

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. * RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	1
ILLINOIS			CONTRACT NO. 62X74	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

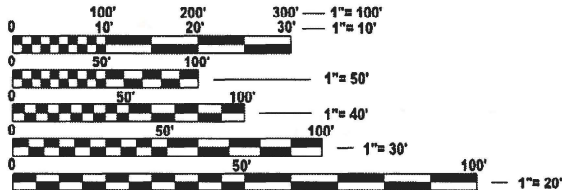
PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES AT VARIOUS LOCATIONS
SECTION: (066-1617-15D) BR 24

DECK DRAIN REPAIRS/EXTENSIONS
COOK COUNTY

C-91-085-25

FOR LOCATION MAPS
SEE SHEETS 5-7



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: JEAN ALAIN MIDY (847) 221-3056

CONTRACT NO. 62X74

D-91-065-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 17th 2025
REGIONAL ENGINEER
May 9 2025
ENGINEER OF DESIGN AND ENVIRONMENT
May 9 2025
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1.	COVER SHEET	000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2.	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
3.	SUMMARY OF QUANTITIES	701011-04	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
4.	SCHEDULE OF QUANTITIES	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
5-7	LOCATION MAPS	701106-02	OFF-RD OPERATIONS, MULTI LANE, MORE THAN 15' AWAY
8-9	LOC 1: DRAINAGE SYSTEM REPAIR (SN: 016-0142)	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
10-11	LOC 2: DRAINAGE SYSTEM REPAIR (SN: 016-0189)	701311-03	LANE CLOSURE, 2L, 2W, MOVEING OPERATIONS-DAY ONLY
12-13	LOC 3: DRAINAGE SYSTEM REPAIR (SN: 016-0398)	701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
14-16	LOC 4: DRAINAGE SYSTEM REPAIR (SN: 016-0516)	701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
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20-24	LOC 6: DRAINAGE SYSTEM REPAIR (SN: 016-0777)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS < 40 MPH
25-27	LOC 7: DRAINAGE SYSTEM REPAIR (SN: 016-0989)	701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
28-30	LOC 8: DRAINAGE SYSTEM REPAIR (SN: 016-0994)	701446-11	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
31-32	LOC 9: DRAINAGE SYSTEM REPAIR (SN: 016-1142)	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
33-34	LOC 10: DRAINAGE SYSTEM REPAIR (SN: 016-1143)	701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
35-36	LOC 11: DRAINAGE SYSTEM REPAIR (SN: 016-1144)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
37-39	LOC 12: DRAINAGE SYSTEM REPAIR (SN: 016-1145)	701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
40-41	LOC 13: DRAINAGE SYSTEM REPAIR (SN: 016-1146)	701901-10	TRAFFIC CONTOL DEVICES
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46-48	LOC 16: DRAINAGE SYSTEM REPAIR (SN: 016-2030)		
49-50	LOC 17: DRAINAGE SYSTEM REPAIR (SN: 016-2036)		
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54-56	LOC 19: DRAINAGE SYSTEM REPAIR (SN: 016-2850)		
57	ENTRANCE RAMP AND CLOSURE (TC-08)		
58	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)		
59	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)		
60	TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)		

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF CHICAGO & BLUE ISLAND AND VILLAGE OF HILLSIDE AND COOK COUNTY.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGHTS.
6. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
7. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE BRIDGE INSPECTORS.
8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

GENERAL BRIDGE NOTES

1. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY OR THE RAILROAD BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 (OR 107.12) OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCT ION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.
3. STRUCTURE SHEETS "GENERAL PLAN AND ELEVATION", "DRAINAGE PLAN" AND "DRAINAGE PLAN AND DETAILS" CREATED FROM ORIGINAL AS- BUILT DRAWINGS. THESE ARE PROVIDED FOR GENERAL REFERENCE TO STRUCTURE NUMBER, SPAN NUMBER AND LENGTH, ETC, WORK ITEMS FOR THIS CONTRACT ARE IDENTIFIED ON THE PLAN AND DETAIL SHEETS THAT FOLLOW.
4. THE LOCATIONS SHOWN AS REQUIRING DRAINAGE REPAIRS IDENTIFY THE GENERAL DEFICIENCY AND PROVIDE AN ESTIMATED LENGTH OF NEW PIPE REQUIRED. THE DRAINAGE SYSTEM IS SHOWN SCHEMATI CALLY. IT SHALL BE THE CONTRACT ORS RESPONSIBILITY TO VERIFY THE LOCATIONS, DIMENSIONS AND DETAILS PRIOR TO ORDERING THE MATERIAL. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
5. THE CONTRACTOR SHALL PROVIDE ALL PIPING, BRACKE TS, HANGERS. FITTINGS, HARDWARE, CLAMPS AND OTHER ACCESSORIES REQUIRED TO RETURN THE EXISTING DRAINAGE SYSTEM TO A FULLY FUNCTIONAL LEAK FREE SYSTEM. SEE SPECIAL PROVISIONS.
6. WHEN EXISTING DRAIN PIPES ARE WRAPPED WITH TAPE, THE TAPE SHALL BE REMOVED IF PIPE IS BROKEN OR MISSING CONNECTION. THE PIPE SHALL BE REPLACED OR OTHERWISE NEW TAPE SHALL BE PROVIDED. THE TYPE OF THE TAPE SHALL BE APPROVED BY THE ENGINEER. THE COST SHALL BE INCLUDED IN "BRIDGE DRAINAGE SYSTEM REPAIRS" AND THE LENGTH MEASURED SHALL BE LENGTH OF THE PIPE REPLACED OR THE LENGTH OF PIPE RE-TAPED.
7. THE CONTRACTOR SHALL WRAP ANY JOINTS THAT ARE LEAKING AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCLUDED IN "BRIDGE DRAINAGE SYSTEM REPAIRS".

GENERAL NOTES CONTINUE ON NEXT SHEET

	USER NAME = naveed.hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES VARIOUS AT VARIOUS BRIDGE DRAINAGE SYSTEM REPAIRS	F.A.* RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.					
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -					(066-1617-15D) BR 24	COOK	60	2
	PLOT DATE = 3/28/2025	DATE -	REVISED -					CONTRACT NO. 62X74			
						SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

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MODEL: SQ002 [Sheet]
FILE NAME: c:\p\work\p\work\hassan\1065265D\06525-shi-SQ0.dgn

		ITEM NUMBER	70102620	70102625	70102635	70102640	70200100	X5230146	X5230152	X7011015
LOCATION NUMBER	LOCATION	STRUCTURE NUMBER	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	NIGHTTIME WORK ZONE LIGHTING	BRIDGE DRAINAGE SYSTEM REPAIR	CLEANING DRAINAGE SYSTEM	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)
			L SUM	L SUM	L SUM	L SUM	L SUM	FOOT	L SUM	L SUM
1	N.S. RAILROAD OVER I-90/94	016-0142	0	0	0	0	0.05	6	0.05	0.05
2	69th ST. OVER I-90/94	016-0189	0	0	0	0	0.05	8	0.05	0.05
3	39th ST. OVER I-90/94	016-0398	0	0	0	0	0.06	10	0.05	0.06
4	METRA RR OVER I-90	016-0516	0	0	0	0	0.06	36	0.05	0.06
5	UP & METRA RR OVER I-90	016-0517	0	0	0	0	0.06	42	0.05	0.06
6	WESTERN AVE. OVER CAL SAG CHANNEL & RR	016-0777	0	1	0.5	0.5	0	85	0.05	0
7	W. 111th ST. OVER I-57	016-0989	0	0	0	0	0.06	24	0.05	0.06
8	139th ST. OVER CSX & IHB RR	016-0994	1	0	0.5	0.5	0	8	0.05	0
9	87th ST. OVER I-90/94	016-1142	0	0	0	0	0.06	4	0.05	0.06
10	83rd ST. OVER I-90/94	016-1143	0	0	0	0	0.06	14	0.05	0.06
11	79th ST. OVER I-90/94	016-1144	0	0	0	0	0.06	8	0.05	0.06
12	75th ST. OVER I-90/94	016-1145	0	0	0	0	0.06	6	0.05	0.06
13	71st ST. OVER I-90/94	016-1146	0	0	0	0	0.06	8	0.05	0.06
14	57th ST. OVER I-90/94	016-1151	0	0	0	0	0.06	18	0.05	0.06
15	35th ST. OVER I-90/94	016-1160	0	0	0	0	0.06	28	0.06	0.06
16	S. GENOA AVE. OVER I-57	016-2030	0	0	0	0	0.06	8	0.06	0.06
17	S. HALSTED ST. OVER I-57	016-2036	0	0	0	0	0.06	4	0.06	0.06
18	US-12/20/45 (MANNHEIM RD.) OVER I-290	016-2760	0	0	0	0	0.06	18	0.06	0.06
19	76th ST. OVER I-90/94	016-2850	0	0	0	0	0.06	54	0.06	0.06
TOTAL			1.0	1.0	1.0	1.0	1.0	389.0	1.0	1.0

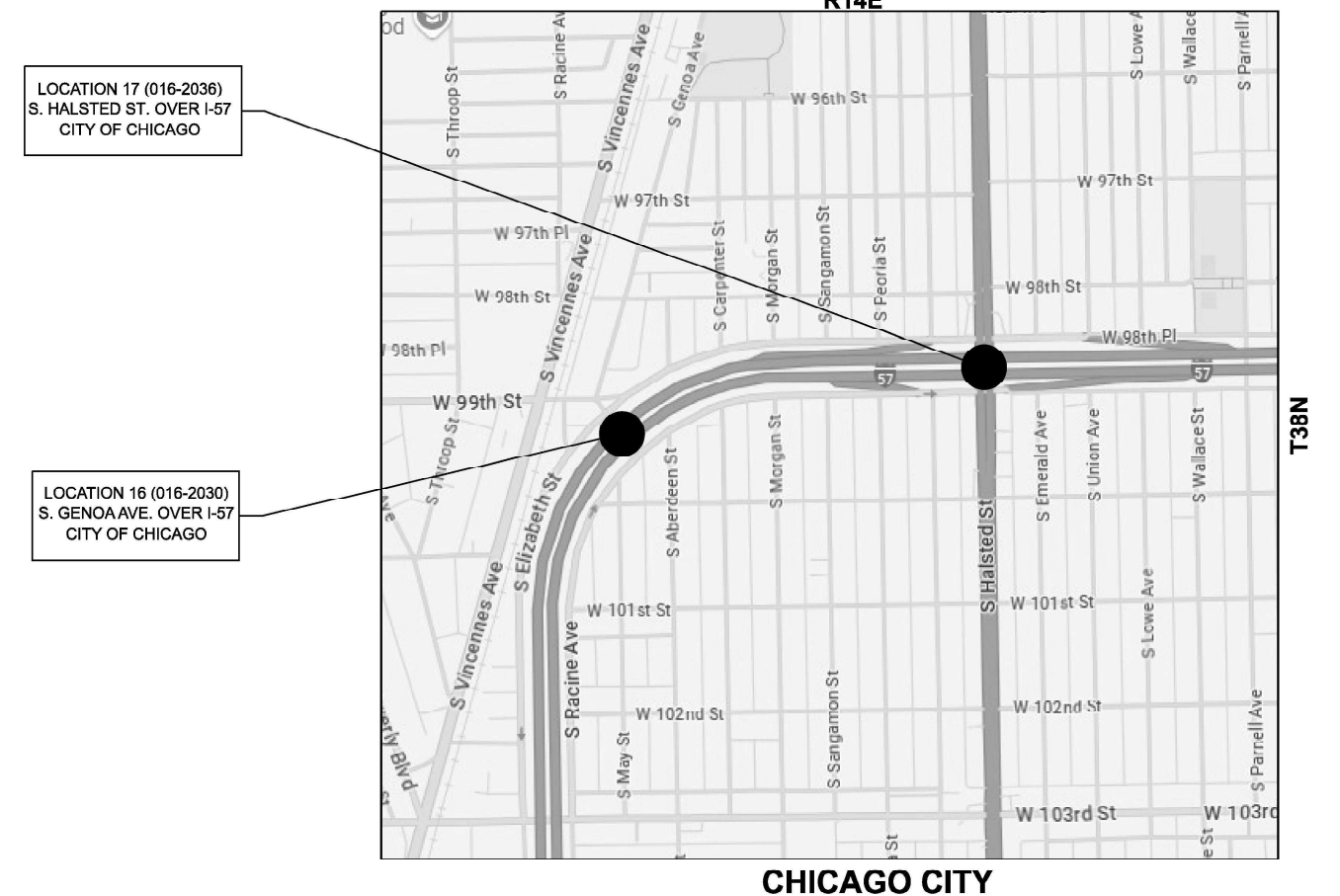
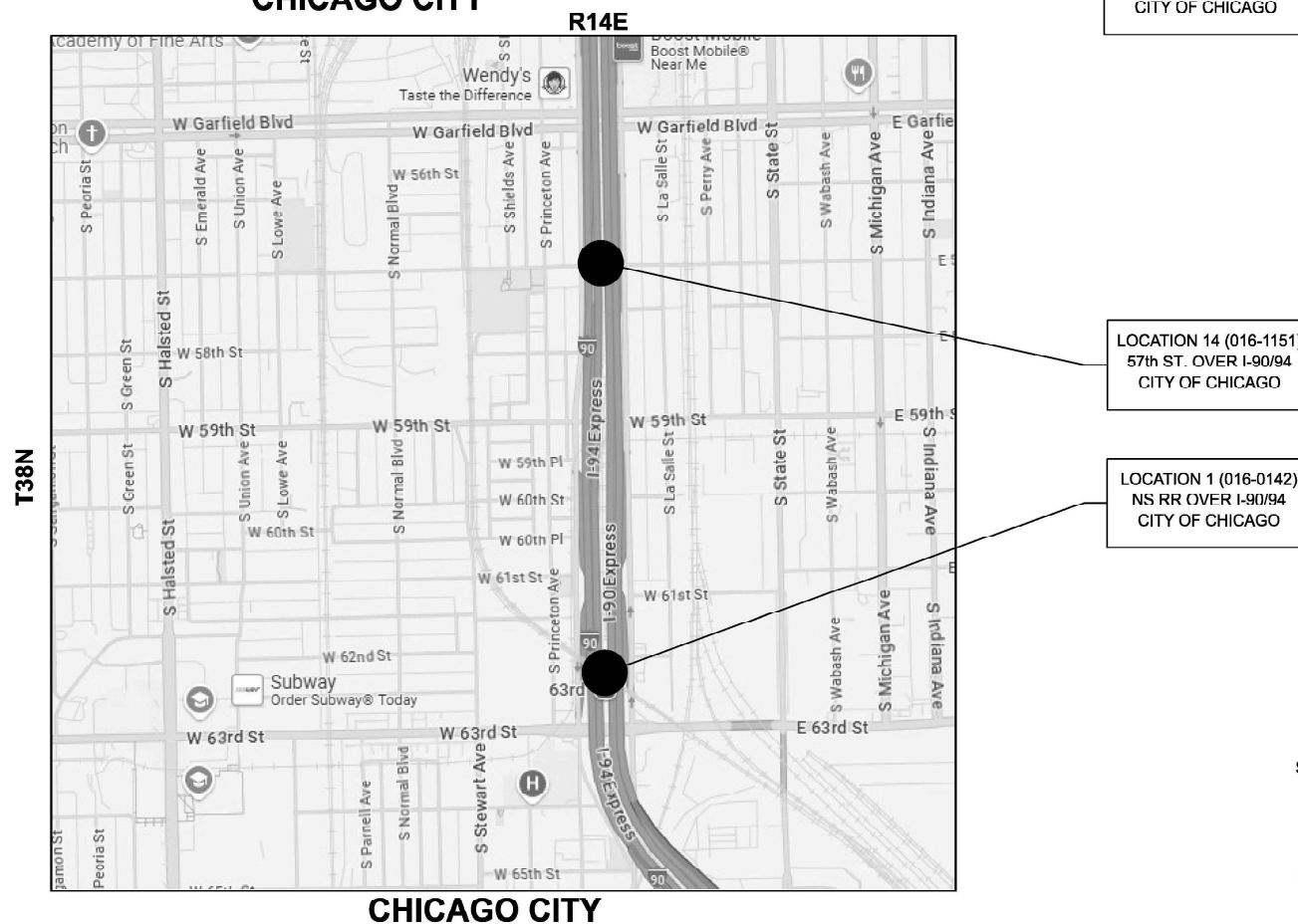
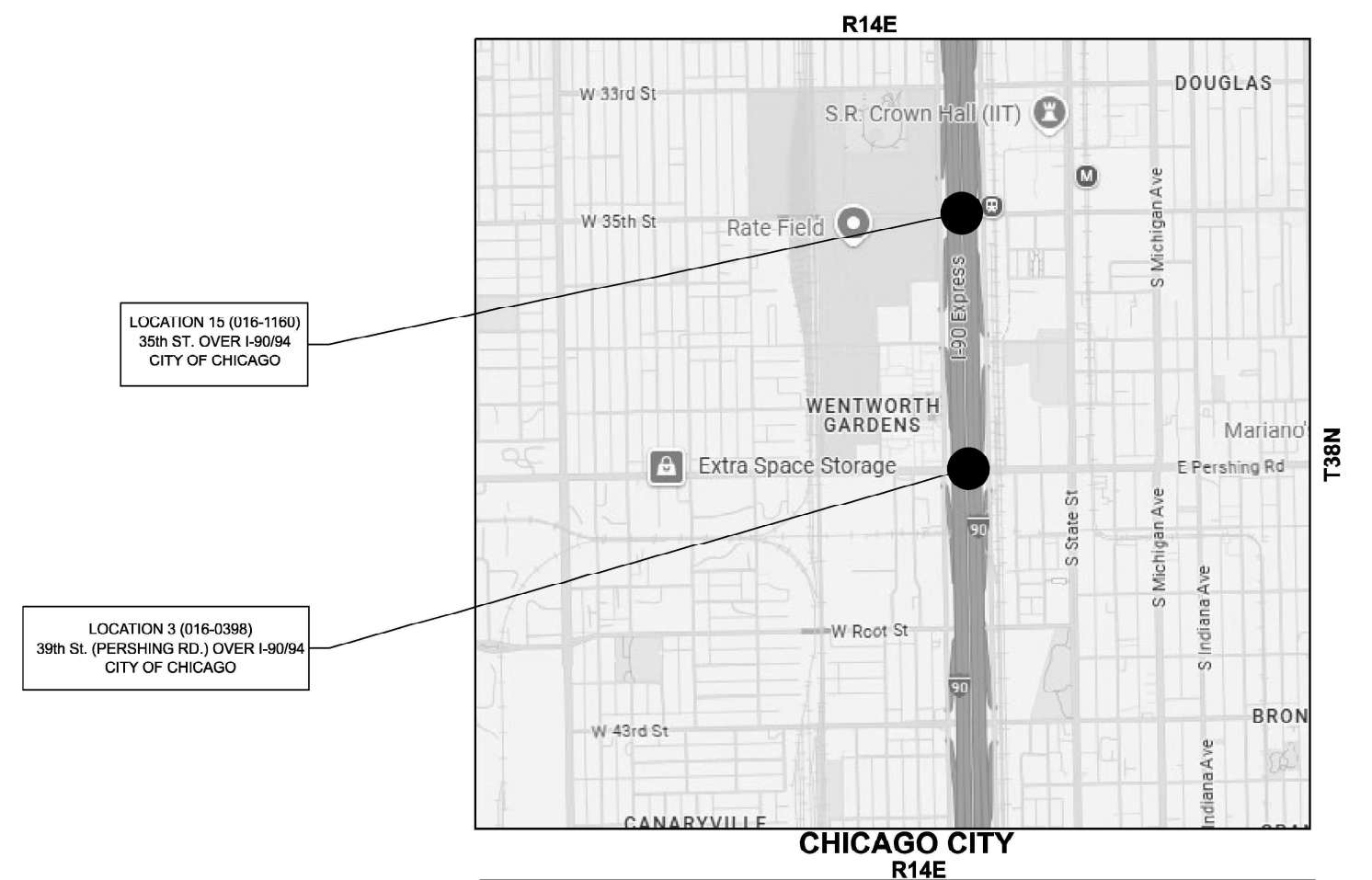
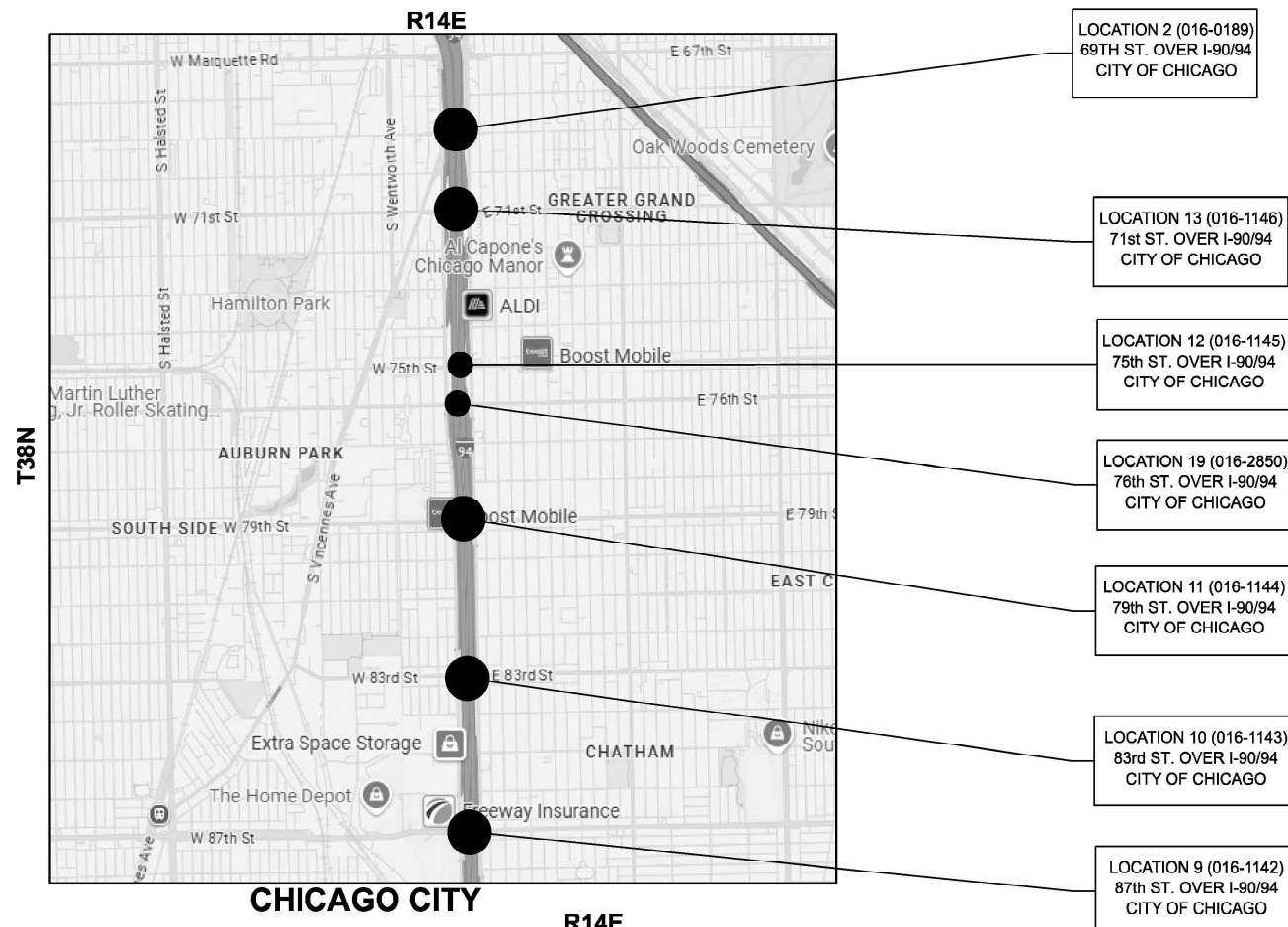
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
VARIOUS AT VARIOUS BRIDGE DRAINAGE SYSTEM REPAIRS

SCALE: SHEET OF 1 SHEETS STA. TO STA.

F.A. * RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	4
		CONTRACT NO. 62X74		
		ILLINOIS FED. AID PROJECT		



TRAFFIC DATA

LOCATION 1-3, 9-15
I-90/94
SPEED LIMIT = 55 MPH
2023 ADT = 246,400

LOCATION 7, 16, & 17
I-57
SPEED LIMIT = 55 MPH
2023 ADT = 140,600

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	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

VARIOUS AT VARIOUS BRIDGE DRAINAGE SYSTEM REPAIRS

SCALE:	SHEET 1	OF 3	SHEETS	STA.	TO STA.
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F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	5
		CONTRACT NO. 62X74		
		ILLINOIS	FED. AID PROJECT	

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LOCATION 18 (016-2760)
US-12/20/45 (MANNHEIM RD.) OVER I-290
VILLAGE OF HILLSIDE



LOCATION 4 (016-0516)
METRA RR OVER I-90
LOCATION 5 (016-0517)
UP & METRA RR OVER I-90
CITY OF CHICAGO

PROVISO TOWNSHIP

CHICAGO CITY

TRAFFIC DATA

LOCATION 4
I-90
SPEED LIMIT = 55 MPH
2023 ADT = 138300

LOCATION 18
I-290
SPEED LIMIT = 55 MPH
2023 ADT = 133500

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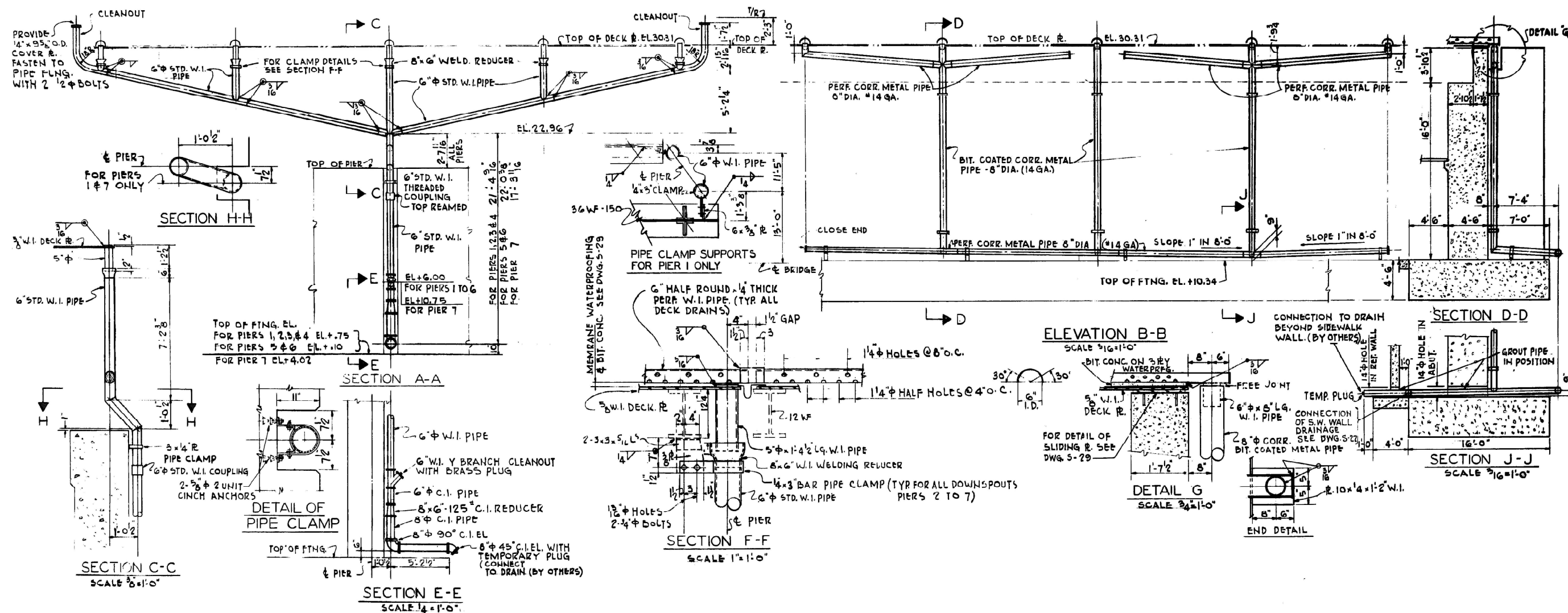
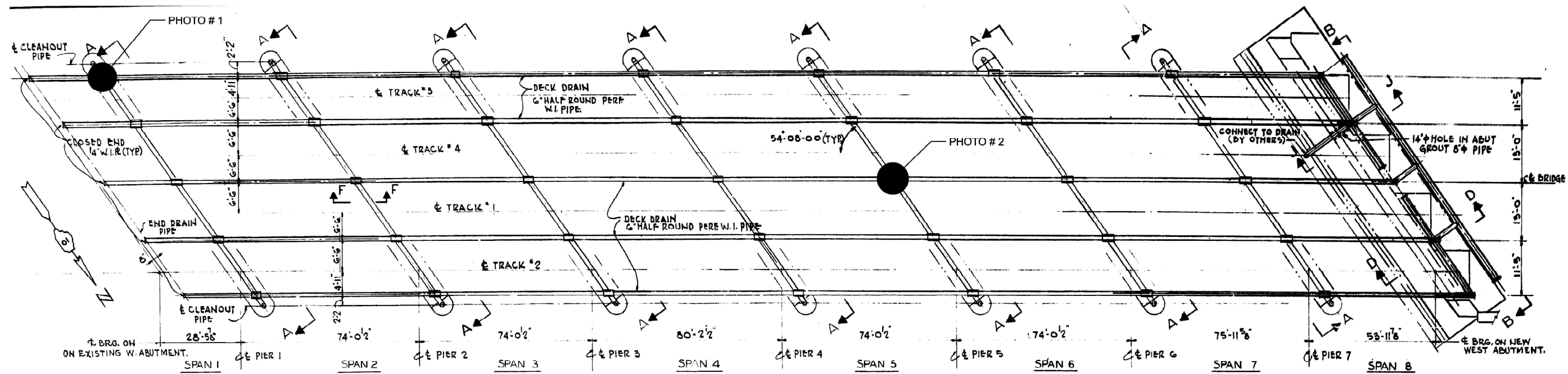
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PLOT DATE	= 3/27/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS
VARIOUS AT VARIOUS BRIDGE DRAINAGE SYSTEM REPAIRS

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	7
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



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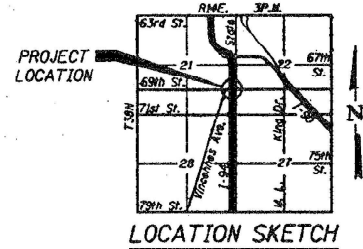
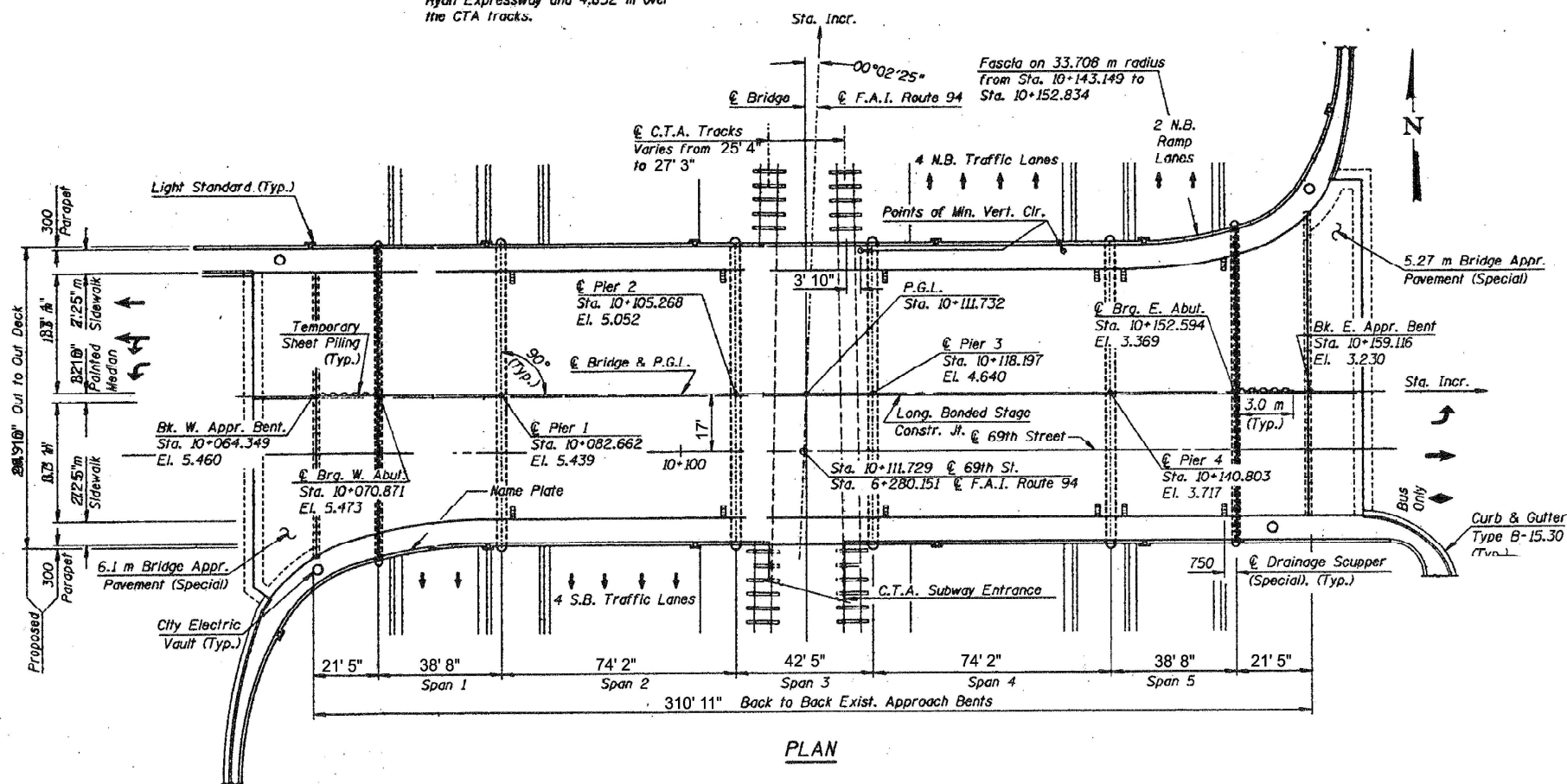
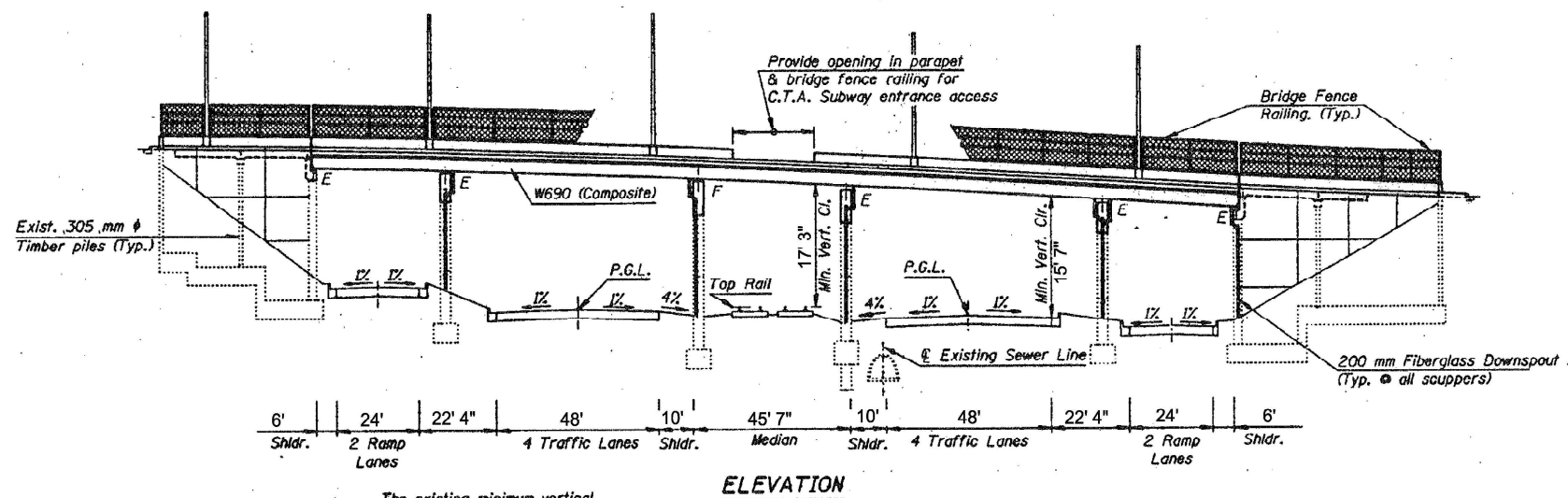
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 1 (SN 016-0142)
DRAINAGE DETAILS

SCALE: SHEET 2 OF 49 SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	9
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



016-0189 PHOTO #1
PIER 4 SOUTH NOSE
REPLACE SHORT SECTION ABOVE BARRIER WALL, 4 FEET

TOTAL BILL OF MATERIAL (SN 016-0189)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	8
CLEANING DRAINAGE SYSTEM	L SUM	0.05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 2 (SN 016-0189)
PLAN AND ELEVATION

SCALE: SHEET 3 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	10
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

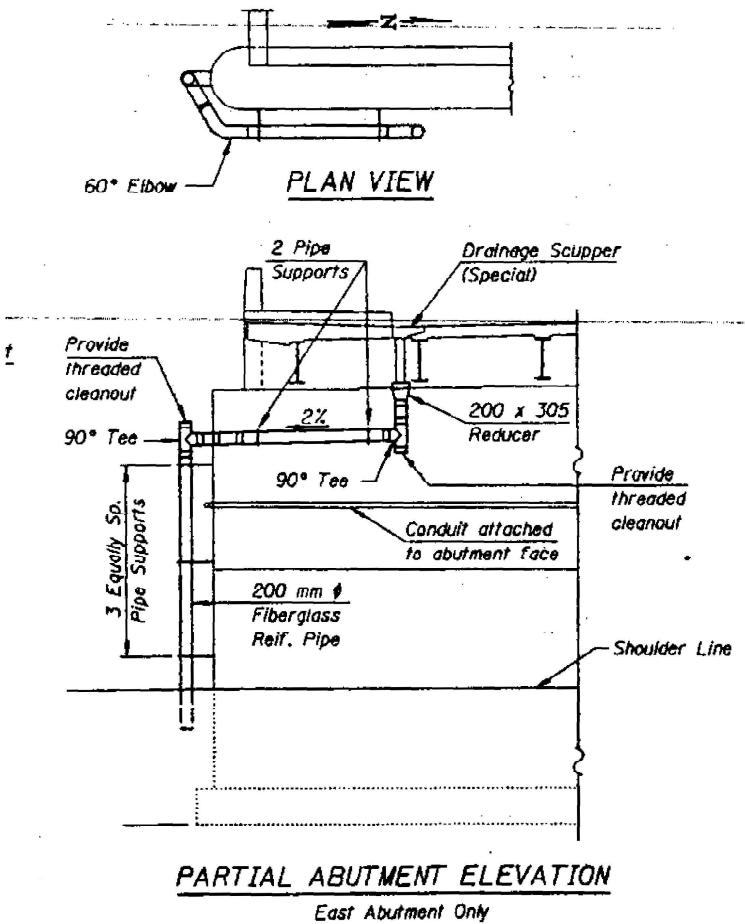
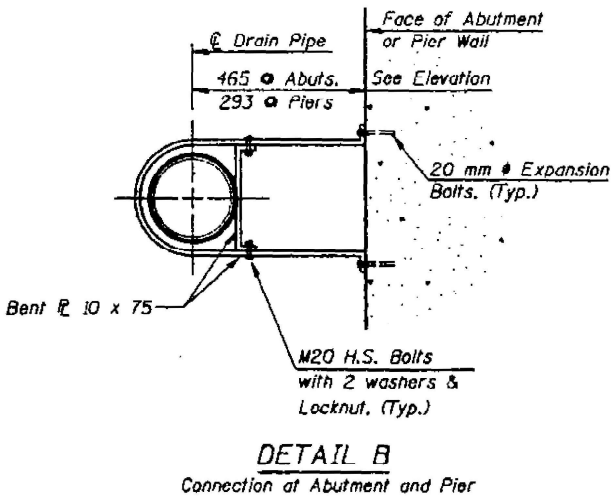
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	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -



016-0189 PHOTO #2
EAST ABUTMENT DRAINAGE
REPLACE 60 DEGREE ELBOW, 2 FEET



016-0189 PHOTO #3
EAST ABUTMENT DRAINAGE
REPLACE PIPE SUPPORT CONNECTION AND RAISE
THE FLARED END PIPE WHERE EXTENSION EXTENDS INTO
FLARED PIPE TO ALLOW PROPER DRAINAGE, 2 FEET



REPAIR IS LOCATED AT THE SOUTH END

016-0189 East abt drainage.

