07-31-2026 LETTING ITEM 002

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 1 |
| | ILLINOIS | CONTRACT NO. 62T84 | | |

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

# 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

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D-91-302-22


| | |
|---|---|
| Gregory A. Hatlestad, P.E., S.E.<br>Lic. No. 081.005562 Expires: 11/30/2026<br>CZAPLICKI LOPEZ, PLLC (SHTS 24–35) | 05/01/2026<br>Date |
| Thomas P. Pacilicchi, P.E.<br>Lic. No. 062.056747 Expires: 11/30/2027<br>ABNA ENGINEERING (SHTS 1–23 , 36–57) | 05/01/2026<br>Date |

SEAL — STATE OF ILLINOIS — GREGORY A. HATLESTAD — 081.005562 — REGISTERED PROFESSIONAL STRUCTURAL ENGINEER

SEAL — THOMAS P. PACILICCHI — 062.056747 — REGISTERED PROFESSIONAL ENGINEER — STATE OF ILLINOIS

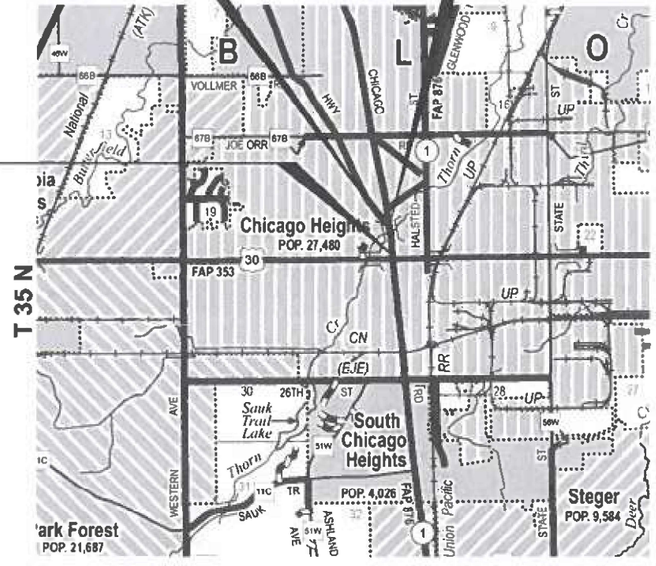
**FUNCTIONAL CLASSIFICATION**
**MINOR ARTERIAL**
**2025 ADT = 6,900**
**SPEED LIMIT = 35 MPH**
**MUNICIPALITY: CITY OF CHICAGO HEIGHTS**

**CULVERT REPLACEMENT**
**EX SN 016–0926**
**PROP SN 016–8321**

**BEGIN IMPROVEMENT**
**STA 25 + 51.17**

**C-91-356-22**

**END IMPROVEMENT**
**STA 34 + 00.00**




100' 200' 300' — 1"= 100'
10' 20' 30' — 1"= 10'
1"= 50'
1"= 40'
1"= 30'
1"= 20'

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 4 20 26
José Rios
REGIONAL ENGINEER

June 26 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

June 26 20 26
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**

## INDEX OF SHEETS



## 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 SHALLASSIST 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 REFELECTIVE 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.

MODEL: GEN NOTES [Sheet]
FILE NAME: J:\2022\6941-17\D1627841\CADD Data\Sheets\D1627841-sht-GEN NOTES.dgn

ABNA DESIGN FIRM REG. 184.002117

| | | | |
|---|---|---|---|
| USER NAME = galsallani | 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.

| 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

REV-SEP

| | 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 |

| | 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 |

* SPECIALTY ITEM

MODEL: SOQ-1 [Sheet]
FILE NAME: J:\2022\60411-17\D1627B4\CADD Data Sheets\D1627B4-sht-SOQ.dgn

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

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTR. CODE 80% FED 20% STATE 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 |

| 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 |

* SPECIALTY ITEM

MODEL: SOQ-2 [Sheet]
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-SOQ.dgn

ABNA DESIGN FIRM REG. 184.002117

| | | | | |
|---|---|---|---|---|
| USER NAME = galsallani | | 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 2 OF 3 SHEETS | STA. | TO STA.

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

FAU 2843 22 CR

| | 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 WAYFARINGTREE 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 |

* SPECIALTY ITEM

MODEL: SOQ-3 [Sheet]
FILE NAME: J:\2022\6041-17\D1627\84\CADD Data\Sheets\D1627\84-sht-SOQ.dgn

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 3 OF 3 SHEETS | STA. | TO STA.

| F.A.U 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

| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTR. CODE<br>80% FED<br>20% STATE<br>ROADWAY<br>0004<br>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

MODEL: SOQ-4 [Sheet]
FILE NAME: J:\2022\6941-17\D162T84\CADD Data\Sheets\D162T84-sht-SOQ.dgn

ABNA
DESIGN FIRM REG. 184.002117

| | | |
|---|---|---|
| USER NAME = galsailani | DESIGNED - CT | REVISED - |
| | DRAWN - ABD | REVISED - |
| 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 | | | |

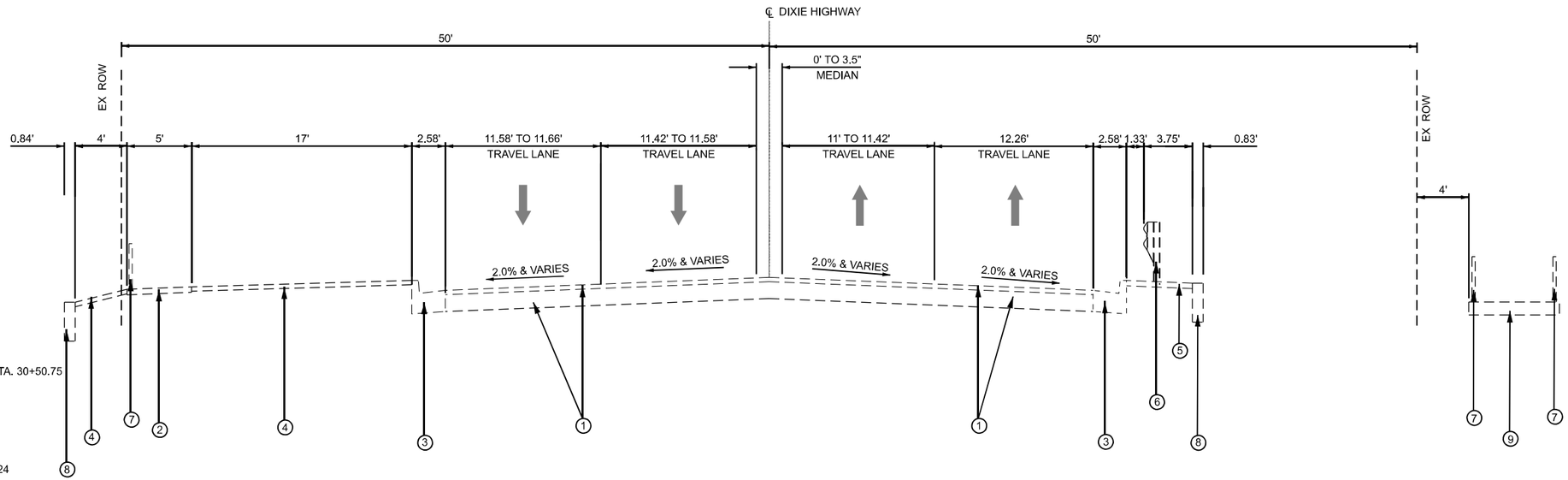
FAU 2843 22 CR

REV-SEP

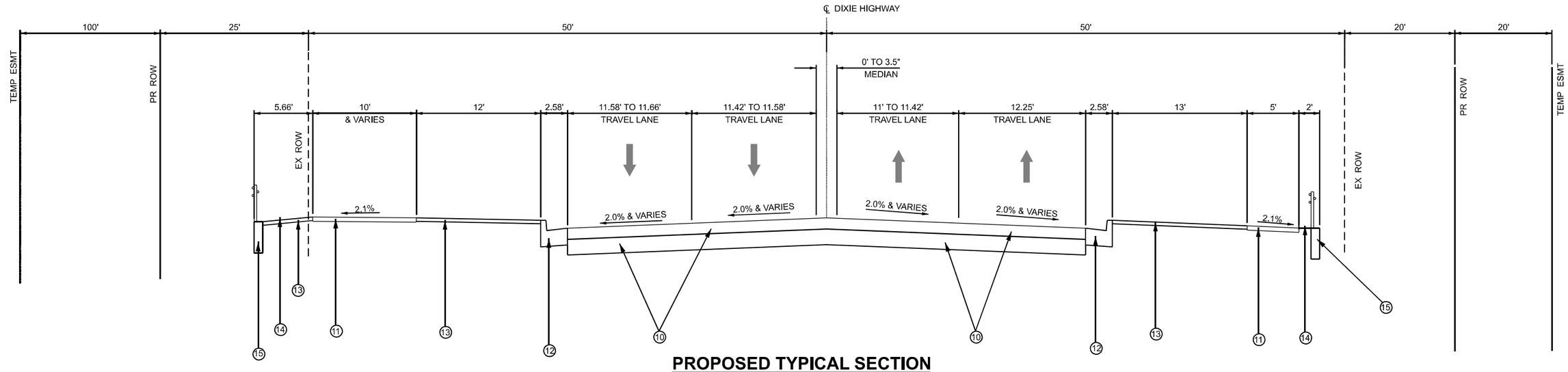
## LEGEND

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: TYPSECTION-1 [Sheet]
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-TYPICALS.dgn

ABNA DESIGN FIRM REG. 184.002117

| | | | |
|---|---|---|---|
| USER NAME = galsallani | 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**

SCALE: 1"=5' | 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 | 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

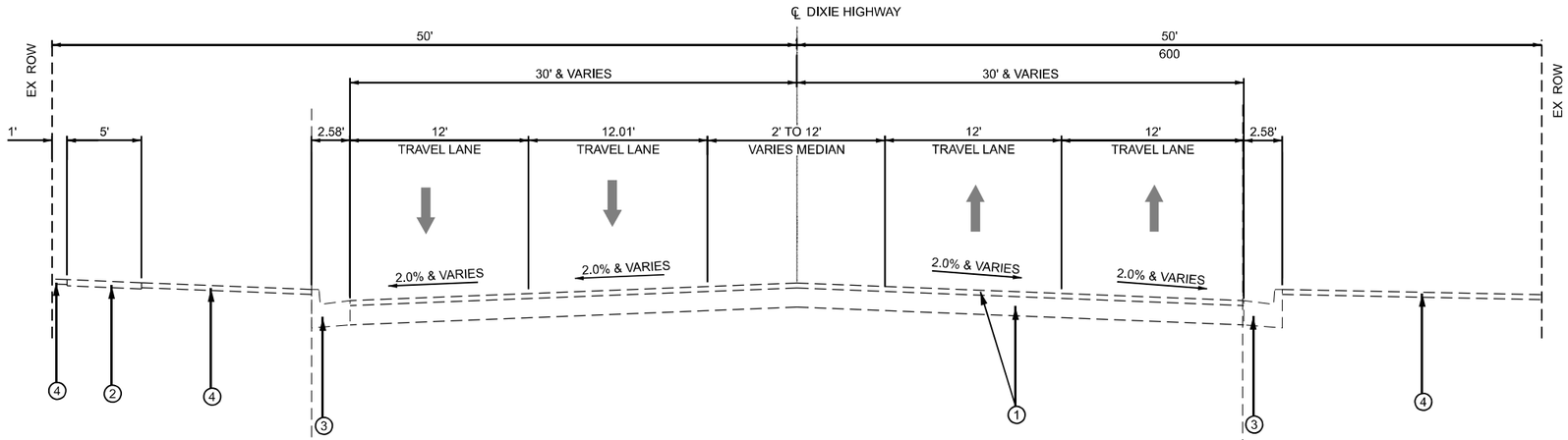
(2) EXISTING P.C.C. SIDEWALK

(3) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.24

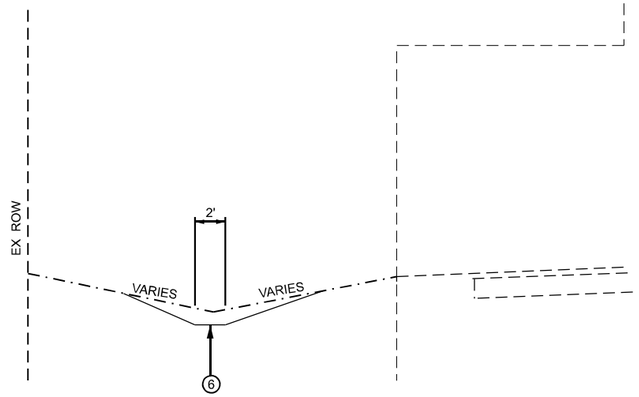
(4) GRASSED PARKWAY

(5) PROPOSED P.C.C. SIDEWALK

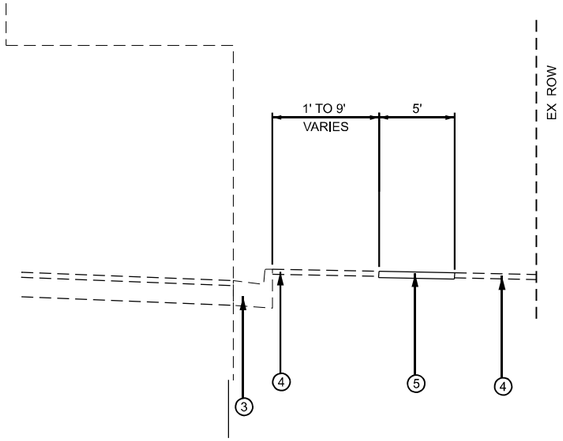
(6) PROPOSED DITCH REGRADING




## 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

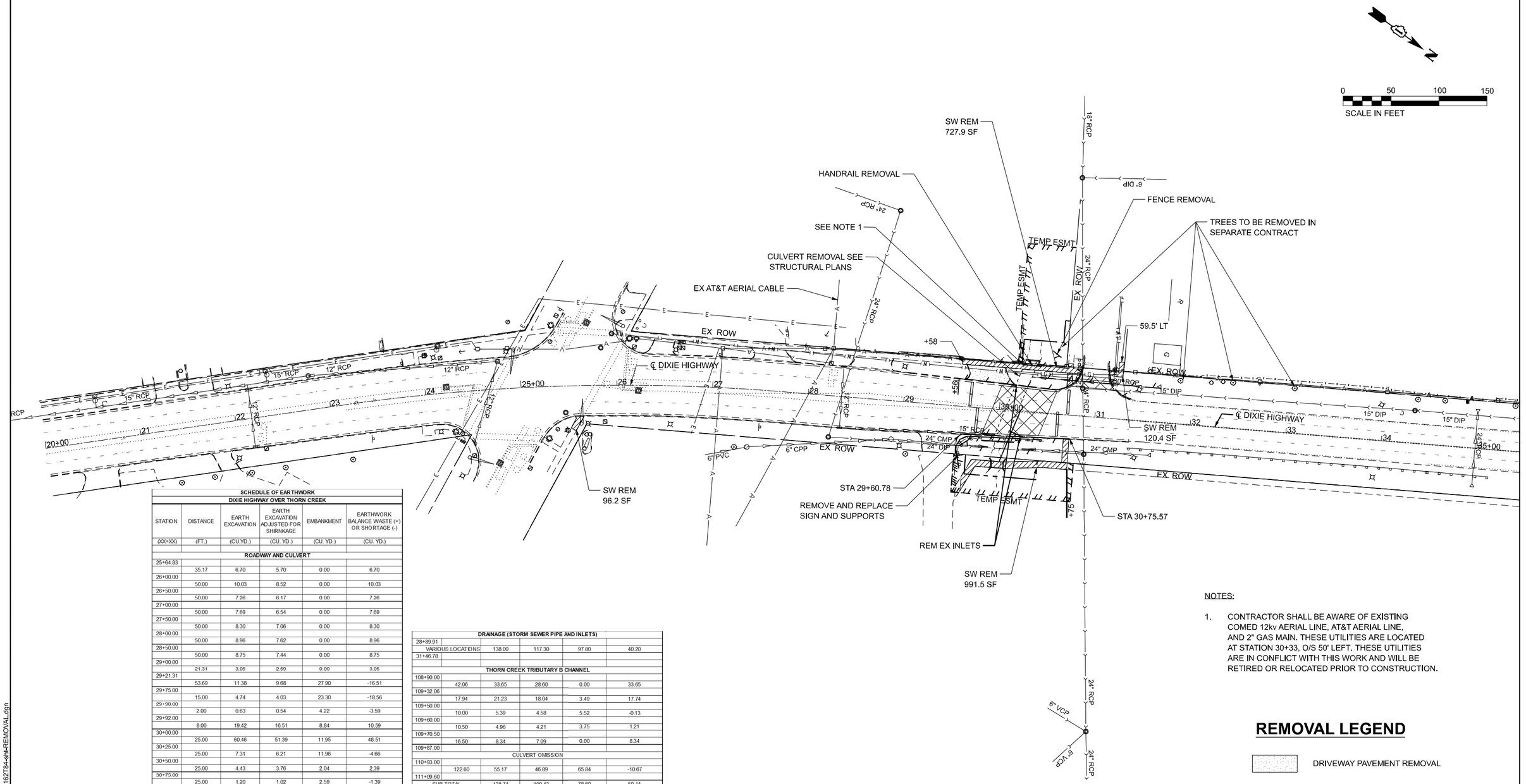



## PROPOSED SIDEWALK
## STA. 25+64.83 TO STA 30+75.10

MODEL: TYPSECTION-3 [Sheet]
FILE NAME: J:\2022\6041-17\D162T84\CADD Data\Sheets\D162T84-sht-TYPICALS.dgn

| | | | | | |
|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 | USER NAME = galsallani | DESIGNED - CT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B TYPICAL SECTIONS |
| | | DRAWN - ABD | REVISED - | | |
| | PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | | SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. TO STA. |
| | PLOT DATE = 4/27/2026 | DATE - 04/02/2025 | REVISED - | | |

| 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 | | |




**SCHEDULE OF EARTHWORK**
**DIXIE HIGHWAY OVER THORN CREEK**

| STATION | DISTANCE | EARTH EXCAVATION | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
|---|---|---|---|---|---|
| (XX+XX) | (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 | 40.20 |
| 31+46.78 | | | | | |
| THORN CREEK TRIBUTARY B CHANNEL | | | | | |
| 108+90.00 | | | | | |
| | 42.06 | 33.65 | 28.60 | 0.00 | 33.65 |
| 109+32.06 | | | | | |
| | 17.94 | 21.23 | 18.04 | 3.49 | 17.74 |
| 109+50.00 | | | | | |
| | 10.00 | 5.39 | 4.58 | 5.52 | -0.13 |
| 109+60.00 | | | | | |
| | 10.50 | 4.96 | 4.21 | 3.75 | 1.21 |
| 109+70.50 | | | | | |
| | 16.50 | 8.34 | 7.09 | 0.00 | 8.34 |
| 109+87.00 | | | | | |
| CULVERT OMISSION | | | | | |
| 110+93.00 | | | | | |
| | 122.60 | 55.17 | 46.89 | 65.84 | -10.67 |
| 111+09.60 | | | | | |
| SUB TOTAL | | 128.74 | 109.43 | 78.60 | 50.14 |
| **TOTAL** | | **709.73** | **603.27** | **270.49** | **439.23** |

NOTES:

1. 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: D162T84-REMOVAL Plan 1
FILE NAME: J:\2022\6041-17\D162T84\CADD Data\Sheets\D162T84-sht-REMOVAL.dgn

ABNA DESIGN FIRM REG. 184.002117

| | | |
|---|---|---|
| USER NAME = galsaillani | DESIGNED - CT | REVISED - |
| | DRAWN - ABD | REVISED - |
| 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**
**REMOVAL PLAN**

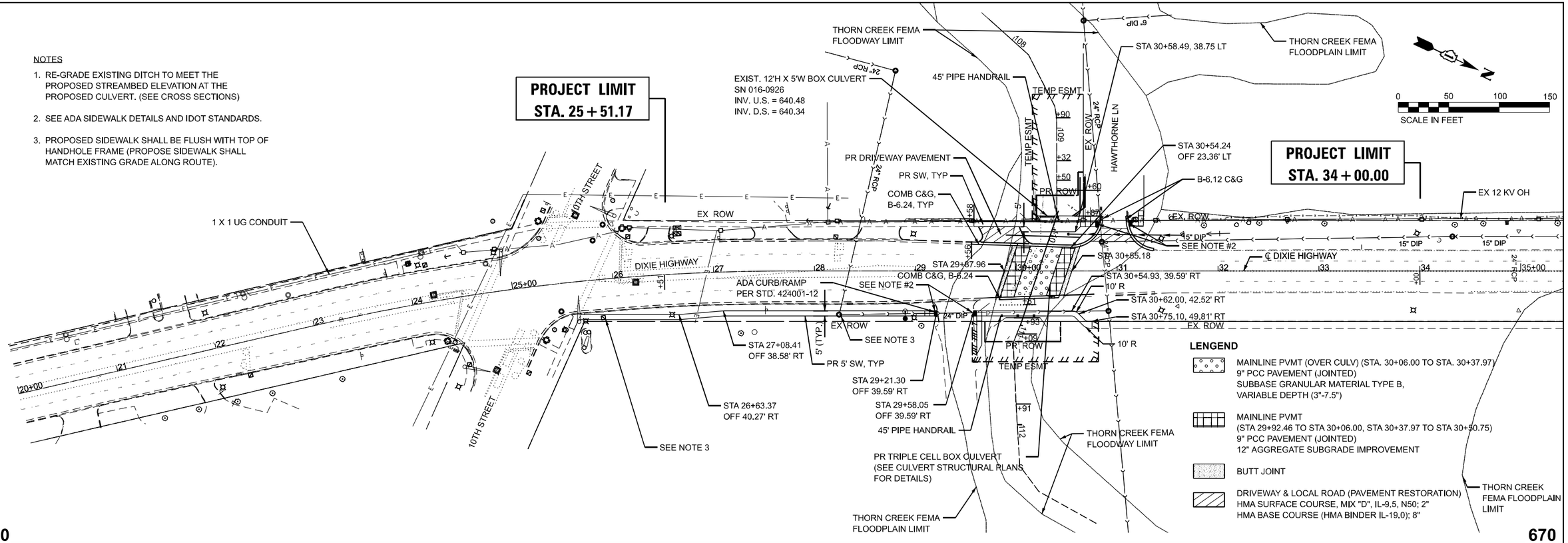
SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 20+00.00 TO STA. 35+00.00

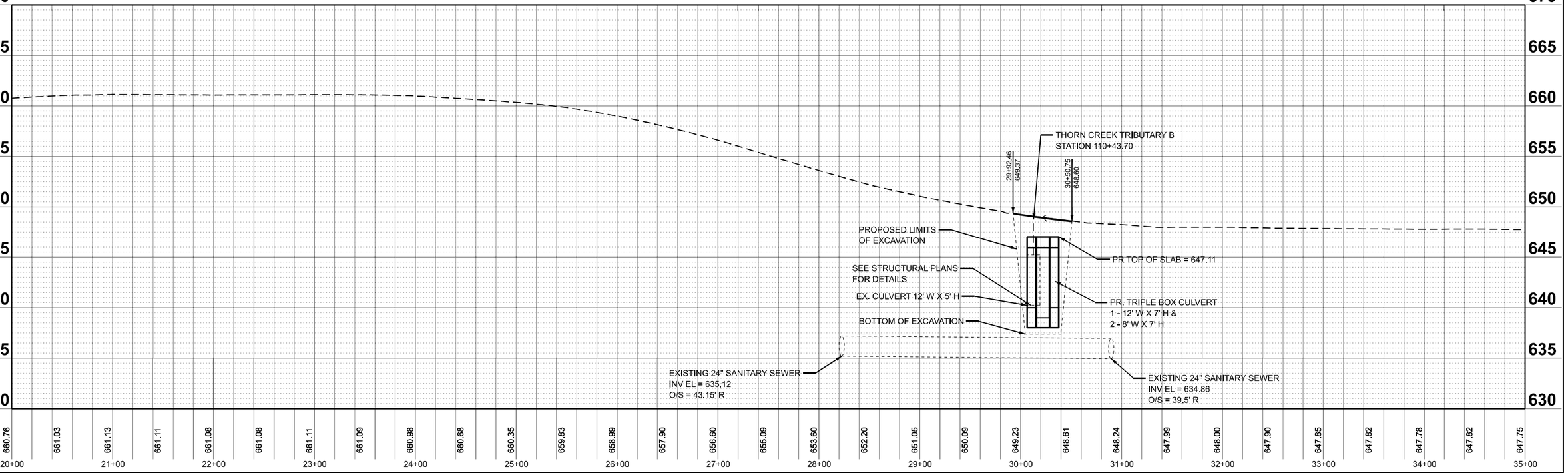
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 9 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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).




MODEL: Plan1 [Sheet]
FILE NAME: J:\2022\6041-17\D162T84\CADD Data\Sheets\D162T84-ehl-plan-profile.dgn

ABNA DESIGN FIRM REG. 184.002117

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

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**PLAN AND PROFILE**

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 | 10 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |

FAU 2843 22 CR

## 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

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

EX.


M3-1-2412

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

M4-9R-3030

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\6041-17\D162T84\CADD Data\Sheets\D162T84-sht-Detour.dgn

ABNA
DESIGN FIRM REG. 184.002117

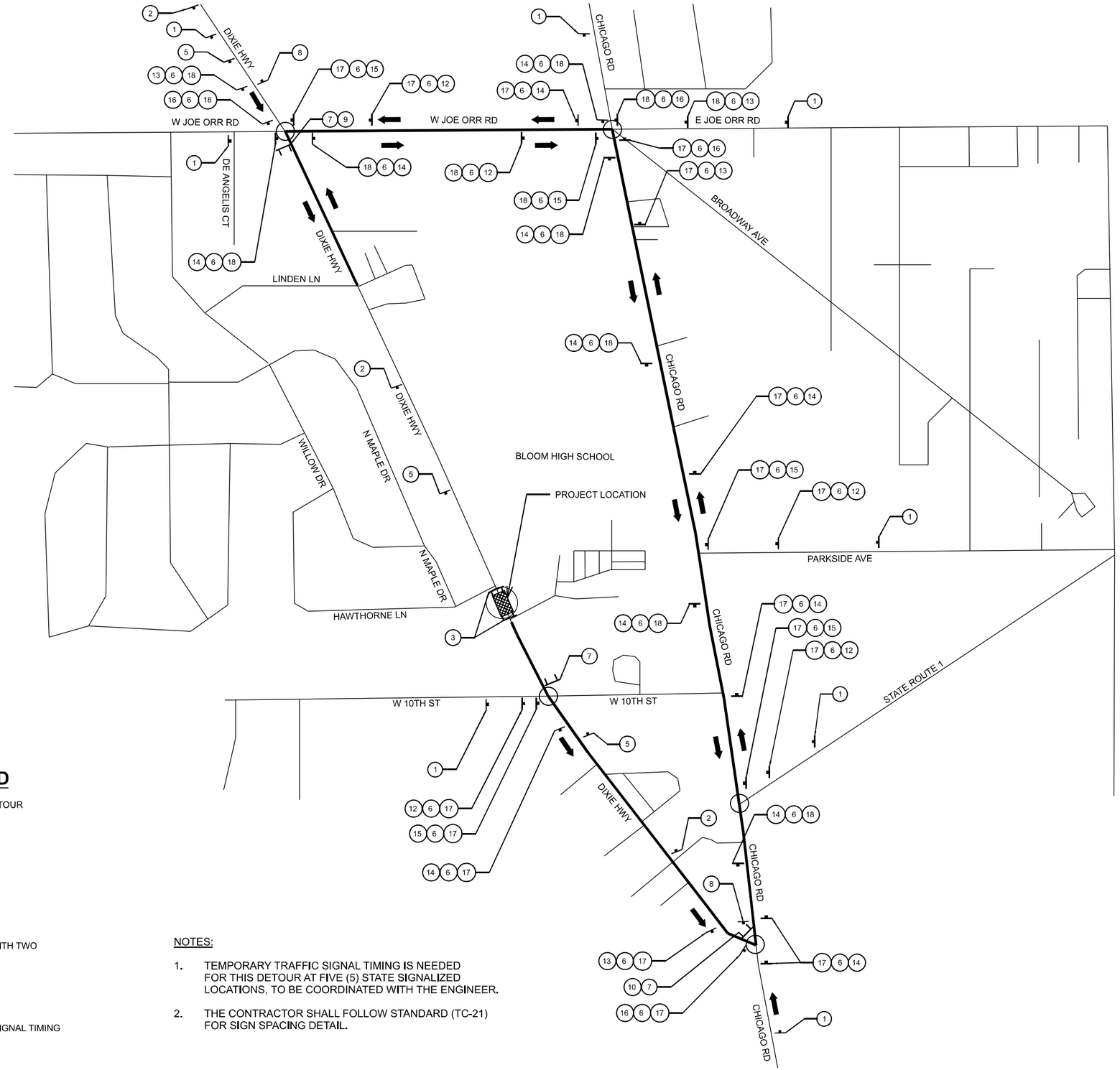
| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - GA | REVISED - | |
| | DRAWN - GA | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 6/10/2026 | DATE - 6/10/2026 | REVISED - | |

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 (19 / 2 / 3)
- DETOUR ROUTE
- TYPE III BARRICADES WITH TWO FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- TEMPORARY TRAFFIC SIGNAL TIMING

NOTES:

1. TEMPORARY TRAFFIC SIGNAL TIMING IS NEEDED FOR THIS DETOUR AT FIVE (5) STATE SIGNALIZED LOCATIONS, TO BE COORDINATED WITH THE ENGINEER.
2. 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\6041-17\D162T84\CADD Data\Sheets\D162T84-sht-Detour.dgn

ABNA DESIGN FIRM REG. 184.002117

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

**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://IDOT/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 EROSIVE. 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

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| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 9/18/2024 | DATE - 08/22/24 | 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. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 13 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

FAU 2843 22 CR


## LEGEND

- PERIMETER EROSION BARRIER (PEB)
- xxx — xxx — 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\D162784\CADD Data\Sheets\D162784-sht-EROS 50 SCALE.dgn

ABNA
DESIGN FIRM REG. 184.002117

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| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| 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

