

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	1
		ILLINOIS	CONTRACT NO. 70G29	

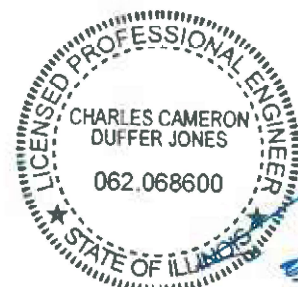
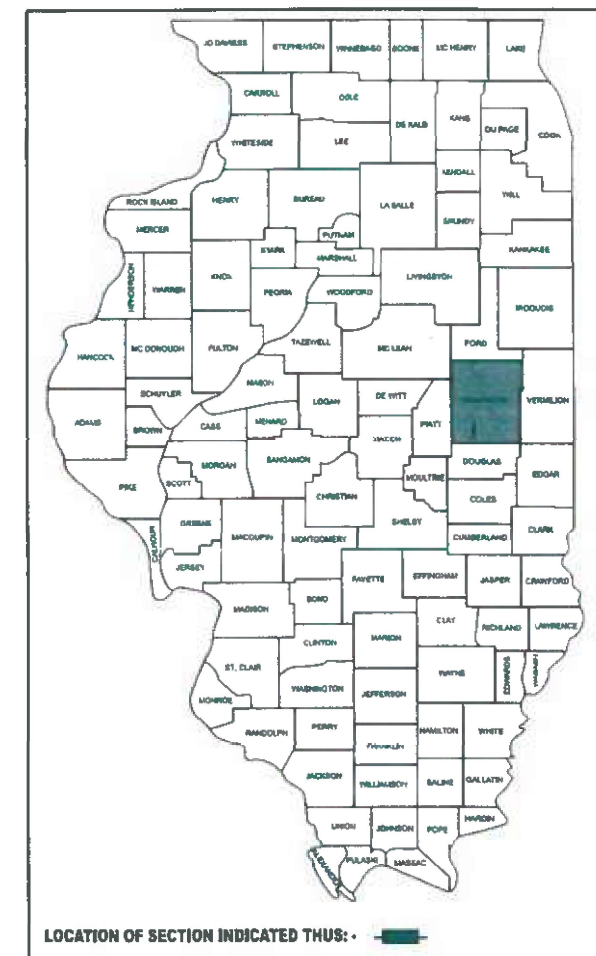
INDEX OF SHEETS
SEE SHEET 2 FOR "INDEX OF SHEETS"
HIGHWAY STANDARDS
SEE SHEET 2 FOR "HIGHWAY STANDARDS"
SUMMARY OF QUANTITIES
SEE SHEETS 4-9 FOR "SUMMARY OF QUANTITIES"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAI ROUTE 57 (I-57)
SECTION RA 2023-1
PROJECT STP-ICS6(598)
ILLINI PRAIRIE REST AREAS (NB & SB I-57)
SANITARY SEWER & WATER SERVICE IMPROVEMENTS
CHAMPAIGN COUNTY

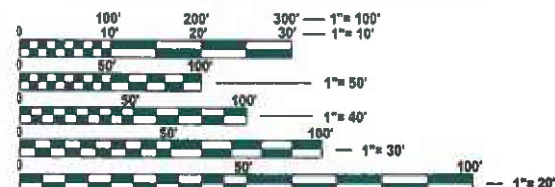
P-95-017-23



Charles Cameron Duffer Jones
11/7/2026
IL LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2027



Christopher Howe
3/17/2026
IL LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2027



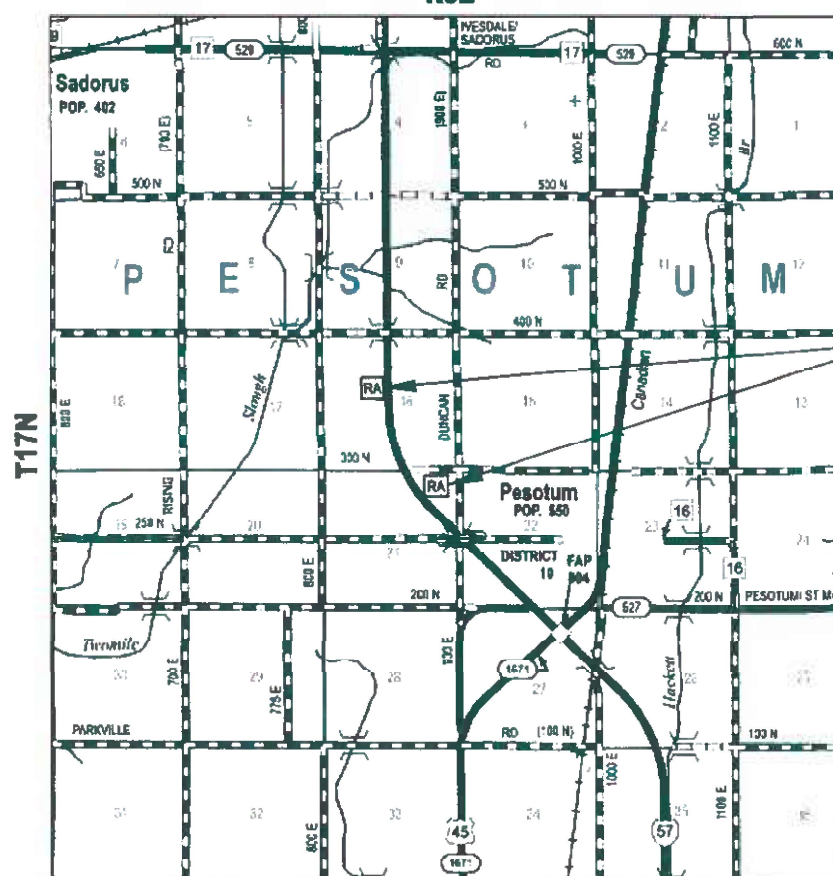
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JASON STULTS, P.E.
PROJECT MANAGER: JASON GOBLE (217) 465-4181

CONTRACT NO. 70G29

C-95-017-23
R8E



LOCATION MAP

APPROXIMATE SCALE: 0 0.5 1 MILES
GROSS LENGTH = 3,800 FT. = 0.720 MILE
NET LENGTH = 3,800 FT. = 0.720 MILE

PROJECT LOCATION
NB & SB REST AREAS
NB STA 191+00 TO STA 206+00
SB STA 231+00 TO STA 245+00

TOWNSHIP: PESOTUM
SECTIONS: 16, 21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3/18 2026
Kenneth A. Conzett, P.E.
REGIONAL ENGINEER

June 26, 2026
Scott A. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2026
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL - Index of Sheets and Highway Standards (Sheet)
FILE NAME: S:\2023\231008_PTB_206-24_DS - Benion - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-ahh-Index of Sheets and Highway Standards.dgn

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IDOT HIGHWAY STANDARDS

STD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-11	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
542001-06	CONCRETE END SECTIONS FOR PIPE C
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604041-03	FRAME AND GRATE, TYPE 9
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES

GENERAL NOTES:

- GN100B. MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.
- GN105.09A. ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)
- GN 440B. THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

GENERAL SITE NOTES

- EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL. REMOVING UNSUITABLE MATERIALS. THE CONSTRUCTION OF EMBANKMENTS, NONSTRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES AND GRADES SHOWN ON THE PLANS.
- TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE AND USED FOR FINAL GRADING. TOPSOIL SHALL NOT BE USED FOR FILL MATERIAL.
- THE GRADING AND THE CONSTRUCTION OF THE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER.
- DURING THE CONSTRUCTION OF THE IMPROVEMENTS, CONTRACTOR MAY ENCOUNTER SOME EXISTING ABANDONED MATERIAL. ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE IN A LAWFUL MANNER. ALL REMOVAL AND DISPOSAL COSTS ARE INCIDENTAL TO THE CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING, IF NEEDED. COST OF LABOR, MATERIALS, AND EQUIPMENT IS INCIDENTAL TO THE COST OF THIS PROJECT.

POTABLE WATER MAIN NOTES

- WATER MAIN INSTALLATION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- PROPOSED WATER MAIN SHALL HAVE A MINIMUM OF 54" COVER, UNLESS OTHERWISE CALLED FOR IN PLANS.
- ALL FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT W/ STAINLESS STEEL OR CORTEN HARDWARE, MANUFACTURED IN THE USA AND HAVE A CEMENT MORTAR LINING AND BITUMINOUS COAT MEETING THE APPLICABLE STANDARDS LISTED: AWWA C104, C110, C111, & C153 AND ANSI A21.40, A21.10, A21.11, & A21.53. ALL FITTINGS SHALL HAVE RETAINER GLANDS. THE RETAINER GLANDS SHALL BE FURNISHED IN LIEU OF STANDARD GLANDS, AND SHALL BE CONSIDERED INCIDENTAL TO THE FITTINGS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL THRUST BLOCKS SHALL BE CONCRETE BLOCKINGS IN ACCORDANCE WITH SEC. 41-2.10 OF THE STANDARD SPECIFICATIONS, AND SHALL BE INSTALLED ALONG WITH RETAINER GLANDS.
- PRESSURE TEST SHALL BE IN ACCORDANCE WITH SECTION 41-2.14 OF STANDARD SPECIFICATIONS, OR A MIN. OF 100 PSI, WHICHEVER IS GREATER.
- DISINFECTION SHALL BE IN ACCORDANCE WITH SECTION 41-2.15 OF STANDARD SPECIFICATION.
- CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN MATERIALS AND SIZES PRIOR TO ORDERING.
- EXTRA DEPTH IN SOME AREAS ALONG THE PROPOSED WATER MAIN IS REQUIRED TO OBTAIN REQUIRED GRADIENT BETWEEN THE EXISTING & PROPOSED UTILITIES, CULVERTS, AND DITCHES. EXTRA DEPTH REQUIRED FOR THE WATER MAIN INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE WATER MAIN. NO FITTINGS WILL BE ALLOWED TO OBTAIN THE ADDITIONAL DEPTH UNLESS OTHERWISE SHOWN ON THE PLANS.
- THE HORIZONTAL LOCATION OF THE WATER MAIN AND WATER SERVICE MAY BE ADJUSTED TO AVOID EXISTING UTILITIES WITH APPROVAL BY THE ENGINEER.

SANITARY SEWER CONSTRUCTION NOTES

- ALL NEW CONSTRUCTION, CONNECTIONS TO, AND/OR ADJUSTMENTS OF EXISTING SANITARY SEWER AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- THE CONTRACTOR IS TO REMOVE THE EXISTING PIPE WHERE NOTED IN THE CONTRACT DOCUMENTS AND DISPOSE OF MATERIAL IN A LAWFUL MANNER OFF OF THE PROJECT SITE. COST INCIDENTAL TO THE SEWER MAIN CONSTRUCTION.
- ALL SANITARY SEWERS SHALL BE DEFLECTION TESTED AND AIR TESTED IN ACCORDANCE WITH THE SPECIFICATIONS. COST FOR DEFLECTION TESTING SHALL BE INCIDENTAL TO THE COST OF THE SEWER MAIN.
- ALL MANHOLES SHALL BE LEAK TESTED IN ACCORDANCE WITH EPA TITLE 35, SECTION 370.330, E, 2, WHICH REFERS TO LEAK TESTING TO BE IN ACCORDANCE WITH ASTM C1244-93 "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE PRESSURE (VACUUM) TEST".
- NO EQUIPMENT LARGER THAN 6 PSI BEARING PRESSURE SHALL BE USED ABOVE DRAINAGE FIELD IN ACCORDANCE WITH ILLINOIS ADMINISTRATIVE CODE TITLE 77, PART 905.

COMMITMENTS

- WATER MAIN SHALL NOT BE INSTALLED UNTIL ALL CROPS HAVE BEEN REMOVED ALONG THE WATER MAIN ROUTE.



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - M. GLIME	REVISED -
PLOT DATE = 3/17/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	2
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: LEGEND (Sheet)
 FILE NAME: S:\2023\2311008 PTB 206-34 D5 - Benion - I-57 Sanitary Sewer Phase I\CADD\CADD Sheets\I570G29-shht-Legend.dgn

EXISTING	LEGEND	PROPOSED	ABBREVIATIONS
	GAS VALVE		CUBIC YARD C.Y.
	INLET		LINEAL FEET L.F.
	CATCH BASIN		SQUARE YARD S.Y.
	MANHOLE		TRENCH BACKFILL T.B.
	FIRE HYDRANT		TEMPORARY TRENCH SURFACE T.T.S.
	WATER VALVE		BITUMINOUS PAVEMENT COLD PATCH B.P.
	WATER METER		FERTILIZING & SEEDING F & S
	CURB VALVE & BOX		SIDEWALK SWK.
	FENCE		BENCH MARK B.M.
	GUY WIRE		SQUARE FEET S.F.
	POST		DIAMETER DIA.
	UTILITY POLE		PCC PAVEMENT PCCP
	POWER POLE W/LIGHT		FLOWABLE BACKFILL F.B.
	SIGN		HOT-MIX ASPHALT SURFACE HOT-MIX
	CABLE PEDESTAL		COURSE, MIX "C", N50 ASP.
	ELECTRIC BOX		DUCTILE IRON PIPE D.I.P.
	TELEPHONE PEDESTAL		POLYVINYL CHLORISE P.V.C.
	TREE		BITUMINOUS MATERIAL (PRIME) [A-2 SURF] BIT. MAT. PR.
	SHRUBS		BITUMINOUS MATERIAL (COVER & SEAL) [A-2 SURF] BIT. MAT. C & S
	HOUSE OR TRAILER		COVER & SEAL AGGREGATE [A-2 SURF] C & S AGG.
	GARAGE OR BARN		CONTROLLED LOW-STRENGTH MATERIAL C.L.S.M.
	SANITARY SEWER		PREPARATION OF BASE P.O.B.
	SAN. SEWER SERVICE CONNECTION		PROPERTY LINE P
	STORM SEWER		PAVEMENT PVMT.
	SANITARY FORCE MAIN		FLOW LINE FL
	WATER MAIN		POLYETHYLENE TUBING PE
	WATER SERVICE LINE [TRENCHED]		STORM DRAIN (STORM SEWER LATERAL) SD
	WATER SERVICE LINE [BORED]		DRAINAGE/VENT PIPE (IL. PLUMBING CODE) DWV
	WATER SERVICE IN CASING - TRENCHED		CENTERLINE CL
	WATER SERVICE LINE IN CASING - BORED		BASELINE BL
	RESTRAINED JOINT WATER MAIN		EL: ELEVATION
	GAS MAIN		N: NORTHING
	UNDERGROUND TELEPHONE CABLE		E: EASTING
	UNDERGROUND ELECTRICAL		STA: STATION
	UNDERGROUND CABLE T.V.		NB: NORTHBOUND
	AERIAL TELEPHONE		SB: SOUTHBOUND
	AERIAL ELECTRIC		TYP: TYPICAL
	AERIAL CABLE TV		MIN: MINIMUM
	R.O.W. LINE / CONSTRUCTION ACCESS LIMITS		
	SEWER SERVICE CONNECTION/LATERAL		
	PAVEMENT REMOVAL/REPLACEMENT		
	PERMANENT EASEMENT		
	TEMPORARY EASEMENT		
	CLEANOUT		
	DIRECTIONAL DRILL PIT		
	HORIZONTAL BORE PIT		
	LINE STOP		
	BLOCK/PLUG		
	SERVICE ADDRESS		
	RECONNECT TO EXISTING SERVICE		
	POTHOLE EXISTING SERVICE - NO RECONNECT		
	STOP AT CURB VALVE - NO RECONNECT		
			UTILITIES
			SEE SPECIAL PROVISIONS

QUANTITIES ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE FOR BIDDING ASSISTANCE. CONTRACTOR SHALL VERIFY ALL QUANTITIES IN ORDER TO COMPLETE THE WORK AS SHOWN IN THE PLANS AND SPECIFICATIONS.

THE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE OWNER AND ENGINEER, PRIOR TO PROCEEDING WITH TRENCH EXCAVATION THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT 1-800-892-0123.



USER NAME	= RGoertz	DESIGNED	- C. JONES	REVISED	-
		DRAWN	- M. GLIME	REVISED	-
PLOT SCALE	= \$\$CALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	= 3/10/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LEGEND AND ABBREVIATIONS
 I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	3
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ (Sheet)
 FILE NAME: S:\2023\2311008 PTB 206-34 D5 - Benion - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\I-570G29-ahk-SOQ.dgn

CODE NO.	ITEM	UNIT	QUANTITY	CONSTRUCTION TYPE CODE		
				FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030
20200100	EARTH EXCAVATION	CU YD	3,430	2,370	1,060	
20800150	TRENCH BACKFILL	CU YD	300	120	180	
25000200	SEEDING, CLASS 2	ACRE	6.50	3.25	2.75	.50
25000320	SEEDING, CLASS 5	ACRE	4.00	1.25	2.25	.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	554	271	240	43
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	554	271	240	43
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	554	271	240	43
25100630	EROSION CONTROL BLANKET	SQ YD	28,474	13,921	12,272	2,281
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,228	602	532	94
28000305	TEMPORARY DITCH CHECKS	FOOT	42	42		
28000400	PERIMETER EROSION BARRIER	FOOT	2,463	1,383	1,080	
28000500	INLET AND PIPE PROTECTION	EACH	8	5	3	
28000510	INLET FILTERS	EACH	7	5	2	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	28,474	13,921	12,272	2,281

* SPECIALTY ITEM



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 3/16/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	4
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: SQ04-1 [Sheet]
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\ID570G29-shk-SQ04.dgn

CODE NO.	ITEM	UNIT	QUANTITY	CONSTRUCTION TYPE CODE		
				FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	380	78	302	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	678	201	477	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,638	831	807	
44000100	PAVEMENT REMOVAL	SQ YD	263	101	162	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	184	113	71	
44000600	SIDEWALK REMOVAL	SQ FT	1,638	831	807	
44200050	WELDED WIRE REINFORCEMENT	SQ YD	215	101	114	
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	139	101	38	
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	124		124	
44201298	DOWEL BARS 1 1/4"	EACH	280	224	56	
44201299	DOWEL BARS 1 1/2"	EACH	270		270	
44213200	SAW CUTS	FOOT	400	160	240	
44213204	TIE BARS 3/4"	EACH	61	39	22	
50105220	PIPE CULVERT REMOVAL	FOOT	6	6		

* SPECIALTY ITEM



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 3/16/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	5
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: SQQ2 [Sheet]
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\ICADD\CADD Sheets\I57G29-shi-SQQ.dgn

CODE NO.	ITEM	UNIT	QUANTITY	CONSTRUCTION TYPE CODE		
				FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1		
542D5473	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	43	43		
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	50	50		
56100600	WATER MAIN 6"	FOOT	950			950
56103000	DUCTILE IRON WATER MAIN 6"	FOOT	75			75
56104900	WATER VALVES 6"	EACH	5	2	2	1
56108800	TAPPING VALVE AND SLEEVES 6"	EACH	1			1
56201160	WATER SERVICE LINE 6"	FOOT	4,872	391	4,266	215
60261100	INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE	EACH	1	1		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	53	53		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	103	61	42	
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	29		29	
66400105	CHAIN LINK FENCE, 4'	FOOT	571	311	260	
66405600	CHAIN LINK GATES, 4' X 8' DOUBLE	EACH	2	1	1	

* SPECIALTY ITEM



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 5/30/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	6
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: SQQ3 (Sheet)
 FILE NAME: S:\2023\2311008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\ICADD\CADD Sheets\I57G29-shi-SQQ.dgn

CODE NO.	ITEM	UNIT	QUANTITY	CONSTRUCTION TYPE CODE		
				FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	7	3	3	1
67100100	MOBILIZATION	L SUM	1	0.4	0.4	0.2
67201000	SEALING ABANDONED WATER WELLS	EACH	1	1		
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	2		2	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.5	0.5	
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	0.5	0.5	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5	
X0321309	CONCRETE PAD	SQ YD	33	17	16	
X0324605	REMOVAL OF EXISTING INTERIOR PLUMBING, LOCATION 1	L SUM	1	1		
X0324606	REMOVAL OF EXISTING INTERIOR PLUMBING, LOCATION 2	L SUM	1		1	
X0324607	WATER SERVICE INTERIOR PLUMBING, LOCATION 1	L SUM	1	1		
X0324608	WATER SERVICE INTERIOR PLUMBING, LOCATION 2	L SUM	1		1	
X0324609	REMOVE EXISTING SANITARY SEPTIC SYSTEM, LOCATION 1	L SUM	1	1		

* SPECIALTY ITEM



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PLOT DATE = 5/30/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	7
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: SQ04 (Sheet)
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Bertron - I-57 Sanitary Sewer Phase I\ICADD\CADD Sheets\I-57G29-ent-SQ04.dgn

CONSTRUCTION TYPE CODE		
FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030

CODE NO.	ITEM	UNIT	QUANTITY	FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030
X0324610	REMOVE EXISTING SANITARY SEPTIC SYSTEM, LOCATION 2	L SUM	1		1	
X0324611	REMOVAL OF EXISTING SANITARY ELECTRICAL SUPPLY AND DISTRIBUTION, LOCATION 1	L SUM	1	1		
X0324612	REMOVAL OF EXISTING SANITARY ELECTRICAL SUPPLY AND DISTRIBUTION, LOCATION 2	L SUM	1		1	
X0324613	SANITARY ELECTRICAL SUPPLY AND DISTRIBUTION, LOCATION 1	L SUM	1	1		
X0324614	SANITARY ELECTRICAL SUPPLY AND DISTRIBUTION, LOCATION 2	L SUM	1		1	
X0324615	SANITARY SEWER SEPTIC TANK, LOCATION 1	L SUM	1	1		
X0324616	SANITARY SEWER SEPTIC TANK, LOCATION 2	L SUM	1		1	
X0324617	PACKAGE SIMPLEX LIFT STATION, LOCATION 1	L SUM	1	1		
X0324618	PACKAGE SIMPLEX LIFT STATION LOCATION 2	L SUM	1		1	
X0324619	PACKAGE DUPLEX LIFT STATION, LOCATION 1	L SUM	1	1		
X0324620	PACKAGE DUPLEX LIFT STATION LOCATION 2	L SUM	1		1	
X0324621	VERTICAL DUAL AUGER SCREEN, LOCATION 1	L SUM	1	1		
X0324622	VERTICAL DUAL AUGER SCREEN, LOCATION 2	L SUM	1		1	
X0324623	DRAINAGE FIELD SYSTEM, LOCATION 1	L SUM	1	1		

* SPECIALTY ITEM



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PLOT DATE = 5/30/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	8
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: SQQ.5 (Sheet)
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\ICADD\CADD Sheets\I570G29-shi-SQQ.dgn

CODE NO.	ITEM	UNIT	QUANTITY	CONSTRUCTION TYPE CODE		
				FAI 57 NB (I-57 NB) RURAL INTERSTATE STA 195+00 TO STA 205+00 NB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 SB(I-57 SB) RURAL INTERSTATE STA 230+00 TO STA 245+00 SB REST AREA CHAMPAIGN FEDERAL 90% STATE 10% 0030	FAI 57 (I-57) RURAL INTERSTATE STA 195+00 TO STA 245+00 WM CONSTRUCTION CHAMPAIGN FEDERAL 90% STATE 10% 0030
X0324624	DRAINAGE FIELD SYSTEM, LOCATION 2	L SUM	1		1	
X1200198	SANITARY SEWERS, PVC, 8"	FOOT	969	348	621	
X1200230	PRESSURE TESTING AND DISINFECTION	L SUM	1			1
X5510308	SANITARY SEWER REMOVAL 8"	FOOT	562	287	275	
X5610004	DUCTILIE IRON WATER MAIN FITTINGS	POUND	471	154	195	122
X5610017	FLUSH HYDRANTS	EACH	3	1	1	1
X5610054	CASING PIPE, BORED AND JACKED, 12"	FOOT	171		171	
X5620004	WATER SERVICE METER AND VAULT	L SUM	1			1
X6011605	PIPE DRAINS 4" (SPECIAL)	FOOT	1,755	855	900	
X6022858	MANHOLES, TYPE A, SANITARY, 4' DIAMATER, TYPE 1, FRAME, CLOSED LID	EACH	8	4	4	
X6026054	SANITARY MANHOLE TO BE REMOVED	EACH	4	2	2	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.4	0.4	0.2
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	40	40		
Z0067200	STEEL CASINGS, 10"	FOOT	55		1	55

* SPECIALTY ITEM



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	9
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

LOCATION	A	B	C	D
	20200100			
	EARTH EXCAVATION	25% SHRINKAGE FACTOR	EMBANKMENT	EARTHWORK BALANCE EXCESS (+) OR SHORTAGE (-)
LOCATION	CU YD	CU YD	CU YD	CU YD
NB SEPTIC FIELD (SOUTH) & ACCESS RD	1,040	780	575	205
NB EXISTING SEPTIC FIELD (NORTH)	1,330	998	70	928
SB SEPTIC FIELD & ACCESS RD	1,060	795	1,520	-725
NB SEWAGE TANK			178	-178
SB SEWAGE TANK			178	-178
TOTALS	3,430		2,521	52

NOTES:

- A: NORMAL CUT PRIOR TO SHRINKAGE
- B: CUT AVAILABLE FOR FILL AFTER SHRINKAGE
- C: REQUIRED FILL FOR PROJECT
- D: (-) = FURNISHED EXCAVATION / (+) = WASTE

PAVING SCHEDULE

LOCATION	30300011	40200800	44000100	44200944	44200976	44201298	44201299	44213204	X0321309
	AGGREGATE SUBGRADE IMPROVEMENT	AGGREGATE SURFACE COURSE, TYPE B	PAVEMENT REMOVAL	CLASS B PATCHES, TYPE IV, 8 INCH	CLASS B PATCHES, TYPE IV, 10 INCH	DOWEL BARS 1 1/4"	DOWEL BARS 1 1/2"	TIE BARS 3/4"	CONCRETE PAD
REST AREA / BL	TON	TON	SQ YD	SQ YD	SQ YD	EACH	EACH	EACH	SQ YD
NB 196+96.11 TO 197+13.01	26.95	200.80	30.04	30.04		56		21	16.11
NB 201+70.24 TO 201+82.07	50.56		70.66	70.66		168		18	
NB REST AREA SUBTOTALS	77.51	200.80	100.70	100.70		224		39	16.11
USE	78	201	101	101		224		39	17
SB 142+33.37 TO 142+54.37	33.48	476.15	37.33	37.33		56		14	15.66
I-57 236+58.26 TO 236+68.26	57.13		83.61		83.61		270	8	
I-57 236+56.56 TO 236+69.97	210.85		40.23		40.23				
SB REST AREA SUBTOTALS	301.46	476.15	161.17	37.33	123.84	56	270	22	16
USE	302	477	162	38	124	56	270	22	16
GRAND TOTALS	380	678	263	139	124	280	270	61	33

MODEL: r011 (Sheet) FILE NAME: S:\2023\2311\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\I570G29-ehh-schedule.dgn



USER NAME = MGilme	DESIGNED - C. JONES	REVISED -
	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	10
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

STORM SEWER SCHEDULE						
LOCATION	50105220	542D5473	54213660	550A0070	60261100	Z0056648
	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	STORM SEWERS, CLASS A, TYPE 1 15"	INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"
REST AREA / BL	FOOT	FOOT	EACH	FOOT	EACH	FOOT
NB 196+82.91 TO 196+88.33	5.42		1	49.43		
NB 197+30.57					1	
NB 196+92.63 TO 197+34.70		42.54				
NB 201+63.59 TO 201+83.59						20.00
NB 201+68.37 TO 201+88.37						20.00
NB REST AREA SUBTOTALS	5.42	42.54	1	49.43	1	40.00
GRAND TOTALS	5.42	42.54	1	49.43	1	40.00
USE	6	43	1	50	1	40

EROSION CONTROL SCHEDULE				
LOCATION	28000305	28000400	28000500	28000510
	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	INLET FILTERS
REST AREA	FOOT	FOOT	EACH	EACH
NB	42.00	1,383.00	5	5
NB EST AREA SUBTOTALS	42.00	1,383.00	5	5
SB		1,080.00	3	2
SB REST AREA SUBTOTALS		1,080.00	3	2
GRAND TOTALS	42.00	2,463.00	8	7
USE	42	2,463	8	7

TRENCH BACKFILL SCHEDULE		
LOCATION	20800150	
	TRENCH BACKFILL	
REST AREA / UTILITY STA	UTILITY	CU YD
NB 2002+50.95 TO 2003+35.87	WATER	66.00
NB 2003+91.00 TO 2003+91	WATER	11.00
NB 3001+31.91 TO 3001+58.90	SANITARY	21.00
NB 3002+35.75 TO 3002+96.94	SANITARY	22.00
NB REST AREA SUBTOTALS		120.00
USE		120
SB 1053+47.88 TO 1054+73.45	WATER	110.00
SB 1054+97.93 TO 1055+22.71	WATER	22.00
SB 1055+60.45 TO 1055+70.89	WATER	8.00
SB 1055+70.87 TO 1055+70.71	WATER	16.00
SB 4000+39.76 TO 4000+59.07	SANITARY	6.00
SB 4001+13.50 TO 4001+29.61	SANITARY	6.00
SB 4001+94.56 TO 4002+21.01	SANITARY	12.00
NB REST AREA SUBTOTALS		180.00
USE		180
GRAND TOTALS		300

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USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J. HEADEN	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
I-57 ILLINI PRAIRIE REST AREAS			
SCALE:	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70G29	

SAW CUT SCHEDULE		
LOCATION		44213200 SAW CUTS
REST AREA / BL	DESCRIPTION	FOOT
NB 196+96.11	PATCH	16.00
NB 197+13.01	PATCH	16.00
NB 201+70.24	PATCH	63.62
NB 201+80.27	PATCH	63.57
NB REST AREA SUBTOTAL		159.19
USE		160
SB 142+33.37	PATCH	16.00
SB 142+54.37	PATCH	16.00
I-57 236+58.26	PATCH	104.00
I-57 236+68.26	PATCH	104.00
SB REST AREA SUBTOTAL		240.00
USE		240
GRAND TOTAL		400

CURB AND GUTTER SCHEDULE				
LOCATION	44000500	60603800	60605000	60605900
	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12
REST AREA / BL	FOOT	FOOT	FOOT	FOOT
NB 196+91.40 TO 197+34.51	43.11		43.11	
NB 196+96.11 TO 197+13.01	16.90		16.90	
NB 201+68.37 TO 201+88.48	20.11	20.11		
NB 201+57.95 TO 201+90.28	32.33	32.33		
NB REST AREA SUBTOTALS	112.45	52.44	60.01	
USE	113	53	61	
SB 142+33.37 TO 142+54.37	42.00		42.00	
I-57 236+56.56 TO 236+69.97	13.41			13.41
I-57 236+57.03 TO 236+72.03	15.00			15.00
SB REST AREA SUBTOTALS	70.41		42.00	28.41
USE	71		42	29
GRAND TOTALS	184	53	103	29

SIDEWALK SCHEDULE		
LOCATION	42400200	44000600
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SIDEWALK REMOVAL
REST AREA / DESCRIPTION	SQ FT	SQ FT
SANITARY LINE CROSSING	372.40	372.40
WATER MAIN CROSSING BY BUILDING	59.25	59.25
WATER MAIN CROSSING BY CAR LOT	15.49	15.49
WATER MAIN CROSSING BY CAR LOT	138.49	138.49
WATER MAIN CROSSING BY CAR LOT	244.62	244.62
NB REST AREA SUBTOTALS	830.25	830.25
USE	831	831
WATER MAIN CROSSING BY TRUCK LOT	240.88	240.88
WATER MAIN CROSSING	177.62	177.62
WATER MAIN CROSSING BY BUILDING	141.44	141.44
SANITARY LINE CROSSING	137.11	137.11
SANITARY LINE CROSSING	109.73	109.73
SB REST AREA SUBTOTALS	806.78	806.78
USE	807	807
GRAND TOTALS	1,638	1,638

MODEL: PG3 (Sheet)
 FILE NAME: S:\2023\2311008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\I570G29-shhschedule.dgn



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	12
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: PC4 (Sheet)
 FILE NAME: S:\2023\231\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\CADD\CADD Sheets\I570G29-shhschedule.dgn

SEEDING SCHEDULE								
LOCATION	25000200	25000320	25000400	25000500	25000600	25100630	28000250	28001100
	SEEDING, CLASS 2	SEEDING, CLASS 5	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY EROSION CONTROL BLANKET
REST AREA / DESCRIPTION	ACRE	ACRE	POUND	POUND	POUND	SQ YD	POUND	SQ YD
NB REST AREA SOUTH SEPTIC FIELD & ACCESS RD	1.56	1.02	140.40	140.40	140.40	7,210.74	312.00	7,210.74
NB REST AREA NORTH SEPTIC FIELD	1.39		125.10	125.10	125.10	6,405.52	278.00	6,405.52
NB REST AREA WATER MAIN TRENCH	0.03	0.03	2.70	2.70	2.70	150.22	6.00	150.22
NB REST AREA SANITARY SEWER TRENCH	0.03	0.03	2.70	2.70	2.70	153.89	6.00	153.89
NB REST AREA SUBTOTALS	3.01	1.08	270.90	270.90	270.90	13,920.37	602.00	13,920.37
USE	3.25	1.25	271	271	271	13,921	602	13,921
SB REST AREA SEPTIC FIELD & ACCESS RD	2.59	1.98	233.10	233.10	233.10	11,950.90	518.00	11,950.90
SB REST AREA WATER MAIN TRENCH	0.01	0.01	0.90	0.90	0.90	40.44	2.00	40.44
SB REST AREA SANITARY SEWER TRENCH	0.06	0.06	5.40	5.40	5.40	280.00	12.00	280.00
SB REST AREA SUBTOTALS	2.66	2.05	239.40	239.40	239.40	12,271.34	532.00	12,271.34
USE	2.75	2.25	240	240	240	12,272	532	12,272
COMMON AREA WATER MAIN TRENCH	0.47	0.47	42.30	42.30	42.30	2,280.89	94.00	2,280.89
COMMON AREA SUBTOTALS	0.47	0.47	42.30	42.30	42.30	2,280.89	94.00	2,280.89
USE	0.50	0.50	43.00	43.00	43.00	2,281.00	94.00	2,281.00
GRAND TOTALS	6.5	4	554	554	554	28,474	1,228	28,474

FENCE SCHEDULE		
LOCATION	66400105	66405600
	CHAIN LINK FENCE, 4'	CHAIN LINK GATES, 4' X 8' DOUBLE
REST AREA	FOOT	EACH
PROPOSED SEPTIC FIELD (NB)	311.00	1
NB REST AREA SUBTOTALS	311.00	1
PROPOSED SEPTIC FIELD (SB)	260.00	1
SB REST AREA SUBTOTALS	260.00	1
GRAND TOTALS	571	2



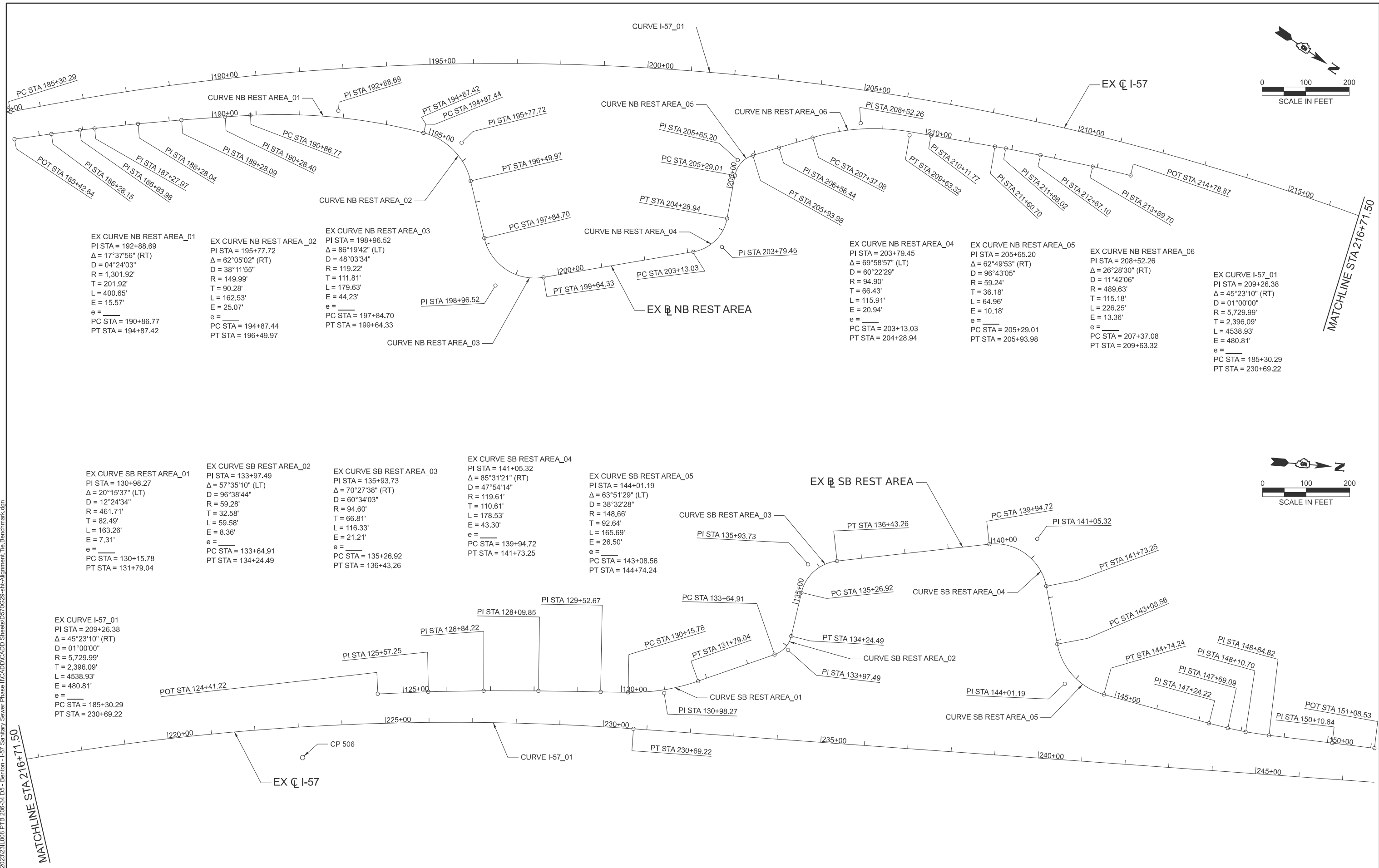
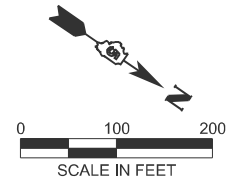
USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
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PLOT SCALE = \$\$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 3/16/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	13
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



EX CURVE NB REST AREA_01
 PI STA = 192+88.69
 $\Delta = 17^\circ 37' 56''$ (RT)
 $D = 04^\circ 24' 03''$
 $R = 1,301.92'$
 $T = 201.92'$
 $L = 400.65'$
 $E = 15.57'$
 $e = \text{---}$
 PC STA = 190+86.77
 PT STA = 194+87.42

EX CURVE NB REST AREA_02
 PI STA = 195+77.72
 $\Delta = 62^\circ 05' 02''$ (RT)
 $D = 38^\circ 11' 55''$
 $R = 149.99'$
 $T = 90.28'$
 $L = 162.53'$
 $E = 25.07'$
 $e = \text{---}$
 PC STA = 194+87.44
 PT STA = 196+49.97

EX CURVE NB REST AREA_03
 PI STA = 198+96.52
 $\Delta = 86^\circ 19' 42''$ (LT)
 $D = 48^\circ 03' 34''$
 $R = 119.22'$
 $T = 111.81'$
 $L = 179.63'$
 $E = 44.23'$
 $e = \text{---}$
 PC STA = 197+84.70
 PT STA = 199+64.33

EX CURVE NB REST AREA_04
 PI STA = 203+79.45
 $\Delta = 69^\circ 58' 57''$ (LT)
 $D = 60^\circ 22' 29''$
 $R = 94.90'$
 $T = 66.43'$
 $L = 115.91'$
 $E = 20.94'$
 $e = \text{---}$
 PC STA = 203+13.03
 PT STA = 204+28.94

EX CURVE NB REST AREA_05
 PI STA = 205+65.20
 $\Delta = 62^\circ 49' 53''$ (RT)
 $D = 96^\circ 43' 05''$
 $R = 59.24'$
 $T = 36.18'$
 $L = 64.96'$
 $E = 10.18'$
 $e = \text{---}$
 PC STA = 205+29.01
 PT STA = 205+93.98

EX CURVE NB REST AREA_06
 PI STA = 208+52.26
 $\Delta = 26^\circ 28' 30''$ (RT)
 $D = 11^\circ 42' 06''$
 $R = 489.63'$
 $T = 115.18'$
 $L = 226.25'$
 $E = 13.36'$
 $e = \text{---}$
 PC STA = 207+37.08
 PT STA = 209+63.32

EX CURVE I-57_01
 PI STA = 185+30.29
 $\Delta = 45^\circ 23' 10''$ (RT)
 $D = 01^\circ 00' 00''$
 $R = 5,729.99'$
 $T = 2,396.09'$
 $L = 4538.93'$
 $E = 480.81'$
 $e = \text{---}$
 PC STA = 185+30.29
 PT STA = 230+69.22

EX CURVE SB REST AREA_01
 PI STA = 130+98.27
 $\Delta = 20^\circ 15' 37''$ (LT)
 $D = 12^\circ 24' 34''$
 $R = 461.71'$
 $T = 82.49'$
 $L = 163.26'$
 $E = 7.31'$
 $e = \text{---}$
 PC STA = 130+15.78
 PT STA = 131+79.04

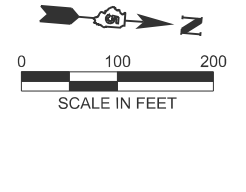
EX CURVE SB REST AREA_02
 PI STA = 133+97.49
 $\Delta = 57^\circ 35' 10''$ (LT)
 $D = 96^\circ 38' 44''$
 $R = 59.28'$
 $T = 32.58'$
 $L = 59.58'$
 $E = 8.36'$
 $e = \text{---}$
 PC STA = 133+64.91
 PT STA = 134+24.49

EX CURVE SB REST AREA_03
 PI STA = 135+93.73
 $\Delta = 70^\circ 27' 38''$ (RT)
 $D = 60^\circ 34' 03''$
 $R = 94.60'$
 $T = 66.81'$
 $L = 116.33'$
 $E = 21.21'$
 $e = \text{---}$
 PC STA = 135+26.92
 PT STA = 136+43.26

EX CURVE SB REST AREA_04
 PI STA = 141+05.32
 $\Delta = 85^\circ 31' 21''$ (RT)
 $D = 47^\circ 54' 14''$
 $R = 119.61'$
 $T = 110.61'$
 $L = 178.53'$
 $E = 43.30'$
 $e = \text{---}$
 PC STA = 139+94.72
 PT STA = 141+73.25

EX CURVE SB REST AREA_05
 PI STA = 144+01.19
 $\Delta = 63^\circ 51' 29''$ (LT)
 $D = 38^\circ 32' 28''$
 $R = 148.66'$
 $T = 92.64'$
 $L = 165.69'$
 $E = 26.50'$
 $e = \text{---}$
 PC STA = 143+08.56
 PT STA = 144+74.24

EX CURVE I-57_01
 PI STA = 209+26.38
 $\Delta = 45^\circ 23' 10''$ (RT)
 $D = 01^\circ 00' 00''$
 $R = 5,729.99'$
 $T = 2,396.09'$
 $L = 4538.93'$
 $E = 480.81'$
 $e = \text{---}$
 PC STA = 185+30.29
 PT STA = 230+69.22



MODEL: GOODALL I-57 - Plan 1-1 (Sheet)
 FILE NAME: S:\2023\23008 PTB 206-34 D5 - Benion - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shh-Alignment_Tie_Benchmark.dgn



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - M. GLIME	REVISED -
PLOT DATE = 3/16/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=100' SHEET 1 OF 2 SHEETS STA. 185+22.13 R11 TO STA. 247+71.50 R11

F.A.I. RTE. 57	SECTION RA 2023-1	COUNTY CHAMPAIGN	TOTAL SHEETS 71	SHEET NO. 14
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: Table (Sheet)
 FILE NAME: S:\2023\231\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\I-57-ahh-Alignment_Tie_Benchmark.dgn

ALIGNMENT CONTROL TABLE (I-57)				
CURVE	DESCRIPTION/STA.	NORTHING	EASTING	RADIUS
I-57_01	PC	185+30.29	1184189.117	994487.592
	PI	209+26.38	1185857.505	992767.794
	PT	230+69.22	1188253.505	992747.582

ALIGNMENT CONTROL TABLE (SB REST AREA)				
CURVE	DESCRIPTION/STA.	NORTHING	EASTING	RADIUS
	POT	124+41.22	1187662.451	992714.811
	PI	125+57.25	1187777.629	992700.776
	PI	126+84.22	1187903.977	992688.206
	PI	128+09.85	1188029.224	992678.397
	PI	129+52.67	1188171.744	992669.141
	PC	130+15.78	1188234.73	992665.231
REST AREA (SB)_01	PI	130+98.27	1188317.064	992660.121
	PT	131+79.04	1188392.535	992626.816
REST AREA (SB)_02	PC	133+64.91	1188562.576	992551.776
	PI	133+97.49	1188592.385	992538.621
REST AREA (SB)_03	PT	134+24.49	1188597.258	992506.405
	PC	135+26.92	1188612.579	992405.125
REST AREA (SB)_04	PI	135+93.73	1188622.571	992339.070
	PT	136+43.26	1188688.164	992326.394
REST AREA (SB)_05	PC	139+94.72	1189033.239	992259.708
	PI	141+05.32	1189141.836	992238.722
	PT	141+73.25	1189171.236	992345.349
REST AREA (SB)_06	PC	143+08.56	1189207.203	992475.792
	PI	144+01.19	1189231.827	992565.097
	PT	144+74.24	1189322.846	992582.339
	PI	147+24.22	1189568.459	992628.867
	PI	147+69.09	1189612.673	992636.464
	PI	148+10.70	1189653.937	992641.836
	PI	148+64.82	1189707.928	992645.560
	PI	150+10.84	1189853.834	992651.310
	POT	151+08.53	1189951.446	992655.367

ALIGNMENT CONTROL TABLE (NB REST AREA)				
CURVE	DESCRIPTION/STA.	NORTHING	EASTING	RADIUS
	POT	185+42.64	1184231.958	994533.635
	PI	186+28.15	1184294.848	994475.702
	PI	186+93.98	1184343.744	994431.622
	PI	187+27.97	1184369.234	994409.132
	PI	188+28.04	1184445.258	994344.068
	PI	189+28.09	1184522.292	994280.218
	PI	190+28.41	1184600.512	994217.415
	PC	190+86.77	1184646.737	994181.783
	PI	192+88.69	1184806.662	994058.507
REST AREA (NB)_01	PT	194+87.42	1184996.415	993989.465
REST AREA (NB)_02	PC	194+87.44	1184996.398	993989.471
	PI	195+77.72	1185081.232	993958.604
REST AREA (NB)_03	PT	196+49.97	1185148.225	994019.115
	PC	197+84.70	1185248.209	994109.426
REST AREA (NB)_04	PI	198+96.52	1185331.185	994184.374
	PT	199+64.33	1185411.293	994106.368
REST AREA (NB)_05	PC	203+13.03	1185661.112	993863.103
	PI	203+79.45	1185708.704	993816.760
REST AREA (NB)_06	PT	204+28.94	1185681.451	993756.179
	PC	205+29.01	1185640.395	993664.914
REST AREA (NB)_07	PI	205+65.20	1185625.551	993631.917
	PT	205+93.98	1185648.13	993603.644
	PI	206+56.45	1185687.111	993554.831
REST AREA (NB)_08	PC	207+37.08	1185737.667	993492.016
	PI	208+52.26	1185809.883	993402.287
	PT	209+63.32	1185914.527	993354.163
REST AREA (NB)_09	PI	210+11.77	1185958.542	993333.921
	PI	211+60.70	1186093.844	993271.684
	PI	211+86.02	1186116.822	993261.054
REST AREA (NB)_10	PI	212+67.10	1186191.232	993228.844
	PI	213+89.70	1186304.62	993182.230
	POT	214+78.87	1186387.748	993149.947

HORIZONTAL / VERTICAL CONTROL POINTS						
PT#	DESCRIPTION	NORTHING	EASTING	ELEVATION	STATION	OFFSET
CP402	IRON PIN W/IDOT CAP	1143262.942	1003510.781	654.26	582+16.69	-18.40
CP107	BRASS DISK IN CONCRETE	1149958.747	1003530.119	677.76	649+12.50	0.04
CP109	BRASS DISK IN CONCRETE	1155042.190	1003530.740	683.73	699+99.13	-0.03
CP113	BRASS DISK IN CONCRETE	1161641.673	1003483.605	694.33	766+01.15	0.05
CP121	BRASS DISK IN CONCRETE	1169421.272	1003339.202	694.36	843+82.09	0.06
CP129	BRASS DISK IN CONCRETE	1177304.146	1001584.723	711.00	927+43.14	0.00
STATION EQUATION 945+51.49 BK=104+50 AH						
CP1	BRASS DISK IN CONCRETE	1183115.384	995594.392	693.84	169+88.24	-0.01
CP506	IRON PIN W/IDOT CAP	1187502.136	992874.549	693.67	223+05.19	70.39
CP135	BRASS DISK IN CONCRETE	1193183.615	992706.704	683.59	279+99.50	0.46
CP138	BRASS DISK IN CONCRETE	1200282.532	992647.284	685.46	350+98.66	0.12



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - M. GLIME	REVISED -
PLOT DATE = 3/16/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES AND BENCHMARKS
 I-57 ILLINI PRAIRIE REST AREAS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	15
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

STAGE CONSTRUCTION NOTES:

TRAFFIC CONTROL

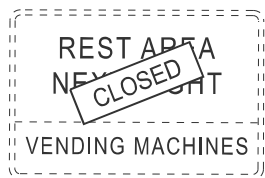
USE HIGHWAY STANDARD 701451 FOR NORTHBOUND TRAFFIC CONTROL. ALL BARRICADES AND SIGNAGE SHALL BE IN PLACE PRIOR TO STARTING ANY CONSTRUCTION OPERATIONS. SEE DETAILS ON THIS SHEET FOR MODIFICATIONS TO EXISTING SIGNS.

CONSTRUCTION

PERFORM ALL CONTRACT WORK WITH TRAFFIC CONTROL DESCRIBED ABOVE.

WATERMAIN INSTALLATION

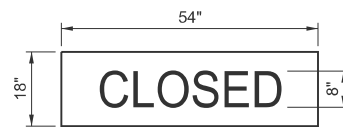
SEE SPECIAL PROVISIONS FOR THE TRAFFIC CONTROL PLAN RELATED TO WATERMAIN INSTALLATION.



