

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

HAM-IR 74-7.05 CITY OF HARRISON COLERAIN, HARRISON, GREEN, WHITEWATER & MIAMI TOWNSHIPS HAMILTON COUNTY

FEDERAL PROJECT NUMBER

E200321

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RESURFACING A PORTION OF I-74 IN HAMILTON COUNTY, INCLUDING MINOR BRIDGE WORK SUCH AS DECK SEALING AND EXPANSION JOINT REPAIRS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 2.2 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.1 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)*
*ROUTINE MAINTENANCE PROJECT


LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.


Douglas A. Gruver, P.E.
District 08 Deputy Director


Pamela Boratyn
Director, Department of Transportation

SEE SHEET 2

SEE SHEETS 5/6
FOR INTERCHANGES

LOCATION MAP

LATITUDE: 39°12'48" LONGITUDE: -84°40'50"

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DESIGN DESIGNATION

	HAM-74- 6.84 - 7.34	HAM-74- 7.34 - 9.33	HAM-74- 9.33 - 11.16
CURRENT ADT (2026)	69,500	79,900	55,000
DESIGN YEAR ADT (2038)	72,500	85,000	56,000
DESIGN HOURLY VOLUME (2038)	9,400	11,000	6,700
DIRECTIONAL DISTRIBUTION	61.5%	58.55	70%
TRUCKS (24 HOUR B&C)	13%	13%	12%
DESIGN SPEED	70 MPH	70 MPH	70 MPH
LEGAL SPEED	65 MPH	65 MPH	65 MPH
DESIGN FUNCTIONAL CLASSIFICATION:			
(01) URBAN INTERSTATE			
NHS PROJECT	YES		

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE REQUIRED


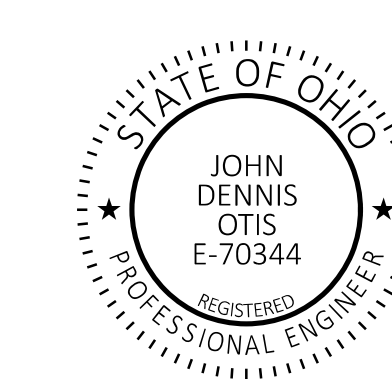
UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig


OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8 ENGINEERING
505 SOUTH SR 741 LEBANON, OHIO 45036

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS		
BP-2.1	1/21/22	MT-95.45	7/21/23	MT-103.10	7/18/25	RB-1-55	7/19/24	800-2023	7/18/25
BP-2.5	7/19/24	MT-95.50	7/21/17	MT-104.10	1/19/24	VPF-1-24	1/17/25	807	1/17/25
BP-3.1	1/19/24	MT-97.10	7/18/25	MT-105.10	1/17/20			808	7/19/24
BP-5.1	7/18/25	MT-98.10	1/17/20			DM-1.1	1/17/25	809	1/17/25
BP-9.1	1/18/19	MT-98.11	1/17/20	TC-61.30	7/19/24			814	7/15/16
RM-4.2	7/18/25	MT-98.21	7/21/23	TC-65.10	1/17/14			821	4/20/12
MGS-2.1	7/18/25	MT-98.22	1/17/20	TC-65.11	1/17/25			832	7/18/25
MGS-3.1	7/18/25	MT-98.29	1/17/20	TC-71.10	7/18/25			850	7/21/23
MGS-3.2	7/18/25	MT-98.30	7/18/25	TC-72.20	7/18/25			875	1/17/25
MGS-4.3	7/18/25	MT-99.30	1/17/20	TC-73.20	1/17/25			909	7/18/25
MGS-6.1	1/19/18	MT-101.70	7/19/24	AS-1-15	1/20/23			914	7/15/16
		MT-101.75	7/21/23	BR-1-13	1/17/14				
MT-95.30	7/18/25	MT-101.80	1/17/20	BR-2-15	7/19/24				
MT-95.31	7/18/25	MT-101.90	7/17/20	EXJ-4-87	1/19/24				
MT-95.32	7/18/25	MT-102.20	4/19/19	GSD-1-19	7/19/24				
MT-95.40	7/18/25	MT-102.30	10/16/15	PCB-91	7/17/20				

ENGINEER'S SEAL	ENGINEER'S SEAL
BRIDGE	ROADWAY
	

TITLE SHEET

DESIGN AGENCY	
DESIGNER	JD
REVIEWER	JO 9/30/25
PROJECT ID	110539
SHEET	TOTAL
01	55

HAM-IR 74-7.05

MODEL: Sheet_SurvFI_PAPER SIZE: 34x42 (in.) DATE: 3/18/2025 AM 10:33:50 AM PLTDRY: OHDOT_PDF.plt PENTBL: OHDOT_Pen.tbl USER: Maxwell.Bailey@dot.ohio.gov WORKSPACE: OHDOTCv02 WORKSET: 110539 PRODUCT: OpenRoadsDesigner 24.00.00.205 pvc:\ohdot\pvc\benley.com\ohdot\pvc\02\Documents\01 Active Projects\District 08\Hamilton\110539\400-Engineering\Roadway\Sheets\110539_GT001.dgn

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

DUKE ENERGY ELECTRIC (DISTRIBUTION)
2010 DANA AVE
CINCINNATI, OH 45207
513-508-9609 (SHANE ERHART)
SHANE.ERHART@DUKE-ENERGY.COM

DUKE ENERGY GAS
139 EAST 4TH ST., ROOM 460A
CINCINNATI, OH 45202
OH/KYHOUSEBILL@DUKE-ENERGY.COM

ALTA FIBER
221 E. 4TH ST, BLDG. 121-900
CINCINNATI, OH 45201
513-566-3154 (DERRICK BROWN)
DERRICK.BROWN@ALTA FIBER.COM

GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVENUE
CINCINNATI, OH 45232
513-352-3723 (DAN LOUIS)
DANIEL.LOUIS@GCWW.CINCINNATI-OH.GOV

CINCINNATI METROPOLITAN SEWER DISTRICT
1600 GEST STREET
CINCINNATI, OH 45204
DESIGN: 513-557-7188 (ROB FRANKLIN)
MSDUTILITYREVIEW@CINCINNATI-OH.GOV
CONSTRUCTION: 513-244-1369 (ALICE OLIVER)
ALICE.OLIVER@CINCINNATI-OH.GOV