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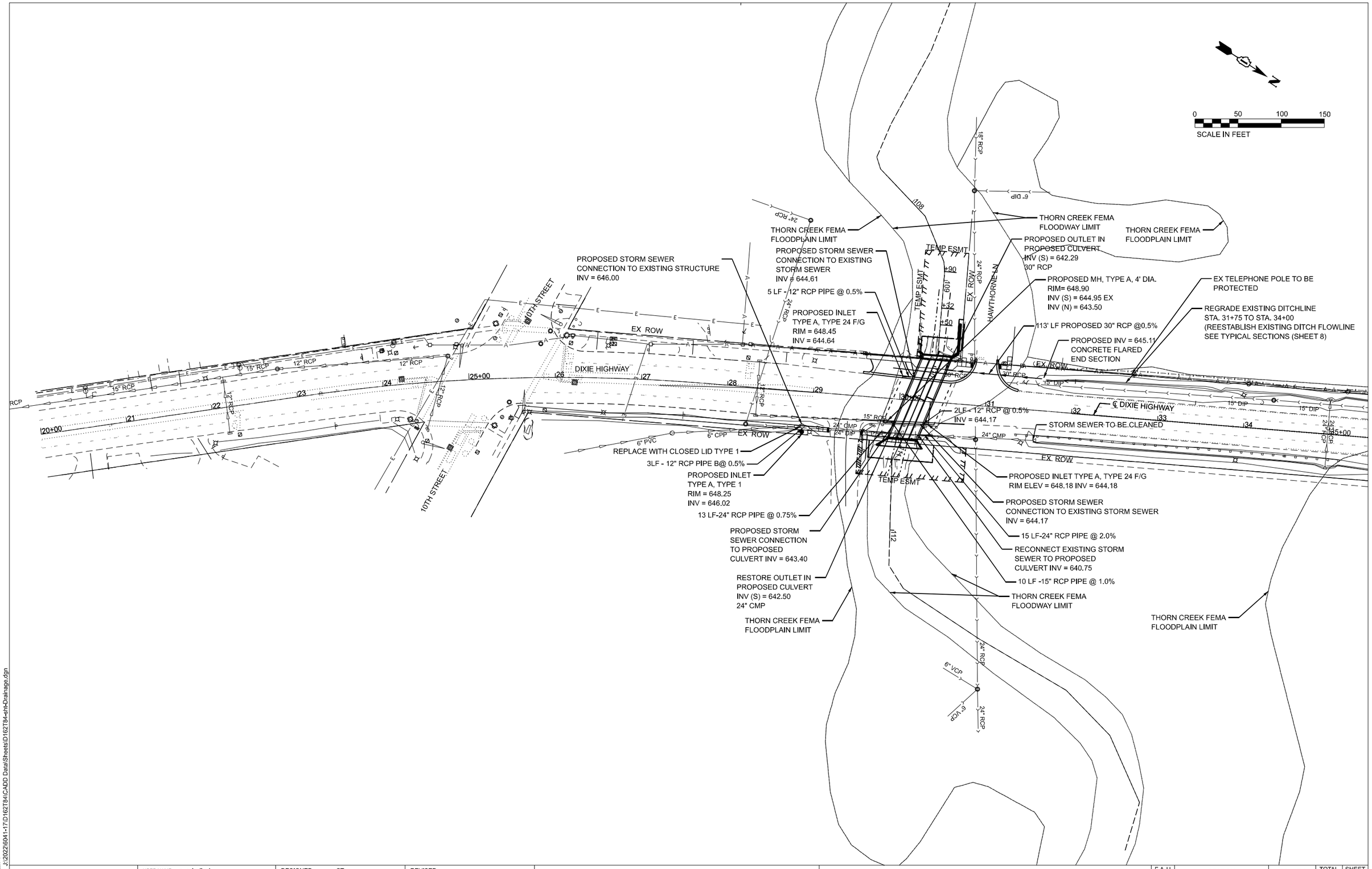
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

FAU 2843 22 CR

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ABNA
DESIGN FIRM REG. 184.002117

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| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | 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**
**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


LOCATION OF SECTION INDICATED THUS: – ▬ –

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

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

## CONTRACT NO. 62T84

| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 9/29/2025 | DATE - 08/22/24 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
SUE PLAN-I

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 | 16 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |

FAU 2843 22 CR

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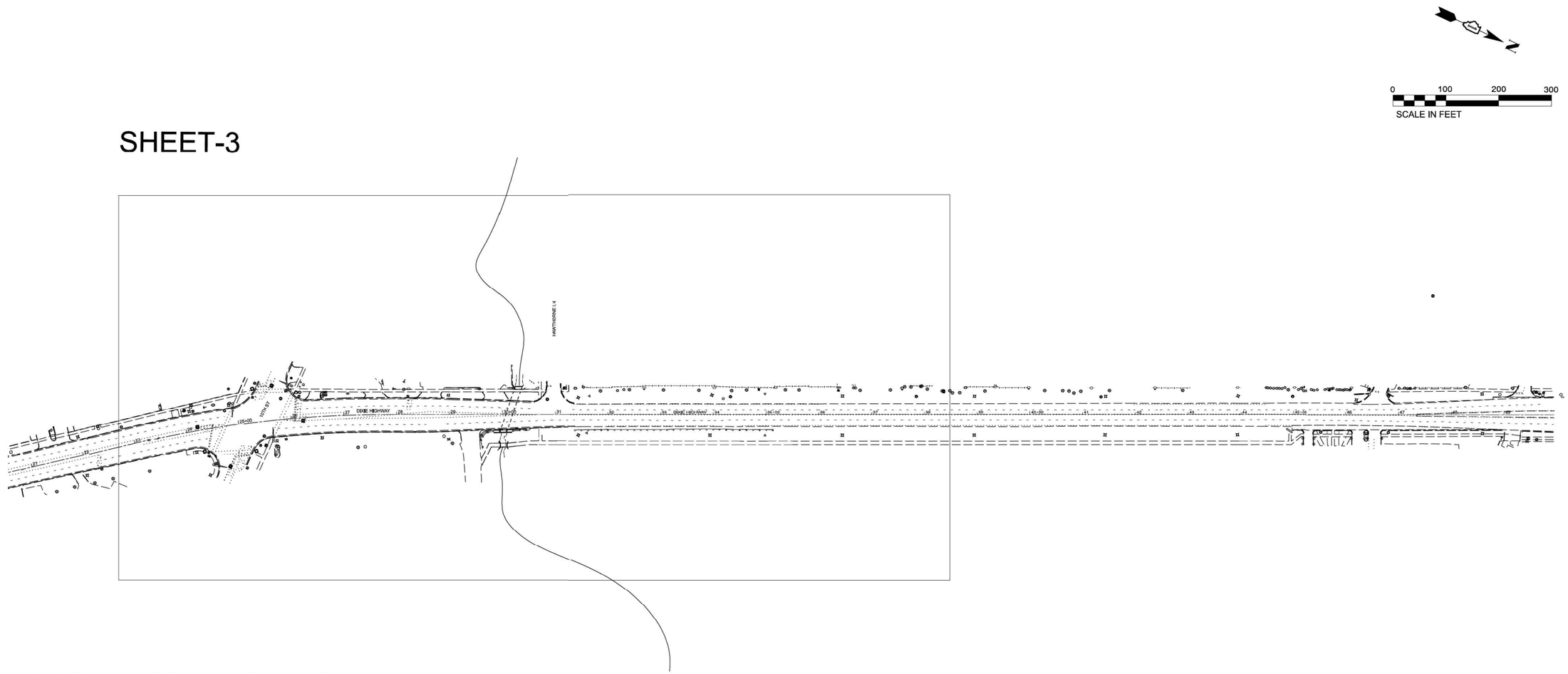


NOTES:

UTILITY INFORMATION DEPICTED IN COLOR WAS DERIVED FROM A SUE QUALITY LEVEL A AND B STUDY USING VARIOUS GEOPHSICAL METHODS. PIPE AND CABLE LOCATORS, GROUND PENTRATING 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 MEASURMENT 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 UTILTIES. 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 UTLITY 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 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.

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

## UTILITY LEGEND:

- A - AERIAL
- UNKNOWN UTILITY
- O - OIL (PETROLEUM)
- CTV - CABLE TV
- T - TELEPHONE
- G - GAS
- E - ELECTRIC
- TRAFFIC SIGNAL/LIGHTING
- W - WATER
- FORCE MAIN
- FO - FIBER OPTIC
- STORM SEWER
- SANITARY SEWER

D - DEPTH
EOI - END OF INFORMATION
ED - ELECTRONIC DEPTH
DBC - DIRECT BURIED CABLE
CI - CALCULATED INVERT
TEST HOLE
TS - TRAFFIC SIGNAL
PROPOSED CONFLICT

THOMAS M. CODY
062.045847
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

*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

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

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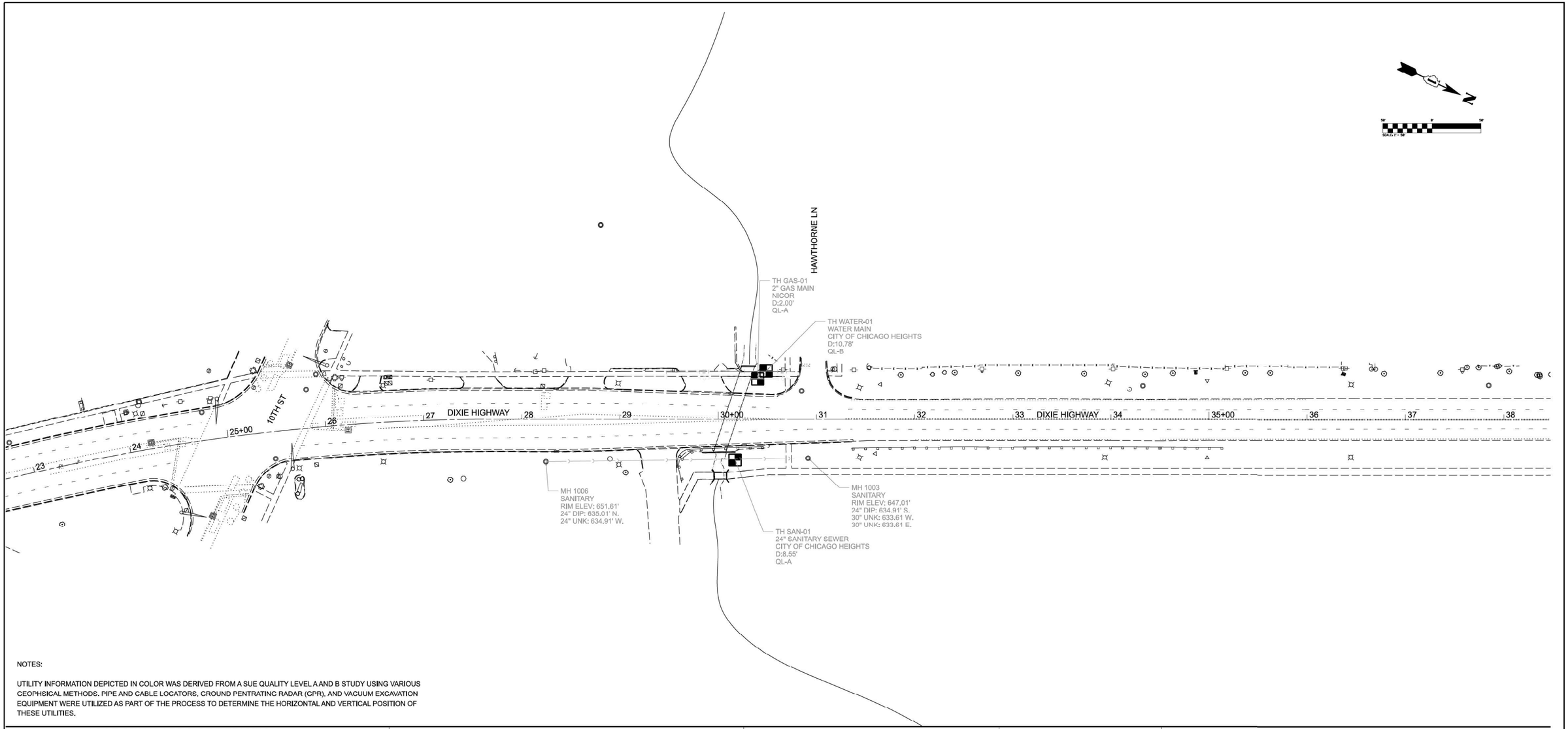
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 4/23/2026 | DATE - 08/22/24 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

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

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 | 17 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS FED. AID PROJECT | | | |




NOTES:

UTILITY INFORMATION DEPICTED IN COLOR WAS DERIVED FROM A SUE QUALITY LEVEL A AND B STUDY USING VARIOUS GEOPHSICAL METHODS. PIPE AND CABLE LOCATORS, GROUND PENTRATING 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 MEASURMENT 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 UTILTIES.
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 UTLITY 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 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.

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
EOI - END OF INFORMATION
ED - ELECTRONIC DEPTH
DBC - DIRECT BURIED CABLE
CI - CALCULATED INVERT
TS - TEST HOLE
TS - TRAFFIC SIGNAL
- PROPOSED CONFLICT

THOMAS M. CODY
062.045847
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

*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

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

SA_202315P

MODEL: SUE PLAN-3 [Sheet]
FILE NAME: J:\2022\6041-17\D162T84\CADD Data\Sheets\D162T84-eht-SUE PLANS.dgn

| | | | |
|---|---|---|---|
| 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 GEOPHSICAL METHODS. PIPE AND CABLE LOCATORS, GROUND PENTRATING 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 MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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

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## UTILITY LEGEND:

- A — A — AERIAL
- UNKNOWN UTILITY
- O — O — C — OIL (PETROLEUM)
- CTV — CTV — CABLE TV
- T — T — TELEPHONE
- G — G — GAS
- E — E — ELECTRIC
- TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- FORCE MAIN
- FO — FO — FIBER OPTIC
- STORM SEWER
- SANITARY SEWER

D - DEPTH
EOI - END OF INFORMATION
ED - ELECTRONIC DEPTH
DBC -DIRECT BURIED CABLE
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TEST HOLE
TS - TRAFFIC SIGNAL
PROPOSED CONFLICT

THOMAS M. CODY
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REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

*SIGNATURE*

*03/24/2025*
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COMBINATION FACTOR: 0.99999156 NOTE: TO OBTAIN GROUND DISTANCE DIVIDE THE GRID DISTANCE SHOWN BY THE COMBINATION FACTOR.

IDOT W.O. 716

SANCHEZ
180 CROSSEN AVENUE,
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PHONE: 773-444-0144
FAX: 847-232-3104
DESIGN FIRM
REGISTRATION NO: 184-004601

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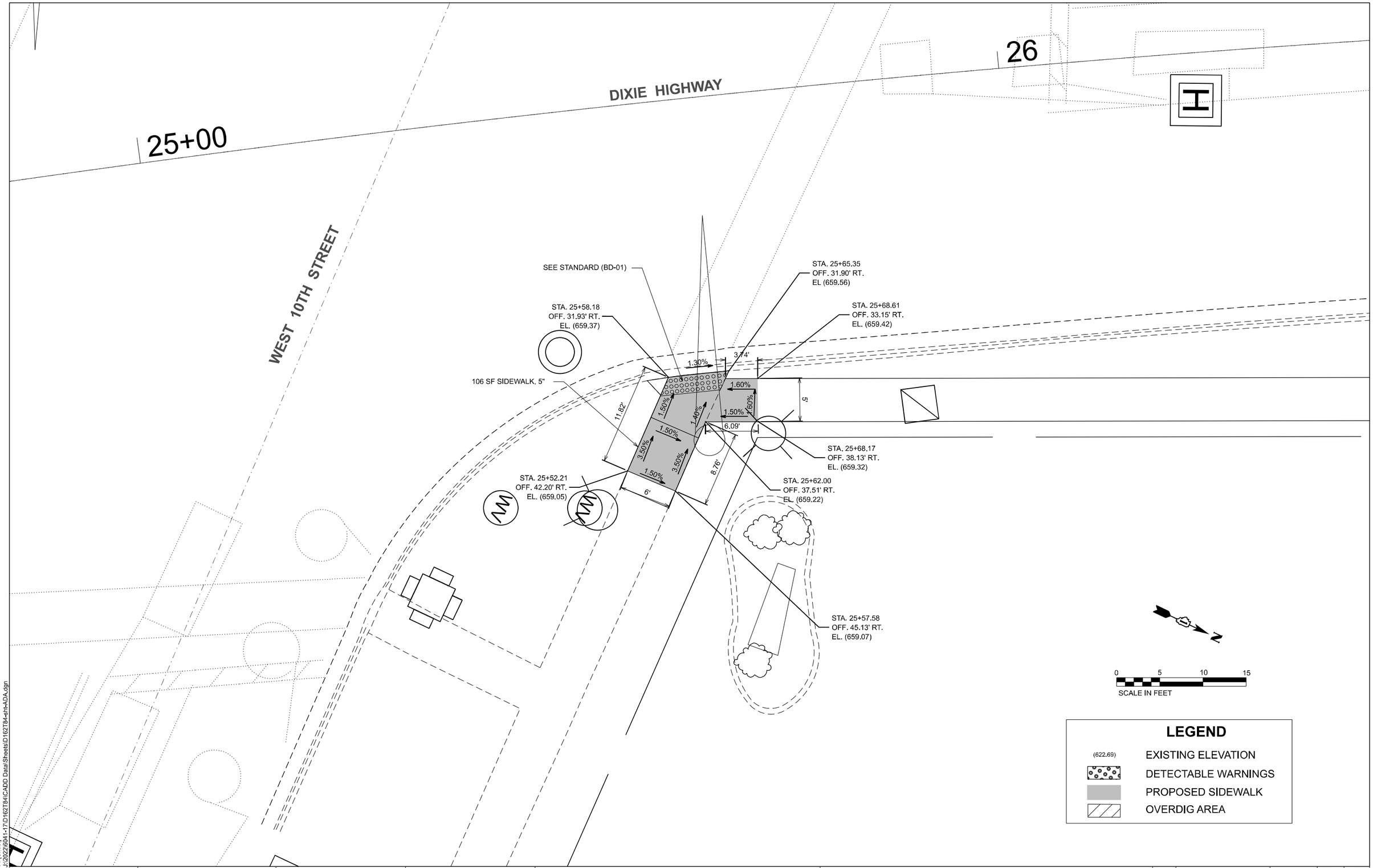
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 4/23/2026 | DATE - 08/22/24 | REVISED - | |

**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 | | | |

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ABNA
DESIGN FIRM REG. 184.002117

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

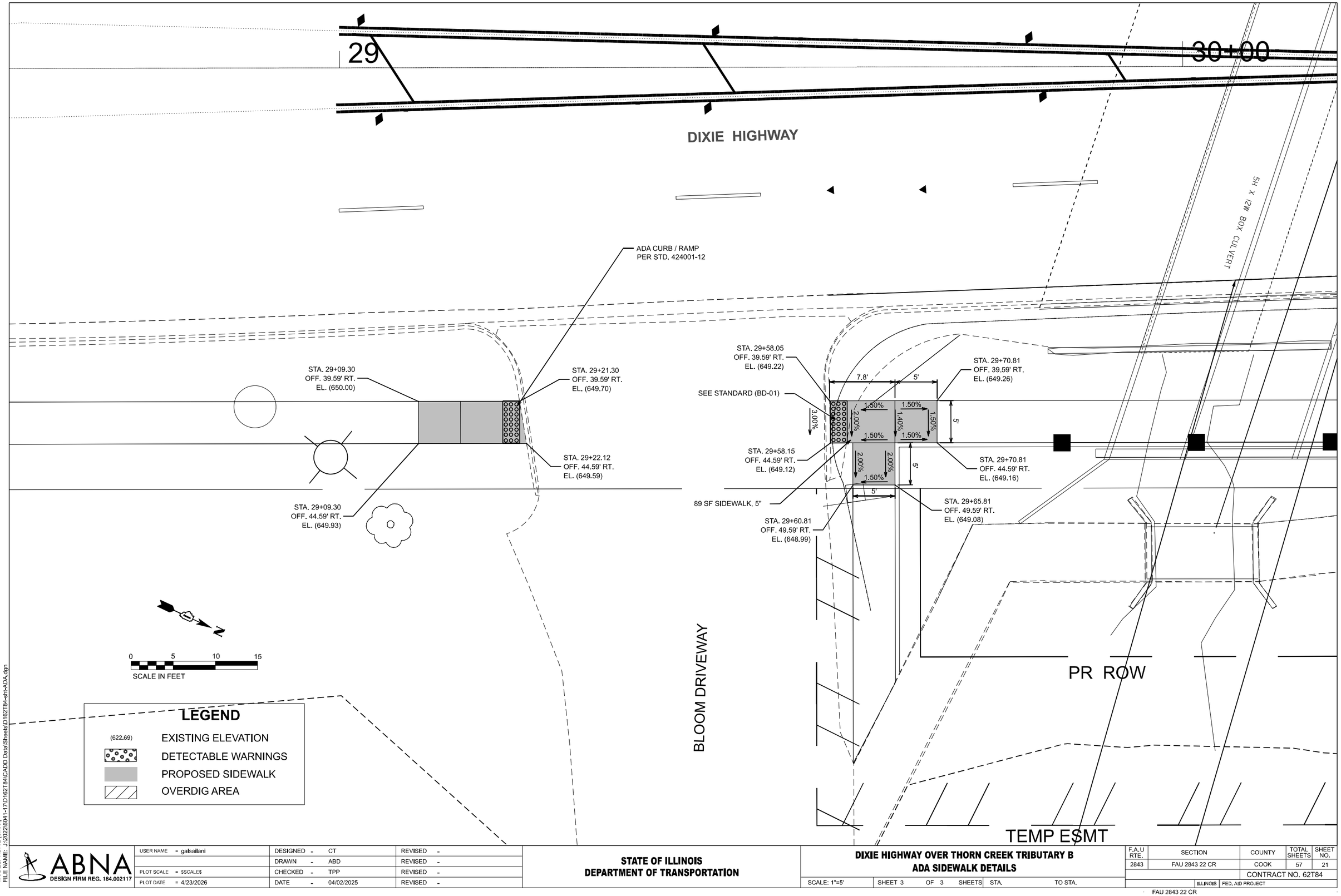
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**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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ABNA
DESIGN FIRM REG. 184.002117

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

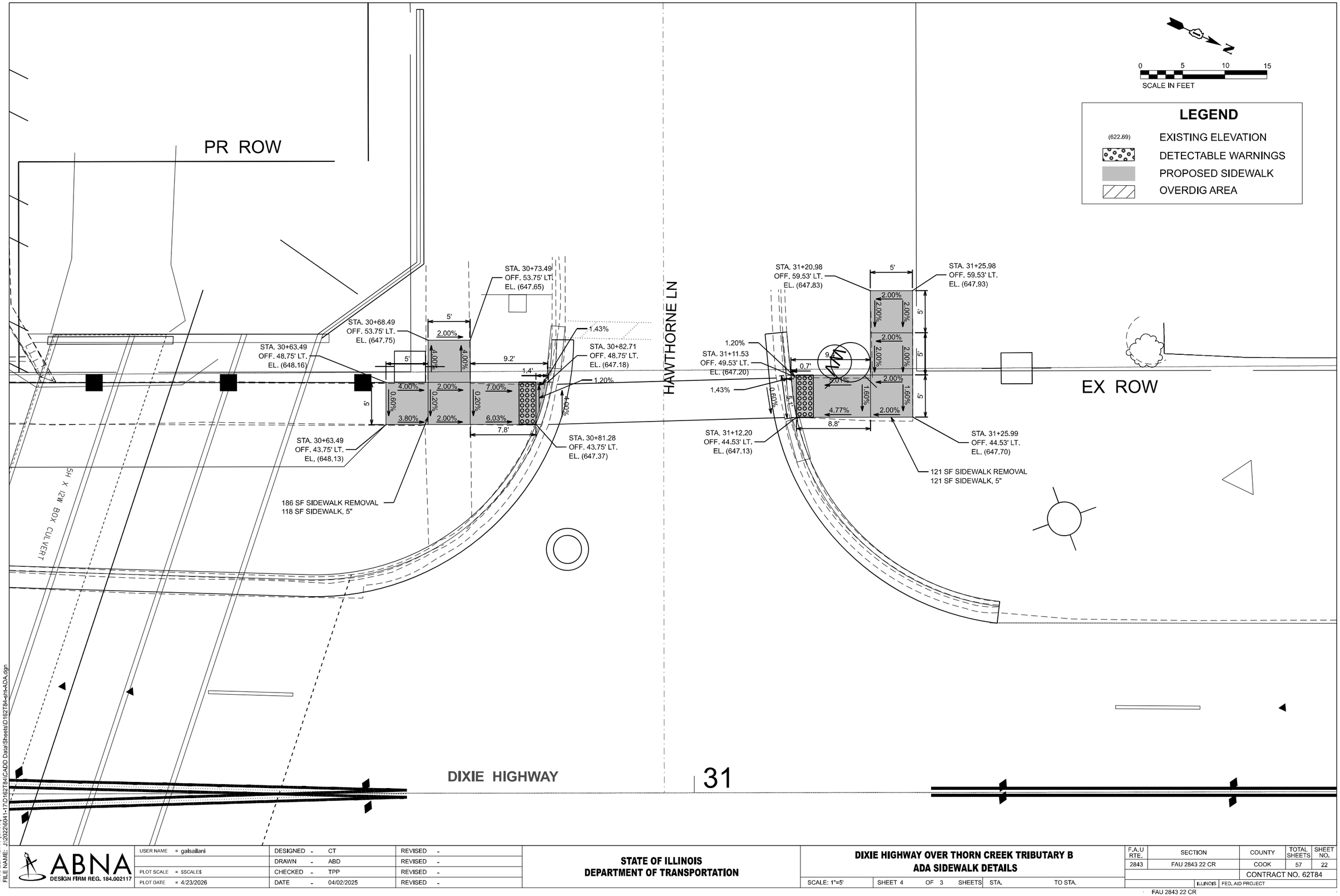
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**ADA SIDEWALK DETAILS**

SCALE: 1"=5' | 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 | 21 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS FED. AID PROJECT | | | |

FAU 2843 22 CR

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

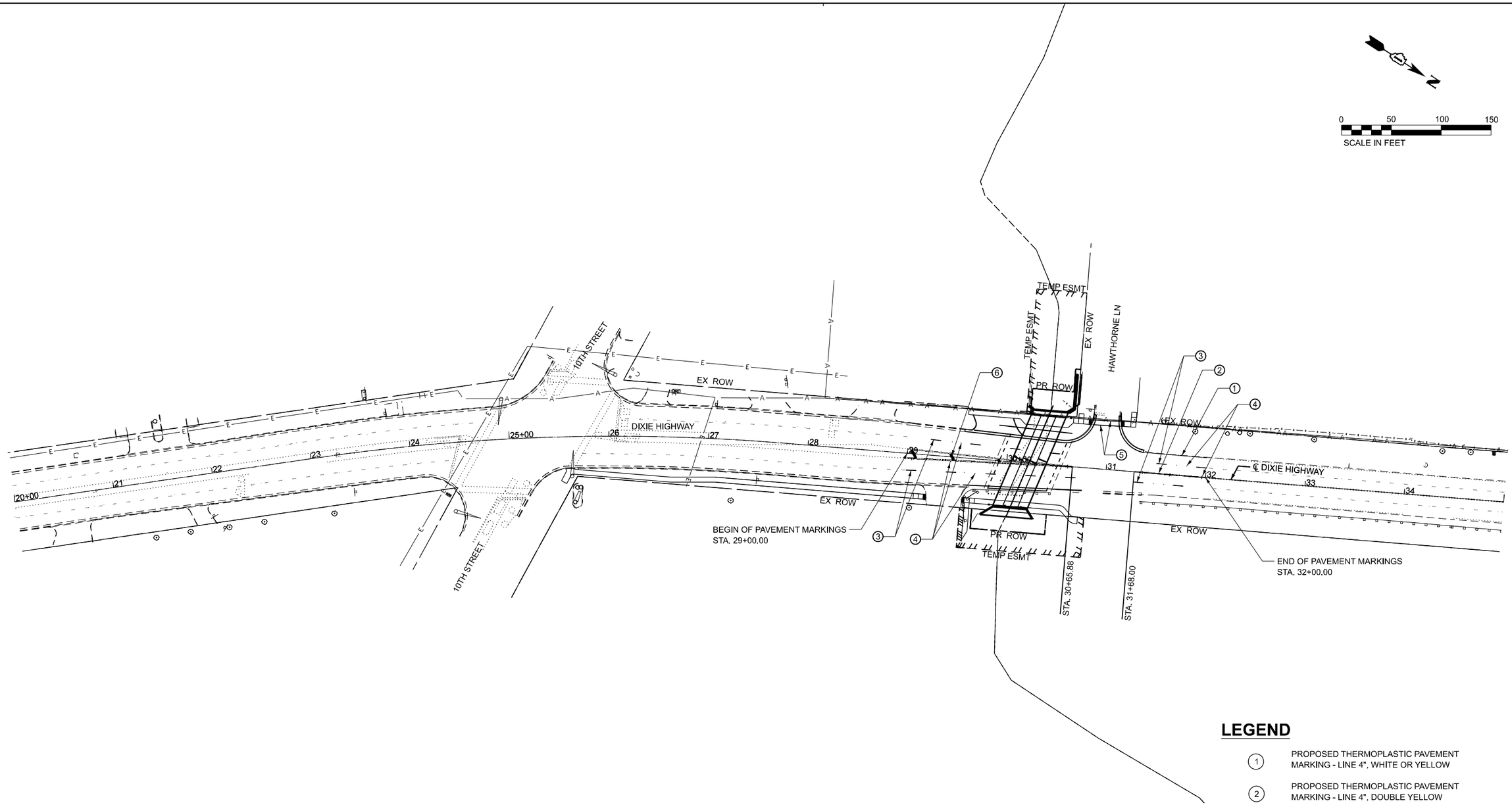
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**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




## 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

NOTE:

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

MODEL: PMK-PLAN 1
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-PMK.dgn

ABNA
DESIGN FIRM REG. 184.002117

| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | 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

*Benchmark:*
*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.*

## LOADING HL-93

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

## DESIGN SPECIFICATIONS

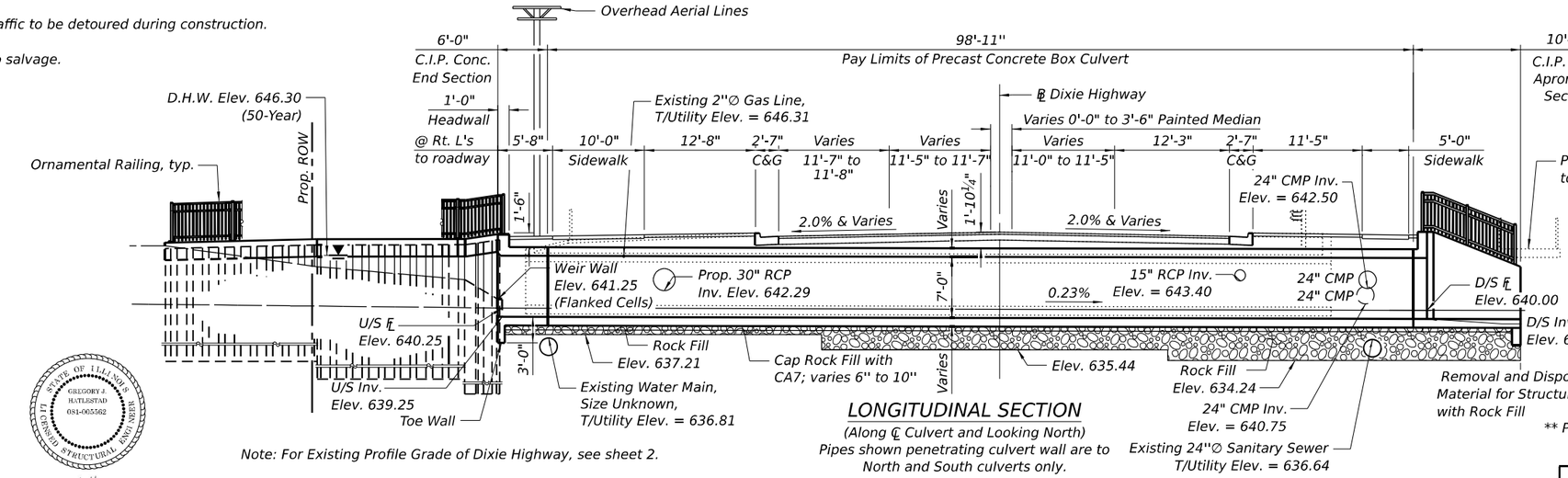
*2024 AASHTO LRFD Bridge Design Specifications, 10th Edition*

## DESIGN STRESSES

*(Retaining Wall)*
*FIELD UNITS*
*f 'c = 3,500 psi (Wall Cap)*
*fy = 60,000 psi (Reinforcement)*
*fy = 50,000 psi (Sheet Piling - ASTM A572 Grade 50)*

## DESIGN STRESSES

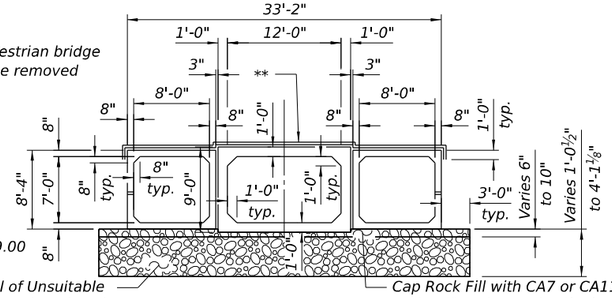
*(Culvert)*
*FIELD UNITS*
*f 'c = 3,500 psi*
*fy = 50,000 psi (M270 Gr. 50)*
*fy = 50,000 psi (Reinforcement)*
*PRECAST UNITS*
*f 'c = 5,000 psi*
*fy = 65,000 psi (Welded Wire Reinforcement)*




Note: For Existing Profile Grade of Dixie Highway, see sheet 2.