D5-1A-132XX
± STA 167+00 RT (NB)
(SEE COVER PANEL A)



D5-2-13266
± STA 188+10 RT (NB)
(SEE COVER PANEL A)



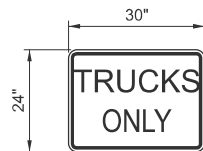
COVER PANEL A



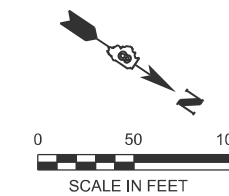
D5-1A-132XX
± STA 149+00 RT (NB)
(SEE COVER PANEL A)



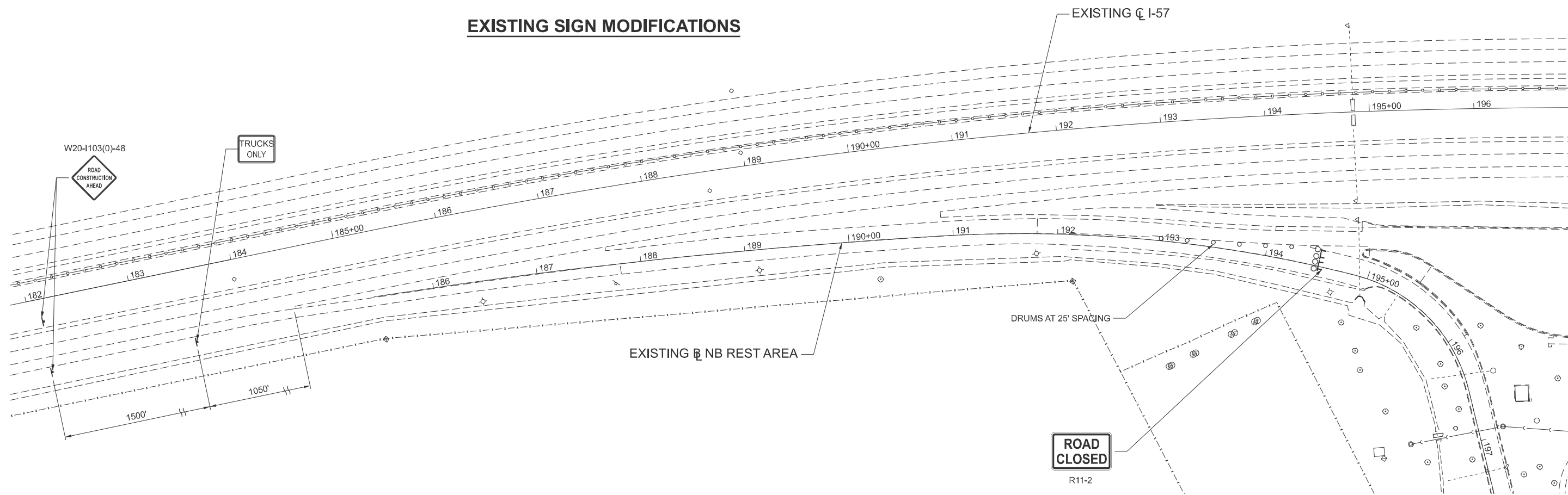
D5-2A-7878
± STA 191+20 RT (NB)
(SEE COVER PANEL A)



CUSTOM PANEL



EXISTING SIGN MODIFICATIONS



LEGEND

- ┆ SIGN
- ⊕ TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM

MODEL: Unnamed Plan - Plan 1 [Sheet]
FILE NAME: S:\2023\2311\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shststaging.dgn

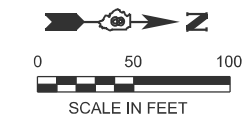


USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - J. STRINGER	REVISED -
PLOT DATE = 3/17/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING PLAN (NB) I-57 ILLINI PRAIRIE REST AREA			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	TO STA. 35+00.00

F.A.I. RTE. 57	SECTION RA 2023-1	COUNTY CHAMPAIGN	TOTAL SHEETS 71	SHEET NO. 16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70G29	

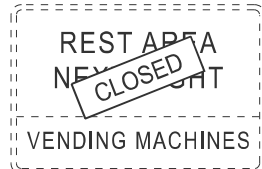


STAGE CONSTRUCTION NOTES:

TRAFFIC CONTROL
 USE HIGHWAY STANDARD 701451 FOR SOUTHBOUND TRAFFIC CONTROL. ALL BARRICADES AND SIGNAGE SHALL BE IN PLACE PRIOR TO STARTING ANY CONSTRUCTION OPERATIONS. SEE DETAILS ON THIS SHEET FOR MODIFICATIONS TO EXISTING SIGNS.

CONSTRUCTION
 PERFORM ALL CONTRACT WORK WITH TRAFFIC CONTROL DESCRIBED ABOVE.

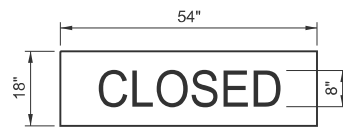
WATERMAIN INSTALLATION
 SEE SPECIAL PROVISIONS FOR THE TRAFFIC CONTROL PLAN RELATED TO WATERMAIN INSTALLATION.



D5-1A-132XX
 ± STA 267+90 LT (SB)
 (SEE COVER PANEL A)



D5-2-13266
 ± STA 247+85 (SB)
 (SEE COVER PANEL A)



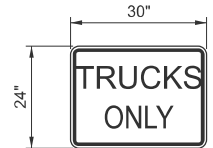
COVER PANEL A



D5-1A-132XX
 ± STA 301+00 LT (SB)
 (SEE COVER PANEL A)

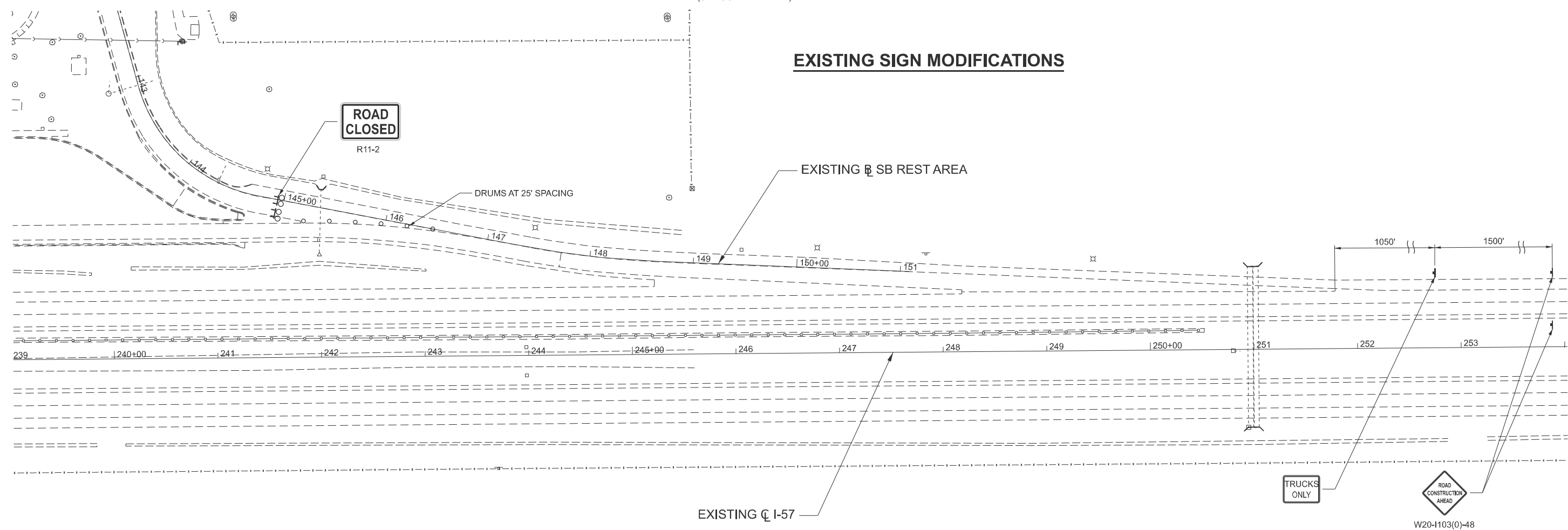


D5-2A-7878
 ± STA 244+60 LT (SB)
 (SEE COVER PANEL A)



CUSTOM PANEL

EXISTING SIGN MODIFICATIONS



LEGEND

- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM

MODEL: Unnamed Plan - Plan 3 [Sheet]
 FILE NAME: S:\2023\231108 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shhs-staging.dgn



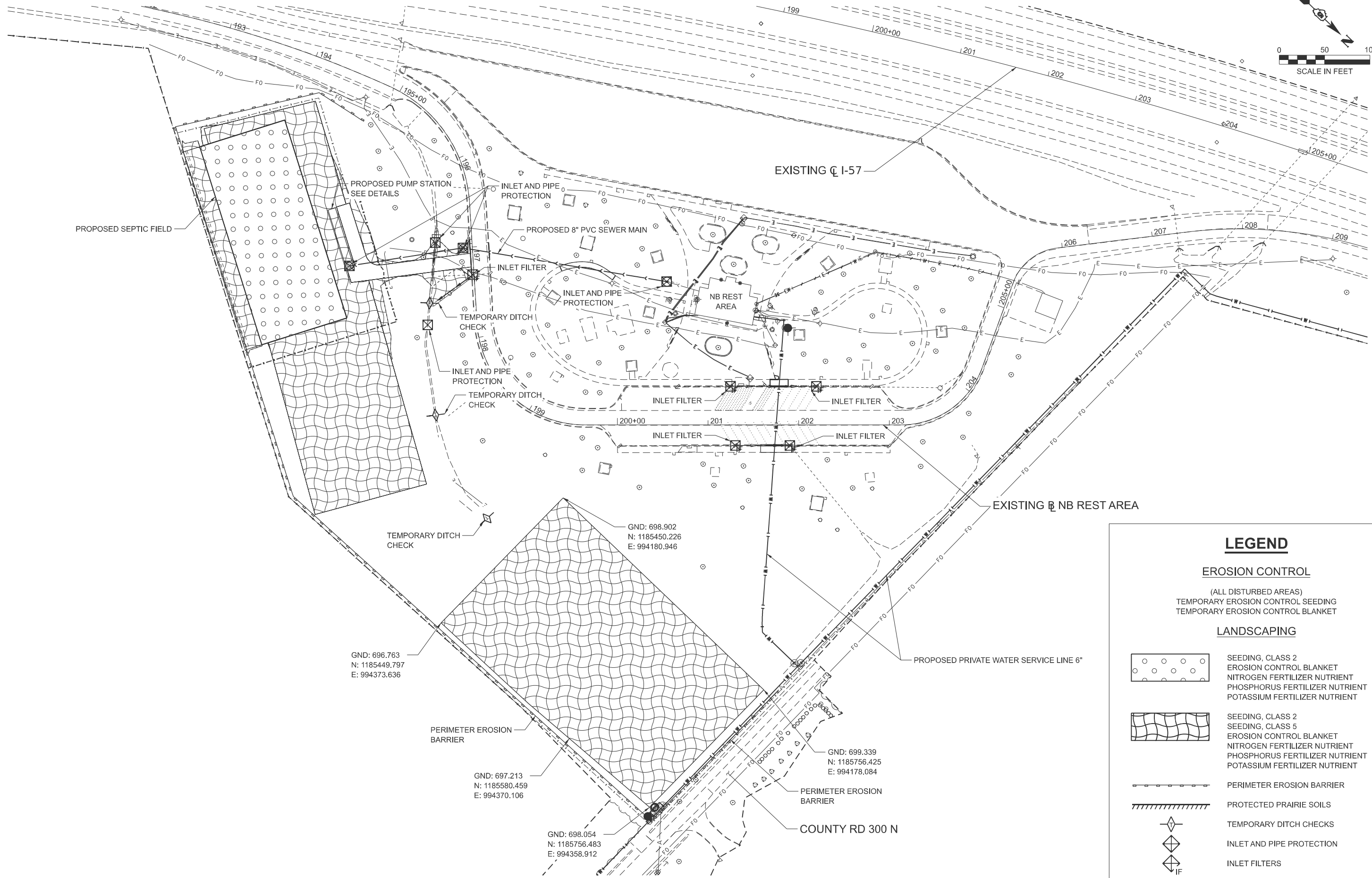
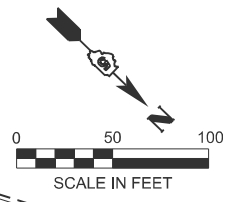
USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - J. STRINGER	REVISED -
PLOT DATE = 3/17/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGING PLAN (SB)
 I-57 ILLINI PRAIRIE REST AREA**

SCALE: SHEET 2 OF 2 SHEETS STA. 0+00.00 TO STA. 35+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	17
CONTRACT NO. 70G29			ILLINOIS FED. AID PROJECT	

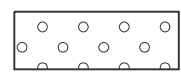
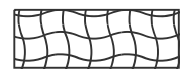







LEGEND

EROSION CONTROL

(ALL DISTURBED AREAS)
 TEMPORARY EROSION CONTROL SEEDING
 TEMPORARY EROSION CONTROL BLANKET

LANDSCAPING

-  SEEDING, CLASS 2
 EROSION CONTROL BLANKET
 NITROGEN FERTILIZER NUTRIENT
 PHOSPHORUS FERTILIZER NUTRIENT
 POTASSIUM FERTILIZER NUTRIENT
-  SEEDING, CLASS 5
 EROSION CONTROL BLANKET
 NITROGEN FERTILIZER NUTRIENT
 PHOSPHORUS FERTILIZER NUTRIENT
 POTASSIUM FERTILIZER NUTRIENT
-  PERIMETER EROSION BARRIER
-  PROTECTED PRAIRIE SOILS
-  TEMPORARY DITCH CHECKS
-  INLET AND PIPE PROTECTION
-  INLET FILTERS

MODEL: NBRESTAREA - NB (Sheet)
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-eh-Erosion.dgn



USER NAME = RGoertz	DESIGNED - C. JONES	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - M. GLIME	REVISED -
PLOT DATE = 5/30/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

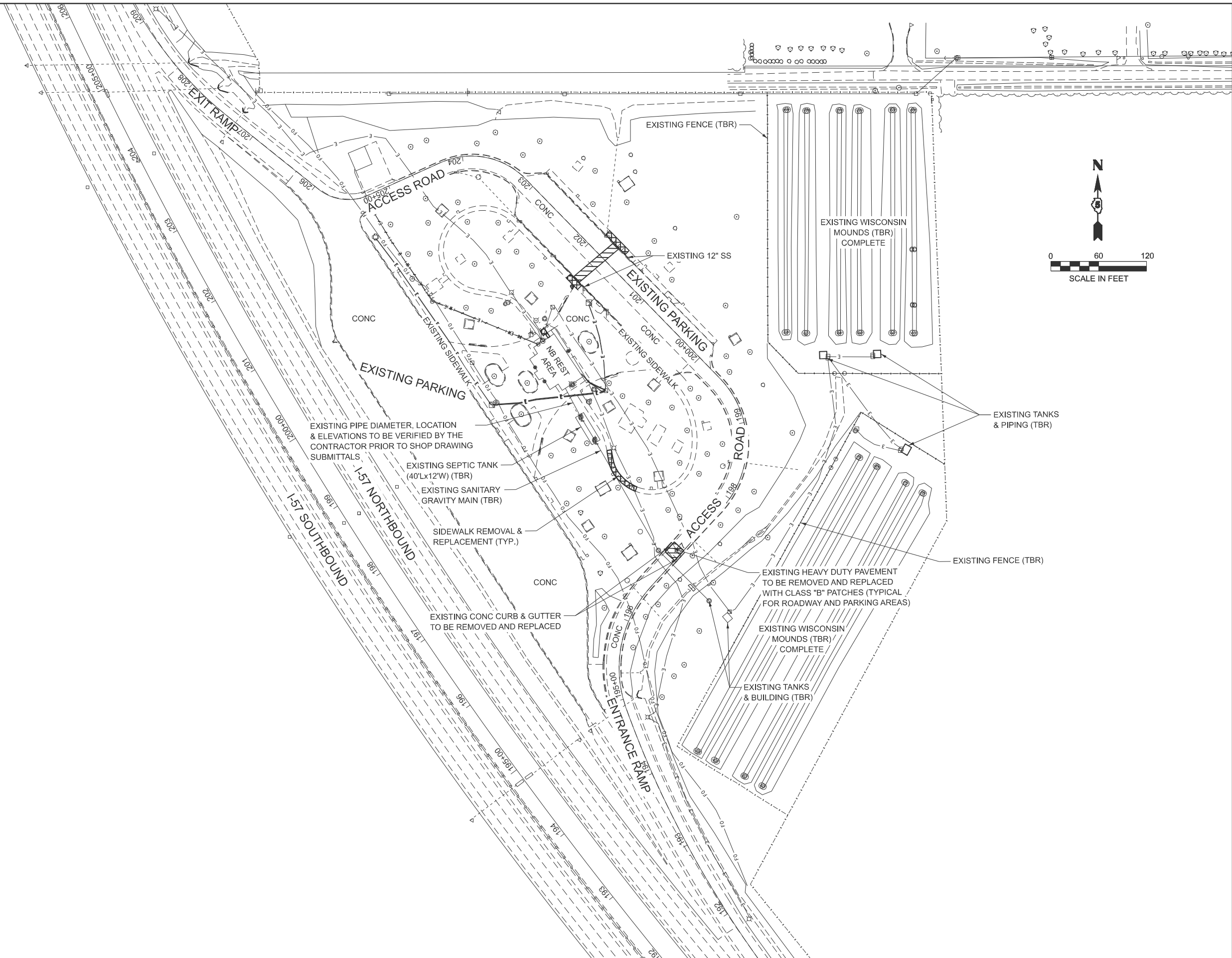
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - EROSION CONTROL / LANDSCAPING (NB)
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 191+00.00 TO STA. 206+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	18
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: RemovalRest Area South [Sheet]
 FILE NAME: S:\2023\231\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\CADD\CADD Sheets\0570G29-200-sh-Removal-North.dgn



USER NAME	= RGoertz	DESIGNED	- C. JONES	REVISED	-
DRAWN	- R. GOERTZ	REVISIONS	-	DATE	-
CHECKED	- J. HEADEN	DATE	- MARCH 2026	REVISED	-
PLOT DATE	= 3/13/2026				

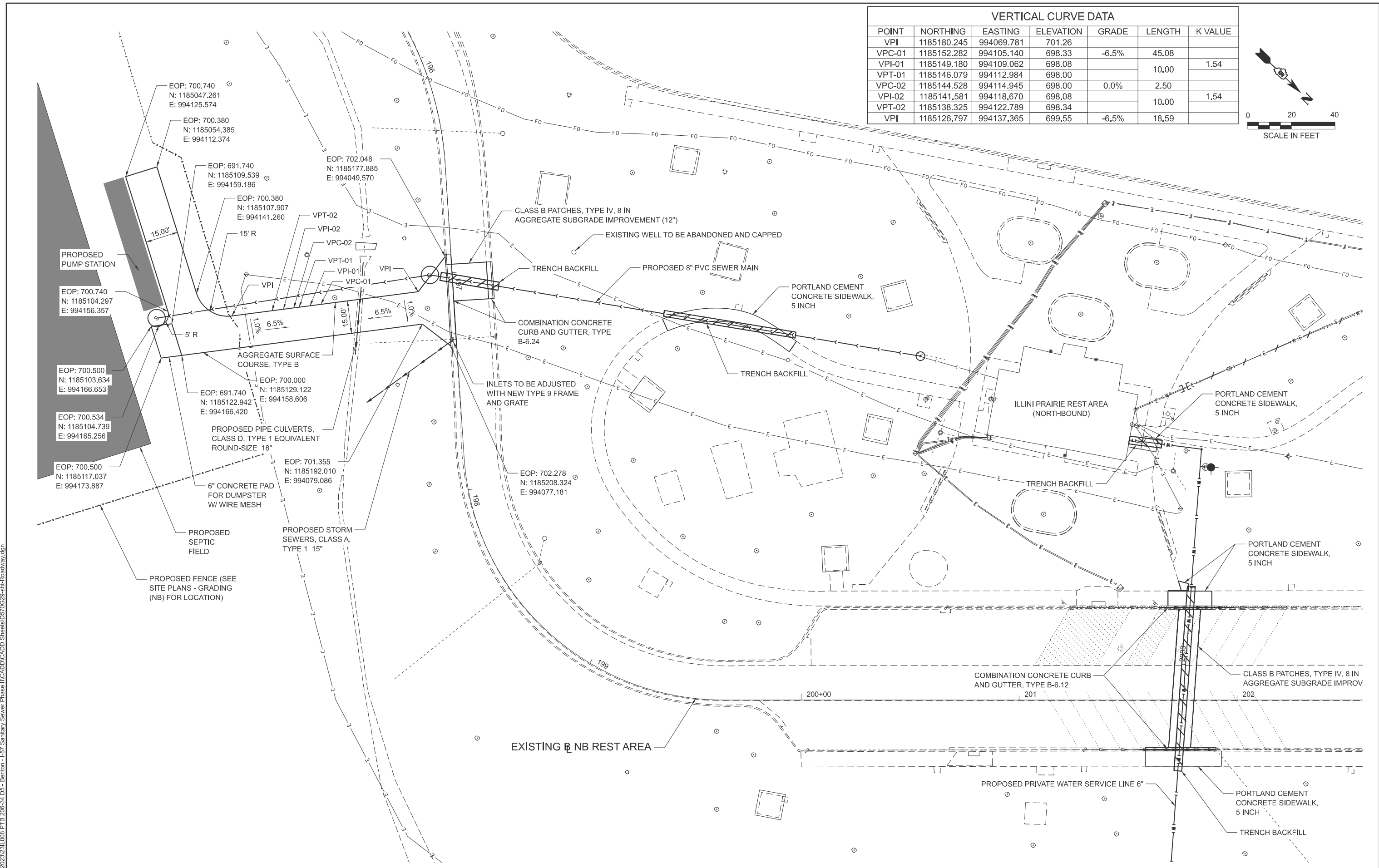
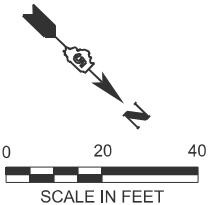
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN - NORTHBOUND
 I-57 ILLINI PRAIRIE REST AREA**

SCALE: 1" = 60' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	19
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

VERTICAL CURVE DATA						
POINT	NORTHING	EASTING	ELEVATION	GRADE	LENGTH	K VALUE
VPI	1185180.245	994069.781	701.26			
VPC-01	1185152.282	994105.140	698.33	-6.5%	45.08	
VPI-01	1185149.180	994109.062	698.08		10.00	1.54
VPT-01	1185146.079	994112.984	698.00			
VPC-02	1185144.528	994114.945	698.00	0.0%	2.50	
VPI-02	1185141.581	994118.670	698.08		10.00	1.54
VPT-02	1185138.325	994122.789	698.34			
VPI	1185126.797	994137.365	699.55	-6.5%	18.59	



MODEL: NB RDWAY Plan-1 [Sheet]
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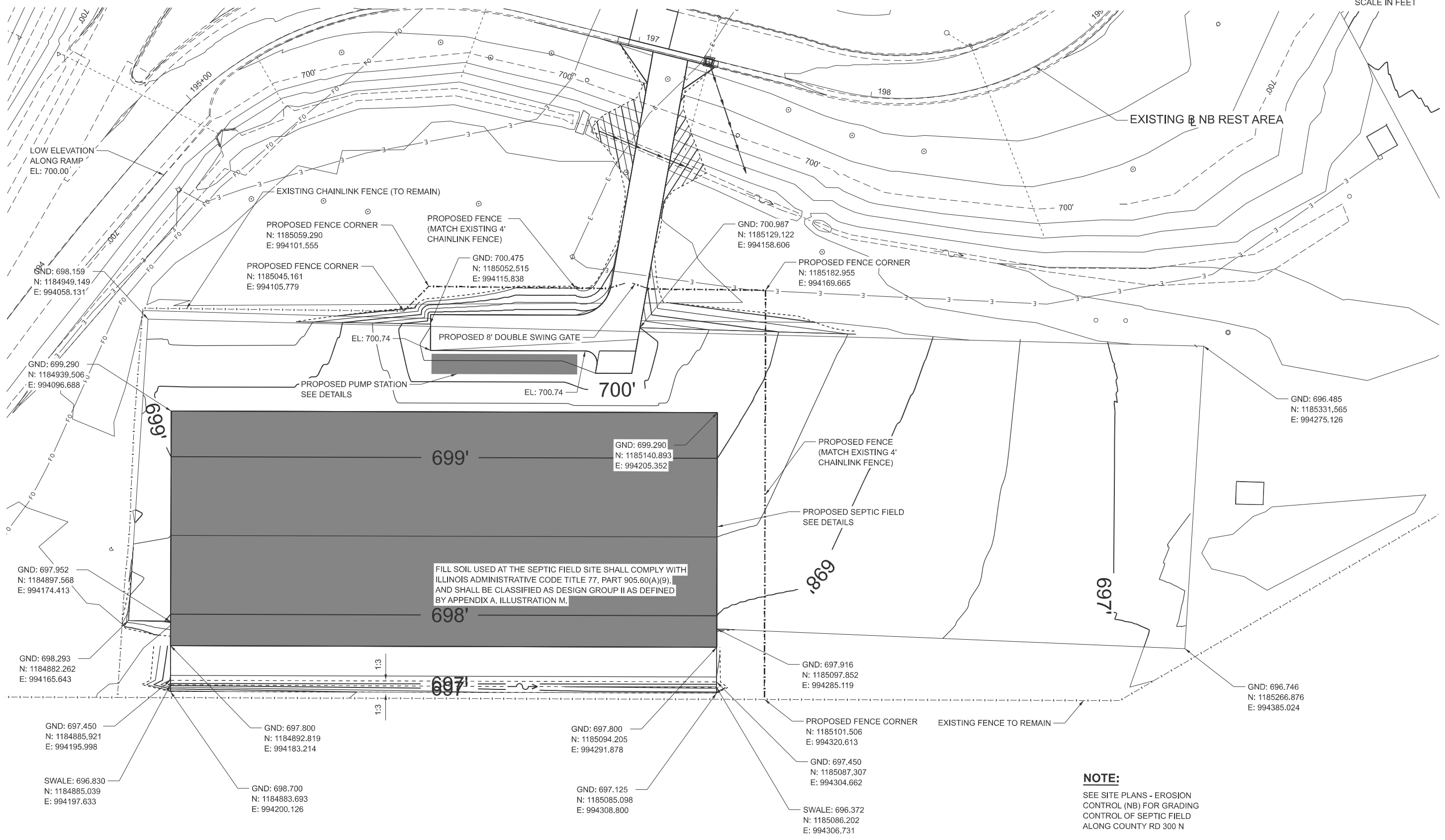
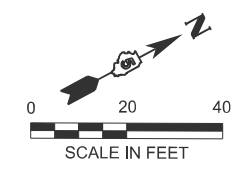
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DRAWN - M. GLIME	CHECKED - J. HEADEN	REVISED -
PLOT SCALE = \$SCALE\$	DATE - MARCH 2026	REVISED -
PLOT DATE = 5/19/2026		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - DESIGN (NB)
I-57 ILLINI PRAIRIE REST AREA**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 2000+00.00 TO STA. 2004+26.37

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	20
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



NOTE:
SEE SITE PLANS - EROSION CONTROL (NB) FOR GRADING CONTROL OF SEPTIC FIELD ALONG COUNTY RD 300 N

MODEL: NPRESTAREA - NB (Sheet)
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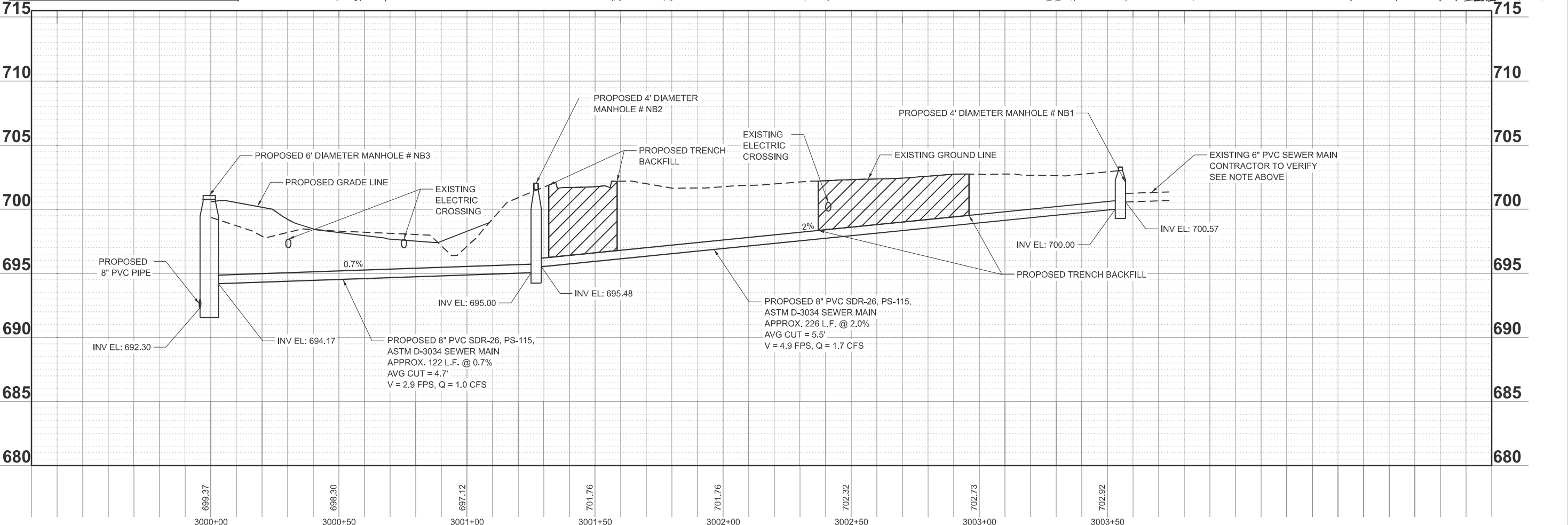
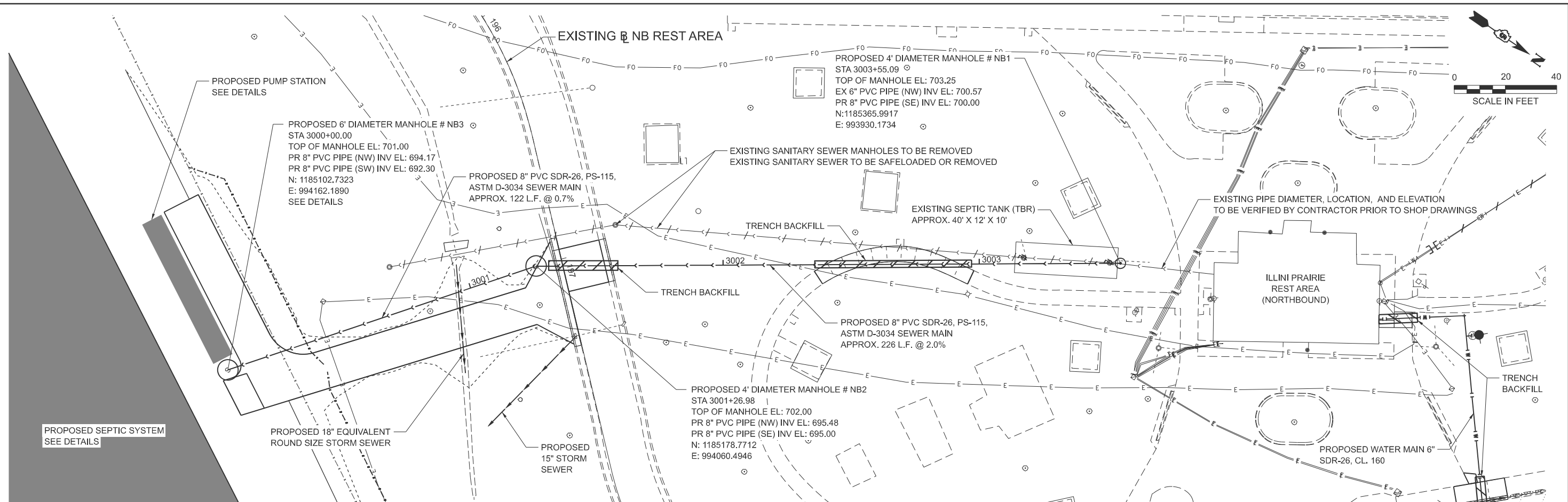
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PLOT SCALE = \$SCALE\$	DRAWN - M. GLIME	REVISED -
PLOT DATE = 3/16/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - GRADING (NB)
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 192+17.43 TO STA. 198+17.43

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	21
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: S - Plan 1 [Sheet]
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-P1n4-Sanitary.dgn

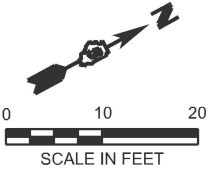
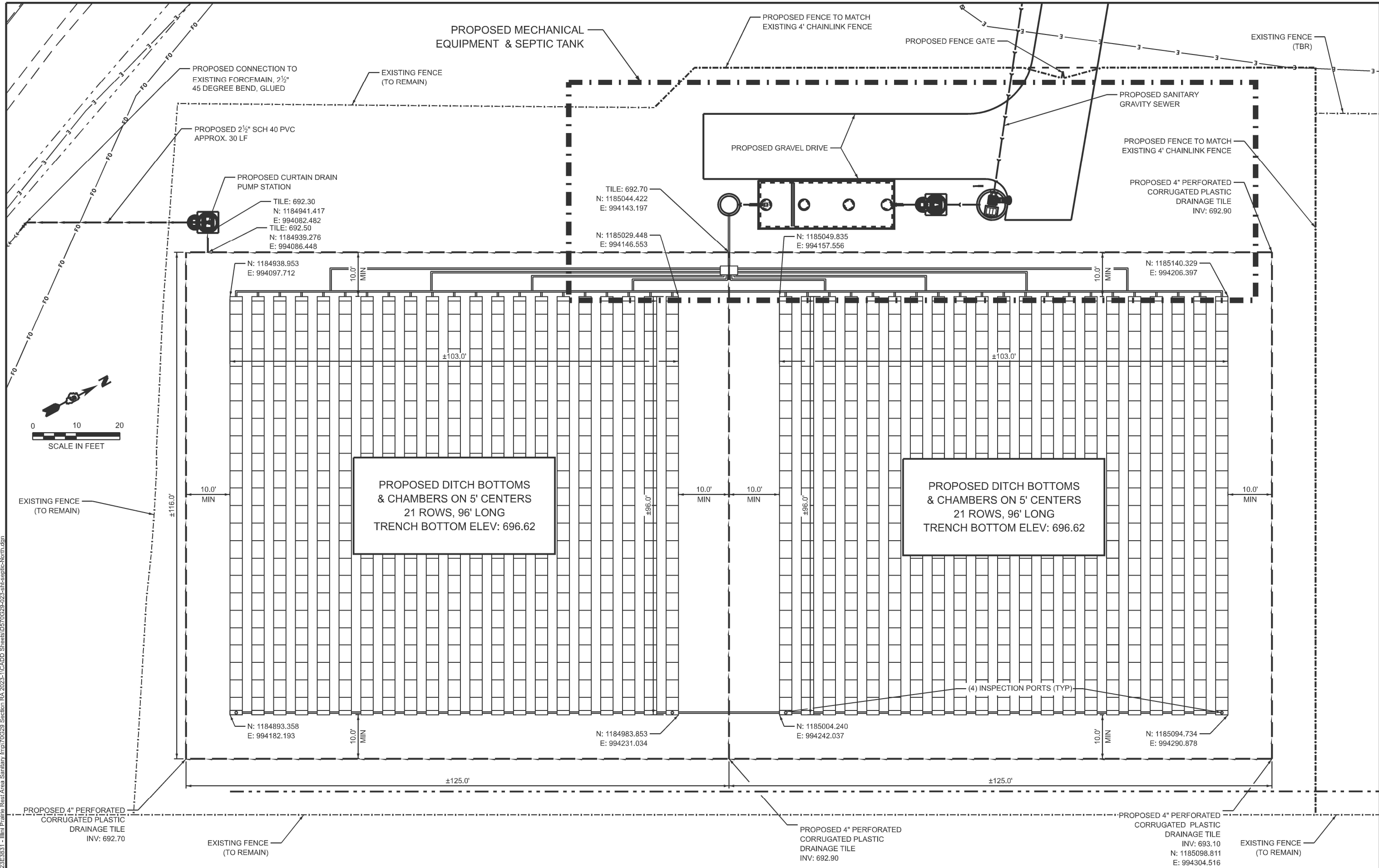


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	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 5/30/2026	DATE - MARCH 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SANITARY LINE PLAN AND PROFILE (NB)
I-57 ILLINI PRAIRIE REST AREA
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 3000+00.00 TO STA. 3003+92.29

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	22
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: - Septic - North (Sheet)
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USER NAME = rshaw	DESIGNED - ELD	REVISED -
	DRAWN - RDS	REVISED -
	CHECKED - CCJ	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

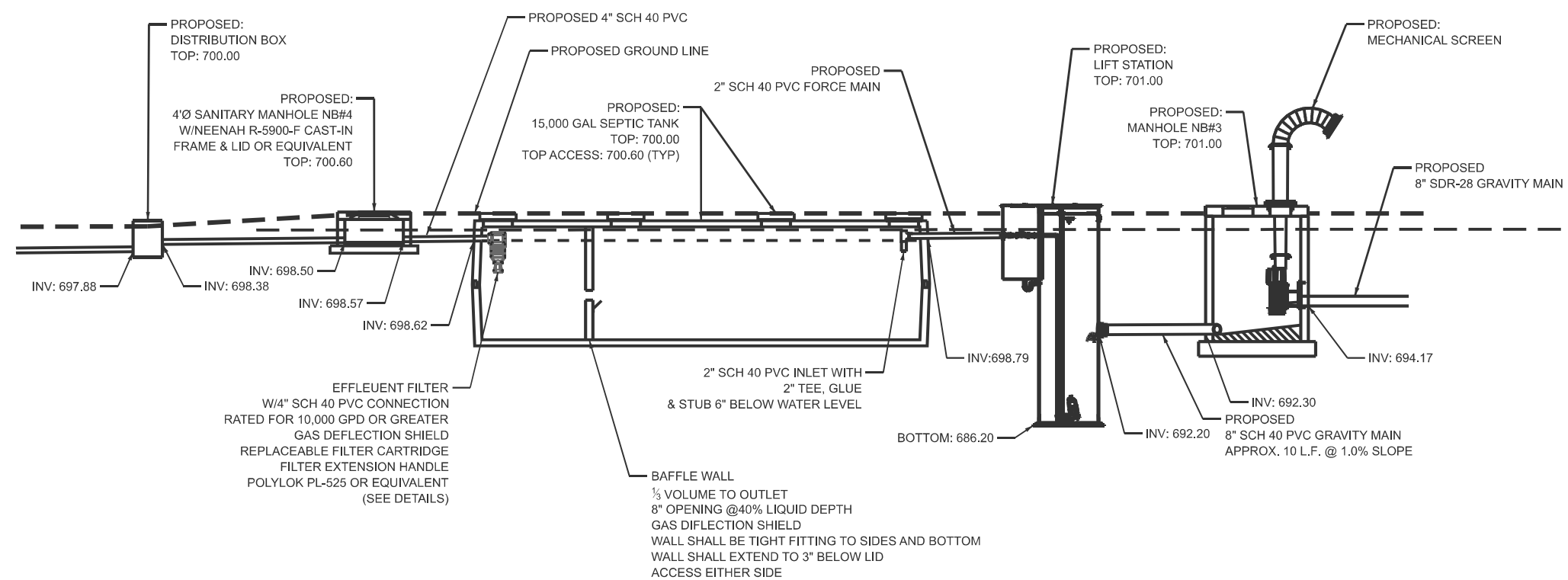
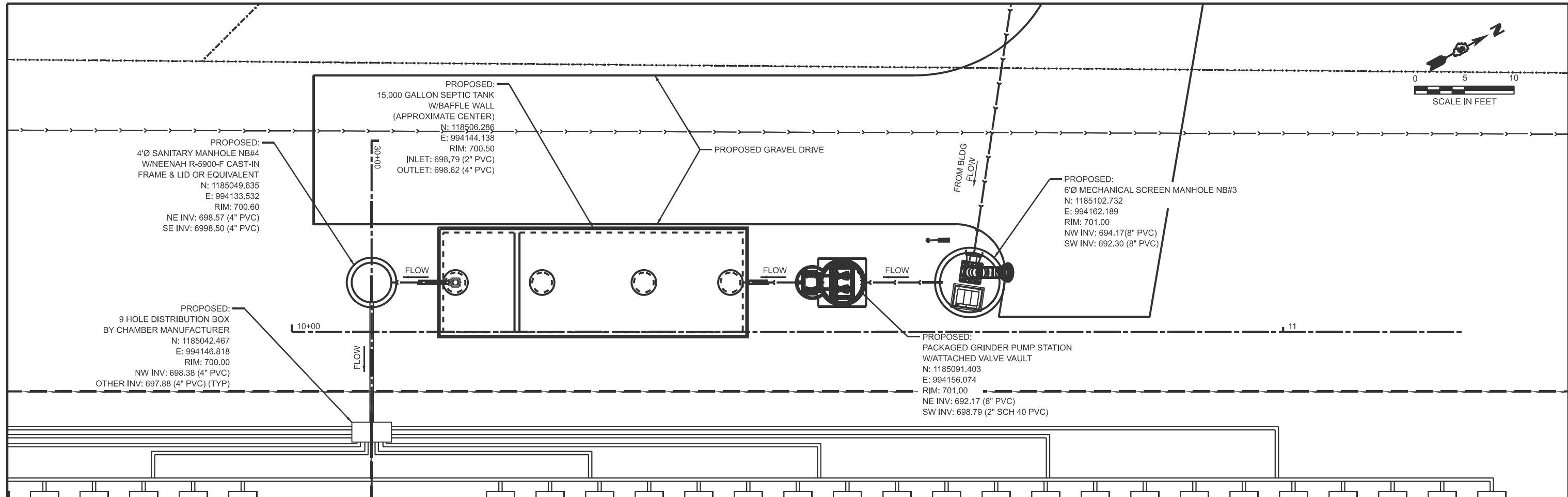
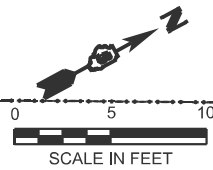
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEPTIC SYSTEM LAYOUT - NORTHBOUND
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=10'

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	23
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: PUMP-STATION-NORTH - Pump - Sta - North - Plan 1 [Sheet]
 FILE NAME: P:\2023\RA 2023-1\CADD Sheets\057029-024-shp-dmproj\North-1.dgn

BENTON ENGINEERING
 1975 Lafayette Avenue
 Jacksonville, IL 62156
 (217) 285-4146
 bentoneng.com

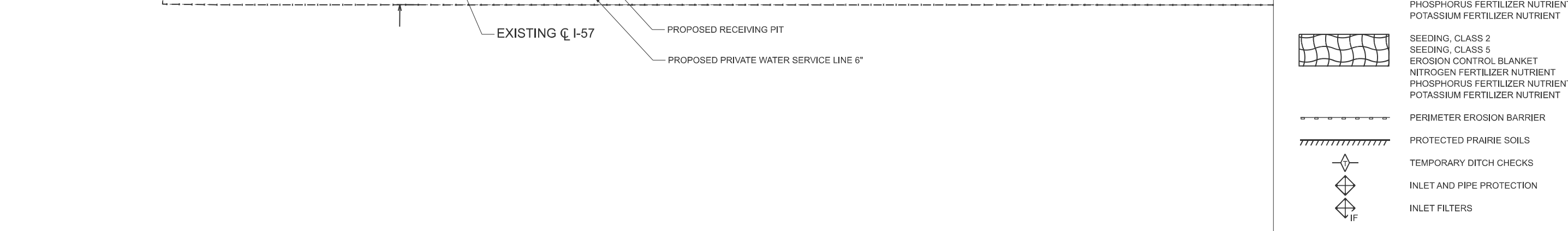
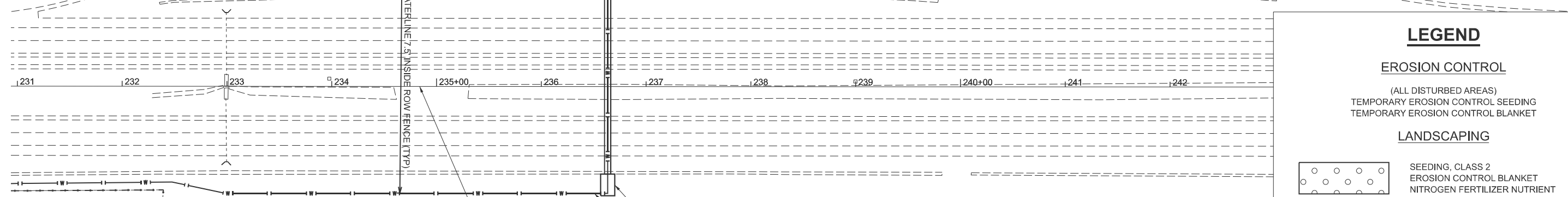
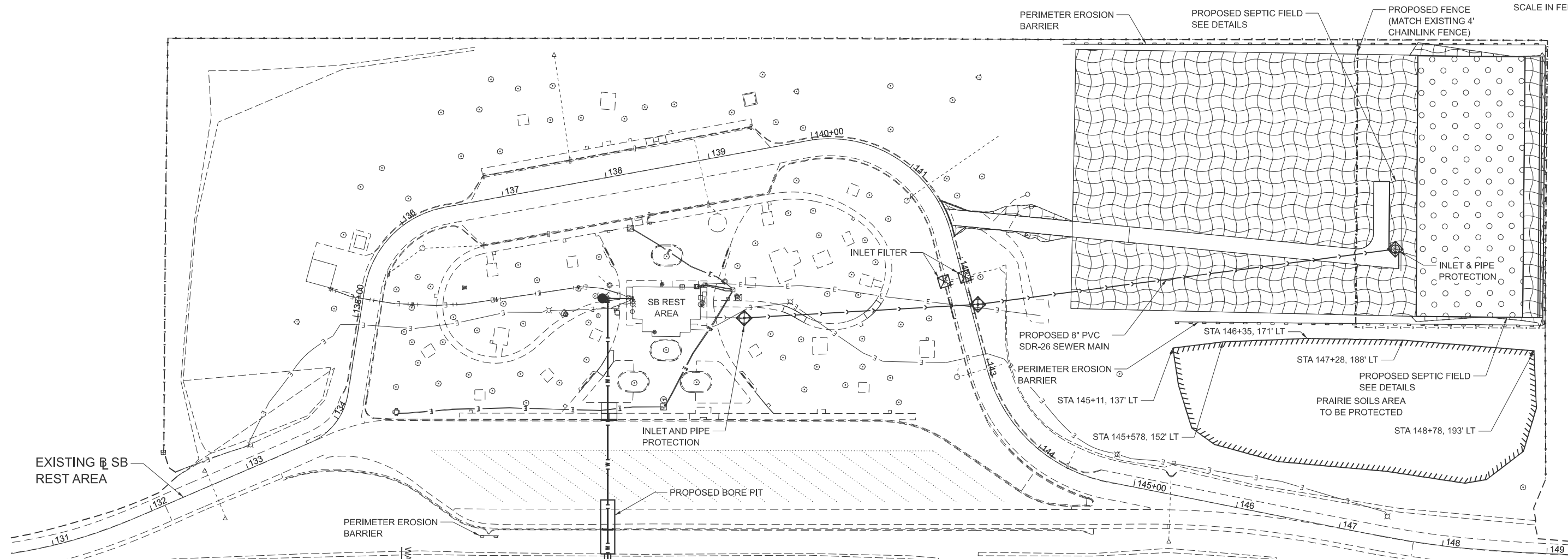
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	CHECKED - CCJ	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PUMP STATION PLAN & PROFILE - NORTHBOUND
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. 9+50.00 TO STA. 12+50.00

F.A.I. RTE. 57	SECTION RA 2023-1	COUNTY CHAMPAIGN	TOTAL SHEETS 71	SHEET NO. 24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70G29	



LEGEND	
EROSION CONTROL	
(ALL DISTURBED AREAS)	
	TEMPORARY EROSION CONTROL SEEDING
	TEMPORARY EROSION CONTROL BLANKET
LANDSCAPING	
	SEEDING, CLASS 2
	EROSION CONTROL BLANKET
	NITROGEN FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	SEEDING, CLASS 5
	EROSION CONTROL BLANKET
	NITROGEN FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	PERIMETER EROSION BARRIER
	PROTECTED PRAIRIE SOILS
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION
	INLET FILTERS

MODEL: SRRESTAREA - SB [Sheet]
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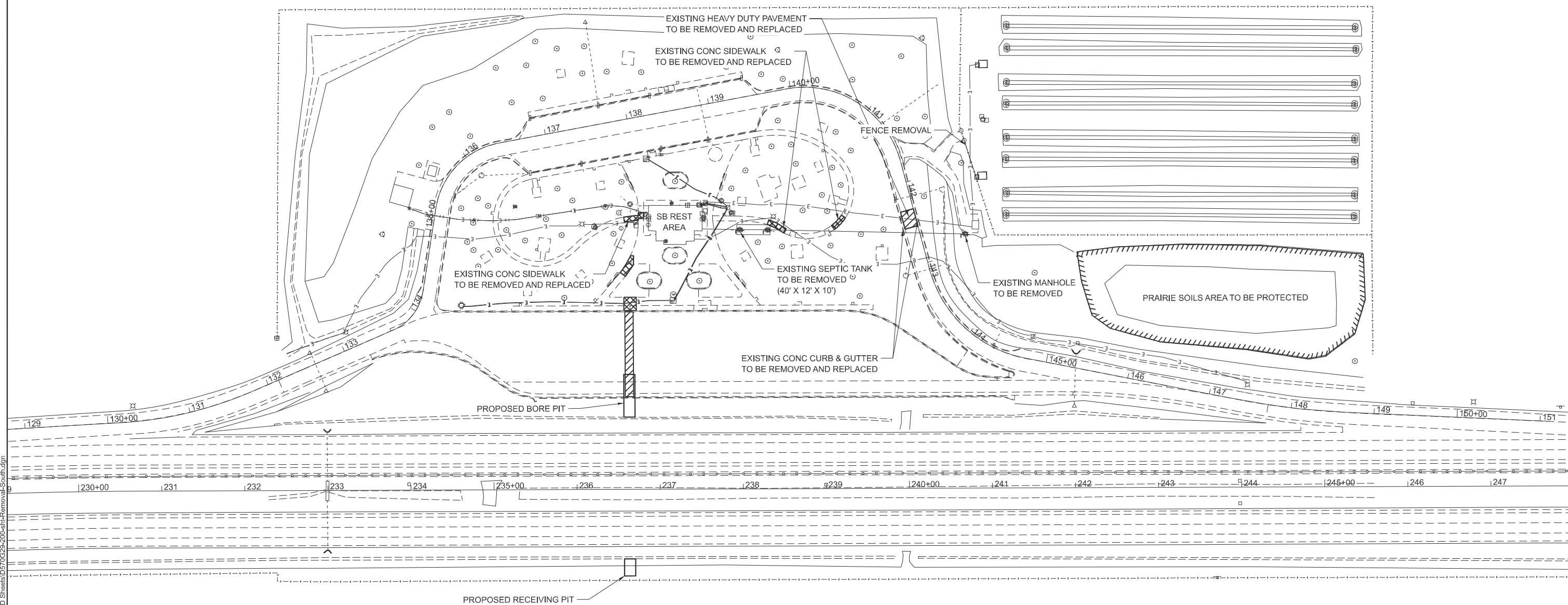
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DRAWN	- M. GLIME	REVISIONS	-	DATE	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	= 5/30/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - EROSION CONTROL / LANDSCAPING (SB)
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 133+41.96 TO STA. 148+41.96

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	25
			CONTRACT NO. 70G29	
ILLINOIS / FED. AID PROJECT				



