

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	1
		ILLINOIS	CONTRACT NO. 62T84	

D-91-302-22

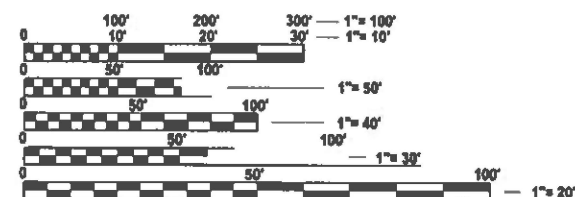
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

**FAU ROUTE 2843 (DIXIE HIGHWAY)
OVER THORN CREEK TRIBUTARY B
(0.4 MI N OF IL 1)
SECTION FAU 2843 22 CR
PROJECT NO STP-AN8J(452)
BOX CULVERT REPLACEMENT
COOK COUNTY**

 Gregory C. Hatlestad, P.E., S.E. Lic. No. 001.005562 Expires: 11/30/2026 CZAPLICKI LOPEZ, PLLC (SHTS 24-35)	05/01/2026 Date	
 Thomas P. Paolicchi, P.E. Lic. No. 062.056747 Expires: 11/30/2027 ABNA ENGINEERING (SHTS 1-23, 36-57)	05/01/2026 Date	

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
2025 ADT = 6,900
SPEED LIMIT = 35 MPH
MUNICIPALITY: CITY OF
CHICAGO HEIGHTS



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

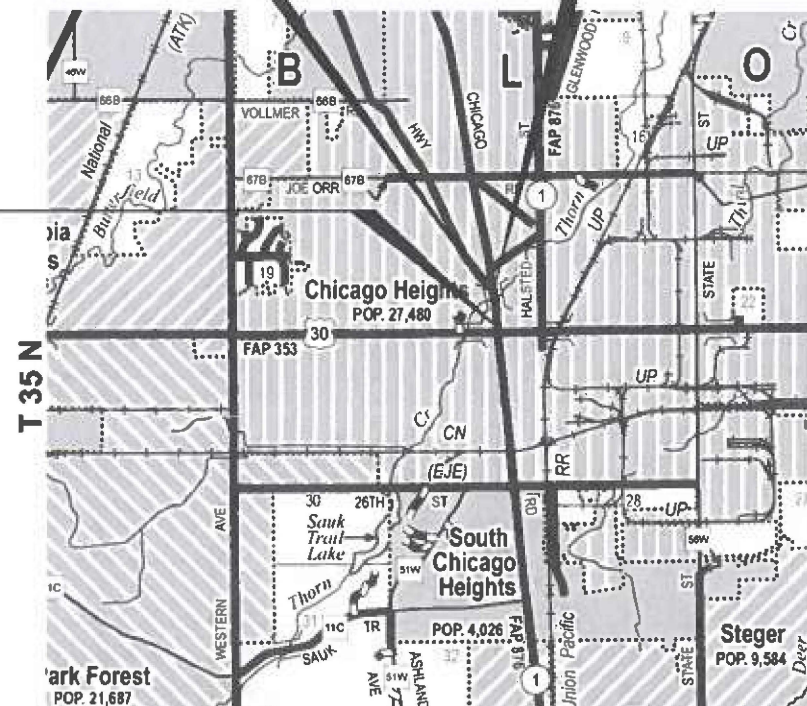
CULVERT REPLACEMENT
EX SN 016-0926
PROP SN 016-8321

C-91-356-22

END IMPROVEMENT

STA 34 + 00.00

BEGIN IMPROVEMENT
STA 25 + 51.17



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 4 2026
Gov. R. R. REGIONAL ENGINEER
June 26 2026
Scott E. Etk ENGINEER OF DESIGN AND ENVIRONMENT
June 26 2026
Quarry 5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT MANAGER: PRAVEEN KAINI, PE 847-705-4237

CONTRACT NO. 62T84

GROSS LENGTH = 848.83 FT. = 0.161 MILE
NET LENGTH = 848.83 FT. = 0.161 MILE

 **ABNA**
DESIGN FIRM REG. 184.002117

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

MODEL: GEN NOTES[Sheet]
FILE NAME: J:\2022\6\41-17D\162784\CADD Data\Sheets\162784-gh-GEN NOTES.dgn

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HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDE WALKS
542301-03	PRECAST REINFORCEMENT CONCRETE FLARED END SECTION
602301-04	INLET TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
604001-05	FRAMES AND LIDS TYPE 1
604091-05	FRAMES AND GRATE TYPE 24
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
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

COMMITMENTS

NONE

GENERAL NOTES

1.

ALL REFERENCES TO "HMA" = "HOT-MIX ASPHALT".
2.

THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
3.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

*COMCAST
*COMED
*NICOR
*AT&T
*CITY OF CHICAGO HEIGHTS WATER & SANITARY

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *, NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4.

THE CONTRACTOR SHALL ASSIST CITY OF CHICAGO HEIGHTS TO LOCATE THEIR WATER LINES BY PROVIDING LANE CLOSURE IF NEEDED.
5.

ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
6.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7.

ALL SIDE ROADS AND ENTRANCES SHALL REMAIN OPEN UNLESS OTHERWISE SHOWS IN THE DETOUR PLAN.
8.

STATIONING SHALL BE PLACED EVERY 50 FEET ON PROJECT BY ENGINEER WITH THE COOPERATION OF THE CONTRACTOR.
9.

BEFORE BEGINING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD, FOR THE FUTURER REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY ENGINEER.
10.

THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12".

11.

PAVEMENT MARKINGS TAPE, TYPE IV, SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
12.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDINACE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
13.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
14.

ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
15.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(B,C) OF THE SSRBC WILL NOT BE ALLOWED.
16.

TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS ON IDOT ARTERIAL ROADS, THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT PATRICE.HARRIS@ILLINOIS.GOV.
17.

THE CONTRACTOR SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
18.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID" PER PLAT OF HIGHWAYS APPROVED BY IDOT.
19.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF CHICAGO HEIGHTS. THE CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES NOT SHOWN FOR REMOVAL. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
20.

EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
21.

TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES, SHRUBS, AND LANDSCAPED BEDS WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
22.

ALL FERTILIZER NUTRIENTS HAVE BEEN INTENTIONALLY OMITTED FROM THE CONTRACT SINCE SODDING, SALT TOLERANT IS HEAVILY FERTILIZED PRIOR TO HARVESTING.
23.

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE TREES, SHRUBS, AND NATIVE SOD.
24.

THIS PROJECT REQUIRES AN US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT, AS A CONDITION OF THIS PERMIT. THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
25.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.

MIXTURE REQUIREMENT CHART

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @Ndesign	QMP
MAINLINE PAVEMENT (RESURFACING) BUTT JOINT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1.5"	4% @70 Gyr.	QC/QA
DRIVEWAY & LOCAL ROAD RESTORATION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @50 Gyr.	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0); 8"	4% @50 Gyr.	QC/QA
QMP DESIGNATIONS : QUALITY CONTROL/QUALITY ASSSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP): PAY FOR PERFORMANCE (PFP).		

NOTE:

1.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATION.



USER NAME = galsailani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 6/10/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	2
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

• FAU 2843 22 CR

MODEL: SQQ-1 [Sheet]
FILE NAME: J:\2022\6\11-17\162T84\CADD Data\Sheets\162T84-ght-SQQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
				0004
				URBAN
20101000	TEMPORARY FENCE	FOOT	285	285
* 20101100	TREE TRUNK PROTECTION	EACH	7	7
20200100	EARTH EXCAVATION	CU YD	709.7	709.7
20300100	CHANNEL EXCAVATION	CU YD	128.7	128.7
20700220	POROUS GRANULAR EMBANKMENT	CU YD	508	508
20800150	TRENCH BACKFILL	CU YD	37	37
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	37	37
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	157	157
21400100	GRADING AND SHAPING DITCHES	FOOT	233	233
* 25200110	SODDING, SALT TOLERANT	SQ YD	505	505
25200200	SUPPLEMENTAL WATERING	UNIT	60	60
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30
28000400	PERIMETER EROSION BARRIER	FOOT	641	641

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
				0004
				URBAN
28000500	INLET AND PIPE PROTECTION	EACH	7	7
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	692	692
28100107	STONE RIPRAP, CLASS A4	SQ YD	50	50
28100109	STONE RIPRAP, CLASS A5	SQ YD	106	106
* 28200200	FILTER FABRIC	SQ YD	50	50
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	168	168
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	27	27
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	125	125
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	56	56
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	52	52
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	14	14
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2	2
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	326	326
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3639	3639



ABNA
DESIGN FIRM REG. 184.002117

USER NAME = galsailani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 9/17/2024	DATE - 08/22/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	3
		CONTRACT NO. 62T84		
		ILLINOIS FED. AID PROJECT		

• FAU 2843 22 CR

REV-SEP

MODEL: SQQ-2 [Sheet]
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
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				ROADWAY
				0004 URBAN
42400800	DETECTABLE WARNINGS	SQ FT	55	55
44000100	PAVEMENT REMOVAL	SQ YD	440	440
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	304	304
44000600	SIDEWALK REMOVAL	SQ FT	1937	1937
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	1648	1648
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	457	457
50500505	STUD SHEAR CONNECTORS	EACH	116	116
50800105	REINFORCEMENT BARS	POUND	10190	10190
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	900	900
* 51500100	NAME PLATES	EACH	1	1
* 52200015	PERMANENT SHEET PILING	SQ FT	875	875
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	6.2	6.2

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0004 URBAN
54003000	CONCRETE BOX CULVERTS	CU YD	65.5	65.5
54010807	PRECAST CONCRETE BOX CULVERTS 8' X 7'	FOOT	198	198
54011207	PRECAST CONCRETE BOX CULVERTS 12' X 7'	FOOT	99	99
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	8	8
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	10	10
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	28	28
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	130	130
55100700	STORM SEWER REMOVAL 15"	FOOT	30	30
55101200	STORM SEWER REMOVAL 24"	FOOT	29	29
55101400	STORM SEWER REMOVAL 30"	FOOT	135	135
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	416	416
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1



USER NAME = galsallani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.U RTE. 2843	SECTION FAU 2843 22 CR	COUNTY COOK	TOTAL SHEETS 57	SHEET NO. 4
		CONTRACT NO. 62T84		
		ILLINOIS FED. AID PROJECT		

MODEL: SQO-3 [Sheet]
FILE NAME: J:\2022\6041-1\TD\62T84\CADD Data\Sheets\62T84-sh-SQO.dgn

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
				0004
				URBAN
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	2	2
* 60403800	LIDS, TYPE 1, CLOSED LID	EACH	1	1
60500060	REMOVING INLETS	EACH	2	2
60600605	CONCRETE CURB, TYPE B	FOOT	35	35
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	98	98
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	337	337
63200310	GUARDRAIL REMOVAL	FOOT	130	130
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	890	890
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30
67100100	MOBILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30	30
70400100	TEMPORARY CONCRETE BARRIER	FOOT	100	100

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
				0004
				URBAN
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	48	48
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	618	618
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	55	55
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	28	28
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	30	30
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28	28
* A2002879	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3
* C2012336	SHRUB, VIBURNUM LANTANA MOHICAN (MOHICAN WAYFARING TREE VIBURNUM), 3' HEIGHT, BALLED AND BURLAPPED	EACH	24	24
X2503110	MOWING (SPECIAL)	ACRE	0.50	0.50
* X2520704	NATIVE PRAIRIE SODDING, SPECIAL	SQ YD	685	685
X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2
X5090850	ORNAMENTAL RAILING	FOOT	143	143
X5510010	STORM SEWER CONNECTION	EACH	6	6
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	135	135
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	416	416
X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1	1



USER NAME = galsailani	DESIGNED - CT	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 3	OF 3	SHEETS
STA.	TO STA.		

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	5
		CONTRACT NO. 62T84		
		ILLINOIS FED. AID PROJECT		

• FAU 2843 22 CR

REV-SEP

MODEL: SQQ-4 [Sheet]
FILE NAME: J:\2022\6\41-17\162T84\CADD Data\Sheets\162T84-shl-SQQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				ROADWAY
				0004
				URBAN
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
* X7240305	REMOVE AND REPLACE SIGN AND SUPPORTS	EACH	1	1
*				
X5091770	HANDRAIL REMOVAL	FOOT	28	28
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
X6640104	FENCE REMOVAL	FOOT	12	12
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4
Z0054400	ROCK FILL	CU YD	457	457
X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5	5

* SPECIALTY ITEM



USER NAME = galsailani	DESIGNED - CT	REVISED -
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PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 5/1/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 4	OF 4 SHEETS	STA. TO STA.

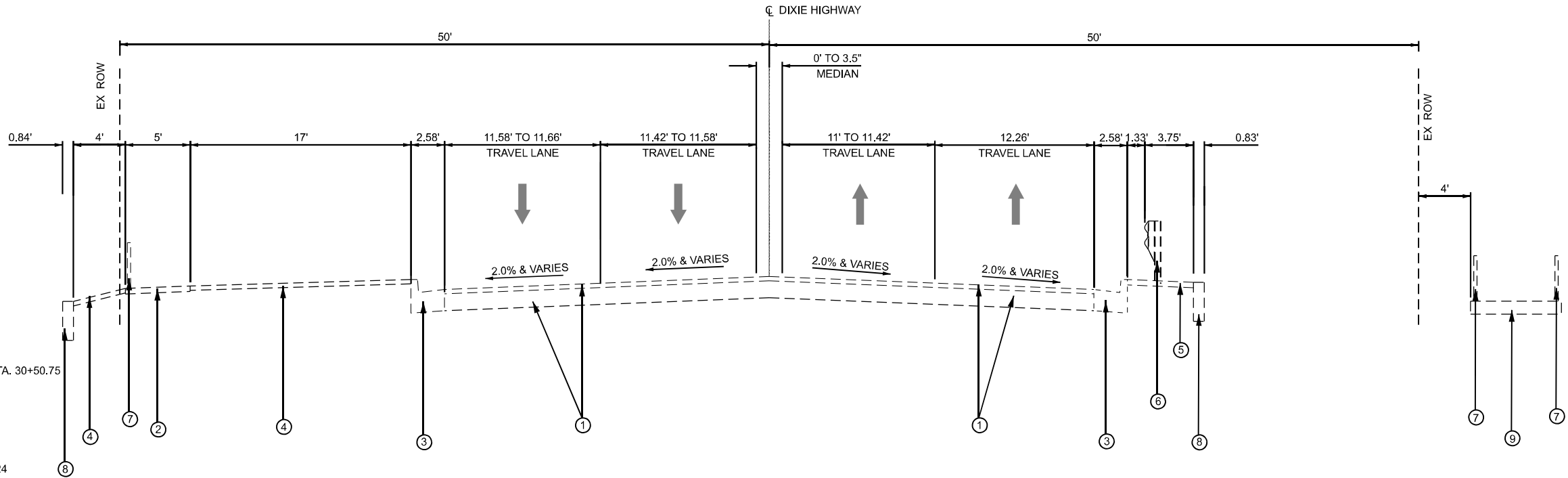
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	6
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

• FAU 2843 22 CR

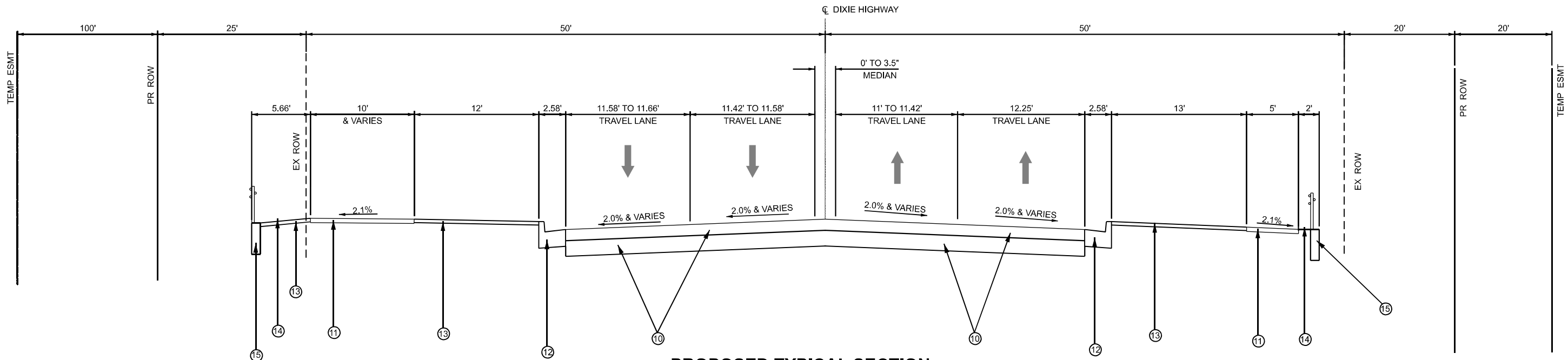
LEGEND

- ① EXISTING PAVEMENT
- 3" BIT. CONCRETE OVER 8" P.C.C. BASE
- 1½" BIT. CONCRETE SURFACE MIXTURE D, CLASS I
- BIT. BINDER COURSE
- ② EXISTING P.C.C. SIDEWALK
- ③ EXISTING CONCRETE CURB AND GUTTER TYPE B-6.24
- ④ GRASSED PARKWAY
- ⑤ EXISTING BITUMINOUS PARKWAY
- ⑥ EXISTING GUARDRAIL
- ⑦ EXISTING SIDEWALK RAILING
- ⑧ EXISTING CULVERT HEADWALL
- ⑨ EXISTING FOOTBRIDGE
- ⑩ PROPOSED PAVEMENT
- STA. 30+06.00 TO STA. 30+37.97
- 9" PCC PAVEMENT (JOINTED)
- SUBBASE GRANULAR MATERIAL TYPE B, VARIABLE DEPTH (3"-7.5")

- STA. 29+92.46 TO STA. 30+06.00, STA. 30+37.97 TO STA. 30+50.75
- 9" PCC PAVEMENT (JOINTED)
- 12" AGGREGATE SUBGRADE IMPROVEMENT (CONSTRUCT TO 1' BEYOND BACK OF CURB)
- ⑪ PROPOSED P.C.C. SIDEWALK
- ⑫ PROPOSED CONCRETE CURB AND GUTTER TYPE B-6.24
- ⑬ PROPOSED GRASSED PARKWAY
- ⑭ PROPOSED PEDESTRIAN RAILING
- ⑮ PROPOSED CULVERT HEADWALL
- ⑯ PROPOSED DITCH REGRADING



EXISTING TYPICAL SECTION
DIXIE HIGHWAY STA. 29+92.46 TO STA. 30+50.75



PROPOSED TYPICAL SECTION
DIXIE HIGHWAY STA. 29+92.46 TO STA. 30+50.75

MODEL: TYPESECTION-1 [Sheet]
FILE NAME: J:\20226041-1\10162184\CADD Data\Sheets\162184-eh-TYPICALS.dgn



USER NAME = galsailani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 4/28/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
TYPICAL SECTIONS

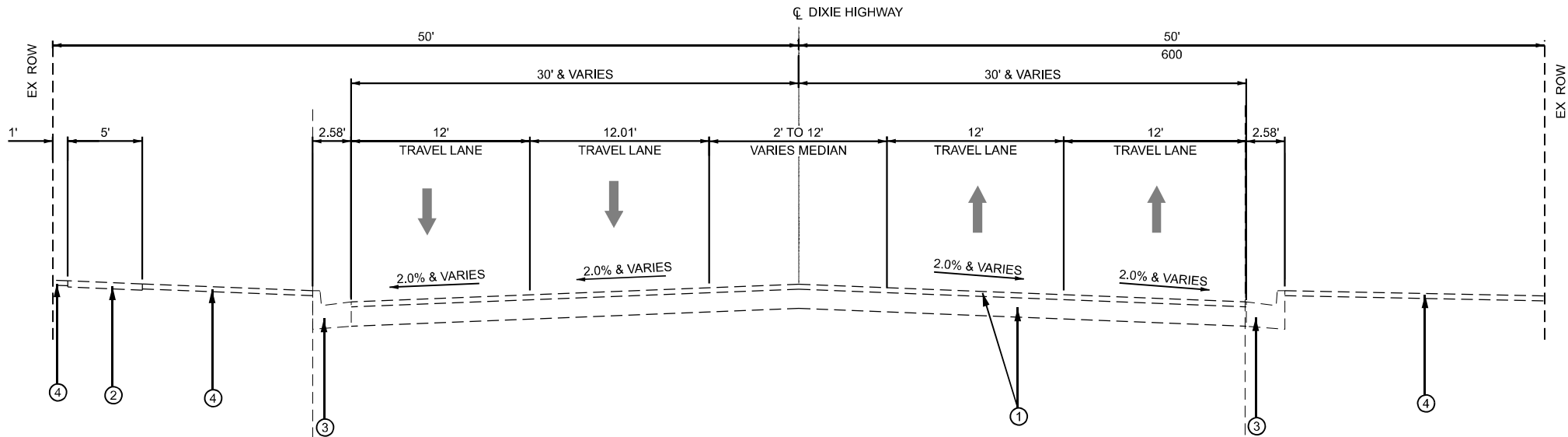
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F.A.U. RTE. 2843	SECTION FAU 2843 22 CR	COUNTY COOK	TOTAL SHEETS 57	SHEET NO. 7
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

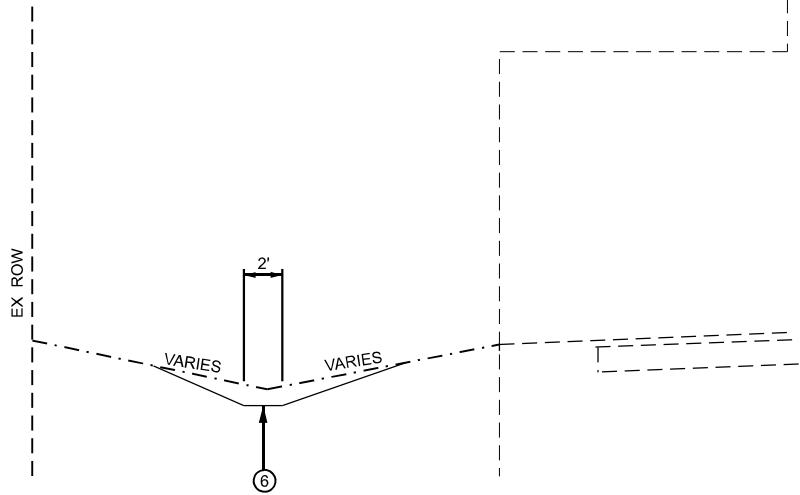
FAU 2843 22 CR

LEGEND

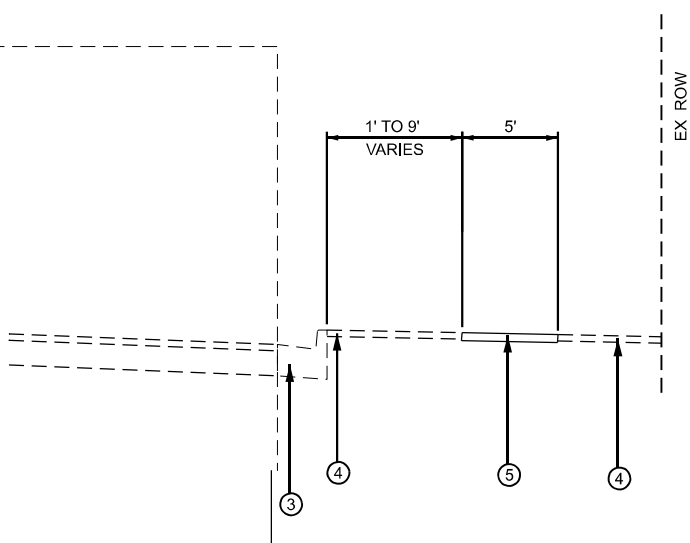
- ① EXISTING PAVEMENT
 - 3" BIT. CONCRETE OVER 8" P.C.C. BASE
 - 1½" BIT. CONCRETE SURFACE MIXTURE D, CLASS I
 - BIT. BINDER COURSE
- ② EXISTING P.C.C. SIDEWALK
- ③ EXISTING CONCRETE CURB AND GUTTER TYPE B-6.24
- ④ GRASSED PARKWAY
- ⑤ PROPOSED P.C.C. SIDEWALK
- ⑥ PROPOSED DITCH REGRADING



EXISTING TYPICAL SECTION
DIXIE HIGHWAY STA. 28+62.00 TO STA. 29+92.46



PROPOSED DITCH
STA. 31+75.00 TO STA 34+00.00



PROPOSED SIDEWALK
STA. 25+64.83 TO STA 30+75.10

MODEL: TYPESECTION-3 [Sheet]
FILE NAME: J:\2022\6041-1\TD\62T84\CADD Data\Sheets\62T84-eh-TYPICALS.dgn



USER NAME = galsailani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 4/27/2026	DATE - 04/02/2025	REVISED -

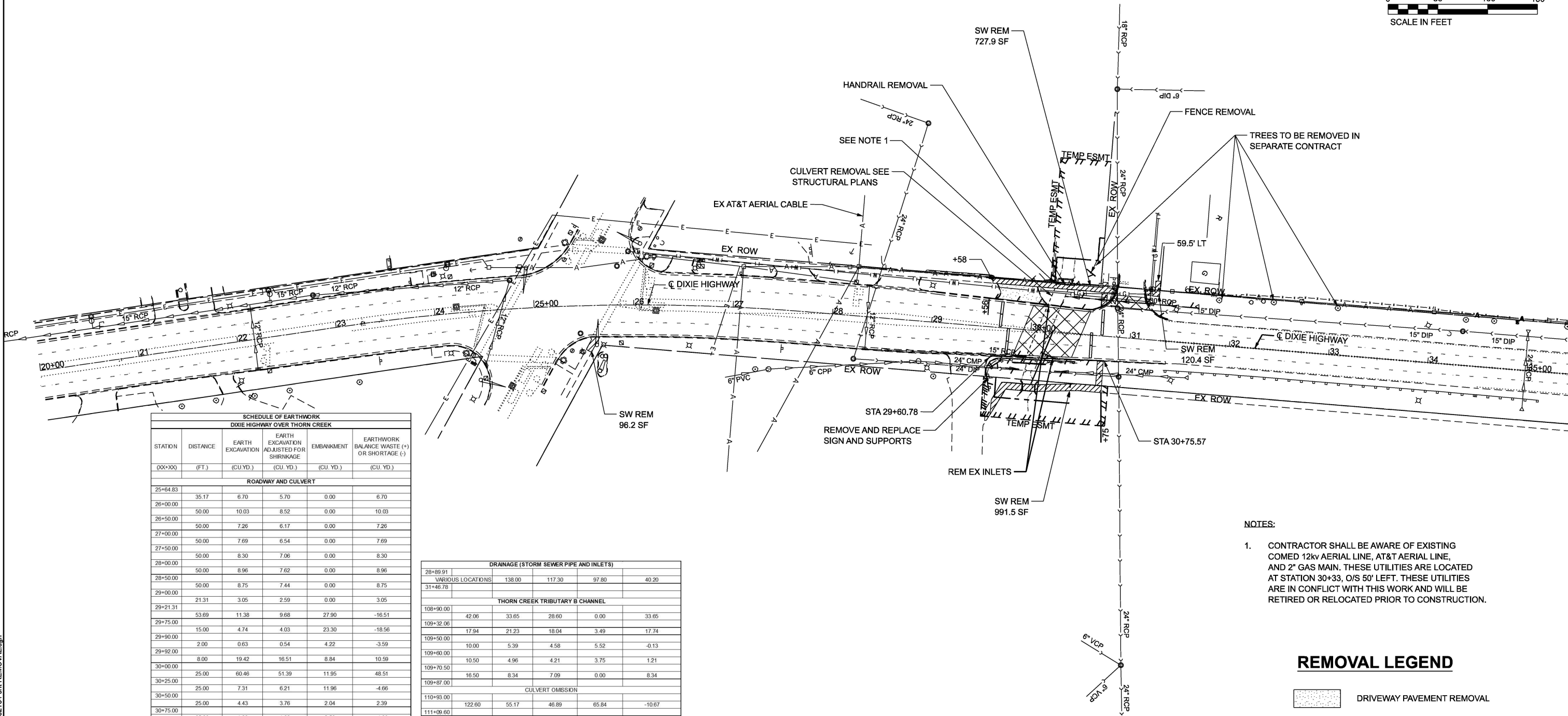
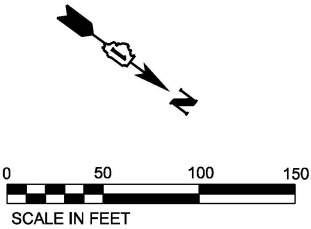
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
TYPICAL SECTIONS

SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	8
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

• FAU 2843 22 CR



SCHEDULE OF EARTHWORK DIXIE HIGHWAY OVER THORN CREEK					
STATION	DISTANCE	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
(00+00)	(FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
ROADWAY AND CULVERT					
25+64.83	35.17	6.70	5.70	0.00	6.70
26+00.00	50.00	10.03	8.52	0.00	10.03
26+50.00	50.00	7.26	6.17	0.00	7.26
27+00.00	50.00	7.69	6.54	0.00	7.69
27+50.00	50.00	8.30	7.06	0.00	8.30
28+00.00	50.00	8.96	7.62	0.00	8.96
28+50.00	50.00	8.75	7.44	0.00	8.75
29+00.00	21.31	3.05	2.59	0.00	3.05
29+21.31	53.69	11.38	9.68	27.90	-16.51
29+75.00	15.00	4.74	4.03	23.30	-18.56
29+90.00	2.00	0.63	0.54	4.22	-3.59
29+92.00	8.00	19.42	16.51	8.84	10.59
30+00.00	25.00	60.46	51.39	11.95	48.51
30+25.00	25.00	7.31	6.21	11.96	-4.66
30+50.00	25.00	4.43	3.76	2.04	2.39
30+75.00	25.00	1.20	1.02	2.59	-1.39
31+00.00	25.00	0.93	0.79	1.30	-0.37
31+25.00	25.00	1.44	1.23	0.00	1.44
31+50.00	25.00	0.89	0.76	0.00	0.89
31+75.00	25.00	33.91	28.82	0.00	33.91
32+00.00	50.00	112.87	95.94	0.00	112.87
32+50.00	50.00	74.26	63.12	0.00	74.26
33+00.00	50.00	38.79	32.97	0.00	38.79
33+50.00	50.00	9.58	8.15	0.00	9.58
34+00.00					
SUB TOTAL		442.99	376.54	94.09	348.90

DRAINAGE (STORM SEWER PIPE AND INLETS)				
28+89.91	VARIOUS LOCATIONS	138.00	117.30	97.80
31+46.78				40.20
THORN CREEK TRIBUTARY B CHANNEL				
108+90.00	42.06	33.65	28.60	0.00
109+32.06	17.94	21.23	18.04	3.49
109+50.00	10.00	5.39	4.58	5.52
109+60.00	10.50	4.96	4.21	3.75
109+70.50	16.50	8.34	7.09	0.00
109+87.00				8.34
CULVERT OMISSION				
110+93.00	122.60	55.17	46.89	65.84
111+09.60				-10.67
SUB TOTAL		128.74	109.43	78.60
TOTAL		769.73	663.27	270.49

- NOTES:
- CONTRACTOR SHALL BE AWARE OF EXISTING COMED 12kv AERIAL LINE, AT&T AERIAL LINE, AND 2" GAS MAIN. THESE UTILITIES ARE LOCATED AT STATION 30+33, O/S 50' LEFT. THESE UTILITIES ARE IN CONFLICT WITH THIS WORK AND WILL BE RETIRED OR RELOCATED PRIOR TO CONSTRUCTION.

