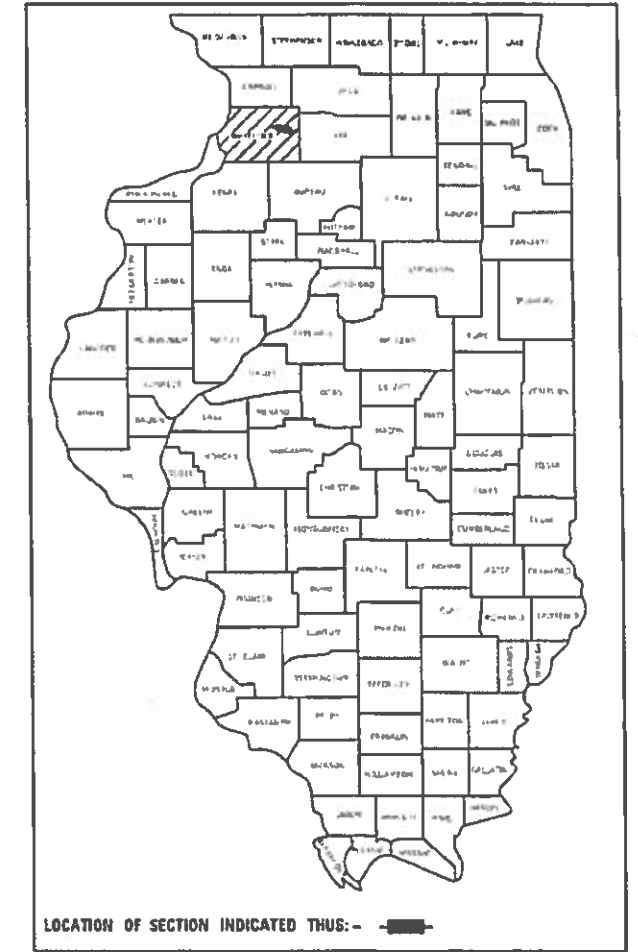


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

FAU ROUTE 5564 (US 30)
 SECTION (111BR-1)BDR
 PROJECT STP-ISUC(370)
 BRIDGE REHABILITATION
 WHITESIDE COUNTY

| FAU Rte | SECTION | COUNTY | TOTAL SHEETS | SHEET NO |
|---------|--------------|-----------|-------------------|----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 3 |
| RLEPHOS | | | CONTRACT NO 64L74 | |

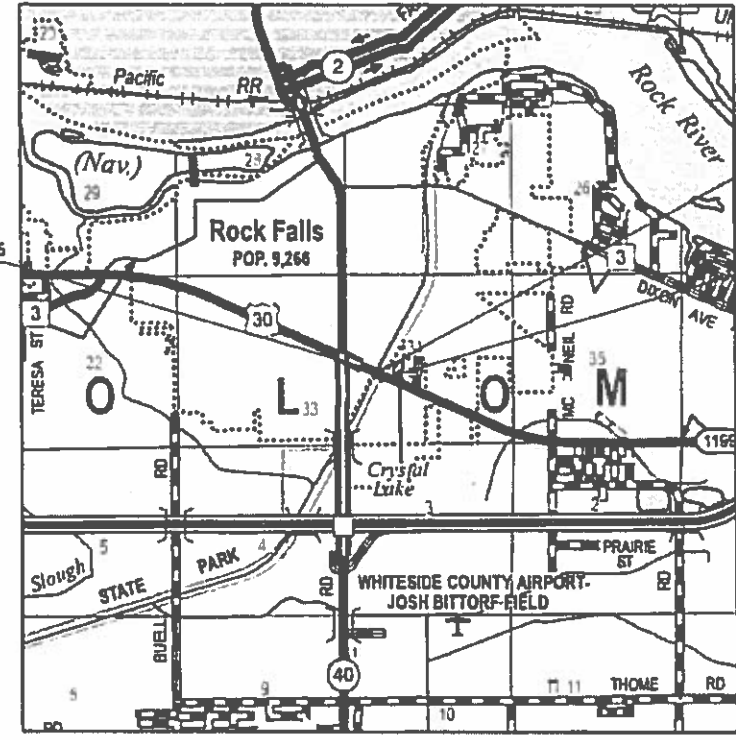
D-92-095-16



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

C-92-027-19

R7E

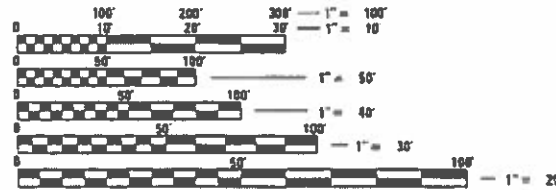


IMPROVEMENT BEGINS STA 1484+16.65
 PROJECT BEGINS STA 1484+69.15

STA 1487+09.20
 SN 098-0098 OVER
 I & M FEEDER CANAL
 111'-6" B-B EX ABUTMENTS

IMPROVEMENT ENDS STA 1490+03.55
 PROJECT ENDS STA 1489+51.05

TOWNSHIP: COLOMA SECTION: 34



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS

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

PROJECT MANAGER: BABAK JAMALI
 815-284-5971
 PROJECT ENGINEER: FAITH DUNCAN
 CONSULTANT SERVICES: ERIC HENKEL
 217-384-0505



EXPIRES 11-30-21
 [Signature]
 DATE 03-04-20



JOB NO 1140 14

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 11, 2020
 [Signature] REGION TWO ENGINEER

MAY 8 2020
 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

MAY 8 2020
 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS
 DISTRICT 2, DIXON

GROSS LENGTH = 482 FT. = 0.09 MILE
 NET LENGTH = 482 FT. = 0.09 MILE

CONTRACT NO. 64L74

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1. | COVER SHEET |
| 2. | INDEX OF SHEETS AND HIGHWAY STANDARDS |
| 3. | GENERAL NOTES AND COMMITMENTS |
| 4.-9. | SUMMARY OF QUANTITIES |
| 10. | TYPICAL SECTIONS |
| 11.-13. | SCHEDULE OF QUANTITIES |
| 14.-15. | HORIZONTAL AND VERTICAL CONTROL |
| 16. | US 30 PLAN AND PROFILE |
| 17. | MULTI-USE PATH PLAN AND PROFILE |
| 18. | EROSION CONTROL |
| 19.-20. | GUARDRAIL DETAILS |
| 21. | TEMPORARY HAUL ROAD |
| 22. | TRAFFIC CONTROL NOTES |
| 23. | US 30 DETOUR ROUTE |
| 24. | US 30 DETOUR SIGNS |
| 25. | US 30 CLOSURE |
| 26. | MULTI-USE PATH STAGING |
| 27. | GENERAL PLAN & ELEVATION |
| 28. | STAGE CONSTRUCTION DETAILS |
| 29. | BRIDGE REMOVAL SECTIONS |
| 30. | SUPERSTRUCTURE |
| 31.-32. | BRIDGE APPROACH SLAB DETAILS |
| 33. | MULTI-USE PATH & PIER PROTECTION |
| 34. | ABUTMENT REPAIRS |
| 35. | BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS |
| 36.-37. | SOIL BORING LOGS |
| 38.-44. | EXISTING BRIDGE PLANS |
| 45. | CONCRETE REVETMENT MAT AT END SECTIONS HOT-MIX ASPHALT SHOULDER (22.4) DELINEATOR AND POST ORIENTATION (37.4) TYPICAL BENCHING ON EXISTING EMBANKMENT (50.4) |
| 46. | PERMANENT SURVEY MARKERS, TYPE II (66.2) |
| 47. | TRAFFIC CONTROL FOR ROAD CLOSURE (40.1) |
| 48-50. | TYPICAL PAVEMENT MARKINGS (41.1) |
| 51. | DETAILS OF PLANTING AND BRACING TREES (92.1) |
| 52.-56. | US 30 CROSS SECTIONS |
| 57.-61. | MULTI-USE PATH CROSS SECTIONS |

LIST OF HIGHWAY STANDARDS

| STANDARD NO. | DESCRIPTION |
|--------------|---|
| 000001-07 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-09 | PAVEMENT JOINTS |
| 420401-13 | PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB |
| 421001-03 | BAR REINFORCEMENT FOR CRC PAVEMENT |
| 515001-04 | NAME PLATE FOR BRIDGES |
| 542401-03 | METAL FLARED END SECTION FOR PIPE CULVERTS |
| 601101-02 | CONCRETE HEADWALL FOR PIPE UNDERDRAINS |
| 610001-08 | SHOULDER INLET WITH CURB |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL |
| 630201-07 | PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631031-16 | TRAFFIC BARRIER TERMINAL, TYPE 6 |
| 635001-02 | DELINEATORS |
| 701001-02 | OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701011-04 | OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATION OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS) |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |

PRINT DRIVER = WELTUNG
 PLOT DATE = 3/5/2020
 PLOT SCALE = 0.1667 / in.
 USER NAME = sma



| | | |
|---------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667 / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS AND HIGHWAY STANDARDS

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 2 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

GENERAL NOTES

1. THE REMOVAL OF BITUMINOUS SURFACING LESS THAN 6 INCH THICKNESS NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE OR A THICKNESS OF 6 INCHES OR MORE ON A FLEXIBLE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.
2. THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. CLASS 2A SHALL BE USED.
5. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE INCLUDED IN THE COST OF THE SEEDING OR SODDING.
6. ALL "AGGREGATE SUBGRADE IMPROVEMENT" (SECTION 303), SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLES 311.04, 311.05, 311.05(c), 311.06, AND 311.07. ALL AGGREGATE SUBGRADE THICKNESSES EQUAL TO OR LESS THAN 12 INCHES SHALL BE CONSTRUCTED OF AGGREGATE OF CA02 GRADATION. ALL AGGREGATE SUBGRADE THICKNESSES GREATER THAN 12 INCHES SHALL BE CONSTRUCTED OF CS02.
7. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| LOCATION(S): | HMA SURFACE | HMA SHLD, TOP | HMA SHLD, BOT | HMA BINDER |
|--|--------------------------|--------------------------|---------------|---------------------------|
| MIXTURE USE(S): | HMA SURF CSE, MIX D, N70 | HMA SURF CSE, MIX C, N50 | HMA SHLD | HMA BIND CSE, IL-9.5, N70 |
| PG: | PG 64-22 | PG 64-22 | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ N70 | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N70 |
| MIXTURE COMPOSITION: (MIXTURE GRADATION) | IL 9.5 | IL 9.5 | IL 19.0 | IL 9.5 |
| FRICITION AGGREGATE: | D | C | NA | NA |
| MIXTURE WEIGHT: | 112 LBS/SQ YD | 112 LBS/SQ YD | 112 LBS/SQ YD | 112 LBS/SQ YD |
| QUALITY MANAGEMENT PROGRAM: | QC/OA | QC/OA | QC/OA | QC/OA |

8. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
9. THIS STRUCTURE WILL RETAIN THE SAME NUMBER SN 098-0098.
10. BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
11. CONNECTING BANDS FOR CORRUGATED METAL PIPES SHALL BE METAL AND SHALL BE COATED WITH THE SAME MATERIAL AS THE PIPE SECTIONS. THE CONNECTING BANDS SHALL BE A MINIMUM OF 18" WIDE.
12. EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.
13. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (TANGENT).
14. THE ADDITIONAL EMBANKMENT REQUIRED TO BUILD UP THE SHOULDER FOR THE TRAFFIC BARRIER TERMINAL, AS SHOWN ON THE PLANS, SHALL BE HAULED FROM EXCESS EARTH EXCAVATION FROM WITHIN THE PROJECT AND SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE TERMINAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. AN ESTIMATED 5 CUBIC YARDS OF EMBANKMENT ARE REQUIRED AT EACH TERMINAL LOCATION.
15. ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE 1 SPECIALS.
16. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUBCONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
18. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
 4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
19. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 1 EACH.

GENERAL NOTES CONT'D

20. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2. OPTION 2 WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.
21. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.
22. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

| | |
|-----------------------------|----------------|
| NICOR GAS CO. | (630)-388-3046 |
| CITY OF ROCK FALLS ELECTRIC | (815)-622-1145 |
| CITY OF ROCK FALLS WATER | (815)-622-1120 |
| COMCAST CABLE | (224)-229-5432 |
| CITY OF ROCK FALLS SEWER | (815)-622-1120 |
| AT&T | (630)-573-5465 |
| BLUEBIRD NETWORK | (847)-650-1348 |
| LEVEL 3 (CENTURY LINK) | (612)-605-5508 |

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT (815) 284-5469 AT LEAST 48 HOURS PRIOR TO WORK.
24. CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS, IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.
25. THE MULTI-USE PATH SHALL REMAIN OPEN AT ALL TIMES. WHILE THE NEW PATH IS CONSTRUCTED, THE CONTRACTOR MAY REQUIRE RIDERS TO WALK THEIR BIKES THROUGH THE SITE. THE CONTRACTOR SHALL PROVIDE SIGNS AS DESCRIBED IN THE PLANS. THE COST IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
26. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT. UTILITY STRUCTURES MAY INCLUDE, BUT ARE NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.
27. LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT ON US 30 IN ACCORDANCE WITH ARTICLE 406 OF THE STANDARD SPECIFICATIONS. LONGITUDINAL JOINT SEALANT SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE.
28. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE USED ALONG LONGITUDINAL JOINTS AT THE CENTERLINE AND AT WIDENING EAST OF THE BRIDGE.
29. ALL JOINTS AND FITTINGS FOR PIPE DRAINS ARE INCLUDED IN THE COST OF PIPE DRAINS.
30. TREE PLANTING LAYOUT SHALL BE PERFORMED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST. MULCH SHALL BE PLACED 4" THICK AND TO THE DIAMETER AROUND THE TREE AS SHOWN ON DISTRICT STANDARD 92.1. THE MULCH SHALL BE HARDWOOD WOOD CHIPS PLACED ON WEED BARRIER FABRIC. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE.
31. EXCESS TREES THAT CANNOT BE PLANTED ALONG THE US 30 PROJECT LIMITS SHALL BE PLANTED AT ALTERNATE LOCATIONS IN WHITESIDE OR LEE COUNTY AS DETERMINED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST.

| SPECIES | AMOUNT |
|--|--------|
| TREE, ACRE X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED | 7 |
| TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED | 7 |
| TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED | 7 |

32. THE PROJECT WILL FOLLOW THE GOOD NEIGHBOR POLICY WITHIN THE LIMITS OF THE FOLLOWING ROUTE:

INDUSTRIAL PARK ROAD FROM EAST 11TH TO US ROUTE 30, EAST 11TH STREET FROM INDUSTRIAL PARK ROAD TO THE SPLIT AT EAST 10TH STREET AND EAST 11TH STREET JUST EAST OF THE BRIDGE AND CONTINUING ON EAST 10TH STREET TO IL 40.

THE FOLLOWING PAY ITEMS ARE FOR REPAIR ALONG THE GOOD NEIGHBOR POLICY ROUTE:

| PAY ITEM | QUANTITY |
|--------------------------------------|----------|
| HMA BINDER COURSE (HAND METHOD), N50 | 128 TONS |
| CLASS D PATCHES, TYPE II, 8 INCH | 58 SQ YD |
| CLASS D PATCHES, TYPE III, 8 INCH | 58 SQ YD |

COMMITMENTS

1. TWENTY-TWO TREES THREE INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30. THE US FISH AND WILDLIFE SERVICE CONCURRED WITH OUR DETERMINATION AND DATE RESTRICTION ON TREE CLEARING ON 7/8/2017.
2. THE MULTI-USE PATH UNDERNEATH THE BRIDGE SHALL REMAIN OPEN AT ALL TIMES. WHILE THE NEW PATH IS CONSTRUCTED, THE CONTRACTOR MAY REQUIRE RIDERS TO WALK THEIR BIKES THROUGH THE SITE.
3. PRIOR TO THE START OF THE ROAD CLOSURE, A VIDEO WILL BE TAKEN BY A DEPARTMENT REPRESENTATIVE, AND A FIELD INSPECTION WILL BE MADE WITH A CITY REPRESENTATIVE TO REVIEW THE PRESENT CONDITION OF INDUSTRIAL PARK ROAD, EAST 11TH STREET AND E 10TH STREET, WHICH ARE UNDER THE CITY'S JURISDICTION. THEN UPON COMPLETION OF THE PROPOSED IMPROVEMENT, AN INSPECTION WILL AGAIN BE HELD TO DETERMINE ANY NEEDED REPAIRS OR RESTORATION. ANY AGREED UPON REPAIRS OR RESTORATION WILL BE AT THE EXPENSE OF THE DEPARTMENT. NORMAL MAINTENANCE OF THE ROADWAY SURFACE, SNOW REMOVAL, MOWING OF VEGETATION AND OTHER ROADSIDE MAINTENANCE ON INDUSTRIAL PARK ROAD, EAST 11TH STREET AND EAST 10TH STREET WILL CONTINUE TO BE THE RESPONSIBILITY OF ROCK FALLS.