## LONGITUDINAL SECTION

*(Along ℄ Culvert and Looking North)*
*Pipes shown penetrating culvert wall are to North and South culverts only.*




## SECTION THRU BARREL

** Pay Limits for Membrane Waterproofing for Buried Concrete Structures

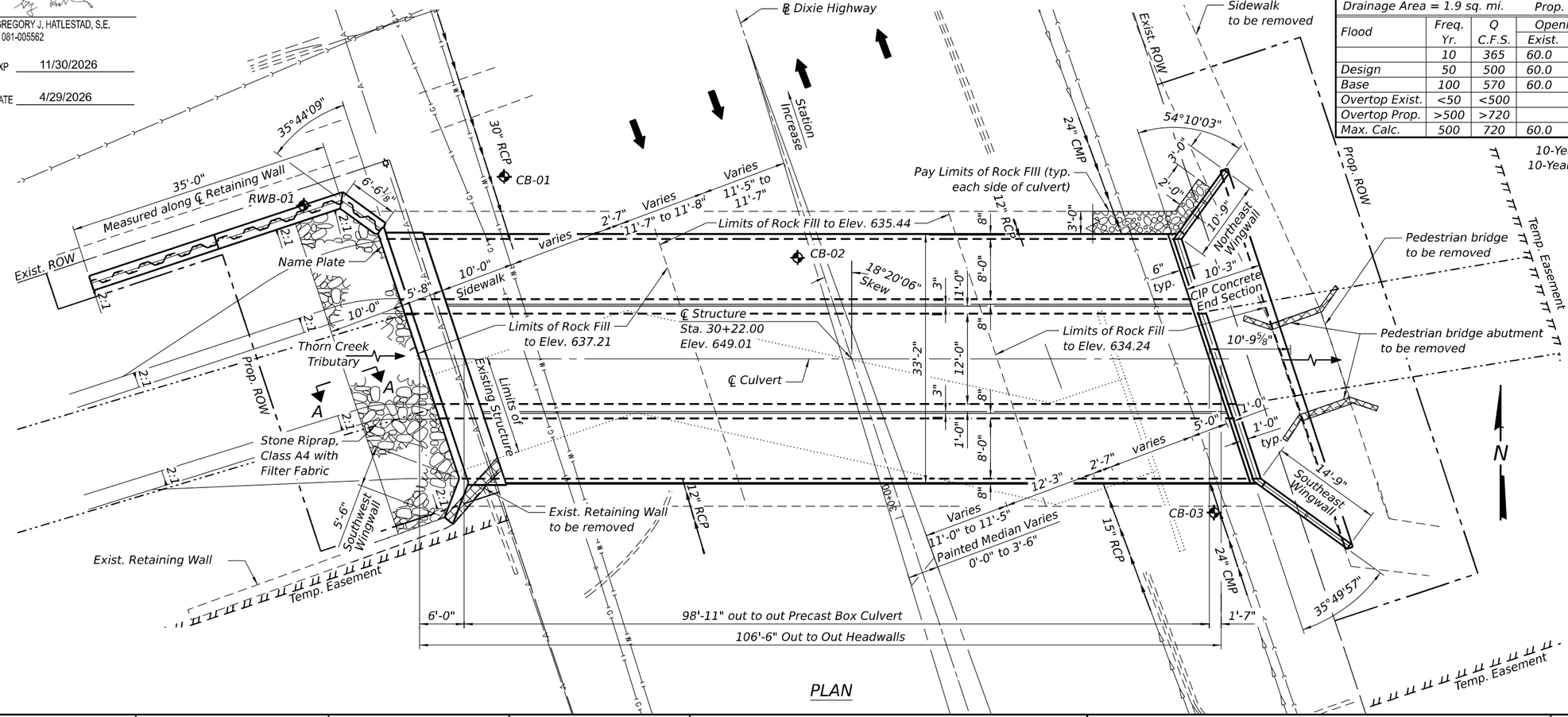
Cap Rock Fill with CA7 or CA11 Varies 6" underneath 12'x7' to 10" underneath 8'x7'

## WATERWAY INFORMATION

*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*

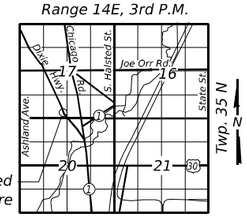



## PLAN

## LEGEND

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

*Range 14E, 3rd P.M.*




## LOCATION SKETCH

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

STATE OF ILLINOIS — GREGORY J HATLESTAD 081-005562 — LICENSED STRUCTURAL ENGINEER

GREGORY J. HATLESTAD, S.E.
# 081-005562
EXP 11/30/2026
DATE 4/29/2026


CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184.008135


| | | | | | |
|---|---|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | | |
| | CHECKED - GJH | REVISED - | | | |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | | | |
| PLOT DATE = | CHECKED - GJH | REVISED - | | | |

SHEET 1 OF 12 SHEETS

| 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 | |

MODEL: Sheet
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4/29/2026 1:20:56 PM

## 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.

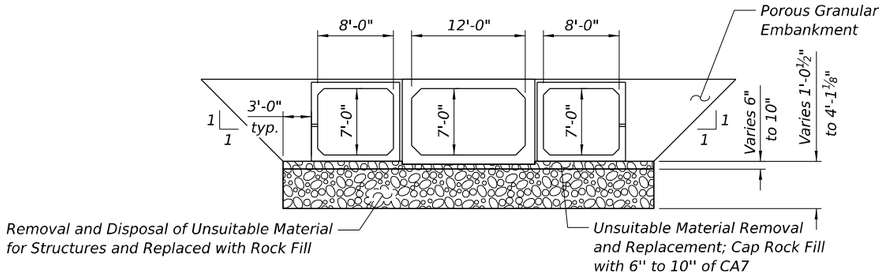
11. The Rock Fill shall be caped with 6 in. of CA7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for Rock Fill.

## INDEX OF SHEETS



## TOTAL BILL OF MATERIAL

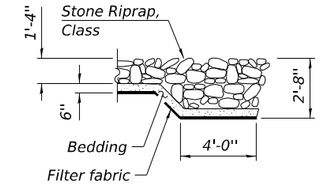
| ITEM | UNIT | TOTAL |
|---|---|---|
| Porous Granular Embankment | Cu. Yd. | 508 |
| Stone Riprap, Class A4 | Sq. Yd. | 50 |
| Filter Fabric | Sq. Yd. | 50 |
| Removal of Existing Structures No. 1 | Each | 1 |
| Removal of Existing Structures No. 2 | Each | 1 |
| Structure Excavation | Cu. Yd. | 1,648 |
| 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 |
| | | |




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

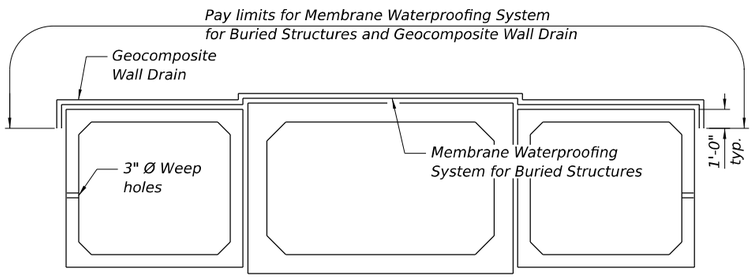
STATION 30+22.00
BUILT BY
STATE OF ILLINOIS
FAU 2843 CR
LOADING HL-93
STRUCTURE NO. 016-8321

## NAME PLATE
See Std. 515001



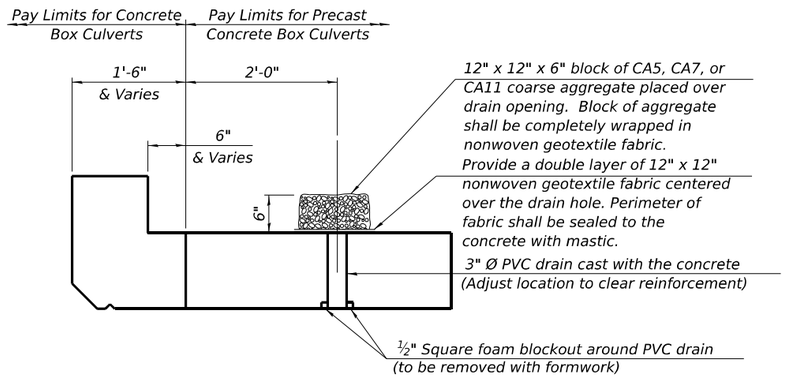

## SECTION A-A


## PROFILE GRADE
(along existing ℄ Dixie Highway)




## 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.




## 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.)

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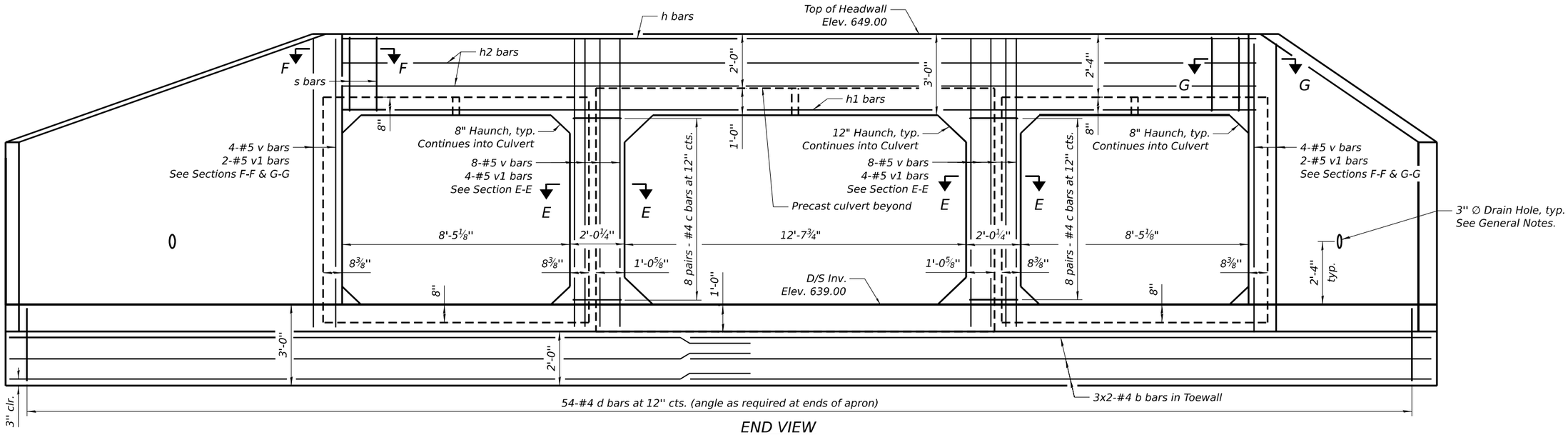
DESIGN FIRM NO: 184.008135


| | | | | | |
|---|---|---|---|---|---|
| USERNAME = | KatelynKompare | DESIGNED - | KLK | REVISED - | |
| | | CHECKED - | GJH | REVISED - | |
| PLOT SCALE = | $SCALE$ | DRAWN - | RMH | REVISED - | |
| PLOT DATE = | | CHECKED - | GJH | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

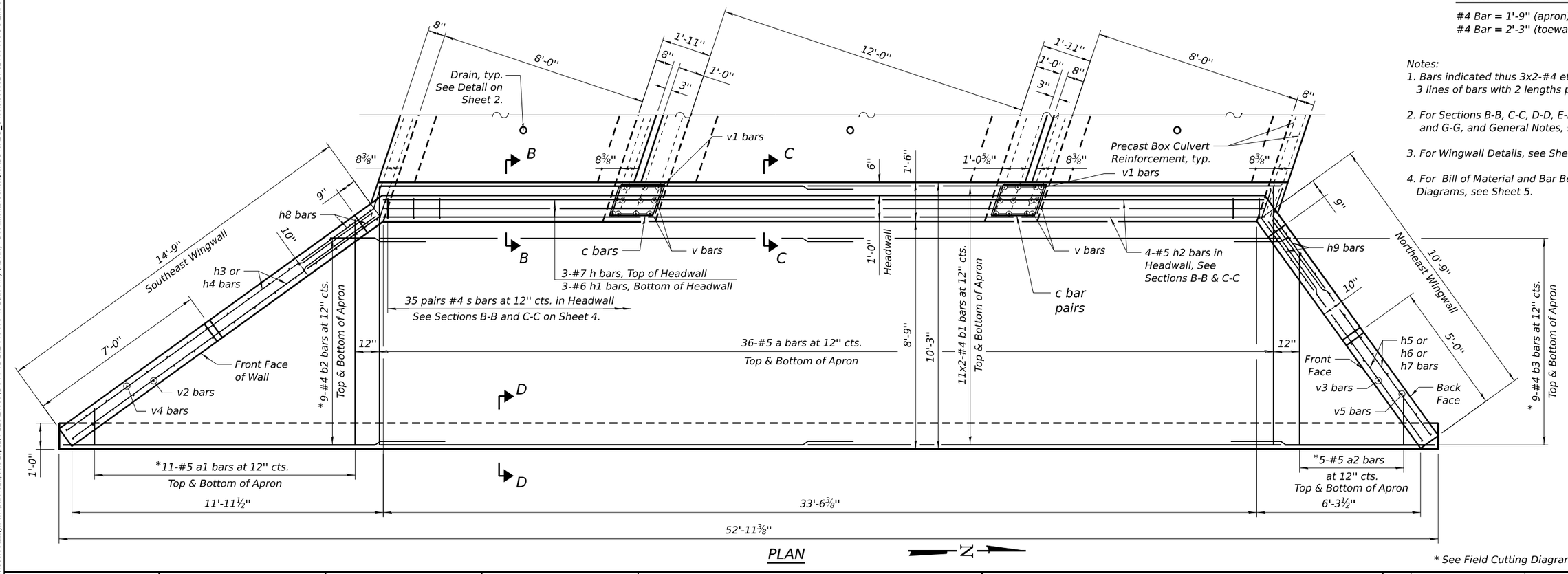
**GENERAL DATA**
**STRUCTURE NO. 016-8321**
SHEET 2 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 25 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## END VIEW

*(Horizontal dimensions taken along skew unless otherwise noted)*




## PLAN

N

## MINIMUM BAR LAP

#4 Bar = 1'-9" (apron)
#4 Bar = 2'-3" (toewall)

Notes:
1. Bars indicated thus 3x2-#4 etc. indicates 3 lines of bars with 2 lengths per line.
2. For Sections B-B, C-C, D-D, E-E, F-F, and G-G, and General Notes, see Sheet 4.
3. For Wingwall Details, see Sheet 5.
4. For Bill of Material and Bar Bending Diagrams, see Sheet 5.

* See Field Cutting Diagram on Sheet 5.

MODEL: Plan
FILE NAME: C:\Users\KatelynKompare\Czaplicki Lopez, PLLC\24008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\016-8321-62T84-003-DS End Section Details I.dgn

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DESIGN FIRM NO: 184,008135

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| USERNAME | = KatelynKompare | DESIGNED | - KLK | REVISED | - | | |
| | | CHECKED | - GJH | REVISED | - | | |
| PLOT SCALE | = $SCALE$ | DRAWN | - RMH | REVISED | - | | |
| PLOT DATE | = | CHECKED | - GJH | REVISED | - | | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

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

SHEET 3 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 26 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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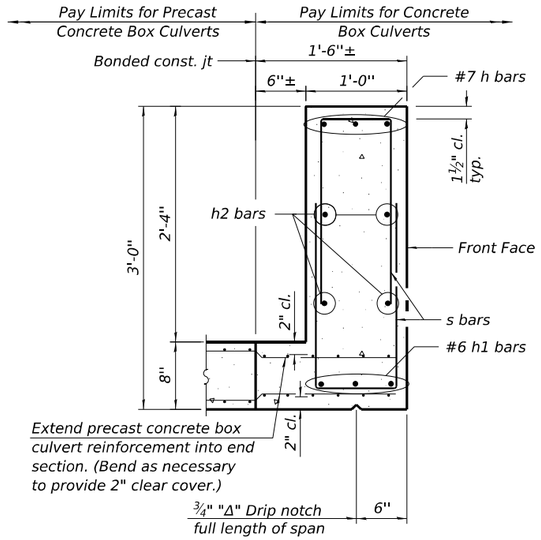
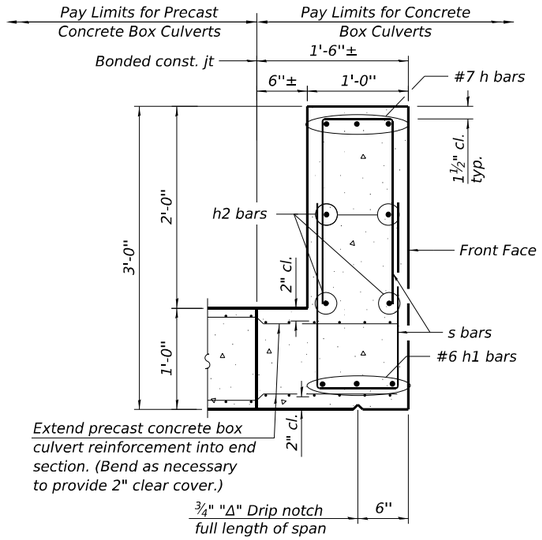


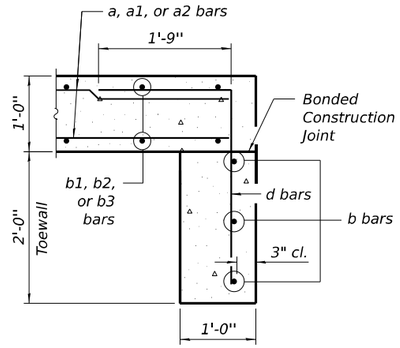

## SECTION B-B

(Top slab at downstream end)

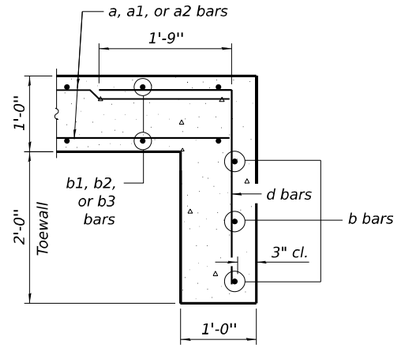



## SECTION C-C

(Top slab at downstream end)




## SECTION D-D

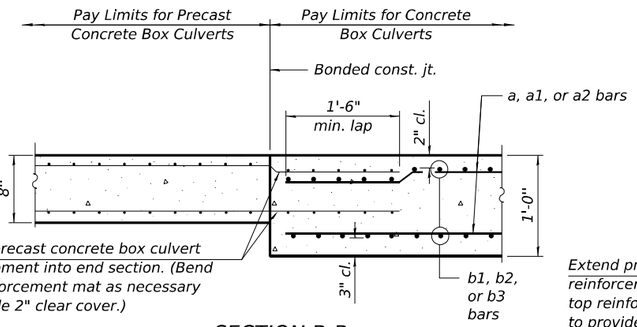



## ALT. SECTION D-D

## TOEWALL CONSTRUCTION SEQUENCE

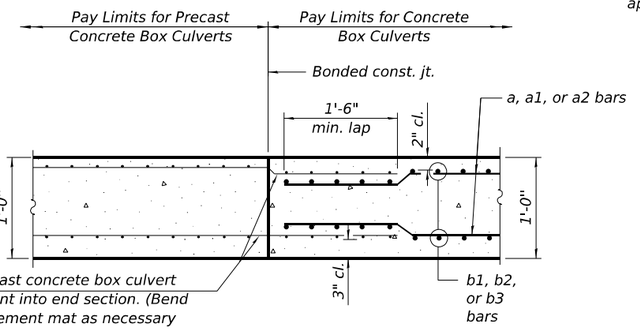
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

*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.*



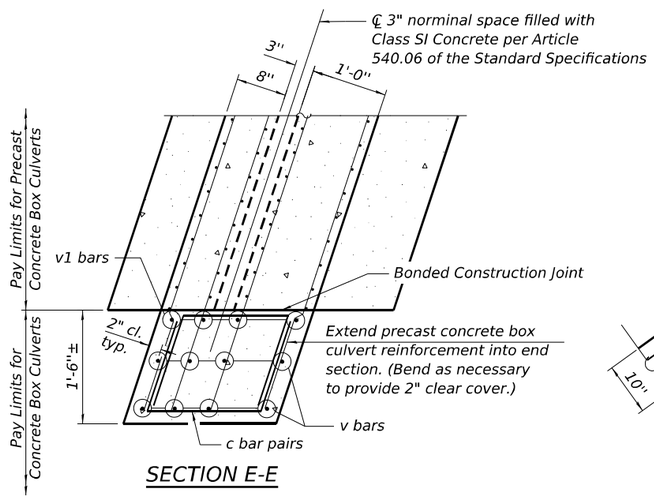

## SECTION B-B

(Bottom slab)

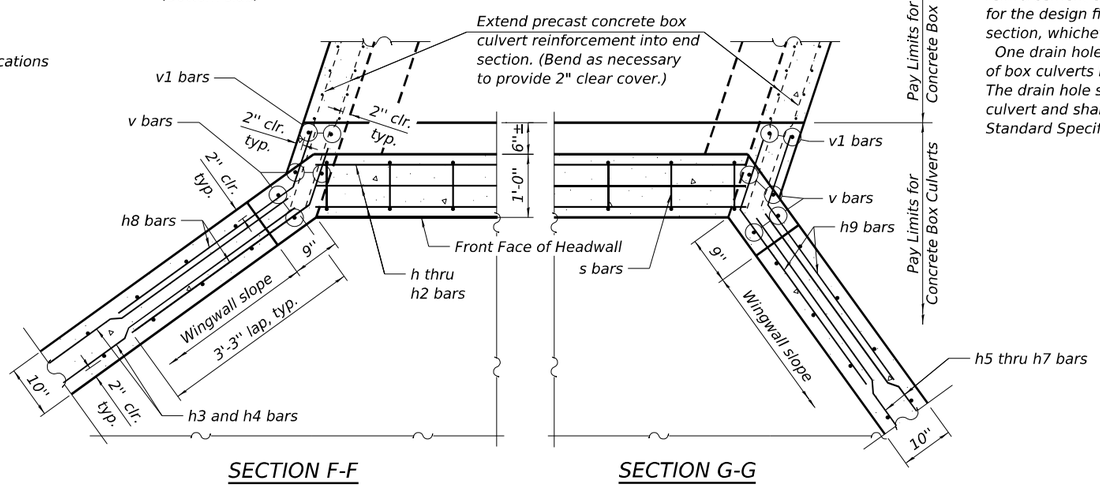



## SECTION C-C

(Bottom slab)




## SECTION E-E




## SECTION F-F

## SECTION G-G

## 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 ½" 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.*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| | | | |
|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | |
| | CHECKED - GJH | REVISED - | |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | |
| PLOT DATE = | CHECKED - GJH | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DOWNSTREAM END SECTION DETAILS II**
**STRUCTURE NO. 016-8321**

SHEET 4 OF 12 SHEETS

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

MODEL: Plan
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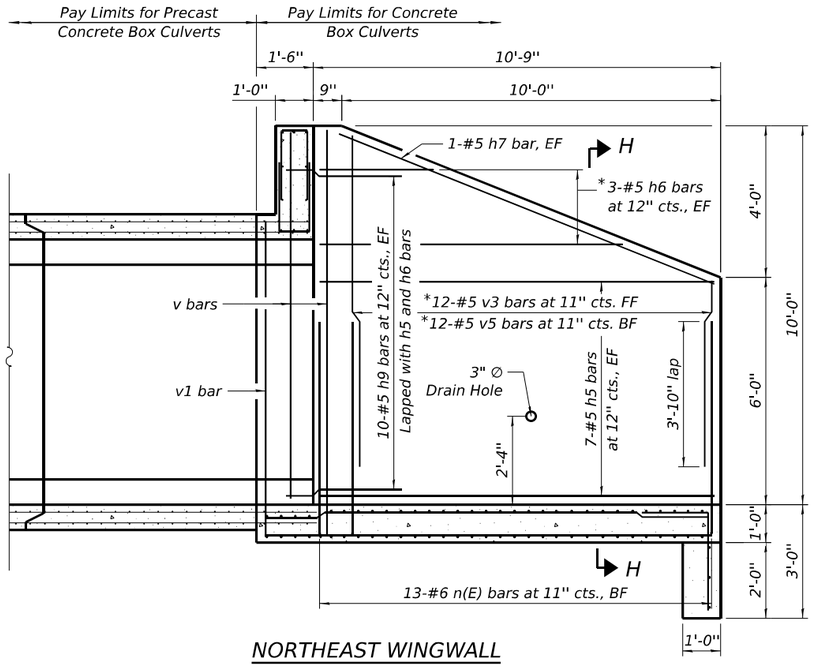
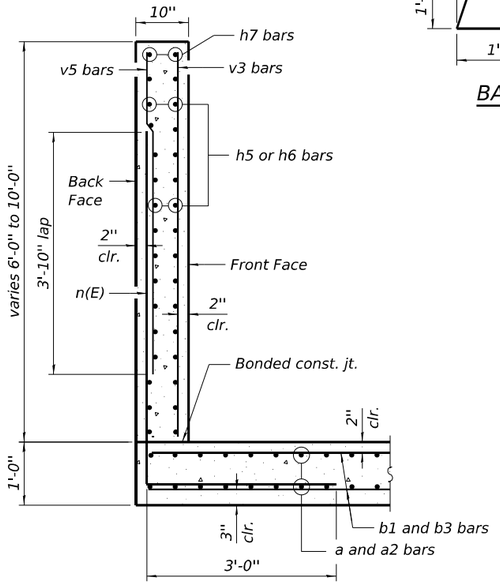
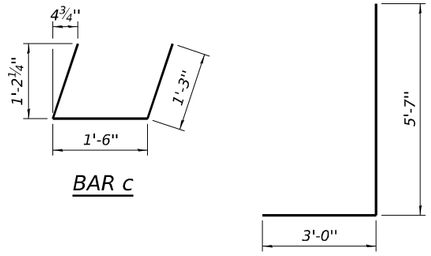


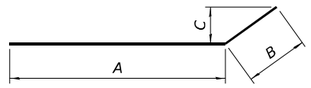

## NORTHEAST WINGWALL

** See Field Cutting Diagram*



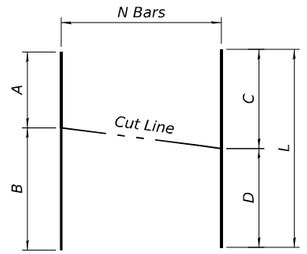

## SECTION H-H




## BARS h8 & h9

| Bar | A | B | C |
|---|---|---|---|
| h8 | 3'-5" | 1'-0" | 0'-7" |
| h9 | 3'-5" | 1'-2" | 0'-11⅜" |




## FIELD CUTTING DIAGRAM

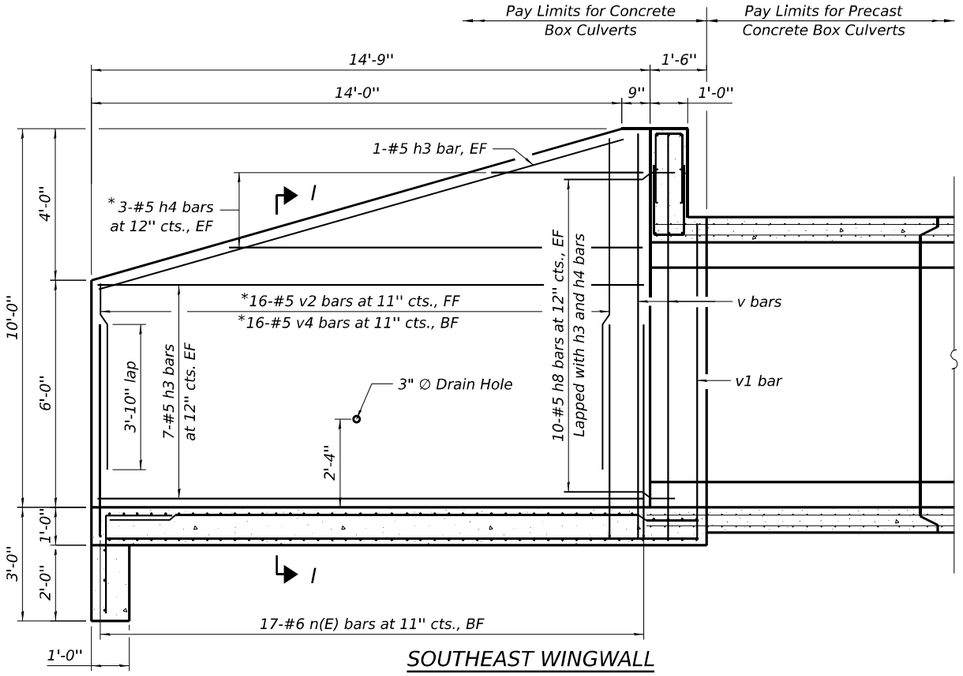
*Order bars in table below full length. Cut as shown and use remainder of bars in other half of slab.*

| Bar | A | B | C | D | L | N |
|---|---|---|---|---|---|---|
| v2 | 5'-9" | 9'-7" | 7'-6" | 7'-10" | 15'-4" | 8 |
| v3 | 5'-9" | 9'-7" | 7'-6" | 7'-10" | 15'-4" | 6 |
| v4 | 4'-11" | 8'-9" | 6'-8" | 7'-0" | 13'-8" | 8 |
| v5 | 4'-11" | 8'-9" | 6'-8" | 7'-0" | 13'-8" | 6 |