REMOVAL LEGEND

- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- LINEAR ITEM REMOVAL (GUARDRAIL, C&G, HANDRAIL, FENCE, STORM SEWER)
- TEMPORARY CONCRETE BARRIER

MODEL: D162784-REMOVAL Plan 1
FILE NAME: J:\2022\6041-17\162784\CADD Data\Sheets\162784-shr-REMOVAL.dgn



USER NAME	= galsallani
PLOT SCALE	= \$\$SCALE\$
PLOT DATE	= 5/1/2026

DESIGNED	- CT
DRAWN	- ABD
CHECKED	- TPP
DATE	- 04/02/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
REMOVAL PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 20+00.00 TO STA. 35+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	9
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

NOTES

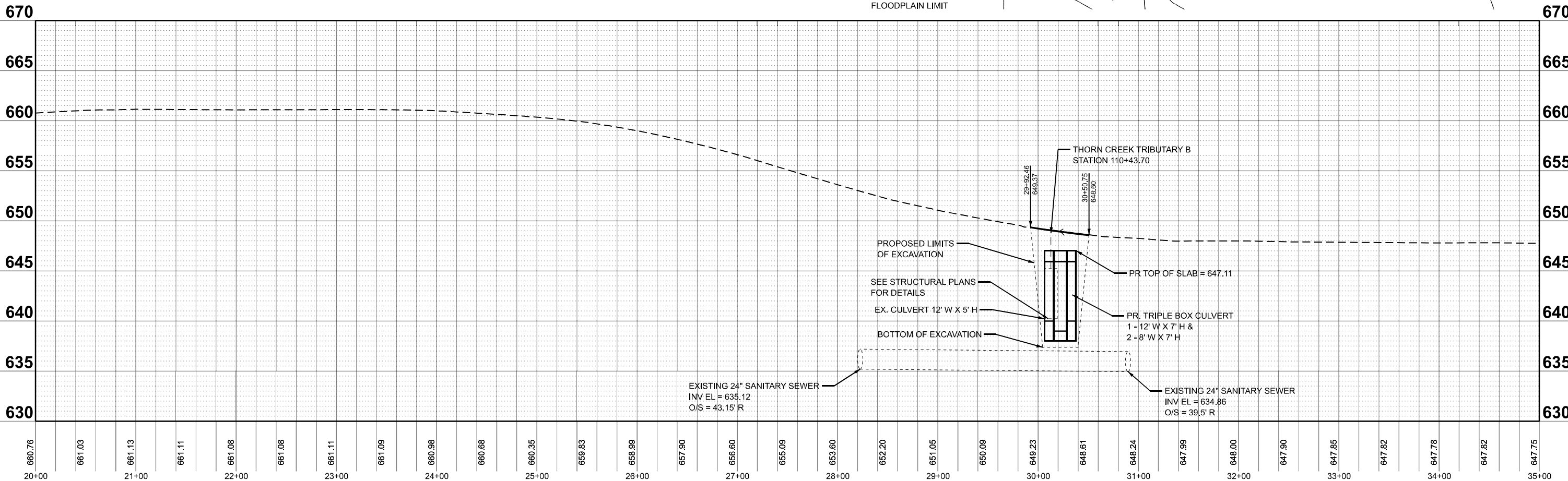
1. RE-GRADE EXISTING DITCH TO MEET THE PROPOSED STREAMBED ELEVATION AT THE PROPOSED CULVERT. (SEE CROSS SECTIONS)
2. SEE ADA SIDEWALK DETAILS AND IDOT STANDARDS.
3. PROPOSED SIDEWALK SHALL BE FLUSH WITH TOP OF HANDHOLE FRAME (PROPOSE SIDEWALK SHALL MATCH EXISTING GRADE ALONG ROUTE).

PROJECT LIMIT
STA. 25 + 51.17

PROJECT LIMIT
STA. 34 + 00.00

LENGEND

- MAINLINE PVMT (OVER CULV) (STA. 30+06.00 TO STA. 30+37.97)
9" PCC PAVEMENT (JOINTED)
SUBBASE GRANULAR MATERIAL TYPE B,
VARIABLE DEPTH (3"-7.5")
- MAINLINE PVMT
(STA 29+92.46 TO STA 30+06.00, STA 30+37.97 TO STA 30+50.75)
9" PCC PAVEMENT (JOINTED)
12" AGGREGATE SUBGRADE IMPROVEMENT
- BUTT JOINT
- DRIVEWAY & LOCAL ROAD (PAVEMENT RESTORATION)
HMA SURFACE COURSE, MIX "D", IL-9.5, N50; 2"
HMA BASE COURSE (HMA BINDER IL-19.0); 8"



MODEL: Plan1 [Sheet] FILE NAME: J:\2022\6041-1\7\0162184\CADD Data\Sheets\0162184-4-1H-plan-profile.dgn ABNA DESIGN FIRM REG. 184.002117	USER NAME = galsailani		DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B PLAN AND PROFILE				F.A.U RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = SSCALE\$		DRAWN - ABD	REVISED -		SCALE: 1"=50'				2843		FAU 2843 22 CR	COOK	57	10
	PLOT DATE = 5/5/2026		CHECKED - TPP	REVISED -		SHEET 1 OF 1 SHEETS						CONTRACT NO. 62T84			
			DATE - 04/02/2025	REVISED -		STA. 20+00.00 TO STA. 35+00.00						ILLINOIS FED. AID PROJECT			

SIGN LEGEND

1



W20-2(O) 4848

2



W20-3(O) 4848

3



R11-2 4830

5



W20-3(O) 4848

6



CUSTOM ROAD NAME SIGN WITH 6" MINIMUM UPPERCASE BLACK LETTERS ON ORANGE BACKGROUND

7



R11-4 6030

8



M4-8A(O) 2418

9



M4-10L-4818

10



M4-10R-4818

12



M4-9R(O)-3030

13



M4-9L(O)-3030

14



M4-9(O)-3024

15



M4-9R(O)-3024

16



M4-9L(O)-3024

17



M3-1(O)-2412

18



M3-3(O)-2412

EX.



M3-1-2412



CUSTOM ROAD NAME SIGN WITH 6" MINIMUM UPPERCASE BLACK LETTERS ON ORANGE BACKGROUND



M4-9R-3030

* FOR DETOURS OF UNMARKED ROUTES, SIGNS SHALL BE MODIFIED TO USE THE M4-9 SIGN SERIES.

NOTES:

1. SIGNS FOR THE DETOUR ARE INCLUDED IN THE CONTRACT LUMP SUM COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
2. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE CONSTRUCTION ON DIXIE HIGHWAY, THE CONTRACTOR SHALL PLACE ONE (1) CMS AT EACH END OF THE PROJECT ALONG THE ROUTE AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CONSTRUCTION. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER, THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.

MODEL: Detour 01 [Sheet]
FILE NAME: J:\2022\6041-1\10162184\CADD Data\Sheets\10162184-ehH-Detour.dgn

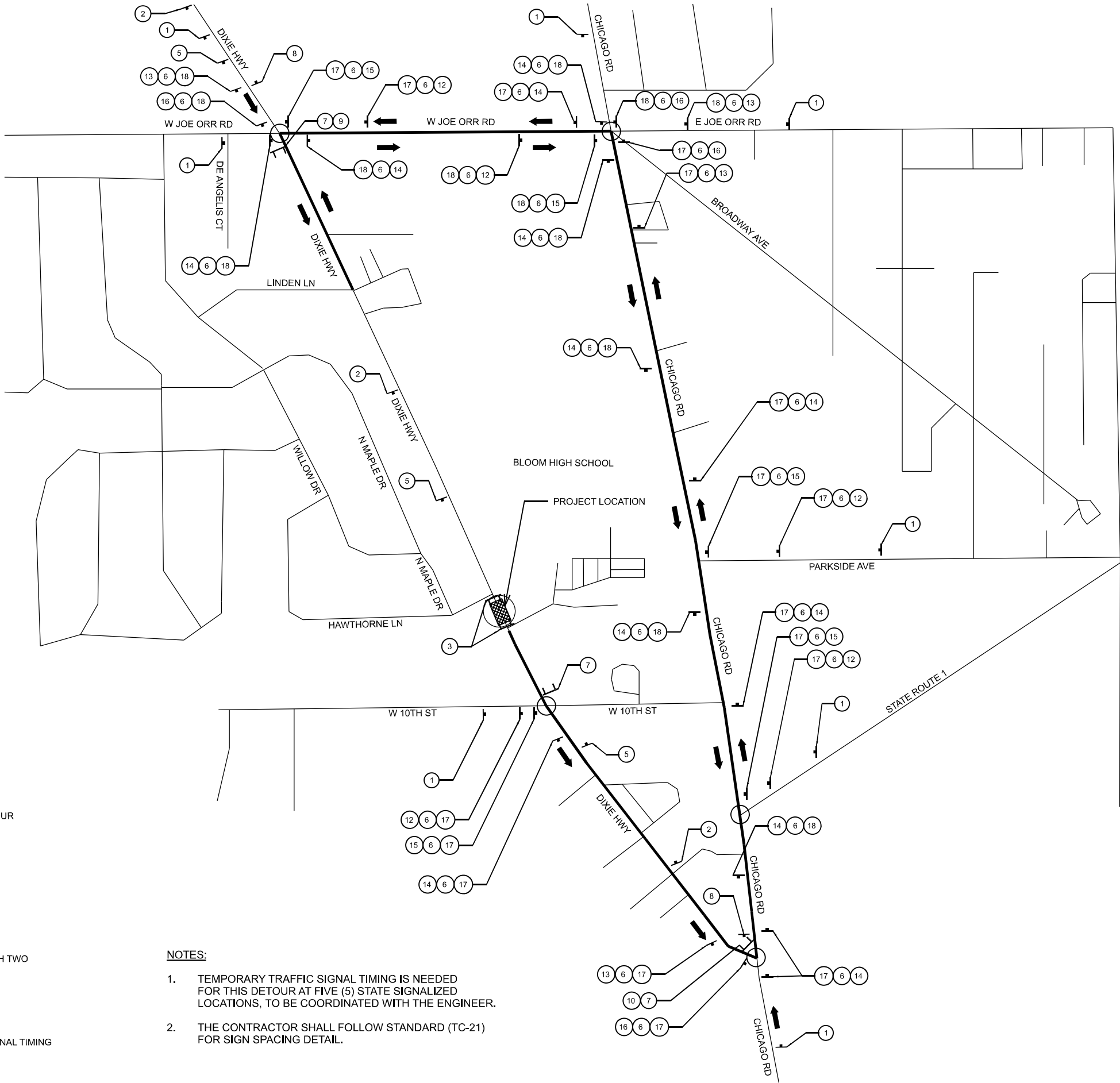


USER NAME	= galsailani	DESIGNED	-	GA	REVISED	-	
		DRAWN	-	GA	REVISED	-	
PLOT SCALE	= \$SCALE\$	CHECKED	-	TPP	REVISED	-	
PLOT DATE	= 6/10/2026	DATE	-	6/10/2026	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B MAINTENANCE OF TRAFFIC - DETOUR SIGNS			
SCALE: NONE	SHEET 1	OF 2	SHEETS
STA.	TO STA.		

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	11
		CONTRACT NO. 62T84		
		ILLINOIS	FED. AID PROJECT	



DETOUR PLAN LEGEND

- PROJECT AREA FOR DETOUR
- SIGN POST MOUNTED
- DETOUR SIGN TYPE
- DETOUR ROUTE
- TYPE III BARRICADES WITH TWO FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- TEMPORARY TRAFFIC SIGNAL TIMING

NOTES:

- TEMPORARY TRAFFIC SIGNAL TIMING IS NEEDED FOR THIS DETOUR AT FIVE (5) STATE SIGNALIZED LOCATIONS, TO BE COORDINATED WITH THE ENGINEER.
- THE CONTRACTOR SHALL FOLLOW STANDARD (TC-21) FOR SIGN SPACING DETAIL.

DETOUR ROUTE INFORMATION

DIXIE HWY - BLOOM HIGH SCHOOL DRIVEWAY TO CHICAGO RD

JURISDICTION: IDOT
ADT: 6,900 (TWO-WAY)
4-LANE UNDIVIDED
TRAVEL DISTANCE: 0.37 MILE

CHICAGO RD - DIXIE HWY TO STATE ROUTE 1

JURISDICTION: IDOT
ADT: 9,500 (TWO-WAY)
4-LANE UNDIVIDED
TRAVEL DISTANCE: 0.13 MILES

CHICAGO RD - STATE ROUTE 1 TO W JOE ORR RD

JURISDICTION: IDOT
ADT: 5,000 (TWO-WAY)
4-LANE UNDIVIDED
TRAVEL DISTANCE: 0.62 MILES

W JOE ORR RD - CHICAGO RD TO DIXIE HWY

JURISDICTION: IDOT
ADT: 14,300 (TWO-WAY)
4-LANE UNDIVIDED
TRAVEL DISTANCE: 0.30 MILES

DIXIE HWY - W JOE ORR RD TO NEAR LINDEN LN

JURISDICTION: IDOT
ADT: 6,900 (TWO-WAY)
4-LANE UNDIVIDED
TRAVEL DISTANCE: 0.15 MILE

MODEL: Detour 02 [Sheet]
FILE NAME: J:\2022\6041-1\10162184\CADD Data\Sheets\0162184-eh-Detour.dgn



USER NAME	= galsailani
DESIGNED	- GA
DRAWN	- GA
CHECKED	- TPP
PLOT DATE	= 9/29/2025

DESIGNED	-
REVIS	-
REVIS	-
REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
MAINTENANCE OF TRAFFIC - DETOUR PLAN

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	12
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

EROSION AND SEDIMENT CONTROL NOTES

1.

ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPS ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE; (HTTP://DOT/ILLINOIS/GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/STORM-WATER-MANAGEMENT-PROGRAM/EROSION-AND-SEDIMENT-CONTROL/CONSTRUCTION.HTML).
2.

ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
3.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4.

ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
5.

DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY.
6.

THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
7.

STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
8.

THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
9.

THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:

A.

DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.

B.

STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)

C.

LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.

D.

AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN 24-HOURS AFTER A 24-HOUR RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
10.

ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER PERIODS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% OF CAPACITY MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
11.

SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

12.

EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
13.

IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:

A.

ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER

B.

THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 3.

C.

ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
14.

TOPSOIL PLACEMENT:
TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
15.

IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
16.

THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORTS MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
17.

ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
18.

NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
19.

SEEDING USAGE

SODDING, SALT TOLERANT:
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

NATIVE PRAIRIE SOD, MESIC:
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
20.

THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
21.

THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
22.

THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING STORM SEWERS/CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECAST, SO THAT FLOW WILL NOT BE EROSIIVE. THE LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

23.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
24.

STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.
25.

EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER, THE COOK COUNTY SOIL & WATER CONSERVATION DISTRICT AND/OR THE US ARMY CORPS OF ENGINEERS.
26.

THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES TO COMPLY WITH EROSION CONTROL PERMITS.
27.

THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES AND STABILIZED CONSTRUCTION ENTRANCES TO COMPLY WITH THE EROSION CONTROL REQUIREMENTS.
28.

THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

SOIL PROTECTION SCHEDULE

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING												
DORMANT SEEDING												
TEMPORARY SEEDING												
EROSION BLANKET / HYDROMULCH												

EROSION AND SEDIMENT CONTROL STRATEGY

1.

ERECT PERIMETER EROSION BARRIERS AND TEMPORARY FENCES AS SHOWN ON PLANS.
2.

INSTALL INLET FILTERS AS SHOWN ON THE PLANS.
3.

CLEAR AND GRUB, REMOVE EXISTING TREES AND BUSHES AS NECESSARY.
4.

INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
5.

STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET FOR PERMANENT STABILIZATION AS SHOWN ON THE PLANS.
6.

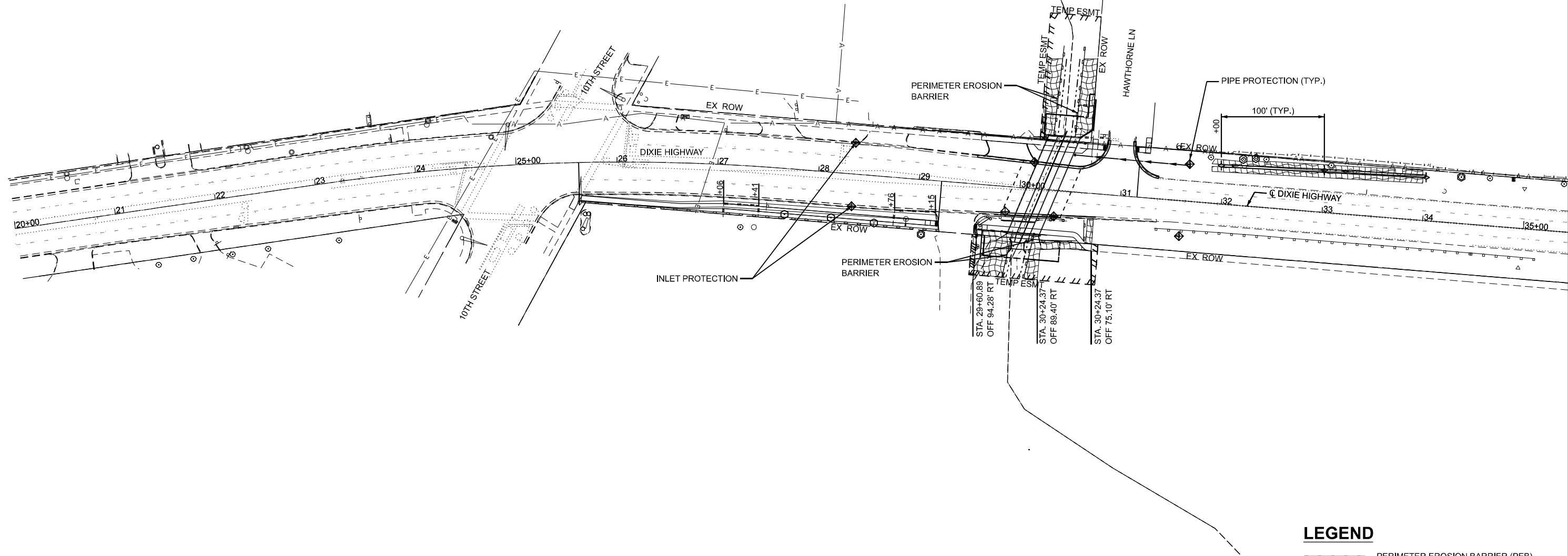
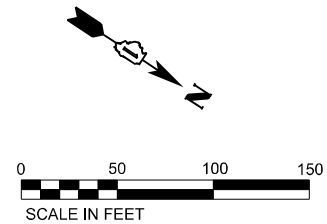
WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES.

HIGHWAY STANDARDS

280001-07 TEMPORARY EROSION CONTROL SYSTEMS

MODEL: EROSION GEN NOTES-1 [Sheet]
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ABNA DESIGN FIRM REG. 184.002117	USER NAME = aasyed	DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B EROSION AND SEDIMENT CONTROL NOTES	SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -						2843	FAU 2843 22 CR	COOK	57	13
	PLOT DATE = 9/18/2024	DATE - 08/22/24	REVISED -						CONTRACT NO. 62T84				
									ILLINOIS FED. AID PROJECT				



LEGEND

PERIMETER EROSION BARRIER (PEB)

TEMPORARY FENCE

TEMPORARY DITCH CHECK (TDC)

EROSION CONTROL BLANKET

INLET AND PIPE PROTECTION

TREE TRUNK PROTECTION

MODEL: EROS-PLAN 1
FILE NAME: J:\2022\6041-17\162184\CADD Data\Sheets\162184-erod-eros 50 SCALE.dgn

ABNA
DESIGN FIRM REG. 184.002117

USER NAME = galsailani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
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PLOT DATE = 4/30/2026	DATE - 04/02/2025	REVISED -

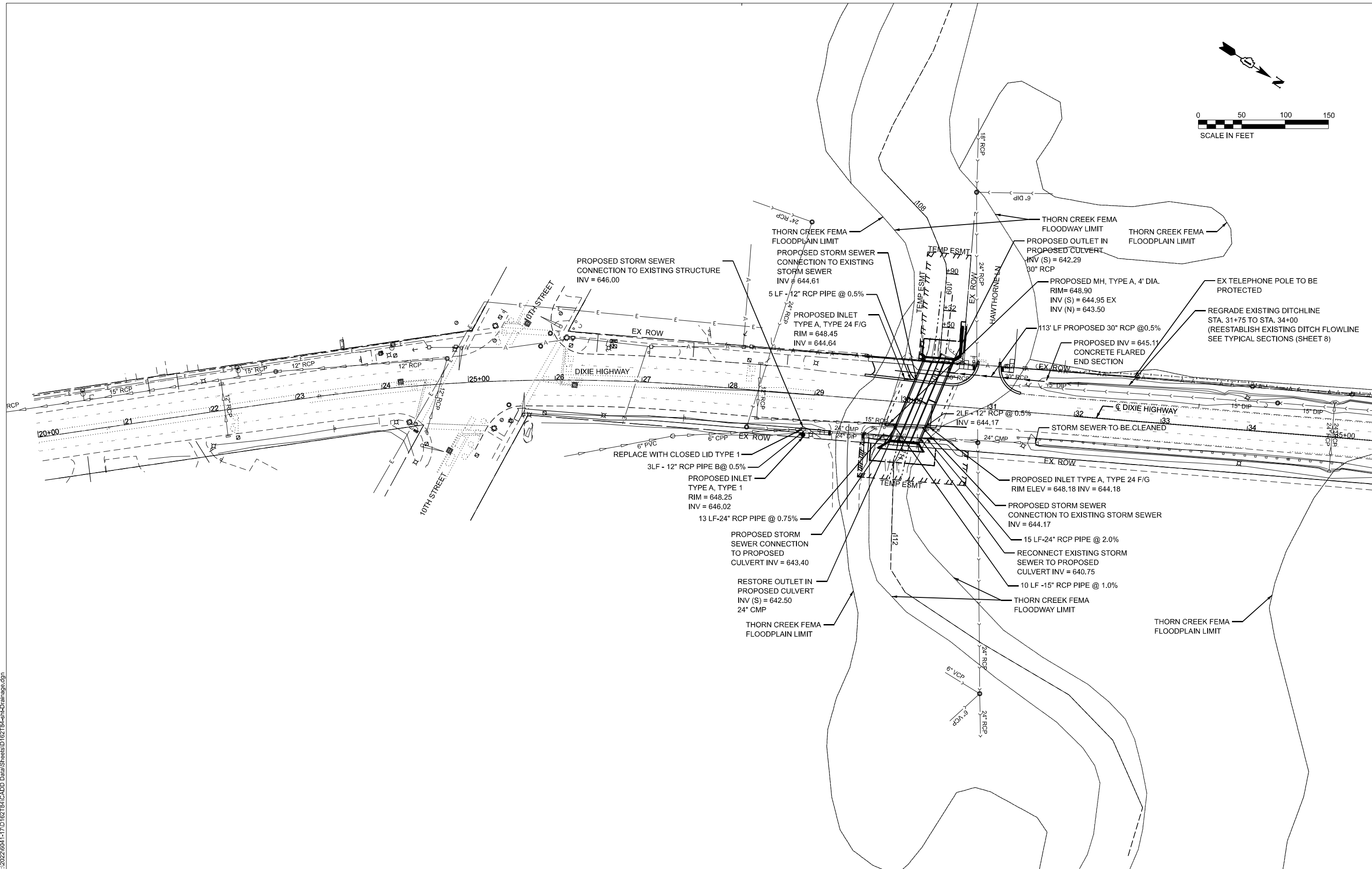
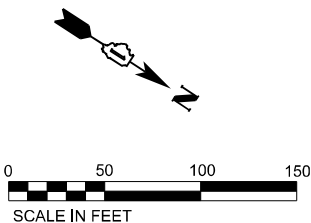
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50'	SHEET 2 OF 2 SHEETS	STA. 20+00.00 TO STA. 35+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	14
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR



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		DRAWN - ABD	REVISED -
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	PLOT DATE = 4/29/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DRAINAGE PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 20+00.00 TO STA. 35+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	15
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**SUBSURFACE UTILITY
ENGINEERING PLANS**

THIS PROJECT IS LOCATED IN THE CITY OF CHICAGO
HEIGHTS AND BLOOM TOWNSHIP IN COOK COUNTY

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY

PROJECT LIMITS



BLOOM TOWNSHIP

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

CONTRACT NO. 62T84



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

_____ REGIONAL ENGINEER

_____ 20 _____

_____ ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

_____ DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

MODEL: SUE PLAN-I [Sheet]
FILE NAME: J:\2022\6041-170\162T84\CADD Data\Sheets\162T84-sht-SUE PLANS.dgn

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		DRAWN - ABD	REVISED -						2843	FAU 2843 22 CR	COOK	57	16	
	PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -						CONTRACT NO. 62T84					
	PLOT DATE = 9/29/2025	DATE - 08/22/24	REVISED -		SCALE: 1"=50'				SHEET 3	OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



UTILITY INFORMATION DEPICTED IN COLOR WAS DERIVED FROM A SUE QUALITY LEVEL A AND B STUDY USING VARIOUS GEOPHYSICAL METHODS, PIPE AND CABLE LOCATORS, GROUND PENETRATING RADAR (GPR), AND VACUUM EXCAVATION EQUIPMENT WERE UTILIZED AS PART OF THE PROCESS TO DETERMINE THE HORIZONTAL AND VERTICAL POSITION OF THESE UTILITIES.

GENERAL NOTES:

PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE
SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND
APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.
QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS
AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO
APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND
UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING
THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

SANCHEZ HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

SANCHEZ DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

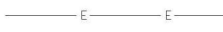
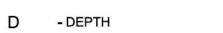
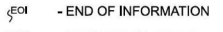
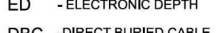
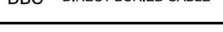
SANCHEZ's FIELD INVESTIGATION WAS PERFORMED 03/03/2025 THROUGH 03/07/2025. CHANGES TO UTILITIES AFTER 03/07/2025 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR QUALITY LEVEL A (QLA) AND B (QLB) STANDARDS

ALL UTILITIES DEPICTED IN COLOR ARE QUALITY LEVEL A (QLA) AND B (QLB) UNLESS NOTED OTHERWISE.

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UTILITY LEGEND:

	- AERIAL
	- UNKNOWN UTILITY
	- OIL (PETROLEUM)
	- CABLE TV
	- TELEPHONE
	- GAS
	- ELECTRIC
	- TRAFFIC SIGNAL/LIGHTING
	- WATER
	- FORCE MAIN
	- FIBER OPTIC
	- STORM SEWER
	- SANITARY SEWER
D - DEPTH	CI - CALCULATED INVERT
 - END OF INFORMATION	 - TEST HOLE
ED - ELECTRONIC DEPTH	TS - TRAFFIC SIGNAL
DBC - DIRECT BURIED CABLE	 - PROPOSED CONFLICT



Thomas M. Gody

SIGNATURE

03/24/2025

DATE _____

LICENSE EXPIRES 11/30/2025

BEARINGS AND DISTANCE ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,
EAST ZONE, NAD 83 (2011 ADJUSTMENT)

COMBINATION FACTOR: 0.99999156 NOTE: TO OBTAIN GROUND DISTANCE DIVIDE THE GRID DISTANCE SHOWN BY THE COMBINATION FACTOR.