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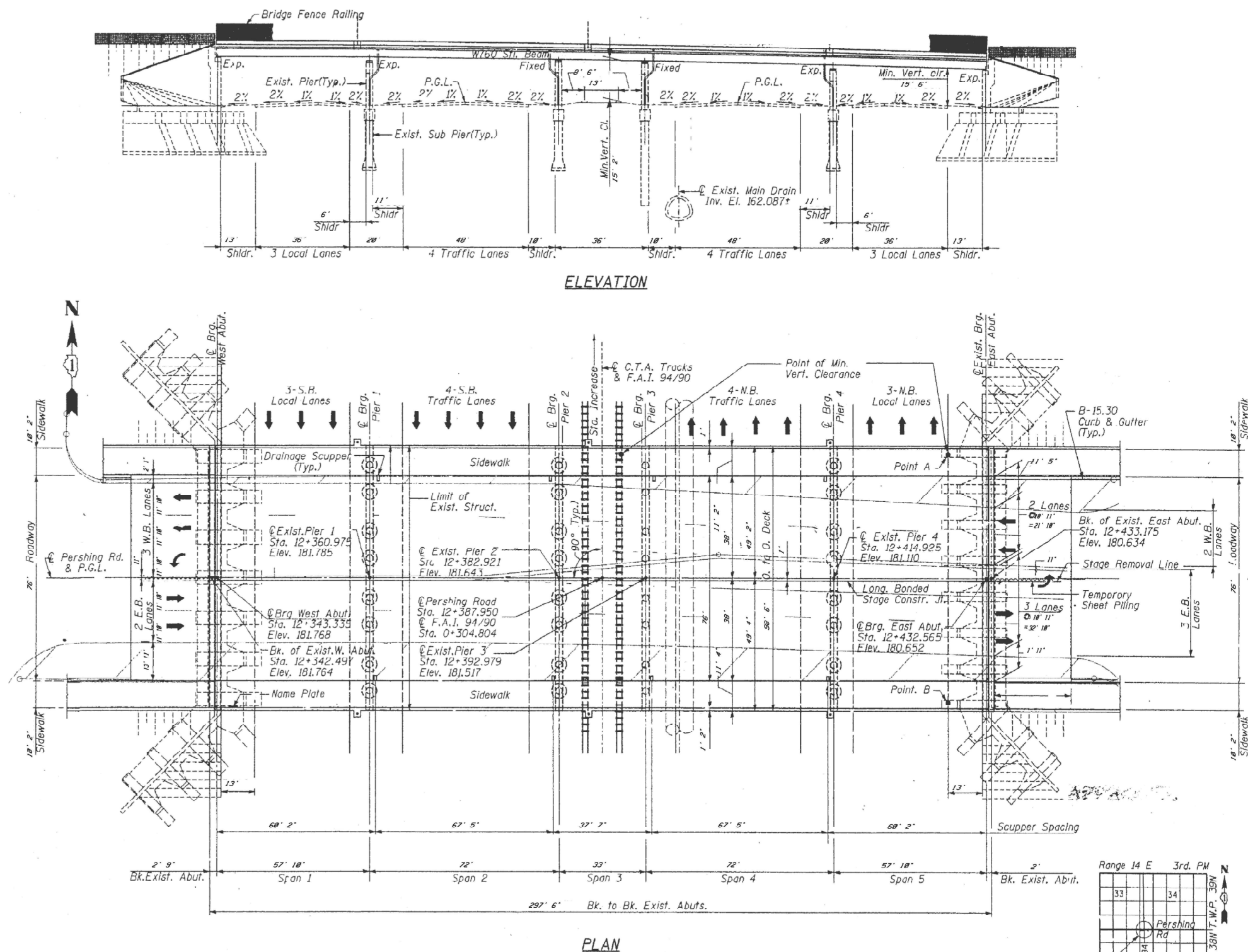
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PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 2 (SN 016-0189) DRAINAGE DETAILS			
SCALE:	SHEET 4	OF 49 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	11
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

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TOTAL BILL OF MATERIAL (SN 016-0398)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	10
CLEANING DRAINAGE SYSTEM	L SUM	0.05

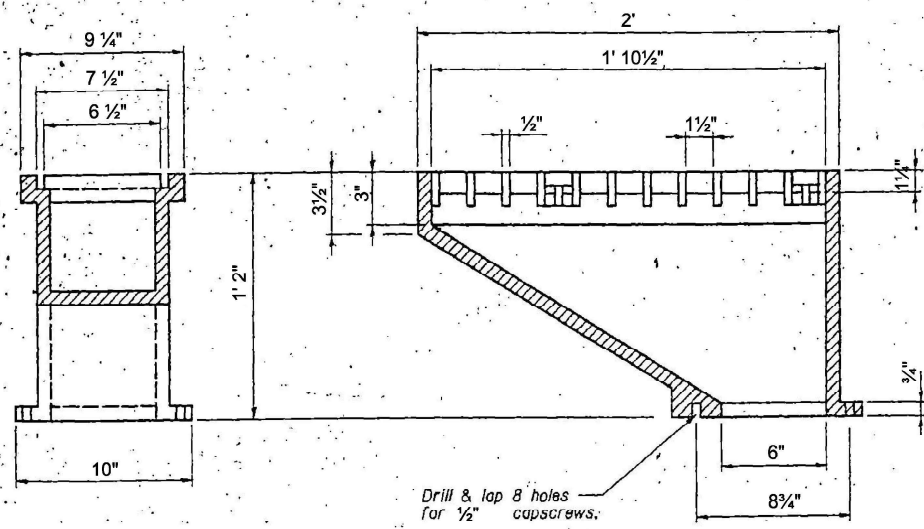
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PLOT DATE = 2/19/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

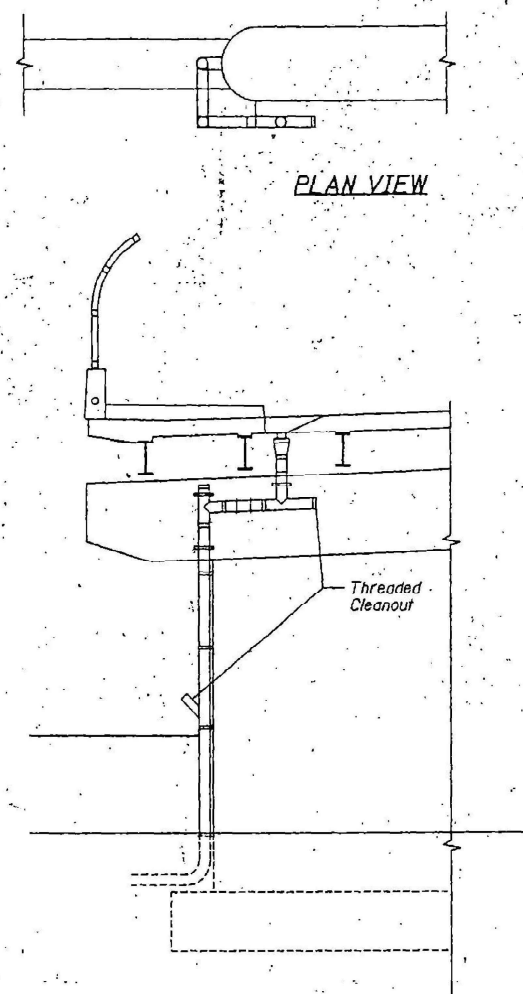
LOCATION NO. 3 (SN 016-0398)
PLAN AND ELEVATION

SCALE: SHEET OF SHEETS STA. TO STA.

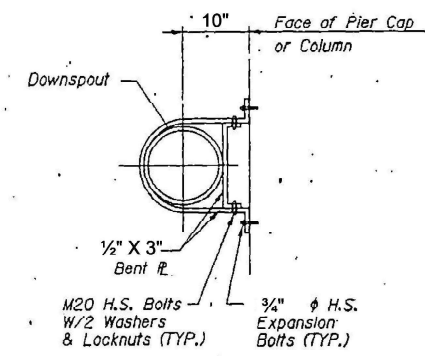
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VAR.	(066-1617-15D) BR 24	COOK	60	12
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



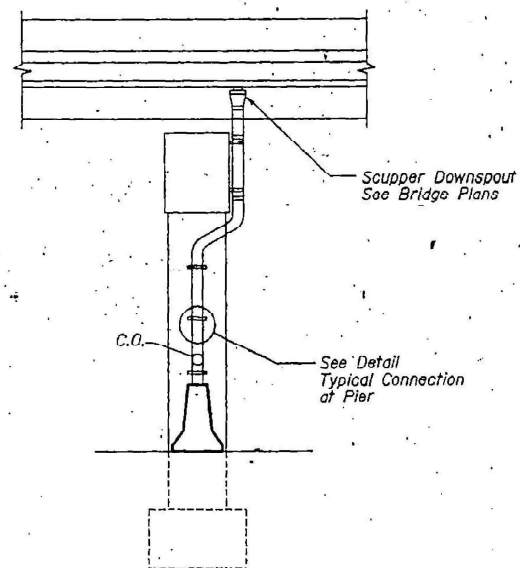
DRAINAGE SCUPPER DS-12



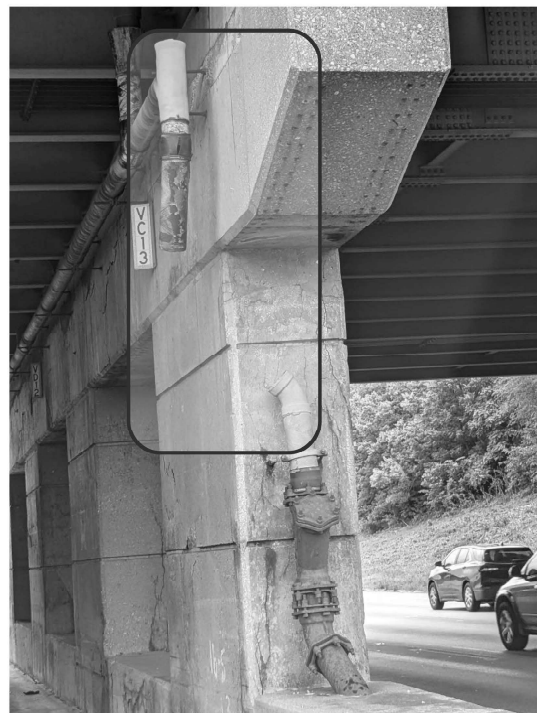
PARTIAL PIER DETAIL



DETAIL
TYPICAL PIPE SUPPORT
CONNECTION AT PIER



END VIEW



016-0398 PHOTO #1
PIER 1 NORTH NOSE

REPLACE CONNECTION FROM LONGITUDINAL PIPE TO DOWNSPOUT, 10 FEET

MODEL: Location 3 Sheet 2 (Sheet)
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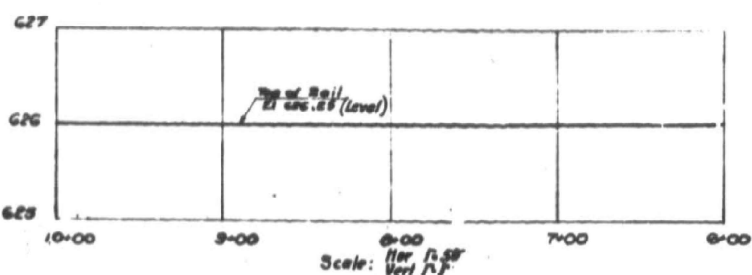
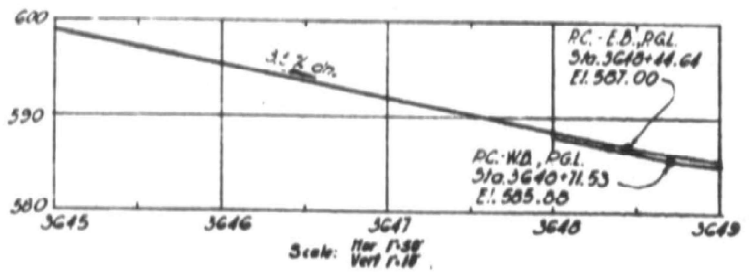
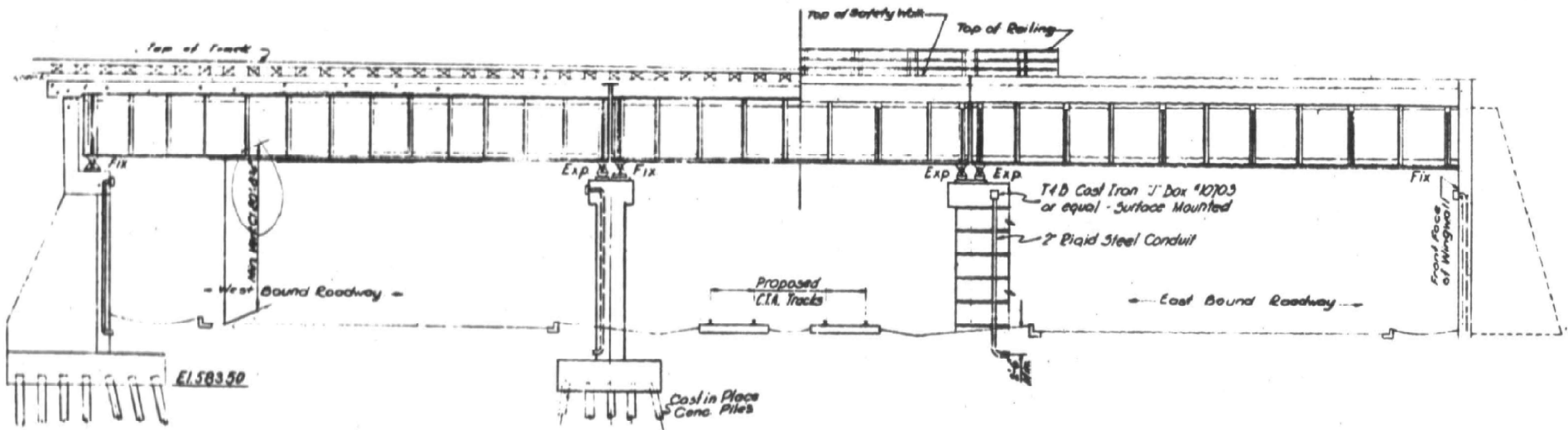
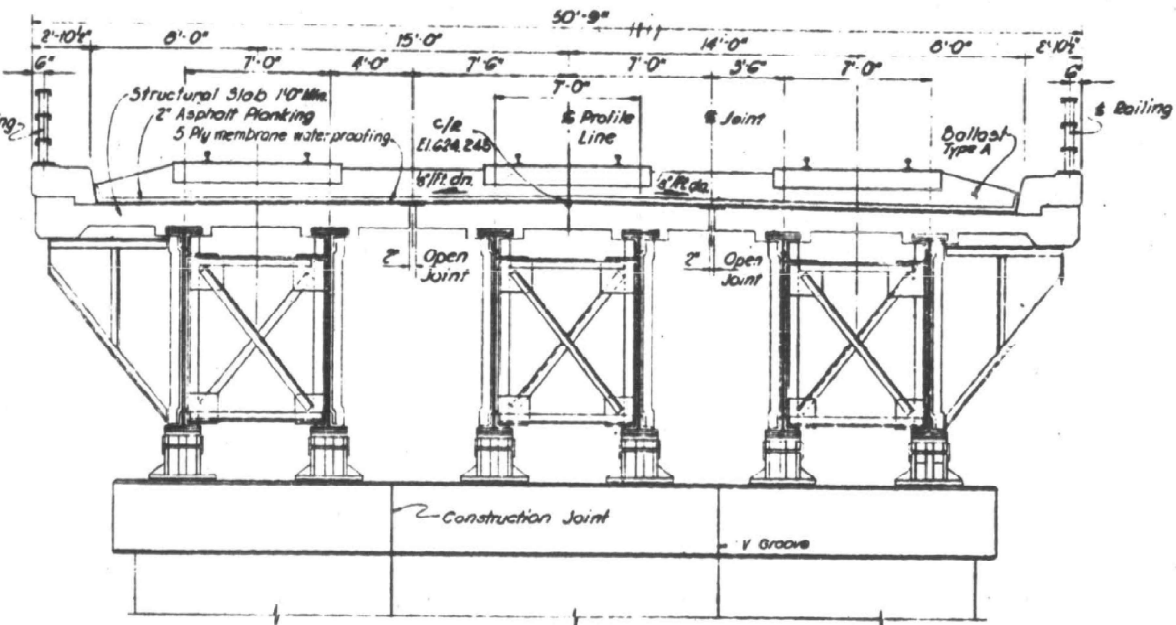
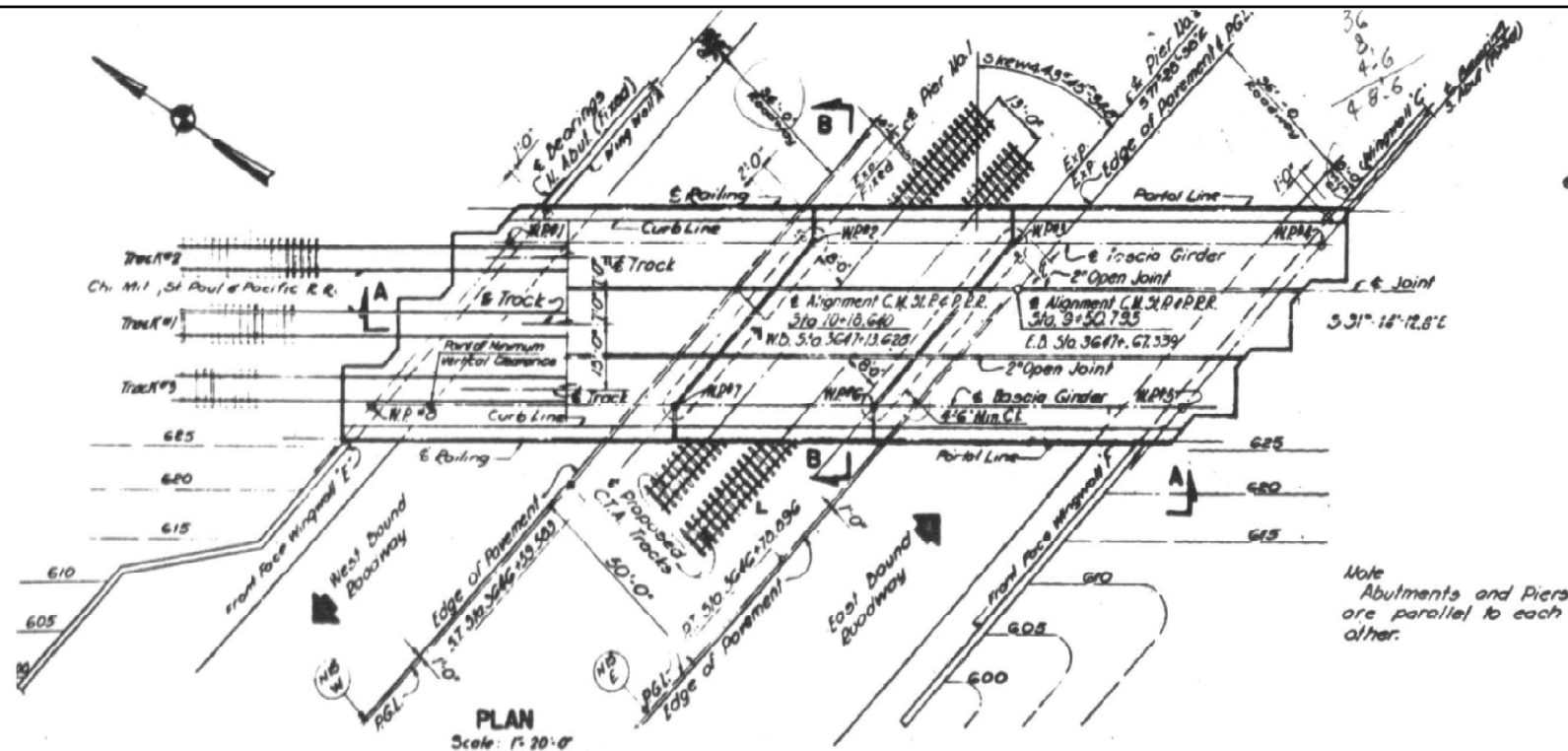
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 3 (SN 016-0398)
DRAINAGE DETAILS

SCALE: SHEET 6 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	13
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



TOTAL BILL OF MATERIAL (SN 016-0516)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	36
CLEANING DRAINAGE SYSTEM	L. SUM	0.05

MODEL: Location 4 Sheet 1 (Sheet)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-sh1-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/28/2025	DATE -	REVISED -

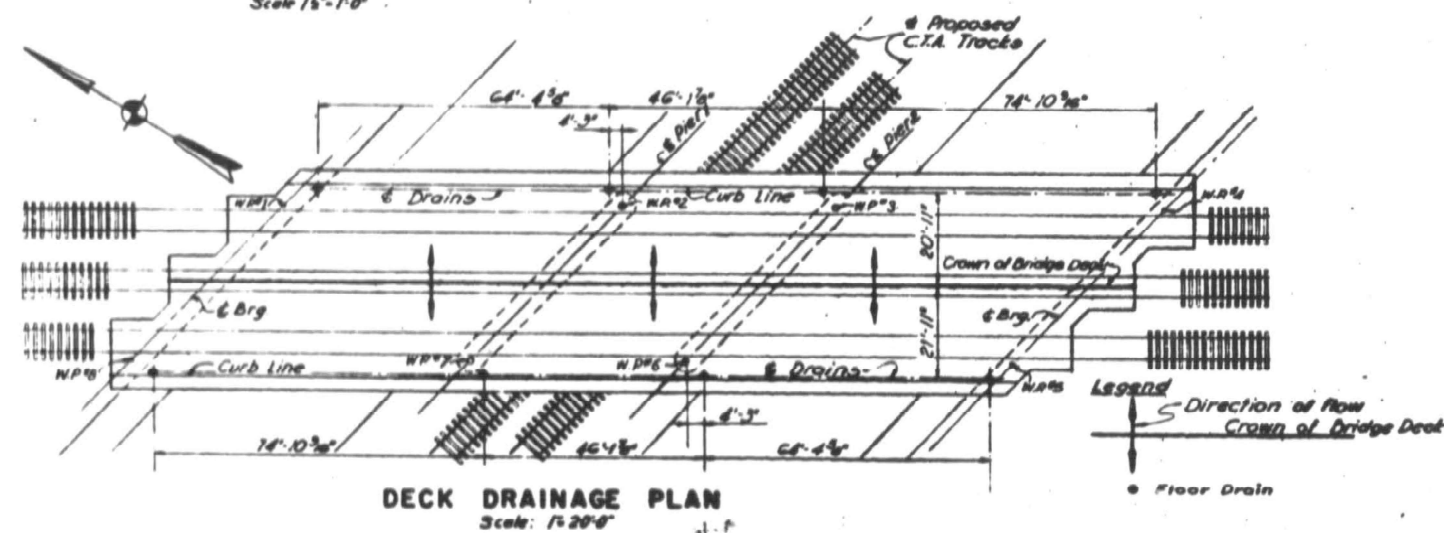
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 4 (SN 016-0516)
PLAN AND ELEVATION

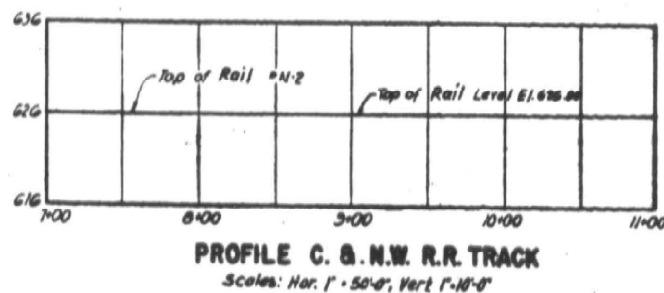
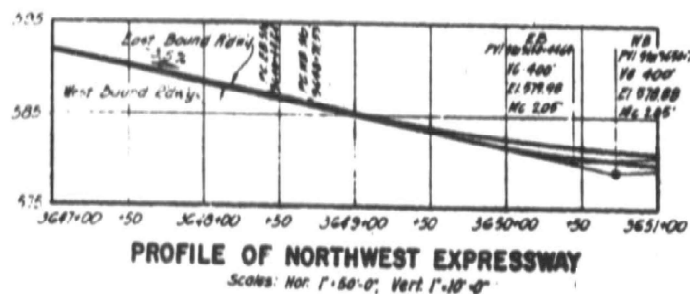
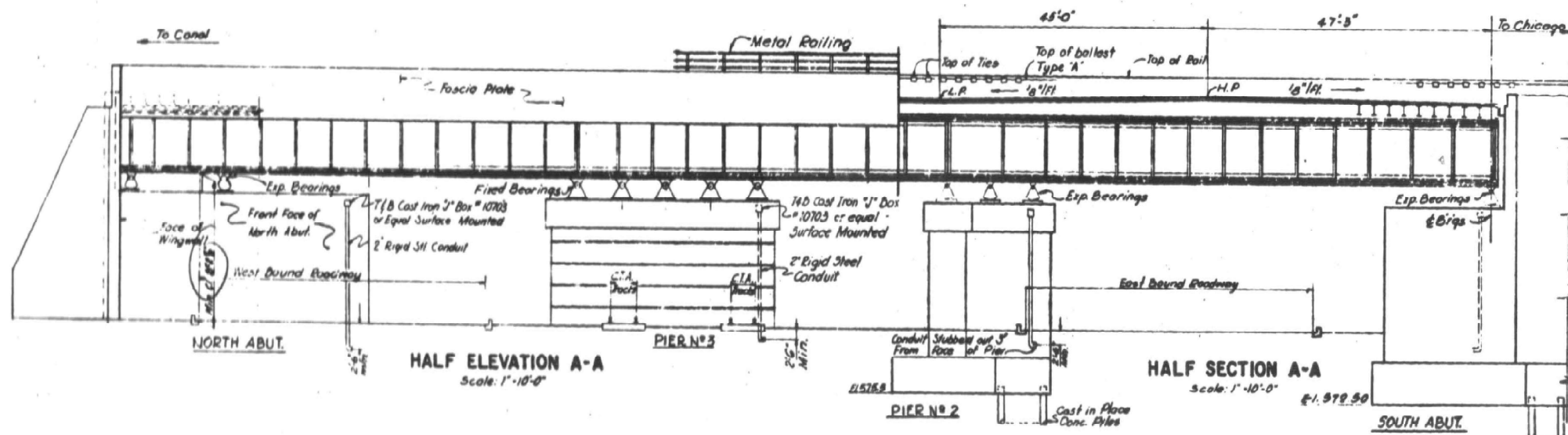
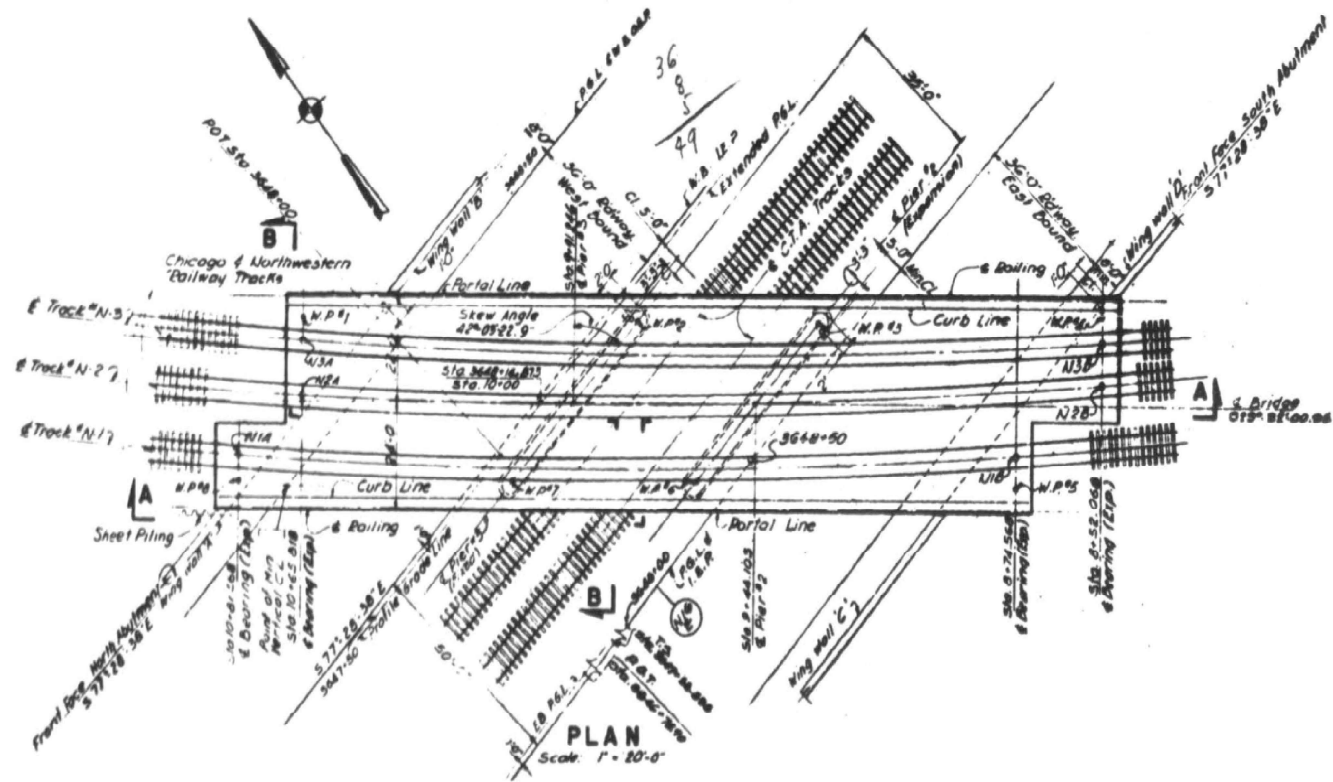
SCALE: SHEET 7 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	14
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

MODEL: Location 4 Sheet 2 [Sheet]
FILE NAME: c:\pw work\p\w\dot\hassan\1065265\106525-sht-plan.dgn



F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	15
		CONTRACT NO. 62X74		
		ILLINOIS	FED. AID PROJECT	



1. Surfaces of concrete walls, piers & abutments exposed to public view after completion shall be given a rubbed finish according to Art. 52.14a of the Standard Specifications.

TOTAL BILL OF MATERIAL (SN 016-0517)

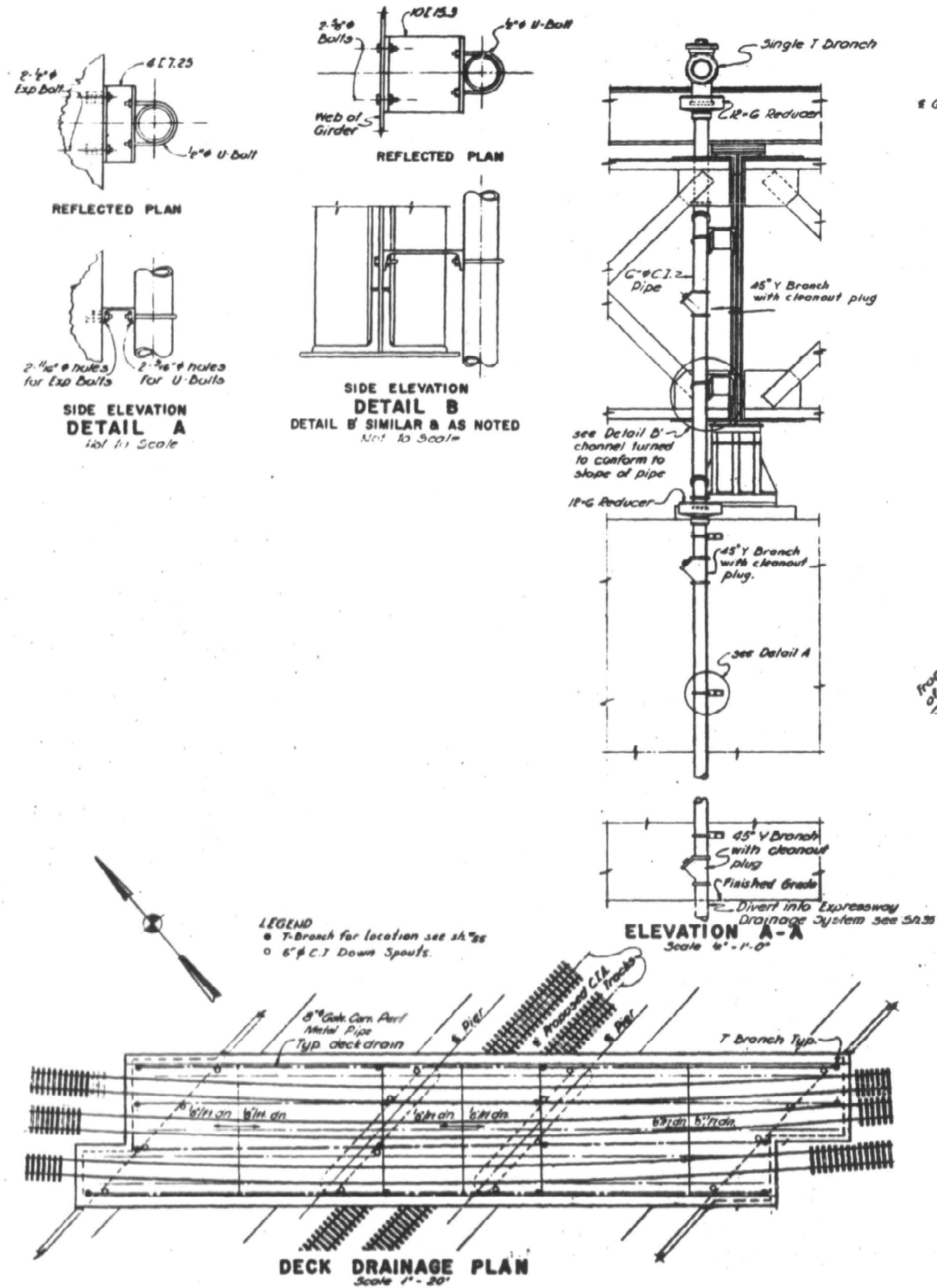
ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	42
CLEANING DRAINAGE SYSTEM	L SUM	0.05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 5 (SN 016-0517)
PLAN AND ELEVATION

SCALE: SHEET 10 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	17
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

MODEL: Location 5 Sheet 2 (Sheet)
FILE NAME: c:\p\work\p\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 5 (SN 016-0517)
DRAINAGE DETAILS

SCALE: SHEET 11 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	18
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



016-0517 PHOTO #1
NORTH ABUTMENT
REPAIR 6 INCH CAST IRON PIPE FROM HORIZONTAL
TOP SECTION TO ROADWAY SURFACE, 24 FEET

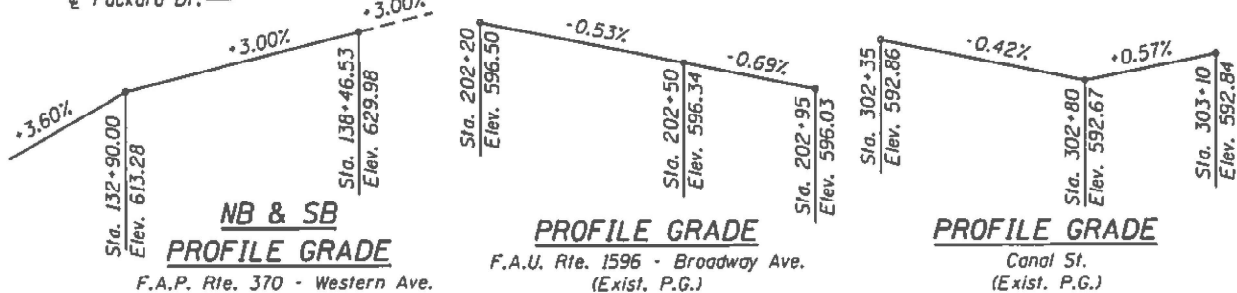
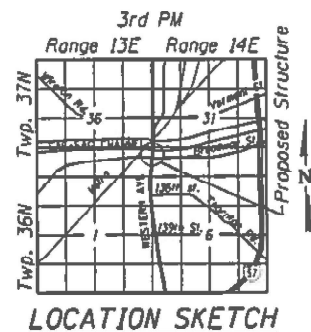
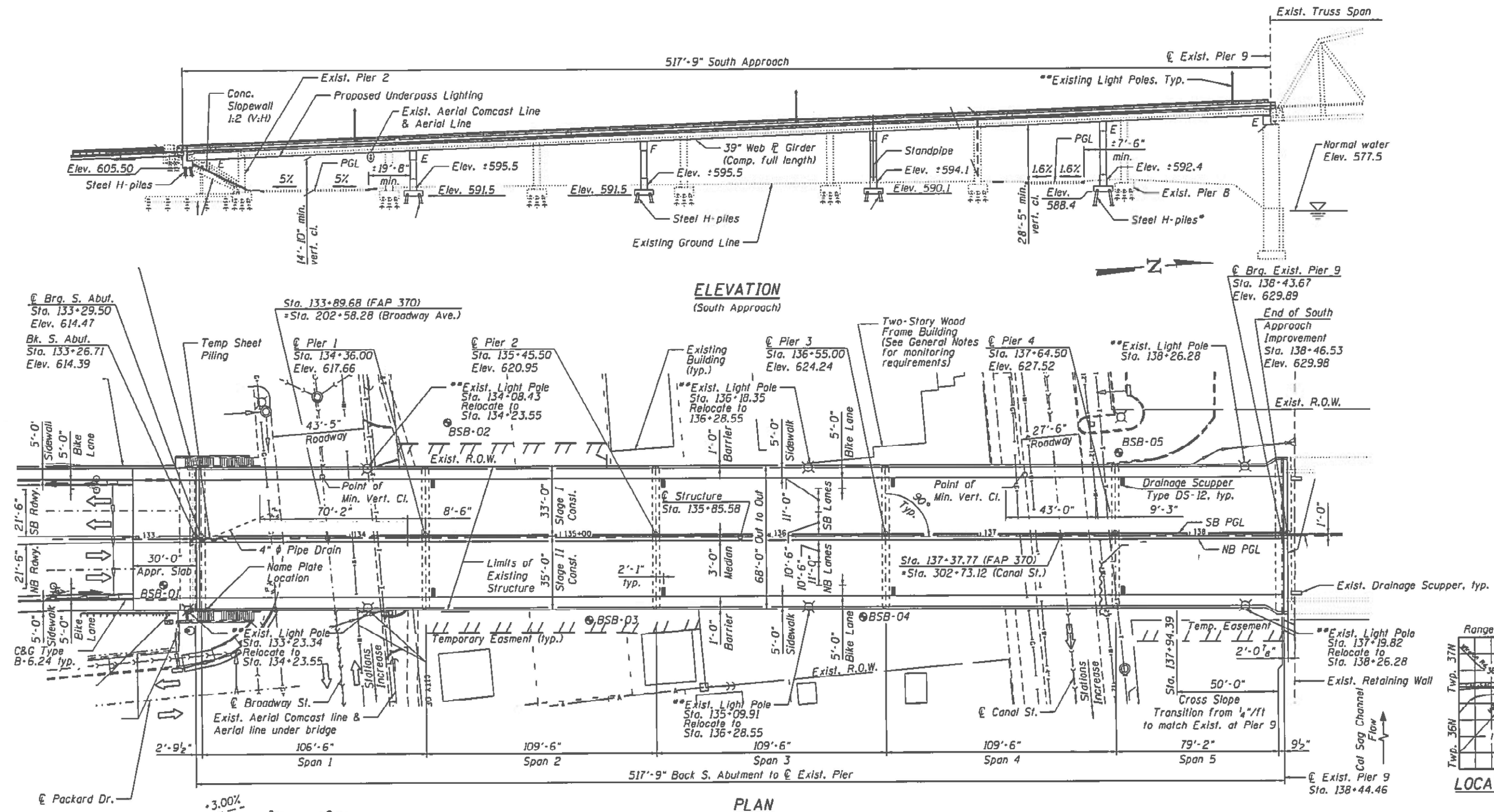


016-0517 PHOTO #2
SOUTH ABUTMENT
REPAIR 6 INCH CAST IRON PIPE FROM JUNCTION TO
ROADWAY SURFACE, 18 FEET

MODEL: Location 5 Sheet 3 [Sheet]
FILE NAME: c:\p\work\p\016\0517\065265D\065265-shr-plan.dgn

	USER NAME = naveed.hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION NO. 5 (SN 016-0517) PHOTO OF DAMAGED DRAINAGE SYSTEM	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	(066-1617-15D) BR 24	COOK	60	19
		CHECKED -	REVISED -			CONTRACT NO. 62X74				
	PLOT DATE = 3/28/2025	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 12	OF 49 SHEETS	STA.	TO STA.					