## DOWNSTREAM END SECTION BILL OF MATERIAL

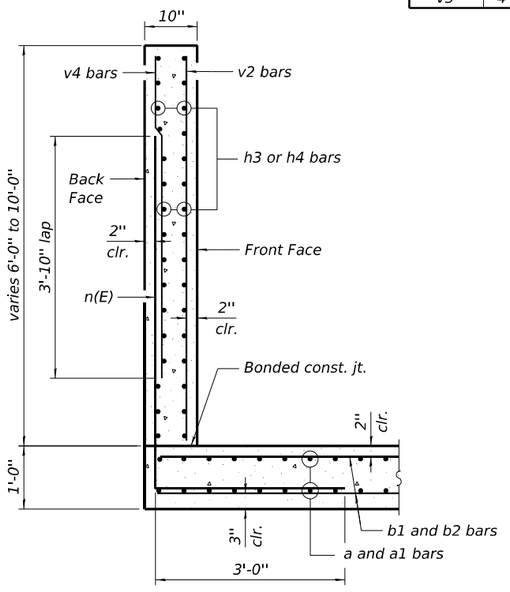
| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a | 72 | #5 | 9'-11" | —— |
| a1 | 11 | #5 | 10'-1" | —— |
| a2 | 5 | #5 | 9'-4" | —— |
| | | | | |
| b | 6 | #4 | 27'-5" | —— |
| b1 | 44 | #4 | 18'-2" | —— |
| b2 | 9 | #4 | 18'-4" | —— |
| b3 | 9 | #4 | 10'-0" | —— |
| | | | | |
| c | 32 | #4 | 4'-0" | ⌐ |
| | | | | |
| d | 54 | #4 | 4'-5" | ⌐ |
| | | | | |
| h | 3 | #7 | 33'-10" | —— |
| h1 | 3 | #6 | 33'-10" | —— |
| h2 | 4 | #5 | 33'-10" | —— |
| h3 | 16 | #5 | 14'-5" | —— |
| h4 | 3 | #5 | 14'-11" | —— |
| h5 | 14 | #5 | 10'-5" | —— |
| h6 | 3 | #5 | 11'-0" | —— |
| h7 | 2 | #5 | 10'-8" | —— |
| h8 | 20 | #5 | 4'-5" | ⌐ |
| h9 | 20 | #5 | 4'-7" | ⌐ |
| | | | | |
| n(E) | 30 | #6 | 8'-7" | ⌐ |
| | | | | |
| s | 70 | #4 | 4'-5" | ⊔ |
| | | | | |
| v | 24 | #5 | 10'-8" | —— |
| v1 | 12 | #5 | 8'-4" | —— |
| v2 | 8 | #5 | 15'-4" | —— |
| v3 | 6 | #5 | 15'-4" | —— |
| v4 | 8 | #5 | 13'-8" | —— |
| v5 | 6 | #5 | 13'-8" | —— |

| Item | Unit | Quantity |
|---|---|---|
| Concrete Box Culverts | Cu. Yd. | 33.5 |
| Reinforcement Bars | Pound | 4,160 |
| Reinforcement Bars, Epoxy Coated | Pound | 390 |

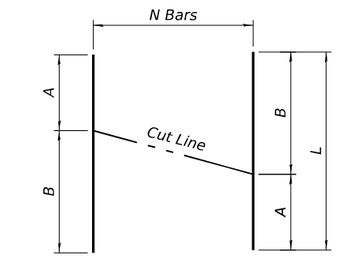



## SOUTHEAST WINGWALL

** See Field Cutting Diagram*




## SECTION I-I




## FIELD CUTTING DIAGRAM

*Order bars in table below full length. Cut as shown and use remainder of bars in opposite face of slab.*

| Bar | A | B | L | N |
|---|---|---|---|---|
| a1 | 1'-5" | 8'-8" | 10'-1" | 11 |
| a2 | 1'-11" | 7'-5" | 9'-4" | 5 |
| b2 | 3'-8" | 14'-8" | 18'-4" | 9 |
| b3 | 2'-2" | 7'-10" | 10'-0" | 9 |
| h4 | 4'-0" | 10'-11" | 14'-11" | 3 |
| h6 | 3'-0" | 8'-0" | 11'-0" | 3 |



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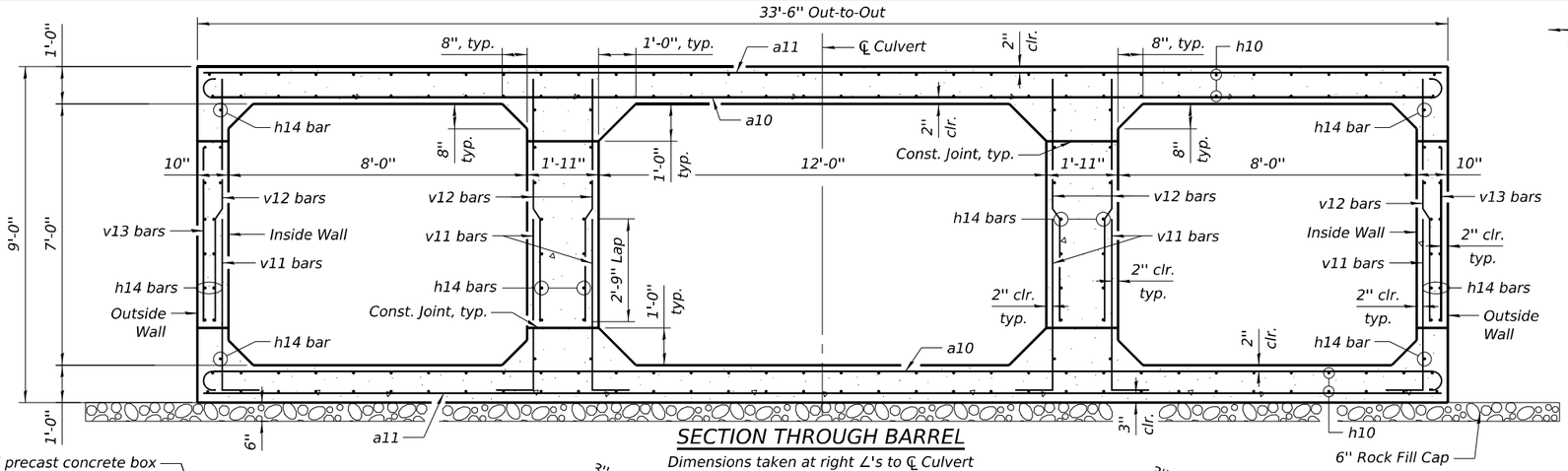
|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | |
| | CHECKED - GJH | REVISED - | |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | |
| PLOT DATE = | CHECKED - GJH | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DOWNSTREAM END SECTION DETAILS III**
**STRUCTURE NO. 016-8321**

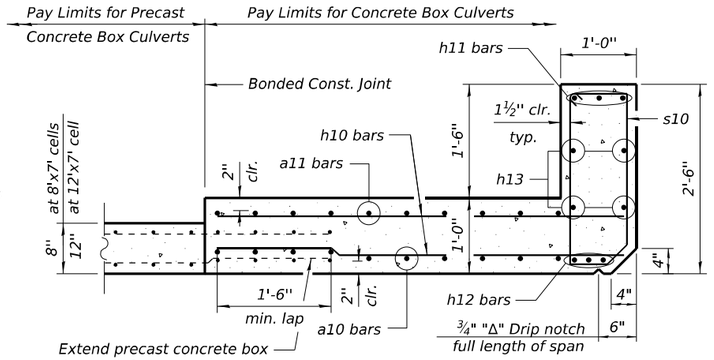
SHEET 5 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 28 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

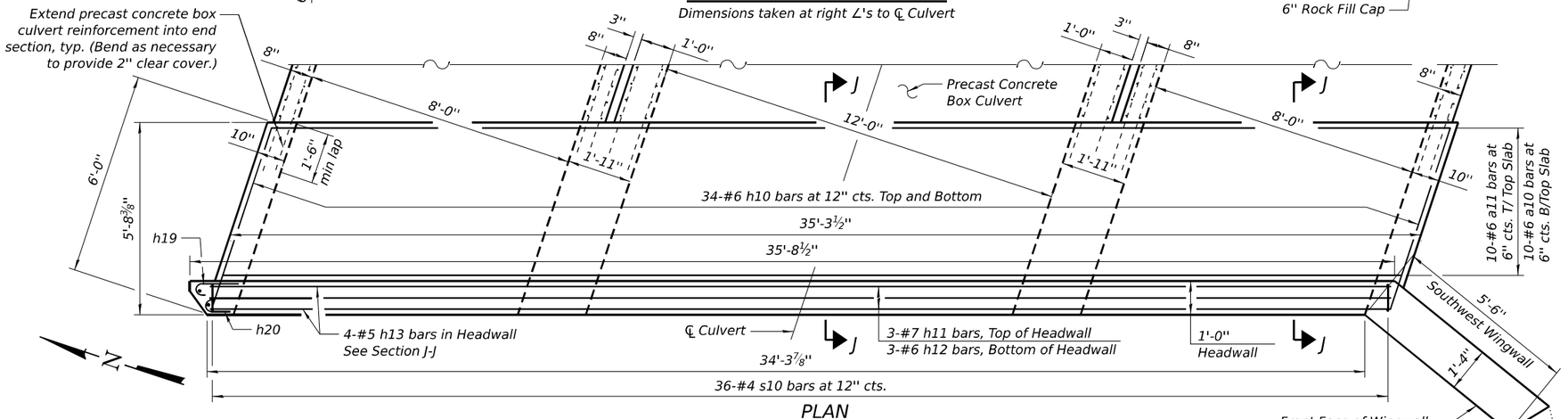



## SECTION THROUGH BARREL

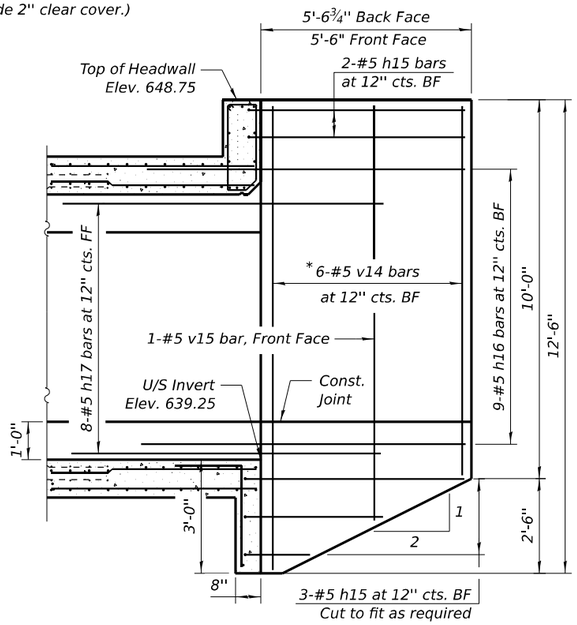
Dimensions taken at right ∠'s to ℄ Culvert




## SECTION J-J

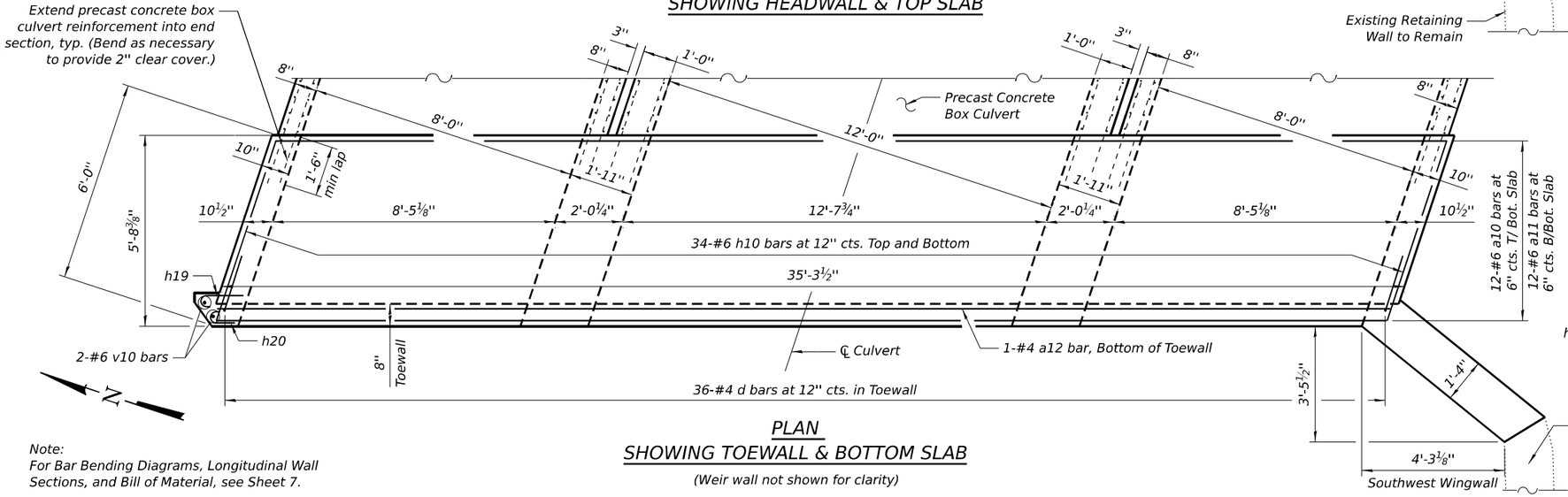



## PLAN
## SHOWING HEADWALL & TOP SLAB



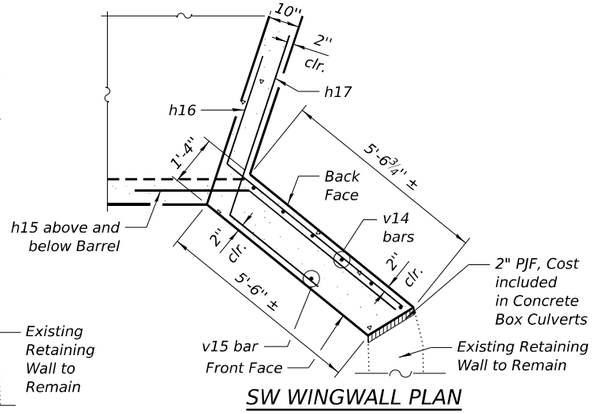

## SW WINGWALL ELEVATION

* See Field Cutting Diagram on Sheet 7.




## PLAN
## SHOWING TOEWALL & BOTTOM SLAB

(Weir wall not shown for clarity)




## SW WINGWALL PLAN

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

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| USERNAME | = KatelynKompare | DESIGNED | - KLK | REVISED | - | | |
| | | CHECKED | - GJH | REVISED | - | | |
| PLOT SCALE | = $SCALE$ | DRAWN | - RMH | REVISED | - | | |
| PLOT DATE | = | CHECKED | - GJH | REVISED | - | | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

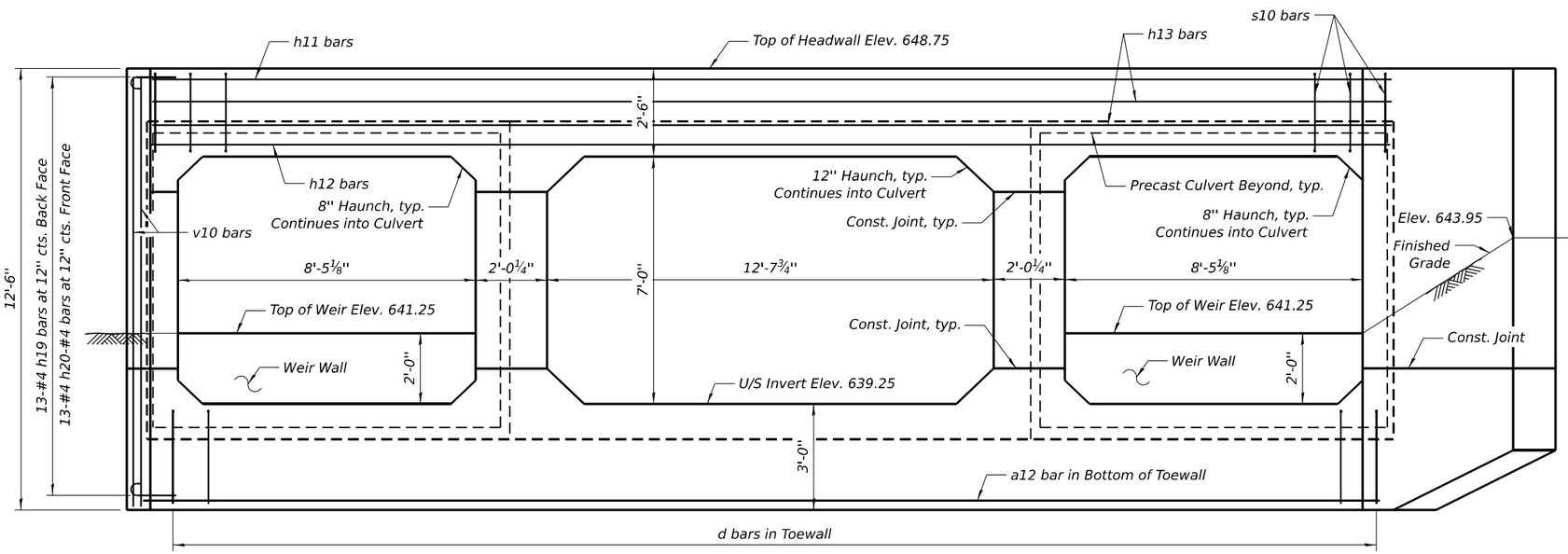
**UPSTREAM END SECTION DETAILS I**
**STRUCTURE NO. 016-8321**

SHEET 6 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 29 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

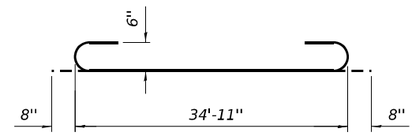
MODEL: Plan
FILE NAME: C:\Users\KatelynKompare\Czapliicki Lopez, PLLC\24008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\0168321-62T84-006-US End Section Details I.dgn

4/29/2026 1:30:01 PM

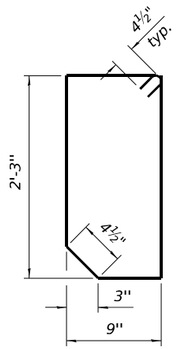



## END VIEW

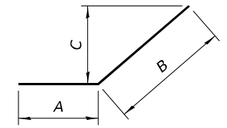
*(Horizontal dimensions taken along skew unless otherwise noted)*




## BAR a10

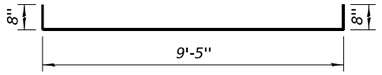



## BAR s10

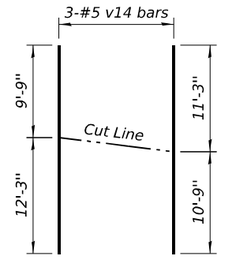



## BARS h15, h16, and h17

| Bar | A | B | C |
|---|---|---|---|
| h15 | 3'-0" | 5'-0" | 3'-1⅞" |
| h16 | 3'-0" | 6'-0" | 5'-7⅛" |
| h17 | 3'-0" | 5'-0" | 4'-8⅛" |

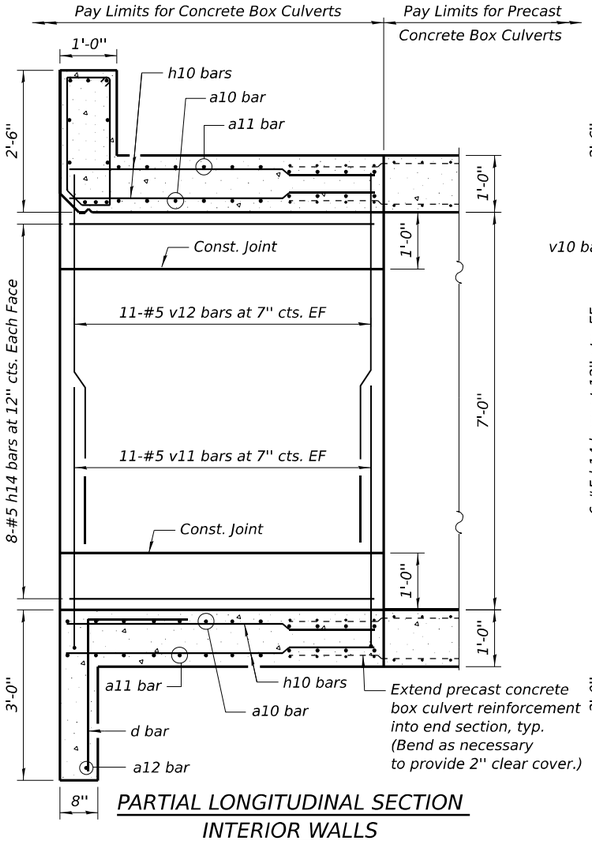



## BAR h18

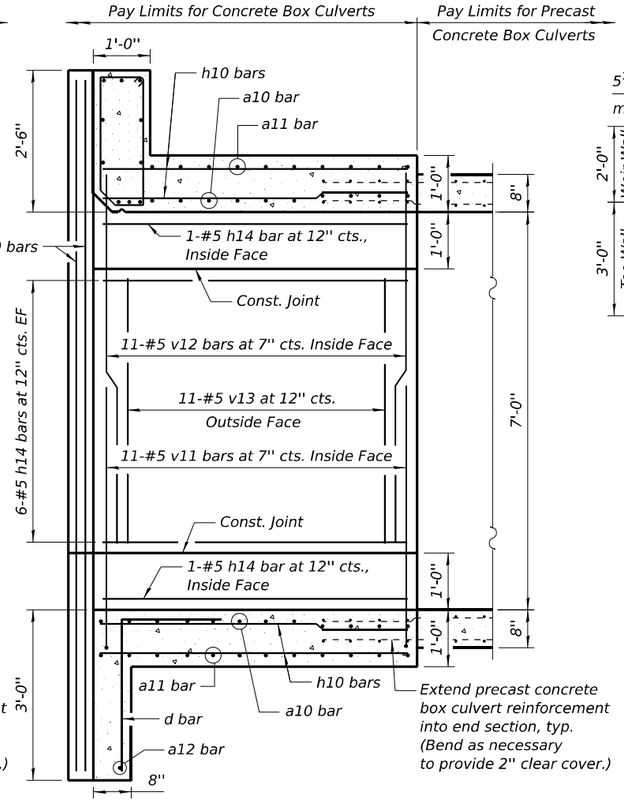



## FIELD CUTTING DIAGRAM

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

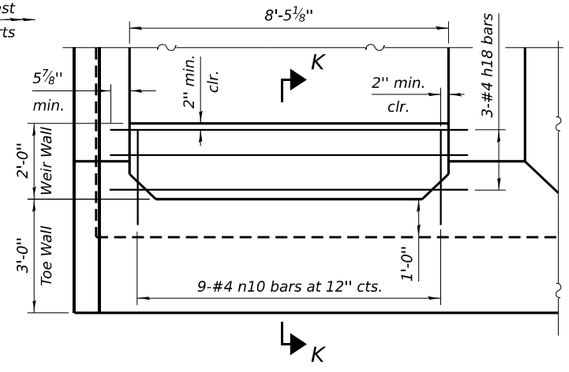



## PARTIAL LONGITUDINAL SECTION INTERIOR WALLS

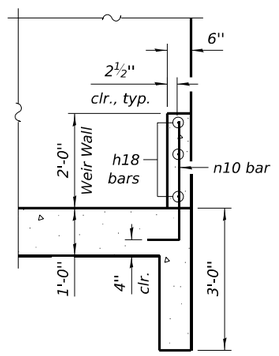



## PARTIAL LONGITUDINAL SECTION - EXTERIOR WALLS

*(Weir wall not shown for clarity)*



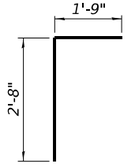

## TYPICAL WEIR REINFORCEMENT DETAIL



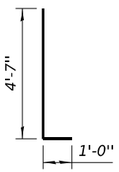

## SECTION K-K



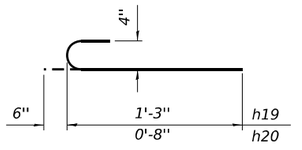

## BAR n10




## BAR d




## BAR v11




## BARS h19 and h20

## 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 |


MODEL: Plan
FILE NAME: C:\Users\KatelynKompare\Czaplicki Lopez, PLLC\224008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\016832l-62T84-007-US End Section Details II.dgn
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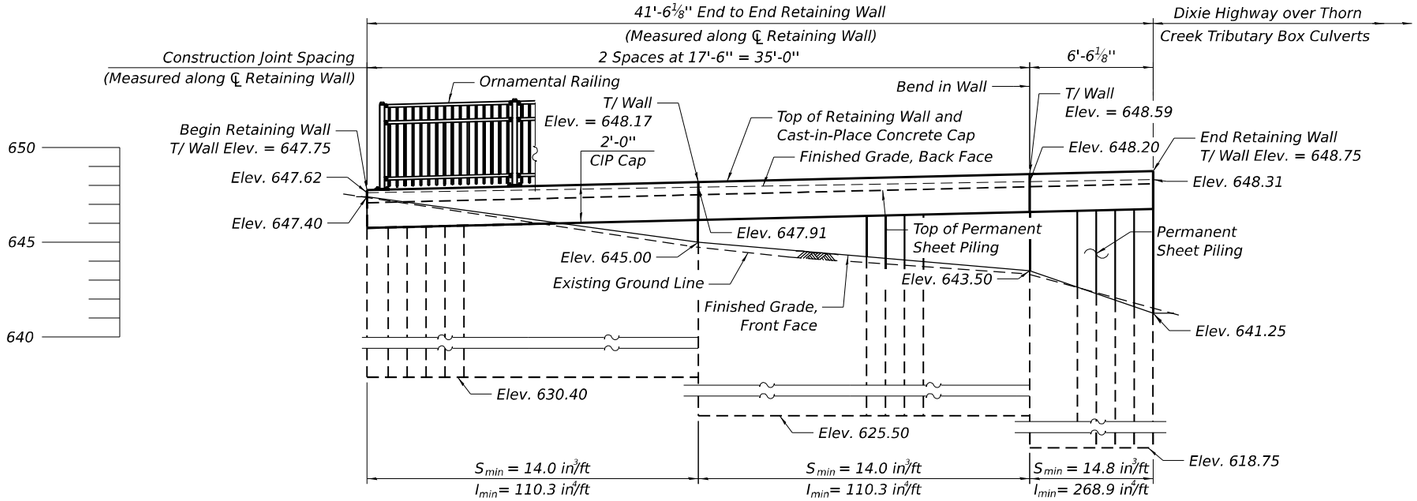
CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184.008135

| | | | |
|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | |
| | CHECKED - GJH | REVISED - | |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | |
| PLOT DATE = | CHECKED - GJH | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

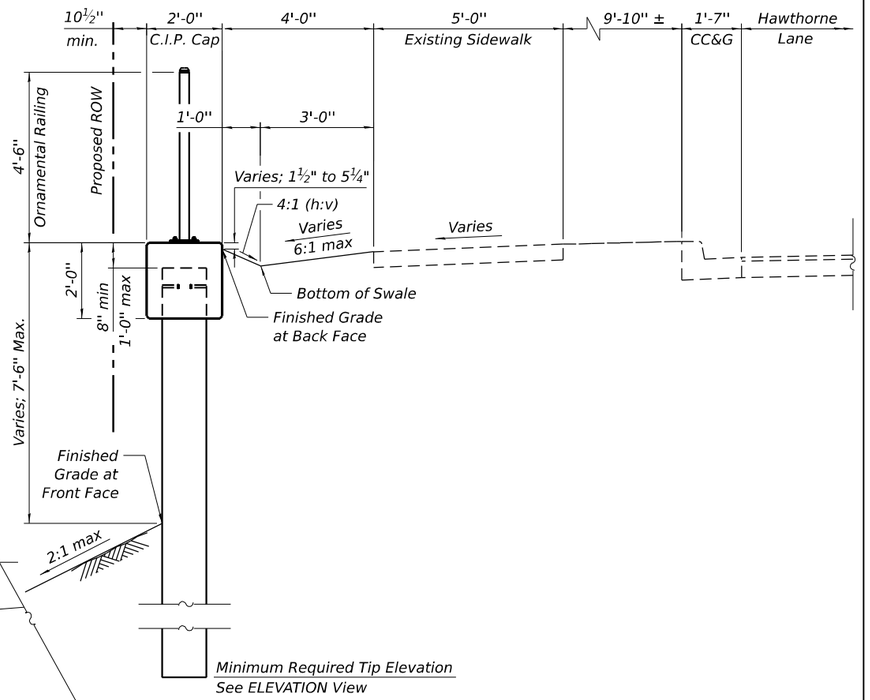
**UPSTREAM END SECTION DETAILS II**
**STRUCTURE NO. 016-8321**
SHEET 7 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 30 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

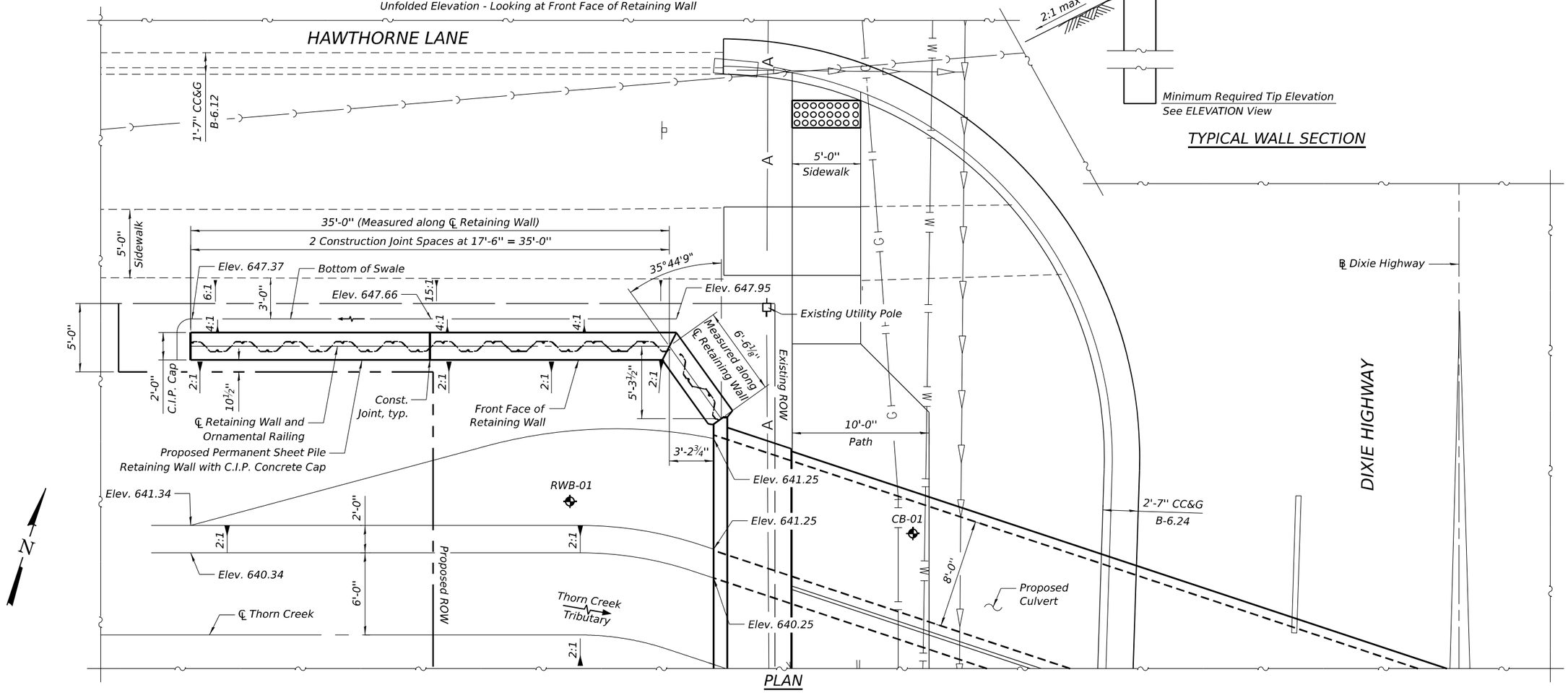



## ELEVATION

Unfolded Elevation - Looking at Front Face of Retaining Wall




## TYPICAL WALL SECTION




## PLAN

| | | | | | |
|---|---|---|---|---|---|
| CZAPLICKI LOPEZ, PLLC<br>201 KENMARE DRIVE<br>BURR RIDGE, ILLINOIS 60527<br>630-915-8861<br>DESIGN FIRM NO: 184.008135 | USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | **STATE OF ILLINOIS**<br>**DEPARTMENT OF TRANSPORTATION** | **RETAINING WALL GENERAL PLAN AND ELEVATION**<br>**STRUCTURE NO. 016-8321** |
| | | CHECKED - GJH | REVISED - | | |
| | PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | | SHEET 8 OF 12 SHEETS |
| | PLOT DATE = | CHECKED - GJH | REVISED - | | |

