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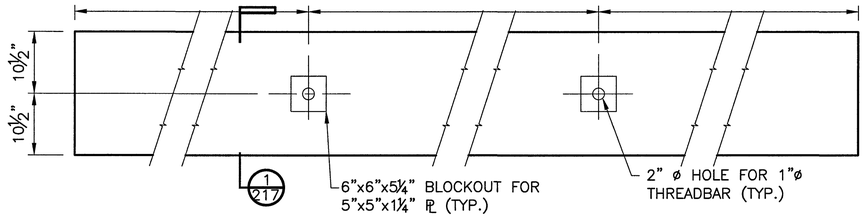
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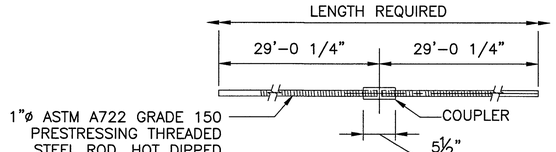
NOTE: NO DIRECT PAY FOR MORTAR, GROUT, OR COMPRESSIBLE FILL MATERIAL. INCLUDE IN COST FOR 45 FT. GIRDER PAY ITEM

TYPICAL SECTION – TIE–ROD @ GIRDERS (1/217)
1" = 1'–0"

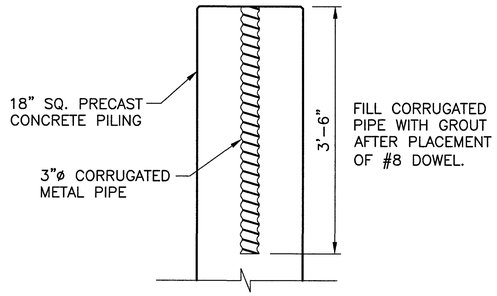
FOR LOCATION OF TIE ROD BLOCKOUTS, SEE SHT. 216 & 217



GIRDER ELEVATION TIE ROD BLOCKOUTS GIRDERS
A1,B1,C1 (NORTH BRIDGE)
A9,B9,C9 (NORTH BRIDGE)
1" = 1'–0"



TIE ROD COUPLING DETAIL
1" = 1'–0"



BENT 2 AND 3 PILE DOWEL DETAIL
1" = 1'–0"

SHEET NUMBER 217

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000–26	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
MAC		DFB		07/18/25	

NO.	DATE	REVISION DESCRIPTION

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

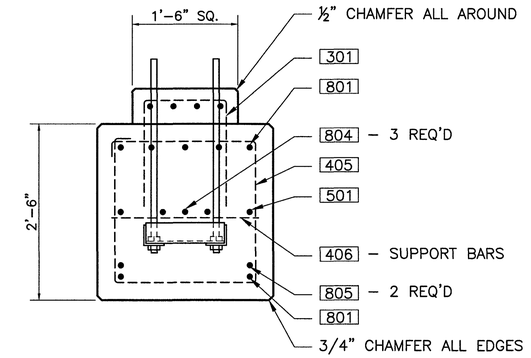
MISCELLANEOUS DETAILS

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

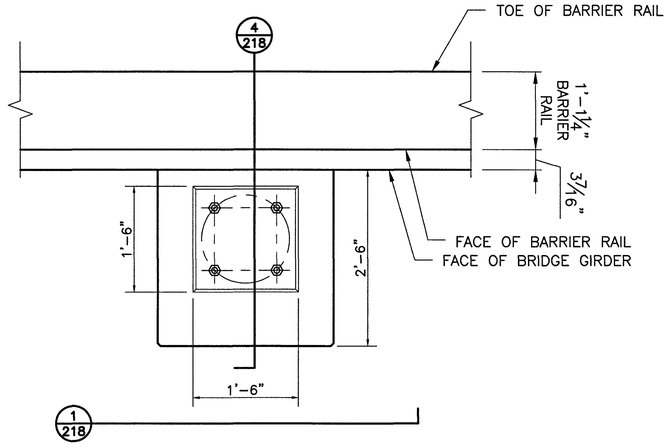
DOTD
PERRIN & CARTER, INC.

Drawing Path: C:\Users\cartern\OneDrive – Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\struct\BRIDGE\03011–217.dwg 07.24.2025 10:34:03

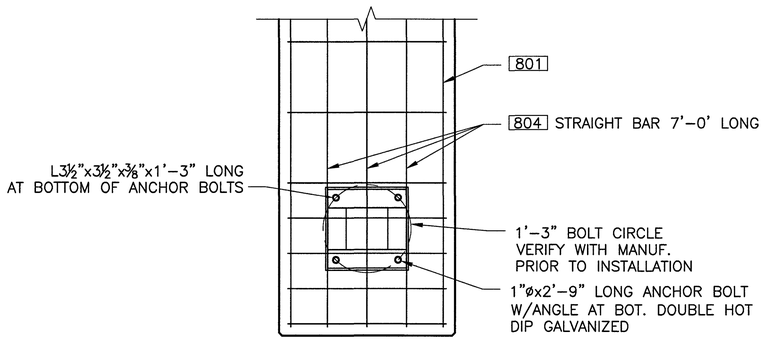
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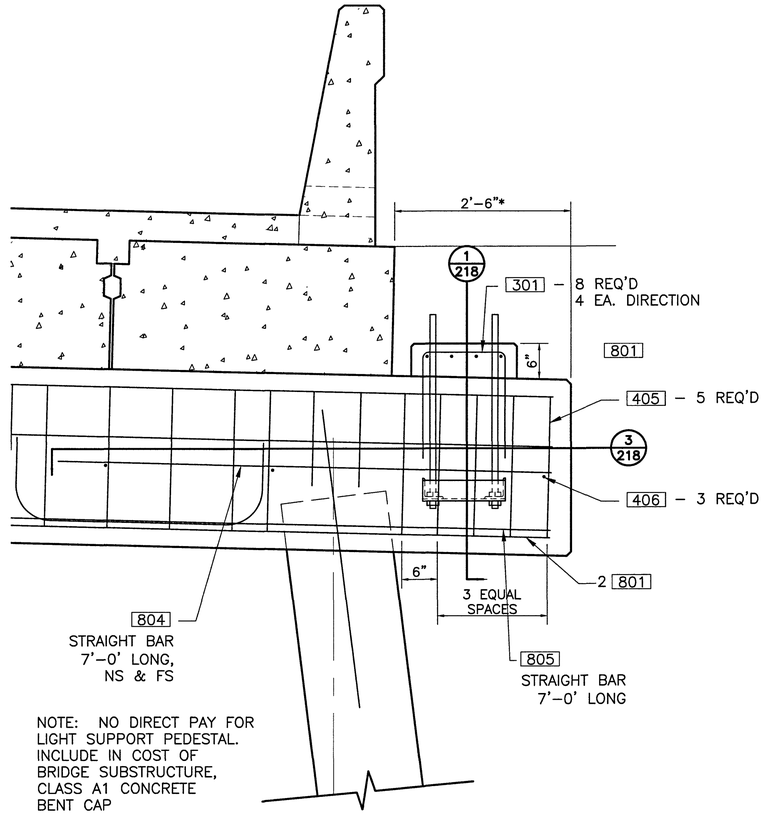
SECTION–CAP @ LIGHT PEDESTAL
1" = 1'–0"
1/218



PLAN–LIGHT SUPPORT PEDESTAL
1" = 1'–0"
2/230



SECTION–ANCHOR BOLT PLAN
1" = 1'–0"
3/218

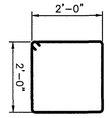


NOTE: NO DIRECT PAY FOR LIGHT SUPPORT PEDESTAL. INCLUDE IN COST OF BRIDGE SUBSTRUCTURE, CLASS A1 CONCRETE BENT CAP

SECTION–CAP AT LIGHT SUPPORT PEDESTAL
1" = 1'–0"
4/218



301
(1" ø PIN)
N.T.S.



ADD 4–1/2" FOR EACH HOOK

405
(2" ø PIN)
N.T.S.

* EXTENDED GIRDER END AT:
NORTH END – LINE 2 OF NORTH BRIDGE

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	218
PARISH	JEFFERSON
CONTROL SECTION	000–26
STATE PROJECT	H.007208
DESIGNED / CHECKED	MAC
DETAILED / CHECKED	DFB
DATE / SHEET	07/18/25

REVISION DESCRIPTION | BY | NO. | DATE

LIGHT SUPPORT DETAILS–BENT 2

HARVEY BLVD EXT (PETERS RD–MANHATTAN)

PERRIN & CARTER, INC.

07/24/2025 10:35

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SUMMARY OF SURFACE FINISH QUANTITIES

STRUCTURE COMPONENTS	CLASS 2 (SQ. FT.) (805-18-00100)	CLASS 3 (SQ. FT.) (805-18-00200)	LOCATION (STATIONS, BENT NOS., SPAN NOS., (ETC.)
STRUCTURE RECALL NO. 000448			WATER SURFACE ELEVATION = 13.58 △
BRIDGE RAILING	2416.68	2416.68	STA. 19+12.75 TO STA. 20+83.33
BACKWALL	N/A	N/A	
WINGWALL		252.83	
ABUTMENT CAP		N/A	
DECK / SLAB		N/A	
EXTERIOR GIRDER		N/A	
BENT CAP / PIER CAP		580.05	BENTS 2 & 3
COLUMN		N/A	
TOWER		N/A	
PILES		N/A	
DRILLED SHAFTS		N/A	
FOOTINGS		N/A	
OPERATOR'S HOUSE		N/A	
SUBTOTAL:	2416.68	3249.56	
MISCELLANEOUS ITEMS			
PERMANENT BARRIER (ON BRIDGE ONLY)	N/A	N/A	
PIER PROTECTION (USING BARRIER)	N/A	N/A	
HANDRAILING	N/A	N/A	
RETAINING WALL	N/A	N/A	
SUBTOTAL:	0	0	

TOTAL CONCRETE FINISH (CLASS 2) (ITEM NO. 805-18-00100) = 2416.68 SQFT
TOTAL CONCRETE FINISH (CLASS 3) (ITEM NO. 805-18-00200) = 3249.56 SQFT

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

SHEET NUMBER 219

PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208

DESIGNED MAC
CHECKED
DETAILED DFB
CHECKED
DATE 07/18/25
SHEET

REVISION DESCRIPTION | BY | NO. | DATE

DOTD

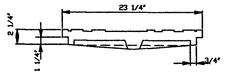
CONCRETE SURFACE FINISH
(CLASS 2 & CLASS 3)
BD.2.11.10.0.01-CONCRETE SURFACE FINISHES

HARVEY BLVD EXT (PETERS RD-MANHATTAN)

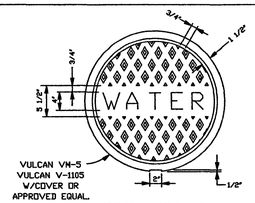
PERRIN & CARTER, INC.

STATE OF LOUISIANA

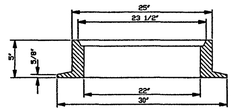
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07/24/2025 13:08



COVER SECTION
N.T.S.

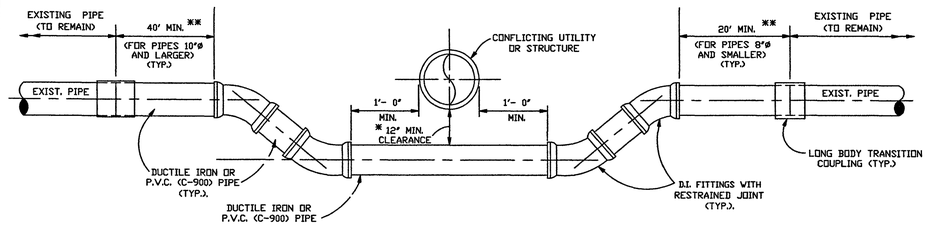


FRAME COVER
N.T.S.



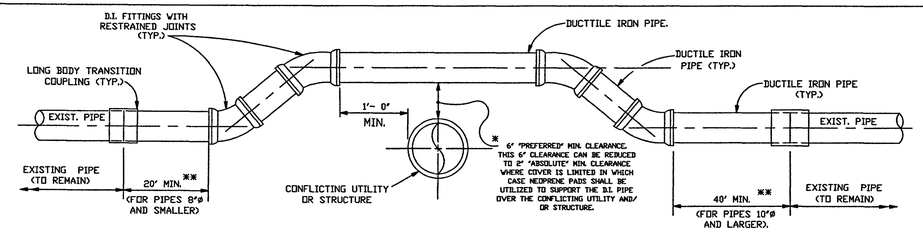
FRAME SECTION
N.T.S.

MANHOLE COVER
N.T.S.



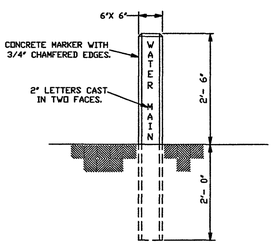
TYPICAL VERTICAL (UNDER) OR HORIZONTAL OFFSET DETAILS
FOR WATER AND SEWER FORCE MAINS
N.T.S.

* EXCEPTION. MINIMUM CLEARANCE SHALL BE 18" BETWEEN POTABLE WATER AND SANITARY SEWER LINES.
** REQUIRED MIN. RESTRAINED LENGTH.

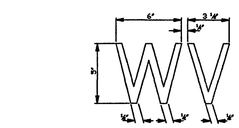


TYPICAL VERTICAL (OVER) OFFSET DETAILS
FOR WATER AND SEWER FORCE MAINS.
N.T.S.

* EXCEPTION. MINIMUM CLEARANCE SHALL BE 18" BETWEEN POTABLE WATER AND SANITARY SEWER LINES.
** REQUIRED MIN. RESTRAINED LENGTH.

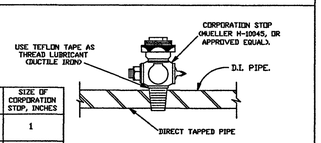


MARKER FOR WATER MAINS 14" AND ABOVE
N.T.S.



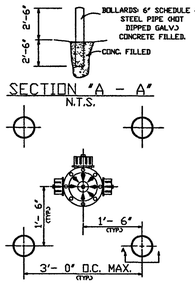
TO BE PLACED IN FACE OF NEW CURB AT EVERY VALVE.

VALVE MARKER
N.T.S.



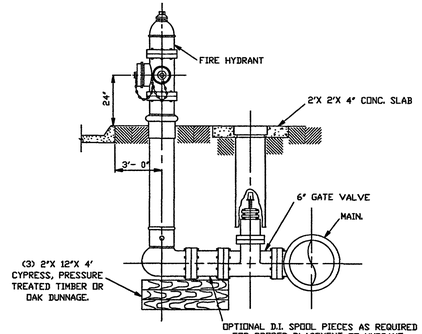
NORINAL PIPE SIZE, INCHES	SIZE OF CORPORATION STOP, INCHES
16" AND SMALLER	1
18" THROUGH 36"	2
LARGER THAN 36"	3

TYPICAL AIR VALVE INSTALLATION
N.T.S.

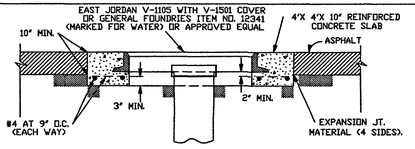


SECTION "A - A"
N.T.S.

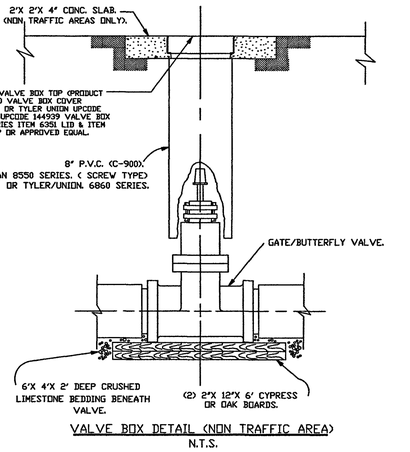
BOLLARDS FOR FIRE HYDRANTS
TO PROTECT FROM TRAFFIC
N.T.S.



FIRE HYDRANT ASSEMBLY DETAIL
N.T.S.

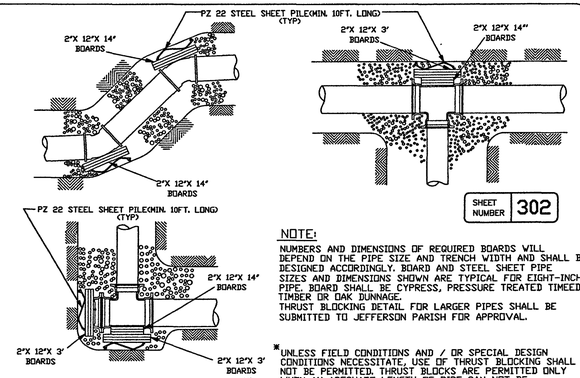


VALVE BOX MANHOLE COVER FOR TRAFFIC AREAS.
N.T.S.



VALVE BOX DETAIL (NON TRAFFIC AREA)
N.T.S.

MIN. COVER		PIPE SIZE (IN.)
3 FT.		8-10
4 FT.		>,12

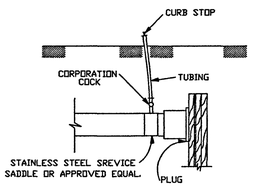


THRUST BLOCKING DETAILS *
N.T.S.

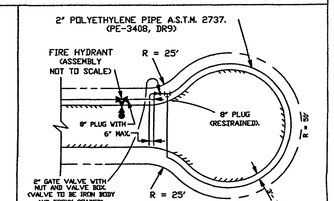
SHEET NUMBER 302

NOTE:
NUMBERS AND DIMENSIONS OF REQUIRED BOARDS WILL DEPEND ON THE PIPE SIZE AND TRENCH WIDTH AND SHALL BE DESIGNED ACCORDINGLY. BOARD AND STEEL SHEET PILE SIZES AND DIMENSIONS SHOWN ARE TYPICAL FOR EIGHT-INCH PIPE. BOARD SHALL BE CYPRESS, PRESSURE TREATED TIMEED TIMBER OR OAK DUNNAGE. THRUST BLOCKING DETAIL FOR LARGER PIPES SHALL BE SUBMITTED TO JEFFERSON PARISH FOR APPROVAL.

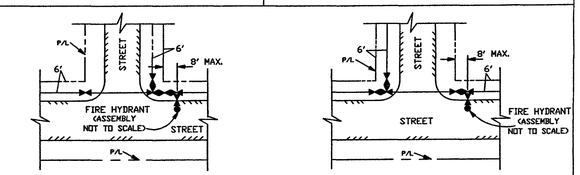
* UNLESS FIELD CONDITIONS AND / OR SPECIAL DESIGN CONDITIONS NECESSITATE, USE OF THRUST BLOCKING SHALL NOT BE PERMITTED. THRUST BLOCKS ARE PERMITTED ONLY WHEN AN ADEQUATE LENGTH OF PIPE CAN NOT BE RESTRAINED DUE TO FIELD CONDITIONS AND/OR FOR TEMPORARY CONSTRUCTION.



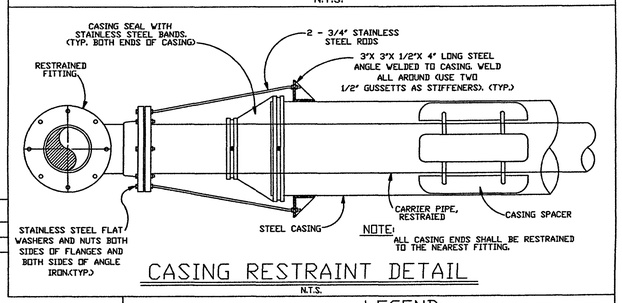
TEMPORARY BLOW-OFF DETAIL



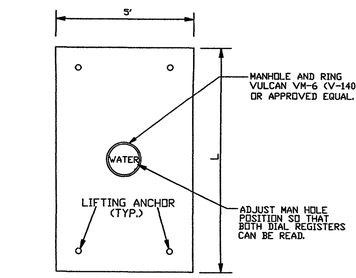
CUL-DE-SAC DETAIL



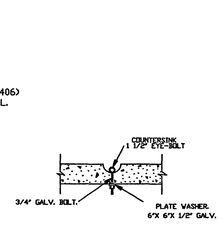
TYPICAL FIRE HYDRANT AND VALVE LOCATIONS AT INTERSECTIONS
N.T.S.



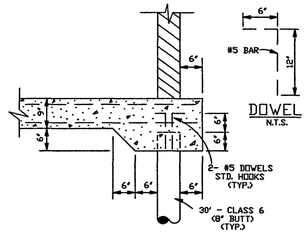
CASING RESTRAINT DETAIL
N.T.S.



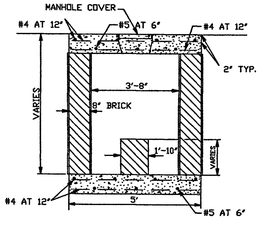
TOP VIEW
N.T.S.



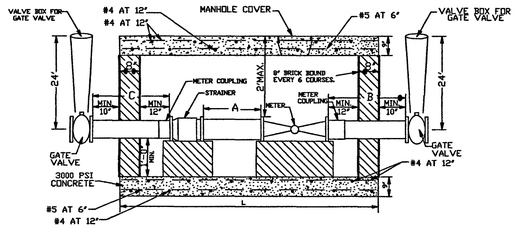
LIFT-RING DETAIL FOR EYE-HOOKS
N.T.S.



CORNER DETAIL WHERE
PILE REQUIRED
N.T.S.



FRONT VIEW
N.T.S.



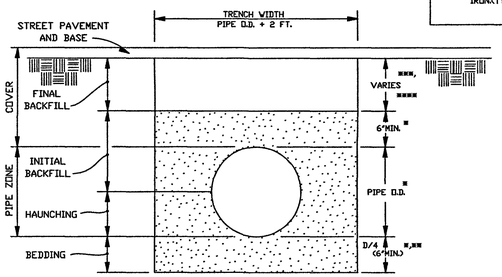
SIDE VIEW
N.T.S.

BRICK METER BOX FOR 4" AND LARGER METERS

PRECAST METER BOX OPTION SECIFICATIONS:

- SELF-CONSOLIDATING CONCRETE CONTAINING ADMIXTURES MEETING ASTM C494 TYPE A TO ENSURE UNIFORM SUSPENSION OF AGGREGATES THROUGHOUT.
- CONCRETE STRENGTH - 5,000 PSI (MIN.) @28 DAYS.
- REINFORCING STEEL: #4,5, AND 6 BAR PER ASTM A-615, GRADE 60.
- ASTM-A48 C-35 H-20/AASHTO M-306.
- LIFTING ANCHOR BY A.L.PATTERSON, INC. MODEL#LUA64G (OR APPROVED EQUAL) WITH MINIMUM SAFE WORKING LOAD OF 4,460 LBS PER ANCHOR.
- SHOP DRAWINGS MUST BE SUBMITTED TO JEFFERSON PARISH FOR APPROVAL.

Meter Size	Approximate Meter Length (in.)	Approximate Strainer Length (in.)	Min. A (in.)	Min. B (in.)	Min. C (in.)	Min. L (in.)	Min. L (Ft. - In.)
4"	20	20	20	30	30	98	8'-2"
6"	24	24	30	30	30	116	9'-8"
8"	30	30	40	40	30	143	11'-11"



WATER AND SEWER FORCE MAIN STANDARD TRENCH DETAIL
FOR D.I., PVC-C900, PVC-C905 AND HDPE(MIN.THICKNESS, DR.17) PIPES
N.T.S.

NOTES:
* COMPACTED SAND, ASTM 2321 CLASS II (SW OR SP) MIN. DENSITY 90% STANDARD PROCTOR (ASTM D698) 6" MAX LAYERS.
** PROVIDE BELL HOLES AT EACH JOINT.
*** SELECT EXCAVATED MATERIAL FREE OF STUMPS, DEBRIS AND VOIDS (CANAL BANKS ONLY).
**** RIVER SAND WITHIN THE STREETS RIGHT-OF-WAY MIN. DESITY 95% STANDARD PROCTOR (ASTM D698)

NOTES:
1. WHERE GROUND WATER OR UNSTABLE TRENCH BOTTOM EXISTS, TRENCH BOTTOM SHALL BE STABILIZED (ASTM D2321) TO PROVIDE A WORKING PLATFORM.
2. TRENCH DETAIL SHOWN WILL BE MIN. REQUIREMENTS TO SAFEGUARD THE INTEGRITY OF THE WATER LINE INSTALLATION AT HEREIN-SPECIFIED DEPTHS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SHEETING AND BRACING TO PROVIDE SAFE WORKING CONDITIONS FOR HIS WORKMEN.

LEGEND:

EXISTING	PROPOSED	DESCRIPTION
		TEE, VALVE AND FIRE HYDRANT ASSEMBLY. (FLANGED OR RESTRAINED MECHANICAL JOINT)
		GATE VALVE.
		BUTTERFLY VALVE.
		CROSS.
		TEE.
		TAPPING SLEEVE AND VALVE.
		REDUCER.
		BEND

ORIGINAL 05/21/96

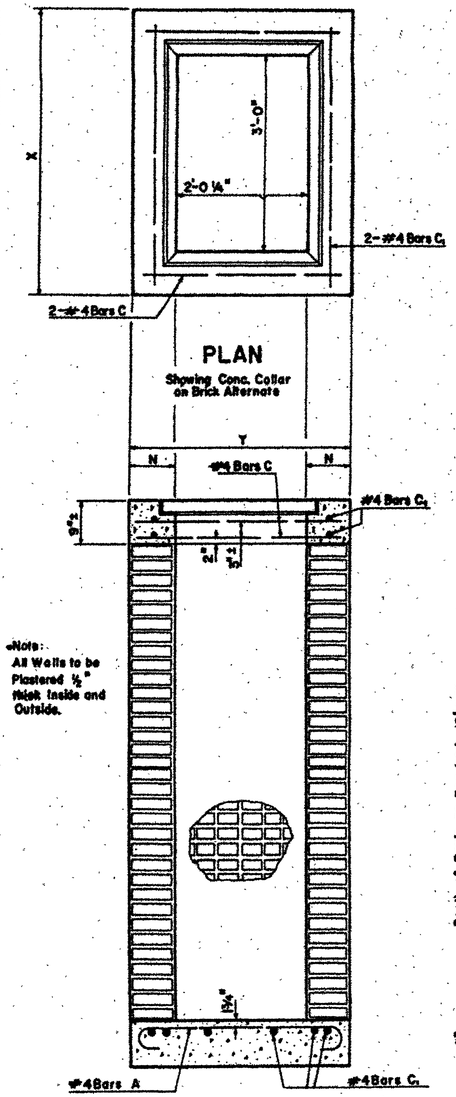
JEFFERSON PARISH
DEPARTMENT OF ENGINEERING

DRAWING TITLE
WATER AND SEWER FORCE MAIN STANDARD DETAILS

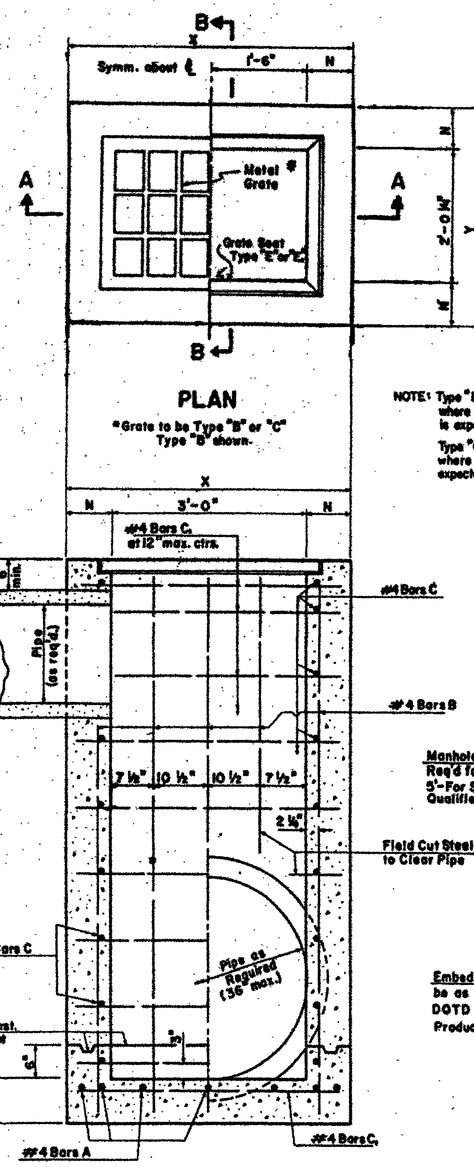
REVISED BY J.C.	DATED 03/07/12		
REVISED BY J.C.	DATED 01-08-15		
REVISED BY ---.	DATED ----		
REVISED BY ----	DATED ----		
DRAWN BY H.J.W.	DATED 05/21/96	REVISED BY H.J.W.	DATED 02/20/03
REVISED BY P.D.	DATED 02/09/04	DXF TO AUTOCAD-LT BY H.J.W.	DATED 02/11/04
REVISED BY J.L.	DATED 03/12/07	CHECKED BY R.M.	DATED 08/24/09
REVISED BY CHS	DATED 01/30/09	REVISED BY CHS	DATED 08/24/09
USED AUTOCAD 2000/LT. 2000		VIA WATER1(2000).DWG	
FILE NUMBER 1746D			

SHEET NO. 1 OF 1

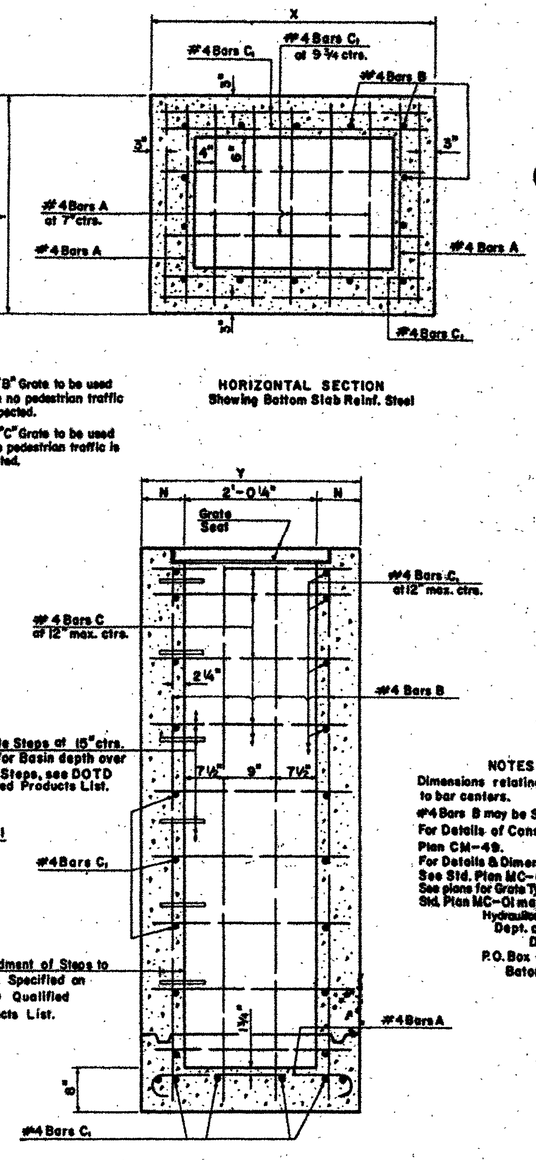
PARISH	SHEET NO.
JEFFERSON	



SECTION B-B
Brick Alternate
Details not Shown, same as Concrete Basin



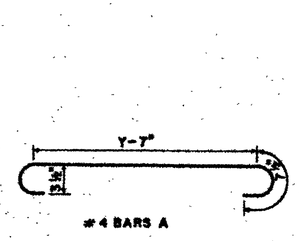
SECTION A-A



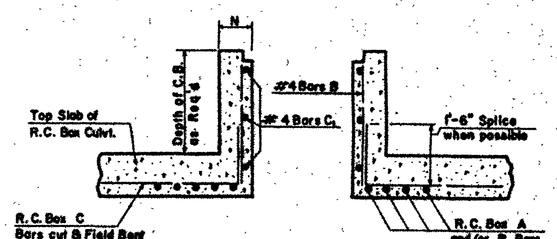
SECTION B-B

NOTE: Type "B" Grate to be used where no pedestrian traffic is expected.
Type "C" Grate to be used where pedestrian traffic is expected.

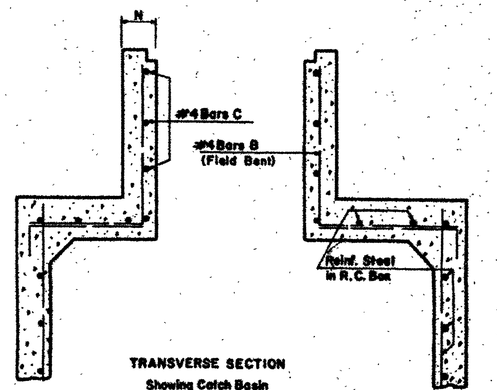
HORIZONTAL SECTION
Showing Bottom Slab Reinf. Steel



DIMENSIONS				
	Depth of Basin	N	X	Y
		Inch	Ft.-In.	Ft.-In.
Brick	0-7'	8	4-4	3-4½
	7.1'-12'	12	5-0	4-0½



LONGITUDINAL SECTION
Showing Catch Basin used with R. C. Box Culvert.



TRANSVERSE SECTION
Showing Catch Basin used with R. C. Box Culvert.

NOTES:
Dimensions relating to Reinf. Steel are to bar centers.
#4 Bars B may be Spliced; Splice Length = 35 diam.
For Details of Const. Joint, See Std. Plan CM-49.
For Details & Dimensions of Grate & Seat, See Std. Plan MC-01 (Type B or C).
See plans for Grate Type to be used for each Catch Basin.
Std. Plan MC-01 may be obtained from:
Hydraulics & Standard Plans
Dept. of Transportion and Development
P.O. Box 44245 Capitol Station
Baton Rouge, La. 70804

STANDARD PLAN NO. CB-01

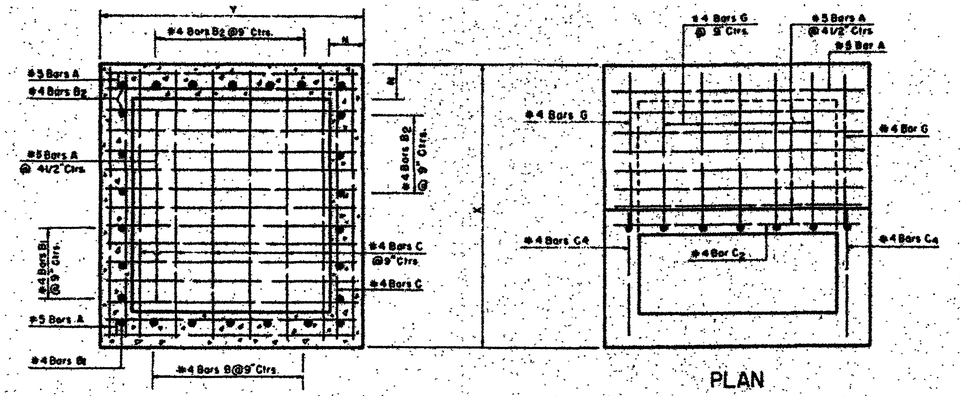
BRICK AND/OR CONCRETE OPEN TOP CATCH BASIN

MAX. PIPE: 36"x24"
MAX. DEPTH: 12'

DATED 6-25-82 To Be Used in Conjunction With Std. MC-01

DATE	DESCRIPTION	BY
	REVISIONS	

JEFFERSON PARISH STANDARD PLAN

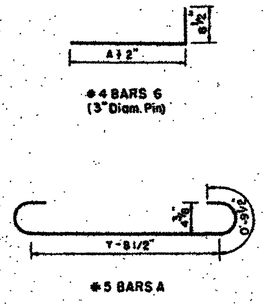


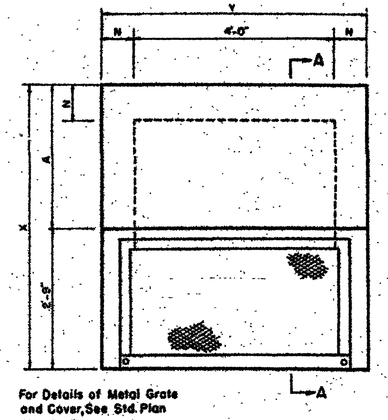
SECTION

Showing Bottom Slab Reinforcing Steel

PLAN

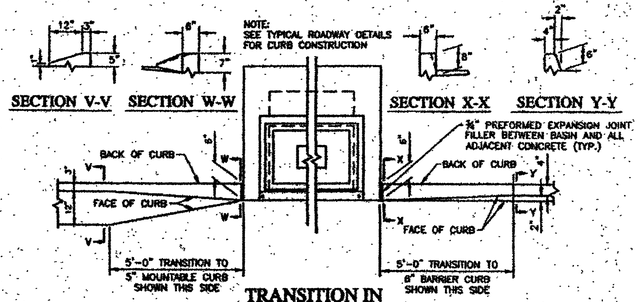
Showing Top Slab Reinforcing Steel





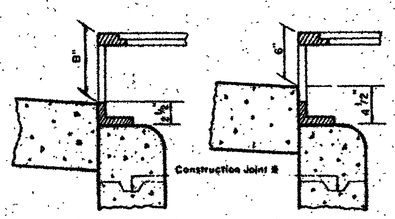
For Details of Metal Grate and Cover, See Std. Plan MC-01, Type H

PLAN



TRANSITION IN CURB WIDTHS

(TYPICAL)(TRANSITIONS TO OTHER CURB HEIGHTS SIMILAR)



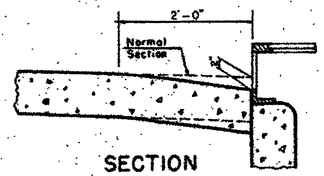
INLET CONFIGURATION

When used with 6" Barrier Curb

When used with 4" Mountable Curb

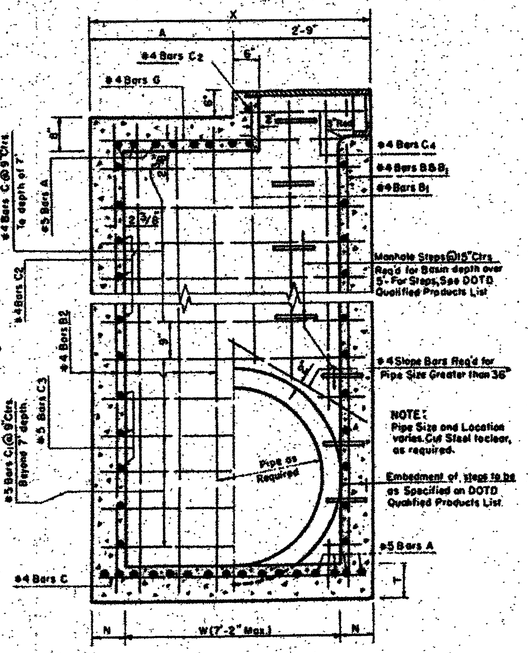
* NOTE:

The Basin shall not be constructed above bottom of pavement elevation until the paving adjacent to the Basin is in place.

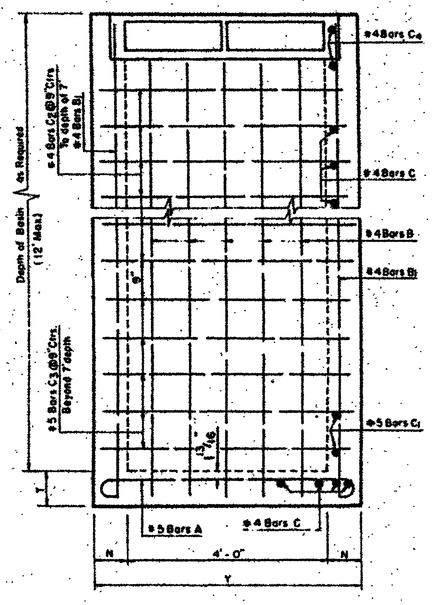


SECTION

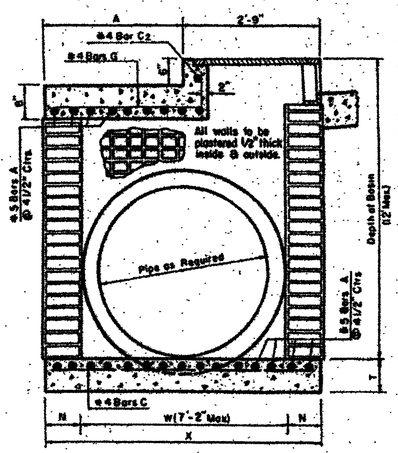
Showing Pavement Sump Typical



SECTION A-A

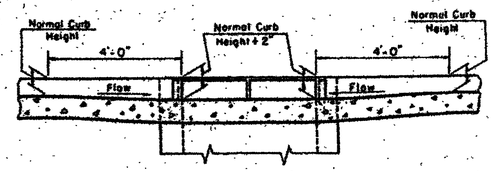


ELEVATION

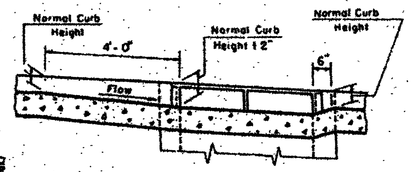


SECTION A-A
BRICK ALTERNATE

Details not shown, same as Concrete Basin



Transition in Curb Height
Catch Basin @ Low Point



Transition in Curb Height
Catch Basin on Grade

BRICK WALL CATCH BASIN										
			DEPTH TO 7 FEET				DEPTH 7 TO 12 FEET			
PIPE DIAMETER	W	T	X	Y	N	A	X	Y	N	A
In.	Ft. - In.	In.	Ft. - In.	Ft. - In.	In.	Ft. - In.	Ft. - In.	Ft. - In.	In.	Ft. - In.
15 to 24	2 - 6	8	3 - 10	5 - 4	8	1 - 1	4 - 6	6 - 0	12	1 - 9
30	3 - 1	8	4 - 5	5 - 4	8	1 - 8	5 - 1	6 - 0	12	2 - 4
36	3 - 8	8	5 - 0	5 - 4	8	2 - 3	5 - 8	6 - 0	12	2 - 11
42	4 - 3	8	5 - 7	5 - 4	8	2 - 10	6 - 3	6 - 0	12	3 - 6
48	4 - 10	8	6 - 2	5 - 4	8	3 - 5	6 - 10	6 - 0	12	4 - 1
54	5 - 5	9	6 - 9	5 - 4	8	4 - 0	7 - 5	6 - 0	12	4 - 8
60	6 - 0	9	7 - 4	5 - 4	8	4 - 7	8 - 0	6 - 0	12	5 - 3
72	7 - 2	9	8 - 6	5 - 4	8	5 - 9	9 - 2	6 - 0	12	6 - 5

① Refers to sidewall pipe, or "trunkline". Frontwall or "crossing pipe" may not exceed 42".

② W & X Dimensions may be varied for Skewed Pipe, but W shall not exceed 7'-2".

GENERAL NOTES:

1. CONCRETE: ALL CONCRETE SHALL BE CLASS "M" MINOR STRUCTURE. ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4 IN. EXCEPT AS NOTED.

2. REINFORCING STEEL: REINFORCING STEEL SHALL BE GRADE 60. SPACING DIMENSIONS ARE TO BAR CENTERS. FABRICATION DIMENSIONS ARE OUT TO OUT OF BAR. MINIMUM COVER FOR REINFORCING BARS SHALL BE 2 IN. CLEAR UNLESS SHOWN OTHERWISE.

3. FOR DETAILS OF METAL COVER, FRAME, AND GRATE, SEE LADOTD STANDARD PLAN MC-01 TYPE "H". THIS STANDARD PLAN MAY BE OBTAINED FROM: HYDRAULICS AND STANDARD PLAN SECTION, DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, P.O. BOX 44245, BATON ROUGE, LA 70804.

4. STEPS: M.A. INDUSTRIES, INC. PS1-B MANHOLE STEPS (OR APPROVED EQUAL) REQUIRED FOR BASIN DEPTH OVER 5' (TYP.)

5. 12" MIN. THICK FOUNDATION BEDDING MATERIAL (COMPACTED CRUSHED STONE) REQUIRED UNDER ALL STRUCTURES. WRAP BEDDING MATERIAL WITH GEOTEXTILE FABRIC. PAYMENT TO BE INCLUDED UNDER APPLICABLE DRAINAGE STRUCTURES.

6. SEE OTHER DRAWINGS FOR DRAIN LINE SIZES AND LOCATIONS.

7. BASIN ADJACENT TO REQUIRED PORTLAND CEMENT CONCRETE PAVEMENT SHALL NOT BE CONSTRUCTED ABOVE BOTTOM OF PAVEMENT ELEVATION UNTIL THE PAVEMENT IS IN PLACE.