MODEL: RemovalRest Area North (Sheet)
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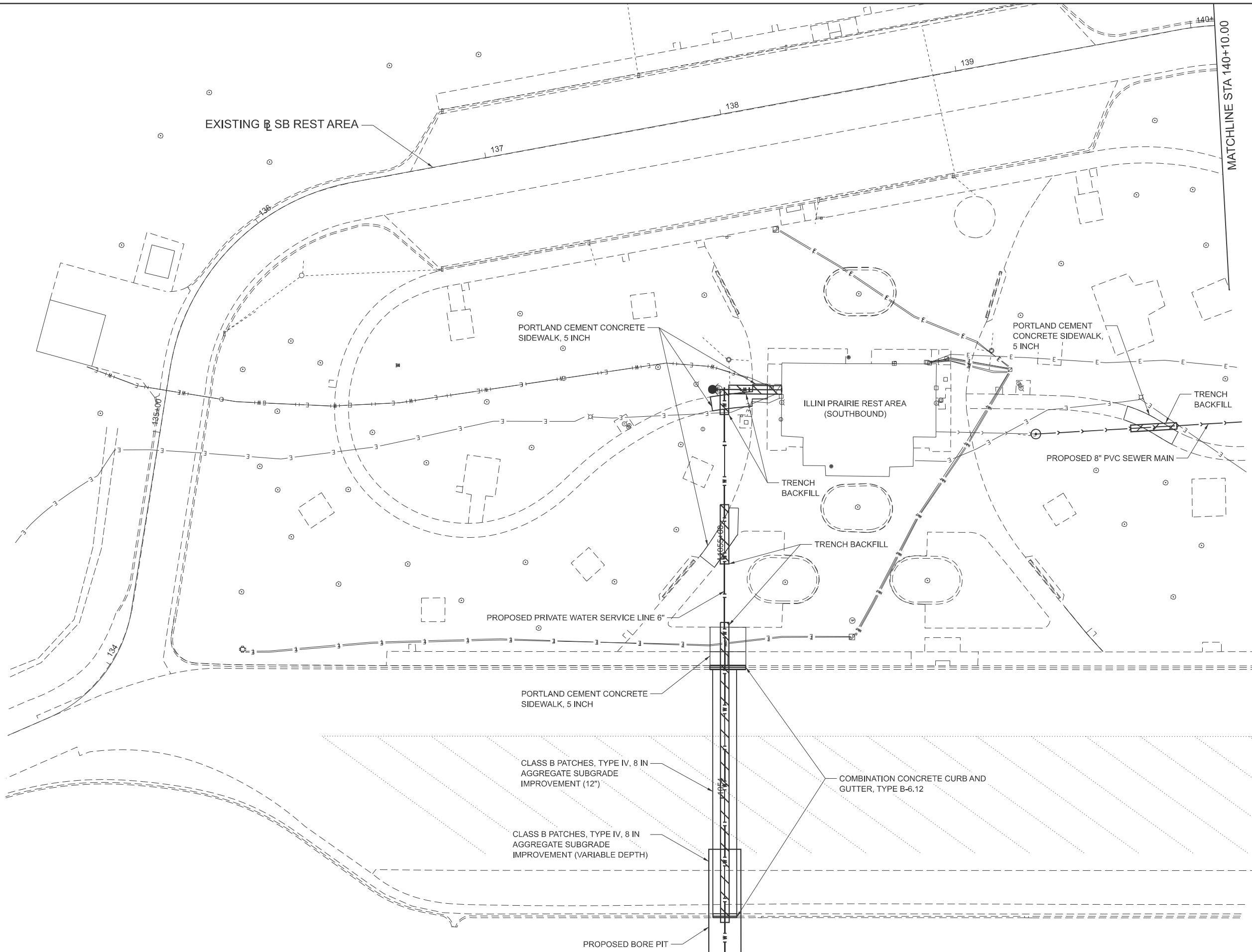
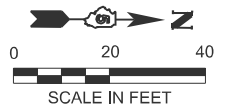
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DRAWN	- R. GOERTZ	CHECKED	- J. HEADEN	REVISED	-
PLOT SCALE	= \$\$SCALE\$	DATE	- MARCH 2026	REVISED	-
PLOT DATE	= 3/17/2026				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN - SOUTHBOUND
I-57 ILLINI PRAIRIE REST AREA

SCALE: 1" = 60' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	26
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 140+10.00

MODEL: SR RDWAY Plan-1 [Sheet]
FILE NAME: S:\2023\23IL008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\CADD\CADD Sheets\057029-shr-Roadway.dgn



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PLOT DATE = 5/19/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

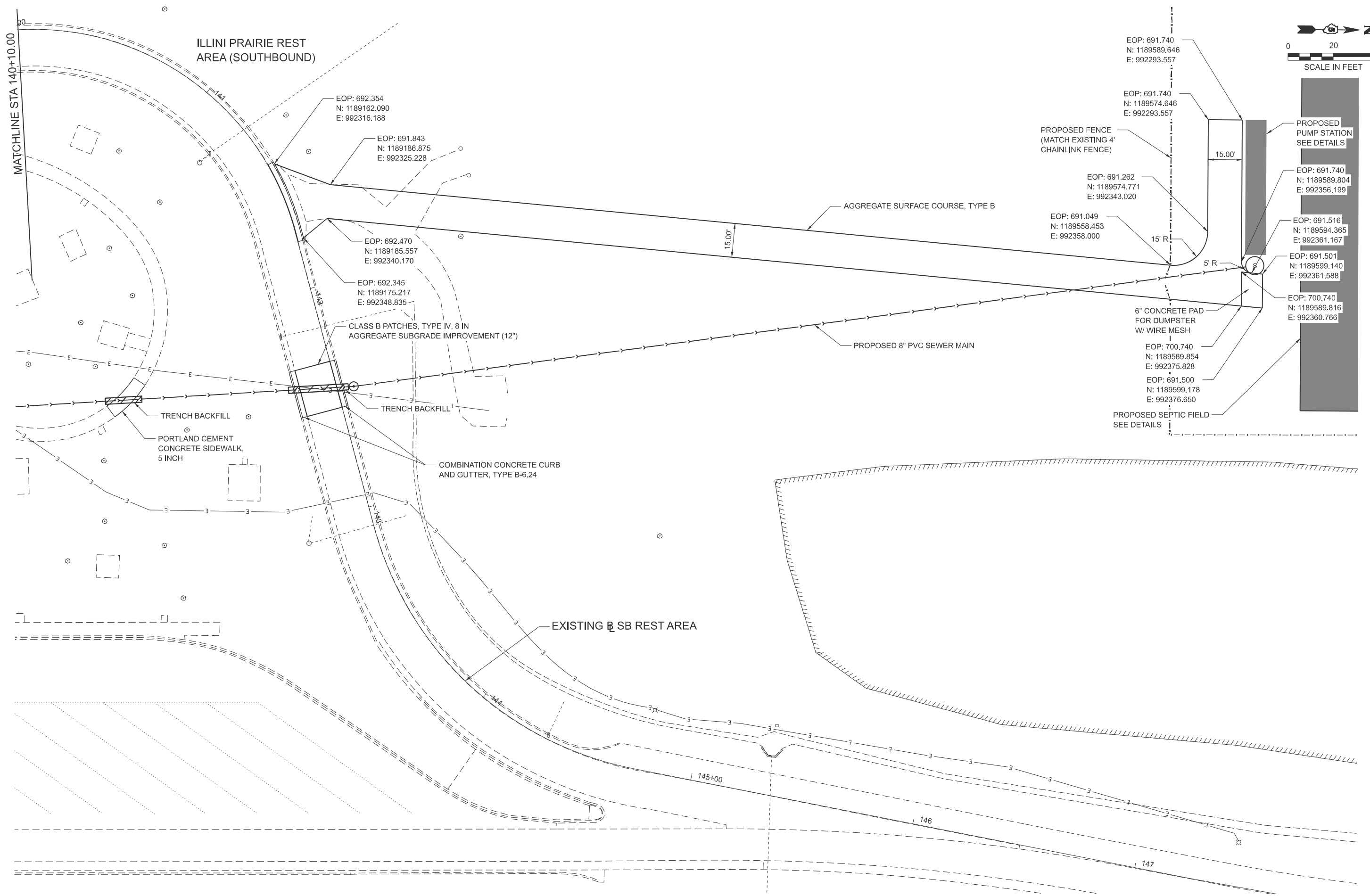
**SITE PLAN - DESIGN (SB)
I-57 ILLINI PRAIRIE REST AREA**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 133+15.00 TO STA. 140+10.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	27
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



SCALE IN FEET



MODEL: SR RDWAY Plan-2 (Sheet)
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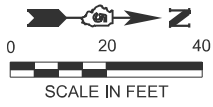
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DRAWN	- M. GLIME	REVISIONS	-	REVISIONS	-
PLOT SCALE	= \$\$SCALE\$	CHECKED	- J. HEADEN	REVISIONS	-
PLOT DATE	= 3/16/2026	DATE	- MARCH 2026	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE PLAN - DESIGN (SB)
I-57 ILLINI PRAIRIE REST AREA**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 140+10.00 TO STA. 147+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	28
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



GND: 688.683
N: 1189289.261
E: 992170.023

GND: 690.29
N: 1189717.878
E: 992173.259

GND: 688.450
N: 1189732.391
E: 992173.259

GND: 688.349
N: 1189736.969
E: 992173.259

GND: 689.861
N: 1189287.551
E: 992334.108

GND: 688.986
N: 1189287.394
E: 992349.152

GND: 689.855
N: 1189286.682
E: 992417.461

GND: 690.290
N: 1189616.183
E: 992421.925

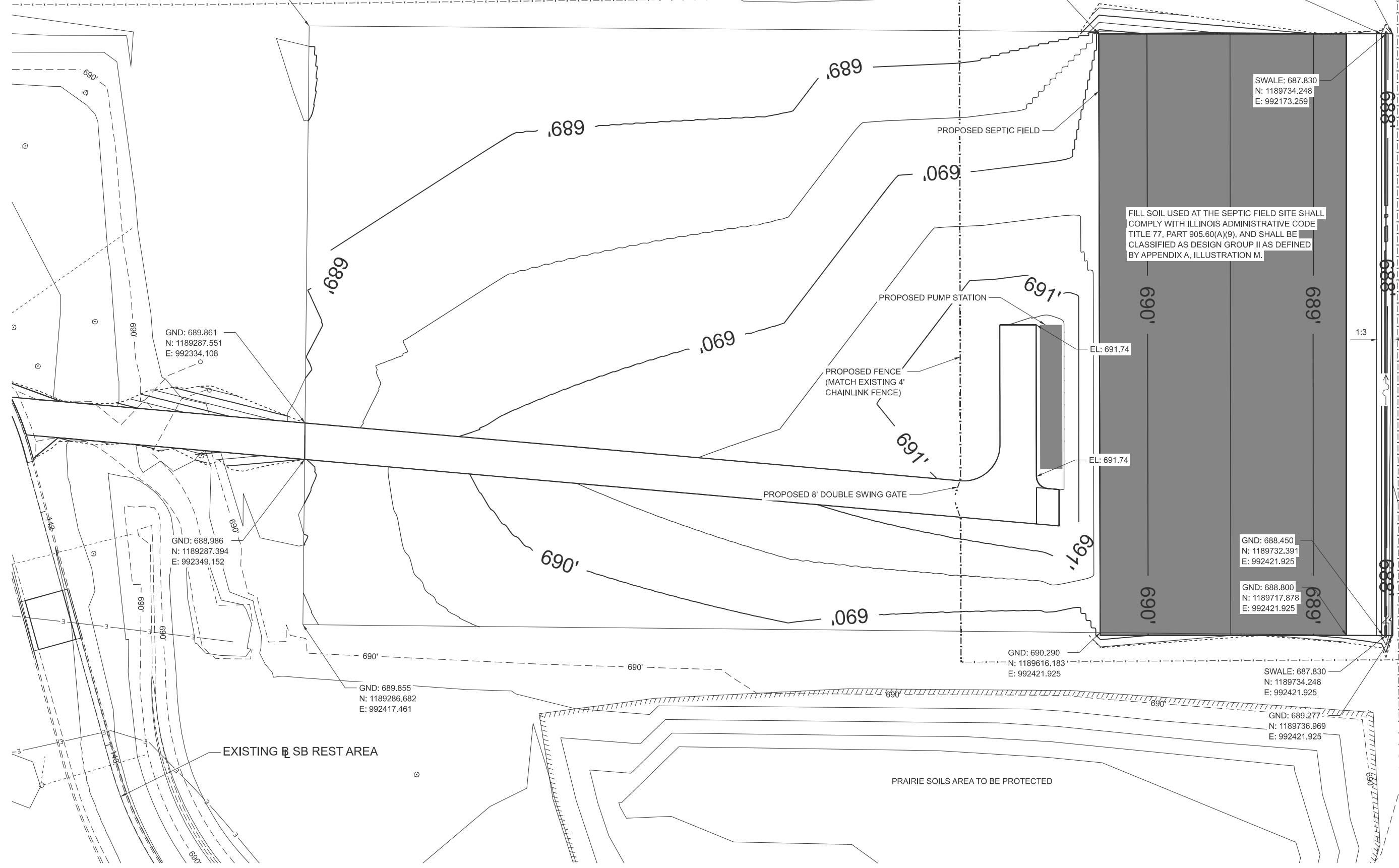
GND: 688.450
N: 1189732.391
E: 992421.925

GND: 688.800
N: 1189717.878
E: 992421.925

SWALE: 687.830
N: 1189734.248
E: 992421.925

GND: 689.277
N: 1189736.969
E: 992421.925

FILL SOIL USED AT THE SEPTIC FIELD SITE SHALL COMPLY WITH ILLINOIS ADMINISTRATIVE CODE TITLE 77, PART 905.60(A)(9), AND SHALL BE CLASSIFIED AS DESIGN GROUP II AS DEFINED BY APPENDIX A, ILLUSTRATION M.



MODEL: SRRESTAREA - SF (Sheet)
FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-sht-Grading.dgn



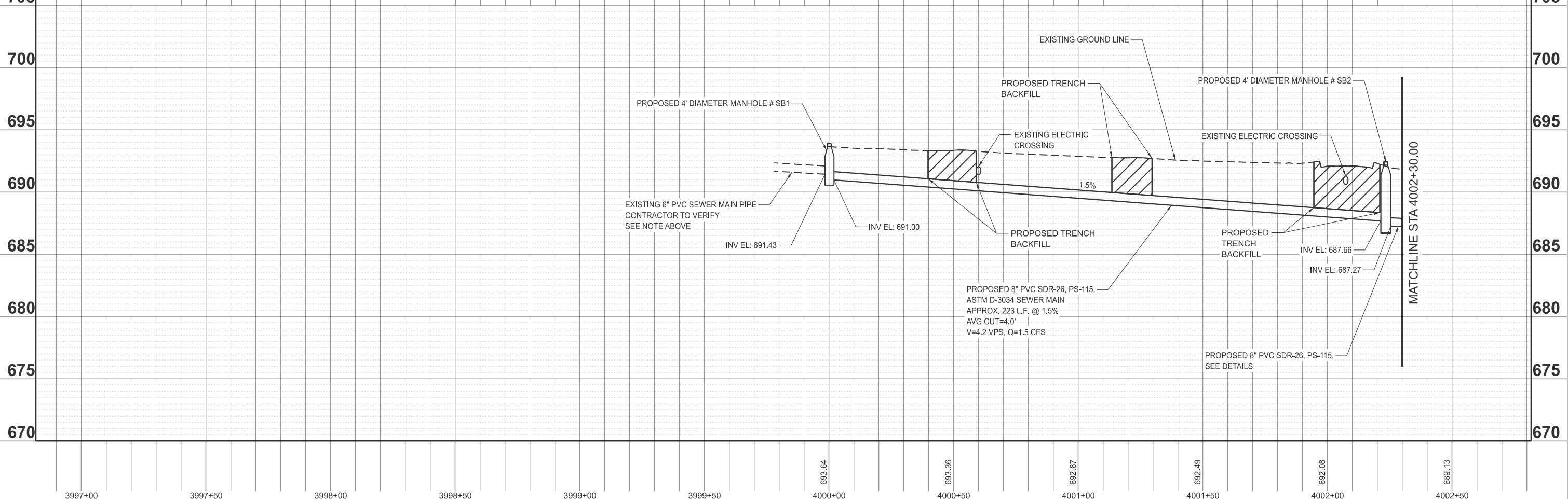
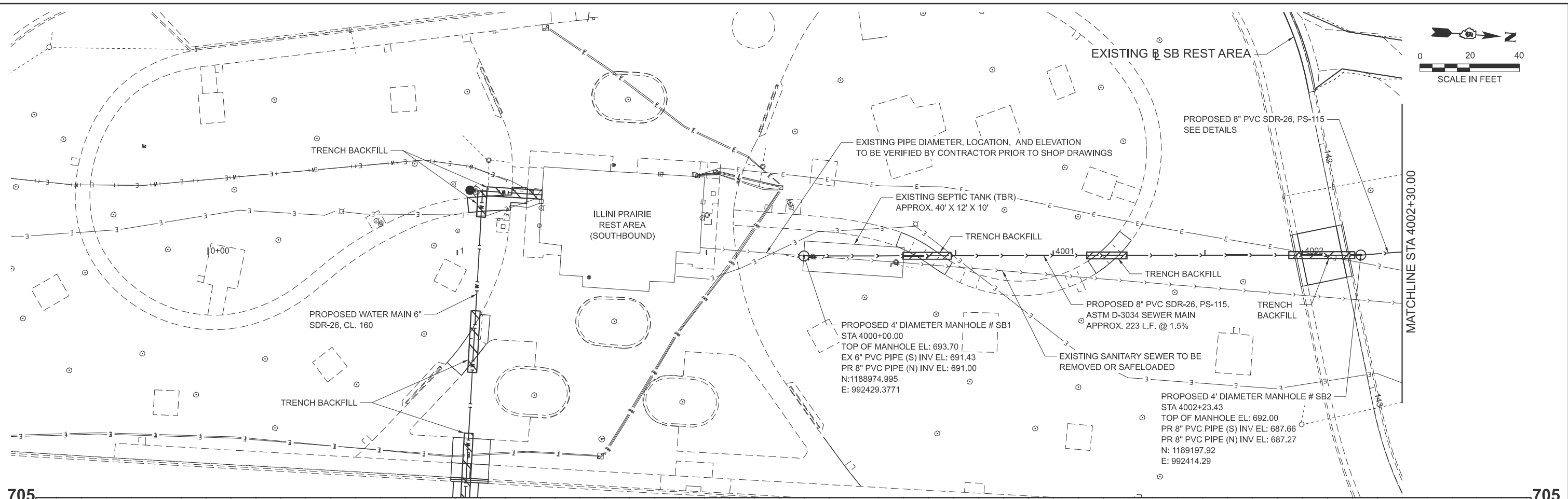
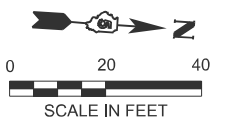
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DRAWN - M. GLIME	REVISED -	
CHECKED - J. HEADEN	REVISED -	
DATE - MARCH 2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - GRADING (SB)
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 141+41.66 TO STA. 147+41.66

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	29
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: N - Plan 1 [Sheet]
 FILE NAME: S:\2023\231008 PTB_206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-Plan-Sanitary.dgn

3997+00	3997+50	3998+00	3998+50	3999+00	3999+50	4000+00	4000+50	4001+00	4001+50	4002+00	4002+50
USER NAME = RGoertz		DESIGNED - C. JONES	REVISED -	DRAWN - M. GLIME		REVISED -	CHECKED - J. HEADEN		REVISED -	DATE - MARCH 2026	
PLOT SCALE = \$SCALE\$		PLOT DATE = 5/30/2026									

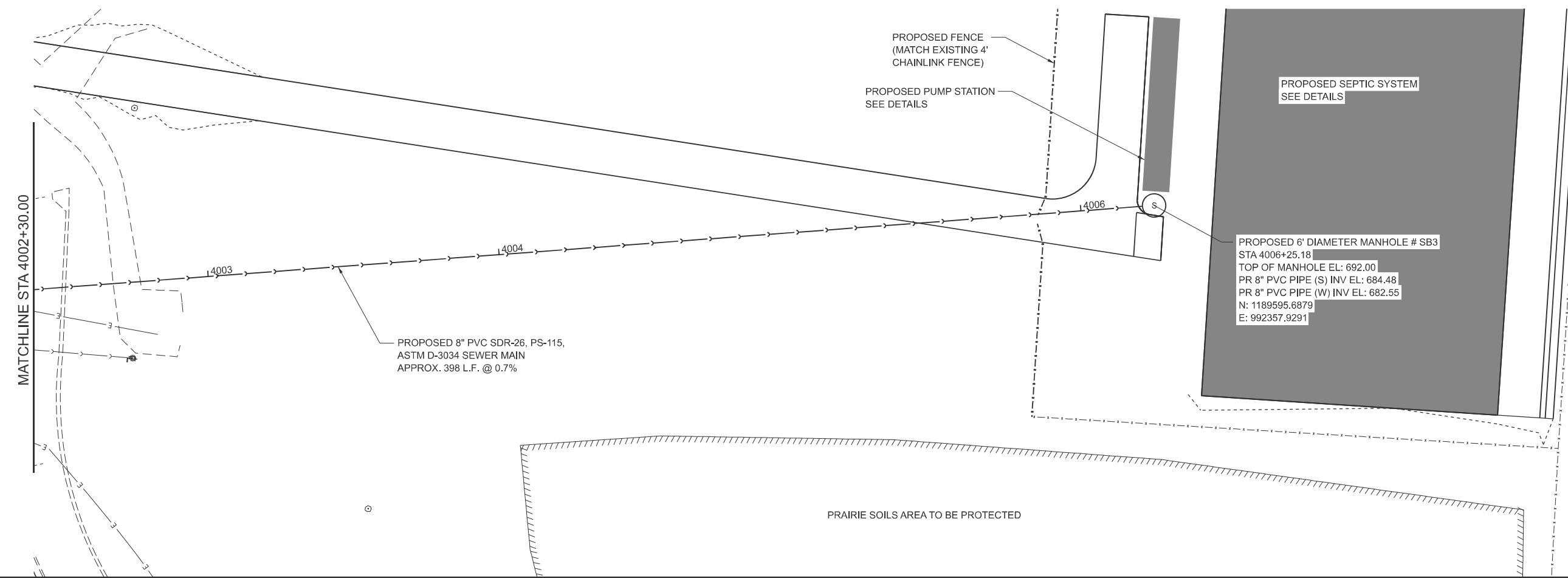
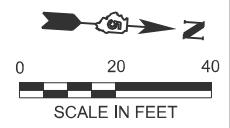
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SANITARY LINE PLAN AND PROFILE (SB)
I-57 ILLINI PRAIRIE REST AREA

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 4000+00.00 TO STA. 4003+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	30
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

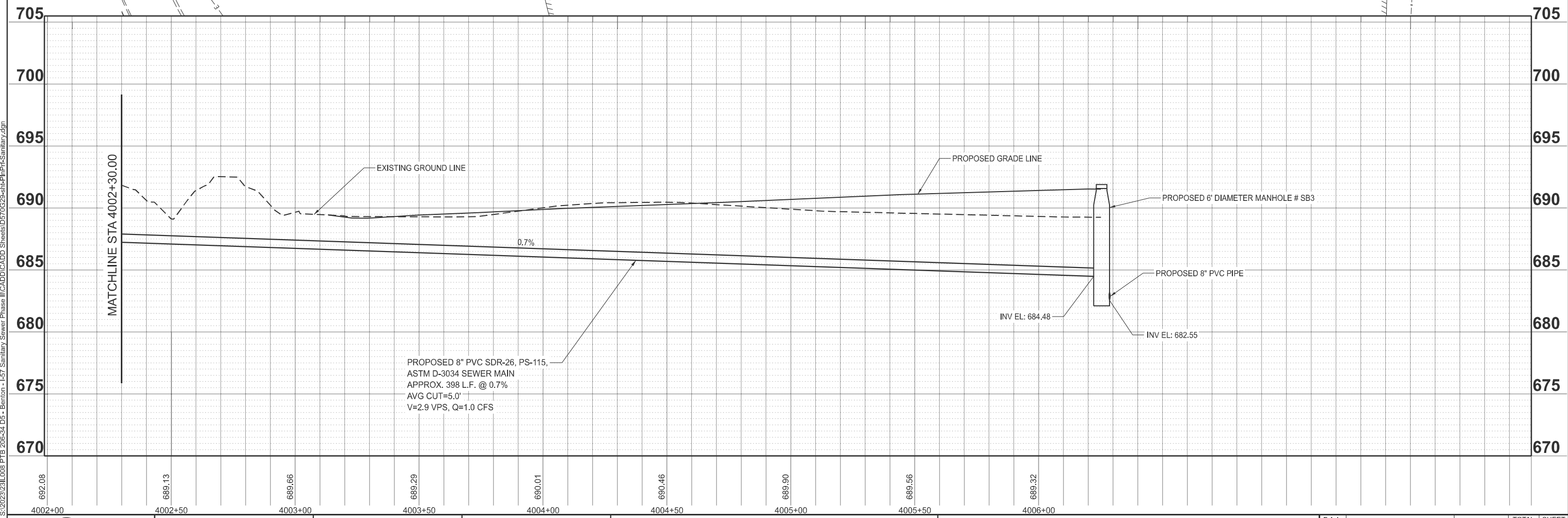




PROPOSED 6" DIAMETER MANHOLE # SB3
 STA 4006+25.18
 TOP OF MANHOLE EL: 692.00
 PR 8" PVC PIPE (S) INV EL: 684.48
 PR 8" PVC PIPE (W) INV EL: 682.55
 N: 1189595.6879
 E: 992357.9291

PROPOSED 8" PVC SDR-26, PS-115,
 ASTM D-3034 SEWER MAIN
 APPROX. 398 L.F. @ 0.7%

PRAIRIE SOILS AREA TO BE PROTECTED



PROPOSED 8" PVC SDR-26, PS-115,
 ASTM D-3034 SEWER MAIN
 APPROX. 398 L.F. @ 0.7%
 AVG CUT=5.0'
 V=2.9 VPS, Q=1.0 CFS

INV EL: 684.48

INV EL: 682.55

MODEL: N - Plan 2 [Sheet]
 FILE NAME: S:\2023\231008 PTB_206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-P1P4-Sanitary.dgn



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PLOT DATE	= 3/16/2026

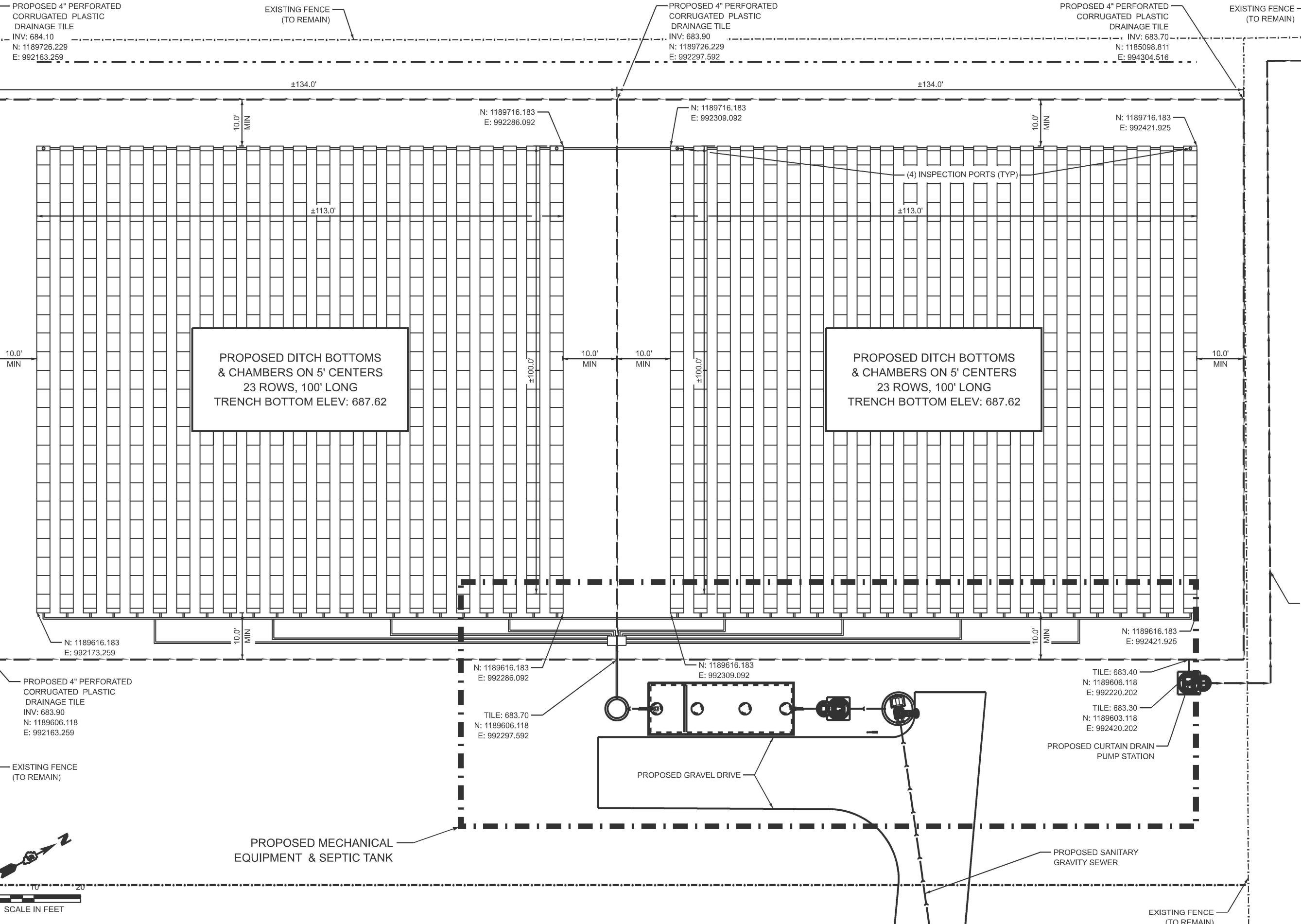
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DRAWN	- M. GLIME	REVISED	-
CHECKED	- J. HEADEN	REVISED	-
DATE	- MARCH 2026	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED SANITARY LINE PLAN AND PROFILE (SB)
 I-57 ILLINI PRAIRIE REST AREA**

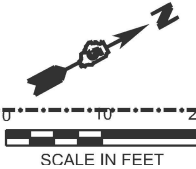
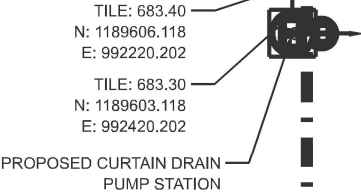
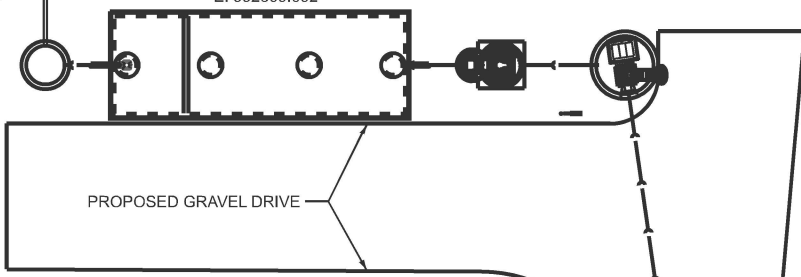
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 4003+00.00 TO STA. 4006+44.01

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	31
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



PROPOSED DITCH BOTTOMS
& CHAMBERS ON 5' CENTERS
23 ROWS, 100' LONG
TRENCH BOTTOM ELEV: 687.62

PROPOSED DITCH BOTTOMS
& CHAMBERS ON 5' CENTERS
23 ROWS, 100' LONG
TRENCH BOTTOM ELEV: 687.62



MODEL: - South (Sheet) - Southbound
 FILE NAME: P:\2023\3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-032-sht-septic-south.dgn



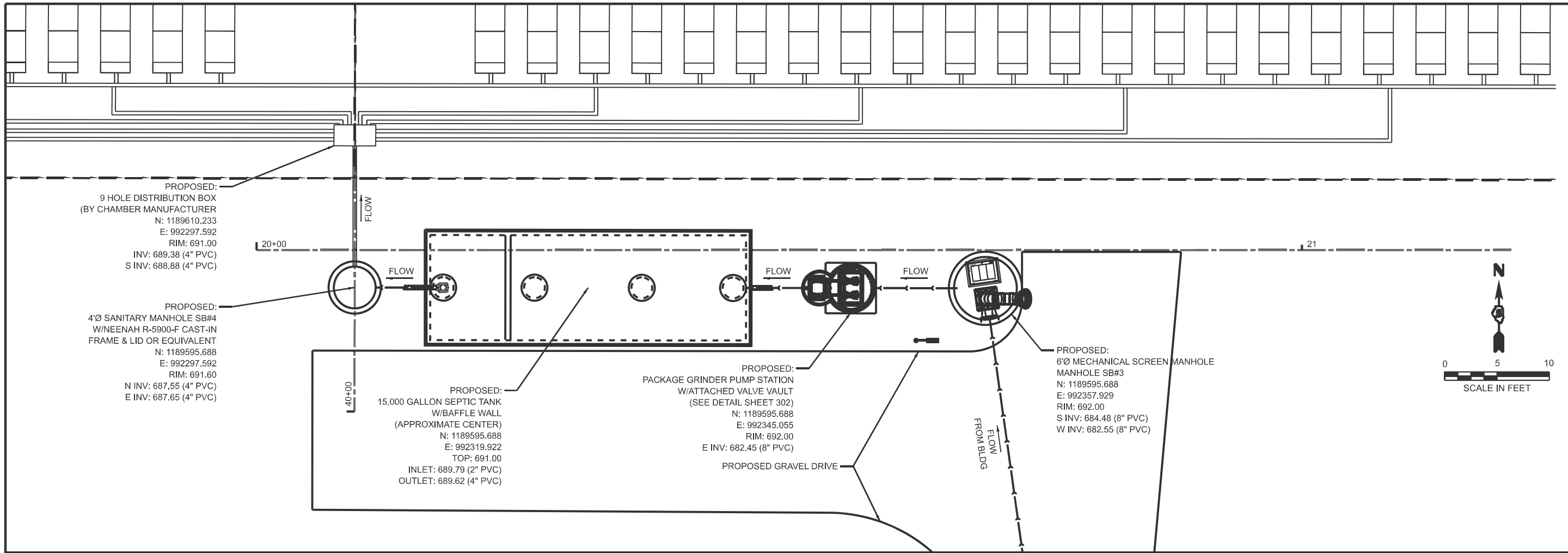
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	DRAWN - RDS	REVISED -
	CHECKED - CCJ	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEPTIC SYSTEM LAYOUT - SOUTHBOUND
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.L.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	32
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



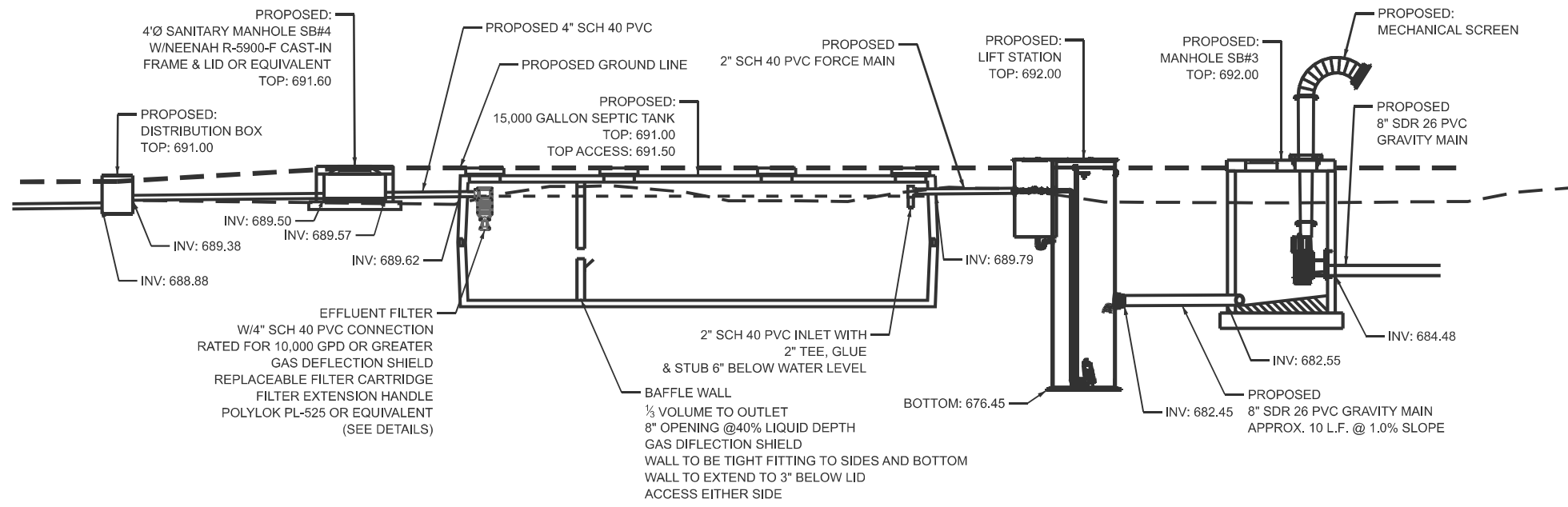
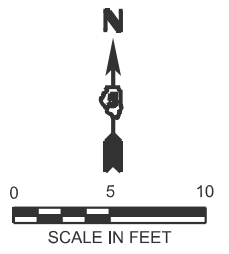
PROPOSED:
9 HOLE DISTRIBUTION BOX
(BY CHAMBER MANUFACTURER
N: 1189610.233
E: 992297.592
RIM: 691.00
INV: 689.38 (4" PVC)
S INV: 688.88 (4" PVC)

PROPOSED:
4"Ø SANITARY MANHOLE SB#4
W/NEENAH R-5900-F CAST-IN
FRAME & LID OR EQUIVALENT
N: 1189595.688
E: 992297.592
RIM: 691.60
N INV: 687.55 (4" PVC)
E INV: 687.65 (4" PVC)

PROPOSED:
15,000 GALLON SEPTIC TANK
W/BAFFLE WALL
(APPROXIMATE CENTER)
N: 1189595.688
E: 992319.922
TOP: 691.00
INLET: 689.79 (2" PVC)
OUTLET: 689.62 (4" PVC)

PROPOSED:
PACKAGE GRINDER PUMP STATION
W/ATTACHED VALVE VAULT
(SEE DETAIL SHEET 302)
N: 1189595.688
E: 992345.055
RIM: 692.00
E INV: 682.45 (8" PVC)

PROPOSED:
6"Ø MECHANICAL SCREEN
MANHOLE SB#3
N: 1189595.688
E: 992357.929
RIM: 692.00
S INV: 684.48 (8" PVC)
W INV: 682.55 (8" PVC)



PROPOSED:
4"Ø SANITARY MANHOLE SB#4
W/NEENAH R-5900-F CAST-IN
FRAME & LID OR EQUIVALENT
TOP: 691.60

PROPOSED:
DISTRIBUTION BOX
TOP: 691.00

INV: 689.50
INV: 689.38
INV: 688.88

EFFLUENT FILTER
W/4" SCH 40 PVC CONNECTION
RATED FOR 10,000 GPD OR GREATER
GAS DEFLECTION SHIELD
REPLACEABLE FILTER CARTRIDGE
FILTER EXTENSION HANDLE
POLYLOK PL-525 OR EQUIVALENT
(SEE DETAILS)

PROPOSED 4" SCH 40 PVC

PROPOSED:
15,000 GALLON SEPTIC TANK
TOP: 691.00
TOP ACCESS: 691.50

INV: 689.57
INV: 689.62

BAFFLE WALL
1/2 VOLUME TO OUTLET
8" OPENING @40% LIQUID DEPTH
GAS DEFLECTION SHIELD
WALL TO BE TIGHT FITTING TO SIDES AND BOTTOM
WALL TO EXTEND TO 3" BELOW LID
ACCESS EITHER SIDE

PROPOSED
2" SCH 40 PVC FORCE MAIN

PROPOSED:
LIFT STATION
TOP: 692.00

INV: 689.79

BOTTOM: 676.45

PROPOSED:
MANHOLE SB#3
TOP: 692.00

INV: 682.55

PROPOSED
8" SDR 26 PVC GRAVITY MAIN
APPROX. 10 L.F. @ 1.0% SLOPE

PROPOSED:
MECHANICAL SCREEN

PROPOSED
8" SDR 26 PVC
GRAVITY MAIN

INV: 684.48

MODEL: Pump_Station_South - Pump_Station_South - Plan_1 [Sheet]
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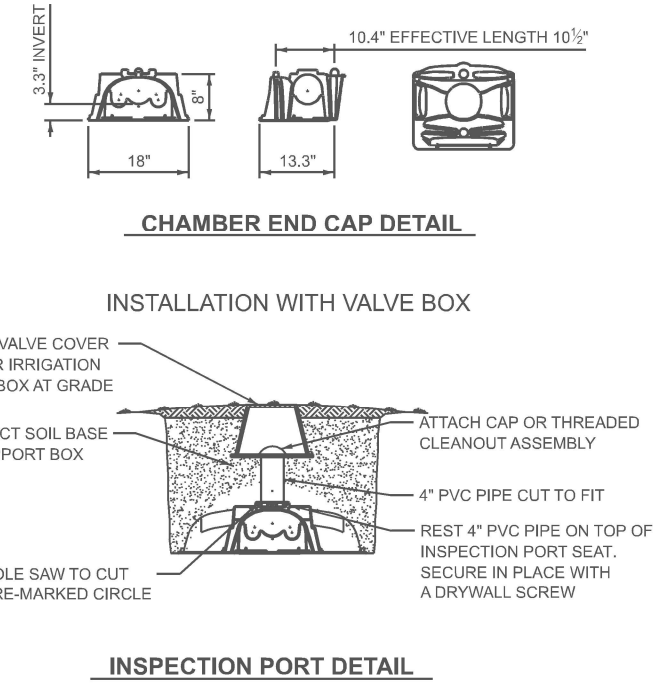
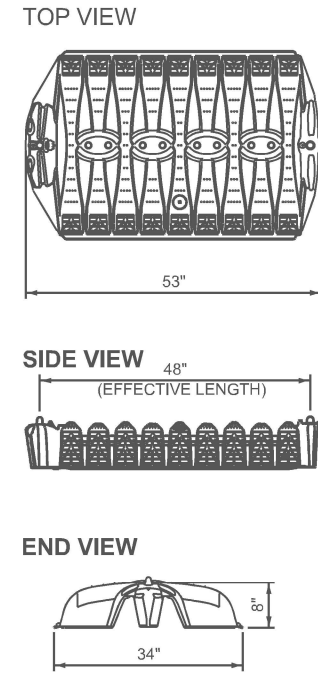
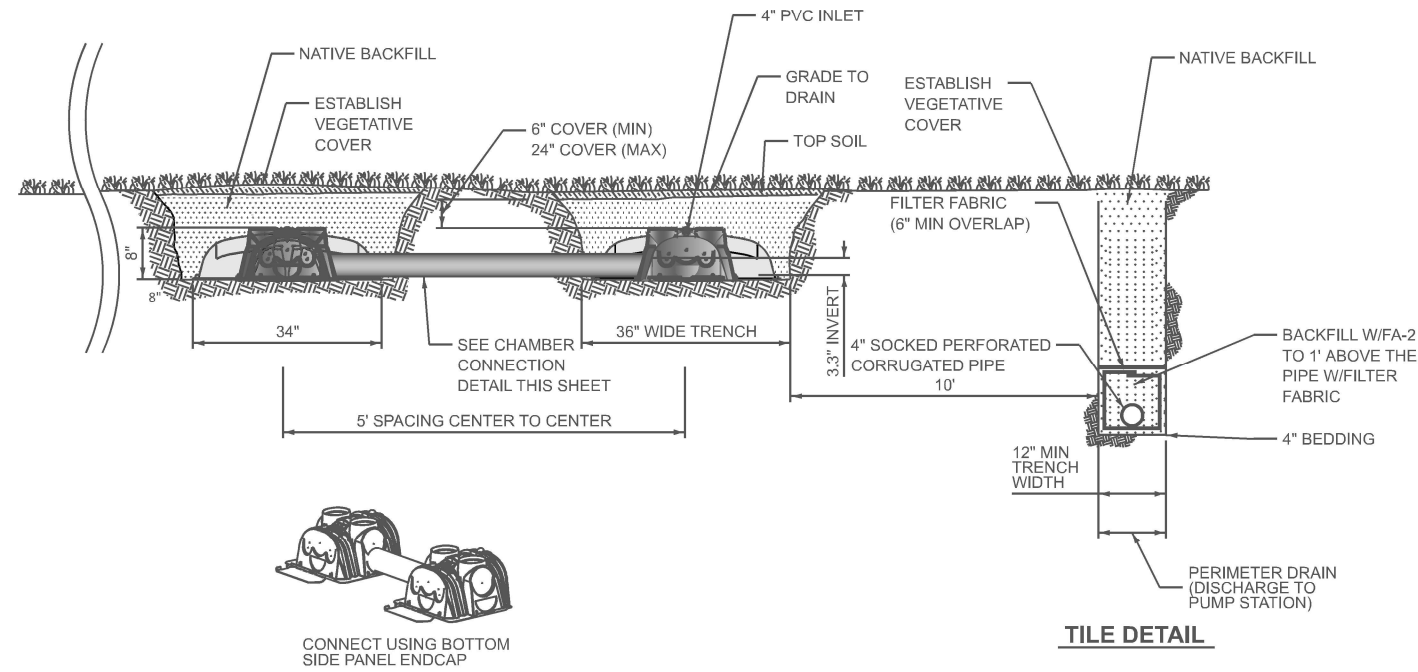
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	DRAWN - RDS	REVISED -
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DEPARTMENT OF TRANSPORTATION**

**PUMP STATION PLAN & PROFILE - SOUTHBOUND
I-57 ILLINI PRAIRIE REST AREAS**

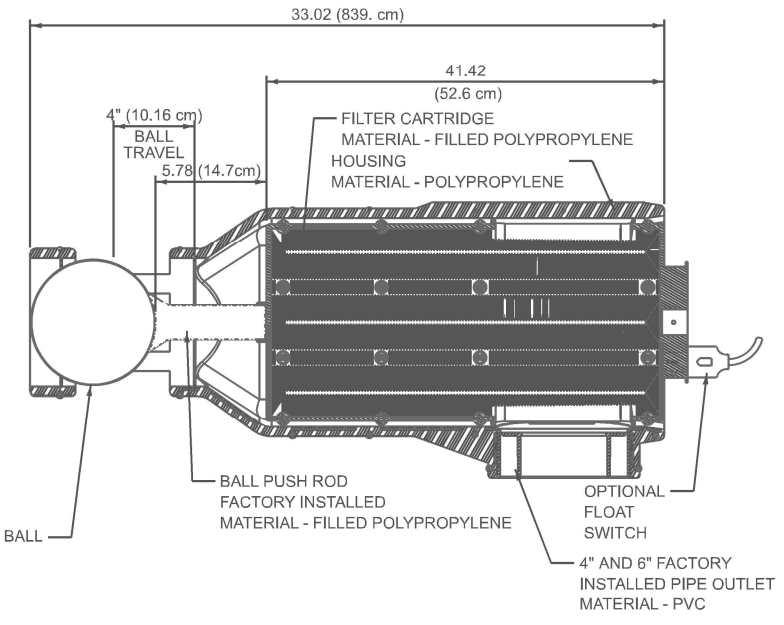
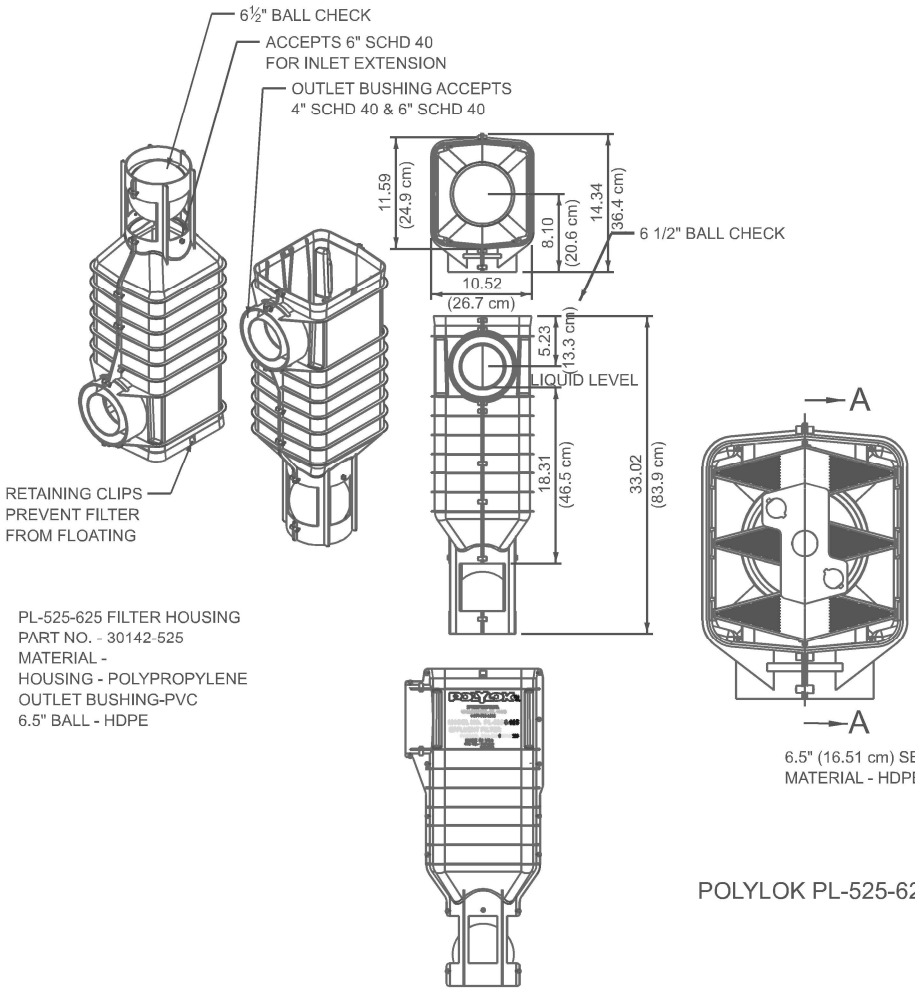
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. 19+50.00 TO STA. 22+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	33
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