PRINT DRIVER = \$PLTWRITE
 PLOT FILENAME = \$PLOTFILE
 PLOT SCALE = \$PLOTSCALE
 PLOT DATE = \$PLOTDATE



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND COMMITMENTS

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|------------------|--------------------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 3 |
| | | | | CONTRACT NO. 64L74 |
| | | ILLINOIS | FED. AID PROJECT | |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|-------------|--|-------|----------------|--|--|--|
| | | | | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE |
| | | | | ROADWAY | BRIDGE SN 098-0098 | MULTI-USE PATH |
| | | | | 0004 URBAN | 0013 URBAN | 0021 URBAN |
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 149 | 149 | | |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 100 | 100 | | |
| 20101000 | TEMPORARY FENCE | FOOT | 500 | | | 500 |
| 20200100 | EARTH EXCAVATION | CU YD | 475 | 475 | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 3390 | 3390 | | |
| * 25000210 | SEEDING, CLASS 2A | ACRE | 0.75 | 0.75 | | |
| ** 25000750 | MOWING | ACRE | 0.75 | 0.75 | | |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 3390 | 3390 | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 150 | 150 | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 1349 | 1349 | | |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 142 | | 142 | |
| 28200200 | FILTER FABRIC | SQ YD | 615 | 473 | 142 | |
| 28500400 | ARTICULATED BLOCK REVETMENT MAT | SQ YD | 53 | 53 | | |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 195 | 195 | | |

SPECIALTY ITEM ** NP 100% STATE

PRINT DRIVER = PLOTDRIVER
 SCALE NAME = PLOTSCALE
 FILE NAME = C:\ESCA\1140\14\114014\SQ01.dwg



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/9/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|---------------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 4 |
| | | | CONTRACT NO. 64L74 | |
| | | | ILLINOIS FED. AID PROJECT | |

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION CODE | | |
|-----------------------|---|-------|----------------|--|--|--|
| | | | | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | BRIDGE | MULTI-USE PATH |
| | | | | 0004 | SN 098-0098 0013 | 0021 |
| | | | | URBAN | URBAN | URBAN |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 2470 | 2470 | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 1200 | 1200 | | |
| 40600900 | HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50 | TON | 128 | 128 | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 150 | 150 | | |
| 40602985 | HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 | TON | 99 | 99 | | |
| 40603310 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | TON | 123 | 123 | | |
| 40603340 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | TON | 120 | 120 | | |
| 42000060 | WELDED WIRE REINFORCEMENT | SQ YD | 270 | 270 | | |
| 42000080 | PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB | SQ YD | 270 | 270 | | |
| 42001300 | PROTECTIVE COAT | SQ YD | 273 | 273 | | |
| 42400300 | PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH | SQ FT | 3860 | | | 3860 |
| 44000161 | HOT-MIX ASPHALT SURFACE REMOVAL, 3" | SQ YD | 630 | 630 | | |
| 44201741 | CLASS D PATCHES, TYPE II, 8 INCH | SQ YD | 58 | 58 | | |
| 44201745 | CLASS D PATCHES, TYPE III, 8 INCH | SQ YD | 58 | 58 | | |

PRINT DRIVER = PLTWIN32
 PLOTTER = HP DesignJet 5000 Series
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/5/2020



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 5 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 64L74 | |

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION CODE | | |
|-----------------------|--|-------|----------------|--|--|--|
| | | | | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | BRIDGE | MULTI-USE PATH |
| | | | | 0004 | SN 098-0098 0013 | 0021 |
| | | | | URBAN | URBAN | URBAN |
| 44300200 | STRIP REFLECTIVE CRACK CONTROL TREATMENT | FOOT | 567 | 567 | | |
| 48101200 | AGGREGATE SHOULDERS, TYPE B | TON | 5 | 5 | | |
| 48203021 | HOT-MIX ASPHALT SHOULDERS, 6" | SQ YD | 1097 | 1097 | | |
| 50102400 | CONCRETE REMOVAL | CU YD | 30.7 | | 30.7 | |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 163 | 163 | | |
| 50157300 | PROTECTIVE SHIELD | SQ YD | 47 | | 47 | |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 140 | | 140 | |
| 50300225 | CONCRETE STRUCTURES | CU YD | 68.8 | | 68.8 | |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 33.4 | | 33.4 | |
| 50300300 | PROTECTIVE COAT | SQ YD | 1140 | | 1140 | |
| 50301350 | CONCRETE SUPERSTRUCTURE (APPROACH SLAB) | CU YD | 187.2 | | 187.2 | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 86220 | | 86220 | |
| 50800515 | BAR SPLICERS | EACH | 414 | | 414 | |
| 51500100 | NAME PLATES | EACH | 1 | | 1 | |

PRINT DRIVER = #PLTDRIVER
 SCALE NAME = #PLTSCALE
 FILE NAME = #PLTFILENAME



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/6/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|-----------|---------------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 6 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION CODE | | |
|-----------------------|--|-------|-------------------|--|--|--|
| | | | | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | BRIDGE | MULTI-USE PATH |
| | | | | 0004 | SN 098-0098 0013 | 0021 |
| | | | | URBAN | URBAN | URBAN |
| 54262712 | METAL FLARED END SECTIONS 12" | EACH | 4 | 4 | | |
| 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 64 | | 64 | |
| 60100945 | PIPE DRAINS 12" | FOOT | 160 | 160 | | |
| 60500060 | REMOVING INLETS | EACH | 4 | 4 | | |
| 61000050 | CONCRETE THRUST BLOCKS | EACH | 4 | 4 | | |
| 61000225 | TYPE F INLET BOX, STANDARD 610001 | EACH | 4 | 4 | | |
| * 63100085 | TRAFFIC BARRIER TERMINAL, TYPE 6 | EACH | 4 | 4 | | |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 4 | 4 | | |
| 63500105 | DELINEATORS | EACH | 4 | 4 | | |
| * 66700305 | PERMANENT SURVEY MARKERS, TYPE II | EACH | 1 | 1 | | |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 905 | 905 | | |
| * 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 1 | 1 | | |
| * 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | L SUM | 1 | 1 | | |
| * 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | L SUM | 1 | 1 | | |

* SPECIALTY ITEM

PRINT DRIVER = #PLTW08
SCALE NAME = #PLTW04
FILE NAME = 20200414_100000.dwg



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/6/2020 | DATE - 02/20 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|---------------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 7 |
| | | | CONTRACT NO. 64L74 | |
| | | | ILLINOIS FED. AID PROJECT | |

REV. 4/20/20

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION CODE | | |
|-----------------------|--|--------|----------------|--|--|--|
| | | | | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | BRIDGE SN 098-0098 | MULTI-USE PATH |
| | | | | 0004 | 0013 | 0021 |
| | | | | URBAN | URBAN | URBAN |
| * 66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 6 | 6 | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 4 | 4 | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 28 | 28 | | |
| * 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 4 | 4 | | |
| * 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 6020 | 6020 | | |
| * 78200005 | GUARDRAIL REFLECTORS, TYPE A | EACH | 4 | 4 | | |
| * 78200010 | BARRIER WALL REFLECTORS, TYPE B | EACH | 8 | 8 | | |
| * A2000114 | TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED | EACH | 7 | 7 | | |
| * A2002914 | TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED | EACH | 7 | 7 | | |
| * B2004114 | TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED | EACH | 7 | 7 | | |
| X5030250 | BRIDGE DECK GROOVING (LONGITUDINAL) | SQ YD | 455 | | 455 | |
| ** X5420636 | PIPE CULVERTS TO BE CLEANED 36" | FOOT | 157 | 157 | | |
| 58600101 | GRANULAR BACKFILL FOR STRUCTURES | CU YD | 110 | | 110 | |

** 100% STATE

* SPECIALTY ITEM

PRINT DRIVER = #PLTDRIVER
MODEL NAME = #PLTDRIVER
FILE NAME = #PLTDRIVER



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/6/2020 | DATE - 02/20 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

| | | | | |
|---------------------------|--------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 8 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION CODE | | |
|-----------------------|--|-------|----------------|--|--|--|
| | | | | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE | STP-URB 5-200K 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | BRIDGE | MULTI-USE PATH |
| | | | | 0004 | SN 098-0098 0013 | 0021 |
| | | | | URBAN | URBAN | URBAN |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 1 | | |
| Z0004552 | APPROACH SLAB REMOVAL | SQ YD | 406 | 406 | | |
| Z0006014 | BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES | SQ YD | 688 | | 688 | |
| Z0007430 | TEMPORARY SIDEWALK | SQ FT | 595 | | | 595 |
| Z0012130 | BRIDGE DECK SCARIFICATION 3/4" | SQ YD | 688 | | 688 | |
| Z0012754 | STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES) | SQ FT | 30 | | 30 | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | | |
| Z0029090 | DIAMOND GRINDING (BRIDGE SECTION) | SQ YD | 1221 | | 1221 | |
| Z0046304 | PIPE UNDERDRAINS FOR STRUCTURES 4" | FOOT | 162 | | 162 | |
| Z0065704 | BITUMINOUS COATED AGGREGATE SLOPEWALL 6" | SQ YD | 125 | | 125 | |

PRINT DRIVER = PLTWINS
 SCALE NAME = PLTWINS
 FILE NAME = C:\ESCA\1140\14\114014.dwg



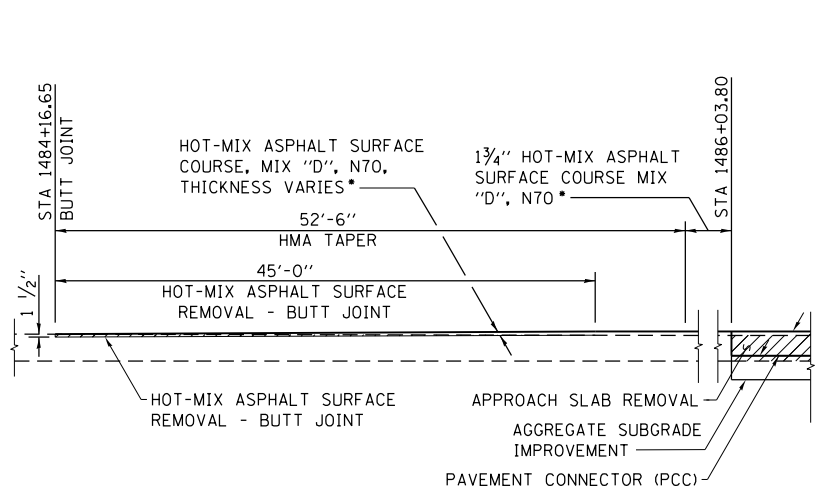
| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/6/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

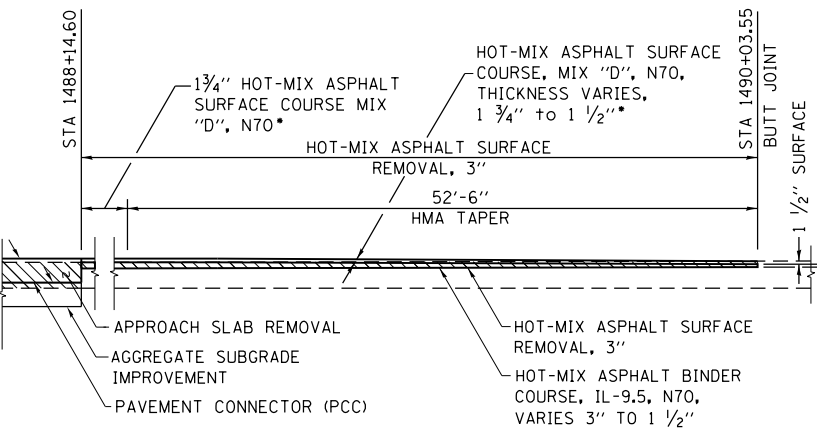
SUMMARY OF QUANTITIES

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

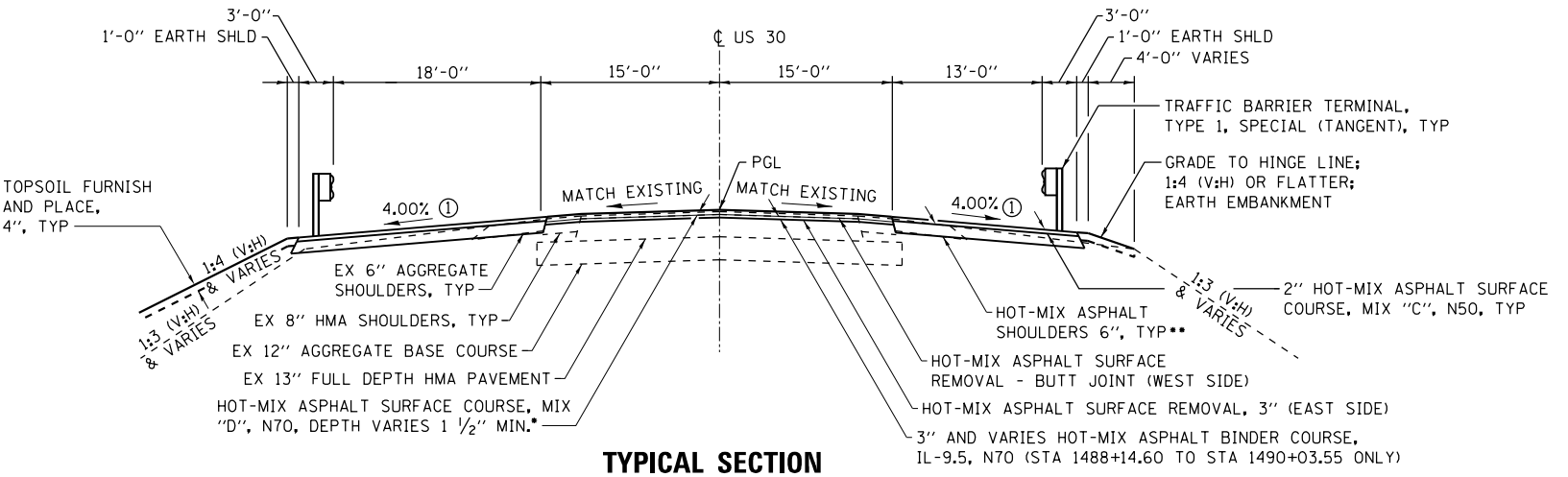
| | | | | |
|-------------|--------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 9 |
| | | | CONTRACT NO. 64L74 | |
| | | | ILLINOIS FED. AID PROJECT | |



LONGITUDINAL SECTION THRU WEST BUTT JOINT

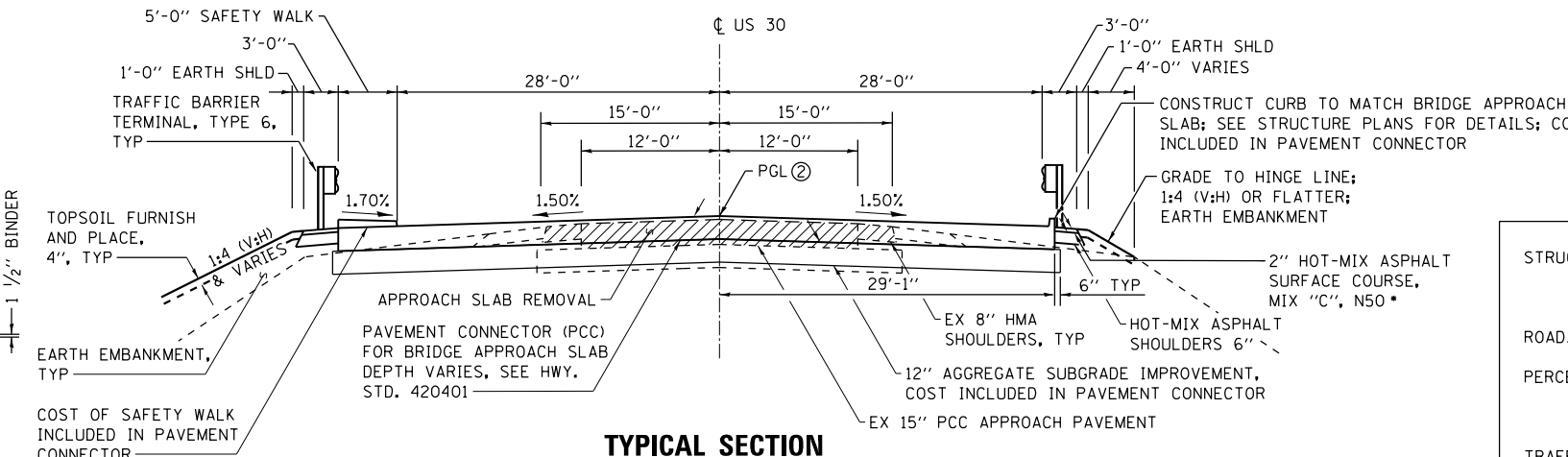


LONGITUDINAL SECTION THRU EAST BUTT JOINT



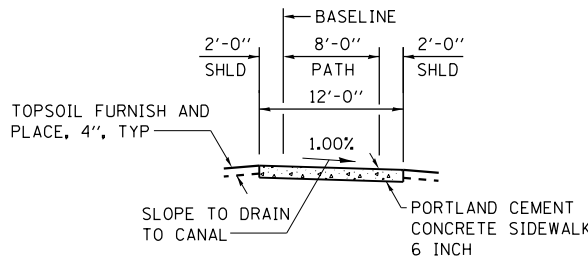
TYPICAL SECTION

STATION 1484 + 16.65 TO STATION 1486 + 03.80
STATION 1488 + 14.60 TO STATION 1490 + 03.55
(HMA TAPER)

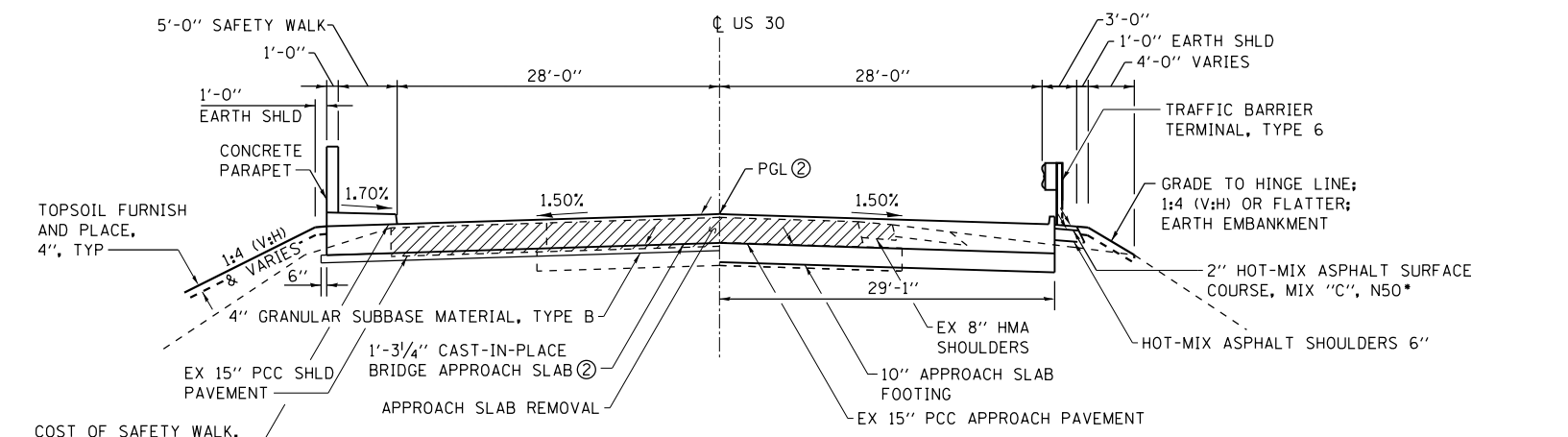


TYPICAL SECTION

STATION 1486 + 03.80 TO STATION 1486 + 23.95
STATION 1487 + 94.45 TO STATION 1488 + 14.60
(APPROACH CONNECTOR)



TYPICAL SECTION THROUGH PROPOSED MULTI-USE PATH



NEAR ABUTMENT AT APPROACH FOOTING

TYPICAL SECTION

STATION 1486 + 23.95 TO STATION 1486 + 53.95
STATION 1487 + 64.45 TO STATION 1487 + 94.45
(APPROACH SLAB)

- ① TRANSITION SLOPE TO MATCH APPROACH CONNECTOR SLOPE
- ② PRIOR TO GRINDING

| | |
|--|---------------------|
| STRUCTURAL DESIGN TRAFFIC: | YEAR 2029 |
| PV = 6720 | SU = 430 MU = 400 |
| ROAD/STREET CLASSIFICATION: | CLASS II |
| PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: | |
| P = 50.3% | S = 55.0% M = 52.1% |
| TRAFFIC FACTOR: | |
| ACTUAL TF = 2.86 | MINIMUM TF = 4.59 |

*HMA UNIT WEIGHT = 112 LB/SQ YD/IN
 **HMA SHOULDER 2'-0" MINIMUM
 STA 1484+16.65 TO STA 1484+34.62
 STA 1489+91.22 TO STA 1490+03.55

PRINT DRIVER: WPLUTV08
 SCALE: 1/4" = 1'-0"
 FILE: \\ESCA\Projects\1140\14\114014_CADD\Highway\CADD_Sheets\114014_74-shs-tyrpkc001.dgn



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

| | | | | |
|---------------------------|--------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 10 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SCHEDULE OF QUANTITIES

| EARTHWORK SCHEDULE | | | | | | |
|----------------------------|---------------------|---------------------|---|-----------------------------------|--|------|
| LOCATION | 20200100 | | EXCAVATION ADJUSTED FOR SHRINKAGE | EMBANKMENT (NOT A PAY ITEM) | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) | |
| | EARTH EXCAVATION | OTHER EXCAVATION | | | | |
| | CU YD | CU YD | CU YD | CU YD | CU YD | |
| STA 1484+17 TO 1486+53 | LT | 105 | 79 | 275 | -196 | |
| STA 1487+65 TO 1490+04 | LT | 140 | 105 | 16 | +89 | |
| STA 1484+17 TO 1486+53 | RT | 90 | 68 | 11 | +57 | |
| STA 1487+65 TO 1490+04 | RT | 140 | 105 | 8 | +97 | |
| MULTI-USE PATH & HAUL ROAD | - | 260 | 195 | 31 | +164 | |
| RIPRAP EXCAVATION | - | 93 | 70 | - | +70 | |
| STRUCTURE EXCAVATION | - | 140 | 105 | - | +105 | |
| TOTALS | | 475 | 493 | 727 | 341 | +386 |

NOTES:

1. EXCAVATION USED AS EMBANKMENT = EXCAVATION * 0.75

| HOT-MIX ASPHALT SCHEDULE | | | | | |
|------------------------------|---|-----|---|---|----------------------------------|
| LOCATION | 40602985 | | 40603310 | 40603340 | 48203021 |
| | HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 | | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | HOT-MIX ASPHALT SHOULDERS, 6" |
| | TON | TON | TON | SQ YD | |
| STA 1488+14.60 TO 1490+03.55 | - | 99 | | | |
| STA 1484+17 TO 1486+39 | LT | | 33 | | 297 |
| STA 1484+17 TO 1486+39 | RT | | 27 | | 238 |
| STA 1487+79 TO 1490+04 | LT | | 34 | | 306 |
| STA 1487+79 TO 1490+04 | RT | | 29 | | 256 |
| STA 1484+17 TO 1484+62 | - | | | 13 | |
| STA 1484+62 TO 1486+04 | - | | | 45 | |
| STA 1488+15 TO 1488+59 | - | | | 45 | |
| STA 1489+59 TO 1490+04 | - | | | 17 | |
| TOTALS | | 99 | 123 | 120 | 1097 |

NOTES:

1. USED RATE OF 2.016 TON/CU YD

| | | | | |
|----------|---------------------------------------|-------------|----------------------------------|--|
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | | | |
| | <u>LOCATION</u> | <u>UNIT</u> | <u>COMMENTS</u> | |
| | STA 1486+05 87' RT | 7 | | |
| | STA 1486+06 112' RT | 11 | | |
| | STA 1486+09 85' RT | 10 | | |
| | STA 1486+09 95' RT | 7 | | |
| | STA 1486+12 93' RT | 14 | | |
| | STA 1486+12 96' RT | 13 | | |
| | STA 1486+13 86' RT | 7 | | |
| | STA 1486+33 105' RT | 12 | | |
| | STA 1486+34 113' RT | 6 | | |
| | STA 1486+34 95' RT | 14 | | |
| | STA 1486+38 135' RT | 9 | | |
| | STA 1486+42 115' RT | 7 | | |
| | STA 1486+46 116' RT | 11 | | |
| | STA 1486+47 109' RT | 8 | | |
| | STA 1486+51 108' RT | 13 | | |
| | TOTAL | 149 | | |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | | | |
| | <u>LOCATION</u> | <u>UNIT</u> | <u>COMMENTS</u> | |
| | STA 1486+06 89' RT | 16 | | |
| | STA 1486+18 77' LT | 16 | | |
| | STA 1486+21 77' LT | 15 | | |
| | STA 1486+43 125' RT | 16 | | |
| | STA 1486+51 106' RT | 21 | | |
| | STA 1488+07 63' RT | 16 | | |
| | TOTAL | 100 | | |
| 20101000 | TEMPORARY FENCE | | | |
| | <u>LOCATION</u> | <u>FOOT</u> | <u>COMMENTS</u> | |
| | ALONG MULTI-USE PATH | 500 | AT THE DIRECTION OF THE ENGINEER | |
| | TOTAL | 500 | | |

| | | | | |
|----------|-----------------------------------|--------------|------------------------------------|--|
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | | | |
| | <u>LOCATION</u> | <u>UNIT</u> | <u>COMMENTS</u> | |
| | STA 1484+45 TO 1486+89 LT | 1040 | | |
| | STA 1484+58 TO 1486+68 RT | 1150 | | |
| | STA 1487+64 TO 1489+67 LT | 650 | | |
| | STA 1487+64 TO 1489+62 RT | 470 | | |
| | NORTH OF MULTI-USE PATH | 30 | | |
| | SOUTH OF MULTI-USE PATH | 50 | | |
| | TOTAL | 3390 | | |
| 25000210 | SEEDING, CLASS 2A | | | |
| | <u>LOCATION</u> | <u>ACRE</u> | <u>COMMENTS</u> | |
| | STA 1484+45 TO 1486+89 LT | 0.25 | | |
| | STA 1484+58 TO 1486+68 RT | 0.25 | | |
| | STA 1487+64 TO 1489+67 LT | 0.13 | | |
| | STA 1487+64 TO 1489+62 RT | 0.12 | | |
| | TOTAL | 0.75 | | |
| 25000750 | MOWING | | | |
| | <u>LOCATION</u> | <u>ACRE</u> | <u>COMMENTS</u> | |
| | STA 1484+45 TO 1486+89 LT | 0.25 | | |
| | STA 1484+58 TO 1486+68 RT | 0.25 | | |
| | STA 1487+64 TO 1489+67 LT | 0.13 | | |
| | STA 1487+64 TO 1489+62 RT | 0.12 | | |
| | TOTAL | 0.75 | | |
| 25100630 | EROSION CONTROL BLANKET | | | |
| | <u>LOCATION</u> | <u>SQ YD</u> | <u>COMMENTS</u> | |
| | STA 1484+45 TO 1486+89 LT | 1040 | SEE EROSION CONTROL SHEET | |
| | STA 1484+58 TO 1486+68 RT | 1150 | | |
| | STA 1487+64 TO 1489+67 LT | 650 | | |
| | STA 1487+64 TO 1489+62 RT | 470 | | |
| | NORTH OF MULTI-USE PATH | 30 | | |
| | SOUTH OF MULTI-USE PATH | 50 | | |
| | TOTAL | 3390 | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | | | |
| | <u>LOCATION</u> | <u>POUND</u> | <u>COMMENTS</u> | |
| | STA 1484+45 TO 1486+89 LT | 50 | (100#)/(ACRE) FOR TWO APPLICATIONS | |
| | STA 1484+58 TO 1486+68 RT | 50 | OVER CLASS 2A SEEDING AREA | |
| | STA 1487+64 TO 1489+67 LT | 26 | | |
| | STA 1487+64 TO 1489+62 RT | 24 | | |
| | TOTAL | 150 | | |
| 28000400 | PERIMETER EROSION BARRIER | | | |
| | <u>LOCATION</u> | <u>FOOT</u> | <u>COMMENTS</u> | |
| | STA 1484+45 TO 1486+89 LT | 305 | | |
| | STA 1484+58 TO 1486+68 RT | 317 | | |
| | ALONG CANAL | 227 | | |
| | STA 1487+64 TO 1489+67 LT | 246 | | |
| | STA 1487+64 TO 1489+62 RT | 254 | | |
| | TOTAL | 1349 | | |
| 28100107 | STONE RIPRAP, CLASS A4 | | | |
| | <u>LOCATION</u> | <u>SQ YD</u> | <u>COMMENTS</u> | |
| | STA 1486+84 | 142 | | |
| | TOTAL | 142 | | |
| 28200200 | FILTER FABRIC | | | |
| | <u>LOCATION</u> | <u>SQ YD</u> | <u>COMMENTS</u> | |
| | TEMPORARY HAUL ROAD | 420 | TEMPORARY HAUL ROAD | |
| | STA 1486+84 | 142 | STONE RIPRAP UNDER BRIDGE | |
| | STA 1486+13.96 LT | 13.25 | ARTICULATED BLOCK REVETMENT MAT | |
| | STA 1486+13.96 RT | 13.25 | ARTICULATED BLOCK REVETMENT MAT | |
| | STA 1488+04.61 LT | 13.25 | ARTICULATED BLOCK REVETMENT MAT | |
| | STA 1488+04.61 RT | 13.25 | ARTICULATED BLOCK REVETMENT MAT | |
| | TOTAL | 615 | | |

PRINT DRIVER = PLOTTERS
 SCALE NAME = PLOT
 FILE NAME = 240224.dwg



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/9/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|------------------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 11 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

SCHEDULE OF QUANTITIES

| | | | | | | | |
|----------|---|--|---|----------|---|---|---|
| 28500400 | ARTICULATED BLOCK REVETMENT MAT <u>LOCATION</u> STA 1486+13.96 LT STA 1486+13.96 RT STA 1488+04.61 LT STA 1488+04.61 RT TOTAL | <u>SQ YD</u> 13.25 13.25 13.25 13.25 53 | <u>COMMENTS</u> | 44300200 | STRIP REFLECTIVE CRACK CONTROL TREATMENT <u>LOCATION</u> STA 1488+14.60 TO STA 1490+03.55 TOTAL | <u>FOOT</u> 567 567 | <u>COMMENTS</u> |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B <u>LOCATION</u> TEMPORARY HAUL ROAD TOTAL | <u>TON</u> 195 | <u>COMMENTS</u> | 48101200 | AGGREGATE SHOULDERS, TYPE B <u>LOCATION</u> STA 1484+17 TO 1484+54 LT STA 1484+17 TO 1484+85 RT STA 1489+51 TO 1490+04 LT STA 1489+52 TO 1490+04 RT TOTAL | <u>TON</u> 1.0 1.6 1.2 1.2 5 | <u>COMMENTS</u> |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT) <u>LOCATION</u> STA 1484+17 TO 1486+39 STA 1487+79 TO 1490+04 TOTAL | <u>POUND</u> 1235 1235 2470 | <u>COMMENTS</u> BOTTOM OF HMA SHOULDERS | 50105220 | PIPE CULVERT REMOVAL <u>LOCATION</u> 1486+33 LT 1486+33 RT 1487+74 LT 1487+74 RT TOTAL | <u>FOOT</u> 45 50 36 32 163 | <u>COMMENTS</u> 12" CMP 12" CMP 12" CMP 12" CMP |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) <u>LOCATION</u> STA 1484+17 TO 1486+39 STA 1487+79 TO 1490+04 TOTAL | <u>POUND</u> 530 670 1200 | <u>COMMENTS</u> INTERMEDIATE HMA LIFTS AND EXISTING PAVEMENT | 54262712 | METAL FLARED END SECTIONS 12" <u>LOCATION</u> STA 1486+14 66.0' LT STA 1486+14 67.0' RT STA 1488+05 69.5' LT STA 1488+05 58.2' RT TOTAL | <u>EACH</u> 1 1 1 1 4 | <u>COMMENTS</u> |
| 40600900 | HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50 <u>LOCATION</u> TO BE DETERMINED BY THE ENGINEER TOTAL | <u>TON</u> 128 | <u>COMMENTS</u> GOOD NEIGHBOR POLICY | 60100945 | PIPE DRAINS 12" <u>LOCATION</u> STA 1486+14 LT STA 1486+14 RT STA 1488+05 LT STA 1488+05 RT TOTAL | <u>FOOT</u> 40 41 46 33 160 | <u>COMMENTS</u> |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT <u>LOCATION</u> STA 1484+17 TO 1484+62 TOTAL | <u>SQ YD</u> 150 | <u>COMMENTS</u> | 60500060 | REMOVING INLETS <u>LOCATION</u> STA 1486+44 LT STA 1486+44 RT STA 1487+74 LT STA 1487+74 RT TOTAL | <u>EACH</u> 1 1 1 1 4 | <u>COMMENTS</u> |
| 42000060 | WELDED WIRE REINFORCEMENT <u>LOCATION</u> STA 1486+04 TO 1486+24 STA 1487+94 TO 1488+15 TOTAL | <u>SQ YD</u> 135 135 270 | <u>COMMENTS</u> | 61000050 | CONCRETE THRUST BLOCKS <u>LOCATION</u> STA 1486+14 STA 1488+05 TOTAL | <u>EACH</u> 2 2 4 | <u>COMMENTS</u> ONE EACH SIDE ONE EACH SIDE |
| 42000080 | PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB <u>LOCATION</u> STA 1486+04 TO 1486+24 STA 1487+94 TO 1488+15 TOTAL | <u>SQ YD</u> 135 135 270 | <u>COMMENTS</u> | 61000225 | TYPE F INLET BOX, STANDARD 610001 <u>LOCATION</u> STA 1486+14 STA 1488+05 TOTAL | <u>EACH</u> 2 2 4 | <u>COMMENTS</u> ONE EACH SIDE ONE EACH SIDE |
| 42001300 | PROTECTIVE COAT <u>LOCATION</u> STA 1486+04 TO 1486+24 STA 1487+95 TO 1488+15 TOTAL | <u>SQ YD</u> 137 136 273 | <u>COMMENTS</u> PCC PAVEMENT CONNECTORS | 63100085 | TRAFFIC BARRIER TERMINAL, TYPE 6 <u>LOCATION</u> STA 1486+39 STA 1487+79 TOTAL | <u>EACH</u> 2 2 4 | <u>COMMENTS</u> ONE EACH SIDE ONE EACH SIDE |
| 42400300 | PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH <u>LOCATION</u> STA 4998+00 TO 5001+25 TOTAL | <u>SQ FT</u> 3860 | <u>COMMENTS</u> MULTI-USE PATH STATIONS | 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT <u>LOCATION</u> STA 1485+52 STA 1488+67 TOTAL | <u>EACH</u> 2 2 4 | <u>COMMENTS</u> ONE EACH SIDE ONE EACH SIDE |
| 44000161 | HOT-MIX ASPHALT SURFACE REMOVAL, 3" <u>LOCATION</u> STA 1488+14.60 TO STA 1490+03.55 TOTAL | <u>SQ YD</u> 630 | <u>COMMENTS</u> | | | | |
| 44201741 | CLASS D PATCHES, TYPE II, 8 INCH <u>LOCATION</u> TO BE DETERMINED BY THE ENGINEER TOTAL | <u>SQ YD</u> 58 | <u>COMMENTS</u> GOOD NEIGHBOR POLICY | | | | |
| 44201745 | CLASS D PATCHES, TYPE III, 8 INCH <u>LOCATION</u> TO BE DETERMINED BY THE ENGINEER TOTAL | <u>SQ YD</u> 58 | <u>COMMENTS</u> GOOD NEIGHBOR POLICY | | | | |

PRINT DRIVER = #PLTWIN98
 PLOT FILE NAME = I:\PROJECTS\2020\1140\1140.dwg
 PLOT DATE = 3/9/2020



USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/9/2020

DESIGNED - SMA
 DRAWN - KAH
 CHECKED - ELH
 DATE - 02/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|------------------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 12 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

SCHEDULE OF QUANTITIES

| | | | | | |
|----------|--|--------|---------------|--|--|
| 63500105 | DELINEATORS | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | STA 1486+14 | 66' LT | 1 | | |
| | STA 1486+14 | 67' RT | 1 | | |
| | STA 1487+80 | 66' LT | 1 | | |
| | STA 1487+76 | 61' RT | 1 | | |
| | TOTAL | | 4 | | |
| 66700305 | PERMANENT SURVEY MARKERS, TYPE II | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE ENGINEER | | 1 | | |
| | TOTAL | | 1 | | |
| 66900200 | NON-SPECIAL WASTE DISPOSAL | | | | |
| | <u>LOCATION</u> | | <u>CU YD</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE ENGINEER | | 905 | | |
| | TOTAL | | 905 | | |
| 66901006 | REGULATED SUBSTANCES MONITORING | | | | |
| | <u>LOCATION</u> | | <u>CAL DA</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE ENGINEER | | 6 | | |
| | TOTAL | | 6 | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | | | | |
| | <u>LOCATION</u> | | <u>CAL DA</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE ENGINEER | | 28 | 2 SIGNS, 14 DAYS EACH | |
| | TOTAL | | 28 | | |
| 72501000 | TERMINAL MARKER - DIRECT APPLIED | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | STA 1485+52 | 29' RT | 1 | | |
| | STA 1488+66 | 29' RT | 1 | | |
| | STA 1485+52 | 34' LT | 1 | | |
| | STA 1488+66 | 34' LT | 1 | | |
| | TOTAL | | 4 | | |
| 78001110 | PAINT PAVEMENT MARKING - LINE 4" | | | | |
| | <u>LOCATION</u> | | <u>FOOT</u> | <u>COMMENTS</u> | |
| | STA 1484+17 TO 1490+04 | | 2350 | DOUBLE YELLOW CENTERLINE, 2 APPLICATIONS | |
| | STA 1484+17 TO 1490+04 | | 2350 | WHITE EDGE, 2 APPLICATIONS | |
| | STA 4998+00 TO 5001+27 | | 1320 | WHITE EDGE, 2 APPLICATIONS | |
| | TOTAL | | 6020 | | |
| 78200005 | GUARDRAIL REFLECTORS, TYPE A | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | STA 1487+79 TO 1488+66 | | 2 | ONE EACH SIDE | |
| | STA 1485+52 TO 1486+39 | | 2 | ONE EACH SIDE | |
| | TOTAL | | 4 | | |
| 78200010 | BARRIER WALL REFLECTORS, TYPE B | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | STA 1486+39 TO 1487+80 | | 8 | 4 EACH PARAPET, TOP AND SIDE | |
| | TOTAL | | 8 | | |
| A2000114 | TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST | | 7 | | |
| | TOTAL | | 7 | | |
| A2002914 | TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST | | 7 | | |
| | TOTAL | | 7 | | |
| B2004114 | TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED | | | | |
| | <u>LOCATION</u> | | <u>EACH</u> | <u>COMMENTS</u> | |
| | TO BE DETERMINED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST | | 7 | | |
| | TOTAL | | 7 | | |

| | | | | | |
|----------|---------------------------------|----|--------------|-----------------|--|
| X5420636 | PIPE CULVERTS TO BE CLEANED 36" | | | | |
| | <u>LOCATION</u> | | <u>FOOT</u> | <u>COMMENTS</u> | |
| | STA 1485+90 | | 157 | | |
| | TOTAL | | 157 | | |
| Z0004552 | APPROACH SLAB REMOVAL | | | | |
| | <u>LOCATION</u> | | <u>SQ YD</u> | <u>COMMENTS</u> | |
| | STA 1486+04 TO 1486+54 | | 203 | | |
| | STA 1487+64 TO 1488+15 | | 203 | | |
| | TOTAL | | 406 | | |
| Z0007430 | TEMPORARY SIDEWALK | | | | |
| | <u>LOCATION</u> | | <u>SQ FT</u> | <u>COMMENTS</u> | |
| | STA 4997+80 TO 5000+04 | RT | 423 | | |
| | STA 5000+47 TO 5001+46 | RT | 172 | | |
| | TOTAL | | 595 | | |

PRINT DRIVER = PLOTDRIVER
 PLOT FILE NAME = PLOT017.dwg
 PLOT SCALE = 1/8" = 1'-0"
 PLOT DATE = 3/9/2020



USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/9/2020

DESIGNED - SMA
 DRAWN - KAH
 CHECKED - ELH
 DATE - 02/20

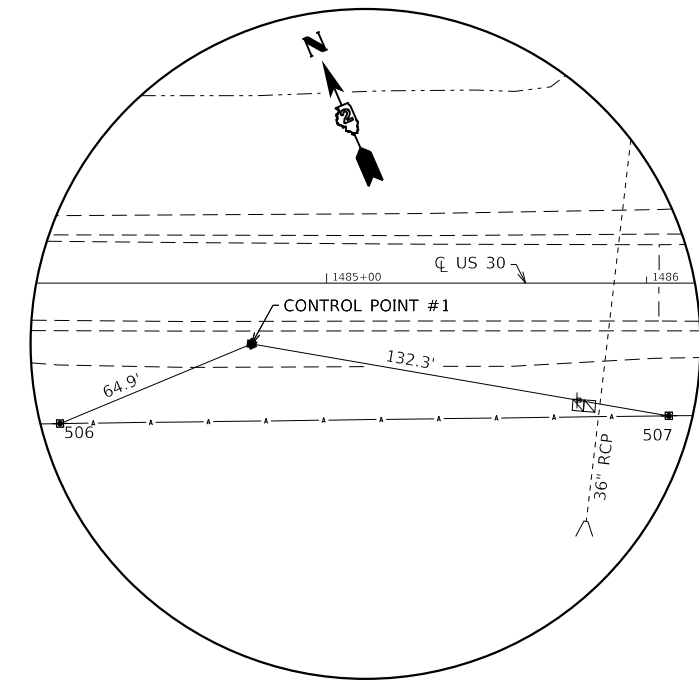
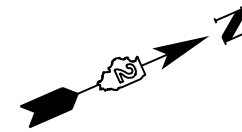
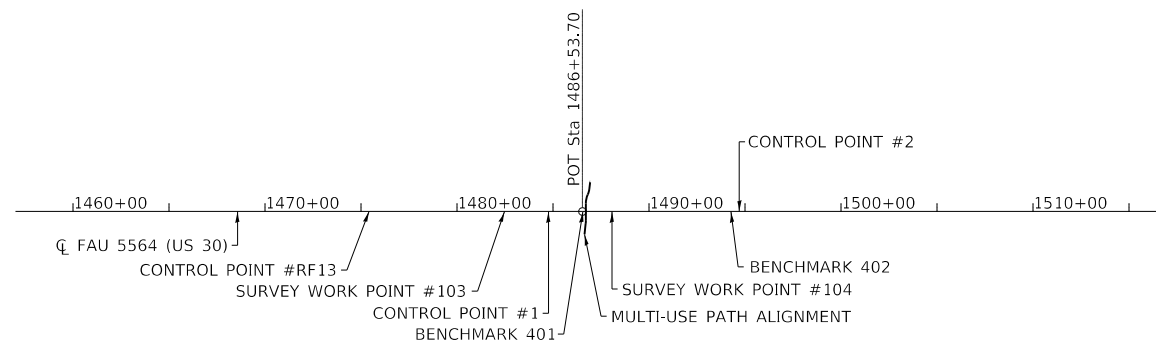
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 13 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