IDOT W.O. 716



180 CROSSEN AVENUE,
ELK GROVE VILLAGE, IL. 60007
PHONE: 773-444-0144
FAX: 847-232-3104
DESIGN FIRM
REGISTRATION NO: 184-004601

SA 202315P

USER NAME = galsallani	DESIGNED = CT	REVISED =
	DRAWN = ABD	REVISED =
PLOT SCALE = \$\$CA\$	CHECKED = TPP	REVISED =
PLOT DATE = 4/23/2026	DATE = 08/22/24	REVISED =

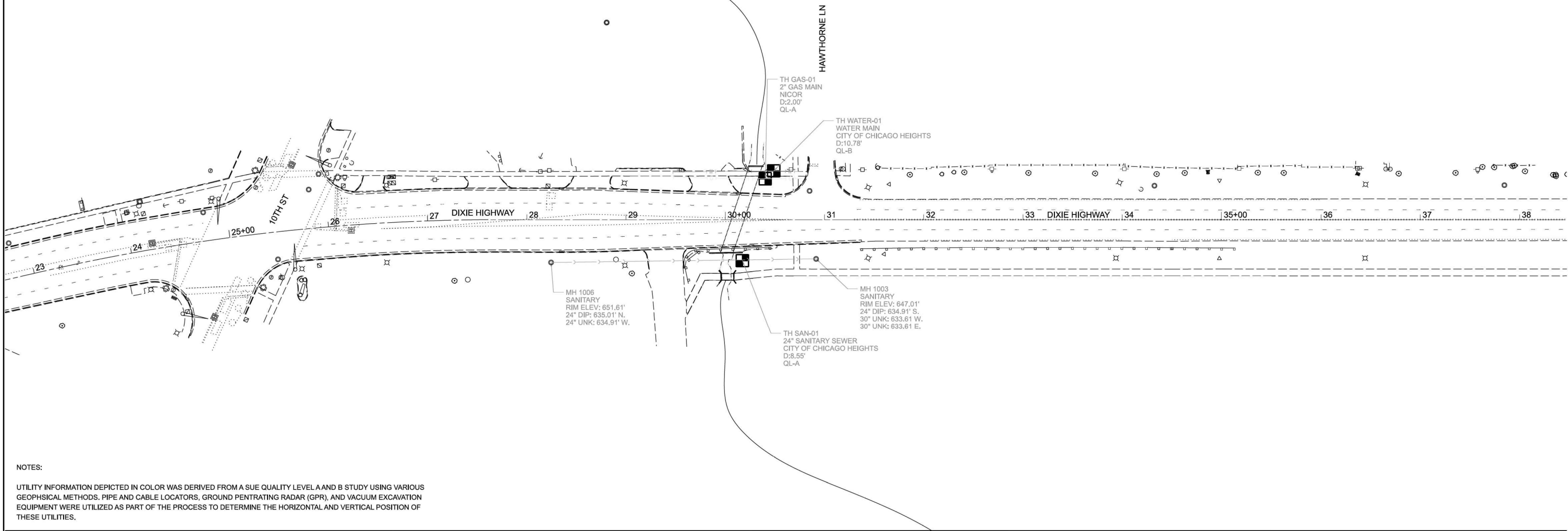
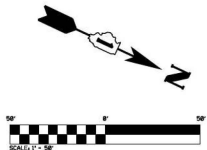
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
SUE PLAN-II**

[illegible]

- FAU 2843 22 CR

MODEL: SUE PLANS-2 [Sheet]
FILE NAME: J:\2022\6041-17\162T84\CADD Data\Sheets\162T84-sht-SUE PLANS.dgn



NOTES:

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- SANITARY SEWER
- CALCULATED INVERT
- TEST HOLE
- TRAFFIC SIGNAL
- PROPOSED CONFLICT
- DEPTH
- END OF INFORMATION
- ELECTRONIC DEPTH
- DIRECT BURIED CABLE



SIGNATURE

03/24/2025

DATE

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SA_202315P

USER NAME = galsallani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 4/23/2026	DATE - 08/22/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
SUE PLAN-III

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	18
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

Summary of Verified Utilities (Contract 62T84)

Test Hole Number	Calculated Conflict Number	Approximate Station	Date	Type of Utility	Utility Size (Nominal)	Utility Material	Cross Section	Utility Direction	Approximate Offset	Survey Point ID Number	Northing	Easting	Existing Ground Elevation	Top of Utility Field Depth (FT)	Elevation (Top of Utility)	Calculated Pipe Invert Elevation	Surface Type	Surface Thickness	SUE QUALITY LEVEL	Notes
GAS-01	NA	30+40	3/3/2025	Gas	2"	Metallic			41' LT of CL	1002	1766447.56	1172436.64	648.31	2.00	646.31	NA	Grass	NA	A	
SAN-01	NA	30+17	3/7/2025	Sanitary	24"	NA	NA		41' RT of CL	1004	1766461.85	1172521.09	645.19	8.55	636.64	NA	Grass	NA	A	Excavated to a depth 8.55' exposing a portion of the top of pipe. However, due to extreme water infiltration within the excavated hole, we were not able to fully expose the entire pipe. Size of pipe was determine by utilizing the air lance to probe the sides of the pipe.
WM-03	NA	30+49	3/7/2025	WATER MAIN	NA	NA	NA		49' LT of CL	1001	1766451.92	1172425.91	647.59	10.78	636.81	NA	Grass	NA	B	Unable to visually see the pipe due to extreme water infiltration within the excavated hole. However, by utilizing the air lance, we were able to probe the top and sides of what evidence suggest to be the water main. The depth recorded was consistent with electronic depth recorded at 11' +/- from utility locating equipment.

NOTES:

UTILITY INFORMATION DEPICTED IN COLOR WAS DERIVED FROM A SUE QUALITY LEVEL A AND B STUDY USING VARIOUS GEOPHYSICAL METHODS, PIPE AND CABLE LOCATORS, GROUND PENETRATING RADAR (GPR), AND VACUUM EXCAVATION EQUIPMENT WERE UTILIZED AS PART OF THE PROCESS TO DETERMINE THE HORIZONTAL AND VERTICAL POSITION OF THESE UTILITIES.

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

SANCHEZ HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT AREA.

SANCHEZ DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

SANCHEZ's FIELD INVESTIGATION WAS PERFORMED 03/03/2025 THROUGH 03/07/2025. CHANGES TO UTILITIES AFTER 03/07/2025 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR QUALITY LEVEL A (QLA) AND B (QLB) STANDARDS

ALL UTILITIES DEPICTED IN COLOR ARE QUALITY LEVEL A (QLA) AND B (QLB) UNLESS NOTED OTHERWISE.

ALL UTILITIES DEPECTED IN GRAY COLOR ARE FOR REFERENCE ONLY AND NOT SURVEYED BY SANCHEZ.

UTILITY LEGEND:

- AERIAL
- UNKNOWN UTILITY
- OIL (PETROLEUM)
- CABLE TV
- TELEPHONE
- GAS
- ELECTRIC
- TRAFFIC SIGNAL/LIGHTING
- WATER
- FORCE MAIN
- FIBER OPTIC
- STORM SEWER
- SANITARY SEWER
- D - DEPTH
- E - END OF INFORMATION
- ED - ELECTRONIC DEPTH
- DBC -DIRECT BURIED CABLE
- CI - CALCULATED INVERT
- TEST HOLE
- TS - TRAFFIC SIGNAL
- PROPOSED CONFLICT



Thomas M. Cody
SIGNATURE

03/24/2025
DATE

LICENSE EXPIRES 11/30/2025

BEARINGS AND DISTANCE ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)

COMBINATION FACTOR: 0.99999156 NOTE: TO OBTAIN GROUND DISTANCE DIVIDE THE GRID DISTANCE SHOWN BY THE COMBINATION FACTOR.

IDOT W.O. 716



180 CROSSEN AVENUE,
ELK GROVE VILLAGE, IL 60007
PHONE: 773-444-0144
FAX: 847-232-3104
DESIGN FIRM
REGISTRATION NO: 184-004601

SA 202315P

USER NAME = galsallani	DESIGNED - CT	REVISED -
DRAWN - ABD	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 4/23/2026	DATE - 08/22/24	REVISED -

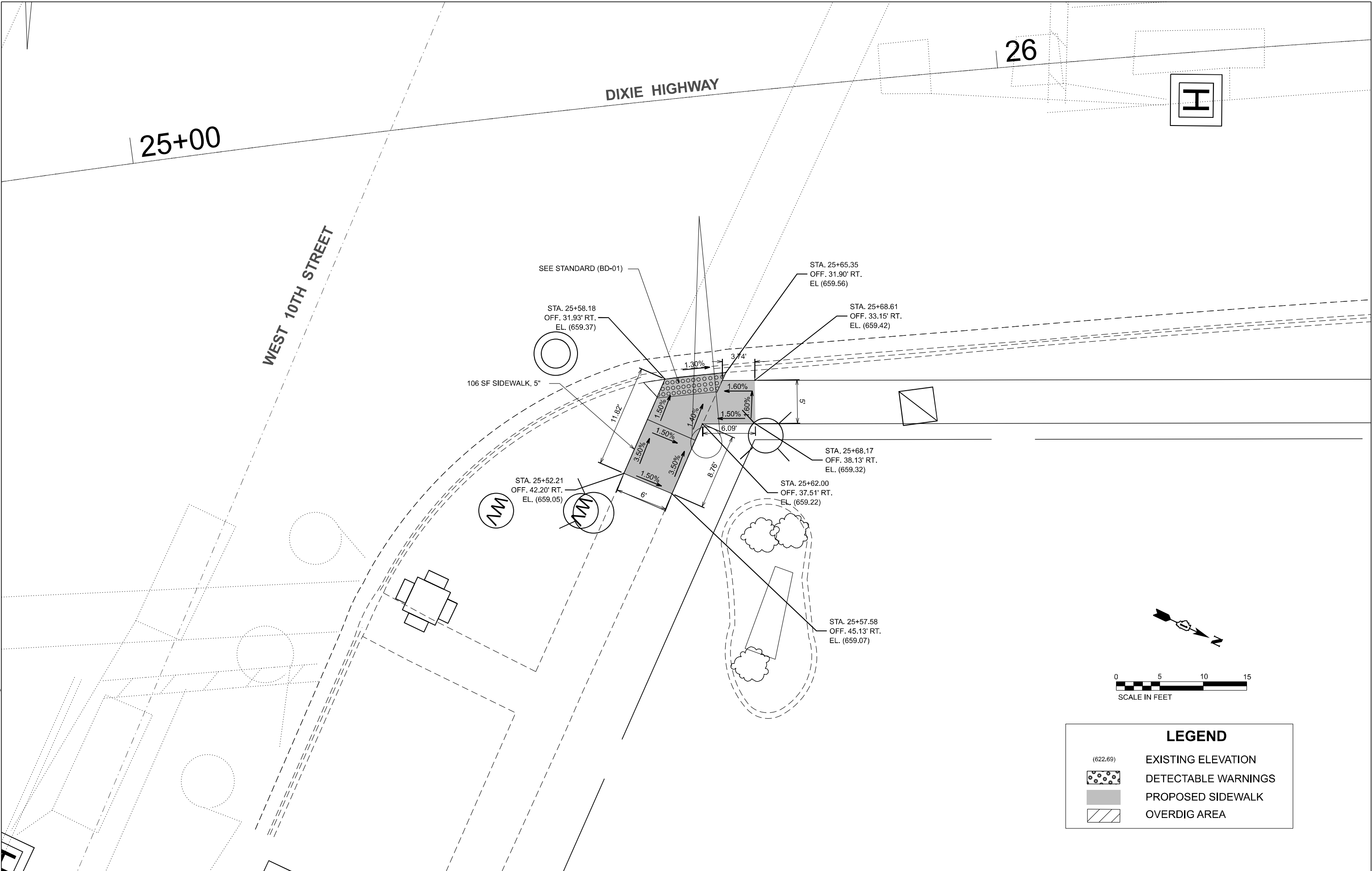
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
SUE PLAN-IV

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	19
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR



LEGEND

(622.69)

EXISTING ELEVATION

DETECTABLE WARNINGS

PROPOSED SIDEWALK

OVERDIG AREA

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	DRAWN - ABD	REVISED -
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PLOT DATE = 4/23/2026	DATE - 04/02/2025	REVISED -

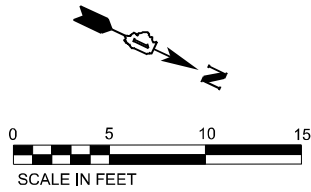
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
ADA SIDEWALK DETAILS

SCALE: 1"=5' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	20
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				
FAU 2843 22 CR				

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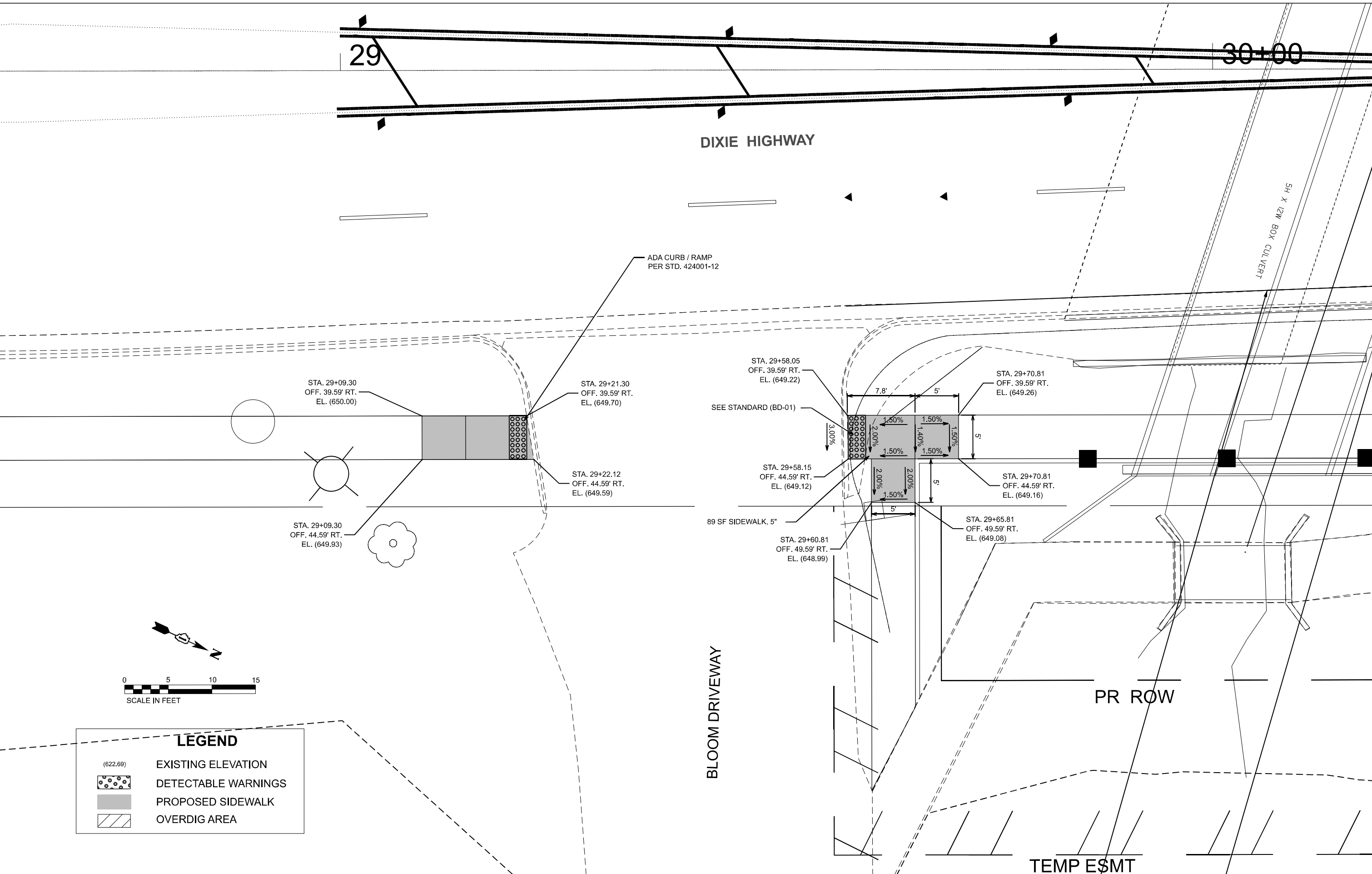
(622.69)

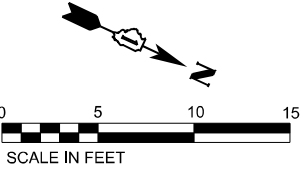
EXISTING ELEVATION

DETECTABLE WARNINGS

PROPOSED SIDEWALK

OVERDIG AREA





LEGEND

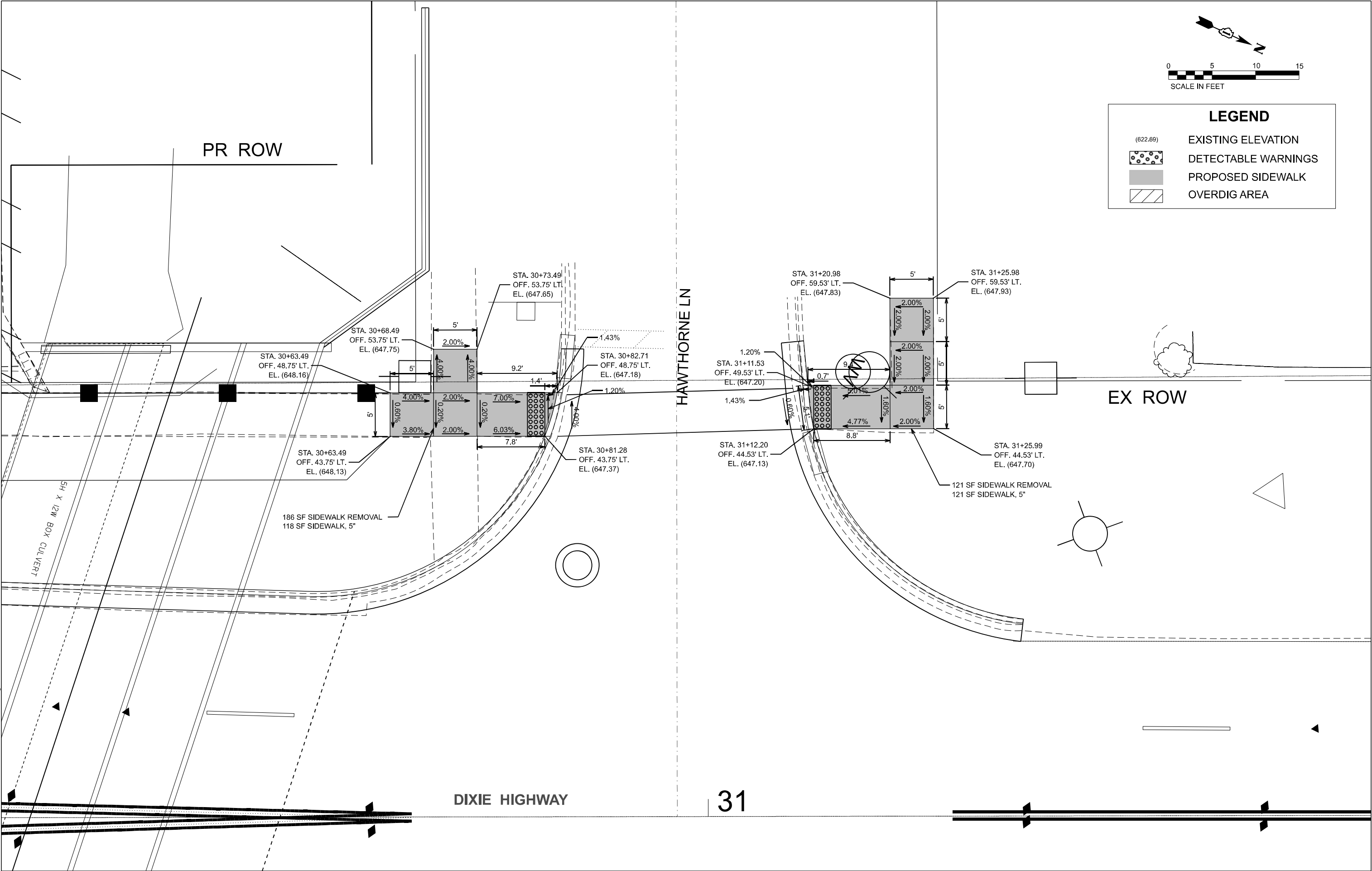
(622.69)

EXISTING ELEVATION

DETECTABLE WARNINGS

PROPOSED SIDEWALK

OVERDIG AREA



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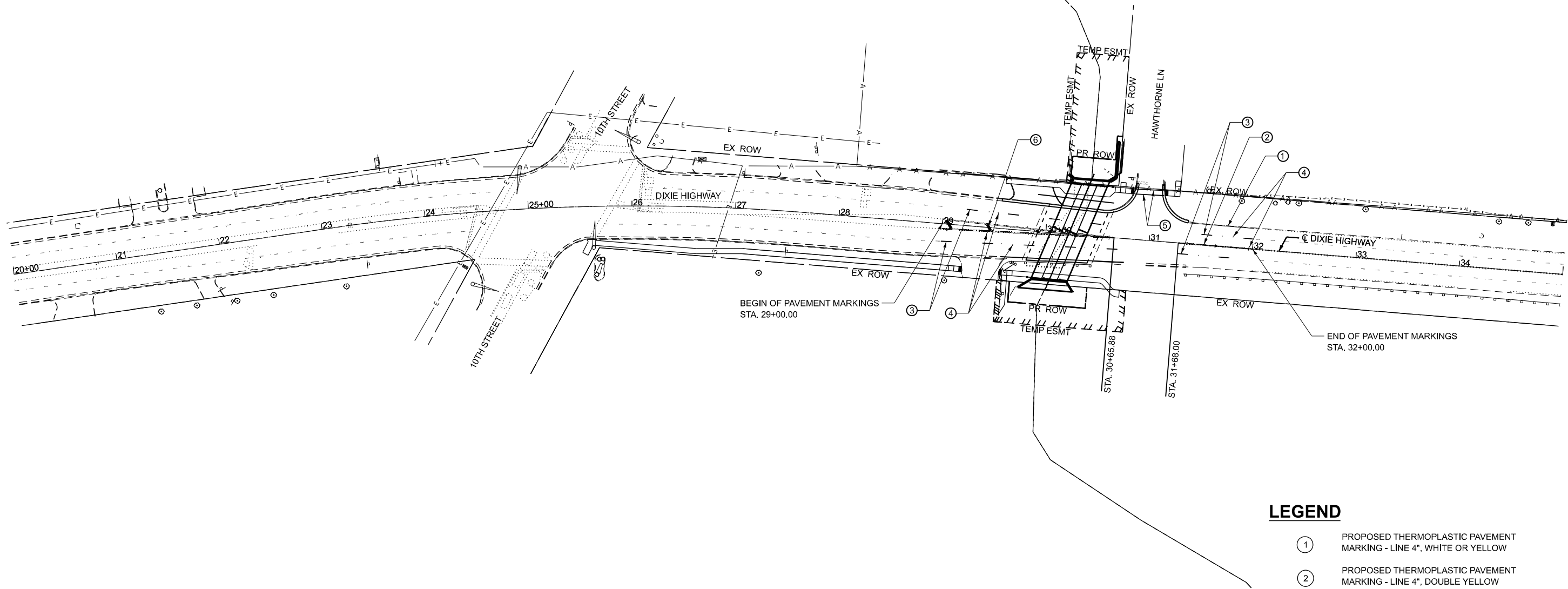
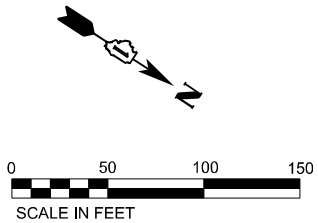


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PLOT DATE = 4/23/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B ADA SIDEWALK DETAILS			
SCALE: 1"=5'	SHEET 4	OF 3 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	22
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				
FAU 2843 22 CR				



NOTE:
REFER TO DISTRICT 1 STANDARD TC-11 FOR
PLACEMENT OF RAISED PAVEMENT MARKERS.

LEGEND

- 1 PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE OR YELLOW
- 2 PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW
- 3 PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP DASH, 30' SKIP 10' DASH
- 4 PROPOSED RAISED REFLECTORS
- 5 PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE
- 6 PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL YELLOW

MODEL: PMK-PLAN1
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	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 4/29/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
PAVEMENT MARKING PLAN

SCALE: ##### SHEET 1 OF 1 SHEETS STA. 20+00.00 TO STA. 35+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	23
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

Existing Structure: A single 12' W x 5' H cell concrete box culvert (S.N. 016-0926) located just south of Hawthorne Ln. The culvert construction date and section is unknown. The culvert will be replaced with a triple box culvert (S.N. 016-8321) comprised of a 12' W x 7' H main cell and 8'W x 7'H flanking cells, with all cells embedded 1' and the two flanking cells include a wier wall at the upstream face.

Traffic to be detoured during construction.

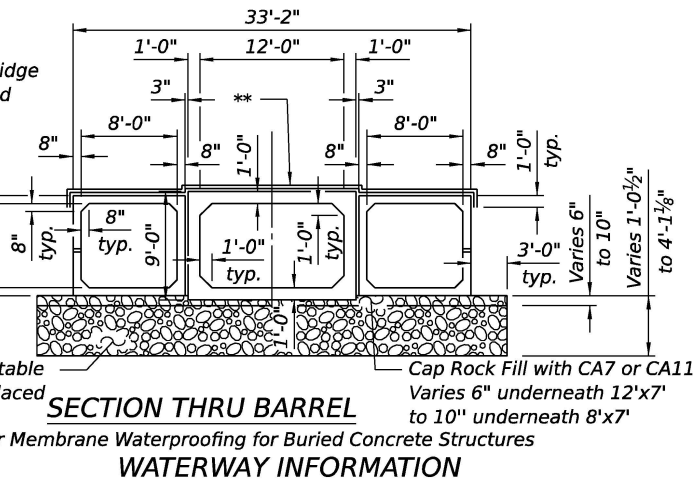
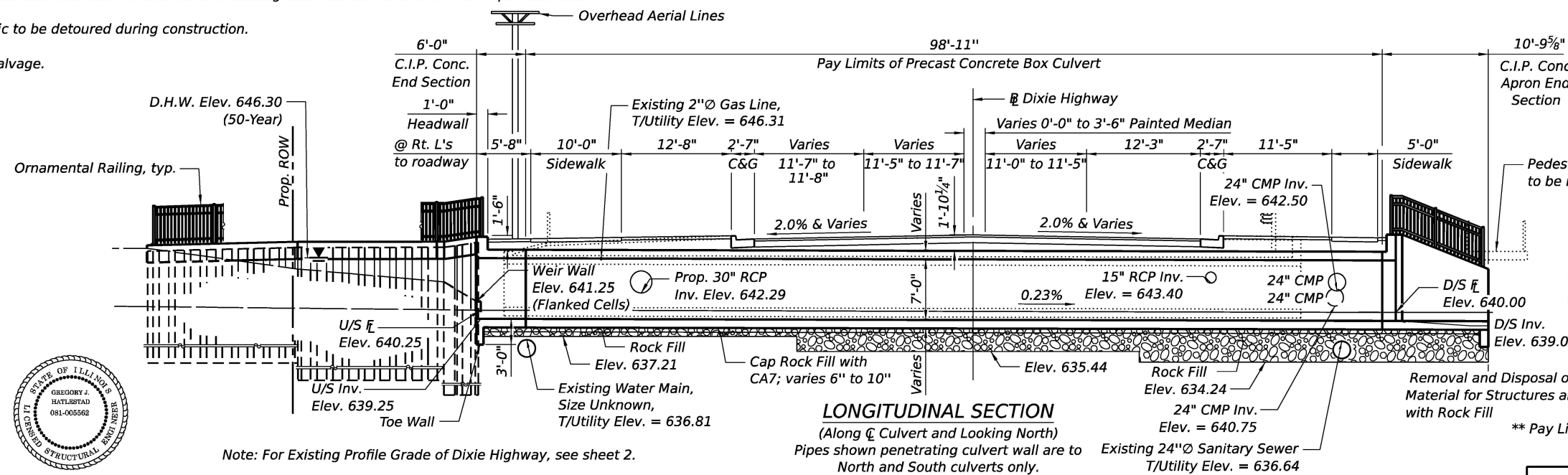
No salvage.

Allow 50#/sq. ft. for future
wearing surface.

2024 AASHTO LRFD Bridge Design
Specifications, 10th Edition

(Retaining Wall)
FIELD UNITS
 $f'c = 3,500 \text{ psi (Wall Cap)}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$
 $f_y = 50,000 \text{ psi (Sheet Piling -}$
 $\text{ASTM A572 Grade 50)}$

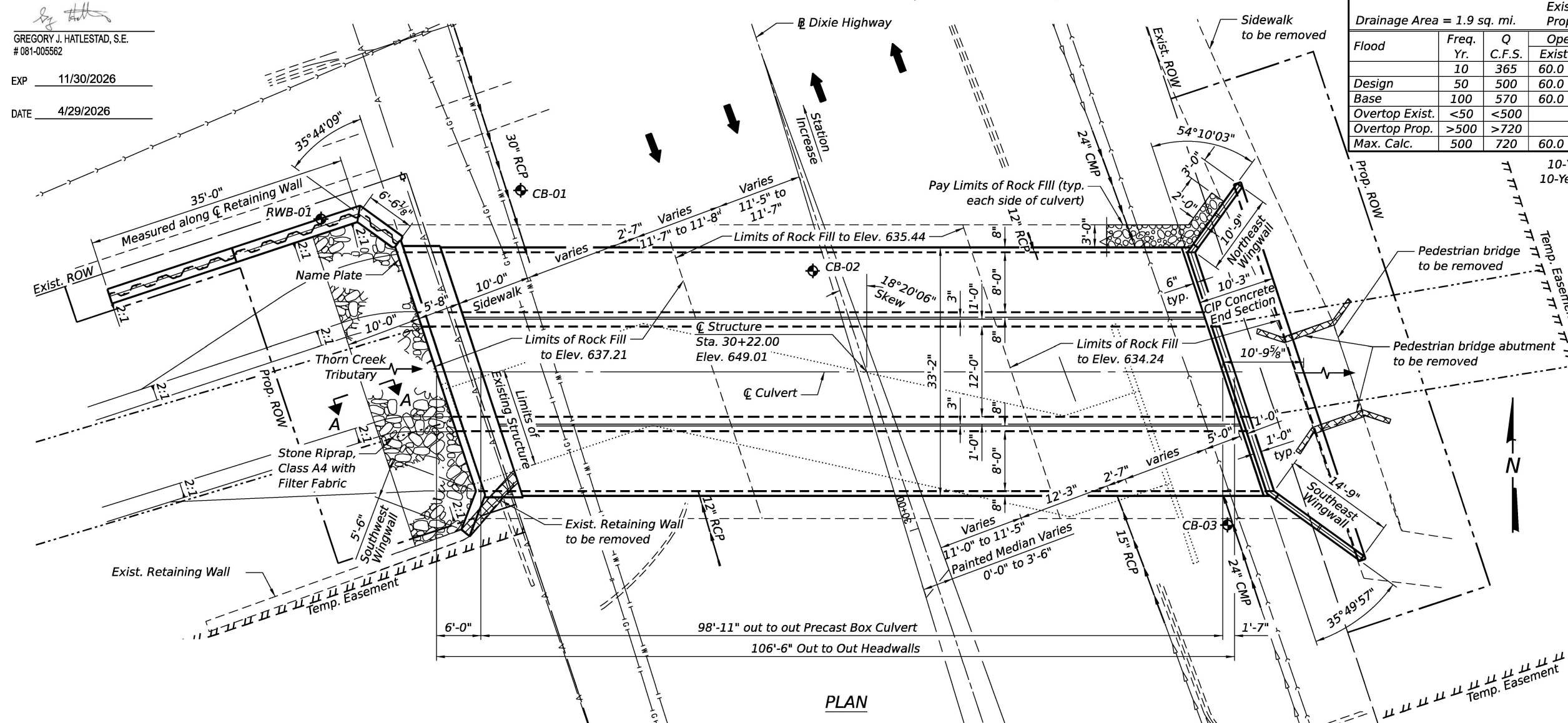
(Culvert)
FIELD UNITS
 $f'c = 3,500 \text{ psi}$
 $fy = 50,000 \text{ psi (M270 Gr. 50)}$
 $fy = 60,000 \text{ psi (Reinforcement)}$
PRECAST UNITS
 $f'c = 5,000 \text{ psi}$
 $fy = 65,000 \text{ psi (Welded Wire Reinforcement)}$



GREGORY J. HATLESTAD, S.E.
081-005562

EXP 11/30/2026

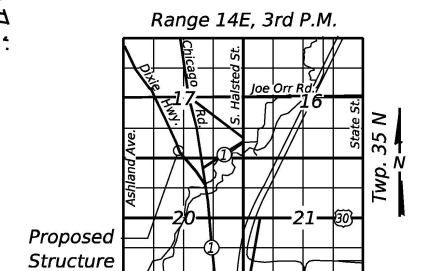
DATE 4/29/2026



Drainage Area = 1.9 sq. mi.			Exist. Overtopping Elev. 647.80 at Sta. 34+97.44 Prop. Overtopping Elev. 647.80 at Sta. 34+97.44						
Flood	Freq.	Q	Opening Ft²		Nat.	Head - Ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	10	365	60.0	139.0	645.9	0.9	0.0	646.8	645.9
Design	50	500	60.0	152.0	646.3	1.8	0.0	648.1	646.3
Base	100	570	60.0	152.0	646.5	1.5	0.1	648.0	646.6
Overtop Exist.	<50	<500							
Overtop Prop.	>500	>720							
Max. Calc.	500	720	60.0	152.0	646.9	1.3	0.2	648.2	647.1

10-Year Velocity through Existing Structure = 6.1 ft/s
10-Year Velocity through Proposed Structure = 2.6 ft/s
2-Yr. Flow Rate = 225 ft³/s

 Soil Boring
 Exist. Underground Sanitary Sewer
 Exist. Storm Sewer
 Prop. Storm Sewer
 Exist. Underground Water
 Exist. Underground Gas line
 Exist. Aerial Lines

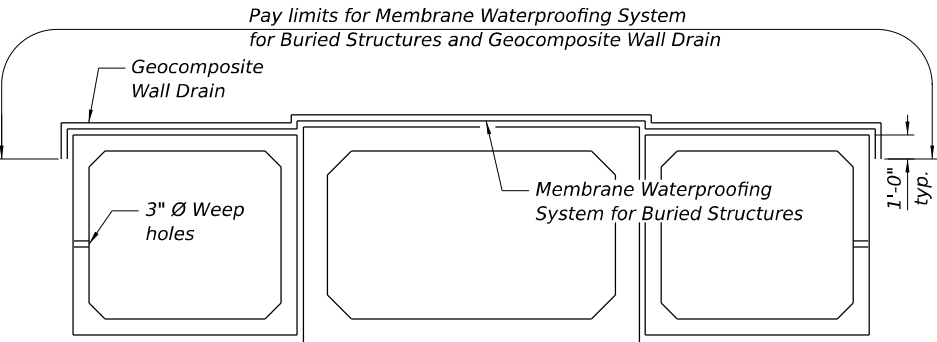


GENERAL PLAN & ELEVATION
DIXIE HIGHWAY OVER
THORN CREEK TRIBUTARY
FAU 2843 22 CR
COOK COUNTY
STATION 30+22.00
STRUCTURE NO. 016-8321

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	24
		CONTRACT NO. 62T84		
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

1. Exposed concrete edges shall have a 3/4" chamfer unless otherwise noted.
2. Layout of the stone riprap/slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
3. Areas of excavation required for construction of the new culvert shall be backfilled with Porous Granular Embankment up to the top of slab elevation.
4. The required depth of removal and replacement of unsuitable materials may be adjusted by the Engineer to account for variable subsurface conditions.
5. Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. The design fill height for this box is 1.89 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
8. Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
9. Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
10. Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
11. The Rock Fill shall be capped with 6 in. of CA7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for Rock Fill.