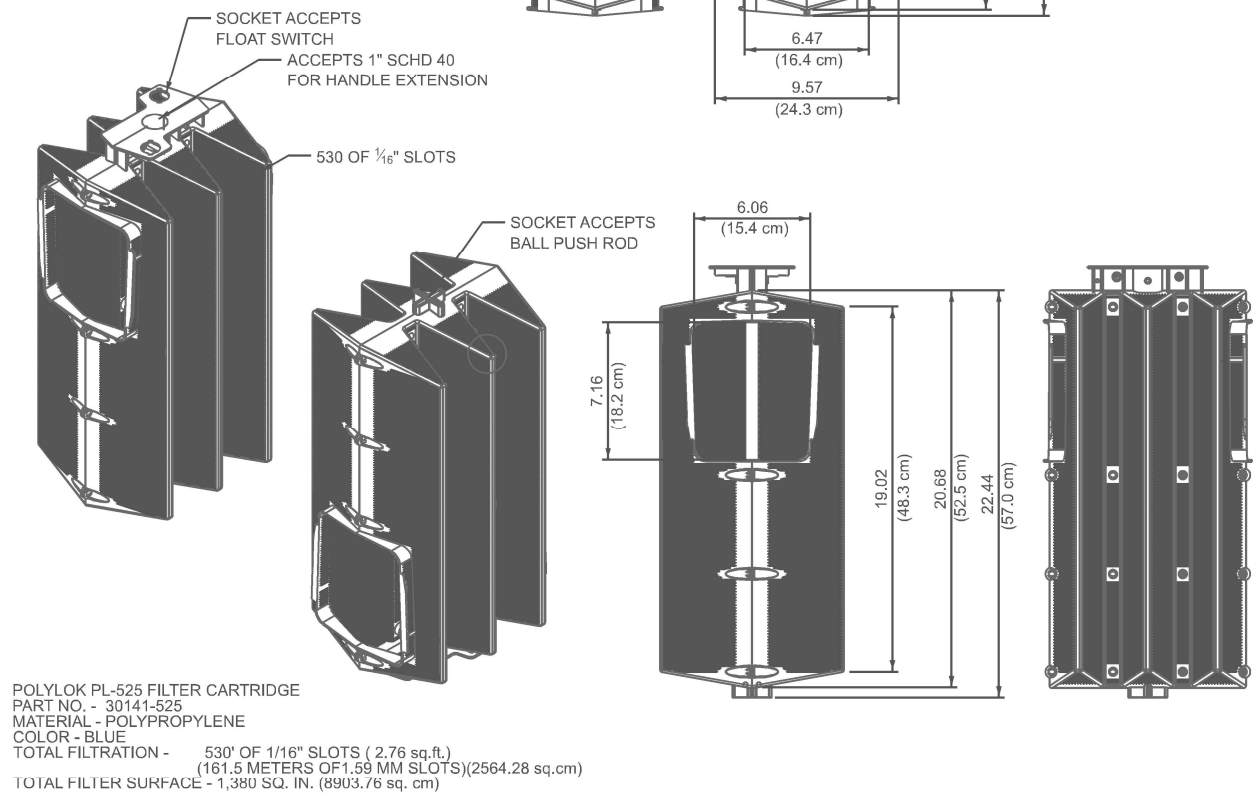


* ALL VIEW = INSTALLED LENGTHS

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SEPTIC FILTER DETAILS



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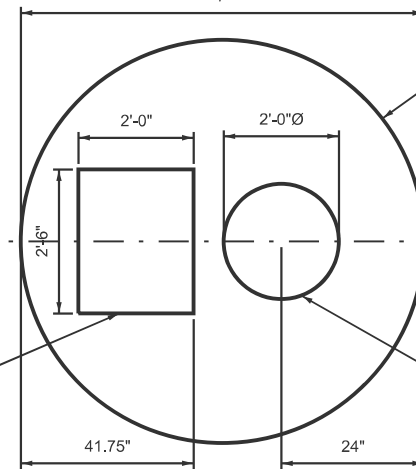
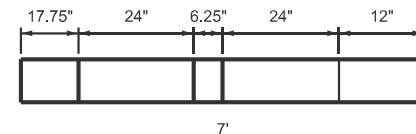
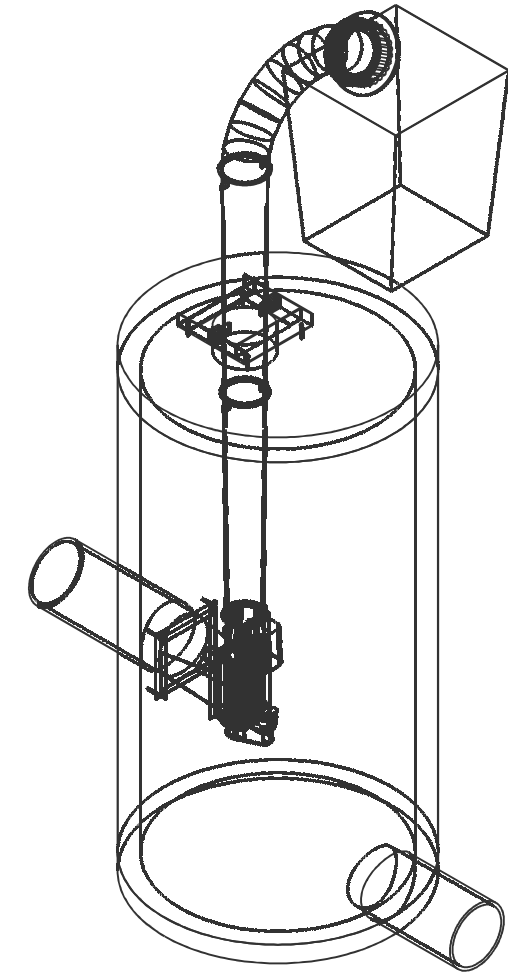
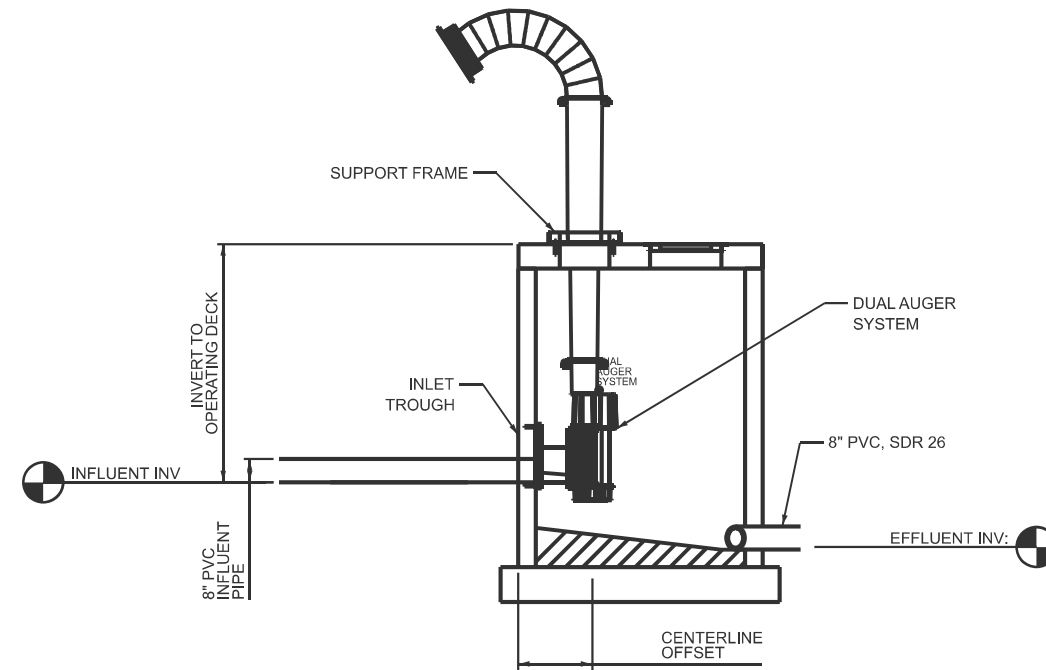
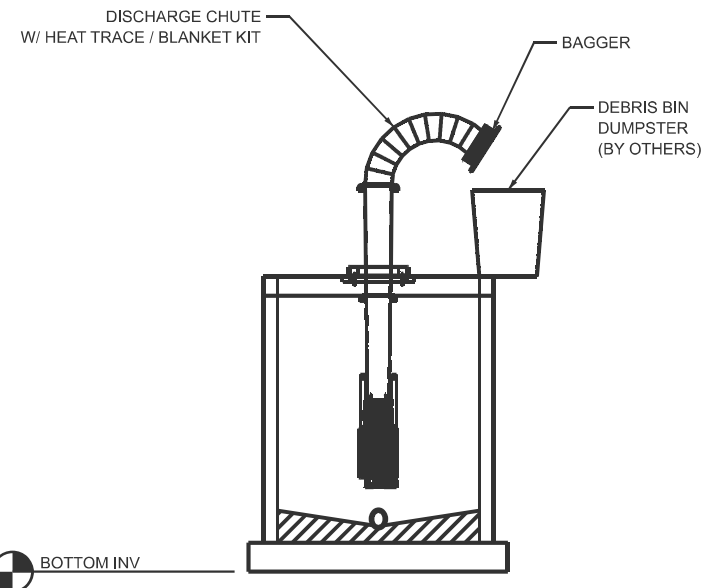
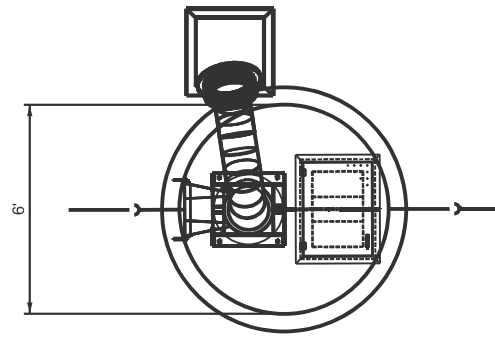
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS				SHEET 1 OF 5 SHEETS				STA. TO STA.			
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SANITARY DETAILS
I-57 ILLINI PRAIRIE REST AREAS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	34
CONTRACT NO. 70G29				
ILLINOIS		FED. AID PROJECT		

	NORTH BOUND	SOUTH BOUND
TOP CONCRETE	701.00	692.00
INFLUENT INV	694.17	684.48
EFFLUENT INV	692.30	682.55
BOTTOM STRUCTURE	691.00	682.00



PROPOSED NEW LID ON EXISTING WET WELL 8" THICK

PROPOSED OPENING FOR ACCESS HATCH

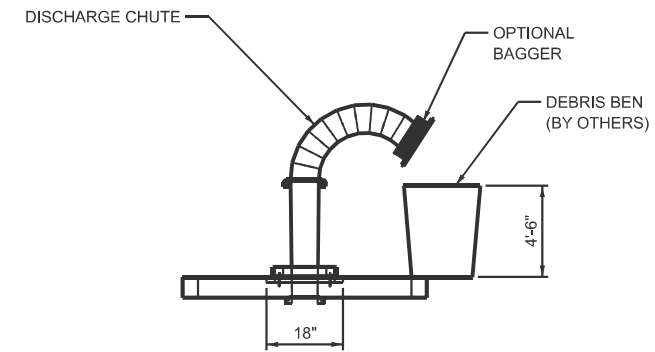
PROPOSED OPENING FOR SCREENING EQUIPMENT

NOTE #1
VERIFY THAT THE PROPOSED INSTALLATION IS SUITED TO THE SITE.

- a. VERIFY INFLUENT PIPE DIAMETER.
- b. VERIFY CENTERLINE OFFSET.
- c. VERIFY INFLUENT INVERT ELEVATION.
- d. VERIFY WET WELL DIMENSIONS.
- e. VERIFY DECK OPENING DIMENSIONS.
- f. VERIFY DEBRIS BIN HEIGHT.

NOTE #2

- 1. INSTALLATION AND ACCESS MODIFICATIONS TO BE PROVIDED, AS REQUIRED, BY OTHERS.
- 2. SITE DIMENSIONS ARE SUBJECT TO CHANGE UPON SITE VERIFICATIONS.
- 3. DECK SUPPORT ACCESSORIES ARE REQUIRED FOR DUAL AUGER SYSTEM INSTALLATION. INCLUDED, BY DUPERON, PLATE/GRATING AND HANDRAIL MODIFICATIONS AS REQUIRED (BY OTHERS).
- 4. FOR SITES WITH FREEZING CONDITIONS, A HEAT TRACE/BLANKET KIT IS RECOMMENDED.



MODEL: SSVIP - Details [Sheet] FILE NAME: P:\23E3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-035-shs-svc-Detalls - Screening_MH.dgn

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

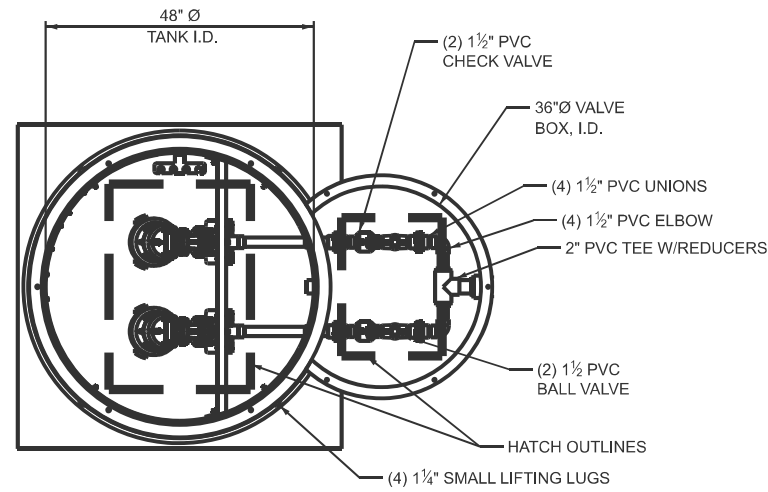
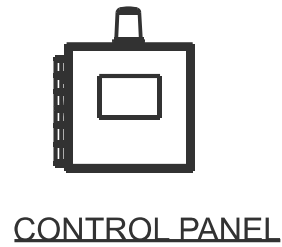
**SANITARY DETAILS
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

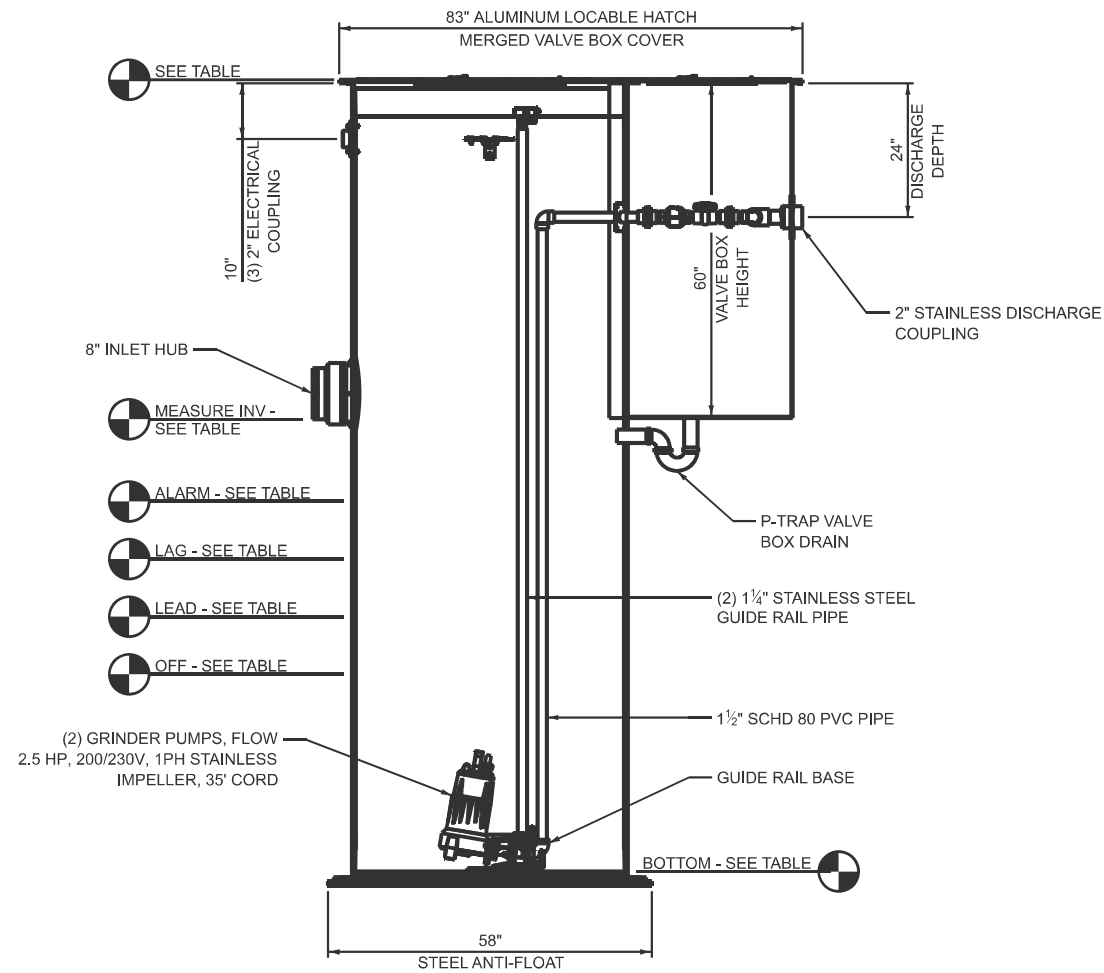
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	35
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

DUPLEX LIFT STATION
W/ATTACHED VALVE VAULT (TYP)

NOTE: LIFTERCHAINS AND FLOATS NOT SHOWN.



	NORTH BOUND	SOUTH BOUND
TOP	701.00	692.00
INFLUENT INV	692.20	682.45
HIGH WATER ALARM	691.20	681.45
LAG PUMP ON	690.20	680.45
LEAD PUMP ON	689.20	679.45
PUMP OFF (LWL)	688.20	678.45
BOTTOM OF WETWELL	686.20	676.45



MODEL: SSVIP - Details [Sheet]
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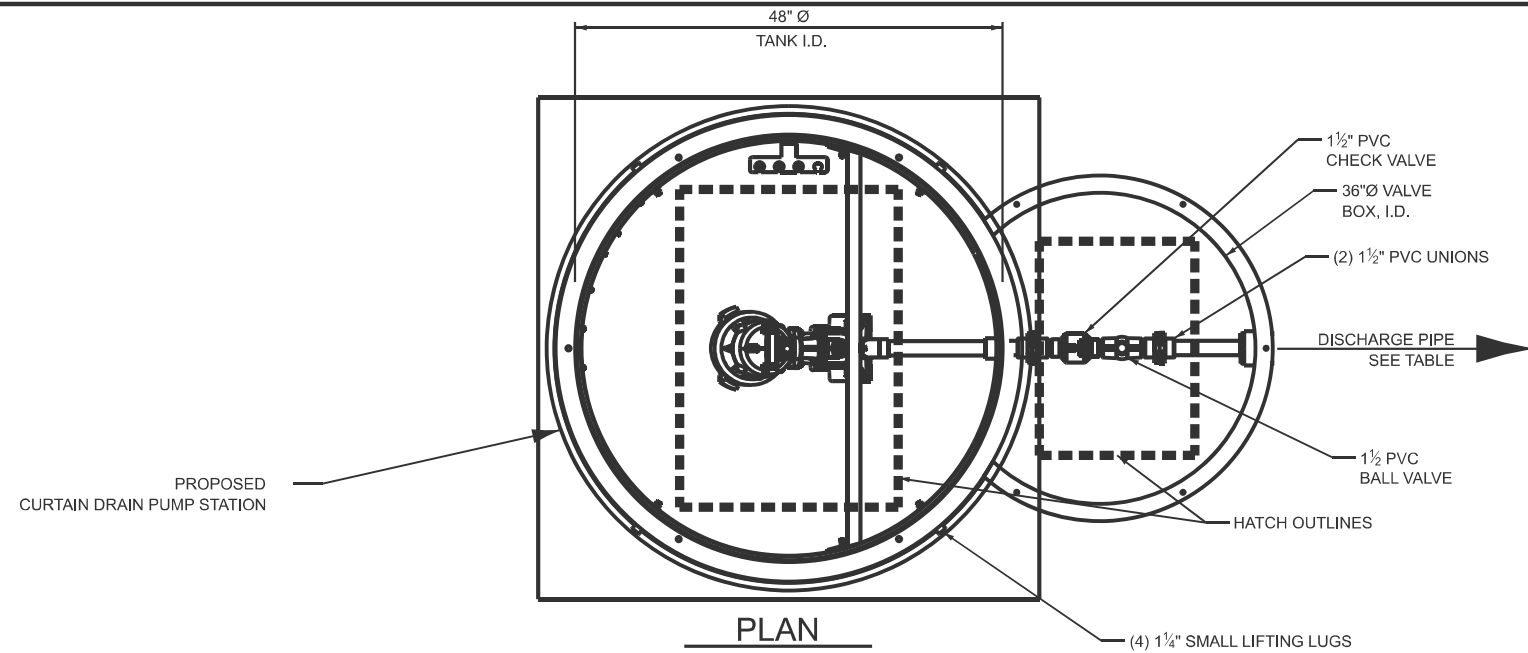
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	PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY DETAILS
I-57 ILLINI PRAIRIE REST AREAS

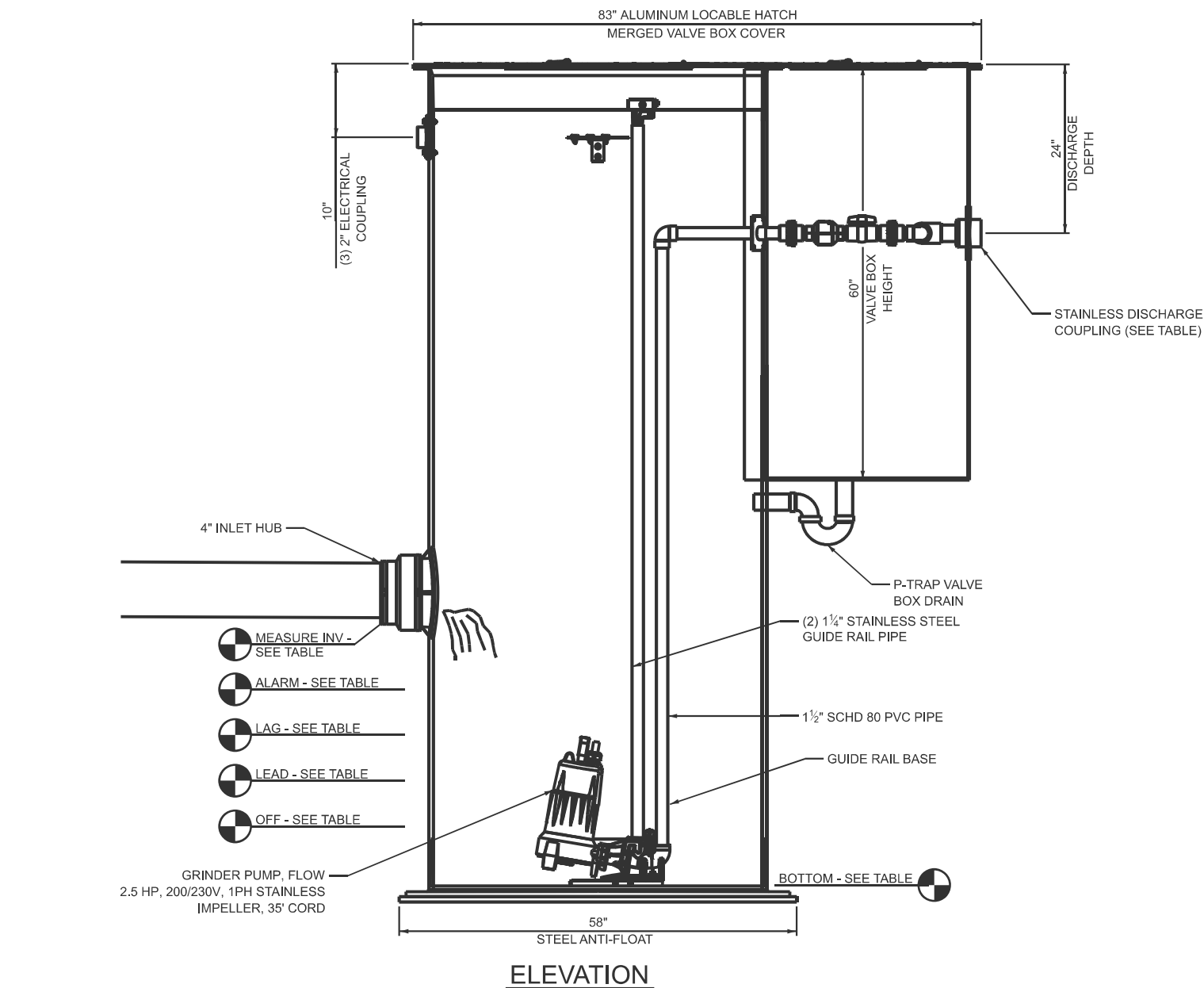
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	36
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



**SIMPLEX LIFT STATION
W/ATTACHED VALVE VAULT (TYP)**

	NORTH BOUND	SOUTH BOUND
TOP	699.00	690.00
INFLUENT INV	692.30	683.30
BOTTOM	689.00	680.00
MIN WATER LEVEL (PUMP OFF)	690.00	681.00
PUMP ON WATER LEVEL	691.00	682.00
ALARM LEVEL	692.00	683.00
DISCHARGE PIPE	2.5"	2"



MODEL: SSVIP - Details [Sheet]
 FILE NAME: P:\23E3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-037-shlssvr-Details - Sump Pump.dgn

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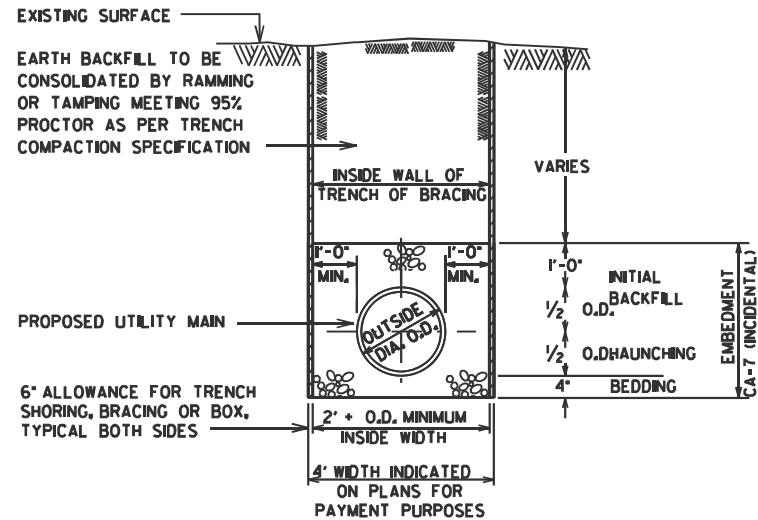
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	DRAWN - RDS	REVISED -
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PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

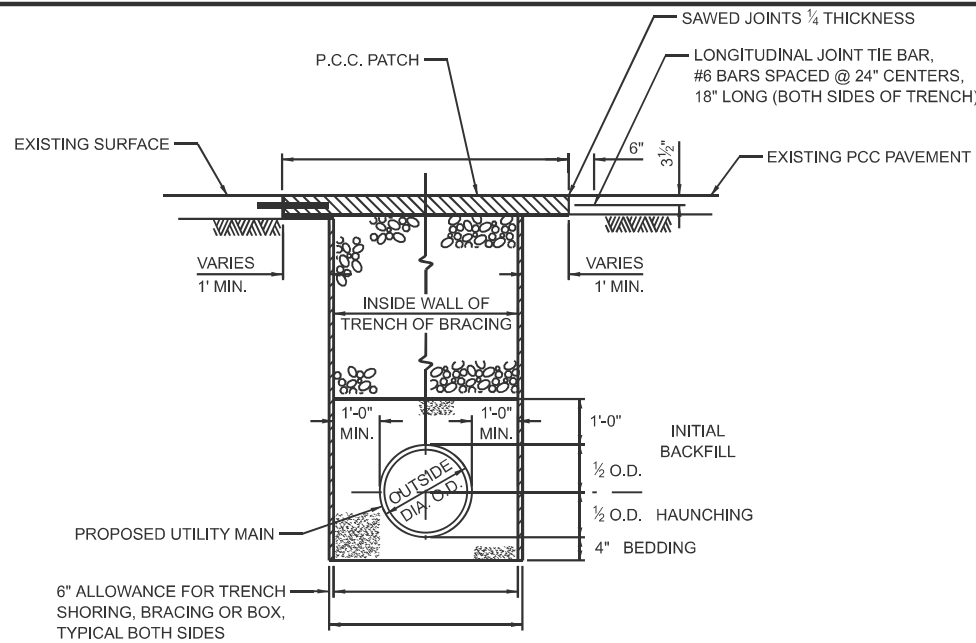
**SANITARY DETAILS
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

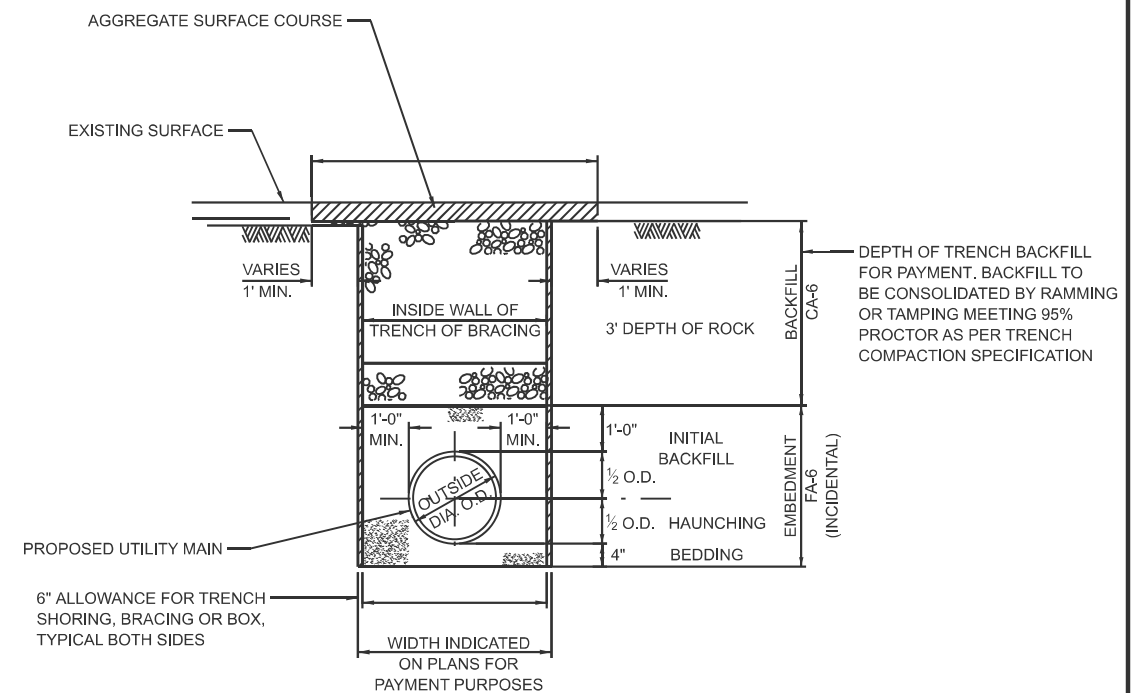
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	37
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



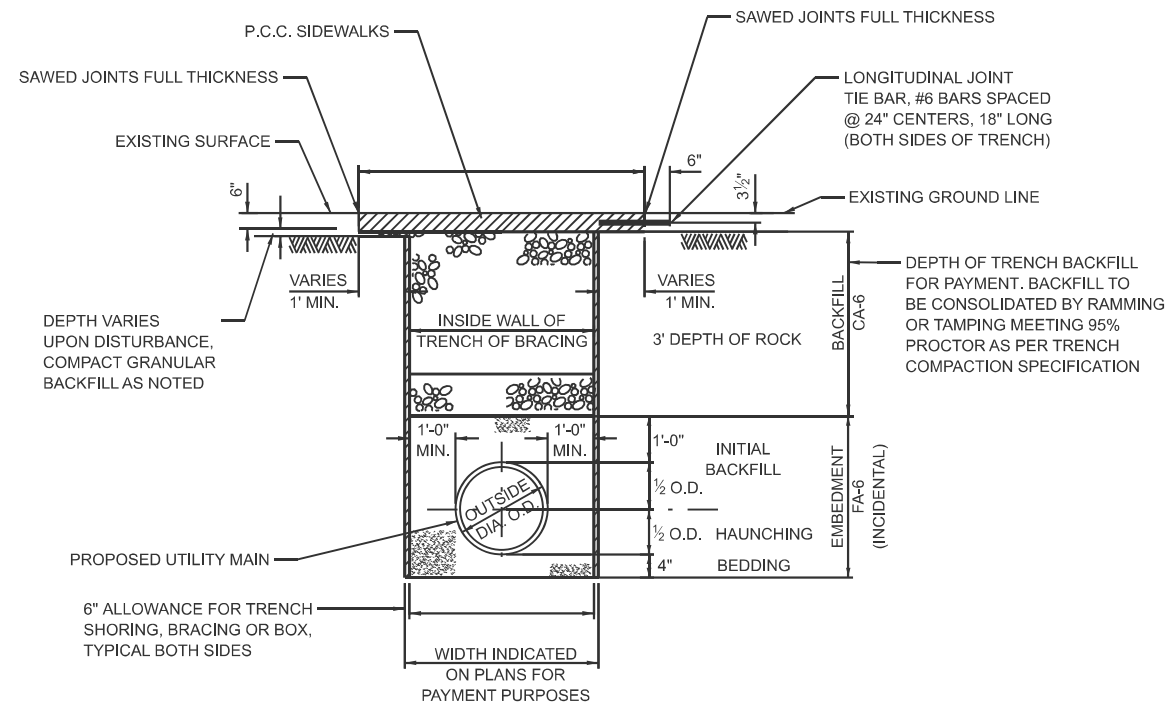
TYPICAL DETAIL OF UTILITY MAIN TRENCH UNDER LOAM SOIL SURFACES



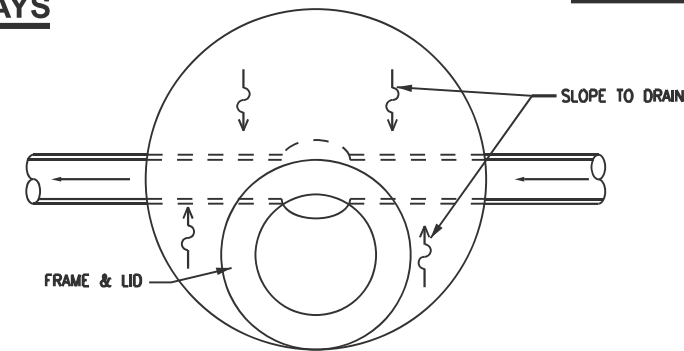
TYPICAL DETAIL OF MAIN INSTALLATION FOR IDOT P.C.C. ROADWAYS



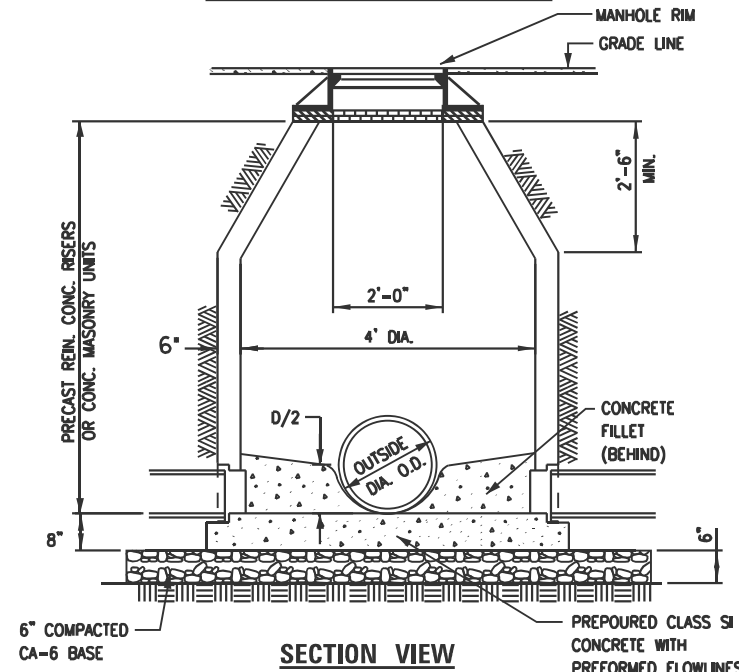
TYPICAL DETAIL OF UTILITY MAIN INSTALLATION UNDER AGGREGATE DRIVES



TYPICAL DETAIL OF UTILITY MAIN INSTALLATION UNDER SIDEWALK ENTRANCES



**PLAN VIEW
DETAIL OF MANHOLE TYPE A**



**SECTION VIEW
DETAIL OF TYPICAL MANHOLE CONSTRUCTION (NEW)**

NOTES :

FRAME & LID SELF-SEALING LID & THE WORD "SANITARY" CAST IN THE LID OR APPROVED EQUAL.

MANHOLE STEPS SHALL BE GRAY CAST IRON ASTM A 48 OR POLYPROPYLENE COATED STEEL REINF. RODS WITH LOAD & PULLOUT RATINGS MEETING OSHA STANDARDS IF INCLUDED.

FINAL ADJUSTMENT OF FRAME TO GRADE SHALL BE MADE WITH CONCRETE DONUT. FINAL ADJUSTMENT SHALL NOT EXCEED 12".

ALL MANHOLE JOINTS, ADJUSTMENT COURSE(S) & UNDER MANHOLE FRAME SHALL BE SEALED WITH BITUMINOUS MASTIC. SEE SPECIFICATIONS FOR DAMP-PROOFING REQUIREMENTS.

ALL MANHOLE RIMS SHALL BE SET AT GRADE AS INDICATED ON PLAN & PROFILES.

ALL PIPE OPENINGS IN MANHOLE WALLS WILL BE SEALED WITH A-LOK GASKET OR EQUAL.

IF AT ANY TIME, A OPENING IS REQUIRED TO BE MADE IN THE MANHOLE OR CONCRETE STRUCTURE FOR A PIPE; THE PIPE SHALL BE WRAPPED WITH EITHER "SYNCO-FLEX" OR APPLY A WS SERIES WATERSTOP BY PRESS-SEAL OR EQUAL, PRIOR TO APPLYING NON-SHRINK GROUT SEALING THE VOID.

MODEL - SSVIP - Details (Sheet)
FILE NAME - P:\23E3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-038-shs-sanitary-Details - Misc Details.dgn

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SANITARY DETAILS
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: NTS SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE. 57	SECTION RA 2023-1	COUNTY CHAMPAIGN	TOTAL SHEETS 71	SHEET NO. 38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70G29	

CONDUIT SCHEDULE

1. MINIMUM CONDUIT SIZE IS 3/4". ALL CONDUIT STRAPS SHALL BE METAL. NO PLASTIC STRAPS ARE ALLOWED ON THIS PROJECT.
2. CONDUIT INSIDE THE EXISTING RESTROOM BUILDING AND SHALL BE EMT TYPE.
3. CONDUIT OUTSIDE ABOVE GRADE AND THROUGH THE FIRST 90 DEG BEND BELOW GRADE SHALL BE GALVANIZED RIGID STEEL TYPE.
4. CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC TYPE.
5. LIQUID-TIGHT METAL-FLEXIBLE CONDUIT (MAXIMUM OR 24") SHALL BE USED IN CONNECTING MOTORS, SENSING ELEMENTS, INSTRUMENTS, SOLENOID VALVES, OR ANY OTHER DEVICE WHICH TRANSMIT VIBRATION OR NOISE, REQUIRE MOVEMENT FOR ADJUSTMENT, OR REQUIRE REMOVAL FOR MAINTENANCE.

MODEL: Electrical Detail 3 (Sheet)
 FILE NAME: P:\23E3331 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-039-shr-Electrical Notes.dgn



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL NOTES
 I-57 ILLINI PRAIRIE REST AREAS**

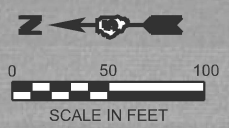
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



Christopher Howe 3-17-2026

CHRISTOPHER HOWE
 P.E. # 062-06564
 EXPIRES: 11-30-2027
 (SHEETS 39-50)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	39
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



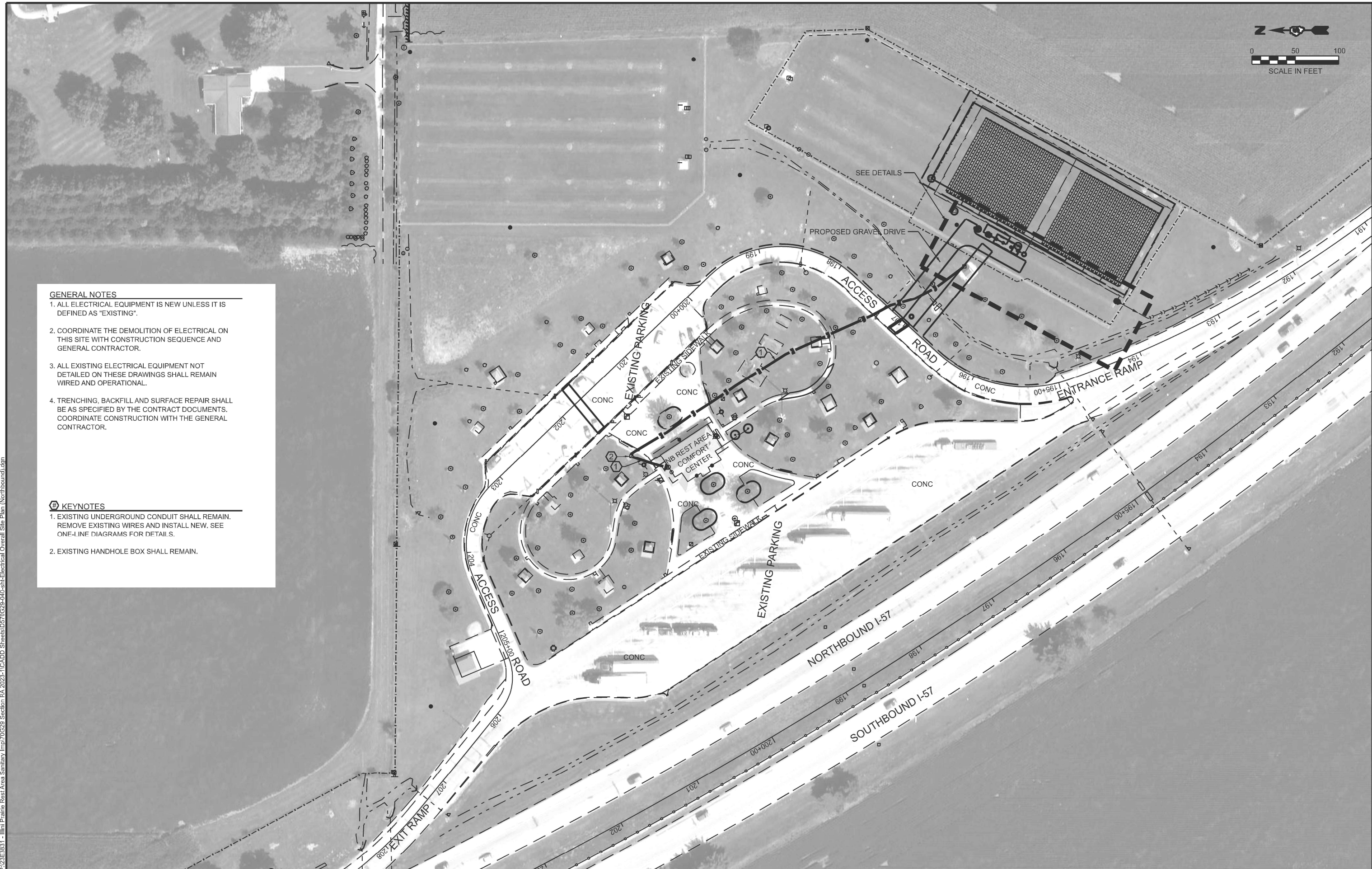
GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT IS NEW UNLESS IT IS DEFINED AS "EXISTING".
2. COORDINATE THE DEMOLITION OF ELECTRICAL ON THIS SITE WITH CONSTRUCTION SEQUENCE AND GENERAL CONTRACTOR.
3. ALL EXISTING ELECTRICAL EQUIPMENT NOT DETAILED ON THESE DRAWINGS SHALL REMAIN WIRED AND OPERATIONAL.
4. TRENCHING, BACKFILL AND SURFACE REPAIR SHALL BE AS SPECIFIED BY THE CONTRACT DOCUMENTS. COORDINATE CONSTRUCTION WITH THE GENERAL CONTRACTOR.

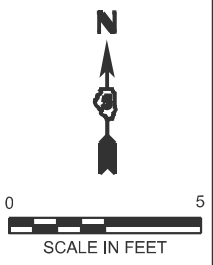
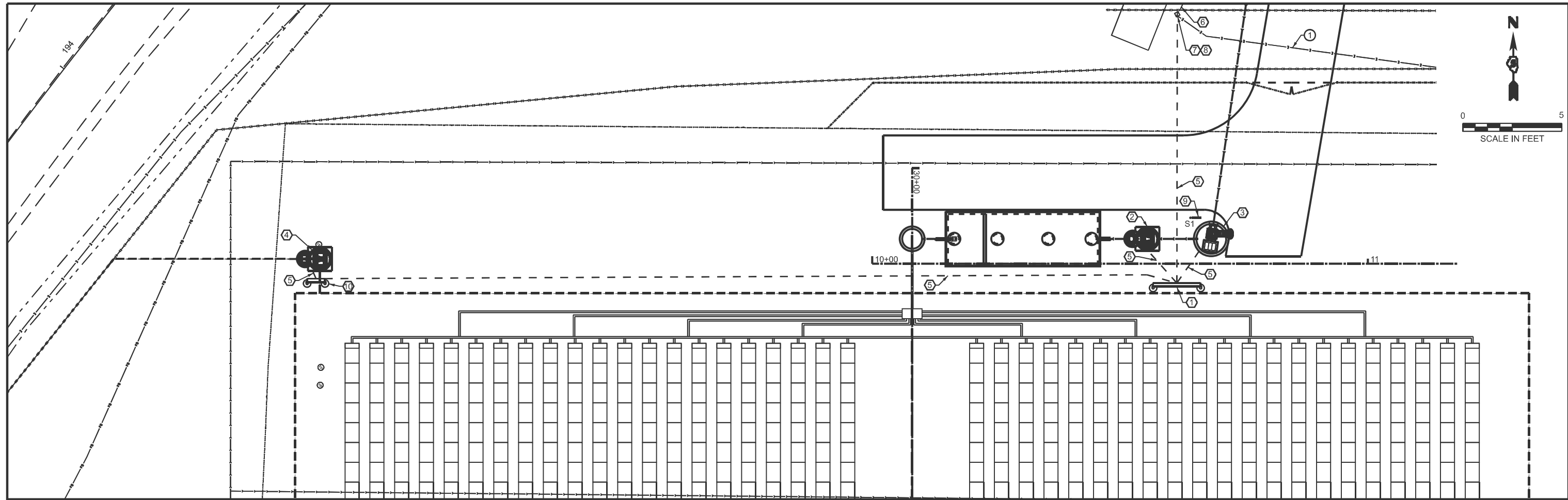
KEYNOTES

1. EXISTING UNDERGROUND CONDUIT SHALL REMAIN. REMOVE EXISTING WIRES AND INSTALL NEW. SEE ONE-LINE DIAGRAMS FOR DETAILS.
2. EXISTING HANDHOLE BOX SHALL REMAIN.

MODEL: Prelim Plans-3 (Sheet)
 FILE NAME: P:\23\23E3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570029-040-sh1-Electrical Overall Site Plan (Northbound).dgn



	USER NAME = rshaw	DESIGNED - CIH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRICAL OVERALL SITE PLAN - NORTHBOUND I-57 ILLINI PRAIRIE REST AREAS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -			57	RA 2023-1	CHAMPAIGN	71	40
					SCALE: 1"=50'	SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT



GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT IS NEW UNLESS IT IS DEFINED AS "EXISTING".
2. TRENCHING, BACKFILL AND SURFACE REPAIR SHALL BE AS SPECIFIED BY THE CONTRACT DOCUMENTS. COORDINATE CONSTRUCTION WITH THE GENERAL CONTRACTOR.

KEYNOTES

1. ELECTRICAL STRUCTURE (ES-1).
2. PUMP STATION.
3. SCREEN.
4. SUMP PUMP.
5. UNDERGROUND CONDUIT(S)/WIRES (TYP.).
6. EXISTING UNDERGROUND CONDUIT SHALL REMAIN.
7. EXISTING HANDHOLE BOX SHALL REMAIN
8. CONNECT NEW UNDERGROUND CONDUIT TO EXISTING HANDHOLE BOX.
9. SITE LIGHT POLE (S1).
10. ELECTRICAL STRUCTURE (ES-2).

DEMO NOTES

1. ABANDON IN PLACE

MODEL: PUMP-STATION-NORTH - Pump, Sta - North - Plan 1 [Sheet]
 FILE NAME: P:\2023\RA 2023-1\CADD Sheets\0570G29 Section RA 2023-1\CADD Sheets\0570G29-04-1-shh-Electrical Partial Site Plan (Northbound).dgn

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PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL PARTIAL SITE PLAN - NORTHBOUND
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. 9+50.00 TO STA. 12+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	41
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

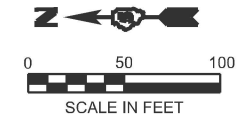
1. ALL ELECTRICAL EQUIPMENT IS NEW UNLESS IT IS DEFINED AS "EXISTING".
2. COORDINATE THE DEMOLITION OF ELECTRICAL ON THIS SITE WITH CONSTRUCTION SEQUENCE AND GENERAL CONTRACTOR.
3. ALL EXISTING ELECTRICAL EQUIPMENT NOT DETAILED ON THESE DRAWINGS SHALL REMAIN WIRED AND OPERATIONAL.
4. TRENCHING, BACKFILL AND SURFACE REPAIR SHALL BE AS SPECIFIED BY THE CONTRACT DOCUMENTS. COORDINATE CONSTRUCTION WITH THE GENERAL CONTRACTOR.

KEYNOTES

1. EXISTING UNDERGROUND CONDUIT SHALL REMAIN. REMOVE EXISTING WIRES AND INSTALL NEW. SEE ONE-LINE DIAGRAMS FOR DETAILS.
2. EXISTING HANDHOLE BOX SHALL REMAIN.
3. HANDHOLE BOX, DOGHOUSE EXISTING UNDERGROUND CONDUIT.
4. UNDERGROUND CONDUIT

DEMO NOTES

1. ABANDON IN PLACE



MODEL: Prelim Plan (Sheet)
 FILE NAME: P:\23\3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\057029-042-sht-Electrical Overall Site Plan (Southbound).dgn



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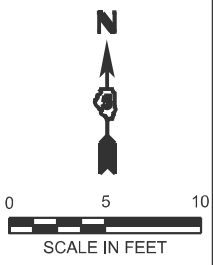
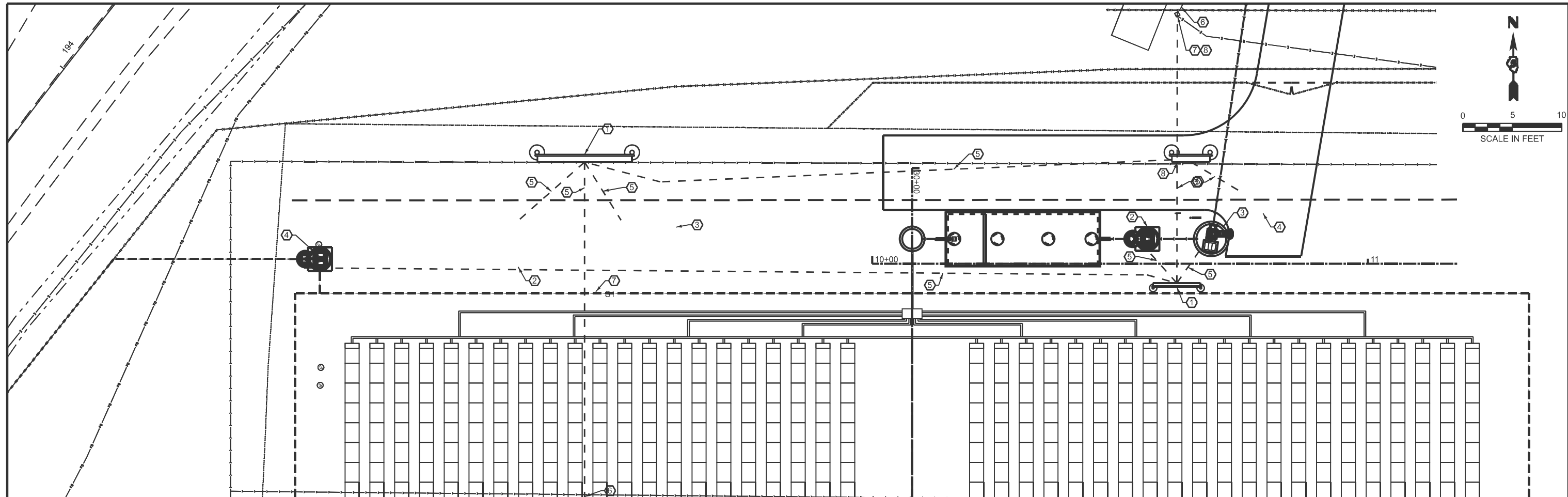
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	DRAWN - RDS	REVISED -
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PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL OVERALL SITE PLAN - SOUTHBOUND
 I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RS 2023-1	CHAMPAIGN	71	42
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT IS NEW UNLESS IT IS DEFINED AS "EXISTING".
2. TRENCHING, BACKFILL AND SURFACE REPAIR SHALL BE AS SPECIFIED BY THE CONTRACT DOCUMENTS. COORDINATE CONSTRUCTION WITH THE GENERAL CONTRACTOR.

KEYNOTES

1. ELECTRICAL STRUCTURE (ES-1).
2. PUMP STATION.
3. SCREEN.
4. SUMP PUMP.
5. UNDERGROUND CONDUIT(S)/WIRES (TYP.).
6. SEE CONTINUATION ON ELECTRICAL OVERALL SITE PLAN.
7. SITE LIGHT POLE (S1).
8. ELECTRICAL STRUCTURE (ES-2).