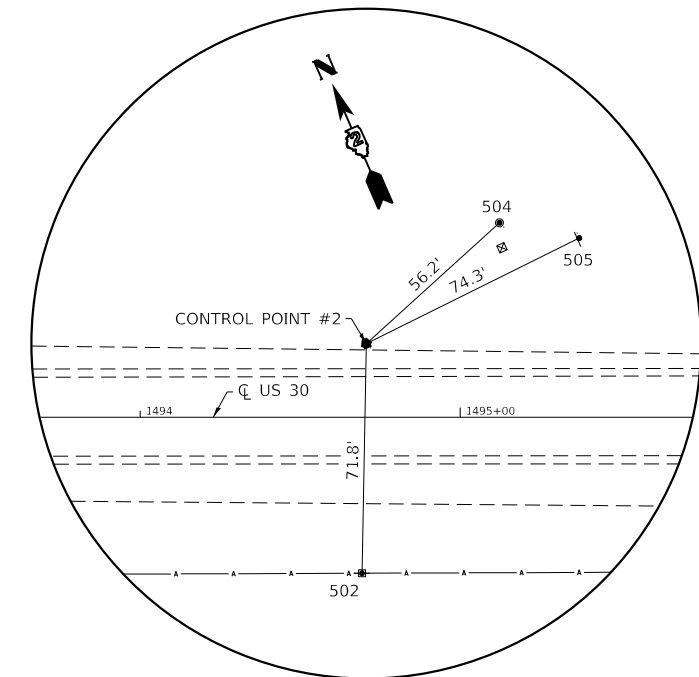
HORIZONTAL CONTROL POINT NO. 1

| BENCHMARKS | | | | | | | |
|------------|--------------|--------------|-----------|-----------|------------|-------------|--------------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| 401 | 1856889.9335 | 2427886.7585 | 652.5622 | US30_EAST | 1486+56.67 | 28.9815' RT | VERTICAL CONTROL STATION |
| 402 | 1856538.1538 | 2428573.3938 | 638.7411 | US30_EAST | 1494+26.76 | 75.596' RT | VERTICAL CONTROL STATION |

| HORIZONTAL CONTROL POINTS | | | | | | | |
|---------------------------|--------------|--------------|-----------|-----------|------------|-------------|-------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| 1 | 1856971.3839 | 2427725.8574 | 648.1584 | US30_EAST | 1484+76.61 | 18.9587' RT | GPS CONTROL POINT |
| 2 | 1856610.8553 | 2428653.1138 | 641.3304 | US30_EAST | 1494+70.60 | 22.9892' LT | GPS CONTROL POINT |
| RF13 | 1857291.4676 | 2426846.6523 | 638.7480 | US30_EAST | 1475+42.86 | 78.665' RT | GPS CONTROL POINT |

| SURVEY WORK POINTS | | | | | | | |
|--------------------|--------------|--------------|-----------|-----------|------------|-------------|-------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| 103 | 1857049.1114 | 2427510.0315 | 643.5539 | US30_EAST | 1482+47.73 | 34.3903' RT | TOPO SURVEY POINT |
| 104 | 1856882.1329 | 2428047.8450 | 649.2845 | US30_EAST | 1488+07.34 | 28.5274' LT | TOPO SURVEY POINT |

| REFERENCE TIES | | | | | | | |
|----------------|--------------|--------------|-----------|------------|-------------|----------------|--|
| POINT | NORTH | EAST | CHAIN | STATION | OFFSET | DESCRIPTION | |
| 500 | 1856568.2558 | 2428545.8429 | US30_EAST | 1493+89.45 | 59.0827' RT | PIPE CULVERT | |
| 501 | 1856522.2209 | 2428596.6681 | US30_EAST | 1494+54.48 | 80.8479' RT | TREE DECIDUOUS | |
| 502 | 1856545.6694 | 2428623.1146 | US30_EAST | 1494+69.29 | 48.7563' RT | POWER POLE | |
| 503 | 1856621.2839 | 2428703.9736 | US30_EAST | 1495+13.00 | 52.9541' LT | R.O.W. MARKER | |
| 504 | 1856628.7289 | 2428706.4127 | US30_EAST | 1495+12.25 | 60.7521' LT | FENCE CORNER | |
| 505 | 1856614.3351 | 2428727.2940 | US30_EAST | 1495+37.15 | 55.9494' LT | WARNING SIGN | |
| 506 | 1856972.6140 | 2427661.0162 | US30_EAST | 1484+16.72 | 43.8566' RT | POWER POLE | |
| 507 | 1856898.4670 | 2427836.2488 | US30_EAST | 1486+06.98 | 41.4381' RT | POWER POLE | |



HORIZONTAL CONTROL POINT NO. 2

PRINT DRIVER = PLOTTERS
 SCALE NAME = PLOT
 FILE NAME = 20200724-us30-hor-ctrl.dwg

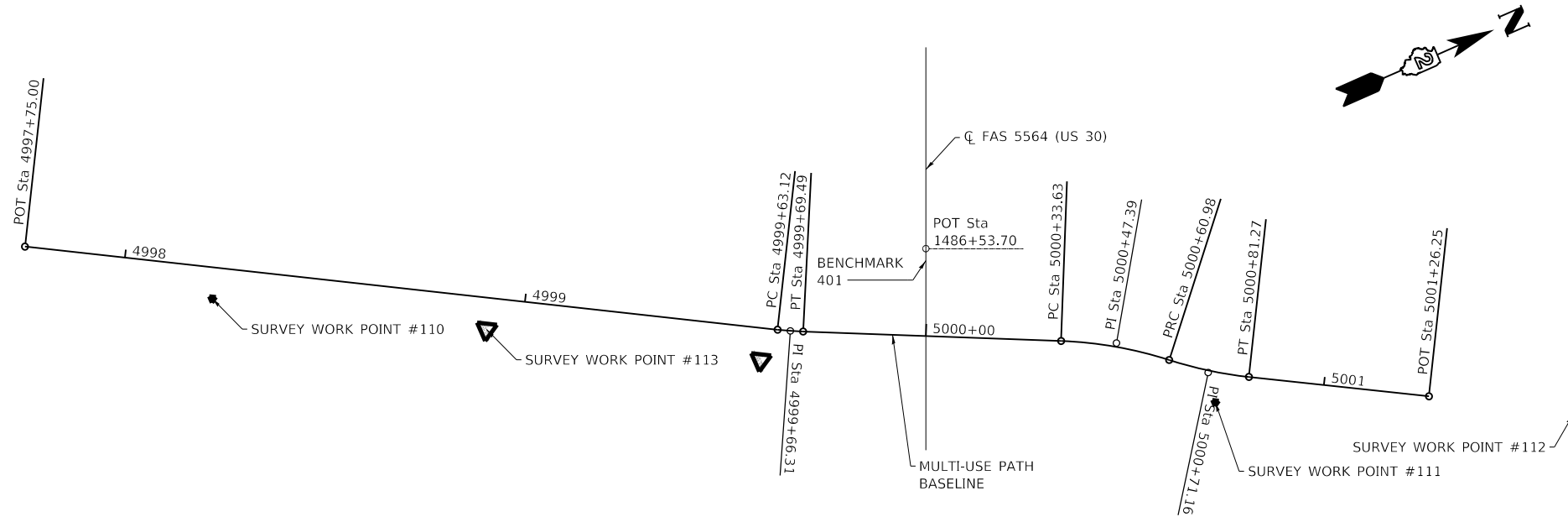


| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - KAH | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|---------------------|--------------|--|
| US 30 HORIZONTAL AND VERTICAL CONTROL | | | |
| SCALE: NA | SHEET 1 OF 2 SHEETS | STA. TO STA. | |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|---------------------------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 14 |
| | | | CONTRACT NO. 64L74 | |
| | | ILLINOIS FED. AID PROJECT | | |



Chain PRBPBL contains:
PRBPBL1 CUR PRBPBL_3 CUR PRBPBL_6 CUR PRBPBL_7 PRBPBL9

Beginning chain PRBPBL description
Feature: Geom_Pr_Baseline

Point PRBPBL1 N 1,856,712.8605 E 2,427,805.3772 Sta 4997+75.00

Course from PRBPBL1 to PC PRBPBL_3 N 29° 57' 18.19" E Dist 188.1205'

Curve Data

Curve PRBPBL_3
PI Station 4999+66.31 N 1,856,878.6395 E 2,427,900.8531
Delta = 2° 26' 03.23" (LT)
Degree = 38° 11' 49.87"
Tangent = 3.1869'
Length = 6.3728'
Radius = 150.0000'
External = 0.0339'
Long Chord = 6.3723'
Mid. Ord. = 0.0338'
PC Station 4999+63.12 N 1,856,875.8513 E 2,427,899.3096
PT Station 4999+69.49 N 1,856,881.4907 E 2,427,902.2767
CC N 1,856,948.5007 E 2,427,768.0767

Course from PT PRBPBL_3 to PC PRBPBL_6 N 25° 46' 20.99" E Dist 64.1369'

Curve Data

Curve PRBPBL_6
PI Station 5000+47.39 N 1,856,951.6388 E 2,427,936.1461
Delta = 15° 40' 08.94" (RT)
Degree = 57° 17' 44.81"
Tangent = 13.7598'
Length = 27.3478'
Radius = 100.0000'
External = 0.9422'
Long Chord = 27.2627'
Mid. Ord. = 0.9334'
PC Station 5000+33.63 N 1,856,939.2477 E 2,427,930.1634
PRC Station 5000+60.98 N 1,856,961.9535 E 2,427,945.2531
CC N 1,856,895.7678 E 2,428,020.2161

Curve Data

Curve PRBPBL_7
PI Station 5000+71.16 N 1,856,969.5840 E 2,427,951.9902
Delta = 11° 37' 27.49" (LT)
Degree = 57° 17' 44.81"
Tangent = 10.1791'
Length = 20.2882'
Radius = 100.0000'
External = 0.5167'
Long Chord = 20.2535'
Mid. Ord. = 0.5141'
PRC Station 5000+60.98 N 1,856,961.9535 E 2,427,945.2531
PT Station 5000+81.27 N 1,856,978.4155 E 2,427,957.0516
CC N 1,857,028.1392 E 2,427,870.2901

Course from PT PRBPBL_7 to PRBPBL9 N 29° 49' 02.43" E Dist 44.9836'

Point PRBPBL9 N 1,857,017.4440 E 2,427,979.4191 Sta 5001+26.25

Ending chain PRBPBL description

| HORIZONTAL CONTROL POINTS | | | | | | | |
|---------------------------|--------------|--------------|-----------|--------|------------|---------|------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| PRBPBL1 | 1856712.8605 | 2427805.3772 | NA | PRBPBL | 4997+75.00 | 0.0000' | CALCULATED POINT |
| PRBPBL9 | 1857017.4440 | 2427979.4191 | NA | PRBPBL | 5001+26.25 | 0.0000' | CALCULATED POINT |

| SURVEY WORK POINTS | | | | | | | |
|--------------------|--------------|--------------|-----------|--------|--------------|------------|------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| 110 | 1856750.2970 | 2427835.9080 | 637.9700 | PRBPBL | 4998+22.68 | 7.7596' RT | TRAVERSE STATION |
| 111 | 1856968.2220 | 2427959.5030 | 637.8100 | PRBPBL | 5000+74.16 | 7.4663' RT | TRAVERSE STATION |
| 112 | 1857048.4340 | 2427997.9440 | 637.4400 | PRBPBL | OUT OF CHAIN | ----- | TRAVERSE STATION |
| 113 | 1856809.6221 | 2427870.2196 | 638.0694 | PRBPBL | 4998+91.21 | 7.8656' RT | TRAVERSE STATION |

| CURVE POINT NUMBERS | | | | | |
|---------------------|----------|---------|----|----|----|
| CHAIN | CURVE | PI | CC | PC | PT |
| PRBPBL | PRBPBL_3 | RBPBL_3 | 1 | 2 | 3 |
| PRBPBL | PRBPBL_6 | RBPBL_6 | 1 | 2 | 3 |
| PRBPBL | PRBPBL_7 | RBPBL_7 | 1 | 2 | 3 |

PRINT DRIVER = \$PLTWIN95
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/5/2020



USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/5/2020

DESIGNED - KAH
 DRAWN - KAH/JMK
 CHECKED - ELH
 DATE - 02/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

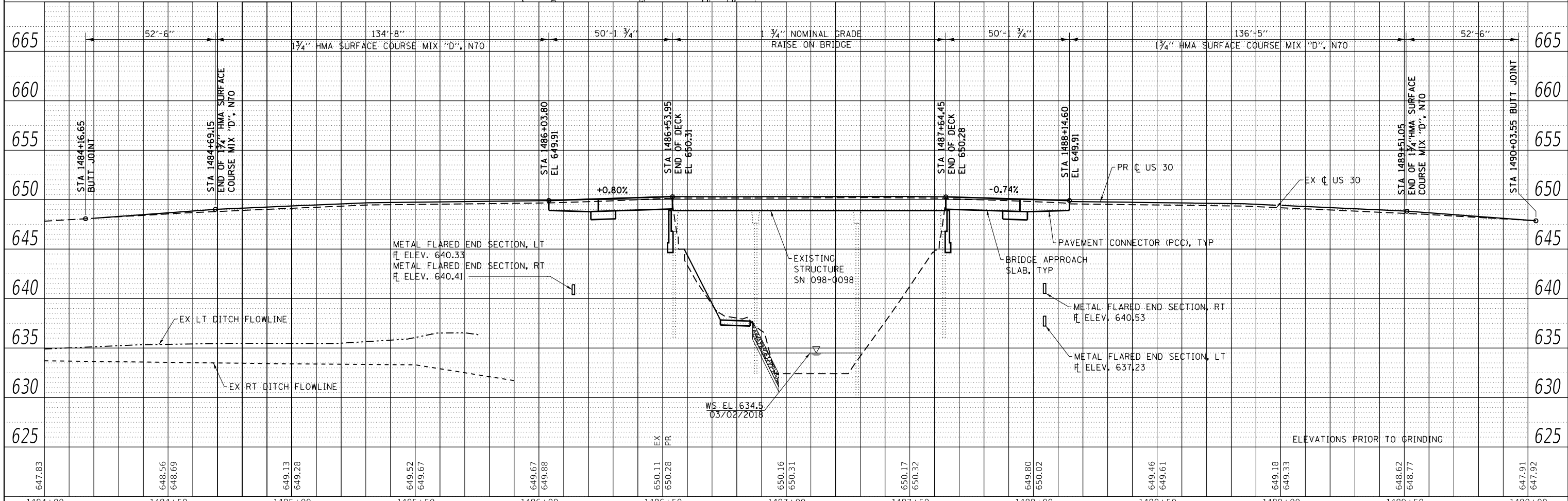
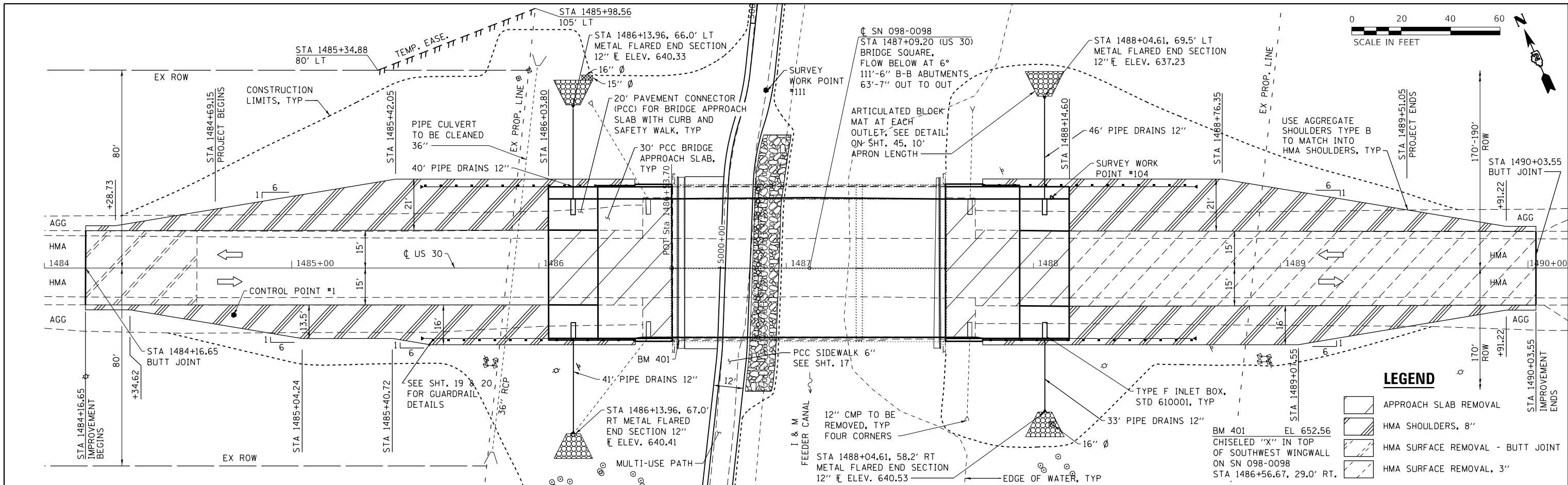
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH
HORIZONTAL AND VERTICAL CONTROL
 SCALE: NA SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|-----------|---------------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 15 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |

| | | |
|------|-----------|---------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNED | CHECKED |
| | NOTE BOOK | NO. |
| | FILE NAME | |

| | | |
|---------|-----------|----------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | GRADES | CHECKED |
| | NOTE BOOK | NO. |
| | STRUCTURE | NOTATION |



| | | | | | | | | | | | | |
|---------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 647.83 | 648.56 648.69 | 649.13 649.28 | 649.52 649.67 | 649.67 649.88 | 650.11 650.28 | 650.16 650.31 | 650.17 650.32 | 649.80 650.02 | 649.46 649.61 | 649.18 649.33 | 648.62 648.77 | 647.91 647.92 |
| 1484+00 | 1484+50 | 1485+00 | 1485+50 | 1486+00 | 1486+50 | 1487+00 | 1487+50 | 1488+00 | 1488+50 | 1489+00 | 1489+50 | 1490+00 |