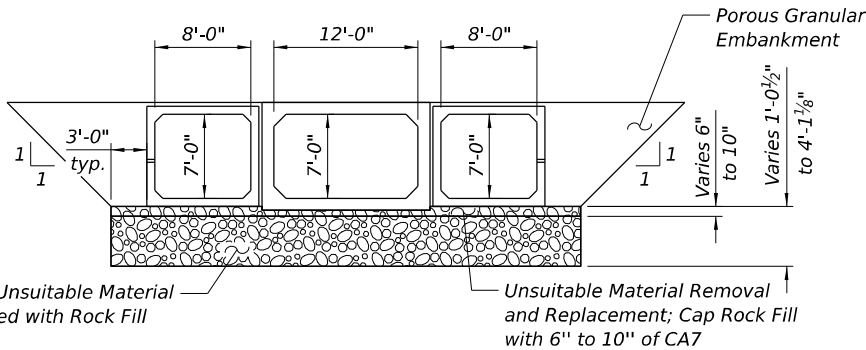


MEMBRANE WATERPROOFING FOR BURIED STRUCTURES AND GEOCOMPOSITE WALL DRAIN DETAIL

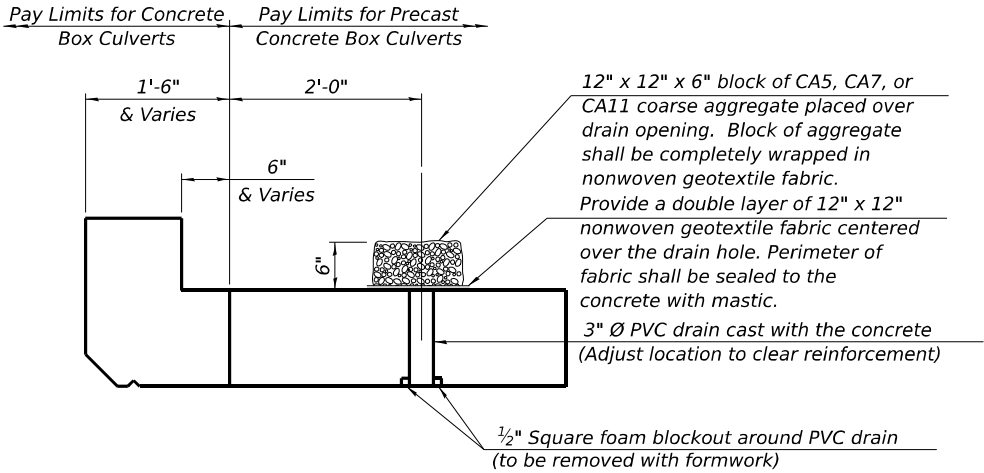
Note:
Geocomposite Wall Drain shall be according to Article 591 of the Standard Specifications except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Data
- 3 Downstream End Section Details I
- 4 Downstream End Section Details II
- 5 Downstream End Section Details III
- 6 Upstream End Section Details I
- 7 Upstream End Section Details II
- 8 Retaining Wall General Plan & Elevation
- 9 Retaining Wall Details
- 10 Ornamental Railing Details
- 11 Soil Boring Logs I
- 12 Soil Boring Logs II



SECTION THRU BOX CULVERT
POROUS GRANULAR EMBANKMENT & ROCK FILL DETAIL
BOX CULVERT BACKFILLING DETAIL



DRAIN DETAIL AT DOWNSTREAM END

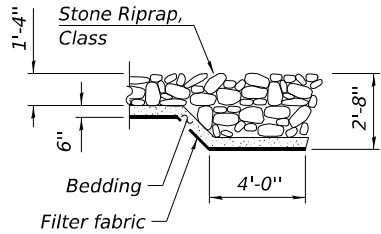
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

TOTAL BILL OF MATERIAL

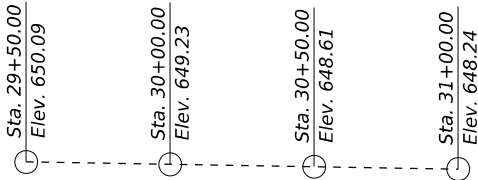
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	508
Stone Riprap, Class A4	Sq. Yd.	50
Filter Fabric	Sq. Yd.	50
Removal of Existing Structures No. 1	Each	1
Removal of Existing Structures No. 2	Each	1
Structure Excavation	Cu. Yd.	1,648
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	457
Stud Shear Connectors	Each	116
Reinforcement Bars	Pound	10,190
Reinforcement Bars, Epoxy Coated	Pound	900
Name Plates	Each	1
Permanent Sheet Piling	Sq. Ft.	875
Concrete Structures (Retaining Wall)	Cu. Yd.	6.2
Concrete Box Culverts	Cu. Yd.	65.5
Precast Concrete Box Culverts 8' x 7'	Foot	198
Precast Concrete Box Culverts 12' x 7'	Foot	99
Geocomposite Wall Drain	Sq. Yd.	416
Ornamental Railing	Foot	143
Membrane Waterproofing System for Buried Structures	Sq. Yd.	416
Rock Fill	Cu. Yd.	457

STATION 30+22.00
BUILT BY
STATE OF ILLINOIS
FAU 2843 CR
LOADING HL-93
STRUCTURE NO. 016-8321

NAME PLATE
See Std. 515001



SECTION A-A

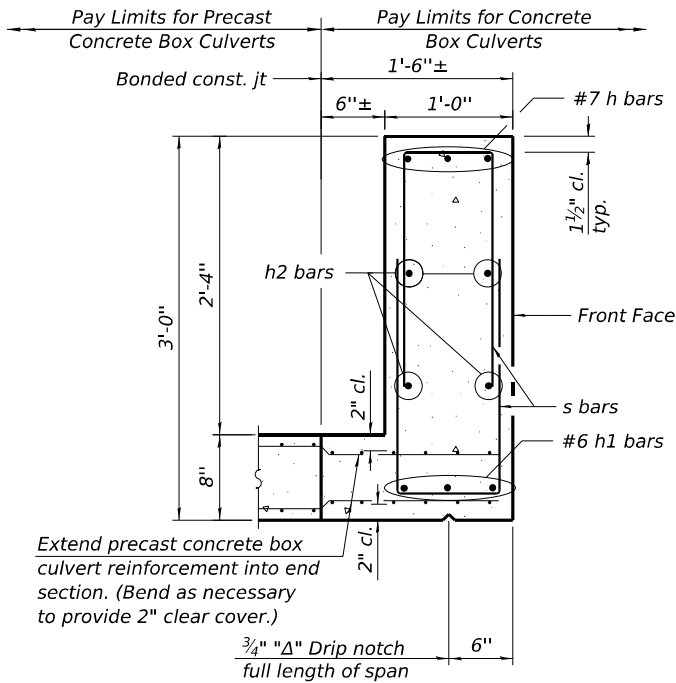


PROFILE GRADE
(along existing R Dixie Highway)

MODEL: Sheet
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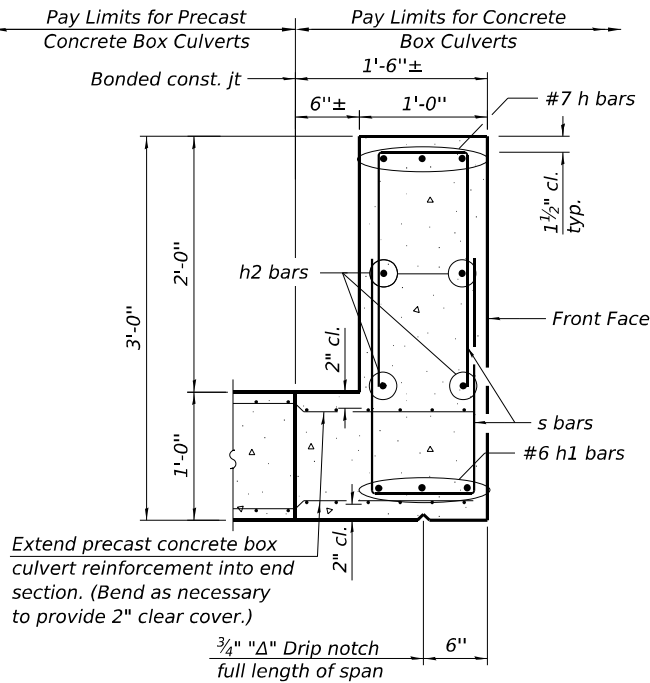
 CZAPLICKI LOPEZ, PLLC 201 KENMARE DRIVE BURR RIDGE, ILLINOIS 60527 630-415-8861 DESIGN FIRM NO: 184,008135	USERNAME = KatelynKompare		DESIGNED - KLK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 016-8321		FAU RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
			CHECKED - GJH	REVISED -				2843	FAU 2843 22 CR		COOK	57	25
	PLOT SCALE = \$SCALE\$		DRAWN - RMH	REVISED -				CONTRACT NO. 62T84					
	PLOT DATE =		CHECKED - GJH	REVISED -				ILLINOIS FED. AID PROJECT					
SHEET 2 OF 12 SHEETS													

MODEL: Plan
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CZAPLUCKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184,008135



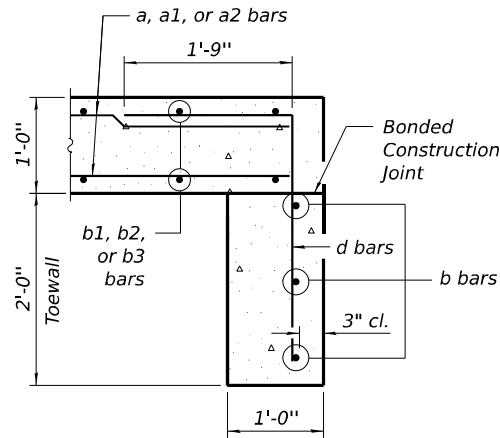
SECTION B-B

(Top slab at downstream end)

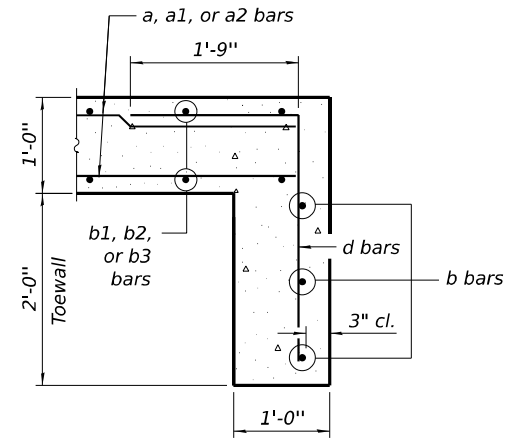


SECTION C-C

(Top slab at downstream end)



SECTION D-D



ALT. SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.

NOTES

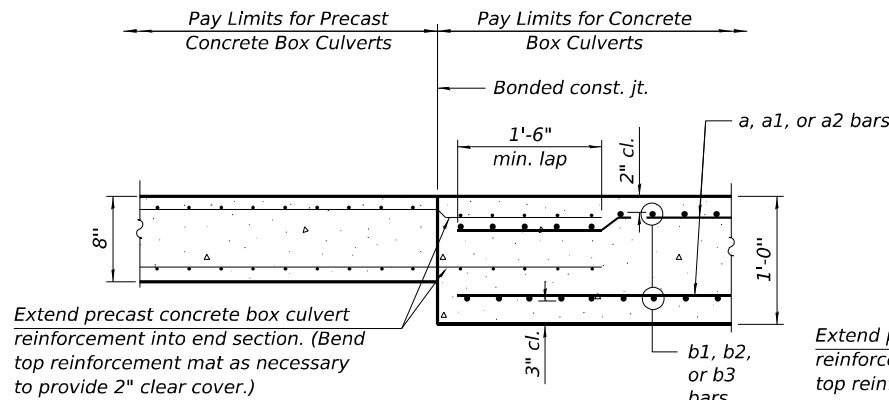
Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

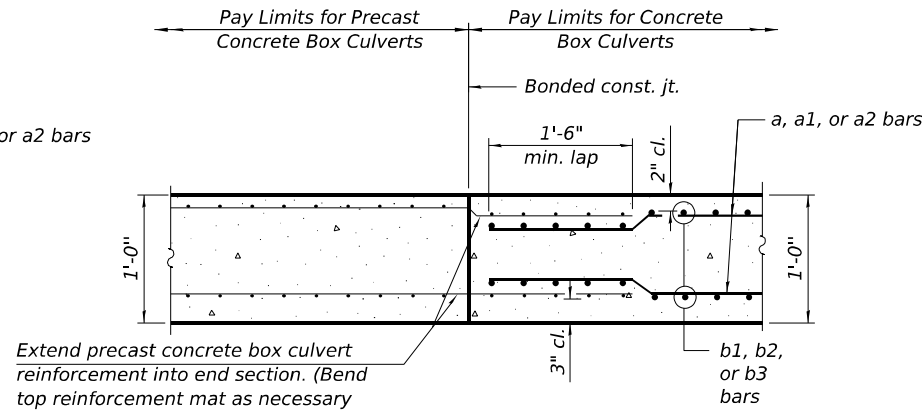
Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



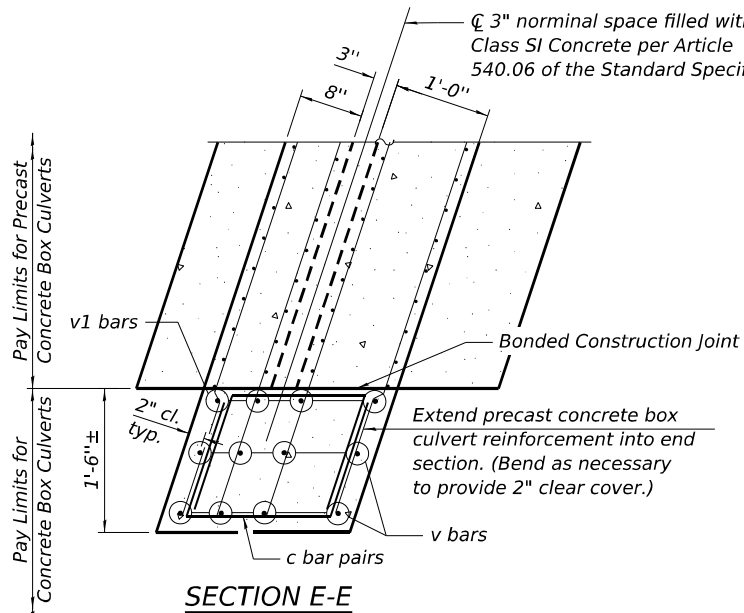
SECTION B-B

(Bottom slab)

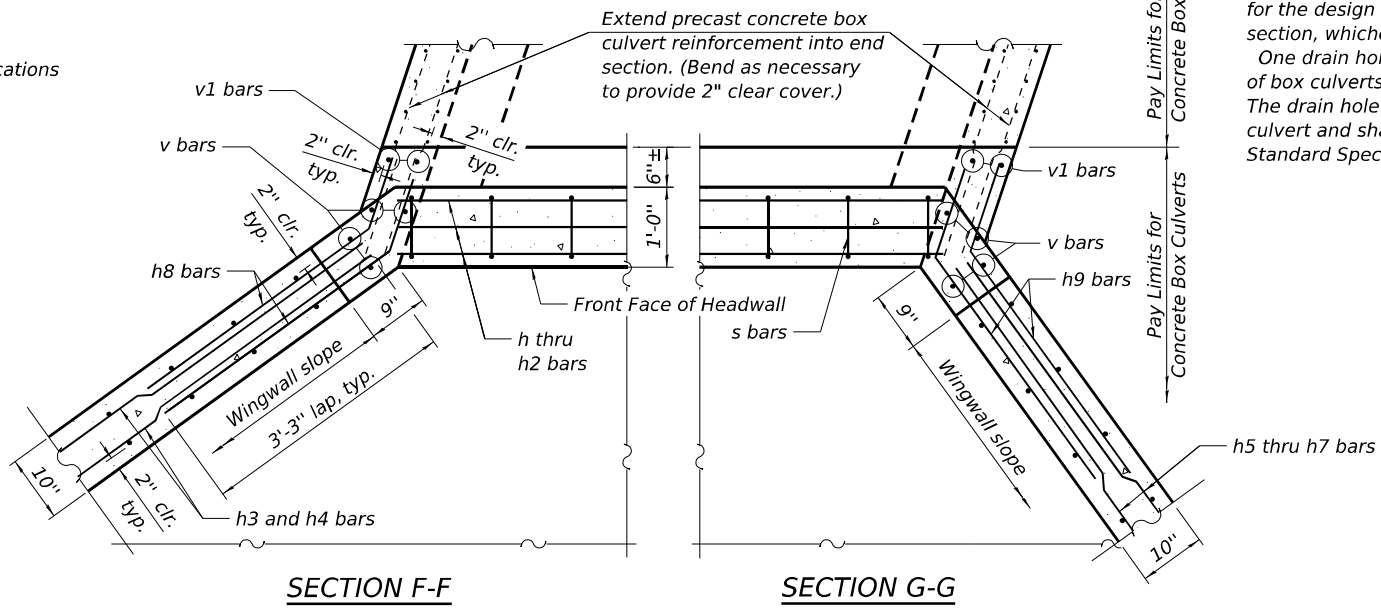


SECTION C-C

(Bottom slab)



SECTION E-E



SECTION F-F

SECTION G-G

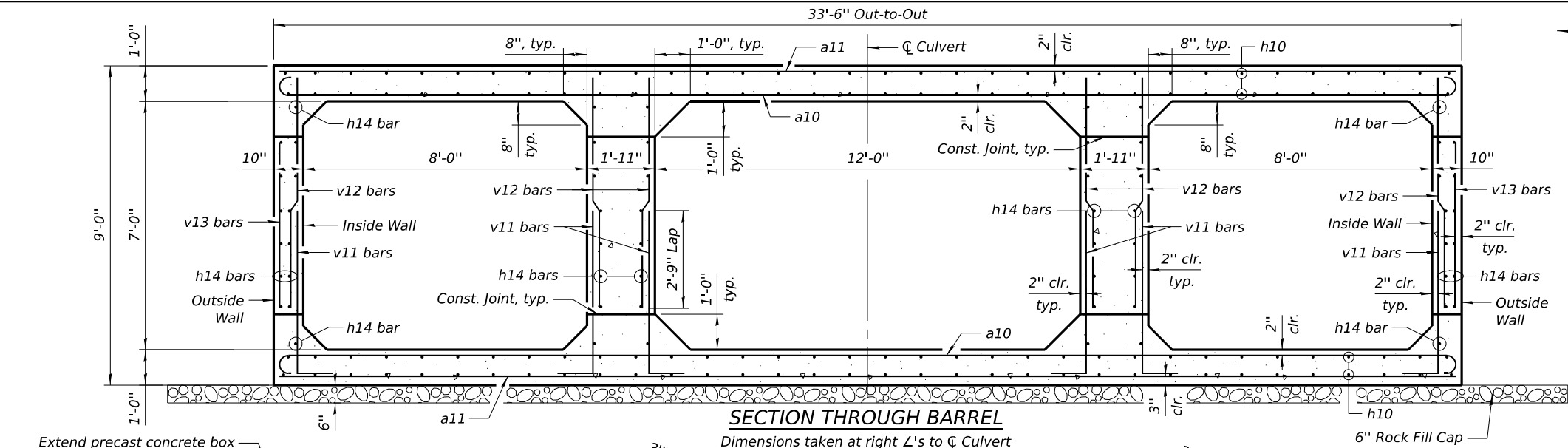
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNSTREAM END SECTION DETAILS II
STRUCTURE NO. 016-8321

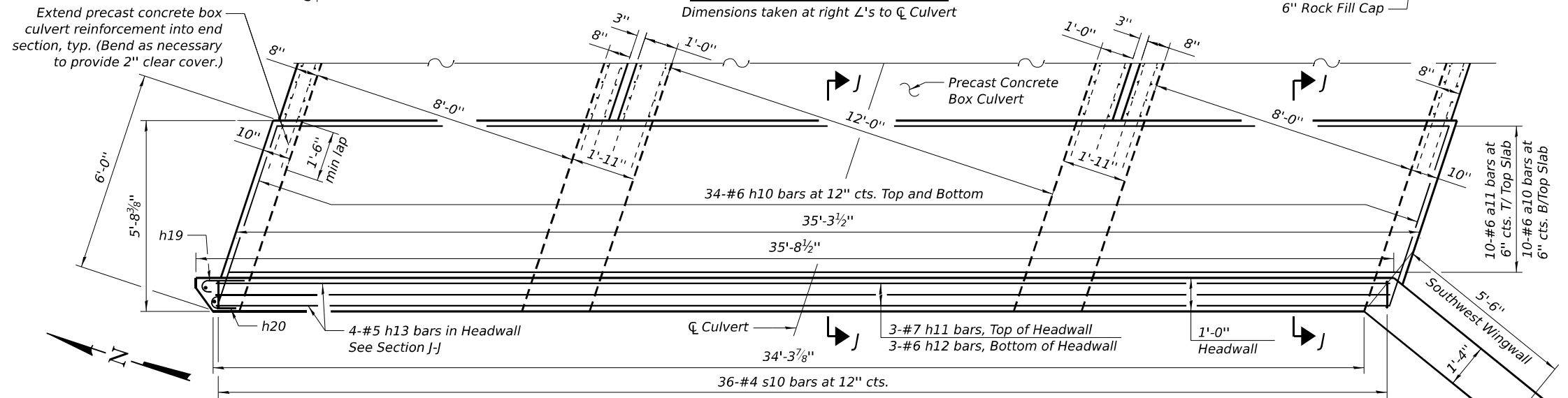
SHEET 4 OF 12 SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	27
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

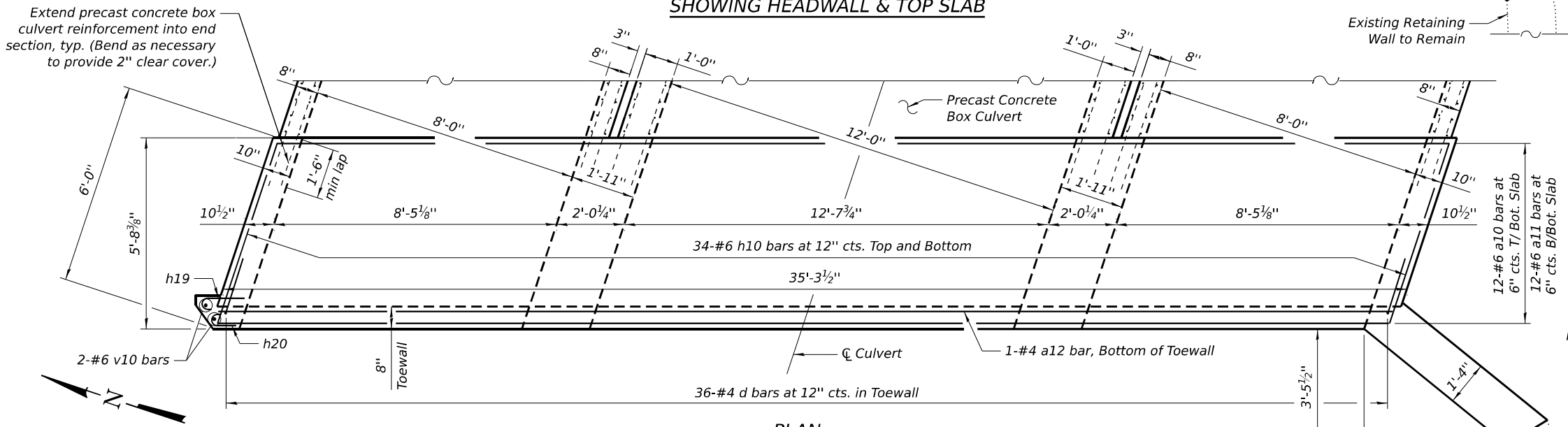
MODEL: Plan
FILE NAME: C:\Users\Katelyn\Kcompare\Czaplicki Lopez, PLLC\24008 IDOT PTB 2024-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\016832-142T84-006-US End Section Details I.dgn
CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184,008135



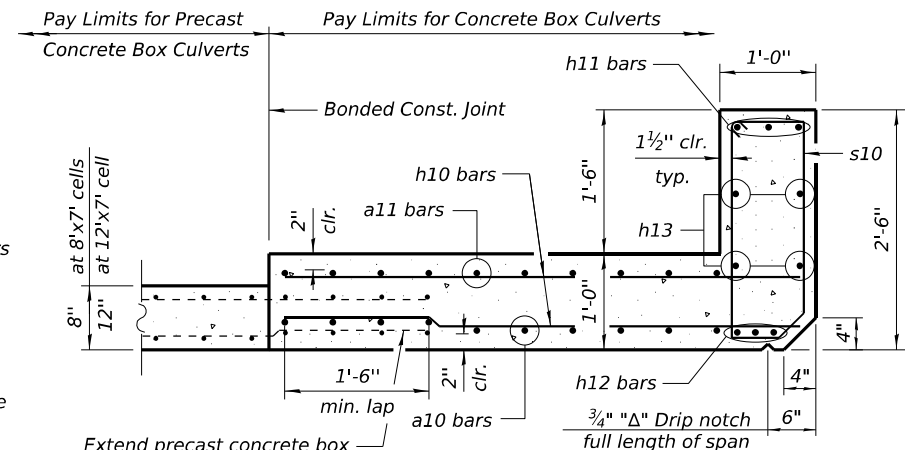
SECTION THROUGH BARREL
Dimensions taken at right L's to CL Culvert



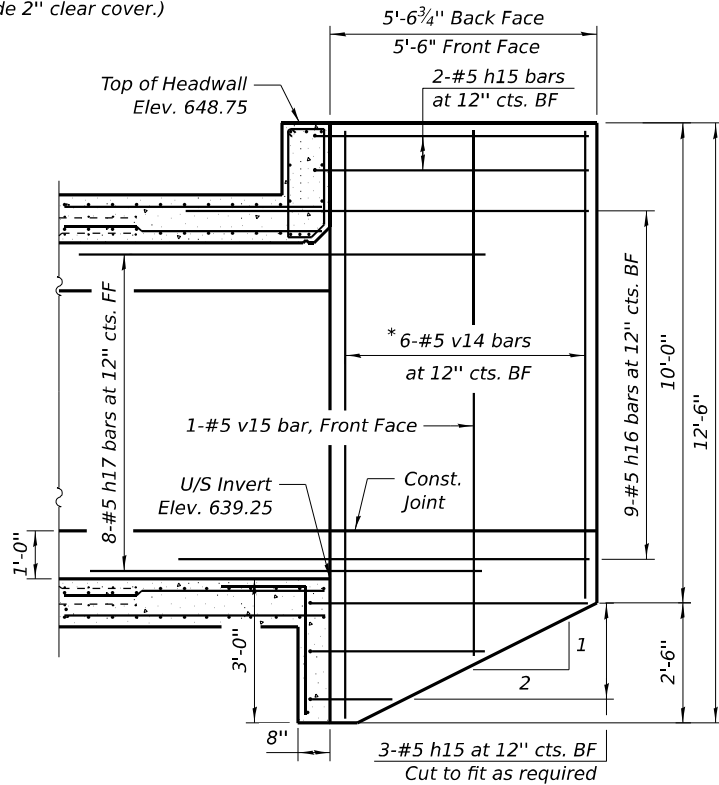
**PLAN
SHOWING HEADWALL & TOP SLAB**



**PLAN
SHOWING TOEWALL & BOTTOM SLAB**
(Weir wall not shown for clarity)

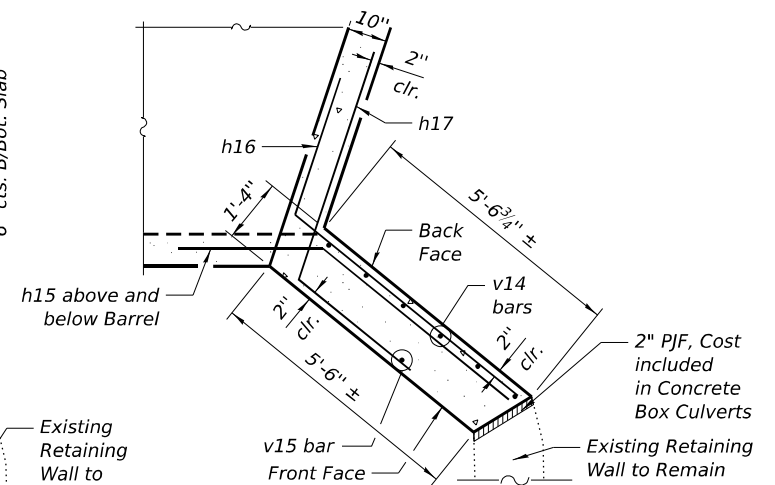


SECTION J-J



SW WINGWALL ELEVATION

* See Field Cutting Diagram on Sheet 7.