MODEL: PUMP-STATION-NORTH - Pump, Sta - North - Plan 1 [Sheet]
 FILE NAME: P:\2023\RA 2023-1\CADD Sheets\0570G29-04-shft-Electrical Partial Site Plan (Southbound).dgn

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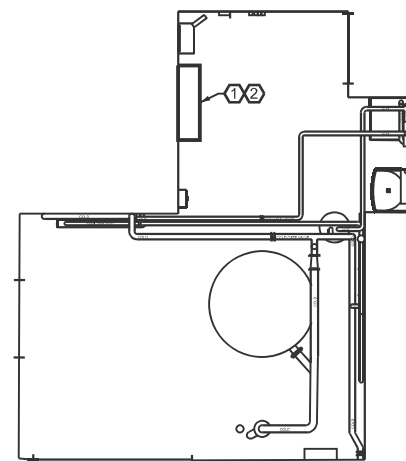
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL PARTIAL SITE PLAN - SOUTHBOUND
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. 9+50.00 TO STA. 12+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	43
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MODEL: Water Bldg Details [Sheet]
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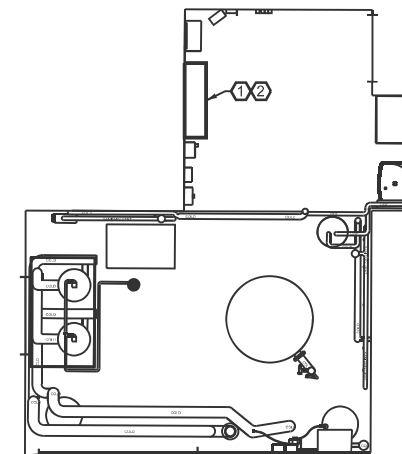
BUILDING PLAN - NORTHBOUND
 N.T.S.

GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT IS NEW UNLESS IT IS DEFINED AS "EXISTING".
2. ALL EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN UNLESS IT IS OTHERWISE STATED TO BE REMOVED.

KEYNOTES

1. EXISTING PANEL MDP-1PN.
2. REMOVE AND REPLACE EXISTING BREAKER AND CIRCUIT WIRING. SEE PANEL SCHEDULE AND ONE-LINE DIAGRAMS FOR MORE DETAILS. RE-USE EXISTING CONDUIT.



BUILDING PLAN - SOUTHBOUND
 N.T.S.

GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT IS NEW UNLESS IT IS DEFINED AS "EXISTING".
2. ALL EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN UNLESS IT IS OTHERWISE STATED TO BE REMOVED.

KEYNOTES

1. EXISTING PANEL MDP-1PS.
2. REMOVE AND REPLACE EXISTING BREAKER AND CIRCUIT WIRING. SEE PANEL SCHEDULE AND ONE-LINE DIAGRAM FOR MORE DETAILS. RE-USE EXISTING CONDUIT.

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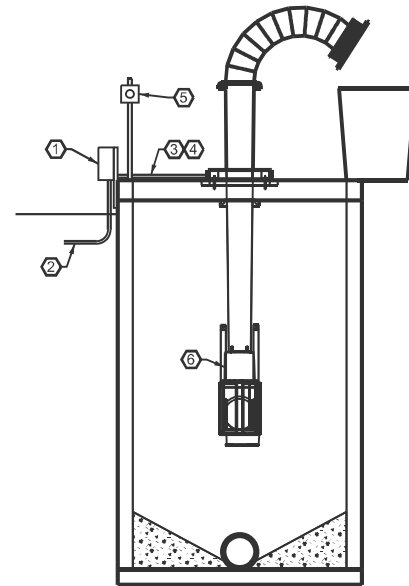
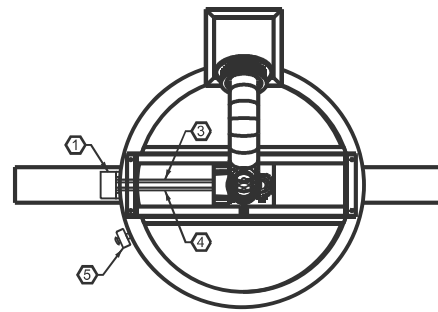
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PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL BUILDING PLAN
 I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	44
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



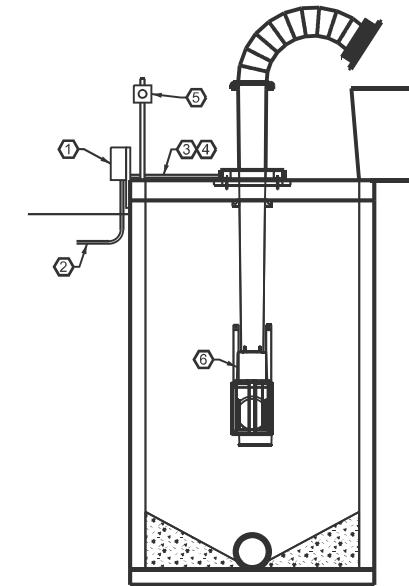
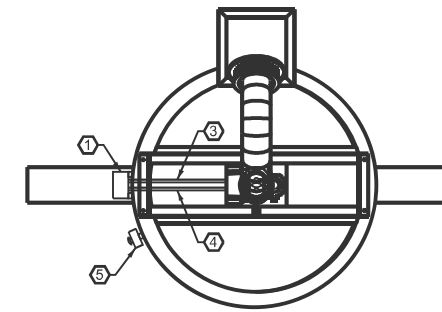
BUILDING PLAN - NORTHBOUND
N.T.S.

GENERAL NOTES

1. ALL WET WELL ELECTRICAL SYSTEM COMPONENTS SHALL COMPLY WITH NEC REQUIREMENTS FOR CLASS 1, DIVISION 1 GROUP D LOCATION.

KEYNOTES

1. NEMA 4 PAINTED STEEL J-BOX, SIZED AS REQUIRED. MOUNT TO SIDE OF CONCRETE STRUCTURE WITH 1-5/8" GALVANIZED UNI-STRUT AND CONCRETE ANCHORS.
2. UNDERGROUND CONDUITS TO SCREEN CONTROL PANEL.
3. SURFACE MOUNTED CONDUIT TO SCREEN MOTOR
4. SURFACE MOUNTED CONDUIT TO HEAT TRACE.
5. EMERGENCY STOP PUSH BUTTON STATION. MOUNT TO SIDE OF CONCRETE STRUCTURE WITH 1-5/8" GALVANIZED UNI-STRUT AND CONCRETE ANCHORS.
6. SCREEN MOTOR.



BUILDING PLAN - SOUTHBOUND
N.T.S.

GENERAL NOTES

1. ALL WET WELL ELECTRICAL SYSTEM COMPONENTS SHALL COMPLY WITH NEC REQUIREMENTS FOR CLASS 1, DIVISION 1 GROUP D LOCATION.

KEYNOTES

1. NEMA 4 PAINTED STEEL J-BOX, SIZED AS REQUIRED. MOUNT TO SIDE OF CONCRETE STRUCTURE WITH 1-5/8" GALVANIZED UNI-STRUT AND CONCRETE ANCHORS.
2. UNDERGROUND CONDUITS TO SCREEN CONTROL PANEL.
3. SURFACE MOUNTED CONDUIT TO SCREEN MOTOR
4. SURFACE MOUNTED CONDUIT TO HEAT TRACE.
5. EMERGENCY STOP PUSH BUTTON STATION. MOUNT TO SIDE OF CONCRETE STRUCTURE WITH 1-5/8" GALVANIZED UNI-STRUT AND CONCRETE ANCHORS.
6. SCREEN MOTOR.

MODEL: SSVIP - Details [Sheet]
FILE NAME: P:\23E3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-045-shh-Electrical Screen Details.dgn



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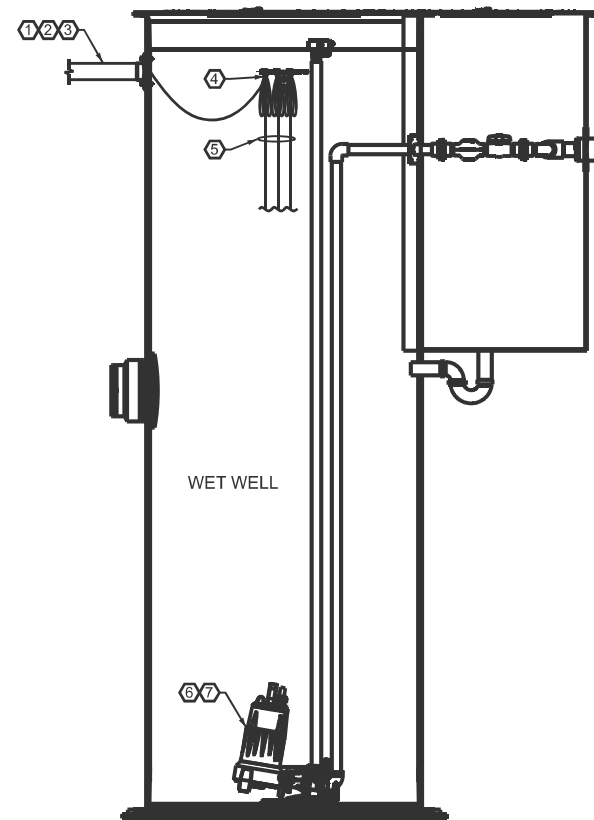
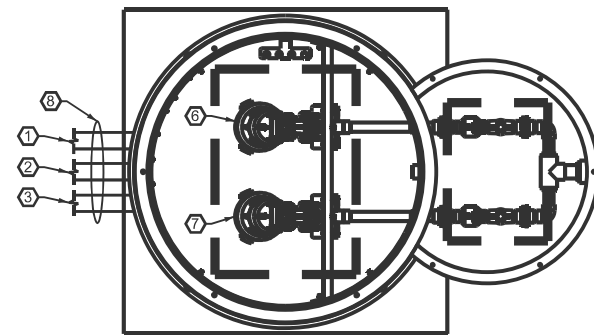
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ELECTRICAL SCREEN DETAILS
I-57 ILLINI PRAIRIE REST AREAS

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

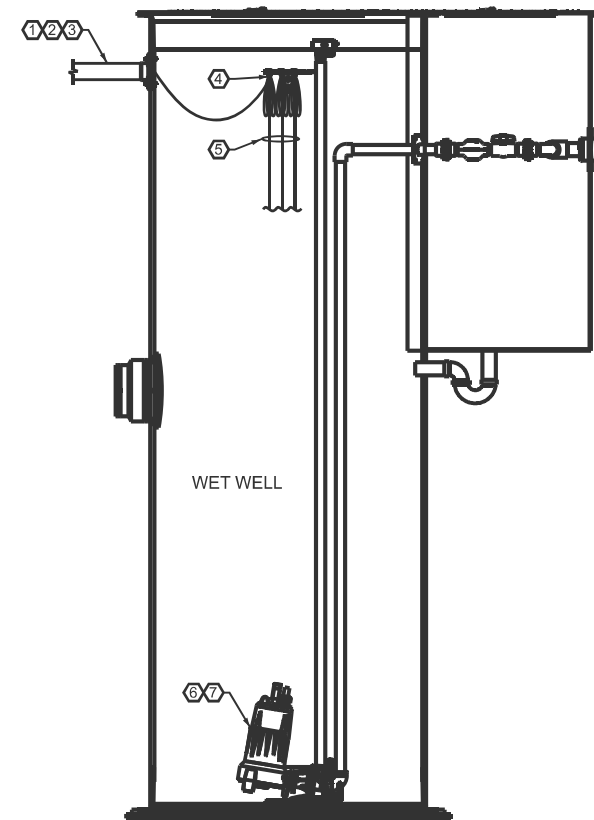
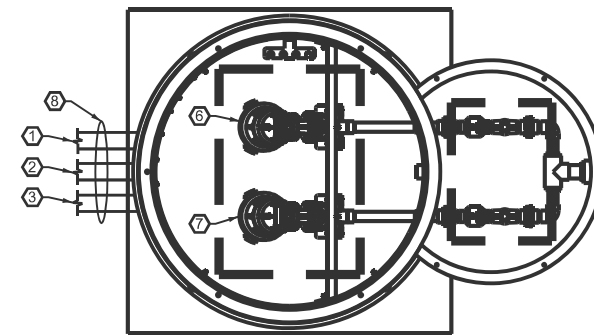
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	45
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



PUMP STATION - NORTHBOUND
N.T.S.

GENERAL NOTES

1. ALL WET WELL ELECTRICAL SYSTEM COMPONENTS SHALL COMPLY WITH NEC REQUIREMENTS FOR CLASS 1, DIVISION 1 GROUP D LOCATION.
 2. PROVIDE SS CHAIN WITH WEIGHT TO SUPPORT THE FLOAT CABLES. ATTACH THE FLOAT CABLES TO THE CHAIN WITH SS WIRE ROPE CLAMPS.
- KEYNOTES**
1. (1) UNDERGROUND CONDUIT TO PUMP 1.
 2. (1) UNDERGROUND CONDUIT TO PUMP 2.
 3. (1) UNDERGROUND CONDUIT TO FLOAT SWITCHES.
 4. PROVIDE 316 SS KELLEM GRIPS FOR PUMPS AND FLOAT SWITCH CABLES TO HANG IN THE WET WELL.
 5. HANGING PUMP AND FLOAT CABLES
 6. PUMP 1.
 7. PUMP 2.
 8. THESE CONDUIT SHALL BE GALVANIZED RIGID METAL THE FULL LENGTH FROM THE ELECTRICAL STRUCTURE TO THE WET WELL.



PUMP STATION - SOUTHBOUND
N.T.S.

GENERAL NOTES

1. ALL WET WELL ELECTRICAL SYSTEM COMPONENTS SHALL COMPLY WITH NEC REQUIREMENTS FOR CLASS 1, DIVISION 1 GROUP D LOCATION.
 2. PROVIDE SS CHAIN WITH WEIGHT TO SUPPORT THE FLOAT CABLES. ATTACH THE FLOAT CABLES TO THE CHAIN WITH SS WIRE ROPE CLAMPS.
- KEYNOTES**
1. (1) UNDERGROUND CONDUIT TO PUMP 1.
 2. (1) UNDERGROUND CONDUIT TO PUMP 2.
 3. (1) UNDERGROUND CONDUIT TO FLOAT SWITCHES.
 4. PROVIDE 316 SS KELLEM GRIPS FOR PUMPS AND FLOAT SWITCH CABLES TO HANG IN THE WET WELL.
 5. HANGING PUMP AND FLOAT CABLES
 6. PUMP 1.
 7. PUMP 2.
 8. THESE CONDUIT SHALL BE GALVANIZED RIGID METAL THE FULL LENGTH FROM THE ELECTRICAL STRUCTURE TO THE WET WELL.

MODEL: SSVIP - Details [Sheet]
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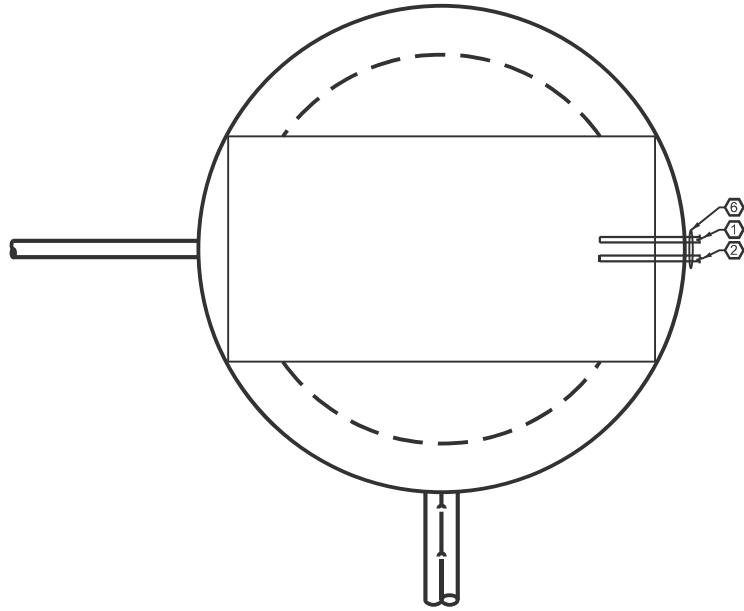
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DEPARTMENT OF TRANSPORTATION

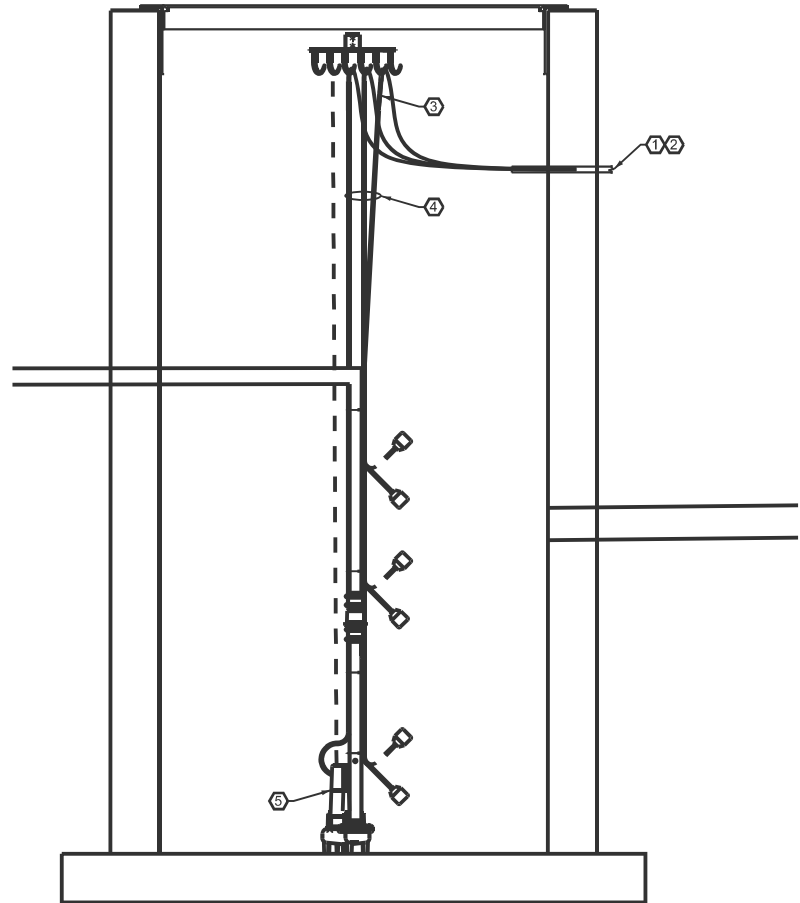
ELECTRICAL DUPLEX PUMP STATION DETAILS
I-57 ILLINI PRAIRIE REST AREAS

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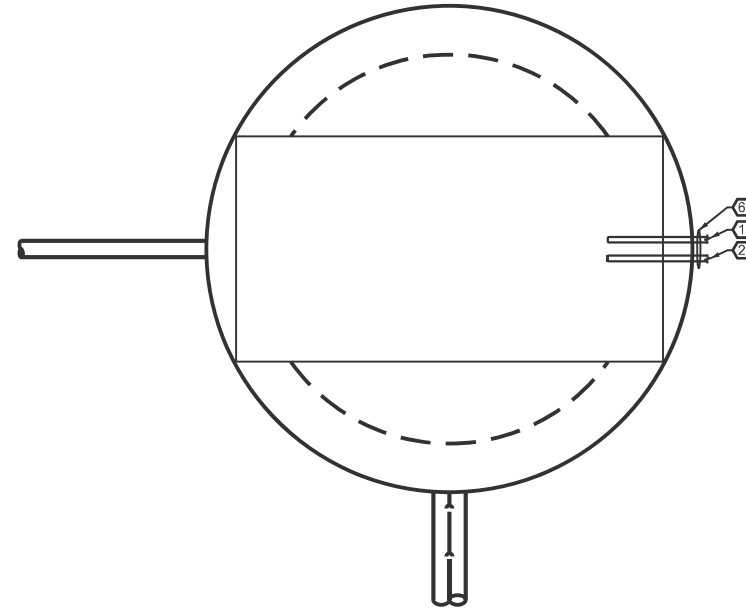
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57	RA 2023-1	CHAMPAIGN	71	46
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



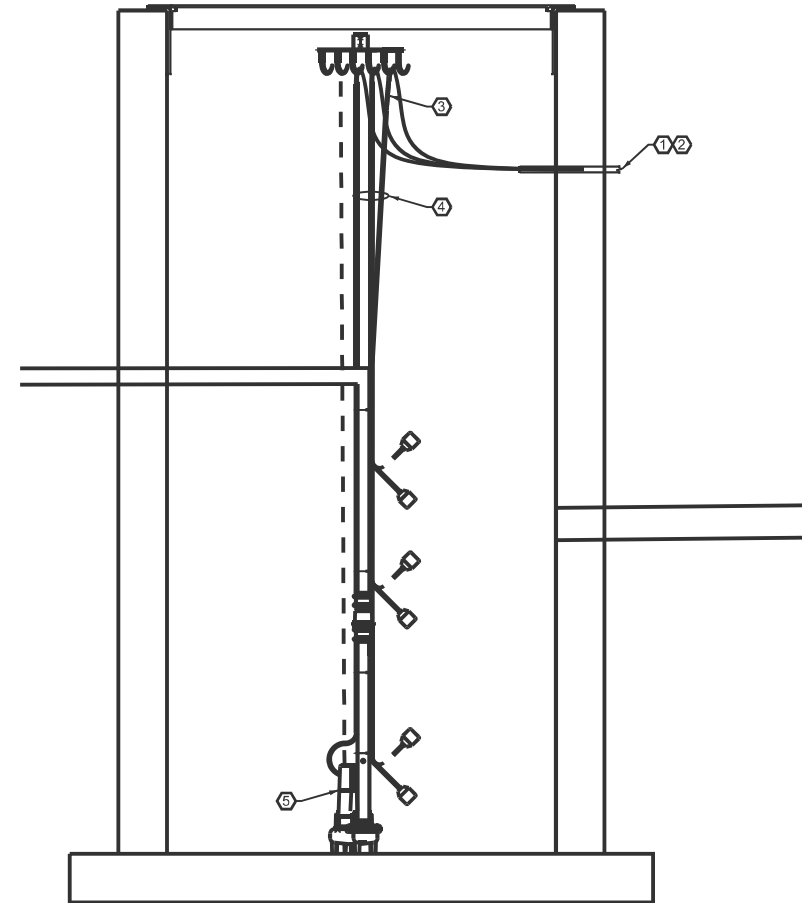
- GENERAL NOTES**
1. PROVIDE SS CHAIN WITH WEIGHT TO SUPPORT THE FLOAT CABLES. ATTACH THE FLOAT CABLES TO THE CHAIN WITH SS WIRE ROPE CLAMPS.
- KEYNOTES**
1. (1) UNDERGROUND CONDUIT TO SUMP PUMP.
 2. (1) UNDERGROUND CONDUIT TO FLOAT SWITCHES.
 3. PROVIDE 316 SS KELLEM GRIPS FOR PUMPS AND FLOAT SWITCH CABLES TO HANG IN THE WET WELL.
 4. HANGING PUMP AND FLOAT CABLES
 5. SUMP PUMP.
 6. THESE CONDUITS SHALL BE GALVANIZED RIGID METAL THE FULL LENGTH FROM THE ELECTRICAL STRUCTURE TO THE WET WELL.



SUMP PUMP - NORTHBOUND
N.T.S.



- GENERAL NOTES**
1. PROVIDE SS CHAIN WITH WEIGHT TO SUPPORT THE FLOAT CABLES. ATTACH THE FLOAT CABLES TO THE CHAIN WITH SS WIRE ROPE CLAMPS.
- KEYNOTES**
1. (1) UNDERGROUND CONDUIT TO SUMP PUMP.
 2. (1) UNDERGROUND CONDUIT TO FLOAT SWITCHES.
 3. PROVIDE 316 SS KELLEM GRIPS FOR PUMPS AND FLOAT SWITCH CABLES TO HANG IN THE WET WELL.
 4. HANGING PUMP AND FLOAT CABLES
 5. SUMP PUMP.
 6. THESE CONDUITS SHALL BE GALVANIZED RIGID METAL THE FULL LENGTH FROM THE ELECTRICAL STRUCTURE TO THE WET WELL.



SUMP PUMP - SOUTHBOUND
N.T.S.

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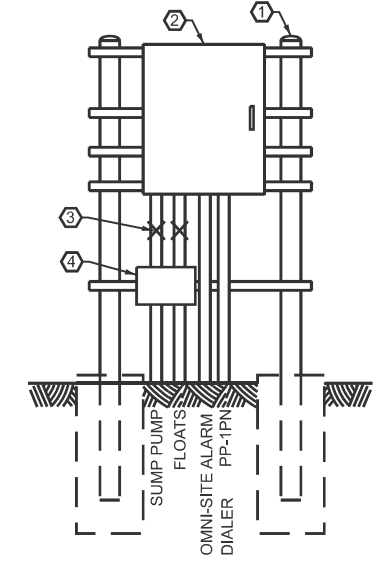
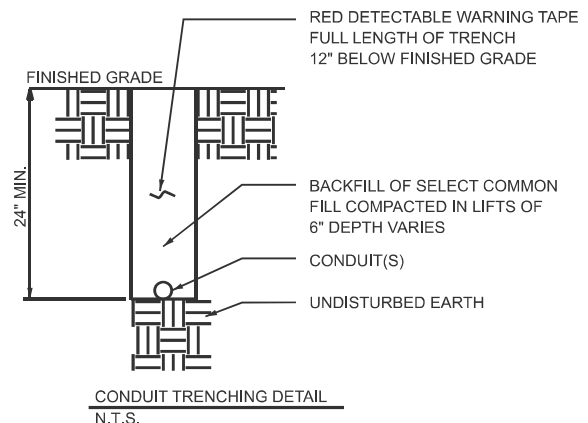
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STATE OF ILLINOIS
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ELECTRICAL SIMPLEX SUMP PUMP DETAILS
I-57 ILLINI PRAIRIE REST AREAS

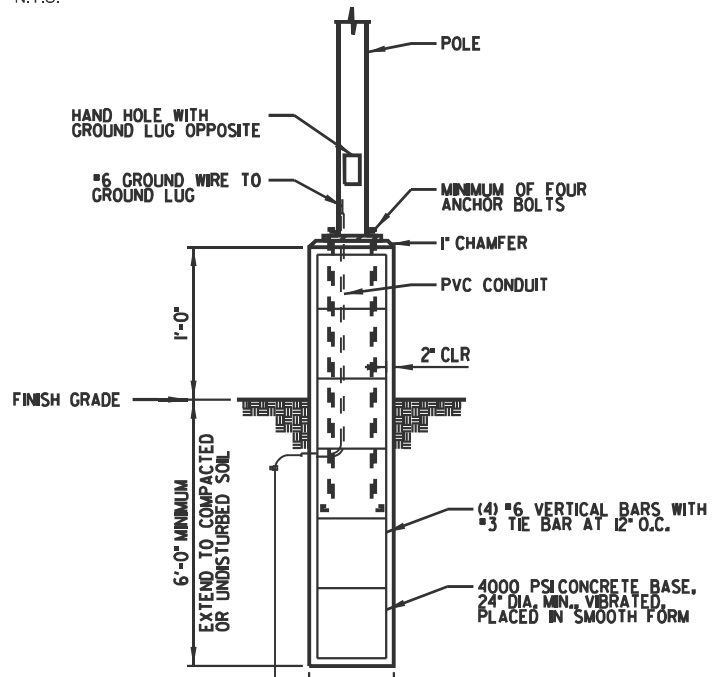
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

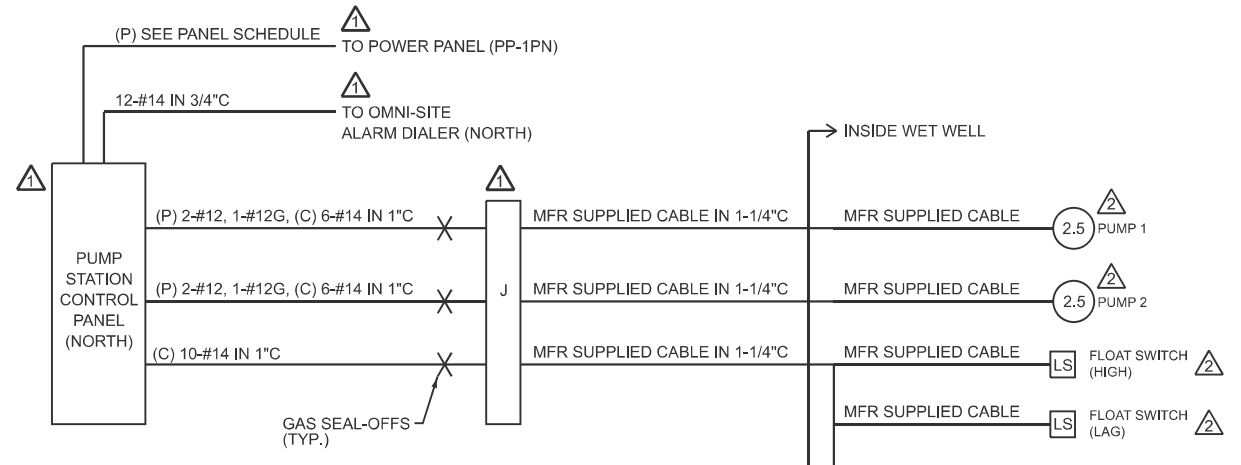


- KEYNOTES**
- ELECTRICAL STRUCTURE. PROVIDE VERTICAL 3" GALVANIZED RIGID STEEL POLES WITH TOP CAPS EMBEDDED INTO 18" X 5' CONCRETE. HORIZONTAL BACK-TO-BACK 1-5/8" GALVANIZED UNI-STRUT, STRAPS AND FASTENERS AS REQUIRED.
 - SUMP PUMP CONTROL PANEL (NORTH).
 - GAS SEAL-OFF (TYP.).
 - WIREWAY. NEMA 4 PAINTED STEEL. SIZED AS REQUIRED.

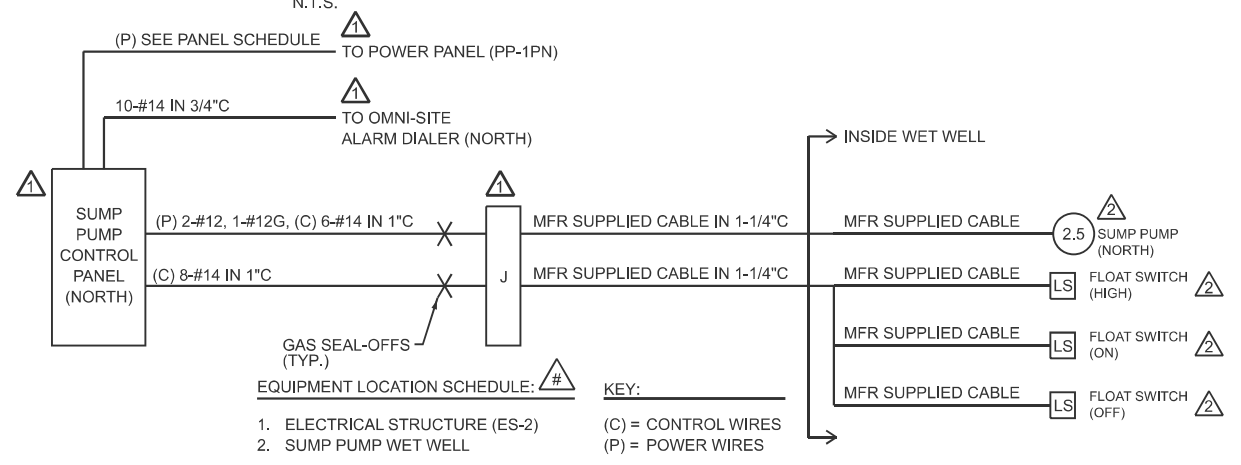
ELECTRICAL STRUCTURE (ES-2) ELEVATION VIEW (NORTHBOUND)
N.T.S.



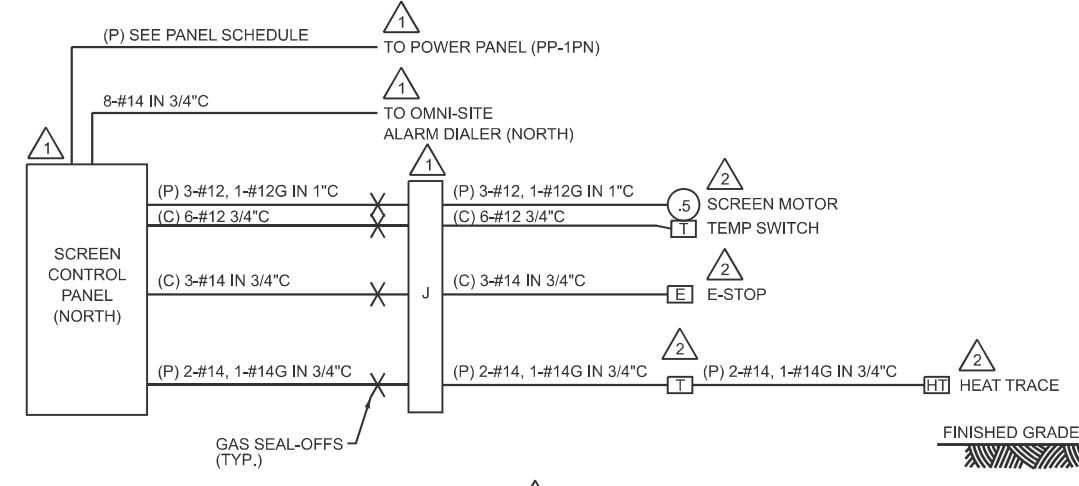
LIGHT POLE SUPPORT DETAIL (TYP.)
N.T.S.



- EQUIPMENT LOCATION SCHEDULE: #** **KEY:**
- ELECTRICAL STRUCTURE (ES-1)
 - PUMP STATION WET WELL
- (C) = CONTROL WIRES
(P) = POWER WIRES

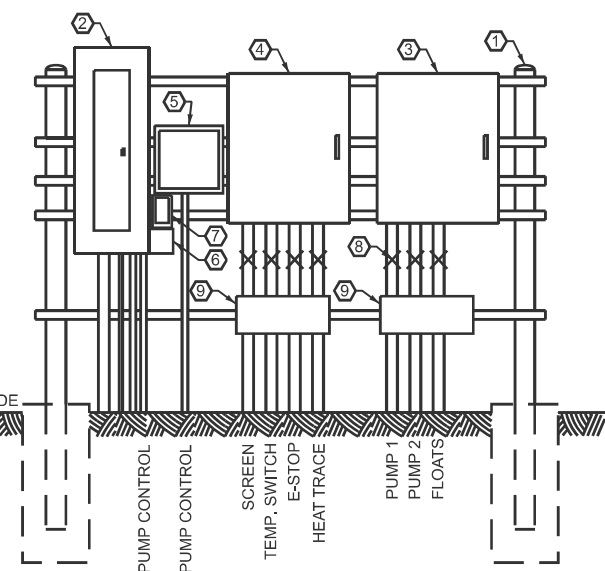


- EQUIPMENT LOCATION SCHEDULE: #** **KEY:**
- ELECTRICAL STRUCTURE (ES-2)
 - SUMP PUMP WET WELL
- (C) = CONTROL WIRES
(P) = POWER WIRES

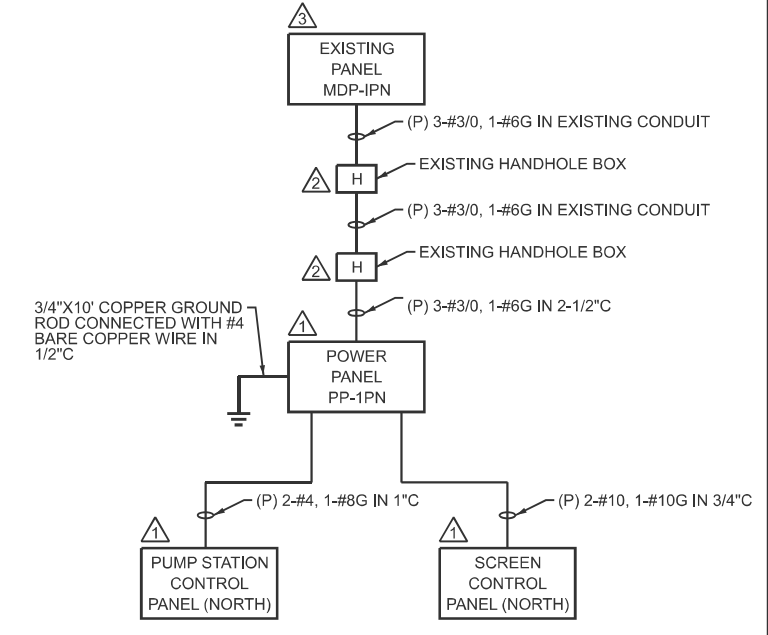


- EQUIPMENT LOCATION SCHEDULE: #** **KEY:**
- ELECTRICAL STRUCTURE (ES-1)
 - SCREEN
- (C) = CONTROL WIRES
(P) = POWER WIRES

INTERCONNECTION DIAGRAM - SCREEN (NORTHBOUND)
N.T.S.

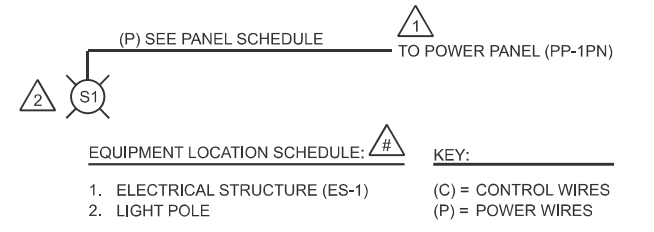


ELECTRICAL STRUCTURE (ES-1) ELEVATION VIEW (NORTHBOUND)
N.T.S.



- EQUIPMENT LOCATION SCHEDULE: #** **KEY:**
- ELECTRICAL STRUCTURE (ES-1)
 - FIELD
 - EXISTING RESTROOM BLDG
- (C) = CONTROL WIRES
(P) = POWER WIRES

ONE-LINE DIAGRAM - NORTHBOUND
N.T.S.



- EQUIPMENT LOCATION SCHEDULE: #** **KEY:**
- ELECTRICAL STRUCTURE (ES-1)
 - LIGHT POLE
- (C) = CONTROL WIRES
(P) = POWER WIRES

INTERCONNECTION DIAGRAM - SITE LIGHT (NORTHBOUND)
N.T.S.

- KEYNOTES**
- ELECTRICAL STRUCTURE. PROVIDE VERTICAL 3" GALVANIZED RIGID STEEL POLES WITH TOP CAPS EMBEDDED INTO 18" X 5' CONCRETE. HORIZONTAL BACK-TO-BACK 1-5/8" GALVANIZED UNI-STRUT, STRAPS AND FASTENERS AS REQUIRED.
 - POWER PANEL (PP-1PN).
 - PUMP STATION CONTROL PANEL (NORTH).
 - SCREEN CONTROL PANEL (NORTH).
 - OMNI-SITE ALARM DIALER (NORTH).
 - SURGE PROTECTIVE DEVICE. 100KA, 120V/240V, 1PH, 3W. DITEK D100-120/2401 OR EQUIVALENT.
 - RECEPTACLE. 20A, 120V GFCI COMMERCIAL GRADE IN CAST ALUMINUM BOX AND METAL IN-USE COVER.
 - GAS SEAL-OFF (TYP.).
 - WIREWAY. NEMA 4 PAINTED STEEL. SIZED AS REQUIRED.

MODEL: Electrical Detail 1 (Sheet) FILE NAME: P:\2023\RA 2023-1\CADD Sheets\0570G29-048-sh1-Electrical Details.dgn



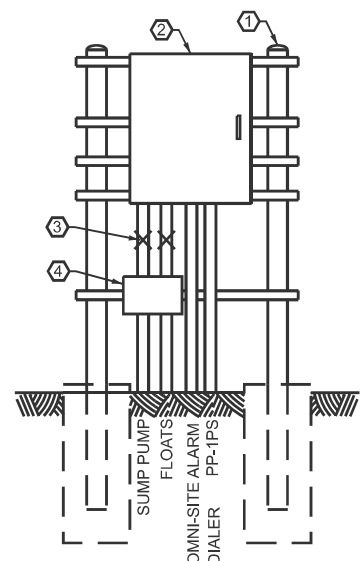
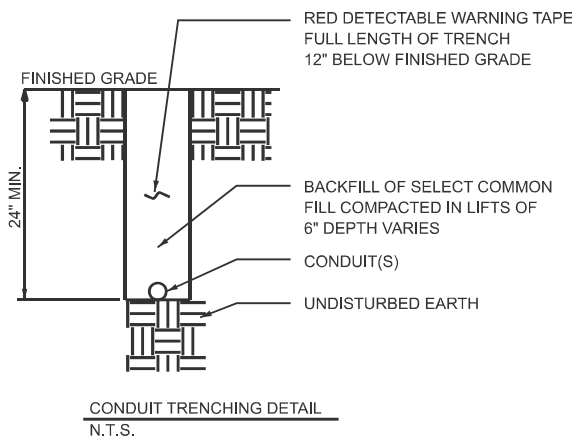
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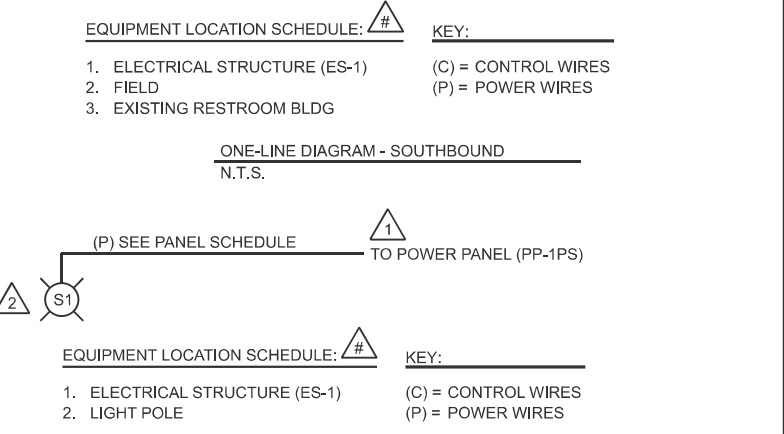
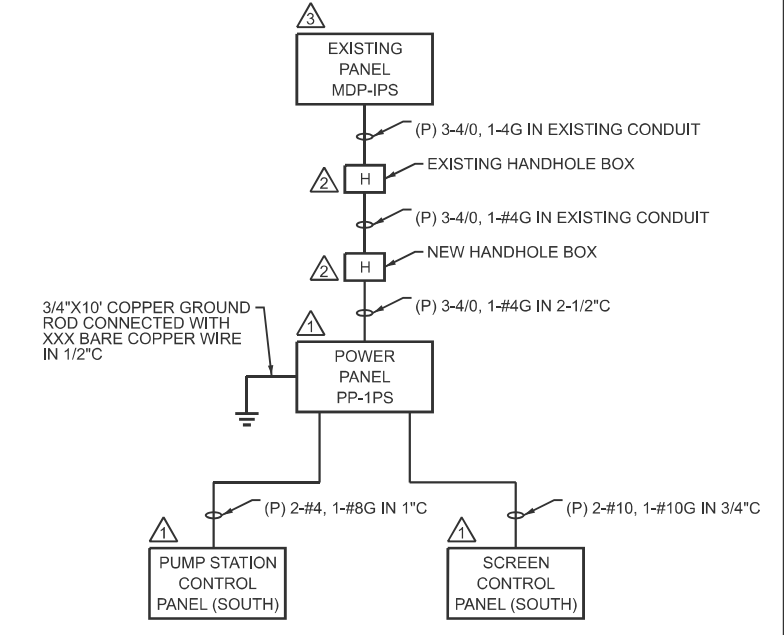
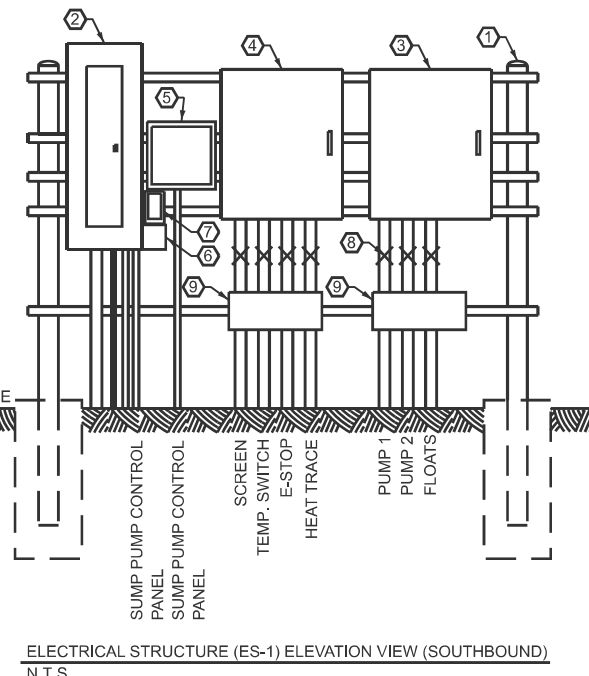
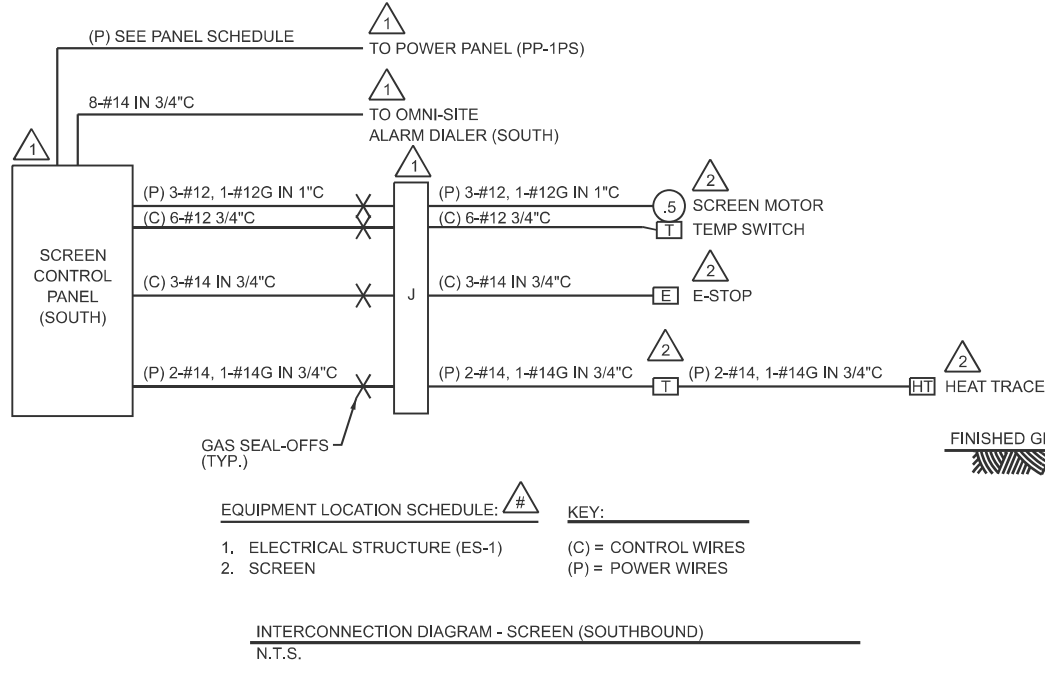
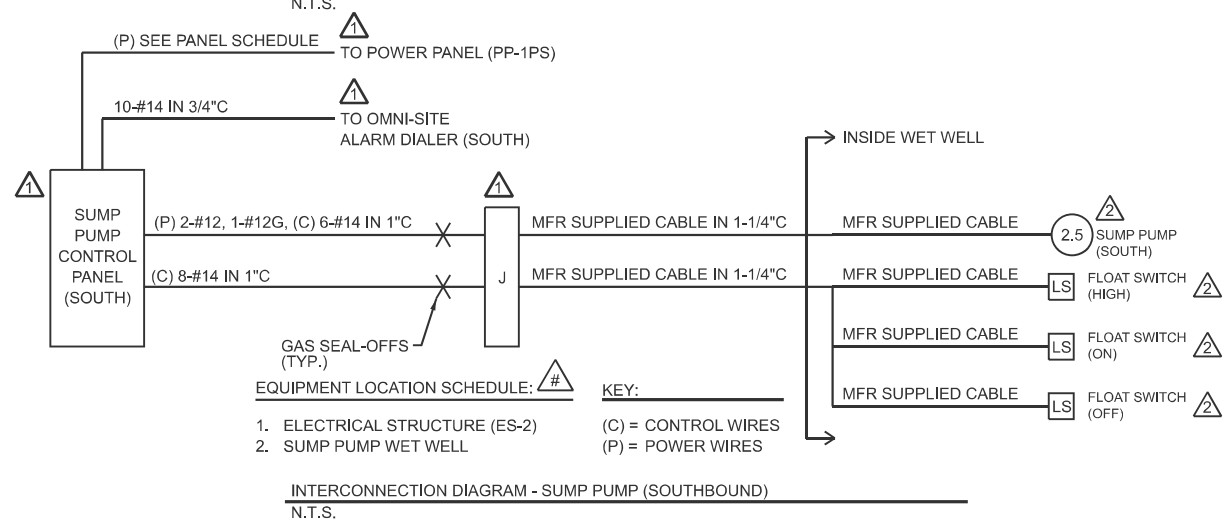
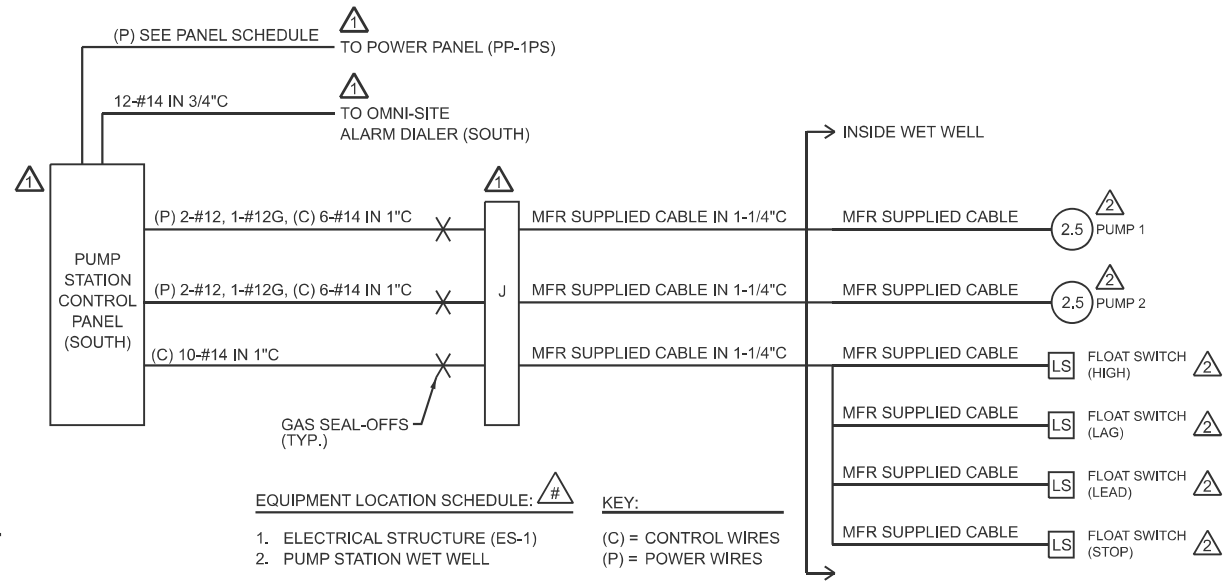
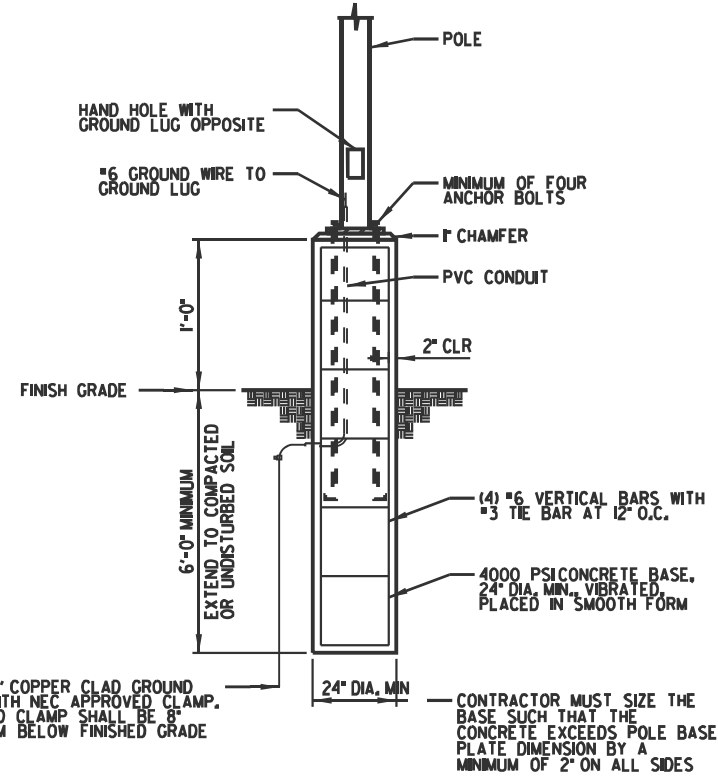
ELECTRICAL DETAILS
I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	48
CONTRACT NO. 70G29				
ILLINOIS		FED. AID PROJECT		



- KEYNOTES**
1. ELECTRICAL STRUCTURE. PROVIDE VERTICAL 3" GALVANIZED RIGID STEEL POLES WITH TOP CAPS EMBEDDED INTO 18" X 5' CONCRETE. HORIZONTAL BACK-TO-BACK 1-5/8" GALVANIZED UNI-STRUT, STRAPS AND FASTENERS AS REQUIRED.
 2. SUMP PUMP CONTROL PANEL (SOUTH).
 3. GAS SEAL-OFF (TYP.).
 4. WIREWAY. NEMA 4 PAINTED STEEL. SIZED AS REQUIRED.