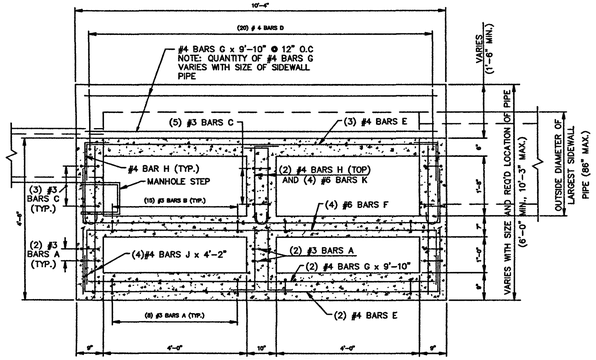
JEFFERSON PARISH
DEPARTMENT OF ENGINEERING

DRAWING TITLE: CB-06 (BRICK)

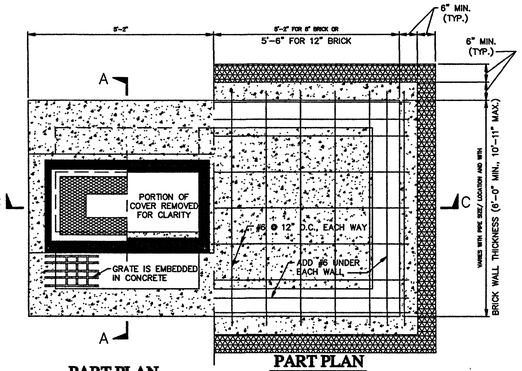
DRAWN BY	DATED	DESIGNED BY	DATED
REVISED BY	DATED	REVISED BY	DATED
REVISED BY	DATED	REVISED BY	DATED
REVISED BY	DATED	REVISED BY	DATED
XREF		VER	

FILE NUMBER: CB-06 (BRICK)

SHEET NO. 1 OF 1

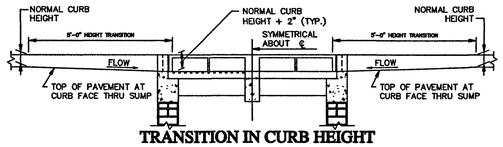


SECTION B-B
(STRUCTURE ABOVE ONLY SHOWS 8" BRICK)

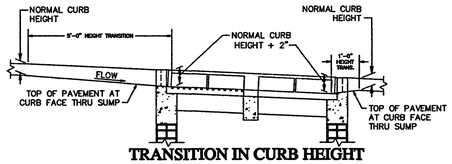


PART PLAN
(TOP SLAB)

PART PLAN
(BOTTOM SLAB AND BEDDING FOR 8" BRICK WALLS SHOWN)



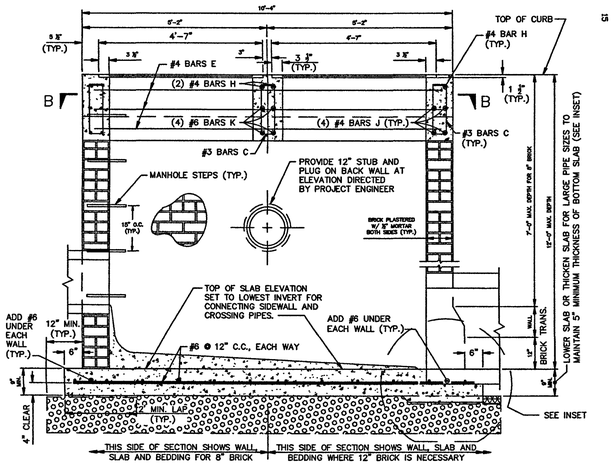
TRANSITION IN CURB HEIGHT CATCH BASIN AT LOW POINT



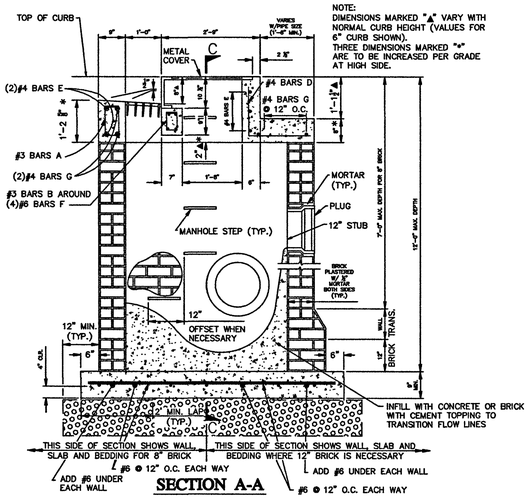
TRANSITION IN CURB HEIGHT CATCH BASIN ON A GRADE

GENERAL NOTES:

1. CONCRETE: ALL CONCRETE SHALL BE CLASS "M" MINOR STRUCTURE. ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4 IN. EXCEPT AS NOTED.
2. REINFORCING STEEL: REINFORCING STEEL SHALL BE GRADE 60. SPACING DIMENSIONS ARE TO BAR CENTERS, FABRICATION DIMENSIONS ARE OUT TO OUT OF BAR. MINIMUM COVER FOR REINFORCING BARS SHALL BE 2 IN. CLEAR UNLESS SHOWN OTHERWISE.
3. FOR DETAILS OF METAL COVER, FRAME, AND GRATE, SEE LADOTD STANDARD PLAN MC-01 TYPE "H" AND TYPE "I". THIS STANDARD PLAN MAY BE OBTAINED FROM: HYDRAULICS AND STANDARD PLAN SECTION, DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, P.O. BOX 44245, BATON ROUGE, LA 70804.
4. STEPS: M.A. INDUSTRIES, INC. PS1-B MANHOLE STEPS (OR APPROVED EQUAL) REQUIRED FOR BASIN DEPTH OVER 5' (TYP.)
5. 12" MIN. THICK FOUNDATION BEDDING MATERIAL (COMPACTED CRUSHED STONE) REQUIRED UNDER ALL STRUCTURES. WRAP BEDDING MATERIAL WITH GEOTEXTILE FABRIC. PAYMENT TO BE INCLUDED UNDER APPLICABLE DRAINAGE STRUCTURES.
6. SEE OTHER DRAWINGS FOR DRAIN LINE SIZES AND LOCATIONS.
7. BASIN ADJACENT TO REQUIRED PORTLAND CEMENT CONCRETE PAVEMENT SHALL NOT BE CONSTRUCTED ABOVE BOTTOM OF PAVEMENT ELEVATION UNTIL THE PAVEMENT IS IN PLACE.



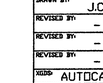
SECTION C-C



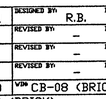
SECTION A-A

SECTION V-V

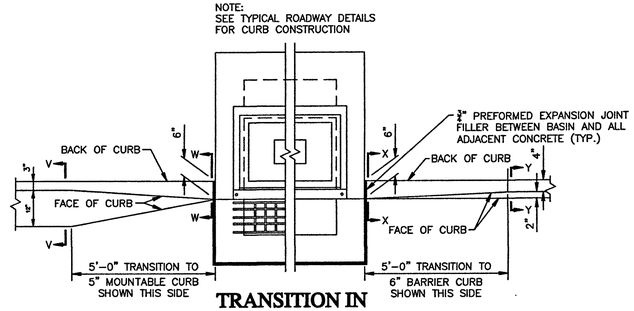
SECTION W-W



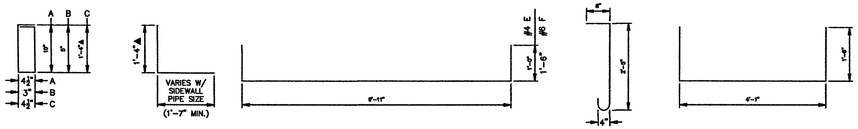
SECTION X-X



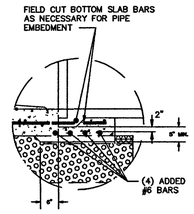
SECTION Y-Y



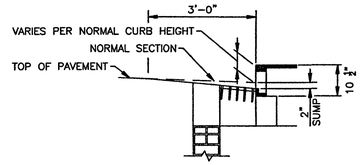
TRANSITION IN CURB WIDTHS
(TYPICAL)(TRANSITIONS TO OTHER CURB HEIGHTS SIMILAR)



#3 BARS A, B, & C | **#4 BAR D** | **#4 BAR E / #6 BAR F** | **#4 BAR H** | **#6 BAR K**



INSET
(RCP BELLJOINT CONNECTION SHOWN HERE, SPIGOT CONNECTION SIMILAR)



SECTION
(PAVEMENT SUMP)
(TYPICAL)

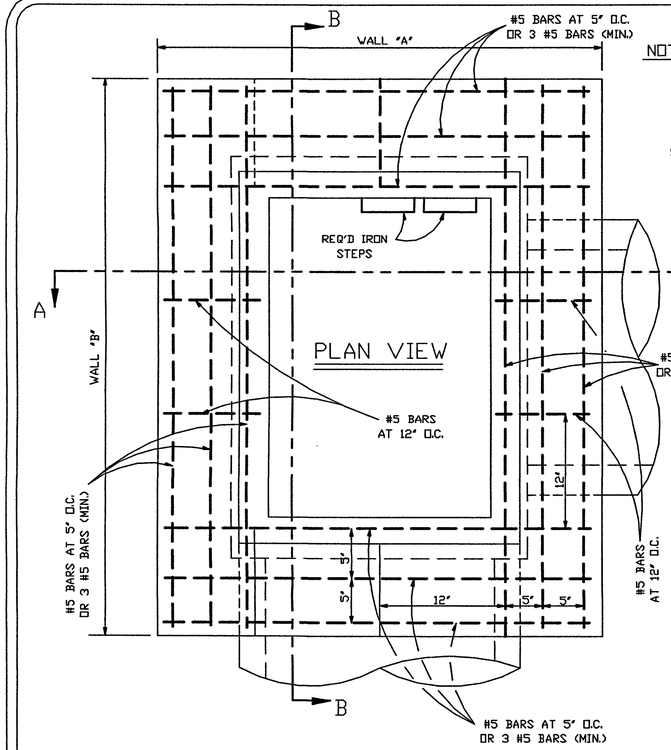
JEFFERSON PARISH
DEPARTMENT OF ENGINEERING

DRAWING TITLE: CB-08 (BRICK)

DRAWN BY	J.C.	DATED 10/27/11	DESIGNED BY	R.B.	DATED 10/27/11
REVISED BY	–	DATED –	REVISED BY	–	DATED –
REVISED BY	–	DATED –	REVISED BY	–	DATED –
REVISED BY	–	DATED –	REVISED BY	–	DATED –

USING: AUTOCAD 2000/LT 2000 | WIN: CB-08 (BRICK) (2000).DWG
FILE NUMBER: CB-08 (BRICK)

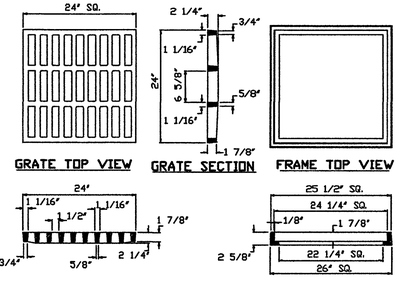
SHEET NO. 1 OF 1



NOTES:

1. CULVERT SIZE SHOWN PERTAIN TO B & S PIPE. (UNLESS OTHERWISE SPECIFIED).
2. CONCRETE STRENGTH TO BE 3,000 PSI (MINIMUM) AT 28 DAYS.
3. DIMENSIONS FOR BOTTOM SLAB AS PER DIMENSIONS FOR WALLS "A" AND "B".
4. WHEN BOX IS 7'- 0" OR LESS IN HEIGHT, WALLS TO BE 8" THICK. WHEN BOX HEIGHT IS GREATER THAN 7'- 0" BUT LESS 12'- 0", SEE DETAIL "A".
5. WIDTH OF SHELL BEDDING SHALL BE AS PER DIMENSIONS SHOWN FOR WALLS "A" AND "B" PLUS 2'- 0".
6. ALL MASONARY TO BE LAID WITH RUNNING BOND AND HEADER COURSE (EVERY FOURTH LAYER).
7. ALL WALLS TO BE PLASTERED INSIDE AND OUTSIDE (1/2" MIN. THICKNESS).
8. ALL GRATES AND FRAMES SHALL BE VULCAN FOUNDRY OR APPROVED EQUAL. ALL CAST IRON TYPE AND WITHOUT PAINT.

⚠ NOTE:
ALL GREY CASTINGS FOR MANHOLES, AND CATCH BASINS OF ALL TYPES SHALL CONFORM TO THE REQUIRMENTS OF A.S.T.M. A-48, CLASS 30. AND SHALL BE FURNISHED WITHOUT PAINT (AASHTO#306-891)



NOTE:
SOLID COVERS ARE AVAILABLE ON REQUEST.

SQUARE D.I.
N.T.S.

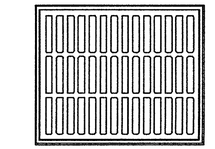
B & S = BELL & SPIGOT
T & G = TONGUE & GROOVE
W.I. = WROUGHT IRON

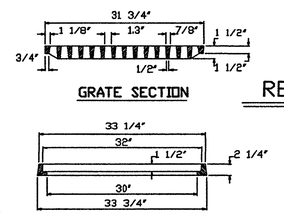
SQUARE " GRATE " (V-5724-1)

CULVERT SIZE	BOTTOM SLAB	TOP SLAB (A & B)	C & D	CULVERT SIZE	BOTTOM SLAB	TOP SLAB	C & D
12"DIA.	4'-2"X 4'-2"	3'-2"X 3'-2"	7 7/8"	21"DIAX24"DIA.	5'-0"X 5'-0"	4'-6"X 4'-6"	15 7/8"
15"DIA.	4'-4"X 4'-4"	3'-4"X 3'-4"	8 7/8"	27"DIAX30"DIA.	6'-0"X 6'-0"	5'-0"X 5'-0"	18 7/8"
18"DIA.	4'-6"X 4'-6"	3'-6"X 3'-6"	9 7/8"	36"DIA	6'-6"X 6'-6"	5'-6"X 5'-6"	21 7/8"

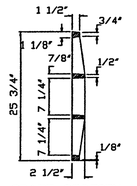
RECTANGULAR " GRATE " (V-5662)

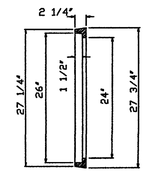
CULVERT SIZE ON WALLS A & B	WALL "A"	" C "	WALL "B"	" D "
21"DIA.& 24"DIA. B& S	4'- 6"	15" (3 NO.5 BARS)	4'- 6"	15" (3 NO.5 BARS)
27"DIA.& 30"DIA. B& S	5'- 0"	18" (3 NO.5 BARS)	5'- 0"	15" (3 NO.5 BARS)
36"DIA. B& S	5'- 9"	22 1/2" (3 NO.5 BARS)	5'- 9"	19 1/2" (3 NO.5 BARS)
42"DIA. B& S	6'- 6"	27" (4 NO.5 BARS)	6'- 6"	24" (4 NO.5 BARS)
48"DIA. B& S	7'- 0"	30" (5 NO.5 BARS)	7'- 0"	27" (4 NO.5 BARS)
54"DIA. T& G	7'- 3"	31 1/2" (5 NO.5 BARS)	7'- 3"	28 1/2" (5 NO.5 BARS)
60"DIA. T& G	7'- 9"	35" (6 NO.5 BARS)	7'- 9"	32" (6 NO.5 BARS)
72"DIA. T& G	9'- 0"	42" (7 NO.5 BARS)	9'- 0"	39" (7 NO.5 BARS)

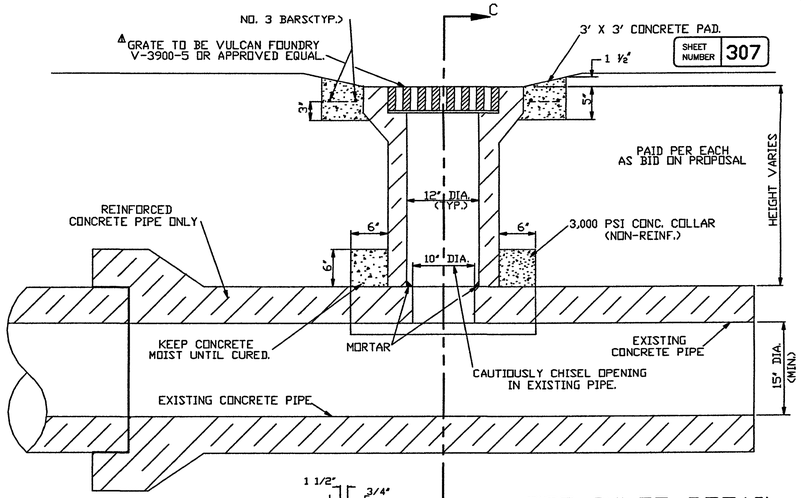




RECTANGULAR D.I.
N.T.S.

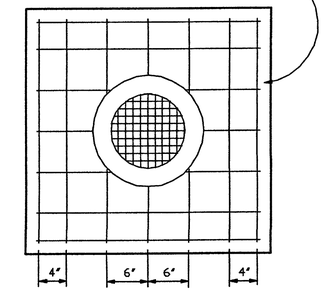




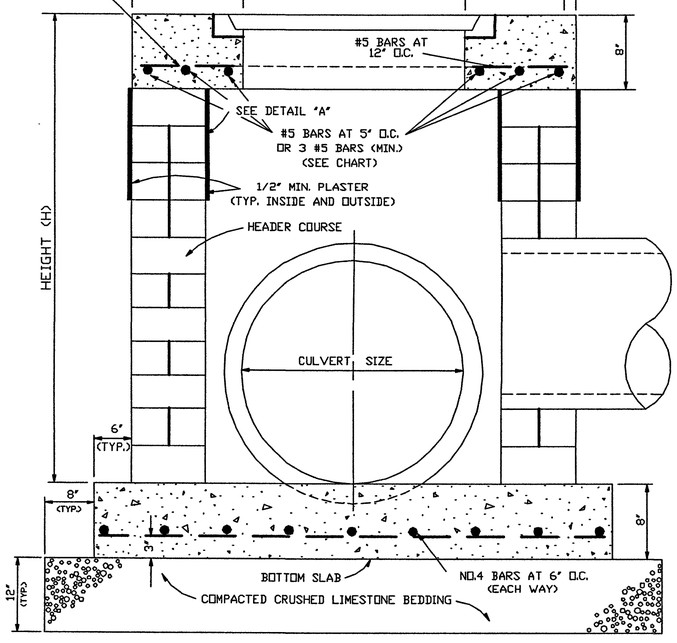


TEE INLET DETAIL
N.T.S.

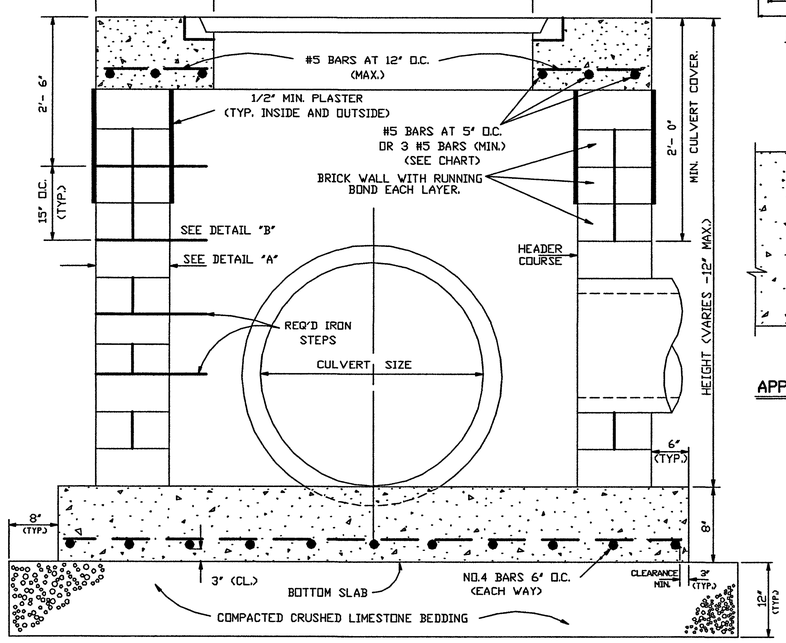
3'X 3' CONCRETE PAD



TOP VIEW
7 NO.3 BARS SPACED AS SHOWN (EACH WAY)
N.T.S.

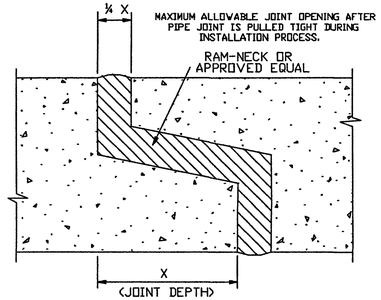


SECTION " A - A "
N.T.S.



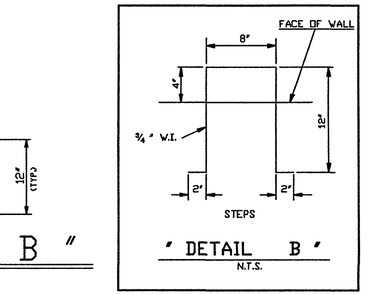
SECTION " B - B "
N.T.S.

DROP INLET DETAIL

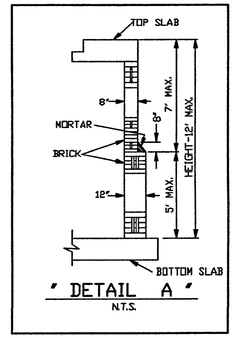


APPLICABLE TO TONGUE AND GROOVE PIPE
(ARCH PIPE ONLY)
N.T.S.

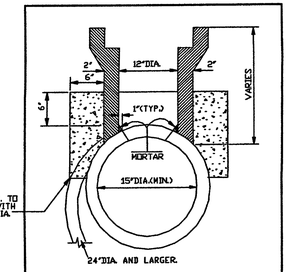
ARCH PIPE (RISE X SPAN)	X (INCHES)	¼X (INCHES)
13 ½" X 22"	2"	½"
15 ½" X 26"	2 ¼"	9/16"
18" X 28 ½"	3"	¾"
22 9/16" X 36 ¼"	3 3/4"	15/16"
26 5/8" X 43 3/4"	3"	¾"
31 5/16" X 51 ½"	3 ½"	⅞"
36" X 58 ½"	4 ½"	1 ⅛"
40 1/4" X 65"	5 ⅛"	1 5/16"
45" X 73 ½"	5"	1 ¼"
54" X 88"	6"	1 ½"
62 5/8" X 102"	6 ⅛"	1 ½"
77 3/4" X 122"	7"	1 ¾"



" DETAIL B "
N.T.S.



" DETAIL A "
N.T.S.



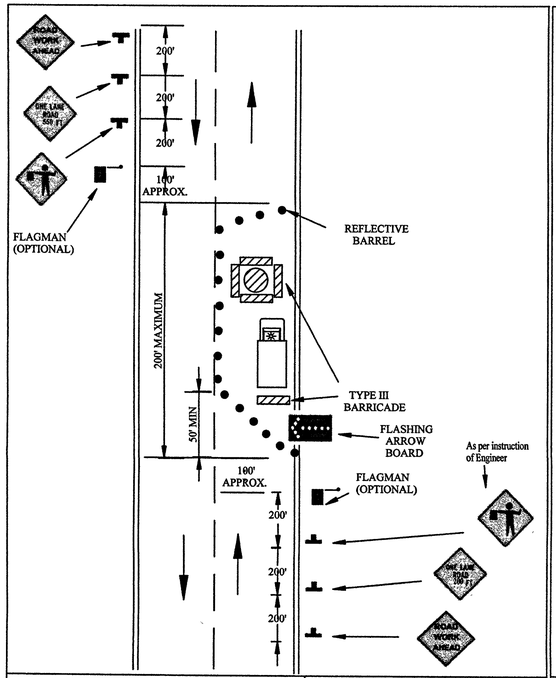
MID-POINT OF PIPE FROM 15"DIA. TO 21"DIA. OR POINT OF CONTACT WITH PIPE WALL FOR PIPE SIZE 24"DIA AND LARGER.

SECTION "C-C"
N.T.S.

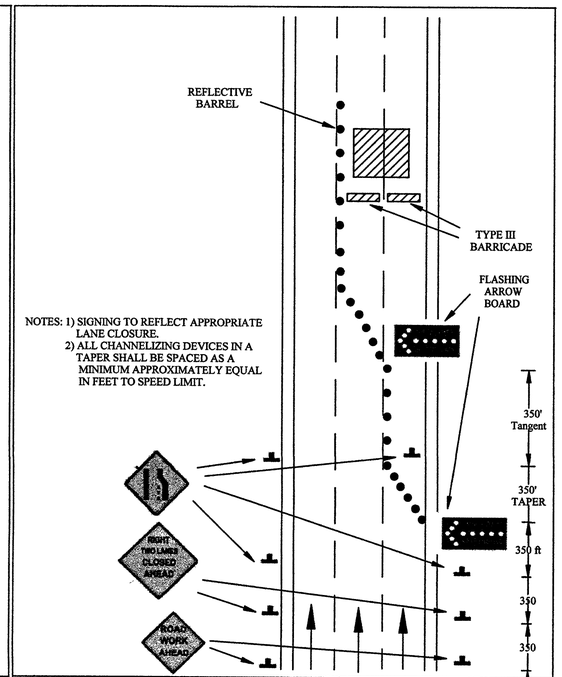
JEFFERSON PARISH
DEPARTMENT OF ENGINEERING

DRAWING TITLE
DRAINAGE STANDARD DETAILS

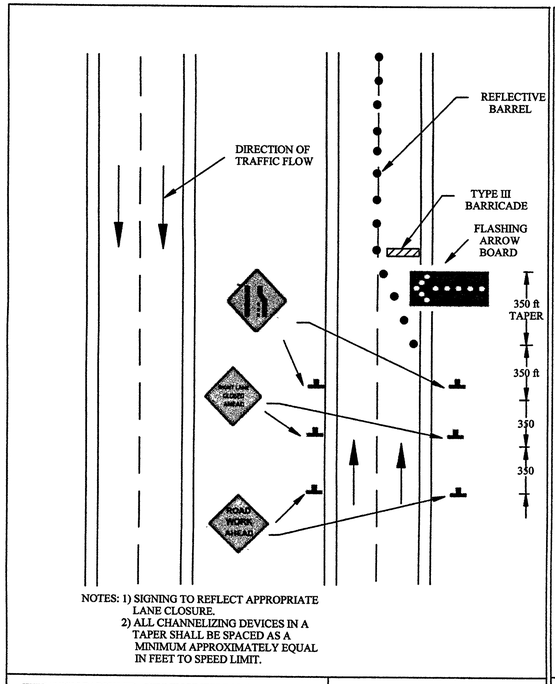
DRAWN BY H.J.W.	DATED 08/07/92	REVISED BY H.J.W.	DATED 06/13/94
REVISED BY H.J.W.	DATED 07/25/97	DXF TO AUTOCAD-LT H.J.W.	DATED 01/04/04
REVISED BY J.L.	DATED 11/26/07	REVISED BY –	DATED –
REVISED BY –	DATED –	REVISED BY –	DATED –
XCAD: AUTOCAD LT. 2004		VER: DRAIN3.DWG	
FILE NUMBER: 0025			



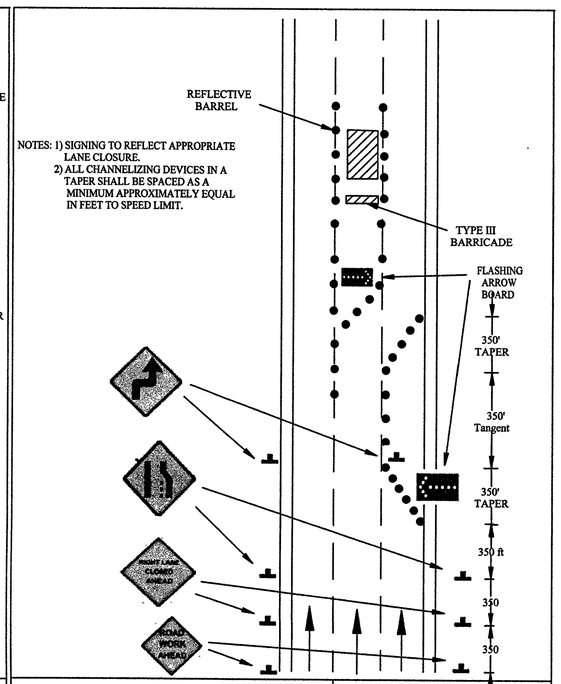
JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION	TYPICAL ONE-LANE CLOSURE ON 2-LANE, 2-WAY ROADWAY
DETAIL 1 N.T.S.	UPDATED 12/29/05



JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION	TWO-LANE CLOSURE ON A MULTI-LANE ROADWAY
DETAIL 2 N.T.S.	UPDATED 12/29/06



JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION	ONE-LANE CLOSURE ON A MULTI-LANE DIVIDED ROADWAY
DETAIL 3 N.T.S.	UPDATED 1/16/06



JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION	CENTER LANE CLOSURE ON A MULTI-LANE ROADWAY
DETAIL 4 N.T.S.	UPDATED 12/28/05

PARISH PROJECT	JPPW NO.

GENERAL NOTES

1. The design and application of all signals, pavement markings, channelizing devices, and warning signs shall conform to part six of the "Manual on Uniform Traffic Control Devices", 2009 edition as revised.
2. Channelizing and delineation devices shall be used to mark all construction areas. These shall be Type III barricades, and/or barrels, all fully reflectorized with lights.
3. Any traffic control device (signs, signals, markings) which exists as part of the normal pre-construction scheme, and does not apply to an appropriate situation, or are in the way of construction, shall be covered, removed, or relocated by the contractor under the supervision of the Project Engineer. The Project Engineer shall also advise Jefferson Parish Traffic Engineering Division of such action.
4. Any temporary device not applying to an appropriate situation, or which is no longer required, shall be covered or removed by the contractor.
5. The contractor shall restore the roadway and all previous traffic control devices to original conditions.
6. All excavations shall be covered, backfilled, or protected as directed by the project engineer, and fully delineated (see note 2) at night and when work is not in progress. Excavated pits, etc. shall be fully fenced or barricaded (see note 2) to prevent access by pedestrians. Service cuts must be restored to such condition to withstand vehicle and pedestrian loads.
7. All materials/machines shall be stored outside of the road surface, creating no sight restrictions and shall be fully delineated as in note 2.
8. If sections of roadway are totally closed, the contractor shall notify the Jefferson Parish Public Information Office to report such closure. A minimum ten working day advance notice will be required.
9. On totally closed sections of the roadway, the contractor shall provide access for local traffic only. This shall not apply to canal crossings, etc.
10. Barrels used for channelizing and delineation devices, as part of this traffic control device plan shall be weighted with tire rings or other approved molded barrel weight, fully reflectorized, with lights.
11. The contractor shall check all traffic control devices on a daily basis as a minimum when beginning and ending the workday, to insure adherence to the plans and proper adequacy of the devices for day and night visibility. On weekends and holidays, the devices shall be checked a minimum of once per day.
12. Flagmen and/or Sheriff's control shall be provided as needed and specified by the Project Engineer.
13. At the time of construction, any additional traffic control devices, which may be required, by the Project Engineer, the Jefferson Parish Traffic Engineering Division, or the contractor shall be provided by the contractor.
14. This traffic control device plan indicates general traffic control devices to be used on this project. It is anticipated that conditions will vary depending on the phase under construction and that the arrangement of those devices will be reviewed on a day-to-day basis. Should the contractor have any questions as to the arrangement of those devices, the Project Engineer shall be notified to make an inspection of the site.
15. The contractor shall provide for the movement of pedestrians for the entire length of the contract. As much as possible, the contractor shall not obstruct existing sidewalks, thereby obstructing pedestrian movements. If existing sidewalks must be obstructed, the contractor shall provide for the movement of pedestrians by posting appropriate signing, such as but not limited to, "sidewalk closed – use other side of street". Signing shall be reflectorized and equipped with lights at night. Also, where trenches are excavated outside the roadway surface, the contractor shall provide each dwelling at least one accessible crossing of the backfilled trench area, for use by pedestrians.
16. As much as possible, the contractor shall provide access to area businesses.
17. Construction on inbound lanes (AM peak hour direction of flow) shall be restricted between the hours of 6 AM to 9 AM daily. Construction on outbound lanes (PM peak hour direction of flow) shall be restricted between the hours of 3 PM to 6 PM.
18. The contractor shall check all traffic control devices on a daily basis as a minimum when beginning and ending the workday, to insure adherence to the plans and proper adequacy of the devices for day and night visibility. On weekends and holidays, the devices shall be checked a minimum of once per day.
19. At the time of construction, any additional traffic control devices, which may be required, by the Project Engineer, the Jefferson Parish Traffic Engineering Division, or the contractor shall be provided by the contractor.
20. This traffic control device plan indicates general traffic control devices to be used on this project. It is anticipated that conditions will vary depending on the phase under construction and that the arrangement of those devices will be reviewed on a day-to-day basis. Should the contractor have any questions as to the arrangement of those devices, the Project Engineer shall be notified to make an inspection of the site.
21. The contractor shall provide for the movement of pedestrians for the entire length of the contract. As much as possible, the contractor shall not obstruct existing sidewalks, thereby obstructing pedestrian movements. If existing sidewalks must be obstructed, the contractor shall provide for the movement of pedestrians by posting appropriate signing, such as but not limited to, "sidewalk closed – use other side of street". Signing shall be reflectorized and equipped with lights at night. Also, where trenches are excavated outside the roadway surface, the contractor shall provide each dwelling at least one accessible crossing of the backfilled trench area, for use by pedestrians.

SHEET NUMBER

JEFFERSON PARISH

PARISH	FEDERAL PROJECT	STATE PROJECT

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET

NO	DATE	REVISION DESCRIPTION	BY

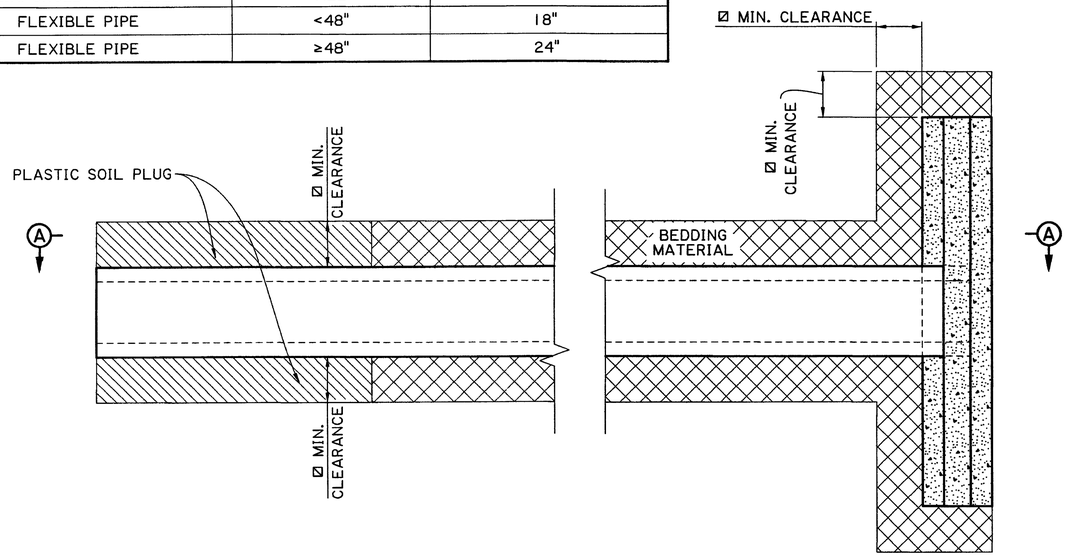
JEFFERSON PARISH TRAFFIC ENGINEERING

10/23/2023 09:45

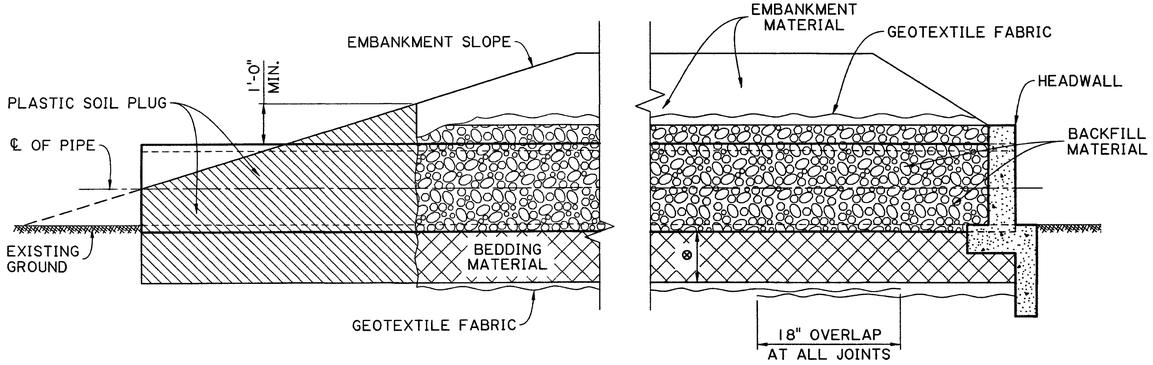
GENERAL NOTES :

1. REINFORCED CONCRETE PIPE AND FLEXIBLE PIPE ARE SHOWN AS TYPICAL STRUCTURES. DETAILS ALSO APPLY TO REINFORCED CONCRETE BOX CULVERT, REINFORCED CONCRETE PIPE ARCH, CORRUGATED METAL PIPE ARCH, AND CORRUGATED STRUCTURAL PLATE STRUCTURES.
2. CONSTRUCTION COVER REQUIREMENTS MAY EXCEED FINAL COVER.
3. CROSS DRAIN DETAILS APPLY TO ALL REACHES OF PIPE UNDER RIGID OR FLEXIBLE ROADWAYS.
4. FOR STRUCTURES INSTALLED OUTSIDE THE LIMITS OF THE ROADWAY, THE 12" OF FINAL BACKFILL ABOVE TYPE B BACKFILL UP TO THE EXISTING GROUND SHALL BE PLASTIC SOIL BLANKET MATERIAL. IF THE EMBANKMENT TO BE INSTALLED IS GREATER THAN 12" ABOVE EXISTING GROUND IN THE AREA OVER THE STRUCTURE, THEN THE PLASTIC SOIL BLANKET IS NOT REQUIRED AND TYPE B BACKFILL MAY EXTEND TO EXISTING GROUND.

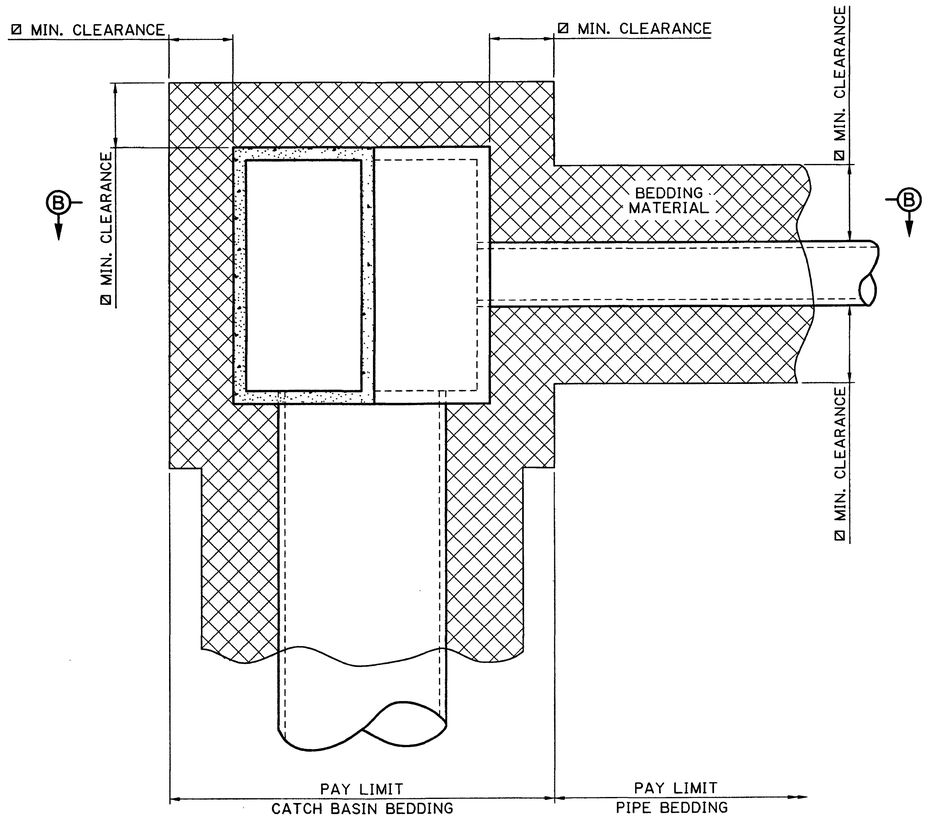
Ø MINIMUM TRENCH CLEARANCE		
TYPE OF STRUCTURE	INSIDE DIAMETER	MIN. CLEARANCE
REINFORCED CONCRETE	ALL	18"
FLEXIBLE PIPE	<48"	18"
FLEXIBLE PIPE	≥48"	24"



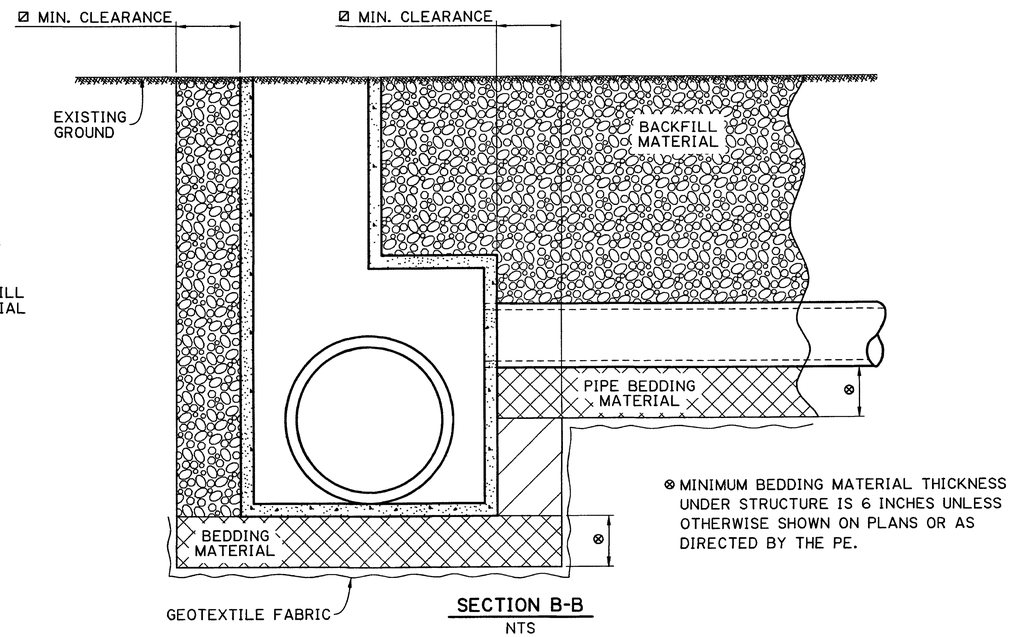
TYPICAL CROSS DRAIN INSTALLATION
WITH AND WITHOUT HEADWALL
(EMBANKMENT MATERIAL NOT SHOWN FOR CLARITY)
NTS



SECTION A-A
WITH AND WITHOUT HEADWALL
NTS



TYPICAL CATCH BASIN AND STORM DRAIN INSTALLATION
NTS



⊗ MINIMUM BEDDING MATERIAL THICKNESS UNDER STRUCTURE IS 6 INCHES UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE PE.

SECTION B-B
NTS

SHEET NUMBER 309

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN	CHECK	DETAIL	CHECK	REVIEW	SERIES #
C. NICKEL	J. RAUSER	L. HASTINGS	A. NICKEL	C. NICKEL	1 OF 2

STATE OF LOUISIANA
CHRISTOPHER J. NICKEL
License No. 30572
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/23/2023

APPROVED BY CHIEF ENGINEER: DATE: 10/26/2023

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT CERTIFIED

DRAINAGE STRUCTURES
BEDDING & BACKFILL

STANDARD PLAN BM-01

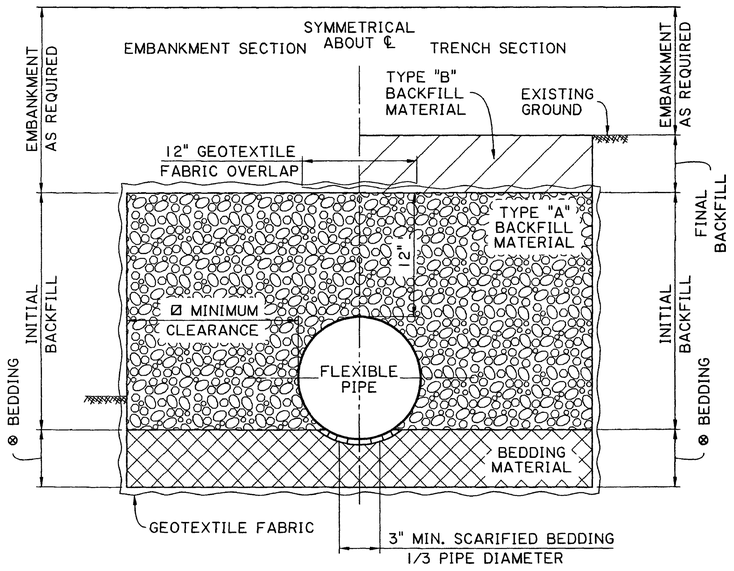
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
PAVEMENT & GEOTECHNICAL SERVICES

⌀ MINIMUM TRENCH CLEARANCE		
TYPE OF STRUCTURE	INSIDE DIAMETER	MIN. CLEARANCE
REINFORCED CONCRETE	ALL	18"
FLEXIBLE PIPE	<48"	18"
FLEXIBLE PIPE	≥48"	24"

⊗ MINIMUM BEDDING MATERIAL THICKNESS UNDER STRUCTURE IS 6 INCHES UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE PE.

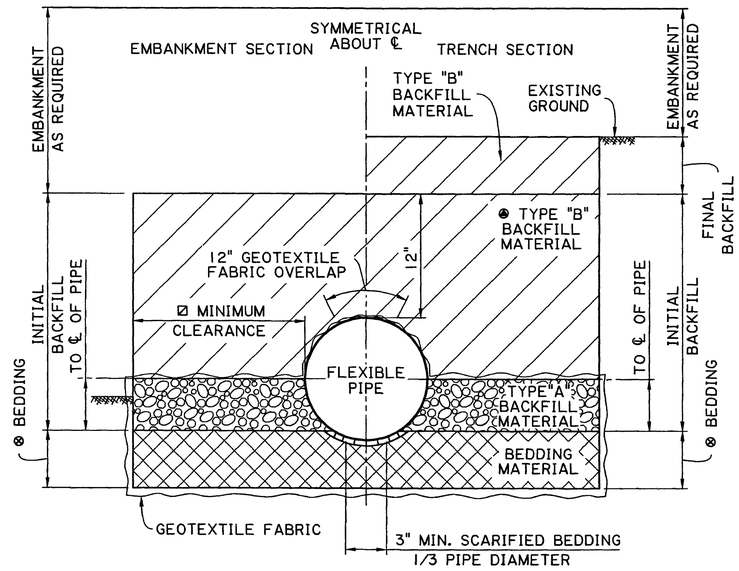
△ NO BEDDING MATERIAL REQUIRED UNLESS OTHERWISE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE PE.

⓭ REFER TO NOTE 3 ON SHEET 1 OF THIS SERIES.