SW WINGWALL PLAN

Note:
For Bar Bending Diagrams, Longitudinal Wall
Sections, and Bill of Material, see Sheet 7.

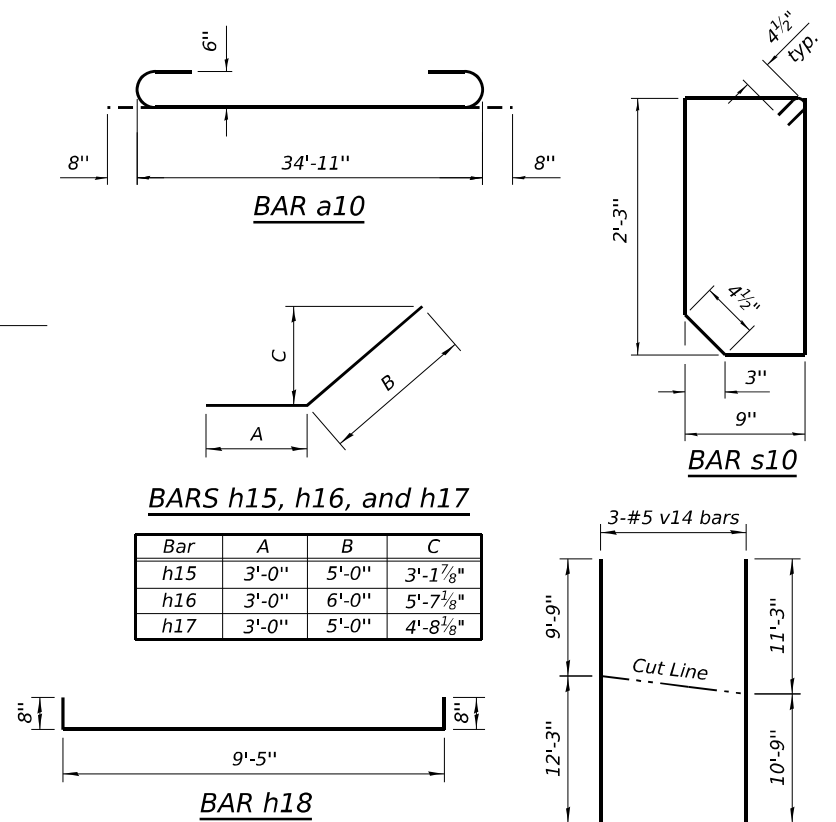
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UPSTREAM END SECTION DETAILS I
STRUCTURE NO. 016-8321**

SHEET 6 OF 12 SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	29
CONTRACT NO. 62T84				

ILLINOIS FED. AID PROJECT



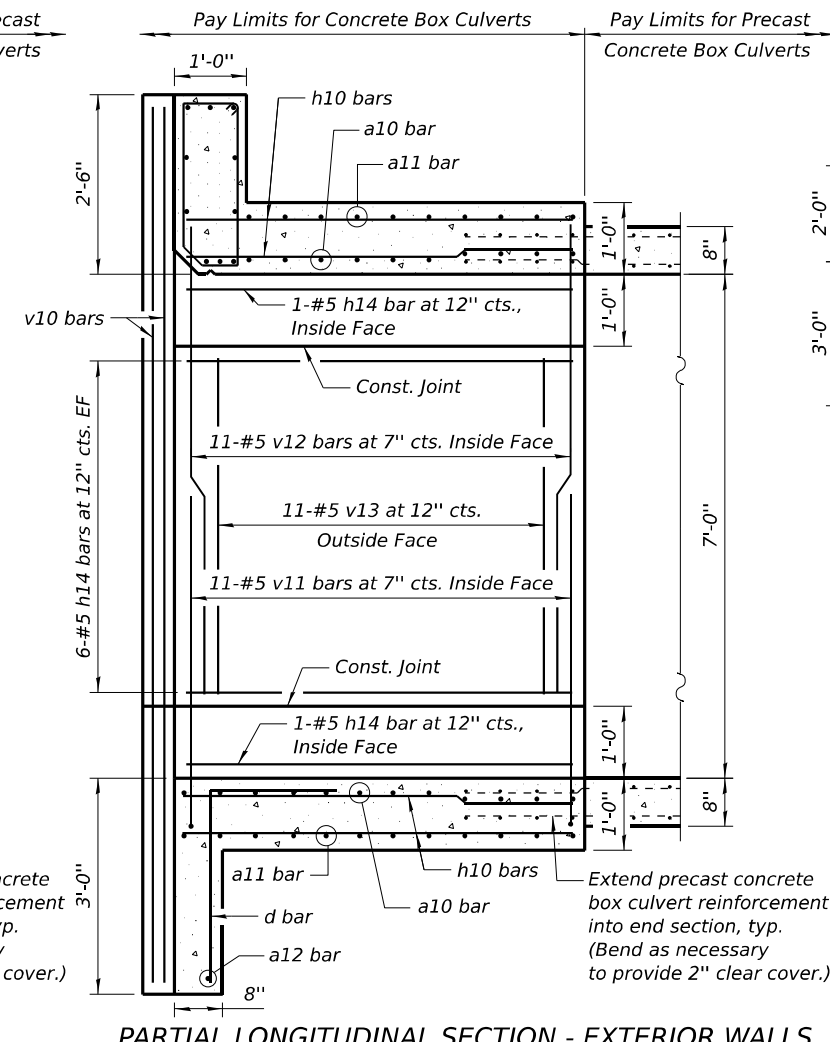
FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in other half of wall.

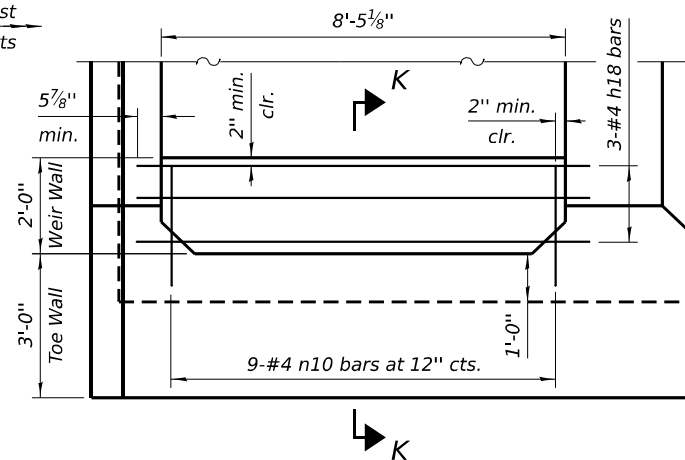
UPSTREAM END SECTION

BILL OF MATERIAL

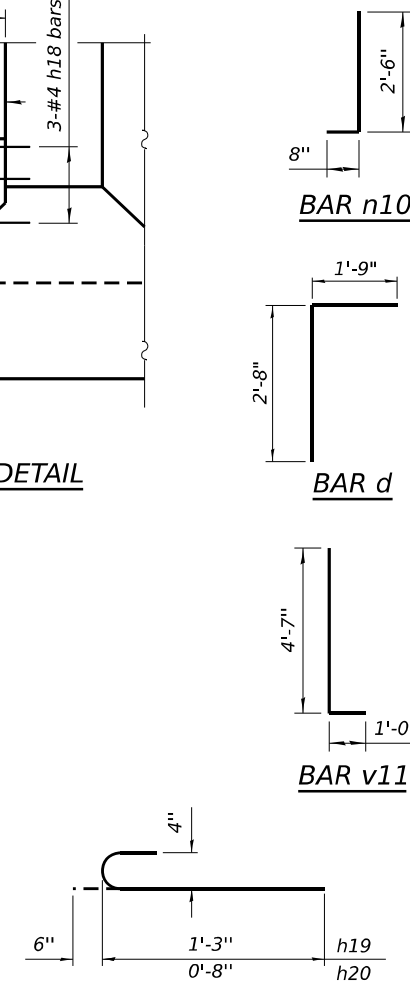
Bar	No.	Size	Length	Shape
a10	22	#6	36'-3"	
a11	22	#6	34'-11"	
a12	1	#4	35'-0"	
d	36	#4	4'-5"	
h10	136	#6	5'-8"	
h11	3	#7	35'-0"	
h12	3	#6	35'-0"	
h13	4	#5	35'-0"	
h14	60	#5	5'-8"	
h15	5	#5	8'-0"	
h16	9	#5	9'-0"	
h17	8	#5	8'-0"	
h18	6	#4	10'-9"	
h19	13	#4	1'-9"	
h20	13	#4	1'-2"	
n10	18	#4	3'-2"	
s10	36	#4	6'-8"	
v10	2	#6	12'-2"	
v11	66	#5	5'-7"	
v12	66	#5	6'-6"	
v13	22	#5	4'-8"	
v14	3	#5	22'-0"	
v15	1	#5	10'-11"	
Item			Unit	Quantity
Concrete Box Culverts			Cu. Yd.	32.0
Reinforcement Bars			Pound	6,030



TYPICAL WEIR REINFORCEMENT DETAIL

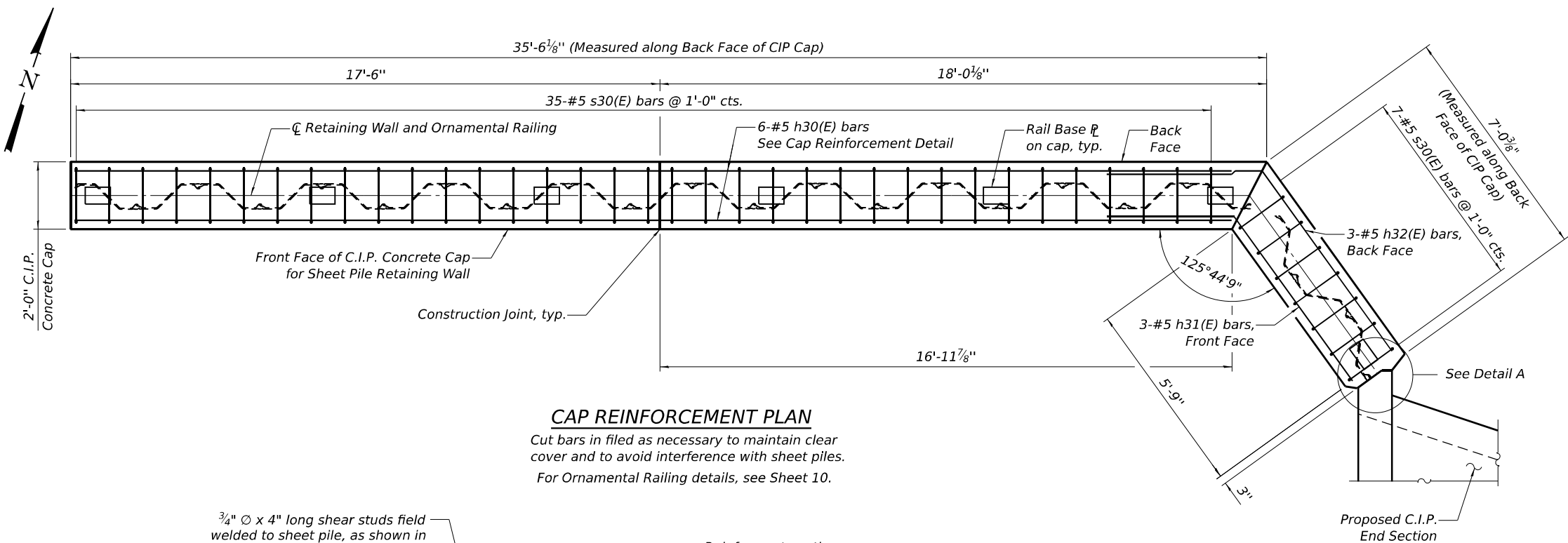


SECTION K-K



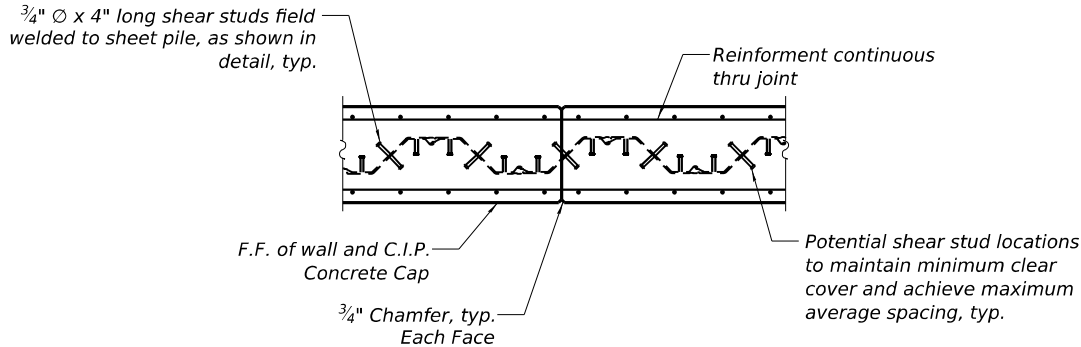
BARS h19 and h20

MODEL: Plan
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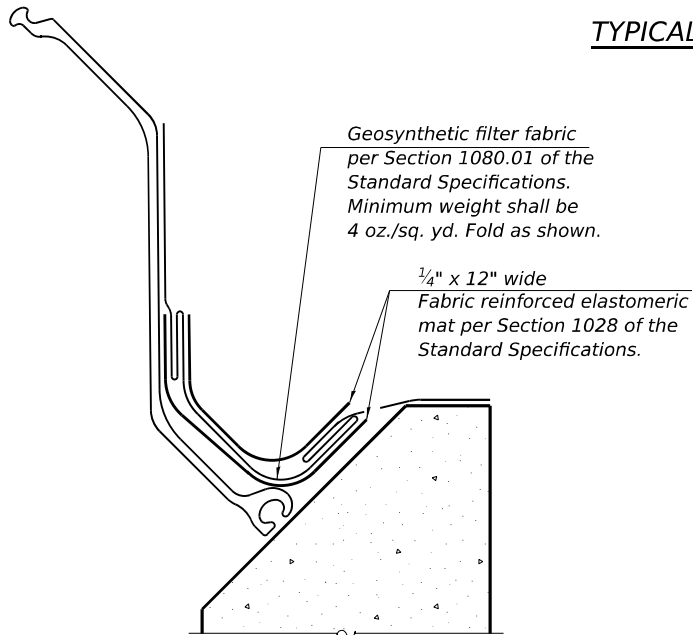


CAP REINFORCEMENT PLAN

Cut bars in filed as necessary to maintain clear cover and to avoid interference with sheet piles.
For Ornamental Railing details, see Sheet 10.

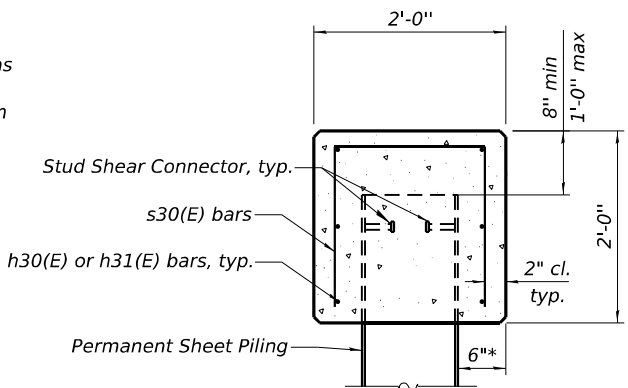


TYPICAL SECTION THRU CAP



DETAIL A

Permanent Sheet Piling at Headwall

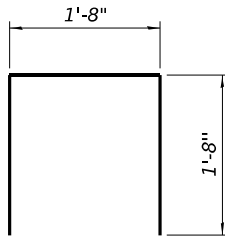


CAP REINFORCEMENT DETAIL

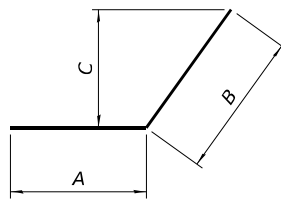
* Dimension shown is based on the use of PZ27 or PZ38. If an alternate sheet pile section is chosen, this dimension must be adjusted. If necessary, Contractor shall make adjustments at no additional cost to the Department.

MINIMUM BAR LAP

#5 bar = 3'-7"

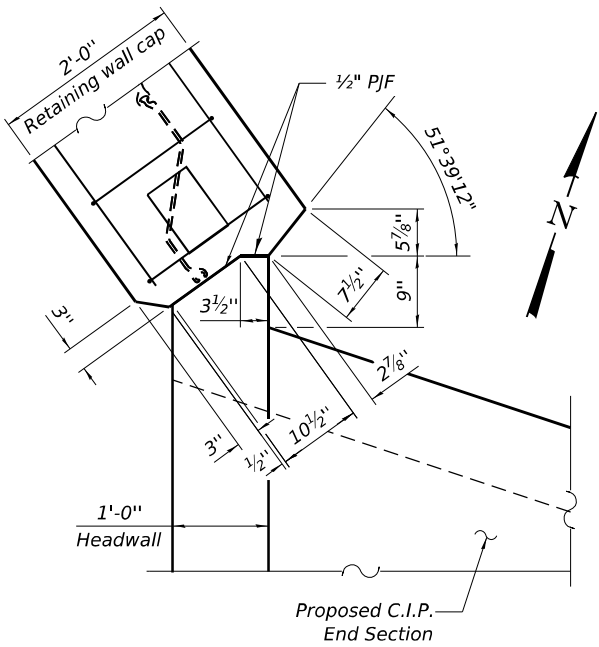


BAR s30(E)



BARS h31(E) and h32(E)

Bar	A	B	C
h31(E)	3'-9"	5'-10"	4'-8 7/8"
h32(E)	4'-8"	7'-0"	5'-8 1/4"



RETAINING WALL CAP/ CULVERT HEAWALL CONNECTION

RETAINING WALL CAP

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h30(E)	6	#5	34'-4"	—
h31(E)	3	#5	9'-6"	✓
h32(E)	3	#5	11'-8"	✓
s30(E)	42	#5	5'-0"	□
Structure Excavation			Cu. Yd.	17
Stud Shear Connectors			Each	116
Reinforcement Bars, Epoxy Coated			Lbs.	510
Permanent Sheet Piling			Sq. Ft.	875
Concrete Structures (Retaining Wall)			Cu. Yd.	6.2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
STRUCTURE NO. 016-8321

SHEET 9 OF 12 SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	32
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

Illinois Department of Transportation

Division of Highways
CSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 6/28/24

ROUTE FAU 2843 DESCRIPTION Culvert Boring LOGGED BY DV

SECTION LOCATION SEC. TWP. RNG.

Latitude 41.5145158, Longitude -087.6458451

COUNTY Cook DRILLING RIG Geoprobe HAMMER TYPE AUTO
DRILLING METHOD HSA HAMMER EFF (%) 101.6

STRUCT. NO.	016-8321	D	B	U	M	Surface Water Elev.	N/A	ft	D	B	U	M
Station	N/A	E	L	C	O	Stream Bed Elev.	N/A	ft	E	L	C	O
		P	O	S	I				P	O	S	I
		T	W		S				H	S	Q	T
		H	S	Qu	T							
BORING NO.	CB-03					Groundwater Elev.:						
Station	29+50					First Encounter	639.2	ft	▼			
Offset	45.00ft RT					Upon Completion	N/A	ft				
Ground Surface Elev.	645.24	ft	(ft)	(/6")	(tsf)	After	Hrs.	N/A	ft	(ft)	(/6")	(tsf)

2 inches of Topsoil	645.08											
Brown and Gray - Moist												
FILL: SILTY CLAY, with sand, trace gravel, trace wood, trace asphalt		4				Medium Dense			5			
		3	3.8	17		Gray, Moist to Wet			5		18	
		6	B			SAND, with silt, trace gravel (SP/SM)			12			
Push rock at 3.5 feet		25							3			
		24		21					5		14	
		19							8			
		-5							-25			
	639.24 ▼											
Gray and Black - Moist	639.00	3				Stiff			2			
FILL: SILTY CLAY, trace gravel, trace asphalt	638.24	3	1.3	25		Gray, Moist			3	1.5	25	
Proposed culvert downstream elevation at 639.00 feet		14	B			SILTY CLAY, trace gravel, trace sand (CL/ML)			4	B		
Gray - Moist		5							0			
FILL: GRAVEL, trace sand, trace brick		4		10					3	1.0	22	
		3							20	B		
		-10										
	634.24	3				End of Boring						
Stiff to Very Stiff		3										
Light Gray, Moist		3	3.1	22								
SILTY CLAY, trace gravel (CL/ML)		5	B									
		3										
		4	2.8	20								
		6	B									
		-15										
		3										
		2	1.9	21								
		3	B									
		3										
		4	2.1	16								
		15	B									
		-20										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation

Division of Highways
GSS Consultants

SOIL BORING LOG

Page 1 of 1

Date 6/28/24

ROUTE FAU 2843 DESCRIPTION Retaining Wall Boring LOGGED BY DV

SECTION LOCATION SEC. TWP. RNG.

COUNTY Cook DRILLING RIG Geoprobe Latitude 41.5145904, Longitude -87.6463013

DRILLING METHOD HSA HAMMER TYPE AUTO 101.6

STRUCT. NO. N/A DEPTH (ft) BOREHOLE (in) UCS (tsf) MOISTURE (%)

Station N/A

BORING NO. RWB-01

Station 30+52

Offset 65.00ft LT

Ground Surface Elev. 648.35 ft

Surface Water Elev. N/A ft

Stream Bed Elev. N/A ft

Groundwater Elev.: First Encounter 639.8 ft

Upon Completion N/A ft

After Hrs. N/A

2 inches of Topsoil / 648.18

Brown, Gray, and Black - Moist

FILL: SILTY CLAY, trace wood, trace gravel, trace brick

4

4 5.8 17

3

7

5 6.3 18

5 B

-5

642.35

Medium Stiff to Stiff

Brown and Gray, Moist to Very Moist

SILTY CLAY, trace gravel, trace sand (CL/ML)

3

3 3.1 20

4 B

0

1 0.8 32

1 B

-10

2

3 1.3 18

3 B

634.85

Stiff to Hard

Gray, Moist

SILTY CLAY, trace gravel (CL/ML)

4

4 1.7 20

6 B

-15

3

5 2.3 19

7 B

3

6 4.2 19

7 B

-20

Stiff to Hard

Gray, Moist

SILTY CLAY, trace gravel (CL/ML)

4

4 1.7 20

6 B

-15

3

5 2.3 19

7 B

3

6 4.2 19

7 B

-20

Stiff to Hard

Gray, Moist

SILTY CLAY, trace gravel (CL/ML)

4

4 1.7 20

6 B

-15

3

5 2.3 19

7 B

3

6 4.2 19

7 B

-20

Stiff to Hard

Gray, Moist

SILTY CLAY, trace gravel (CL/ML)

4

4 1.7 20

6 B

-15

3

PLAT OF HIGHWAYS

SHEET 1 COVER & INDEX SHEET
SHEET 2 DIXIE HIGHWAY – STA. 25+33.76 TO 32+00.00
SHEET 3 DIXIE HIGHWAY – 10th STREET TO JOE ORR ROAD

	DATE	BY
DRAWN	01-11-23	SMC
APPROVED	01-11-23	MFO
REVISED		



A map of Cook County, Illinois, divided into several districts. The districts are labeled: MC HENRY, LAKE, KANE, DU PAGE, COOK, and WILL. District headquarters are marked with an asterisk (*). The location of Section 1 is indicated by a small black rectangle. The map shows the following layout: MC HENRY and LAKE are at the top. Below them are KANE and DU PAGE. COOK is to the right of DU PAGE. WILL is at the bottom. The asterisk is located in the area between KANE, DU PAGE, and COOK. The black rectangle is located in the area between COOK and WILL.

DISTRICT HEADQUARTERS: - *

LOCATION OF SECTION INDICATED THUS: - 

 Mackie Consultants, LLC 9575 W. Higgins Road, Suite 500 Rosemont, IL 60018 (847)696-1400 www.mackieconsult.com	<u>IDOT USE ONLY</u>
--	------------------------------------

DOT USE ONLY

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
PLAT OF HIGHWAY PLAN**

SCALE: Full Size 1 = 1	SHEET 1	OF 3	SHEETS	STA.	TO STA.
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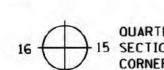
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	36
		CONTRACT NO. 62T84		
		ILLINOIS FED. AID PROJECT		

- FAU 2843 22 CR

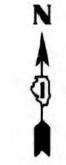
LEGEND

SECTION CORNER

SECTION
CORNER



16 15



GRAPHIC SCALE
FEET
0 50
SCALE: 1" = 50'

- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE
COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- GENERAL NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998999.
 4. AREAS SHOWN ON THIS PLAT ARE GROUND.

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 35 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 19th DAY OF NOVEMBER, 2024 A.D.

M. J. O'Connor

MICHAEL F. O'CONNOR
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002592
LICENSE EXPIRES: NOVEMBER 30, 2024
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM
STANDARDS FOR A BOUNDARY SURVEY.



Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIXIE HIGHWAY

LIMITS: OVER THORN CREEK
TRIBUTARY COUNTY: COOK
SECTION: JOB NO.: R-90-013-21
STA. 25+33.76 TO STA. 32+00.00
SCALE: 1" = 50' SHEET 2 OF 3 SHEETS

**BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196**

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	37
		CONTRACT NO. 62T84		
		ILLINOIS	FED. AID PROJECT	
####	FAU 2843 22 CR	####		

USER NAME = galsallani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$\$\$\$	CHECKED - TPP	REVISED -
PLOT DATE = 4/23/2026	DATE = 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
PLAT OF HIGHWAY PLAN**

SCALE: Full Size 1 = 1	SHEET 2	OF 3	SHEETS	STA.	TO STA.
------------------------	---------	------	--------	------	---------

FALL 2843 22 CR



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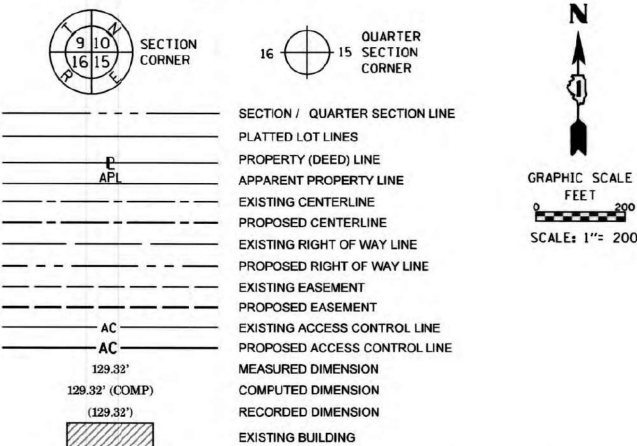
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DESIGN FIRM REG. 184.002117

PART OF SECTION 17 TWP. 35 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE
COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY
MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION
DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY
MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING
SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- GENERAL NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE
COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT)
"GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN
GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF
0.9998999.
 4. AREAS SHOWN ON THIS PLAT ARE GROUND.

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS
PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS
SHOWN HEREON IN SECTION 17, TOWNSHIP 35 NORTH, RANGE 14 EAST OF THE THIRD
PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS
SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY
REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF
PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE
MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE
DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 19TH DAY OF NOVEMBER, 2024A.D.

M.F. O'Connor

MICHAEL F. O'CONNOR
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STANDARDS FOR A BOUNDARY SURVEY.

M Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIXIE HIGHWAY

LIMITS: OVER THORN CREEK COUNTY: COOK
TRIBUTARY JOB NO.: R-9C-013-21
SECTION: 25+33.76 TO STA. 54+41.94
SCALE: 1" = 200' SHEET 3 OF 3 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

REVISION DATE: ____/____/____ REVISION MADE BY: _____

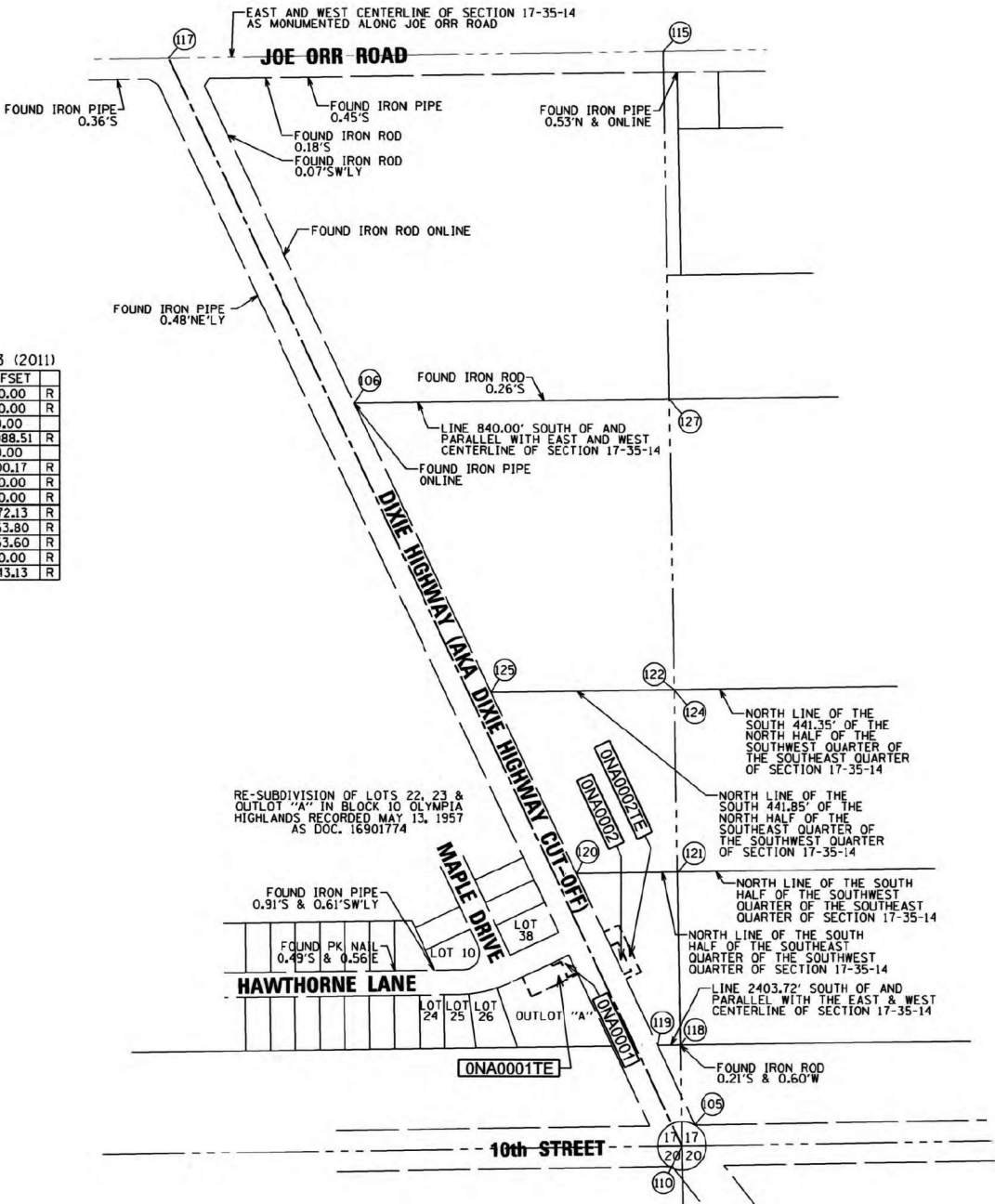
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
PLAT OF HIGHWAY PLAN

SCALE: Full Size 1 = 1 SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	38
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

PROJECT COORDINATES ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)				
POINT	NORTHING	EASTING	STATION	OFFSET
105	1,766,057.685	1,172,721.998	25+66.05	50.00 R
106	1,767,803.363	1,171,897.976	44+96.44	50.00 R
110	1,766,007.138	1,172,690.568	25+33.76	0.00
115	1,768,654.104	1,172,644.790	49+46.99	1,088.51 R
117	1,768,637.044	1,171,449.158	54+41.94	0.00
118	1,766,250.733	1,172,686.355	27+55.84	100.17 R
119	1,766,249.946	1,172,631.244	27+78.66	50.00 R
120	1,766,664.954	1,172,435.345	32+37.58	50.00 R
121	1,766,668.879	1,172,679.123	31+37.07	272.13 R
122	1,767,110.663	1,172,671.483	35+39.84	453.80 R
124	1,767,110.163	1,172,671.492	35+39.38	453.60 R
125	1,767,103.528	1,172,228.323	37+22.56	50.00 R
127	1,767,814.226	1,172,659.315	41+81.28	743.13 R



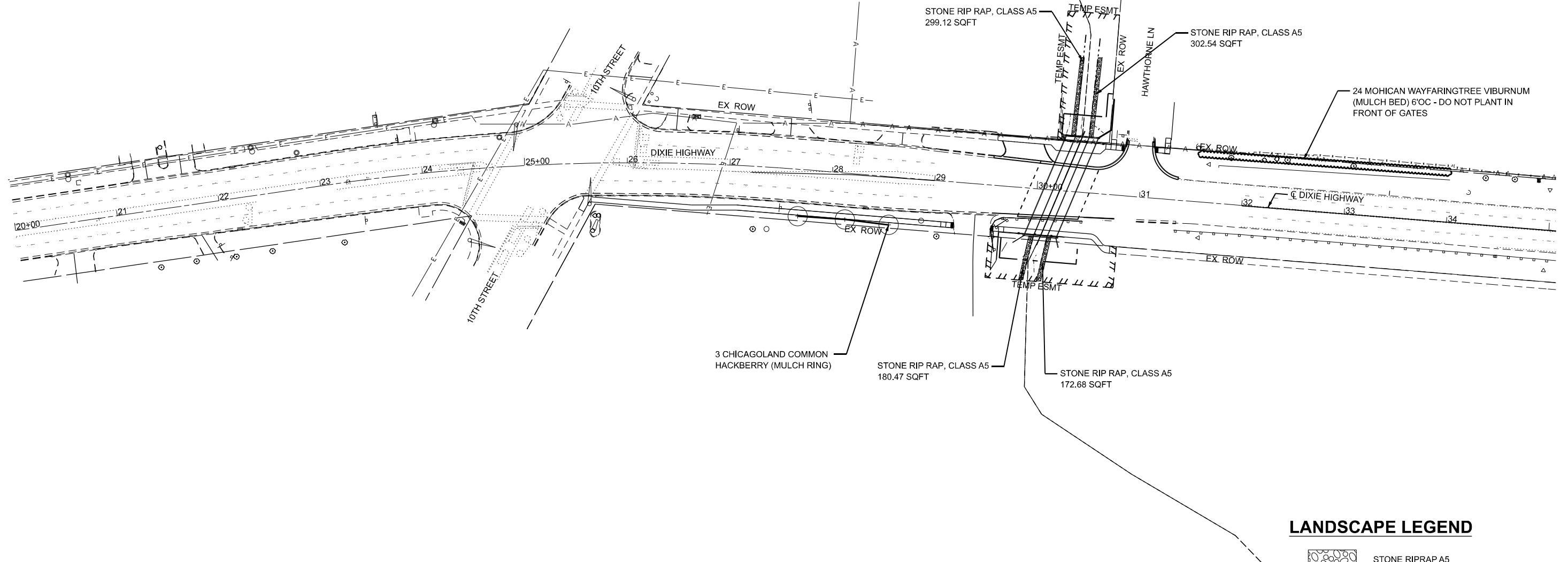
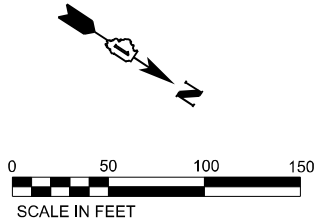
DATE	BY
DRAWN	SNC
APPROVED	MFO
REVISED	

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ABNA
DESIGN FIRM REG. 184.002117

USER NAME = galsallani	DESIGNED - CT	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -
PLOT DATE = 4/23/2026	CHECKED - TPP	REVISED -
	DATE - 04/02/2025	REVISED -

####



LANDSCAPE LEGEND

- STONE RIPRAP A5
- TREE

MODEL: Landscape-Plan_1 [Sheet]
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USER NAME = galsailani	DESIGNED - CT	REVISED -
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	DATE - 08/22/24	REVISED -

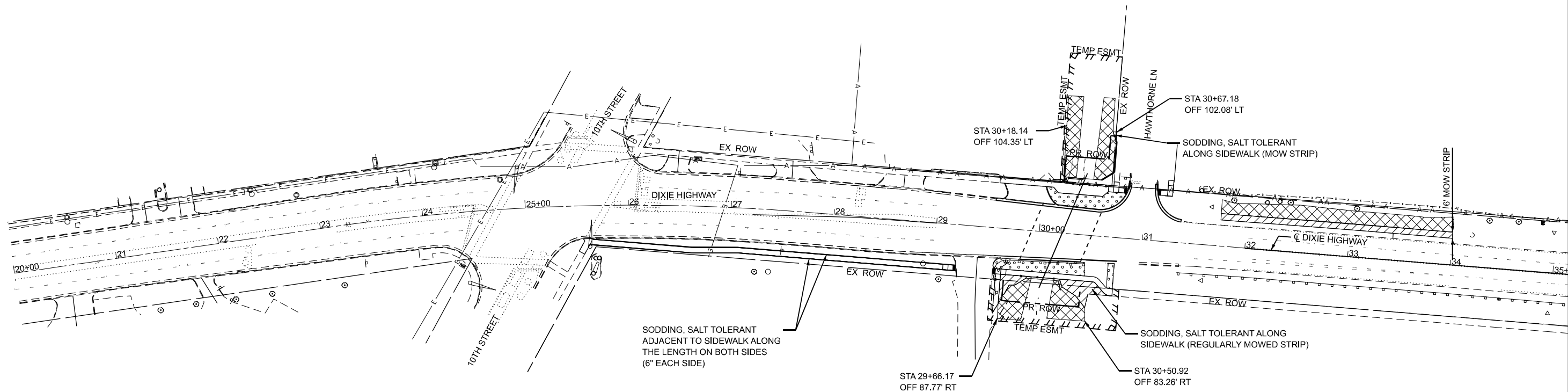
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
LANDSCAPE PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 20+00.00 TO STA. 35+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	39
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

MODEL: Turf Restoration [Sheet]
FILE NAME: J:\2022\6041-1\7D\62184\CADD Data\Sheets\62184-eh-Turf restoration.dgn



TURF RESTORATION LEGEND

-  NATIVE PRAIRIE SOD, MESIC TOPSOIL 4"
-  SODDING, SALT TOLERANT TOPSOIL 4"
-  SODDING, SALT TOLERANT TOPSOIL 8"

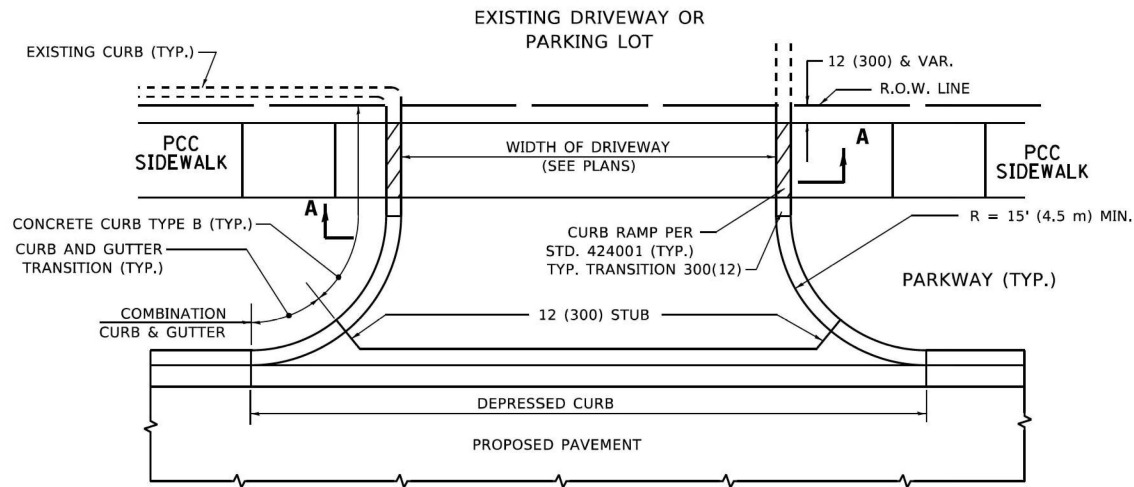


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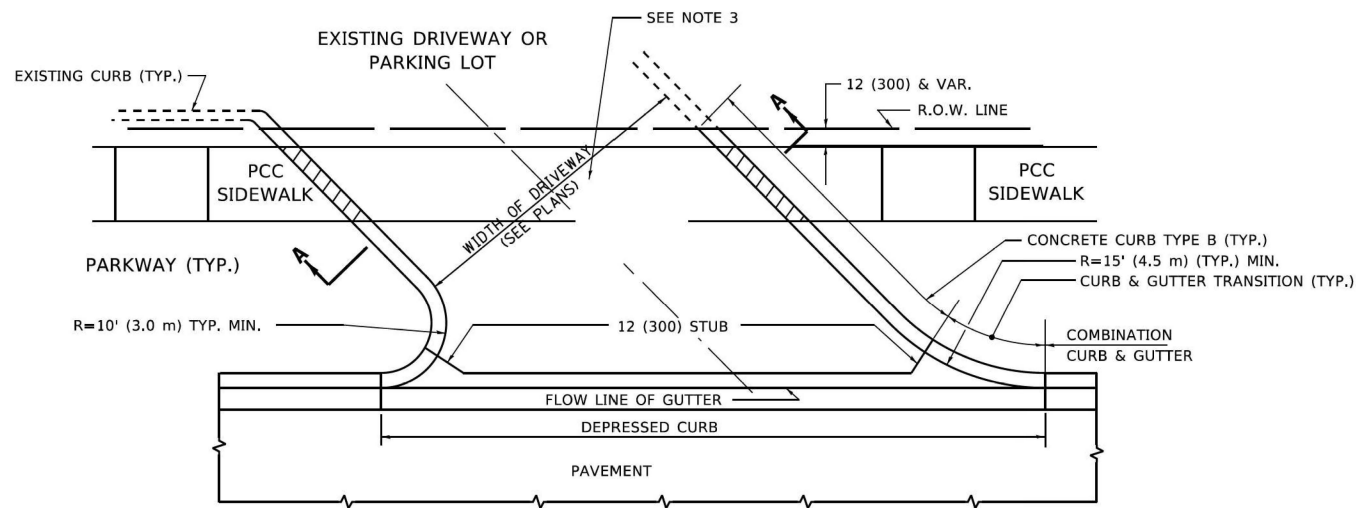
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B TURF RESTORATION			
SCALE: 1"=50'	SHEET 1	OF 1 SHEETS	STA. TO STA.

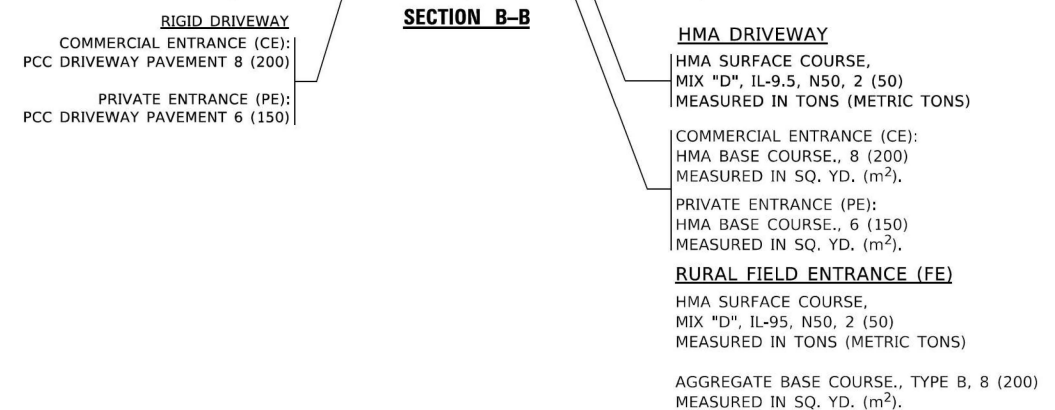
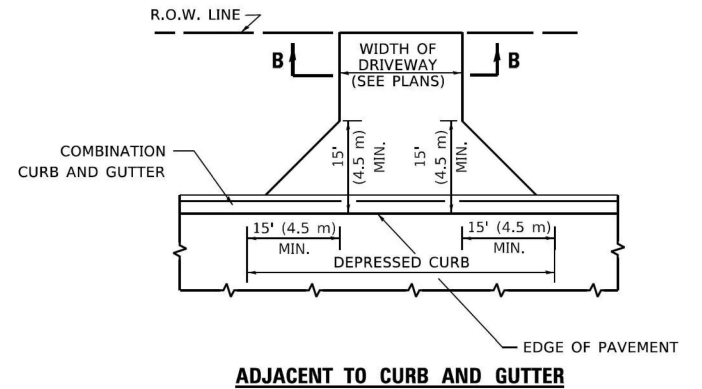
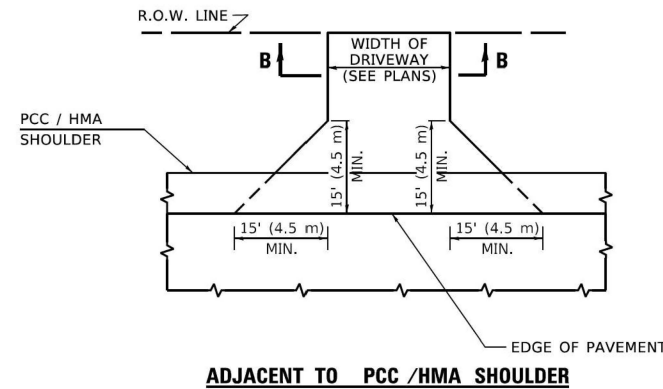
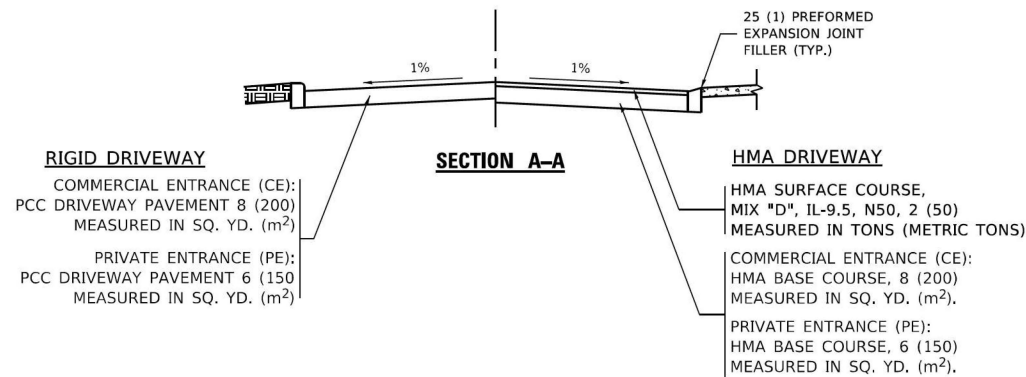
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2843	FAU 2843 22 CR	COOK	57	40
CONTRACT NO. 62184				
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

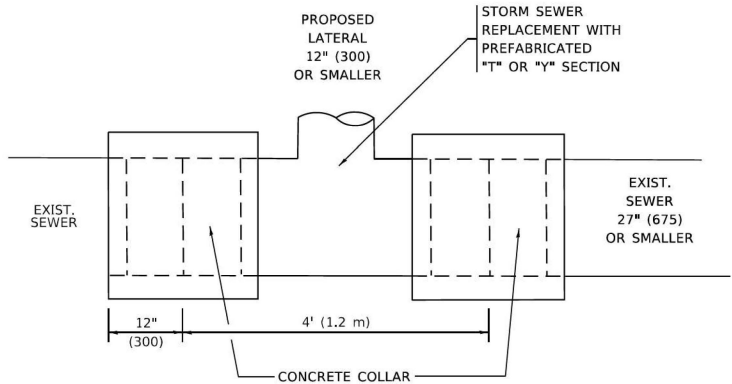
DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (BD-01)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	41
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

SCALE: #### SHEET 1 OF 11 SHEETS STA. TO STA.

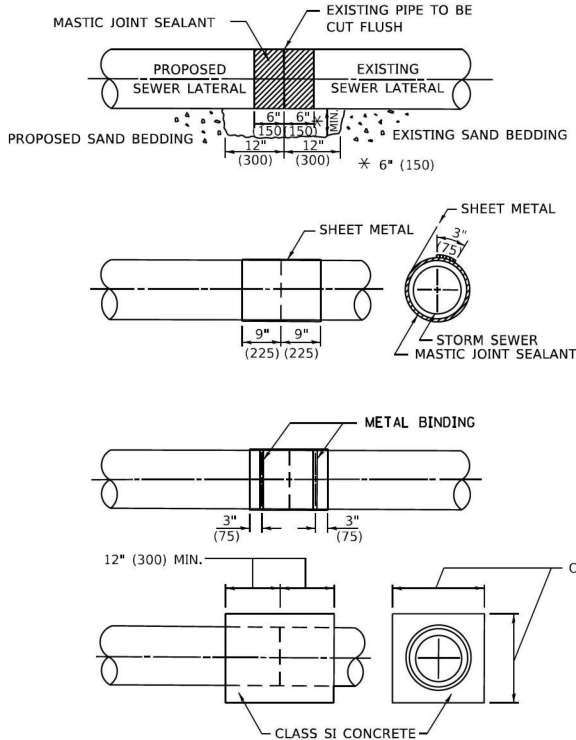
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DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"

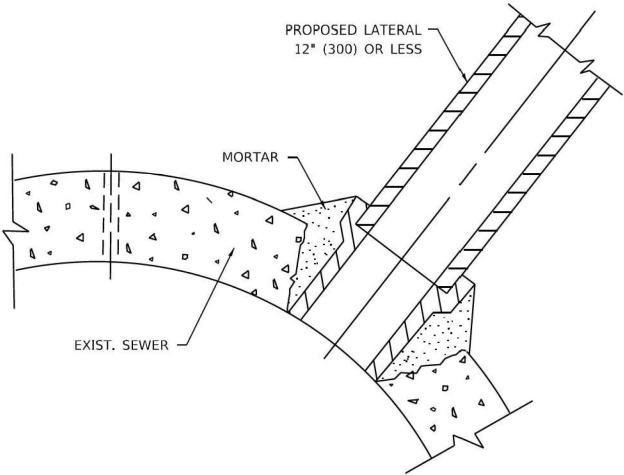
CLASS SI CONCRETE COLLAR

DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

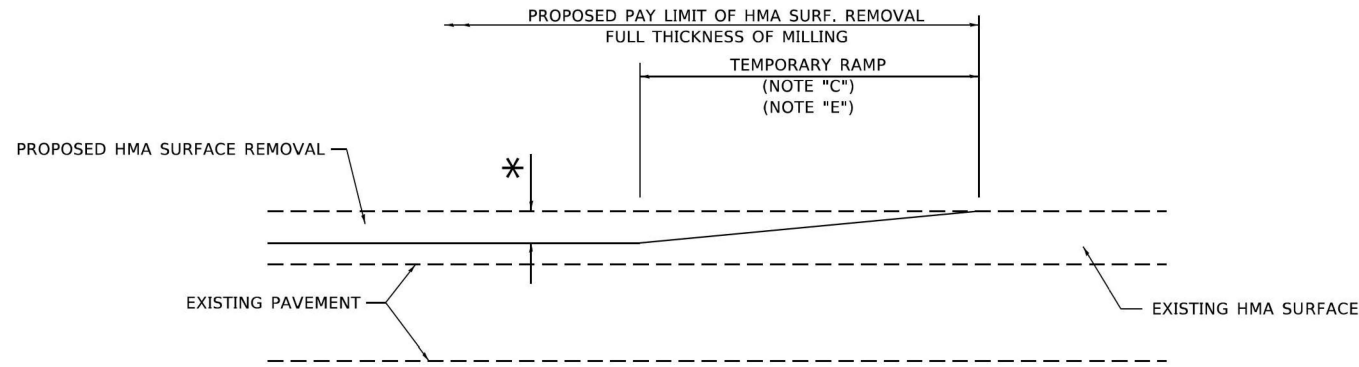
1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

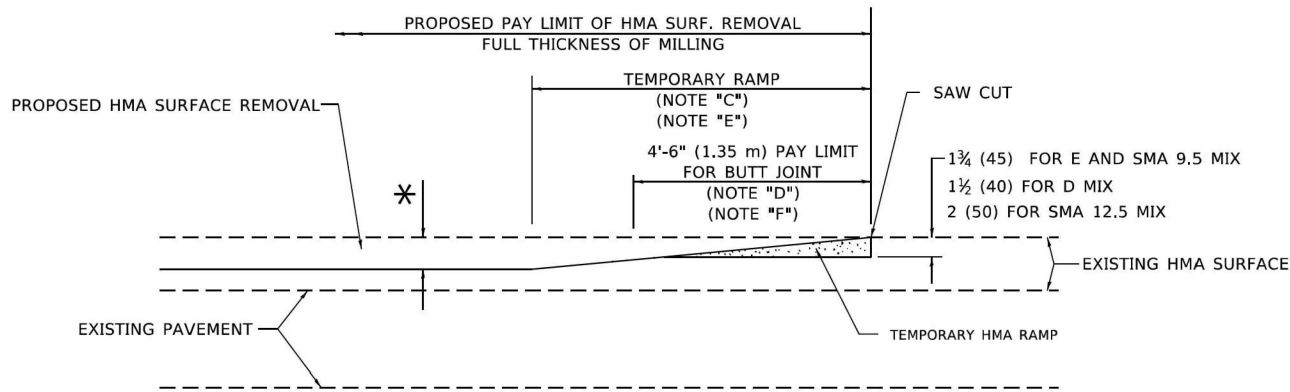
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	PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -					2843	FAU 2843 22 CR	COOK	57	42
	PLOT DATE = 4/23/2026	CHECKED - TPP	REVISED -		SCALE: ####			CONTRACT NO. 62T84				
		DATE - 04/02/2025	REVISED -		SCALE: ####	SHEET 2	OF 11 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

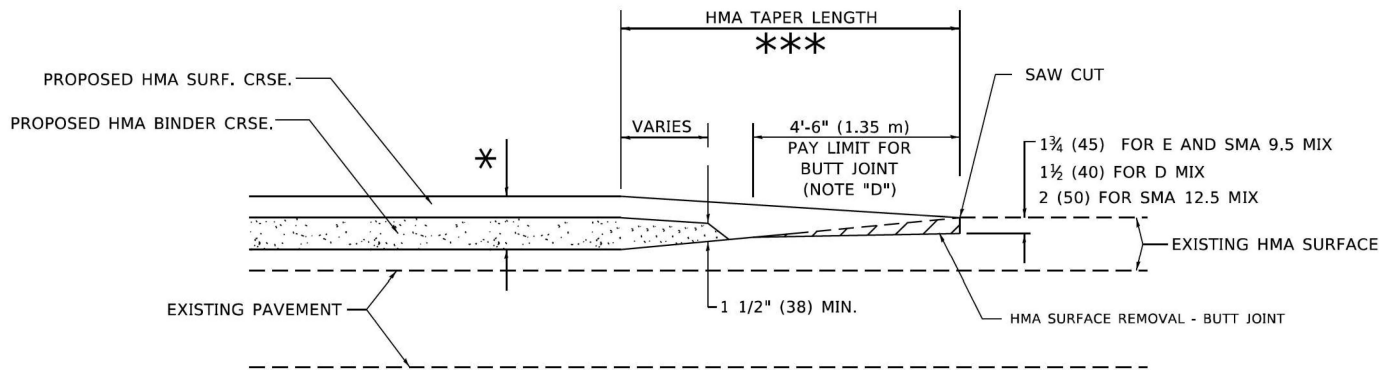


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

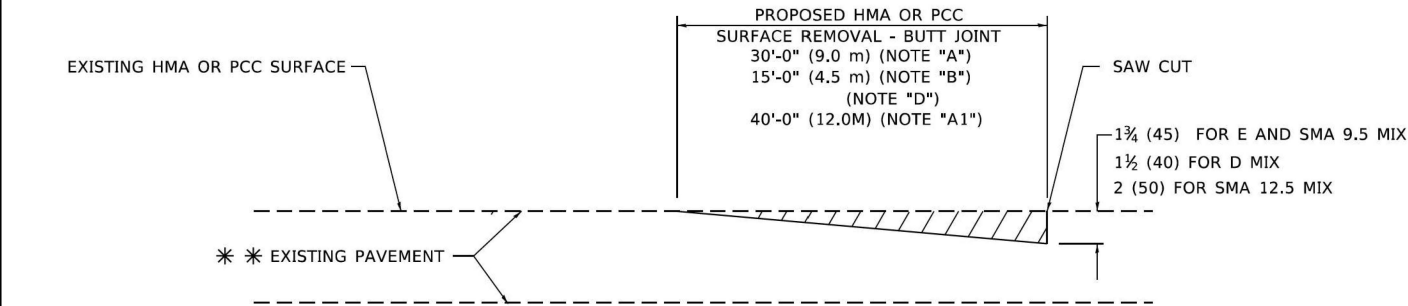
OPTION 2

TYPICAL TEMPORARY RAMP

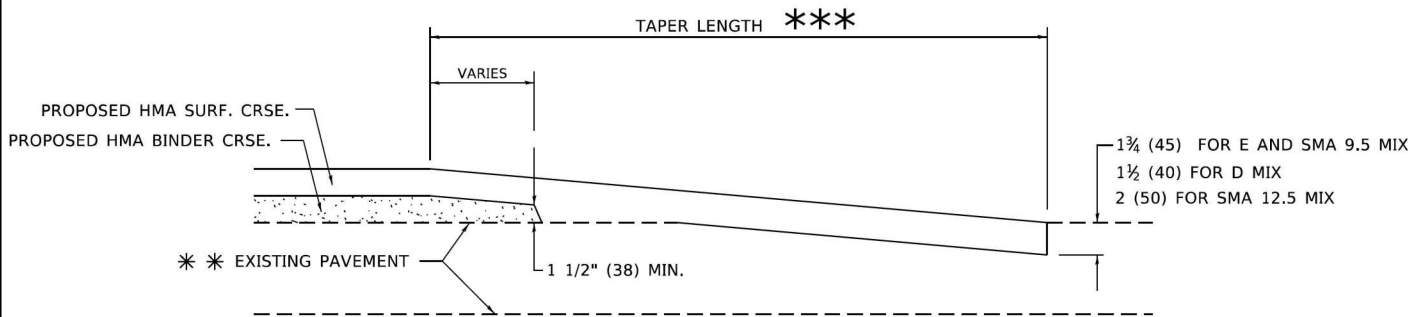


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

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PLOT DATE = 4/23/2026	CHECKED - TPP	REVISED -
	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (BD-32)

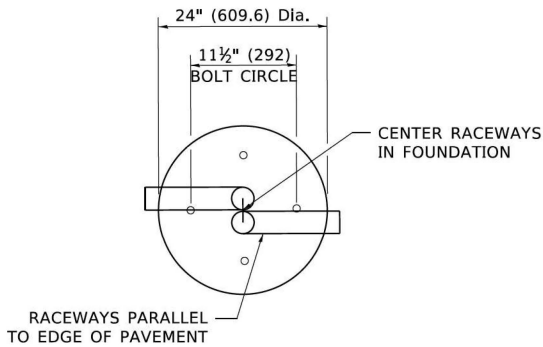
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	43
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