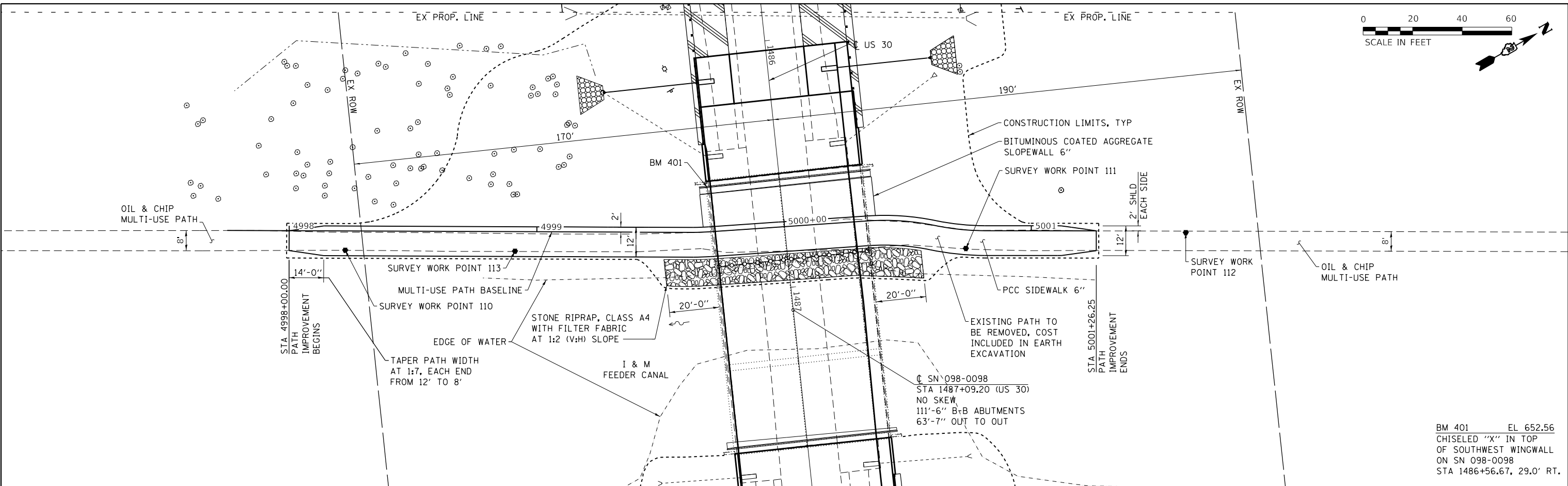
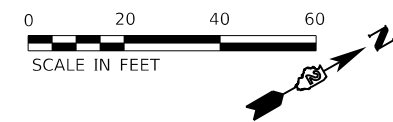


| | | |
|-------------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 40.000000' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|-------------------------------|---------------------|------------------------------|--|
| US 30 PLAN AND PROFILE | | | |
| SCALE: AS SHOWN | SHEET 1 OF 1 SHEETS | STA. 1484+00 TO STA. 1490+00 | |

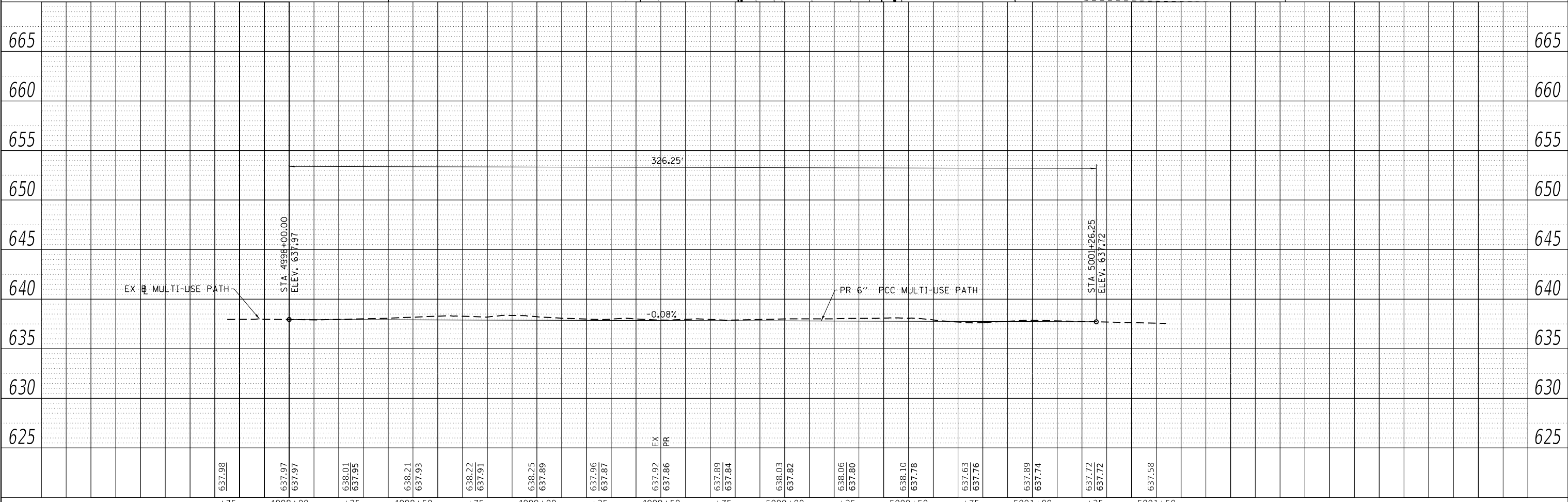
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|--------------------|----------------------|------------------|---------------------------|--------------|
| F.A.U. RTE. 5564 | SECTION (111BR-1)BDR | COUNTY WHITESIDE | TOTAL SHEETS 61 | SHEET NO. 16 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |



BM 401 EL 652.56
 CHISELED "X" IN TOP
 OF SOUTHWEST WINGWALL
 ON SN 098-0098
 STA 1486+56.67, 29.0' RT.

| | | |
|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNMENT CHECKED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |

| | | |
|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |



| | | | | | | | | | | | | | | | |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| 637.98 | 637.97 | 638.01 | 638.21 | 638.22 | 638.25 | 637.96 | 637.92 | 637.89 | 638.03 | 638.06 | 638.10 | 637.63 | 637.89 | 637.72 | 637.58 |
| +75 | 4998+00 | +25 | 4998+50 | +75 | 4999+00 | +25 | 4999+50 | +75 | 5000+00 | +25 | 5000+50 | +75 | 5001+00 | +25 | 5001+50 |



| | | |
|-----------------------------|------------------|-----------|
| USER NAME = sma | DESIGNED - ELH | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH, SMA | REVISED - |
| PLOT SCALE = 40.0000" / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |




**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

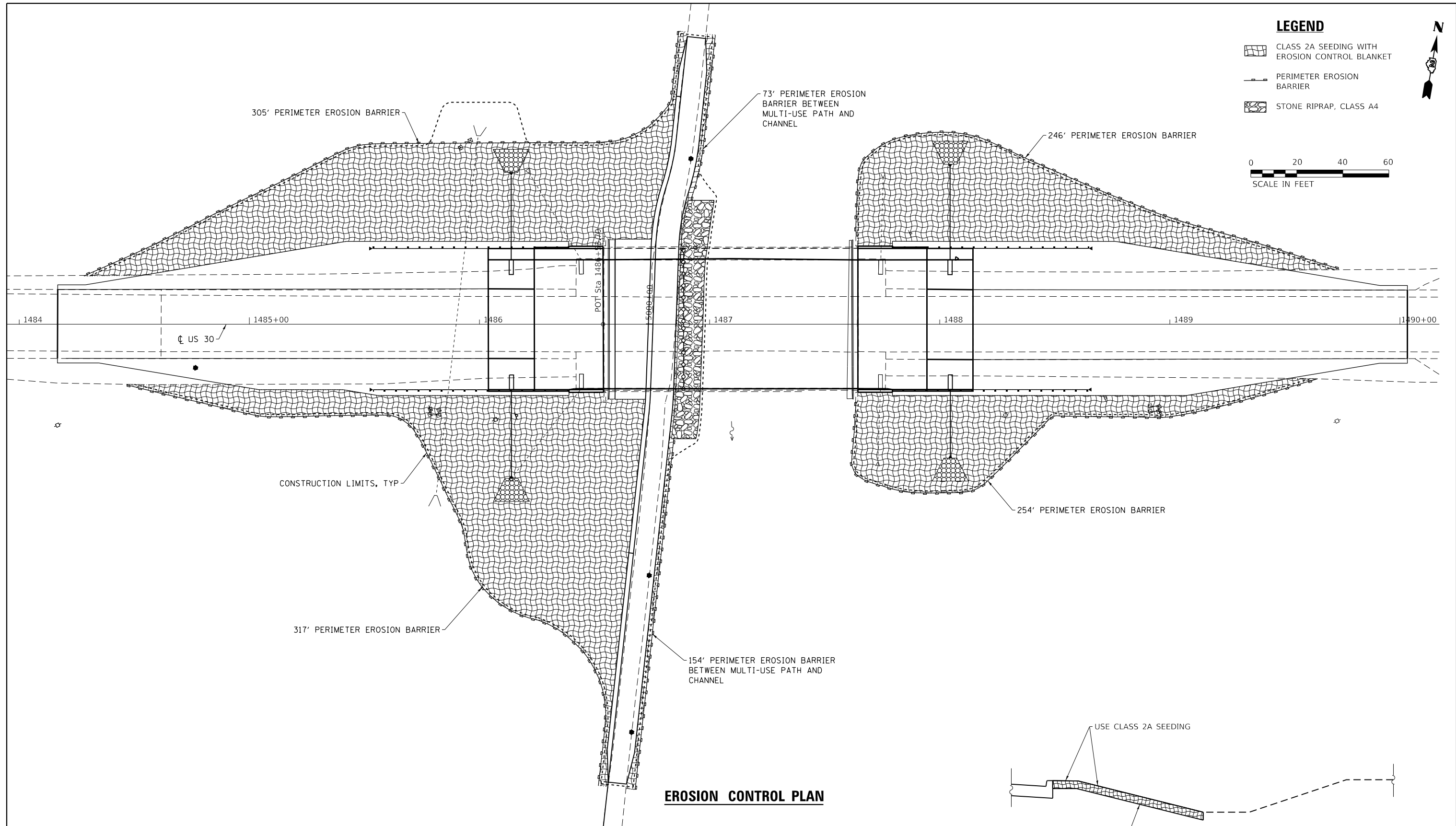
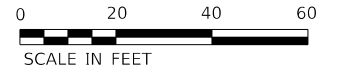
MULTI-USE PATH PLAN AND PROFILE

SCALE: AS SHOWN SHEET 1 OF 1 SHEETS STA. 4997+75 TO STA. 5001+50

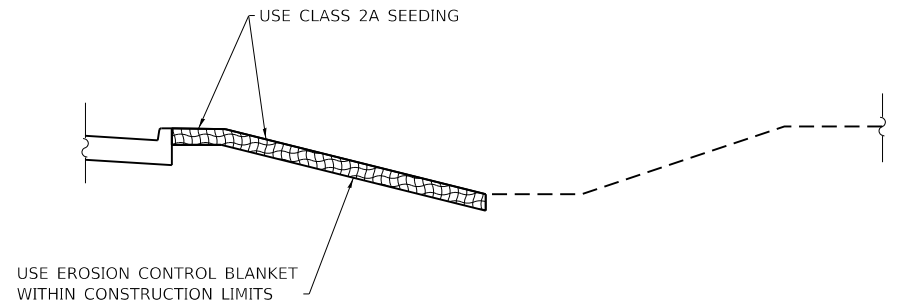
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|--------------------|--------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 17 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |

LEGEND

-  CLASS 2A SEEDING WITH EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  STONE RIPRAP, CLASS A4



EROSION CONTROL PLAN



SEEDING DETAIL

PRINT DRIVER = PLOTDRIVER
 SCALE NAME = PLOTSCALE
 FILE NAME = C:\ESCA\1140\1140.dwg

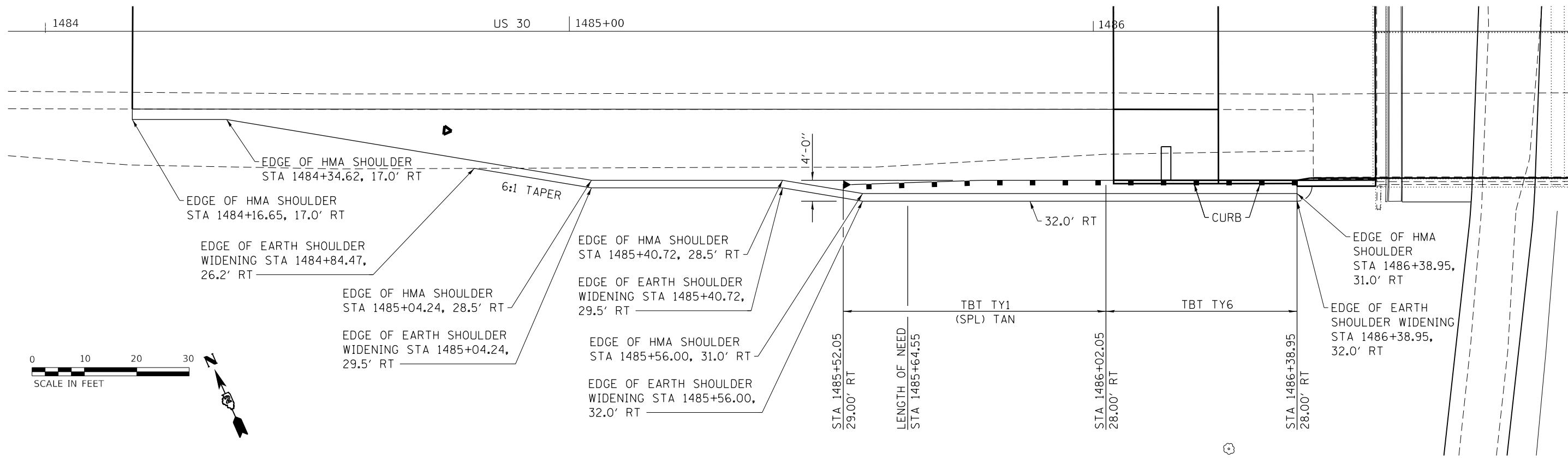


| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

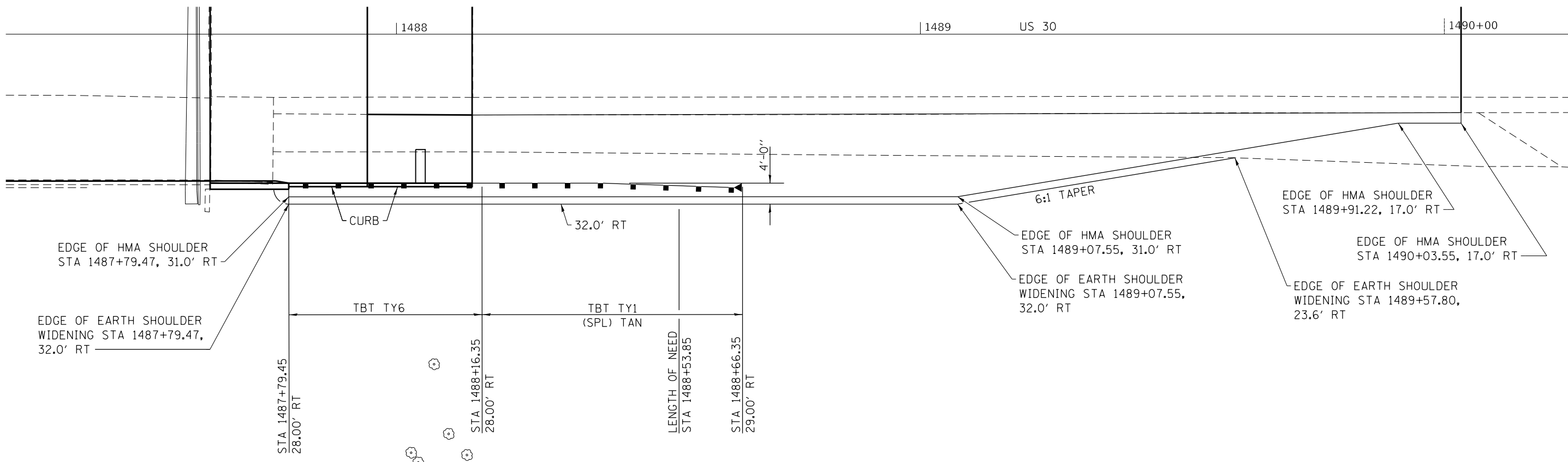
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|------------------------|---------------------|------------------------------|--|
| EROSION CONTROL | | | |
| SCALE: NA | SHEET 1 OF 1 SHEETS | STA. 1484+00 TO STA. 1490+00 | |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 18 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



WEST SIDE PLAN



EAST SIDE PLAN

PRINT DRIVER = WPLTWRS
 SCALE NAME = PLOT
 FILE NAME = 111BR-1)BDR.dwg



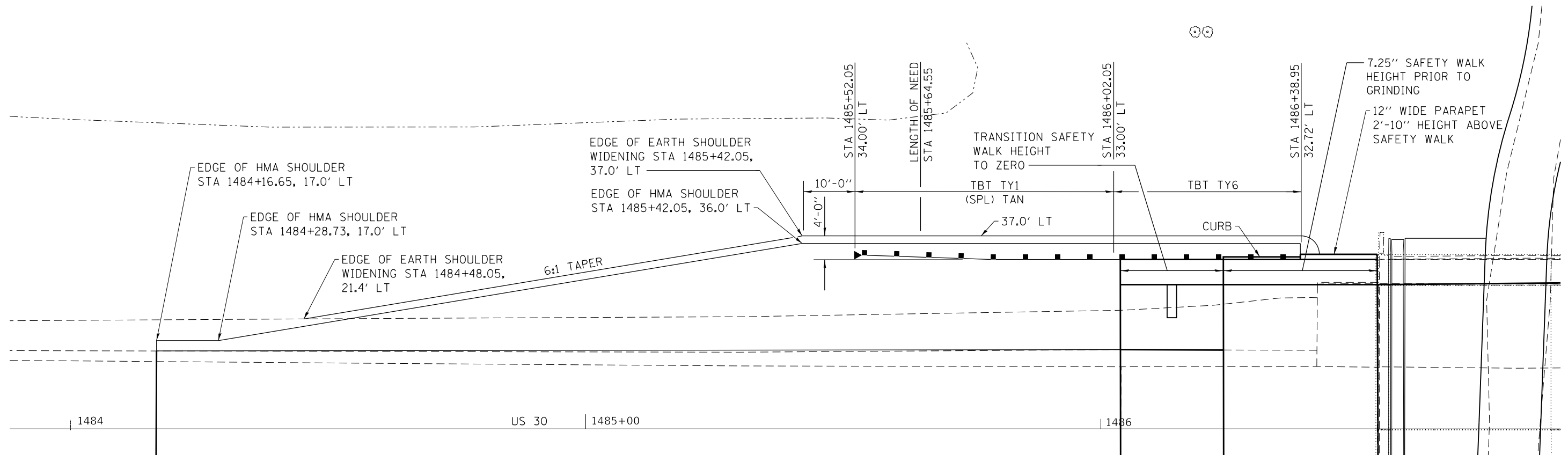
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|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

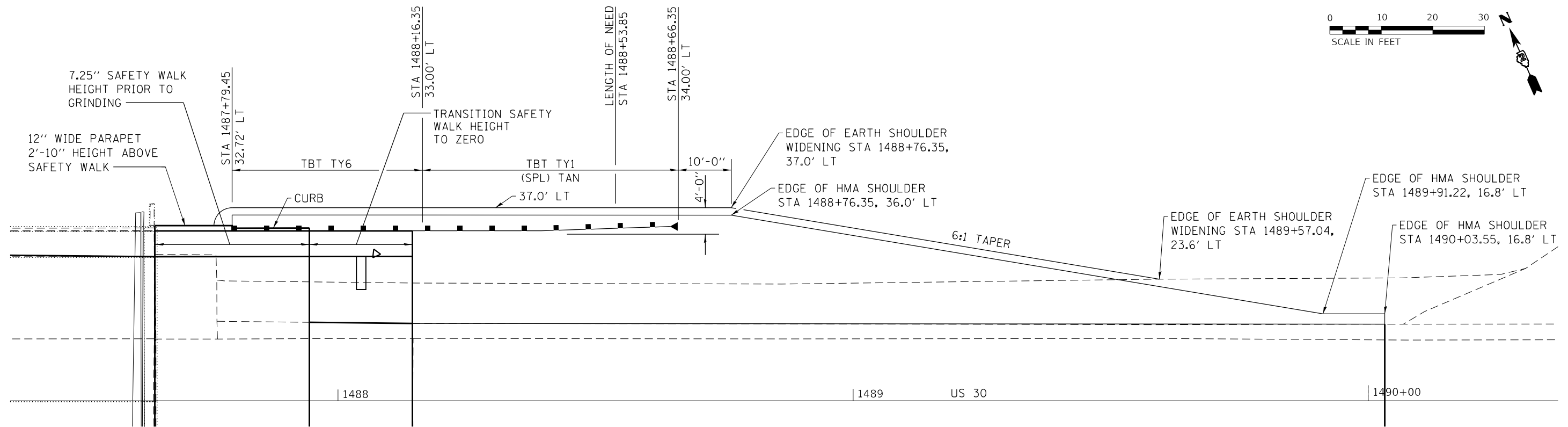
GUARDRAIL DETAILS - SOUTH SIDE

SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. TO STA.