MCI/VERIZON
8800 GOVERNOR HILL DR
CINCINNATI, OH 45249
513-839-3486 (STEPHEN HOWELL)
STEPHEN.HOWELL@VERIZON.COM

CHARTER COMMUNICATIONS
10920 KENWOOD ROAD
BLUE ASH, OHIO 45242
DL-SOUTHERN-OHIO-OUTSIDE-PLANT@CHARTER.COM
513-386-5499 (KENT RIEGER)
KENT.RIEGER@CHARTER.COM

ODOT D8 TRAFFIC
505 SOUTH SR741
LEBANON, OHIO 45036
513-933-6692 (JIM JUDD)
JIM.JUDD@DOT.OHIO.GOV

ITS (FORMERLY ARTIMIS)
ODOT CENTRAL OFFICE OF TRAFFIC ENGINEERING
1980 WEST BROAD STREET COLUMBUS, OH 43223
(614) 466-2168 (JASON M. YERAY, P.E.)
ITS LOCATE LINE: 614-387-4113
CELL: (614) 940-3991

LEVEL 3 COMMUNICATIONS
1025 ELDORADO BLVD.
BROOMFIELD, CO 80021
RELO@LEVEL3.COM

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

ASBESTOS ABATEMENT

AN ASBESTOS SURVEY FOR SFN'S 31048317 & 3108341 SCHEDULED FOR RENOVATION WORK WAS CONDUCTED ON 3/6/2026 BY A LICENSED ASBESTOS HAZARD EVALUATION SPECIALIST. THE ASBESTOS SURVEY DID NOT IDENTIFY THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS ON ANY OF THE STRUCTURES.

ELECTRONIC SUBMISSION:

THE CONTRACTOR SHALL SUBMIT ELECTRONICALLY TO OEPA A COMPLETED NOTIFICATION OF DEMOLITION & RENOVATION FORM (NDRF) AND APPLICABLE FEES ALONG WITH THE ASBESTOS SURVEY REPORT. THE COMPLETED NDRF MUST BE SUBMITTED TO OEPA AT LEAST 10 DAYS PRIOR TO ANY DEMOLITION AND RENOVATION ACTIVITY. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AN ELECTRONIC COPY OF THE NDRF (IN PDF FORM) FOR SUBMISSION TO THE DISTRICT ENVIRONMENTAL STAFF AND ONE HARD COPY TO THE PROJECT ENGINEER.

(GO TO THE OEPA EBUSINESS CENTER AND SUBMIT THE DNRF AND PAYMENT ALONG WITH THE ASBESTOS SURVEY REPORT)

HARD COPY SUBMISSION:

THE CONTRACTOR MAY ELECT TO SUBMIT A HARD COPY OF THE COMPLETED NDRF AND PAYMENT ALONG WITH THE ASBESTOS SURVEY REPORT TO THE FOLLOWING:

ASBESTOS PROGRAM OHIO EPA, DAPC P.O. BOX 1049 COLUMBUS, OHIO 43216-1049	OR	ASBESTOS PROGRAM OHIO EPA, DAPC 50 W TOWN ST, SUITE 700 COLUMBUS, OHIO 43215
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IF THE CONTRACTOR ELECTS TO SUBMIT A HARD COPY TO OEPA THEY ARE RESPONSIBLE FOR RETAINING A HARD COPY OF THE NDRF FOR SUBMISSION TO THE DISTRICT ENVIRONMENTAL STAFF AND A HARD COPY TO THE PROJECT ENGINEER.

BASIS OF PAYMENT
THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

690E71000 ASBESTOS ABATEMENT: WORK INVOLVING ASBESTOS CONTAINING MATERIALS - LUMP SUM

DEMOLITION DEBRIS

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID AND/OR LIMIT DEMOLITION DEBRIS FROM ENTERING THE STREAM OR FALLING ONTO TRAFFIC LANES. ANY MATERIAL THAT DOES FALL INTO THE STREAM OR ONTO TRAFFIC LANES SHALL BE IMMEDIATELY REMOVED AT THE CONTRACTOR'S EXPENSE. DAMAGE TO VEHICLES AS A RESULT OF FALLING DEMOLITION DEBRIS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. WHILE PAINTING OR SEALING ANY PORTION OF THE BRIDGE STRUCTURES, AN APPROPRIATE APRON WILL BE UTILIZED TO PREVENT DEBRIS, PAINT OVER SPRAY, AND SEALANTS FROM ENTERING INTO THE STREAMS OR AFFECTING VEHICULAR/PEDESTRIAN TRAFFIC AND/OR PROTECTED AREAS.

WATERWAY IMPACTS

THE CONTRACTOR SHALL NOT BE PERMITTED TO PLACE ANY TYPE OF CONSTRUCTION EQUIPMENT IN THE WATERWAY TO PERFORM ANY OF THE PROPOSED WORK. THE PROJECT THEREFORE HAS NO WATERWAY PERMIT.

NON-USE OF ASBESTOS-CONTAINING MATERIALS

THE CONTRACTOR SHALL AT NO TIME INCORPORATE ANY MATERIALS WHICH ARE COMPOSED OF OR CONTAIN ANY AMOUNT OF ASBESTOS. THE SUBSTITUTION OF MATERIALS WHICH CONTAIN ANY AMOUNTS OF ASBESTOS WILL IN NO CIRCUMSTANCES BE ACCEPTABLE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF CERTIFICATION ASSERTING THAT NO ASBESTOS CONTAINING MATERIALS WERE USED IN ANY PORTION OF THE CONSTRUCTION.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SEEDING AND MULCHING	134 SY
659, REPAIR SEEDING AND MULCHING	7 SY
659, COMMERCIAL FERTILIZER	0.02 TON
659, LIME	0.03 ACRES
659, WATER	0.7 MGAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

EXISTING PLANS

EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT OFFICE IN LEBANON, OHIO.

CLEARING AND GRUBBING, AS PER PLAN

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING.

REMOVE ANY TREES, BRUSH, OR STUMPS NOT SPECIFICALLY MARKED FOR REMOVAL AS NEEDED TO COMPLETE PROPOSED WORK IF LOCATED UNDER OR WITHIN TEN FEET OF THE HAM-74-8.57 L/R BRIDGE STRUCTURES. REMOVE ALL VINES GROWING ON THE HAM-74-8.57 L/R STRUCTURE(S). CLEARING AND GRUBBING IS NOT ANTICIPATED FOR ANY OTHER STRUCTURES ON THIS PROJECT.

ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

MAINTAINING ITS DURING CONSTRUCTION

THE CONTRACTOR SHALL MAINTAIN ALL PREEXISTING OR NEWLY INSTALLED PERMANENT ITS/TRAFFIC DEVICES AND INFRASTRUCTURE DURING CONSTRUCTION ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809.