- KEYNOTES**
1. ELECTRICAL STRUCTURE. PROVIDE VERTICAL 3" GALVANIZED RIGID STEEL POLES WITH TOP CAPS EMBEDDED INTO 18" X 5' CONCRETE. HORIZONTAL BACK-TO-BACK 1-5/8" GALVANIZED UNI-STRUT, STRAPS AND FASTENERS AS REQUIRED.
 2. POWER PANEL (PP-1PS).
 3. PUMP STATION CONTROL PANEL (SOUTH).
 4. SCREEN CONTROL PANEL (SOUTH).
 5. OMNI-SITE ALARM DIALER (SOUTH).
 6. SURGE PROTECTIVE DEVICE. 100KA, 120/240V, 1PH, 3W, DITEK D100-120/2401 OR EQUIVALENT.
 7. RECEPTACLE. 20A, 120V GFCI COMMERCIAL GRADE IN CAST ALUMINUM BOX AND METAL IN-USE COVER.
 8. GAS SEAL-OFF (TYP.).
 9. WIREWAY. NEMA 4 PAINTED STEEL. SIZED AS REQUIRED.

MODEL: Electrical Detail 1 (Sheet)
FILE NAME: P:\2023\RA Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-049-shh-Electrical Details.dgn



USER NAME = rshaw	DESIGNED - CIH	REVISED -
1970 Lafayette Avenue Jacksonville, FL 32204 (317) 885-4146 bentoneng.com	DRAWN - RDS	REVISED -
	CHECKED - CIH	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS
I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	49
CONTRACT NO. 70G29				
ILLINOIS		FED. AID PROJECT		

PANEL SCHEDULE									
Panel Name	MDP-1PN (EXISTING)		SCCR Rating		35,000				
Location	Mechical/Electrical Room		Phase		1				
Brand	Eaton		Poles		28				
Model #	Pow-R-Line		Breaker Style		Bolt-In				
Breaker Style	Bolt-In		Main Type		Breaker				
Main Type	400		NEMA Enclosure		1				
Main Amps	400		System Voltage		240/120V-1Ø-3W				
Mounting	Surface								
Ckt	Description	Brkr Amps	No. of Poles	Notes	Phase	No. of Poles	Brkr Amps	Description	Ckt
1			2	1	A	1	2		2
3					B				4
5	POWER PANEL (PP-1PN)	100	2	2,3	A	1	2		6
7					B				8
9			2	1	A	1	2		10
11					B				12
13			2	1	A	1	2		14
15					B				16
17			2	1	A	1	2		18
19					B				20
21					A				22
23					B				24
25					A				26
27					B				28

Notes:

1	EXISTING BREAKER & CIRCUIT SHALL REMAIN	5	
2	REMOVE EXISTING BREAKER & CIRCUIT	6	
3	INSTALL NEW BREAKER & CIRCUIT	7	
4		8	

PANEL SCHEDULE											
Panel Name	PP-1PN		SCCR Rating		10,000						
Location	Electrical Structure (ES-1)		Bus Type / Amps		Tin Plated Copper / 100						
Brand	Schneider Electric or equal		Phase		1						
Model #	NQ		Poles		18						
Breaker Style	Bolt-In		Fed From		MDP-1PN						
Main Type	Breaker		Feeder OCP		Inverse Time Breaker						
Main Amps	100		NEMA Enclosure		3R						
Mounting	Surface		System Voltage		240/120V-1Ø-3W						
Ckt	Description	Lead KVA	Brkr Amps	No. of Poles	Notes	Phase	No. of Poles	Brkr Amps	Lead KVA	Description	Ckt
1	PUMP STATION CONTROL PANEL (NORTH)		70	2	4	A	1	1	20	RECEPTACLE	2
3						B	1	1	20	OMNI-SITE ALARM DIALER	4
5	SCREEN CONTROL PANEL (NORTH)		30	2	2	A					6
7						B					8
9	SUMP PUMP CONTROL PANEL (NORTH)		60	2	5	A	1	2	20	SITE LIGHT (S1)	10
11						B					12
13						A					14
15	SURGE PROTECTIVE DEVICE		30	2	3	B					16
17						A					18

Notes:

1	2-#12, 1-#12G IN 3/4"C	4	2-#6, 1-#8G IN 1"C
2	2-#10, 1-#10G IN 1"C	5	2-#8, 1-#8G IN 1"C
3	MRF SUPPLIER CABLE	6	

OMNI-SITE ALARM DIALER INPUT / OUTPUT SCHEDULE					
CONTROL PANEL	DEVICE	FUNCTIONAL DESCRIPTION	TYPE		
			DI	DO	AI
NORTH BOUND	PUMP STATION - PUMP 1	RUN INDICATE	1		
	PUMP STATION - PUMP 1	FAULT	1		
	PUMP STATION - PUMP 2	RUN INDICATE	1		
	PUMP STATION - PUMP 2	FAULT	1		
	PUMP STATION - HIGH LEVEL FLOAT	ALARM	1		
	SUMP PUMP	RUN INDICATE	1		
	SUMP PUMP	FAULT	1		
	SUMP PUMP - HIGH LEVEL FLOAT	ALARM	1		
	SCREEN - MOTOR	RUN INDICATE	1		
	SCREEN - MOTOR	FAULT	1		
TOTAL			10	0	0

LIGHTING FIXTURE SCHEDULE (NORTHBOUND)										
(Item refers to lighting fixture symbols)										
ITEM	WATTS	COLOR	VOLTS	LUMENS	DISTRIBUTION	MOUNTING	PHOTOCELL	DESCRIPTION	MANUF. & MODEL No. OR EQUIV.	NOTES
S1	68	4000	240	9,763	TYPE 3 MEDIUM	POLE	YES	LED, POLE LIGHT, CAST ALUMINUM, SILICONE LENS, 20KV SURGE PROTECTION, PHOTOCELL, BRONZE	HOLOPHANE DSX1-LED-P2-40K-80CRI-T3M-MVOLT-PER-SDP20KV-DDBXD OR EQUIVALENT	25' SQUARE STRAIGHT ALUMINUM POLE, BRONZE COLOR

PANEL SCHEDULE									
Panel Name	MDP-1PS (EXISTING)		SCCR Rating		35,000				
Location	Mechical/Electrical Room		Phase		1				
Brand	Eaton		Poles		28				
Model #	Pow-R-Line		Breaker Style		Bolt-In				
Breaker Style	Bolt-In		Main Type		Breaker				
Main Type	400		NEMA Enclosure		1				
Main Amps	400		System Voltage		240/120V-1Ø-3W				
Mounting	Surface								
Ckt	Description	Brkr Amps	No. of Poles	Notes	Phase	No. of Poles	Brkr Amps	Description	Ckt
1			2	1	A	1	2		2
3					B				4
5	POWER PANEL (PP-1PS)	100	2	2,3	A	1	2		6
7					B				8
9			2	1	A	1	2		10
11					B				12
13			2	1	A	1	2		14
15					B				16
17			2	1	A	1	2		18
19					B				20
21					A				22
23					B				24
25					A				26
27					B				28

Notes:

1	EXISTING BREAKER & CIRCUIT SHALL REMAIN	5	
2	REMOVE EXISTING BREAKER & CIRCUIT	6	
3	INSTALL NEW BREAKER & CIRCUIT	7	
4		8	

PANEL SCHEDULE											
Panel Name	PP-1PS		SCCR Rating		10,000						
Location	Electrical Structure (ES-1)		Bus Type / Amps		Tin Plated Copper / 100						
Brand	Schneider Electric or equal		Phase		1						
Model #	NQ		Poles		18						
Breaker Style	Bolt-In		Fed From		MDP-1PS						
Main Type	Breaker		Feeder OCP		Inverse Time Breaker						
Main Amps	100		NEMA Enclosure		3R						
Mounting	Surface		System Voltage		240/120V-1Ø-3W						
Ckt	Description	Lead KVA	Brkr Amps	No. of Poles	Notes	Phase	No. of Poles	Brkr Amps	Lead KVA	Description	Ckt
1	PUMP STATION CONTROL PANEL (SOUTH)		70	2	4	A	1	1	20	RECEPTACLE	2
3						B	1	1	20	OMNI-SITE ALARM DIALER	4
5	SCREEN CONTROL PANEL (SOUTH)		30	2	2	A					6
7						B					8
9	SUMP PUMP CONTROL PANEL (SOUTH)		60	2	5	A	1	2	20	SITE LIGHT (S1)	10
11						B					12
13						A					14
15	SURGE PROTECTIVE DEVICE		30	2	3	B					16
17						A					18

Notes:

1	2-#12, 1-#12G IN 3/4"C	4	2-#6, 1-#8G IN 1"C
2	2-#10, 1-#10G IN 1"C	5	2-#8, 1-#8G IN 1"C
3	MRF SUPPLIER CABLE	6	

OMNI-SITE ALARM DIALER INPUT / OUTPUT SCHEDULE					
CONTROL PANEL	DEVICE	FUNCTIONAL DESCRIPTION	TYPE		
			DI	DO	AI
SOUTH BOUND	PUMP STATION - PUMP 1	RUN INDICATE	1		
	PUMP STATION - PUMP 1	FAULT	1		
	PUMP STATION - PUMP 2	RUN INDICATE	1		
	PUMP STATION - PUMP 2	FAULT	1		
	PUMP STATION - HIGH LEVEL FLOAT	ALARM	1		
	SUMP PUMP	RUN INDICATE	1		
	SUMP PUMP	FAULT	1		
	SUMP PUMP - HIGH LEVEL FLOAT	ALARM	1		
	SCREEN - MOTOR	RUN INDICATE	1		
	SCREEN - MOTOR	FAULT	1		
TOTAL			10	0	0

LIGHTING FIXTURE SCHEDULE (SOUTHBOUND)										
(Item refers to lighting fixture symbols)										
ITEM	WATTS	COLOR	VOLTS	LUMENS	DISTRIBUTION	MOUNTING	PHOTOCELL	DESCRIPTION	MANUF. & MODEL No. OR EQUIV.	NOTES
S1	68	4000	240	9,763	TYPE 3 MEDIUM	POLE	YES	LED, POLE LIGHT, CAST ALUMINUM, SILICONE LENS, 20KV SURGE PROTECTION, PHOTOCELL, BRONZE	HOLOPHANE DSX1-LED-P2-40K-80CRI-T3M-MVOLT-PER-SDP20KV-DDBXD OR EQUIVALENT	25' SQUARE STRAIGHT ALUMINUM POLE, BRONZE COLOR

MODEL - Electrical Detail 2 (Sheet)
FILE NAME - P:\23E3831 - Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-050-shht-Electrical Details.dgn



USER NAME = rshaw	DESIGNED - CIH	REVISED -
	DRAWN - RDS	REVISED -
	CHECKED - CIH	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS
I-57 ILLINI PRAIRIE REST AREAS

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

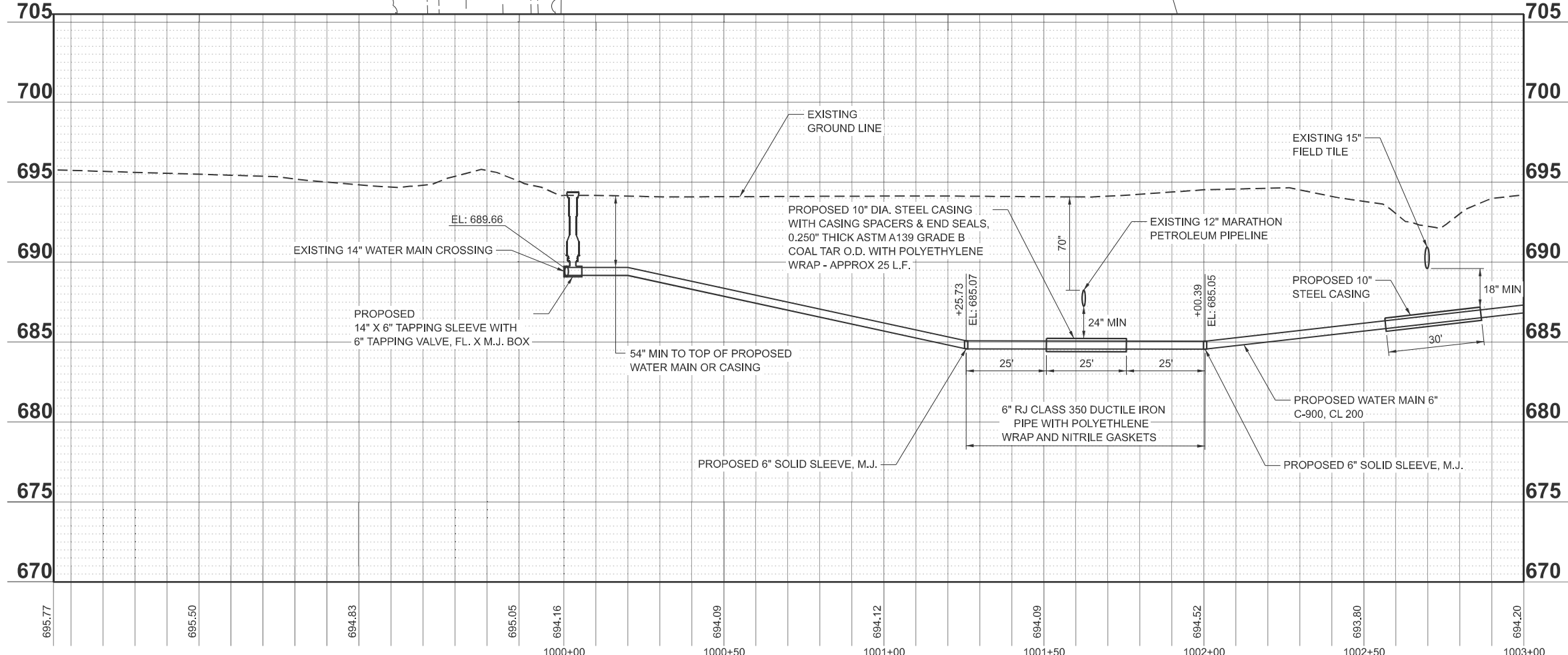
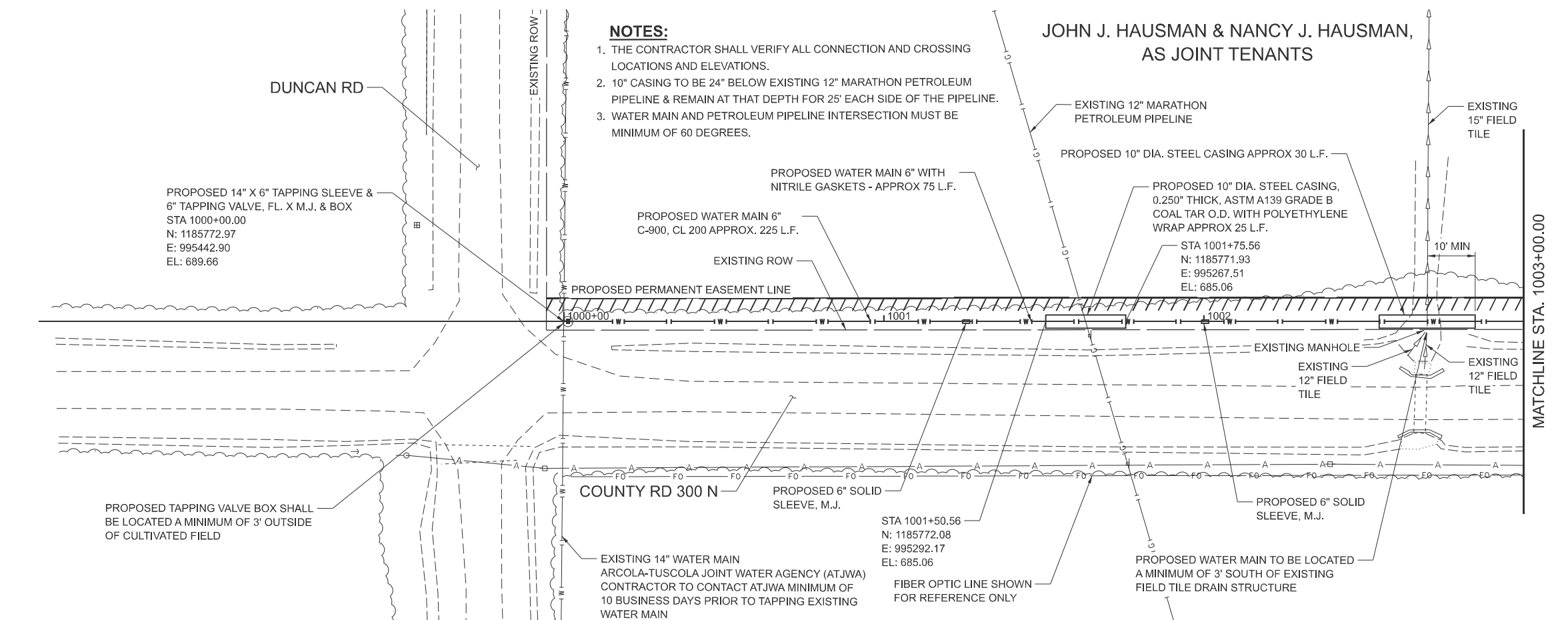
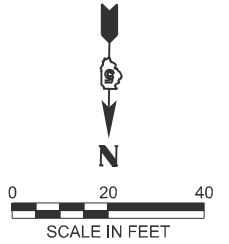
F.A. RTE. 57	SECTION RA 2023-1	COUNTY	TOTAL SHEETS 71	SHEET NO. 50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70G29	

MODEL: WATERMAIN1 - Plan 1 (Sheet)
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-Plan1-Water.dgn

JOHN J. HAUSMAN & NANCY J. HAUSMAN,
 AS JOINT TENANTS

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONNECTION AND CROSSING LOCATIONS AND ELEVATIONS.
2. 10" CASING TO BE 24" BELOW EXISTING 12" MARATHON PETROLEUM PIPELINE & REMAIN AT THAT DEPTH FOR 25' EACH SIDE OF THE PIPELINE.
3. WATER MAIN AND PETROLEUM PIPELINE INTERSECTION MUST BE MINIMUM OF 60 DEGREES.



USER NAME	= RGoertz	DESIGNED	- C. JONES	REVISED	-
DRAWN	- M. GLIME	REVISIONS	-	DATE	-
CHECKED	- J. HEADEN	DATE	- MARCH 2026	REVISED	-
PLOT DATE	= 5/30/2026				

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

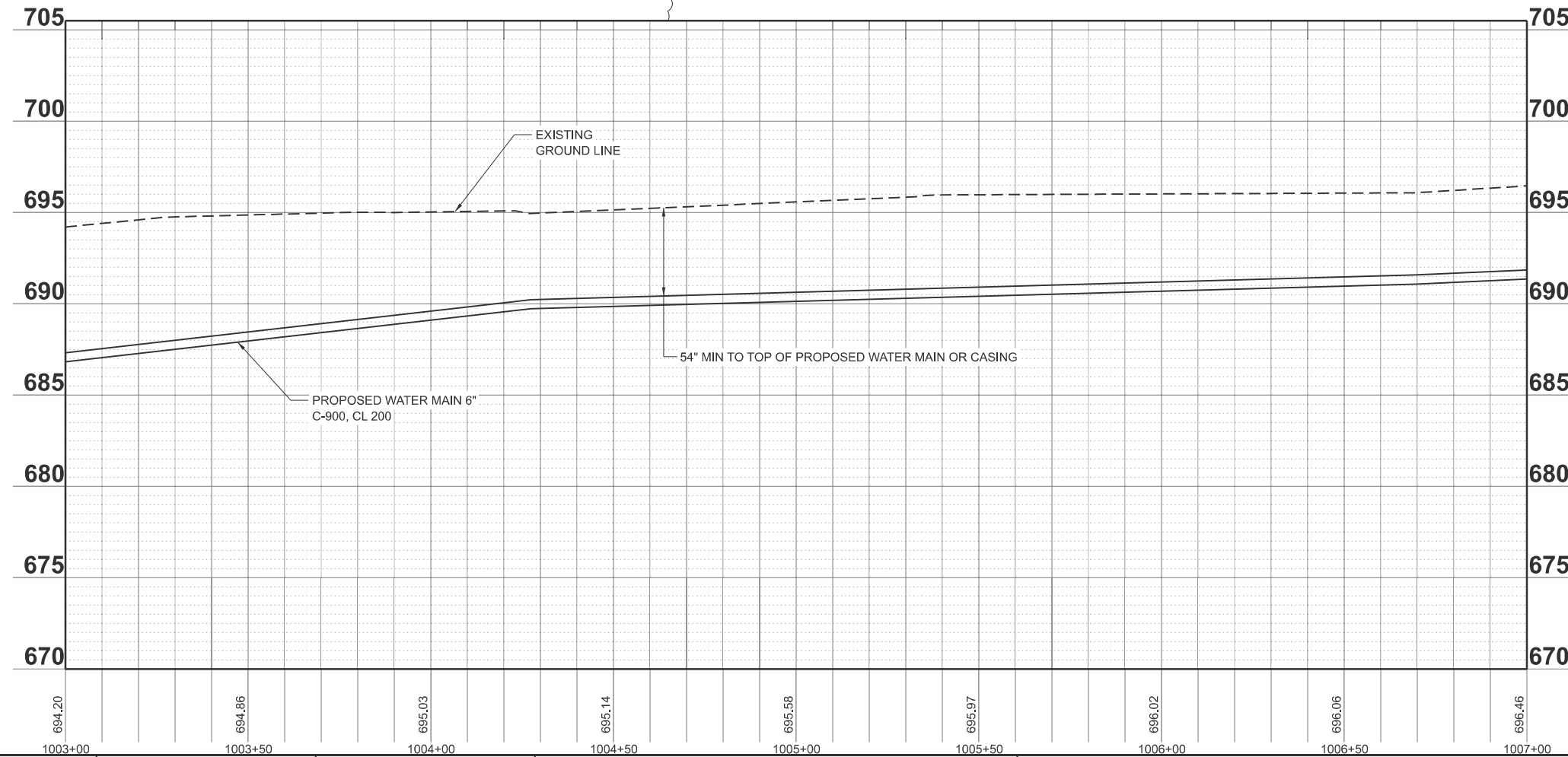
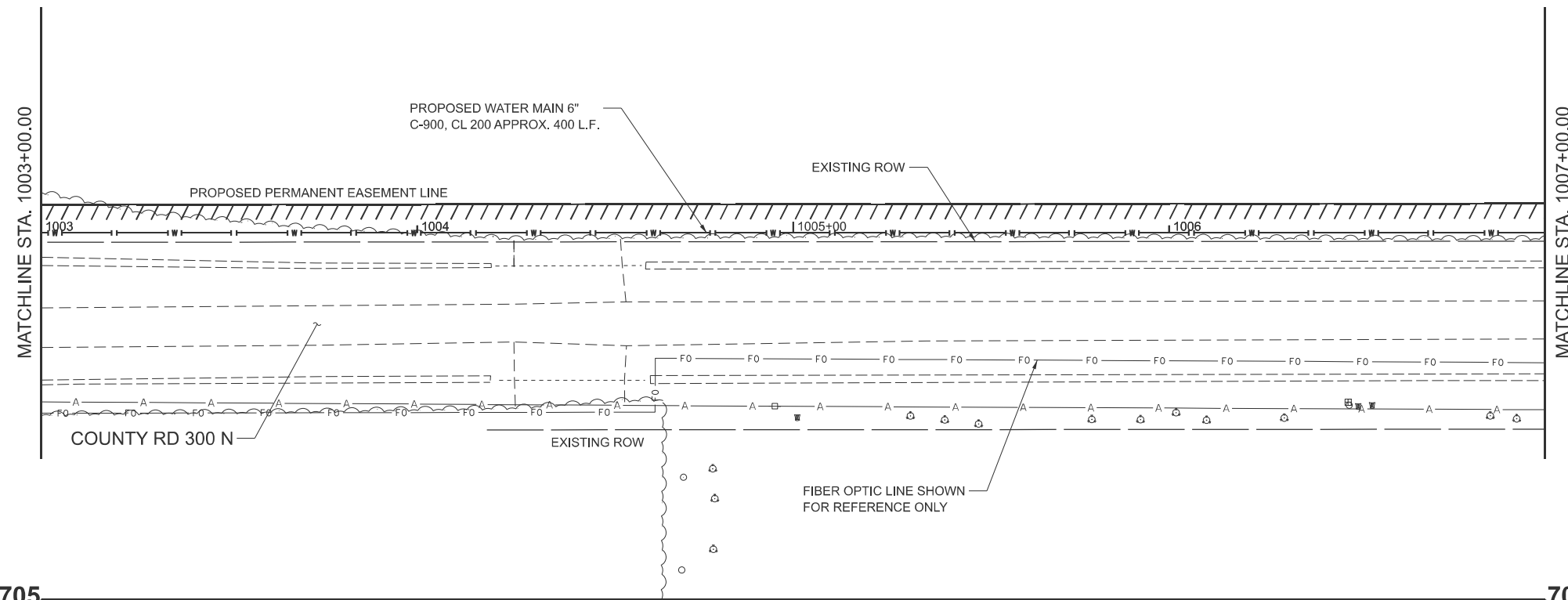
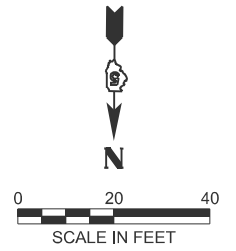
PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 1 OF 13 SHEETS STA. 1000+00.00 TO STA. 1003+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	51
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

JOHN J. HAUSMAN & NANCY J. HAUSMAN,
AS JOINT TENANTS

NOTE:
THE CONTRACTOR SHALL VERIFY
ALL CONNECTION AND CROSSING
LOCATIONS AND ELEVATIONS.



MODEL: WATERMAIN1 - Plan 2 (Sheet)
FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shh-Plan1-Water.dgn



USER NAME	= RGoertz	DESIGNED	- C. JONES	REVISED	-
		DRAWN	- M. GLIME	REVISED	-
PLOT SCALE	= \$\$SCALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	= 5/30/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

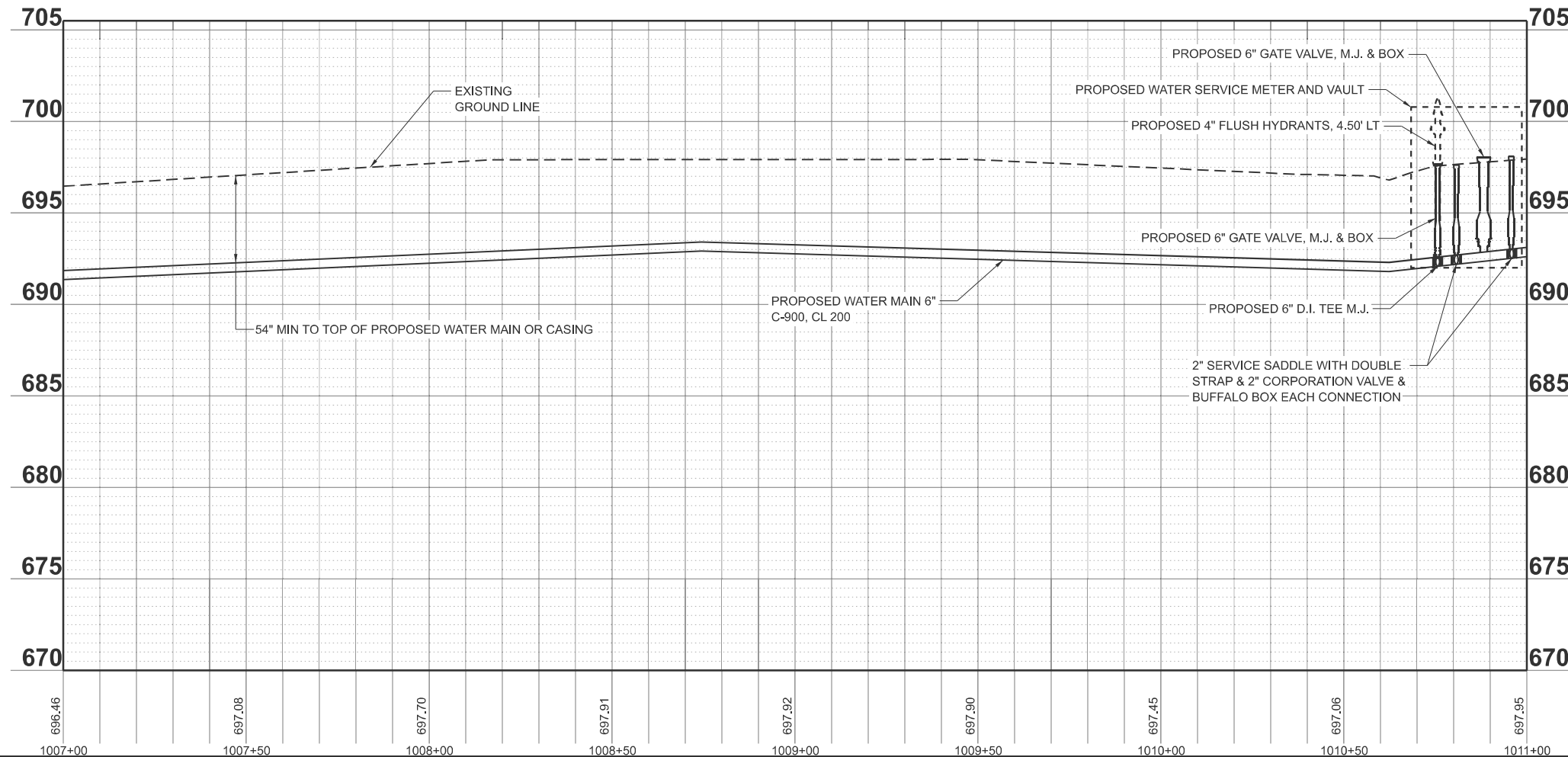
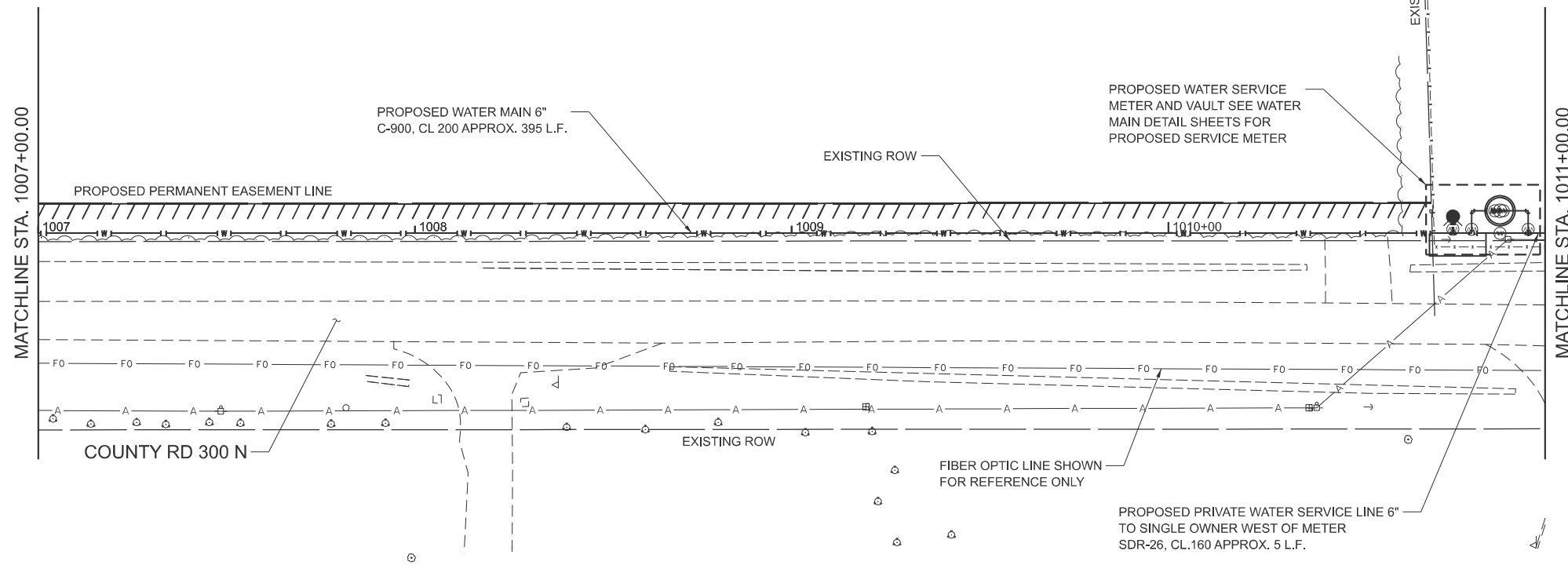
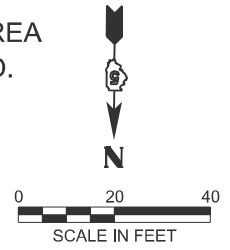
SCALE: 1"=20' SHEET 2 OF 13 SHEETS STA. 1003+00.00 TO STA. 1007+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	52
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

NOTE:
THE CONTRACTOR SHALL VERIFY
ALL CONNECTION AND CROSSING
LOCATIONS AND ELEVATIONS.

JOHN J. HAUSMAN & NANCY J. HAUSMAN,
AS JOINT TENANTS

I.D.O.T. PROPERTY
ILLINI PRAIRIE REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)



MODEL: WATERMAIN1 - Plan 3 (Sheet)
FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase I\CADD\CADD Sheets\0570G29-shh-Plan3-Water.dgn



USER NAME	= RGoertz	DESIGNED	- C. JONES	REVISED	-
		DRAWN	- M. GLIME	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	= 5/30/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 3 OF 13 SHEETS STA. 1007+00.00 TO STA. 1011+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	53
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

NOTE:
THE CONTRACTOR SHALL VERIFY
ALL CONNECTION AND CROSSING
LOCATIONS AND ELEVATIONS.

I.D.O.T. PROPERTY
ILLINI PRAIRIE REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)

I.D.O.T. PROPERTY
ILLINI PRAIRIE REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)

PROPOSED 6" - D.I. 45° BEND M.J.
STA 2000+54.24
N: 1185711.01
E: 994133.80
EL: 695.19

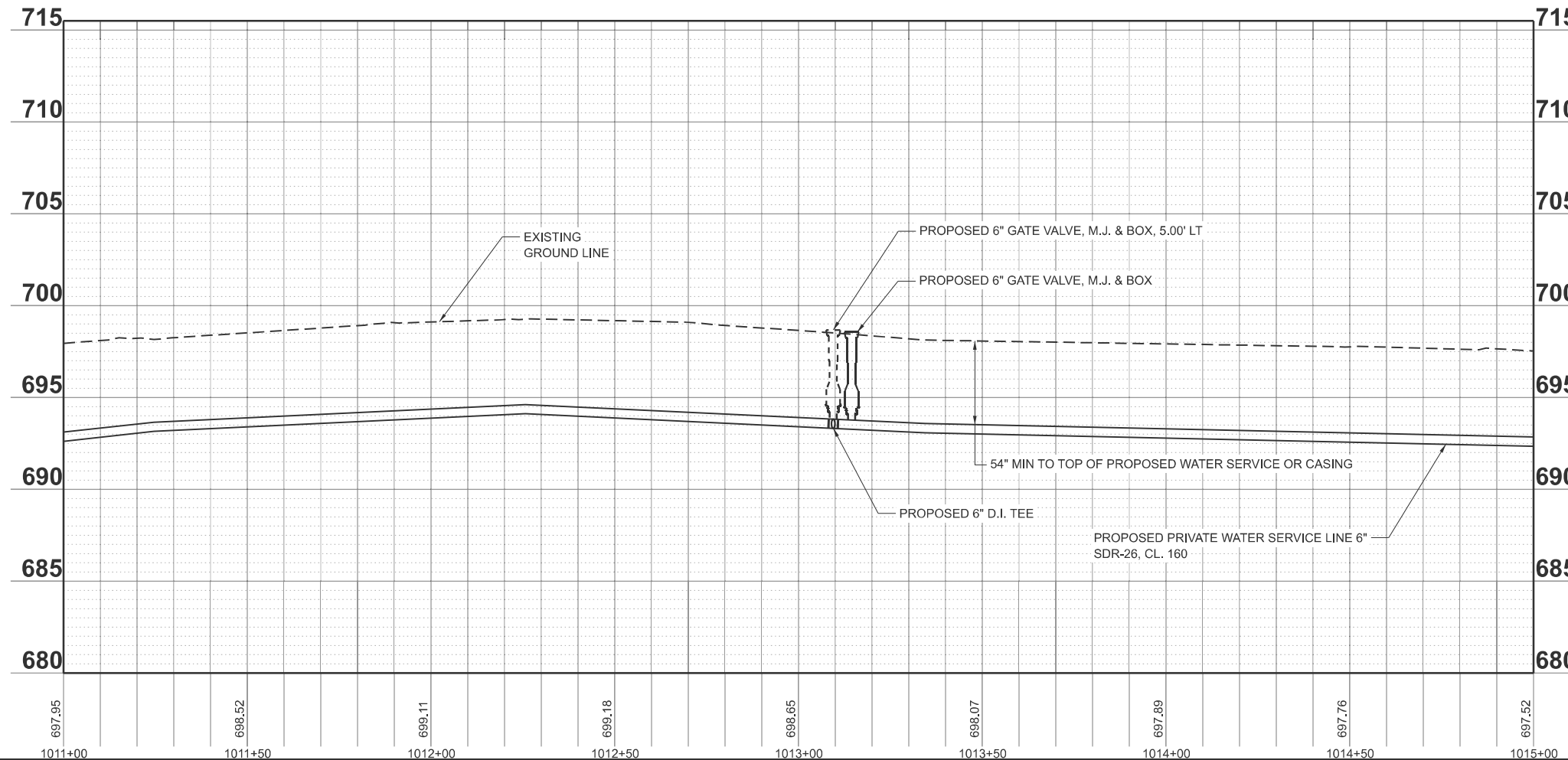
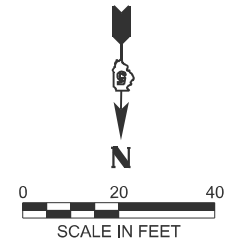
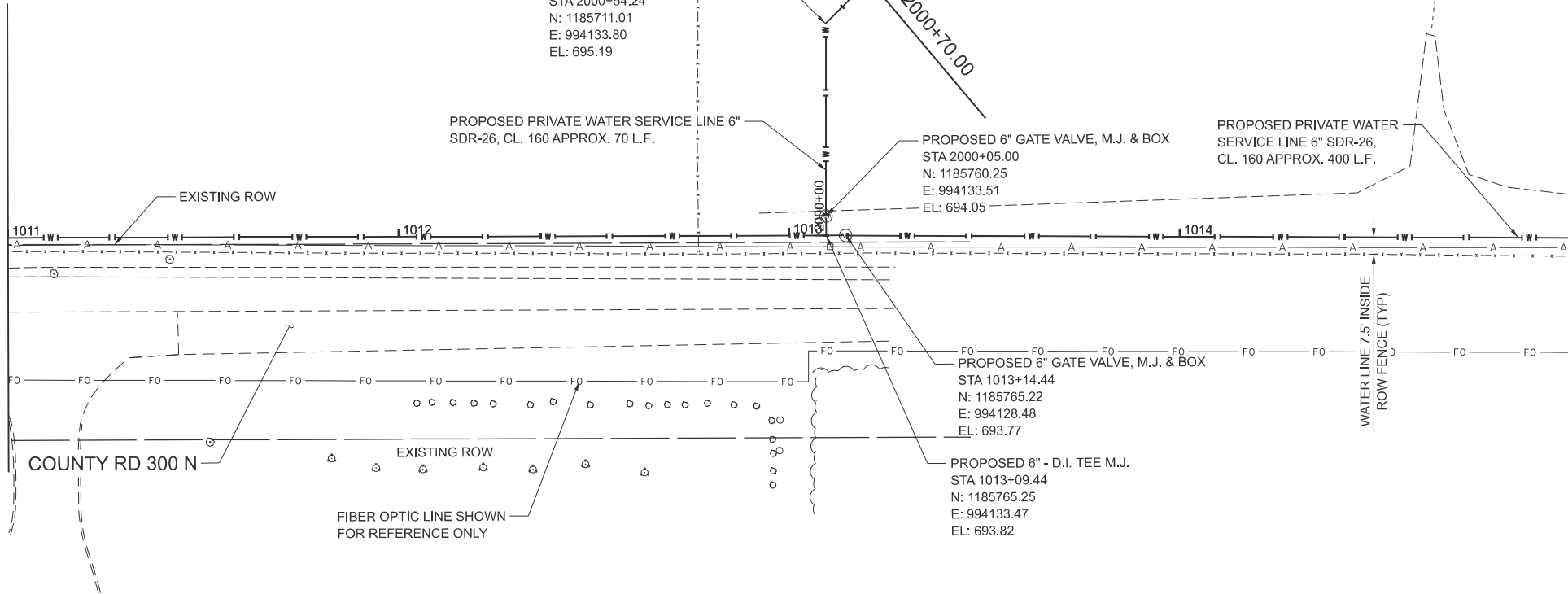
PROPOSED PRIVATE WATER SERVICE LINE 6"
SDR-26, CL. 160 APPROX. 70 L.F.

PROPOSED 6" GATE VALVE, M.J. & BOX
STA 2000+05.00
N: 1185760.25
E: 994133.51
EL: 694.05

PROPOSED PRIVATE WATER
SERVICE LINE 6" SDR-26,
CL. 160 APPROX. 400 L.F.

MATCHLINE STA. 1011+00.00

MATCHLINE STA. 1015+00.00



MODEL: WATERMAIN1 - Plan 4 (Sheet)
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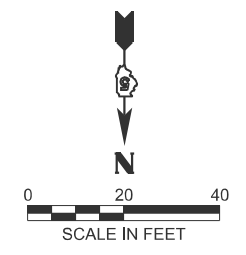
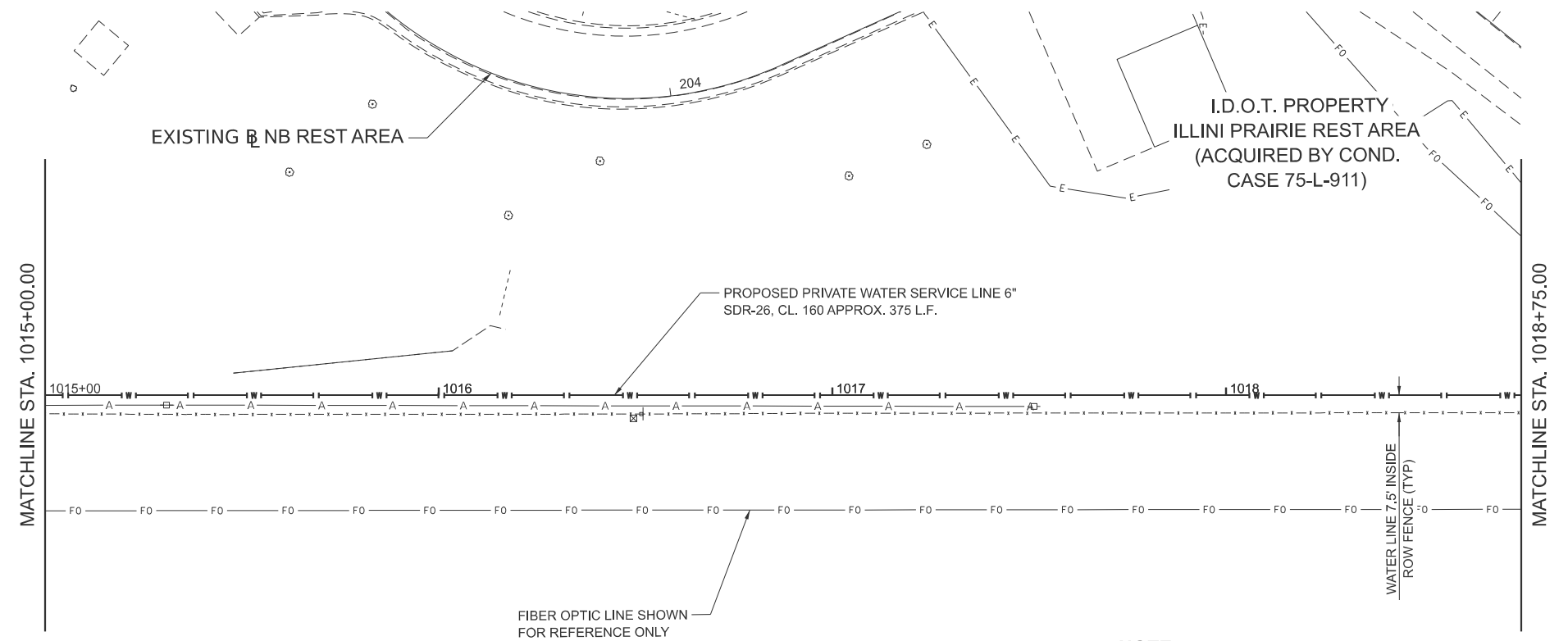


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PLOT SCALE = \$SCALE\$	DRAWN - M. GLIME	REVISED -
PLOT DATE = 5/30/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

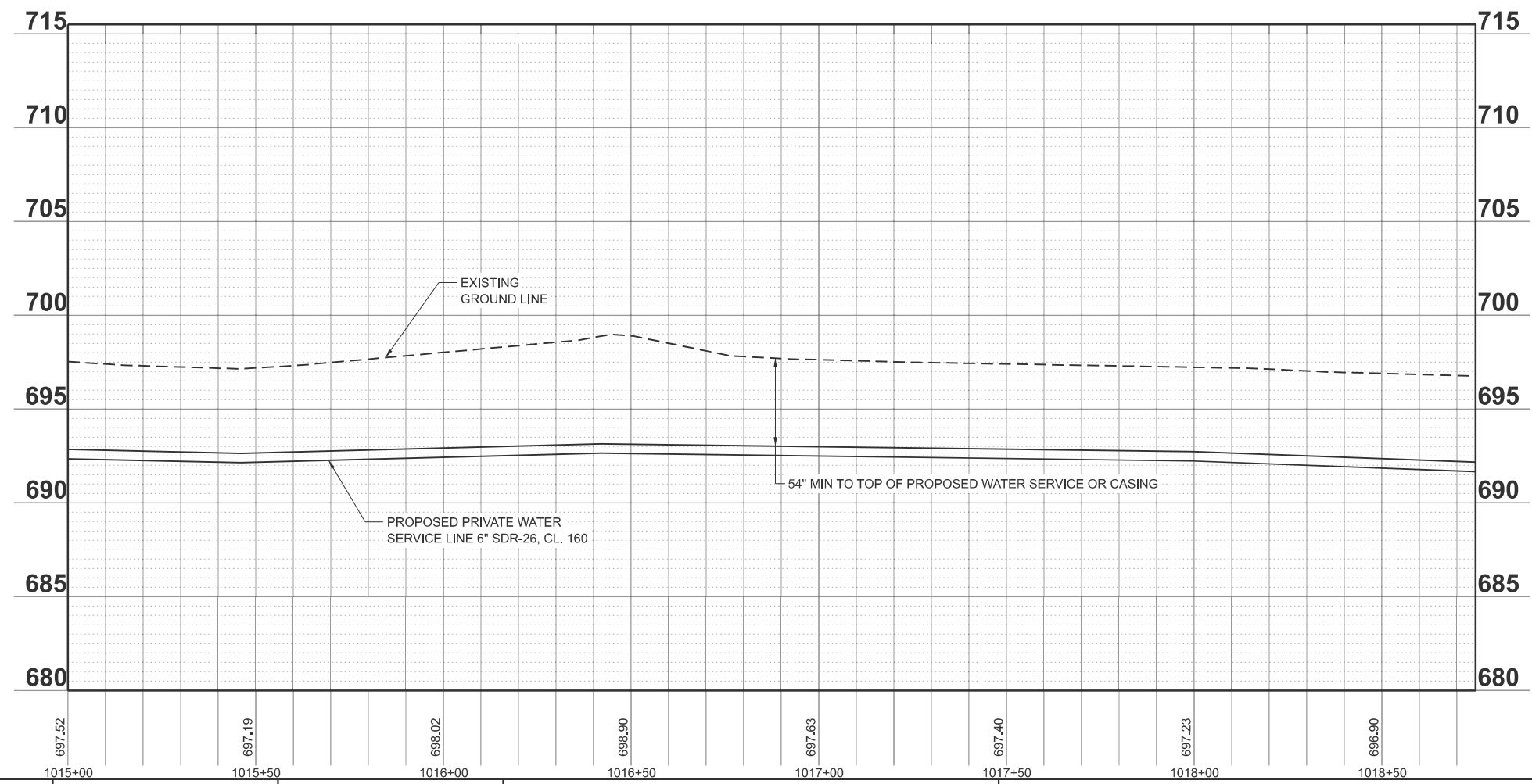
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS
SCALE: 1"=20' SHEET 4 OF 13 SHEETS STA. 1011+00.00 TO STA. 1015+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	54
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



NOTE:
 THE CONTRACTOR SHALL VERIFY
 ALL CONNECTION AND CROSSING
 LOCATIONS AND ELEVATIONS.