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 31 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

MODEL: Plan
FILE NAME: C:\Users\KatelynKompare\Czaplicki Lopez, PLLC\24008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\016832

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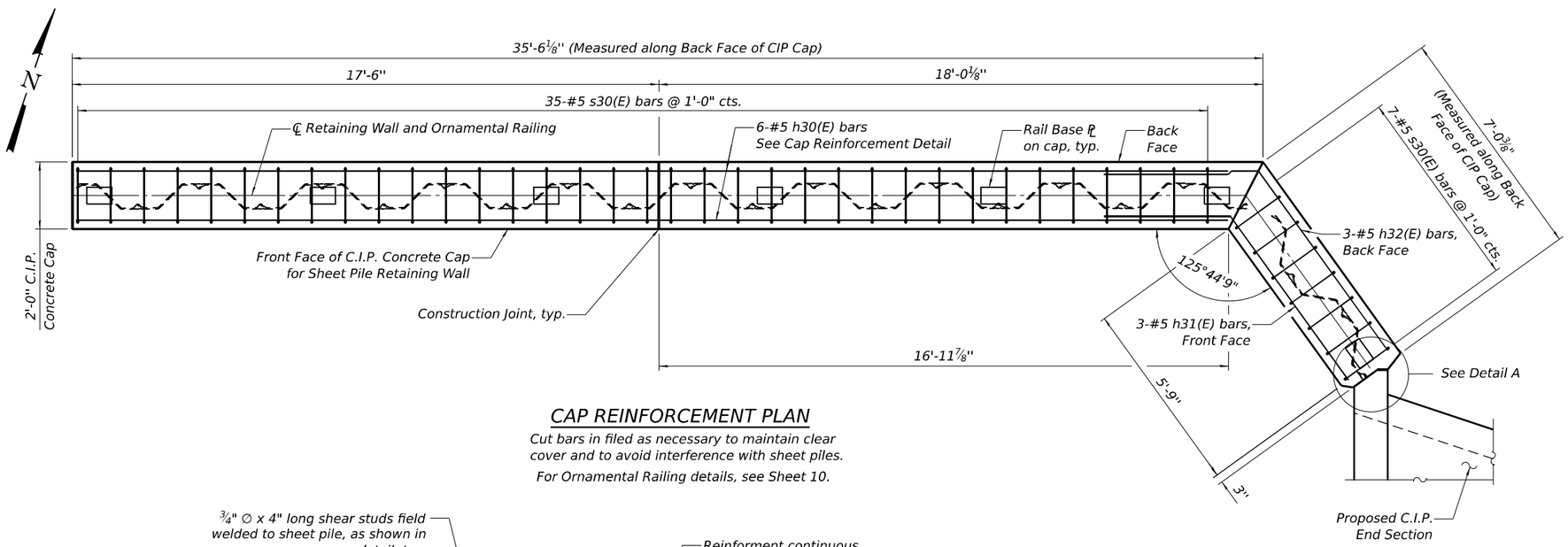
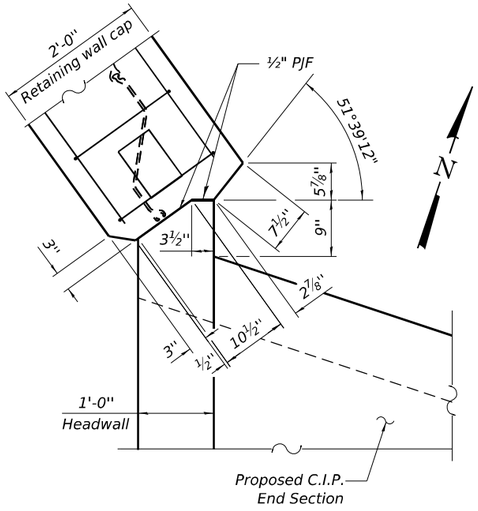


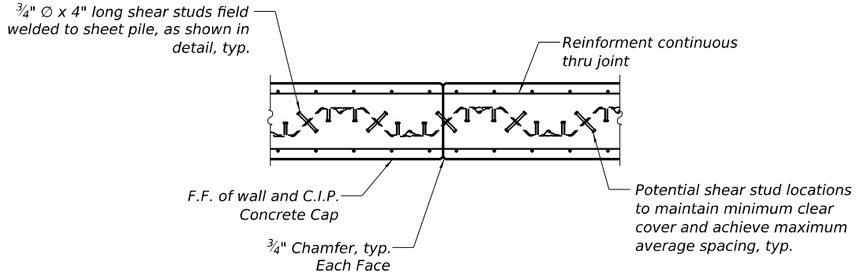

## CAP REINFORCEMENT PLAN

*Cut bars in filed as necessary to maintain clear cover and to avoid interference with sheet piles.*

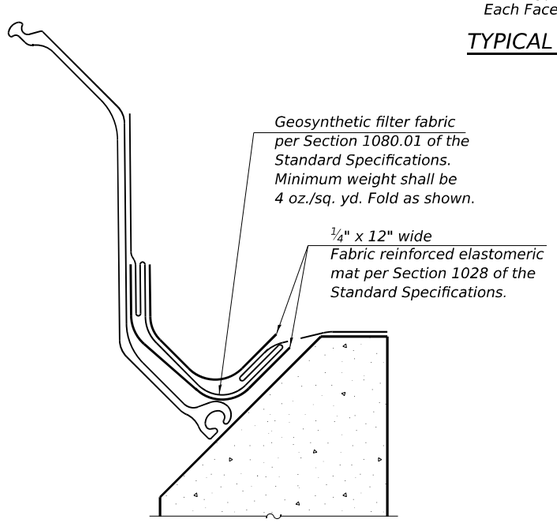
*For Ornamental Railing details, see Sheet 10.*




## RETAINING WALL CAP/ CULVERT HEAWALL CONNECTION

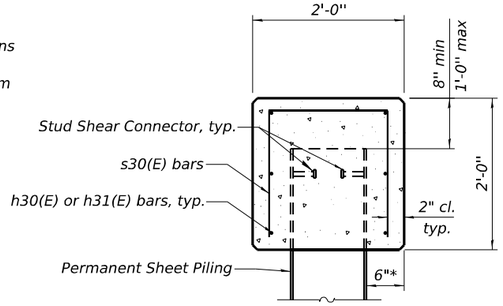



## TYPICAL SECTION THRU CAP




## DETAIL A

*Permanent Sheet Piling at Headwall*




## CAP REINFORCEMENT DETAIL

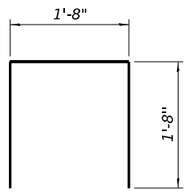
* *Dimension shown is based on the use of PZ27 or PZ38. If an alternate sheet pile section is chosen, this dimension must be adjusted. If necessary, Contractor shall make adjustments at no additional cost to the Department.*

## MINIMUM BAR LAP

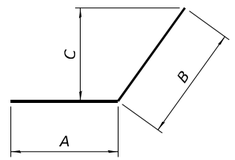
*#5 bar = 3'-7"*

## 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 | |




## BAR s30(E)




## BARS h31(E) and h32(E)

| Bar | A | B | C |
|---|---|---|---|
| h31(E) | 3'-9" | 5'-10" | 4'-8⅞" |
| h32(E) | 4'-8" | 7'-0" | 5'-8¼" |


MODEL: Plan
FILE NAME: C:\Users\KatelynKompare\Czaplicki Lopez, PLLC\24008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\0168321-62T84-009-Retaining Wall Details.dgn
4/29/2026 1:31:46 PM

CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-5861
DESIGN FIRM NO: 184,008135

USERNAME = KatelynKompare
PLOT SCALE = $SCALE$
PLOT DATE =

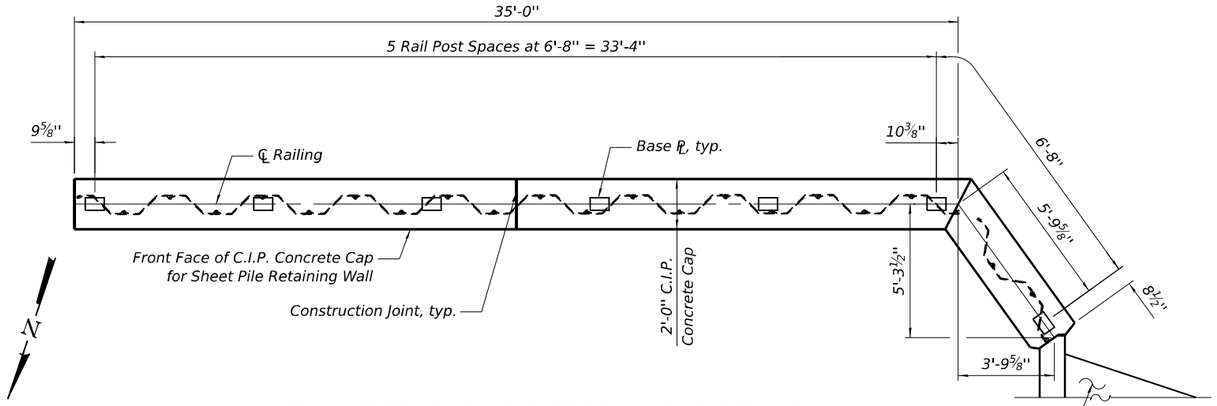
DESIGNED - KLK
CHECKED - GJH
DRAWN - RMH
CHECKED - GJH

REVISED -
REVISED -
REVISED -
REVISED -

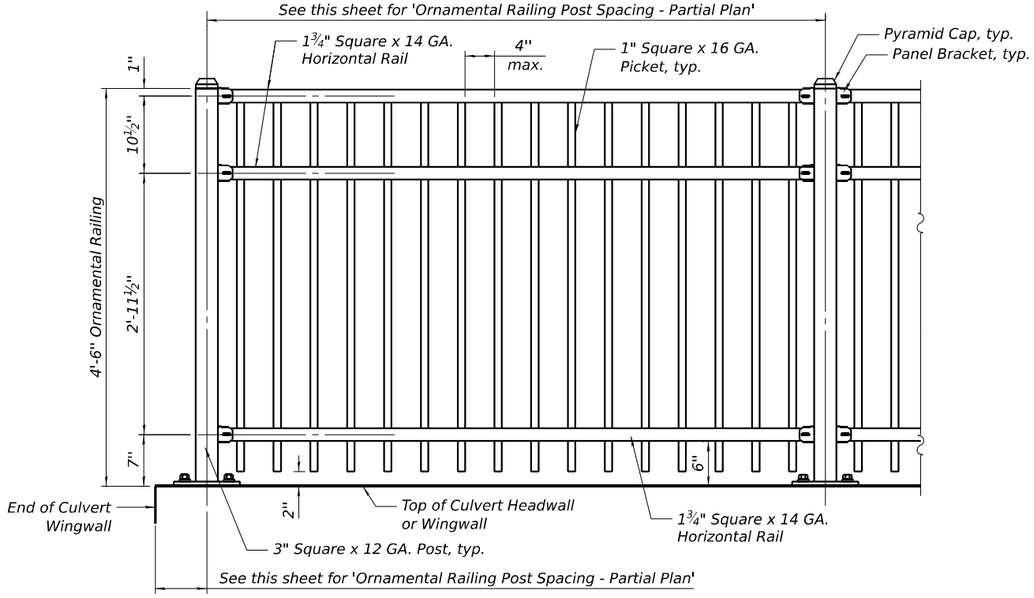
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
STRUCTURE NO. 016-8321
SHEET 9 OF 12 SHEETS

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

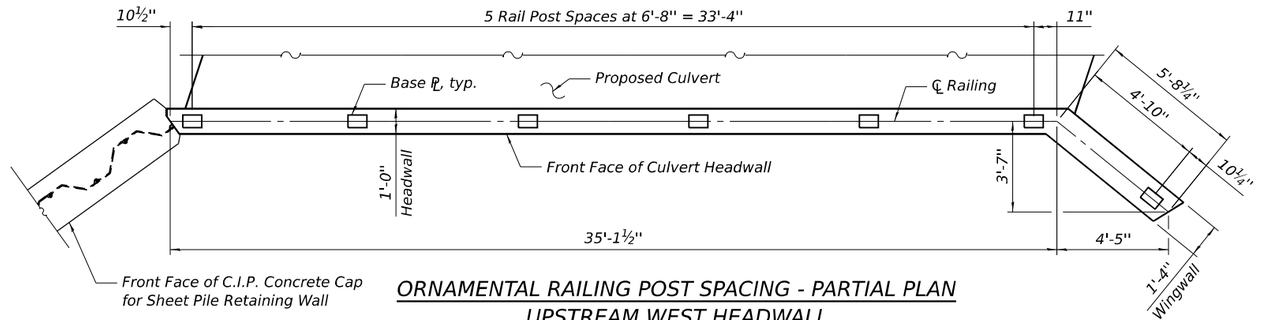



## ORNAMENTAL RAILING POST SPACING - PARTIAL PLAN
## NORTHWEST RETAINING WALL

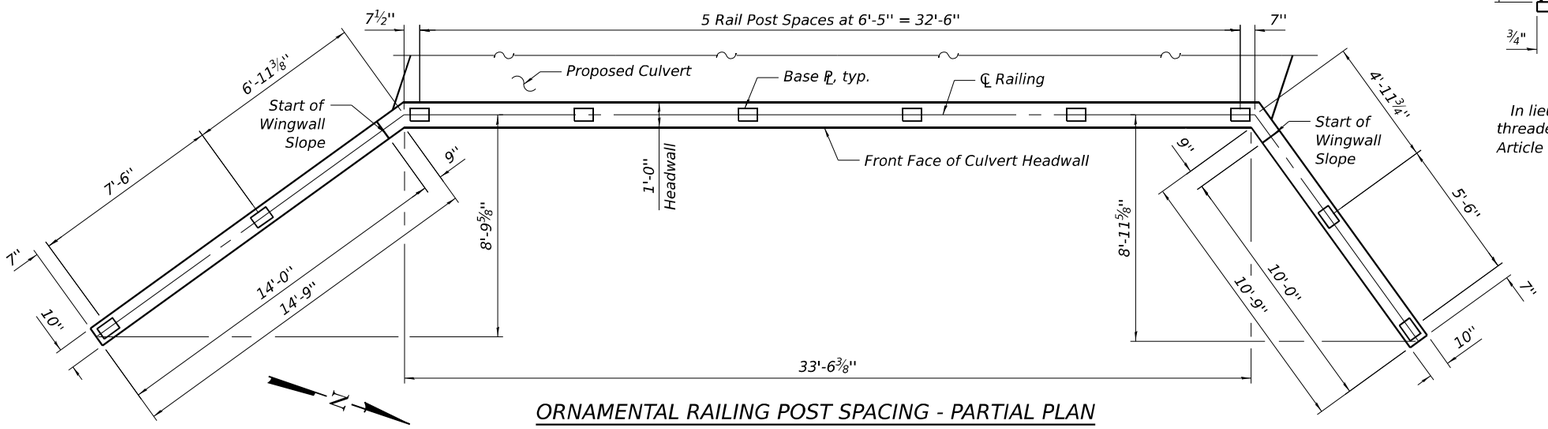



## ELEVATION ORNAMENTAL RAILING

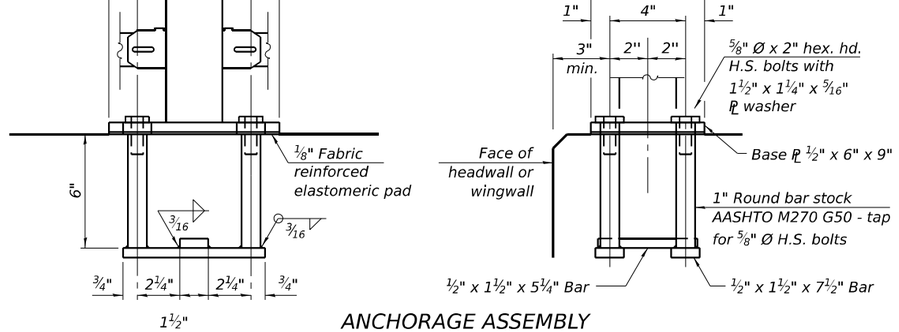
*All posts, railings, splices, anchor devices, and bent plates shall be galvanized and painted black in accordance with the special provision for Ornamental Railing.*




## ORNAMENTAL RAILING POST SPACING - PARTIAL PLAN
## UPSTREAM WEST HEADWALL

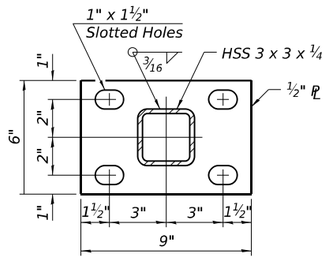



## ORNAMENTAL RAILING POST SPACING - PARTIAL PLAN
## DOWNSTREAM EAST HEADWALL




## ANCHORAGE ASSEMBLY

*In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.*




## BASE PLATE

## BILL OF MATERIAL

| Item | Unit | Quantity |
|---|---|---|
| Ornamental Railing | Foot | 143 |
| | | |



CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184.008135

| | | | | | |
|---|---|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - |
| | CHECKED - GJH | REVISED - |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - |
| PLOT DATE = | CHECKED - GJH | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ORNAMENTAL RAILING DETAILS**
**STRUCTURE NO. 016-8321**
SHEET 10 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 33 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

Illinois Department of Transportation
Division of Highways
GSG 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.,

COUNTY Cook DRILLING METHOD Geoprobe HSA Latitude 41.5146092, Longitude -087.6462054 HAMMER TYPE AUTO HAMMER EFF (%) 101.6

STRUCT. NO. 016-8321
Station N/A

BORING NO. CB-01
Station 30+50
Offset 40.00ft LT
Ground Surface Elev. 648.21 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 639.7 ft ▼
Upon Completion N/A ft
After Hrs. N/A ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| 2 inches of Topsoil 648.04 | | | |
| Dark Brown, Moist to Very Moist FILL: SILTY CLAY, with sand, trace gravel, trace concrete | 4 | | |
| | 3 3 | 1.7 B | 19 |
| | 2 | | |
| -5 | 1 1 | 1.3 B | 28 |
| 642.21 | | | |
| Medium Stiff Brown, Moist SILTY CLAY, trace gravel (CL/ML) | 1 | | |
| | 1 1 | 0.8 B | 24 |
| 639.25 | 0 | | |
| Proposed culvert upstream invert elevation at 639.25 feet | 2 3 | 0.6 B | 21 |
| -10 | | | |
| 637.21 | | | |
| Stiff to Hard Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML) | 4 | | |
| | 5 7 | 4.0 R | 18 |
| | 4 | | |
| | 2 2 | 3.1 B | 20 |
| -15 | | | |
| | 2 | | |
| | 5 5 | 2.9 B | 20 |
| | 3 | | |
| -20 | 4 6 | 4.2 B | 19 |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Stiff to Hard Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML) *(continued)* | 3 | | |
| | 4 7 | 3.8 B | 21 |
| | 3 | | |
| -25 | 5 7 | 3.3 B | 20 |
| | 3 | | |
| | 5 7 | 3.1 B | 20 |
| | 3 | | |
| -30 | 3 4 | 1.7 B | 19 |
| 618.21 End of Boring | | | |
| -35 | | | |
| -40 | | | |

**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
GSG Consultants

# SOIL BORING LOG

Page 1 of 2

Date 7/1/24

ROUTE FAU 2843 DESCRIPTION Culvert Boring LOGGED BY TS

SECTION LOCATION , SEC., TWP., RNG.,

COUNTY Cook DRILLING METHOD Geoprobe HSA Latitude 41.5145914, Longitude -087.6460607 HAMMER TYPE AUTO HAMMER EFF (%) 101.6

STRUCT. NO. 016-8321
Station N/A

BORING NO. CB-02
Station 30+25
Offset 2.00ft LT
Ground Surface Elev. 648.94 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 632.9 ft ▼
Upon Completion N/A ft
After Hrs. N/A ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| 10 inches of Asphalt 648.10 | | | |
| 6 inches of Concrete 647.61 | 5 | | |
| Brown and Gray, Moist FILL: SILTY CLAY, trace gravel, trace sand, trace organics, trace wood | 4 3 | 4.2 B | 20 |
| | 10 | | |
| Concrete fragments between 4 to 5 feet -5 | 11 17 | 3.5 P | 20 |
| 642.94 | | | |
| Very Stiff to Hard Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML) | 3 | | |
| | 3 3 | 3.1 B | 25 |
| | 3 | | |
| Sand seam at 9.5 feet 639.13 -10 | 3 4 | 4.4 S | 21 |
| Proposed culvert midpoint invert elevation at 639.13 feet 637.94 | | | |
| Loose Dark Gray, Moist SILTY LOAM, trace gravel (ML) | 3 | | |
| | 3 3 | | 19 |
| 635.44 | | | |
| Medium Dense Dark Gray, Moist to Wet SILTY SAND, with gravel (SM) | 2 | | |
| | 3 4 | | 21 |
| -15 | | | |
| | 9 | | |
| | 6 6 | | 14 |
| | 11 | | |
| -20 | 13 8 | | 10 |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| 627.04 | | | |
| Stiff to Very Stiff Dark Gray, Moist SILTY CLAY LOAM, with sand, trace gravel (ML/CL) | 3 | | |
| | 6 8 | 2.7 B | 24 |
| | 3 | | |
| -25 | 6 8 | 1.7 B | 17 |
| 622.94 | | | |
| Medium Dense Gray, Moist SAND, with gravel (SP) | 13 | | |
| | 9 9 | | 15 |
| | 16 | | |
| | 10 9 | | 10 |
| -30 | | | |
| | 5 | | |
| | 6 9 | | 9 |
| -35 | | | |
| | 4 | | |
| | 6 8 | | 9 |
| -40 | | | |

**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
GSG Consultants

# SOIL BORING LOG

Page 2 of 2

Date 7/1/24

ROUTE FAU 2843 DESCRIPTION Culvert Boring LOGGED BY TS

SECTION LOCATION , SEC., TWP., RNG.,

COUNTY Cook DRILLING METHOD Geoprobe HSA Latitude 41.5145914, Longitude -087.6460607 HAMMER TYPE AUTO HAMMER EFF (%) 101.6

STRUCT. NO. 016-8321
Station N/A

BORING NO. CB-02
Station 30+25
Offset 2.00ft LT
Ground Surface Elev. 648.94 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 632.9 ft ▼
Upon Completion N/A ft
After Hrs. N/A ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Medium Dense Gray, Moist SAND, with gravel (SP) *(continued)* | | | |
| | 8 | | |
| | 7 7 | | 8 |
| 603.94 -45 | | | |
| End of Boring | | | |
| -50 | | | |
| -55 | | | |
| -60 | | | |

**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)**

MODEL: Default
FILE NAME: C:\Users\KatelynKompare\Czaplicki Lopez, PLLC\24008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\016832

CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184.008135

| | | | | | |
|---|---|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SOIL BORING LOGS I STRUCTURE NO. 016-8321 | |
| | CHECKED - GJH | REVISED - | | | |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | | | |
| PLOT DATE = | CHECKED - GJH | REVISED - | | SHEET 11 OF 12 SHEETS | |

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 34 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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Illinois Department of Transportation
Division of Highways
GSG 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
DRILLING METHOD HSA HAMMER TYPE AUTO
HAMMER EFF (%) 101.6

STRUCT. NO. 016-8321
Station N/A

BORING NO. CB-03
Station 29+50
Offset 45.00ft RT
Ground Surface Elev. 645.24 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 639.2 ft ▼
Upon Completion N/A ft
After ____ Hrs. N/A ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | Description |
|---|---|---|---|---|
| 645.08 | | | | 2 inches of Topsoil |
| | 4 | | | Brown and Gray - Moist<br>FILL: SILTY CLAY, with sand, trace gravel, trace wood, trace asphalt |
| | 3 | 3.8 | 17 | |
| | 6 | B | | |
| | 25 | | | Push rock at 3.5 feet |
| -5 | 24<br>19 | | 21 | |
| 639.24 ▼ | | | | |
| 639.00 | 3 | | | Gray and Black - Moist<br>FILL: SILTY CLAY, trace gravel, trace asphalt |
| 638.24 | 3<br>14 | 1.3<br>B | 25 | Proposed culvert downstream elevation at 639.00 feet |
| | 5 | | | Gray - Moist<br>FILL: GRAVEL, trace sand, trace brick |
| -10 | 4<br>3 | | 10 | |
| 634.24 | | | | |
| | 3 | | | Stiff to Very Stiff<br>Light Gray, Moist<br>SILTY CLAY, trace gravel (CL/ML) |
| | 3<br>5 | 3.1<br>B | 22 | |
| | 3 | | | |
| -15 | 4<br>6 | 2.8<br>B | 20 | |
| | 3 | | | |
| | 2<br>3 | 1.9<br>B | 21 | |
| | 3 | | | |
| -20 | 4<br>15 | 2.1<br>B | 16 | |
| 624.24 | | | | |
| | 5 | | | Medium Dense<br>Gray, Moist to Wet<br>SAND, with silt, trace gravel (SP/SM) |
| | 5<br>12 | | 18 | |
| | 3 | | | |
| -25 | 5<br>8 | | 14 | |
| 619.24 | | | | |
| | 2 | | | Stiff<br>Gray, Moist<br>SILTY CLAY, trace gravel, trace sand (CL/ML) |
| | 3<br>4 | 1.5<br>B | 25 | |
| | 0 | | | |
| -30 | 3<br>20 | 1.0<br>B | 22 | |
| 615.24 | | | | End of Boring |
| -35 | | | | |
| -40 | | | | |

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
GSG 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.
Latitude 41.5145904, Longitude -087.6463013

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

STRUCT. NO. N/A
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 ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | Description |
|---|---|---|---|---|
| 648.18 | | | | 2 inches of Topsoil |
| | 4 | | | Brown, Gray, and Black - Moist<br>FILL: SILTY CLAY, trace wood, trace gravel, trace brick |
| | 4<br>3 | 5.8<br>B | 17 | |
| | 7 | | | |
| -5 | 5<br>5 | 6.3<br>B | 18 | |
| 642.35 | | | | |
| | 3 | | | Medium Stiff to Stiff<br>Brown and Gray, Moist to Very Moist<br>SILTY CLAY, trace gravel, trace sand (CL/ML) |
| | 3<br>4 | 3.1<br>B | 20 | |
| ▼ | 0 | | | |
| -10 | 1<br>1 | 0.8<br>B | 32 | |
| | 2 | | | |
| | 3<br>3 | 1.3<br>B | 18 | |
| 634.85 | | | | |
| | 4 | | | Stiff to Hard<br>Gray, Moist<br>SILTY CLAY, trace gravel (CL/ML) |
| 16 | 4<br>6 | 1.7<br>B | 20 | |
| | 3 | | | |
| | 5<br>7 | 2.3<br>B | 19 | |
| | 3 | | | |
| -20 | 6<br>7 | 4.2<br>B | 19 | |
| | | | | Stiff to Hard<br>Gray, Moist<br>SILTY CLAY, trace gravel (CL/ML)<br>*(continued)* |
| | 4 | | | |
| | 5<br>8 | 4.2<br>B | 20 | |
| | 3 | | | |
| -25 | 6<br>8 | 4.4<br>B | 17 | |
| | | | | Sand seam at 26 feet |
| | 4 | | | |
| | 5<br>8 | 2.5<br>B | 19 | |
| 619.85 | | | | |
| | 3 | | | Loose<br>Gray, Wet<br>SAND, with silt, trace gravel (SP/SM) |
| | 3<br>2 | | 23 | |
| 618.35 | | | | End of Boring |
| -35 | | | | |
| -40 | | | | |

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)

MODEL: Default
FILE NAME: C:\Users\KatelynKompare\Czaplicki Lopez, PLLC\24008 IDOT PTB 202-016 WO 17 Dixie Hwy (ABNA) - Documents\General\CADD\CADD_Sheets\0168321-62T84-012 Soil Boring Logs II.dgn

CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184.008135

| | | | |
|---|---|---|---|
| USERNAME = KatelynKompare | DESIGNED - KLK | REVISED - | |
| | CHECKED - GJH | REVISED - | |
| PLOT SCALE = $SCALE$ | DRAWN - RMH | REVISED - | |
| PLOT DATE = | CHECKED - GJH | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS II**
**STRUCTURE NO. 016-8321**
SHEET 12 OF 12 SHEETS

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 35 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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INDEX TABLE

| PARCEL NUMBER | OWNER | SHEET NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|
| ONA0001 | MULTIPLE VENTURES ENTERPRISES, LLC, SERIES CHICAGO HEIGHTS, AN ILLINOIS SERIES LIMITED LIABILITY COMPANY | 2 & 3 | |
| ONA0002 | TRUSTEES OF SCHOOLS OF TOWNSHIP 35, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN FOR THE USE AND BENEFIT OF BLOOM TOWNSHIP HIGH SCHOOL DISTRICT NO. 206 | 2 & 3 | |

STATE OF ILLINOIS

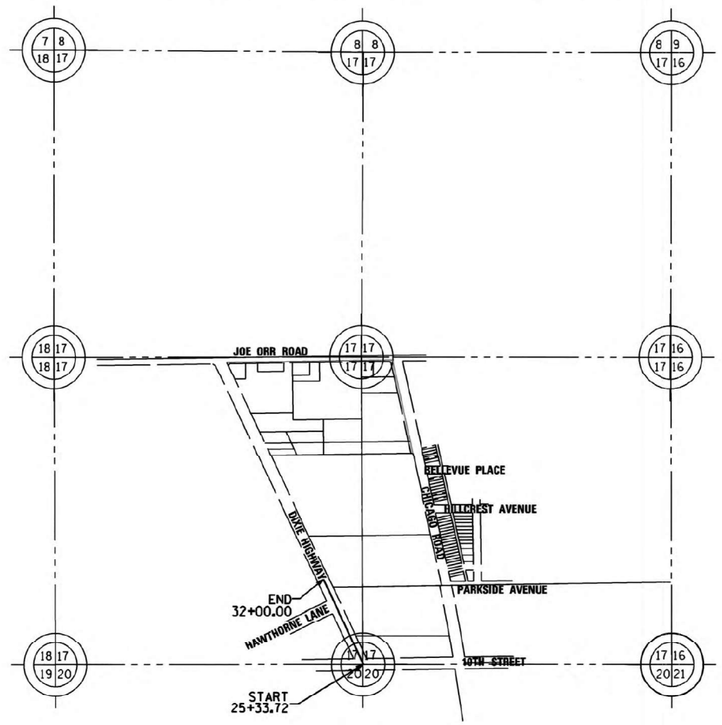
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