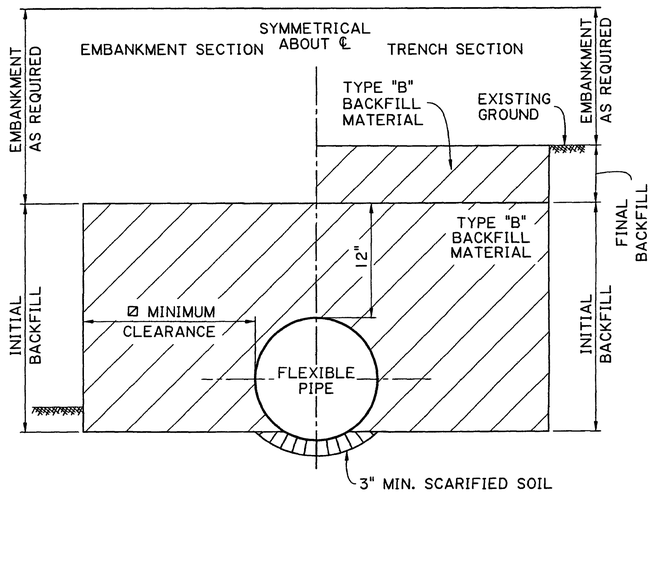
FLEXIBLE PIPE CROSS DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



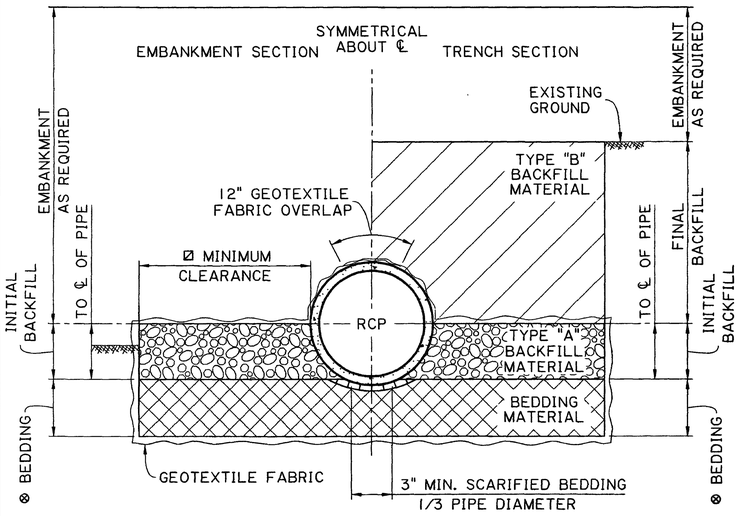
FLEXIBLE PIPE STORM DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



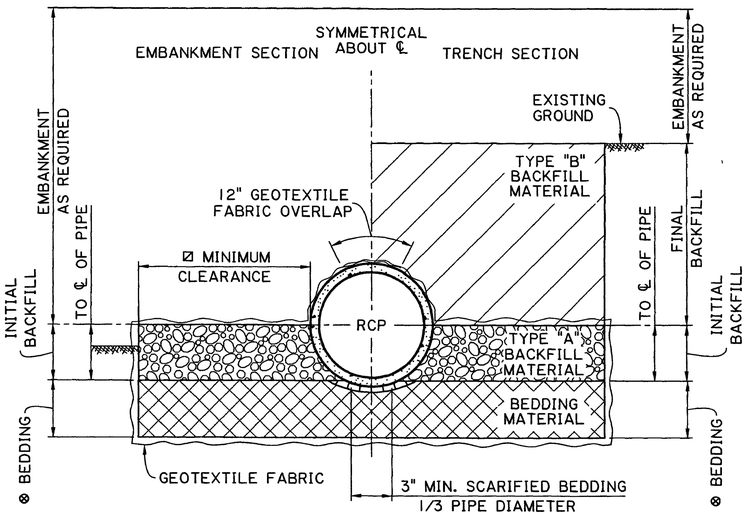
△ FLEXIBLE PIPE SIDE DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



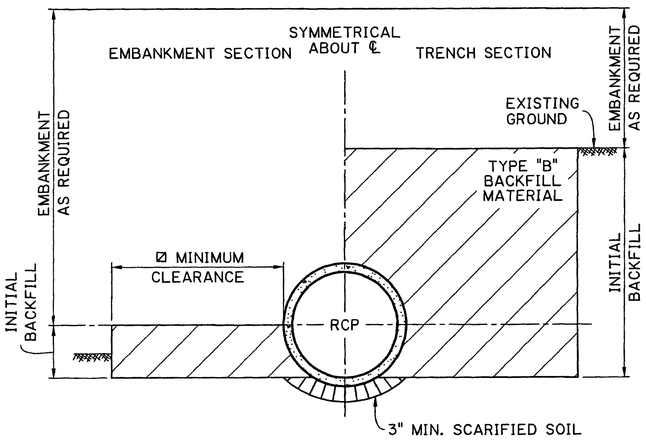
REINFORCED CONCRETE PIPE CROSS DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



REINFORCED CONCRETE PIPE STORM DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



△ REINFORCED CONCRETE PIPE SIDE DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"

09:18
10/23/2023

SHEET NUMBER 310

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN	C. NICKEL
CHECK	J. RAUSER
DETAIL	L. HASTINGS
CHECK	A. NICKEL
REVIEW	C. NICKEL
SERIES #	2 OF 2

STATE OF LOUISIANA
CHRISTOPHER J. NICKEL
License No. 30572
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/23/2023

APPROVED BY CHIEF ENGINEER:
DATE: 10/26/2023

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

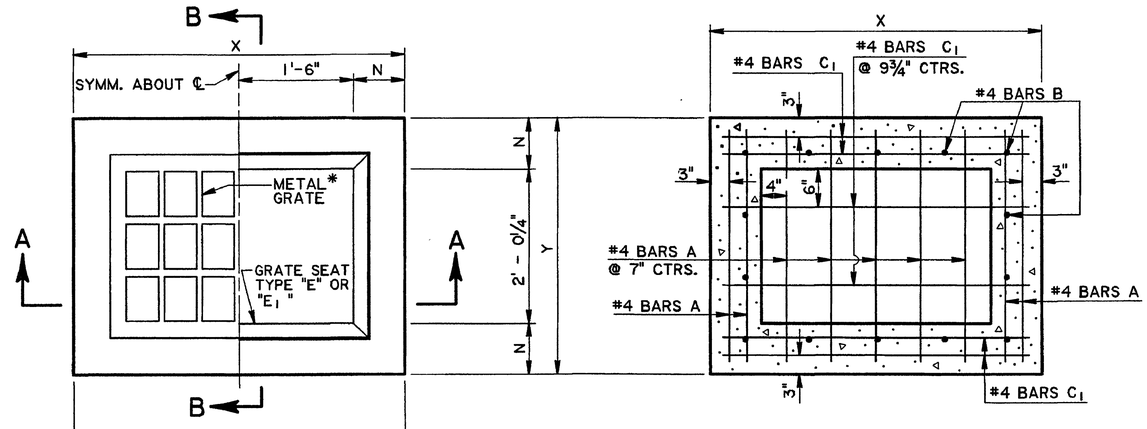
DRAINAGE STRUCTURES

TYPICAL SECTIONS FOR CROSS DRAINS & SIDE DRAINS

STANDARD PLAN BM-01

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PAVEMENT & GEOTECHNICAL SERVICES



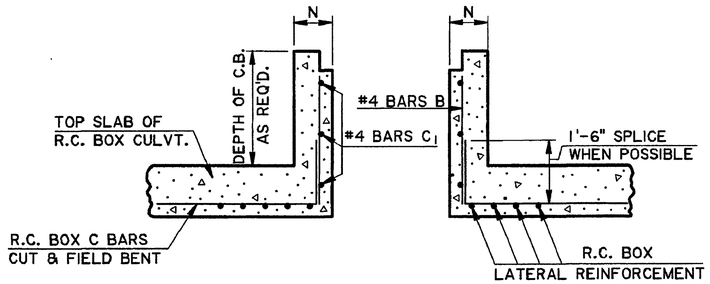
PLAN

* GRATE TO BE TYPE "B" OR "C" TYPE "B" SHOWN.

HORIZONTAL SECTION

SHOWING BOTTOM SLAB REINFORCING STEEL

DIMENSIONS			
DEPTH OF BASIN	N	X	Y
FT.	IN.	FT.- IN.	FT.- IN.
0 - 8	7	4-2	3-2¼
8.1 - 12	8	4-4	3-4¼

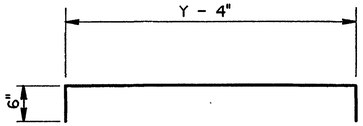


LONGITUDINAL SECTION

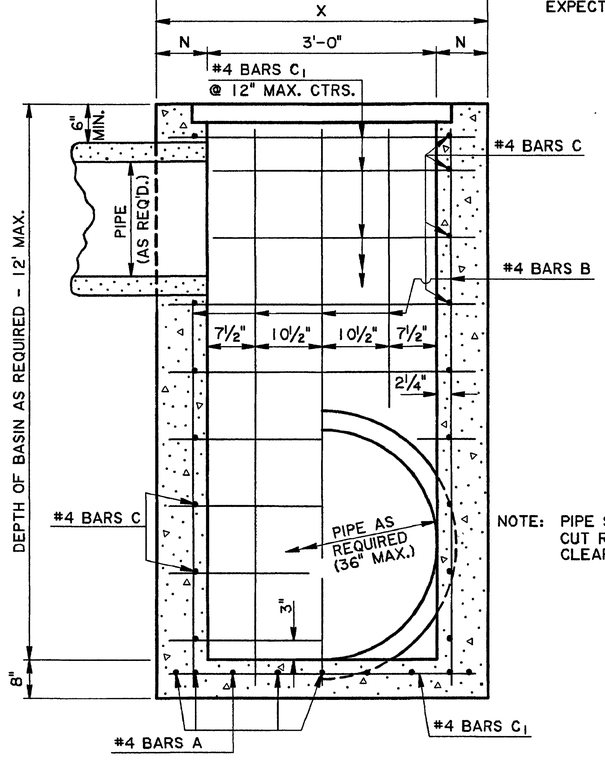
SHOWING CATCH BASIN
USED WITH R.C. BOX CULVERT.

NOTE: TYPE "B" GRATE TO BE USED WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED.

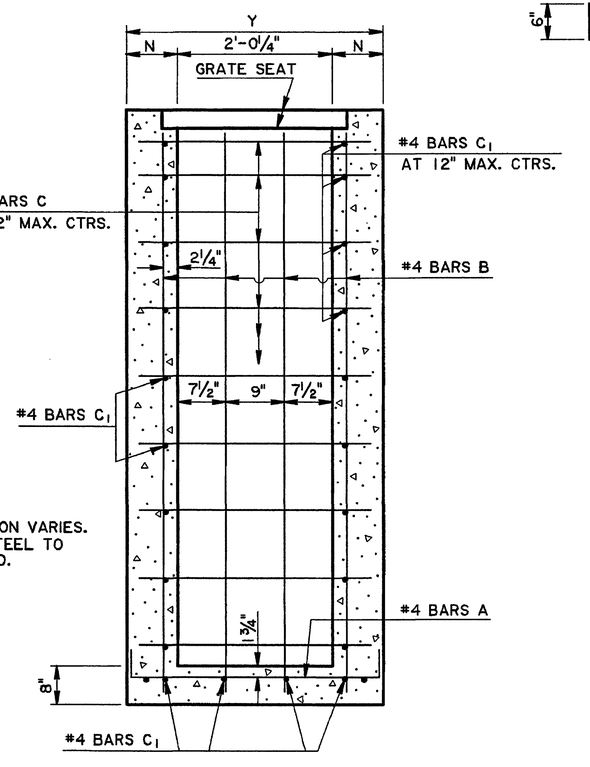


#4 BARS A

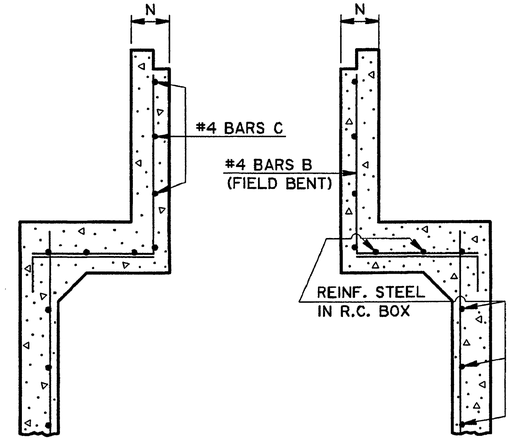


SECTION A-A

NOTE: PIPE SIZE & LOCATION VARIES. CUT REINFORCING STEEL TO CLEAR, AS REQUIRED.



SECTION B-B



TRANSVERSE SECTION

SHOWING CATCH BASIN
USED WITH R.C. BOX CULVERT.

GENERAL NOTES:

SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.

DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.

VERTICAL REINFORCING STEEL MAY BE SPLICED. SPLICE LENGTH IS 35 DIAMETERS.

FOR DETAILS OF GRATE AND SEAT, SEE STD. PLAN MC-01 (TYPE B or C).

SEE PLANS FOR TYPE OF GRATE TO BE USED FOR EACH CATCH BASIN.

SHEET NUMBER 311

PARISH JEFFERSON | FEDERAL PROJECT | STATE PROJECT H.007208

DESIGNED PAA | DETAILED KAJ | DATE 1-31-97

CHECKED | CHECKED WMR | SHEET 1 OF 1

JCM BY

DATE: 11-2-00

Converted Metric CB-01M to English CB-01

REVISION DESCRIPTION

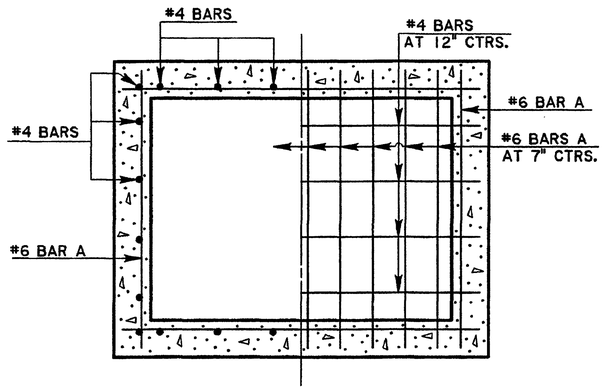
11-2-00 DATE

APPROVED BY CHIEF ENGINEER

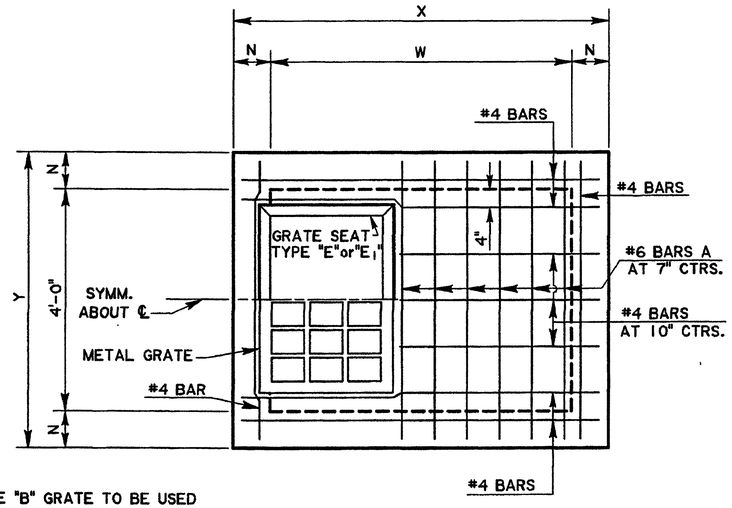
CONCRETE OPEN TOP CATCH BASIN
Max. Pipe: 36" x 24"
Max. Depth: 12'
To Be Used In Conjunction With Std. Plan MC-01

STANDARD PLAN CB-01

HYDRAULICS SECTION



SECTIONAL PLAN
(SHOWING BOTTOM SLAB & WALLS)



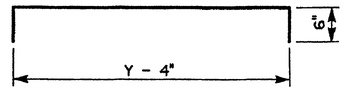
NOTE: TYPE "B" GRATE TO BE USED WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED.

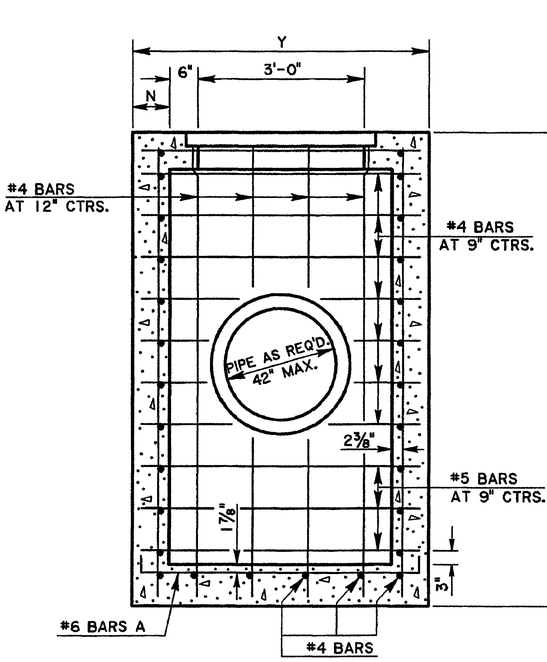
PLAN
GRATE TO BE TYPE "B" or "C".
TYPE "B" SHOWN.

DIMENSIONS										
TRUNK PIPE	DEPTH TO 8'					DEPTH 8' TO 12'				
	N	T	W	X	Y	N	T	W	X	Y
INCH	INCH	INCH	FT-IN	FT-IN	FT-IN	INCH	INCH	FT-IN	FT-IN	FT-IN
42	7	9	4-3	5-5	5-2	8	9	4-3	5-7	5-4
48	7	9	4-10	6-0	5-2	8	9	4-10	6-2	5-4
54	7	9	5-5	6-7	5-2	8	9	5-5	6-9	5-4
60	7	10	6-0	7-2	5-2	8	10	6-0	7-4	5-4
66	7	10	6-7	7-9	5-2	8	10	6-7	7-11	5-4
72	7	10	7-2	8-4	5-2	8	10	7-2	8-6	5-4

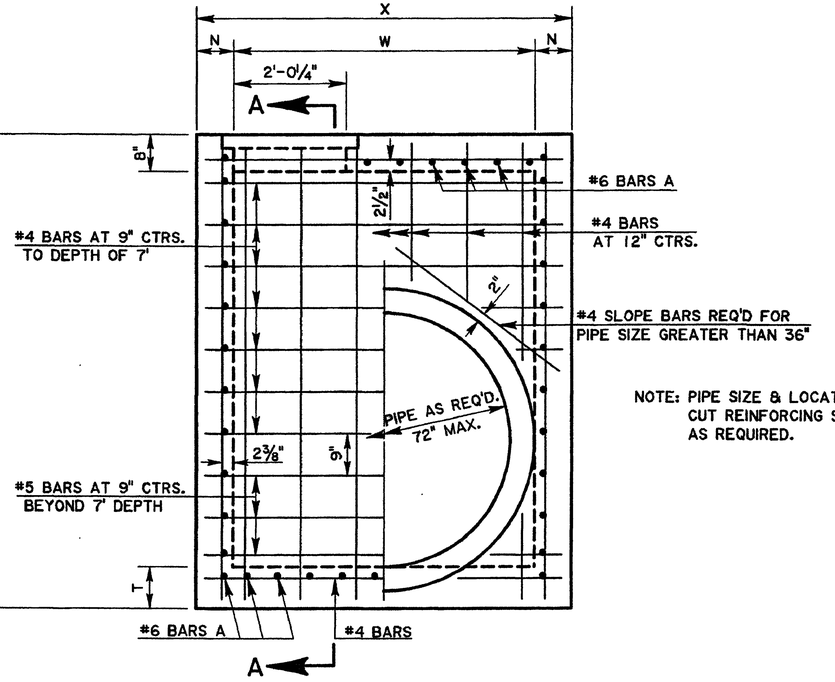
NOTE: X AND W DIMENSIONS MAY BE VARIED FOR SKEWED PIPE, BUT W SHALL NOT EXCEED 7'-2".



#6 BARS A
(4½" Diam. Pin)



SECTION A-A



ELEVATION

NOTE: PIPE SIZE & LOCATION VARIES. CUT REINFORCING STEEL TO CLEAR, AS REQUIRED.

GENERAL NOTES:

SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.

DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.

VERTICAL REINFORCING STEEL MAY BE SPLICED. SPLICE LENGTH IS 35 DIAMETERS.

FOR DETAILS OF GRATE AND SEAT, SEE STD. PLAN MC-01 (TYPE B or C).

SEE PLANS FOR TYPE OF GRATE TO BE USED FOR EACH CATCH BASIN.

SHEET NUMBER 312

PARISH: JEFFERSON | FEDERAL PROJECT | STATE PROJECT: H.007208

DESIGNED: PAA | DETAILED: KAJ | WMR | CHECKED | DATE: 1-31-97 | SHEET: 1 OF 1

BY: JCM

11-2-00 Converted Metric CB-02M to English CB-02

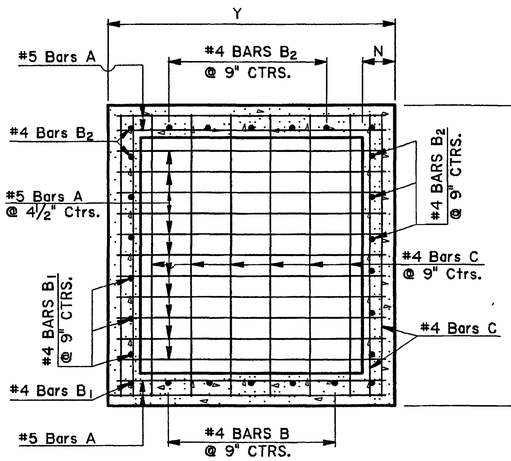
DATE | REVISION DESCRIPTION

APPROVED BY CHIEF ENGINEER: [signature] DATE: 1-2-00

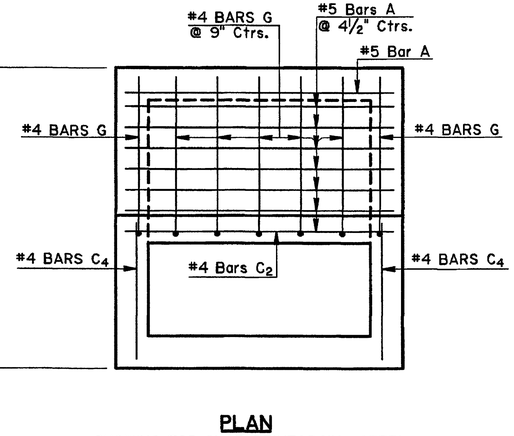
CONCRETE OPEN TOP CATCH BASIN
Max. Pipes: 72" x 42"
Max. Depth: 12'
To Be Used In Conjunction With Std. Plan MC-01

STANDARD PLAN: CB-02

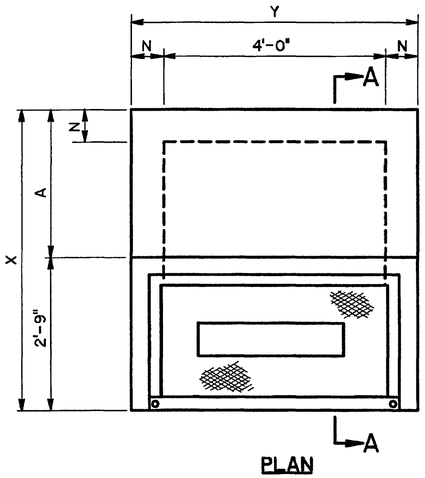
HYDRAULICS SECTION



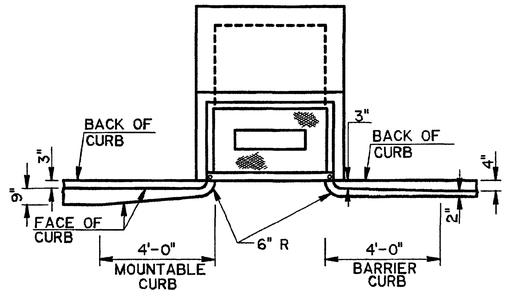
SECTION
SHOWING BOTTOM SLAB REINFORCING STEEL



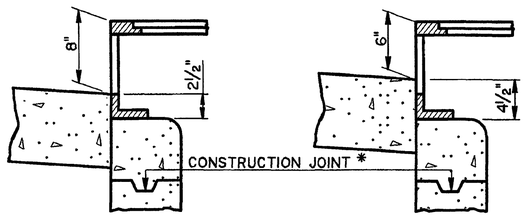
PLAN
SHOWING TOP SLAB REINFORCING STEEL



PLAN
FOR DETAILS OF METAL GRATE AND COVER, SEE STD. PLAN MC-01, TYPE "H".



TRANSITION IN CURB WIDTH
(TYPICAL)

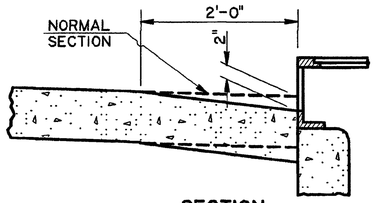


INLET CONFIGURATION

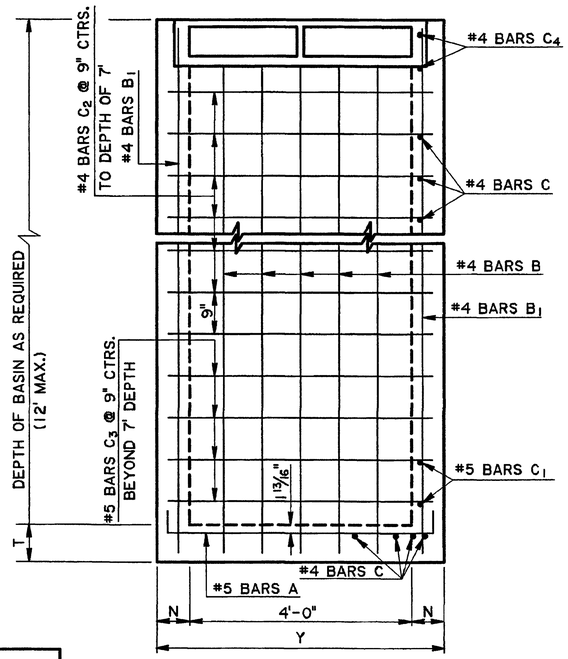
WHEN USED WITH
6" BARRIER CURB

WHEN USED WITH
4" MOUNTABLE CURB

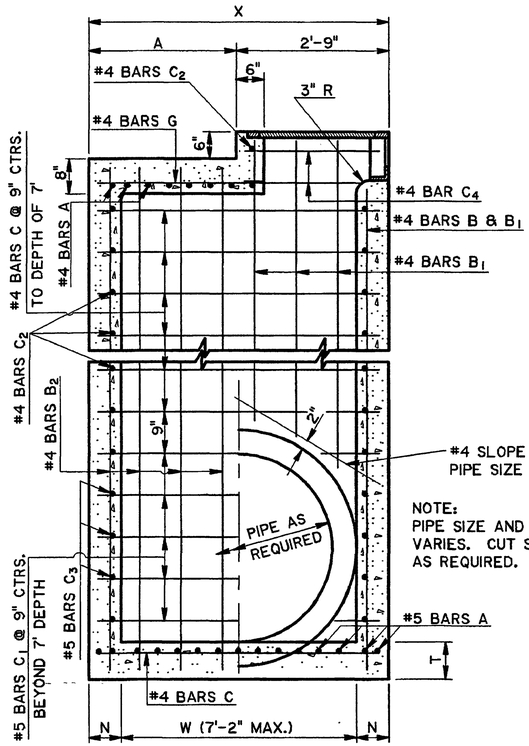
*NOTE:
THE BASIN SHALL NOT BE CONSTRUCTED ABOVE BOTTOM OF PAVEMENT ELEVATION UNTIL THE PAVING ADJACENT TO THE BASIN IS IN PLACE.



SECTION
SHOWING PAVEMENT SUMP
TYPICAL

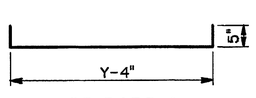


ELEVATION

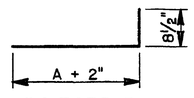


SECTION A-A

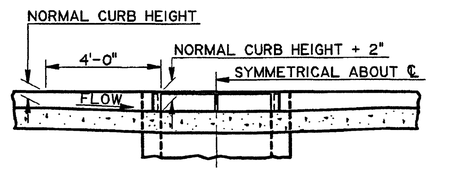
NOTE:
PIPE SIZE AND LOCATION VARIES. CUT STEEL TO CLEAR AS REQUIRED.



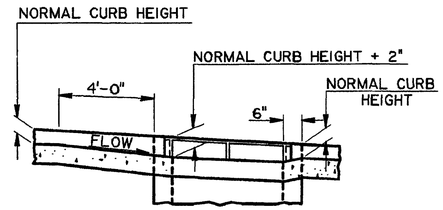
#5 BARS A



#4 BARS G



TRANSITION IN CURB HEIGHT
CATCH BASIN AT LOW POINT



TRANSITION IN CURB HEIGHT
CATCH BASIN ON A GRADE

CONCRETE CATCH BASIN

PIPE DIA. ①	W ②	T	DEPTH LESS THAN 8'				DEPTH FROM 8' TO 12'			
			X	Y	N	A	X	Y	N	A
In	Ft-In	In	Ft-In	Ft-In	In	Ft-In	Ft-In	Ft-In	In	Ft-In
15 to 24	2-6	8	3-8	5-2	7	0-11	3-10	5-4	8	1-1
30	3-1	8	4-3	5-2	7	1-6	4-5	5-4	8	1-8
36	3-8	8	4-10	5-2	7	2-1	5-0	5-4	8	2-3
42	4-3	8	5-5	5-2	7	2-8	5-7	5-4	8	2-10
48	4-10	8	6-0	5-2	7	3-3	6-2	5-4	8	3-5
54	5-5	9	6-7	5-2	7	3-10	6-9	5-4	8	4-0
60	6-0	9	7-2	5-2	7	4-5	7-4	5-4	8	4-7
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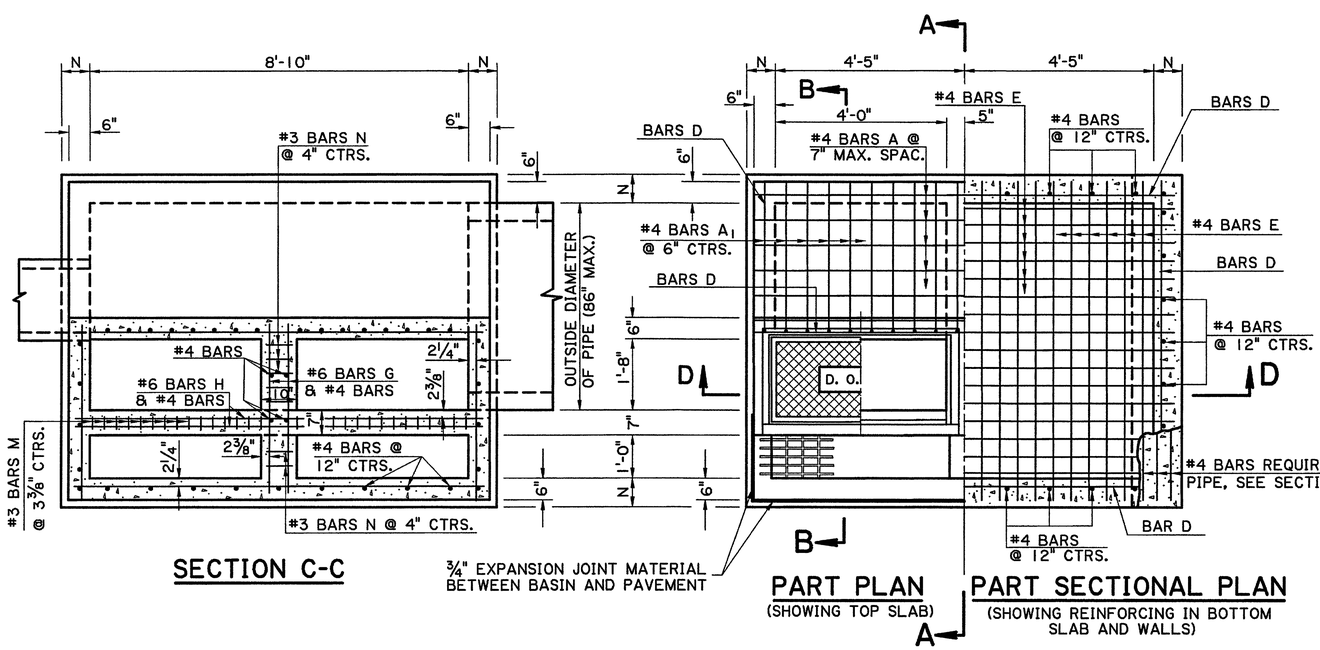
① REFERS TO SIDEWALL PIPE OR "TRUNKLINE". FRONTWALL OR "CROSSING PIPE" MAY NOT EXCEED 42".

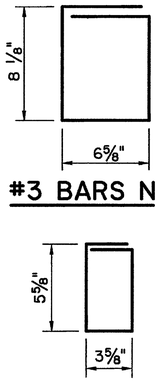
② W AND X DIMENSIONS MAY BE VARIED FOR SKEWED PIPE, BUT W SHALL NOT EXCEED 7'-2".

SHEET NUMBER 313
PARISH JEFFERSON
FEDERAL PROJECT
STATE PROJECT H.007208
DESIGNED CDJ
CHECKED HJB
DETAILED KAJ
CHECKED WMR
DATE 1-31-97
SHEET 1 OF 1
BY JCM
REVISION DESCRIPTION Converted Metric CB-06M to English CB-06
DATE 11-2-00
APPROVED BY CHIEF ENGINEER
DATE: 11-2-00

CONCRETE CATCH BASIN
CURB OPENING
4" MOUNTABLE OR 6" BARRIER CURB
MAX. PIPES: 42" X 72", MAX. DEPTH: 12'
STANDARD PLAN CB-06

HYDRAULICS SECTION



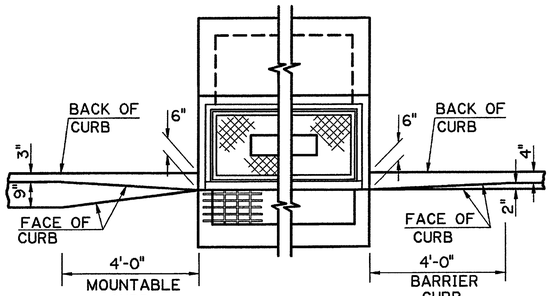


GENERAL NOTES:

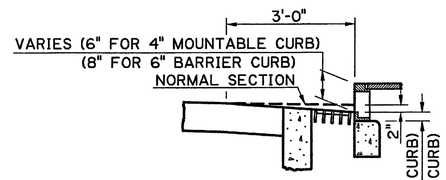
1. CATCH BASIN IS DESIGNED ACCORDING TO 4TH ED. 2007 AASHTO LRFD PROCEDURES. SECTION 702 OF THE DOTD STANDARD SPECIFICATIONS SHALL APPLY.
2. CONCRETE: ALL CONCRETE SHALL BE CLASS "M" MINOR STRUCTURE. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾ IN. EXCEPT AS NOTED.
3. REINFORCING STEEL: REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS ARE TO BAR CENTERS. MINIMUM COVER FOR REINFORCING BARS SHALL BE 2 IN. CLEAR UNLESS SHOWN OTHERWISE.
4. AS DEPTH INCREASES THE WALL AND SLAB THICKNESSES AND REINFORCEMENT SHOULD BE INCREASED AS SHOWN IN THE TABLE BELOW. THE CONTRACTOR HAS THE OPTION TO PROVIDE THE MAXIMUM REQUIRED WALL THICKNESS FOR THE FULL DEPTH OF THE STRUCTURE.

DEPTH RANGE	WALLS			BOTTOM SLAB		
	N BARS			T & E BARS		
	IN.	SIZE	SPAC.,IN.	IN.	SIZE	SPAC.,IN.
0' TO 7'	6.0	4	4.5	6.0	4	7.5
7'-1" TO 11'	7.0	4	5.0	6.5	4	5.5
11'-1" TO 18'	8.0	5	5.5	7.5	4	4.5
18'-1" TO 20'	8.5	5	5.5	8.0	4	4.0

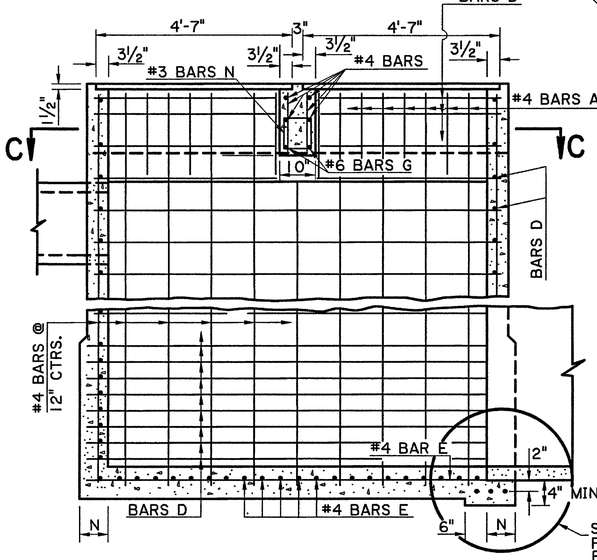
5. FOR DETAILS OF METAL COVER, FRAME, AND GRATE, SEE STD. PLAN MC-01, TYPE H & TYPE I.
6. THE CONTRACTOR WILL NOT POUR ABOVE THE BOTTOM OF THE SLAB UNTIL THE PAVING ADJACENT TO THE CATCH BASIN HAS BEEN COMPLETED.



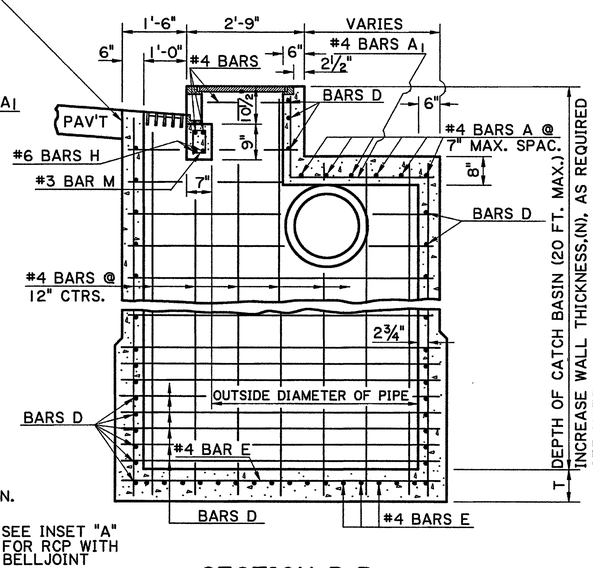
TRANSITION IN CURB WIDTH
(TYPICAL)



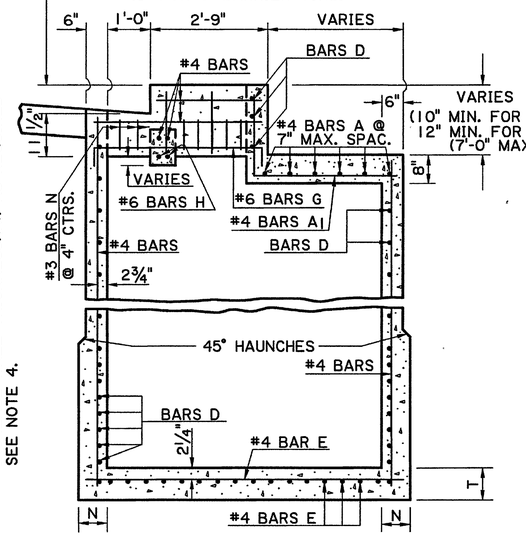
SECTION
(SHOWING PAVEMENT SUMP TYPICAL)



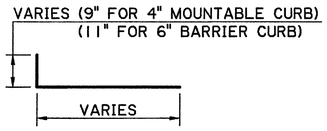
SECTION D-D



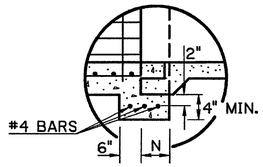
SECTION B-B



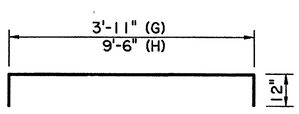
SECTION A-A
SHOWING MOUNTABLE CURB



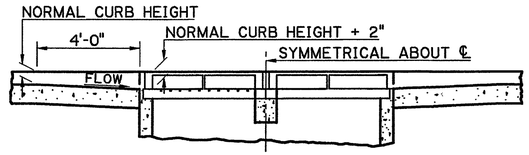
#4 BARS A1



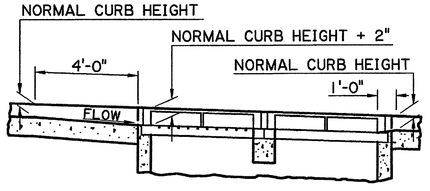
INSET "A"
RCP WITH BELLJOINT



#6 BARS G & H



TRANSITION IN CURB HEIGHT
CATCH BASIN AT LOW POINT



TRANSITION IN CURB HEIGHT
CATCH BASIN ON A GRADE

SHEET NUMBER 314

PARISH JEFFERSON | FEDERAL PROJECT | STATE PROJECT H.007208

DESIGNED PAA | DETAILED KAJ | DATE 7-16-97
CHECKED | CHECKED WMR | SHEET 1 OF 1

DATE: 10-7-10

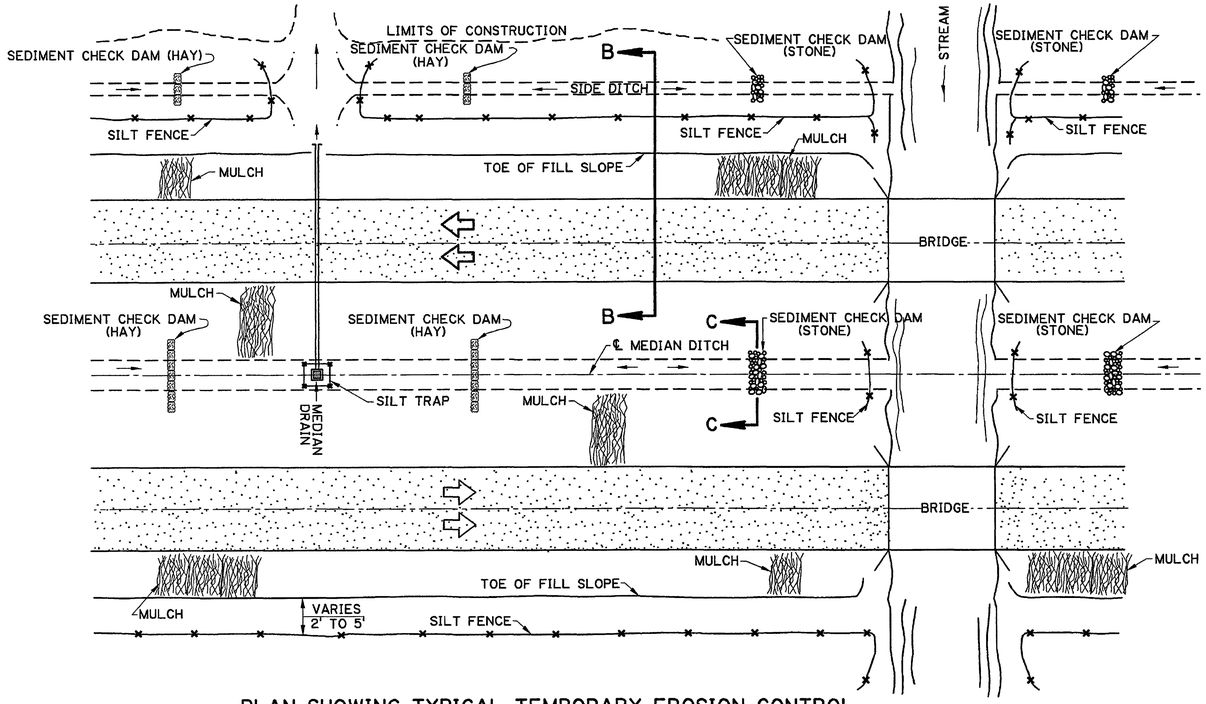
BY	REVISION DESCRIPTION	DATE
MH	Revised To 2007 AASHTO LRFD Procedures	10-7-10
JCM	Converted Metric CB-08M to English CB-08	11-2-00

APPROVED BY CHIEF ENGINEER:

CONCRETE CATCH BASIN
DOUBLE COMBINATION TYPE
4' Mountable Or 6" Barrier Curb
Max. Pipes: 72"x 84" RCP, Max. Depth: 20'

STANDARD PLAN CB-08

HYDRAULICS SECTION

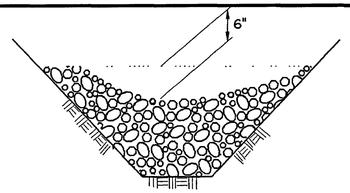


PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

MULCHES

MULCHES ARE THE APPLICATION OF MATS OF MATERIAL PLACED ON THE SOIL SURFACE TO PREVENT EROSION BY PROTECTING THE SOIL SURFACE FROM RAINDROP IMPACT AND TO REDUCE THE VELOCITY OF OVERLAND FLOW. MULCHES CAN BE ORGANIC OR SYNTHETIC. MULCHES SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL. A FEW GUIDELINES FOR THE USE OF MULCHES ARE:

1. USE ON CUT AND EMBANKMENT SLOPES WHICH HAVE NOT BEEN COMPLETED TO PLAN GRADE OR WHERE THE WEATHER OR SOIL CONDITIONS WILL NOT PERMIT COMPLETING THEM WITHIN A REASONABLE TIME
2. USE ON CLEARED, GRUBBED , AND SCALPED AREAS WHERE SOIL EROSION IS LIKELY TO occur
3. USE WITH TEMPORARY SEEDING



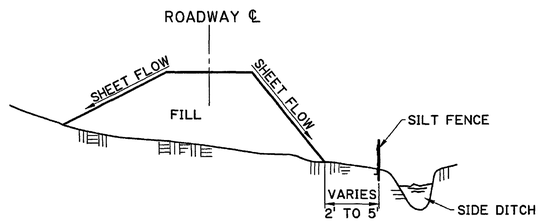
SECTION C-C

TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: TEMPORARY SEDIMENT CHECK DAM (STONE)

NOTES:
A STONE CHECK DAM IS A SMALL TEMPORARY DAM CONSTRUCTED ACROSS A SWALE OR DRAINAGE DITCH. THE PURPOSE OF THIS MEASURE IS TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS, THEREBY REDUCING EROSION OF THE SWALE OR DITCH. THE STONE CHECK DAM WILL TRAP SMALL AMOUNTS OF SEDIMENTS GENERATED IN THE DITCH ITSELF, HOWEVER IT SHOULD NOT BE USED AS A SEDIMENT TRAPPING DEVICE. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF STONE CHECK DAMS ARE:

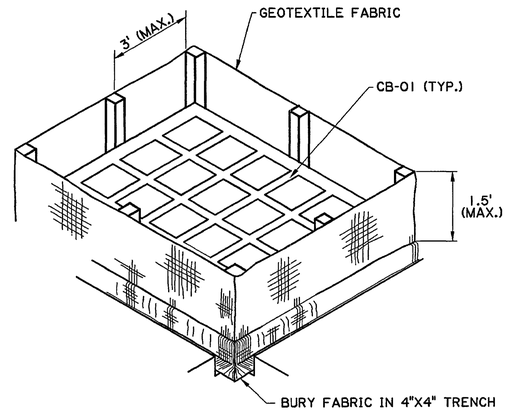
1. USE IN SMALL OPEN CHANNELS WHICH DRAIN 10 ACRES OR LESS
2. DO NOT USE IN A LIVE STREAM
3. USE IN A TEMPORARY DITCH OR SWALE WHICH, BECAUSE OF THEIR SHORT LENGTH OF SERVICE, CANNOT RECEIVE A NON- ERODIBLE LINING
4. USE IN PERMANENT DITCHES OR SWALES WHICH WILL NOT RECEIVE A PERMANENT LINING FOR AN EXTENDED PERIOD OF TIME
5. USE IN TEMPORARY OR PERMANENT DITCHES OR SWALES WHICH NEED PROTECTION DURING THE ESTABLISHMENT OF GRASS LININGS
6. FOR STONE SPECIFICATIONS, SEE PROJECT SPECIFICATIONS FOR RIPRAP, (CLASS 2 LB)



SECTION B-B

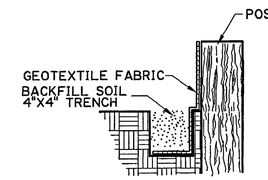
TEMPORARY SILT FENCE APPLICATION

(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)

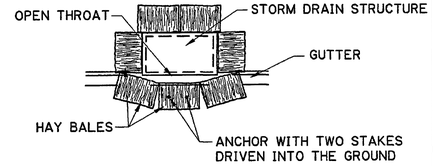


ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

(BACKFILL SOIL NOT SHOWN)



SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC



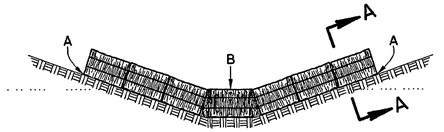
PLAN SHOWING HAY BALES

PAY ITEM: TEMPORARY HAY OR STRAW BALES

TEMPORARY INLET SILT TRAP

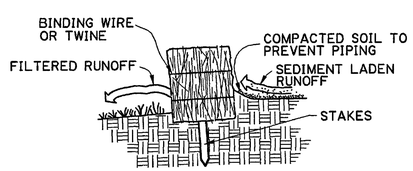
THE TEMPORARY DROP INLET SILT TRAP IS TO BE USED FOR SMALL DRAINAGE AREAS (LESS THAN 1 ACRE) WHERE THE STORM DRAIN IS FUNCTIONAL BEFORE THE AREA IS STABILIZED. THE TRAP CAN BE EITHER GEOTEXTILE FABRIC OR HAY BALES.