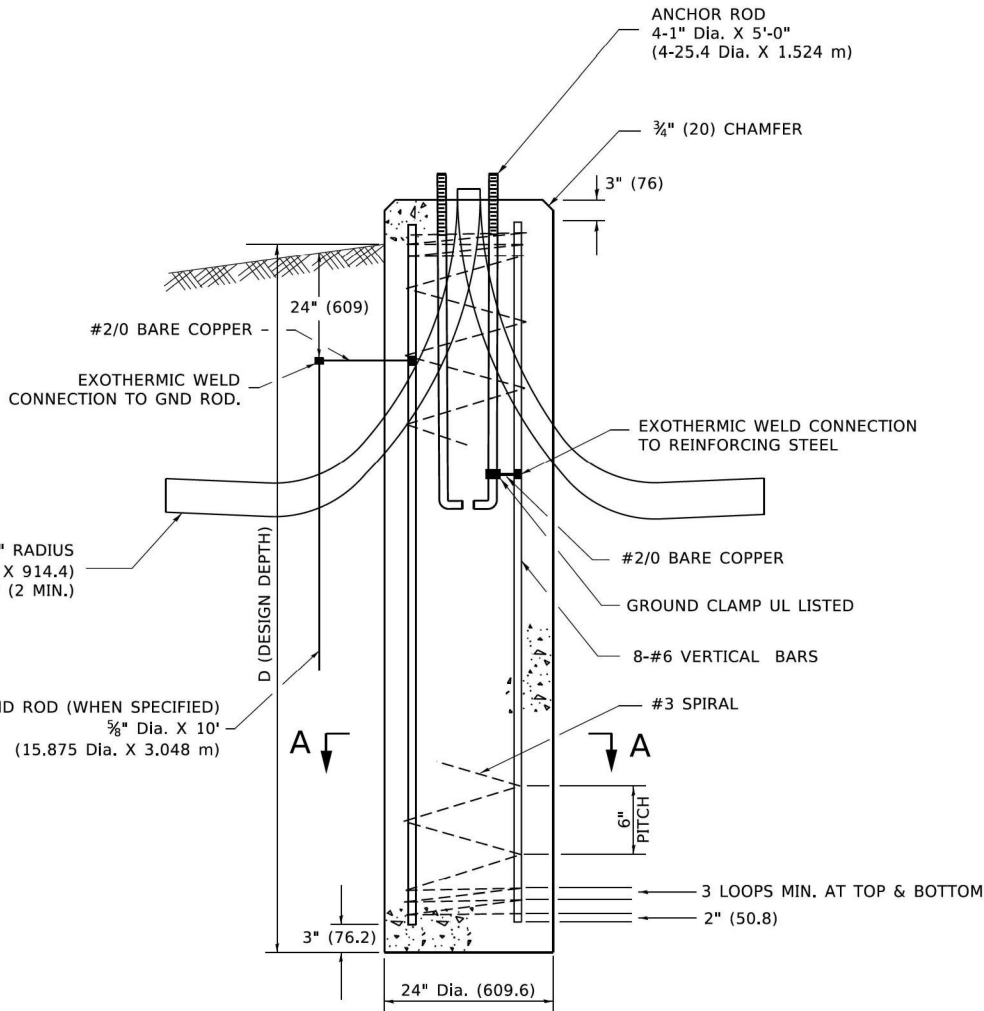
FAU 2843 22 CR

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

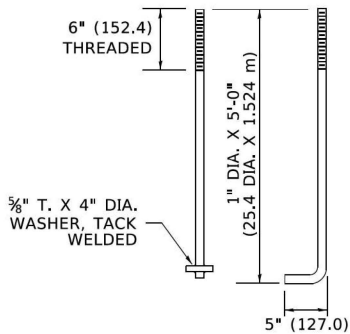
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND Ø = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND Ø = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND Ø = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



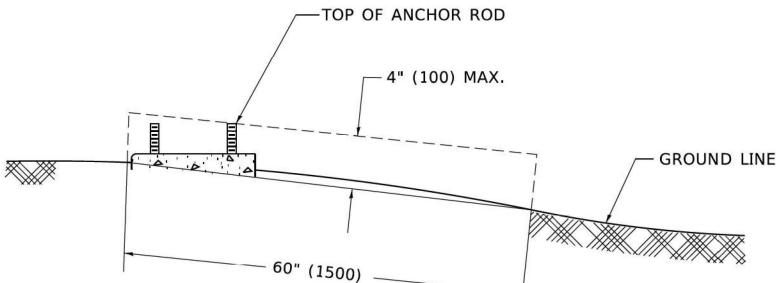
TOP VIEW



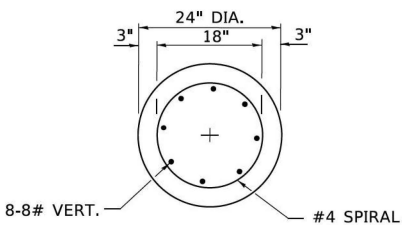
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

MODEL: D1 BE 300 (Sheet)
FILE NAME: J:\2022\6041-17\0162184\CADD Data\Sheets\0162184-shD1 STANDARDS.dgn

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PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -
PLOT DATE = 4/23/2026	CHECKED - TPP	REVISED -
	DATE - 04/02/2025	REVISED -

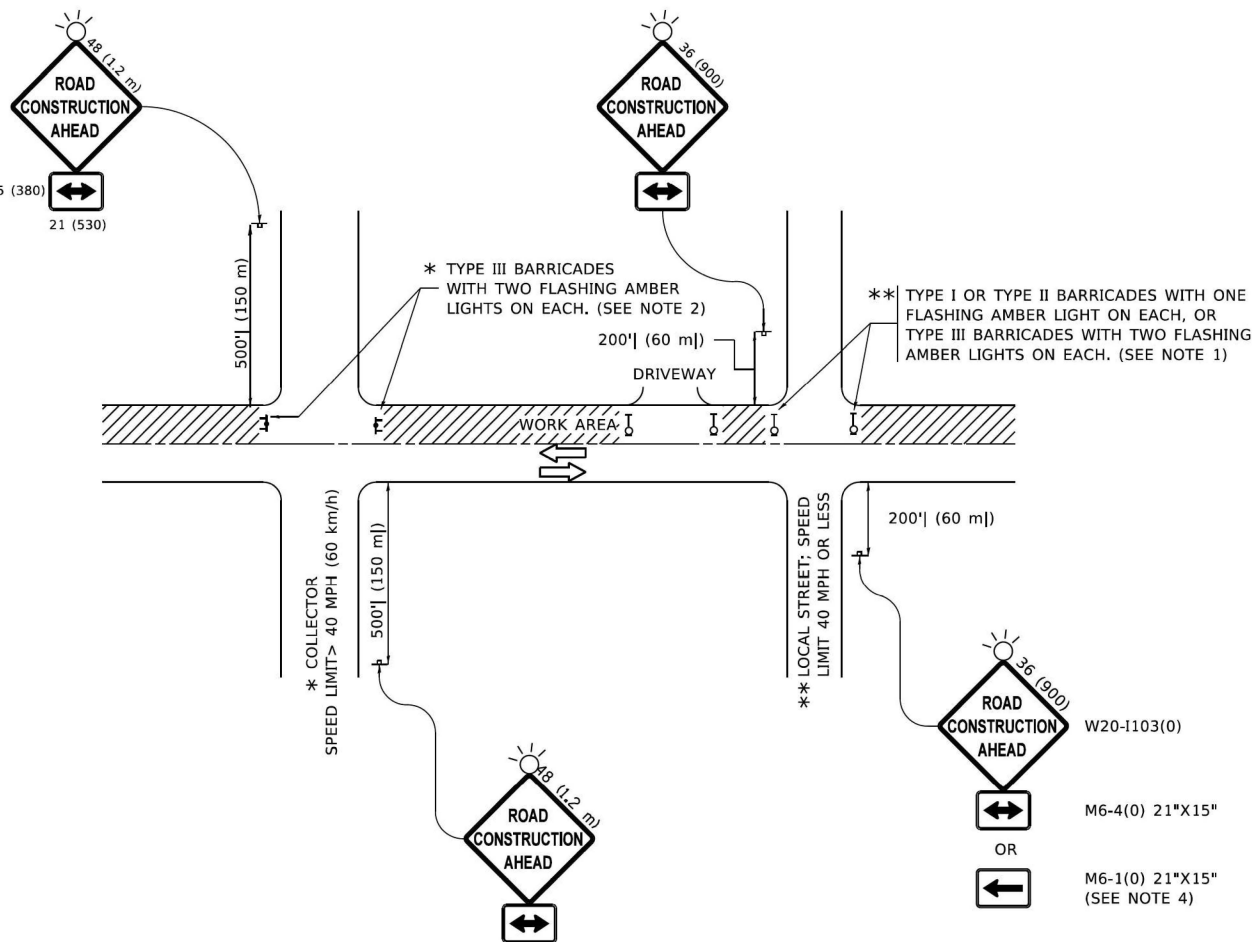
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (BE-300)

SCALE: #### SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	44
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR



NOTES:

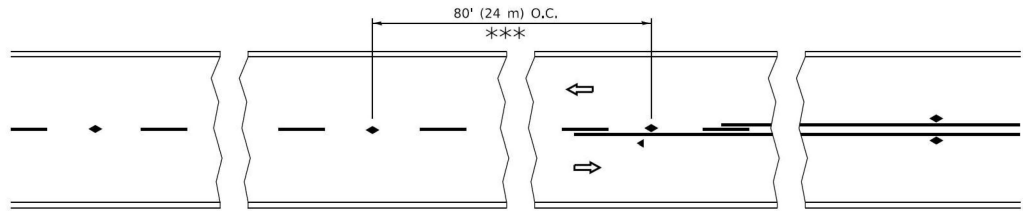
1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

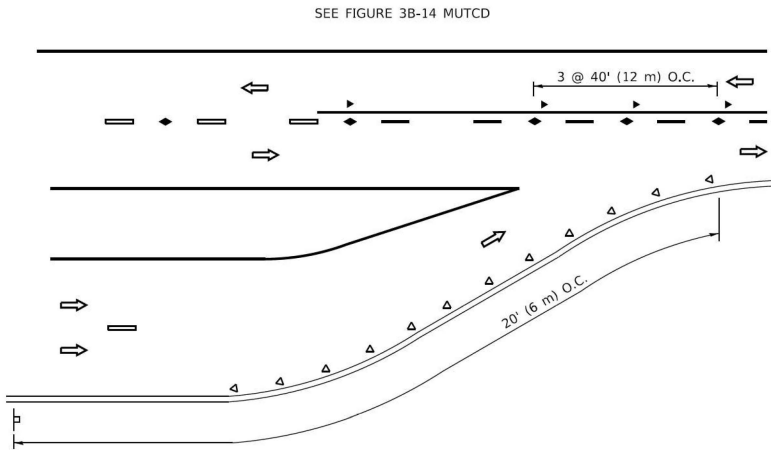
All dimensions are in inches (millimeters) unless otherwise shown.

	USER NAME = galsailani	DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B DISTRICT 1 STANDARDS (TC-10)				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -		2843	FAU 2843 22 CR	COOK	57	45				
	PLOT DATE = 4/23/2026	CHECKED - TPP	REVISED -		CONTRACT NO. 62T84								
		DATE - 04/02/2025	REVISED -		SCALE: ####	SHEET 5	OF 11	SHEETS	STA.	TO STA.			

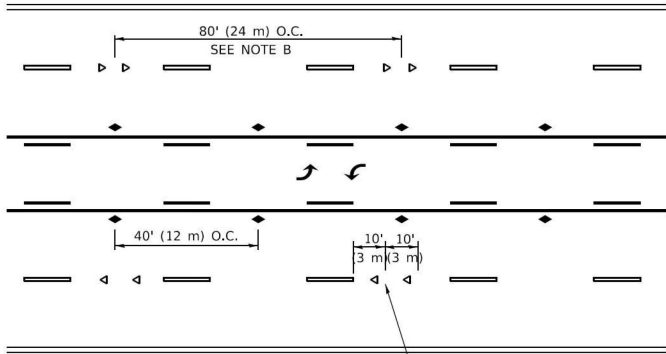


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

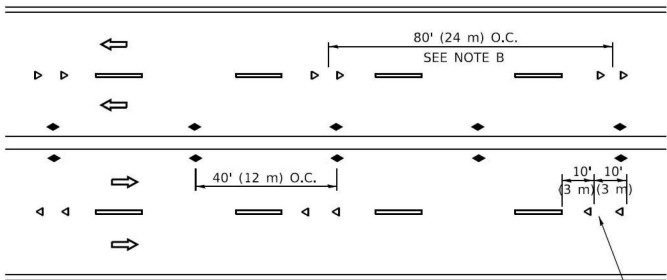
TWO-LANE/TWO-WAY



LANE REDUCTION TRANSITION

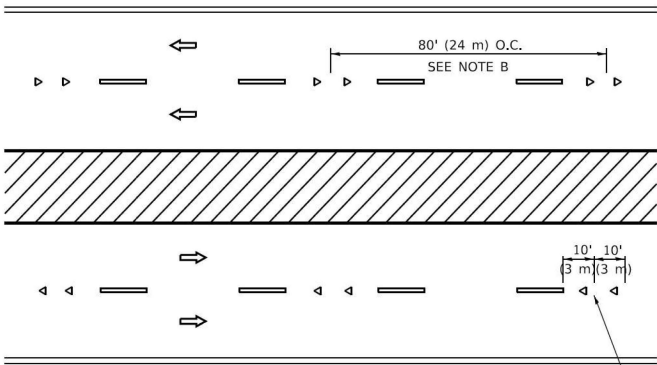


TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

LANE MARKER NOTES

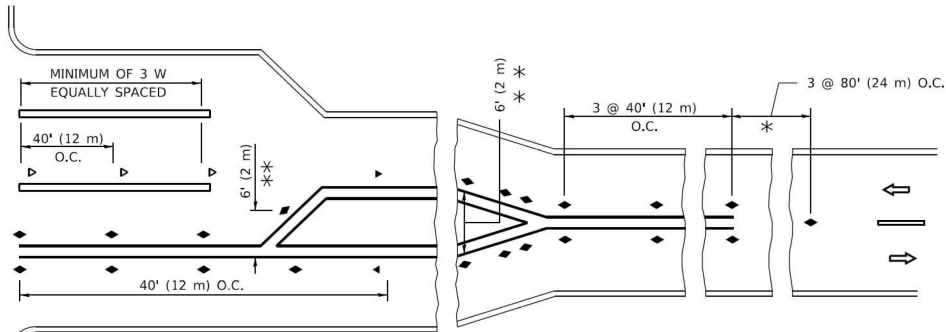
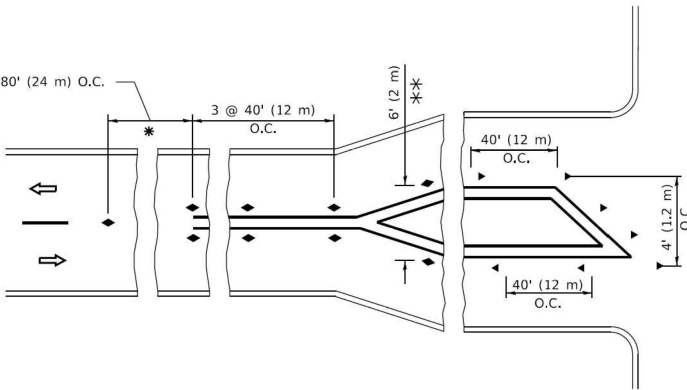
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

DESIGN NOTES

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS
USE TWO-WAY MARKERS.

TURN LANES

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

MODEL: D1 TC-11 [Sheet]
FILE NAME: J:\2022\6041-1\7D162T84CADD Data\Sheets\D162T84-shtD1 STANDARDS.dgn



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DRAWN	- ABD	REVIS	-		
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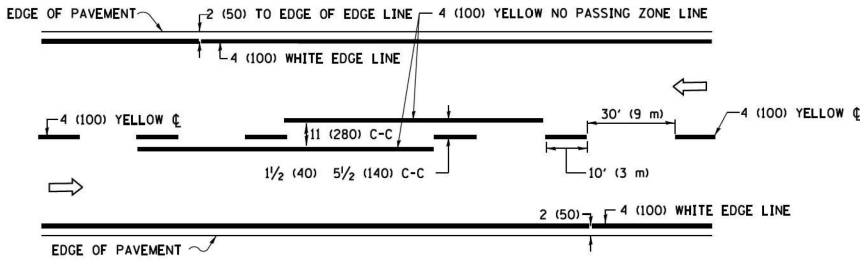
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (TC-11)

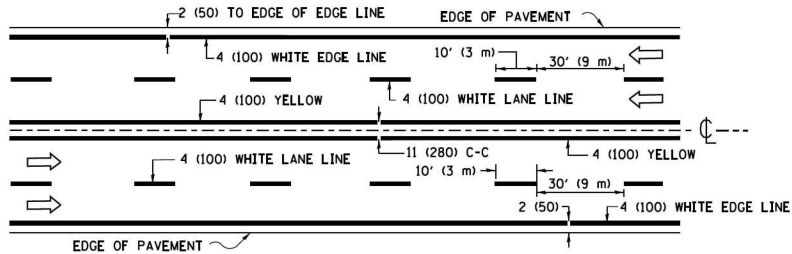
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

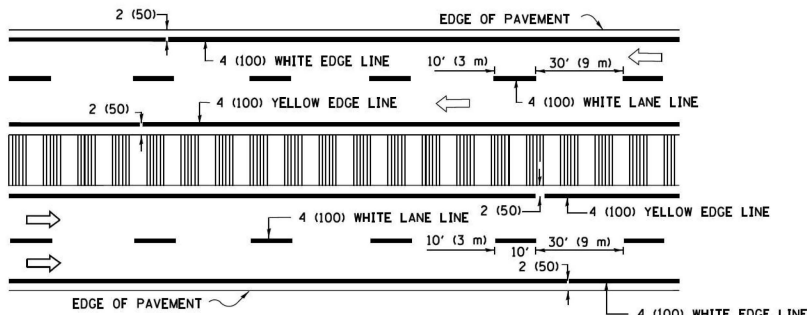
FAU 2843 22 CR



2-LANE ROADWAY

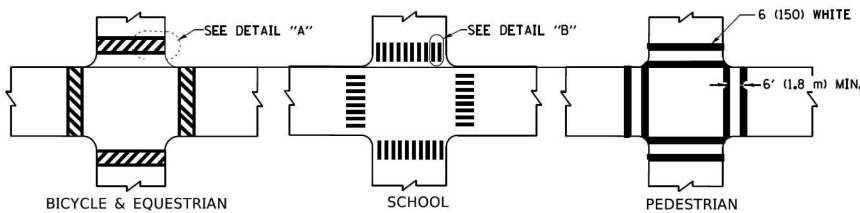


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

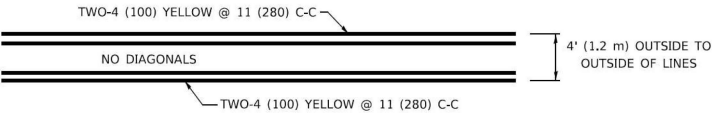


DETAIL "A"

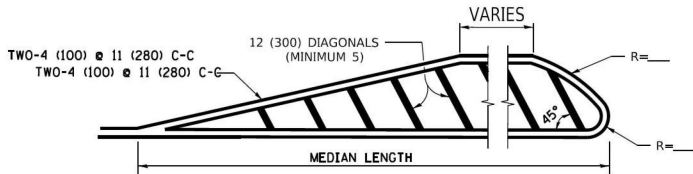
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

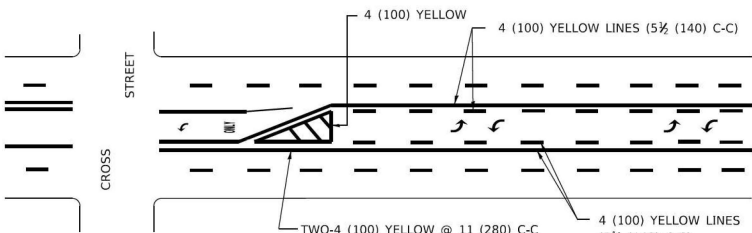


4' (1.2 m) WIDE MEDIANS ONLY

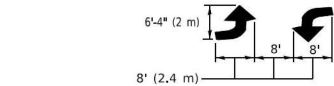


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

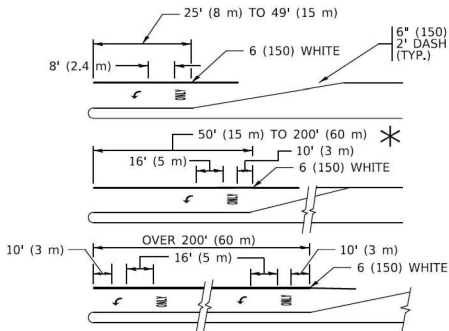


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

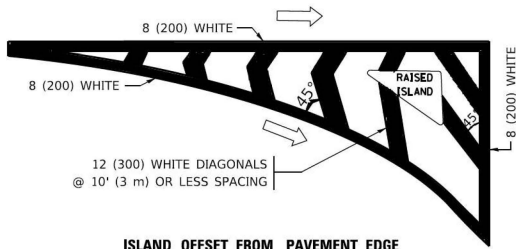
TYPICAL PAINTED MEDIAN MARKING



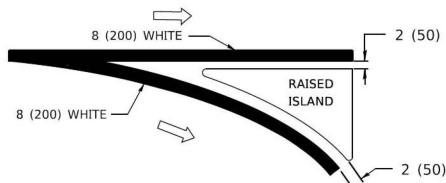
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

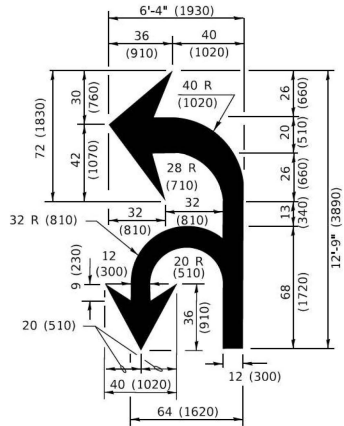


ISLAND OFFSET FROM PAVEMENT EDGE

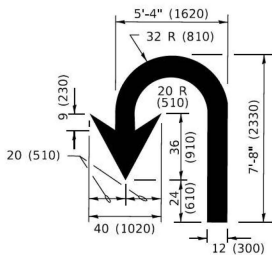


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION
LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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USER NAME = galsallani	DESIGNED - CT	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -
PLOT DATE = 9/17/2025	CHECKED - TPP	REVISED -
	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (TC-13)

SCALE: 1"=1'-0" SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	47
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

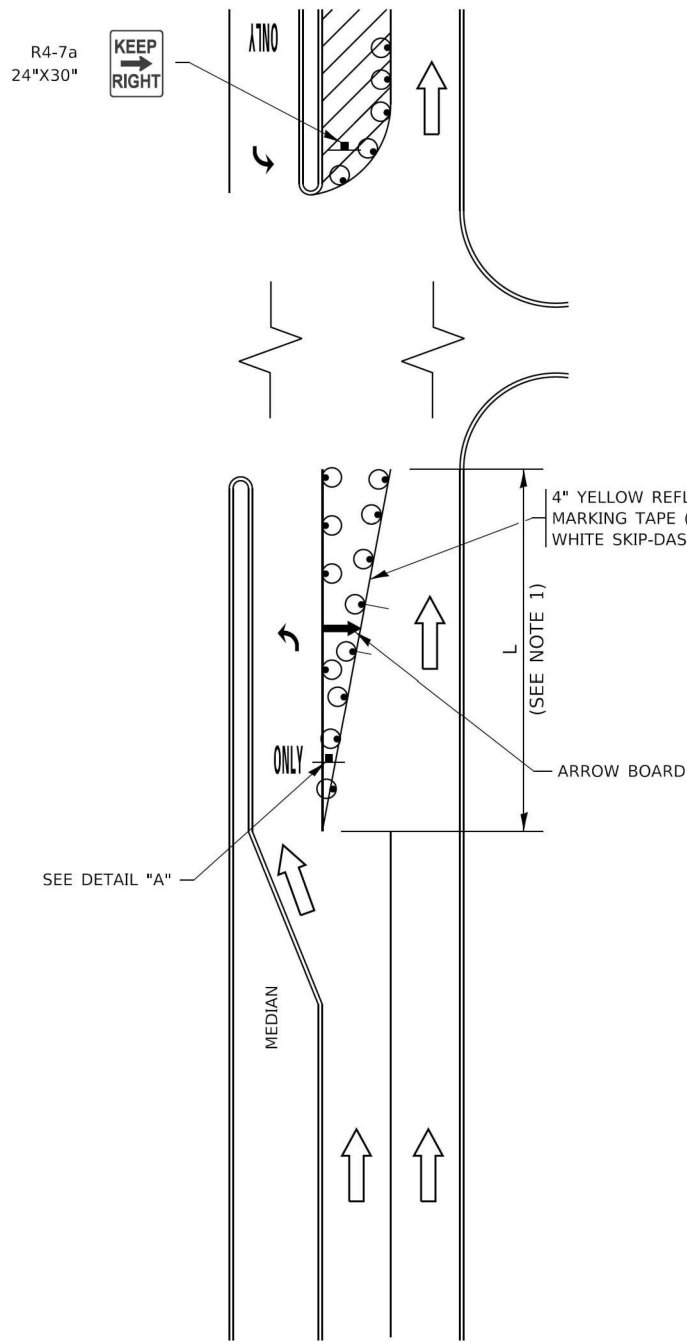


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

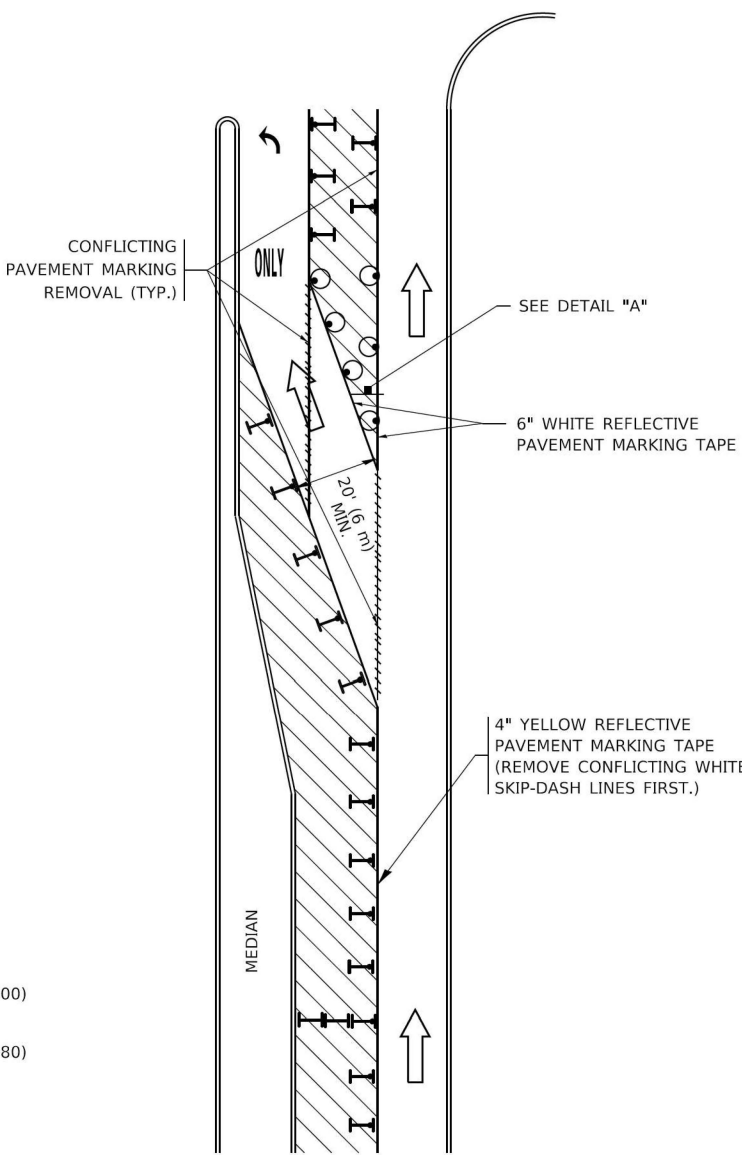
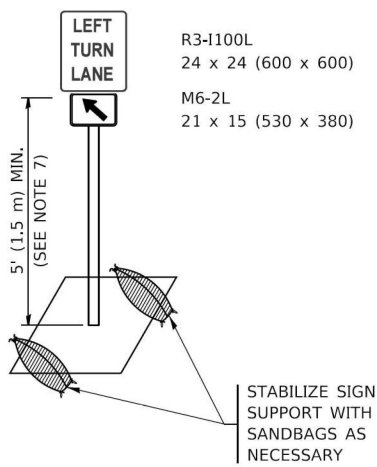


FIGURE 2



DETAIL A

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

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PLOT DATE = 4/23/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

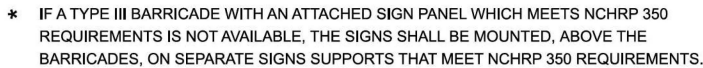
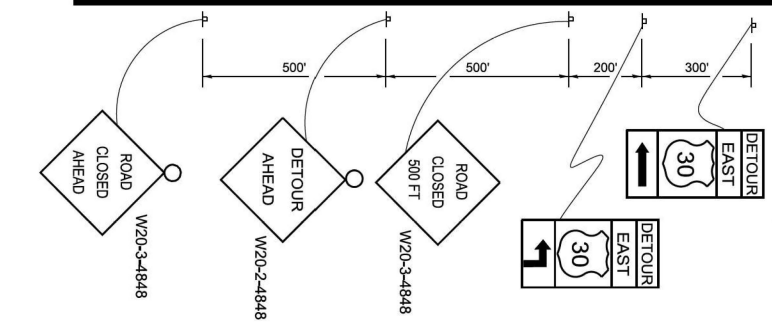
DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (TC-14)

SCALE: #### SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	48
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