MODEL: WATERMAIN1 - Plan 5 (Sheet)
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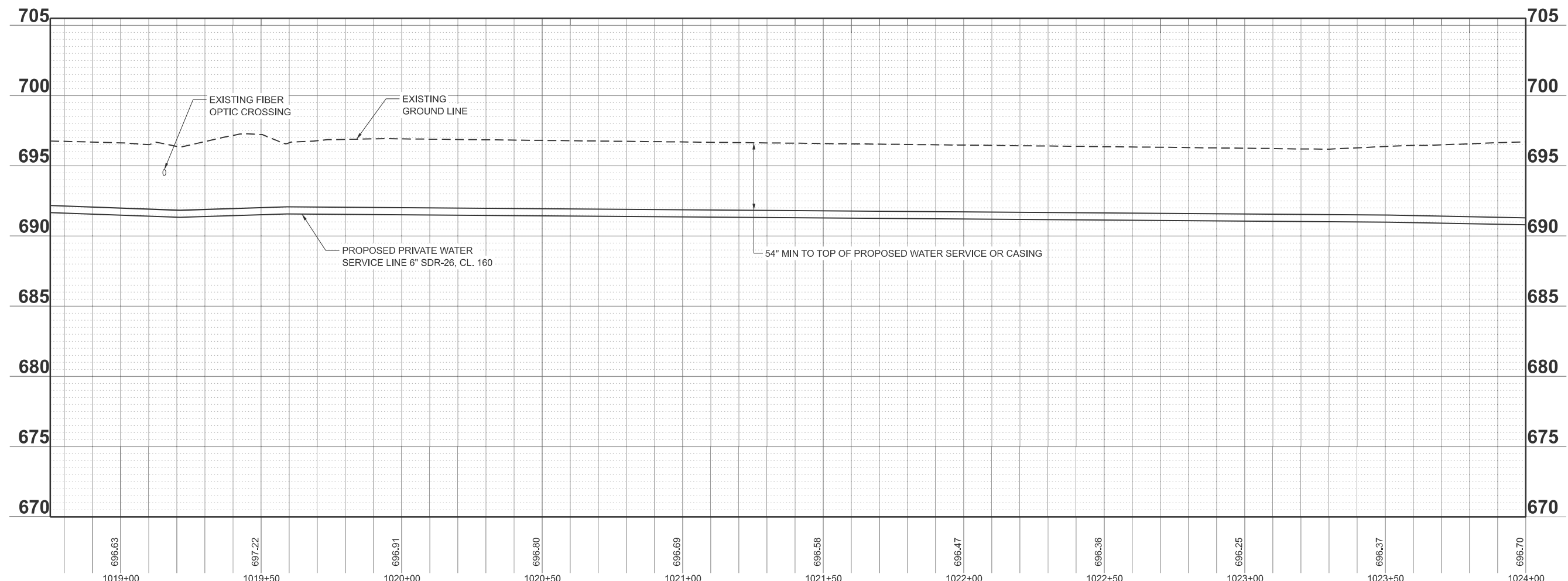
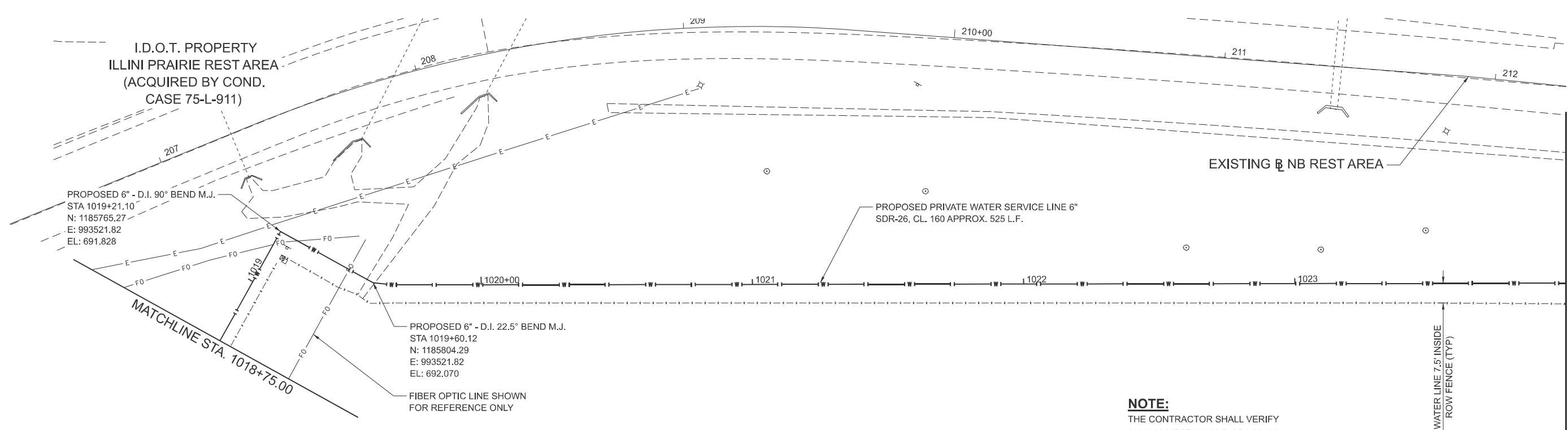
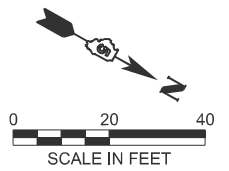
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	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 5/30/2026	DATE - MARCH 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 5 OF 13 SHEETS STA. 1015+00.00 TO STA. 1018+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	55
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: WATERMAIN1 - Plan 6 (Sheet)
 FILE NAME: S:\2023\2023\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-PlnPrf-Water.dgn



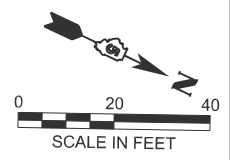
USER NAME	* RGoertz	DESIGNED	- C. JONES	REVISED	-
		DRAWN	- M. GLIME	REVISED	-
PLOT SCALE	* \$\$CALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	* 5/31/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

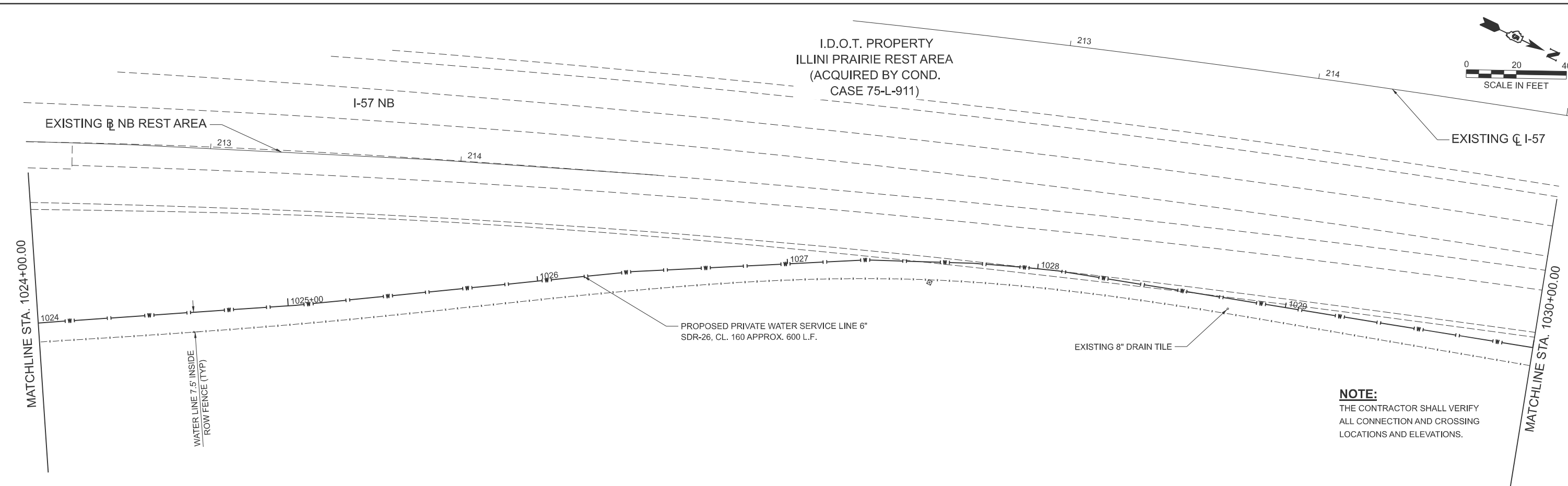
PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 6 OF 13 SHEETS STA. 1018+75.00 TO STA. 1024+00.00

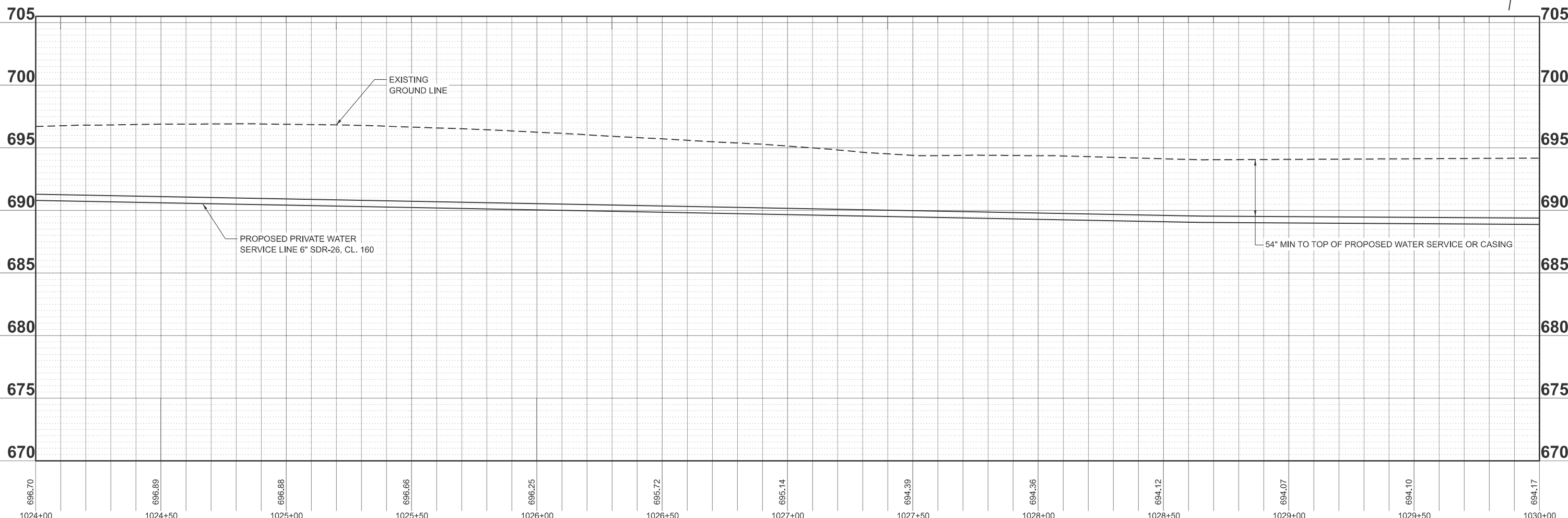
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	56
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



I.D.O.T. PROPERTY
ILLINI PRAIRIE REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)



NOTE:
THE CONTRACTOR SHALL VERIFY
ALL CONNECTION AND CROSSING
LOCATIONS AND ELEVATIONS.



MODEL: WATERMAIN1 - Plan 7 (Sheet)
FILE NAME: S:\2023\231008 PTB_206-34-D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-PhP4-Water.dgn

696.70	696.89	696.88	696.66	696.25	695.72	695.14	694.39	694.36	694.12	694.07	694.10	694.17
1024+00	1024+50	1025+00	1025+50	1026+00	1026+50	1027+00	1027+50	1028+00	1028+50	1029+00	1029+50	1030+00



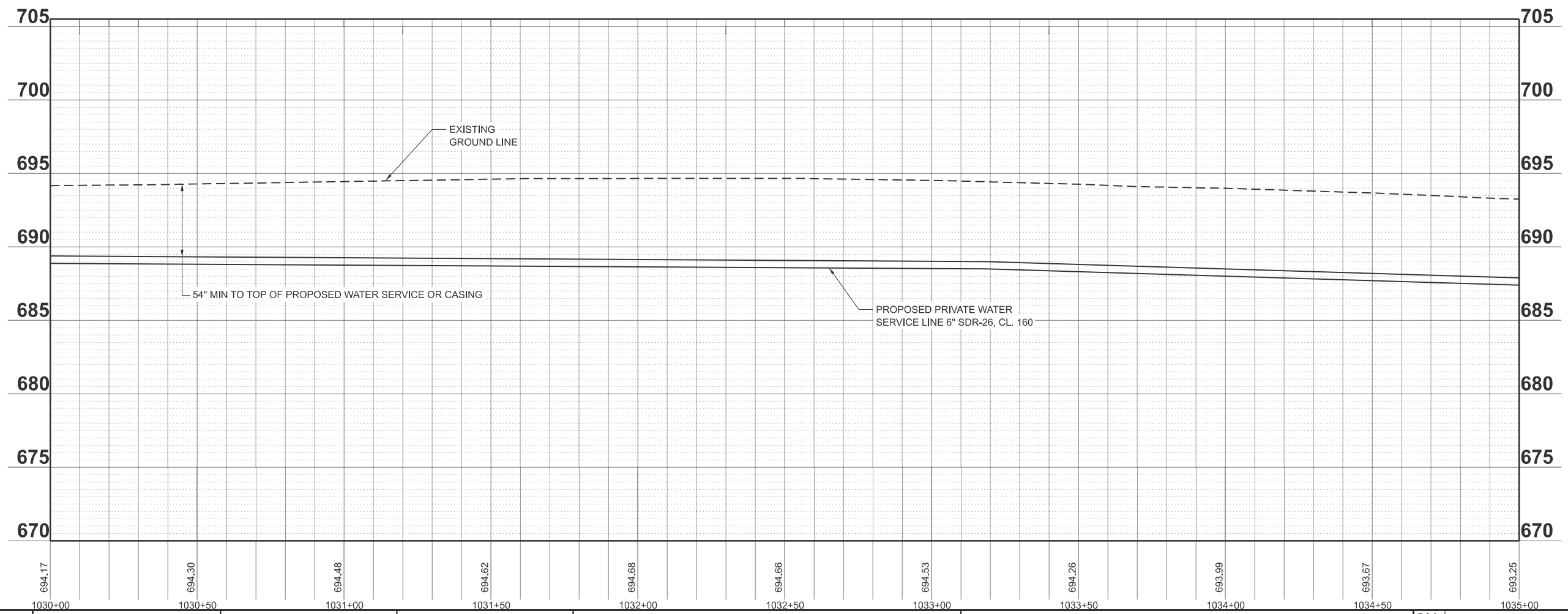
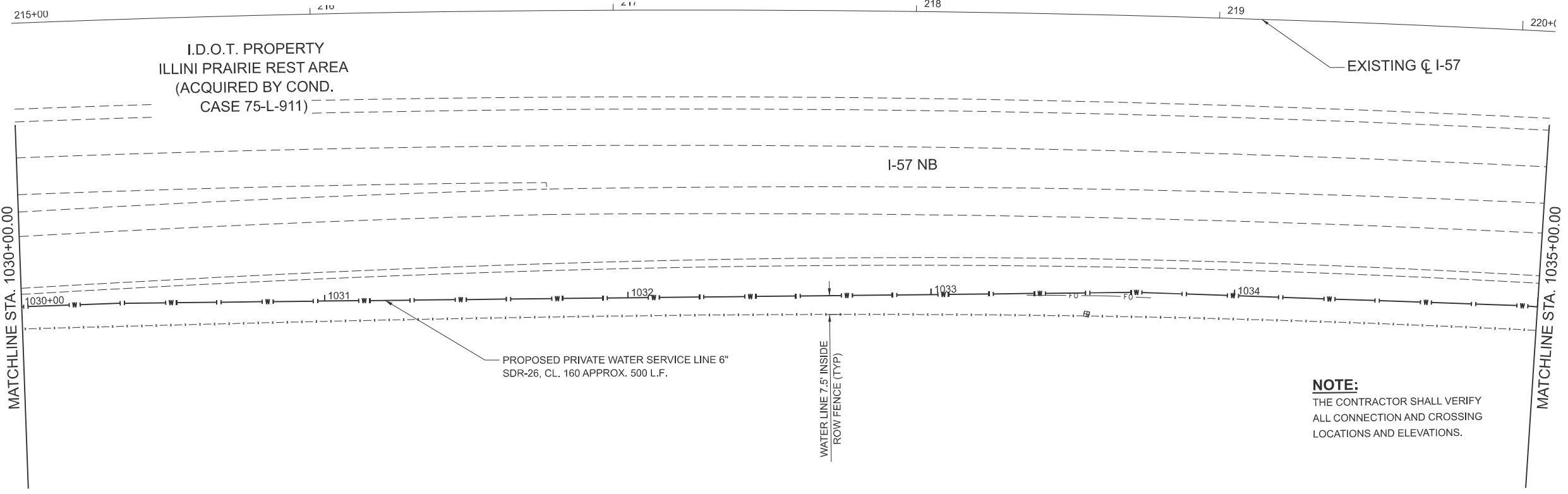
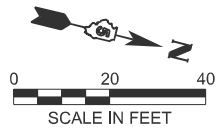
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DRAWN	- M. GLIME	REVISED	-		
PLOT SCALE	* \$\$SCALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	* 5/31/2026	DATE	- MARCH 2026	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=20' SHEET 7 OF 13 SHEETS STA. 1024+00.00 TO STA. 1030+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	57
CONTRACT NO. 70G29			ILLINOIS FED. AID PROJECT	



MODEL: WATERMAIN1 - Plan 6 (Sheet)
 FILE NAME: S:\2023\2308\008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-Plan-6-Water.dgn



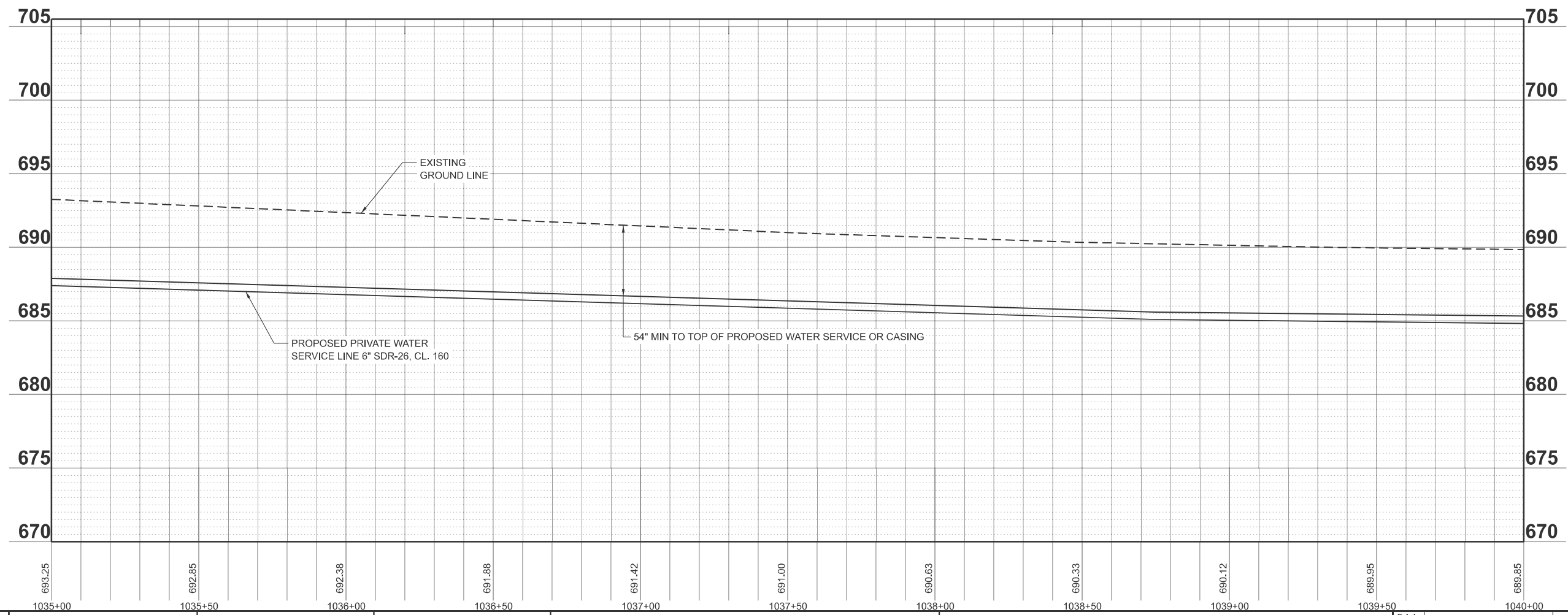
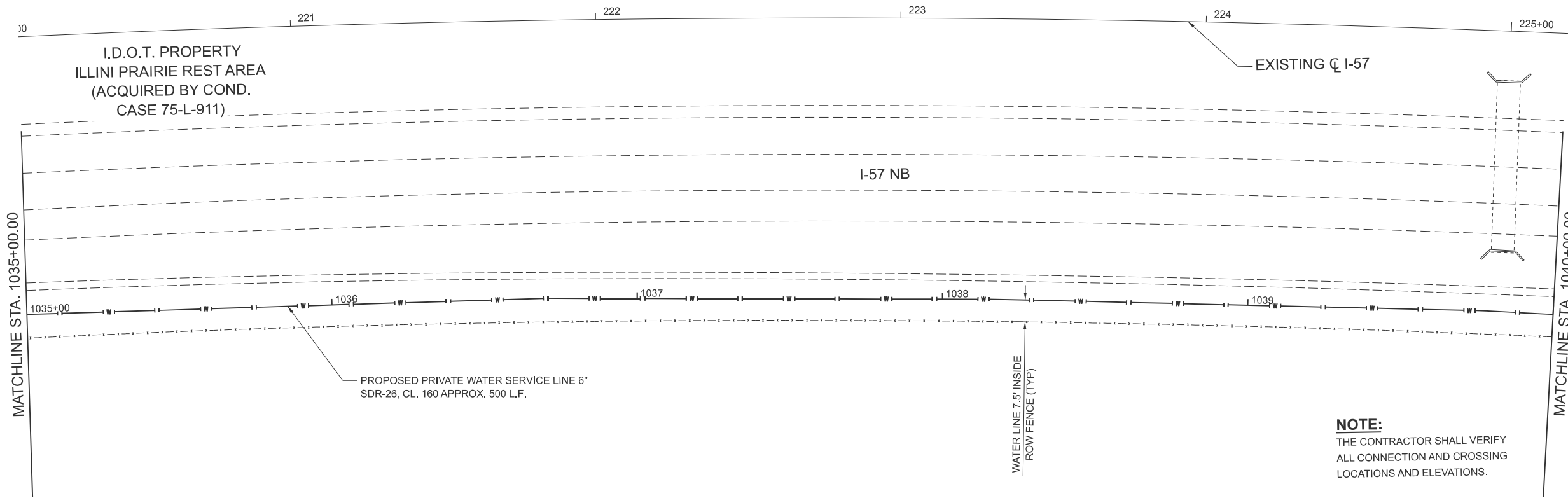
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		DRAWN	- M. GLIME	REVISED	-
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PLOT DATE	= 5/31/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 8 OF 13 SHEETS STA. 1030+00.00 TO STA. 1035+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	58
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: WATERMAIN1 - Plan 9 (Sheet)
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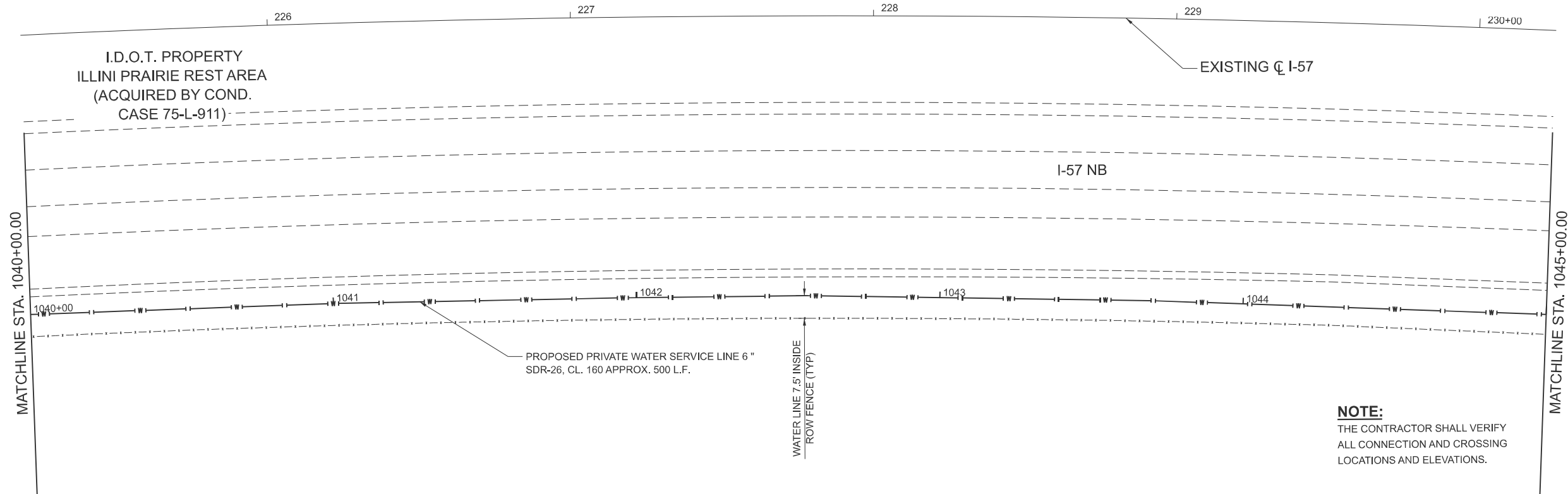
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PLOT DATE	= 5/31/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 9 OF 13 SHEETS STA. 1035+00.00 TO STA. 1040+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	59
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



I.D.O.T. PROPERTY
ILLINI PRAIRIE REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)

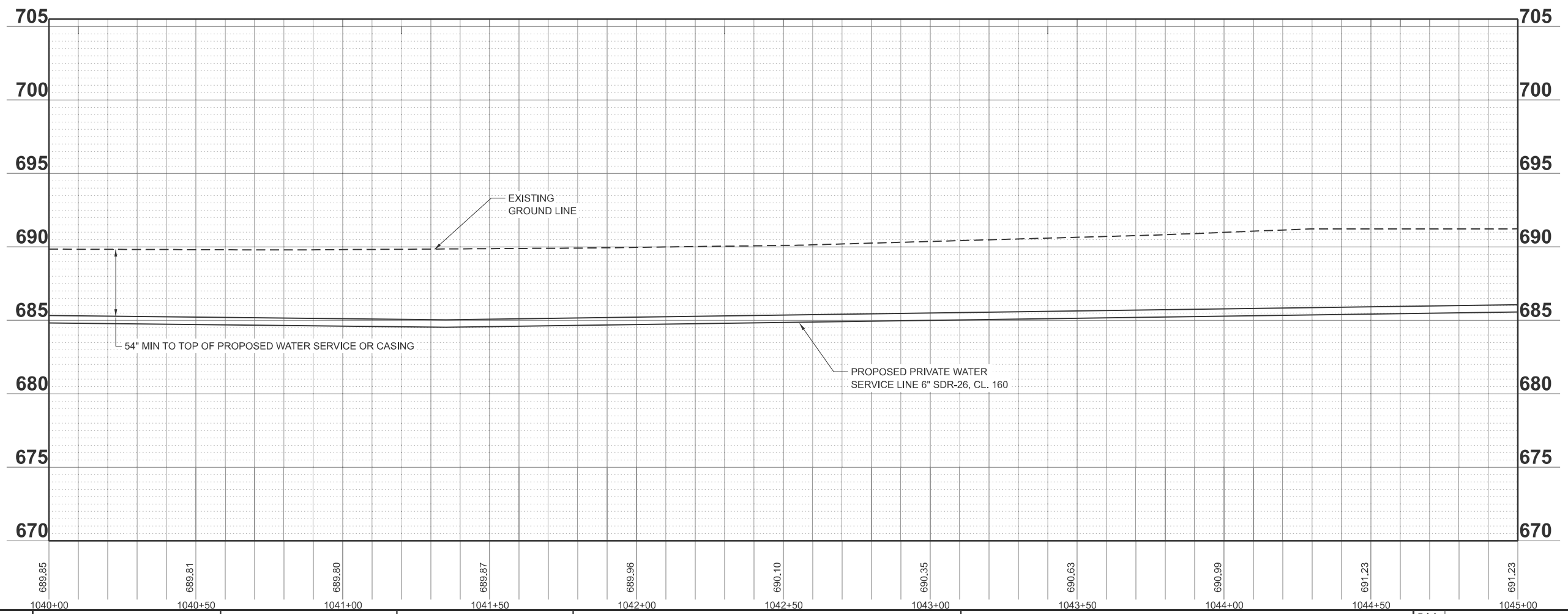
EXISTING CL I-57

I-57 NB

PROPOSED PRIVATE WATER SERVICE LINE 6" SDR-26, CL. 160 APPROX. 500 L.F.

WATER LINE 7.5' INSIDE ROW FENCE (TYP)

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONNECTION AND CROSSING LOCATIONS AND ELEVATIONS.



MODEL: WATERMAIN1 - Plan 10 (Sheet)
FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\057029-shh-Plan10-Water.dgn



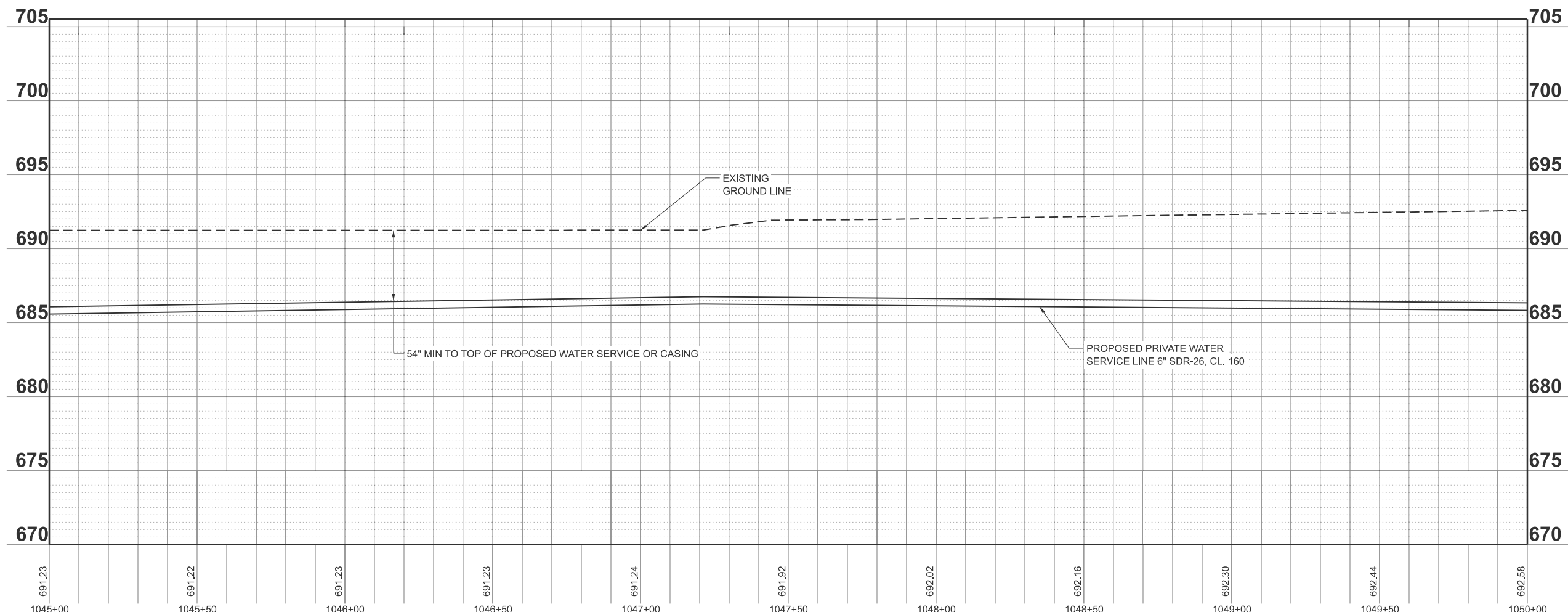
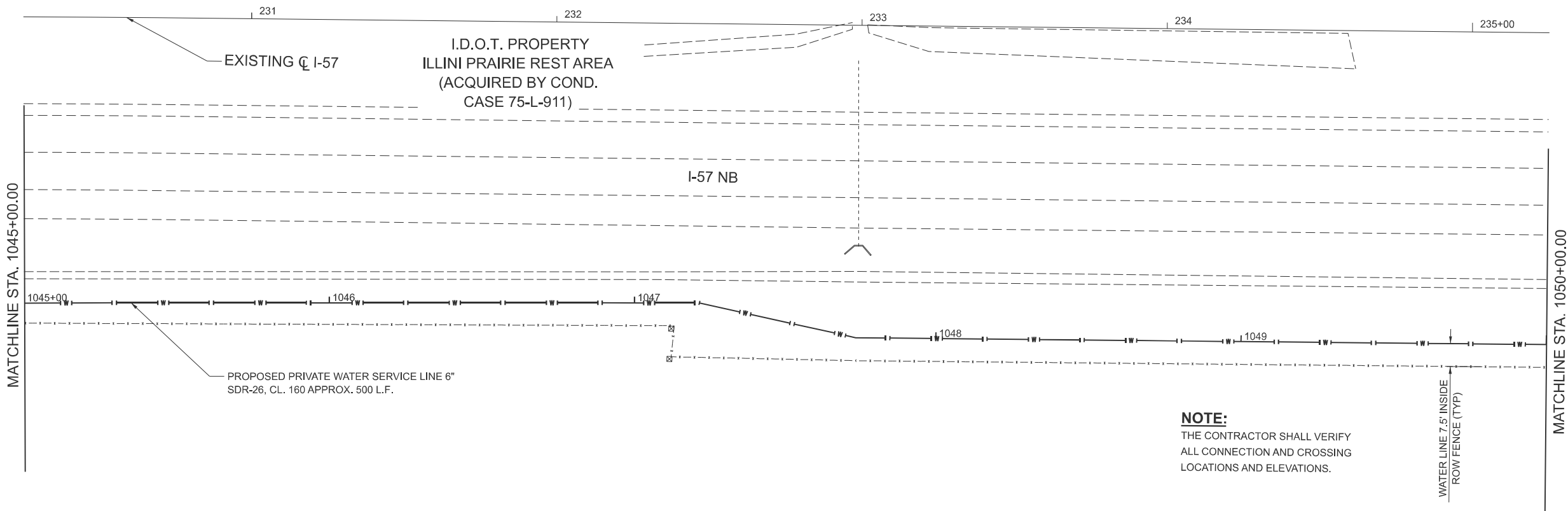
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	DRAWN - M. GLIME	REVISED -
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PLOT DATE = 5/31/2026	DATE - MARCH 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: 1"=20' SHEET 10 OF 13 SHEETS STA. 1040+00.00 TO STA. 1045+00.00

F.A.I. RTE. 57	SECTION RA 2023-1	COUNTY CHAMPAIGN	TOTAL SHEETS 71	SHEET NO. 60
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



MODEL: WATERMAIN1 - Plan 11 (Sheet)
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PLOT DATE = 5/31/2026	CHECKED - J. HEADEN	REVISED -
	DATE - MARCH 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

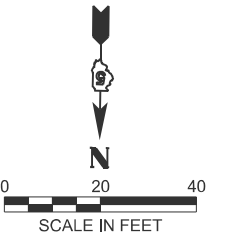
PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 11 OF 13 SHEETS STA. 1045+00.00 TO STA. 1050+00.00

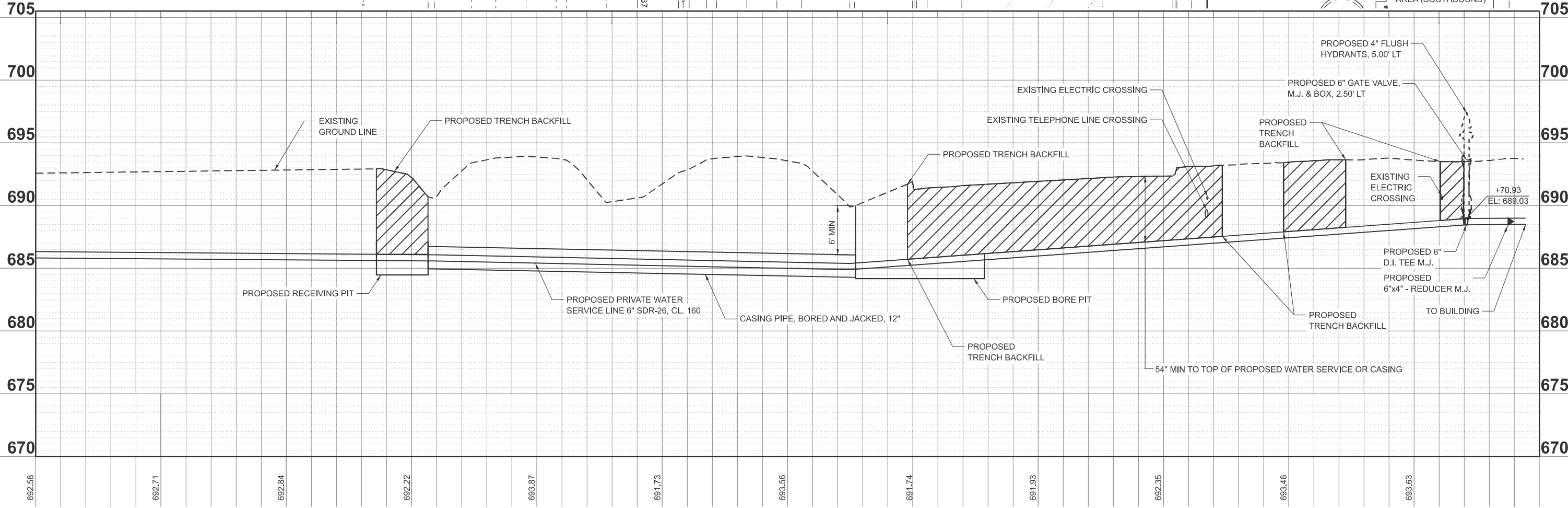
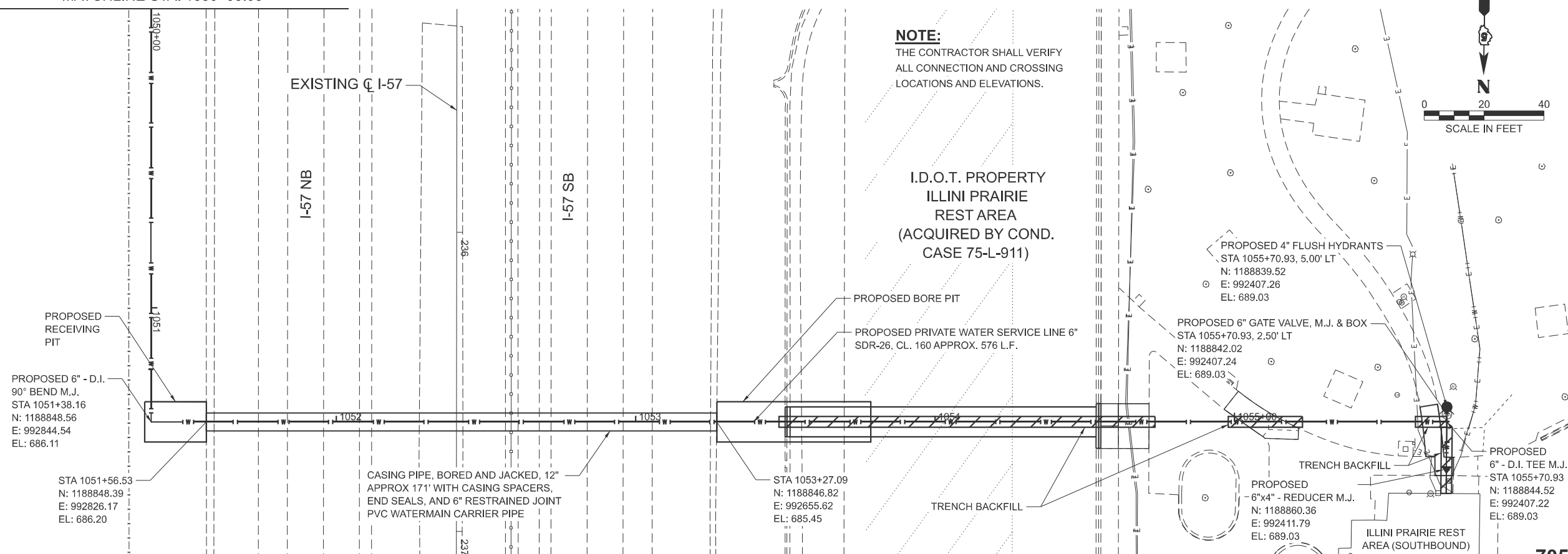
F.A.I. RTE. 57	SECTION RA 2023-1	COUNTY CHAMPAIGN	TOTAL SHEETS 71	SHEET NO. 61
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 1050+00.00

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONNECTION AND CROSSING LOCATIONS AND ELEVATIONS.



I.D.O.T. PROPERTY
ILLINI PRAIRIE
REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)



MODEL: WATERMAIN1 - Plan 12 (Sheet)
FILE NAME: S:\2023\231008 PTB_206-34-D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-P1P4-Water.dgn

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1050+00	1050+50	1051+00	1051+50	1052+00	1052+50	1053+00	1053+50	1054+00	1054+50	1055+00	1055+50	



USER NAME	= RGoertz	DESIGNED	- C. JONES	REVISED	-
DRAWN	- M. GLIME	REVISED	-		
PLOT SCALE	= \$SCALE\$	CHECKED	- J. HEADEN	REVISED	-
PLOT DATE	= 5/31/2026	DATE	- MARCH 2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

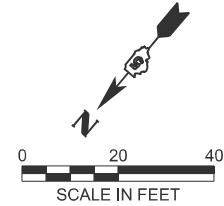
PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 12 OF 13 SHEETS STA. 1050+00.00 TO STA. 1055+70.93

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	62
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

NOTE:
THE CONTRACTOR SHALL VERIFY
ALL CONNECTION AND CROSSING
LOCATIONS AND ELEVATIONS.

I.D.O.T. PROPERTY
ILLINI PRAIRIE REST AREA
(ACQUIRED BY COND.
CASE 75-L-911)



MATCHLINE STA. 2000+70.00

PROPOSED PRIVATE WATER SERVICE LINE 6"
SDR-26, CL. 160 APPROX. 321 L.F.

EXISTING NB
REST AREA

ILLINI PRAIRIE REST
AREA (NORTHBOUND)

EXISTING 12"
STORM SEWER

PROPOSED
6"x4" - REDUCER M.J.
N: 1185465.11
E: 993888.16
EL: 698.27

TRENCH
BACKFILL

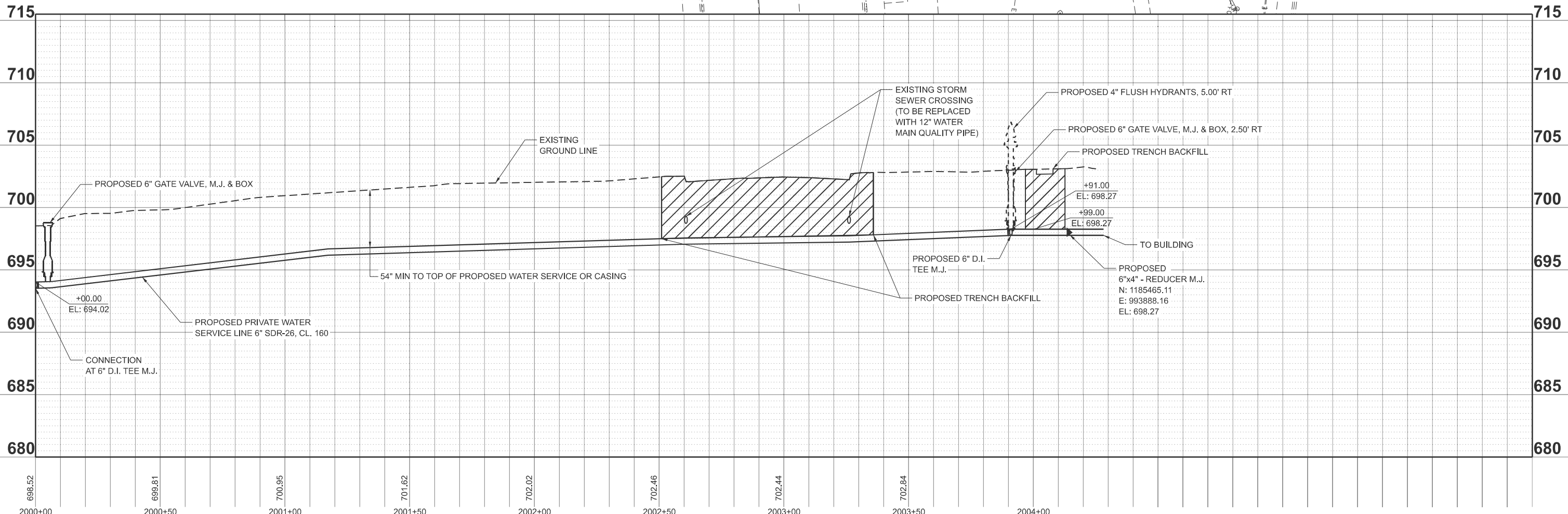
PROPOSED 6" - D.I. 90° BEND M.J.
STA 2003+99.00
N: 1185488.12
E: 993870.84
EL: 698.27

PROPOSED 6" D.I. TEE M.J.
STA 2003+91.00
N: 1185493.27
E: 993876.96
EL: 698.27

PROPOSED 6" GATE VALVE, M.J. & BOX
STA 2003+90.98, 2.50' RT
N: 1185495.20
E: 993875.37
EL: 698.27

PROPOSED 4" FLUSH HYDRANTS
STA 2003+90.98, 5.00' RT
N: 1185497.11
E: 993873.76
EL: 698.27

PROPOSED 12"
WATER MAIN QUALITY PIPE



MODEL: ANCL - Plan 13 (Sheet)
FILE NAME: S:\2023\231008 PTB_206-34 D5 - Benton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-PhP4-Water.dgn



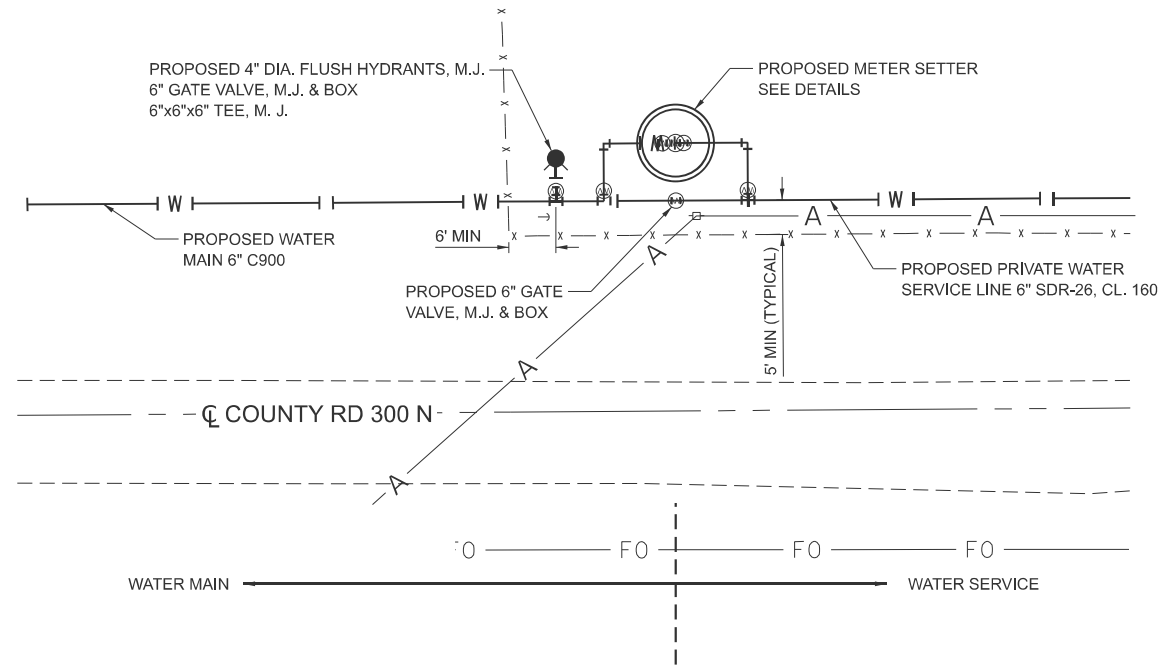
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

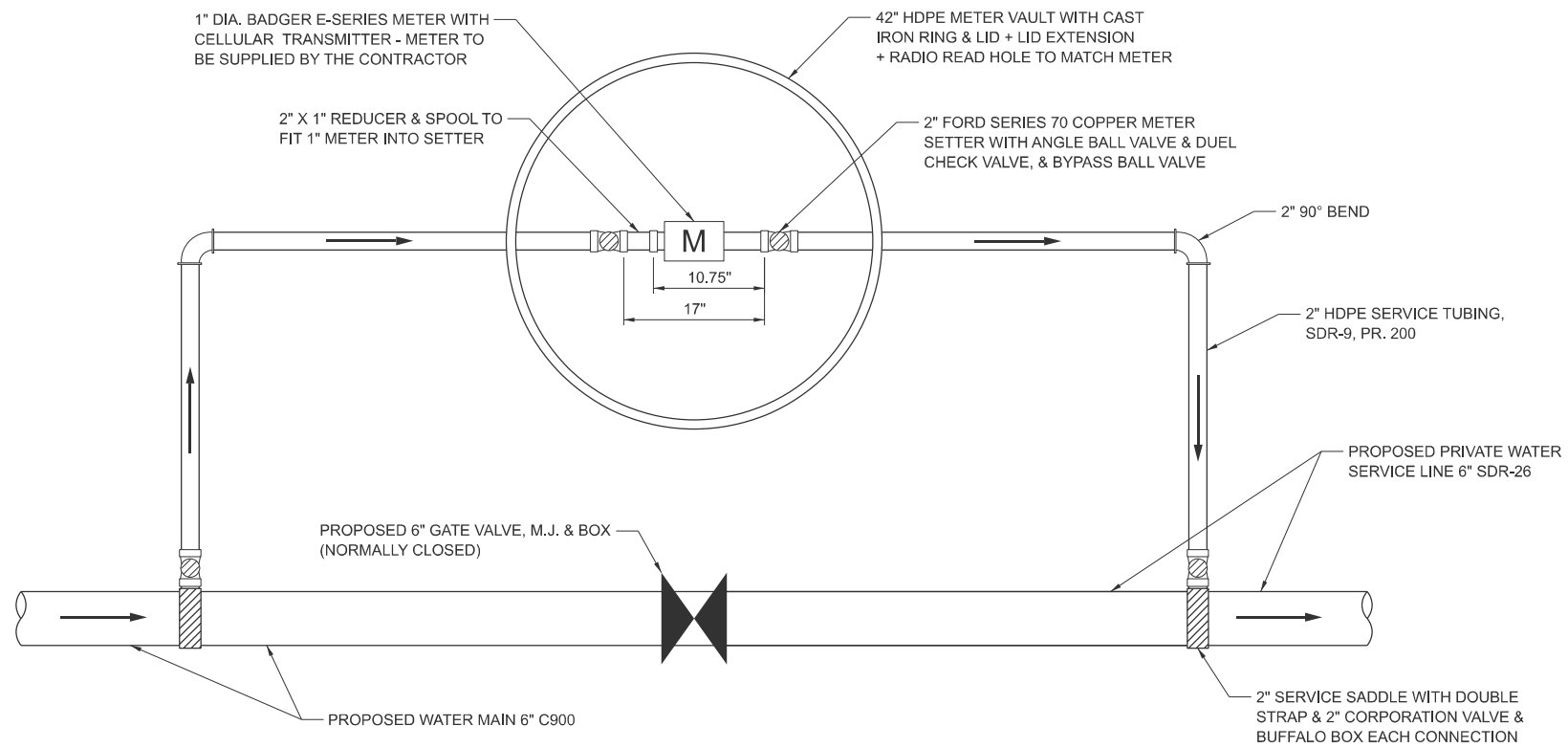
PROPOSED WATER MAIN PLAN AND PROFILES
I-57 ILLINI PRAIRIE REST AREAS

SCALE: 1"=20' SHEET 13 OF 13 SHEETS STA. 2000+70.00 TO STA. 2004+26.37

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70G29	



PLAN VIEW



PROPOSED WATER SERVICE METER AND VAULT

N.T.S.