1. THE GEOTEXTILE FABRIC SHALL CONFORM TO PROJECT SPECIFICATIONS FOR GEOTEXTILE FABRIC (CLASS G).
2. WOODEN STAKES SUPPORTING THE FABRIC SHALL BE 2" X 2" OR 2" X 4" WITH A MINIMUM LENGTH OF 3 FEET. THE STAKES SHALL BE SPACED AROUND THE INLET AT A MAXIMUM SPACING OF 3 FEET.
3. THE HEIGHT OF THE FABRIC ABOVE THE INLET SHALL BE LIMITED TO 1.5' AND THE BOTTOM OF THE FABRIC SHALL BE BURIED IN A TRENCH APPROXIMATELY 4" WIDE BY 4" DEEP. THE FABRIC SHALL BE STAPLED TO THE POST WITH ½" STAPLES.
4. THE TRAP SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM. THE SEDIMENT SHOULD BE REMOVED AND EACH STAKE SHOULD BE FIRMLY IN THE GROUND.
5. HAY BALES SHALL BE PLACED SO THAT THE BINDING WIRE OR TWINE IS NOT IN CONTACT WITH THE GROUND.



POINTS A SHOULD BE HIGHER THAN POINT B.

ELEVATION



SECTION A-A

TEMPORARY SEDIMENT CHECK DAM (HAY)

PAY ITEM: TEMPORARY SEDIMENT CHECK DAM (HAY)

NOTES:
A HAY BALE BARRIER IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A ROW OF ENTRENCHED AND ANCHORED BALES OF STRAW OR HAY. THE HAY BALE BARRIER IS ALSO USED AS A CHECK DAM TO REDUCE THE VELOCITY IN SMALL DITCHES OR SWALES. THE HAY BALES SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL.
A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A HAY BALE BARRIER ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION
2. USE IN MINOR SWALES OR DITCHES WHERE THE MAXIMUM DRAINAGE AREA IS 2 ACRES
3. ONLY USE WHERE THE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS
4. DO NOT USE IN LIVE STREAMS OR IN SWALES OR DITCHES WHERE THERE IS A POSSIBILITY OF A WASHOUT

SHEET NUMBER 315

PARISH: JEFFERSON | FEDERAL PROJECT | STATE PROJECT: H.007208

DESIGNED: JCM | DETAILED: KAJ | DATE: 1-14-94
CHECKED | CHECKED: JCM | SHEET: 1 OF 2

BY	DATE	REVISION DESCRIPTION
MH	10-1-08	REMOVE SPECIFIC PAY ITEM NOS., GENERAL REVISIONS

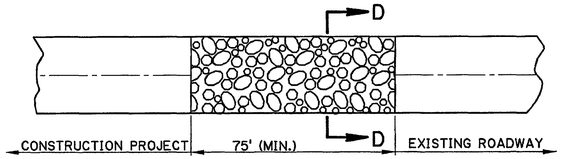
APPROVED BY CHIEF ENGINEER: [signature] DATE: 10-1-08

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY EROSION CONTROL DETAILS

STANDARD PLAN: EC-01

HYDRAULICS SECTION



PLAN



SECTION D-D

TEMPORARY STONE CONSTRUCTION ENTRANCE

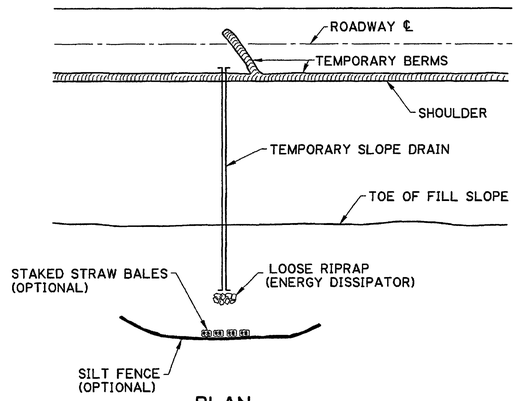
PAY ITEM: TEMPORARY STONE CONSTRUCTION ENTRANCE

NOTES:

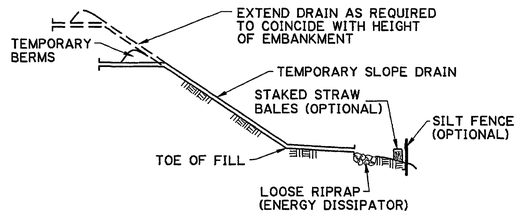
TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON THE CONSTRUCTION SITE TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A STONE ENTRANCE AND/OR WASH RACKS ARE:

1. THE STONE LAYER MUST BE AT LEAST 6 INCHES THICK.
2. THE STONE SHALL CONFORM TO PROJECT SPECIFICATIONS FOR RIPRAP (CLASS 2 LB).
3. THE LENGTH OF THE PAD MUST BE A LEAST 75 FEET AND IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS.
4. A GEOTEXTILE FABRIC UNDERLINER IS REQUIRED. THE GEOTEXTILE FABRIC SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR GEOTEXTILE FABRIC (CLASS D).
5. IF A WASH RACK IS NECESSARY, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE.



PLAN



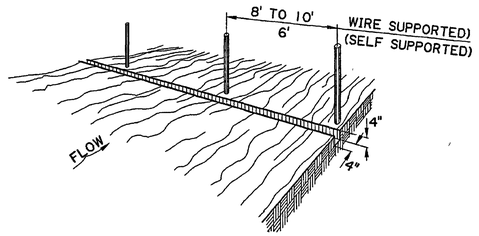
ELEVATION

TEMPORARY SLOPE DRAIN

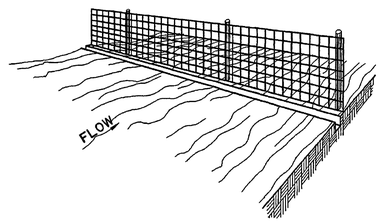
A TEMPORARY SLOPE DRAIN IS A DEVICE USED TO CARRY WATER FROM THE CONSTRUCTION WORK AREA TO A LOWER ELEVATION. SLOPE DRAINS MAY BE PLASTIC SHEET, METAL OR PLASTIC PIPE, STONE GUTTERS, FIBER MATS, OR CONCRETE OR ASPHALT DITCHES. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A TEMPORARY SLOPE DRAIN ARE:

1. THE SPACING OF THE SLOPE DRAINS VARIES WITH THE ROAD GRADE.
   FOR GRADES: 0.0% - 2.0% USE 500' SPACING
   2.1% - 5.0% USE 200' SPACING
   GREATER THAN 5.0% USE 100' SPACING
2. SLOPE DRAIN MATERIAL: SMOOTH PIPE - 8" MINIMUM - 3 MILS THICK MIN.
   CORRUGATED PIPE - 12" MINIMUM
   PLASTIC SHEETING - 4' WIDE MINIMUM
   PLASTIC SHEETING - 3 MILS THICK MIN.
3. PLASTIC SHEETING CAN BE STAKED DOWN OR WEIGHTED WITH ROCKS OR LOGS. THE AREA UNDER THE SHEETING SHOULD BE SHAPED TO PROVIDE AN ADEQUATE CHANNEL.
4. THE OUTLET END SHOULD BE PROTECTED OR HAVE SOME MEANS OF DISSIPATING ENERGY. THE FLOW SHOULD BE DIRECTED THROUGH A SEDIMENT TRAP SUCH AS A SILT FENCE, HAY BALES, OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
5. TO INSURE PROPER OPERATION, TEMPORARY SLOPE DRAINS SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM, FOR CLOGGING OR DISPLACEMENT. EROSION AT THE OUTLET SHOULD BE CHECKED AND THE SILT TRAPS CLEANED IF NECESSARY.

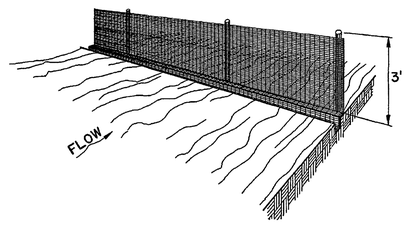
1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.



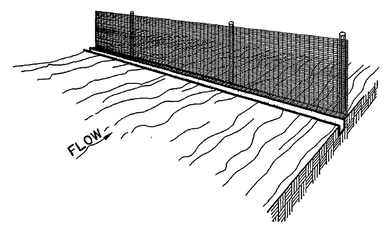
2. STAPLE WIRE FENCING TO THE POSTS.



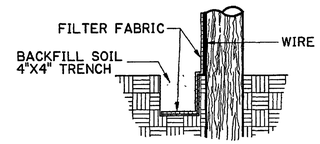
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT EXCAVATED SOIL.



EXTENSION OF FABRIC INTO THE TRENCH.



CONSTRUCTION OF TEMPORARY SILT FENCING

(WIRE SUPPORTED SILT FENCE IS SHOWN. SELF SUPPORTED SILT FENCE WILL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.)

NOTES:

SILT FENCING IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC SUPPORTED BY POSTS AND STRETCHED ACROSS AN AREA TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT. THE SILT FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL. A FEW BASIC GUIDELINES FOR THE USE OF SILT FENCING ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION
2. USE WHERE THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE IS 1/4 ACRE PER 100 FEET OF SILT FENCE LENGTH
3. USE WHERE THE MAXIMUM SLOPE LENGTH BEHIND THE BARRIER IS 100 FEET
4. USE THERE THE MAXIMUM GRADIENT BEHIND THE BARRIER IS 2:1
5. DO NOT USE SILT FENCES IN LIVE STREAMS OR IN DITCHES OR SWALES WHERE FLOWS EXCEED ONE CUBIC FOOT PER SECOND

SHEET NUMBER 316

PARISH	FEDERAL PROJECT	STATE PROJECT
JEFFERSON		H.007208

DESIGNED / CHECKED	DETAILED / CHECKED	DATE / SHEET
JCM	KAJ / JCM	1-14-94 / 2 OF 2

BY	DATE	REVISION DESCRIPTION
MH	10-1-08	REMOVE SPECIFIC PAY ITEM NOS.. GENERAL REVISIONS

APPROVED BY CHIEF ENGINEER: Wilbert J. Templet

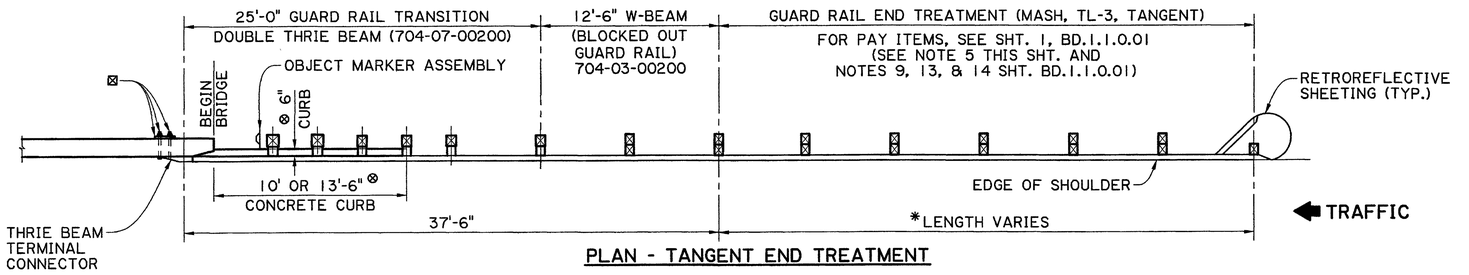
DATE: 10-1-08

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

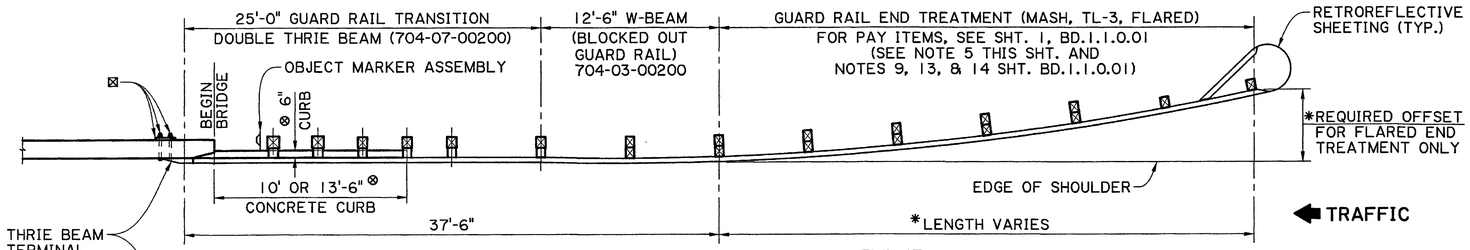
TEMPORARY EROSION CONTROL DETAILS

STANDARD PLAN EC-01

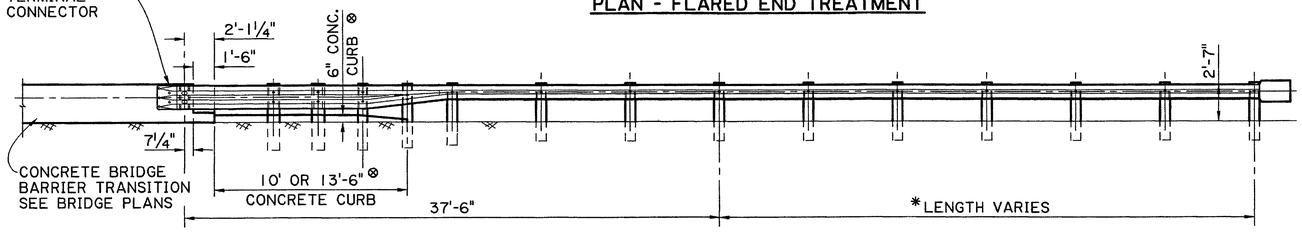
HYDRAULICS SECTION



PLAN - TANGENT END TREATMENT

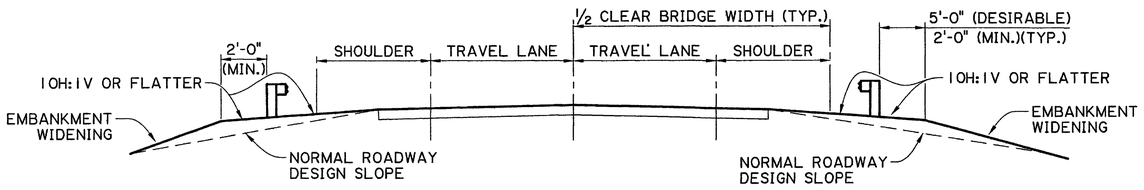


PLAN - FLARED END TREATMENT



⊠ 7/8" ø H.S. HEX. BOLTS WITH 5/8" BEARING PLATE (SEE STANDARD PLAN BD.1.1.0.09).

ELEVATION
(NOT TO SCALE)



TYPICAL CROSS SECTION EMBANKMENT WIDENING
(NOT TO SCALE)

NOTES

1) FOR ADDITIONAL GUARD RAIL DETAILS AND INFORMATION, SEE STANDARD PLAN BD.1.1.0.01 THRU BD.1.1.0.11.

2) FOR CONCRETE BRIDGE BARRIER TRANSITION DETAILS, SEE BRIDGE PLANS.

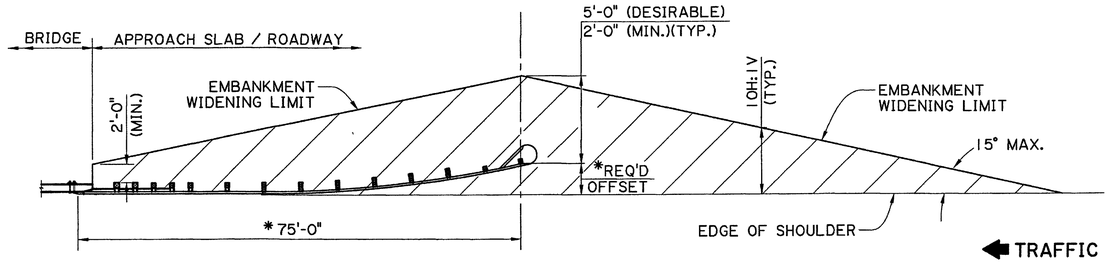
3) OBJECT MARKERS (TYPE 3) SHALL BE PAID UNDER ITEM 729-16-00300.

4) THE QUANTITY FOR THE EMBANKMENT WIDENING AT BRIDGE ENDS SHALL BE INCLUDED IN THE EMBANKMENT QUANTITY FOR THE ROADWAY.

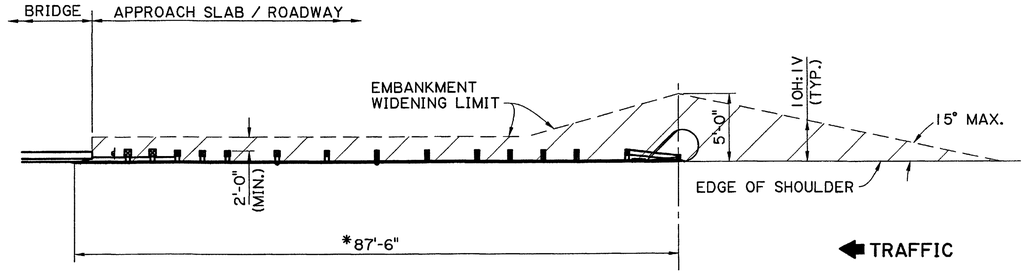
* 5) USE REQUIRED OFFSET AS PER GUARD RAIL FLARED END TREATMENT REQUIREMENTS. SEE DOTD APPROVED MATERIALS LIST (AML) FOR GUARD RAIL END TREATMENTS (MASH). LENGTH VARIES BASED ON END TREATMENT TYPE USED.

⊗ 6) USE 10'-0" LONG CONCRETE CURB AND 6" CURB HEIGHT FOR 10' APPROACH SLAB, SEE APPROACH SLAB DETAILS FOR FURTHER INFORMATION.

USE 13'-6" LONG CONCRETE CURB FOR ≥ 20' APPROACH SLAB, CURB HEIGHT VARIES FROM 6" TO 2", SEE APPROACH SLAB DETAILS FOR FURTHER INFORMATION.



TYPICAL PLAN FOR EMBANKMENT WIDENING - FLARED END TREATMENT
(TYPICAL FOR EACH END OF BRIDGE)
(NOT TO SCALE)



TYPICAL PLAN FOR EMBANKMENT WIDENING -TANGENT END TREATMENT
(TYPICAL FOR EACH END OF BRIDGE)
(NOT TO SCALE)

SHEET NUMBER 317

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN	CHECK	DETAIL	CHECK	REVIEW	SERIES
P. FOSSIER	K. BRAUNER	J. DOUCET	K. BRAUNER	C. GUIDRY	1 OF 1

STATE OF LOUISIANA
KURT M. BRAUNER
License No. 30567
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/18/18

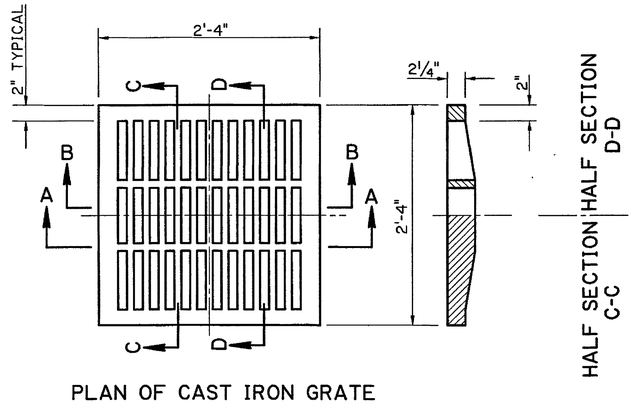
APPROVED BY CHIEF ENGINEER: 1/3/19 DATE:

HIGHWAY GUARD RAIL (MASH) OFF-SYSTEM BRIDGE APPLICATION

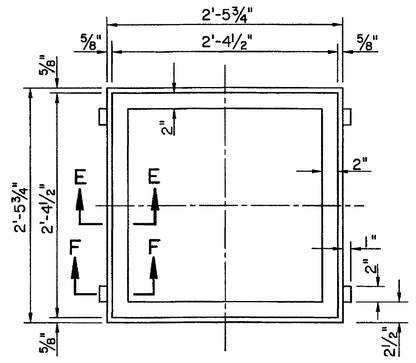
STANDARD PLAN BD.1.2.0.01 GR-MASH-OFF

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

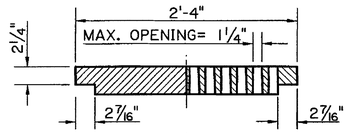
BRIDGE AND STRUCTURAL DESIGN



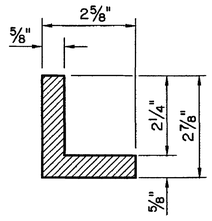
PLAN OF CAST IRON GRATE



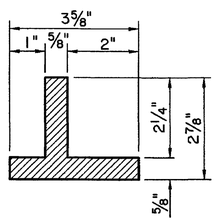
PLAN OF CAST IRON FRAME



HALF SECTION A-A | HALF SECTION B-B



SECTION E-E

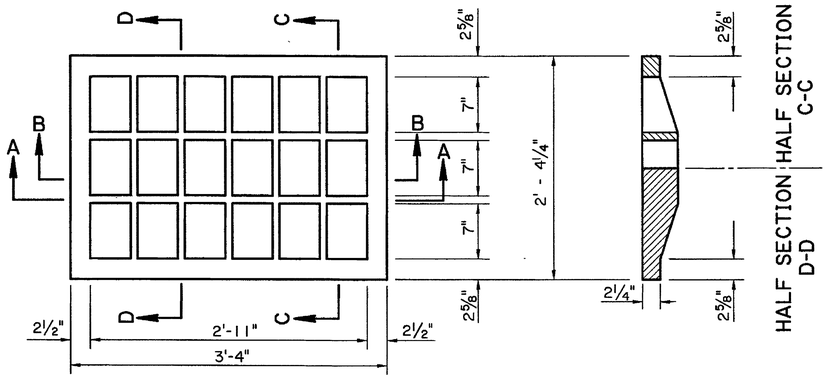


SECTION F-F

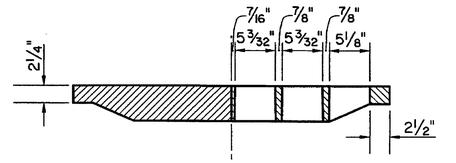
TYPE "A"

CAST IRON GRATE & FRAME

MIN. OPENING = 290 SQ. IN. AREA



PLAN OF CAST IRON GRATE



HALF SECTION A-A | HALF SECTION B-B

TYPE "B"

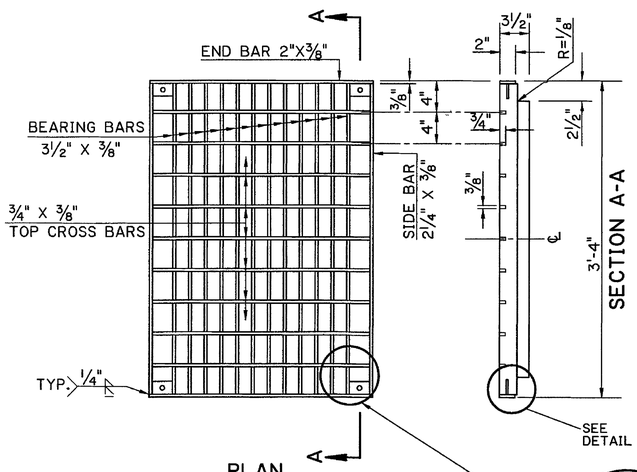
CAST IRON GRATE

NOTE: UNLESS OTHERWISE STATED, TYPE "E" FRAME WILL BE USED WITH THIS GRATE.

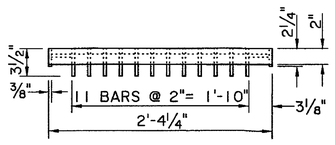
TYPE "C"

STEEL DRAIN GRATE

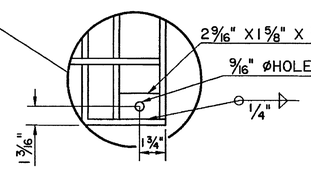
NOTES:
1. GRATES TO BE GALVANIZED AFTER FABRICATION.
2. UNLESS OTHERWISE STATED, TYPE "E$_1$" FRAME IS TO BE USED WITH THESE GRATES. (SEE SHEET 2)
3. SUPPLIER OF GRATE ALSO IS TO FURNISH PRE-FITTED GRATE FRAME.



PLAN



ELEVATION



HOLD-DOWN PLATE

WELDED & SEALED DRAIN GRATE

ALL JOINTS FULL DEPTH ¼" FILLET WELDS WITH SEAL WELDS TOP AND BOTTOM UNLESS NOTED OTHERWISE.

ALL BEARING BARS TO BE SET FLUSH ON GRATE FRAME.

WEIGHT OF DRAIN GRATE = 233 LBS. ± 5%

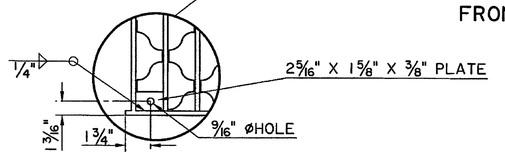
RIVETED RETICULINE DRAIN GRATE (ALTERNATE)

ALL JOINTS FULL DEPTH ¼" FILLET WELDS WITH SEAL WELDS TOP AND BOTTOM UNLESS NOTED OTHERWISE.

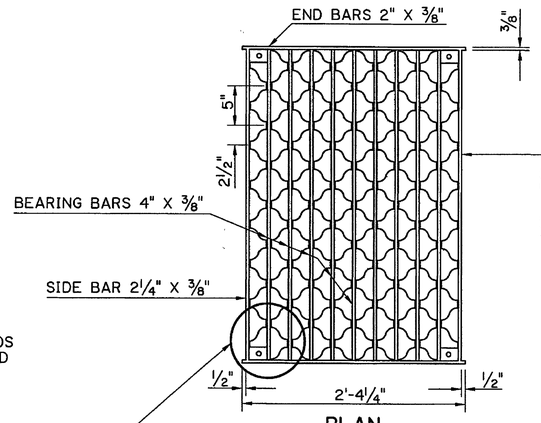
ALL BEARING BARS TO BE SET FLUSH ON GRATE FRAME.

CENTER TO CENTER OF BEARING BARS EQUAL 2⅝" PLUS BEARING BAR THICKNESS.

WEIGHT OF DRAIN GRATE = 266 LBS. ± 5%

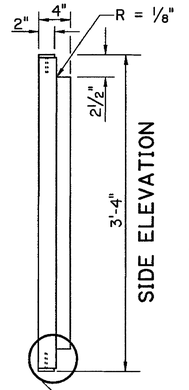


HOLD-DOWN PLATE

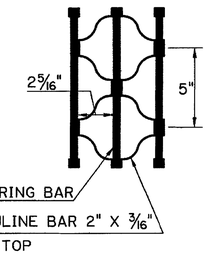


PLAN

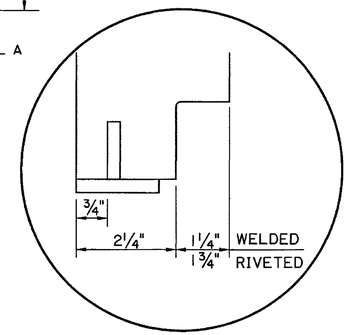
FRONT ELEVATION



SIDE ELEVATION



DRAIN GRATE DETAIL (ALTERNATE)



DETAIL A

STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No. 20252
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5-25-2018

SHEET NUMBER 318

PARISH JEFFERSON | CONTROL SECTION 000-26, 826-11 | STATE PROJECT H.007208

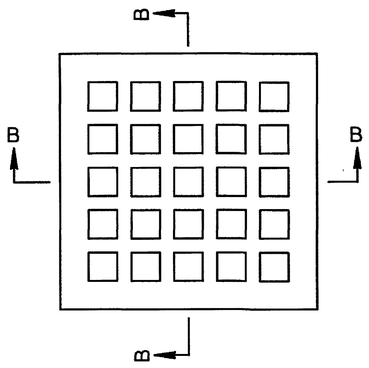
DESIGNED AMA | CHECKED AMA | DETAILED TL | CHECKED AMA | SERIES NUMBER 9/01/17 1 OF 6

REVISION DESCRIPTION | BY | DATE: 5/25/18

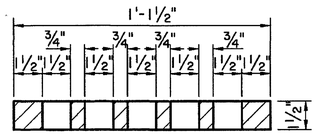
APPROVED BY CHIEF ENGINEER:

DOTD HYDRAULICS SECT. | STANDARD PLAN MC-01

DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES



PLAN

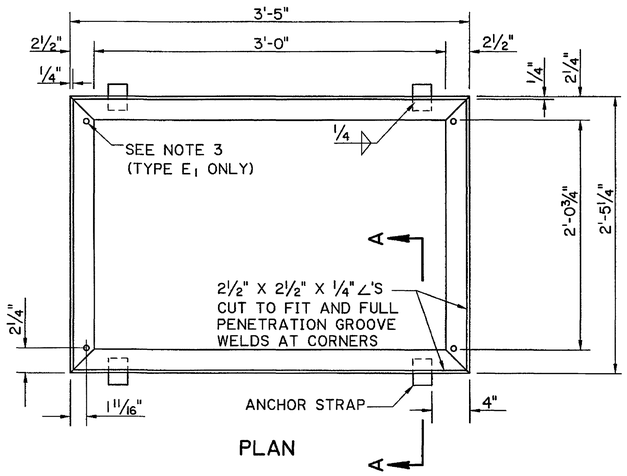


SECTION B-B

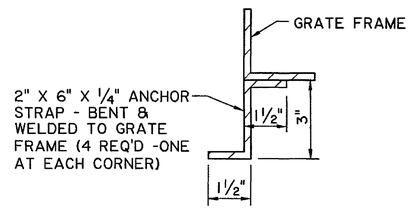
TYPE "D"

CAST IRON GRATE

WEIGHT OF CASTING = 49 LBS



PLAN

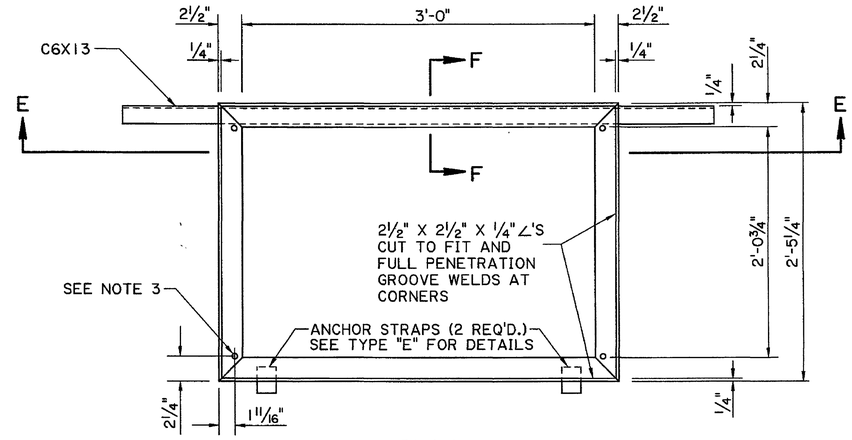


SECTION A-A

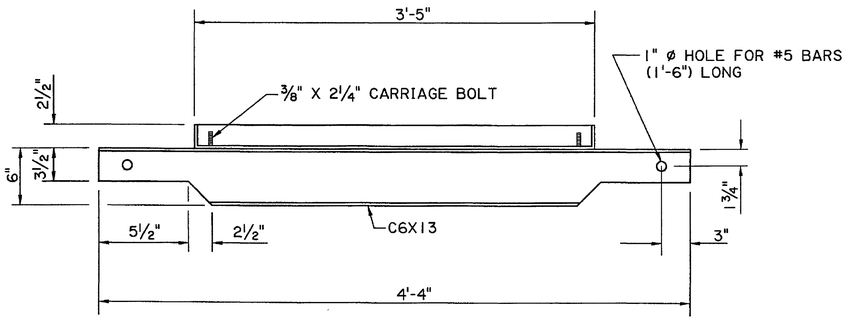
TYPE "E" AND "E₁"

STEEL GRATE FRAME

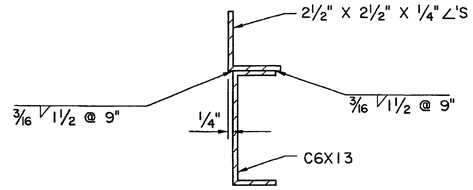
NOTES:
1. GRATE FRAME TO BE GALVANIZED AFTER FABRICATION
2. WEIGHT OF GRATE FRAME = 52 LBS
3. SQUARE PUNCH HOLE PRIOR TO GALVANIZING. ADD A ⅜ ø x 2¼" LONG -16 UNC ROUND HEAD SQUARE NECK CARRIAGE BOLT WITH JAM NUT, HEX HEAD NUT, AND FLAT WASHER (ALL STAINLESS STEEL) AFTER FRAME IS GALVANIZED.



PLAN



SECTION E-E



SECTION F-F

TYPE "F"

STEEL GRATE FRAME

NOTES:
1. GRATE FRAME TO BE GALVANIZED AFTER FABRICATION
2. WEIGHT OF GRATE FRAME = 52 LBS ± 5%
3. SQUARE PUNCH HOLE PRIOR TO GALVANIZING. ADD A ⅜ ø x 2¼" LONG -16 UNC ROUND HEAD SQUARE NECK CARRIAGE BOLT WITH JAM NUT, HEX HEAD NUT, AND FLAT WASHER (ALL STAINLESS STEEL) AFTER FRAME IS GALVANIZED.

STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No 20252
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5-25-2018

SHEET NUMBER 319

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED / CHECKED	DETAILED / CHECKED	SERIES NUMBER
AMA / AMA	TL / AMA	9/01/17 2 OF 6

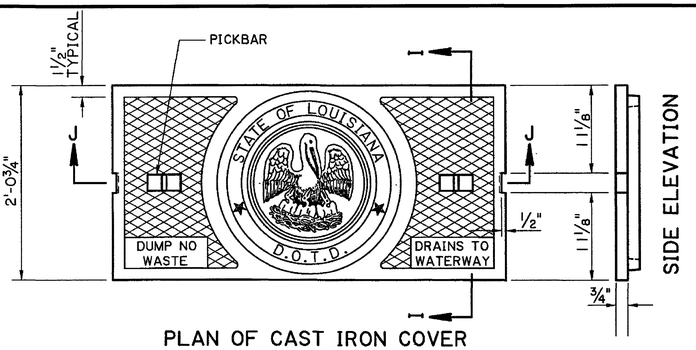
REVISION DESCRIPTION	BY	DATE: 5/25/18

APPROVED BY CHIEF ENGINEER: DATE

DOTD HYDRAULICS SECT.

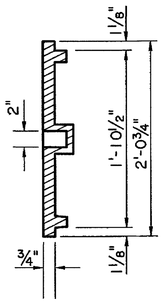
DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

STANDARD PLAN MC-01

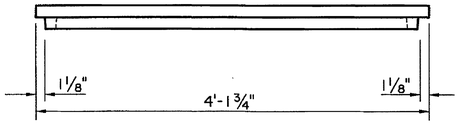


PLAN OF CAST IRON COVER

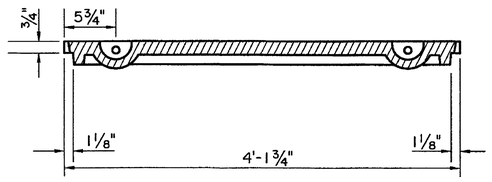
SIDE ELEVATION



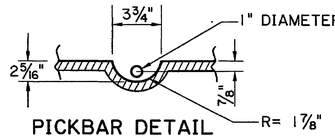
SECTION I-I



FRONT ELEVATION OF CAST IRON COVER



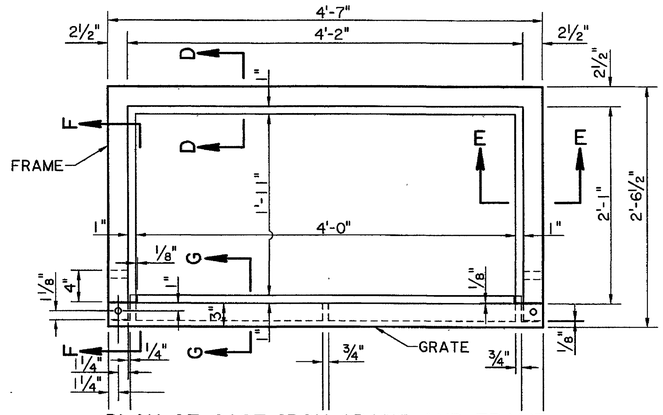
SECTION J-J



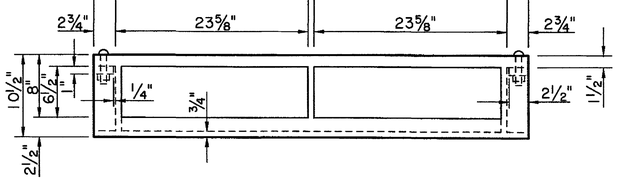
PICKBAR DETAIL

TYPE "H" AND "H$_1$"

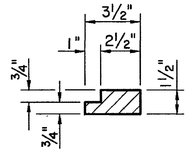
CAST IRON COVER, GRATE AND FRAME



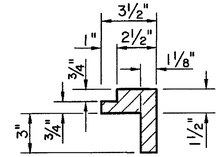
PLAN OF CAST IRON GRATE AND FRAME



FRONT ELEVATION OF CAST IRON GRATE

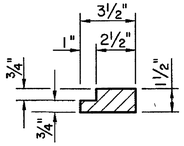


FOR CATCH BASIN "H"

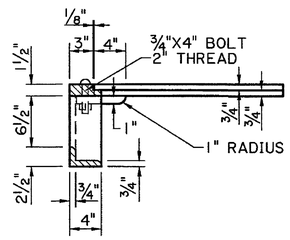


FOR PAVED GUTTER "H$_1$"

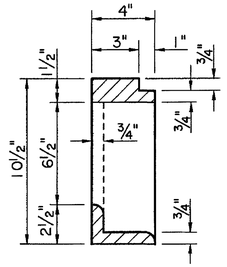
SECTION D-D



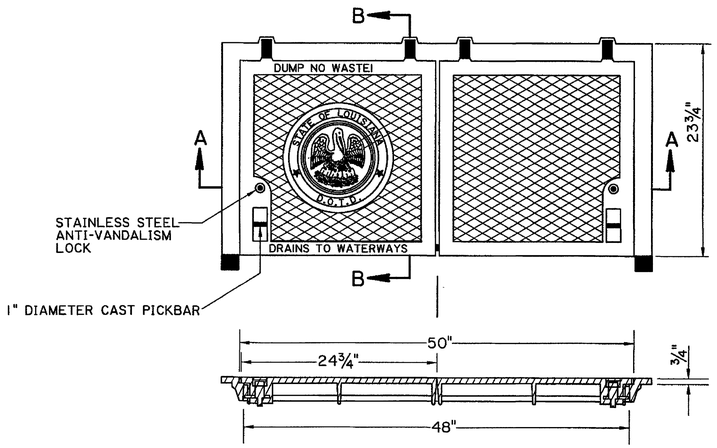
SECTION E-E



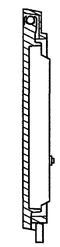
SECTION F-F



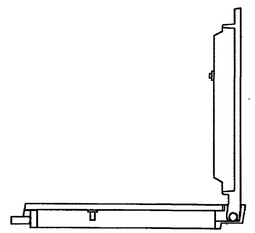
SECTION G-G



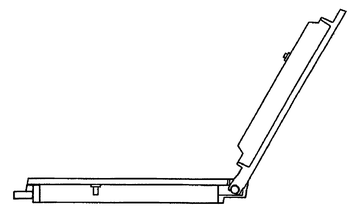
SECTION A-A



SECTION B-B



COVER AT 90 DEGREES
SAFETY STOP POSITION



COVER FULLY OPEN
TO 120 DEGREES

TYPE "H$_S$"

CAST IRON COVER AND FRAME SHOWN (SEE GRATE ABOVE)

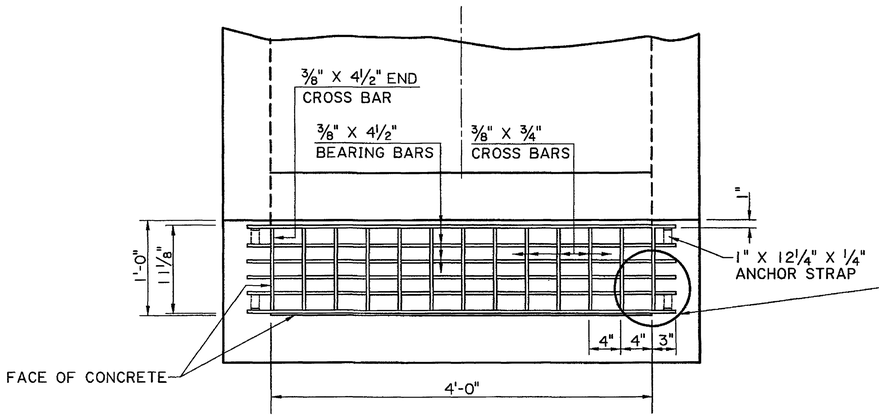
STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No. 20252
REGISTERED
PROFESSIONAL ENGINEER
5-25-2018

SHEET NUMBER	320
PARISH	JEFFERSON
CONTROL SECTION	000-26, 826-11
STATE PROJECT	H.007208
DESIGNED	AMA
CHECKED	AMA
DETAILED	TL
CHECKED	AMA
SERIES NUMBER	9/01/17
	3 OF 6
REVISION DESCRIPTION	BY
DATE:	5/25/18
APPROVED BY CHIEF ENGINEER:	
DATE	

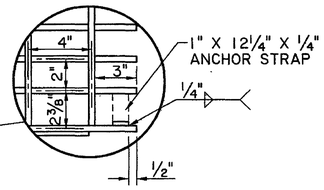
DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

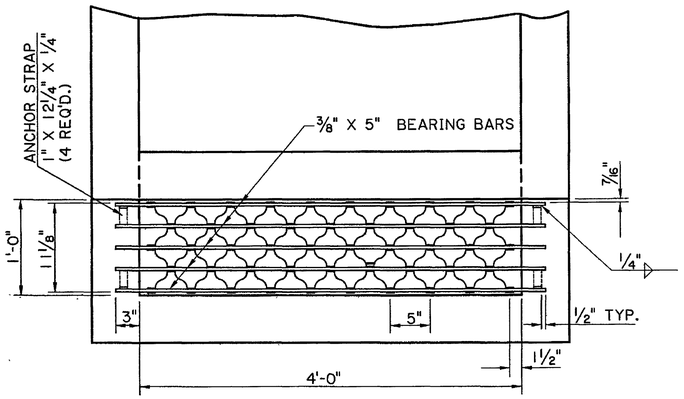
STANDARD PLAN: MC-01

DOTD HYDRAULICS SECT.

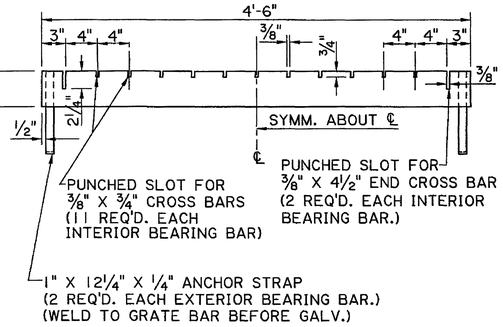


PLAN





PLAN

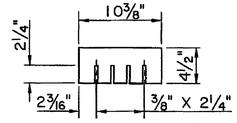


ELEVATION

WELDED & SEALED DRAIN GRATE

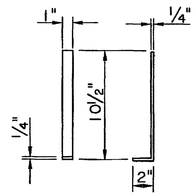
ALL JOINTS FULL DEPTH 1/4" FILLET WELDS WITH SEAL WELD TOP AND BOTTOM UNLESS NOTED OTHERWISE.

WEIGHT OF DRAIN GRATE = 185 LBS. ± 5%

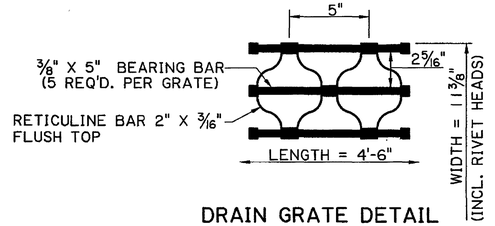


PUNCHED SLOTS @ 2" CTRS.

3/8"X4 1/2" END CROSS BAR
(2 REQ'D. PER GRATE)



STEEL ANCHOR STRAP
(4 REQ'D. PER GRATE)



DRAIN GRATE DETAIL
(ALTERNATE)

RIVETED RETICULINE DRAIN GRATE (ALTERNATE)

CENTER TO CENTER OF BEARING BARS EQUAL 2 11/16".

WEIGHT OF DRAIN GRATE = 176 LBS. ± 5%

TYPE " I "

STEEL DRAIN GRATE

GRATE TO BE GALVANIZED AFTER FABRICATION.

STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No. 20252
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5-25-2018

SHEET NUMBER 321

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	SERIES NUMBER
AMA	AMA	TL	AMA	9/01/17 4 OF 6

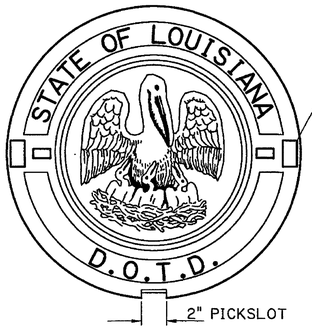
REVISION DESCRIPTION | BY | DATE: 5/25/18

APPROVED BY CHIEF ENGINEER | DATE

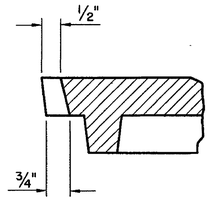
DOTD HYDRAULICS SECT.