ASPHALT PAVING

CONTRACTOR SHALL MILL THE FINISHED PAVEMENT SURFACE AS NEEDED TO ENSURE A SMOOTH TRANSITION FROM PAVEMENT TO BRIDGE. COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PAVING WORK.

SOLE SOURCE AQUIFER

THIS PROJECT IS LOCATED WITHIN THE GREAT MIAMI SOLE SOURCE AQUIFER FROM SLM 7.611 TO SLM 8.297 AND AT THE BRIDGES SFN 3107922 AND SFN 3107957. THIS PROJECT ALSO LIES WITHIN THE TAYLOR CREEK YOUTH ORG. WELL 0001-DRINKING WATER WELL 500FT BUFFER FROM SLM 7.709 TO SLM 8.231. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE WHITEWATER TOWNSHIP REGIONAL SEWER & WATER DISTRICT AT (513)-353-2838. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE WHITEWATER TWP FIRE STATION 105 AT (513)-353-2440, OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

DESIGN AGENCY



DESIGNER
CAH

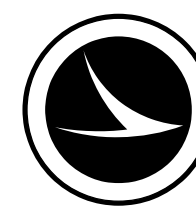
REVIEWER
JDO 9/30/25

PROJECT ID
110539

SHEET	TOTAL
03	55

SHEET NUMBER								PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	8	9	10	26	27	55A	01/IMS	02/IMS						
													ROADWAY		
LUMP								LUMP		201	11001	LS	CLEARING AND GRUBBING, AS PER PLAN	3	
	7							7		202	47000	7	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	4
	350							350		202	38000	350	FT	GUARDRAIL REMOVED	
							24	24		202	35100	24	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	55A
							2	2		202	58201	2	EACH	INLET REMOVED, AS PER PLAN	55A
	7.3							7.3		209	15851	7.3	MILE	RESHAPING UNDER GUARDRAIL, AS PER PLAN	4
								LS		503	11100	LS	COFFERDAMS AND EXCAVATION BRACING		
	350							350		606	15100	350	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
	4							4		606	35002	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
	3							3		606	35102	3	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
	126							126		609	24511	126	FT	CURB, TYPE 4-C, AS PER PLAN	4
														EROSION CONTROL	
134								134		659	10000	134	SY	SEEDING AND MULCHING	
7								7		659	14000	7	SY	REPAIR SEEDING AND MULCHING	
0.02								0.02		659	20000	0.02	TON	COMMERCIAL FERTILIZER	
0.03								0.03		659	31000	0.03	ACRE	LIME	
0.7								0.7		659	35000	0.7	MGAL	WATER	
								1,000		832	30000	1,000	EACH	EROSION CONTROL	
LUMP								LUMP		SPECIAL	69071000	LS	ASBESTOS ABATEMENT WORK INVOLVING ASBESTOS CONTAINING MATERIAL	3	
														DRAINAGE	
							16	16		605	13300	16	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
							2	2		611	98791	2	EACH	INLET, NO. 3A, AS PER PLAN	55A
							8	8		611	05900	8	FT	15" CONDUIT, TYPE B, 706.02	
							16	16		611	10400	16	FT	24" CONDUIT, TYPE B, 706.02	
							2	2		613	41200	2	CY	LOW STRENGTH MORTAR BACKFILL	
														PAVEMENT	
	917							917		253	02000	917	CY	PAVEMENT REPAIR, (A)	4
	350							350		253	02000	350	CY	PAVEMENT REPAIR, (B)	4
					279,722			279,722		254	01000	279,722	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.50")	
					10,083			10,083		254	01600	10,083	SY	PATCHING PLANED SURFACE	
	1,760							1,760		255	19001	1,760	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC RS, AS PER PLAN	4
	7,920							7,920		255	20000	7,920	FT	FULL DEPTH PAVEMENT SAWING	4
					41,422			41,422		301	56000	36	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
					6,443			6,443		407	20800	41,422	GAL	NON-TRACKING TACK COAT	
					11,646			11,646		442	00101	6,443	CY	ANTI-SEGREGATION EQUIPMENT, AS PER PLAN	4
								11,646		442	10300	11,646	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	
					507			507		617	10100	507	CY	COMPACTED AGGREGATE	
					10,278			10,278		617	20000	10,278	SY	SHOULDER PREPARATION	
					10			10		617	25000	10	MGAL	WATER	
					18.64			18.64		618	40600	18.64	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
														TRAFFIC CONTROL	
	818							818		621	00100	818	EACH	RPM	
	818							818		621	54000	818	EACH	RAISED PAVEMENT MARKER REMOVED	
							30	30		644	00500	30	FT	STOP LINE	
							3,797	3,797		644	00700	3,797	FT	TRANSVERSE/DIAGONAL LINE	
							1,551	1,551		644	00720	1,551	FT	CHEVRON MARKING	
							15	15		644	01300	15	EACH	LANE ARROW	
							2	2		644	01360	2	EACH	WRONG WAY ARROW	
							2.06	2.06		645	00118	2.06	MILE	EDGE LINE, 6", TYPE A4	
							1.22	1.22		645	00220	1.22	MILE	LANE LINE, 6", TYPE A4	
							200	200		645	00418	200	FT	CHANNELIZING LINE, 12", TYPE A4	
							76	76		646	10400	76	FT	STOP LINE	
							3	3		646	20320	3	EACH	WRONG WAY ARROW	
							17.82	17.82		807	13010	17.82	MILE	WET REFLECTIVE SPRAY THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"	
							12.3	12.3		807	13110	12.3	MILE	WET REFLECTIVE SPRAY THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"	
							2,378	2,378		807	10410	2,378	FT	WET REFLECTIVE TRAFFIC PAINT, DOTTED LINE, 6"	

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 JD
 REVIEWER
 JDO 9/30/25
 PROJECT ID
 110539
 SHEET TOTAL
 24 55

UTILITIES

THERE IS EXISTING LIGHTING RACEWAY CONDUIT IN THE BARRIER. THERE ARE NO RECORDS OF ANY EXISTING OR ABANDONED LIGHTING CABLE IN THE RACEWAY CONDUIT. IF EXISTING LIGHTING CABLES ARE ENCOUNTERED, THEY SHALL REMAIN FOR POTENTIAL FUTURE USE. THE CONTRACTOR SHALL MAINTAIN EXISTING CABLE LINES IN RACEWAY CONDUIT IN EXISTING BARRIERS DURING REMOVAL OF BARRIERS. THE RACEWAY CONDUIT SHALL BE RECONNECTED TO ADJACENT BARRIERS FOR ANY POTENTIAL FUTURE USE OF THE RACEWAY CONDUIT.