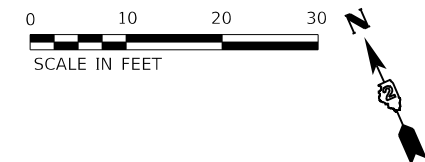
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 19 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



WEST SIDE PLAN



EAST SIDE PLAN



PRINT DRIVER = PLOTTERS
 SCALE NAME = PLOT
 FILE NAME = 5564-24-usa-1488-1490.dwg



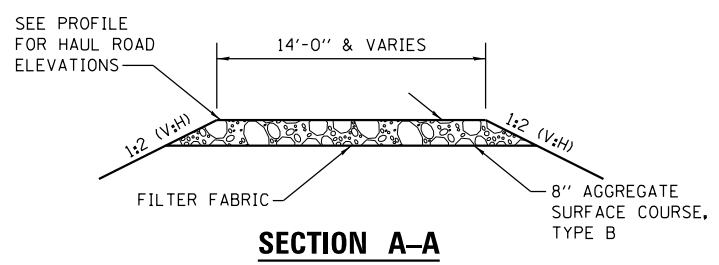
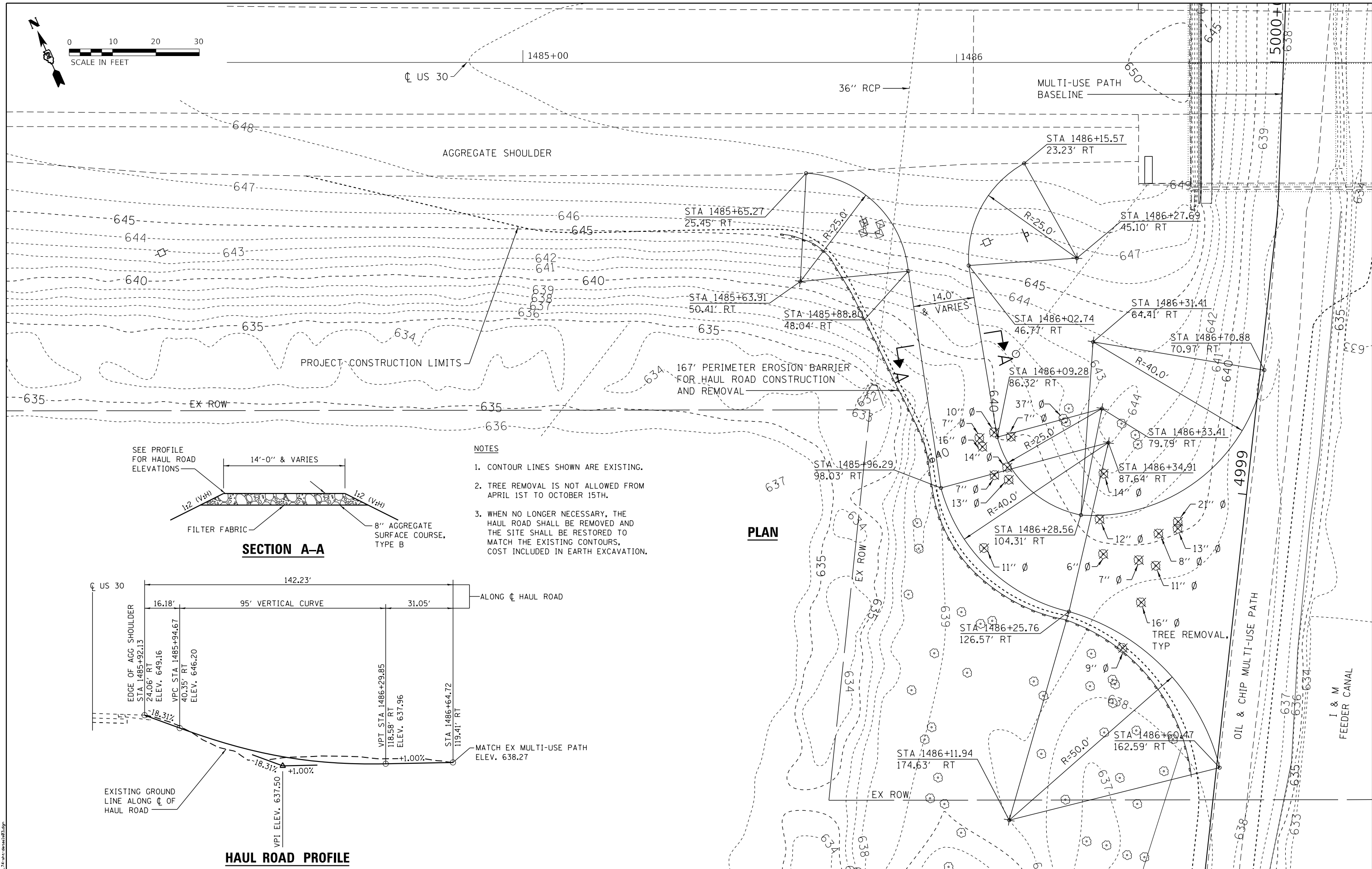
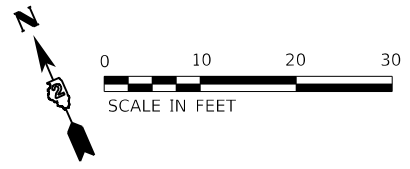
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|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - SMA | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

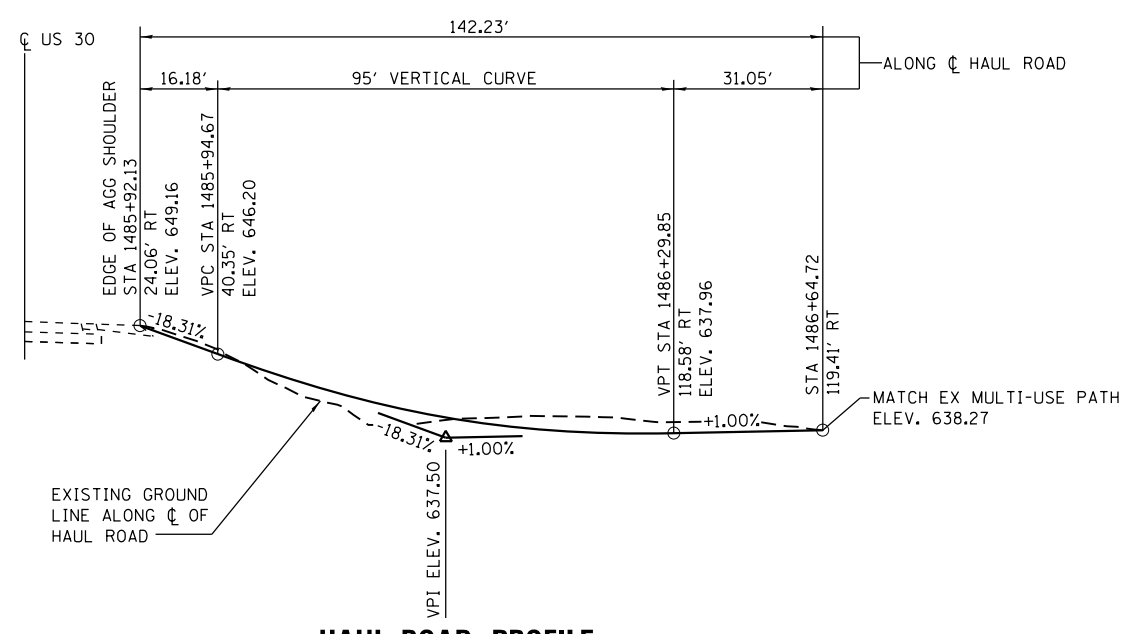
GUARDRAIL DETAILS - NORTH SIDE

SCALE: 1"=10' SHEET 2 OF 2 SHEETS STA. TO STA.

| | | | | |
|---------------------------|--------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 20 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- NOTES**
1. CONTOUR LINES SHOWN ARE EXISTING.
 2. TREE REMOVAL IS NOT ALLOWED FROM APRIL 1ST TO OCTOBER 15TH.
 3. WHEN NO LONGER NECESSARY, THE HAUL ROAD SHALL BE REMOVED AND THE SITE SHALL BE RESTORED TO MATCH THE EXISTING CONTOURS, COST INCLUDED IN EARTH EXCAVATION.



PRINT DRIVER: W. B. LUTWINS
 SCALE: 1"=10'
 FILE NAME: 24-03-2020-1485-1499.dwg



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - SMA | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 10/19 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY HAUL ROAD

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 21 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TRAFFIC CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL DETOURS AND ROADWAY CLOSURES WITH THE LOCAL EMERGENCY SERVICES.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY A STATE HIGHWAY IS TO BE CLOSED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHO WILL CONTACT THE LOCAL OFFICIALS CONCERNING THE CLOSURE OF ANY LOCAL STREETS / ROADWAYS.
3. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS FOR BARRICADE LOCATIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH APPROVAL FROM THE ENGINEER.
4. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS. CHANNELIZING DEVICES SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701901.
5. THE MULTI-USE PATH ALONG THE I&M FEEDER CANAL UNDER US 30 SHALL REMAIN OPEN AT ALL TIMES. STAGING SHALL BE AS SHOWN IN THE PLANS AND ACCORDING TO IDOT HIGHWAY STANDARD 701801.

TRAFFIC CONTROL PLAN NARRATIVE

THE FOLLOWING SUMMARIZES A SUGGESTED STAGING PLAN FOR REHABILITATION OF THE BRIDGE ON US 30 OVER THE I&M FEEDER CANAL. THIS REHABILITATION PROJECT WILL REQUIRE A FULL CLOSURE OF US 30 AT THE BRIDGE WITH A MARKED DETOUR ROUTE FOR THE DURATION OF THE CLOSURE. IT IS VERY IMPORTANT TO ESTABLISH AND MAINTAIN A HEIGHTENED LEVEL OF PUBLIC OUTREACH AND AWARENESS LEADING UP TO AND DURING CONSTRUCTION OPERATIONS. THIS INCLUDES CLOSE COORDINATION WITH THE LOCAL BUSINESSES, RESIDENTS AND EMERGENCY SERVICES.

TRAFFIC CONTROL SHALL BE ACCORDING TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS, THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", ANY SPECIAL DETAILS AND HIGHWAY STANDARDS CONTAINED IN THE PLANS AND THE SPECIAL PROVISIONS.

PRE-CLOSURE

THE CLOSING OF THE BRIDGE ON US 30 AT THE I&M FEEDER CANAL SHALL BE COMPLETED AS SHOWN IN THE CONTRACT PLANS, IDOT HIGHWAY STANDARD 701901, AND DISTRICT 2 STANDARD 40.1 TRAFFIC CONTROL FOR ROAD CLOSURE. DETOUR ROUTE SIGNING SHALL BE IN PLACE PRIOR TO CLOSING OF US ROUTE 30.

ANY ADVANCE WORK TO BE PERFORMED ON US 30 PRIOR TO THE ROAD CLOSURE SHALL UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARDS 701001, 701006, 701011, 701301, 701311, AND 701801 AS NEEDED.

US 30 CLOSURE

THE CONSTRUCTION WORK ON THE BRIDGE SHALL BE PERFORMED AS SHOWN IN THE CONTRACT PLANS AND SHALL UTILIZE THE DETOUR ROUTE SHOWN IN THE PLANS.

POST-CLOSURE

ALL REMAINING WORK TO BE PERFORMED ON US 30 OUTSIDE OF THE ROAD CLOSURE SHALL UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARDS 701001, 701006, 701011, 701301, 701311 AND 701801 AS NEEDED.

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\10 14 - US 30 TMA & MOT\CADD\CADD Sheets\264L74-sht-Staging-Notes.dgn
 MODEL = Default
 PLOT DRIVER = IDOT_PDF.plt



| | | |
|---|-------------------|-----------|
| USER NAME = FNelson | DESIGNED - FBN | REVISED - |
| FILE NAME = D264L74-sht-Staging-Notes.dgn | DRAWN - EJB | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - MCV | REVISED - |
| PLOT DATE = 3/2/2020 | DATE - 03/04/2020 | REVISED - |

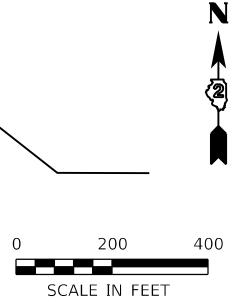
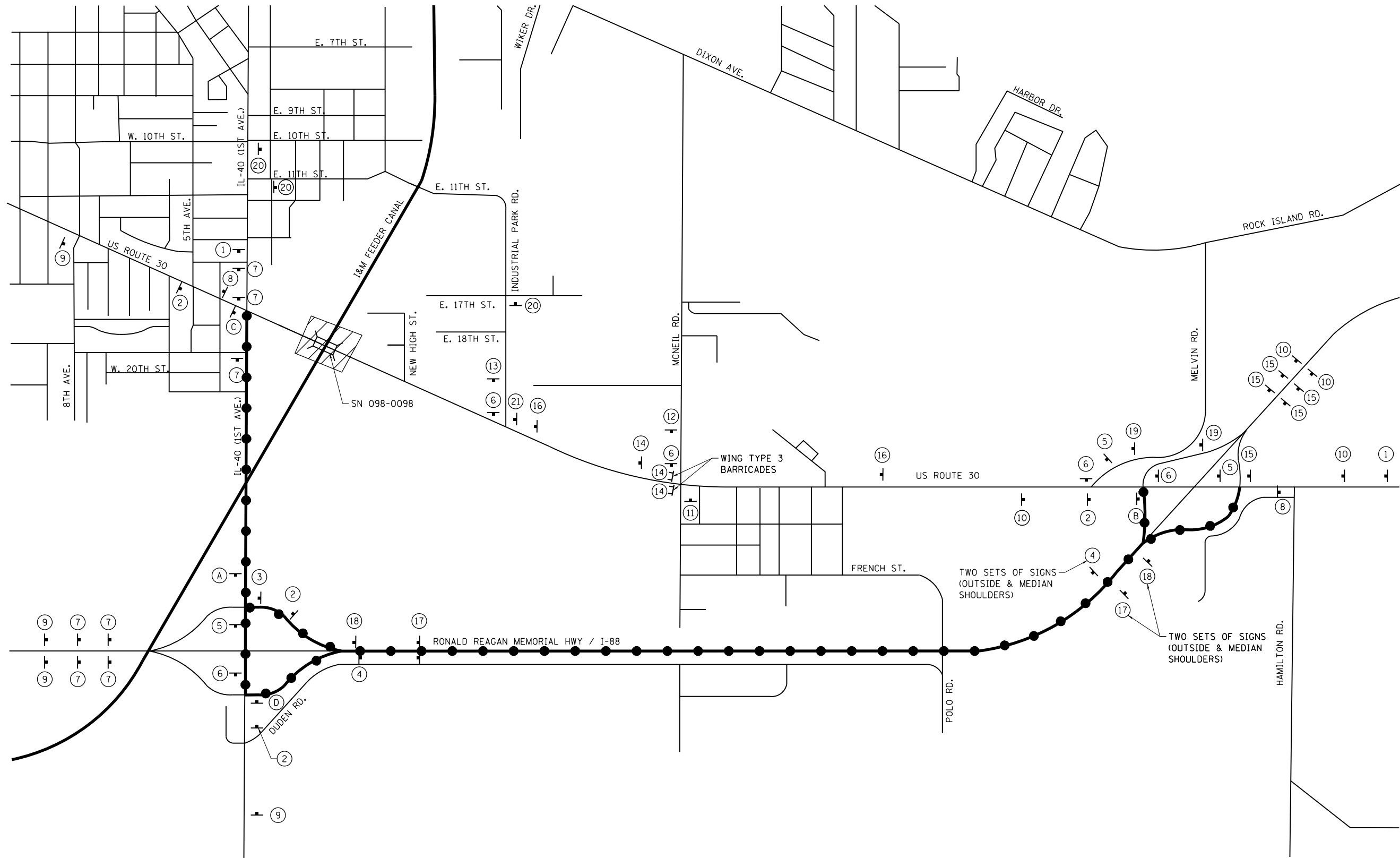
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL NOTES

SCALE: SHEET NO. 1 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|--------------------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 22 |
| | | | | CONTRACT NO. 64L74 |
| ILLINOIS FED. AID PROJECT | | | | |

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 14 - US 30 TMA & MOT\CADD\CADD Sheets\264L74-sht-Staging-Detour.dgn
 MODEL = Default
 PLOT DRIVER = 100T_PDF.plt



LEGEND

- MARKED DETOUR ROUTE
- WORK ZONE



| | | |
|--|-------------------|-----------|
| USER NAME = FNelson | DESIGNED - FBN | REVISED - |
| FILE NAME = D264L74-sht-Staging-Detour.dgn | DRAWN - EJB | REVISED - |
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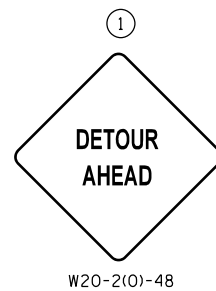
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 30 DETOUR ROUTE

SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------------------|------------------|-----------------|--------------|
| F.A.U. R.T.E. 5564 | SECTION (111BR-1)BDR | COUNTY WHITESIDE | TOTAL SHEETS 61 | SHEET NO. 23 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 14 - US 30 TMA & MOT\CADD\CADD Sheets\D264L74-sh-t-Staging-DeTour.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



W20-2(O)-48



M4-8-24x12
M1-4 24x24
M5-1R(O)-21x15



M4-8-24x12
M1-4 24x24
M6-1R(O)-21x15



M4-8-24x12
M1-4 24x24



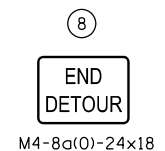
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M1-4 24x24
M5-1L(O)-21x15



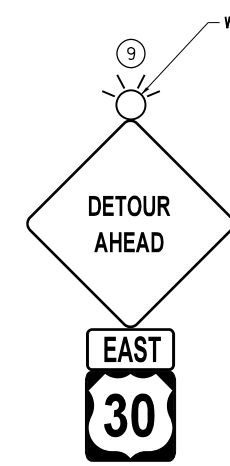
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M1-4 24x24
M6-1L(O)-21x15



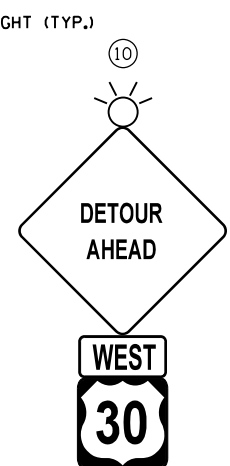
M4-8-24x12
M3-2 24x12
M1-4 24x24
M6-3(O)-21x15