# PLAT OF HIGHWAYS

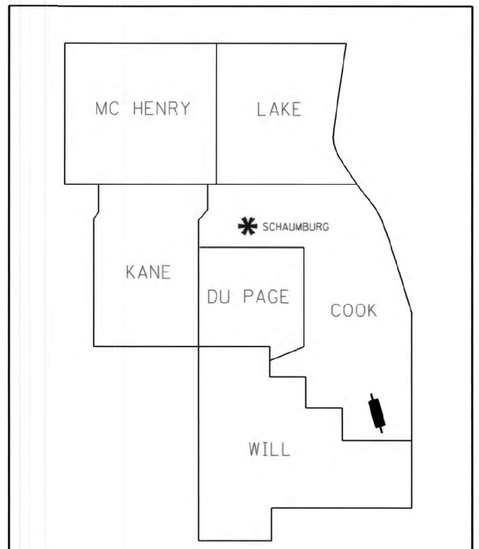
**ROUTE: DIXIE HIGHWAY**
**SECTION:**
**COUNTY: COOK**
**LIMITS: OVER THORN CREEK TRIBUTARY**
**JOB NO.: R-90-013-21**

**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**




## LOCATION MAP

GROSS LENGTH = 666 FT. = 0.126 MILES




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

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

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

**IDOT USE ONLY**

12/1/2023 12:01:02 PM
$#FILE$

MODEL: poh-01 [Sheet]
FILE NAME: J:\2022\6041-17\D1\62T84\CADD Data\Sheets\D162T84-sht-Plat of highway.dgn

ABNA DESIGN FIRM REG. 184.002117

| | | | | |
|---|---|---|---|---|
| USER NAME = galsaillani | DESIGNED - CT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B PLAT OF HIGHWAY PLAN |
| | DRAWN - ABD | REVISED - | | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | | SCALE: Full Size 1 = 1 SHEET 1 OF 3 SHEETS STA. TO STA. |
| PLOT DATE = 4/23/2026 | DATE - 04/02/2025 | REVISED - | | |

| 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 | | |

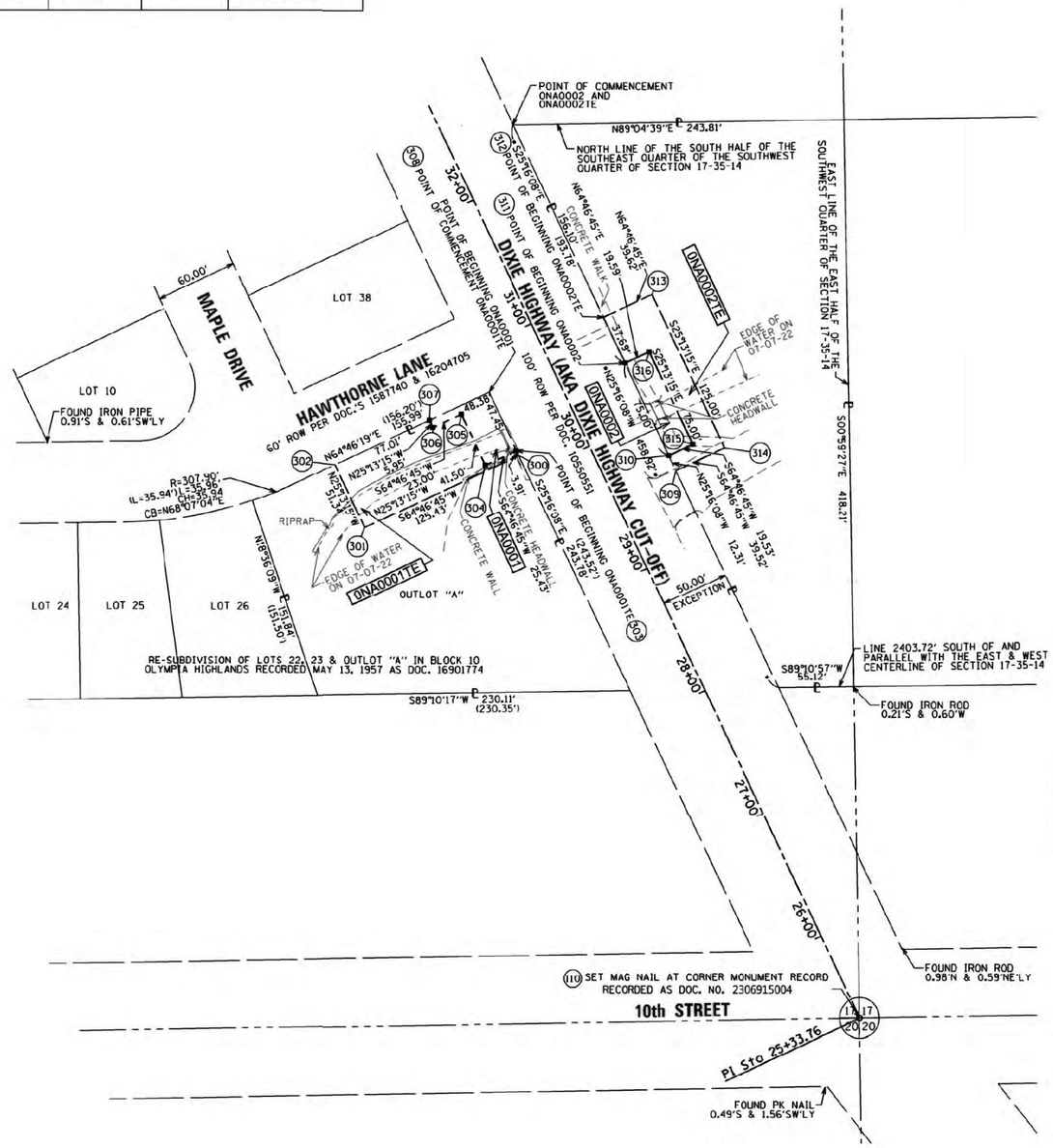
FAU 2843 22 CR

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

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA | | PARCEL INDEX NUMBER |
|---|---|---|---|---|---|---|---|
| | | | | | ACRES | SQUARE FEET | |
| ONA0001<br>ONA0001TE | 0.915 | 0.031 | N/A | 0.884 | 0.117 | - | 32-17-306-060 |
| ONA0002<br>ONA0002TE | 1.435 | 0.034 | N/A | 1.401 | 0.080 | - | 32-17-302-008 |

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

| POINT | NORTHING | EASTING | STATION | OFFSET | |
|---|---|---|---|---|---|
| 110 | 1,766,007.138 | 1,172,690.568 | 25+33.76 | 0.00 | |
| 300 | 1,766,421.932 | 1,172,439.451 | 30+16.11 | 50.00 | L |
| 301 | 1,766,368.545 | 1,172,325.977 | 30+16.22 | 175.43 | L |
| 302 | 1,766,414.994 | 1,172,304.099 | 30+67.56 | 175.39 | L |
| 303 | 1,766,425.526 | 1,172,437.783 | 30+20.02 | 50.00 | L |
| 304 | 1,766,414.691 | 1,172,414.779 | 30+20.04 | 75.43 | L |
| 305 | 1,766,452.235 | 1,172,397.096 | 30+61.54 | 75.39 | L |
| 306 | 1,766,442.437 | 1,172,376.293 | 30+61.56 | 98.39 | L |
| 307 | 1,766,447.815 | 1,172,373.759 | 30+67.51 | 98.38 | L |
| 308 | 1,766,468.437 | 1,172,417.527 | 30+67.47 | 50.00 | L |
| 309 | 1,766,410.752 | 1,172,555.338 | 29+56.48 | 50.00 | R |
| 310 | 1,766,421.888 | 1,172,550.081 | 29+68.79 | 50.00 | R |
| 311 | 1,766,489.712 | 1,172,518.066 | 30+43.79 | 50.00 | R |
| 312 | 1,766,523.791 | 1,172,501.979 | 30+81.48 | 50.00 | R |
| 313 | 1,766,540.675 | 1,172,537.826 | 30+81.45 | 89.62 | R |
| 314 | 1,766,427.592 | 1,172,591.090 | 29+56.45 | 89.52 | R |
| 315 | 1,766,430.210 | 1,172,567.149 | 29+68.78 | 69.53 | R |
| 316 | 1,766,498.060 | 1,172,535.791 | 30+43.78 | 69.59 | R |




## LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

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

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.31' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.31') — RECORDED DIMENSION
- EXISTING BUILDING

*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 0.99998999.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

STATE OF ILLINOIS )
)SS
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, 2024 A.D.

PROFESSIONAL LAND SURVEYOR — MICHAEL F. O'CONNOR — 035-002592 — ROSEMONT ILLINOIS — STATE OF ILLINOIS

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

**IDOT USE ONLY**

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

REVISION DATE: ---/---/--- REVISION MADE BY: ----------

| | DATE | BY |
|---|---|---|
| DRAWN | 01-11-23 | SMC |
| APPROVED | 01-11-23 | WFO |
| REVISED | | |

MODEL: poh-02 [Sheet]
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1/9/2025 2:51:23 PM
$FILE$

ABNA DESIGN FIRM REG. 184.002117

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

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

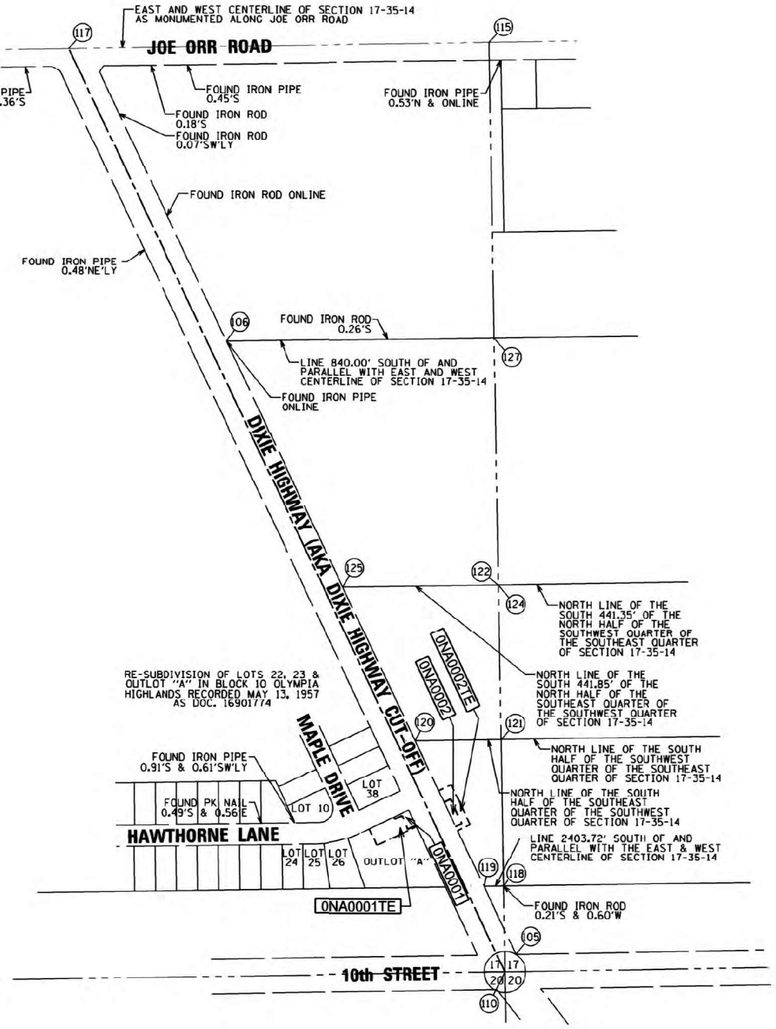
**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**PLAT OF HIGHWAY PLAN**

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

| 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 ####

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




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 |

## LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 200
SCALE: 1"= 200'

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

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL 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) "CRID" .
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.

STATE OF ILLINOIS )
) SS
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.

PROFESSIONAL LAND SURVEYOR — MICHAEL F. O'CONNOR — 035-002592 — ROSEMONT ILLINOIS — STATE OF ILLINOIS

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. 54+41.94
SCALE: 1" = 200' — SHEET 3 OF 3 SHEETS

**IDOT USE ONLY**

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

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

REVISION DATE: ___/___/___ REVISION MADE BY: _____

MODEL: poh-03 [Sheet]
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-Plat of highway.dgn
1/8/2023 2:52:53 PM
$FILE$

ABNA DESIGN FIRM REG. 184.002117

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

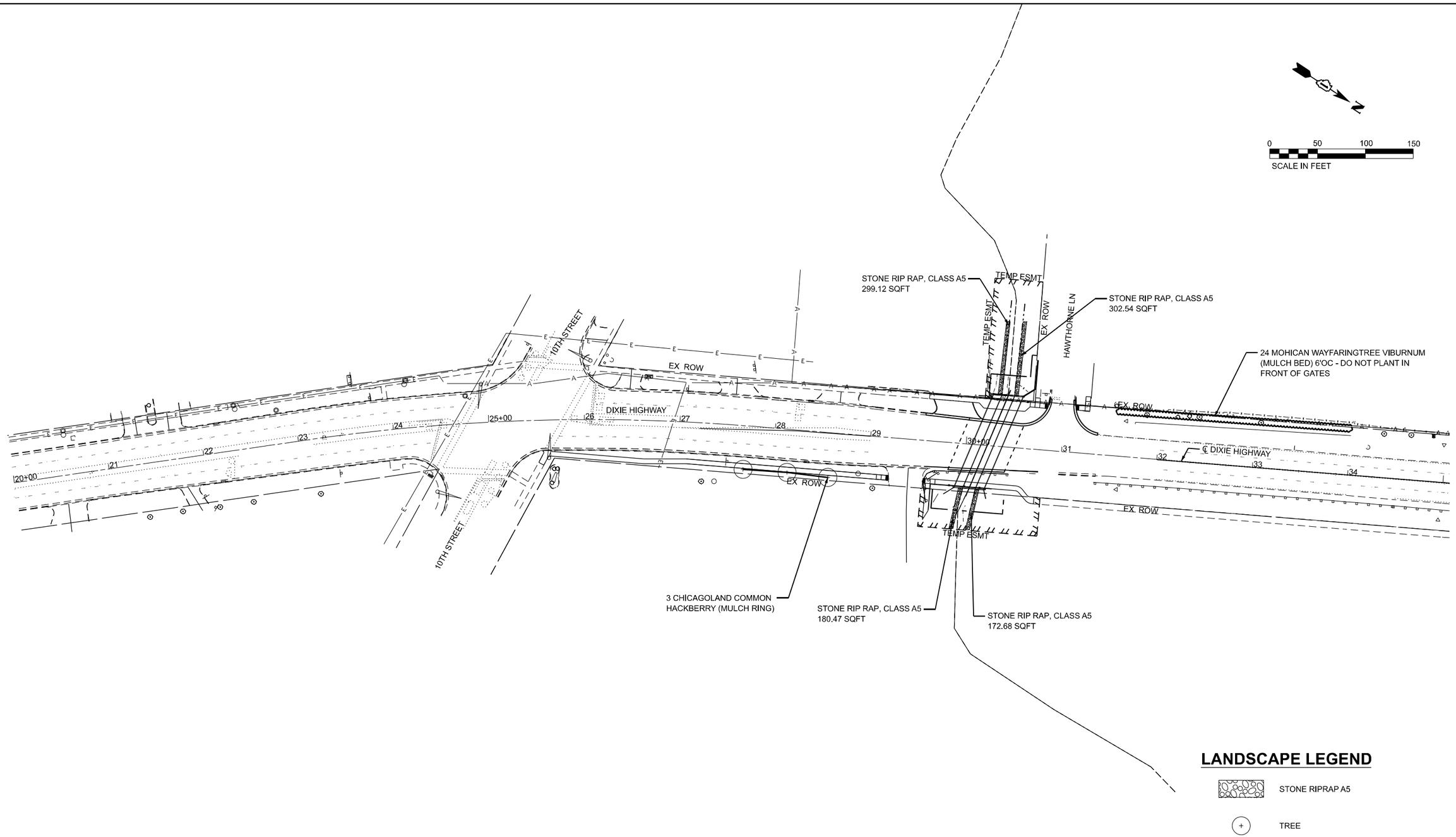
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

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

SCALE: Full Size 1 = 1 | SHEET 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 | | |

FAU 2843 22 CR




## LANDSCAPE LEGEND

STONE RIPRAP A5

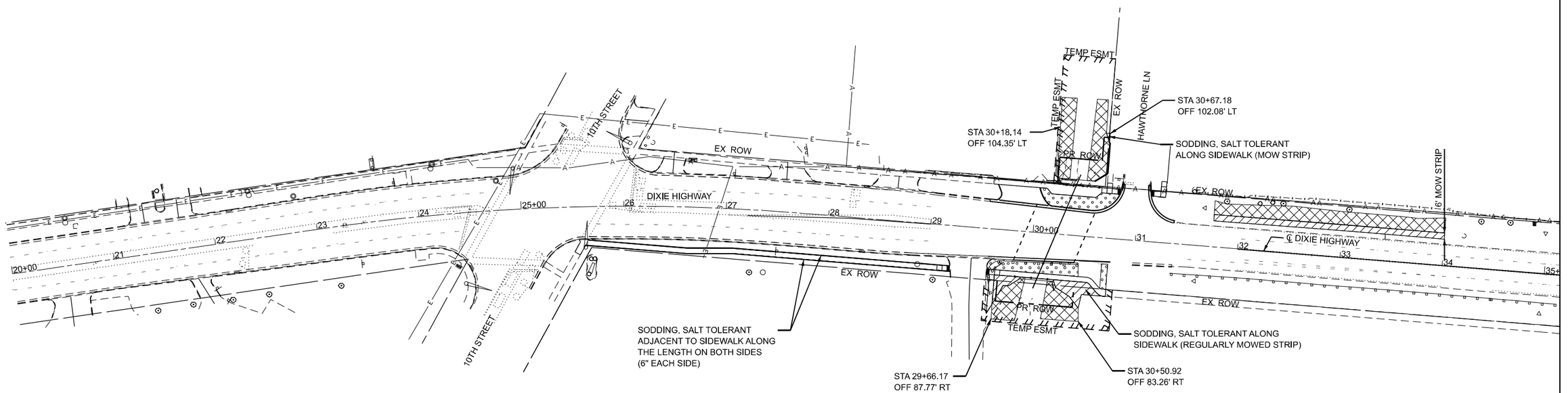
TREE

MODEL: Landscape-Plan 1 [Sheet]
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-landscape.dgn

ABNA
DESIGN FIRM REG. 184.002117

| | | | | | |
|---|---|---|---|---|---|
| USER NAME = galsailani | DESIGNED - CT | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B<br>LANDSCAPE PLAN | |
| | DRAWN - ABD | REVISED - | | | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | | | |
| PLOT DATE = 4/29/2026 | DATE - 08/22/24 | REVISED - | | 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 | | |




## TURF RESTORATION LEGEND

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

MODEL: Turf Restoration [Sheet]
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-Turf restoration.dgn

ABNA
DESIGN FIRM REG. 184.002117

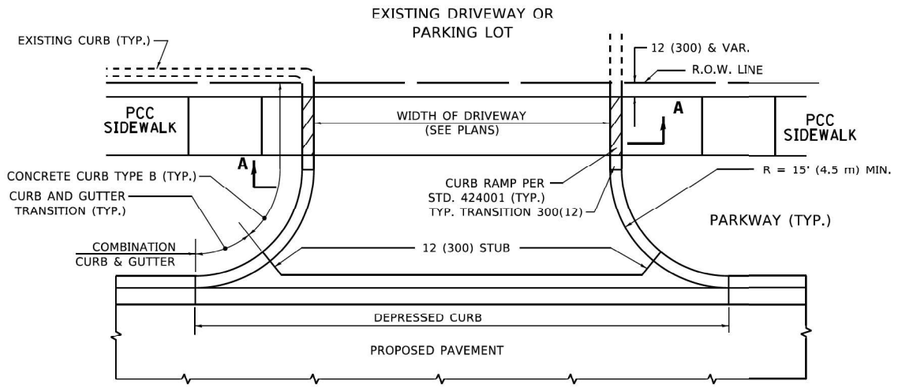
| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - GA | REVISED - | |
| | DRAWN - GA | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 4/29/2026 | DATE - 09/09/25 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

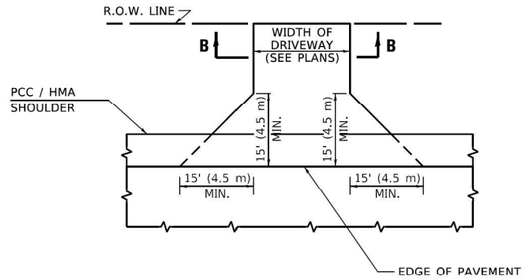
**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**TURF RESTORATION**

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

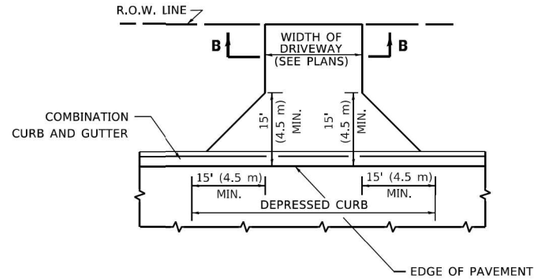
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 40 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS FED. AID PROJECT | | | |



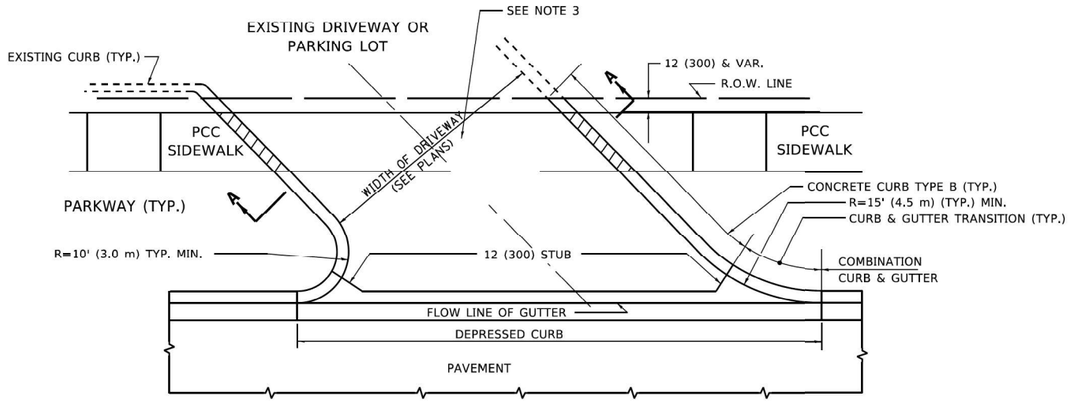

**WITH CONCRETE CURB, TYPE B**



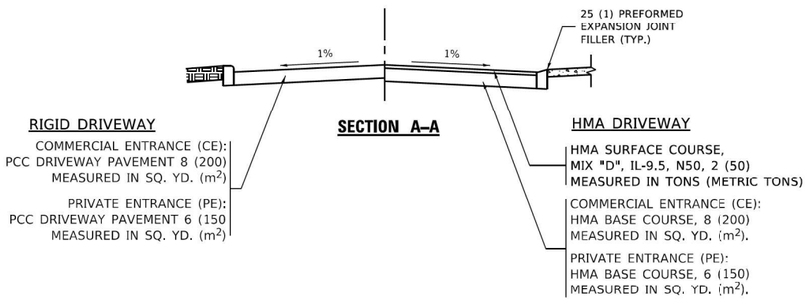

**ADJACENT TO PCC /HMA SHOULDER**

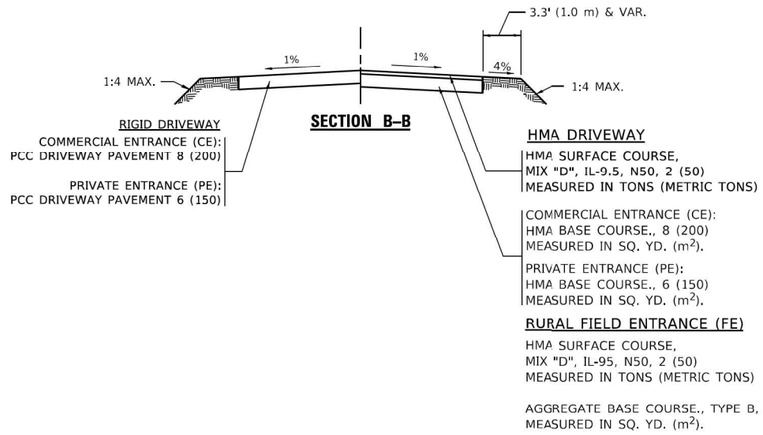



**ADJACENT TO CURB AND GUTTER**




**WITH CONCRETE CURB, TYPE B**




**GENERAL NOTES**

1. 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.

2. 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.

MODEL: D1 BD01 [Sheet]
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|---|---|---|---|
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| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 4/23/2026 | DATE - 04/02/2025 | REVISED - | |

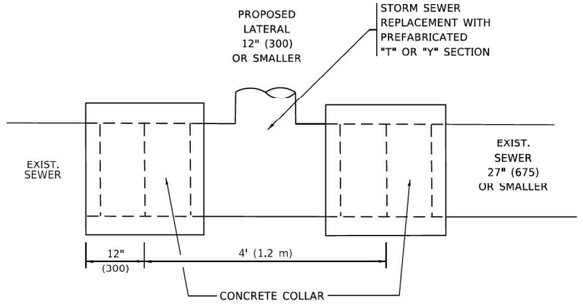
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

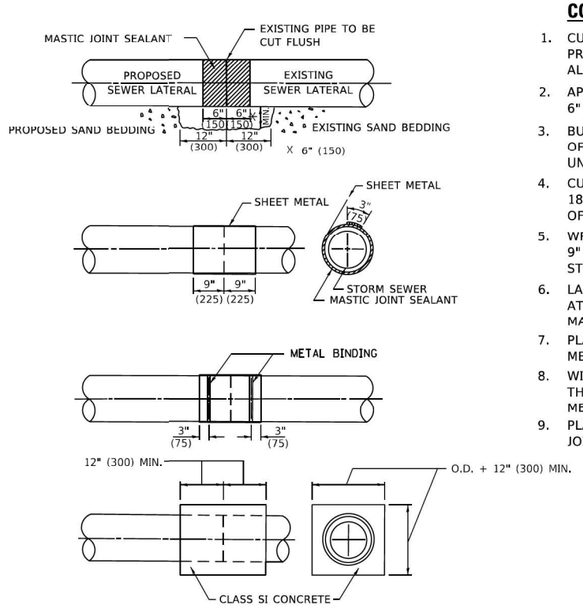
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 41 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |

FAU 2843 22 CR




## DETAIL "A"

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

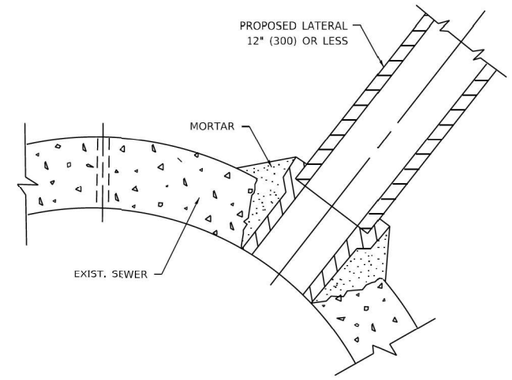



## DETAIL "B"

CLASS SI CONCRETE COLLAR

### 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.




## DETAIL "C"

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

# 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 PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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


MODEL: D1 bd-07 [Sheet]
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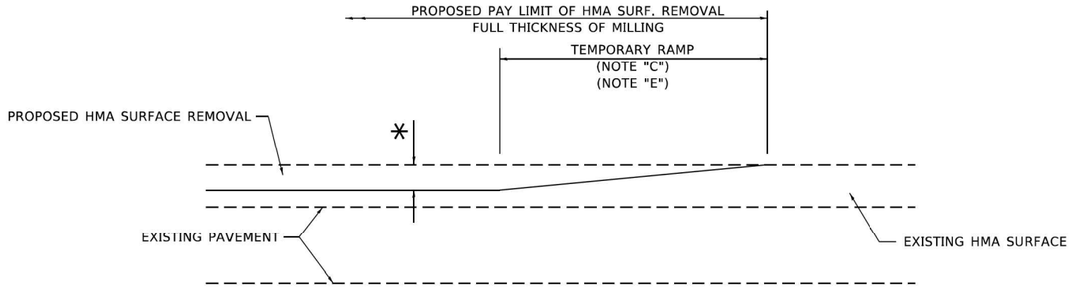
| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 4/23/2026 | DATE - 04/02/2025 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B
DISTRICT 1 STANDARDS (BD-07)

SCALE: #### | SHEET 2 OF 11 SHEETS | STA. | TO STA.