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

ITEM 202 - INLET REMOVED, AS PER PLAN

THIS WORK SHALL CONSIST OF REMOVING OF INLETS PER 202.03. EXISTING ABANDONED LIGHTING RACEWAY CONDUIT IS LOCATED IN THE EXISTING CONCRETE BARRIER. IF ANY EXISTING LIGHTING CABLES ARE PRESENT IN THE BARRIER RACEWAY CONDUIT, THE CONTRACTOR SHALL REMOVE EXISTING CABLES BETWEEN JUNCTION BOXES WITHIN THE WORK ZONE. ALL WORK ASSOCIATED WITH REMOVAL OF THE ABANDONED LIGHTING CABLES WITHIN THE CONCRETE INLET BARRIER WALL AND ENSURING EXISTING CABLES OUTSIDE THE WORK ZONE ARE NOT DAMAGED IS INCIDENTAL TO THE PAY ITEM. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 202 - INLET REMOVED, AS PER PLAN 2 EA

ITEM 611 - INLET, NO. 3A, AS PER PLAN

THE PROPOSED INLET SHALL BE INSTALLED PER CMS 611 AND PER THE INLET DESIGN PROVIDED ON SHEET 55C. IF LIGHTING CABLE IS ENCOUNTERED, THE CONTRACTOR SHALL ENSURE THE PULL WIRE #12 AWG MINIMUM ARE INSTALLED IN PLACE OF THE REMOVED LIGHTING CABLE WITHIN THE WORK ZONE PER CMS 625. ALL WORK ASSOCIATED WITH RECONNECTING THE LIGHTING CABLE IS INCIDENTAL TO THE PAY ITEM. MASONRY COLLARS PER AS PER PLAN NOTE ON THIS SHEET SHALL BE ADDED AT EACH CONNECTION BETWEEN EXISTING AND PROPOSED STORM SEWER CONDUIT.

PER THE EXISTING PLANS, THE INLET AT SLM 7.098 (STA 386+60) IS BETWEEN 6 AND 8 FT DEEP AND THE INLET AT SLM 7.341 (STA 399+57) IS BETWEEN 2 AND 4 FEET DEEP. CONTRACTOR IS TO FIELD VERIFY THE DEPTHS OF THE INLETS PRIOR TO ORDERING MATERIALS.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - INLET, NO 3A, AS PER PLAN 2 EA

ITEM 202 - PIPE REMOVED, 24" AND UNDER

DURING REMOVAL OF EXISTING INLETS PER ITEM 202, A QUANTITY OF 8' OF ITEM 202 PIPE REMOVED, 24" AND UNDER, PER CONNECTION MAY BE REQUIRED. THE EXISTING PIPE SHOULD BE REMOVED TO THE NEAREST EXISTING JOINT. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 202 - PIPE REMOVED, 24" AND UNDER 24 FT

**ITEM 611 - 15" CONDUIT, TYPE B
 ITEM 611 - 24" CONDUIT, TYPE B**

IN ORDER TO CONNECT EXISTING CONDUIT TO PROPOSED INLET, A QUANTITY OF 8' OF ITEM 611 - 15" OR 24" CONDUIT PER CONNECTION MAY BE REQUIRED. NEW CONDUIT SHOULD CONNECT TO EXISTING CONDUIT AT AN EXISTING JOINT. A MASONRY COLLAR PER AS PER PLAN NOTE ON THIS SHEET IS REQUIRED TO MAKE THE CONNECTION BETWEEN EXISTING AND PROPOSED STORM SEWER CONDUIT. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - 15" CONDUIT, TYPE B, 706.02 8 FT
 ITEM 611 - 24" CONDUIT, TYPE B, 706.02 16 FT

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ALL ITEM 611, DRAINAGE STRUCTURES.

ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 36 CY

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 12" AT A WIDTH OF 8 FEET AROUND THE PERIMETER OF EACH STRUCTURE THAT IS BEING REPLACED.

LOW STRENGTH MORTAR BACKFILL

THE FOLLOWING QUANTITY IS PROVIDED FOR FILLING OF ANY VOIDS WHILE BACKFILLING AROUND NEW INLETS UP TO 1' BELOW EXISTING SURFACE.

ITEM 613 - LOW STRENGTH MORTAR BACKFILL 2 CY

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS ENCOUNTERED DURING CONSTRUCTION.

CONNECTIONS TO NEW INLET AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 605 - 6" UNCLASSIFIED PIPE UNDERDRAINS 16 FT

MASONRY COLLAR, AS PER PLAN

WHENEVER A PROPOSED CONDUIT IS TO BE CONNECTED TO AN EXISTING CONDUIT, THE EXISTING CONDUIT SHOULD BE REMOVED TO A MANUFACTURED JOINT. THE PROPOSED CONDUIT SHOULD MATCH THE EXISTING CONDUIT MATERIAL. CONNECT THE TWO CONDUITS AT BELL AND SPIGOT JOINTS. IF THE MASONRY COLLAR IS LOCATED UNDER THE INTERSTATE, THE MASONRY COLLAR WILL BE REQUIRED TO BE REINFORCED WITH 2 X 2 W0.9 X W0.9 GALVANIZED WELDED WIRE FABRIC. CHAIRS WILL BE REQUIRED SO THAT THE FABRIC IS 3" FROM THE PIPE. THE MASONRY COLLAR WILL BE 1' THICK. THE LENGTH OF THE MASONRY COLLAR WILL BE 3' TOTAL, CENTERED ON THE JOINT BETWEEN EXISTING AND PROPOSED.

ALL COSTS ASSOCIATED WITH THE MATERIALS AND INSTALLATION OF THE MASONRY COLLAR IS INCIDENTAL TO THE COST OF THE NEW CONDUIT.