STANDARD PLAN NO. MC-01

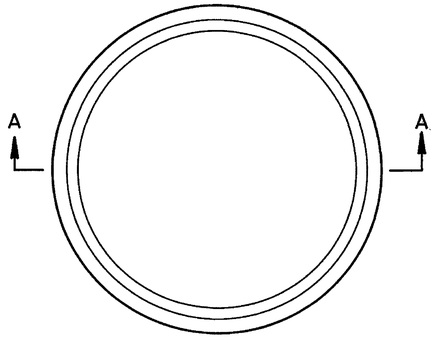
DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES



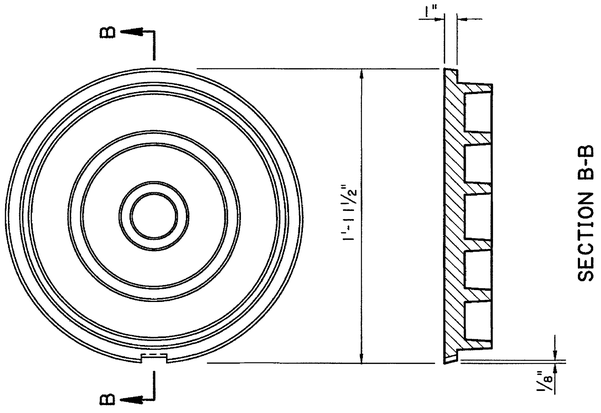
PLAN OF CAST IRON COVER



PICKSLOT DETAIL

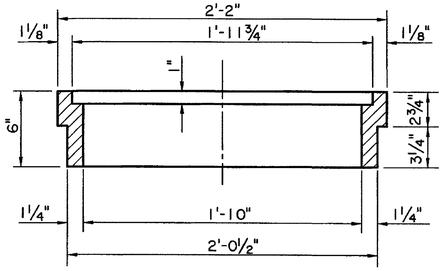


PLAN OF CAST IRON FRAME



SECTION B-B

BOTTOM OF CAST IRON COVER

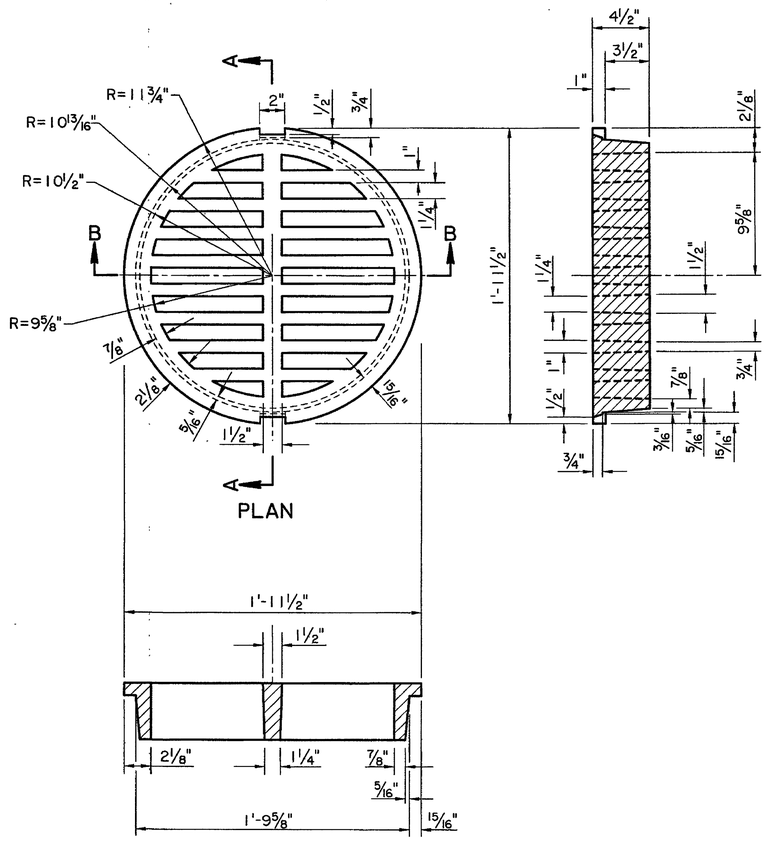


SECTION A-A

TYPE "K"

CAST IRON COVER & FRAME

PICKBAR DETAIL LEFT TO FABRICATOR



PLAN

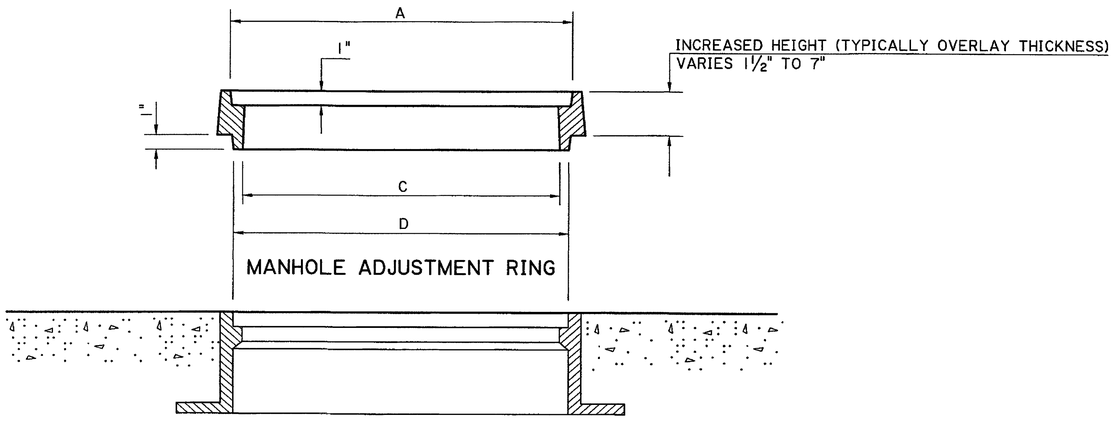
SECTION A-A

SECTION B-B

TYPE "K1"

CAST IRON GRATE

NOTES: 1. APPROX. WEIGHT OF CAST IRON COVER = 250 LBS.
2. TO BE USED WITH TYPE "K" CAST IRON FRAME.



EXISTING GRATE SEAT

MANHOLE ADJUSTMENT RINGS		
A (IN.)	C (IN.)	D (IN.)
23 1/2	22 1/4	23 1/2
23 3/4	22 1/2	23 3/4

MANHOLE ADJUSTMENT RING

CAST IRON OR STEEL

STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No. 20252
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5-25-2018

SHEET NUMBER 322

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	SERIES NUMBER
AMA	AMA	TL	AMA	9/01/17 5 OF 6

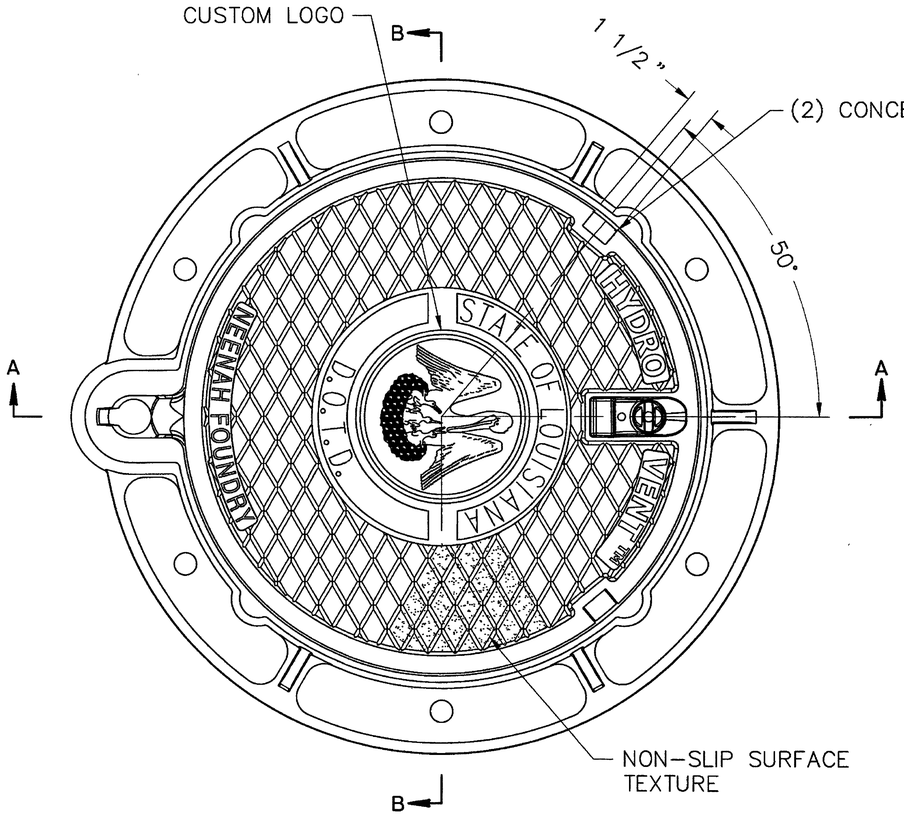
REVISION DESCRIPTION | BY | DATE: 5/25/18

DATE | APPROVED BY CHIEF ENGINEER:

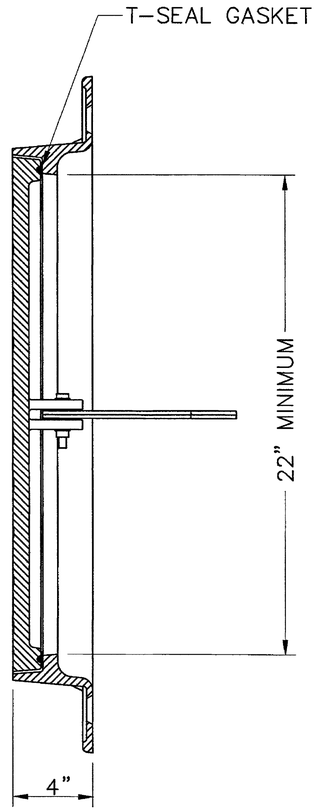
DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

STANDARD PLAN | MC-01

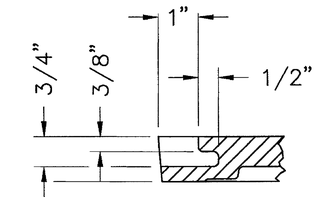
DOTD | HYDRAULICS SECT.



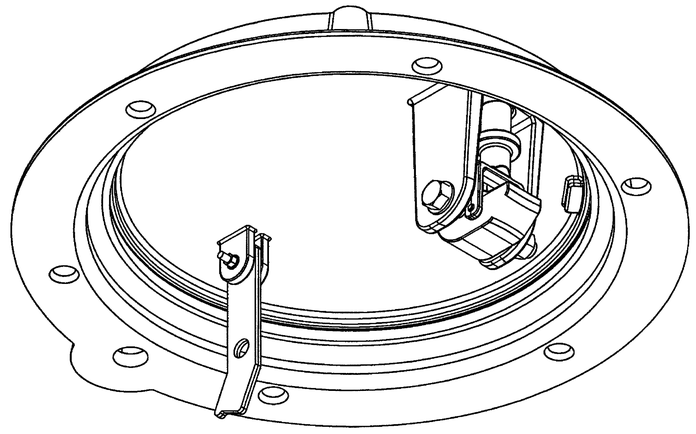
PLAN OF CAST IRON COVER



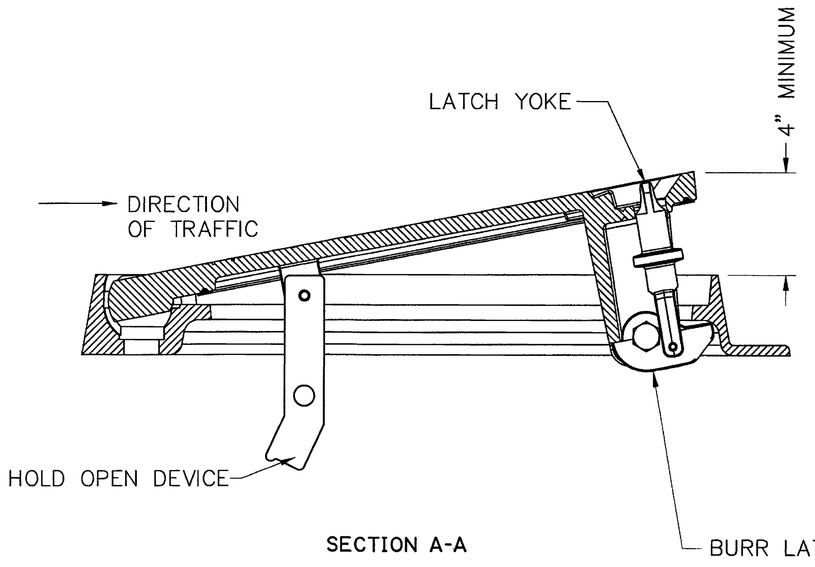
SECTION B-B



CONCEALED PICKHOLE DETAIL



ISOMETRIC BOTTOM VIEW



SECTION A-A

VENTING MANHOLE

CAST IRON COVER AND FRAME

NEENAH FOUNDRY 1650-HV SHOWN
EJ STORMSURGE 24 APPROVED BUT NOT SHOWN

STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No. 20252
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5-25-2018

SHEET NUMBER 323

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	SERIES NUMBER
AMA	AMA	TL	AMA	12/01/17 6 OF 6

REVISION DESCRIPTION | BY | DATE: 5/25/18

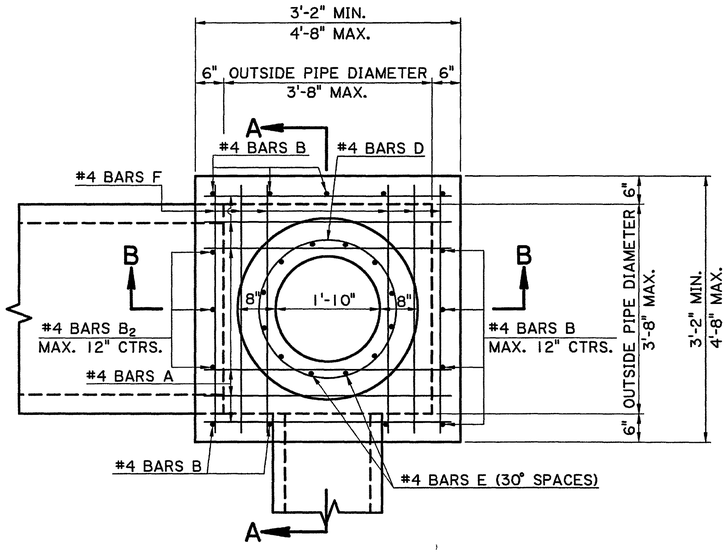
DATE | APPROVED BY CHIEF ENGINEER

DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

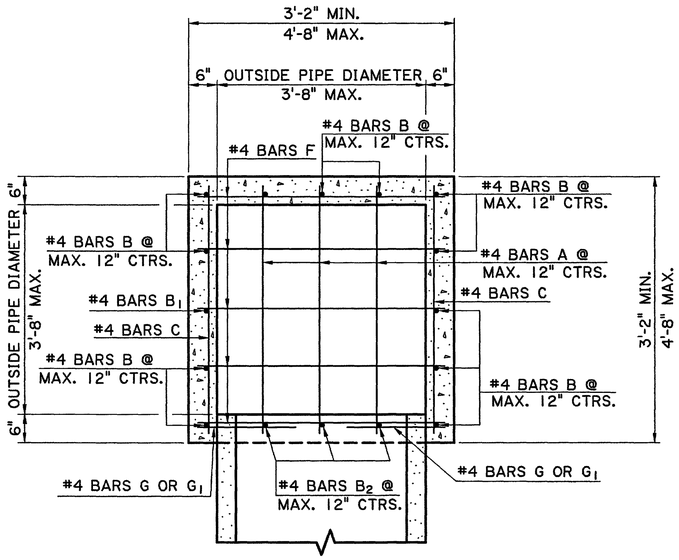
STANDARD PLAN | MC-01

DOTD HYDRAULICS SECT.

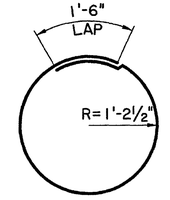
28-FEB-2025 08:33
U:_D3410\Desktop\Jacques Canciene\H.007208\Standard Plans\R-CB-11.dgn



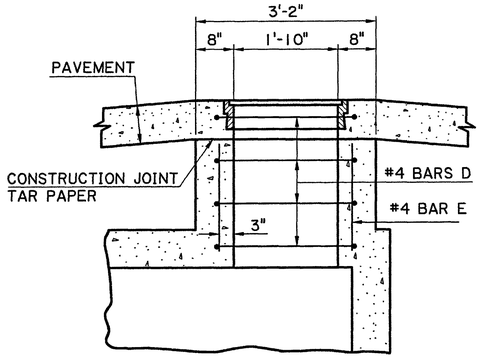
PLAN



SECTION C-C

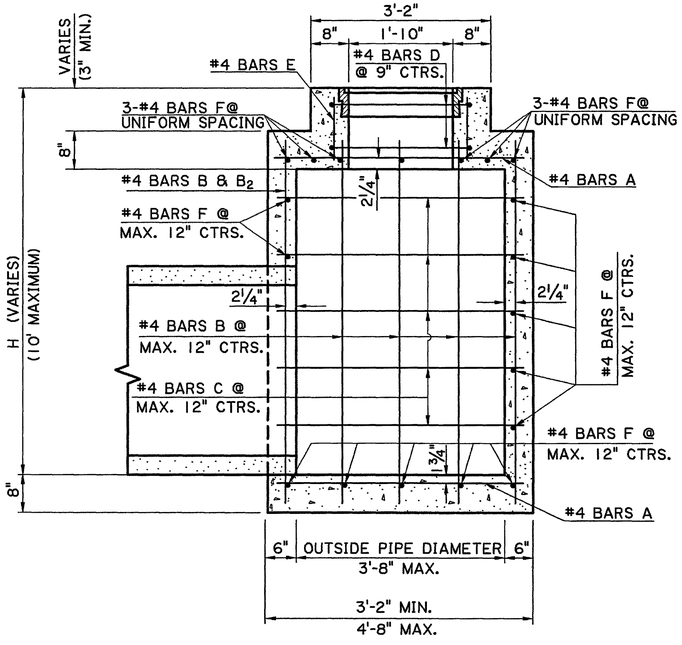


#4 BAR D

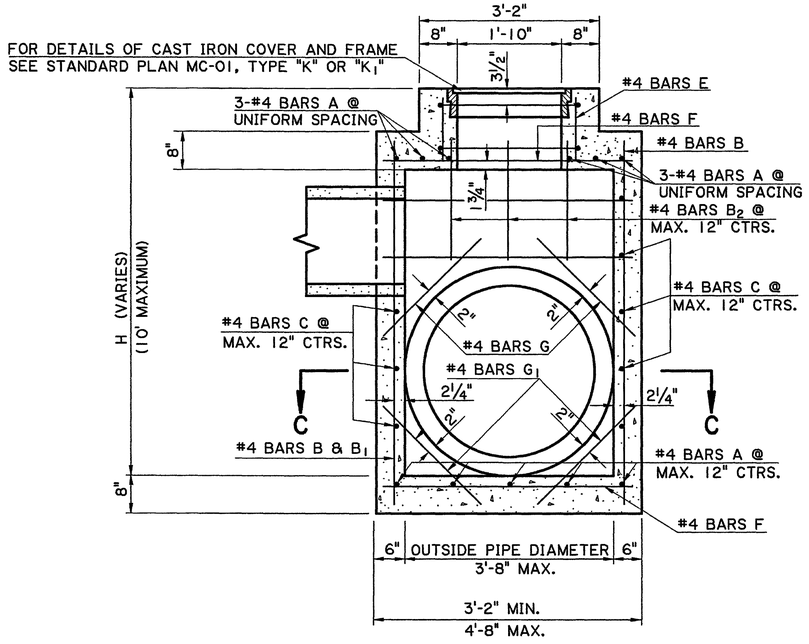


DETAIL A

(MANHOLE IN PAVEMENT AREA)



SECTION B-B



SECTION A-A

GENERAL NOTES:

1. MANHOLE IS DESIGNED ACCORDING TO 4TH ED. 2007 AASHTO LRFD PROCEDURES. SECTION 702 OF THE DOTD STANDARD SPECIFICATIONS SHALL APPLY.
2. CONCRETE: ALL CONCRETE SHALL BE CLASS "M" MINOR STRUCTURE. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾ IN. EXCEPT AS NOTED.
3. REINFORCING STEEL: REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS ARE TO BAR CENTERS. MINIMUM COVER FOR REINFORCING BARS SHALL BE 2 IN. CLEAR UNLESS SHOWN OTHERWISE.
4. SEE "DETAIL A" FOR DETAILS OF MANHOLE IN A PAVEMENT AREA.
5. THE CONTRACTOR WILL NOT POUR ABOVE THE BOTTOM OF THE SLAB UNTIL THE PAVING ADJACENT TO THE MANHOLE HAS BEEN COMPLETED.

SHEET NUMBER 324

PARISH: JEFFERSON | FEDERAL PROJECT: | STATE PROJECT: H.007208

DESIGNED: Q.A. HESTER | CHECKED: J.B. SMART | DETAILED: Q.A. HESTER | CHECKED: T.B. SMART | DATE: DEC. 1940 | SHEET: 1 OF 1

BY	DATE	REVISION DESCRIPTION
WMR	3-1-11	REDRAFTED, REVISED TO AASHTO LRFD PROCEDURES
WTJ	4-6-76	NOTE ON POURING SEQUENCE

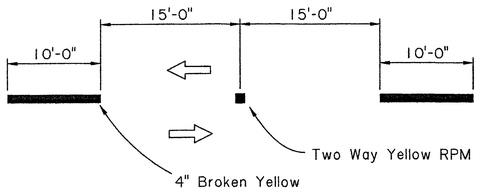
APPROVED BY: CHIEF ENGINEER: DATE: 3-1-11

CONCRETE MANHOLE
MAX. PIPES: 36" RCP X 36" RCP
MAX. DEPTH: 10'

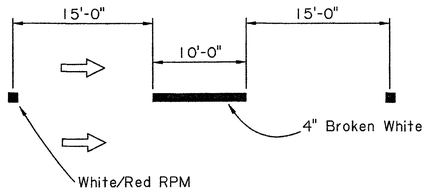
STANDARD PLAN NO. R-CB-11

HYDRAULICS SECTION

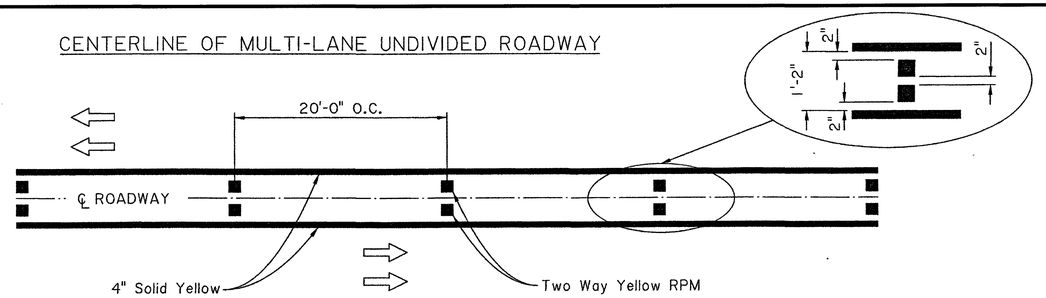
(A) CENTERLINE OF TWO-LANE ROADWAY WITH TWO-WAY TRAFFIC



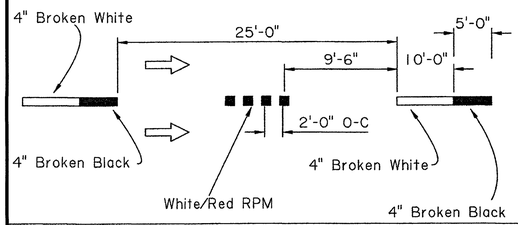
(B) LANE LINE BETWEEN LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION



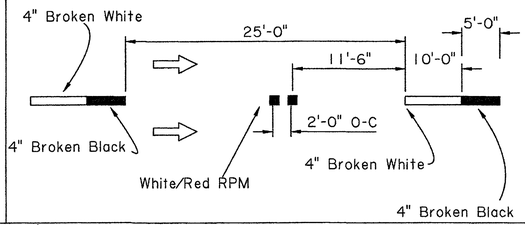
(C) CENTERLINE OF MULTI-LANE UNDIVIDED ROADWAY



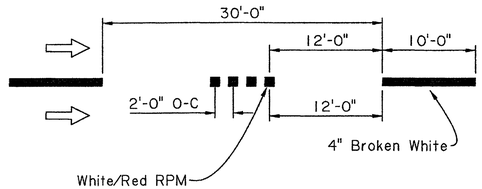
(D) CONTRAST LANE LINE BETWEEN LANES ON PORTLAND CEMENT CONCRETE ADT ≥ 80,000



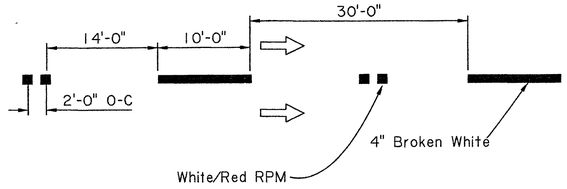
(E) CONTRAST LANE LINE BETWEEN LANES ON PORTLAND CEMENT CONCRETE ADT < 80,000



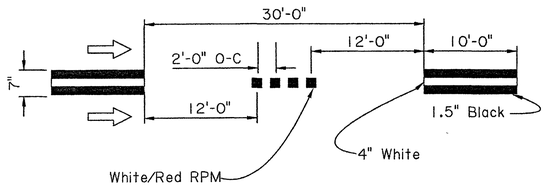
(F) LANE LINE BETWEEN LANES ON ASPHALT CONCRETE WITH ADT ≥ 80,000



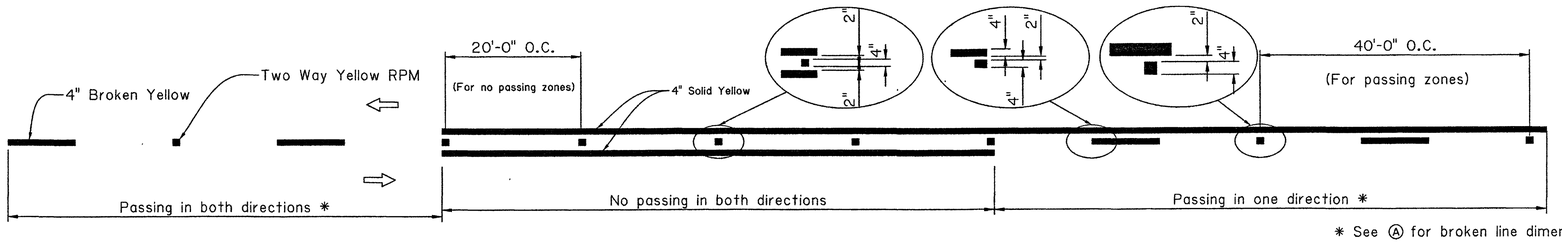
(G) LANE LINE BETWEEN LANES ON ASPHALT CONCRETE WITH ADT < 80,000



(H) CONTRAST LANE LINE BETWEEN LANES ON PORTLAND CONCRETE ADT ≥ 80,000

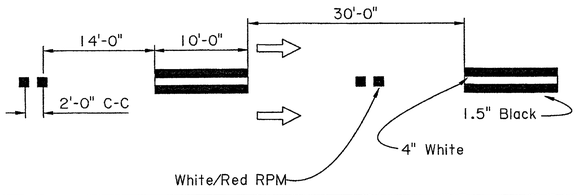


(I) CENTERLINE OF TWO-LANE ROADWAY WITH TWO-WAY TRAFFIC WITH PASSING RESTRICTIONS



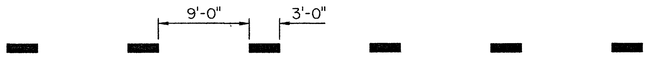
* See (A) for broken line dimensions.

(J) CONTRAST LANE LINE BETWEEN LANES ON PORTLAND CONCRETE ADT < 80,000



(K) TYPE A DOTTED

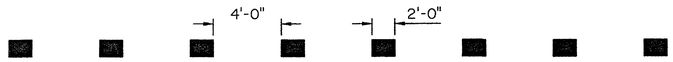
Used for entrance, exit and auxiliary lanes, lane drop markings and shared use bicycle paths.



Note: Width and color shall match line extending unless otherwise noted.

(L) TYPE B DOTTED

Used for lane line extensions through intersections, turn lane taper markings, edge line extensions and bulb outs.



Note: Width and color shall match line extending unless otherwise noted.

GENERAL NOTES:

1. 4" Edge lines shall be placed on all roadways.
2. Place edge lines, centerlines and lane lines to avoid longitudinal joints as directed by the project engineer.
3. Edge lines in a curb and gutter section should be kept out of the gutter and clear from debris.
4. If rumble strips are used, striping details remain unchanged.
5. Centerlines shall be placed on roadways with a traveled way width of 16 feet or greater.
6. Where the clear width of a bridge is less than the clear width of the roadway, reflectorized pavement markers shall be placed adjacent to the edge line at 20' centers.
7. ⇨ indicates the direction of travel (not a pavement marker).
8. For non-interstate striping, use one Raised Reflectorized Pavement Marker.
9. White Reflectorized Pavement Marker faces same direction traffic and red faces opposing traffic.

STATE OF LOUISIANA
GARY N. LeBLANC
REG. No 28220
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
2-27-19

SHEET NUMBER	325
PARISH	JEFFERSON
CONTROL SECTION	000-26, 826-11
STATE PROJECT	H.007208
DESIGNED	G. LEBLANC
CHECKED	J. COLVIN
DETAILED	K. WILLIAMS
CHECKED	G. LEBLANC
DATE	2/28/19
SHEET	

APPROVED BY CHIEF ENGINEER:

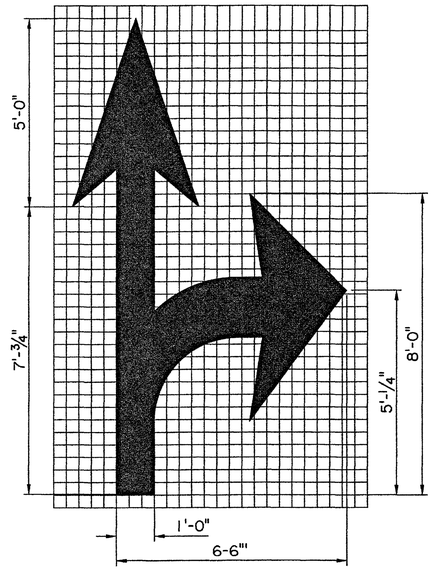
PM-01
Centerline and Edgeline Markings

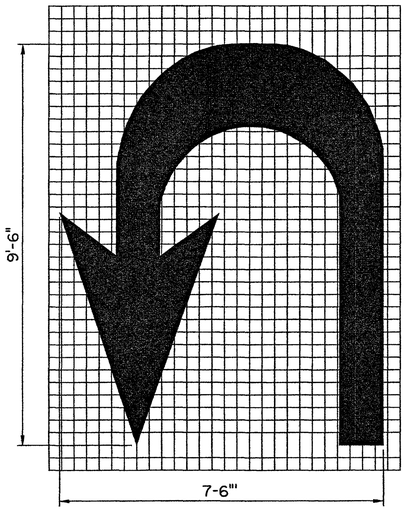
PAVEMENT MARKING DETAILS

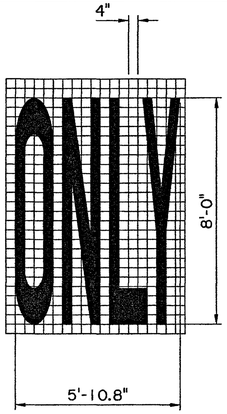
DOTD
TRAFFIC ENGINEERING

Ⓐ

TURN ARROW AND ONLY WORD MARKING



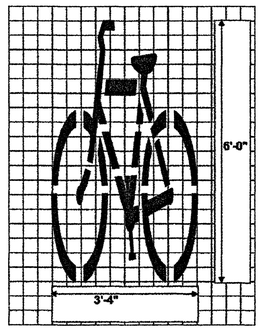




*For left turn arrow, use mirror image.

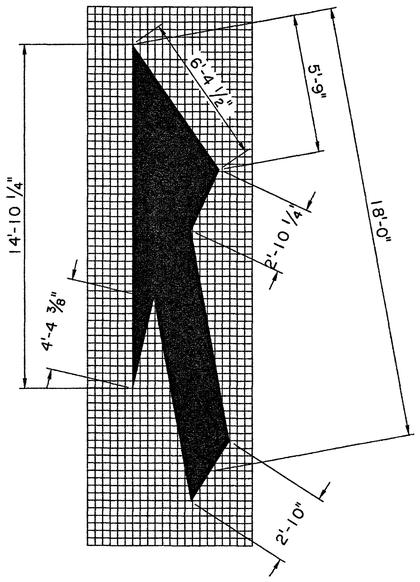
Ⓑ

BIKE SYMBOL



Ⓒ

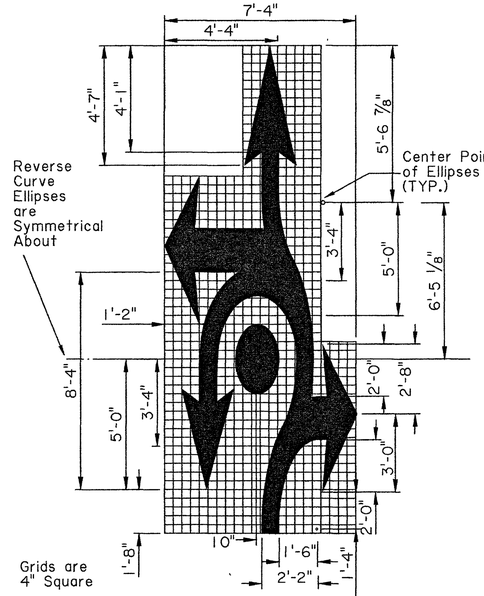
LANE REDUCTION ARROW



*For left lane reduction, use mirror image.

Ⓓ

DIRECTIONAL ARROWS FOR ROUNDABOUTS (FISHHOOK)



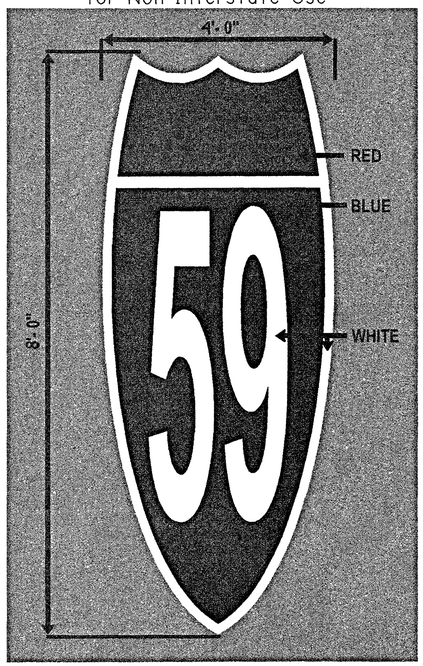
Grids are 4" Square

Assume Points Not Dimensioned to be Coincident with Grid Lines

Only Fishhook Combinations That Have Pay Items May Be Used.

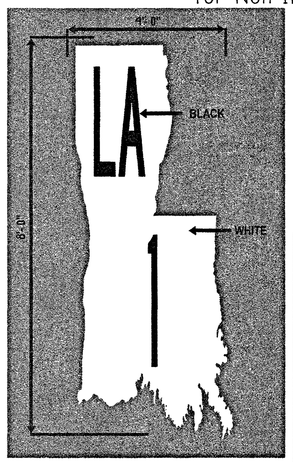
Ⓔ

INTERSTATE SHIELD for Non-Interstate Use

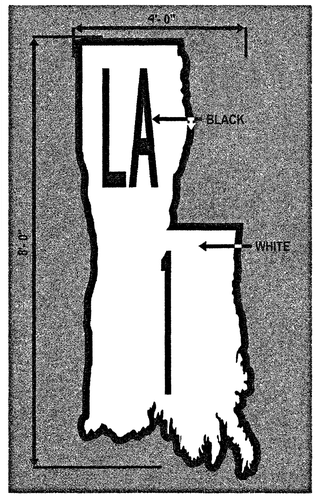


Ⓕ

STATE HIGHWAY SHIELDS for Non-Interstate Use



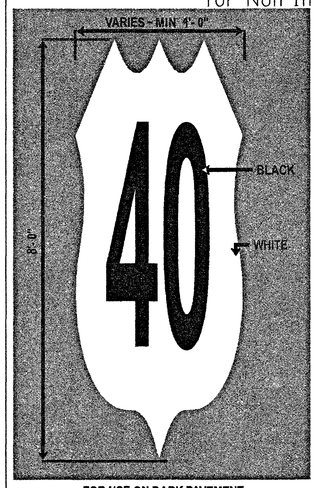
FOR USE ON DARK PAVEMENT.



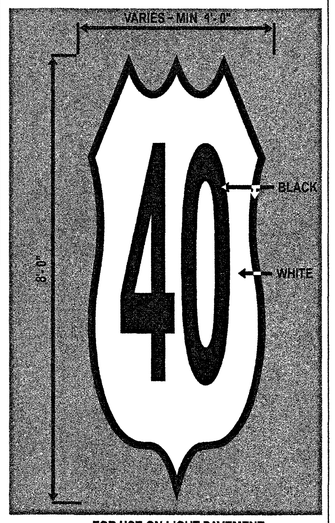
FOR USE ON LIGHT PAVEMENT.

Ⓖ

STATE HIGHWAY SHIELDS for Non-Interstate Use



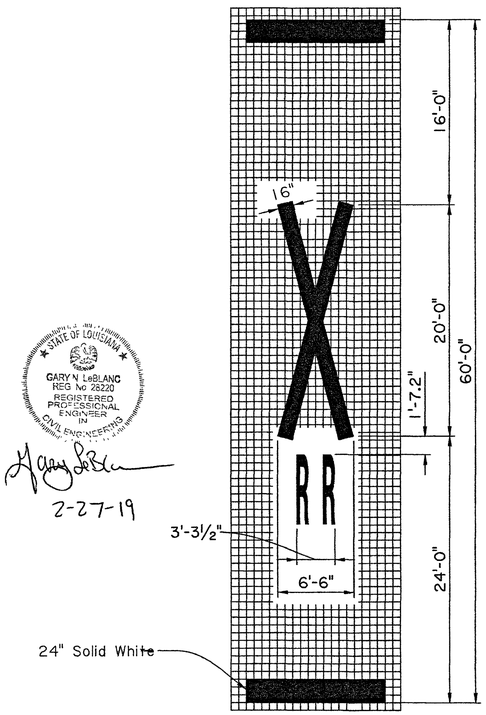
FOR USE ON DARK PAVEMENT.



FOR USE ON LIGHT PAVEMENT.

Ⓗ

RAILROAD CROSSING PAVEMENT MARKINGS



STATE OF LOUISIANA
GARY N. LeBLANC
REG. No. 28220
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

2-27-19

SHEET NUMBER	326
PARISH	JEFFERSON
CONTROL SECTION	000-26, 826-11
STATE PROJECT	H.007208
DESIGNED	G. LEBLANC
CHECKED	J. COLVIN
DETAILED	K. WILLIAMS
CHECKED	G. LEBLANC
DATE	2/28/19
SHEET	

APPROVED BY CHIEF ENGINEER

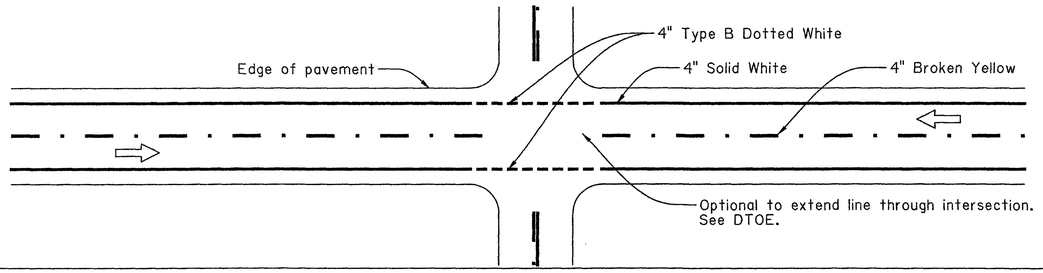
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PM-02
Pavement Word and Symbol Markings for Non-Interstate Use

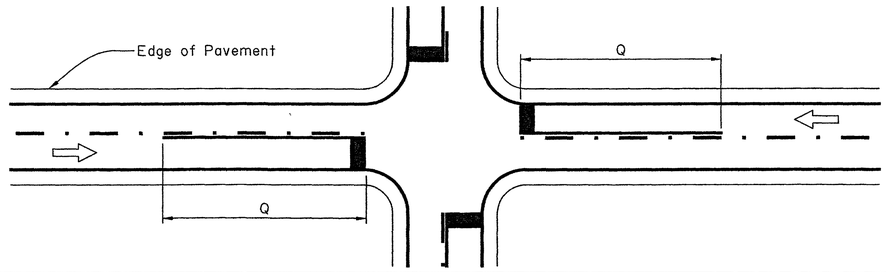
PAVEMENT MARKING DETAILS

DOTD TRAFFIC ENGINEERING

(A) UNSIGNALIZED INTERSECTION ON TWO LANE ROADWAY

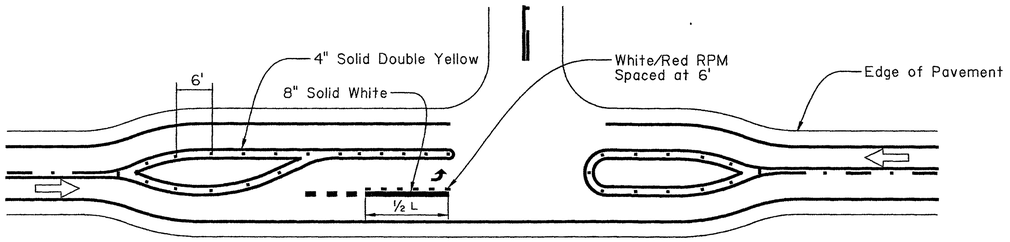


(B) SIGNALIZED INTERSECTION ON TWO LANE ROADWAY

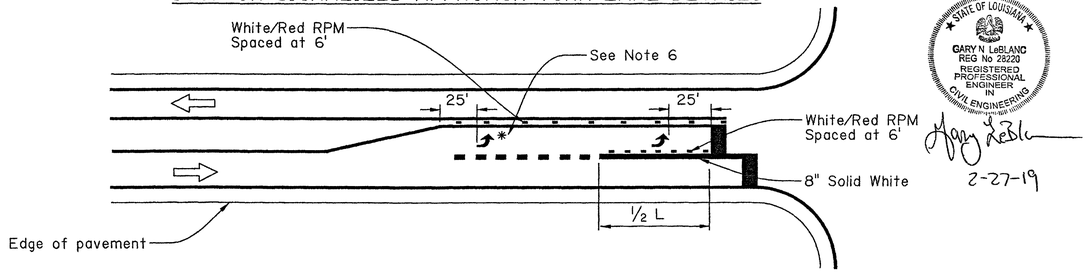


Speed Limit (mph)	Length Q (ft)
<40	100
40	125
45	175
50	250
55	325

(C) UNSIGNALIZED APPROACH LEFT TURN LANE ON TWO LANE ROADWAY



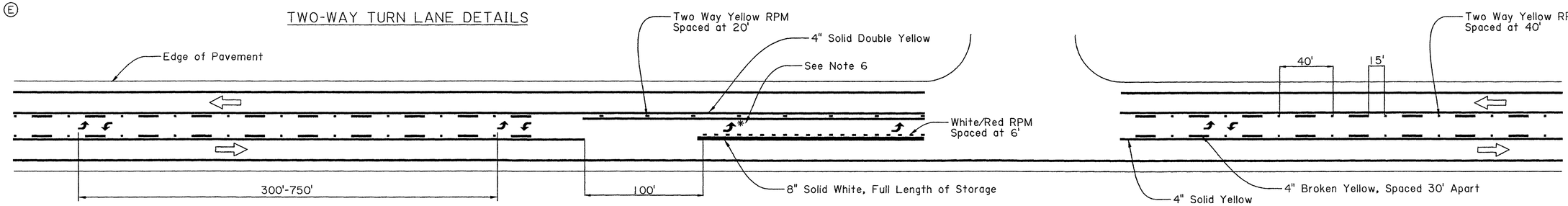
(D) STOP OR SIGNALIZED APPROACH TURN LANE DETAILS



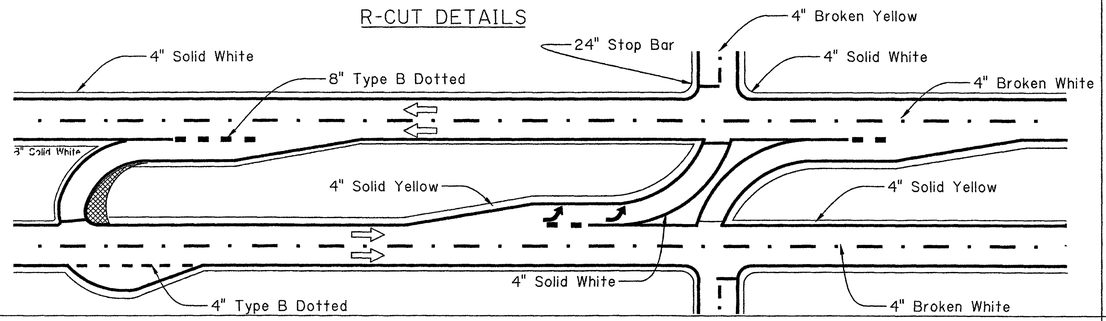
STATE OF LOUISIANA
GARY N LeBLANC
REG No 28220
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

2-27-19

(E) TWO-WAY TURN LANE DETAILS

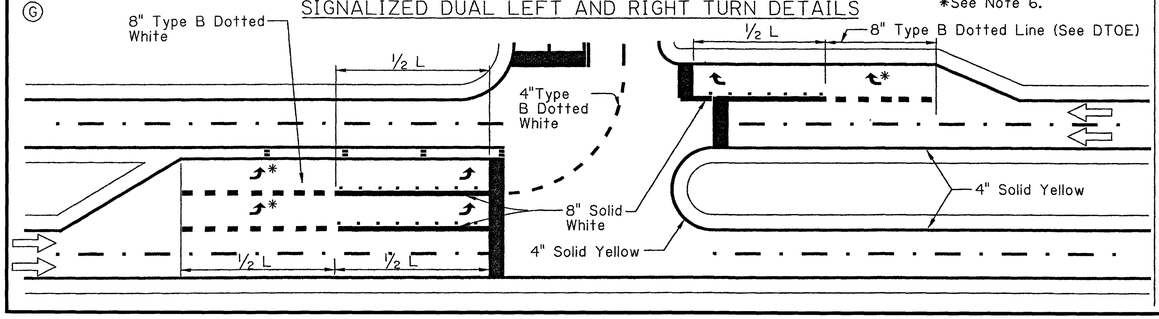


(F) R-CUT DETAILS

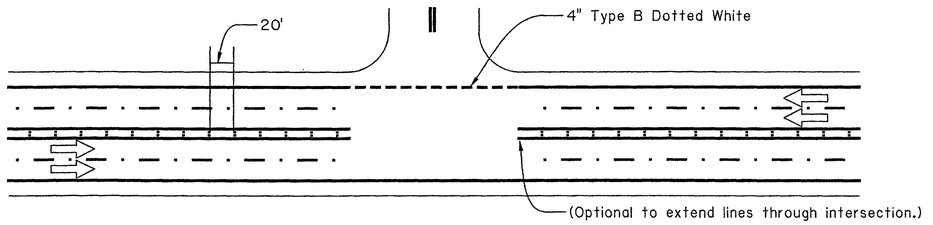


(G) SIGNALIZED DUAL LEFT AND RIGHT TURN DETAILS

*See Note 6.



(H) UNSIGNALIZED INTERSECTION ON A FOUR LANE UNDIVIDED ROADWAY



GENERAL NOTES:

1. If the minor street has edge lines, the edge lines on the major street shall wrap to meet the edge lines on the minor street.
2. Stop bars shall be 24". Stop bars shall not be placed at a distance greater than 30 feet or less than 4 feet from the nearest edge line. Stop bars at right turn lanes should be placed to provide adequate sight distance for right turning traffic.
3. The location of stop bars at left turn lanes should be determined by the turning radius needed by the side street vehicles.
4. See PM-01 for centerline and lane line details.
5. The ONLY word marking shall be used when a through lane terminates as a turn lane.
6. The asterisk (*) indicates that 2nd arrow is optional. If more than two arrows are used, minimum spacing should be 150'.
7. Edge lines should not be broken for driveways.
8. ⇨ indicates the direction of travel (not a pavement marker).
9. L equals the full length of turn lane.
10. Use of dotted lines require DTOE approval.