MODEL: Location 6 Sheet 1 (Sheet)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-shr-plan.dgn



TOTAL BILL OF MATERIAL (SN 016-0777)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	83
CLEANING DRAINAGE SYSTEM	L SUM	0.05

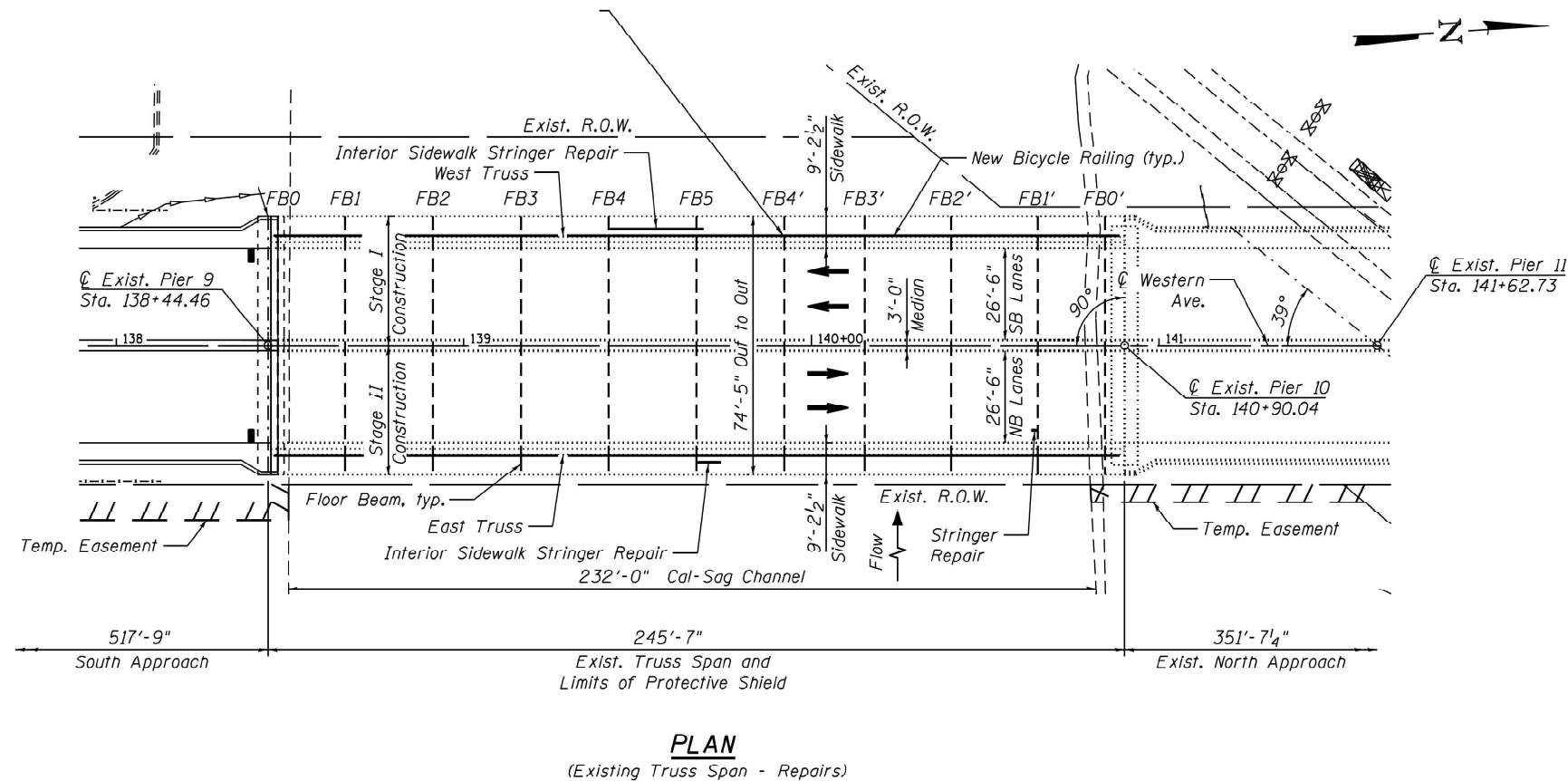
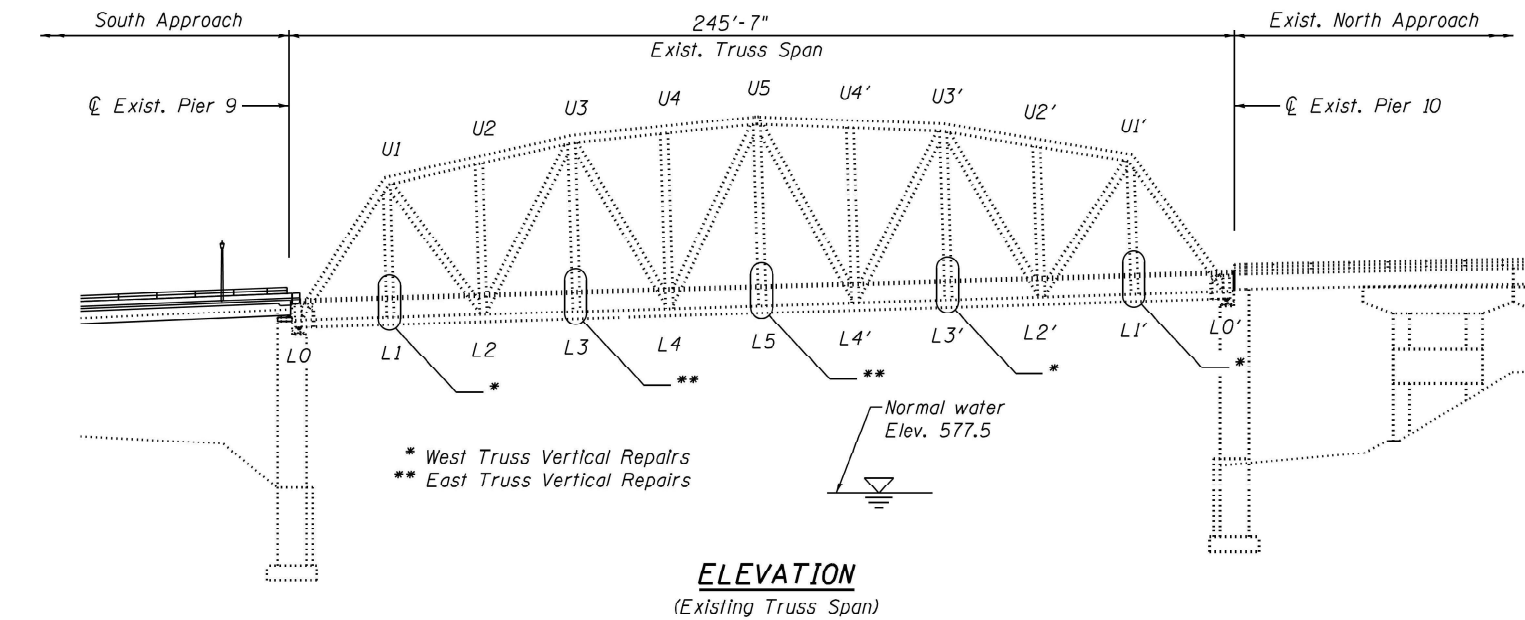
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 6 (SN 016-0777)
PLAN AND ELEVATION

SCALE: SHEET 13 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	20
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

MODEL: Location 6 Sheet 2 (Sheet)
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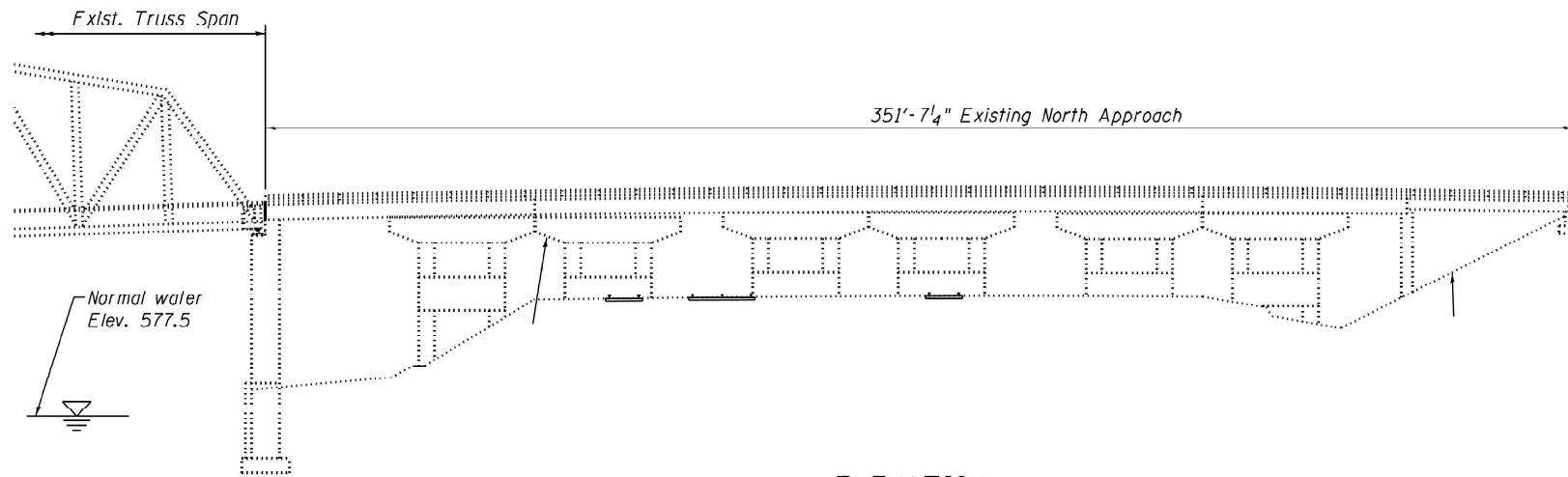
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PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

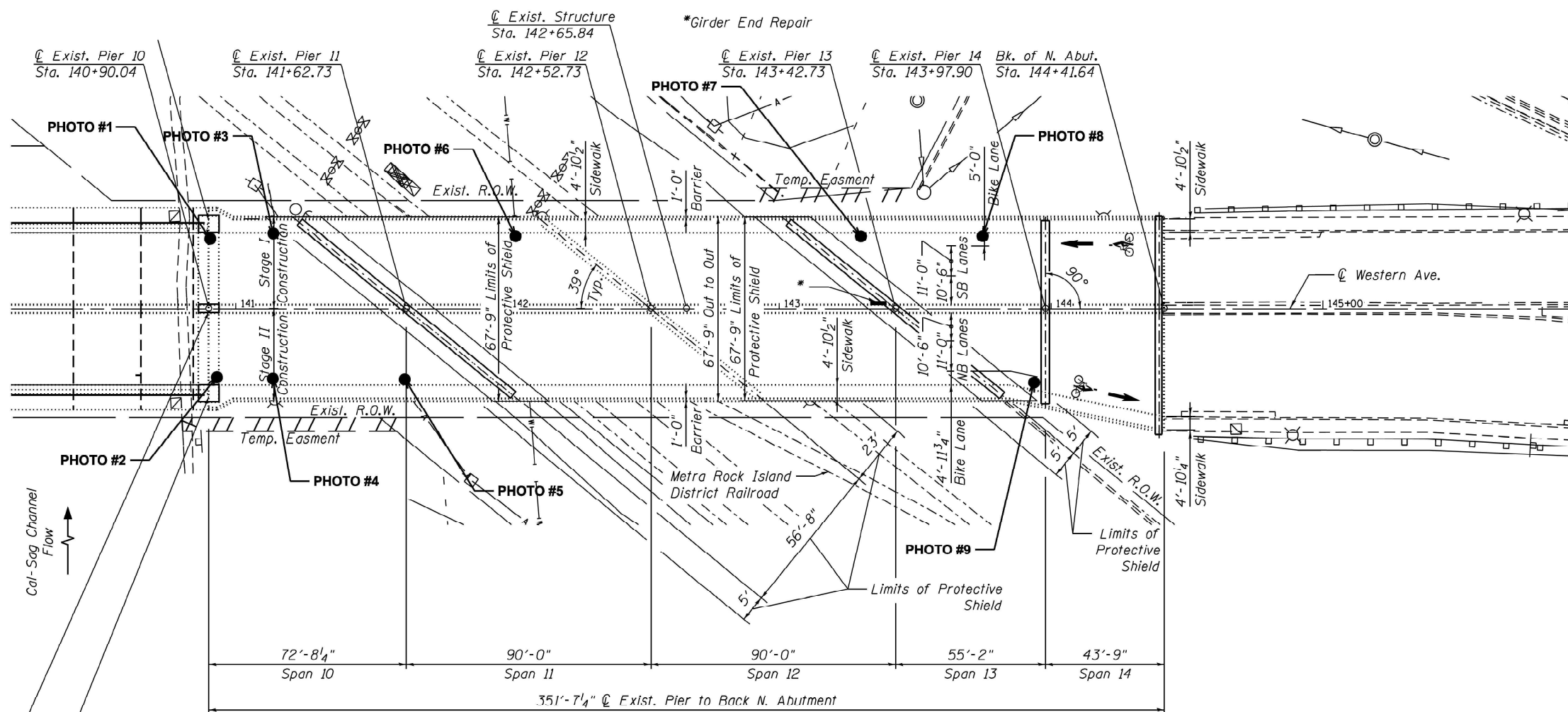
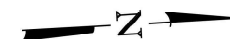
LOCATION NO. 6 (SN 016-0777)
DRAINAGE DETAILS

SCALE: SHEET 14 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	21
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Existing North Approach)



PLAN
(Existing North Approach)

MODEL: Location 6 Sheet 3 (Sheet)
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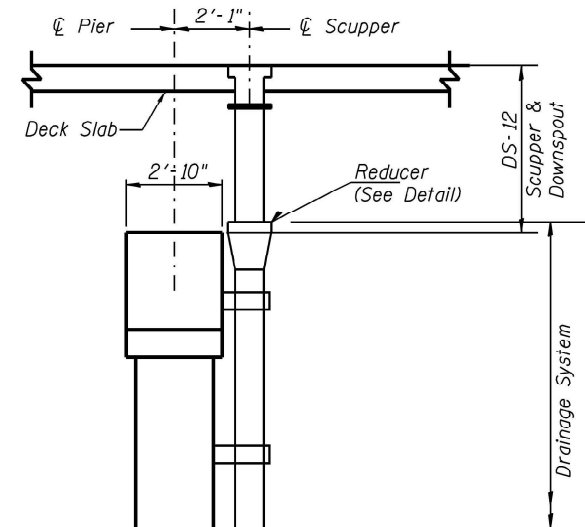
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PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 6 (SN 016-0777)
LOCATION & NUMBER OF PHOTO FOR DAMAGED DRAINAGE SYSTEM

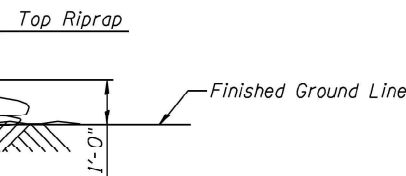
SCALE: SHEET 15 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	22
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

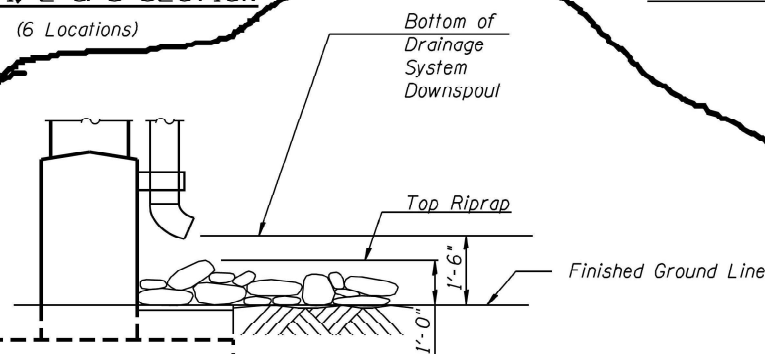


PIER 1, 2 & 3 SECTION
(6 Locations)

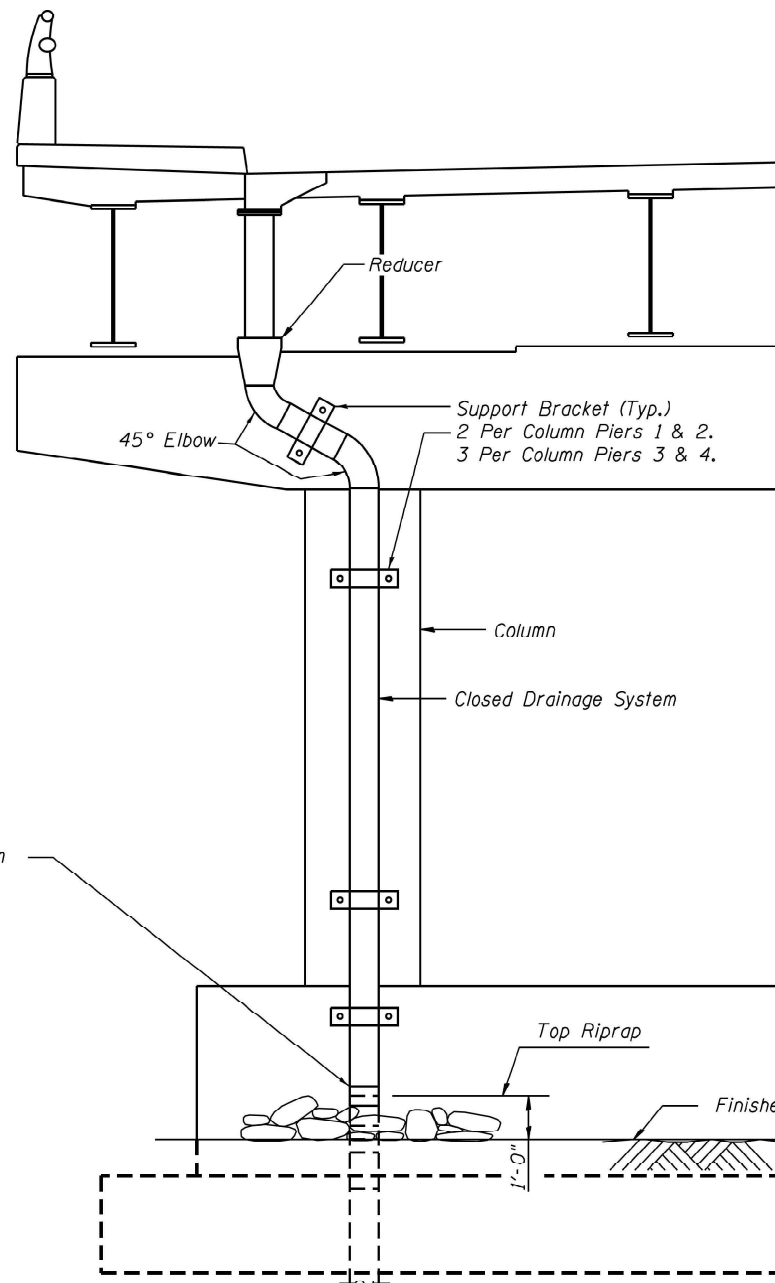
Connect bridge system to underground drainage system using flex-seal coupling with stainless steel clamping bands. Cost of connecting bridge drainage system to underground drainage system is included in the pay item "Drainage System".



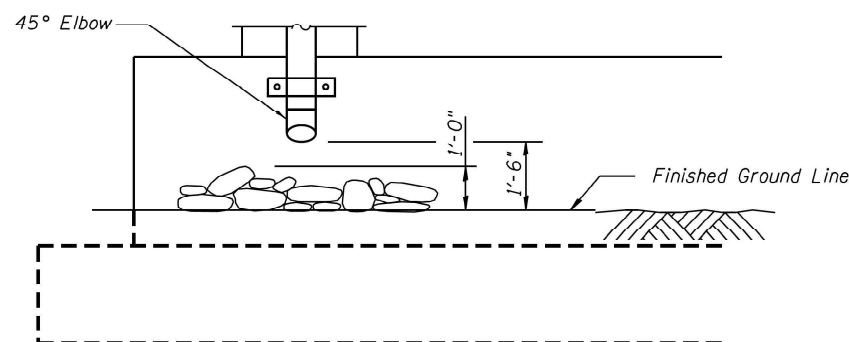
PIER 4 SECTION
(2 Locations)



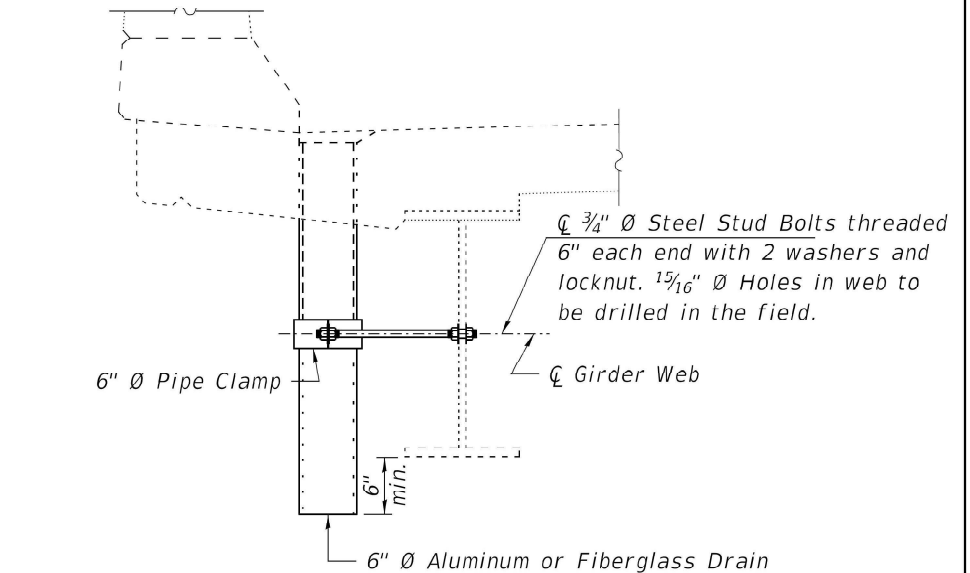
DRAINAGE SYSTEM



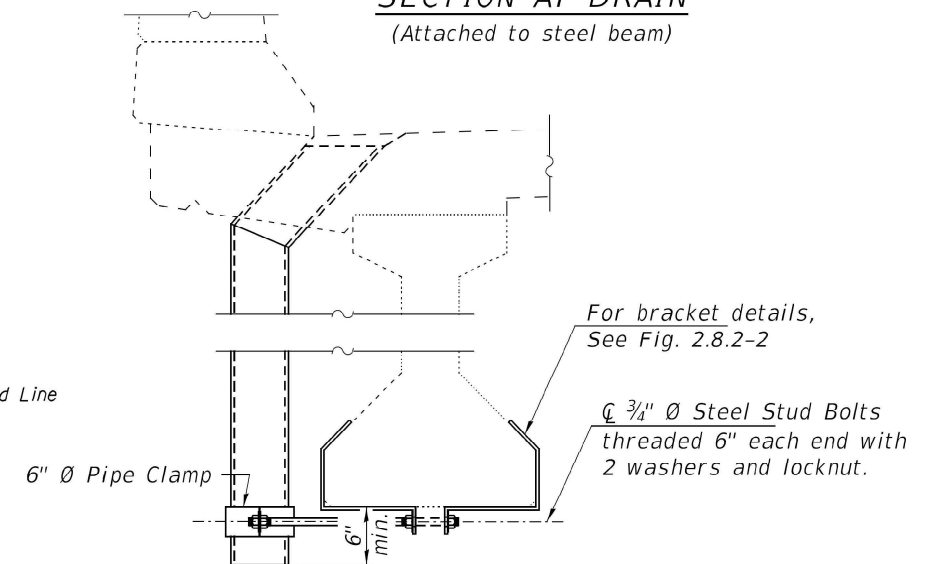
PIER 1, 2 & 3 ELEVATION
(6 Locations)



PIER 4 ELEVATION
(2 Locations)



SECTION AT DRAIN
(Attached to steel beam)



SECTION AT DRAIN
(Attached to PPC I-beam)

FOR INFORMATION ONLY

MODEL: Location 6 Sheet 5 (Sheet)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 6 (SN 016-0777)			
SOUTH APPROACH DRAINAGE SYSTEM			
SCALE:	SHEET 16	OF 49 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	23
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



016-0777 PHOTO #1
PIER 10 WEST END - DRAIN PIPE 1
REPLACE EXTENSION TO THE GROUND, 40 FEET



016-0777 PHOTO #2
PIER 10 EAST END - DRAIN PIPE 2
REPLACE EXTENSION TO GROUND, 15 FEET



016-0777 PHOTO #3
SPAN 10 WEST SIDE - NEAR PIER 11 - DRAIN PIPE 3
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



016-0777 PHOTO #4
SPAN 10 EAST SIDE - NEAR PIER 10 - DRAIN PIPE 4
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



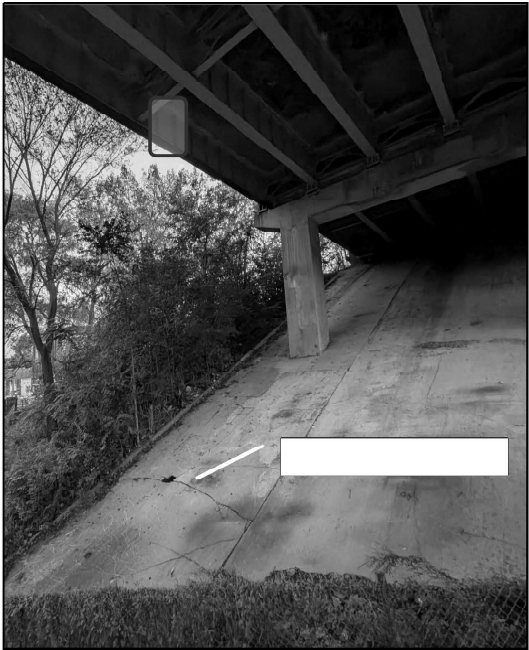
016-0777 PHOTO #5
SPAN 10 EAST SIDE - NEAR PIER 12 - DRAIN PIPE 5
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



016-0777 PHOTO #6
SPAN 12 WEST SIDE - NEAR PIER 12 - DRAIN PIPE 6
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



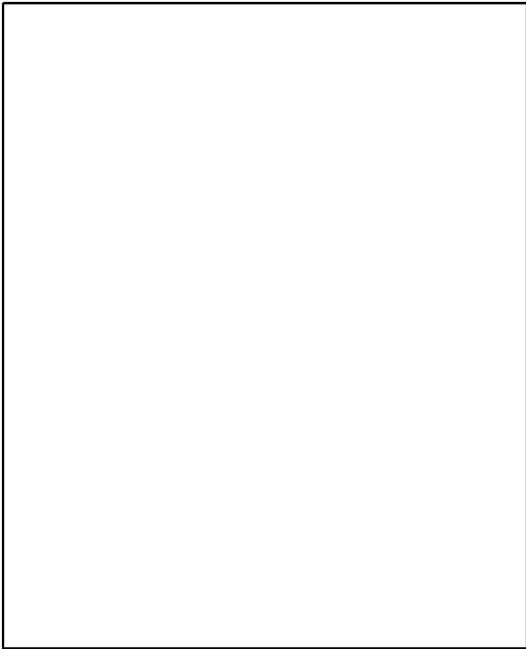
016-0777 PHOTO #7
SPAN 13 WEST SIDE - NEAR PIER 13 - DRAIN PIPE 7
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



016-0777 PHOTO #8
SPAN 13 WEST SIDE - NEAR PIER 14 - DRAIN PIPE 8
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



016-0777 PHOTO #9
SPAN 13 EAST SIDE - NEAR PIER 14 - DRAIN PIPE 9
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET



016-0777 PHOTO #9
SPAN 13 EAST SIDE - NEAR PIER 14 - DRAIN PIPE 9
EXTEND PIPE TO 6 INCH BELOW BOTTOM FLANGE, 4 FEET

MODEL: Location 6 Sheet 4 [Sheet]
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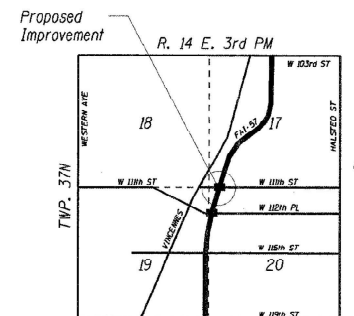
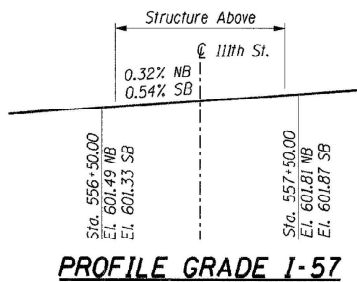
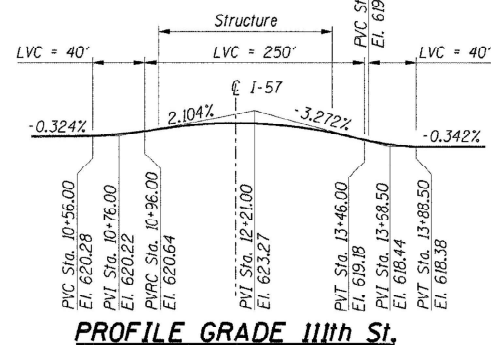
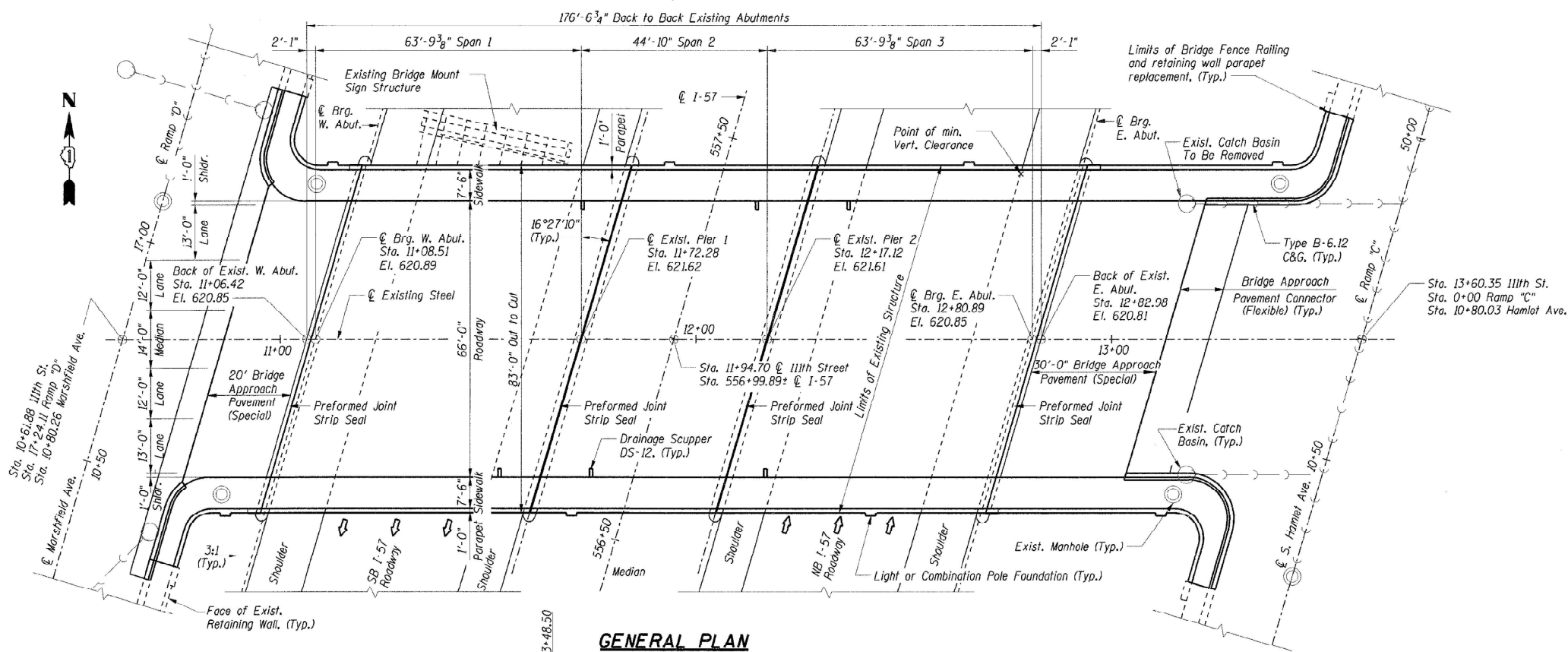
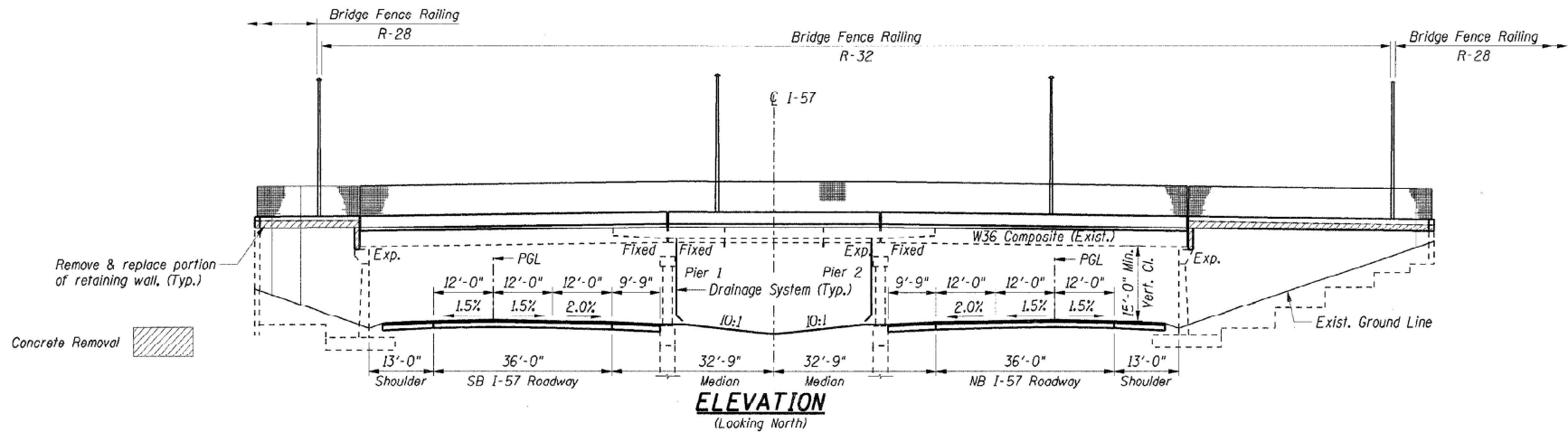
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PLOT DATE	= 3/28/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 6 (SN 016-0777)
PHOTO OF DAMAGED DRAINAGE SYSTEM