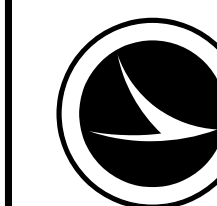
ITEM 614 MAINTAINING TRAFFIC - ESTIMATED QUANTITIES

AT INLET REPLACEMENTS LOCATED AT 7.098 AND 7.341, THE CONTRACTOR IS PERMITTED TO MAINTAIN TRAFFIC ON BOTH EASTBOUND AND WESTBOUND I-74 ACCORDING TO MT 95.45. THE REMOVAL AND SUBSEQUENT RE-INSTALLATION OF PORTABLE BARRIER FOR ACCESS TO THE WORK AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PORTABLE BARRIER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE MAINTENANCE OF TRAFFIC:

ITEM 614 - WORK ZONE IMPACT ATTENUATOR 4 EA
 ITEM 614 - BARRIER REFLECTOR, TYPE 1, ONE WAY 16 EA
 ITEM 614 - OBJECT MARKER, ONE-WAY 16 EA
 ITEM 622 - PORTABLE BARRIER, UNANCHORED 672 FT

DESIGN AGENCY

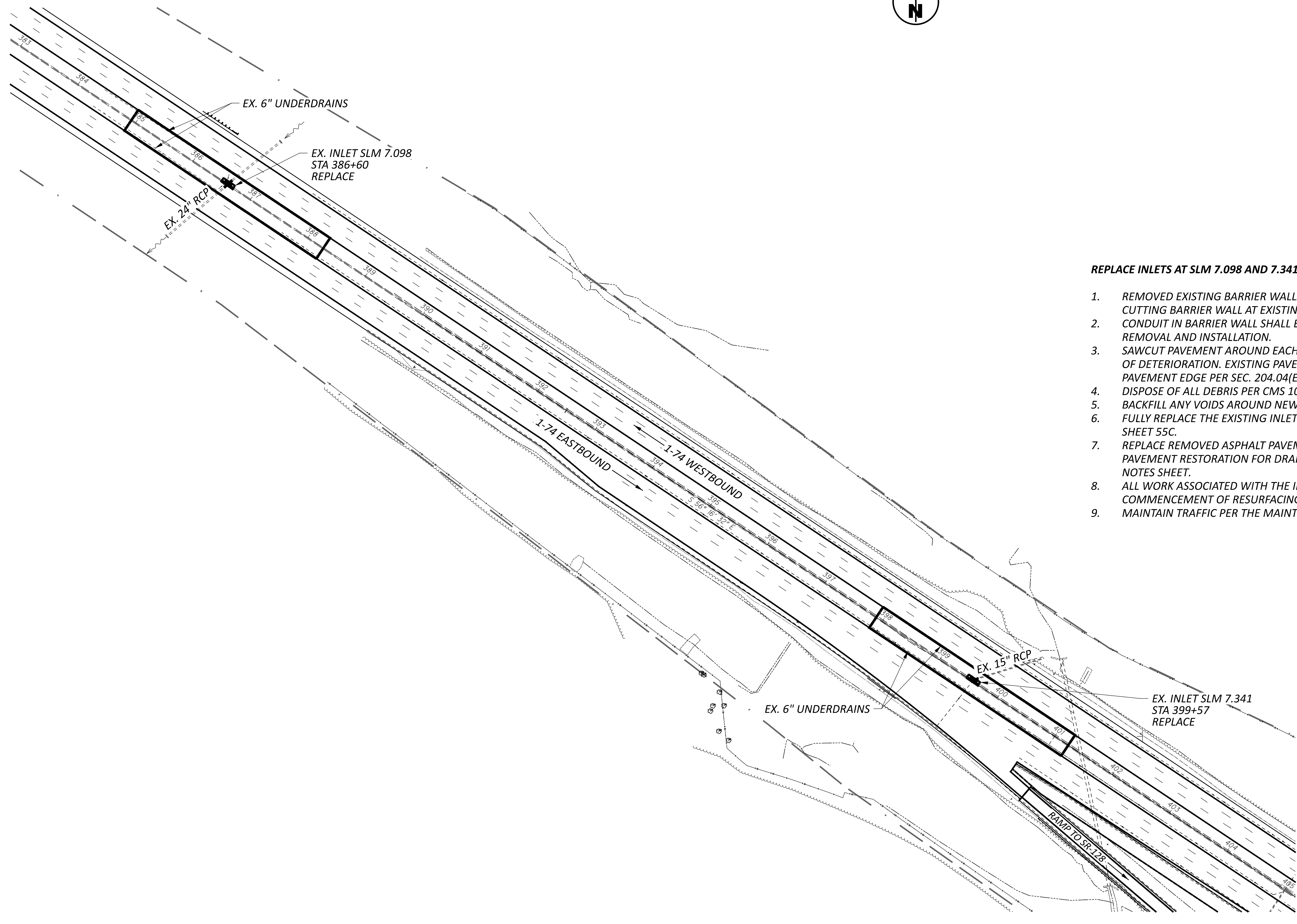
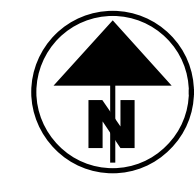


DESIGNER
 MLB

REVIEWER
 MLB 03-17-26

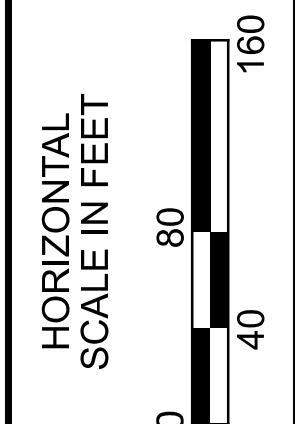
PROJECT ID
 110539

SHEET TOTAL
 P.55A 55



REPLACE INLETS AT SLM 7.098 AND 7.341 BY PERFORMING THE FOLLOWING WORK:

1. REMOVED EXISTING BARRIER WALLS ADJACENT TO EACH INLET IN NEED OF REPLACEMENT BY SAW CUTTING BARRIER WALL AT EXISTING EXPANSION JOINT.
2. CONDUIT IN BARRIER WALL SHALL BE SALVAGED FOR REUSE OR REPLACED DURING BARRIER REMOVAL AND INSTALLATION.
3. SAWCUT PAVEMENT AROUND EACH SINKHOLE LOCATION A MINIMUM OF 2 FEET BEYOND LIMITS OF DETERIORATION. EXISTING PAVEMENT EDGES SHALL BE SAWCUT TO LOCATE A SOUND PAVEMENT EDGE PER SEC. 204.04(E) OF THE CMS.
4. DISPOSE OF ALL DEBRIS PER CMS 105.16 AND 105.17.
5. BACKFILL ANY VOIDS AROUND NEW INLET WITH LSM UP TO 1' BELOW SURFACE.
6. FULLY REPLACE THE EXISTING INLET STRUCTURES PER STANDARD CONSTRUCTION DRAWING ON SHEET 55C.
7. REPLACE REMOVED ASPHALT PAVEMENT WITH FULL DEPTH ASPHALT PAVEMENT PER THE PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATION NOTE ON THE DRAINAGE NOTES SHEET.
8. ALL WORK ASSOCIATED WITH THE INLET REPLACEMENT SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF RESURFACING ON THIS PORTION OF I-74.
9. MAINTAIN TRAFFIC PER THE MAINTENANCE OF TRAFFIC NOTES IN THESE PLANS.