MODEL: Details-13 (Sheet)
 FILE NAME: S:\2023\231008 PTB 206-34 D5 - Benion - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\I570G29-shh-Details.dgn



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	DRAWN - M. GLIME	REVISED -
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PLOT DATE = 5/21/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

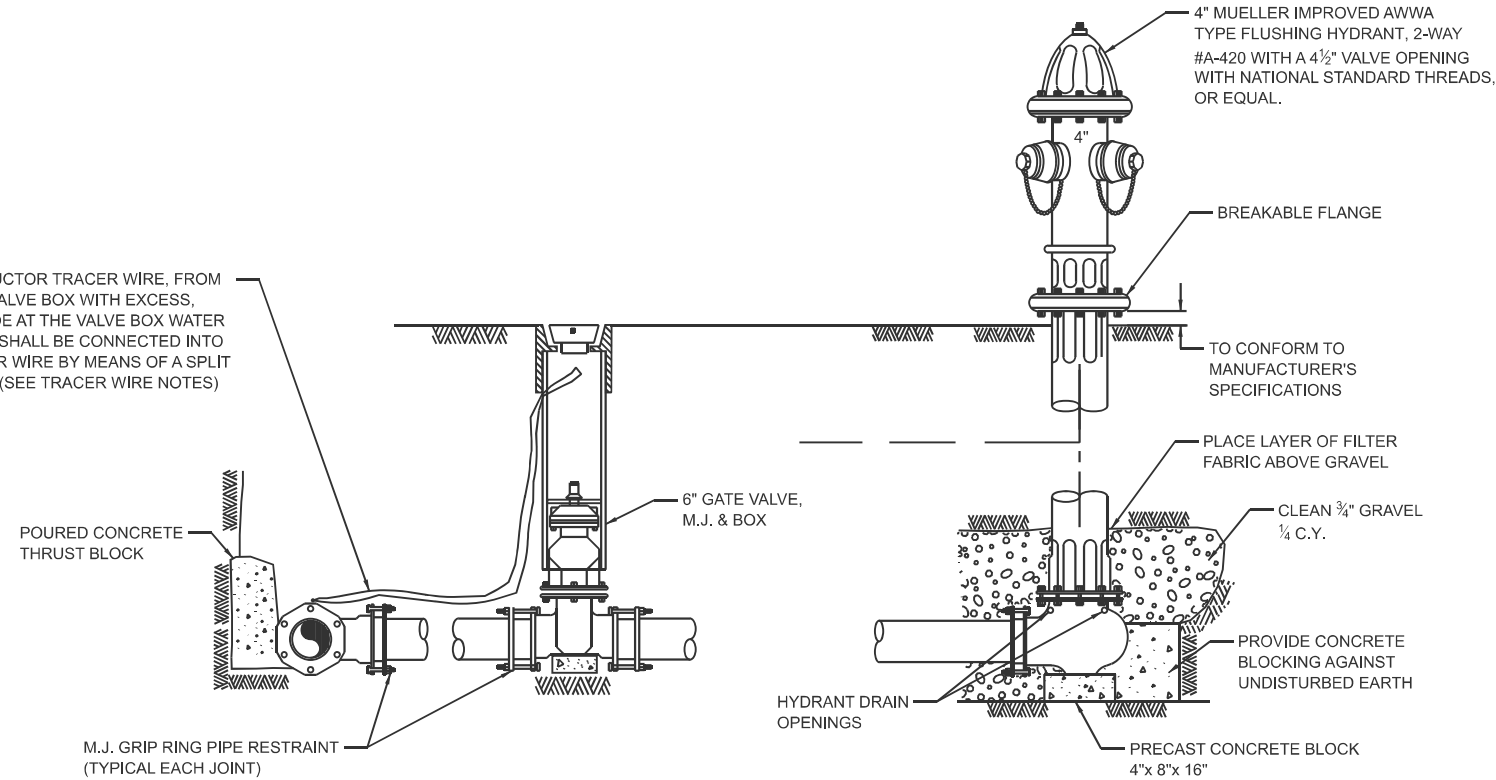
**WATER SERVICE METER DETAIL
I-57 ILLINI PRAIRIE REST AREAS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	64
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

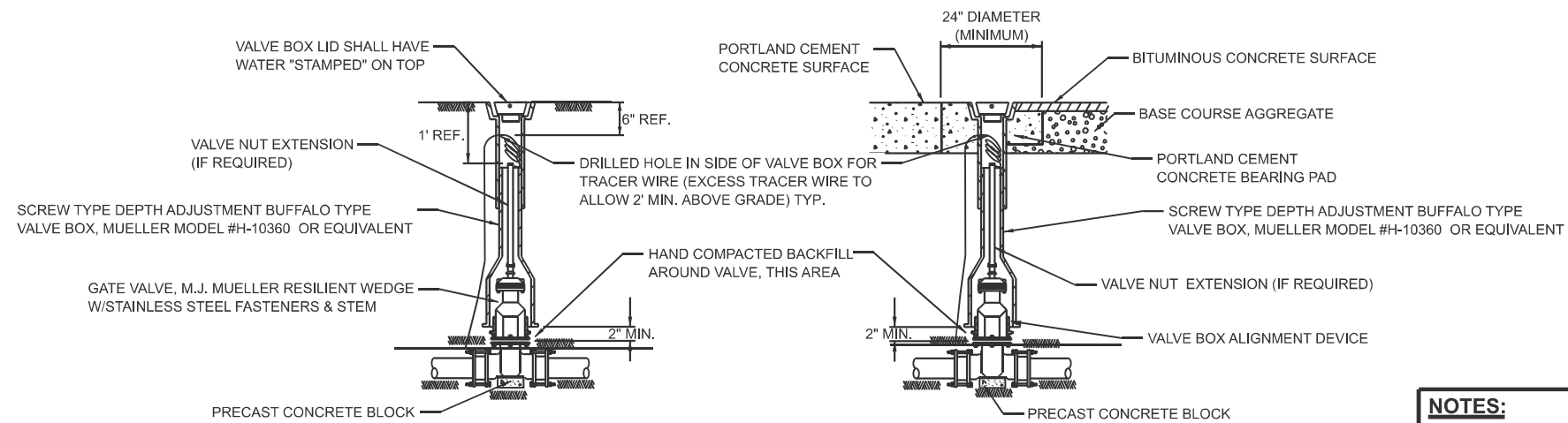
PRELIMINARY

A #12 AWG, SOLID CONDUCTOR TRACER WIRE, FROM MAIN TRACER WIRE TO VALVE BOX WITH EXCESS, A MIN. OF 2' ABOVE GRADE AT THE VALVE BOX WATER HYDRANT TRACER WIRE SHALL BE CONNECTED INTO THE WATER MAIN TRACER WIRE BY MEANS OF A SPLIT BOLT WIRE CONNECTOR (SEE TRACER WIRE NOTES)



FLUSH HYDRANT INSTALLATION

NOT TO SCALE



VALVE BOX INSTALLATION

VALVE BOX INSTALLATION PERMANENT ROADWAYS

NOTES:
ALL 'IN LINE' VALVES SHALL RECIEVE RETAINER GLANDS IN LIEU OF STANDARD GLANDS AT NO EXTRA COSTS.

MODEL: Detail-7 (Sheet)
FILE NAME: P:\2023\RA 2023-1\CADD Sheets\0570G29-065-Hydrant Details.dgn

BENTON
ENGINEERING

1975 Lafayette Avenue
Jacksonville, IL 62150
(317) 285-4146
bentoneng.com

USER NAME = rshaw	DESIGNED - C. JONES	REVISED -
	DRAWN - M. GLIME	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 3/17/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	65
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

RESTRAINED JOINT TABLE

Design Data:

Pipe Material PVC
 Soil Type CL
 Trench Type 3
 Safety Factor 1.5
 Test Pressure 100 psi
 Depth of Cover 4.0'
 Fittings Ductile Iron - Restrained Mechanical Joint - Romac Gripping or Equivalent
 Rest. Pipe Certa-lok Yelomine Splined Restrained Joint or Equivalent

PIPE DIA. (in.)	MATERIAL	PRESS. (psi)	TYPE OF FITTING						Minimum Restrained Joint Length Required in feet
			90 (deg.)	45 (deg.)	22.5 (deg.)	DEAD END	TEE	REDUCER	
6	PVC	100	14'	6'	3'	26'	7'	15'	

NOTE: THE TYPE OF RESTRAINED JOINT SHALL BE DESCRIBED IN THE SPECIFICATIONS IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD DESIGN THE MINIMUM LENGTH REQUIRED ON EACH SIDE OF A VALVE OR FITTING SHALL BE SHOWN IN THE ABOVE TABLE AND BASED ON THE FOLLOWING DESIGN CRITERIA AS PER EBAA IRON JOINT RESTRAINT CALCULATOR.

BACKFILL WEIGHT 90 LB/Cu Ft.
 DEPTH OF COVER 4 FT
 FACTOR OF SAFETY 1.5

ALL PIPE SHALL BE RESTRAINED IN ACCORDANCE WITH THE ABOVE TABLE UNLESS OTHERWISE SPECIFIED IN THE PLANS. LENGTHS OF RESTRAINED JOINT PIPE MAY BE INCREASED DUE TO FIELD CONDITIONS NOT MEETING THE ABOVE DESIGN CRITERIA.

THE MINIMUM AMOUNT OF RESTRAINED JOINT PIPE REQUIRED IN THE ABOVE TABLE IS THE MINIMUM AMOUNT OF PIPE REQUIRED WITHOUT JOINTS, OR EQUIPPED WITH A RESTRAINED JOINT, EACH WAY FROM THE LISTED FITTING.

RESTRAINED JOINT LENGTHS LISTED FOR TEES IS THE LENGTH REQUIRED ON THE BRANCH OF THE TEE. THE LENGTH OF THE RUN OF THE TEE VARIES DUE TO LOCATION. THE RESTRAINT LENGTH SHOWN IS BASED UPON THE BEST ESTIMATE AT THE INSTALLED LOCATION.

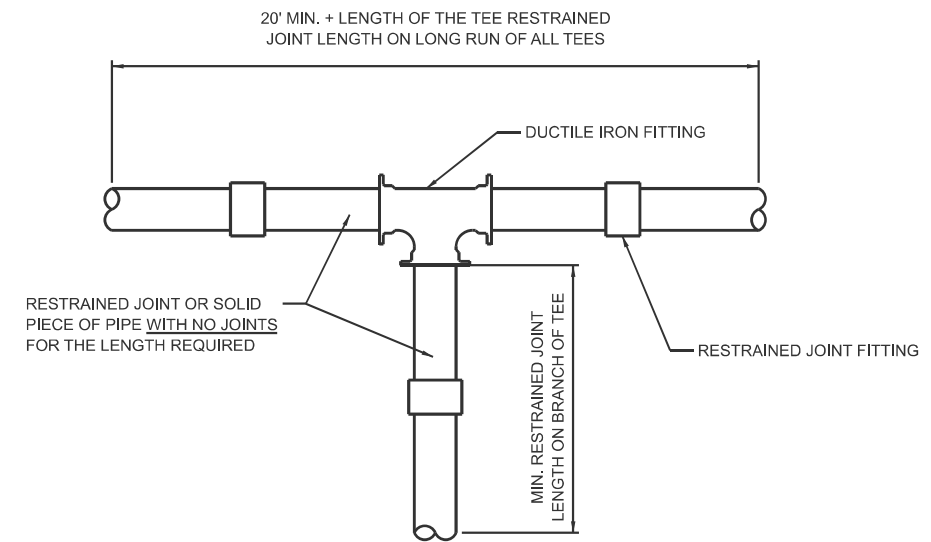
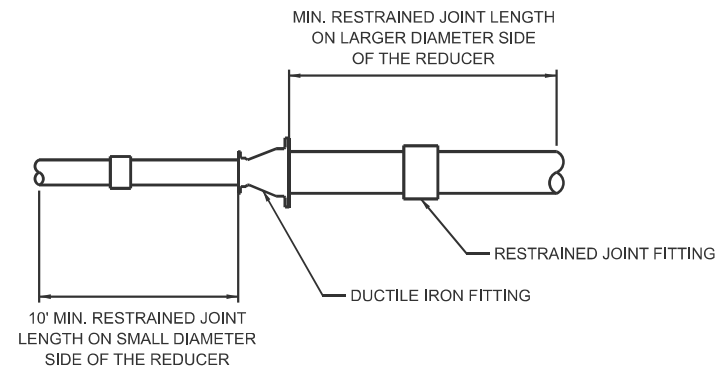
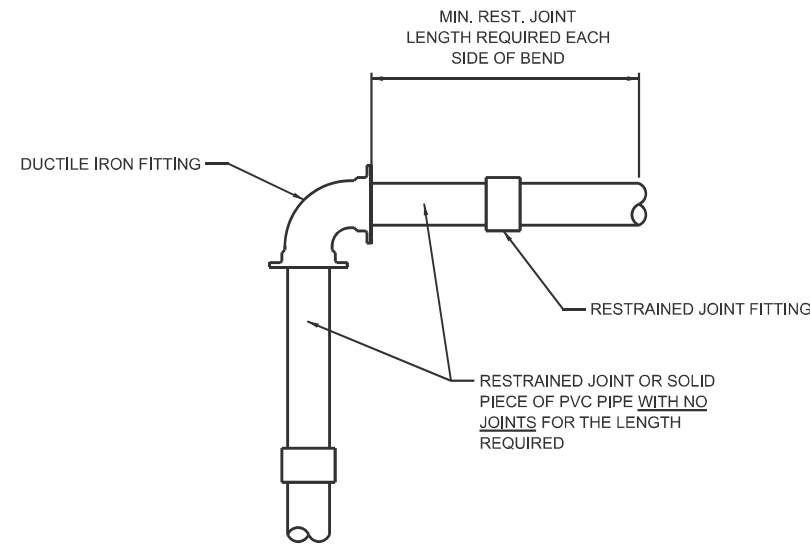
NOTE:

CONTRACTOR MAY SUBSTITUTE A SOLID PIECE OF PIPE HAVING NO JOINTS FOR THE RESTRAINED JOINT LENGTH REQUIRED IN LIEU OF RESTRAINED JOINT PIPE AND JOINTS

DUCTILE IRON FITTINGS SHALL BE BLOCKED AGAINST UNDISTURBED SOIL BY MEANS OF POURED CONCRETE BLOCKING IN ADDITION TO THE JOINT RESTRAINT SYSTEM

RESTRAINED JOINT GASKETS MAY BE USED WITH DUCTILE IRON PIPE FOR RESTRAINED JOINT REQUIREMENT

ALL FITTINGS SHALL BE EQUIPPED WITH STAINLESS STEEL (TYPE 304) NUT & BOLT FASTENERS. NUTS TO BE FLUOROCARBON COATED TO PREVENT GALLING



TYPICAL RESTRAINED JOINT FITTING DETAILS

NOT TO SCALE

MODEL: Details-4 (Sheet)
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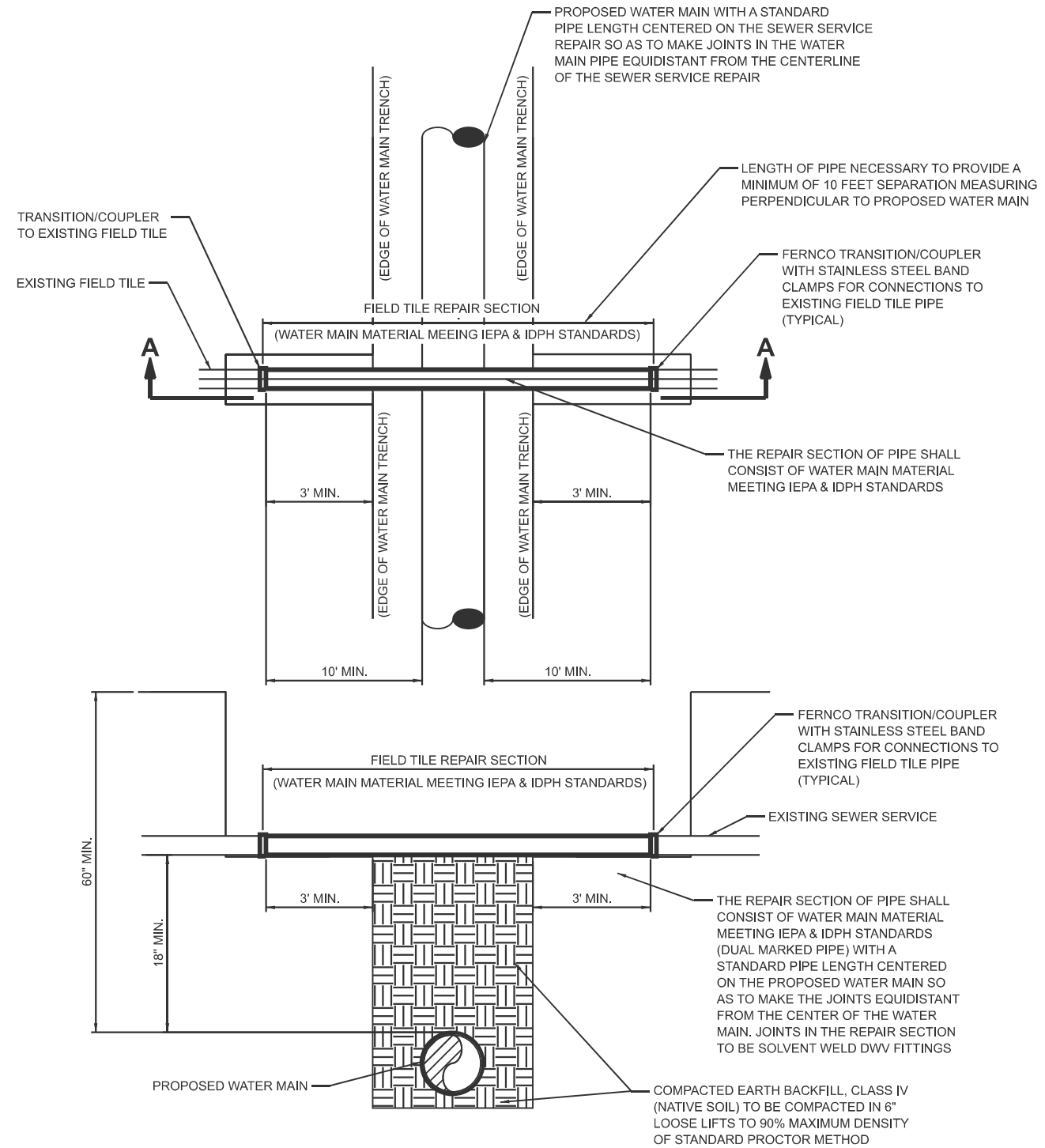
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	DRAWN - M. GLIME	REVISED -
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PLOT DATE = 3/11/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
 I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	66
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				



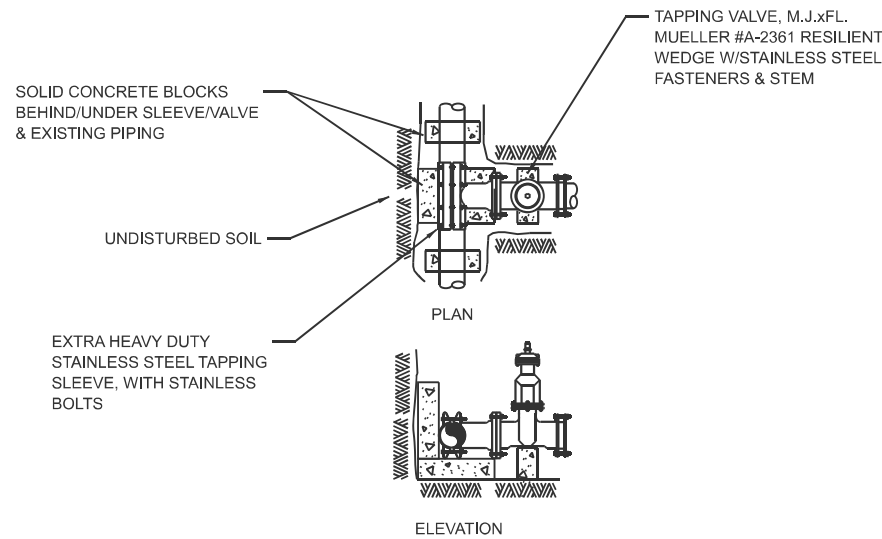
NOTE:
 SURFACE AND SUB-SURFACE DRAINAGE
 LOCATION WITHIN AGRICULTURAL AREAS

UNDERGROUND FIELD TILE REPAIR

SECTION A-A

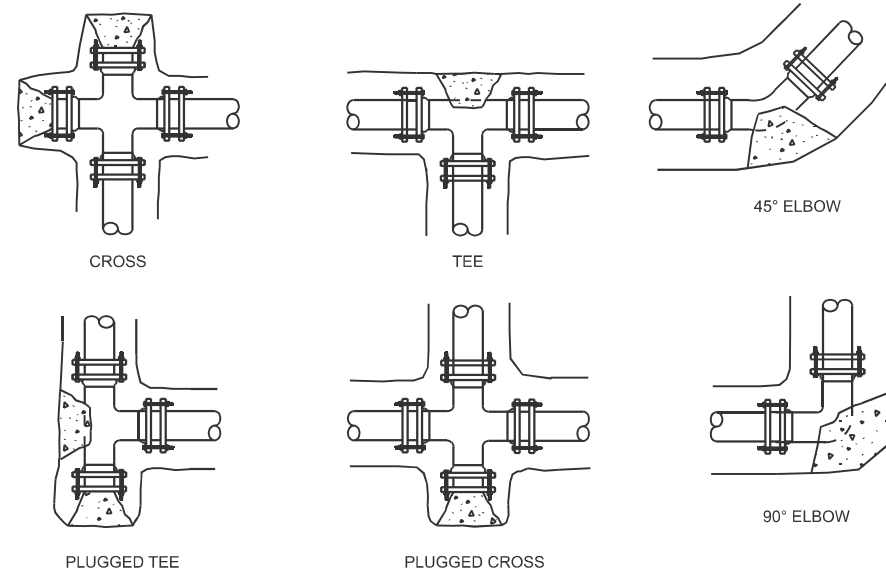
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	USER NAME = rshaw	DESIGNED - C. JONES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN DETAILS I-57 ILLINI PRAIRIE REST AREAS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1975 Lafayette Avenue Jacksonville, IL 62156 (317) 285-4146 bentoneng.com	DRAWN - M. GLIME	REVISED -			57	RA 2023-1	CHAMPAIGN	71	67
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	PLOT DATE = 3/11/2026	DATE - MARCH, 2026	REVISED -		SCALE:	SHEET 3	OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



TAPPING SLEEVE & VALVE BLOCKING

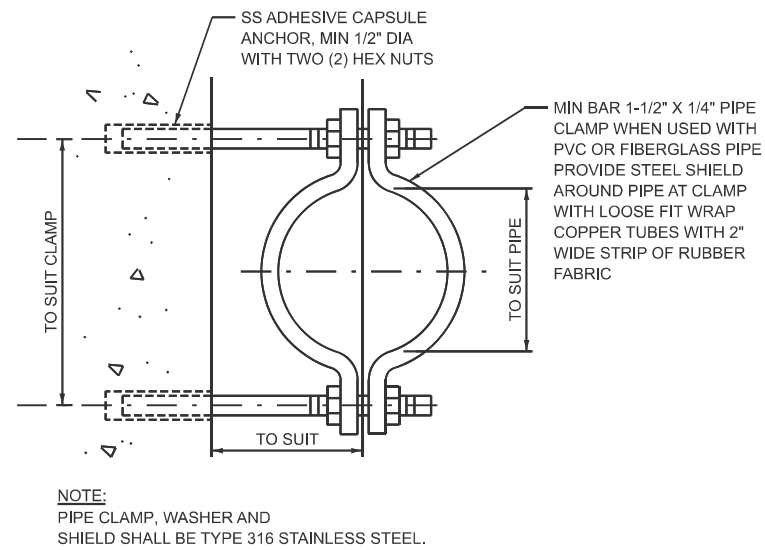
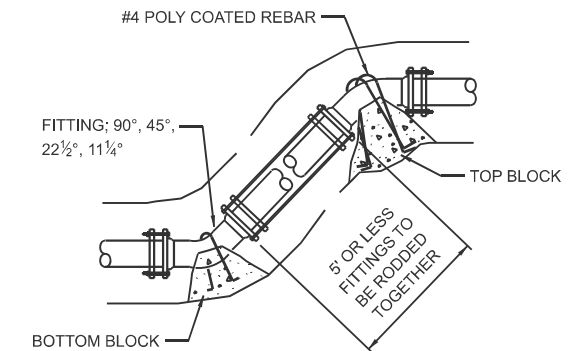
HORIZONTAL THRUST BLOCKING



NOTES:

1. ALL BLOCKS TO BE CLASS SI CONCRETE (3500 PSI / 14 DAYS)
2. MINIMUM BEARING AREA (SEE HORIZONTAL OR VERTICAL CHART)
3. ASSUMES 2000 PSI BEARING FOOTING
4. CONTRACTOR RESPONSIBLE FOR ACTUAL SOIL CONDITION AND THRUST BLOCK ADEQUACY
5. ALL VERTICAL FITTINGS SHALL BE RODDED TOGETHER IF LENGTH IS 5 L.F. OR LESS, MIN. 2 EA. #4 (1/2") STAINLESS STEEL THREADED RODS.
6. ALL BLOCKS (HORIZONTAL) SHALL BE A MINIMUM OF 12" THICK, PLACED BETWEEN SOLID GROUND AND THE FITTINGS, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIRS. PROVIDE 3 MIL POLYETHYLENE SHEETING TO BE SECURELY WRAPPED AROUND FITTING TO PREVENT CONTACT WITH THE CONCRETE.
7. RETAINER GLANDS SHALL BE USED IN LIEU OF STANDARD GLANDS ON ALL FITTINGS IN CONJUNCTION WITH THRUST BLOCKING. NO EXTRA COMPENSATION WILL BE ALLOWED.
8. TEST PRESSURE SHALL BE 150 PSI OR AS NOTED ON NOTE PLAN SHEET.

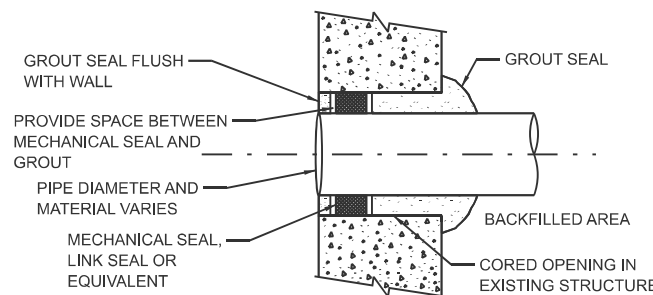
VERTICAL THRUST BLOCKING



NOTE:
PIPE CLAMP, WASHER AND SHIELD SHALL BE TYPE 316 STAINLESS STEEL.

PIPE CLAMP DETAIL
NTS

BEARING AREA OF HORIZONTAL THRUST BLOCK				
WATER MAIN SIZE	BLOCK SIZE IN SQ. FT.		BLOCK SIZE IN CU. YD.	
	TEE, 45°, 22½°, 11¼°, PLUG	90°	TEE, 45°, 22½°, 11¼°, PLUG	90°
4"	1.7	2.3	0.10	0.10
6"	3.4	4.8	0.13	0.18
8"	5.8	8.2	0.22	0.30
10"	8.7	12.4	0.32	0.46
12"	12.4	17.5	0.46	0.65
14"	16.6	23.4	0.62	0.80
16"	21.1	30.3	0.79	1.12
18"	26.9	38.0	1.0	1.41
20"	33	46.7	1.2	1.73
24"	47.1	66.5	1.8	2.50



MECHANICAL SEAL ON EXISTING STRUCTURES FOR CORED HOLES IN CONCRETE WALLS DETAIL
NTS

AVERAGE CONCRETE BEARING AREA OF VERTICAL TIE DOWNS		
TYPICAL OF ALL BENDS		
WATER MAIN SIZE	TOP BLOCK SIZE IN CU. YDS.	BOTTOM BLOCK SIZE IN CU. YDS.
4"	3.10'x3.10'x3.10'=1.10	1.30'x1.30'x1'=0.06
6"	3.55'x3.55'x3.55'=1.66	1.60'x1.60'x1'=0.09
8"	3.90'x3.90'x3.90'=2.20	1.85'x1.85'x1'=0.13
10"	4.25'x4.25'x4.25'=2.84	2.00'x2.00'x1'=0.15
12"	4.50'x4.50'x4.50'=3.38	2.25'x2.25'x1'=0.19
14"	4.75'x4.75'x4.75'=3.96	1.75'x1.75'x2'=0.24
16"	4.90'x4.90'x4.90'=4.36	1.90'x1.90'x2'=0.27
18"	5.15'x5.15'x5.15'=5.06	2.00'x2.00'x2'=0.29
20"	5.30'x5.30'x5.30'=5.51	2.10'x2.10'x2'=0.32
24"	5.60'x5.60'x5.60'=6.50	2.25'x2.25'x2'=0.38

MODEL: Detail-e4 (Sheet) FILE NAME: P:\2023\RA\Illini Prairie Rest Area Sanitary Imp\70G29 Section RA 2023-1\CADD Sheets\0570G29-068-Thrust Details.dgn

BENTON ENGINEERING
1975 Lafayette Avenue
Jacksonville, IL 62150
(317) 885-4146
bentoneng.com

USER NAME = rshaw	DESIGNED - C. JONES	REVISED -
DRAWN - M. GLIME	REVISED -	
PLOT SCALE = \$\$\$CALE\$	CHECKED - J. HEADEN	REVISED -
PLOT DATE = 3/11/2026	DATE - MARCH, 2026	REVISED -

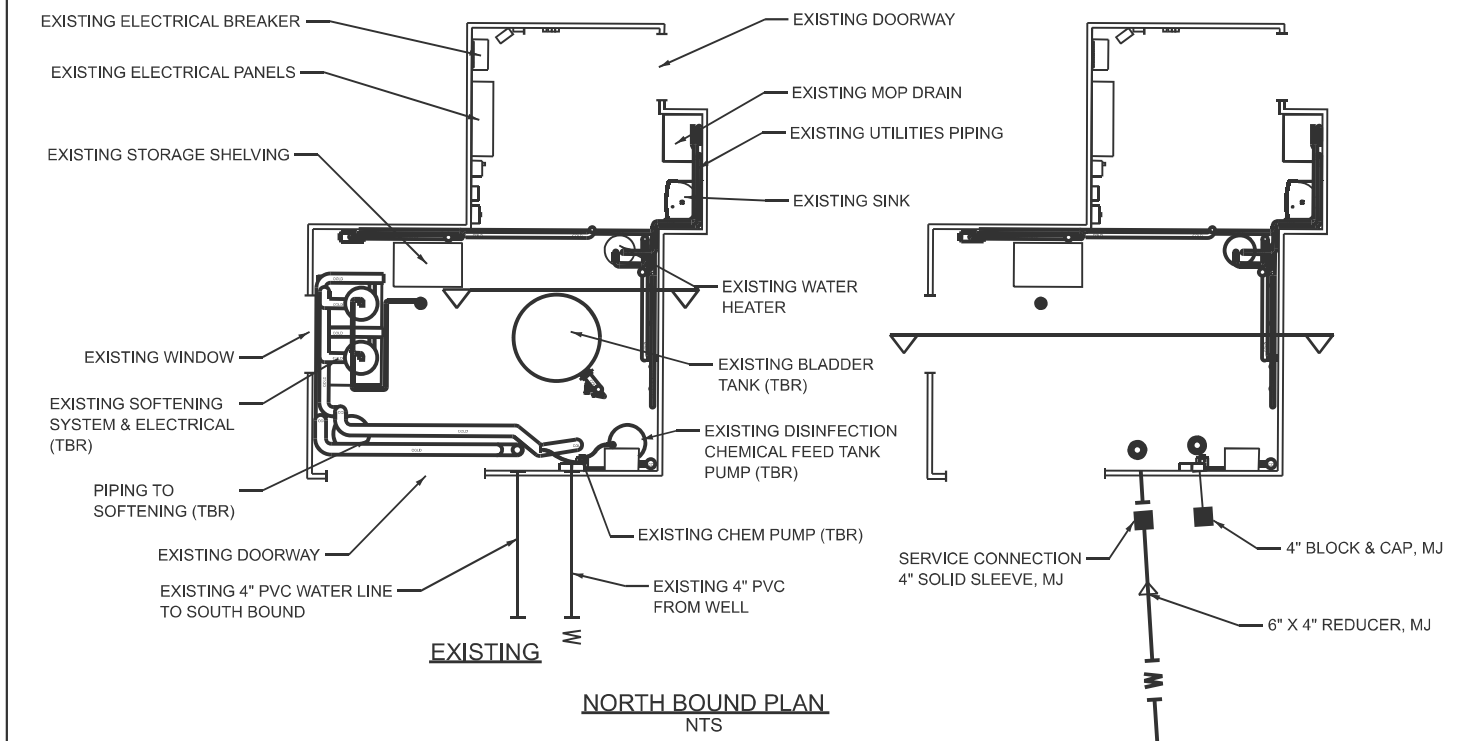
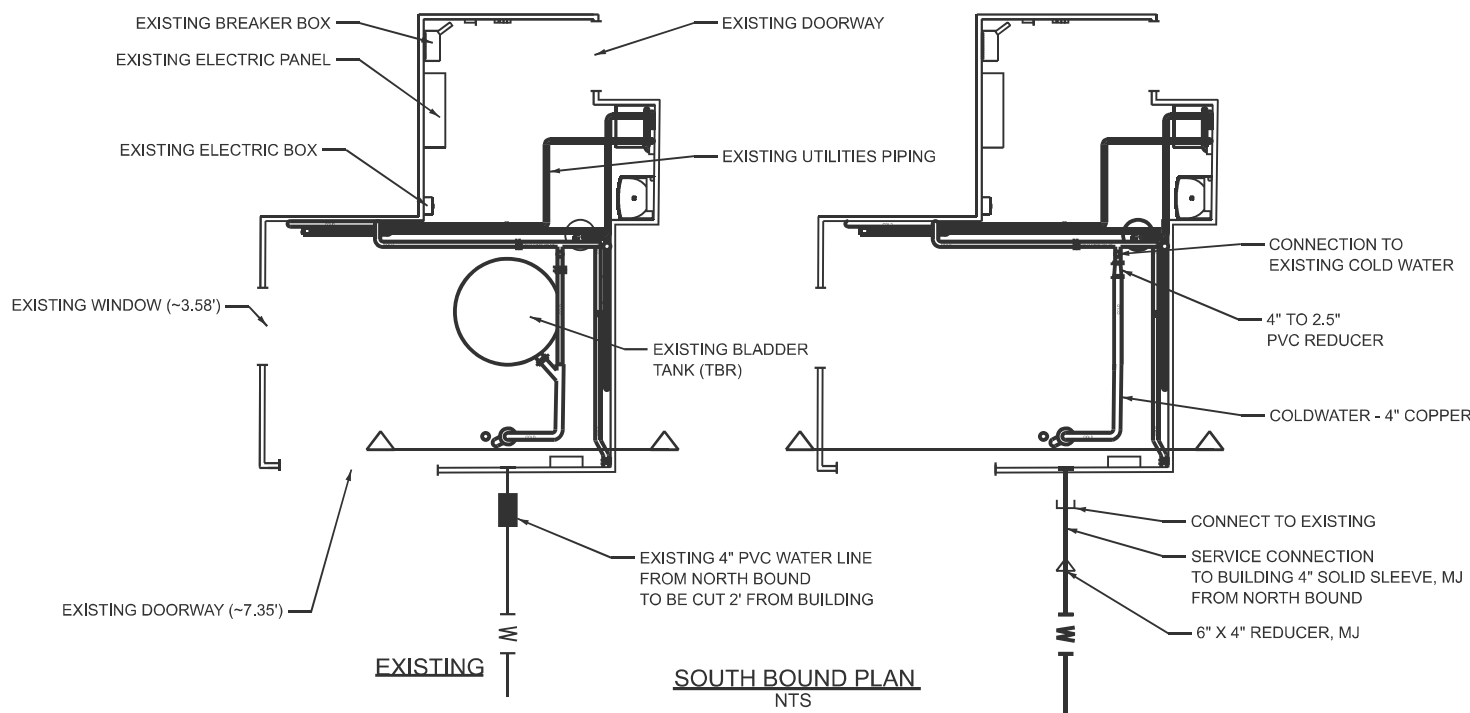
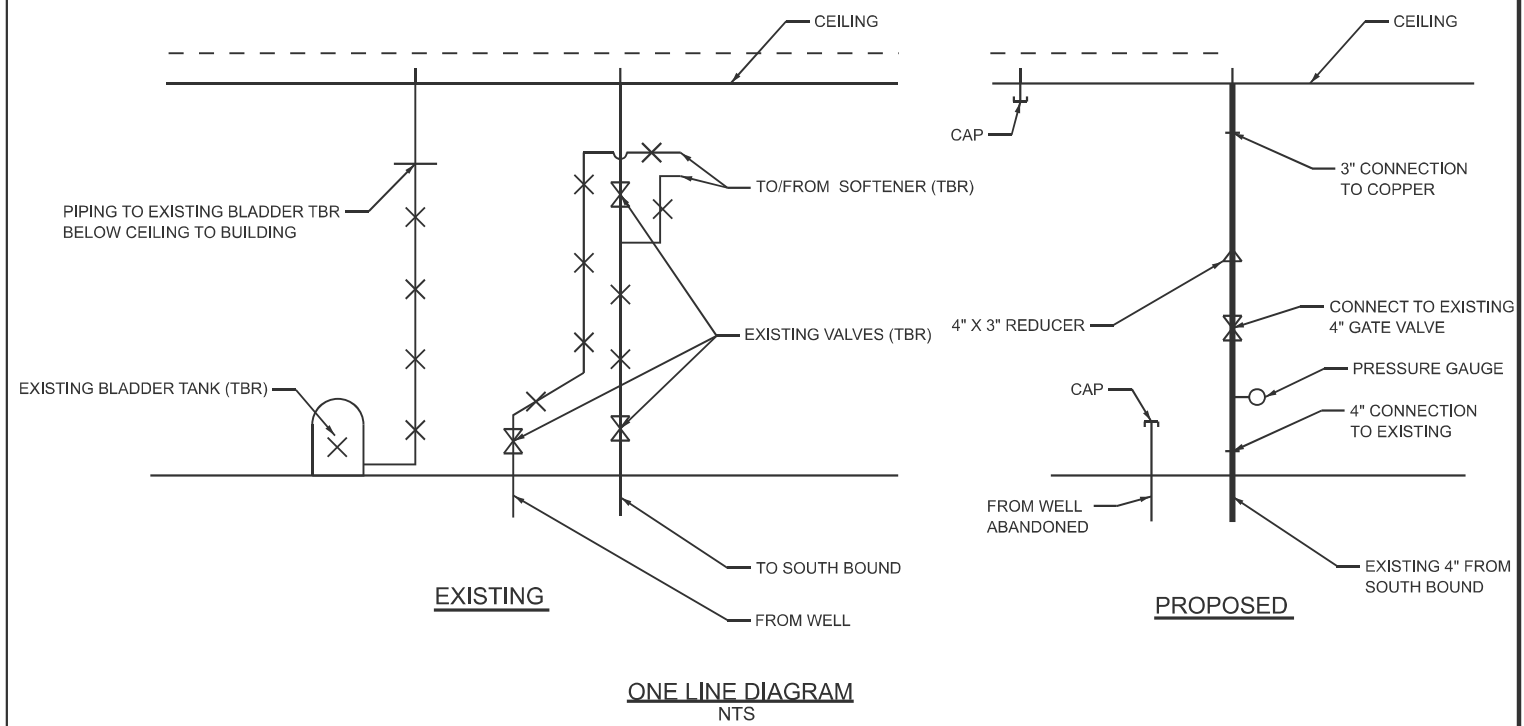
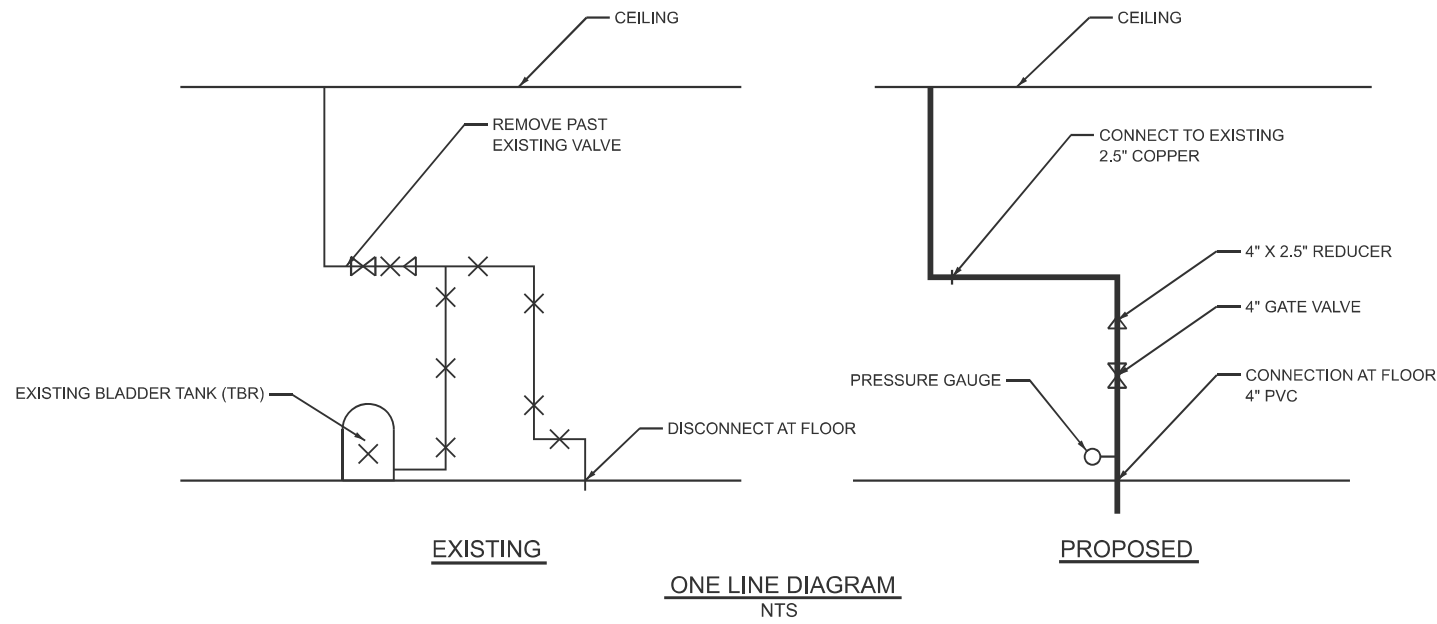
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
I-57 ILLINI PRAIRIE REST AREAS

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	68
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

NOTE:
 * CONTRACTOR TO CAP ALL LINES & INSULATE ALL LINES
 * CONTRACTOR TO VERIFY AND MATCH SIZING/MATERIALS AT ALL CONNECTION POINTS
 * CONTRACTOR TO PATCH/REPAIR/REPLACE DAMAGED WALLS, CEILINGS, AND FLOOR IN KIND TO THE APPROVAL OF THE ENGINEER.



MODEL: Water Bldg Details (Sheet)
 FILE NAME: P:\2023\RA 2023-1\CADD Sheets\0570G29-070-sh+WATR-Bldg Details.dgn
 1976 Lafayette Avenue
 Jacksonville, IL 62154
 (317) 285-4146
 bentoneng.com

BENTON ENGINEERING	USER NAME = knichols	DESIGNED - ELD	REVISED -
		DRAWN - RDS	REVISED -
		CHECKED - CCJ	REVISED -
	PLOT DATE = 3/10/2026	DATE - MARCH, 2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

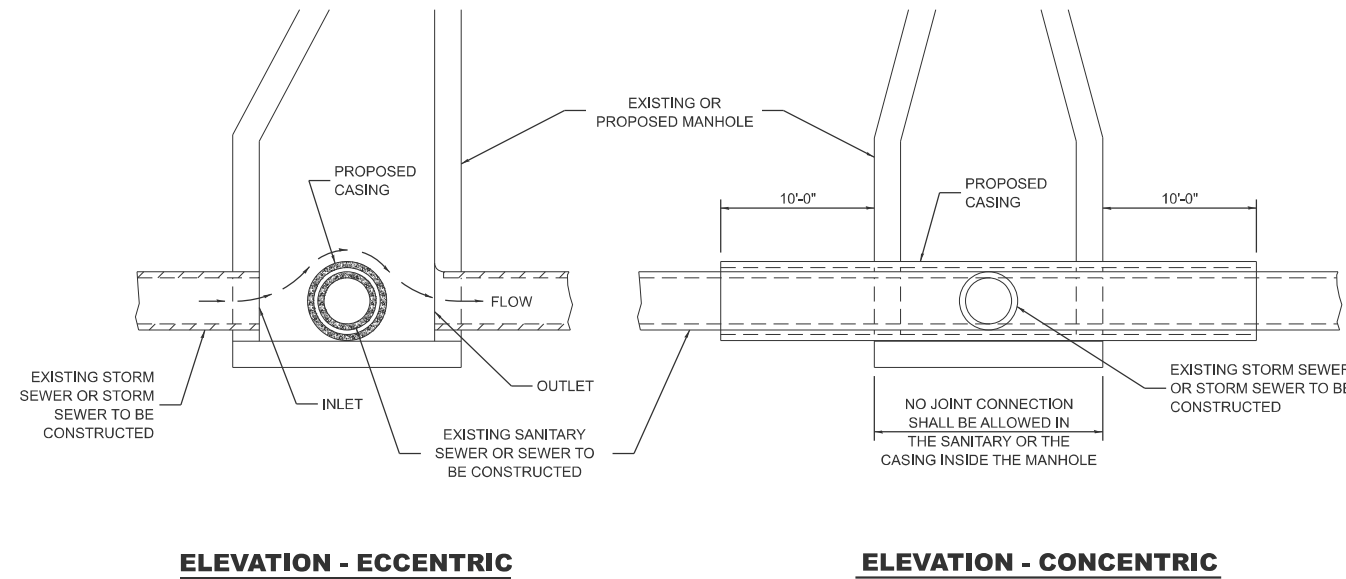
WATER BUILDING SERVICE INTERIOR PLUMBING DETAILS
L-57 ILLINOIS PRAIRIE REST AREAS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	70
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				

SEWER AND WATER MAIN CROSSINGS

THIS DETAIL IS FOR UNKNOWN UTILITIES UNLESS QUANTITIES ARE INCLUDED IN THE PLANS THE EXTRA WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.



ELEVATION - ECCENTRIC

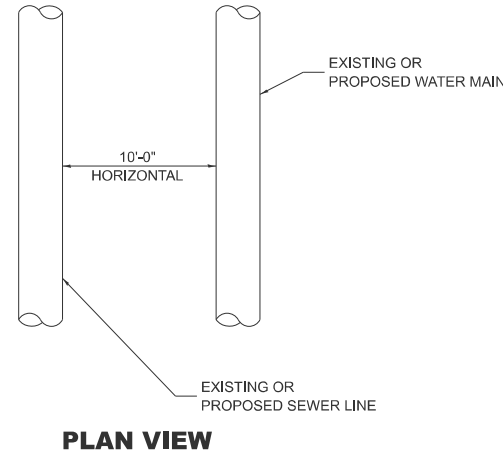
ELEVATION - CONCENTRIC

AT GRADE CROSSING OF SANITARY AND STORM SEWER

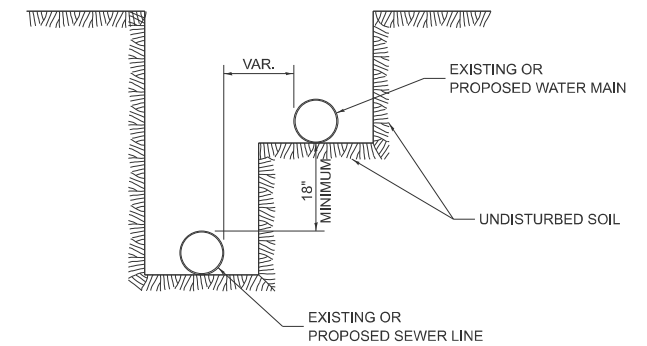
CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10'-0" OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION REQUIRED.

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10'-0" FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.

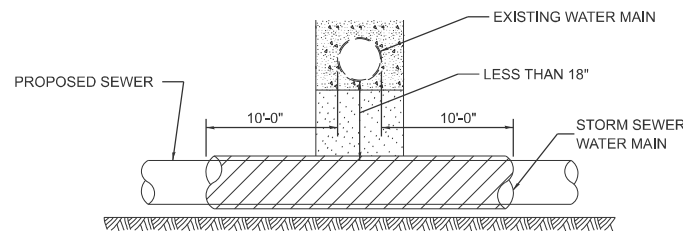


PLAN VIEW

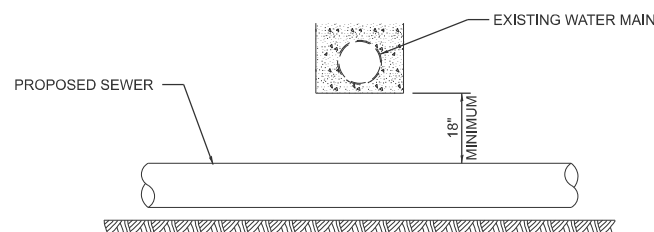


WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS

POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN
 PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

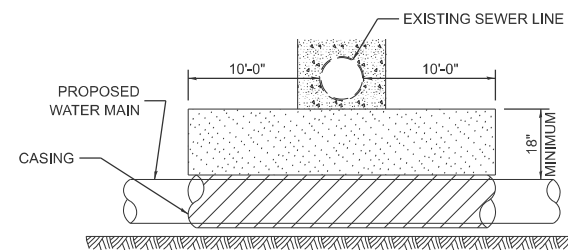


PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
 MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY



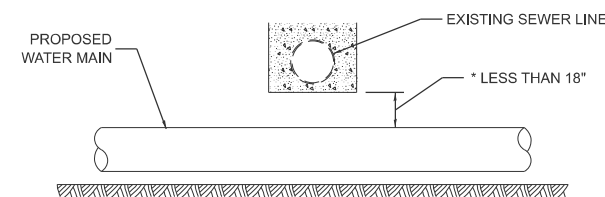
PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT
 PLACE TRENCH BACKFILL FOR 10 FT. ON EITHER SIDE OF SEWER LINE



CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

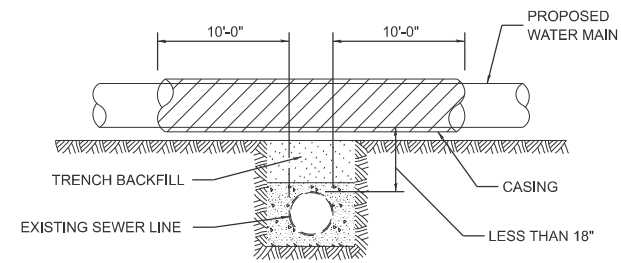
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
 MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY



* NOT ALLOWED
 MUST MAINTAIN 18 VERTICAL SEPARATION

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

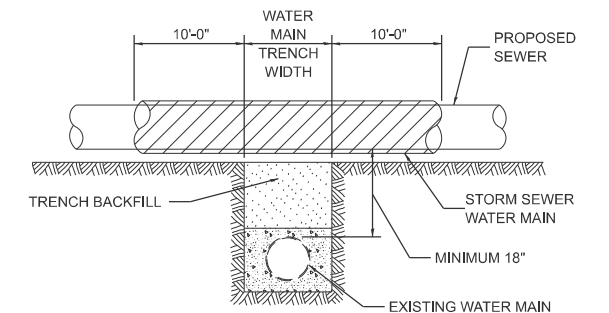
POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATER MAIN CASING AND SEWER



CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

PROVIDE ADEQUATE SUPPORT FOR SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN.



EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH MINIMUM 18 VERTICAL SEPARATION

Note: All dimensions are in INCHES unless otherwise shown.

DISTRICT 5 DETAIL NO. 550AAAAA

MODEL: sewer_vm_cross [Sheet]
 FILE NAME: S:\2023\231008 PTB_206-34 DS - Beniton - I-57 Sanitary Sewer Phase II\CADD\CADD Sheets\0570G29-shr-Details.dgn

USER NAME	= RGoertz	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	= \$SCALE\$	CHECKED	-	REVISIONS	-
PLOT DATE	= 3/10/2026	DATE	= MARCH 2026	REVISIONS	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SEWER AND WATER MAIN CROSSINGS
 DISTRICT 5 DETAIL NO. 550AAAAA**

SCALE: SHEET OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	RA 2023-1	CHAMPAIGN	71	71
CONTRACT NO. 70G29				
ILLINOIS FED. AID PROJECT				