SCALE: SHEET 17 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	24
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



TOTAL BILL OF MATERIAL (SN 016-0989)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	24
CLEANING DRAINAGE SYSTEM	L SUM	0.05

MODEL: Location 7 Sheet 1 (Sheet)
FILE NAME: c:\pwworking\hassan\1065265D\1065265-shr-plan.dgn

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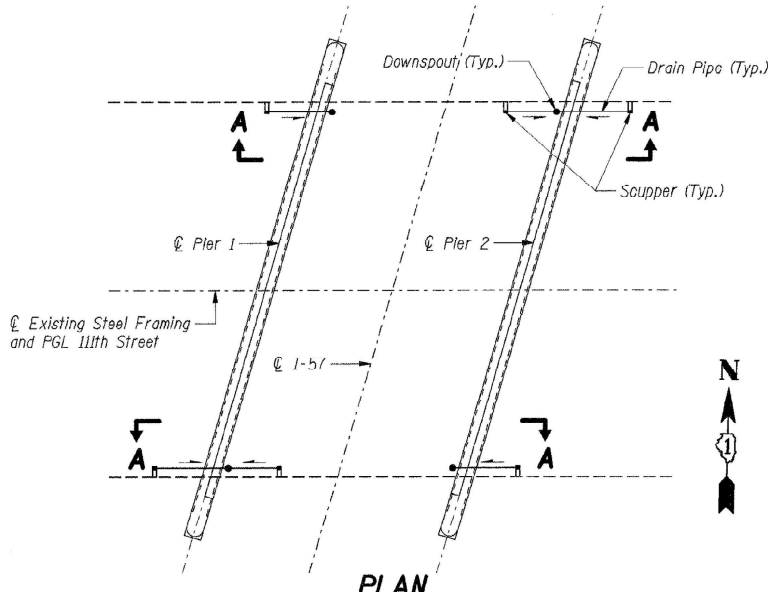
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 7 (SN 016-0989)
PLAN AND ELEVATION

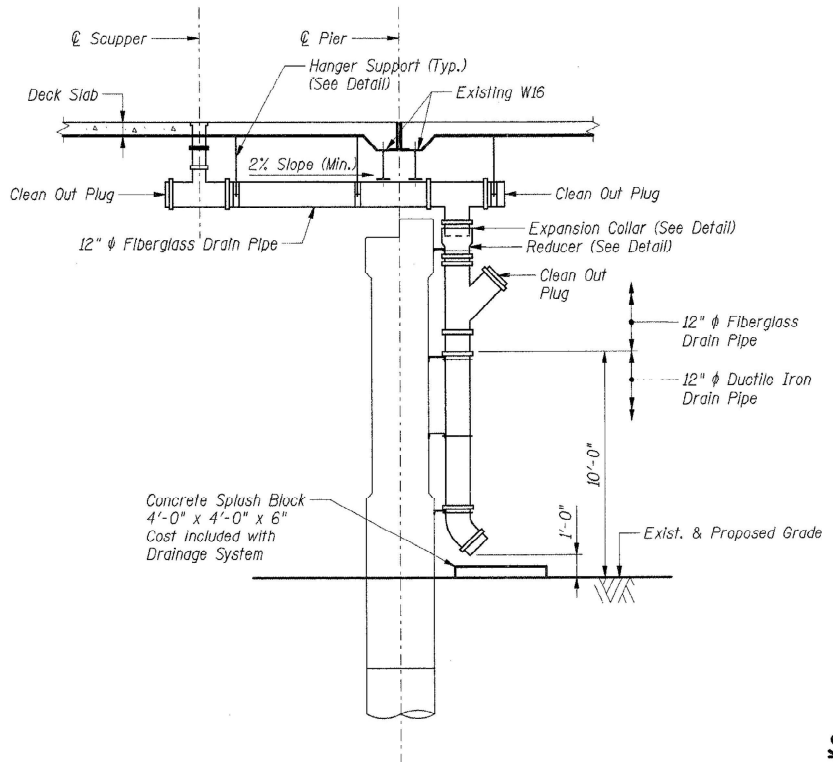
SCALE: SHEET 18 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	25
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

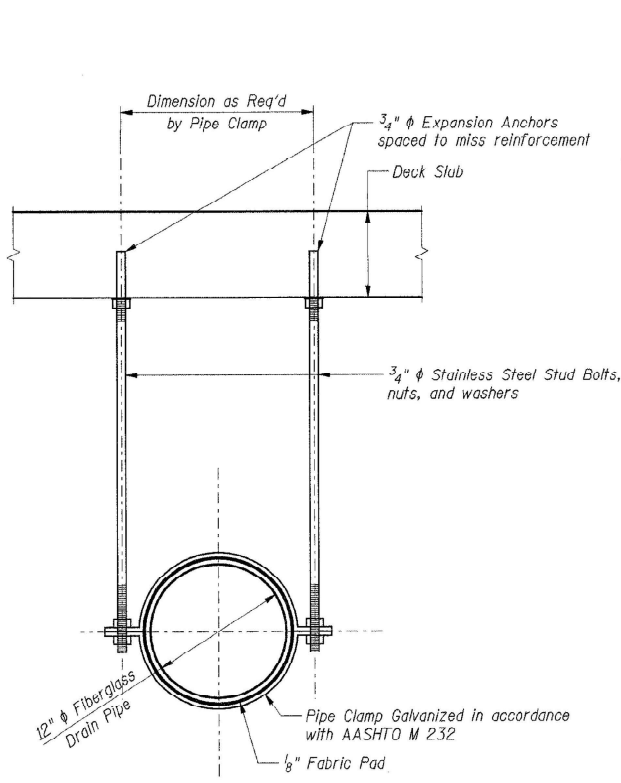
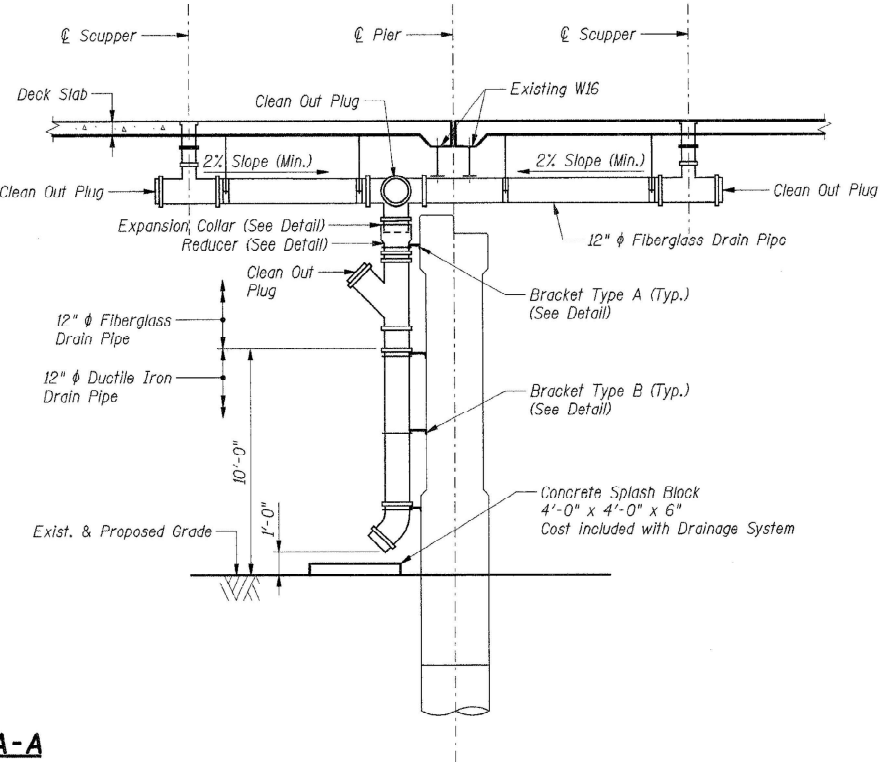
FOR INFORMATION ONLY



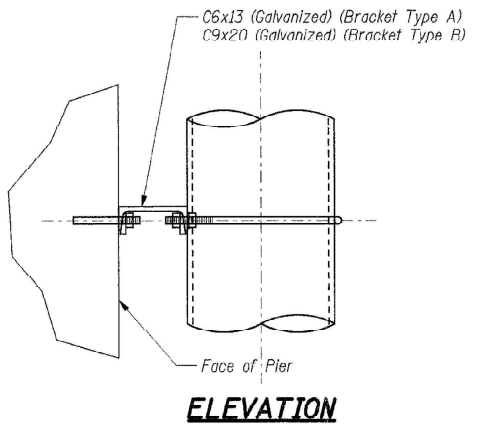
Note:
For Scupper Locations and Scupper Type see Dock Plan Sheet S-006.



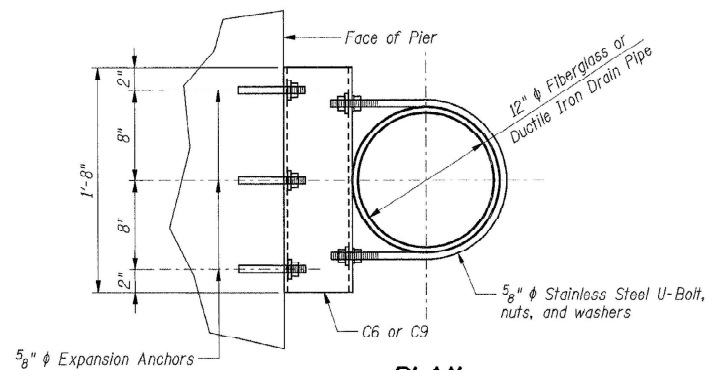
SECTION A-A



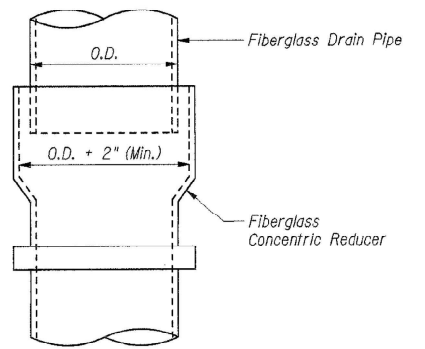
HANGER SUPPORT DETAIL



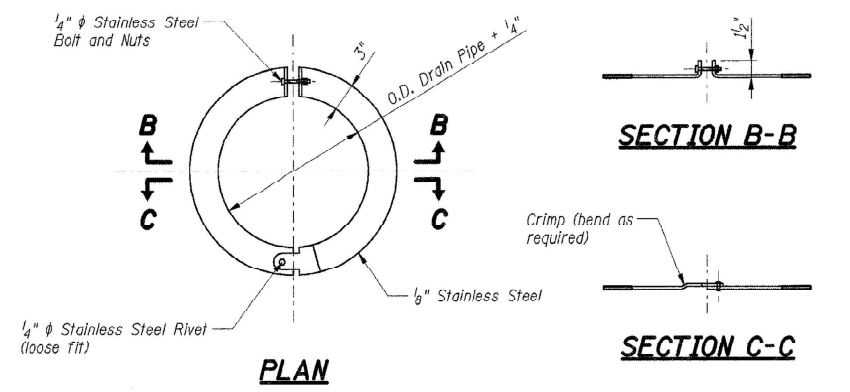
ELEVATION



PLAN
BRACKET SUPPORT DETAIL



REDUCER DETAIL



PLAN

EXPANSION COLLAR DETAIL

SECTION B-B

SECTION C-C

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PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 7 (SN 016-0989)
DRAINAGE DETAILS

SCALE: SHEET 19 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	26
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



016-0989 PHOTO #1
CENTER MEDIAN - WEST FACE OF EAST PIER
REPAIR BOTTOM SECTIONS OF BOTH DOWNSPOUTS, 24 FEET



016-0989 PHOTO #2
WEST FACE OF EAST PIER - NORTH PIPE



016-0989 PHOTO #3
WEST FACE OF EAST PIER - SOUTH PIPE

MODEL: Location 7 Sheet 3 [Sheet]
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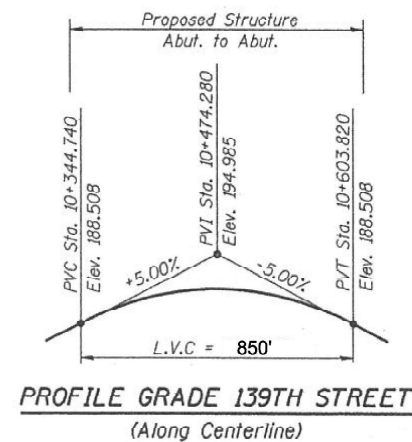
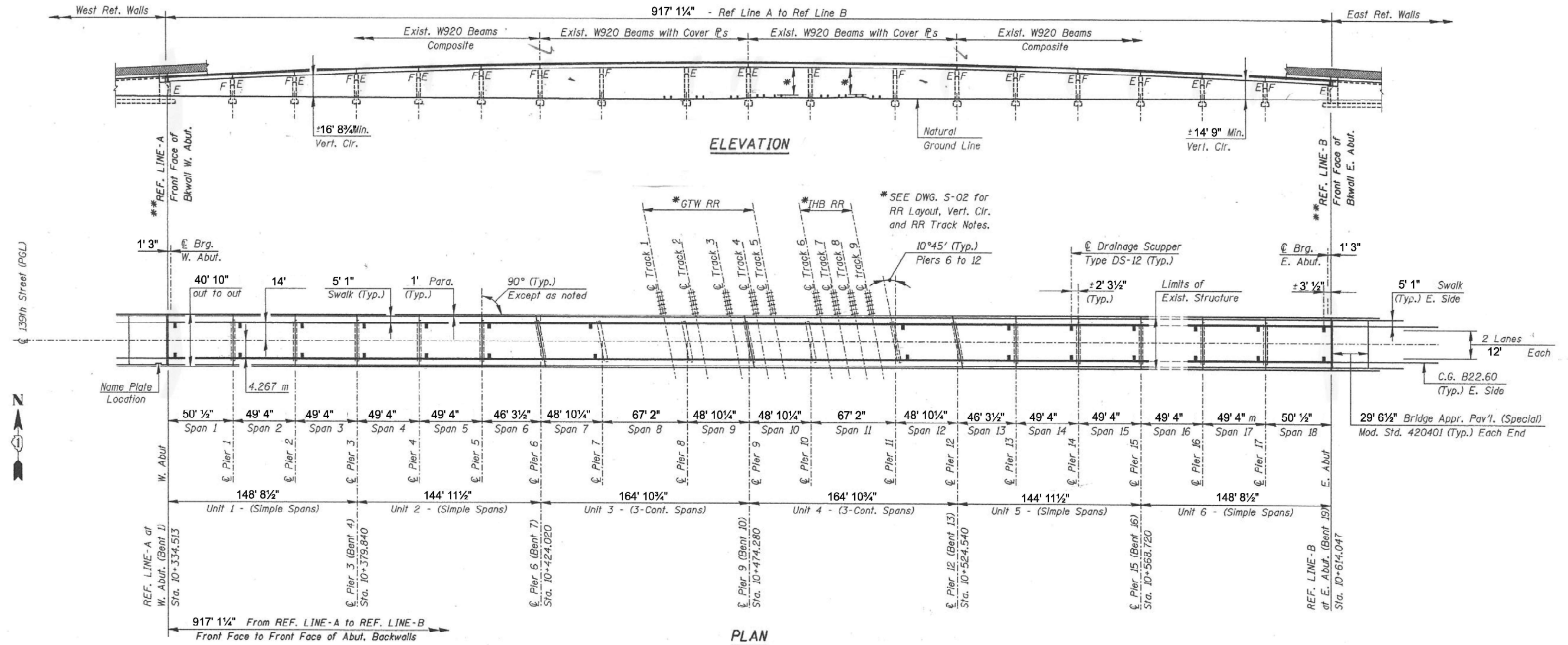
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		CHECKED	-	REVISED	-
PLOT DATE	= 3/28/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 7 (SN 016-0989)
PHOTO OF DAMAGED DRAINAGE SYSTEM

SCALE: SHEET 20 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	27
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



TOTAL BILL OF MATERIAL (SN 016-0994)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	8
CLEANING DRAINAGE SYSTEM	L SUM	0.05

MODEL: Location 8 Sheet 1 (Sheet)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-sh1-plan.dgn

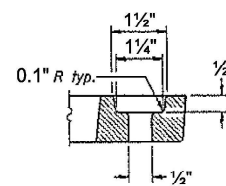
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

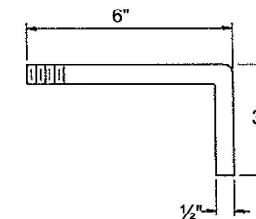
LOCATION NO. 8 (SN 016-0994)
PLAN AND ELEVATION

SCALE: SHEET 21 OF 49 SHEETS STA. TO STA.

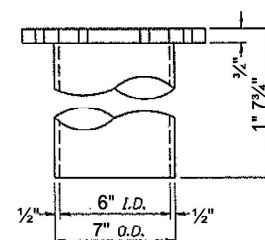
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	28
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



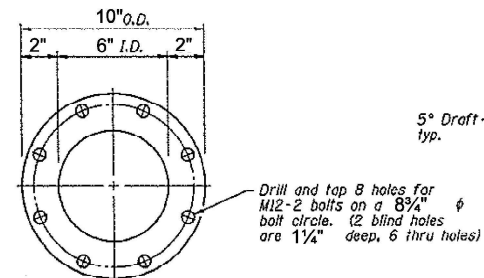
BOLT HOLE DETAIL



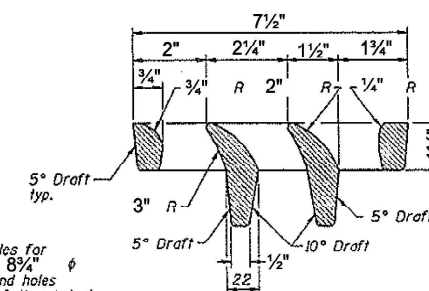
ANCHOR STUD DETAIL



DOWNSPOUT



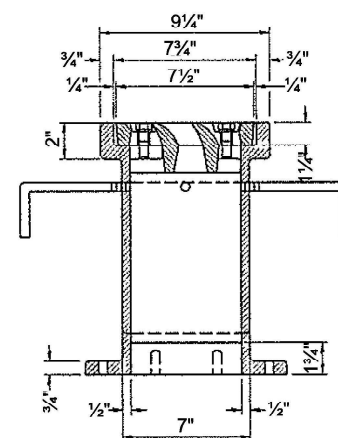
VIEW C-C



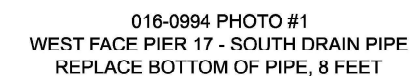
VANE GRATE DETAIL



See DWG. S-09 for scupper location relative to curb.



SECTION B-B

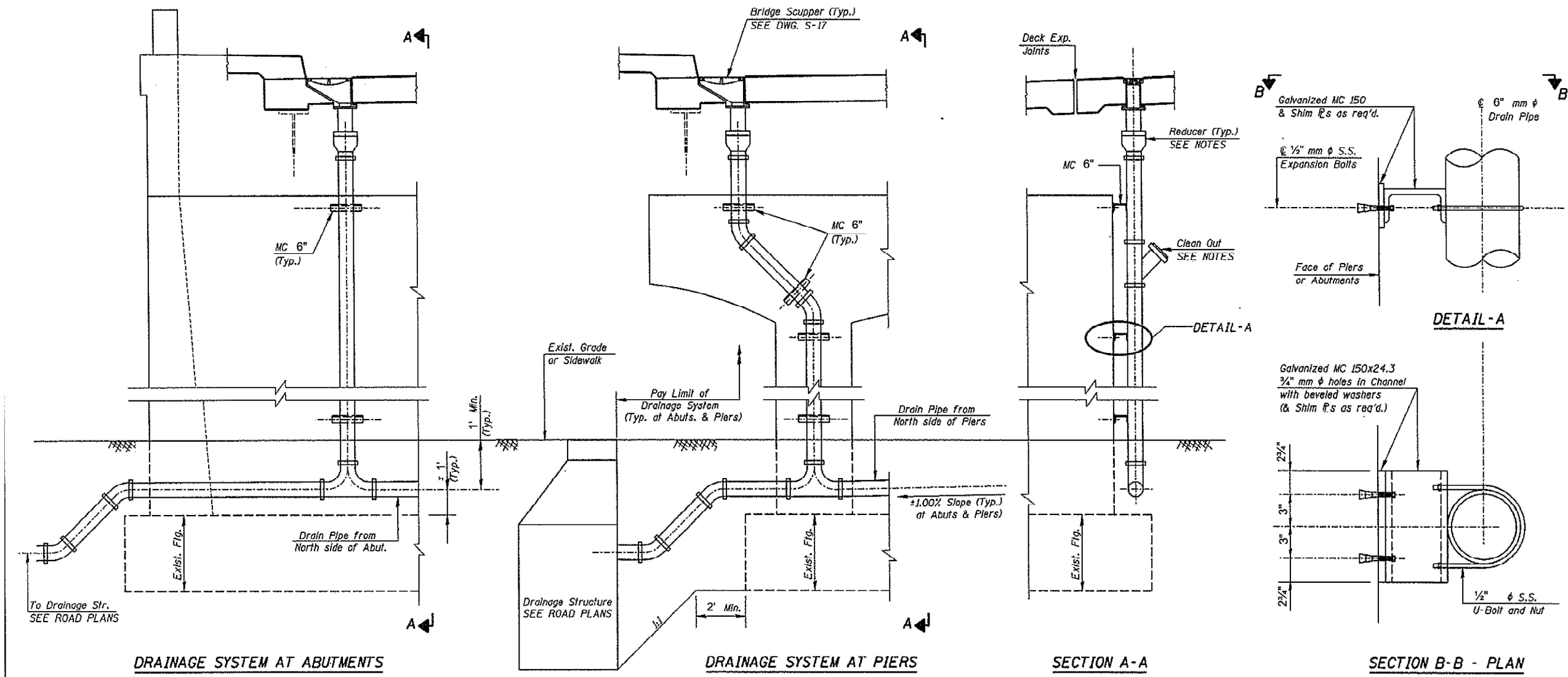


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

[illegible]

MODEL: Location 8 Sheet 2 [Sheet]
FILE NAME: c:\pw_work\pwl\thassan\1065265ID106525-sht-plan.dgn

FOR INFORMATION ONLY



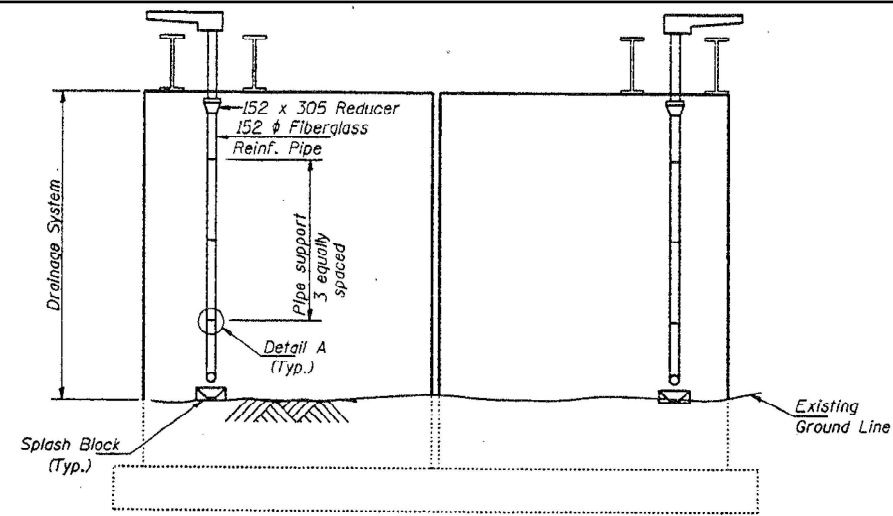
MODEL: Location 8 Sheet 3 (Sheet)
FILE NAME: c:\p\work\p\dwg\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

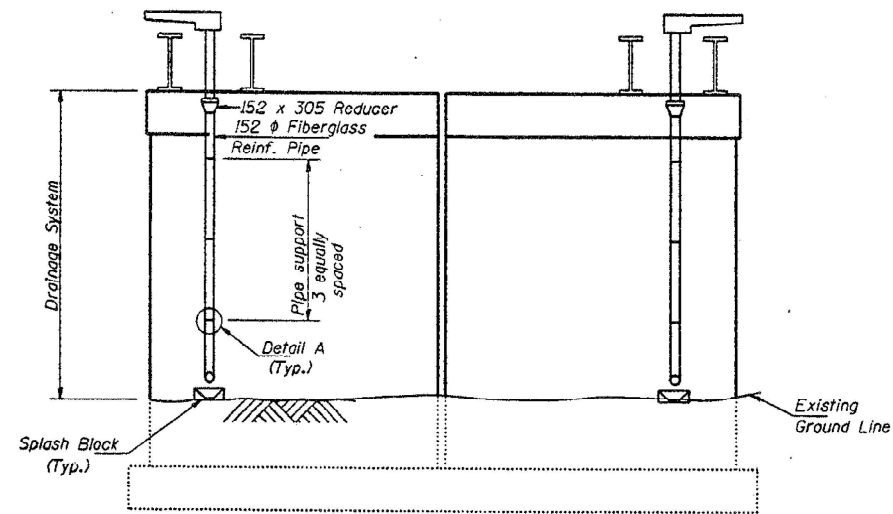
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 8 (SN 016-0994) DRAINAGE DETAILS			
SCALE:	SHEET 23	OF 49 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	30
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

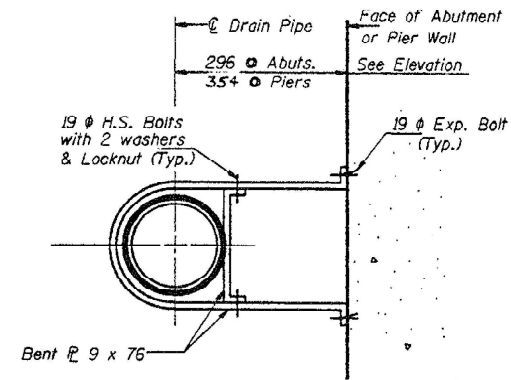


**ELEVATION
ABUTMENTS**

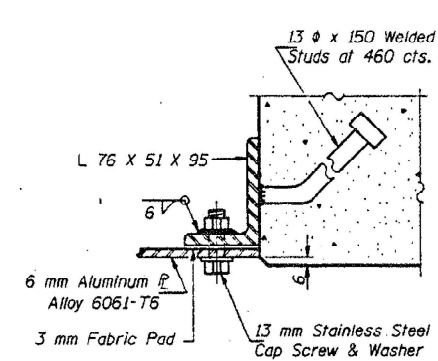


**ELEVATION
PIERS**

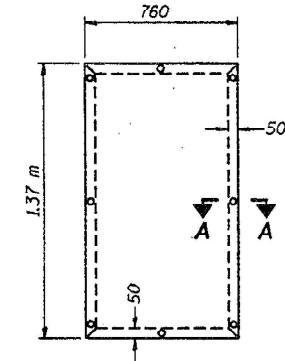
For Drainage Scupper Details
see SHTS. #16 & 17 of 32.



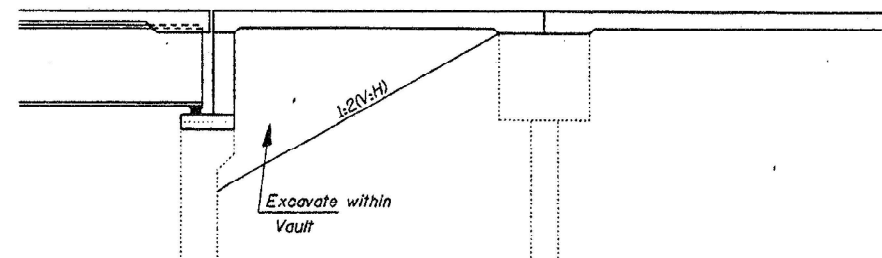
DETAIL A
Connection at Abutment and Pier Wall.



SECTION A-A



ACCESS DOOR ELEVATION
Included in the Cost of "Concrete Structures".



ABUTMENT DETAILS



016-1142 PHOTO #1
NORTHWEST CORNER OF THE BRIDGE
REPLACE DAMAGED HORIZONTAL RUN, 4 FEET

MODEL: Location 9 Sheet 2 (Sheet)
FILE NAME: c:\p\work\p\hassan\1065265D\1065265-sh2-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

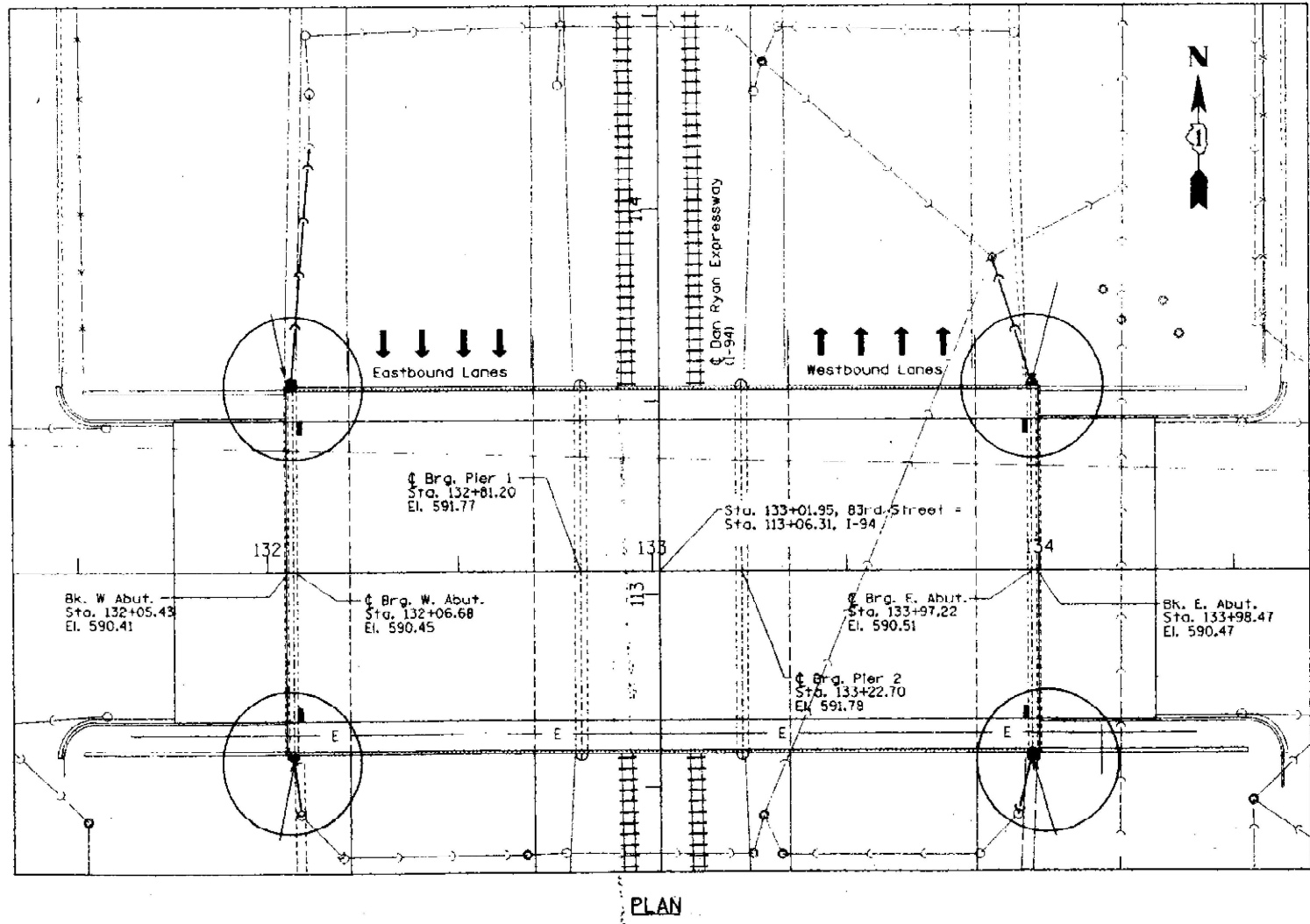
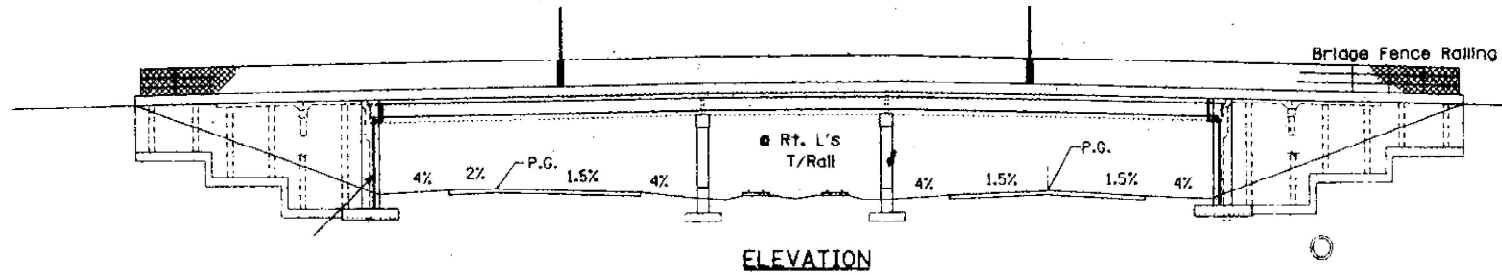
**LOCATION NO. 9 (SN 016-1142)
DRAINAGE DETAILS**

SCALE: SHEET 25 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	32
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL (SN 016-1143)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	14
CLEANING DRAINAGE SYSTEM	L SUM	0.05



016-1143 PHOTO #1
NORTHWEST CORNER OF BRIDGE
REPLACE ELBOW AND PIPE EXTENSION
TO MOVE WATER BEHIND BARRIER WALL, 4 FEET



016-1143 PHOTO #2
SOUTHWEST CORNER OF BRIDGE
REALIGN DOWNSPOUT TO DRAINPIPE CONNECTION, 2 FEET

MODEL: Location 10 Sheet 1 (Sheet)
FILE NAME: c:\p\work\1065265D\1065265-shh-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 10 (SN 016-1143)
PLAN AND ELEVATION

SCALE: SHEET 26 OF 49 SHEETS STA. TO STA.