INLET REPLACEMENT PLAN

DESIGN AGENCY



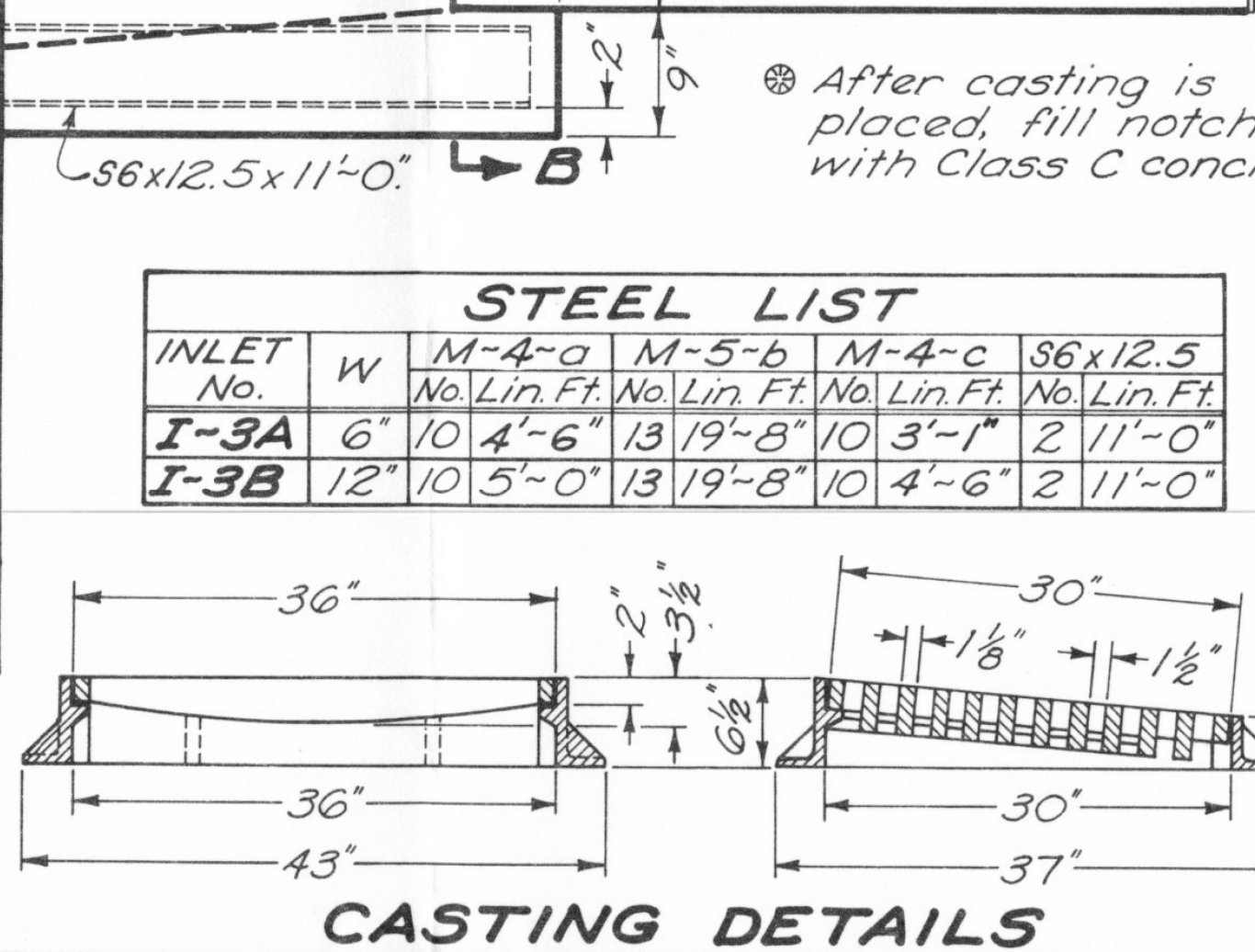
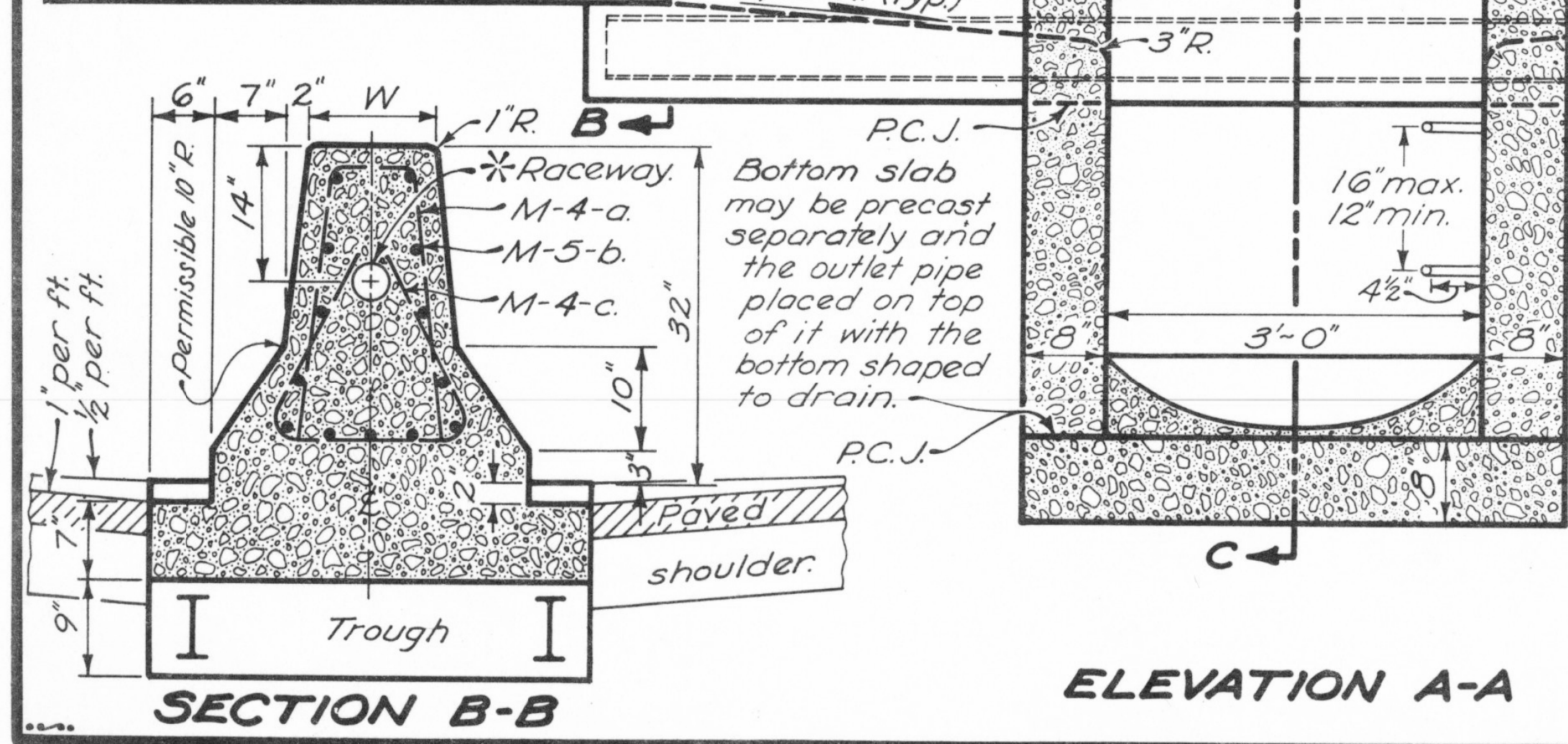