M4-8a(O)-24x18



W20-2(O)-48
M3-2 24x12
M1-4 24x24



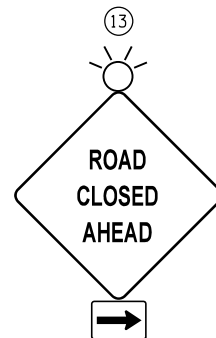
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M3-4 24x12
M1-4 24x24



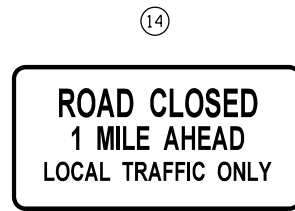
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M6-1L(O)-21x15



W20-3(O)-48
M6-1R(O)-21x15



W20-3(O)-48
M6-1R(O)-21x15



R11-3a 60x30



M4-8-24x12
M3-4 24x12
M1-4 24x24
M6-3(O)-21x15



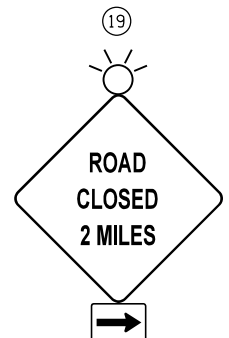
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M3-4 24x12
M1-4 24x24



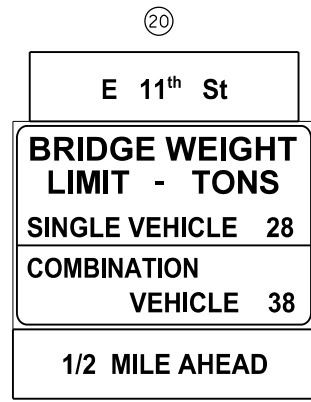
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M1-4 24x24
M5-2R(O)-21x15



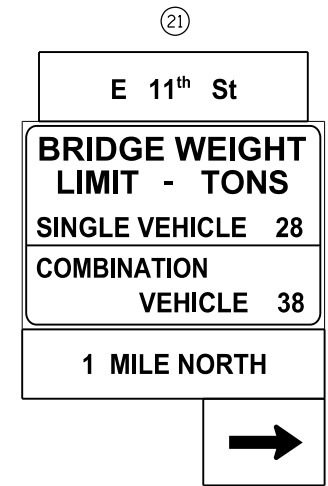
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M1-4 24x24
M6-2R(O)-21x15



W20-3(O)-48
M6-1R(O)-21x15

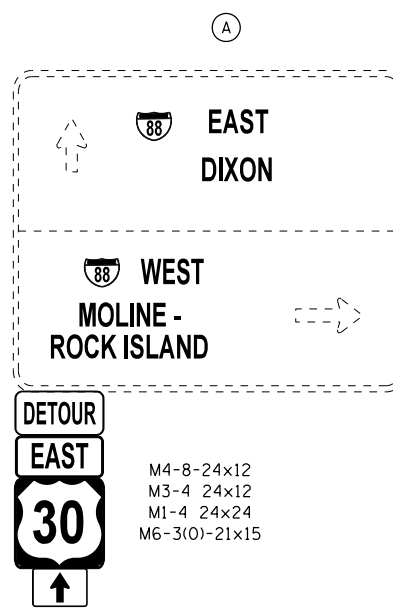


48x12 ORANGE
R12-1101 54x36
R12-1102P 54x12

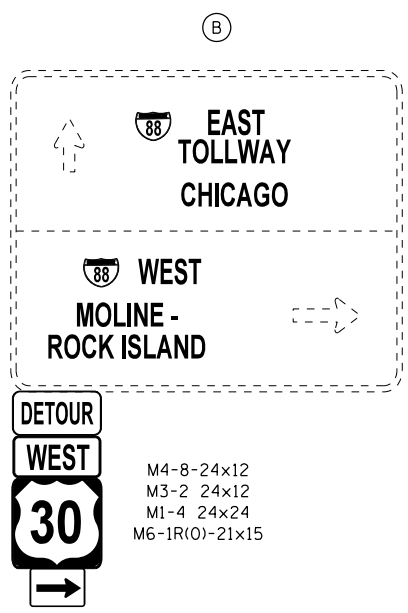


48x12 ORANGE
R12-1101 54x36
R12-1102P 54x12
M6-1R(O)-21x15

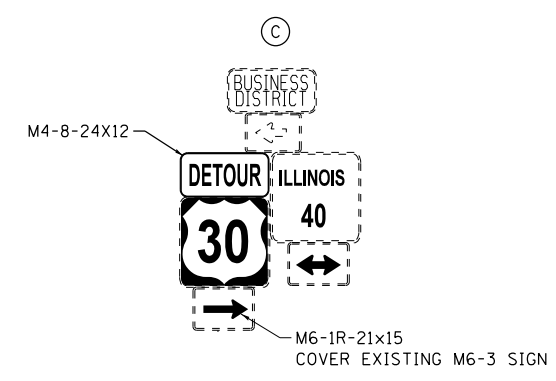
TEMPORARY CONSTRUCTION SIGNS



M4-8-24x12
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M1-4 24x24
M6-3(O)-21x15

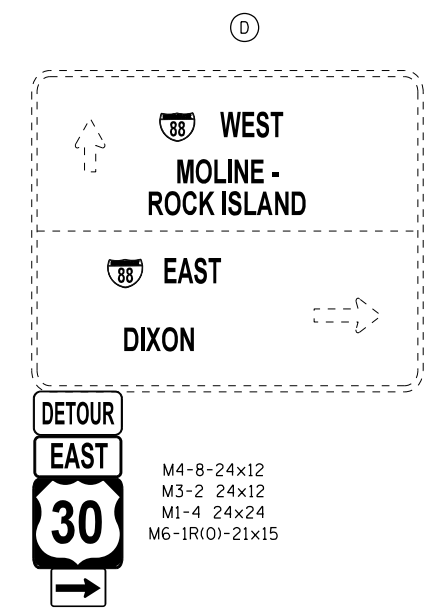


M4-8-24x12
M3-2 24x12
M1-4 24x24
M6-1R(O)-21x15



NOTE: ADJUST SIGNS AS NEEDED ON POST

EXISTING SIGN MODIFICATIONS



M4-8-24x12
M3-2 24x12
M1-4 24x24
M6-1R(O)-21x15



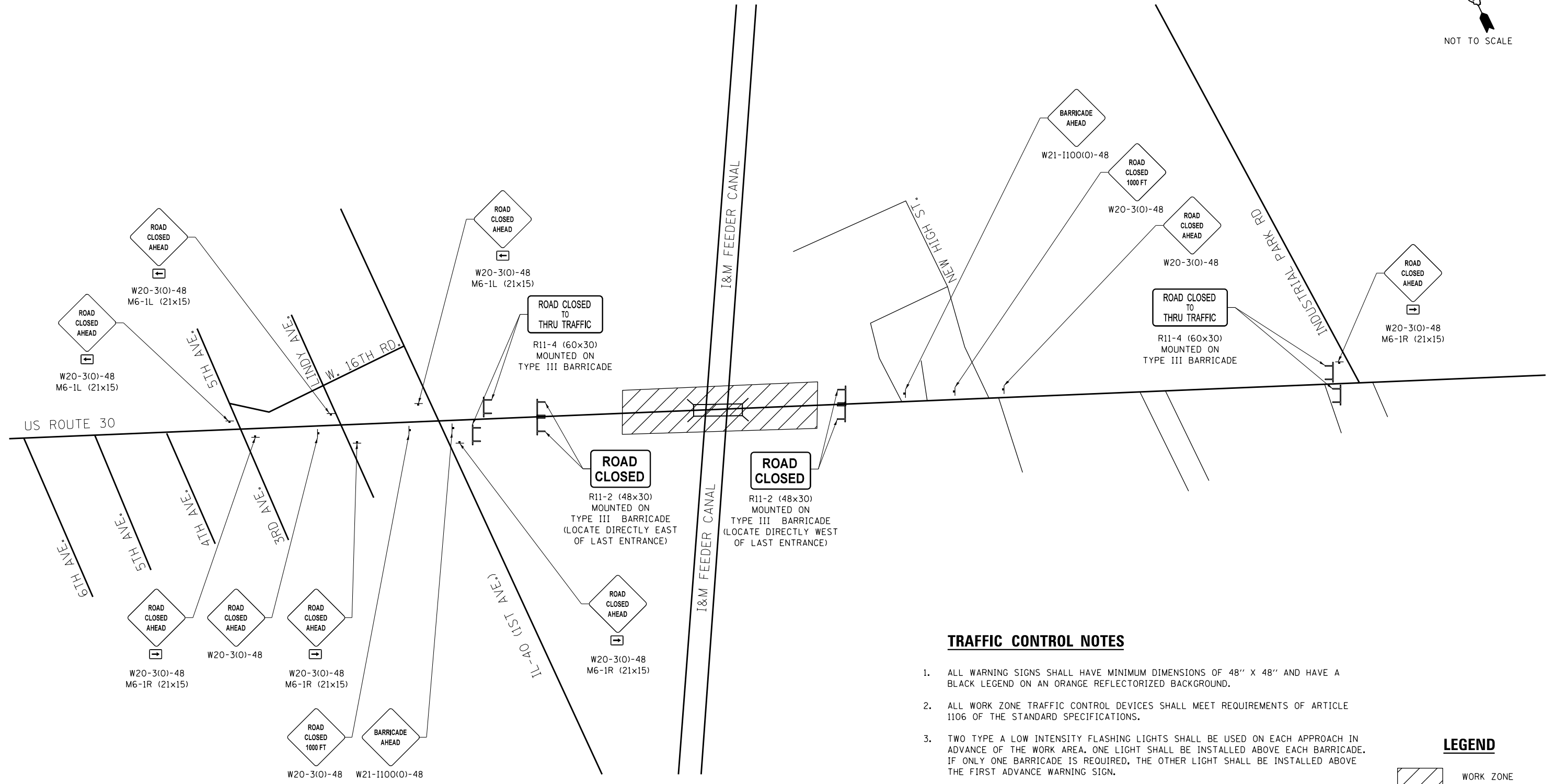
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|---|-------------------|-----------|
| USER NAME = FNelson | DESIGNED - FBN | REVISED - |
| FILE NAME = D264L74-sh-t-Staging-DeTour.dgn | DRAWN - EJB | REVISED - |
| PLOT SCALE = 400.0000' / in. | CHECKED - MCV | REVISED - |
| PLOT DATE = 3/2/2020 | DATE - 03/04/2020 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30 DETOUR SIGNS

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 24 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



TRAFFIC CONTROL NOTES

1. ALL WARNING SIGNS SHALL HAVE MINIMUM DIMENSIONS OF 48" X 48" AND HAVE A BLACK LEGEND ON AN ORANGE REFLECTORIZED BACKGROUND.
2. ALL WORK ZONE TRAFFIC CONTROL DEVICES SHALL MEET REQUIREMENTS OF ARTICLE 1106 OF THE STANDARD SPECIFICATIONS.
3. TWO TYPE A LOW INTENSITY FLASHING LIGHTS SHALL BE USED ON EACH APPROACH IN ADVANCE OF THE WORK AREA. ONE LIGHT SHALL BE INSTALLED ABOVE EACH BARRICADE. IF ONLY ONE BARRICADE IS REQUIRED, THE OTHER LIGHT SHALL BE INSTALLED ABOVE THE FIRST ADVANCE WARNING SIGN.
4. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
5. SEE HIGHWAY STANDARD 701901 AND D2 STANDARD 40.1 FOR ADDITIONAL DETAILS.
6. SEE HIGHWAY STANDARDS 701001, 701006, 701011, 701301, AND 701311 FOR ANY WORK TO BE PERFORMED OUTSIDE OF THE CLOSURE DURATION.

LEGEND

- WORK ZONE
- TYPE III BARRICADE
- SIGN

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 14 - US 30 TMA & MOT\CADD\CADD Sheets\264L74-sh-t-Staging-Closure.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt



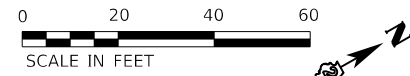
| | | |
|--|-------------------|-----------|
| USER NAME = FNelson | DESIGNED - FBN | REVISED - |
| FILE NAME = D264L74-sh-t-Staging-Closure.dgn | DRAWN - EJB | REVISED - |
| PLOT SCALE = 400.0000' / in. | CHECKED - MCV | REVISED - |
| PLOT DATE = 3/2/2020 | DATE - 03/04/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 30 CLOSURE

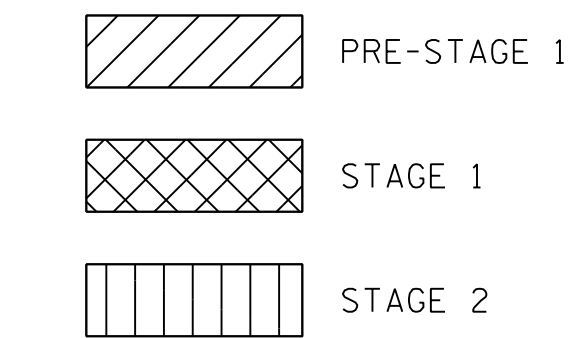
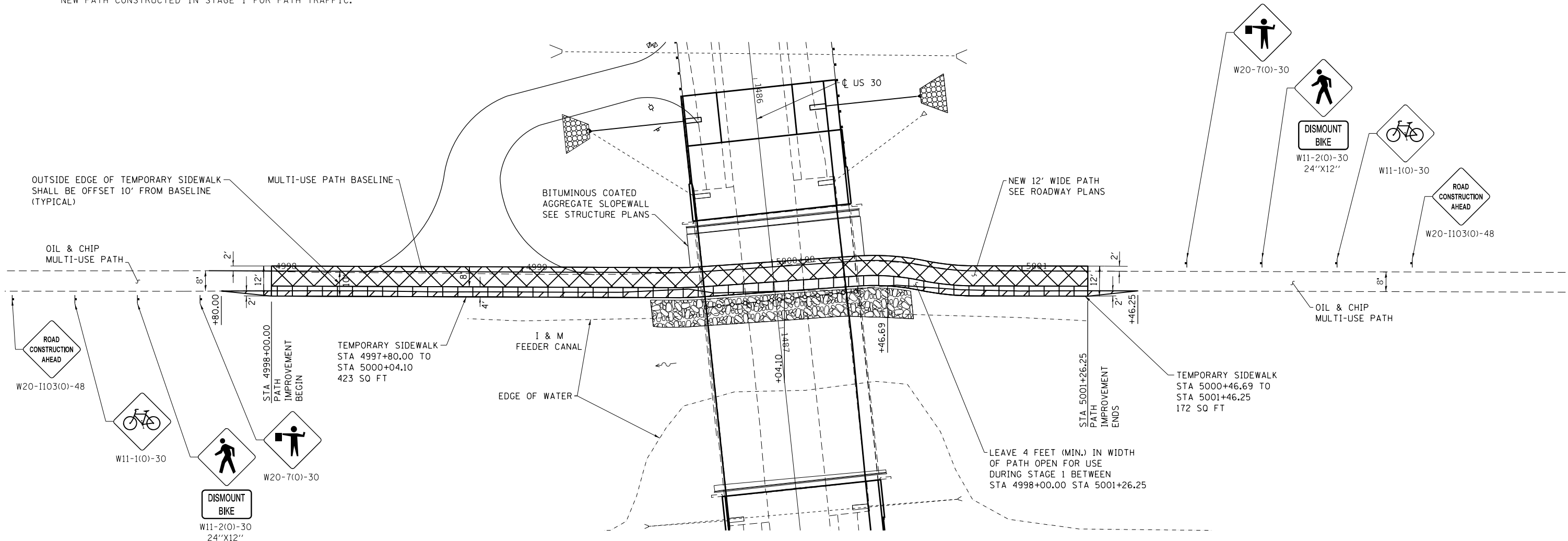
SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

| | | | | |
|---------------------------|--------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 25 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



MULTI-USE PATH STAGING NOTES

1. THE MULTI-USE PATH ALONG THE I&M FEEDER CANAL UNDER US 30 SHALL REMAIN OPEN AT ALL TIMES.
2. TRAFFIC CONTROL SHALL BE ACCORDING TO IDOT HIGHWAY STANDARD 701801 FOR SIDEWALK DIVERSION WITH DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES.
3. PRE-STAGE 1 SHALL CONSIST OF CONSTRUCTING TEMPORARY SIDEWALK AS SHOWN. TEMPORARY SIDEWALK SHALL FILL IN THE AREA BETWEEN THE EXISTING PATH AND AN OFFSET OF 10 FEET FROM THE PROPOSED BASELINE IN ORDER TO PROVIDE A MINIMUM 4 FOOT WIDE PATH TO BE USED DURING STAGE 1.
4. STAGE 1 SHALL CONSIST OF CONSTRUCTING THE WEST PORTION OF THE NEW PATH WHILE LEAVING A MINIMUM OF 4 FEET IN WIDTH OF THE EXISTING PATH AND TEMPORARY SIDEWALK OPEN.
5. STAGE 2 SHALL CONSIST OF CONSTRUCTING THE REMAINING PORTION OF THE NEW PATH AND REMOVING TEMPORARY SIDEWALK WHILE USING THE PORTION OF THE NEW PATH CONSTRUCTED IN STAGE 1 FOR PATH TRAFFIC.
6. FLAGGERS, OR DESIGNATED PERSONNEL, WILL BE REQUIRED ON THE PATH DURING WORKING HOURS TO ASSIST PEDESTRIANS THROUGH THE WORK AREA DURING BRIDGE REMOVAL AND REPLACEMENT WORK OCCURRING OVERHEAD AND OTHER PATH RELATED WORK.
7. DURING NON-WORKING HOURS, THE WORK AREA SHALL BE GRADED, LEVEL, ACCESSIBLE, AND FREE FROM HAZARDS.
8. PEDESTRIAN ACCESS SHALL BE ON A PAVED SURFACE AT ALL TIMES USING EITHER THE EXISTING PATH, NEW PATH, OR TEMPORARY SIDEWALK.
9. A NOMINAL QUANTITY OF TEMPORARY FENCE HAS BEEN INCLUDED IN THE CONTRACT TO BE USED AT THE ENGINEER'S DISCRETION TO PREVENT PEDESTRIANS FROM ENTERING THE WORK AREA DURING CONSTRUCTION NEAR THE PATH.
10. ALL SIGN LOCATIONS AND SPACINGS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.



| | | |
|--|-------------------|-----------|
| USER NAME = FNelson | DESIGNED - FBN | REVISED - |
| FILE NAME = D264L74-sht-Staging-Path.dgn | DRAWN - EJB | REVISED - |
| PLOT SCALE = 40.0000' / in. | CHECKED - MCV | REVISED - |
| PLOT DATE = 3/2/2020 | DATE - 03/04/2020 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MULTI-USE PATH STAGING

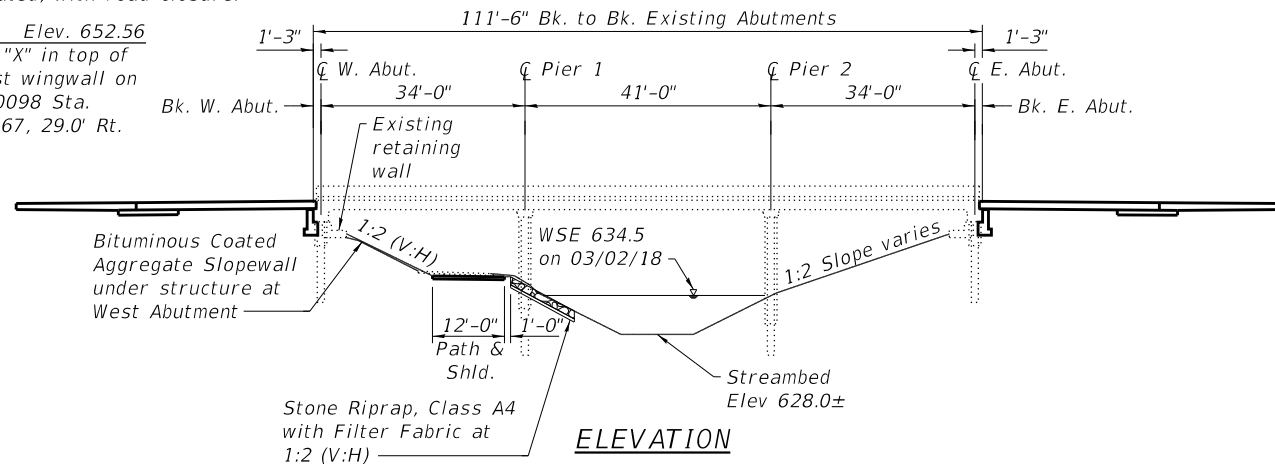
SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

| F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 26 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-I\1\WD 14 - US 30 TMA & MOT\CADD\CADD Sheets\D264L74-sht-Staging-Path.dgn
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 PLOT DRIVER = IDDT_PDF.plt