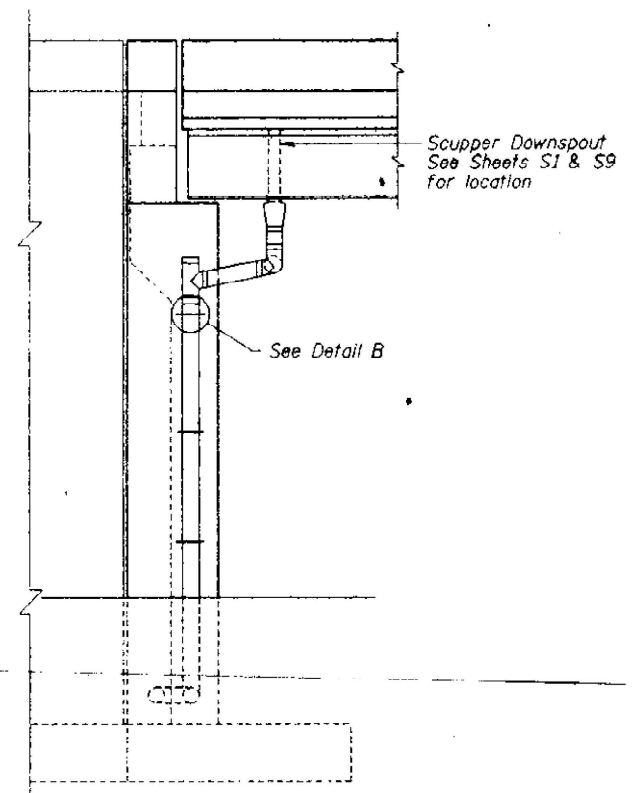
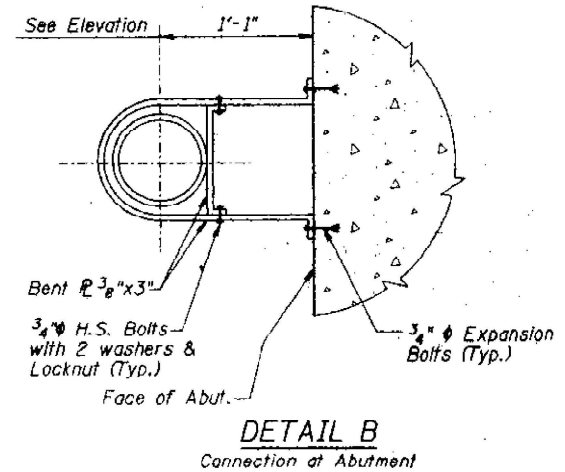
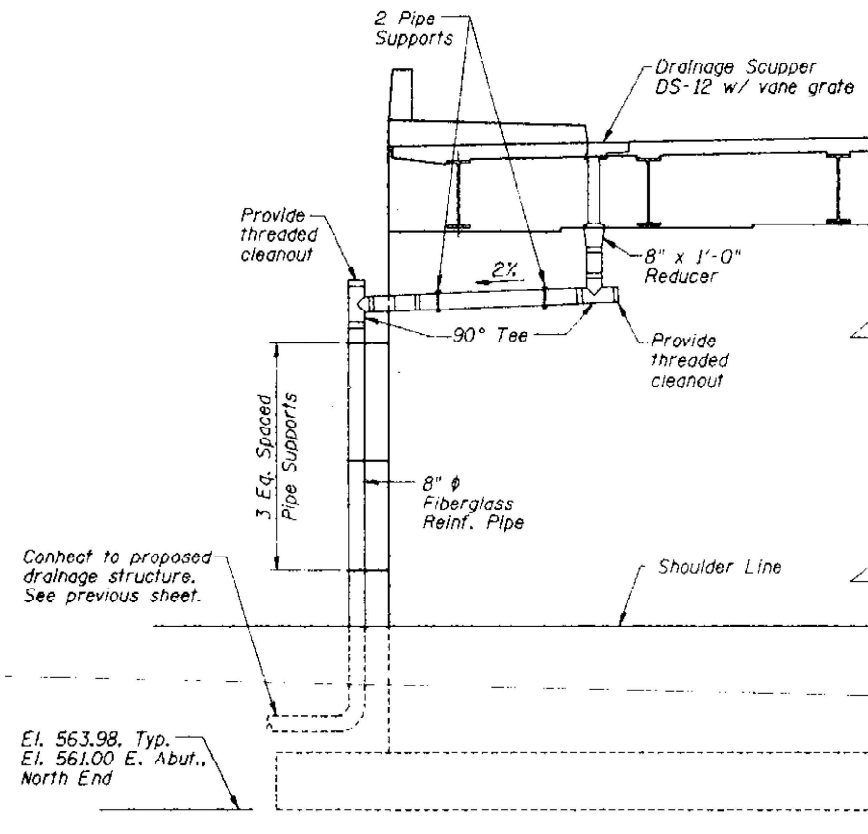
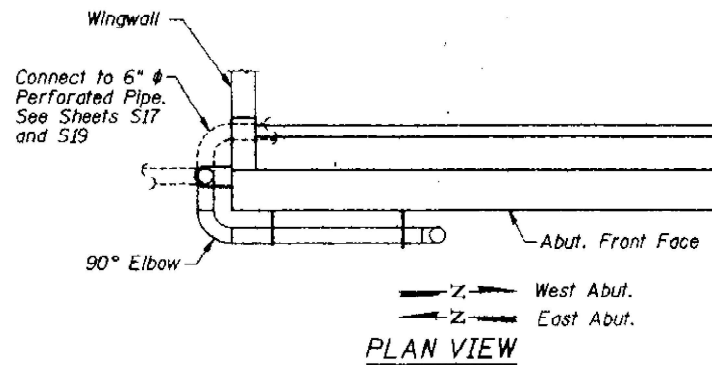
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	33
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



016-1143 PHOTO #3
EAST ABUTMENT - SOUTH END
ELBOW TO PUSH WATER BEHIND BARRIER, 4 FEET



016-1143 PHOTO #4
EAST ABUTMENT - NORTH END
ELBOW TO PUSH WATER BEHIND BARRIER, 4 FEET



PIPING DETAILS (West Abut. South End & East Abut. North End)

PIPING DETAILS OPP. HAND (West Abut. North End & East Abut. South End)

Note:

Fiberglass reinforced pipe, cleanouts, supports & fittings from the scupper to the proposed drainage structure is included in the pay item - Drainage System.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 10 (SN 016-1143)
DRAINAGE DETAILS

SCALE: SHEET 27 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	34
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

USER NAME = naveed.hassan

DESIGNED -

REVISED -

DRAWN -

REVISED -

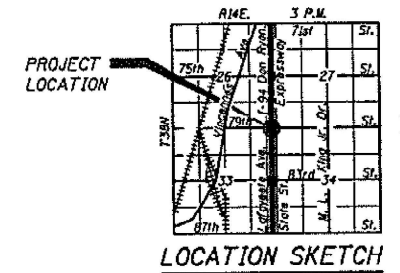
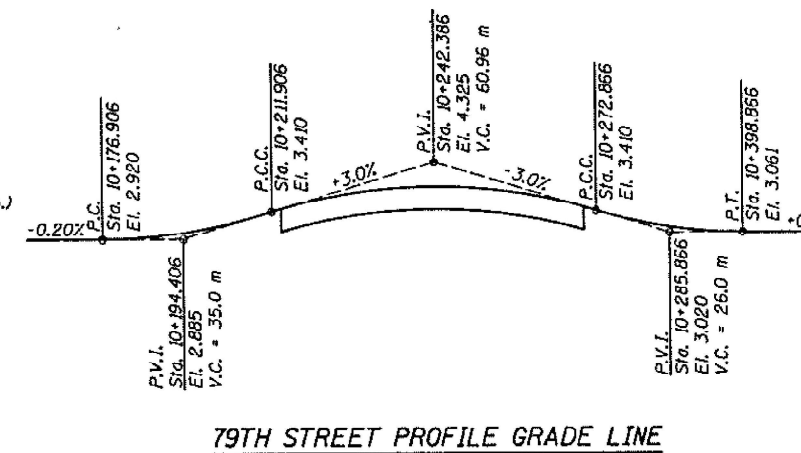
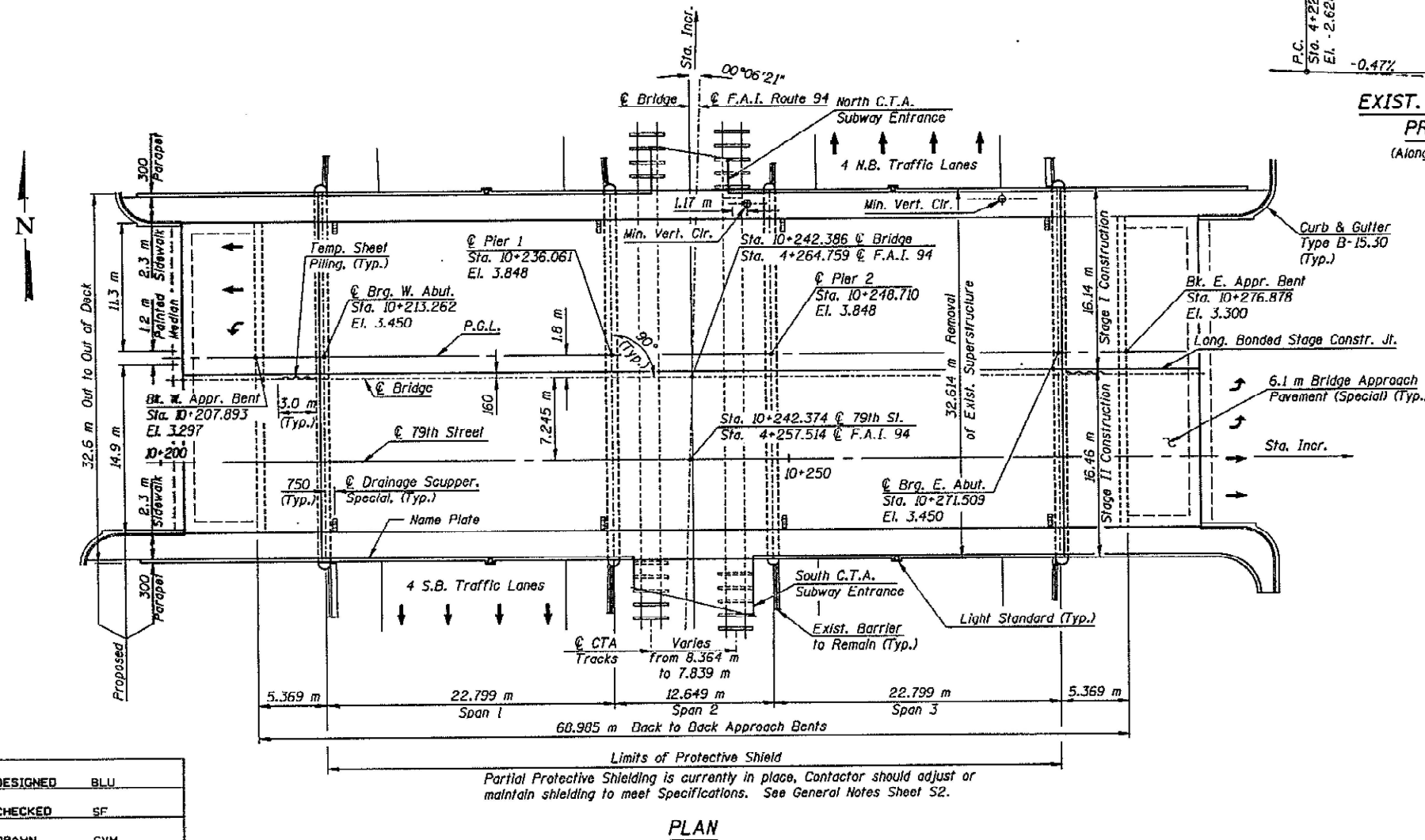
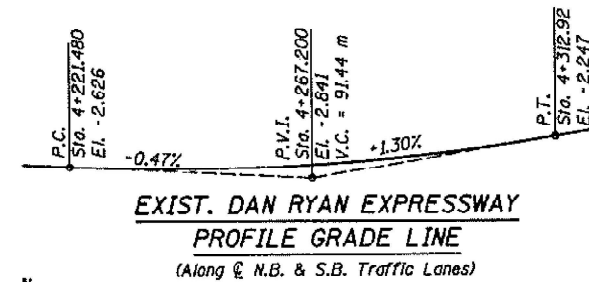
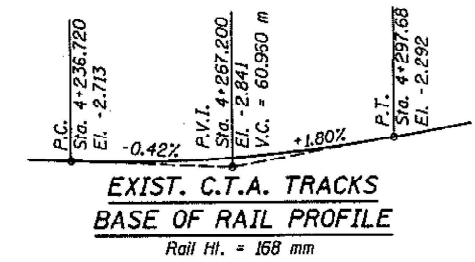
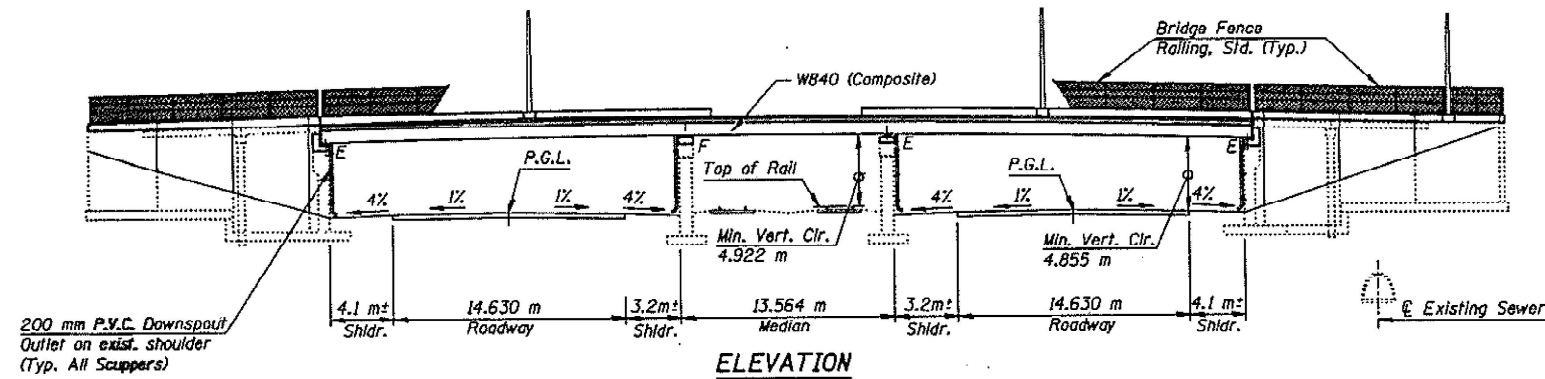
CHECKED -

REVISED -

PLOT DATE = 3/28/2025

DATE -

REVISED -



DESIGNED	BLU
CHECKED	SF
DRAWN	CVM

TOTAL BILL OF MATERIAL (SN 016-1144)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	8
CLEANING DRAINAGE SYSTEM	L SUM	0.05

MODEL: Location 11 Sheet 1 (Sheet)
FILE NAME: c:\pwworking\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

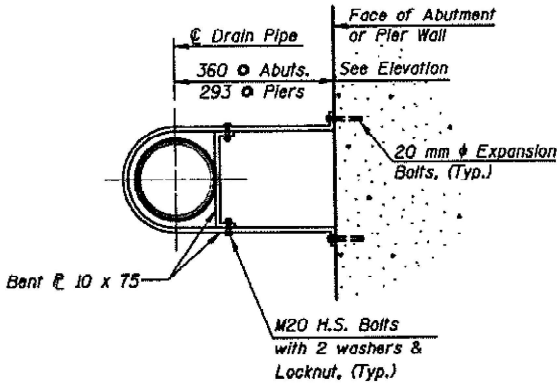
**LOCATION NO. 11 (SN 016-1144)
PLAN AND ELEVATION**

SCALE: SHEET 28 OF 49 SHEETS STA. TO STA.

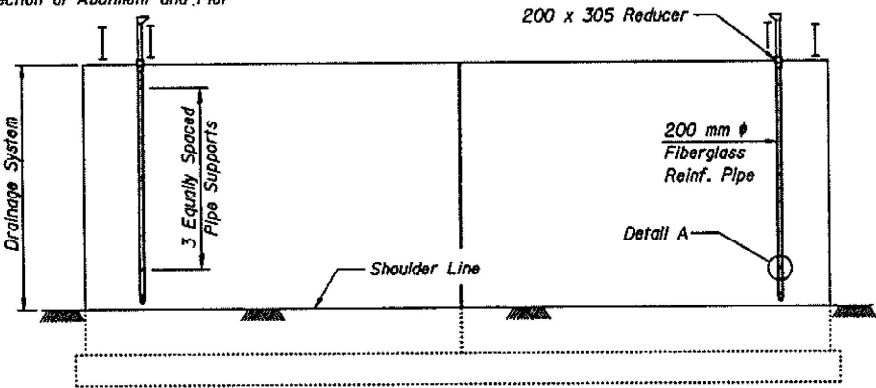
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	35
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



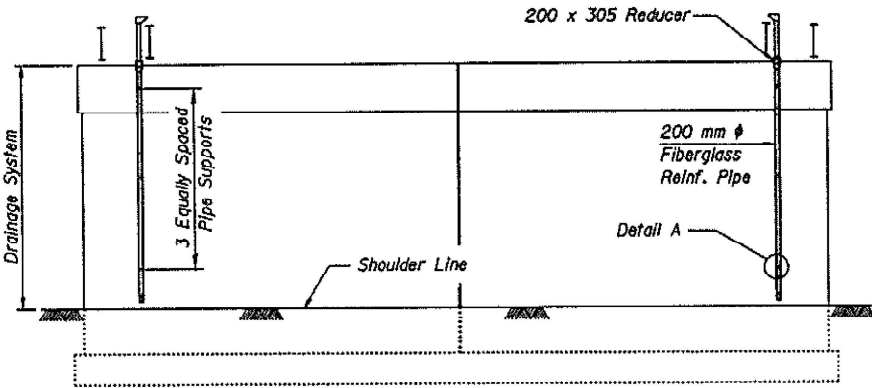
016-1144 PHOTO #1
REPLACE ELBOW AND CONNECTION
TO DOWNSPOUT, 8 FEET



DETAIL A
Connection of Abutment and Pier



ABUTMENT ELEVATION



PIER ELEVATION

MODEL: Location 11, Sheet 2 (Sheet)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-shr-plan.dgn

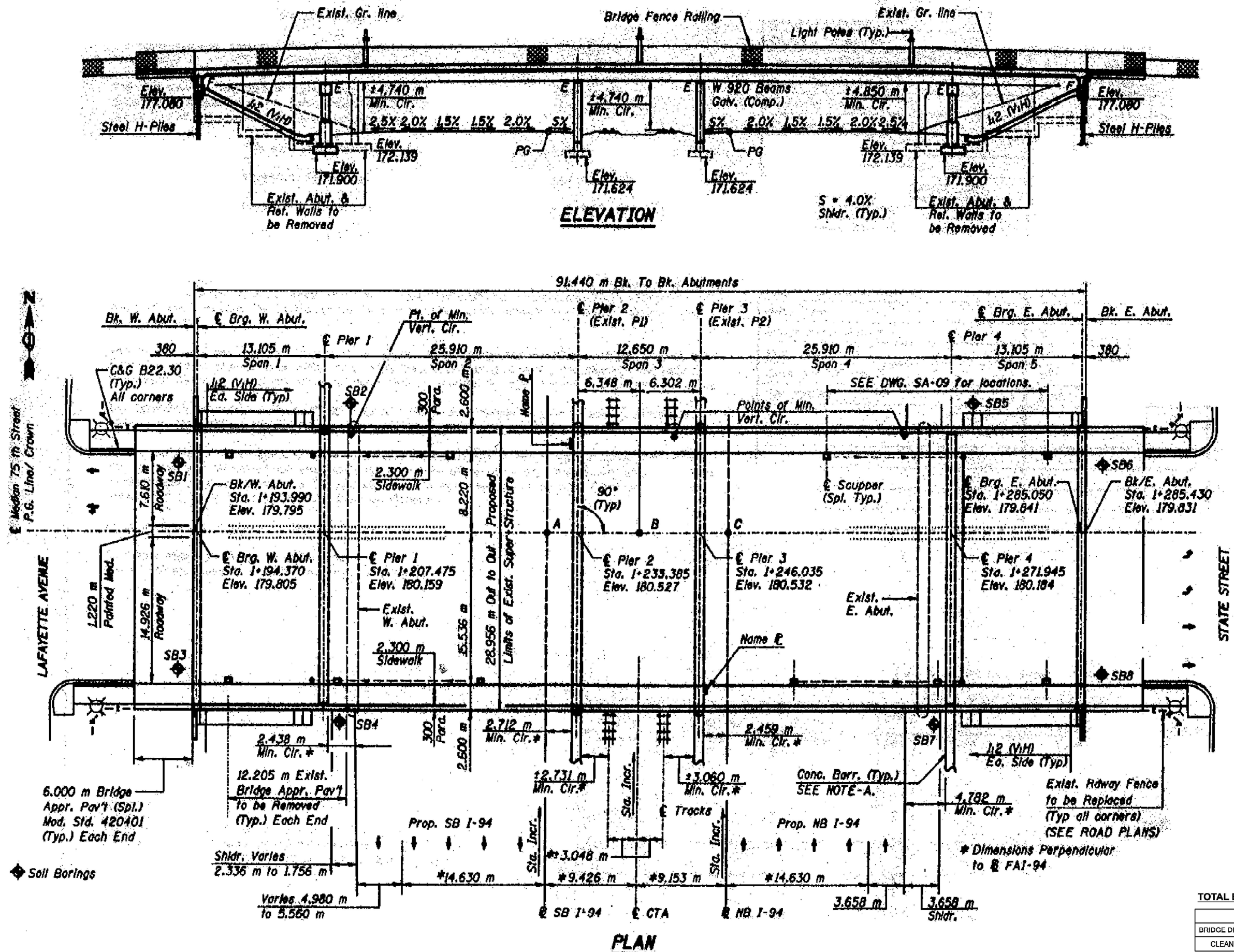
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 11 (SN 016-1144)
DRAINAGE DETAILS

SCALE: SHEET 29 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	36
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



TOTAL BILL OF MATERIAL (SN 016-1145)		
ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	6
CLEANING DRAINAGE SYSTEM	L SUM	0.05

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

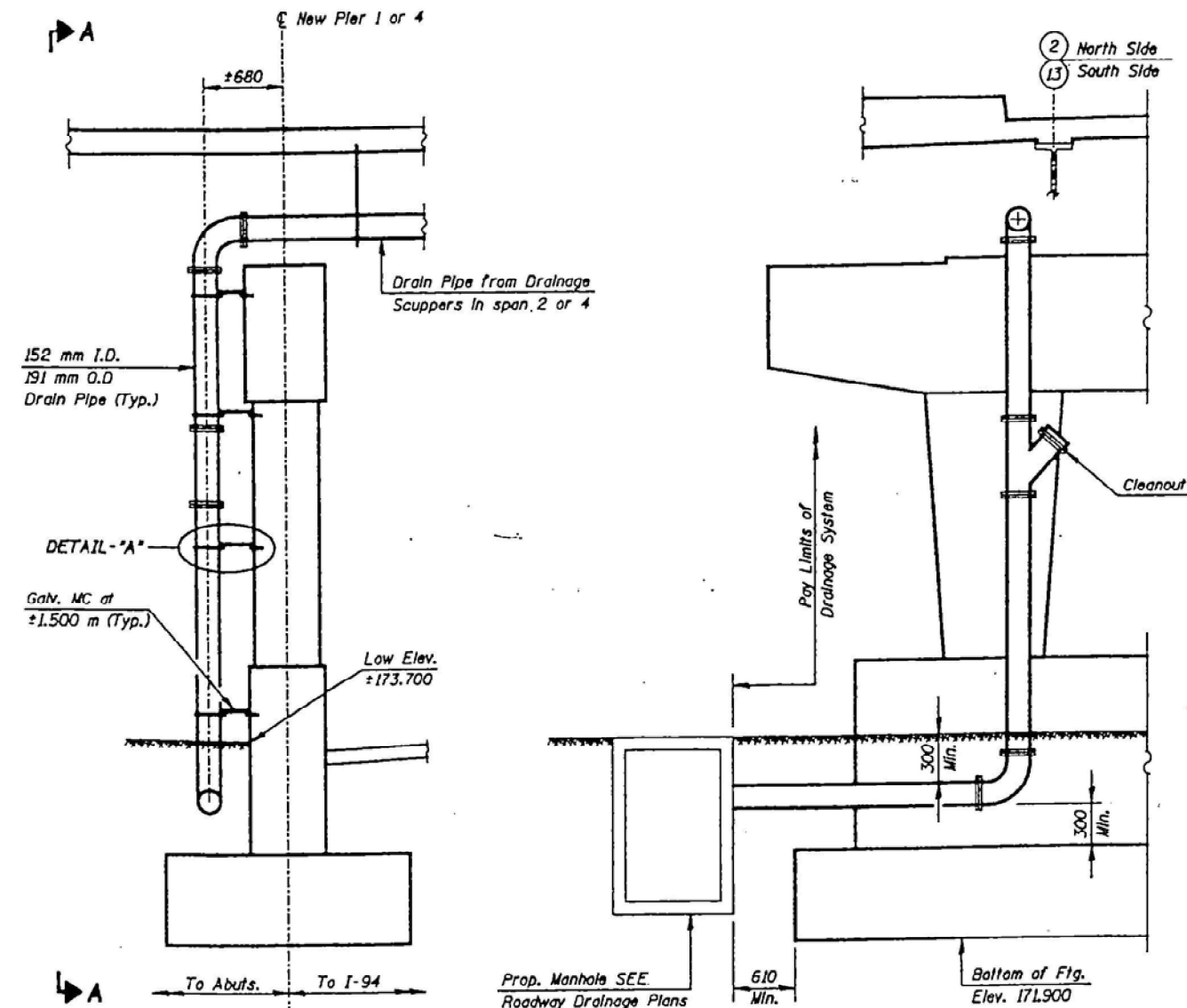
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 12 (SN 016-1145)
PLAN AND ELEVATION

SCALE: SHEET 30 OF 49 SHEETS STA. TO STA.

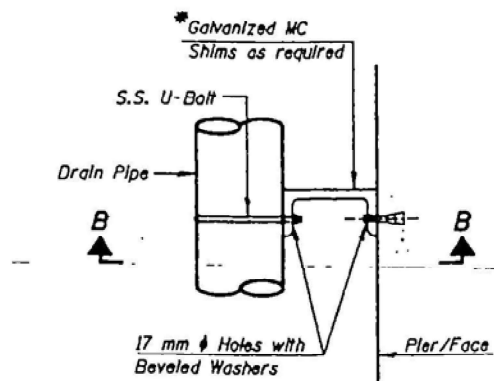
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	37
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

MODEL: Location 12 Sheet 1 (Sheet)
FILE NAME: c:\pwworking\hassan\1065265D\1065265-shr-plan.dgn

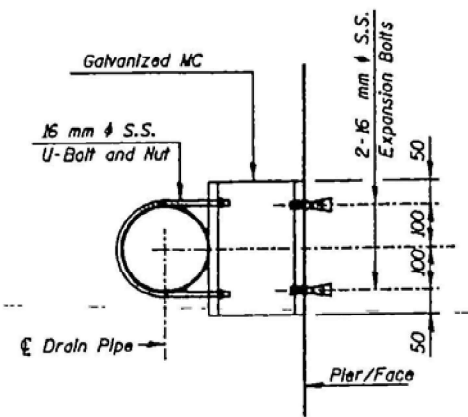


DRAINAGE SYSTEM AT NEW PIERS 1 & 4

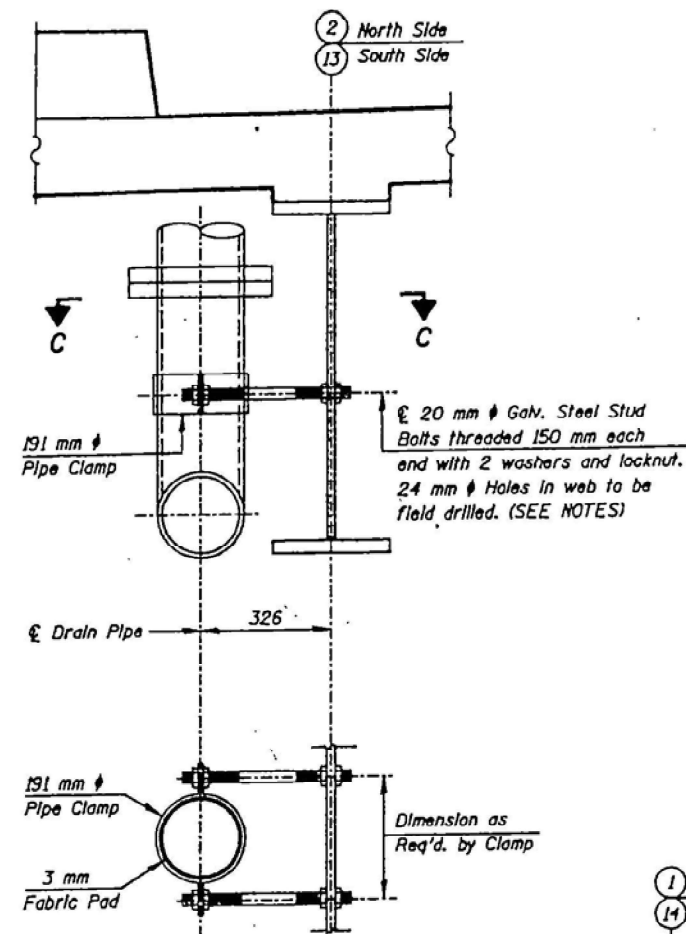
* MC 180x33.8 at Pier Cap & Crashwall
MC 250x42.4 at Pier Column



DETAIL - "A"

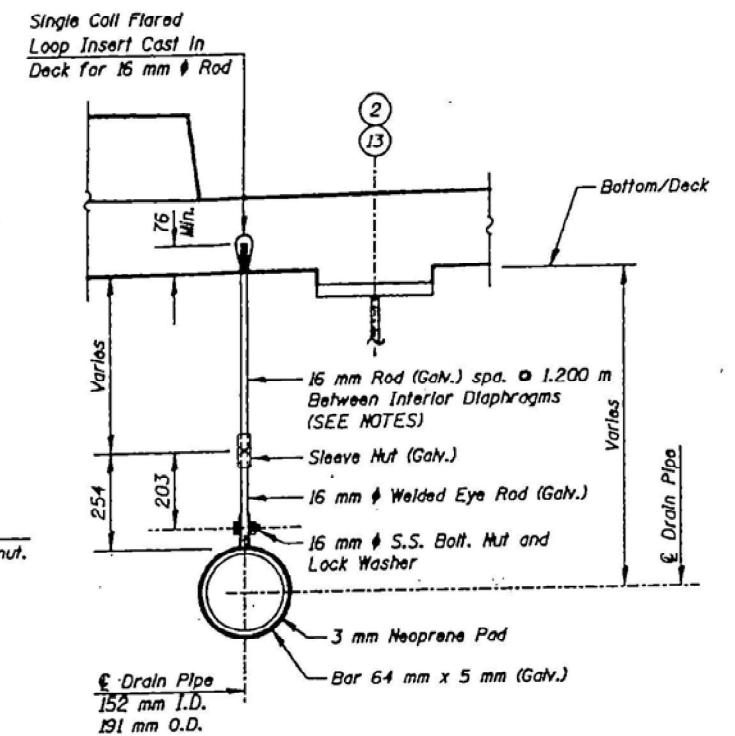


SECTION B-B

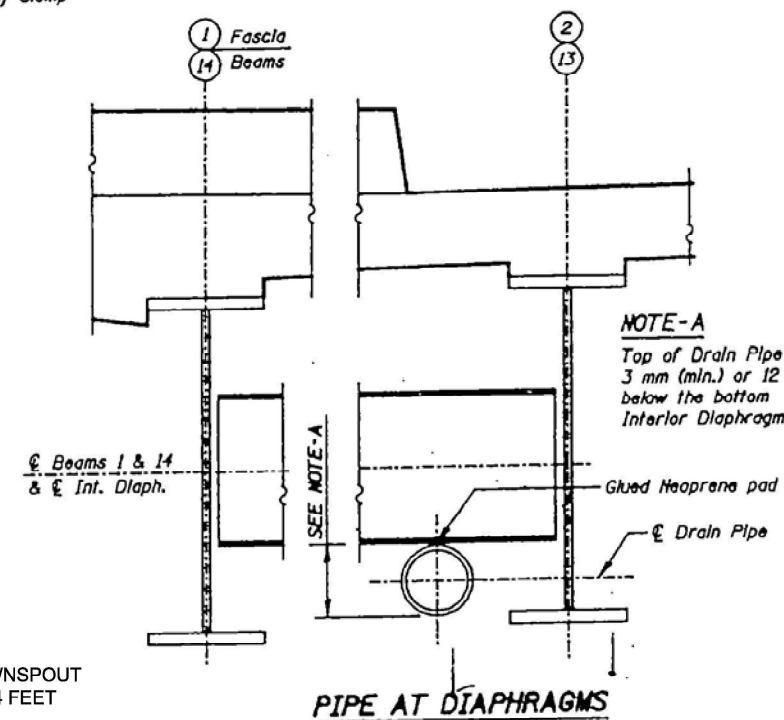


SECTION C-C

**VERTICAL PIPE
SUPPORT DETAIL**



**LONGITUDINAL PIPE
SUPPORT DETAIL**



NOTE-A
Top of Drain Pipe to be
3 mm (min.) or 12 mm (max.)
below the bottom of
Interior Diaphragms.



016-1145 PHOTO #1
NORTHWEST CORNER
OF BRIDGE
REPLACE BOTTOM OF DOWNSPOUT
AT NORTHWEST CORNER, 4 FEET

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION NO. 12 (SN 016-1145)
DRAINAGE DETAILS**

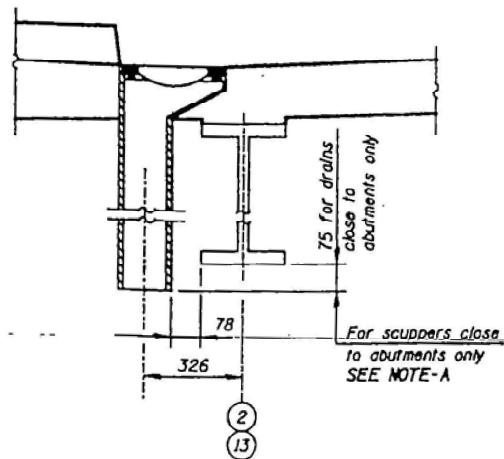
SCALE: SHEET 31 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	38
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

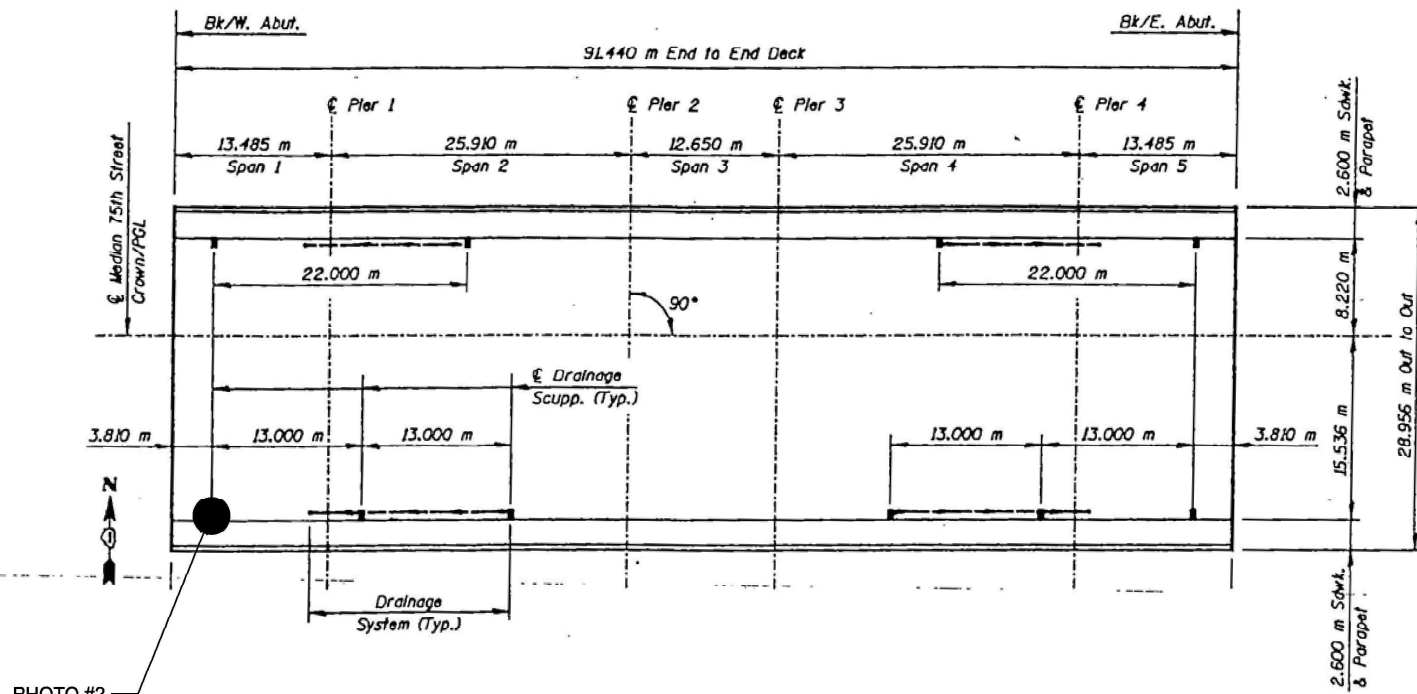
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	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -



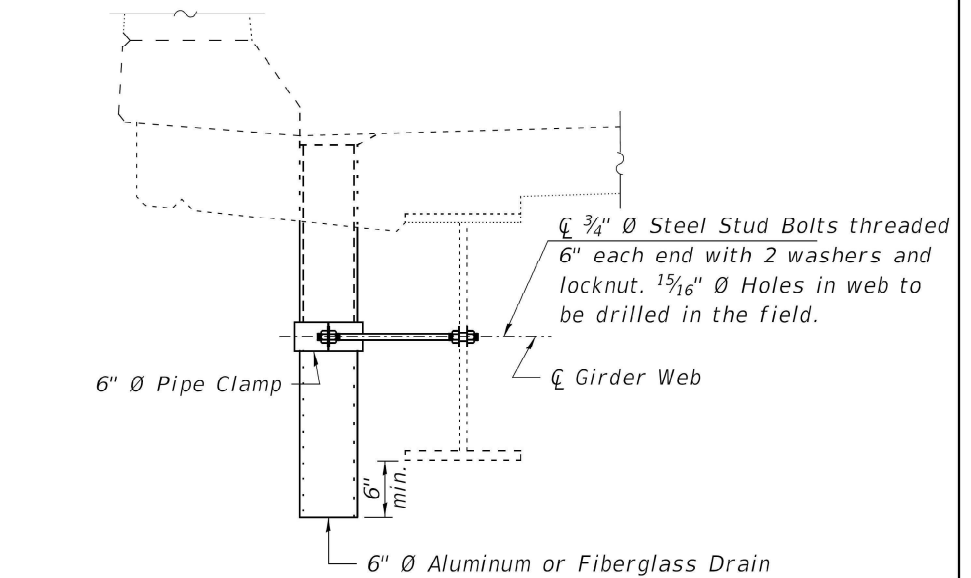
016-1145 PHOTO #2
SOUTHWEST CORNER
OF BRIDGE
EXTEND DRAINAGE PIPE TO 6 INCH BELOW
BOTTOM FLANGE - 2 FEET



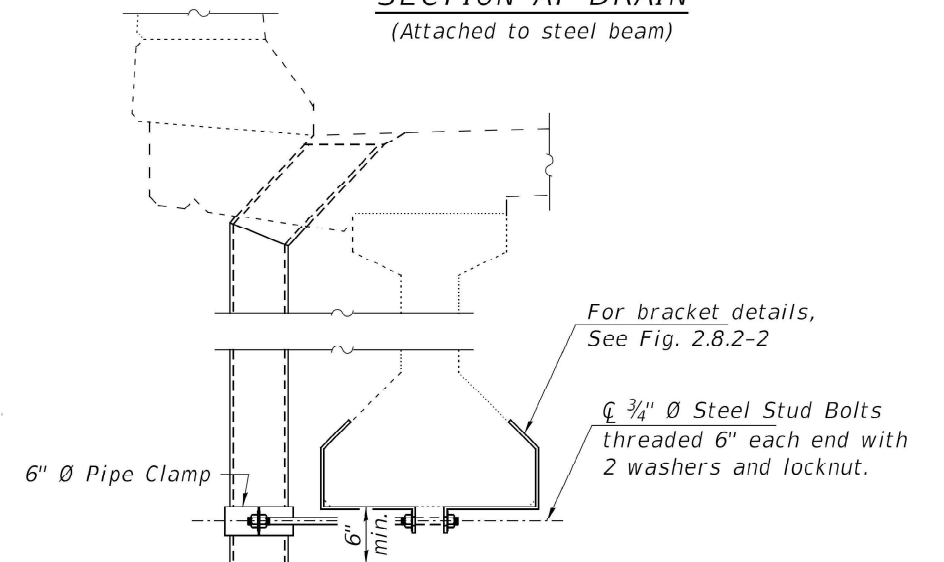
SECTION AT SCUPPERS



PLAN - DRAINAGE SCUPPER LOCATIONS



SECTION AT DRAIN
(Attached to steel beam)



SECTION AT DRAIN
(Attached to PPC I-beam)

MODEL: Location 12 Sheet 3 (Steel)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/28/2025	DATE -	REVISED -

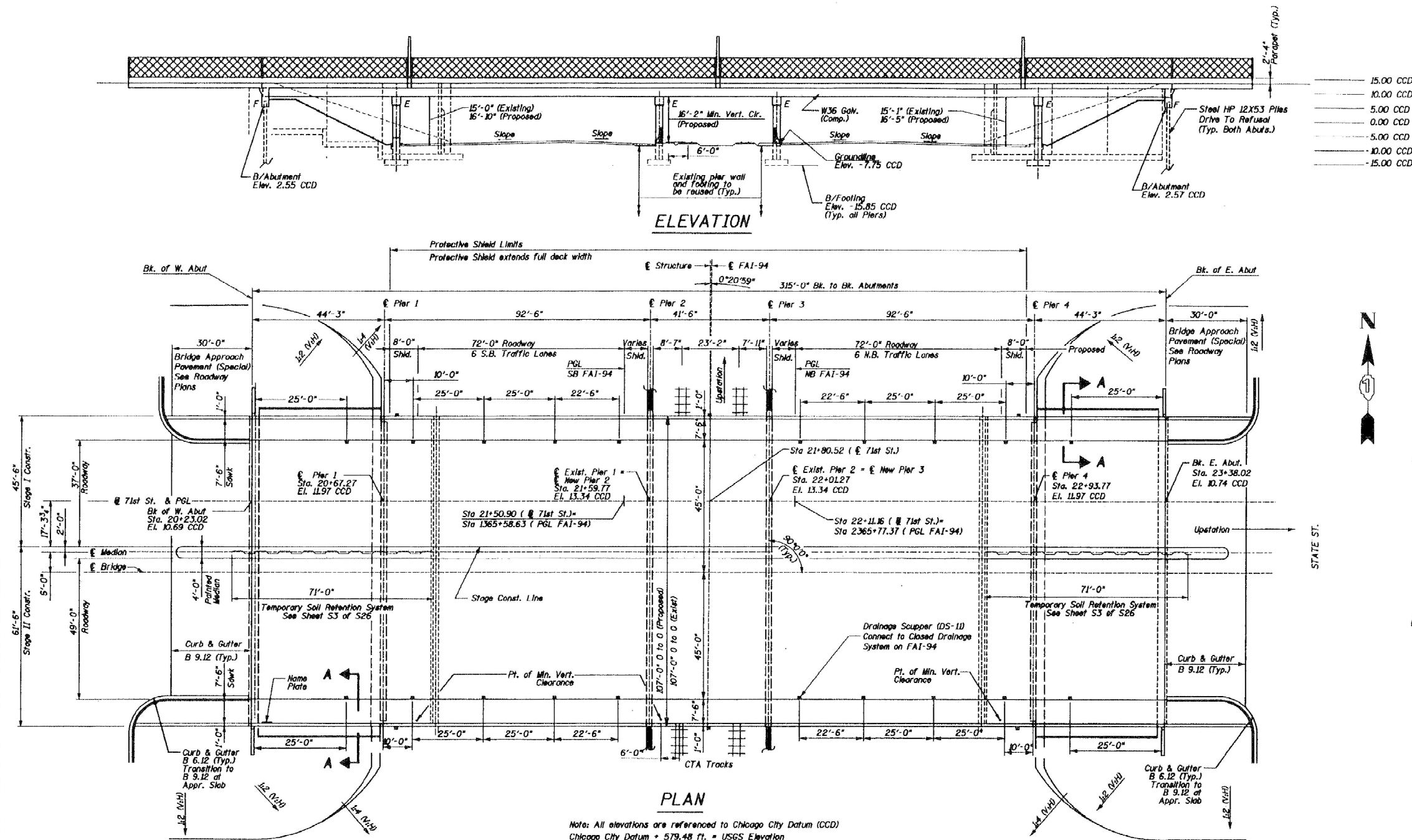
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 12 (SN 016-1145)
DRAINAGE EXTENSIONS

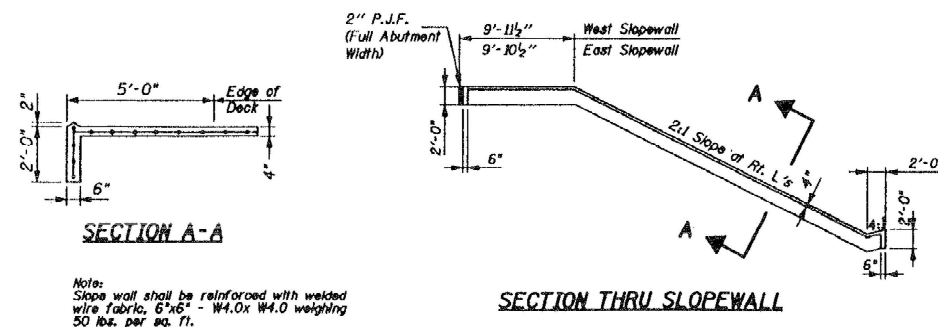
SCALE: SHEET 32 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	39
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

MODEL: Location 13 Sheet 1 (Sheet)
FILE NAME: c:\pwworking\hassan\1065285D-06525-sh-plan.dgn

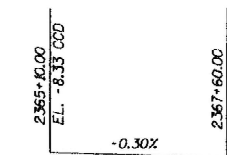


Note: All elevations are referenced to Chicago City Datum (CCD)
Chicago City Datum = 579.48 ft. = USGS Elevation

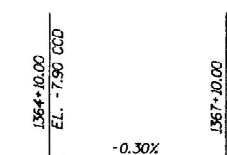


Note:
Slope wall shall be reinforced with welded
wire fabric, 6"x6" - W4.0x W4.0 weighing
50 lbs. per sq. ft.