SHEET NUMBER 327

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	CHECKED	DETAILED	CHECKED	DATE	SHEET
G. LEBLANC	J. COLVIN	K. WILLIAMS	G. LEBLANC		

DATE 2/28/19

APPROVED BY: CHIEF ENGINEER:

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PM-05

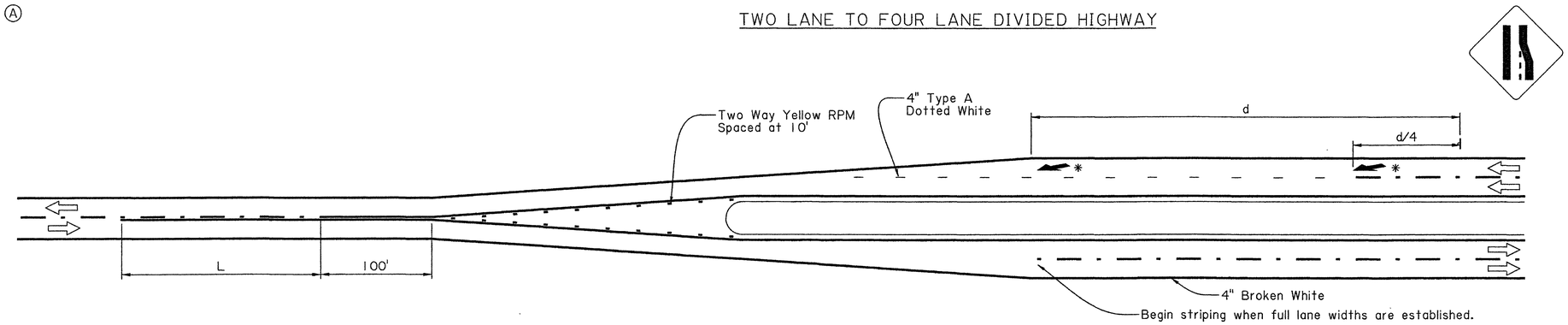
Typical Intersection Striping Layouts

PAVEMENT MARKING DETAILS

DOTD TRAFFIC ENGINEERING

Ⓐ

TWO LANE TO FOUR LANE DIVIDED HIGHWAY

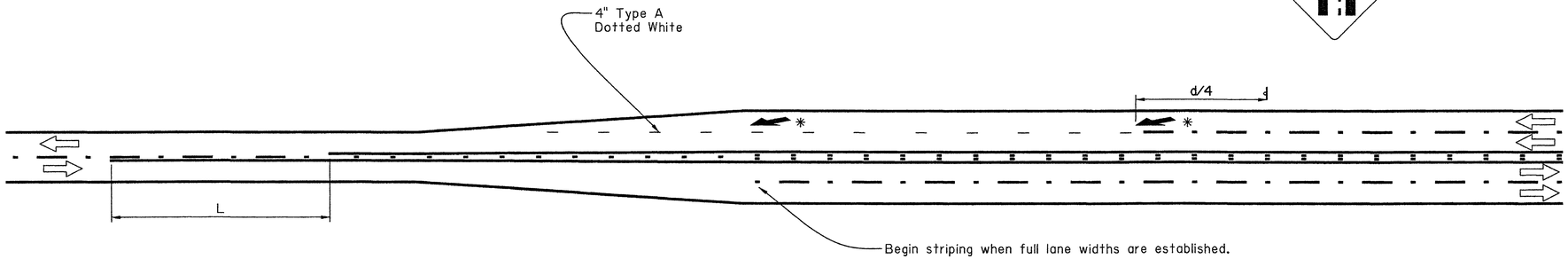


* No more than two reduction arrows shall be used per lane reduction.

85th Percentile or Speed Limit (mph)	Length of No Passing Minimum (L in feet)
25	100
30	100
35	100
40	125
45	175
50	250
55	325
60	400
65	475
70	550

Ⓑ

TWO LANE TO FOUR LANE UNDIVIDED HIGHWAY

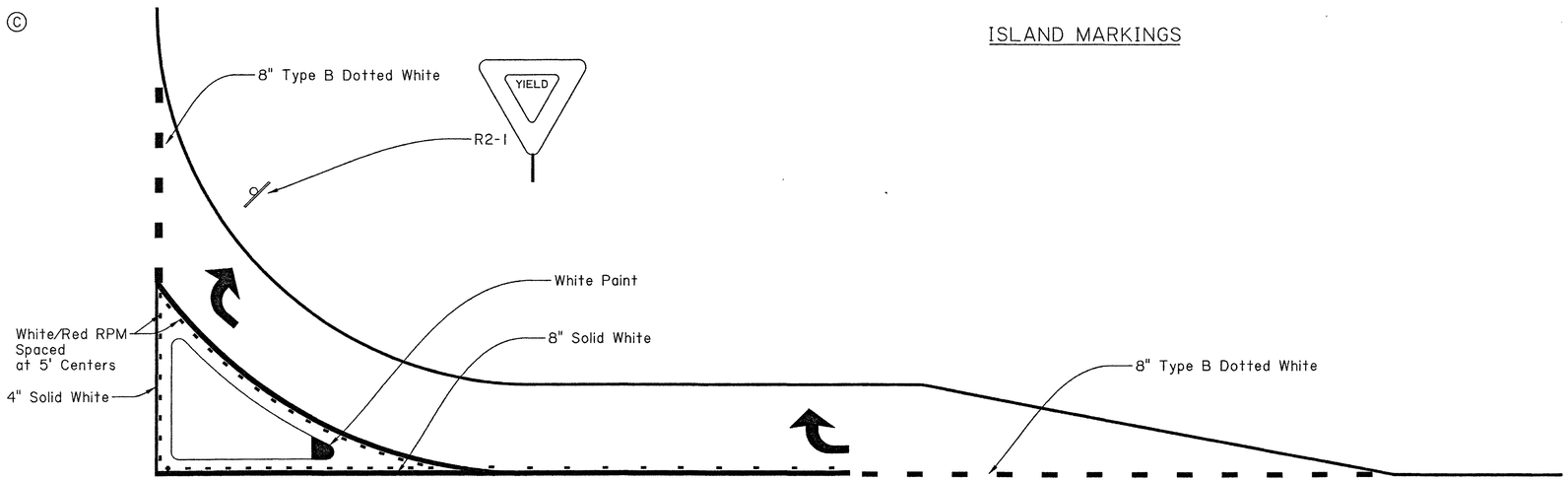


* No more than two reduction arrows shall be used per lane reduction.

85th Percentile or Speed Limit (mph)	Distance, d (ft)
20	225
25	325
30	460
35	565
40	670
45	775
50	885
55	990
60	1100
65	1200
70	1250

Ⓒ

ISLAND MARKINGS



General Notes:

1. ⇨ indicates direction of travel (not a pavement marker).
2. See PM-01 for centerline and lane line details.
3. All dotted lines are optional with DTOE Approval.
4. White paint for island marking shall be a minimum of 2' width or as directed by DTOE.

STATE OF LOUISIANA
GARY N. LeBLANC
REG. No. 28220
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

2-27-19

SHEET NUMBER 328

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED / CHECKED	DETAILED / CHECKED	DATE / SHEET
G. LEBLANC / J. COLVIN	K. WILLIAMS / G. LEBLANC	

DATE 2/28/19

APPROVED BY: CHIEF ENGINEER

PM-06

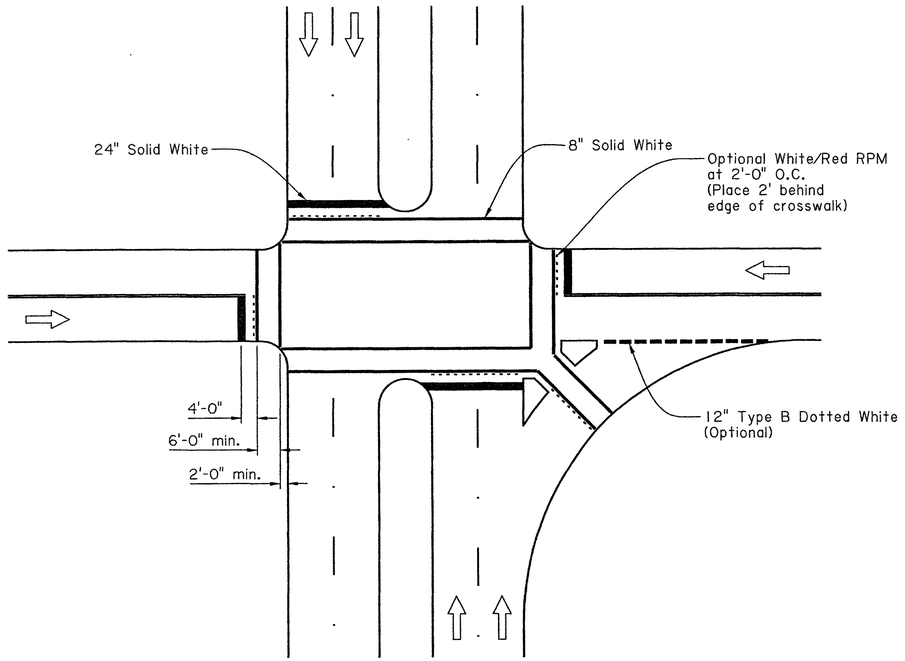
Lane Reduction and Island Layouts

PAVEMENT MARKING DETAILS

TRAFFIC ENGINEERING

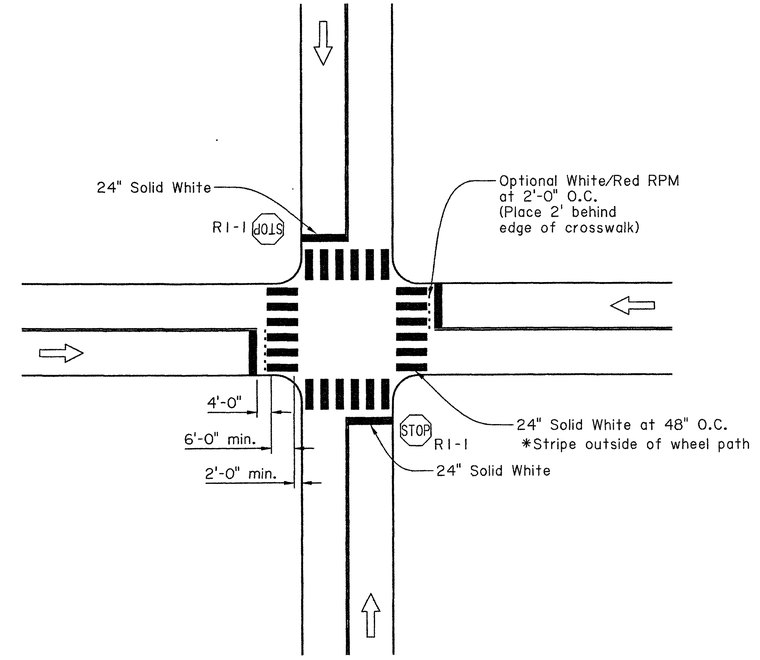
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CROSSWALK MARKINGS AT SIGNALIZED INTERSECTION



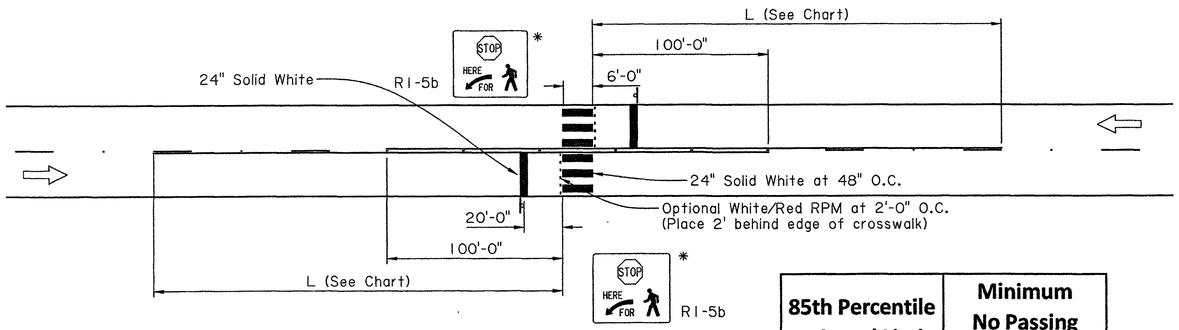
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CROSSWALK MARKINGS AT UNSIGNALIZED INTERSECTION



Ⓒ

MID-BLOCK CROSSWALK MARKINGS

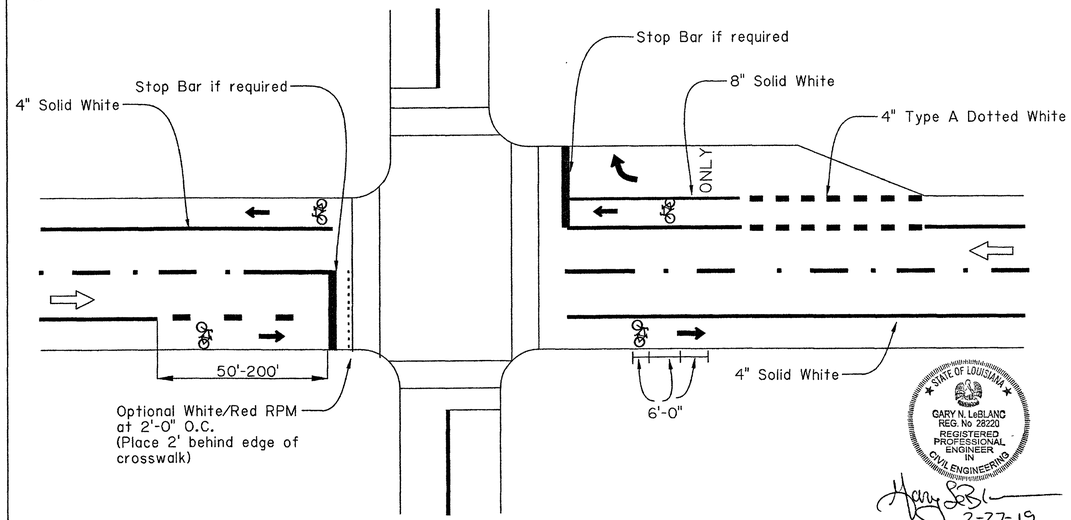


85th Percentile or Speed Limit (mph)	Minimum No Passing on Approach (L in feet)
25	100
30	100
35	100
40	125
45	175
50	250
55	325
60	400
65	475
70	550

*If within a school zone, sign may be changed to the In Street Schoolchildren Crossing (R1-6c) sign.

Ⓓ

BIKE LANE AT INTERSECTION WITH RIGHT TURN LANE



GENERAL NOTES:

1. All new and existing crosswalk placement shall require approval by the DTOE and justification through an engineering study.
2. If the width of the existing sidewalk is greater than 6 feet, the width of the crosswalk should match the width of the sidewalk.
3. ⇨ indicates direction of travel (not a pavement marker).
4. Bicycle pavement markings should be placed at the beginning of bike lanes, before and after each intersection with a minimum spacing of 100 ft in urban areas to a maximum of 1000 feet in suburban areas.

SHEET NUMBER 329

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED G. LEBLANC
CHECKED J. COLVIN
DETAILED K. WILLIAMS
CHECKED G. LEBLANC
DATE SHEET

DATE 2/28/19

APPROVED BY CHIEF ENGINEER:

PM-08

Pedestrian/Bike Striping Layout

PAVEMENT MARKING DETAILS

DOTD TRAFFIC ENGINEERING

GENERAL PROVISIONS

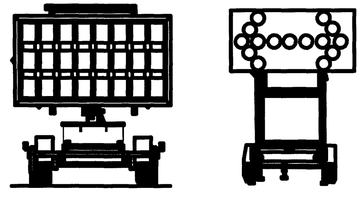
- All temporary traffic control (TTC) devices used shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges, the MUTCD, and shall meet the NCHRP Report 350 or MASH requirements for Test Level 3 devices where applicable.
- Materials used for TTC shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges and, when applicable, the LADOTD AML.
- Placement of TTC devices shall not commence without the approval of the Engineer and until work is about to begin, unless they are covered.
- No lane closures, lane shifts, diversions or detours shall occur without the approval of the Engineer.
- Responsibility is hereby placed upon the contractor for the installation, maintenance and operation of all TTC devices called for in these plans or required by the Engineer for the protection of the traveling public as well as all LADOTD and construction personnel.
- The contractor shall also be responsible for the maintenance of all permanent signs, pavement markings, and traffic signals left in place as essential to the safe movement and guidance of traffic within the project limits unless noted in the plans.
- The DTOE shall serve as a technical advisor to the Engineer for all traffic control matters.
- The Chief Construction Engineer or his appointed designee shall approve all signs and situations not addressed in the plans based on the recommendations of the Project Engineer and the DTOE. All changes shall be noted in all project traffic control diaries.
- The Chief Construction Engineer or his appointed designee shall approve all design speeds of diversions or shifts, if it differs from design plans, based on the recommendations of the Project Engineer and the DTOE.
- All temporary traffic control plans shall comply with the Transportation Management Plan.
- Any additional signs shown in the MUTCD and required by the Engineer shall be installed under Item 713-01-00100.
- Neither work activity nor storage of equipment, vehicles, TMAs, or materials shall occur within the buffer space.
- When a work area has been established on one side of the roadway only, there shall be no conflicting operations or parking on the opposite shoulder within 500 feet of the work area.
- Q • A lighting plan shall be submitted to the Engineer 30 days prior to night work for approval. (See section 713.10 of the Louisiana Standard Specifications for Roads and Bridges.)
- Q • Parking of vehicles or unattended equipment or storage of materials, within the work zone clear zone shall not be permitted unless protected by guardrail or barriers. If the work zone clear zone is not defined on the plan sheets, the Engineer shall verify.
- Immediately upon removal of existing guardrail, the contractor shall install and maintain an NCHRP Report 350 or MASH approved device to protect the blunt end of the bridge or column until new guardrail is installed. After removal of the existing guardrail, new guardrail should be installed within seven (7) days. On non-NHS routes with shoulders less than 8 feet wide: If an NCHRP 350 Report Test Level 3 or MASH device is required but the field conditions of the roadway cannot support a Test Level 3 device, then a Test Level 2 device can be substituted in its place upon approval by the Engineer. If utilized, a TMA is allowed for a maximum of 72 hours.
- Q • All costs associated with temporary crash devices are to be included under the appropriate NS-700 pay item.
- Sight distance should be considered when placing traffic control devices.
- On all mainline Interstates, a minimum of 1.5 feet of paved shoulder on the left and right side shall be maintained at all times.
- On Interstates, a minimum of 11 foot lanes shall be maintained. On all other roadways, a 10 foot minimum travel lane should be maintained where practical.
- TTC Standards are not drawn to scale.
- The contractor shall develop an internal traffic control plan approved by the Engineer prior to each phase.
- Truck restrictions such as (but not limited to) restricting lanes, oversize loads or times of travel, may be required for narrow lanes or other field conditions.
- Q • Temporary concrete barrier shall be placed on a paved surface. This paved surface should follow current design criteria used for paved embankment widening for guardrails.
- Q • Flare rates for temporary concrete barriers should follow the most current guidance in the AASHTO Roadside Design Guide.

PAVEMENT MARKINGS (see AML)

- All pavement markings within the limits of the project or adjacent to the project limits that are in conflict with the project signing or the required traffic movements shall be removed from the pavement by blast cleaning or grinding. (Existing striping shall not be painted over with black paint or covered with tape.)
- If special pavement markings are needed, they shall be reflectorized, removable and accompanied by the proper signage.
- Temporary Raised Pavement Markers may be added to supplement temporary striping in areas of transition, in tapers, in diversions and in other areas of need as shown in the plans or as directed by the Engineer.
- Temporary markings installed in the permanent configuration shall comply with LADOTD pavement marking standard plans, MUTCD and/or the permanent striping plans.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

- PCMS shall be used on all Interstate Highways. PCMS shall be used on all other roadways (where space is available) with an ADT greater than 20,000.
- When used in advance of a lane closure or a lane shift, the PCMS should be placed on the right hand side of the road a minimum distance of 2 miles in advance of the taper for interstates and to be determined by the Engineer on other highways.
- For interstates and multi-lane highways, if vehicles are queuing beyond the 2 mile PCMS, an additional PCMS should be placed on the right hand side of the road approximately 5 miles in advance of the taper or at the end of the queue, whichever is greater.
- Q • PCMS messages shall be approved by the Engineer. Messages shall be no more than 3 lines and 2 screens.
- Messages shall display only traffic operational, regulatory, warning, and guidance information. PCMS messages shall not display advertising or safety messages. Messages should only convey information concerning the problem/situation, location, and recommended driver action.
- PCMS should be placed as far from the traveled lane as possible. They shall be shielded by guardrail or barriers. If this is not possible they shall be delineated with a min. 3 drum taper spaced at 20ft with a 4th drum alongside the PCMS.
- If the PCMS encroaches on the improved shoulder then the contractor shall install a shoulder closure.
- Q • When the PCMS is not displaying a work zone appropriate message pertaining to the ongoing construction project it shall be shielded by guard rail or barriers, or removed from the work zone clear zone.



ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SPEED LIMITS

- The Engineer may approve a 10 mph drop in the speed limit for posted speeds of 45 mph or greater and for any construction, maintenance or utility operation that requires one or more of the following:
  - (A) The condition of the traveled way is degraded due to milled surfaces or uneven travel lane lines greater than 1.5 inches.
  - (B) Work is in progress in the immediate vicinity of the travel way requiring lane closures or lane width reductions less than 11 feet.
  - (C) Workers present on the shoulder within 2 feet of the edge of the traveled way without barrier protection.
- The reduced speed zone shall only apply to those portions of the project limits affected. The Engineer may allow SPEED LIMIT WHEN FLASHING signs to supplement reduced speed zones.
- If the speed limit is reduced, speed limit signs shall be placed:
  - (A) beyond major intersections;
  - (B) at one mile intervals in rural areas;
  - (C) at half mile intervals in urban areas.
- At the end of the reduced speed zone, a speed limit sign displaying the original speed limit prior to construction shall be installed.
- For all other speed limit reductions not listed above, the Project Engineer and the DTOE shall recommend the speed reduction to the Chief Construction Engineer or his appointed designee for approval.
- If the speed limit is reduced more than 10 mph, placement of the signs shall be re-evaluated according to the MUTCD.

FLASHING ARROW BOARDS

- All Flashing Arrow Boards shall be 4 feet by 8 feet and Type C.
- Flashing Arrow Boards should be placed on the shoulder. When there is no shoulder or median area, the arrow board shall be placed within the closed lane behind the channelizing devices and as close to the beginning of the taper as practical.
- Flashing arrow boards shall be delineated with retroreflective TTC devices.
- At no time shall the arrow board encroach in the traveled way. When Flashing Arrow Board signs are not being used, they shall be shielded by guard rail or barriers, or removed.
- Arrow boards shall only be used for lane reduction tapers and shall not be used for lane shifts.

ABBREVIATIONS

AASHTO	American Association of State Highway and Transportation Officials
ADT	Average Daily Traffic
Q AGC	Associated General Contractors of America
AML	Approved Materials List
ANSI	American National Standards Institute
ATSSA	American Traffic Safety Services Association
B.O.P.	Beginning of Project
DTOE	District Traffic Operations Engineer
E.O.P.	End of Project
LADOTD	Louisiana Department of Transportation and Development
MASH	AASHTO Manual for Assessing Safety Hardware
MUTCD	Manual on Uniform Traffic Control Devices
NCHRP	National Cooperative Highway Research Program
NHS	National Highway System
PCMS	Portable Changeable Message Sign
TMA	Truck Mounted Attenuator
TMC	Traffic Management Center
TTC	Temporary Traffic Control
TTC Standards	Temporary Traffic Control Standard Plans

SHEET NUMBER 330

PARISH: JEFFERSON | CONTROL SECTION: 000-26, 826-11 | STATE PROJECT: H.007208

DESIGN: B. BOUCHER | CHECK: M. RILOVICH | DETAIL | CHECK | REVIEW | SERIES #

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	BARRIER INFORMATION AND MINOR CORRECTIONS REVISION OR CHANGE ORDER DESCRIPTION	BY
Q	4-3-24		BRB

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET

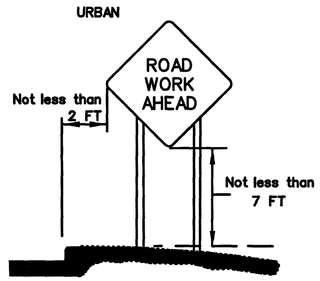
TTC-00 (A)

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

SIGNS

- All signs used for temporary traffic control shall follow the plans, the LADOTD TTC Standards and the MUTCD.
- Signs shown in the TTC illustrations are typical and may vary with each specific condition.
- One Type B High Intensity light shall be used to supplement the first sign (or pair of signs) that gives warning about a lane closure during nighttime operations (See AML).
- Mesh rollup signs shall not be allowed on any project.
- Contractor shall use caution not to damage existing signs which remain in place. Any LADOTD signs damaged by work operations shall be replaced by the contractor under item 713-01-00100.
- All signs (permanent and temporary) shall be removed or completely covered with a strong, lightweight, opaque material when no longer applicable. (Burlap is not an acceptable material to cover signs).
- At no time shall signs warning against a particular operation be left in place once the operation has been completed or where the condition has been removed.
- Warning signs used for temporary traffic controls shall meet the following guidelines unless otherwise noted in the plans:
  - (A) size shall be 48 inches by 48 inches.
  - (B) see the Louisiana Standard Specifications for Roads and Bridges and the AML for sheeting information.
  - (C) lateral distance of signs shall be a minimum of 6 feet from the edge of shoulder or edge of pavement if no shoulder exists and 2 feet from the back of curb in urban areas (see diagram).
- When portable sign frames are not in use, they shall be moved to an area inaccessible to traffic and not visible to the driver.
- Left side mounted signs will not be required for roadways with a center left turn lane and for undivided roadways.
- Q • Vinyl roll up signs and 1 foot portable sign stands may be used if work zone is in place for 3 days or less. Signs or stands may not be used if there are more than 2 lanes in each direction and if signs do not meet all size, color, retroreflectivity and NCHRP 350 Report or MASH requirements.
- All signs shall be visible to the drivers (i.e. no obstructions such as on street parking or other traffic control devices shall block the sign).
- On divided highways, signs shall be placed on the right and the left as shown on the TTC standards.
- Sign posts:
  - -Signs measuring 10 square feet or less shall be mounted on 1 rigid post
  - -Signs over 10 square feet shall be mounted on 2 rigid posts
  - -Signs over 20 square feet shall be mounted on at least 3 rigid posts
- Rigid sign supports shall be driven to a minimum depth of 3 feet. (If splicing is required, see Allowable Lap Splice U-channel Post.)
- For sign height, see the Rural and Urban diagrams:



LANE CLOSURES

- All proposed lane, road or shoulder closures shall be reviewed by the DTOE and approved by the Engineer.
- Two lane, two-way highways shall have a maximum work area of two miles; all other roadways shall have a four mile maximum work area.
- A queue analysis shall be performed prior to approval of lane closures on all Interstates according to Section 6A.1 of the Traffic Engineering Manual.
- Closure plans and times shall be turned in to the Engineer for review according to the following:
  - (A) 5 working days minimum if traffic control plan has been approved or is contained in the plans.
  - (B) 10 working days minimum and a traffic control plan must be submitted for lane closures not addressed in the plans.
- Weekly updates to the DTOE, Project Engineer, the LADOTD TMC operator and the regional TMC operator (if applicable) will be required for all ongoing lane closures to update the closure status.
- Daily updates to the DTOE, Project Engineer and TMC operator (if applicable) will be required for all projects where active closures are in place.

FLAGGERS

- All flaggers shall be qualified.
- The contractor shall be responsible for training or assuring that all flaggers are qualified to perform flagging duties.
- A Qualified Flagger is one that has completed courses such as those offered by ATSSA or other courses approved by the LADOTD Work Zone Task Force. The contractor shall be responsible for getting the flagger course approved.
- When utilized, a flagger shall use a minimum 18 inch octagonal shape sign on a minimum 6 foot stop/slow paddle and wear ANSI Class 2 Lime Green vest during day time operations and ANSI Class 3 Lime Green ensemble during night operations.
- In all flagging operations, the flagger must be visible from the flagger advance warning sign.
- Flaggers shall not be used on the Interstate.

PEDESTRIAN CONSIDERATIONS

- If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided either through the TTC zone or a designated alternate route.
- Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).
- Advance notification of sidewalk closures shall be provided by the maintaining agency.
- Q • No storage of construction materials, equipment, and/or vehicles will be permitted on permanent or temporary bicycle, pedestrian, or transit facilities for any duration of time.

REFERENCES

- The contractor shall be responsible for understanding all rules and requirements in the current edition of the following documents:

Q 1) Louisiana Standard Specifications for Roads and Bridges. http://www.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Standard_Specifications

2) Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD). http://mutcd.fhwa.dot.gov/

3) LADOTD Approved Materials List (AML) Manual. http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/Menu_QPL.aspx

4) LADOTD Traffic Engineering Manual http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/Misc%20Documents/Traffic%20Engineering%20Manual.pdf

5) National Cooperative Highway Research Program (NCHRP) Report 350: "Guidelines for Work Zones Traffic Control Devices". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_350-a.pdf

6) NCHRP Report 475: "A Procedure for Assessing and Planning Nighttime Highway Construction and Maintenance". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_475.pdf

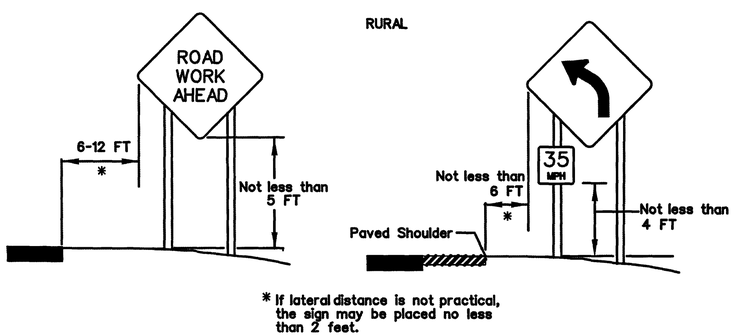
7) NCHRP Report 476: "Guidelines for Design and Operation of Nighttime Traffic Control for Highway Maintenance". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_476.pdf

8) NCHRP Report 498: "Illumination Guidelines for Nighttime Highway Work". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_498.pdf

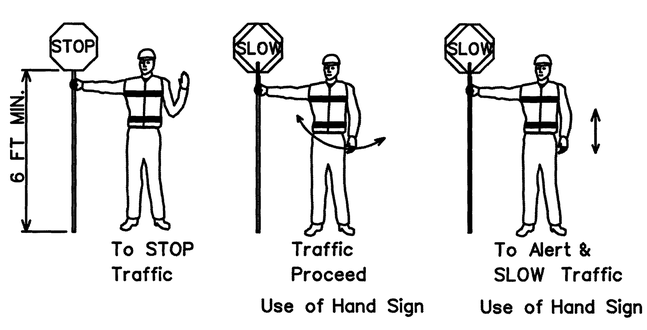
9) American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide.

10) American Traffic Safety Services Association (ATSSA) Quality Guidelines for Work Zone Traffic Control Devices and Features.

11) U.S. Department of Transportation Federal Highway Administration Traffic Control Handbook for Mobile Operations at Night. http://www.dot.state.il.us/blr/1023.pdf



* If lateral distance is not practical, the sign may be placed no less than 2 feet.



To STOP Traffic

Traffic Proceed

Use of Hand Sign

To Alert & SLOW Traffic

Use of Hand Sign

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 331

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER | CHECK M. RILOVICH | DETAIL | CHECK | REVIEW | SERIES •

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY
Q	4-3-24	STORAGE NEAR SIDEWALKS AND MINOR CORRECTIONS	BRB

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET

TTC-00 (B)

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

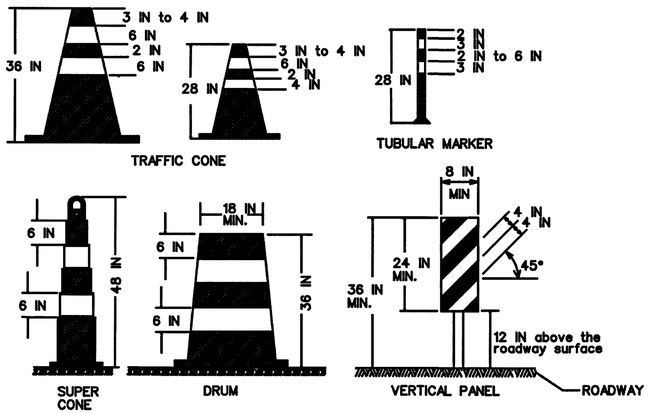
TRAFFIC ENGINEERING

CHANNELIZING DEVICES

- The following devices may be used as channelizing devices: Tubular Markers, Vertical Panels, Cones, Drums and Super Cones.
- 28 inch traffic cones are not allowed on:
  1) Interstates
  2) Highways with speeds greater than 40 mph.
- During nighttime operations, 28 inch and 36 inch cones are not allowed.
- Retroreflective material pattern used on super cones shall match that used on drums.

- Tangent Areas:
  - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
  - B) Daylight Operations: Drums and super cones are spaced at standard spacing. All other devices are at ½ standard spacing.
  - C) Nighttime Operations: Drums and supercones at standard spacing are the only devices allowed.

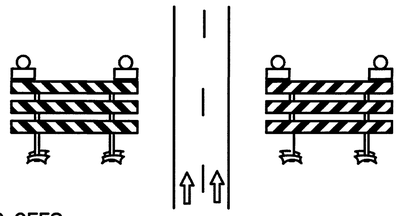
- Taper Areas:
  - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
  - B) Daylight Operations: Drums are spaced at standard spacing. All other devices are ½ standard spacing.
  - C) Nighttime Operations: Drums (at standard spacing) are the only devices allowed.
  - Q D) Downstream Locations & Flaggers: Drums or supercones at 20' max spacing. The length of taper shall be between 50' - 100' with a minimum of 6 devices.
- Type C steady burn lights shall be used on all channelizing devices in the taper as well as the first two devices in the tangent at night, (see the AML).
- Typical channelizing device lateral placement (do not include when it is used as a divider for opposing directions of traffic) shall be 2 feet off the lane line in the closed lane or shoulder.
- Devices may be adjusted laterally to accomodate ongoing work in the immediate vicinity but must be returned to the closed lane after the work activity has moved.
- Channelizing devices on the lane line shall be of the same type.
- Channelizing devices in each taper shall be of the same type.



ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

TYPE III BARRICADES

- Q Only Type III Barricades shall be used in the roadway or shoulder. All barricades shall use Type 3 High Intensity Sheeting on both sides of the barricade.
- All barricades shall be a minimum of 8 feet in length and must meet NCHRP Report 350 or MASH requirements.
- When used for overnight closures, two Type B High Intensity Lights shall supplement all barricades that are placed in a closed lane or that extend across a highway. Two Type A Low Intensity Lights may be used in urban areas if approved by the Engineer (See AML).
- When signs and lights are to be mounted to a barricade, they must meet NCHRP Report 350 or MASH requirements.
- A truck with a TMA may be substituted for a barricade when workers are present.
- Barricades shall be placed:
  - (A) at the beginning of a closed lane or shoulder and at 1,000 foot intervals where no active work is ongoing and the lane must remain closed. A minimum of 2 barricades shall be placed if the lane or shoulder closure is less than 2,000 feet. (One barricade shall be placed at the beginning of the lane closure after the buffer space and one shall be placed in the middle of the lane closure.)
  - (B) before each or group of unfilled holes or holes filled with temporary material.
  - (C) before uncured concrete.
  - (D) in the closed lane on each side of every intersection and crossover. (Do not block sight distance.)
  - (E) in front of piles of material (dirt, aggregate, broken concrete), culverts and equipment which is near the work zone.



TTC for DROP-OFFS

NON-INTERSTATE

Average Drop-off	Current Posted Speed (Prior to Construction)	
	> 45 MPH	≤ 45 MPH
≤ 3 IN	Low Shoulder Sign (Optional)	Low Shoulder Sign (Optional)
> 3 IN ≤ 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device	Shoulder Drop Off Sign
> 6 IN ≤ 10 IN	No Shoulder Sign, Edge Lines & Vertical Panel	No Shoulder Sign & Channelizing Device
> 10 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane) & Edge Lines	No Shoulder Sign & Vertical Panel

INTERSTATE

Average Drop-off	
≤ 2 IN	Low Shoulder Sign (Optional)
> 2 IN ≤ 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device
> 6 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane), Shoulder Drop Off Sign, & Edge Lines

- If a portable concrete barrier will be required then the deflection shall be considered in the design.
- For Interstate ramps, refer to non-Interstate drop offs.

STANDARD DEVICE SPACING AND BUFFER SPACE

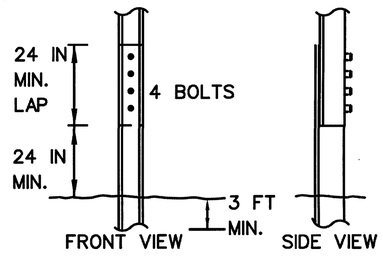
SPEED LIMIT (prior to construction)	MERGING TAPER LENGTH (L) Lane Width (FT)				STANDARD DEVICE SPACING IN FEET		BUFFER SPACE
MPH	9	10	11	12	Along Taper	Along Tangent	FT
25	94	105	115	125	20	40	155
30	135	150	165	180	30	60	200
35	184	205	225	245	35	70	250
40	240	267	294	320	40	80	305
45	405	450	495	540	40	80	360
50	450	500	550	600	40	80	425
55	495	550	605	660	40	80	495
60	540	600	660	720	40	80	570
65	585	650	715	780	40	80	645
70	630	700	770	840	40	80	730
75	675	750	825	900	40	80	820

SPEED LIMIT (prior to construction)	SHIFTING TAPER LENGTH (1/2)(L) Lane Shift (FT)						STANDARD DEVICE SPACING IN FEET		BUFFER SPACE
MPH	2	4	6	8	10	12	Along Taper	Along Tangent	FT
25	11	21	32	42	52	63	20	40	155
30	15	30	45	60	75	90	30	60	200
35	21	41	62	82	102	123	35	70	250
40	27	54	80	107	134	160	40	80	305
45	45	90	135	180	225	270	40	80	360
50	50	100	150	200	250	300	40	80	425
55	55	110	165	220	275	330	40	80	495
60	60	120	180	240	300	360	40	80	570
65	65	130	195	260	325	390	40	80	645
70	70	140	210	280	350	420	40	80	730
75	75	150	225	300	375	450	40	80	820

SPEED LIMIT (prior to construction)	SHOULDER TAPER LENGTH (1/3)(L) Shoulder Width (FT)						STANDARD DEVICE SPACING IN FEET		BUFFER SPACE
MPH	2	4	6	8	10	12	Along Taper	Along Tangent	FT
25	7	14	21	28	35	42	20	40	155
30	10	20	30	40	50	60	30	60	200
35	14	28	41	55	68	82	35	70	250
40	18	36	54	72	89	107	40	80	305
45	30	60	90	120	150	180	40	80	360
50	34	67	100	134	167	200	40	80	425
55	37	74	110	147	184	220	40	80	495
60	40	80	120	160	200	240	40	80	570
65	44	87	130	174	217	260	40	80	645
70	47	94	140	187	234	280	40	80	730
75	50	100	150	200	250	300	40	80	820

- See MUTCD for taper formulas.
- ALLOWABLE LAP SPLICE FOR U-CHANNEL POST

U-Channel posts may be spliced where long lengths are required. The upper section shall overlap the lower section by at least 24 inches. The bottom edge of the upper section of the splice shall be a minimum of 24 inches above the ground. The spliced sections shall be secured with at least four 5/16 inch diameter hex bolts spaced equally along the splice.



SHEET NUMBER 332

PARISH: JEFFERSON | CONTROL SECTION: 000-26, 826-11 | STATE PROJECT: H.007208

DESIGN: B. BOUCHER | CHECK: M. RILOVICH | DETAIL: | CHECK: | REVIEW: | SERIES #:

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION
Q	4-3-24	BRB	DOWNSTREAM TAPERS AND MINOR CORRECTIONS

STATE OF LOUISIANA

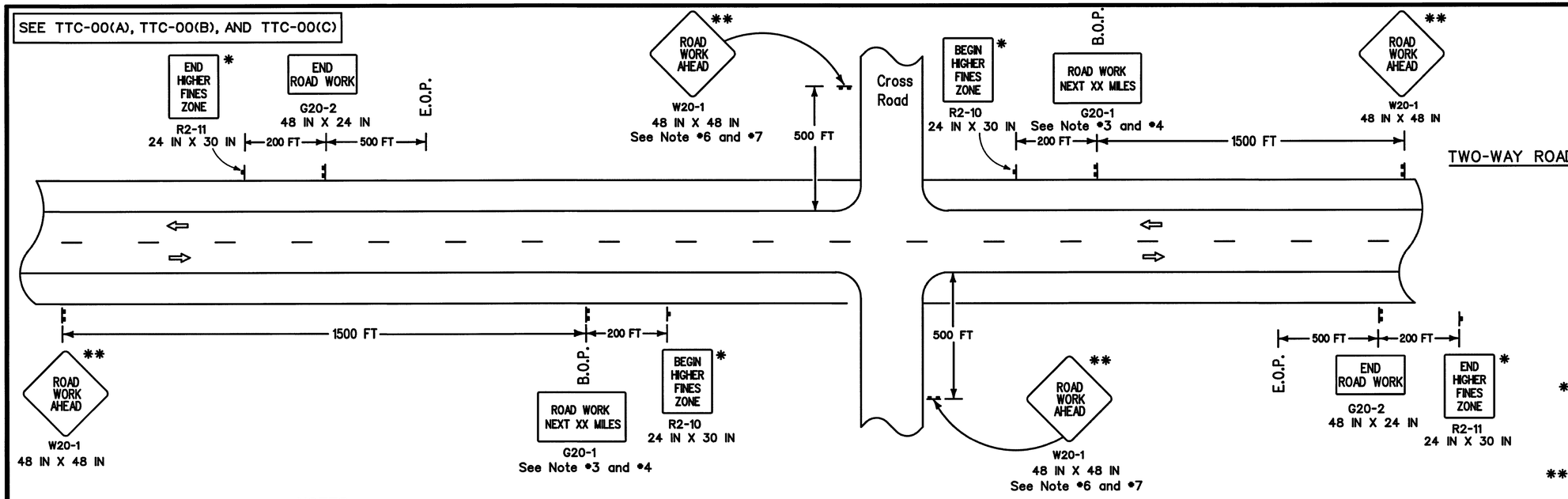
TEMPORARY TRAFFIC CONTROL
GENERAL NOTES SHEET

TTC-00 (C)

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

SEE TTC-00(A), TTC-00(B), AND TTC-00(C)



* For divided roadways with speeds ≥ 50 mph use larger sign, 36 IN X 48 IN.

** Any sign of the W20-1 series may be used.

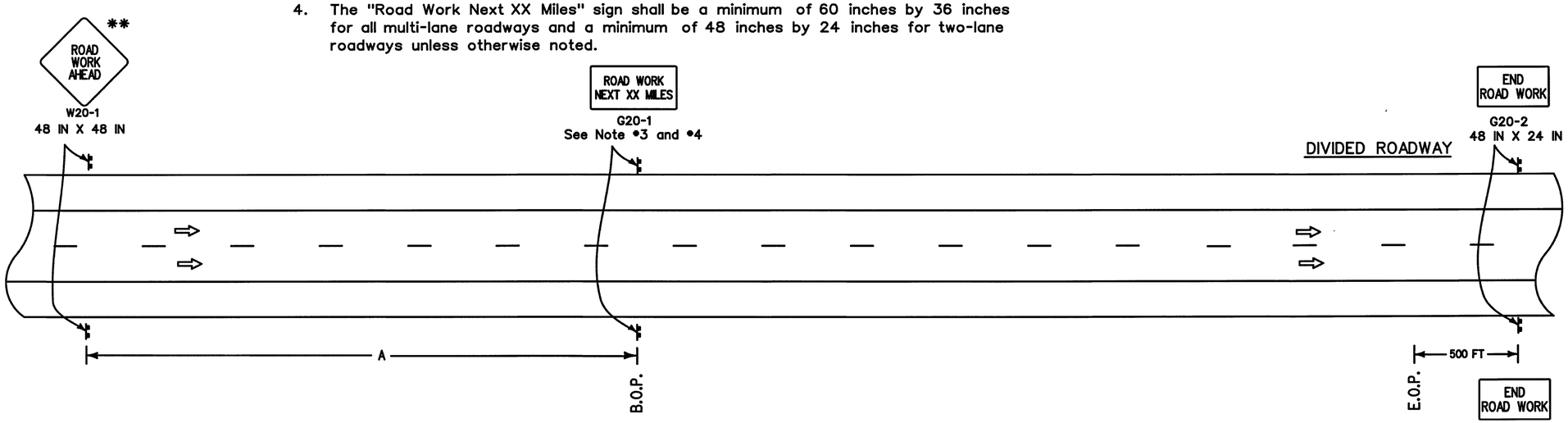
NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and other Temporary Traffic Control Sheets as appropriate.

1. This layout represents the minimum traffic controls required for placement of "Road Work Next XX Miles" and "End Road Work" signs.
2. This layout does not replace other TTC Standard Sheets, but is intended as a supplement to the required signing.
3. The distance on the "Road Work Next XX Miles" sign shall be rounded up to the nearest whole mile. This sign shall be placed at the Beginning of Project (B.O.P.) limits. This sign may be omitted if work zone is less than 0.5 miles.
4. The "Road Work Next XX Miles" sign shall be a minimum of 60 inches by 36 inches for all multi-lane roadways and a minimum of 48 inches by 24 inches for two-lane roadways unless otherwise noted.
5. The "End Road Work" sign shall be placed 500 feet past the End of Project (E.O.P.) limits.
6. If "Road Work Ahead" sign is used on a cross road to warn of road work on another route, then "End Road Work" sign is not required.
7. When projects are separated by less than 1 mile, they shall be signed as one project; this may require coordination.

LEGEND

- Traffic Sign
- ⇨ Direction of Travel



SPEED LIMIT (prior to construction)	SPACING 'A'
≤40 mph	1500 FT
45 mph	2640 FT
>45 mph	5280 FT

- Sign spacing to be adjusted for Horizontal and Vertical curves.
- For work outside of the traveled way, see TTC-01 and TTC-02.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 333

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER | CHECK M. RILOVICH | DETAIL | CHECK | REVIEW | SERIES •

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY
1	4-3-24	MINOR CORRECTIONS	BRB

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

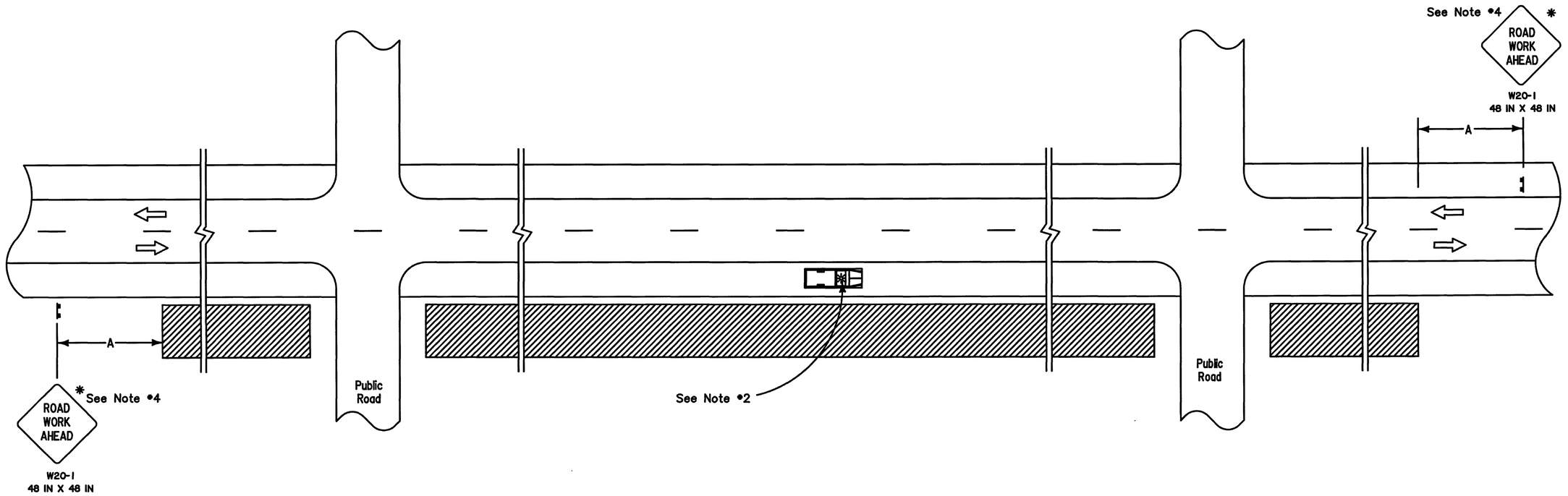
TEMPORARY TRAFFIC CONTROL LAYOUT FOR PLACEMENT OF ROAD WORK NEXT XX MILES AND END ROAD WORK SIGNS

TTC-00 (D)

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

SEE TTC-00(A), TTC-00(B) AND TTC-00(C)



LEGEND

- Traffic Sign
- Work Area
- Direction of Travel
- Q Truck with Green/Amber Light

SPEED LIMIT (prior to construction)	SPACING
	'A'
≤ 40 mph	500 FT
45-50 mph	1000 FT
≥ 55 mph	1500 FT

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B) and TTC-00(C).