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MODEL: D1 TC-22 [Sheet]
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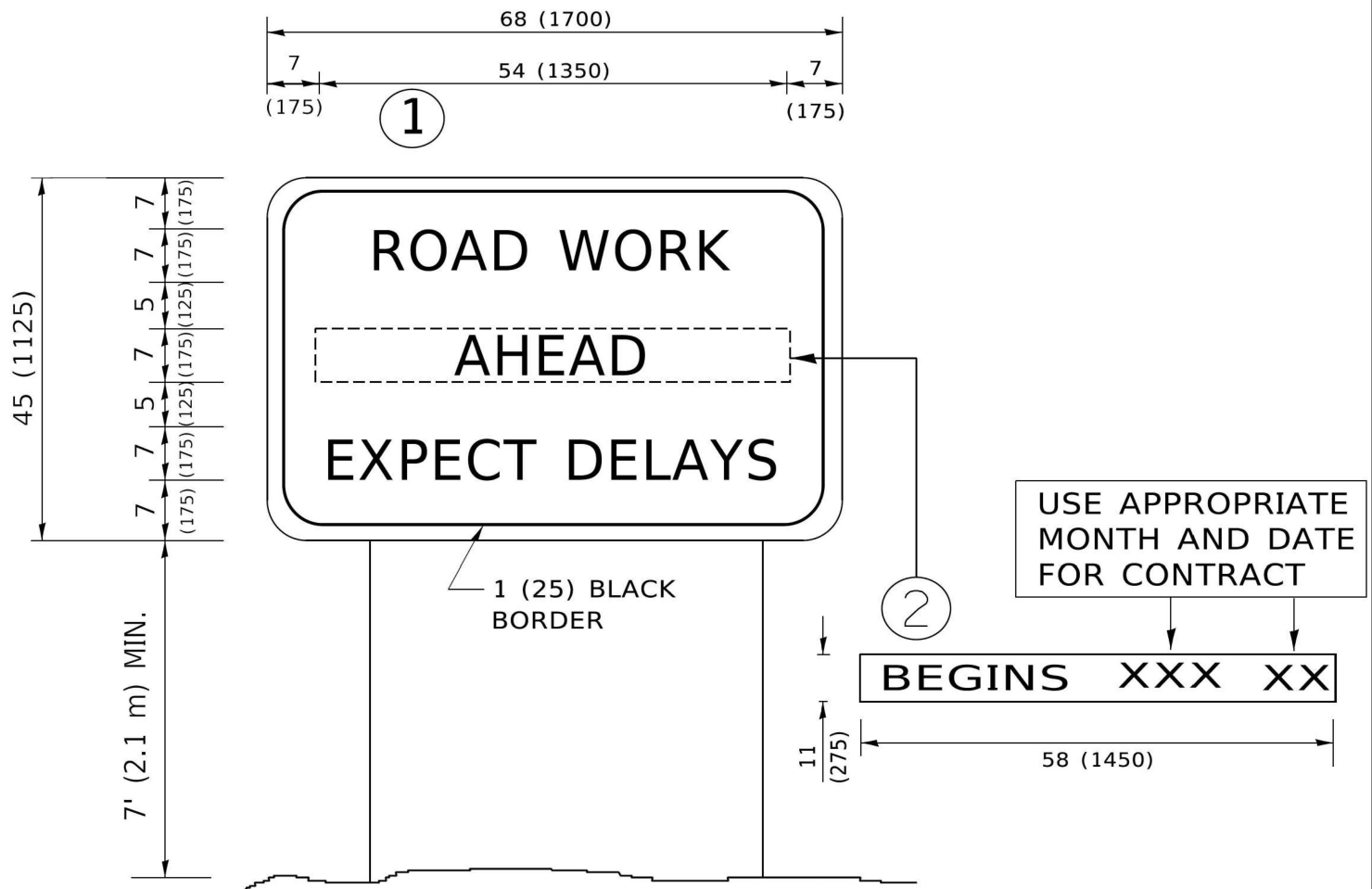
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (TC-22)

SCALE: 1"=1'-0" SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	50
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

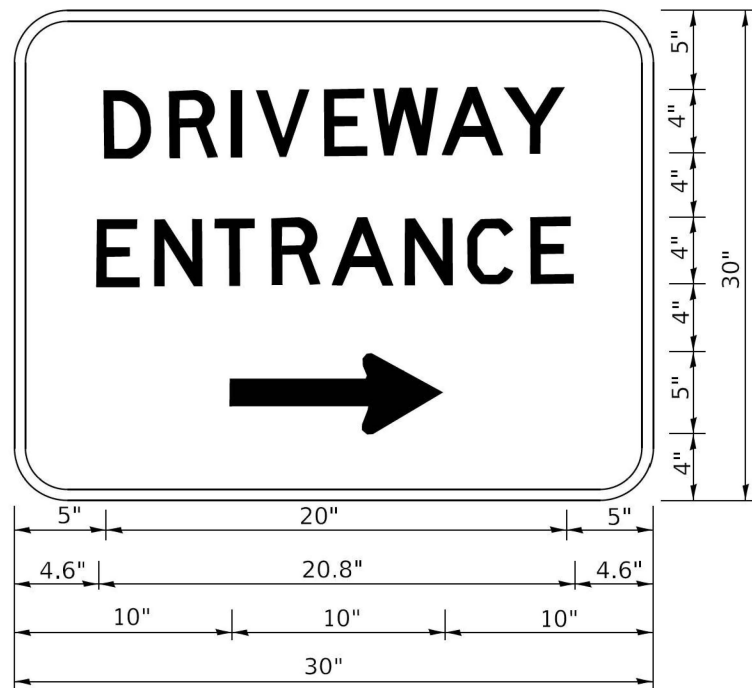
FAU 2843 22 CR



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- NOTES:
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
FAR LEFT SIDE OF THE DRIVEWAY.
 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: D1 TC-24 [Sheet]
FILE NAME: J:\2022\6041-17\162184\CADD Data\Sheets\162184-shtD1 STANDARDS.dgn



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	DRAWN - ABD	REVISED -
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PLOT DATE = 4/23/2026	DATE - 04/02/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (TC-26)

SCALE: 1"=1'-0" SHEET 5 OF 11 SHEETS STA. TO STA.

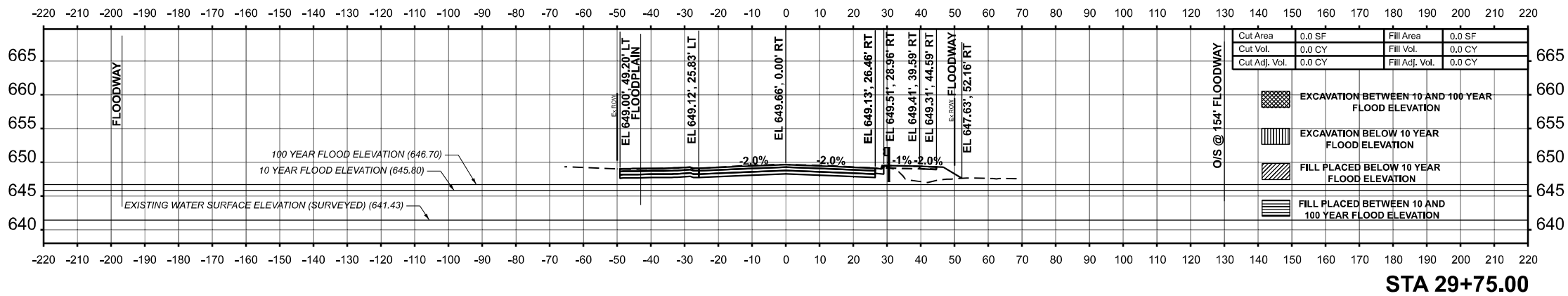
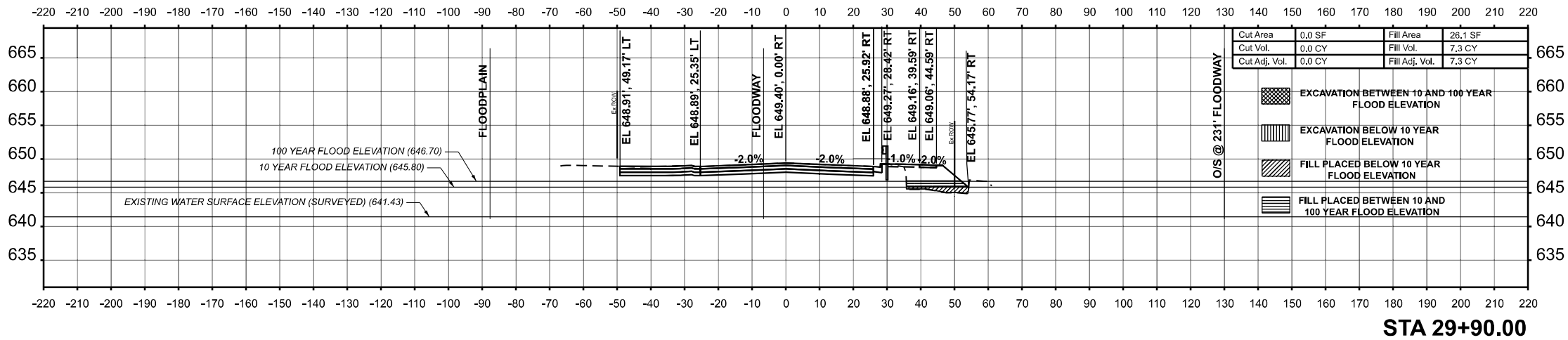
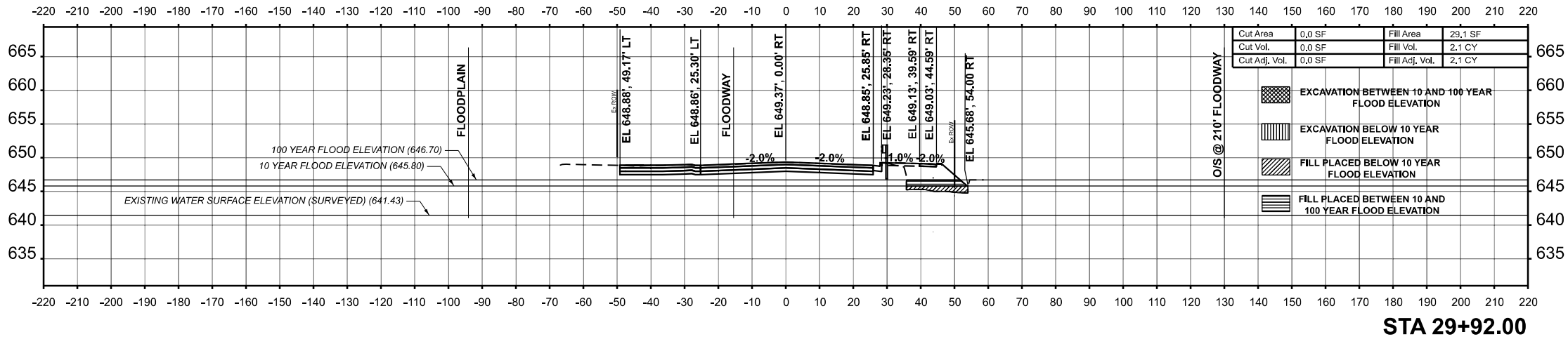
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	51
CONTRACT NO. 62T84				

FAU 2843 22 CR

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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NOTE:
FOR CUT/FILL FLOODPLAIN VALUES SEE
COMPENSATORY STORAGE CALCULATIONS.



USER NAME = mconroy	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 10/3/2025	DATE - 07/09/25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
CROSS SECTIONS

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 29+90.00 TO STA. 29+92.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	52
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

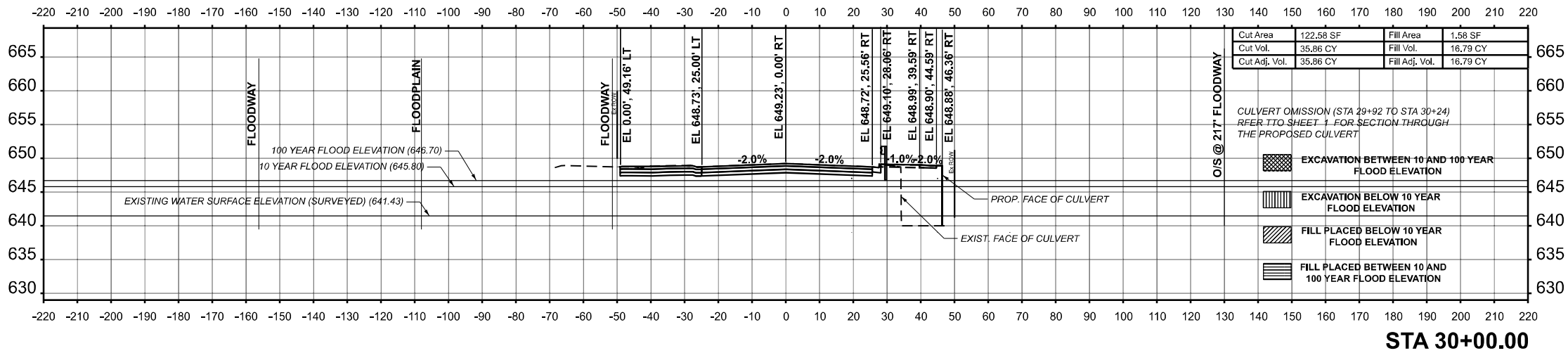
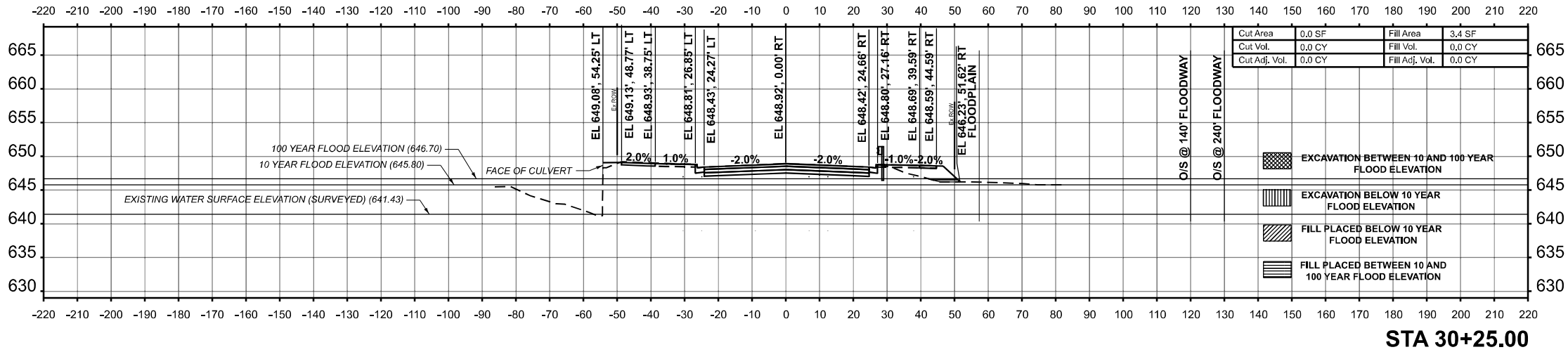
FAU 2843 22 CR

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FINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE
NO.	AREAS CHECKED		

MODEL: D:\62T84\Draw - 29+75.00 (Sheet)
FILE NAME: J:\2022\04-17\162184\CADD Data\Sheets\CROSS SECTIONS\162184-ss_Divis.dgn



NOTE:
FOR CUT/FILL FLOODPLAIN VALUES SEE
COMPENSATORY STORAGE CALCULATIONS.



USER NAME = mconroy	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TPP	REVISED -
PLOT DATE = 10/3/2025	DATE - 07/09/25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
CROSS SECTIONS

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 29+75.00 TO STA. 30+25.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	53
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

ORIGINAL SURVEY			BY	DATE
	SURVEYED			
	PLOTTED			
	TEMPLATE			
	AREAS			
	AREAS CHECKED			
NO.				



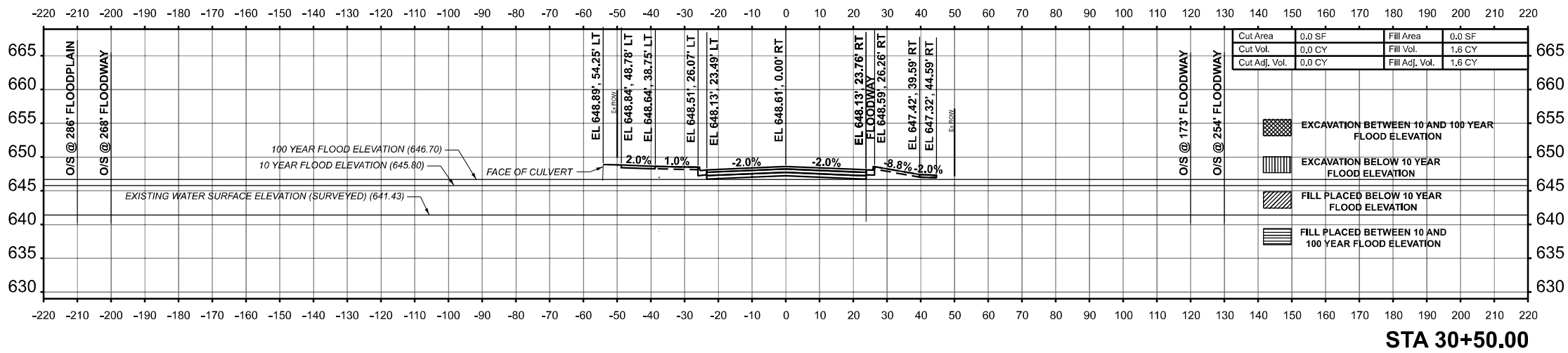
ABNA
DESIGN FIRM REG. 184,002117

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	54
		CONTRACT NO. 62T84		
ILLINOIS		FED. AID PROJECT		

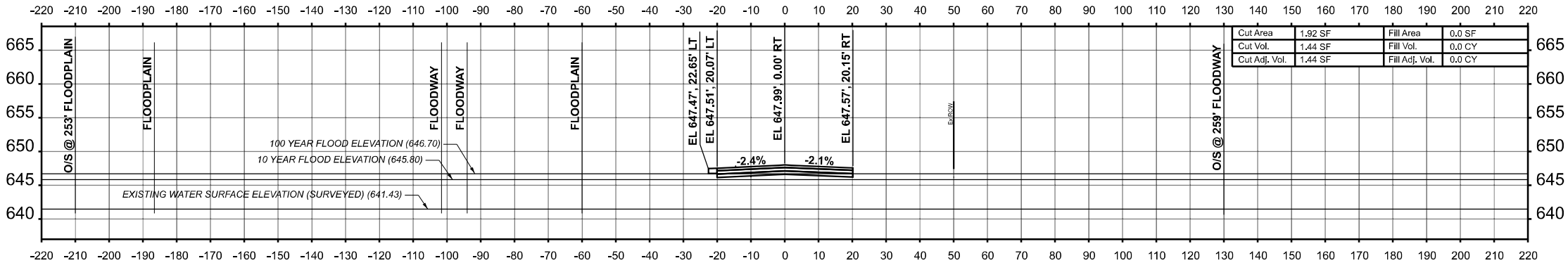
NOTE:
FOR CUT/FILL FLOODPLAIN VALUES SEE
COMPENSATORY STORAGE CALCULATIONS.



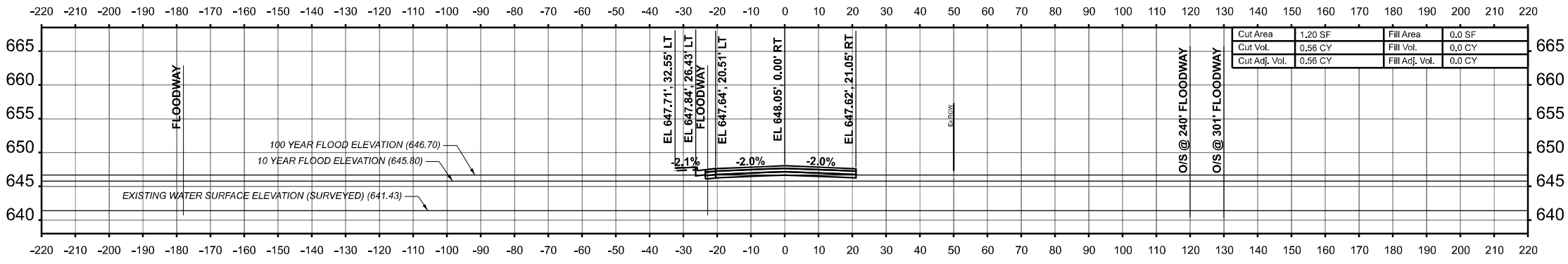
FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: D:\62T84\Draws - 31+25.00 [Sheet]
FILE NAME: J:\2022\0041-1\10162T84\CADD Data\Sheets\CROSS SECTIONS\162T84-xx_Divis.dgn



STA 31+50.00



STA 31+25.00

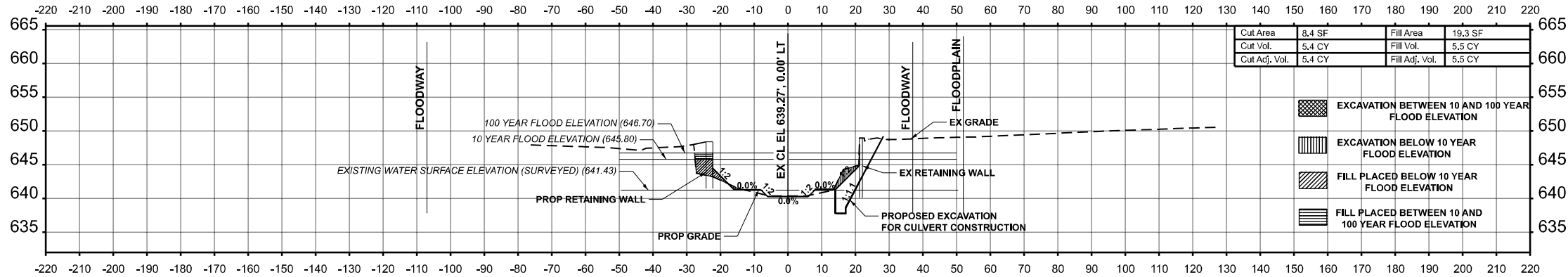
NOTE:
FOR CUT/FILL FLOODPLAIN VALUES SEE
COMPENSATORY STORAGE CALCULATIONS.

 ABNA DESIGN FIRM REG. 184.002117	USER NAME = galsailani	DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B CROSS SECTIONS			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -					2843	FAU 2843 22 CR	COOK	57	55
	PLOT DATE = 10/1/2025	CHECKED - TPP	REVISED -					CONTRACT NO. 62T84				
		DATE - 07/09/25	REVISED -					ILLINOIS FED. AID PROJECT				

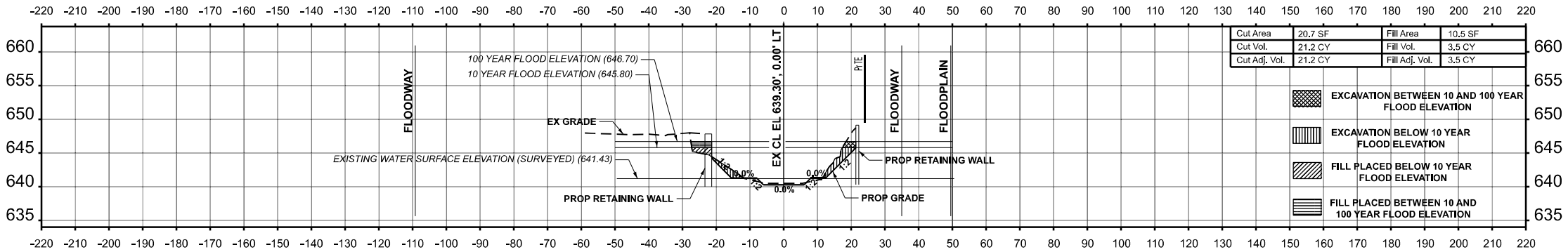
FINAL SURVEY NOTE BOOK NO.	BY	DATE	SURVEYED PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK NO.	BY	DATE	SURVEYED PLOTTED TEMPLATE AREAS CHECKED

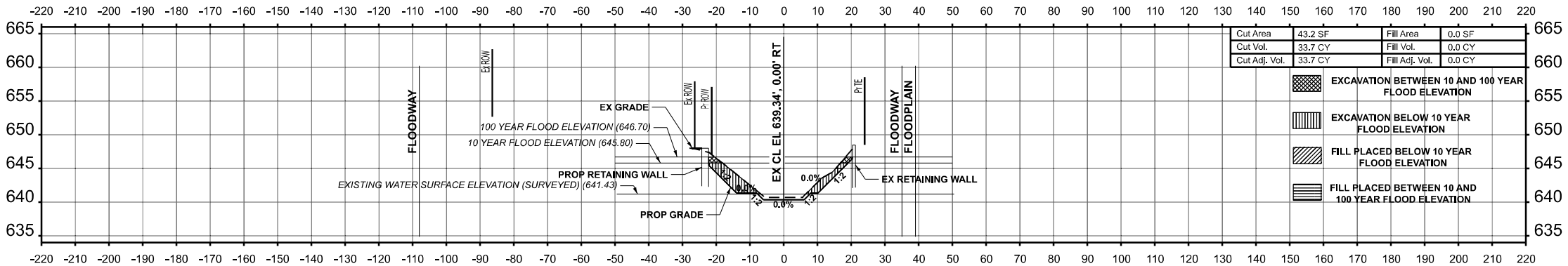
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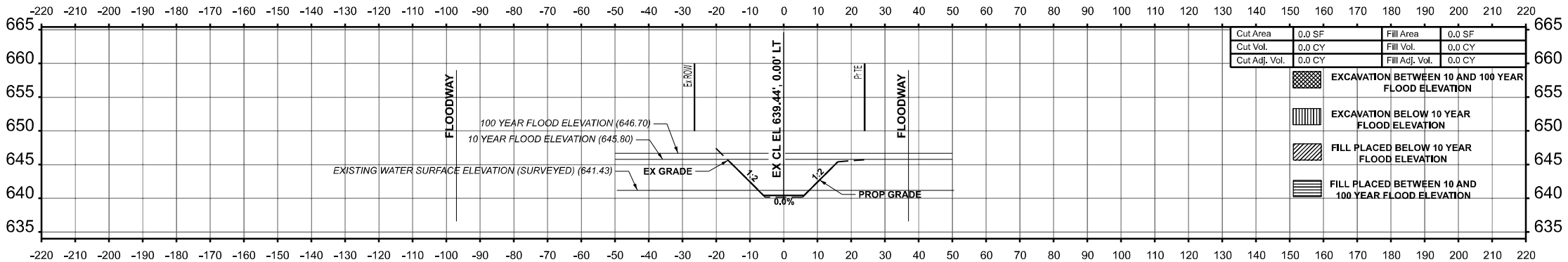
STA 109+60.00



STA 109+50.00



STA 109+32.06



STA 108+90.00



USER NAME = galsaitani	DESIGNED - CT	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -
PLOT DATE = 10/1/2025	CHECKED - TPP	REVISED -
	DATE - 07/09/25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
CROSS SECTIONS

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 49+25.00 TO STA. 51+30.00

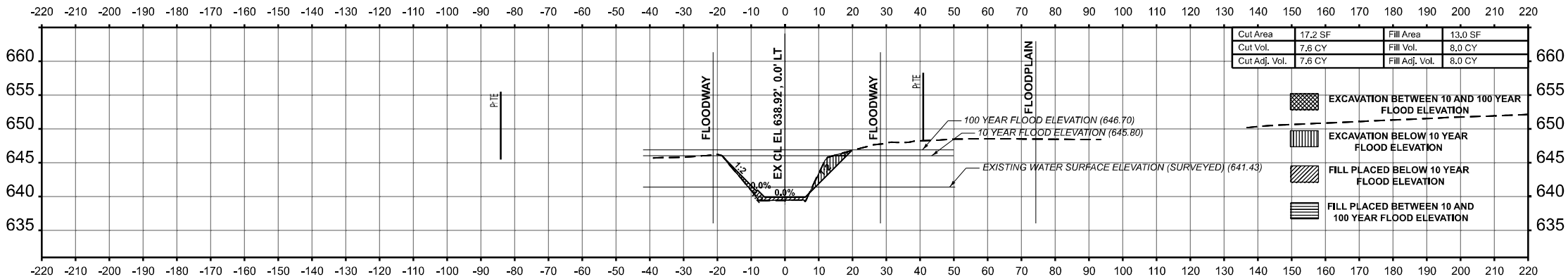
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	56
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR

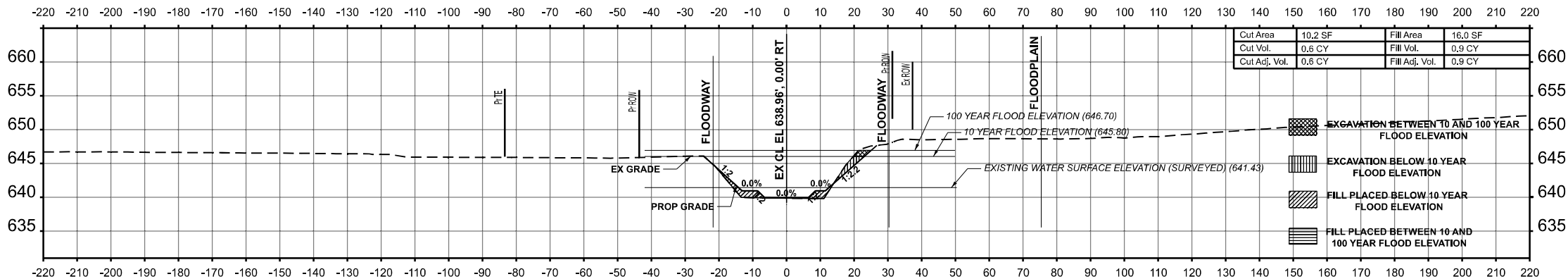
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

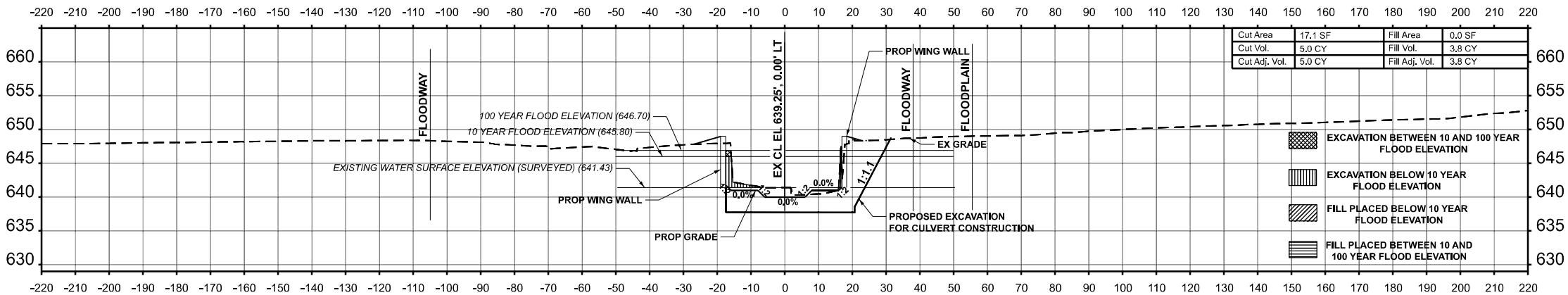
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STA 111+09.60



STA 110+94.60



STA 109+70.5



USER NAME = galsailani	DESIGNED - CT	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - ABD	REVISED -
PLOT DATE = 10/1/2025	CHECKED - TPP	REVISED -
	DATE - 07/09/25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
CROSS SECTIONS

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 51+45.00 TO STA. 51+45.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	FAU 2843 22 CR	COOK	57	57
CONTRACT NO. 62T84				
ILLINOIS FED. AID PROJECT				

FAU 2843 22 CR