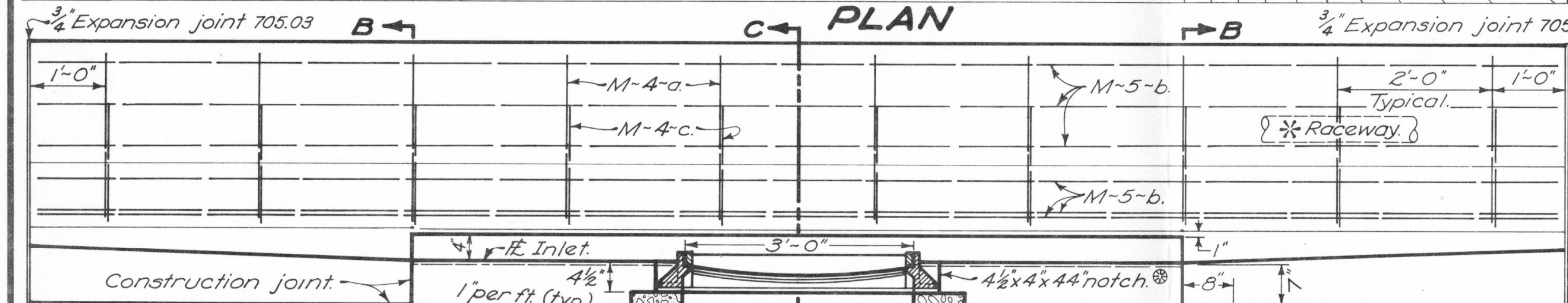
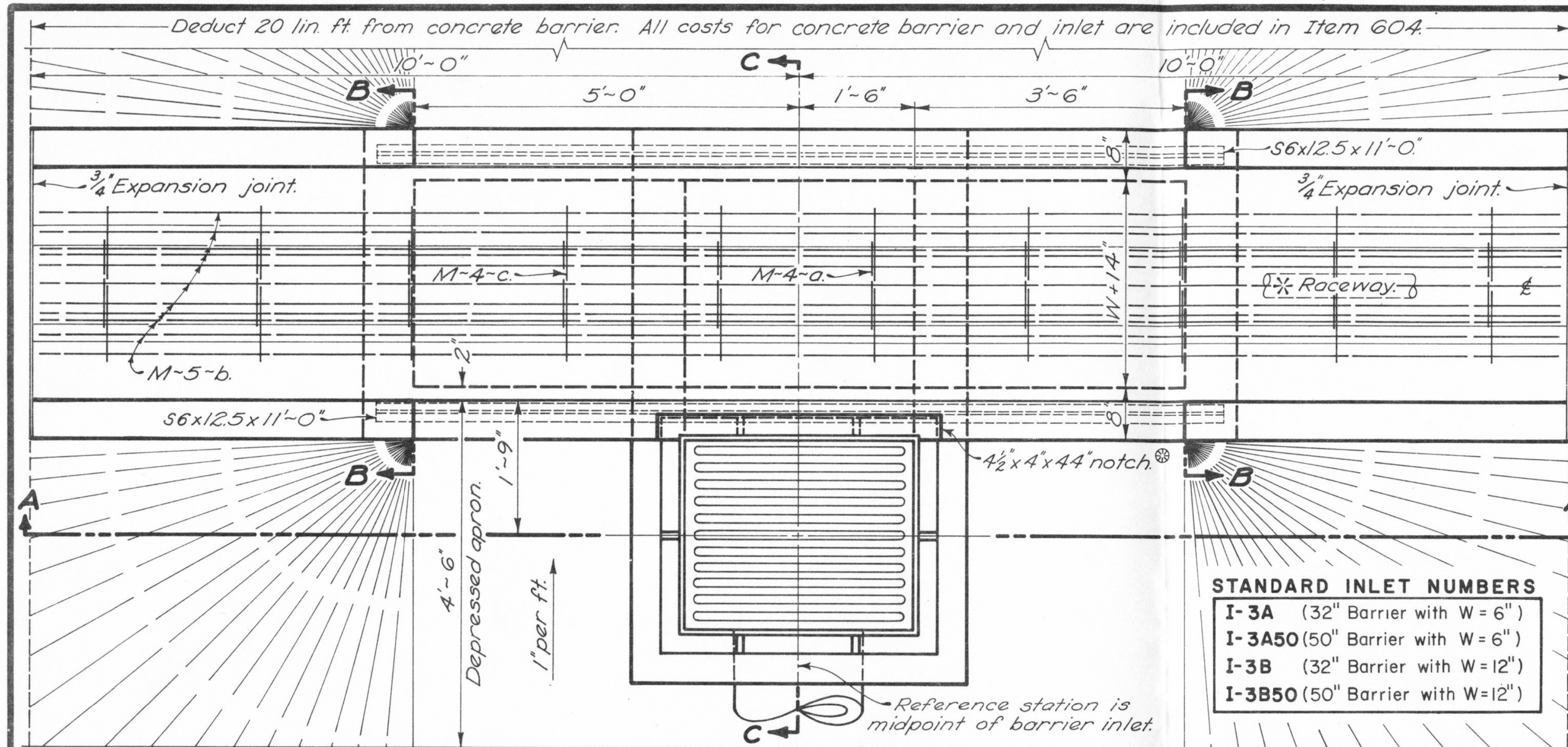
DESIGNER
MLB