1. This layout represents the minimum traffic controls required for workers and equipment operating more than 15 feet from the travel way.
2. Q If the operation results in equipment or other vehicles being parked closer than 15 feet to the travel way, but not within the roadway, each vehicle shall have an green/amber light.
3. When a work area has been established on one side of the roadway only, there shall be no parking on the opposite shoulder within 500 feet of the work area.
4. Other signs may be used in place of the "Road Work Ahead" sign, such as W21-8 (Mowing), W21-7 (Utility), or W21-6 (Survey) when applicable.

* Any sign of the W20-1 series may be used.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 334

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER | CHECK M. RILOVICH | DETAIL CHECK | REVIEW | SERIES *

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY
Q	4-3-24	MINOR CORRECTIONS	BRB

STATE OF LOUISIANA JOHN BEL EDWARDS GOVERNOR

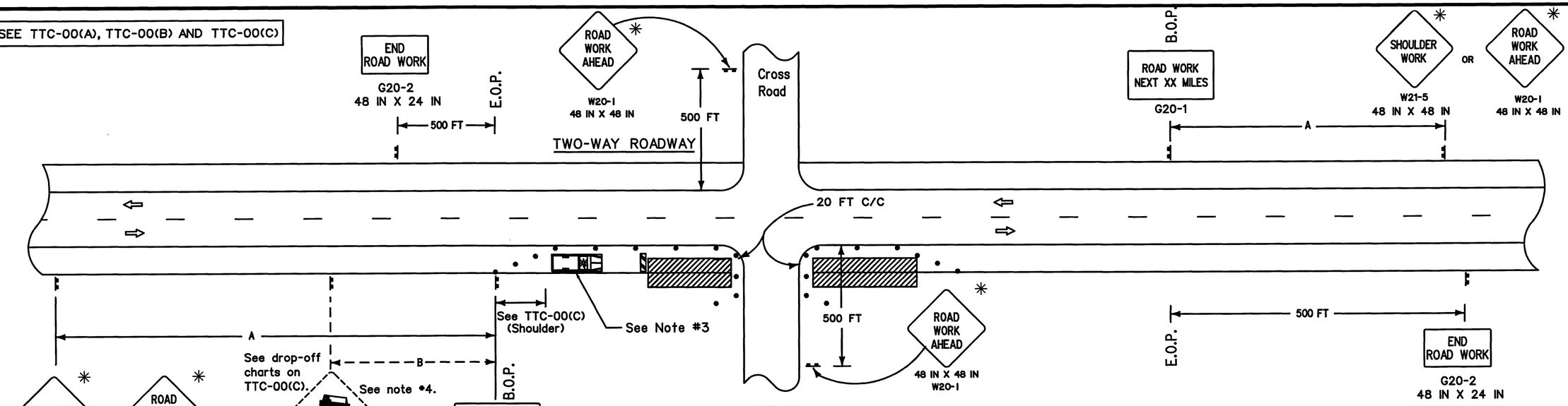
TEMPORARY TRAFFIC CONTROL FOR WORK GREATER THAN 15 FEET FROM THE TRAVELED WAY

TTC-01

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

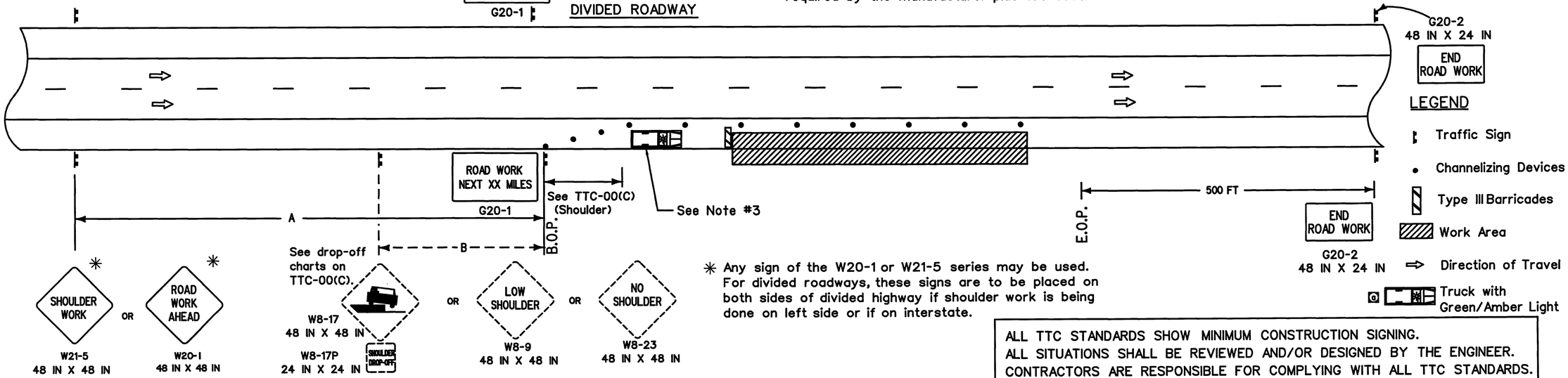
SEE TTC-00(A), TTC-00(B) AND TTC-00(C)



SPEED LIMIT (prior to construction)	SPACING	
	'A'	'B'
≤ 40 mph	500 FT	250 FT
45-50 mph	1000 FT	350 FT
≥ 55 mph	1500 FT	500 FT
Expressway/Interstate	2500 FT	1000 FT

- See TTC-00(C) for minimum taper length and maximum device spacing for shoulder closure tapers.
- If horizontal curve radius is less than 300 feet, device spacing shall be 25 feet.





NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C)

1. This layout represents the minimum traffic controls required for workers and equipment operating less than 15 feet from the traveled way for more than one hour. Less than one hour, see figure TA-4 of the MUTCD.
2. No signs or barricades are required for equipment operating or work in progress greater than 15 feet from the traveled way. (See TTC-01).
3. Work or equipment confined to a spot location (less than 200 feet) shall be marked by channelizing devices spaced at 25 feet or by a vehicle with a green/amber light visible to traffic. Work extending more than 200 feet of roadway length shall be marked with appropriate devices spaced as noted on TTC-00(C).
4. Applicable drop-off sign options are defined on TTC-00(C).
5. The distance on the "Road Work Next XX Miles" sign shall be rounded up to the nearest whole mile. This sign shall be placed at the Beginning of Project (B.O.P.) limits. This sign may be omitted if work zone is less than 0.5 miles.
6. A vehicle with a flashing green/amber light and a truck mounted attenuator shall be used on all shoulders of all interstates, as well as all roadways with an ADT greater than 20,000 and a pre-construction speed greater than or equal to 40 mph. This vehicle shall move with work operations not to exceed the roll-ahead distance required by the manufacturer plus 100 feet.

LEGEND

- Traffic Sign
- Channelizing Devices
- Type III Barricades
- Work Area
- Direction of Travel
- Truck with Green/Amber Light

✳ Any sign of the W20-1 or W21-5 series may be used. For divided roadways, these signs are to be placed on both sides of divided highway if shoulder work is being done on left side or if on interstate.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 335

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER | CHECK M. RILOVICH | DETAIL | CHECK | REVIEW | SERIES #

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION
1	4-3-24	BRB	MINOR CORRECTIONS

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

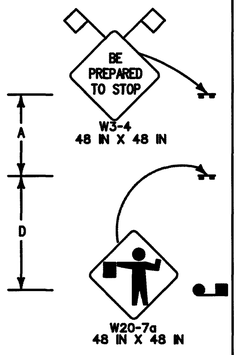
TEMPORARY TRAFFIC CONTROL
LAYOUT FOR WORK LESS THAN 15 FEET FROM THE TRAVELED WAY

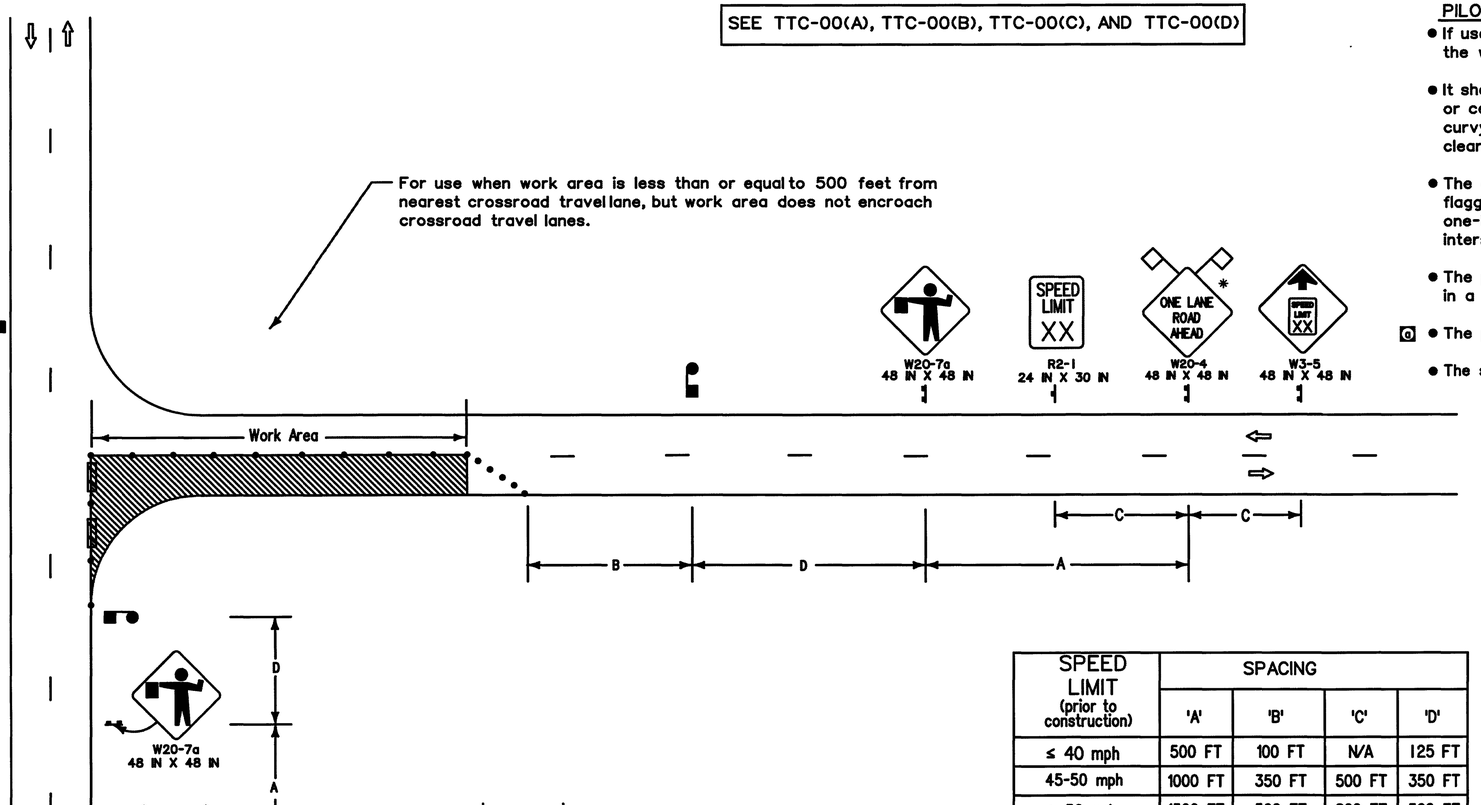
TTC-02

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

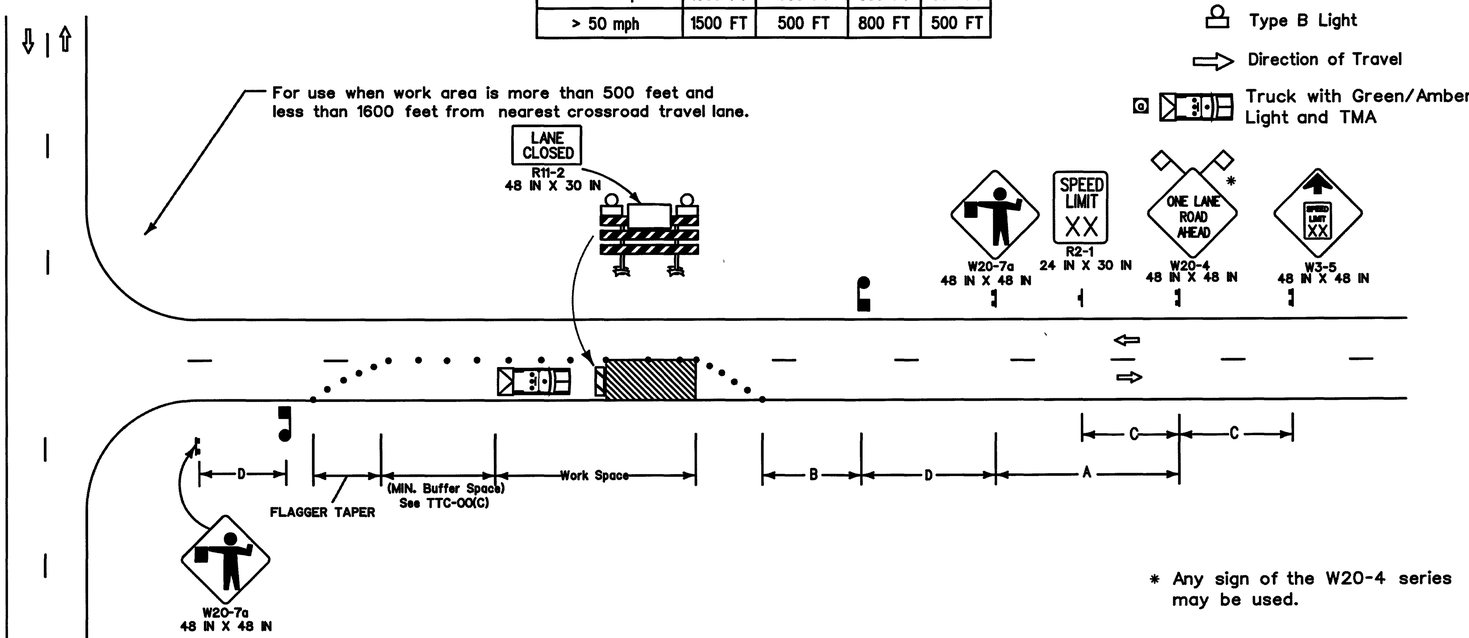
TRAFFIC ENGINEERING

SEE TTC-00(A), TTC-00(B), TTC-00(C), AND TTC-00(D)





SPEED LIMIT (prior to construction)	SPACING			
	'A'	'B'	'C'	'D'
≤ 40 mph	500 FT	100 FT	N/A	125 FT
45-50 mph	1000 FT	350 FT	500 FT	350 FT
> 50 mph	1500 FT	500 FT	800 FT	500 FT



* Any sign of the W20-4 series may be used.

PILOT CAR

- If used, a pilot car shall guide a queue of vehicles through the work zone or diversion.
- It shall be used in restricted visibility operations such as lime or cement stabilization, chip seals, or operations in hilly or curvy terrains, where flaggers cannot see each other (no clear line-of-sight).
- The operation of the pilot vehicle shall be coordinated with flagging operations or other controls at each end of the one-lane section and all major driveways and street intersections.
- The pilot car sign should be mounted 7 feet above roadway in a position visible to oncoming and following traffic.
- Q The pilot car shall have a green/amber beacon light.
- The sign mounted on the vehicle shall be two-sided.



LEGEND

- Traffic Sign
- Channelizing Devices
- Type III Barricades
- Work Area
- Flagger
- Type B Light
- Direction of Travel
- Q Truck with Green/Amber Light and TMA

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and TTC-00(D).

1. This layout represents the minimum traffic controls required for lane closures on two-lane roads with two-way traffic less than 1600 feet from an intersection. For advance signing see TTC-00(D).
2. Visual or radio contact shall be required between flaggers at all times. The flagger shall be visible from flagger sign.
3. Only law officers shall direct traffic against a traffic signal indication.
4. If work area is greater than 1600 feet see TTC-04.
5. If a pilot car is required then the contractor is not required to have channelizing devices in the tangent section.
6. Q A vehicle with a flashing green/amber light and a truck mounted attenuator shall be used on all roadways with an ADT greater than 20,000 and a pre-construction speed greater than or equal to 40 mph. This vehicle shall move with work operations not to exceed the roll-ahead distance required by the manufacturer plus 100 feet.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 336

PARISH: JEFFERSON | CONTROL SECTION: 000-26, 826-11 | STATE PROJECT: H.007208

DESIGN: B. BOUCHER | CHECK: M. RILOVICH | DETAIL | CHECK | REVIEW | SERIES #

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY
		MINOR CORRECTIONS	BRB
Q	4-3-24		

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

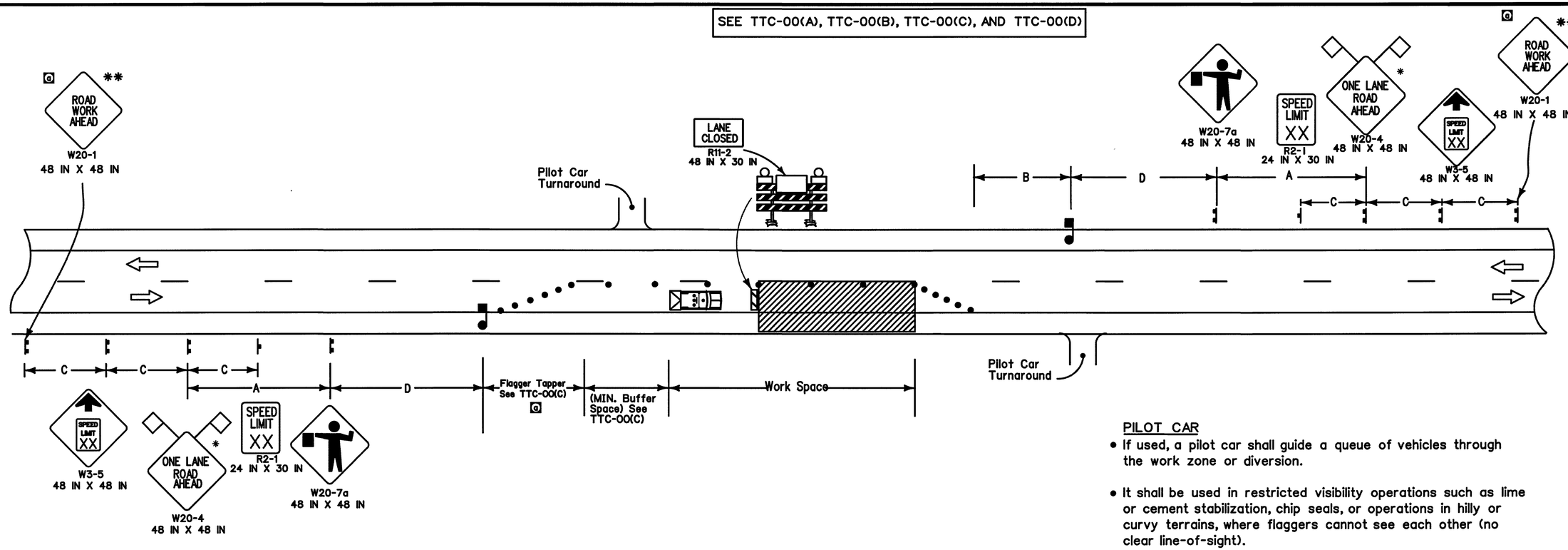
TEMPORARY TRAFFIC CONTROL LAYOUT FOR LANE CLOSURES ON TWO LANE ROADS WITH TWO-WAY TRAFFIC NEAR INTERSECTIONS (FLAGGING OPERATIONS)

TTC-03

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

SEE TTC-00(A), TTC-00(B), TTC-00(C), AND TTC-00(D)



NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C) and TTC-00(D).

1. This layout represents the minimum traffic controls required for lane closures on two-lane roads with two-way traffic greater than 1600 feet from an intersection. For this type of closure either a flagger or a pilot car will be required. For advance signing see TTC-00(D).

2. To prevent vehicles from entering the work area against the flow of traffic, an additional flagger shall be stationed at each intersection, major driveway, railroad crossing, or crossing within the work area.

3. For projects in rural areas the distance between flaggers shall not exceed:
   (A) 2.5 miles for ADT<2,500
   (B) 2.0 miles for 2,500<ADT<5,000
   (C) 1.5 miles for ADT>5,000

4. The flagger station shall be near the beginning of the taper and shall have adequate sight distance to be visible to oncoming traffic. If sight distance cannot be achieved, the distance between flaggers may be extended for a short duration.

5. Visual or radio contact shall be required between flaggers at all times. The flagger shall be visible from the flagger sign.

Q 6. A vehicle with a flashing green/amber light and a truck mounted attenuator shall be used on all roadways with an ADT greater than 20,000 and a pre-construction speed greater than or equal to 40 mph. This vehicle shall move with work operations not to exceed the roll-ahead distance required by the manufacturer plus 100 feet.

7. If a pilot car is required then the contractor is not required to have channelizing devices in the tangent section.

8. If work zone is less than 1600 feet from an intersection see TTC-03.

SPEED LIMIT (prior to construction)	SPACING			
	'A'	'B'	'C'	'D'
≤ 40 mph	500 FT	100 FT	N/A	125 FT
45-50 mph	1000 FT	350 FT	500 FT	350 FT
≥ 55 mph	1500 FT	500 FT	800 FT	500 FT

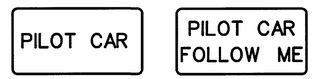
* Any sign of the W20-4 series may be used.

Q ** For extended length projects, if the distance between the current working area and beginning of the project exceeds 2500', an additional W20-1 should be added before the W3-5 sign to remind traffic of the work area.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

PILOT CAR

- If used, a pilot car shall guide a queue of vehicles through the work zone or diversion.
- It shall be used in restricted visibility operations such as lime or cement stabilization, chip seals, or operations in hilly or curvy terrains, where flaggers cannot see each other (no clear line-of-sight).
- The operation of the pilot vehicle shall be coordinated with flagging operations or other controls at each end of the one-lane section and all major driveways and street intersections.
- The pilot car sign should be mounted 7 feet above roadway in a position visible to oncoming and following traffic.
- Q The pilot car shall have an green/amber beacon light.
- The sign mounted on the vehicle shall be two-sided.



LEGEND

- Traffic Sign
- Flagger
- Channelizing Devices
- Type III Barricades
- Work Area
- Type B Light
- Direction of Travel
- Q Truck with Green/Amber Light and TMA

SHEET NUMBER 337

PARISH: JEFFERSON | CONTROL SECTION: 000-26, 826-11 | STATE PROJECT: H.007208

DESIGN CHECK: B. BOUCHER M. RILOVICH | DETAIL CHECK | REVIEW | SERIES

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION	BY
Q	4-3-24	ADD W20-1 SIGN, PROJECT LENGTH, MINOR CORRECTIONS	BRB

REVISION OR CHANGE ORDER DESCRIPTION

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY TRAFFIC CONTROL LAYOUT FOR LANE CLOSURES ON TWO LANE ROADS WITH TWO-WAY TRAFFIC (FLAGGING OPERATIONS)

TTC-04

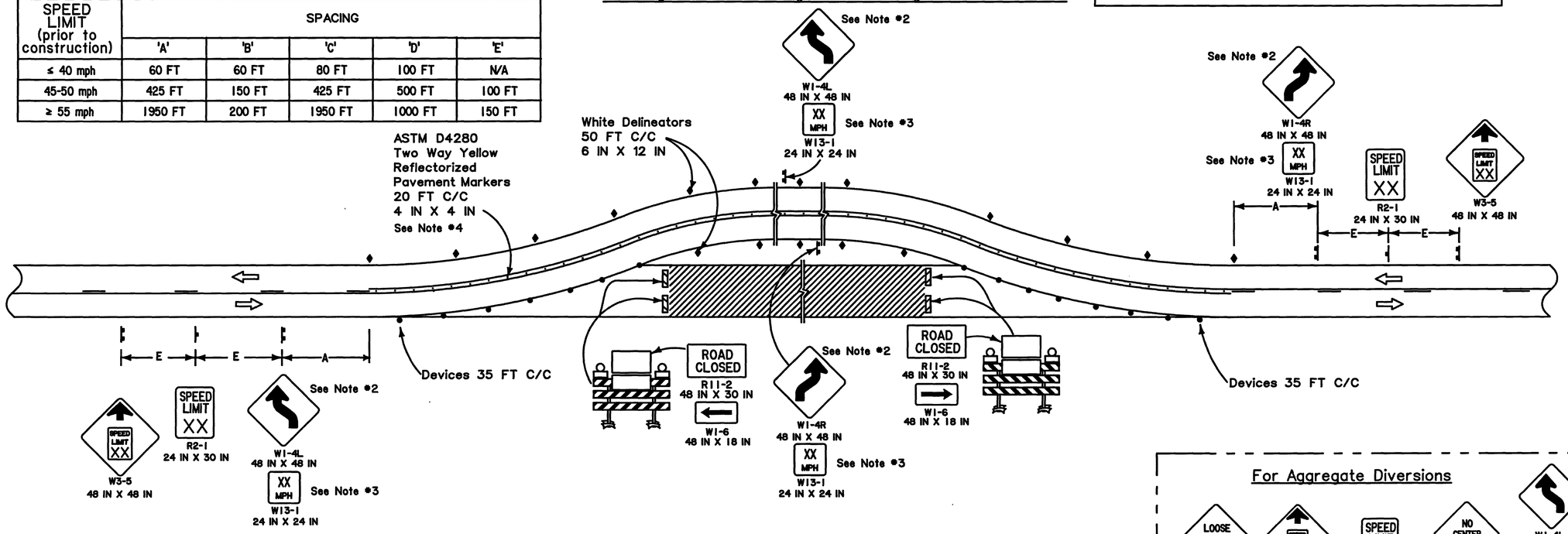
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

SPEED LIMIT (prior to construction)	SPACING				
	'A'	'B'	'C'	'D'	'E'
≤ 40 mph	60 FT	60 FT	80 FT	100 FT	N/A
45-50 mph	425 FT	150 FT	425 FT	500 FT	100 FT
≥ 55 mph	1950 FT	200 FT	1950 FT	1000 FT	150 FT

For tangent distances along the diversion greater than 600 FT

SEE TTC-00(A), TTC-00(B), TTC-00(C), AND TTC-00(D)



LEGEND

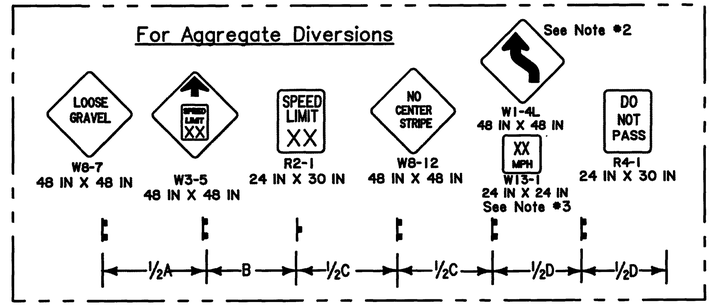
- Traffic Sign
- Channelizing Devices
- Type III Barricades
- Single White Delineators (6IN X 12 IN)
- Reflectorized Pavement Markers
- Type B Light
- Direction of Travel

NOTES

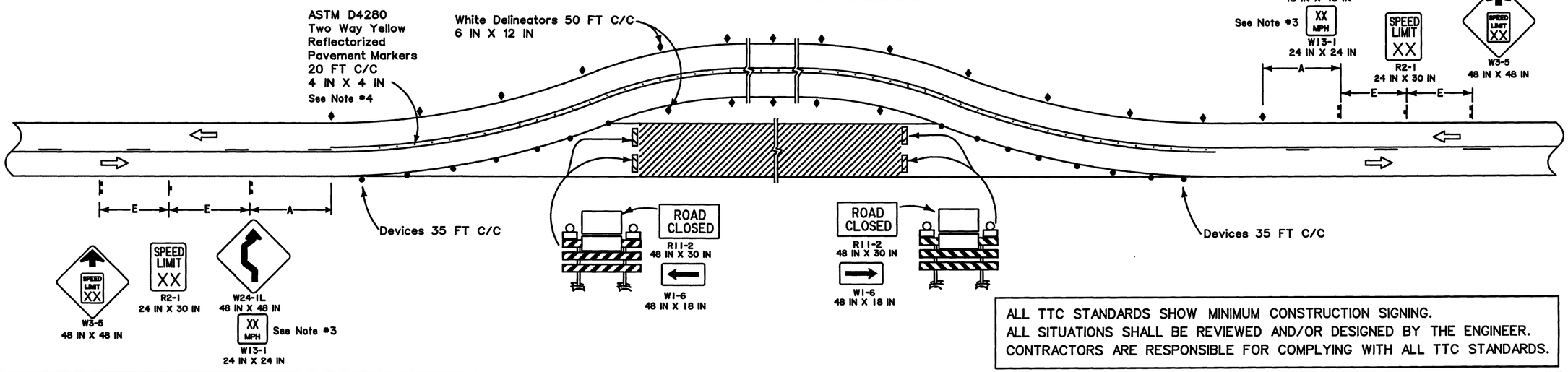
This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and TTC-00(D).

1. This layout represents the minimum traffic controls required for a paved or aggregate diversion. For advance signing see TTC-00(D).
2. If advisory speed is less than 35 mph, the reverse curve signs (W1-4L or W1-4R) will be changed to reverse turn sign (W1-3L or W1-3R).
3. Advisory speed plaques (W13-1) shall be required if the difference between the speed limit prior to construction and the advisory speed (determined by an engineering study performed by the DTOE) is 10 mph or greater.
4. Paved Diversions shall be striped with double yellow solid lines and raised pavement markings as per LADOTD Pavement Marking Standards.
5. Aggregate Diversions shall include "Do Not Pass" (R4-1) signs, "Loose Gravel" (W8-7) signs, and "No Center Stripe" (W8-12) signs and either supercones or flex posts to delineate the centerline.

For Aggregate Diversions



For tangent distances along the diversion less than or equal to 600 FT



ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 338

PARISH: JEFFERSON | CONTROL SECTION: 000-26, 826-11 | STATE PROJECT: H.007208

DESIGN: B. BOUCHER | CHECK: M. RILOVICH | DETAIL | CHECK | REVIEW | SERIES #

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

REVISION OR CHANGE ORDER DESCRIPTION | DATE | NO. | BY

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

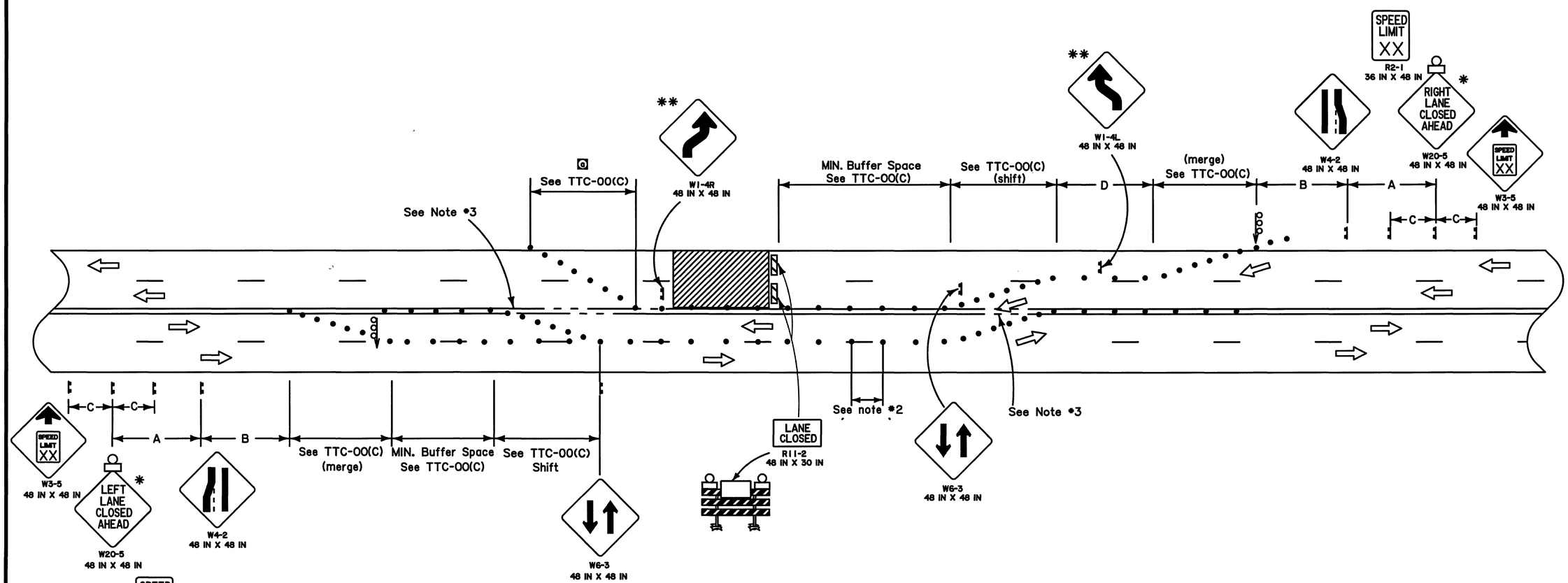
TEMPORARY TRAFFIC CONTROL FOR ON SITE DIVERSION WITH TWO-WAY TRAFFIC

TTC-05

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

SEE TTC-00(A), TTC-00(B), TTC-00(C), AND TTC-00(D)



SPEED LIMIT (prior to construction)	SPACING			
	'A'	'B'	'C'	'D'
25 mph	250 FT	250 FT	N/A	65 FT
30 mph	250 FT	250 FT	N/A	90 FT
35 mph	500 FT	350 FT	N/A	125 FT
40 mph	500 FT	350 FT	N/A	160 FT
45 mph	1000 FT	500 FT	500 FT	270 FT
50 mph	1640 FT	1000 FT	800 FT	300 FT
55 mph	1640 FT	1000 FT	800 FT	330 FT

* Any sign of the W20-5 series may be used.

** In order to give road users advance notice of a lane shift, a Reverse Curve (W1-4, W1-4b or W1-4c) sign should be used when a lane (or lanes) is being shifted to the left or right. If a Reverse Curve sign is used and design speed of the curves is 30 mph or less, a Reverse Turn (W1-3) sign shall be used.

LEGEND

- Traffic Sign
- Channelizing Devices
- Type III Barricades
- Flashing Arrow Board (Type 'C')
- Work Area
- Type B Light
- Direction of Travel

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes sheets TTC-00(A), TTC-00(B), TTC-00(C), and TTC-00(D).

1. This layout represents the minimum traffic controls required for closure of two adjacent lanes on a four-lane undivided highway. For advance signing see TTC-00(D).
2. During daytime operations, traffic cones may be used to seperate traffic lanes. When this layout is authorized to be used during nighttime hours or if the width of the traffic lanes are less than 11 feet, the contractor shall be required to use flex posts or super cones to separate head-to-head (two-lane two way traffic) spaced at 20 feet in tangent and 10 feet in taper.
3. When traffic control is planned to be in place for more than 3 days, conflicting pavement markings shall be removed and temporary markings added.
4. A flagger shall be used to alert motorists when equipment or workers encroach within 2 feet of an open lane. The flagger shall be posted inside the work zone, adjacent to the open travel lane, and immediately upstream of each operation to facilitate ingress/egress of construction equipment and vehicles. Encroachment shall be held to a minimum.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER 339

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER
CHECK M. RILOVICH
DETAIL
CHECK
REVIEW
SERIES •

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	BY
1	4-3-24	BRB

REVISION OR CHANGE ORDER DESCRIPTION: CLARIFY TAPER LENGTHS

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY TRAFFIC CONTROL FOR CLOSURE OF TWO ADJACENT LANES ON FOUR-LANE UNDIVIDED HIGHWAYS

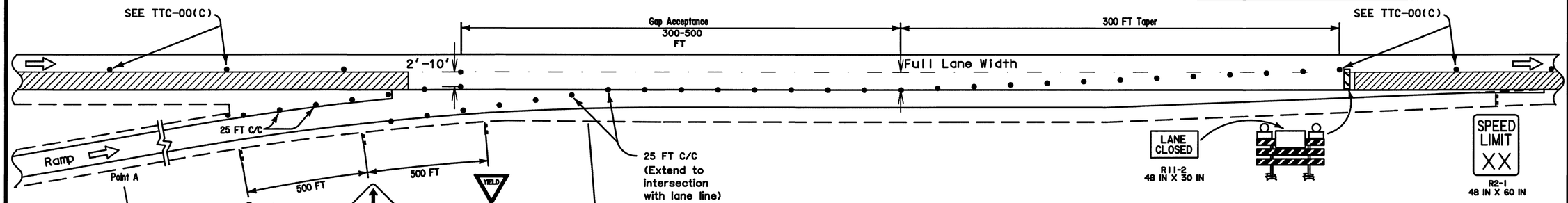
TTC-07

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

FREEWAY ENTRANCE WITH RIGHT LANE CLOSED

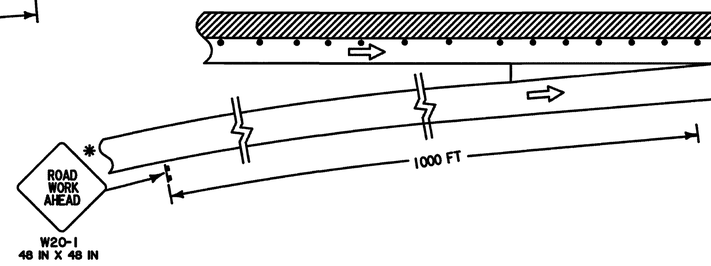
SEE TTC-00(A), TTC-00(B), TTC-00(C), AND TTC-00(D)



The Minimum Radius prior to Lg should be a minimum of 1000 feet. Anything less than 1000 feet shall be approved by the Engineer.

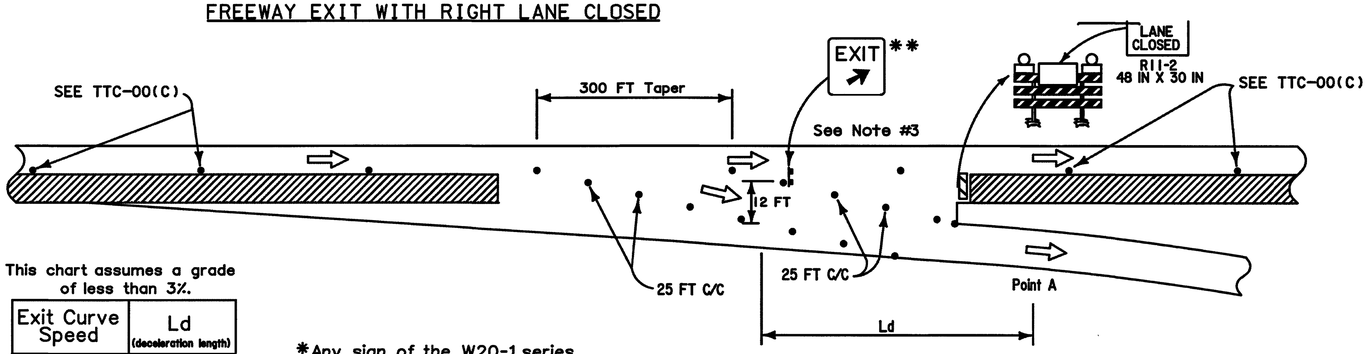
Point A controls the speed of the ramp, which is the PC or PCC of the curve. Assume that 45 mph is achieved at this point on diagonal ramps and 20 mph is achieved for loop ramps.

FREEWAY ENTRANCE WITH LEFT LANE CLOSED



Note: Existing acceleration lane is not affected by work zone or lane closure.

FREEWAY EXIT WITH RIGHT LANE CLOSED



These charts assume a grade of less than 3%.

Diagonal Ramps	Speed Limit (prior to construction)	La (acceleration length)
	70 mph	820 FT
	65 mph	600 FT
	60 mph	600 FT

Loop Ramps	Speed Limit (prior to construction)	La (acceleration length)
	70 mph	1520 FT
	65 mph	1310 FT
	60 mph	1100 FT

For more information, see Chapter 10 of the AASHTO Green Book.

This chart assumes a grade of less than 3%.

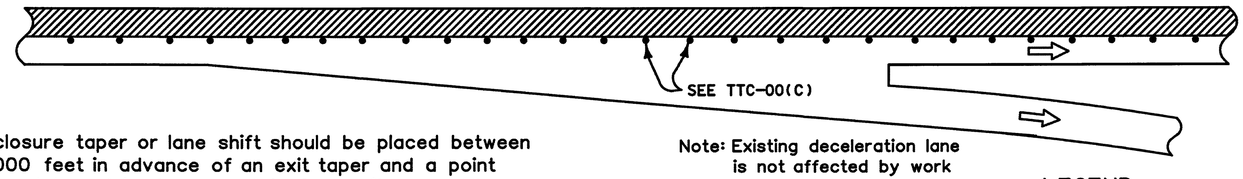
Exit Curve Speed	Ld (deceleration length)
20 mph	500 FT
45 mph	300 FT

For more information, see Chapter 10 of the AASHTO Green Book.

*Any sign of the W20-1 series may be used.

**The temporary green and white "Exit" sign (E5-1) shall be 48 IN X 48 IN.

FREEWAY EXIT WITH LEFT LANE CLOSED



Note: Existing deceleration lane is not affected by work zone or lane closure.

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and TTC-00(D).

1. This layout represents the minimum traffic controls required for a temporary work area with lane closures through ramp entrances and exit tapers on a freeway. For advance signing see TTC-00(D).
2. For mainline lane closures see TTC-09, TTC-10 or TTC-11.
3. The mounting height of the temporary "Exit" sign (E5-1) shall be a minimum of 7 feet from the pavement surface to the bottom of the sign. The existing green and white "Exit" sign shall be covered.
4. If acceleration distance (La) and/or gap acceptance (Lg) of 300 feet cannot be achieved, the ramp shall be closed.
5. No lane closure taper or lane shift should be placed between a point 1000 feet in advance of an exit taper and a point 100 feet past the striped gore point of an exit ramp. The Engineer can reduce the 1000 feet distance requirement if field conditions justify the reduction.
6. No lane closure taper or lane shift should be placed between a point 100 feet in advance of the striped gore point of an on ramp and a point that is a distance of 2L from the end of the acceleration lane taper. See TTC-00(C) for taper lengths.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

LEGEND

- Traffic Sign
- Channelizing Devices
- Type III Barricades
- Work Area
- Type B Light
- Direction of Travel

SHEET NUMBER 340

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER — CHECK M. RILOVICH — DETAIL — CHECK — REVIEW — SERIES #

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY TRAFFIC CONTROL FOR LANE CLOSURES THROUGH RAMP ENTRANCE AND EXIT TAPERS

TTC-12

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TRAFFIC ENGINEERING

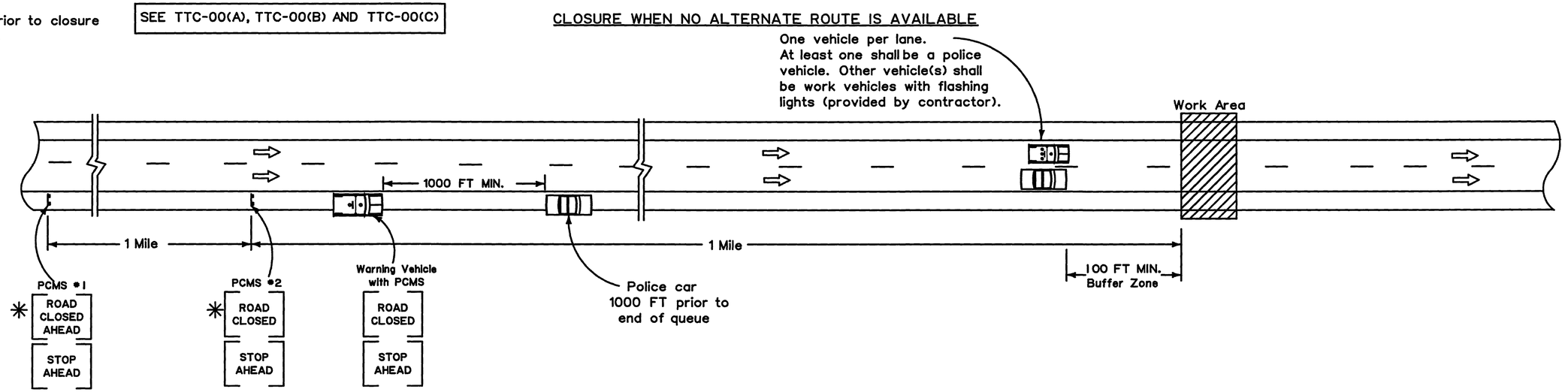
*48 hours prior to closure
PCMS #1 & #2

ROAD CLOSURE

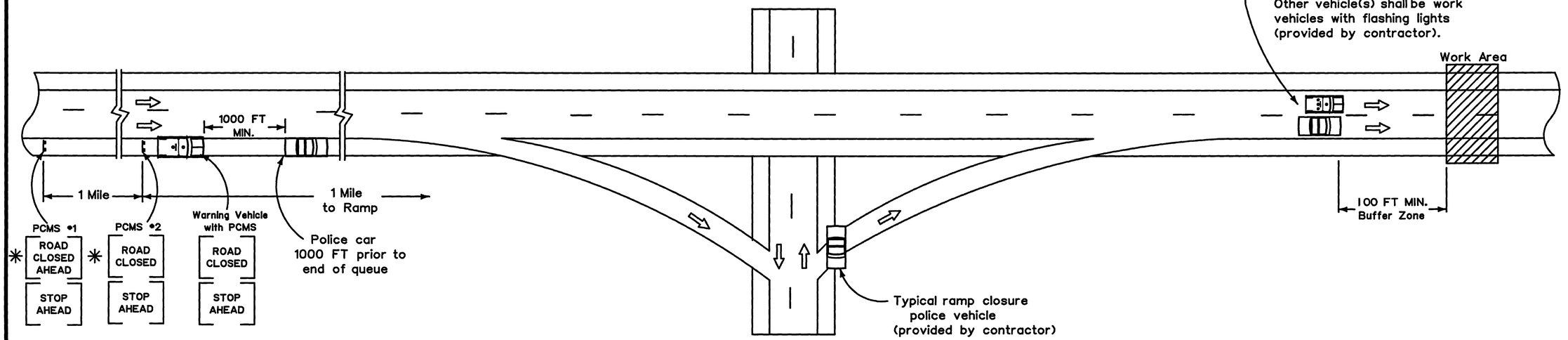
SUNDAY 8 - 9 AM

SEE TTC-00(A), TTC-00(B) AND TTC-00(C)

CLOSURE WHEN NO ALTERNATE ROUTE IS AVAILABLE



CLOSURE WHEN ALTERNATE ROUTE IS AVAILABLE FROM NEAREST EXIT



NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B) and TTC-00(C).