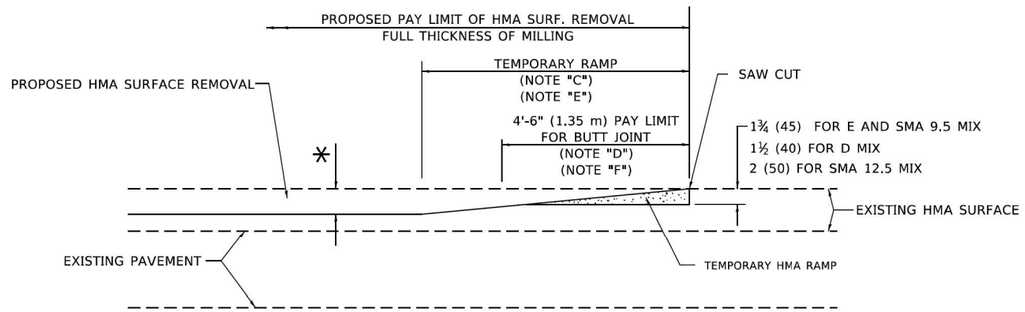
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 42 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |




**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

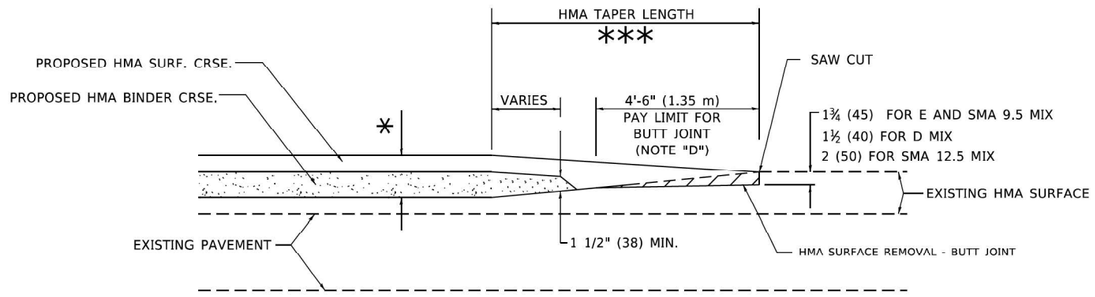



**HMA CONSTRUCTED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

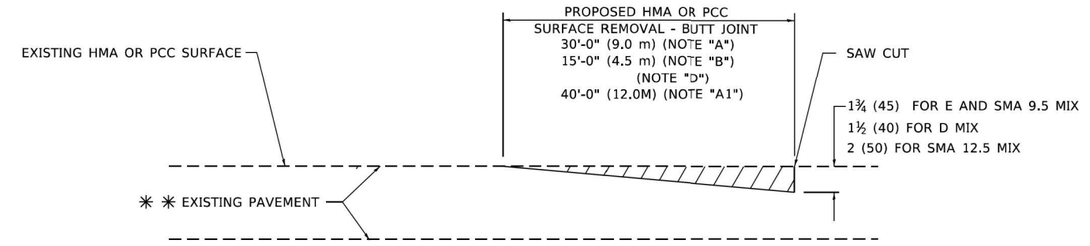
**OPTION 2**

# TYPICAL TEMPORARY RAMP

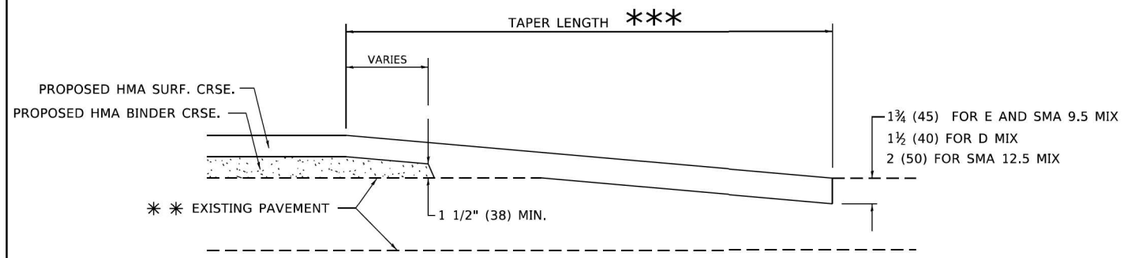



**BUTT JOINT AND HMA TAPER**

# 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.

MODEL: D1 BD-32 [Sheet]
FILE NAME: J:\2022\6041-17\D1\62T84\CADD Data\Sheets\D1t62T84-sht-D1 STANDARDS.dgn

ABNA DESIGN FIRM REG. 184.002117

| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | 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**
**DISTRICT 1 STANDARDS (BD-32)**

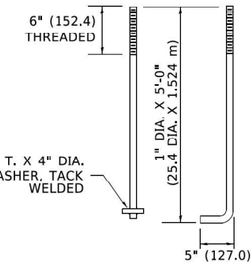
SCALE: 1"=1'-0" | SHEET 1 OF 11 SHEETS | STA. | TO STA.

| 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 | |

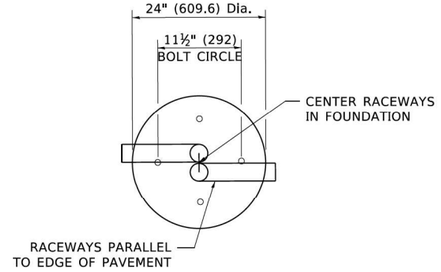
#### FAU 2843 22 CR

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

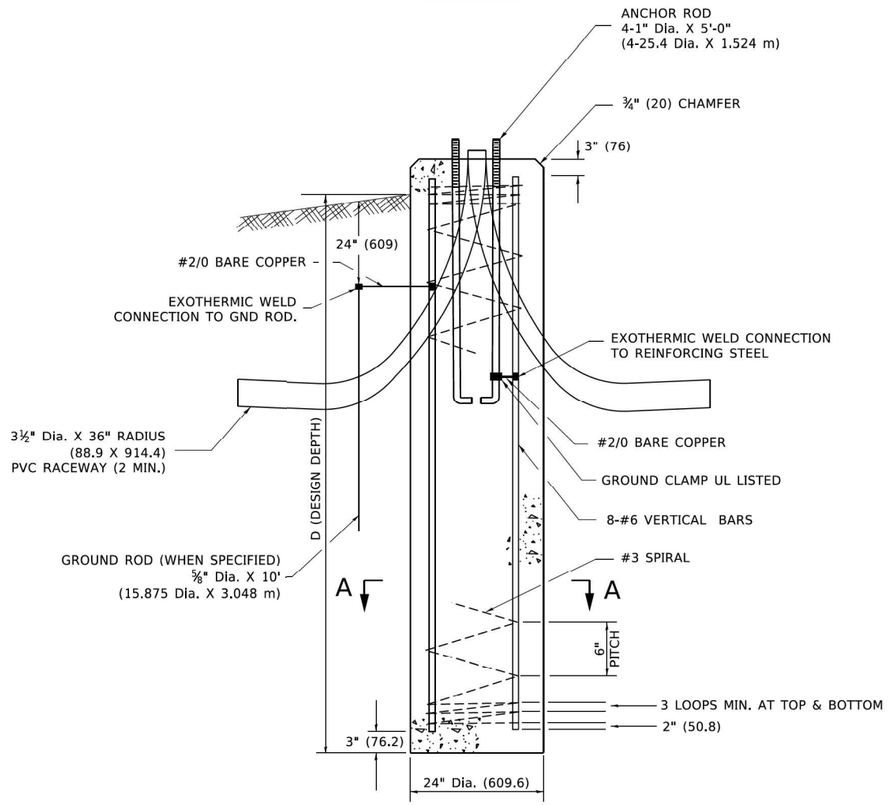
| SOIL CONDITIONS | DESIGN DEPTH "D" OF FOUNDATION | |
|---|---|---|
| | SINGLE ARM POLE | TWIN ARM POLE |
| SOFT CLAY<br>Qu = 0.375 TON/SQ. FT. | 11'-0"<br>(3.35 m) | 12'-8"<br>(3.85 m) |
| MEDIUM CLAY<br>Qu = 0.75 TON/SQ.FT | 9'-0"<br>(2.74 m) | 14'-10"<br>(4.52 m) |
| STIFF CLAY<br>Qu = 1.50 TON/SQ.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



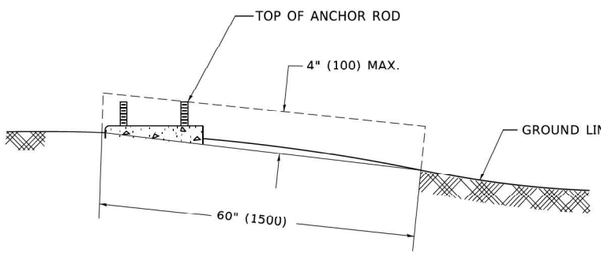

## ANCHOR BOLT DETAIL



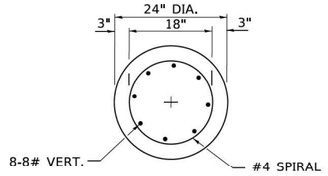

## TOP VIEW




## FOUNDATION DETAIL




## FOUNDATION EXTENSION DETAIL




## SECTION A–A

## NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. 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.
4. 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.
5. 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).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
13 THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

MODEL: D1 BE 300 [Sheet]
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| | | |
|---|---|---|
| USER NAME = galsaillani | DESIGNED - CT | REVISED - |
| | DRAWN - ABD | REVISED - |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - 04/02/2025 | REVISED - |

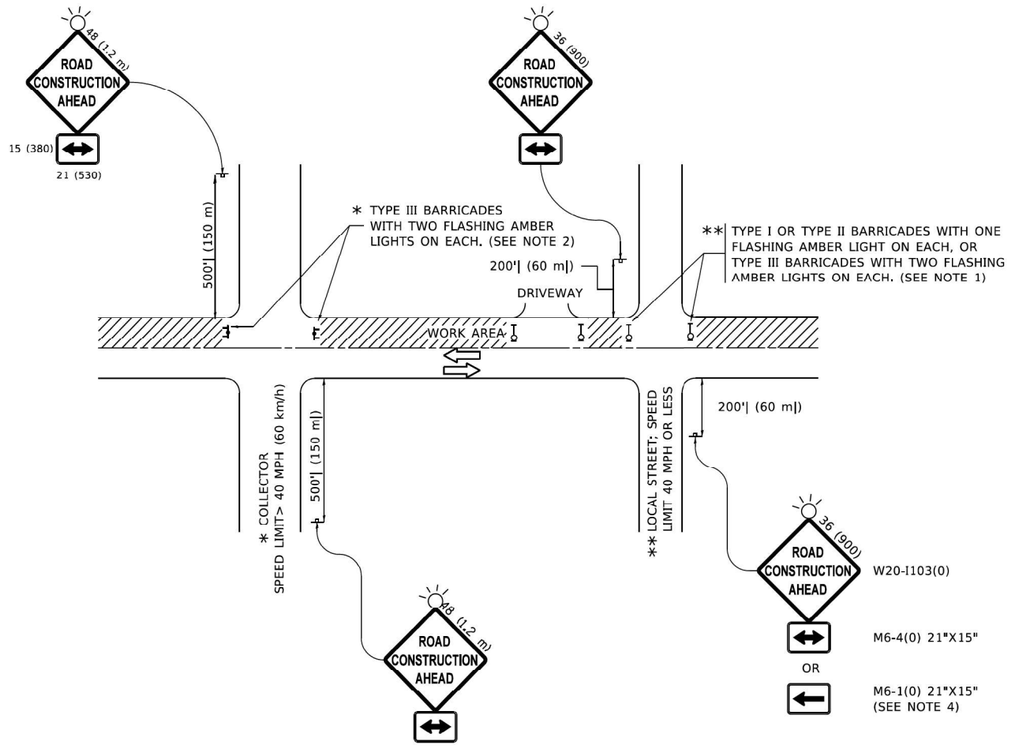
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**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.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
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.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
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.

MODEL: D1 TC 10 [Sheet]
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|---|---|---|---|
| USER NAME = galsailani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | 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**
**DISTRICT 1 STANDARDS (TC-10)**

SCALE: #### | SHEET 5 OF 11 SHEETS | STA. | TO STA.

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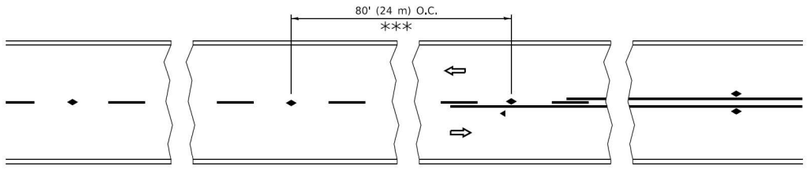
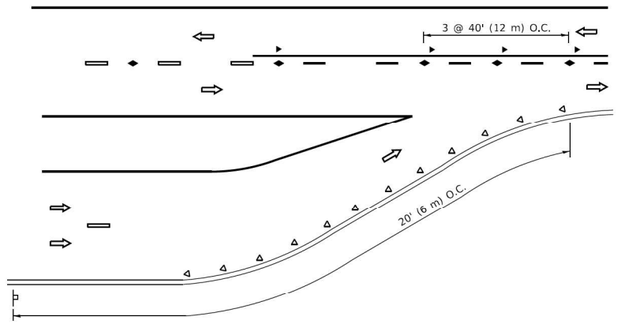
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |



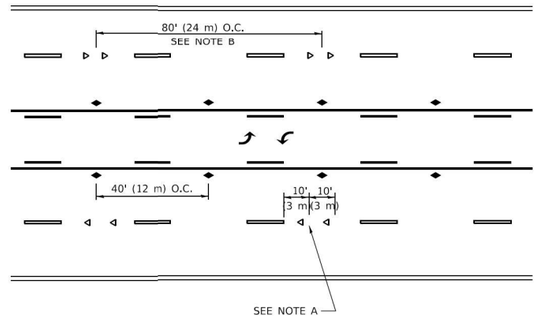

*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

## TWO–LANE/TWO–WAY

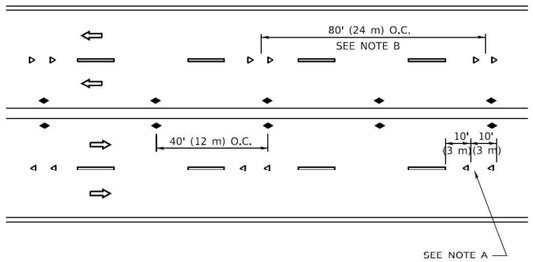
SEE FIGURE 3B-14 MUTCD



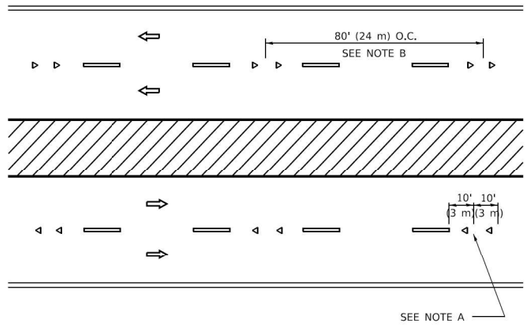

## LANE REDUCTION TRANSITION



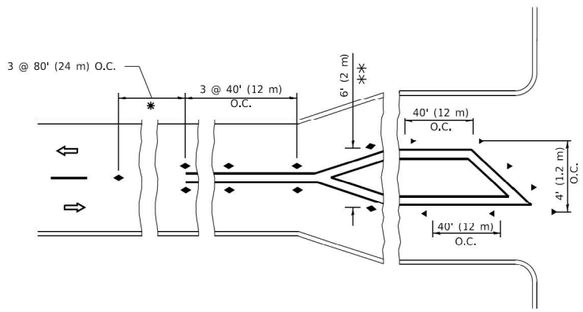

## TWO–WAY LEFT TURN

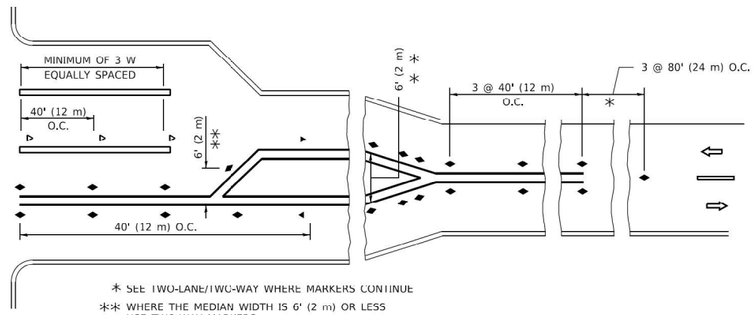



## MULTI–LANE/UNDIVIDED




## MULTI–LANE/DIVIDED




* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

## TURN LANES

## GENERAL NOTES

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

## SYMBOLS

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

## 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.

## DESIGN NOTES

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

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

MODEL: D1 TC-11 [Sheet]
FILE NAME: J:\2022\6041-17\D162784\CADD Data\Sheets\D162784-sht-D1 STANDARDS.dgn

ABNA DESIGN FIRM REG. 184.002117

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

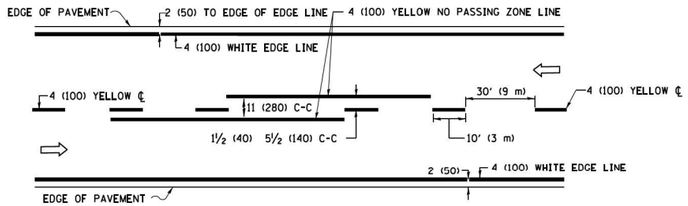
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

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

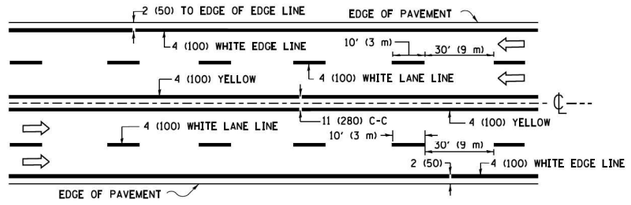
SCALE: 1"=1'-0" | SHEET 2 OF 11 SHEETS | STA. | TO STA.

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 46 |
| | | CONTRACT NO. 62T84 | | |
| | | ILLINOIS | FED. AID PROJECT | |

#### FAU 2843 22 CR




## 2–LANE ROADWAY

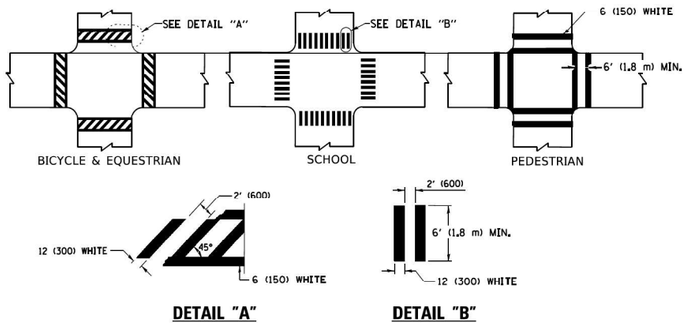



## MULTI–LANE UNDIVIDED




## MULTI–LANE DIVIDED
WITH MEDIAN

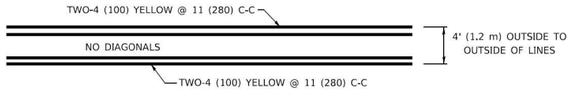
## TYPICAL LANE AND EDGE LINE MARKING



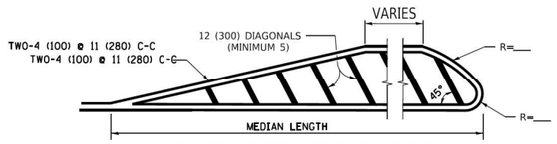

**DETAIL "A"** **DETAIL "B"**

## TYPICAL CROSSWALK MARKING

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



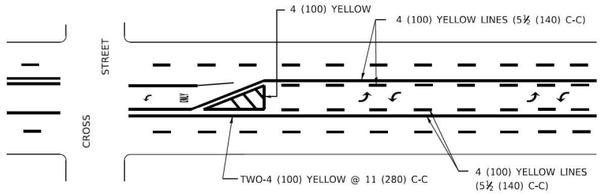

## 4' (1.2 m) WIDE MEDIANS ONLY



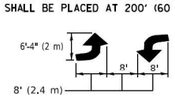

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

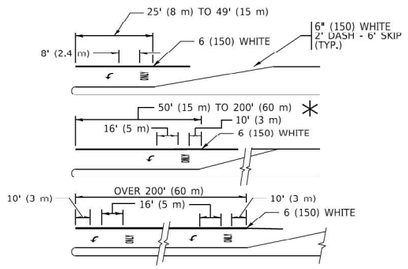



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.




## MEDIAN WITH TWO–WAY LEFT TURN LANE

## TYPICAL PAINTED MEDIAN MARKING

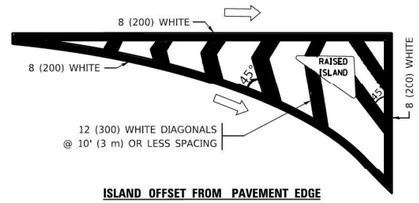



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

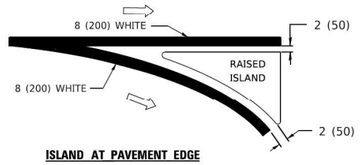
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

## TYPICAL LEFT (OR RIGHT) TURN LANE

## TYPICAL TURN LANE MARKING

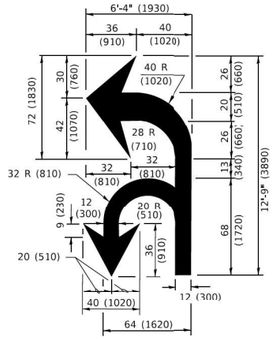



**ISLAND OFFSET FROM PAVEMENT EDGE**

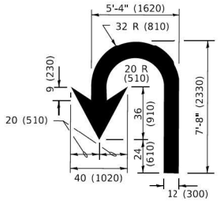



**ISLAND AT PAVEMENT EDGE**

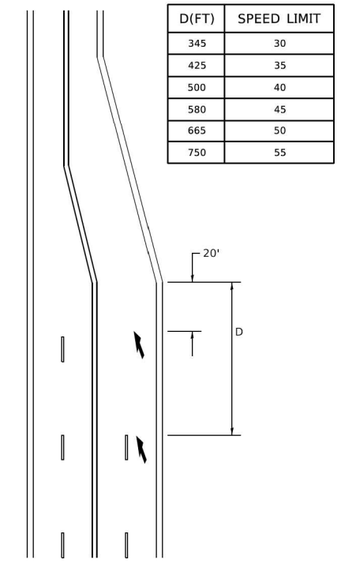
## TYPICAL ISLAND MARKING




## COMBINATION LEFT AND U–TURN




## U–TURN




| D(FT) | SPEED LIMIT |
|---|---|
| 345 | 30 |
| 425 | 35 |
| 500 | 40 |
| 580 | 45 |
| 665 | 50 |
| 750 | 55 |

## 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:<br>FOR ONE DIRECTION<br>FOR BOTH DIRECTIONS | 4 (100)<br>2 @ 4 (100) | SOLID<br>SOLID | YELLOW<br>YELLOW | 5½ (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100)<br>5 (125) ON FREEWAYS | SKIP-DASH<br>SKIP-DASH | WHITE<br>WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES<br>(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<br>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)<br>EACH DIRECTION<br><br>8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW<br><br>WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE<br>SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90° | SOLID<br>SOLID<br>SOLID | WHITE<br>WHITE<br>WHITE | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>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°<br>NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))<br>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<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m² EACH<br>"X"=54.0 SQ. FT. (5.0 m² |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8' ) | 12 (300) @ 45° | SOLID | WHITE - RIGHT<br>YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION<br>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.

MODEL: D1 TC-13 [Sheet]
FILE NAME: J:\2022\6041-17\D1\62T84\CADD Data\Sheets\D162T84-sht-D1 STANDARDS.dgn

ABNA DESIGN FIRM REG. 184.002117

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

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

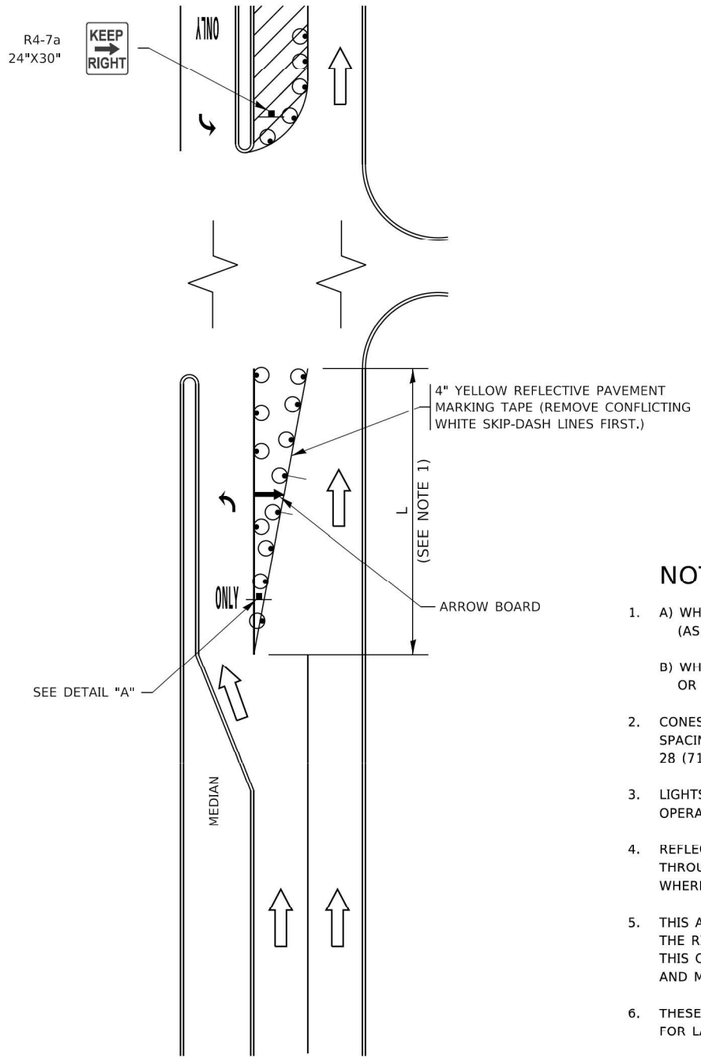
**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**DISTRICT 1 STANDARDS (TC-13)**

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

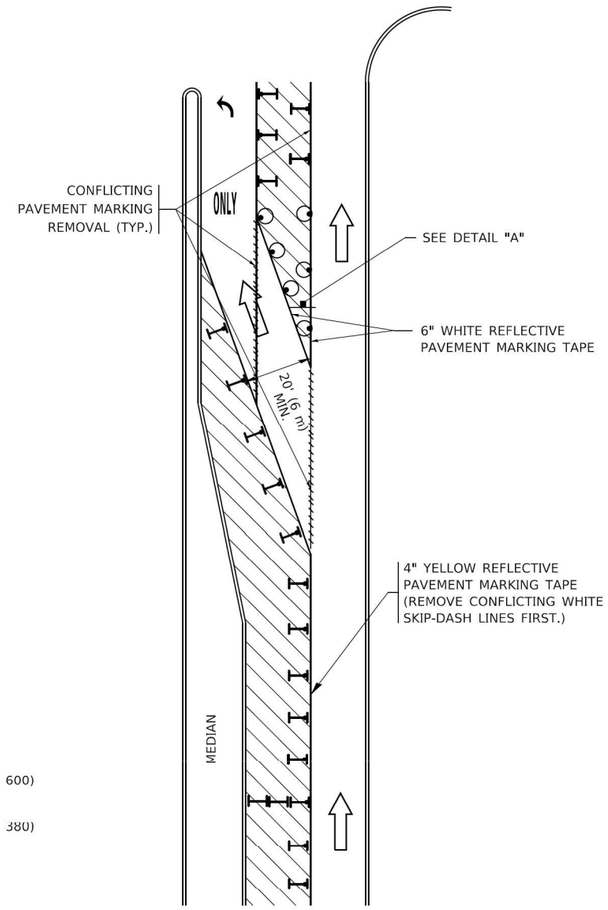
- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

## NOTES:

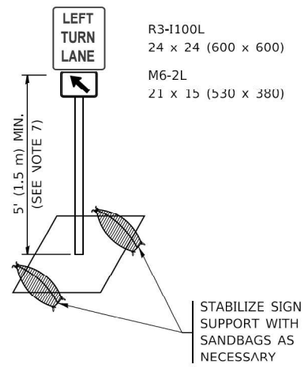
1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. 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.
5. 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.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. 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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ABNA DESIGN FIRM REG. 184.002117

| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | 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**
**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 | | |
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#### FAU 2843 22 CR ####

## ROUTE MARKERS

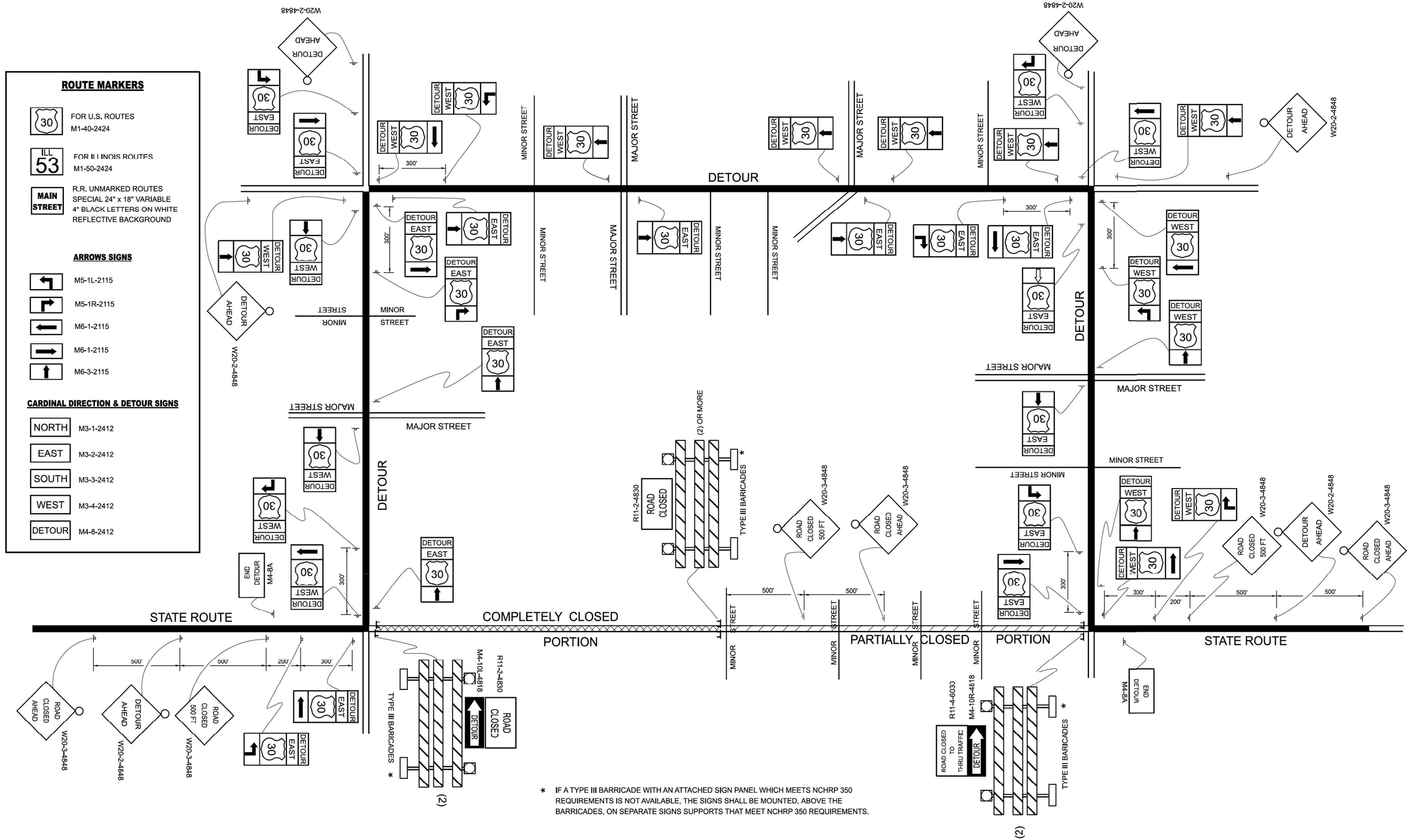
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

### ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

### CARDINAL DIRECTION & DETOUR SIGNS

- NORTH — M3-1-2412
- EAST — M3-2-2412
- SOUTH — M3-3-2412
- WEST — M3-4-2412
- DETOUR — M4-8-2412




* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

MODEL: D1 TC-21-1 [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

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| | DRAWN - GA | REVISED - |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - 09/10/25 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**DISTRICT 1 STANDARDS (TC-21)**

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 | 49 |
| | | CONTRACT NO. 62T84 | | |
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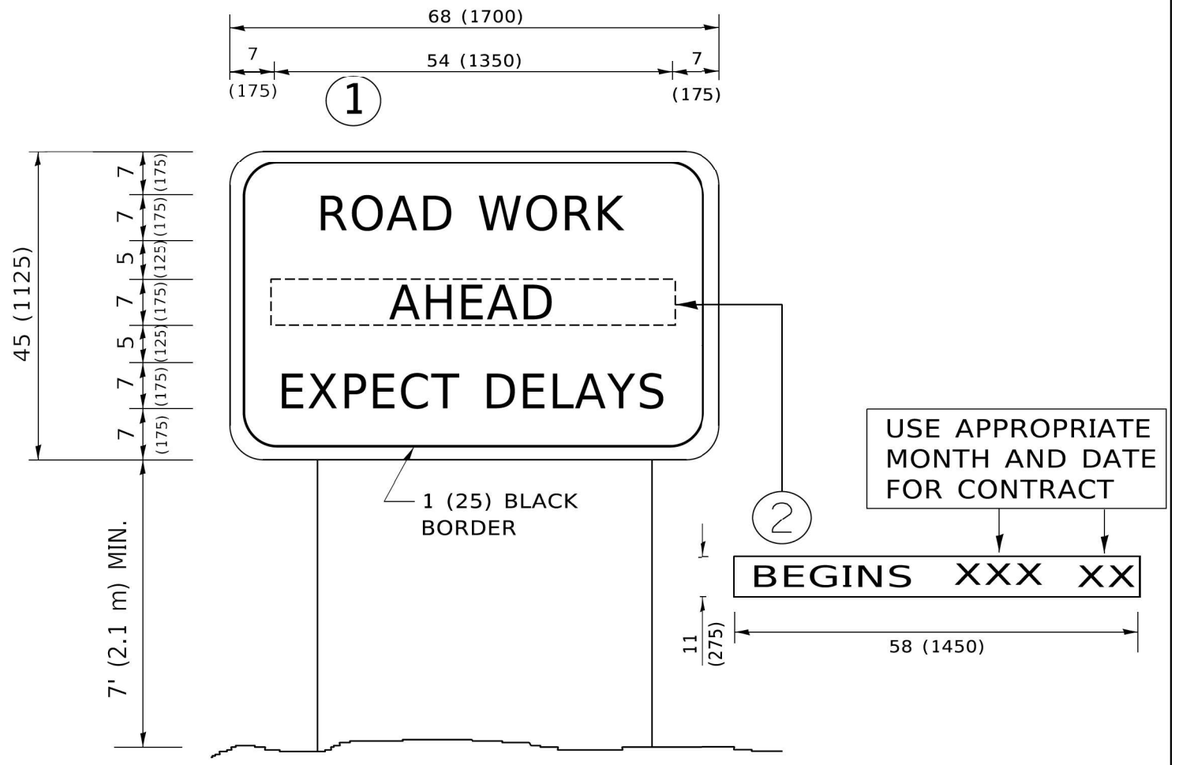


## NOTES:

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.