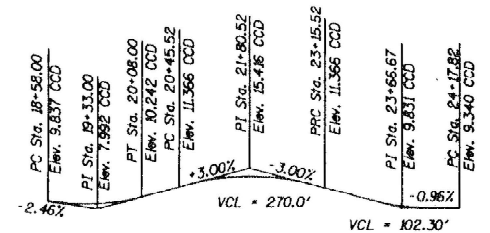
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10.00 CCD
5.00 CCD
0.00 CCD
5.00 CCD
10.00 CCD
15.00 CCD



PROFILE GRADE N.B.
NB F.A.I. - 94

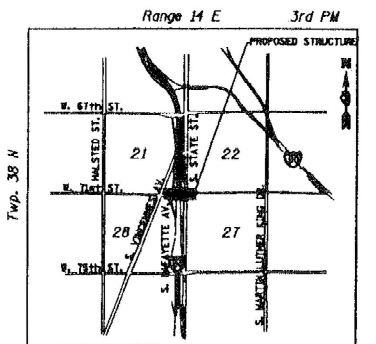


PROFILE GRADE S.B.
SB F.A.I. - 94



PROFILE GRADE
71st St.

PROFILE GRADE
RAIL - CTA



TOTAL BILL OF MATERIAL (SN 016-1146)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	8
CLEANING DRAINAGE SYSTEM	L SUM	0.05

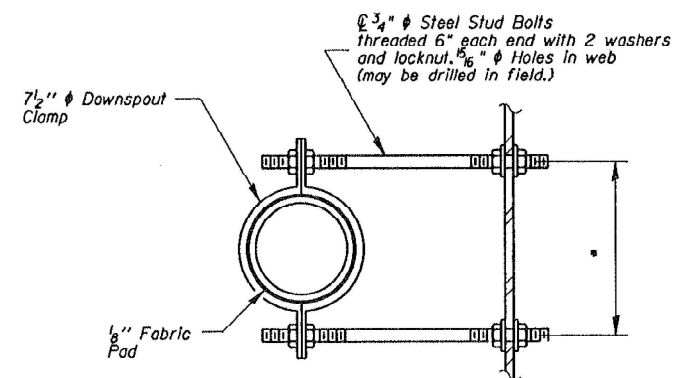
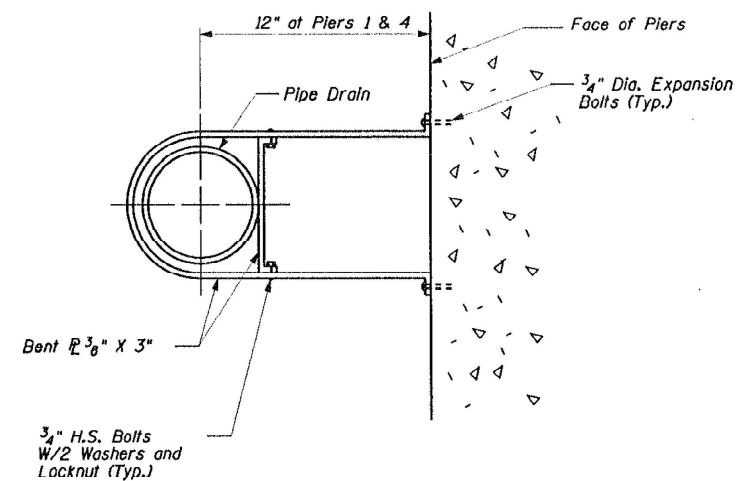
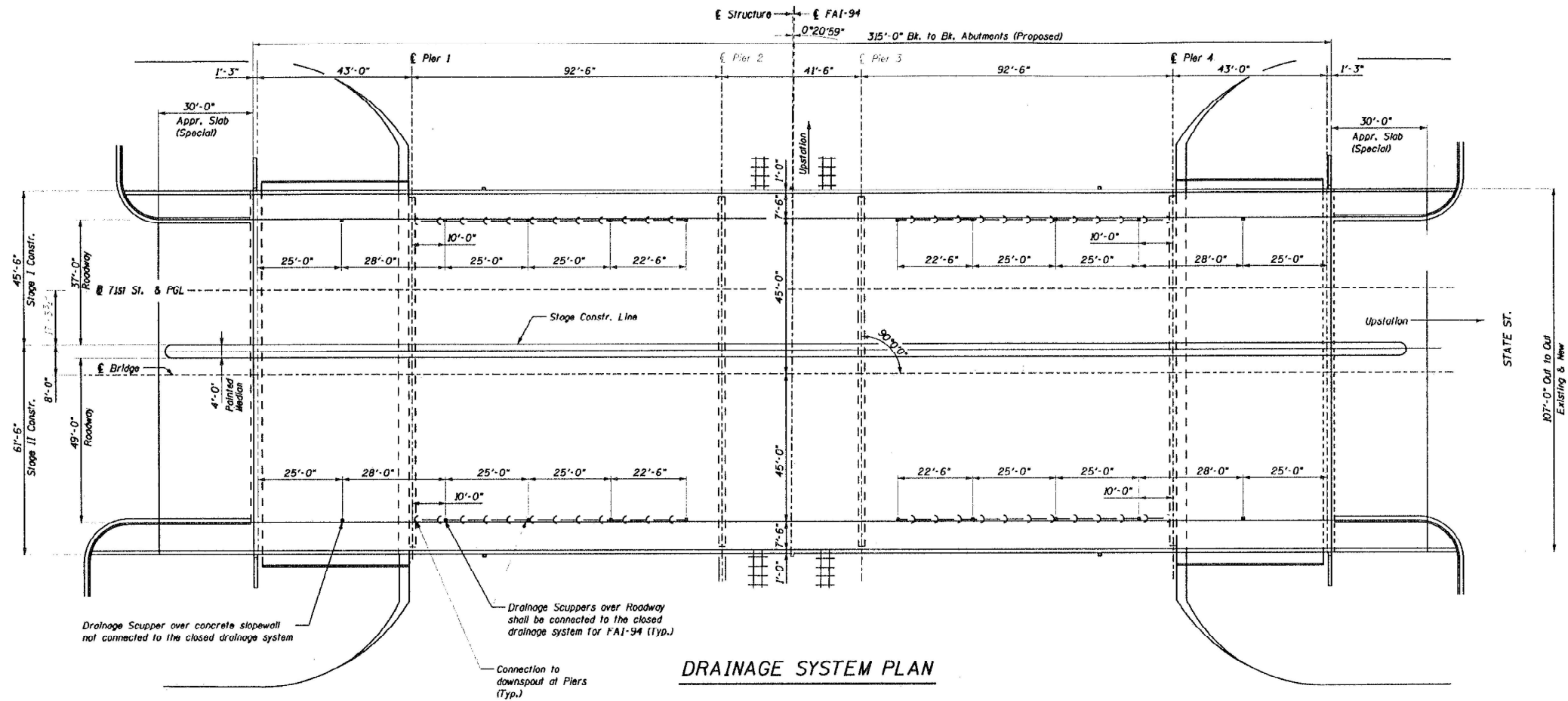
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

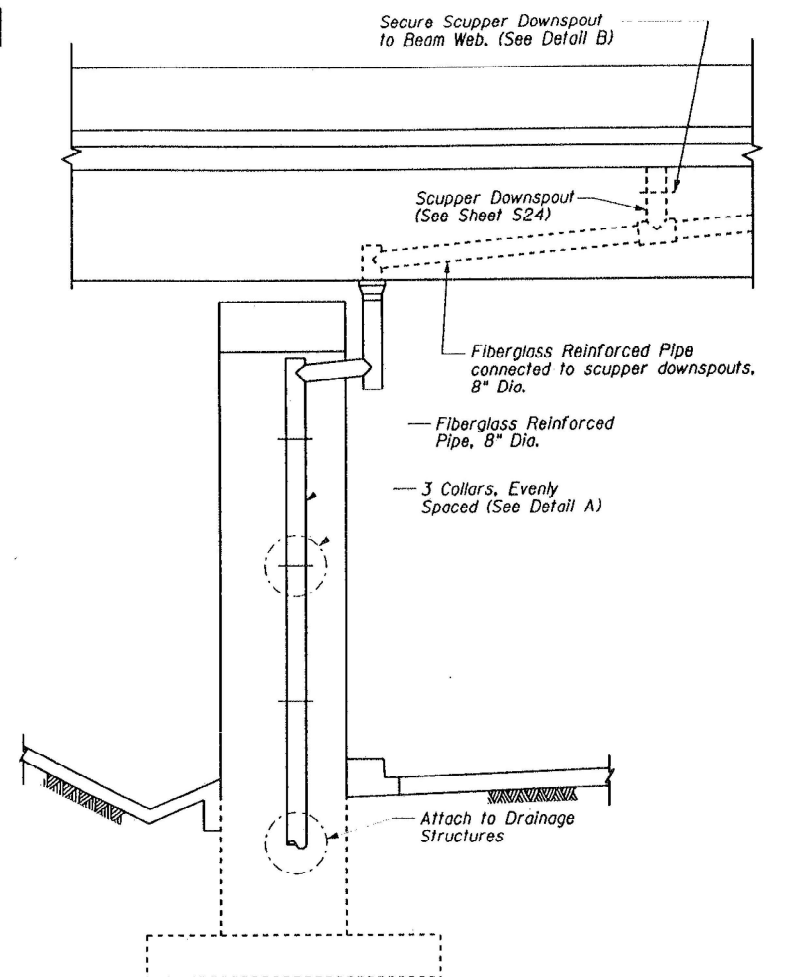
LOCATION NO. 13 (SN 016-1146)
PLAN AND ELEVATION

SCALE: SHEET 33 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	40
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



* Dimension as required by Downspout Clamp.



MODEL: Location 13 Sheet 2 (Steel)
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 13 (SN 016-1146)
DRAINAGE DETAILS

SCALE: SHEET 34 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	41
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



Proposed Structure

R. 12 E. 3rd P.M.

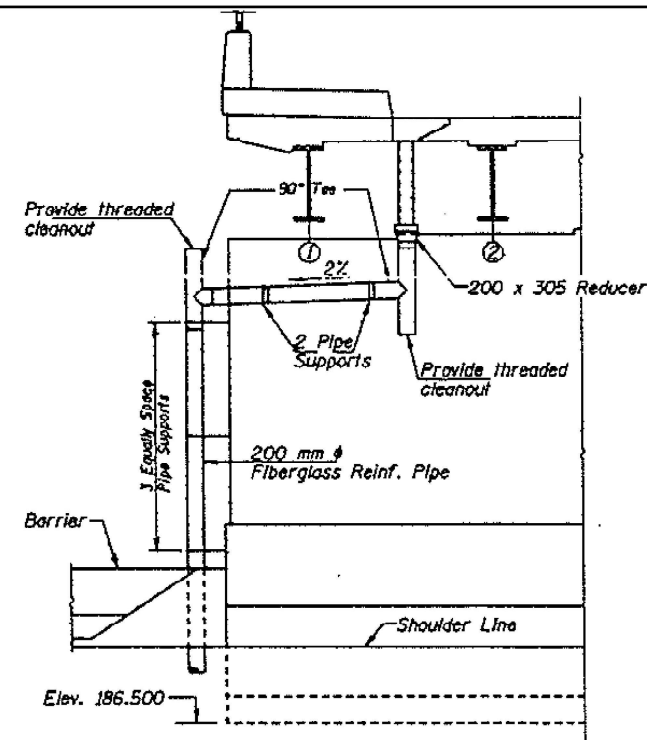
T. 39 N. 17 16 20 21

N. 1/4 290 N.E. 1/4 N.W. 1/4 S.E. 1/4 S.W. 1/4

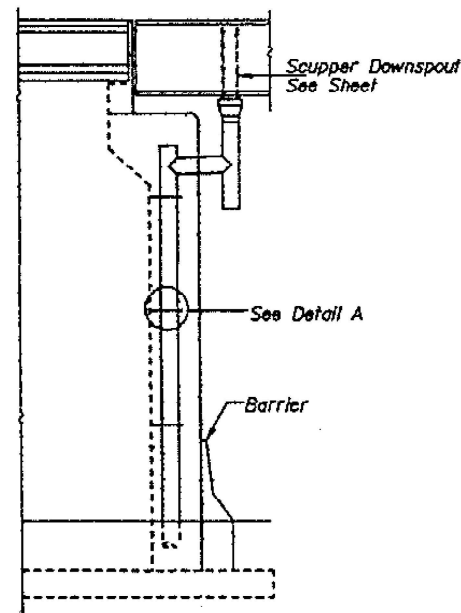
LOCATION SKETCH

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	42
		CONTRACT NO. 62X74		
		ILLINOIS FED. AID PROJECT		

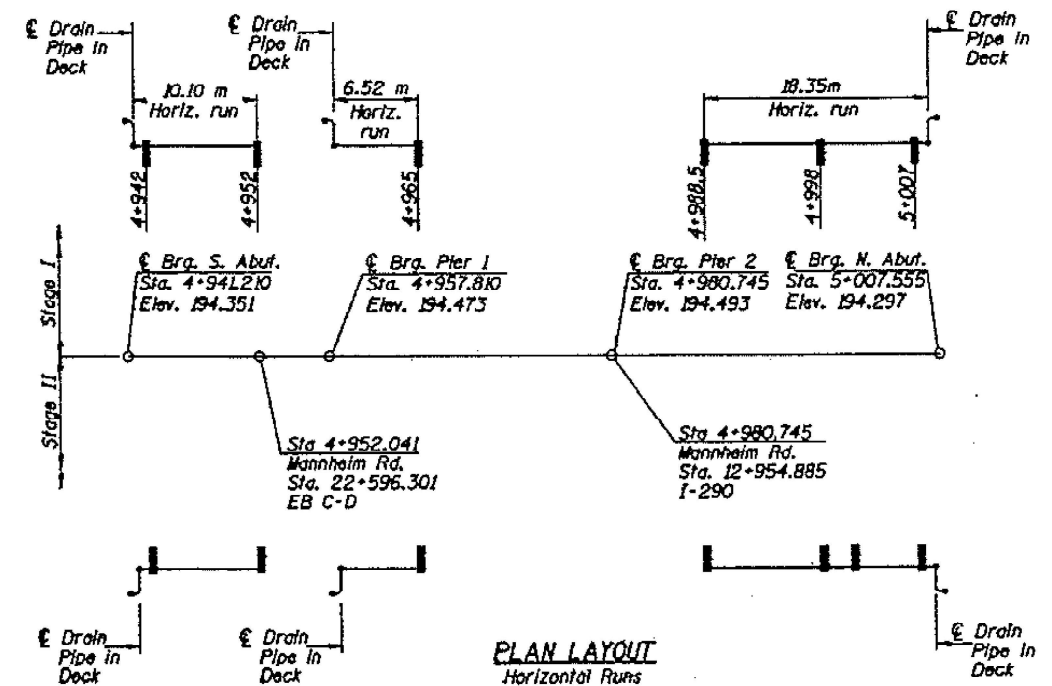
MODEL: Location 14 Sheet 1 [Sheet]
FILE NAME: c:\pw_work\pwl\hassanm\1065265\106525-sh1-plan.dgn



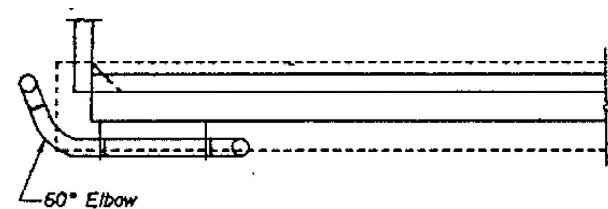
PARTIAL ABUTMENT ELEVATION
West portion of North Abutment shown (SB)
East portion of North Abutment Similar (NB)



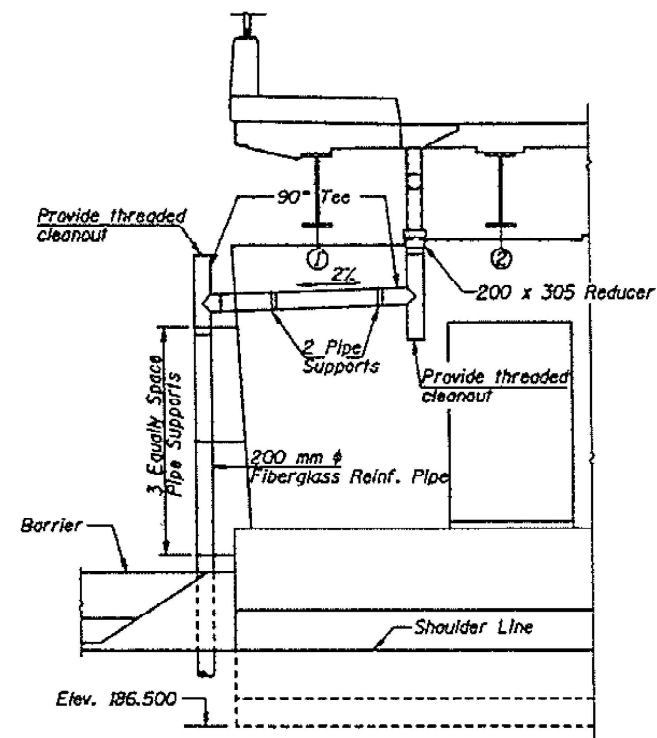
END VIEW
Shown at Abutment, Similar at Piers



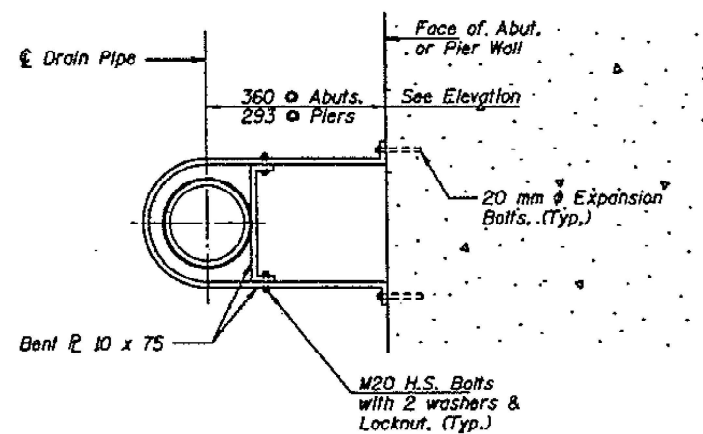
PLAN LAYOUT
Horizontal Runs



PLAN VIEW



PARTIAL PIER ELEVATION
West portion of Pier 1 shown (SB)
East portion of Pier 1 Similar (NB)



DETAIL A
Connection at Abutment and Pier



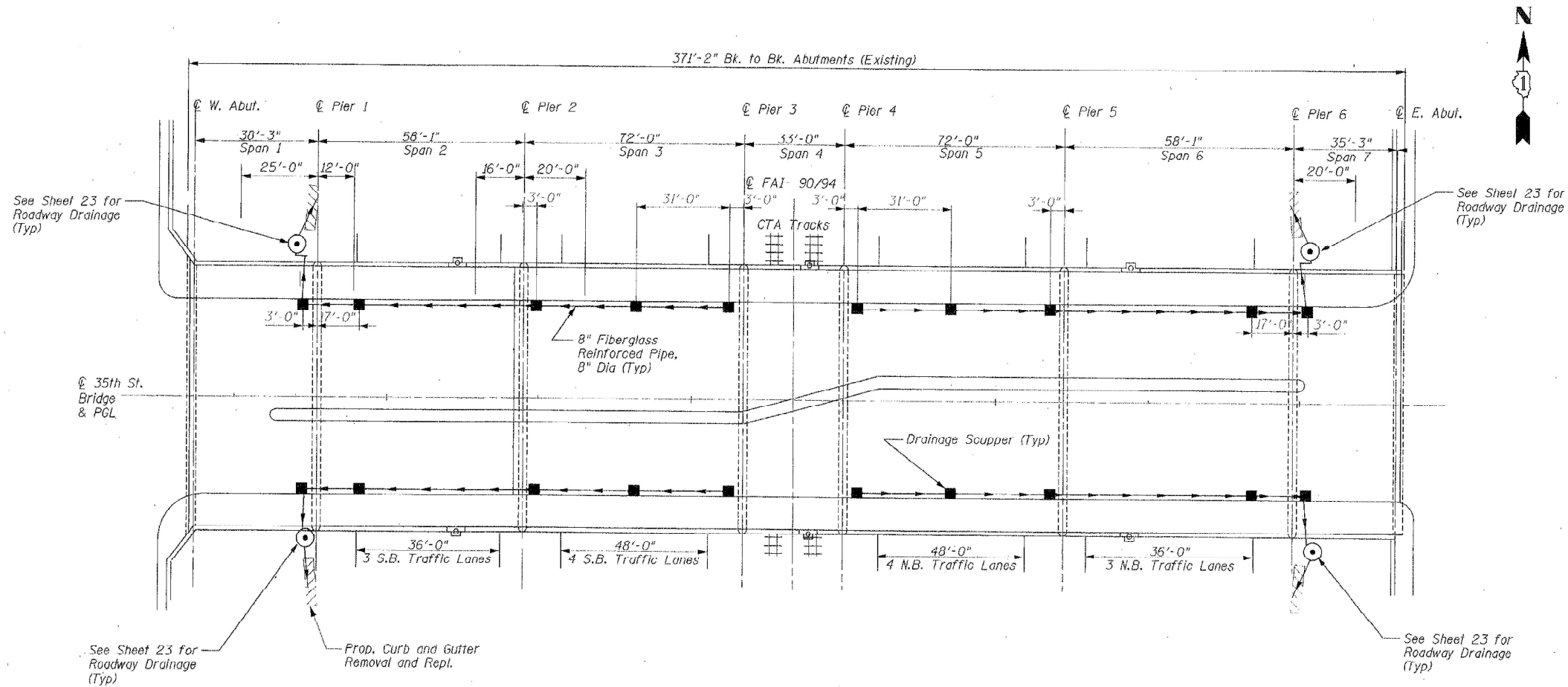
016-1151 PHOTO #2
PIER 4 NORTH END
REPLACE FROM LONGITUDINAL RUN
TO DOWNSPOUT, 12 FEET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

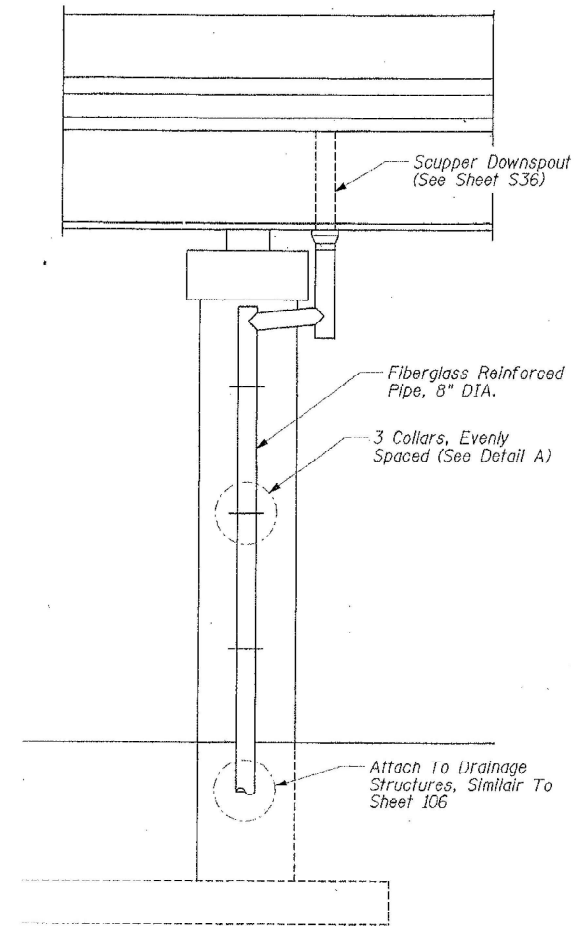
LOCATION NO. 14 (SN 016-1151)
DRAINAGE DETAILS

SCALE: SHEET 36 OF 49 SHEETS STA. TO STA.

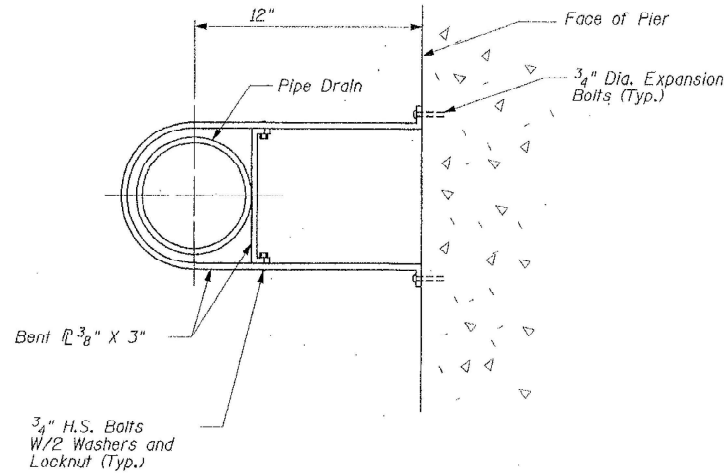
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	43
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



PLAN



END VIEW
At Pier



DETAIL A
Connection at Pier

TOTAL BILL OF MATERIAL (SN 016-1160)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	28
CLEANING DRAINAGE SYSTEM	L SUM	0.06

MODEL: Location 15 Sheet 1 (Sheet)
FILE NAME: c:\p\work\p\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 15 (SN 016-1160)
PLAN AND ELEVATION

SCALE: SHEET 37 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	44
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



016-1160 PHOTO #1
NORTH SIDE OF BRIDGE OVER S.B. LOCALS
REPLACE LONGITUDINAL SECTION (NORTH
SIDE OF BRIDGE OVER S.B. LOCALS), 24 FEET



016-1160 PHOTO #2
PIER 5 SOUTH EAST DRAINAGE (FURTHEST EAST)
MISSING PLUG AT BOTTOM, 1 FEET



016-1160 PHOTO #3
PIER 5 SOUTH EAST DRAINAGE (FURTHEST EAST)
MISSING PLUG AT BOTTOM



016-1160 PHOTO #4
PIER 5 NORTH END DRAINAGE (FURTHEST EAST)
MISSING PLUG AT BOTTOM, 1 FEET



016-1160 PHOTO #5
PIER 5 NORTH END DRAINAGE (FURTHEST EAST)
MISSING PLUG AT BOTTOM



016-1160 PHOTO #6
PIER 1 SOUTH END DRAINAGE (FURTHEST WEST)
MISSING PLUG AT BOTTOM & BROKEN CLAMP, 2 FEET



016-1160 PHOTO #7
PIER 1 SOUTH END DRAINAGE (FURTHEST WEST)
MISSING PLUG AT BOTTOM



016-1160 PHOTO #8
PIER 1 SOUTH END DRAINAGE (FURTHEST WEST)
BROKEN CLAMP

MODEL: Location 15 Sheet 2 [Sheet]
FILE NAME: c:\p\work\p\work\hassan\1065265D\1065265-shr-plan.dgn

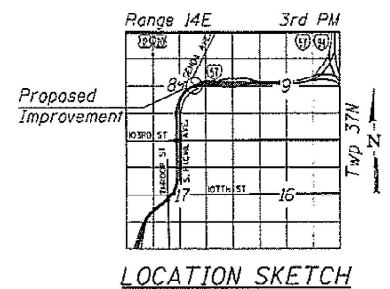
USER NAME	= naveed.hassan	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/28/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 15 (SN 016-1160)
PHOTO OF DAMAGED DRAINAGE SYSTEM

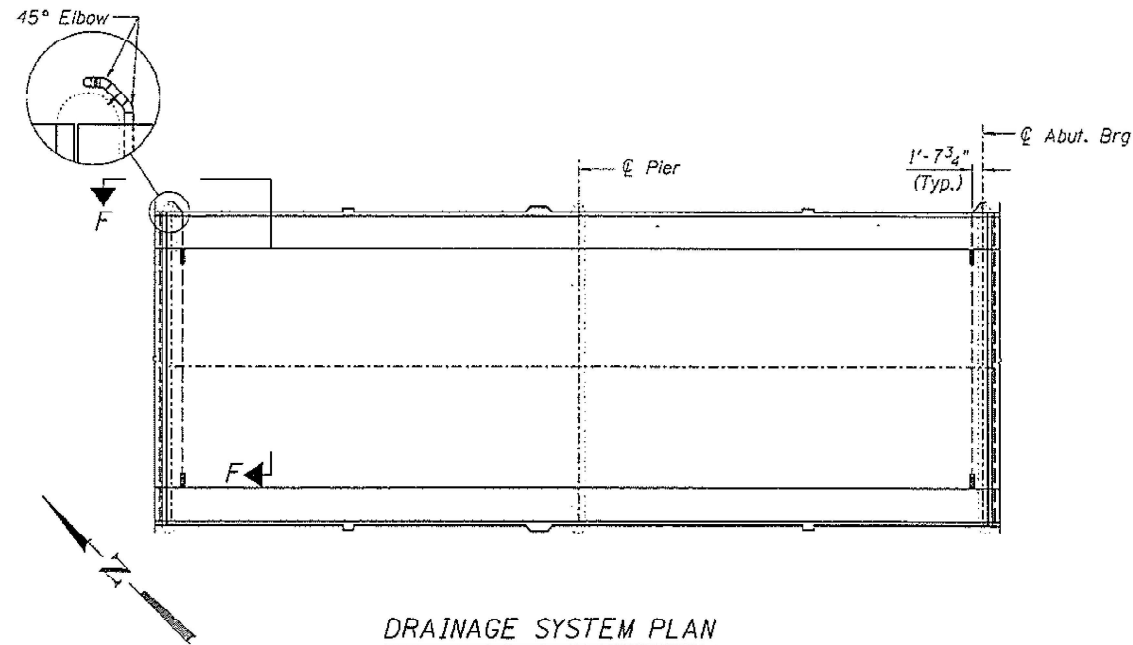
SCALE: SHEET 38 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	45
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

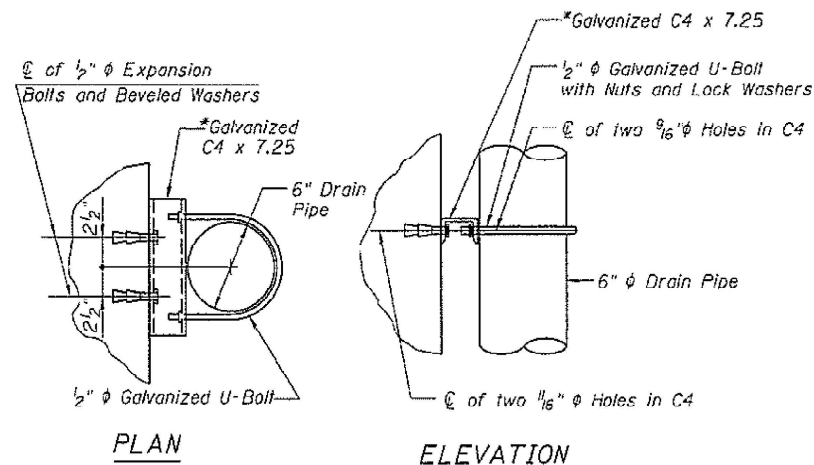


F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	46
		CONTRACT NO. 62X74		
ILLINOIS		FED. AID PROJECT		

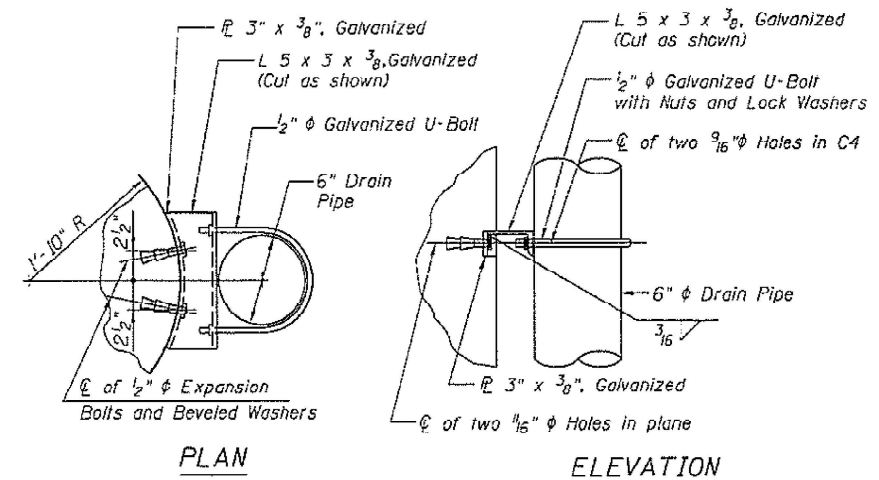
MODEL: Location 16 Sheet 1 [Sheet]
FILE NAME: c:\pw_work\pwid\thassam\1065265ID\1065265-sht-plan.dgn