REVIEWER
MLB

PROJECT ID
03-17-26

SHEET TOTAL
110539

SHEET TOTAL
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STANDARD INLET NUMBERS

- I-3A (32" Barrier with W=6")
- I-3A50 (50" Barrier with W=6")
- I-3B (32" Barrier with W=12")
- I-3B50 (50" Barrier with W=12")

STEEL LIST

INLET No.	W	M-4-a No. Lin. Ft.	M-5-b No. Lin. Ft.	M-4-c No. Lin. Ft.	56x12.5 No. Lin. Ft.
I-3A	6"	10 4'-6"	13 19'-8"	10 3'-1"	2 11'-0"
I-3B	12"	10 5'-0"	13 19'-8"	10 4'-6"	2 11'-0"

THE WALLS between the bottom slab and the upper permissible construction joint may be built of brick, concrete block or cast-in-place concrete, 8" nominal thickness for depths of 12' or less. Precast walls shall have a minimum thickness of 6" and be reinforced sufficiently to permit shipping and handling without damage. The unit above the upper permissible construction joint may be precast or cast-in-place. **HEIGHT:** When placed in 50" high barrier the 32" height shall be made 50" per details on MC-9. **CONCRETE,** cast-in-place, to be Class C. All precast concrete shall meet the requirements of 706.13 with 6 ± 2% air void content in the hardened concrete. Required markings shall include the inlet number.

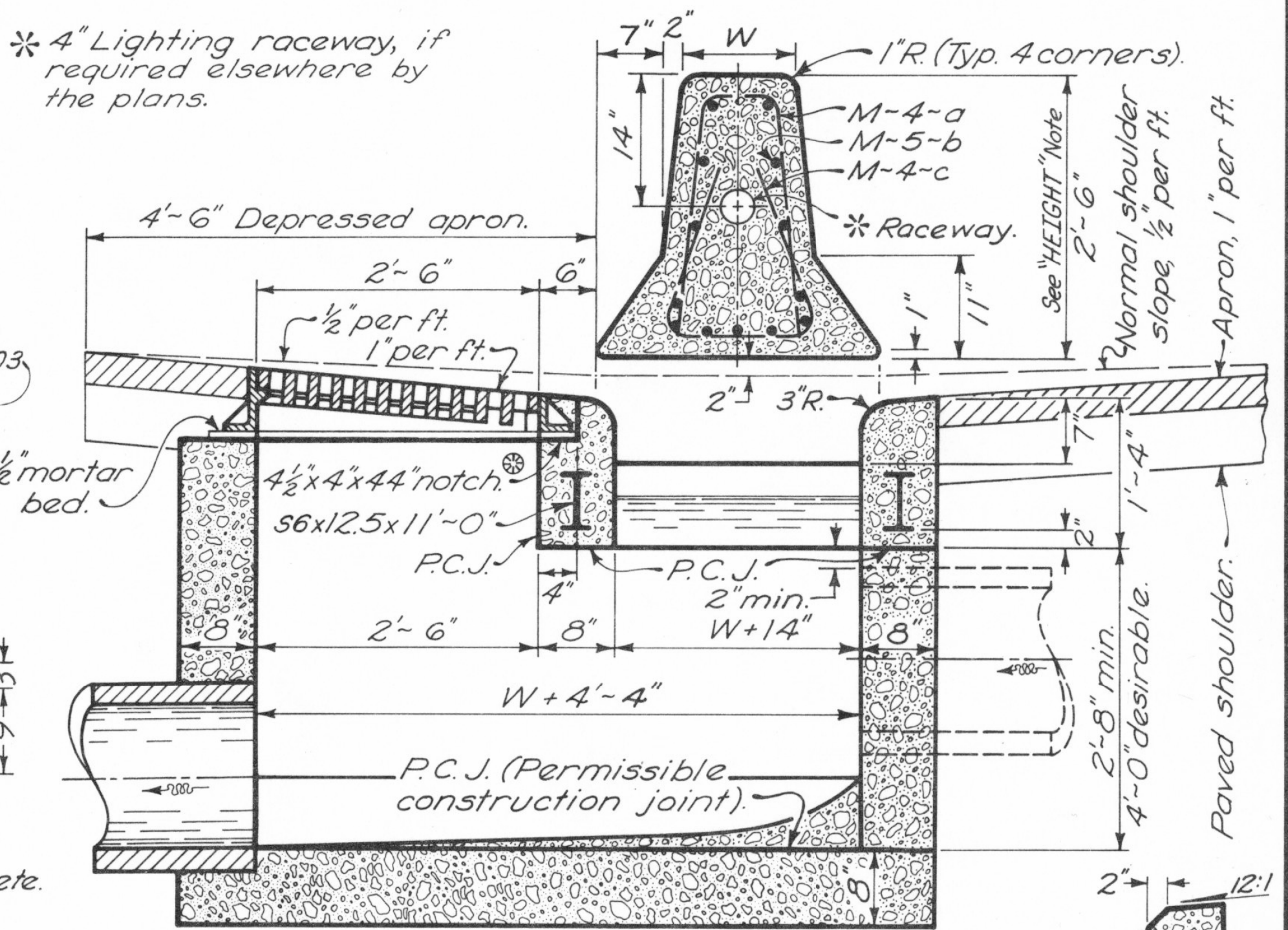
STEPS shall be in accordance with Standard Drawing MH-1. Minimum weight of frame and cover shall be 540 pounds.

GRATE LOCATION: In superelevated curves or at other locations where there is unequal discharge from the directional roadways, the inlet grating shall be located in the roadway which discharges the major flow.

INLETS OVER 12 FEET IN DEPTH shall be precast or cast-in-place concrete; reinforced with No. 4 bars on 12" centers both vertically and horizontally with 2" clearance from inside wall face.

OPENINGS for pipes shall be O.D.+2" when prefabricated or field cut.

* 4" Lighting raceway, if required elsewhere by the plans.



SECTION C-C

ALTERNATE SPILLWAY SHAPE

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF TRANSPORTATION

BARRIER
MEDIAN INLETS

STANDARD CONSTRUCTION DRAWING I-3A & B

APPROVED *M. J. Cunningham* ENGR., L. & D.

DATE: 1-20-70, 11-1-77, 5-1-79, 4-1-80