ABNA DESIGN FIRM REG. 184.002117

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| USER NAME = galsailani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | 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**
**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. |
|---|---|---|---|---|
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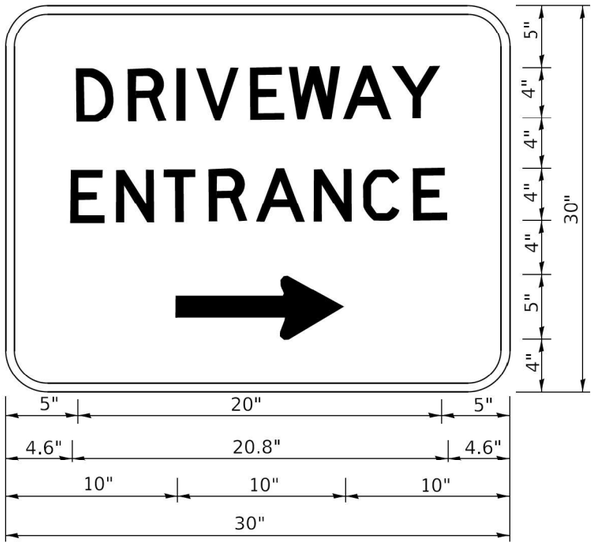
| | ILLINOIS | FED. AID PROJECT | | |

#### FAU 2843 22 CR




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".

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| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | 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**
**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. |
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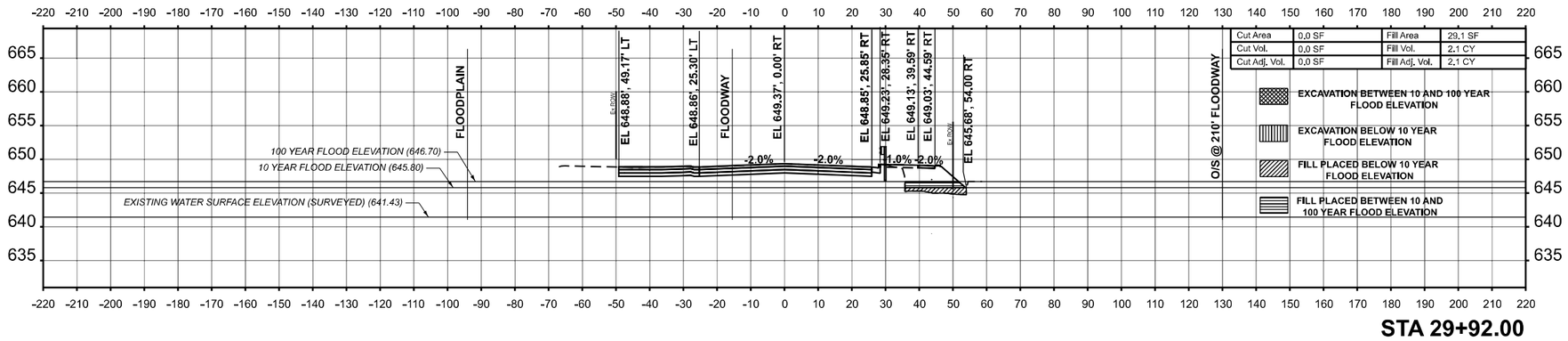
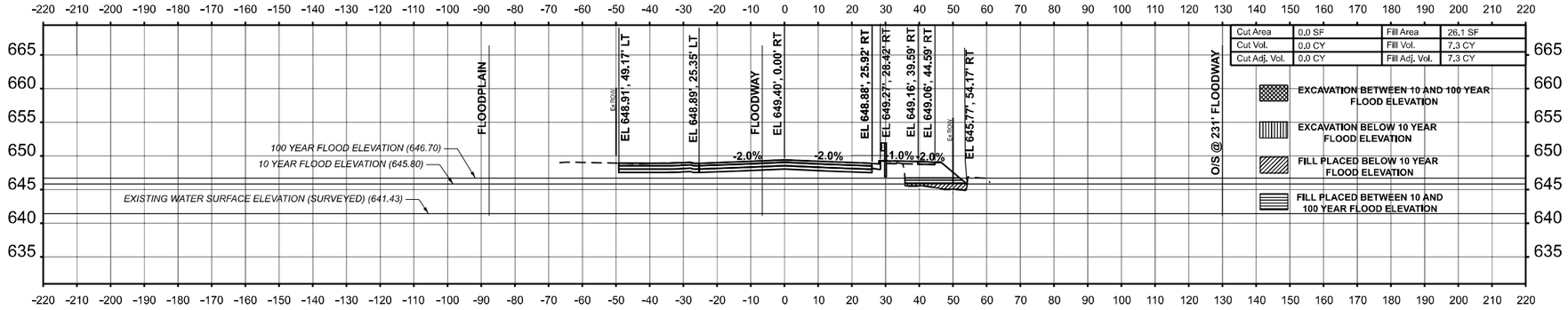
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS FED. AID PROJECT | | | |

#### FAU 2843 22 CR




**STA 29+92.00**

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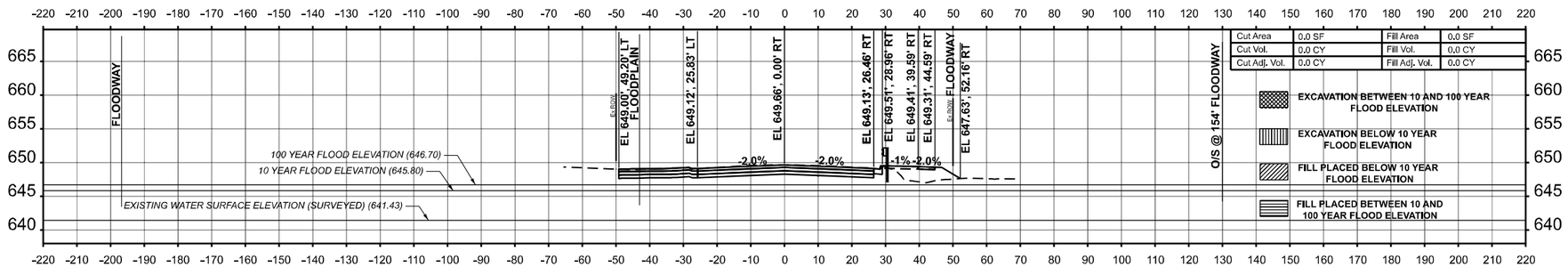


**STA 29+75.00**

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

FINAL SURVEY / ORIGINAL SURVEY
NOTE BOOK
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SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
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| 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. |
|---|---|---|---|---|
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| | | CONTRACT NO. 62T84 | | |
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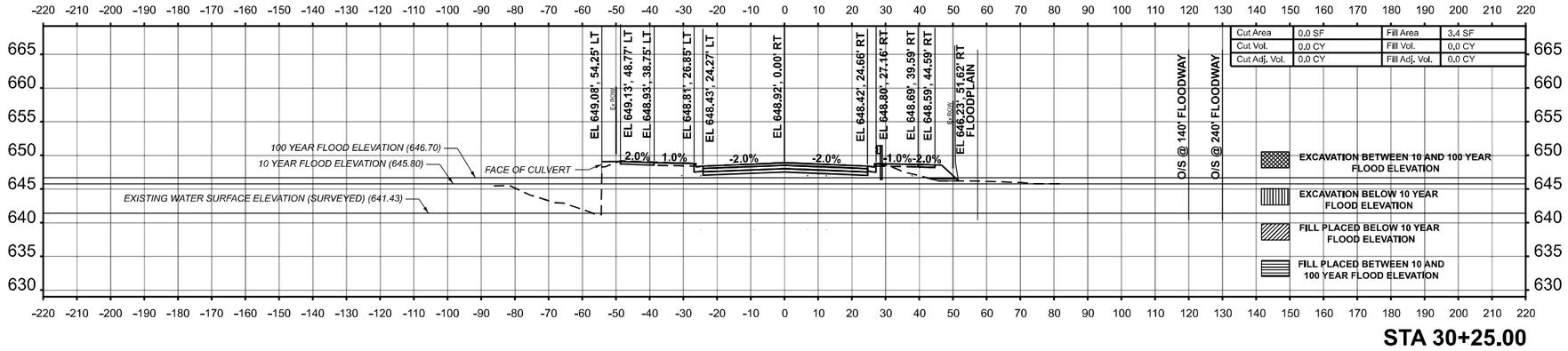
#### FAU 2843 22 CR ####

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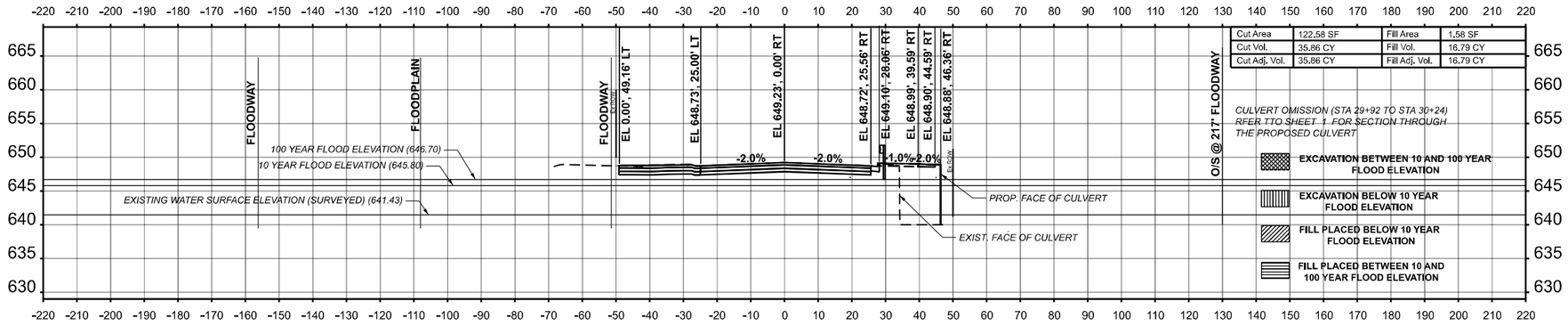


**STA 30+00.00**

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

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

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

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| 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. |
|---|---|---|---|---|
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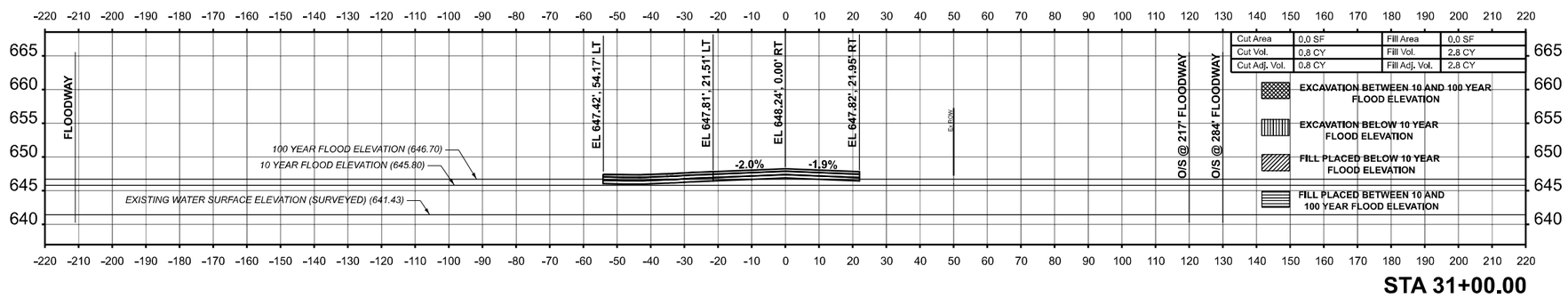
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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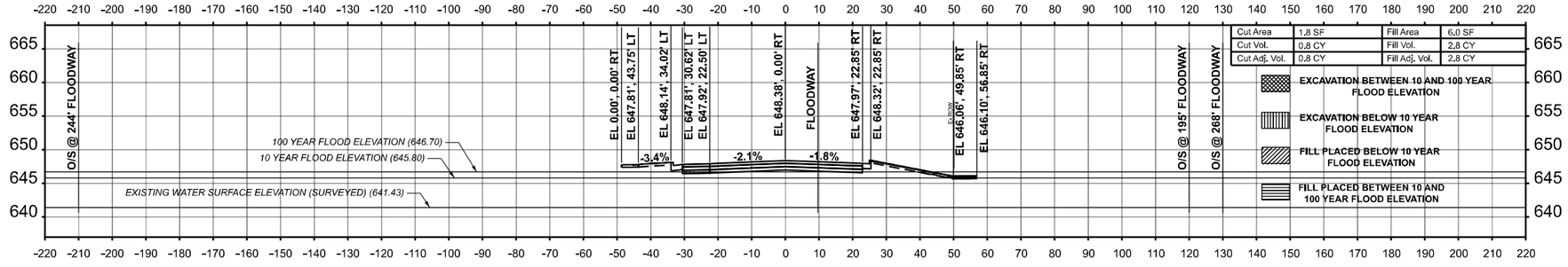


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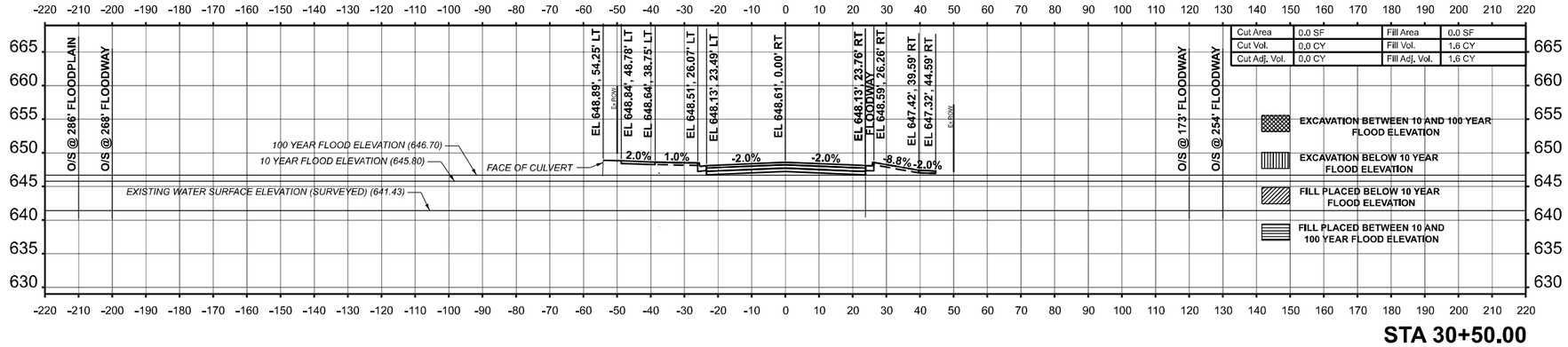


**STA 30+50.00**

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

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

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|---|---|---|---|---|---|
| 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. 30+50.00 | TO STA. 31+00.00

| 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 | |

FAU 2843 22 CR

FINAL SURVEY

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
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NOTE BOOK
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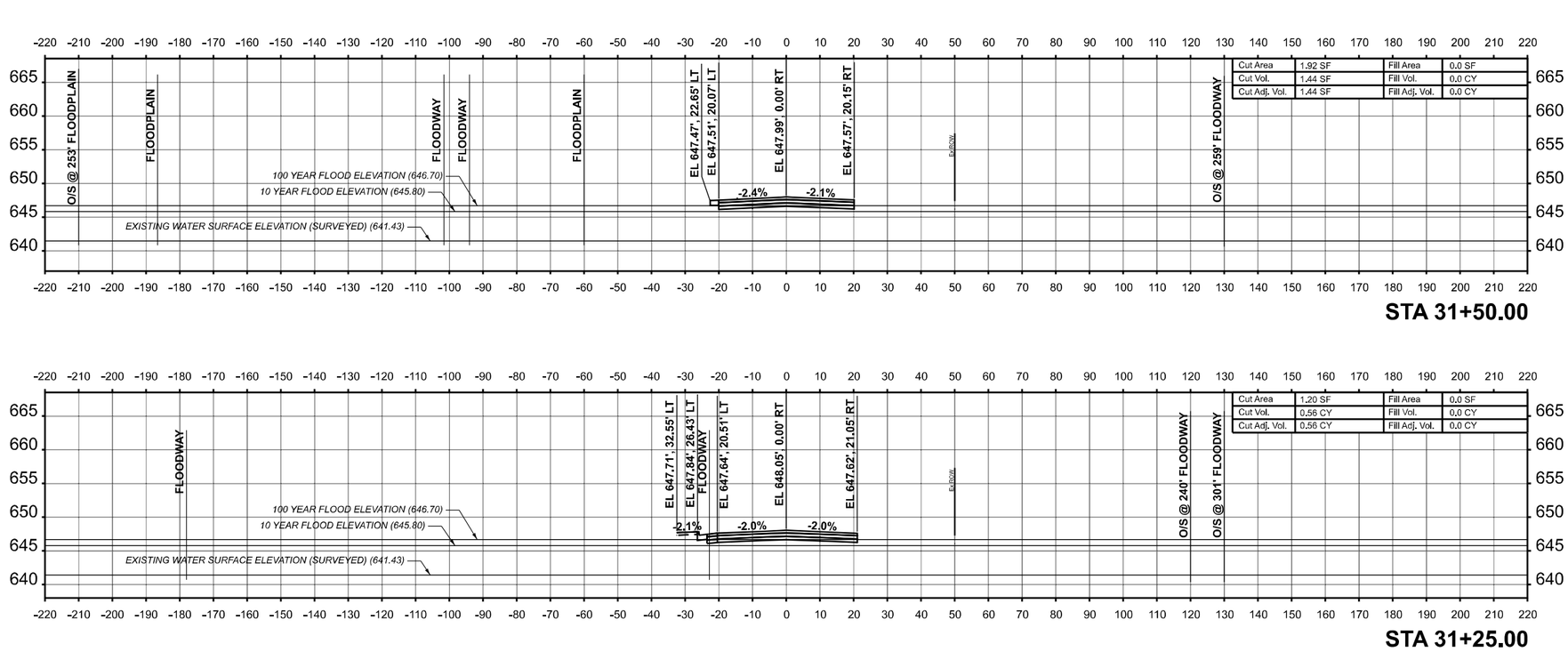


NOTE:
FOR CUT/FILL FLOODPLAIN VALUES SEE
COMPENSATORY STORAGE CALCULATIONS.

ORIGINAL SURVEY

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |

NOTE BOOK
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ABNA
DESIGN FIRM REG. 184.002117

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|---|---|---|---|---|---|
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| | | DRAWN | - ABD | REVISED | - |
| PLOT SCALE | = $SCALE$ | CHECKED | - TPP | REVISED | - |
| PLOT DATE | = 10/1/2025 | DATE | - 07/09/25 | REVISED | - |

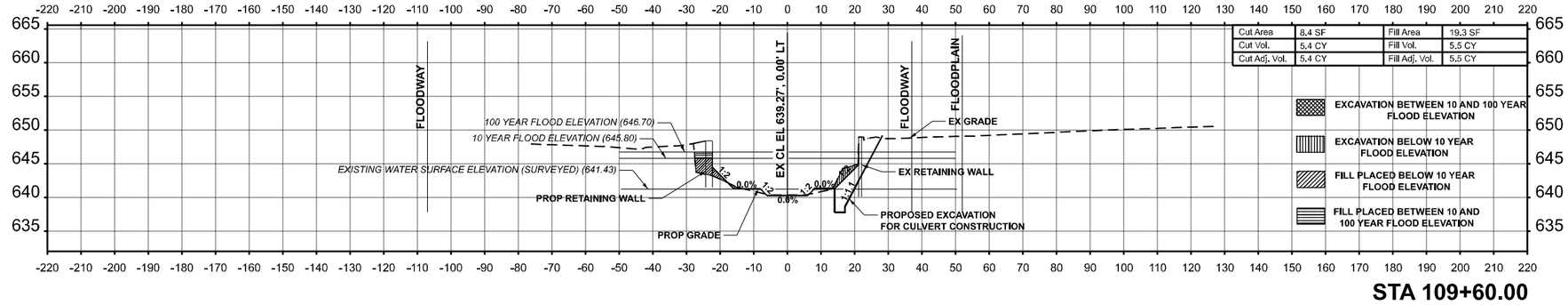
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**CROSS SECTIONS**

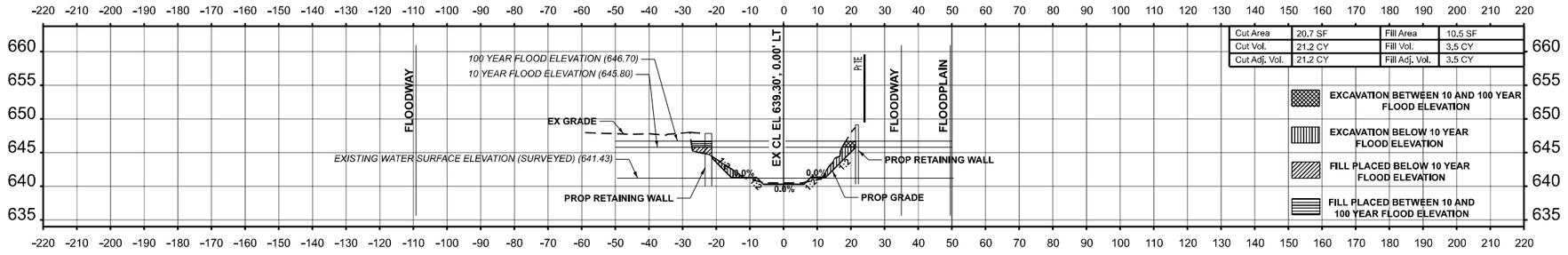
SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. 31+25.00 | TO STA. 31+50.00

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2843 | FAU 2843 22 CR | COOK | 57 | 55 |
| | | CONTRACT NO. 62T84 | | |
| | ILLINOIS | FED. AID PROJECT | | |

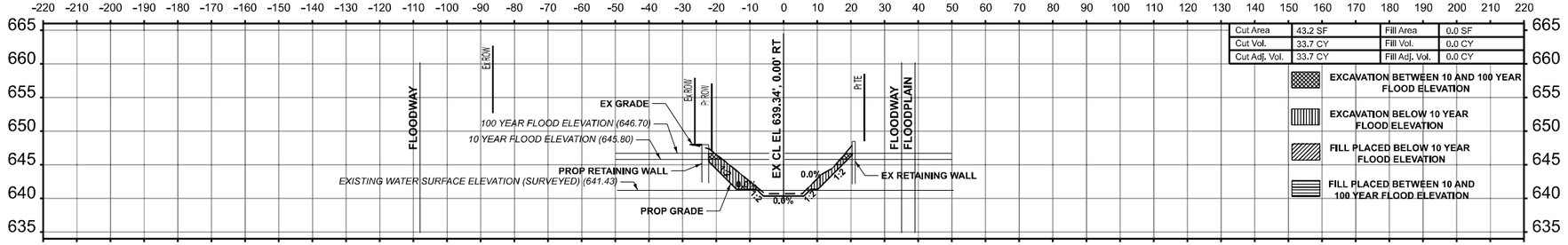
FAU 2843 22 CR



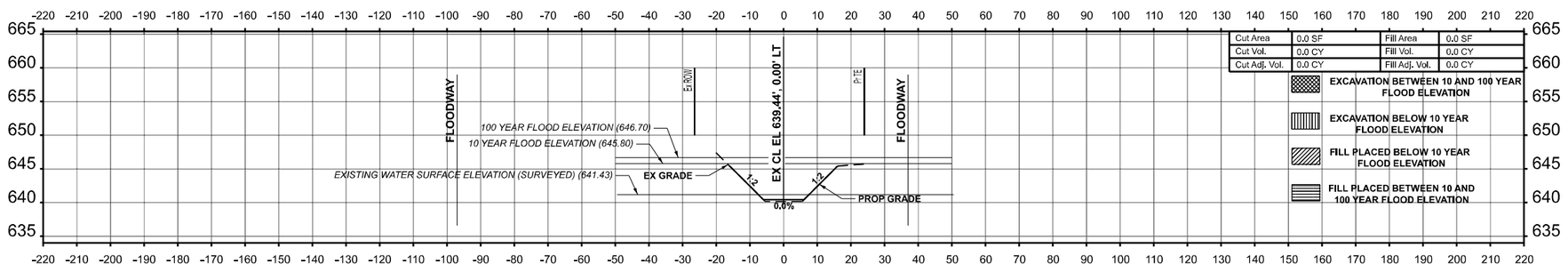

**STA 109+60.00**




**STA 109+50.00**




**STA 109+32.06**




**STA 108+90.00**

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

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

MODEL: Channel_1 - 49+25.00 [Sheet]
FILE NAME: J:\2022\6041-17\D1621T84\CADD Data\Sheets\CROSS SECTIONS\D1621T84-xs_Channel.dgn

ABNA
DESIGN FIRM REG. 184.002117

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

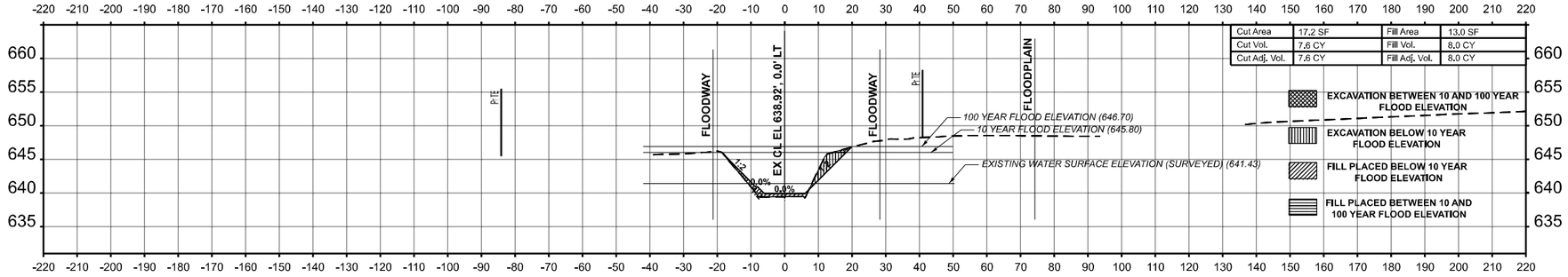
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER THORN CREEK TRIBUTARY B**
**CROSS SECTIONS**

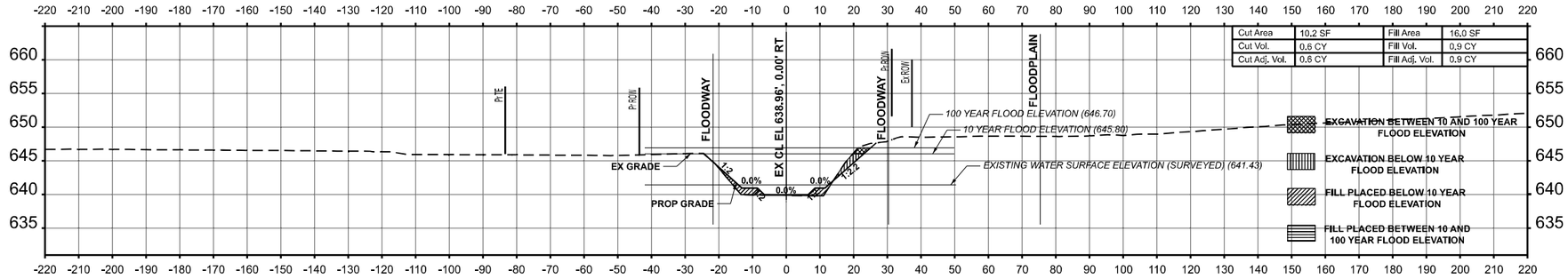
SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. 49+25.00 | TO STA. 51+30.00

| 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 | | |

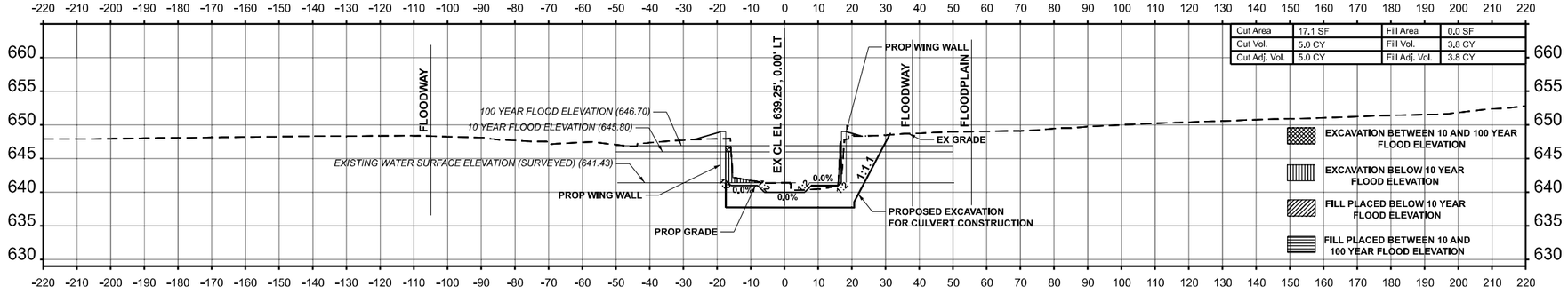
FAU 2843 22 CR




**STA 111+09.60**




**STA 110+94.60**




**STA 109+70.5**

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

MODEL: Channel_1 - 511+45.00 [Sheet]
FILE NAME: J:\2022\6041-17\D162T84\CADD Data\Sheets\CROSS SECTIONS\D162T84-xs_Channel.dgn

ABNA
DESIGN FIRM REG. 184.002117

| | | | |
|---|---|---|---|
| USER NAME = galsallani | DESIGNED - CT | REVISED - | |
| | DRAWN - ABD | REVISED - | |
| PLOT SCALE = $SCALE$ | CHECKED - TPP | REVISED - | |
| PLOT DATE = 10/1/2025 | 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. 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