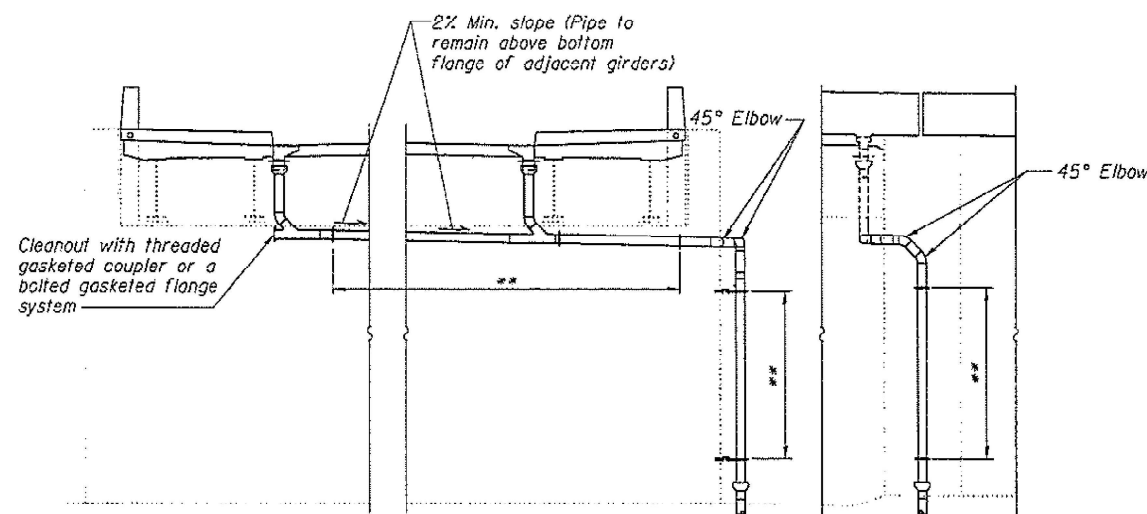
DRAINAGE SYSTEM PLAN



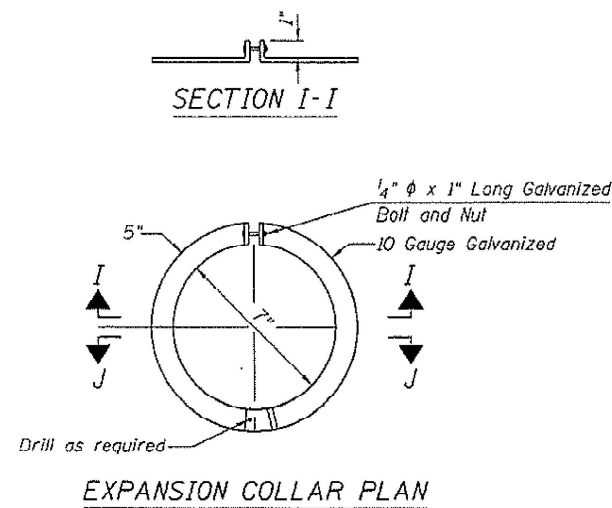
PIPE SUPPORT DETAIL
ON FLAT SURFACE



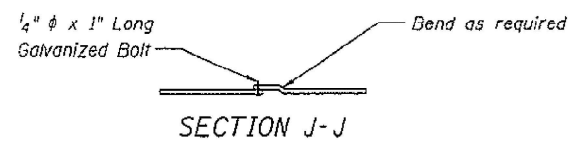
PIPE SUPPORT DETAIL
ON CURVED SURFACE



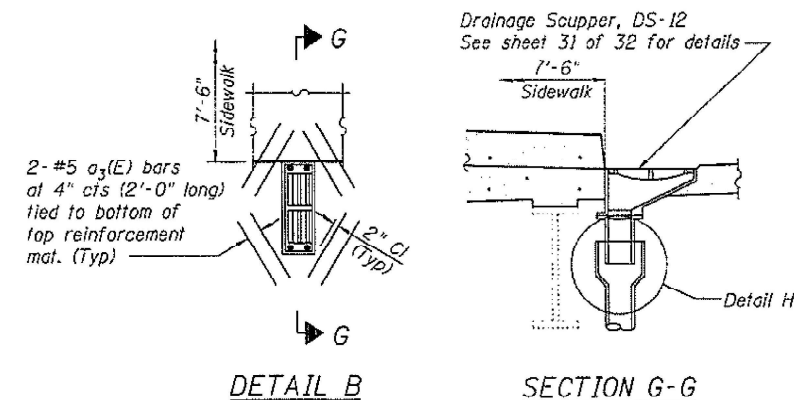
SECTION F-F



EXPANSION COLLAR PLAN

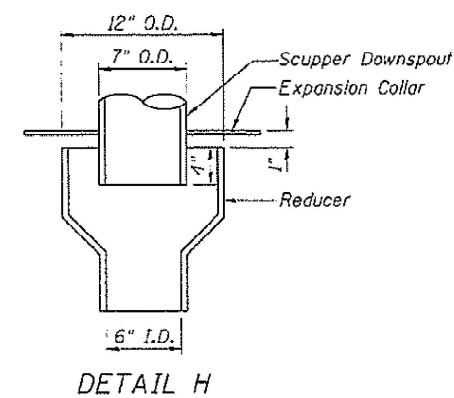


SECTION J-J



DETAIL B

SECTION G-G



DETAIL H

MODEL: Location 16 Sheet 2 (Sheet)
FILE NAME: c:\p\work\p\hassan\1065265D\1065265-shh-plan.dgn

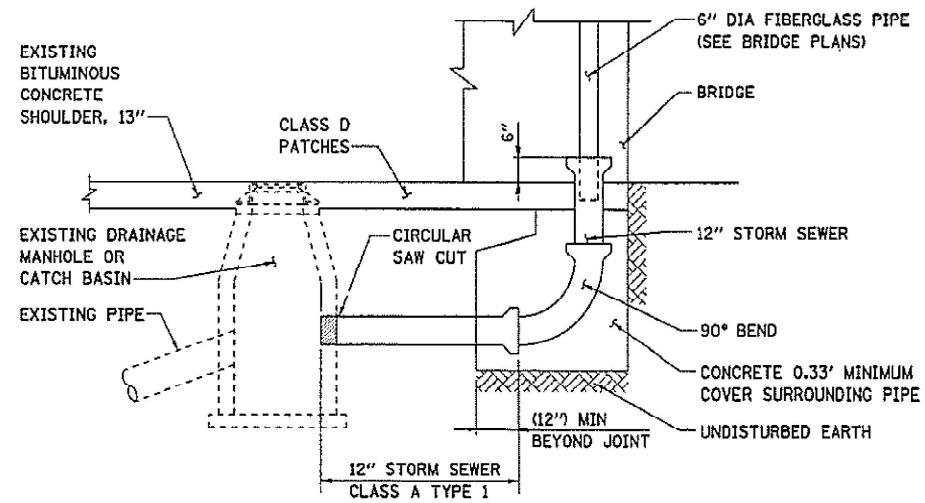
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION NO. 16 (SN 016-2030)
DRAINAGE DETAILS

SCALE: SHEET 40 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	47
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



DOWNSPOUT CONNECTION DETAIL



016-2030 PHOTO #1
NORTHWEST CORNER OF BRIDGE
REPLACE BOTTOM SECTION OF PIPE, 8 FEET

MODEL: Location 16 Sheet 3 (Sheet)
FILE NAME: c:\p\work\p16\hassan\1065265D\065265-sh3-plan.dgn

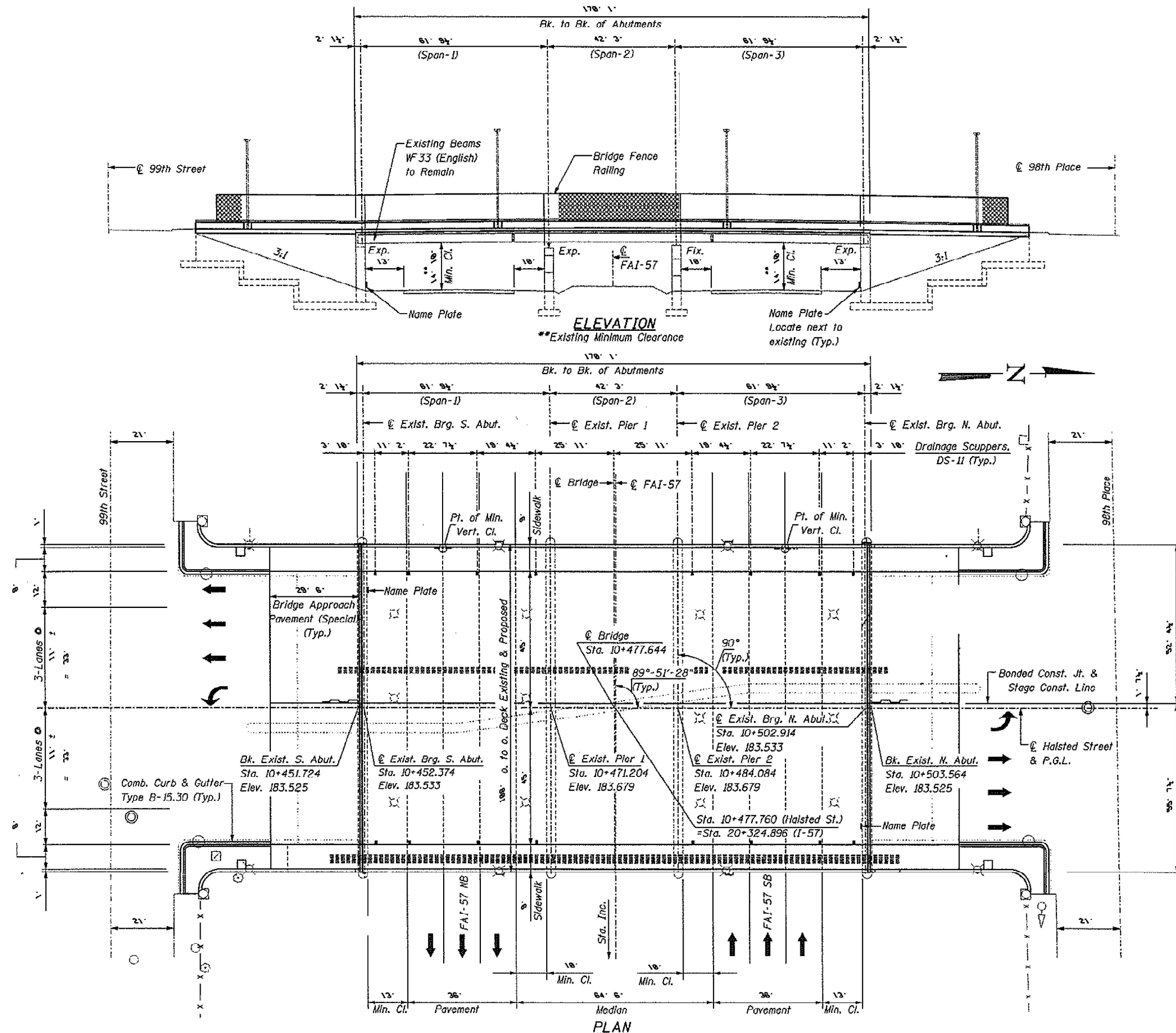
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION NO. 16 (SN 016-2030)
PHOTO OF DAMAGED DRAINAGE SYSTEM**

SCALE: SHEET 41 OF 49 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	48
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



TOTAL BILL OF MATERIAL (SN 016-2036)

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	4
CLEANING DRAINAGE SYSTEM	L SUM	0.06

USER NAME = naved.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/25/2025	DATE -	REVISED -

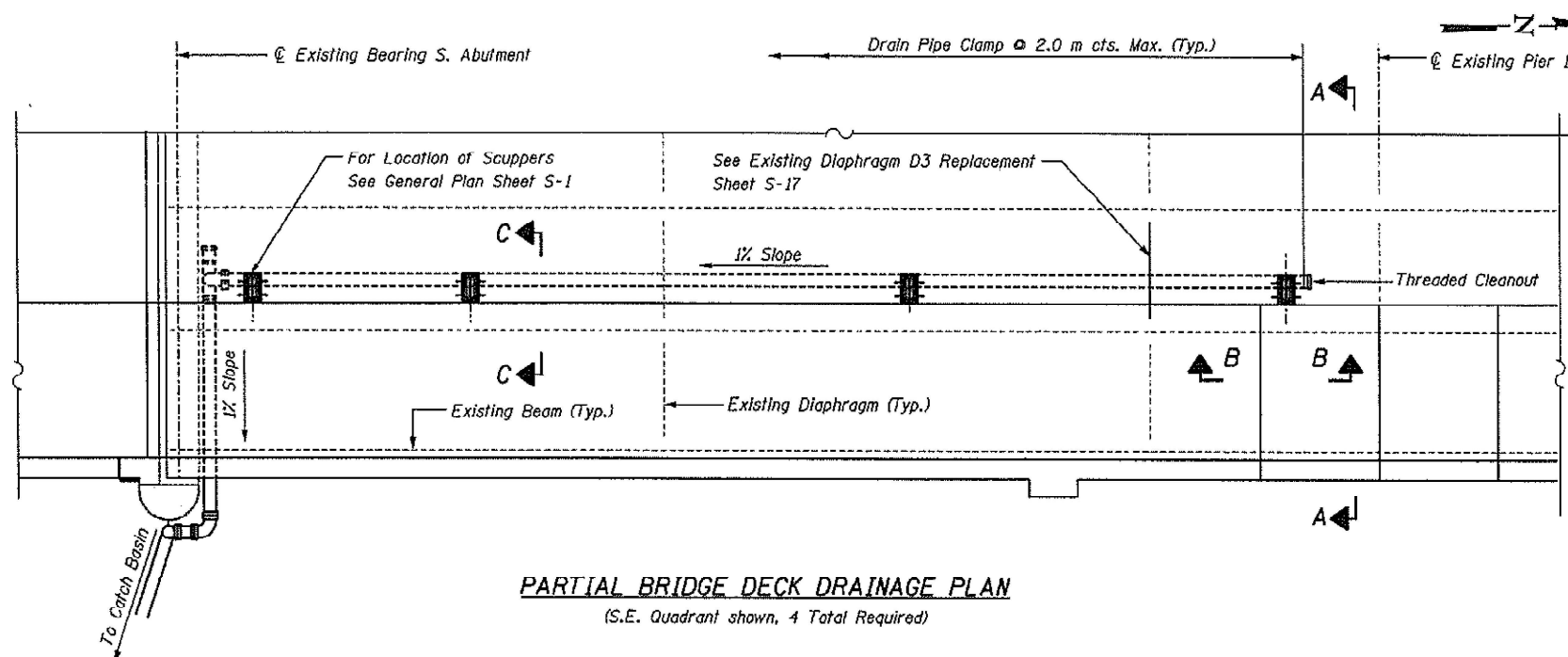
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION 17 (SN 016-2036)
PLAN AND ELEVATION**

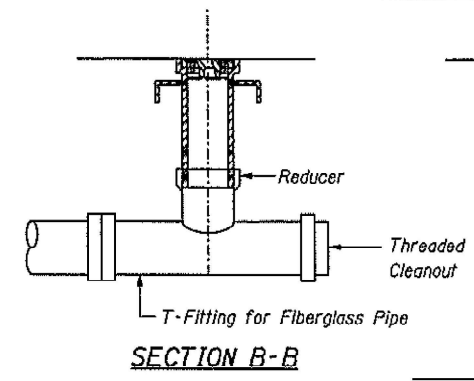
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	49
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

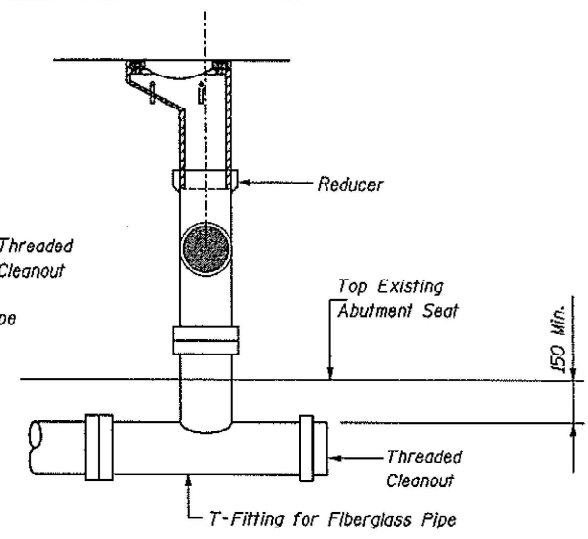
MODEL: Location 17 Sheet 1 (Steel)
FILE NAME: c:\p\work\p\hassan\1065265D\1065265-shh-plan.dgn



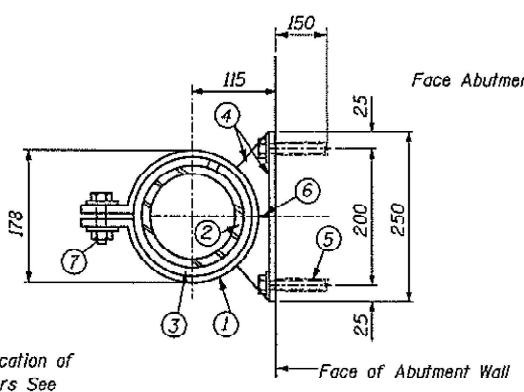
PARTIAL BRIDGE DECK DRAINAGE PLAN
(S.E. Quadrant shown, 4 Total Required)



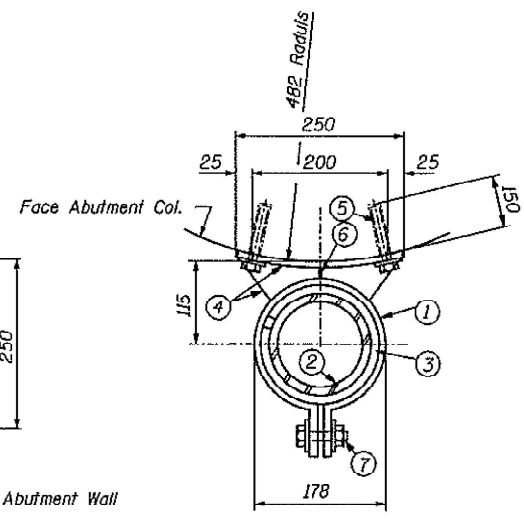
SECTION B-B



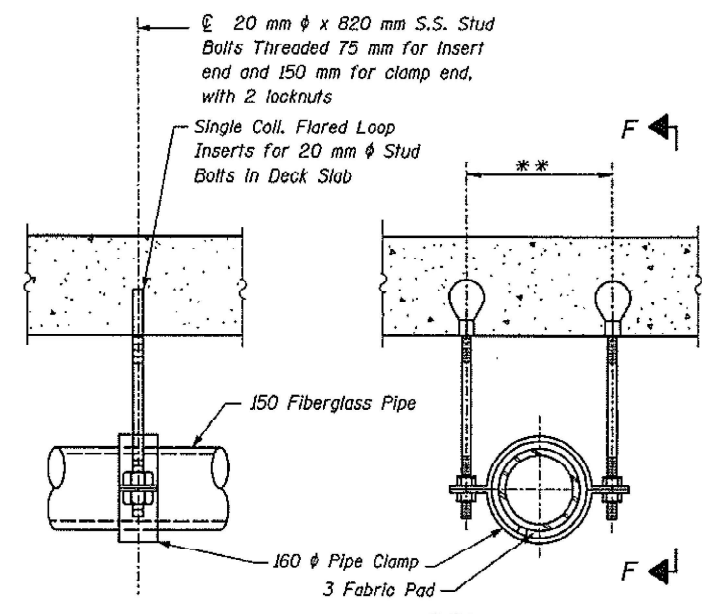
SECTION C-C



**SECTION D-D
PIPE CLAMP DETAILS
MOUNTED ON
EXISTING CONCRETE**

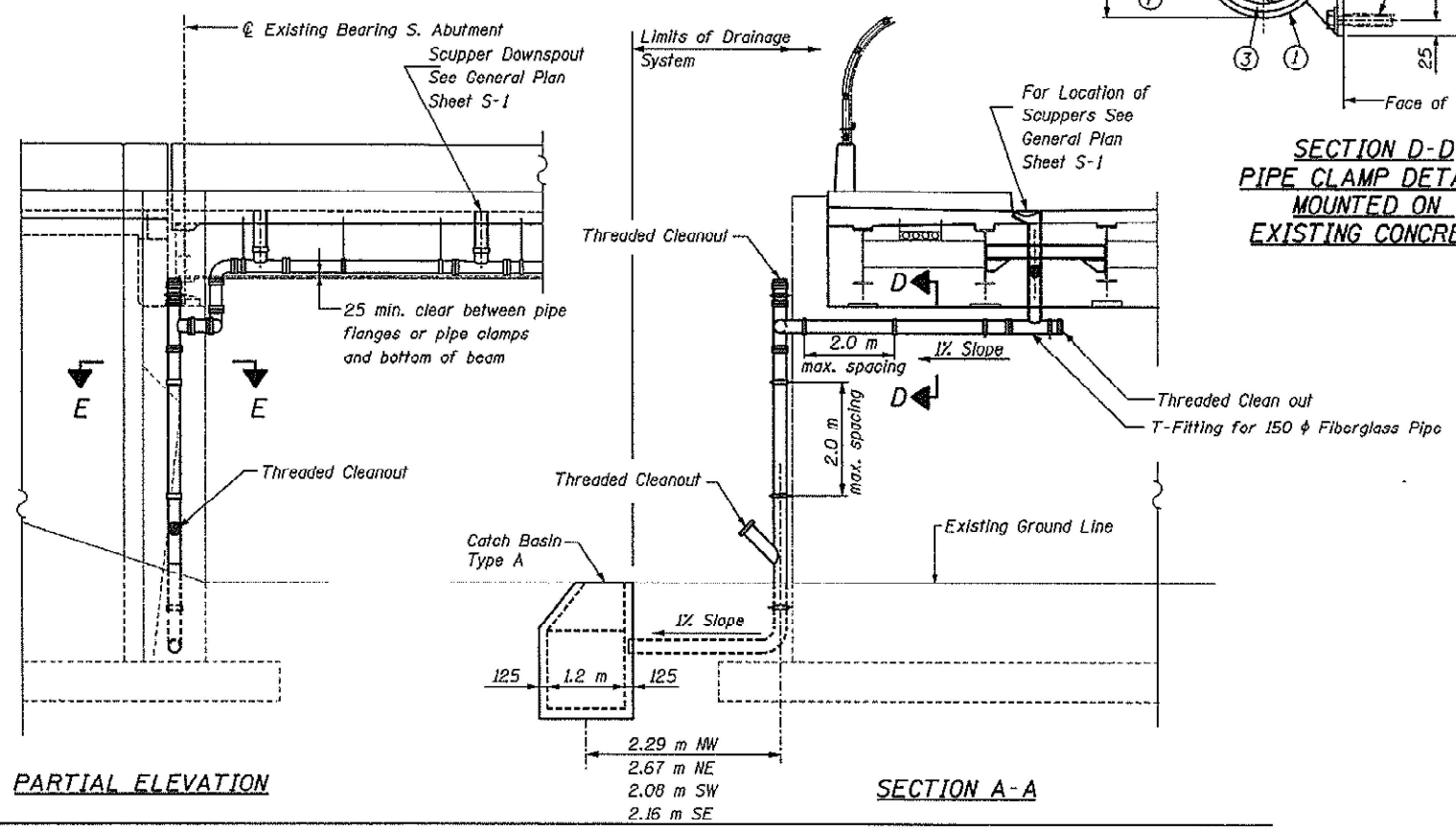


**SECTION E-E
PIPE CLAMP DETAILS
MOUNTED ON
EXISTING CONCRETE**



SECTION F-F

**PIPE CLAMP DETAILS
UNDER BRIDGE DECK**



PARTIAL ELEVATION

SECTION A-A



016-2036 PHOTO #1
SOUTH ABUTMENT EAST CORNER
REPLACE LONGITUDINAL SECTION, 4 FEET

MODEL: Location 17 Sheet 2 (Sheet)
FILE NAME: c:\pwworking\hassan\1065265D\065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION NO. 17 (SN 016-2036)
DRAINAGE DETAILS**

SCALE: SHEET 43 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	50
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



Proposed Structure

R. 12 E. 3rd P.M.

T. 39 N.

N. 20

LOCATION SKETCH

ITEM	UNIT	QUANTITY
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	18
CLEANING DRAINAGE SYSTEM	L SUM	0.06

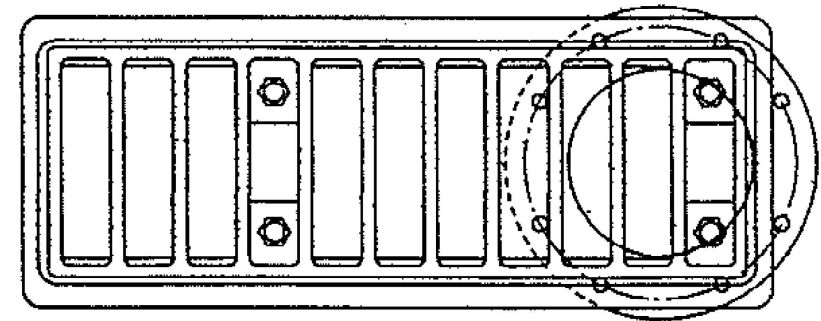
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

LOCATION NO. 18 (SN 016-2760)
PLAN AND ELEVATION

SCALE:	SHEET 44	OF 49	SHEETS	STA.	TO STA.
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F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	51
CONTRACT NO. 62X74				
ILLINOIS		FED. AID PROJECT		

MODEL: Location 18 Sheet 1 [Sheet]
FILE NAME: c:\pw_work\pwt\hassam\1065265ID106525-sht-plan.dgn



Technical drawing of a mechanical part, likely a bracket or support, showing front and side views with dimensions in millimeters.

Front View Dimensions:

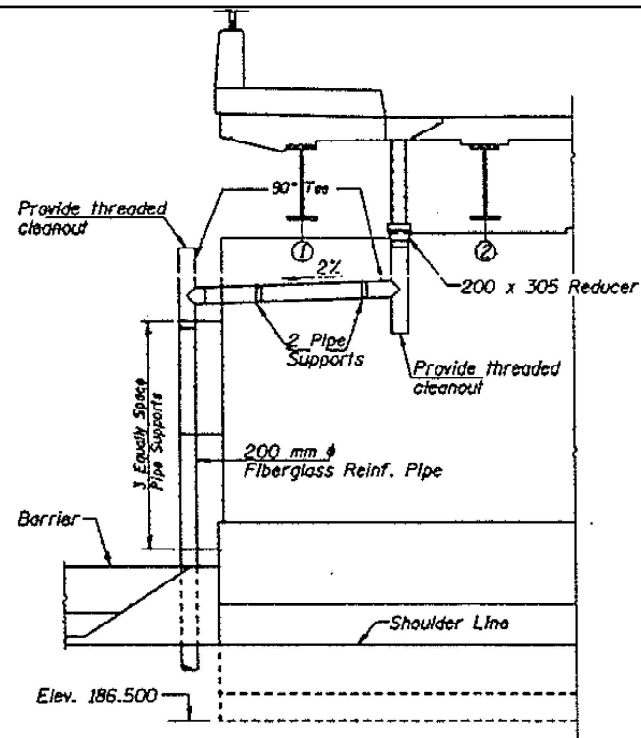
- Overall width: 610
- Distance from left edge to center of slot: 584
- Distance from right edge to center of slot: 508
- Slot width: 76
- Distance from left edge to center of slot: 190
- Distance from right edge to center of slot: 356
- Slot depth: 38
- Distance from left edge to center of slot: 51
- Distance from right edge to center of slot: 52
- Overall height: 349
- Distance from bottom edge to center of slot: 152
- Distance from bottom edge to center of slot: 222
- Distance from bottom edge to center of slot: 254

Side View Dimensions:

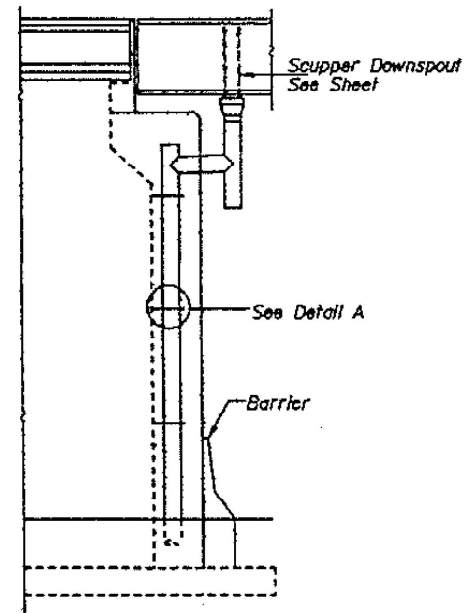
- Overall height: 89
- Distance from top edge to center of slot: 76
- Distance from top edge to center of slot: 32
- Distance from top edge to center of slot: 19
- Distance from bottom edge to center of slot: 25
- Distance from bottom edge to center of slot: 19
- Distance from bottom edge to center of slot: 32

Technical drawing of a rectangular box. The top view shows a width of 235 (outer), 197 (inner), and 19 (flange). The side view shows a height of 349. The top flange height is 22. The inner height is 152. The side flange height is 22. The drawing includes a top view and a side view.

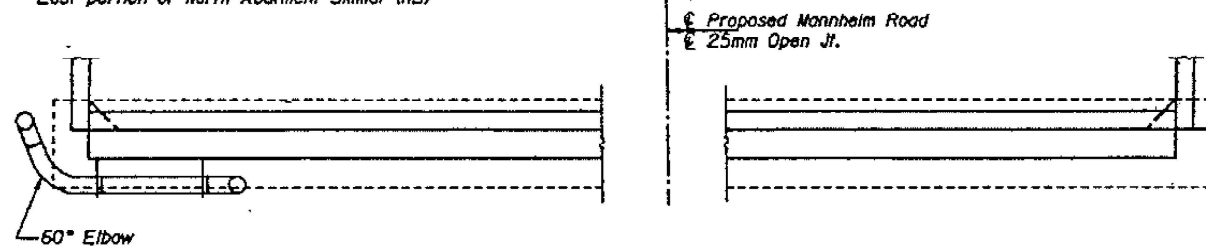
Drill & Tap Frame Flange (8)
 12 - 2 mm/thread, (6) places thus
 (2) places 32 deep for
 M12 Bolt - 2 x 38 Galvanized
 Steel Cop screws & Washers



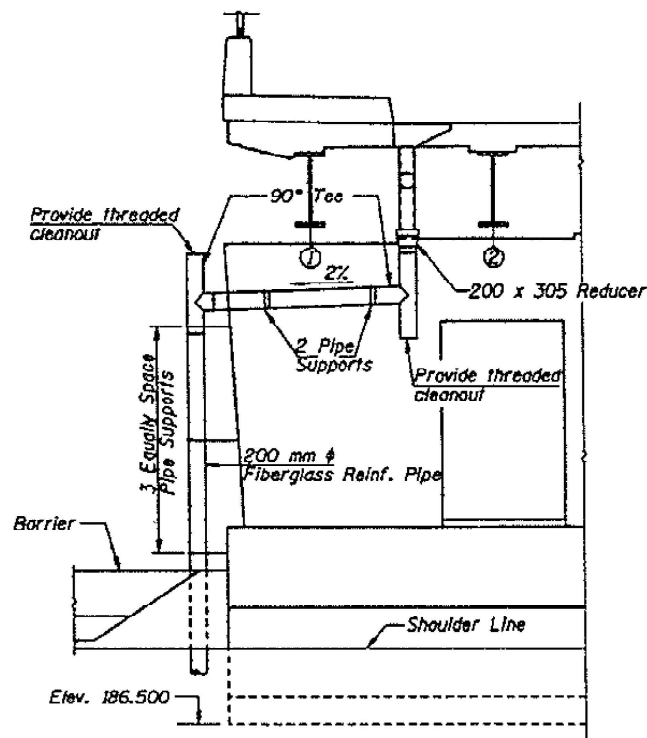
PARTIAL ABUTMENT ELEVATION
West portion of North Abutment shown (SB)
East portion of North Abutment Similar (NB)



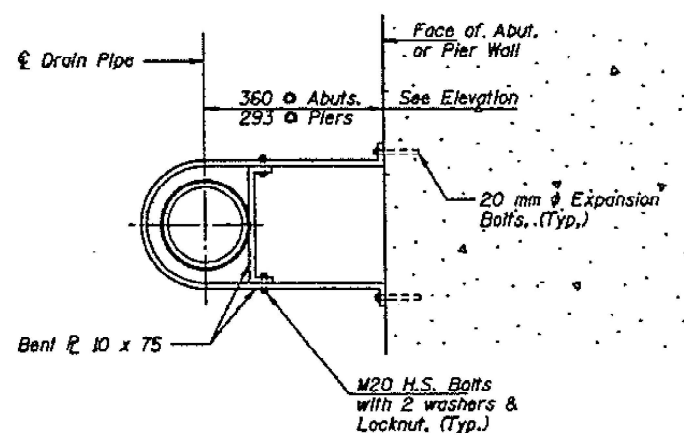
END VIEW
Shown at Abutment, Similar at Piers



PLAN VIEW



PARTIAL PIER ELEVATION
West portion of Pier 1 shown (SB)
East portion of Pier 1 Similar (NB)



DETAIL A
Connection at Abutment and Pier



016-2760 PHOTO #1
PIER 1 WEST END
REPLACE DRAIN PIPE CONNECTION
TO INLET, 8 FEET

MODEL: Location 18 Sheet 3 (Sheet)
FILE NAME: c:\p\work\p18\hassan\1065265D-1065265-shr-plan.dgn

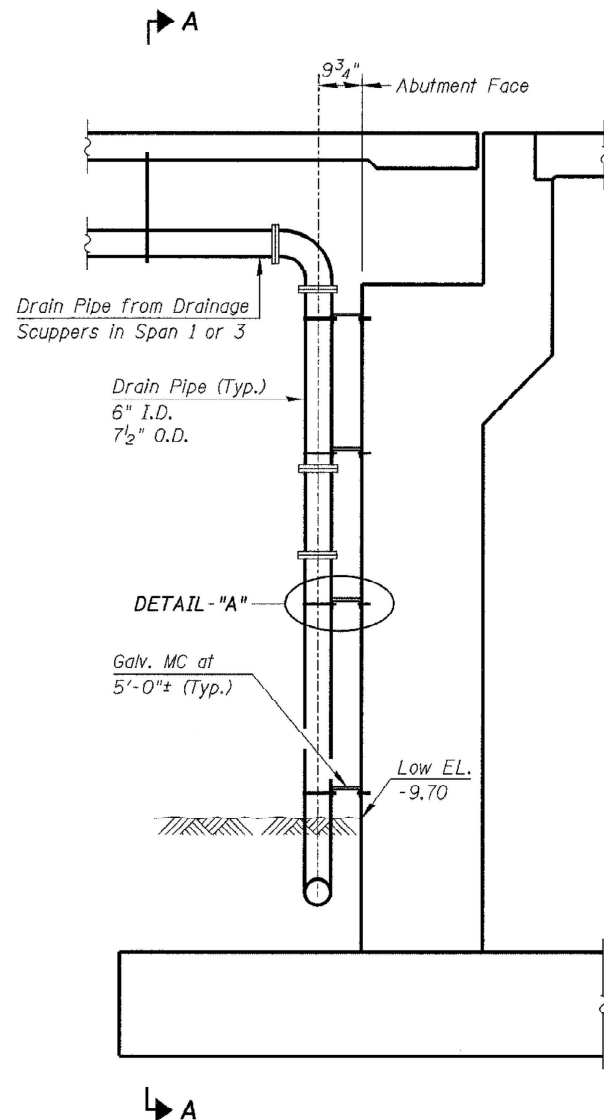
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

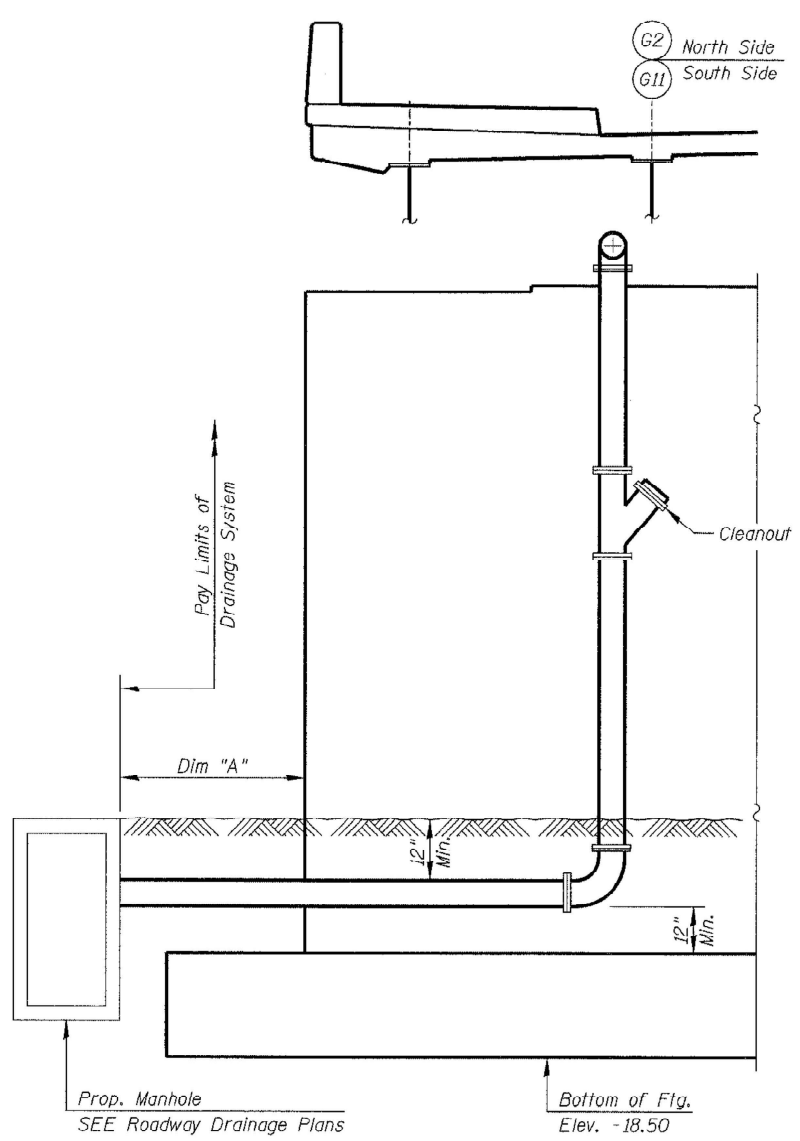
LOCATION NO. 18 (SN 016-2760)
DRAINAGE DETAILS

SCALE: SHEET 46 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	53
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				