1. This layout represents the minimum traffic controls required for short duration closure of divided highways.
2. This type of highway closure shall only be used for emergencies or for construction operations approved by the Engineer and when the duration of closure will not exceed 15 minutes. After the divided highway has been closed and reopened via this procedure a minimum period of 30 minutes or queue dissipation shall elapse before another short duration closure, except with the approval of the Engineer.
3. A minimum of two police officers and two police cars shall be provided on each approach to the closure. Each police car shall have a roof mounted rotation blue light or blue bar.
4. All workers involved in the closure shall maintain radio communications at all times.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

LEGEND

- Direction of Travel
- Police Car
- Work Vehicle with Green/Amber Light
- Warning Vehicle with PCMS

SHEET NUMBER 341

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGN B. BOUCHER
CHECK M. RILOVICH
DETAIL
CHECK
REVIEW
SERIES #

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY
		MINOR CORRECTIONS	BRB
1	4-3-24		

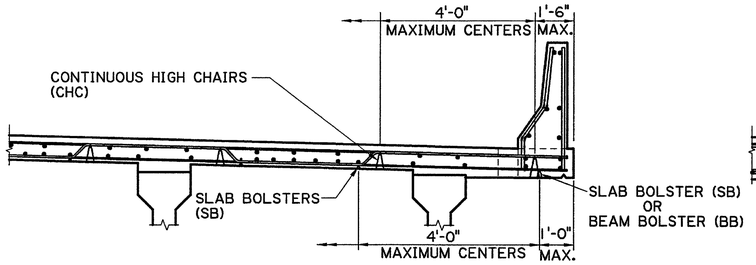
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY TRAFFIC CONTROL FOR SHORT DURATION CLOSING OF DIVIDED HIGHWAYS

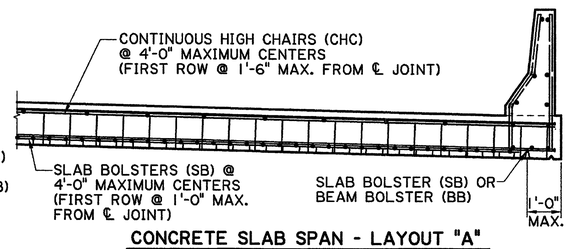
TTC-15

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

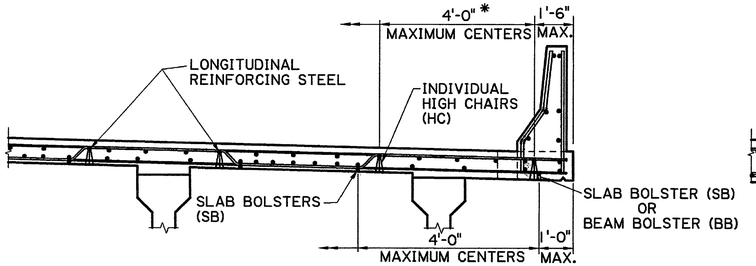
TRAFFIC ENGINEERING



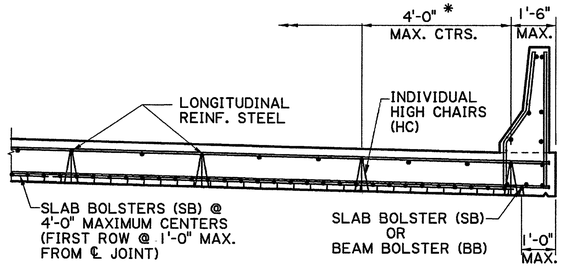
STEEL OR CONCRETE GIRDER SPAN - LAYOUT "A"



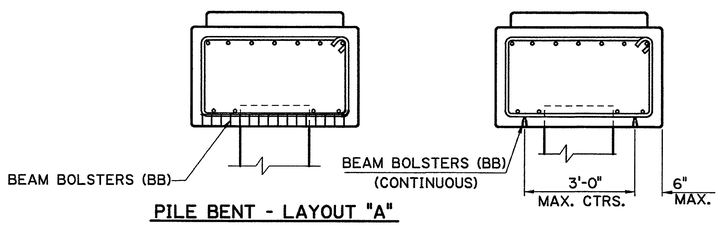
CONCRETE SLAB SPAN - LAYOUT "A"



STEEL OR CONCRETE GIRDER SPAN - LAYOUT "B"
(ALTERNATE)

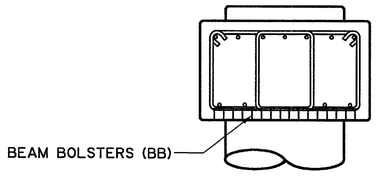


CONCRETE SLAB SPAN - LAYOUT "B"
(ALTERNATE)

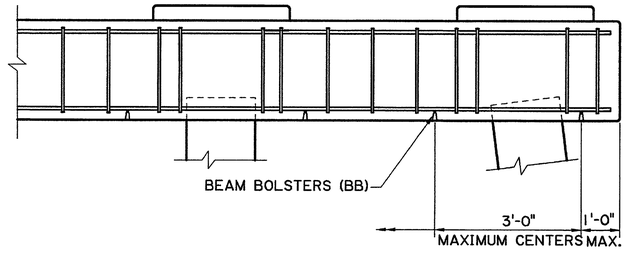


PILE BENT - LAYOUT "A"

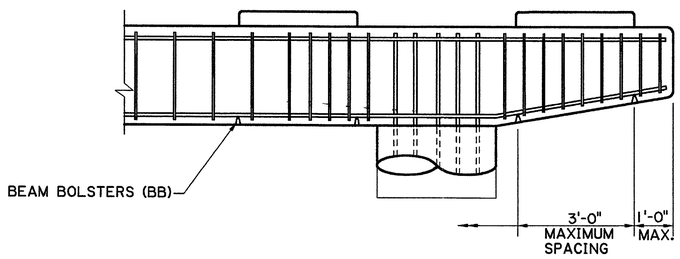
PILE BENT - LAYOUT "B"
(ALTERNATE)



COLUMN BENT



PILE BENT - LAYOUT "A"



COLUMN BENT

GENERAL NOTES:

STEEL WIRE BAR SUPPORTS AND REINFORCING STEEL BARS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS AMENDED BY THE SPECIAL PROVISIONS AND/OR SUPPLEMENTAL SPECIFICATIONS.

HEIGHT OF BAR SUPPORTS ARE TO BE THAT REQUIRED TO SUPPORT THE REINFORCING BARS AT POSITIONS SHOWN IN THE PLANS.
BAR SUPPORTS ARE NOT INTENDED, AND SHALL NOT BE USED, TO SUPPORT RUNWAYS FOR CONCRETE BUGGIES OR SIMILAR LOADS.

WHEN BAR SUPPORTS ARE PLACED IN CONTINUOUS LINES, THEY SHALL BE SO PLACED THAT THE ENDS OF THE SUPPORTING WIRES SHALL BE LAPPED TO LOCK THE LAST LEGS ON ADJOINING PIECES, BUT NO BAR SHALL BE PLACED MORE THAN 2" BEYOND THE LAST LEG AT THE END OF A RUN OF ANY CONTINUOUS SUPPORTS.

WHERE BAR SUPPORTS ARE USED ON EARTH OR AGGREGATE SUB GRADES, SUITABLE PLATES SHALL BE PROVIDED TO PREVENT DISPLACEMENT OF THE SUPPORT FOOT. ALL BAR SUPPORTS BEARING ON THE FORMS SHALL HAVE RADIUS BEARING LEGS IN THE FORM OF A HOOK (UPTURNED LEGS) OR SPHERICAL FOOT AT THE LOWER END OF THE LEGS.

THE BOTTOM OF BAR SUPPORTS SHALL BE COATED WITH AN ACCEPTABLE EPOXY OR PLASTIC MATERIAL FOR A MINIMUM DISTANCE OF 2 INCHES FROM THE POINT OF CONTACT WITH THE FORMS.

METAL TIE WIRES AND BAR SUPPORTS SHALL BE COATED FULLY WITH AN ACCEPTABLE EPOXY, PLASTIC OR NYLON MATERIAL IF USING EPOXY COATED REINFORCING STEEL.

TYPE OF SUPPORT	BAR SUPPORT ILLUSTRATION	MINIMUM WIRE DIAMETER △			REMARKS
		HEIGHT	TOP	LEGS	
SLAB BOLSTER (SB)	5"	ALL	NO. 4 CORRU-GATED	NO. 6	VERTICAL CORRUGATIONS SPACED 1" ON CENTERS
BEAM BOLSTER (BB)	2½ 2½ 2½	UP TO 2" OVER 2"	NO. 7 NO. 4	NO. 7 NO. 4	
⊡ CONTINUOUS HIGH CHAIR (CHC)		2" TO 5" 5" TO 9" OVER 9"	NO. 2 NO. 2 NO. 2	NO. 4 NO. 2 NO. 0	LAYOUT "A" FOR SPANS
❷ INDIVIDUAL HIGH CHAIR (HC)		2" TO 5" 5" TO 9" OVER 9"	N/A N/A N/A	NO. 4 NO. 2 NO. 0	LAYOUT "B" FOR SPANS (ALTERNATE)

△ AMERICAN STEEL AND WIRE GAUGES.

❷ LEGS SHALL BE 20 DEGREES OR LESS WITH VERTICAL WHEN HEIGHT EXCEEDS 1'-0". REINFORCE LEGS WITH WELDED CROSS WIRES OR ENCIRCLING WIRES.

⊡ LEGS SHALL BE 20 DEGREES OR LESS WITH VERTICAL, ON 8¼" CENTER MAXIMUM, WITHIN 4" OF END CHAIR, AND SPREAD BETWEEN LEGS NOT LESS THAN 50% OF NORMAL HEIGHT.

* IF LONGITUDINAL REINFORCING BARS ARE NO. 4, SPACE THE INDIVIDUAL HIGH CHAIRS (HC) @ 3'-0" MAXIMUM CENTERS LONGITUDINALLY; FOR NO. 5 BARS OR LARGER, SPACE @ 4'-0" MAXIMUM CENTERS.

STATE OF LOUISIANA
PAUL B. FOSSIER, JR
License No. 21028
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
11-15-12

SHEET NUMBER 342

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	000-26, 826-11	H.007208

DESIGNED	DETAILED	CHECKED	SERIES NUMBER
CHECKED	G. GRASS	F. FOSSIER	OCT. 2008

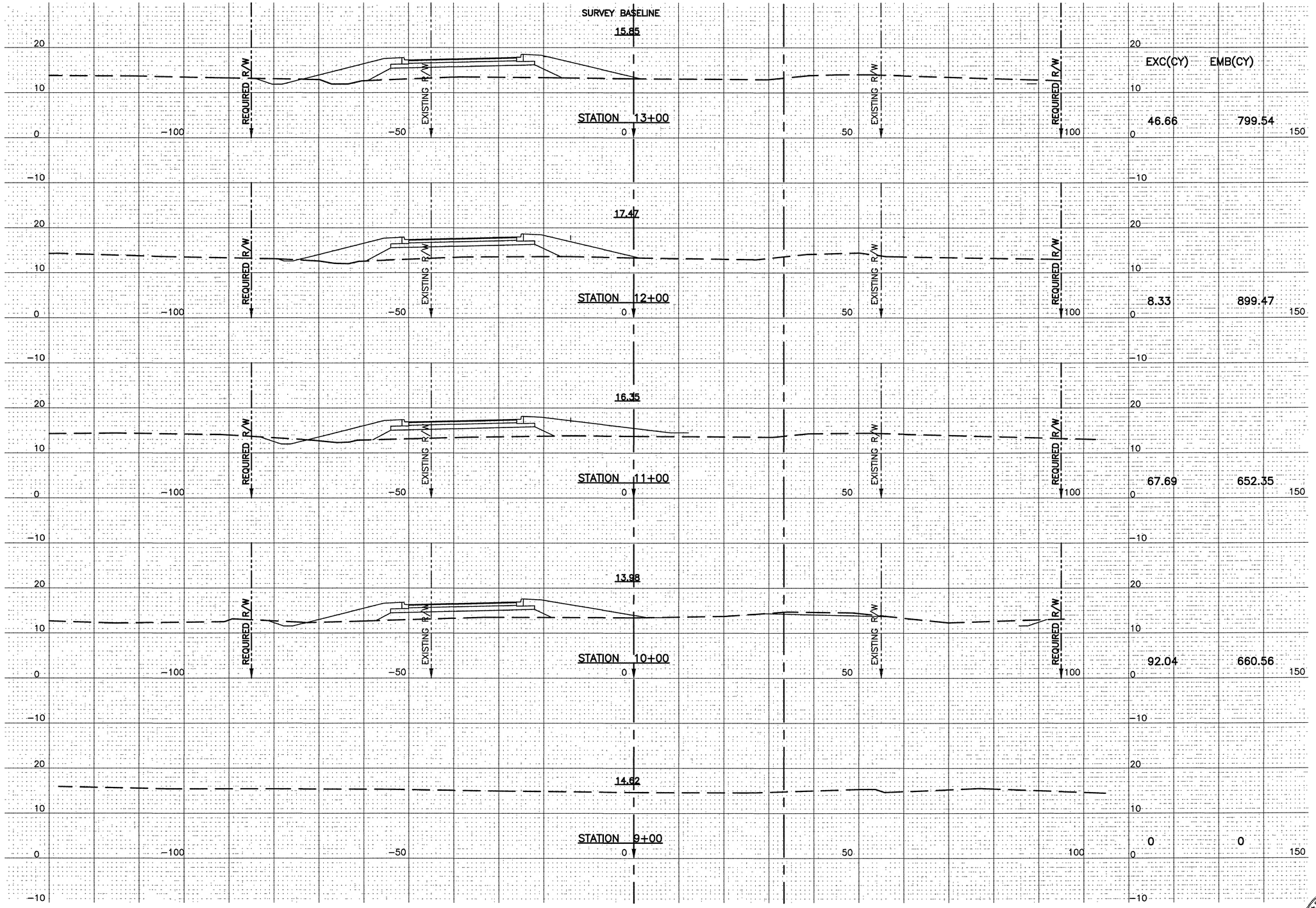
REVISION DESCRIPTION	DATE	BY
Add Note On Support & Tie Coatings	11/15/12	P.F.

APPROVED BY CHIEF ENGINEER:

DATE: 3-6-13

STEEL WIRE BAR SUPPORT
FOR REINFORCING STEEL
SWBS-100

SCALE: 1"=10'



SHEET NUMBER	401
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	JGO / MAC
DETAILED / CHECKED	RMM / JGO
DATE / SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 401-407.dwg 07.23.2025 16:59:17

07/23/2025 16:59

SCALE: 1"=10'

SURVEY BASELINE

		EXC(CY)	EMB(CY)
18.21	STATION 18+00	117.99	963.56
18.02	STATION 17+00	126.55	891.33
18.28	STATION 16+00	106.00	784.73
15.51	STATION 15+00	116.64	743.09
14.28	STATION 14+00	69.21	690.75

REQUIRED R/W
EXISTING R/W
EXISTING R/W
REQUIRED R/W

-100 -50 0 50 100 0 150
20 10 0 -10

SHEET NUMBER 402

PARISH JEFFERSON
CONTROL SECTION 000-26
STATE PROJECT H.007208

DESIGNED JGO MAC
CHECKED
DETAILED RMM JGO
CHECKED
DATE 07/18/25
SHEET

NO. DATE REVISION DESCRIPTION BY

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

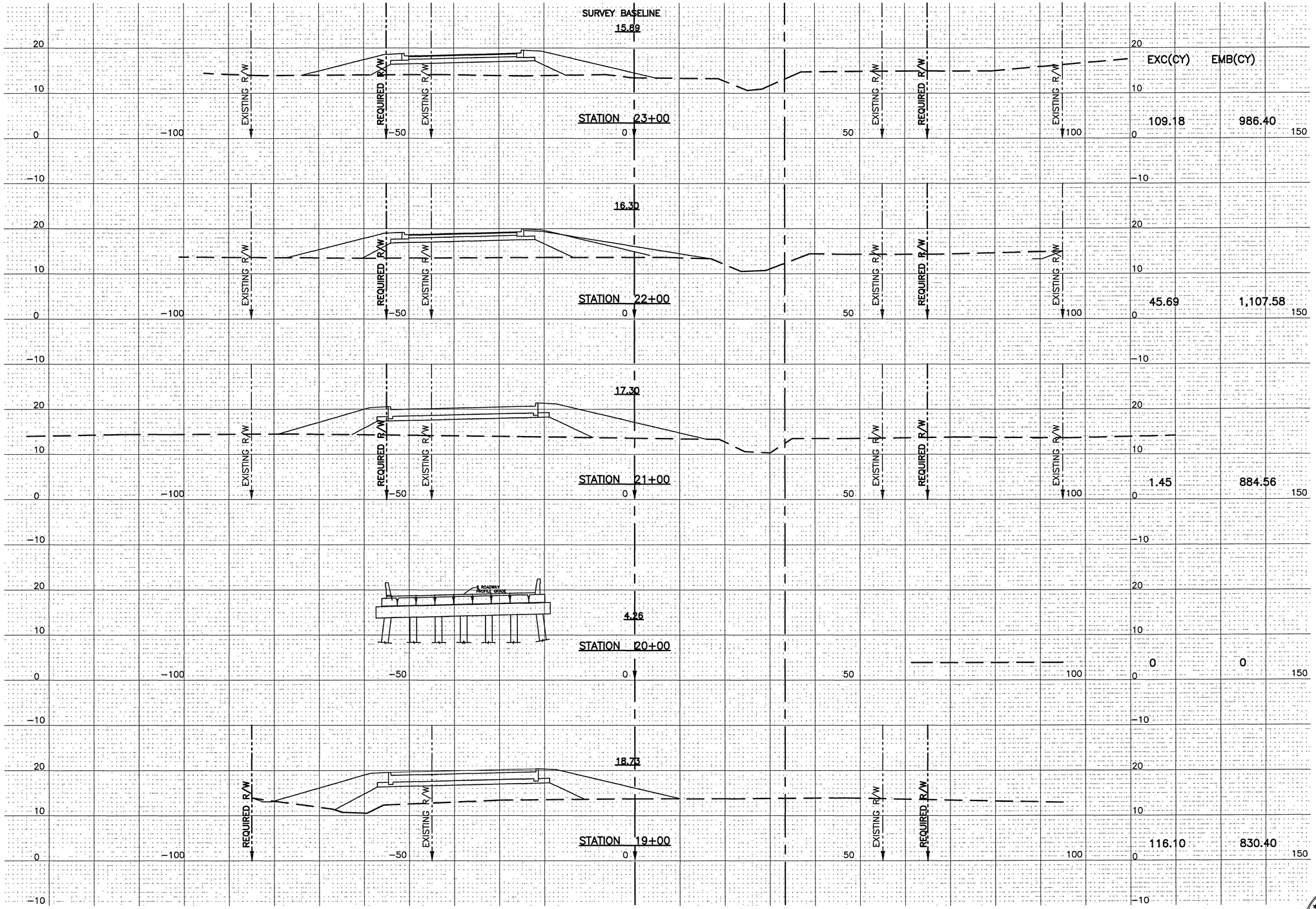
DOTD
PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 401-407.dwg 07.23.2025 17:16:30

07/23/2025 17:16

SCALE: 1"=10'



SHEET NUMBER	403
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	JGO / MAC
DETAILED / CHECKED	RMM / JGO
DATE / SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD--MANHATTAN)

PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Drawing Path: C:\Users\carterm\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 401-407.dwg 07.23.2025 17:11:25

07/23/2025 17:11

SCALE: 1"=10'

SURVEY BASELINE

14.92

STATION 28+00

EXC(CY) 91.34 EMB(CY) 984.21

14.31

STATION 27+00

93.66 830.67

13.70

STATION 26+00

435.56 327.91

14.90

STATION 25+00

368.48 653.16

15.46

STATION 24+00

44.63 1,320.46

EXISTING R/W

REQUIRED R/W

EXISTING R/W

EXISTING R/W

REQUIRED R/W

EXISTING R/W

-100 -50 0 50 100 150

20 10 0 -10

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	404
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	JGO
CHECKED	MAC
DETAILED	RMM
CHECKED	JGO
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

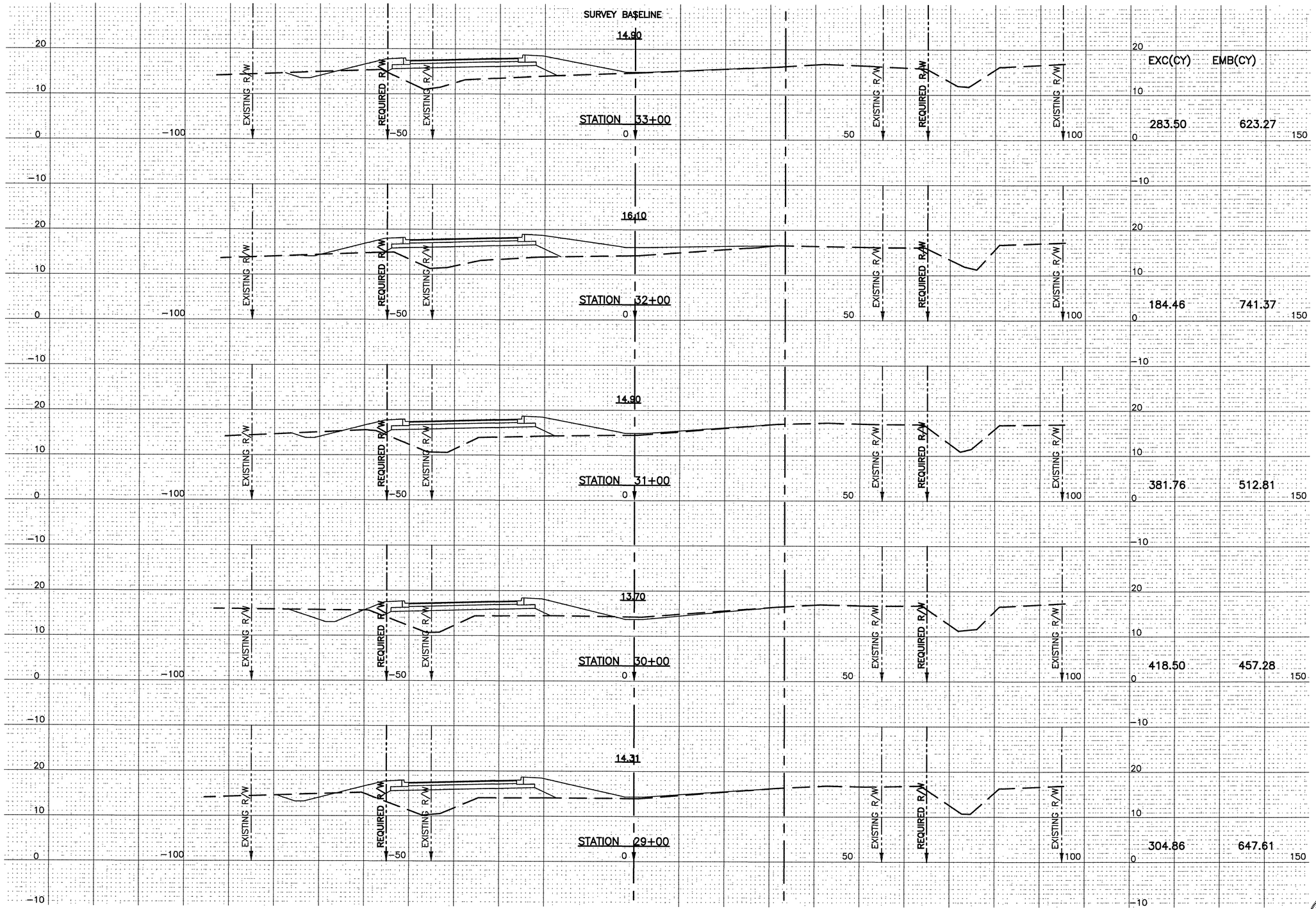
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PERRIN & CARTER, INC.

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SCALE: 1"=10'



SHEET NUMBER	405
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED / CHECKED	JGO / MAC
DETAILED / CHECKED	RWM / JGO
DATE / SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL Engineer
IN
CIVIL ENGINEERING
07/18/2025

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD
PERRIN & CARTER, INC.

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07/23/2025 17:18

SCALE: 1"=10'

SURVEY BASELINE

STATION		EXC(CY)	EMB(CY)
38+00	15.19	239.83	491.32
37+00	14.90	217.67	522.58
36+00	16.10	208.57	535.15
35+00	14.90	591.72	396.85
34+00	13.70	366.29	633.65

EXISTING R/W
REQUIRED R/W
EXISTING R/W
EXISTING R/W
REQUIRED R/W
EXISTING R/W

-100 -50 0 50 100 150
20 10 0 -10

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 00386640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER	406
PARISH	JEFFERSON
CONTROL SECTION	000-26
STATE PROJECT	H.007208
DESIGNED	JCO
CHECKED	MAC
DETAILED	RMM
CHECKED	JGO
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

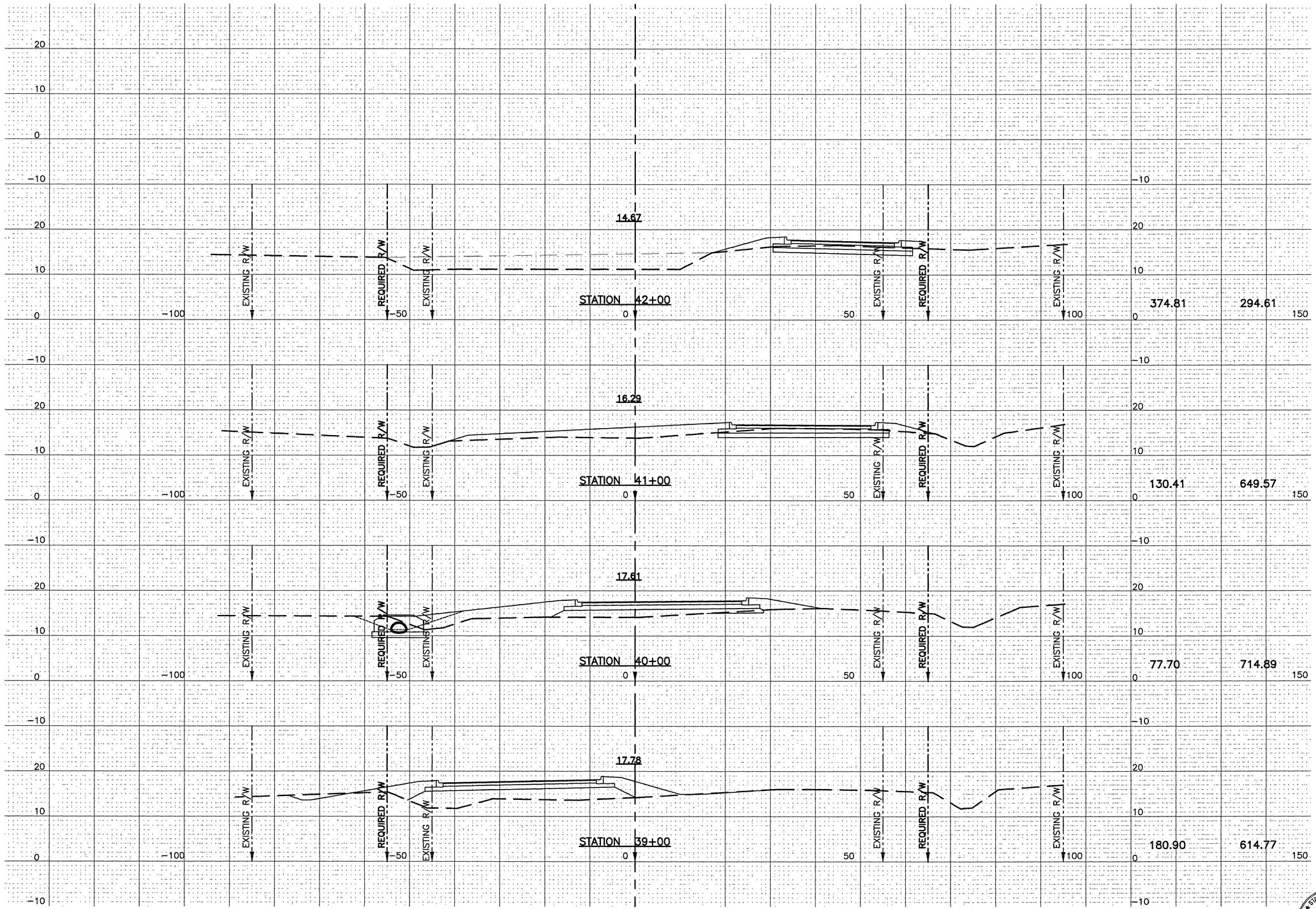
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PERRIN & CARTER, INC.

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07/23/2025 17:20

SCALE: 1"=10'



SHEET NUMBER 407

PARISH JEFFERSON

CONTROL SECTION 000-26

STATE PROJECT H.007208

DESIGNED JGO MAC

CHECKED

DETAILED RMM JGO

CHECKED

DATE 07/18/25

SHEET

NO. DATE REVISION DESCRIPTION BY

CROSS SECTIONS
HARVEY BLVD.

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

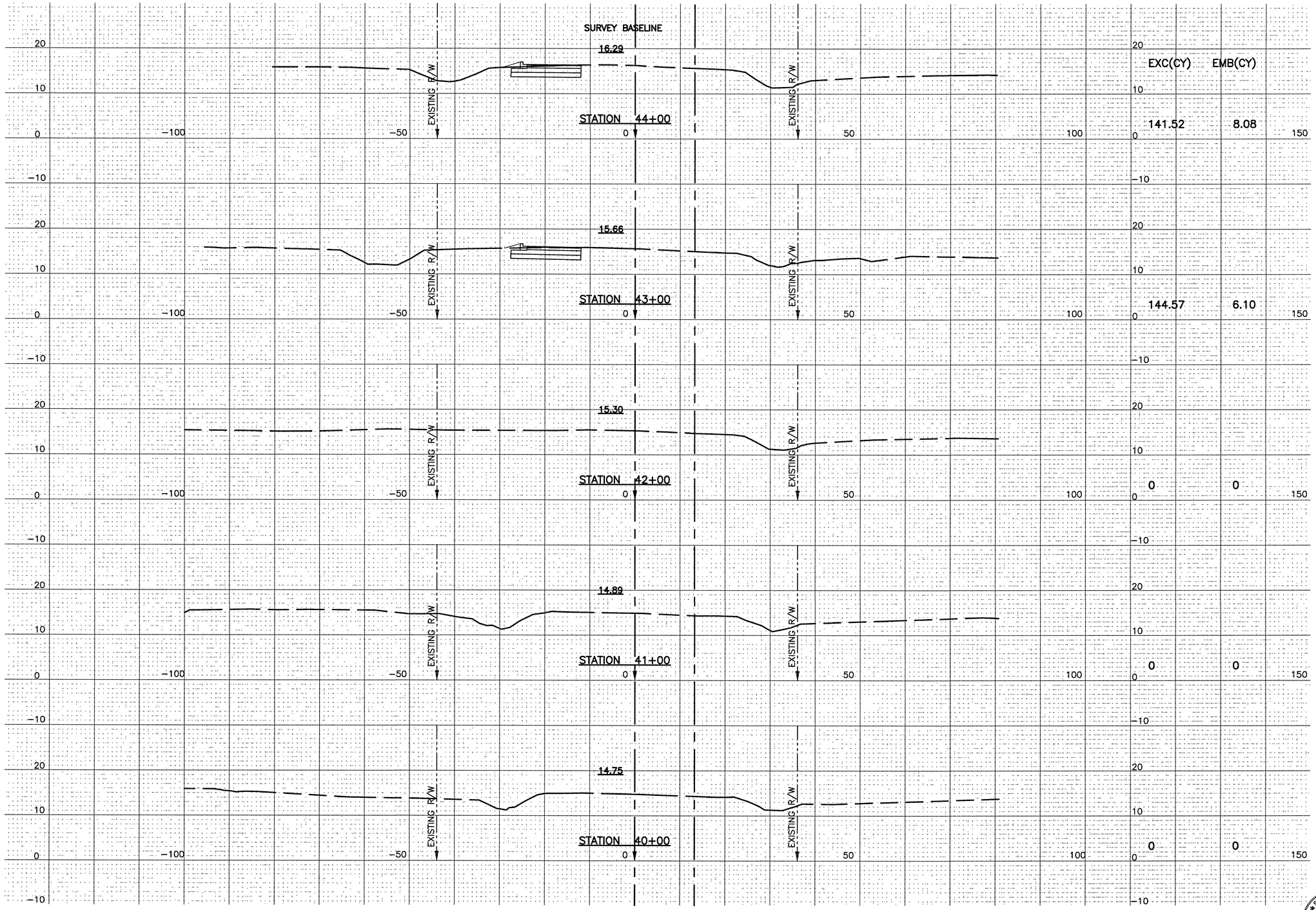
PERRIN & CARTER, INC.

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

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07/23/2025 17:22

SCALE: 1"=10'



SHEET NUMBER	408
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED	JDO
CHECKED	MAC
DETAILED	MAC
CHECKED	DFB
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS PETERS ROAD

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0036640
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

PERRIN & CARTER, INC.

07/23/2025 17:25

Drawing Path: C:\Users\cartern\OneDrive - Basin LLC\Perrin&Carter\Projects\2003\03011\REDUCED SCOPE PROJECT\CIVIL AFTER DOTD COMMENTS FEB 2023\Civil\Sheet 408-412.dwg 07.23.2025 17:25:17

SCALE: 1"=10'

SURVEY BASELINE

		EXC(CY)	EMB(CY)
16.09	STATION 48+00	326.20	5.49
16.22	STATION 47+00	243.36	115.73
16.48	STATION 46+00	178.34	108.02
16.57	STATION 45+50.44	101.83	120.85
16.65	STATION 45+00	123.53	92.61

EXISTING R/W

20 10 0 −10 | −100 −50 0 50 100 | 0 150

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 003640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

SHEET NUMBER 409

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	826-11	H.007208

DESIGNED	DETAILED	DATE
JGO	RMM	07/18/25
CHECKED	CHECKED	SHEET
MAC	JGO	

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
PETERS ROAD

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

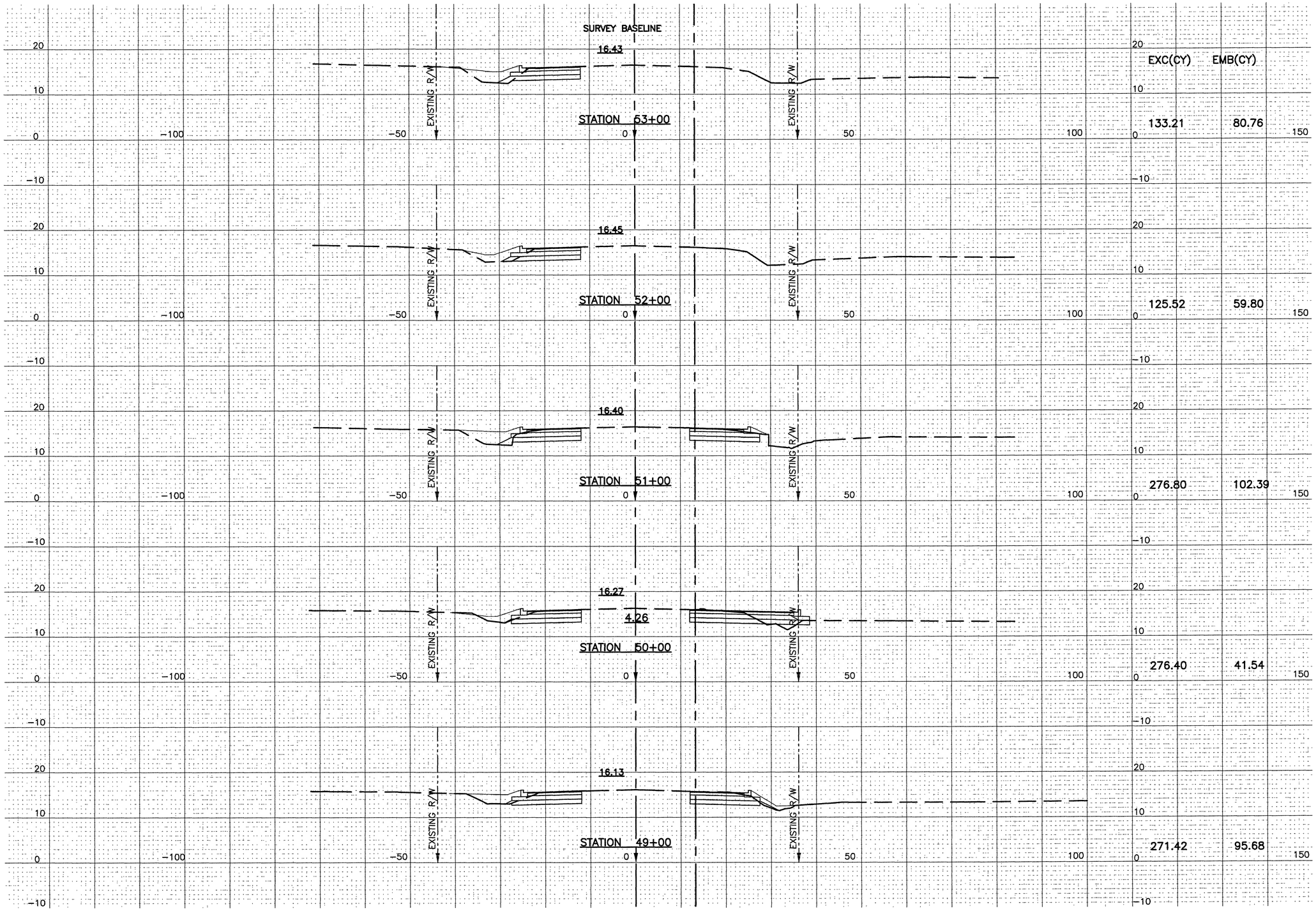
DOTD

PERRIN & CARTER, INC.

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07/23/2025 17:26

SCALE: 1"=10'



SHEET NUMBER 410

PARISH	CONTROL SECTION	STATE PROJECT
JEFFERSON	826-11	H.007208

DESIGNED / CHECKED	DETAILED / CHECKED	DATE / SHEET
JGO / MAC	RMM / JGO	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
PETERS ROAD

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

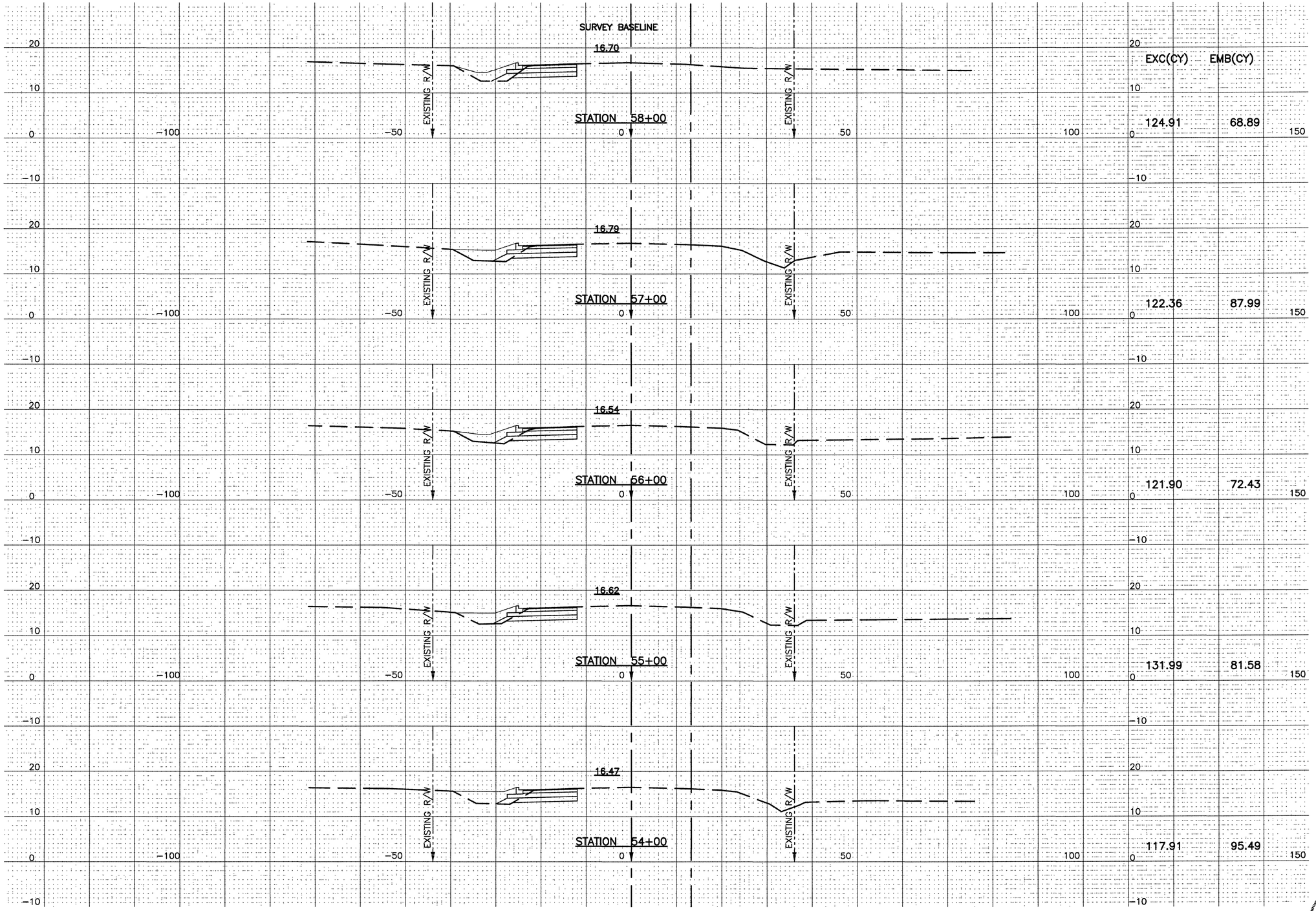
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SCALE: 1"=10'



SHEET NUMBER	411
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED / CHECKED	JCO / MAC
DETAILED / CHECKED	RMM / JCO
DATE / SHEET	07/18/25

NO.	DATE	REVISION DESCRIPTION	BY

CROSS SECTIONS
PETERS ROAD

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

DOTD
PERRIN & CARTER, INC.

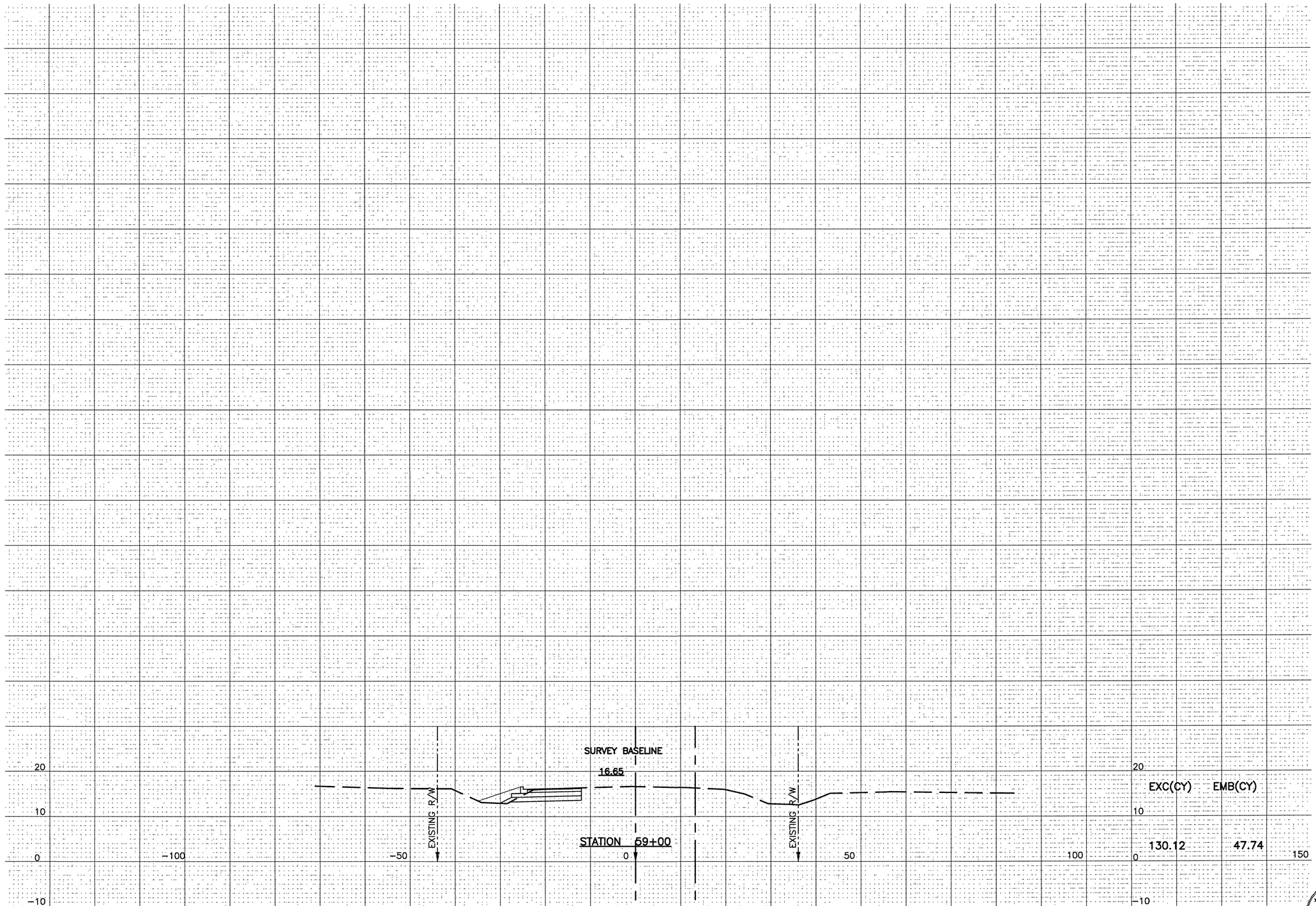
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07/23/2025 17:31

SCALE: 1"=10'



SHEET NUMBER	412
PARISH	JEFFERSON
CONTROL SECTION	826-11
STATE PROJECT	H.007208
DESIGNED	JGO
CHECKED	MAC
DETAILED	RHM
CHECKED	JGO
DATE	07/18/25
SHEET	

NO.	DATE	REVISION DESCRIPTION	BY

STATE OF LOUISIANA
07/18/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

CROSS SECTIONS PETERS ROAD

HARVEY BLVD EXT. (PETERS RD-MANHATTAN)

DOTD

PERRIN & CARTER, INC.