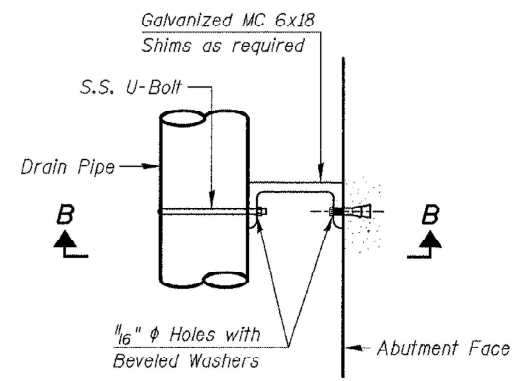


DRAINAGE SYSTEM AT ABUTMENTS

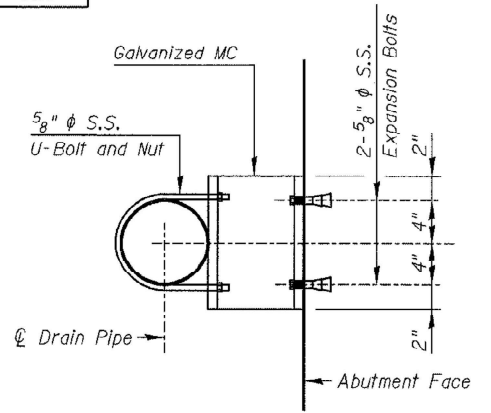


SECTION A-A

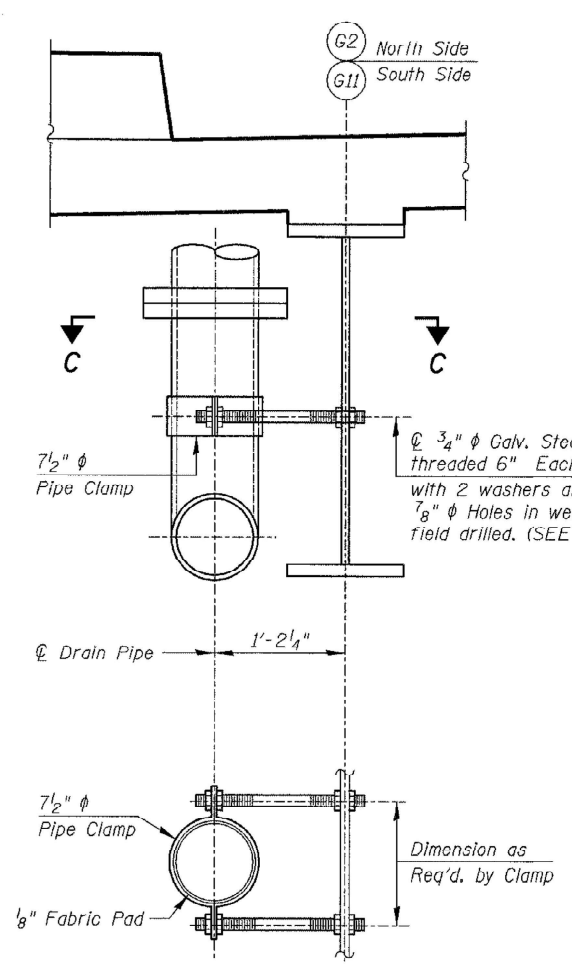
DIM "A"			
W. Abut.	NW Corner	18.0'	
	SW Corner	10.0'	
E. Abut.	NE Corner	14.0'	
	SE Corner	31.0'	



DETAIL - "A"

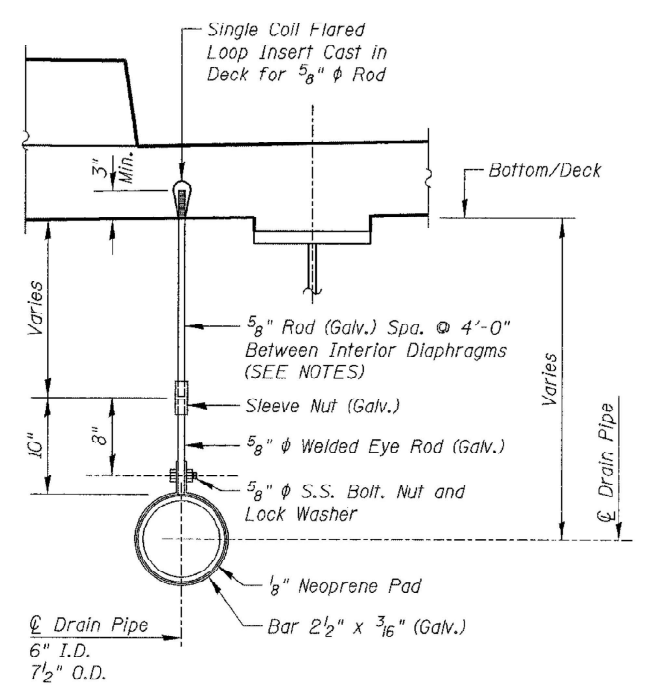


SECTION B-B

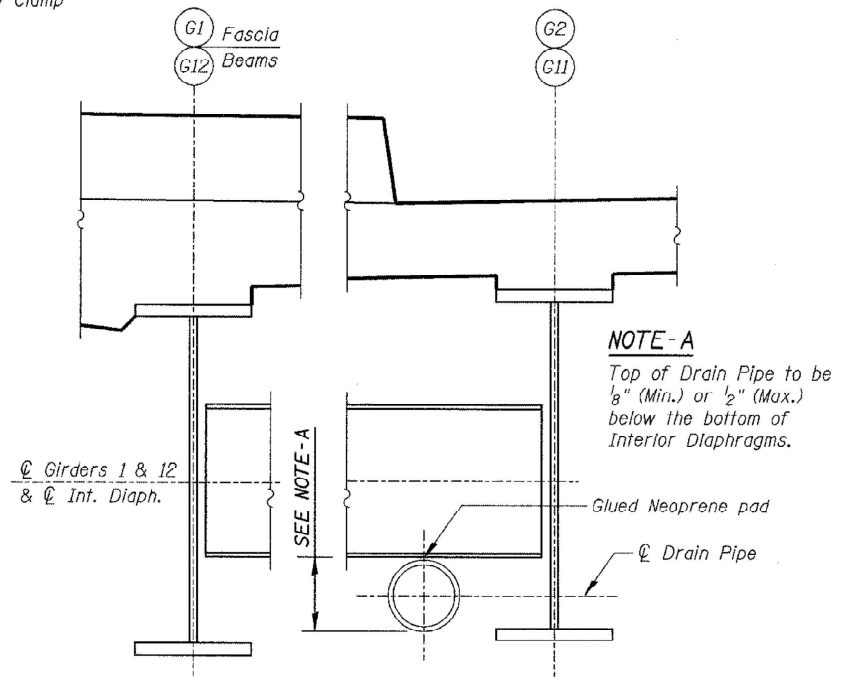


SECTION C-C

VERTICAL PIPE SUPPORT DETAIL



LONGITUDINAL PIPE SUPPORT DETAIL



PIPE AT DIAPHRAGMS

NOTE - A
Top of Drain Pipe to be 1/8" (Min.) or 1/2" (Max.) below the bottom of Interior Diaphragms.

MODEL: Location 20 Sheet 2 (Steel)
FILE NAME: c:\pwworking\hassan\1065265D\1065265-shr-plan.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/28/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION NO. 19 (SN 016-2850)
DRAINAGE DETAILS**

SCALE: SHEET 48 OF 49 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	55
CONTRACT NO. 62X74				
ILLINOIS FED. AID PROJECT				



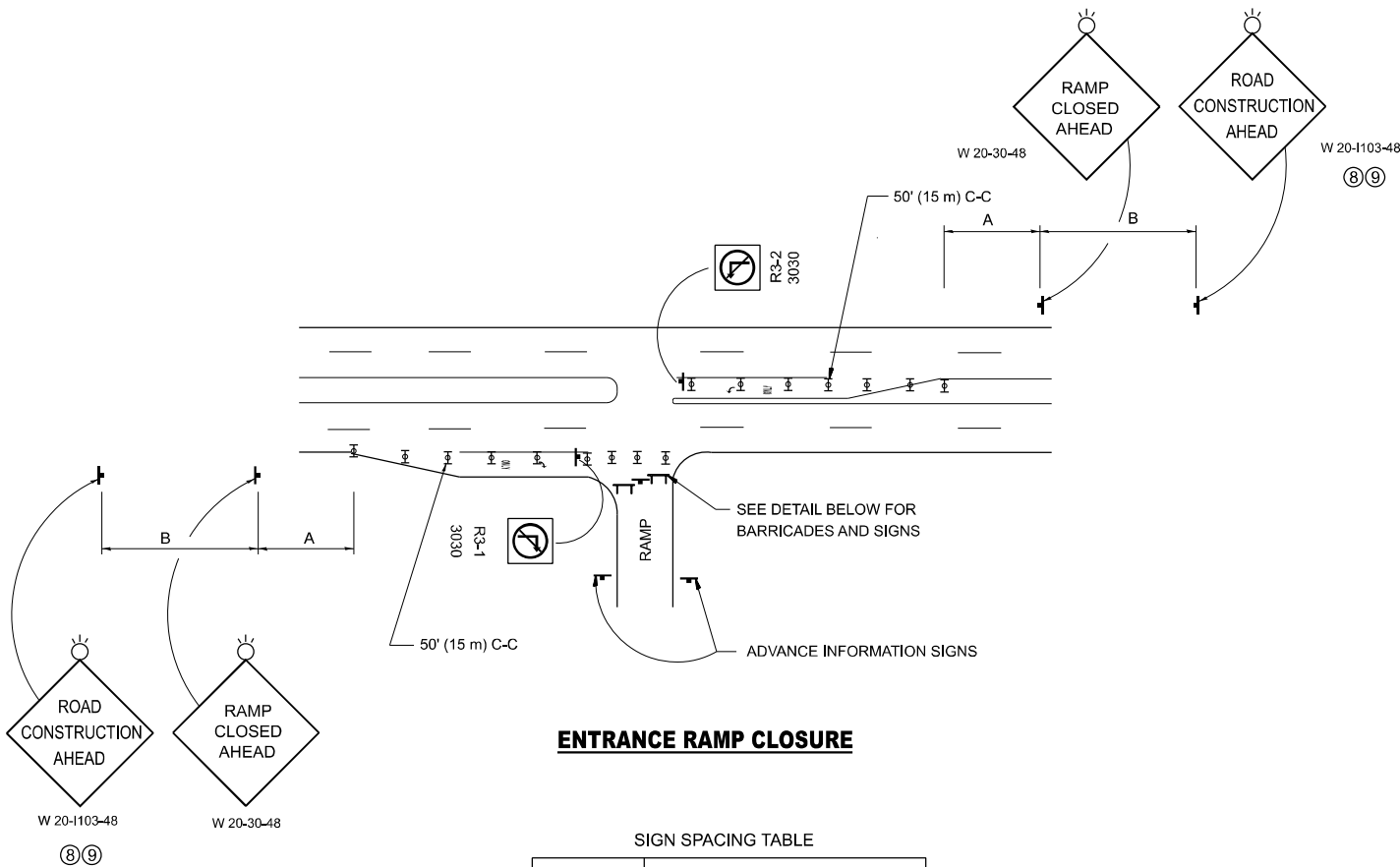
016-2850 PHOTO #1
EAST ABUTMENT - NORTH SIDE OF BRIDGE
REPLACE BOTTOM OF PIPE, 4 FEET



016-2850 PHOTO #2
REPLACE PIPE ON NORTH SIDE OF
BRIDGE - OVER NORTHBOUND LANES, 50 FEET

MODEL: Location 20 Sheet 3 [Sheet]
FILE NAME: c:\p\work\p\work\hassan\1065265D\065265-shr-plan.dgn

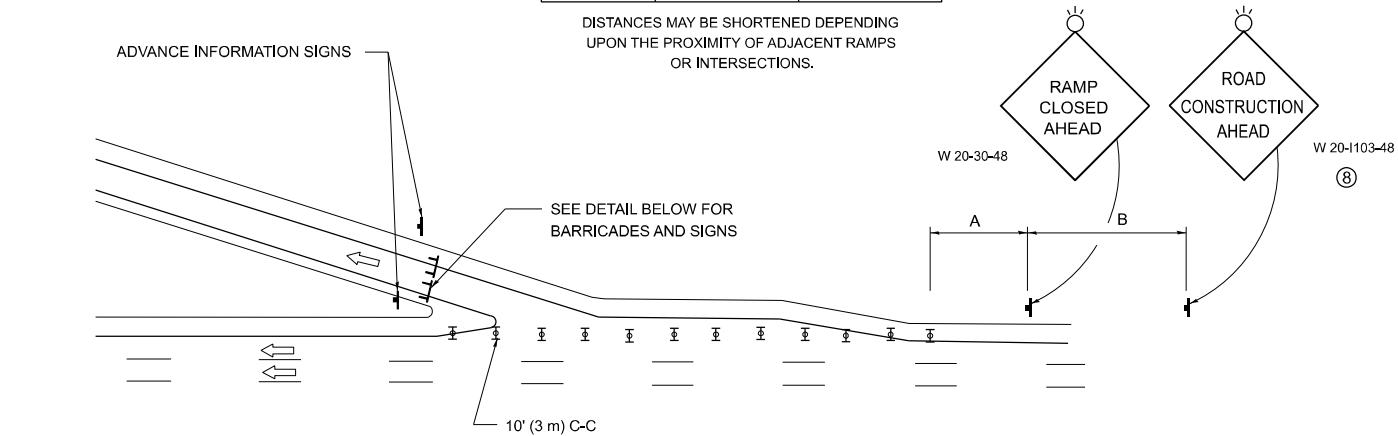
	USER NAME = naveed.hassan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION NO. 19 (SN 016-2850) PHOTO OF DAMAGED DRAINAGE SYSTEM			F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR.	(066-1617-15D) BR 24	COOK	60	56
		CHECKED -	REVISED -					CONTRACT NO. 62X74				
	PLOT DATE = 3/28/2025	DATE -	REVISED -		SCALE:	SHEET 49	OF 49	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



ENTRANCE RAMP CLOSURE

FACILITY	SIGN SPACING TABLE	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

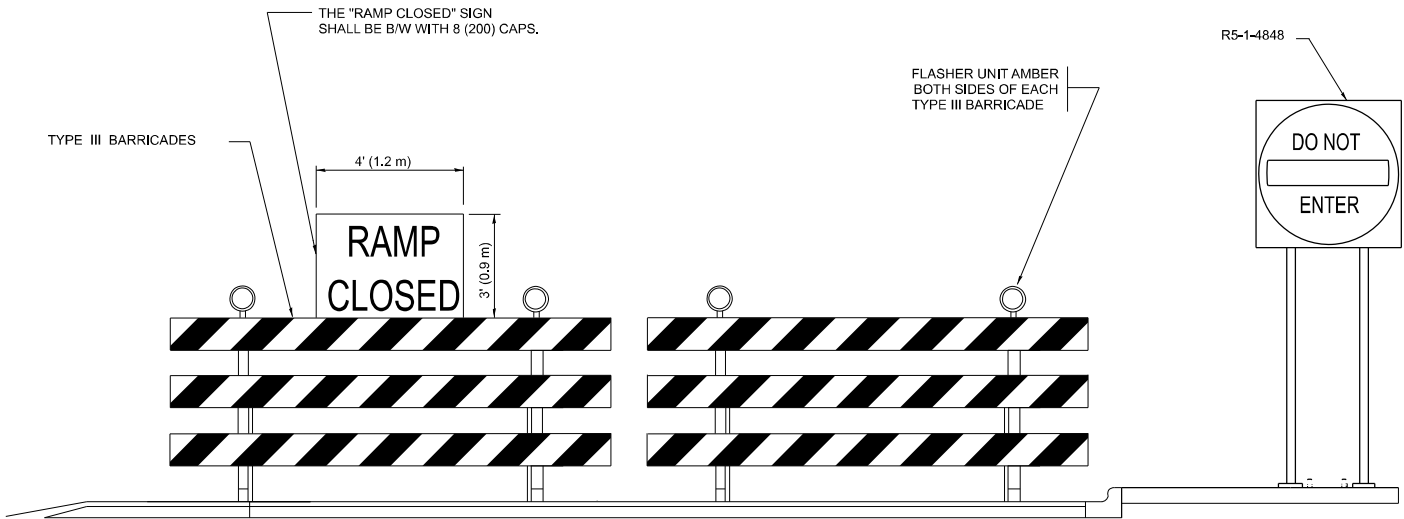
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

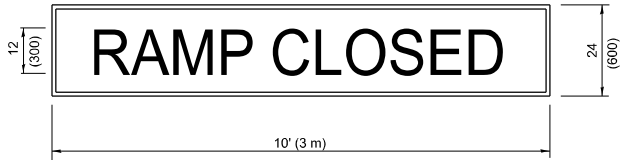
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

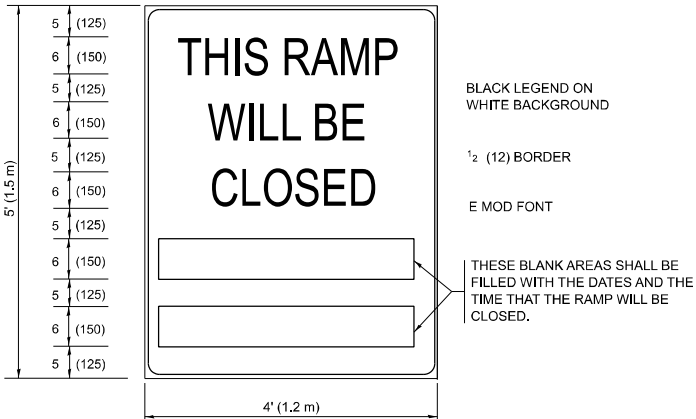
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

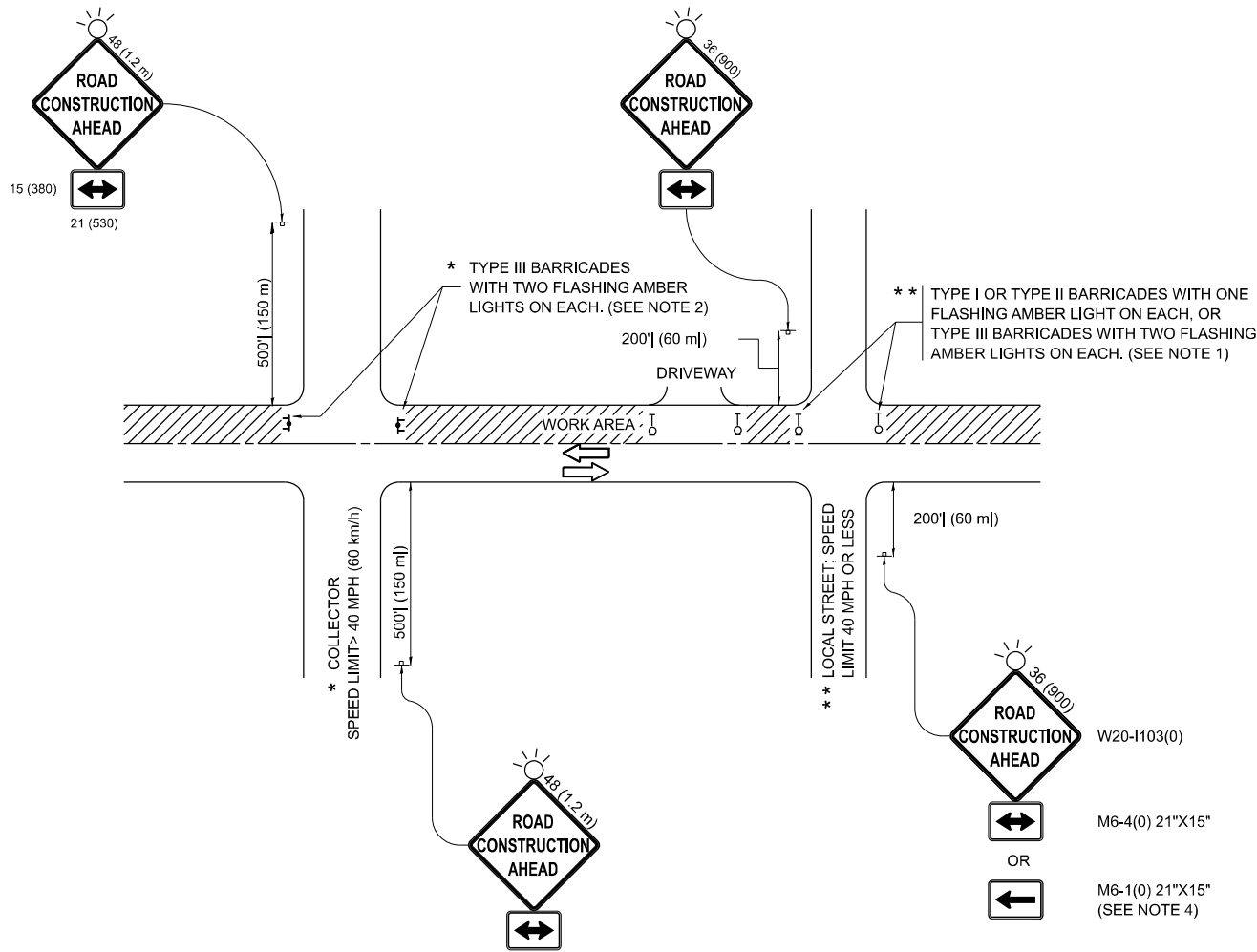
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT_RAMP
CLOSURE DETAILS

SCALE: NONE SHEET A001 OF 4 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	57
TC-08		CONTRACT NO. 62X74		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-11 [Sheet]
FILE NAME: c:\p\work\p\work\hassan\md1065265D1065265-shh-DhSStd.dgn



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S), THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

	USER NAME = naved.hassan	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - A. SCHUETZE 07-01-13						VAR.	(066-1617-15D) BR 24	COOK	60	58	
		CHECKED -	REVISED - A. SCHUETZE 09-15-06						TC-10					CONTRACT NO. 62X74
	PLOT DATE = 3/27/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24		SCALE:		SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

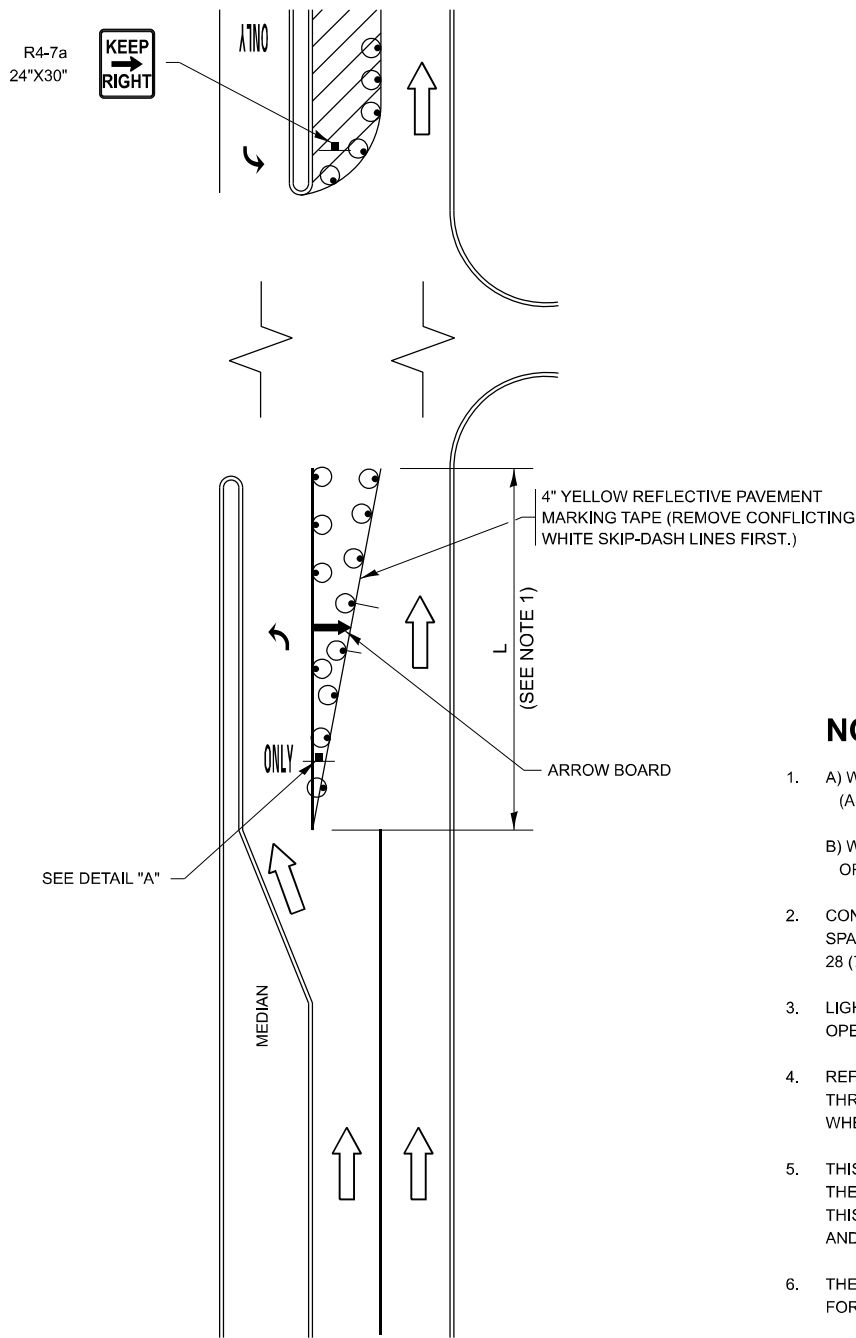
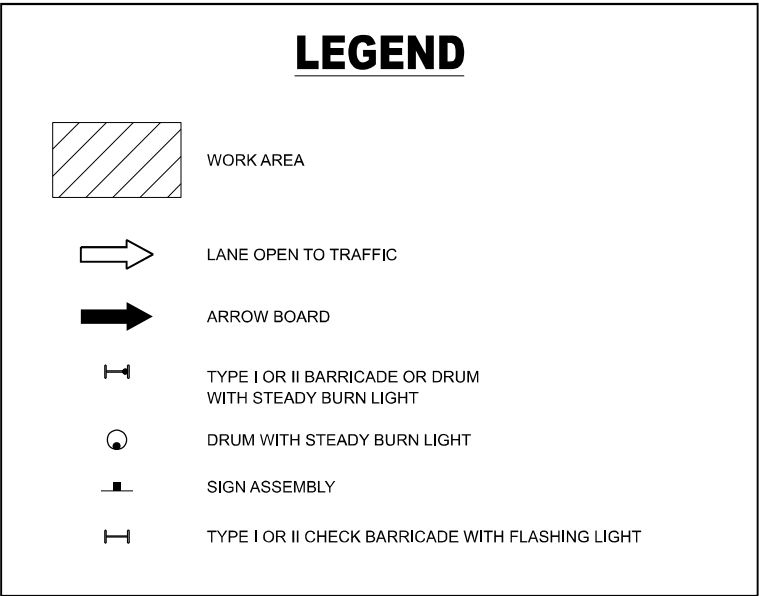


FIGURE 1

LEGEND



NOTES:

- A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

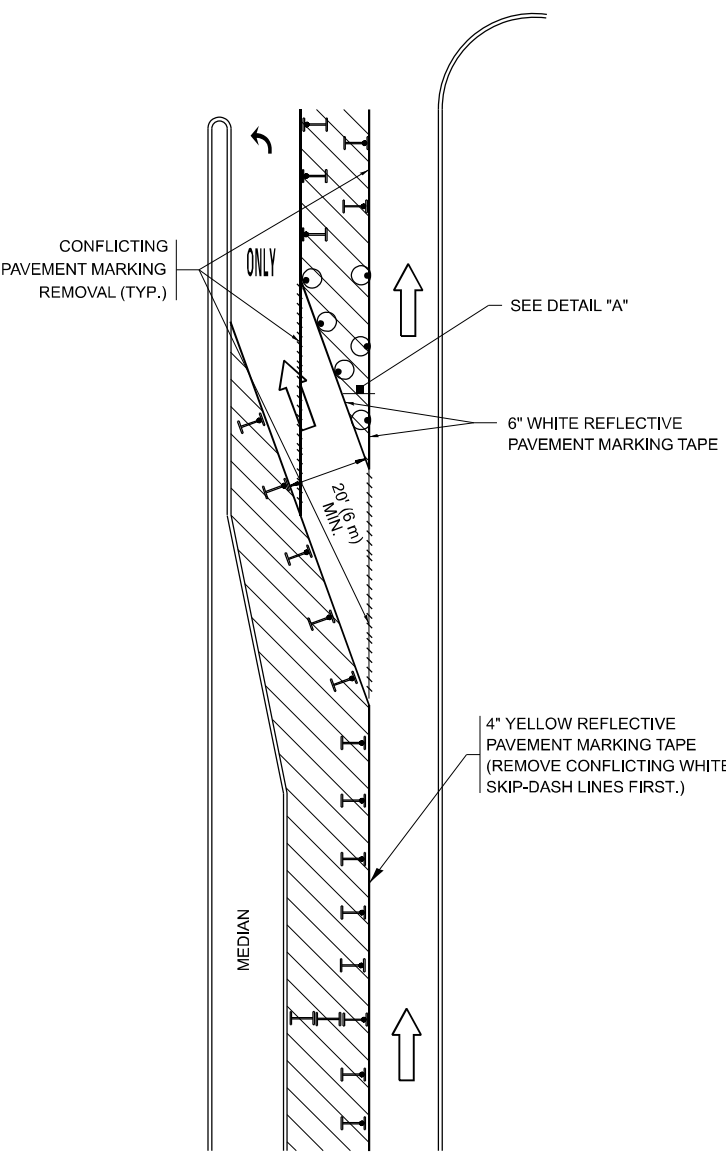
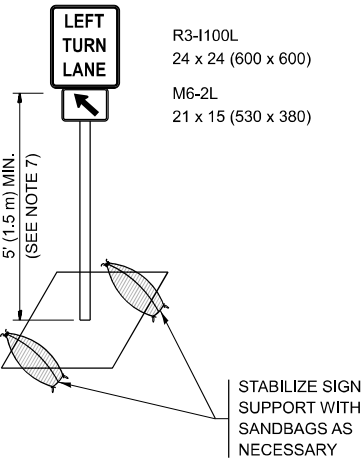


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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FILE NAME: c:\p\work\hassan\1065265D\1065265-sh-01a\Std.dgn

USER NAME	= naveed.hassan
DESIGNED	- T. RAMMACHER 09-08-94
DRAWN	- A. HOUSEH 11-07-95
CHECKED	- A. HOUSEH 10-12-96
PLOT DATE	= 3/28/2025
DATE	- T. RAMMACHER 01-06-00

REVISED	- R. BORO 09-14-09
REVISED	- A. SCHUETZE 07-01-13
REVISED	- A. SCHUETZE 09-15-16
REVISED	-

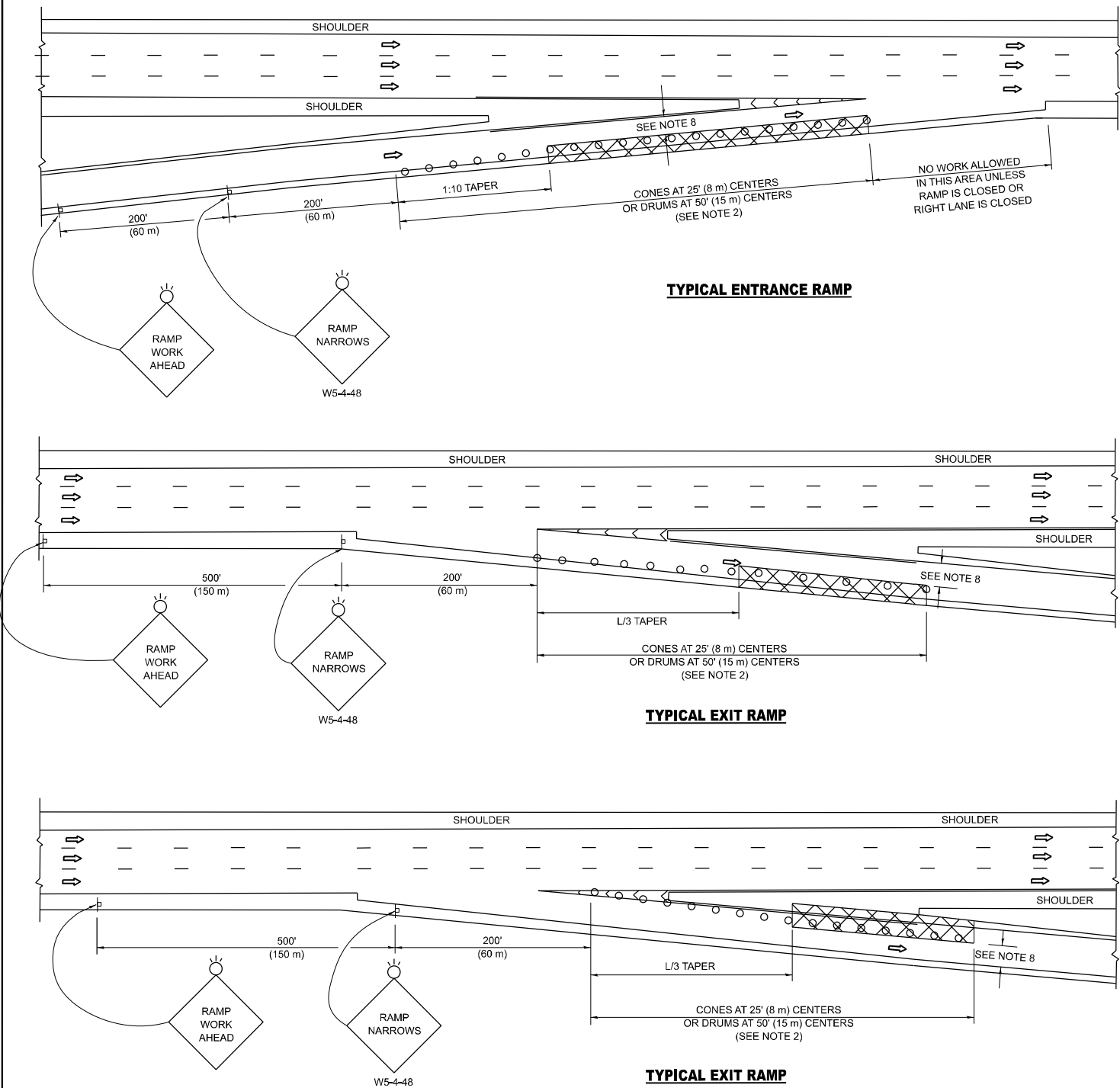
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE SHEET #003 OF 4 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	59
TC-14		CONTRACT NO. 62X74		
ILLINOIS		FED. AID PROJECT		

PARTIAL RAMP CLOSURE DETAILS



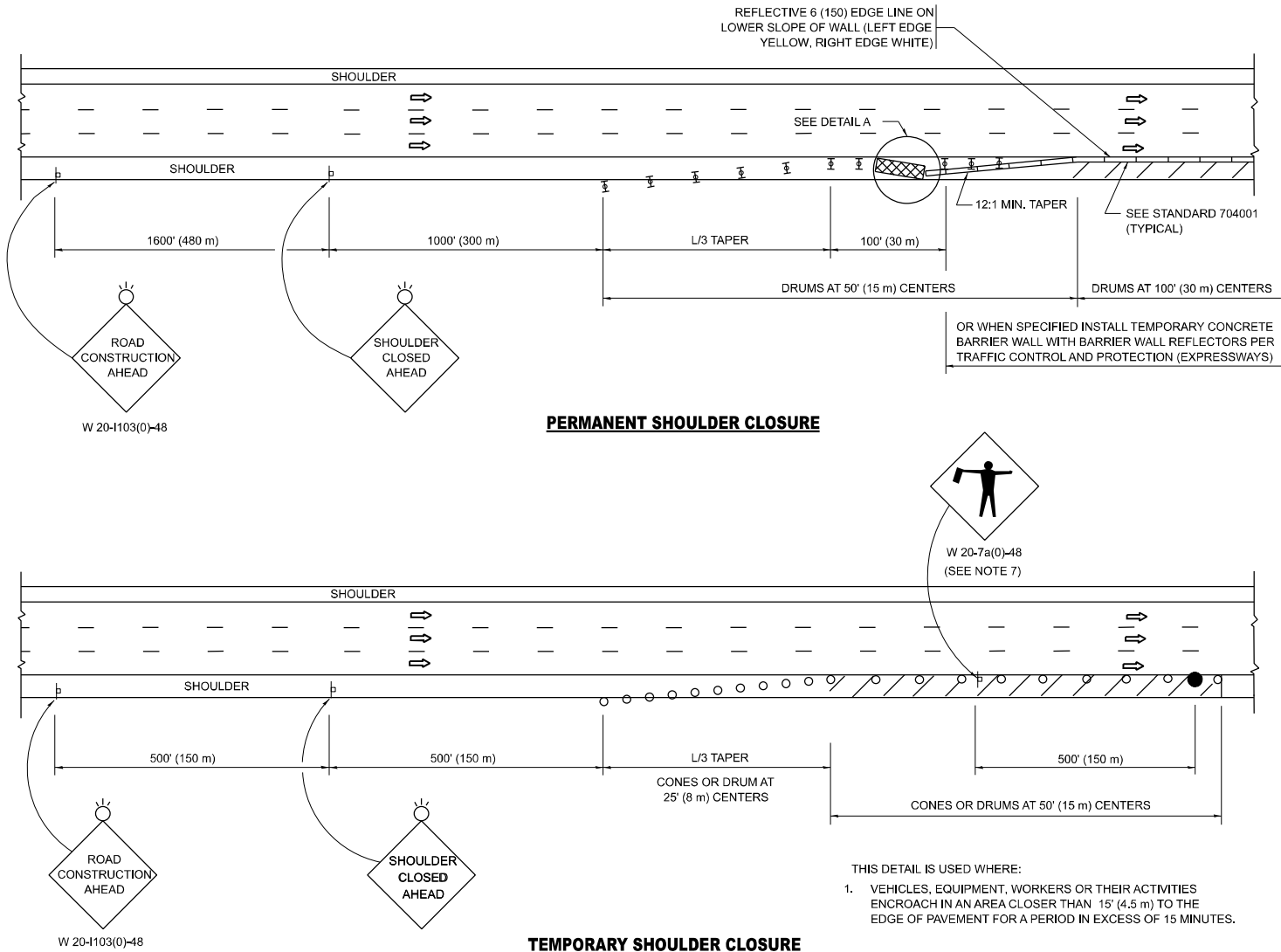
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

- THE "L" DISTANCE EQUALS:
SPEED LIMIT FORMULAS
45 mph (80 km/h) METRIC ENGLISH
OR GREATER: L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

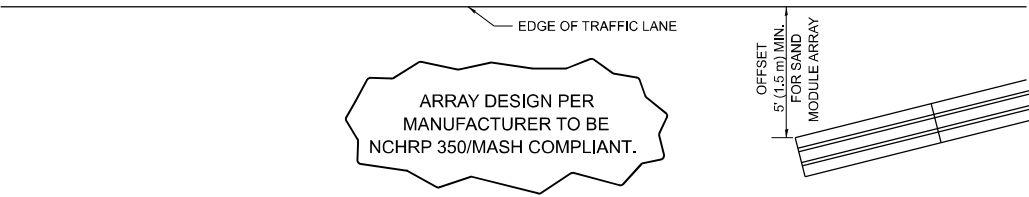


PERMANENT SHOULDER CLOSURE

TEMPORARY SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)



- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET A004 OF 4 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(066-1617-15D) BR 24	COOK	60	60
TC-17		CONTRACT NO. 62X74		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-17 [Sheet]
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