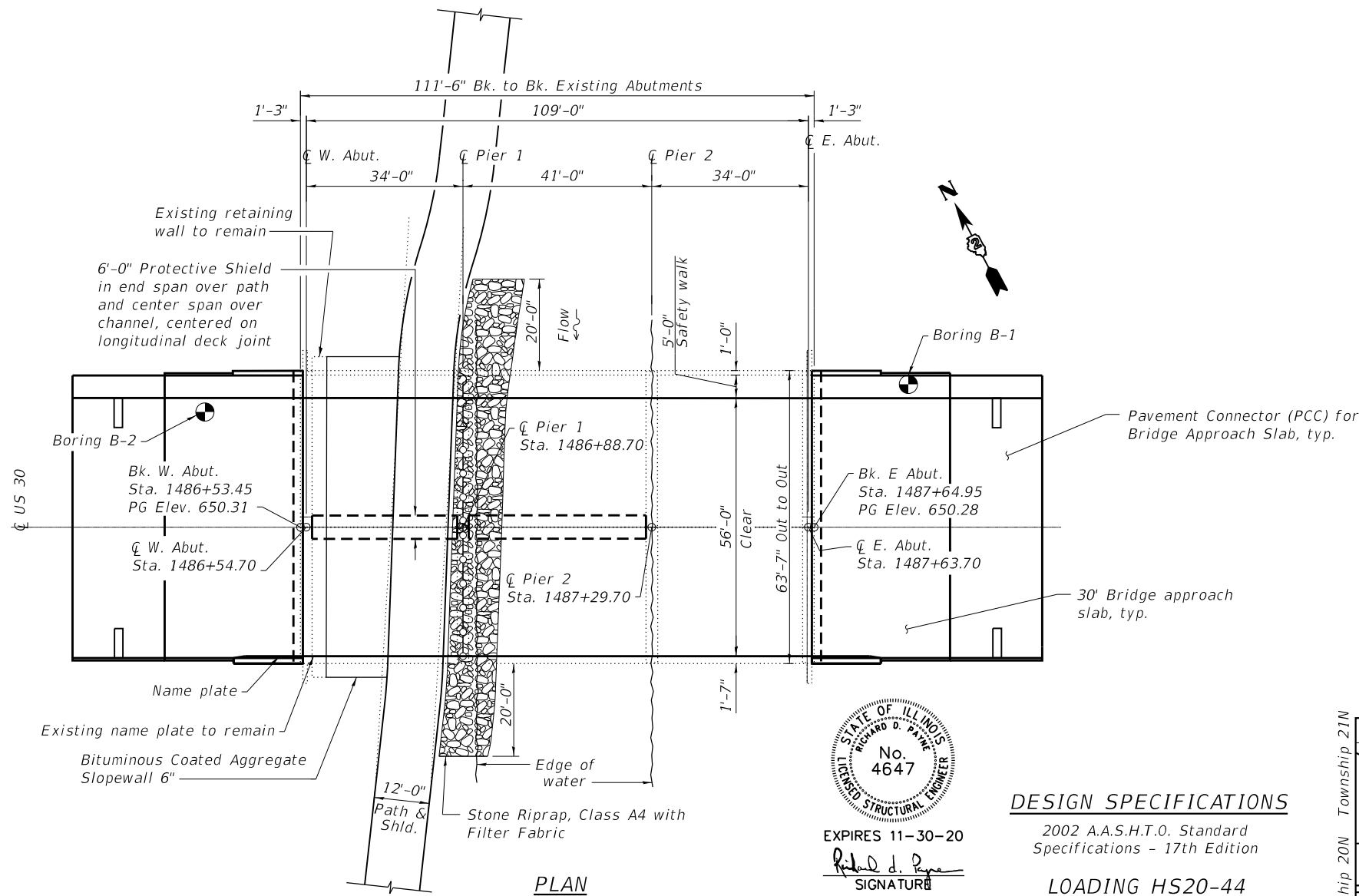
EXISTING STRUCTURE: SN 098-0098 was built in 1990 as FA Route 5564 (US 30), Section 111BR-1. The bridge is a three-span continuous reinforced concrete slab on pile bent abutments and piers. No skew. The bridge is to be rehabilitated, with road closure.

BM 401 Elev. 652.56
Chiseled "X" in top of southwest wingwall on SN 098-0098 Sta. 1486+56.67, 29.0' Rt.



STATION 1487+09.20
REHABILITATION 20_ BY
STATE OF ILLINOIS
F.A.U. RT. 5564 SEC. (111BR-1)BDR
LOADING HS20
STR. NO. 098-0098

NAME PLATE
See Std. 515001



EXPIRES 11-30-20

SIGNATURE

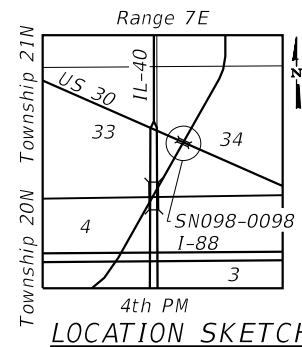
03-04-20
DATE

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O. Standard Specifications - 17th Edition

LOADING HS20-44

No Future Wearing Surface Allowed.



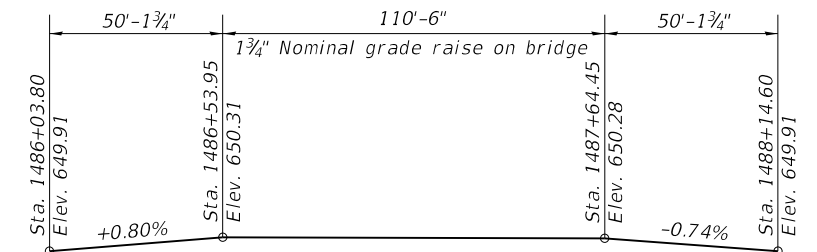
TOTAL BILL OF MATERIAL - BRIDGE

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|---------|-------|------|-------|
| Stone Riprap, Class A4 | Sq. Yd. | - | 142 | 142 |
| Filter Fabric | Sq. Yd. | - | 142 | 142 |
| Concrete Removal | Cu. Yd. | 30.7 | - | 30.7 |
| Protective Shield | Sq. Yd. | 47 | - | 47 |
| Structure Excavation | Cu. Yd. | - | 140 | 140 |
| Concrete Structures | Cu. Yd. | - | 68.8 | 68.8 |
| Concrete Superstructure | Cu. Yd. | 33.4 | - | 33.4 |
| Protective Coat | Sq. Yd. | 1140 | - | 1140 |
| Concrete Superstructure (Approach Slab) | Cu. Yd. | 187.2 | - | 187.2 |
| Reinforcement Bars, Epoxy Coated | Pound | 83720 | 2500 | 86220 |
| Bar Splicers | Each | 414 | - | 414 |
| Name Plates | Each | 1 | - | 1 |
| Geocomposite Wall Drain | Sq. Yd. | - | 64 | 64 |
| Bridge Deck Grooving (Longitudinal) | Sq. Yd. | 455 | - | 455 |
| Granular Backfill for Structures | Cu. Yd. | - | 110 | 110 |
| Bridge Deck Latex Concrete Overlay, 2 1/2" | Sq. Yd. | 688 | - | 688 |
| Bridge Deck Scarification, 3/4" | Sq. Yd. | 688 | - | 688 |
| Structural Repair of Concrete (Depth Equal to or Less than 5 inches) | Sq. Ft. | - | 30 | 30 |
| Diamond Grinding (Bridge Section) | Sq. Yd. | 1221 | - | 1221 |
| Pipe Underdrains for Structures 4" | Foot | - | 162 | 162 |
| Bituminous Coated Aggregate Slopewall 6" | Sq. Yd. | - | 125 | 125 |

* Deck and approach slab surfaces only

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- Synthetic fibers shall be added to the Bridge Deck Latex Concrete Overlay, see Special Provisions.
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- Up to 1/4" may be ground off the concrete overlay, the bridge approach slabs, and the pavement connectors.
- Structural Repair of Concrete to be used as necessary as directed by the Engineer.



US 30 PROFILE GRADE
(Along Q roadway prior to grinding)

GENERAL PLAN & ELEVATION
US 30 OVER I&M FEEDER CANAL
FAU ROUTE 5564 SECTION (111BR-1)BDR
WHITESIDE COUNTY
STATION 1487+09.20
STRUCTURE NO. 098-0098

PRINT DRIVER = WLTURNS
SCALE = 1/4" = 1'-0"
DATE = 4/27/2020



| | | |
|--------------------------|-----------------------|-----------|
| USER NAME = kah | DESIGNED - RDP 05/18 | REVISIONS |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISIONS |
| PLOT SCALE = 0:2 " / in. | DRAWN - JPC/SMA 11/19 | REVISIONS |
| PLOT DATE = 4/27/2020 | CHECKED - ELH 02/20 | REVISIONS |

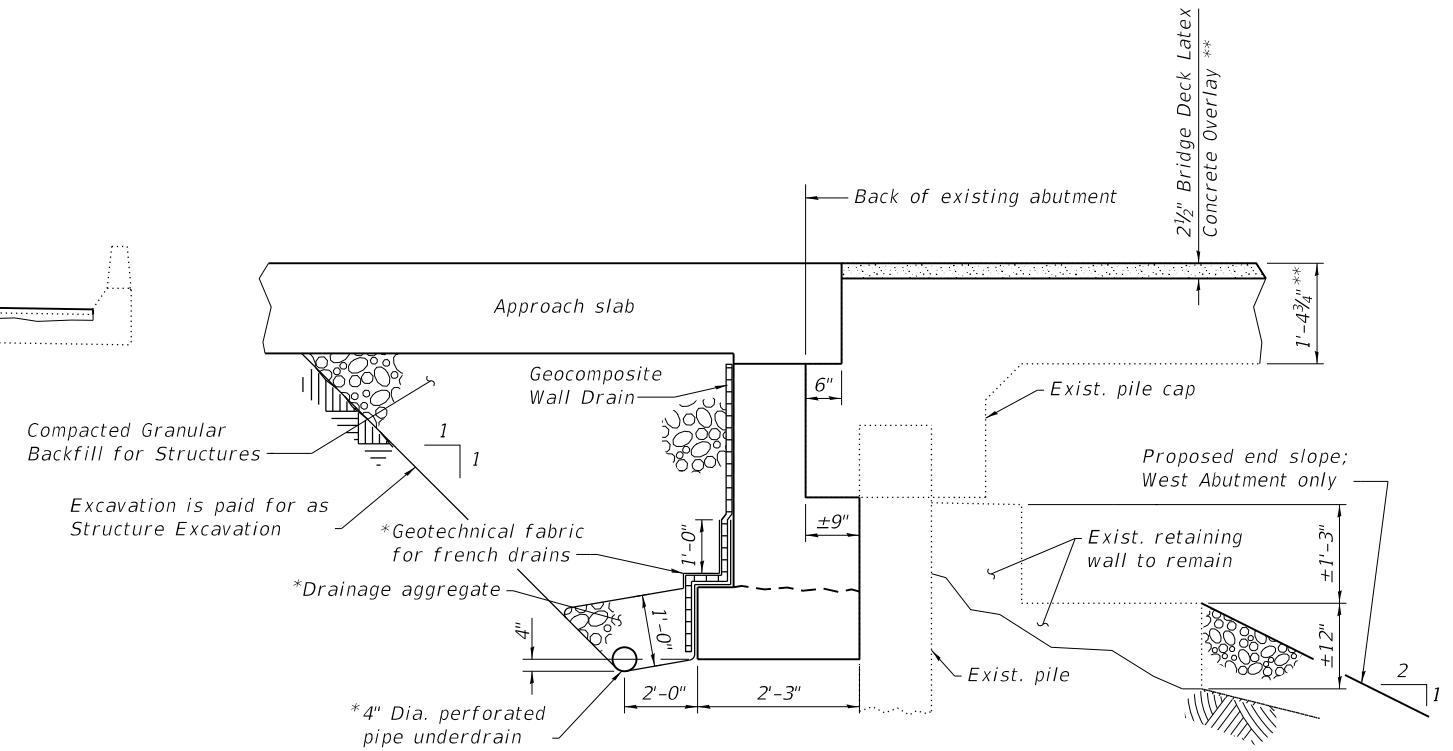
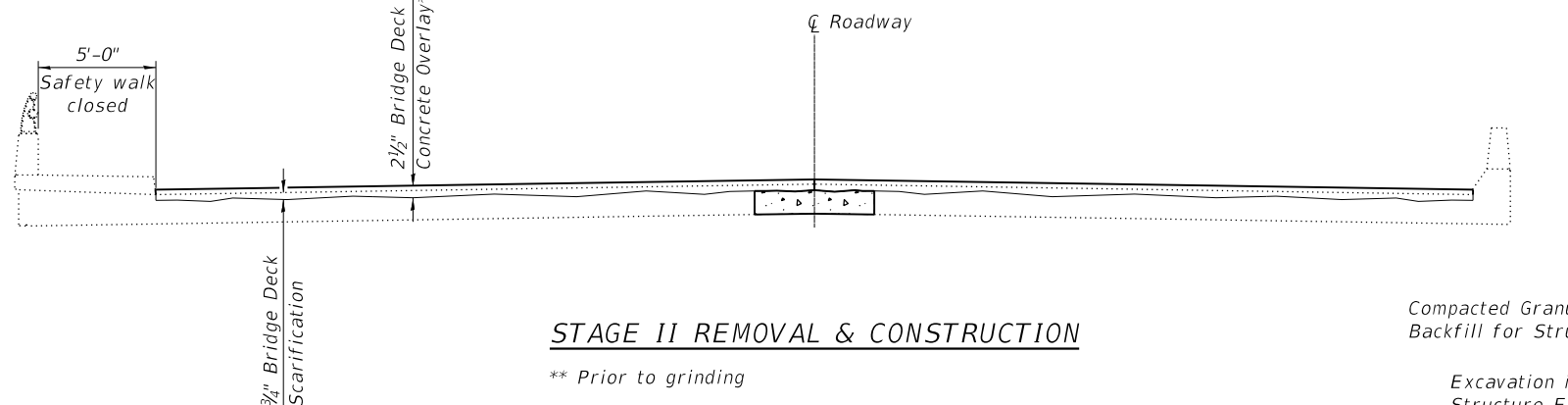
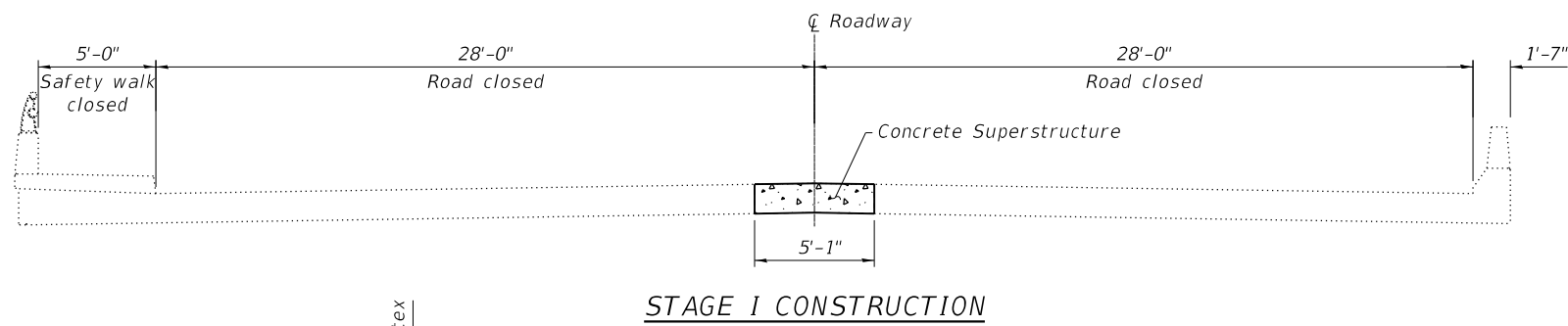
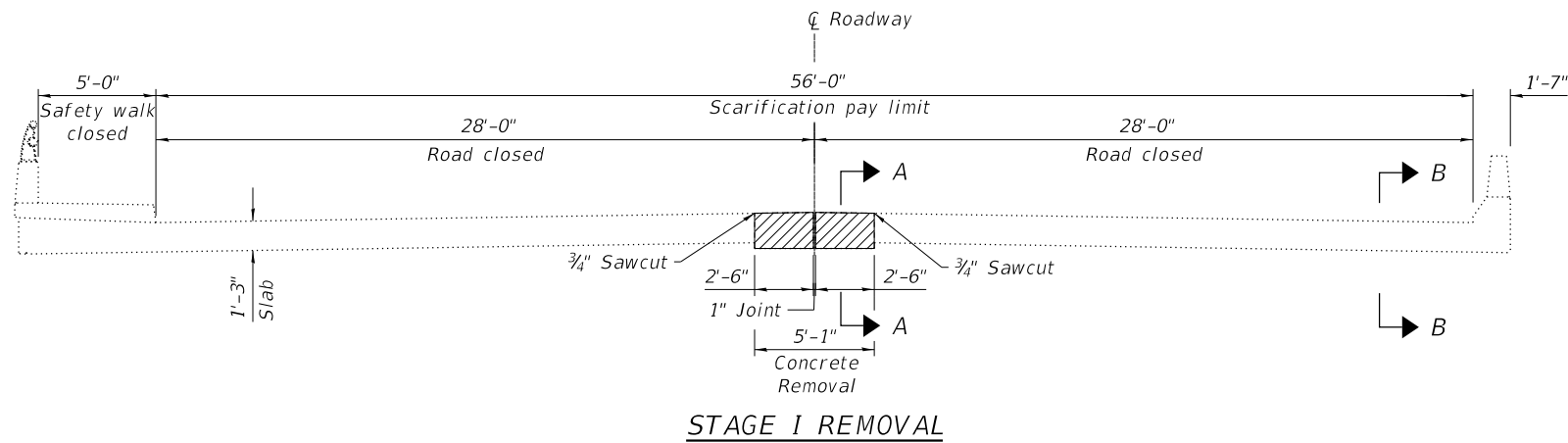
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 27 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STAGE CONSTRUCTION NOTES

1. All staging sections looking east.
2. Hatched areas indicate removal.
3. See Sheet 3 of 11 for Sections A-A and B-B.



Note:
All drainage system components shall extend to 2'-0" beyond the end of each abutment. Except an outlet pipe shall extend until intersecting with side slopes. The pipes shall drain into concrete headwalls, see Article 601.05 of the Standard Specifications and Highway Standard 601101.

* Included in the price of Pipe Underdrains for Structures, see Special Provisions.

PRINT DRIVER = #BLTN#
 PLOT DATE = 3/5/2020 1:49:07 PM
 PLOT SCALE = 0.2" = 1'-0"
 PLOT SHEET = 2 OF 11



| | | |
|---------------------------|-----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0.2" = 1'-0" | DRAWN - JPC/SMA 11/19 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - ELH 11/19 | REVISED - |

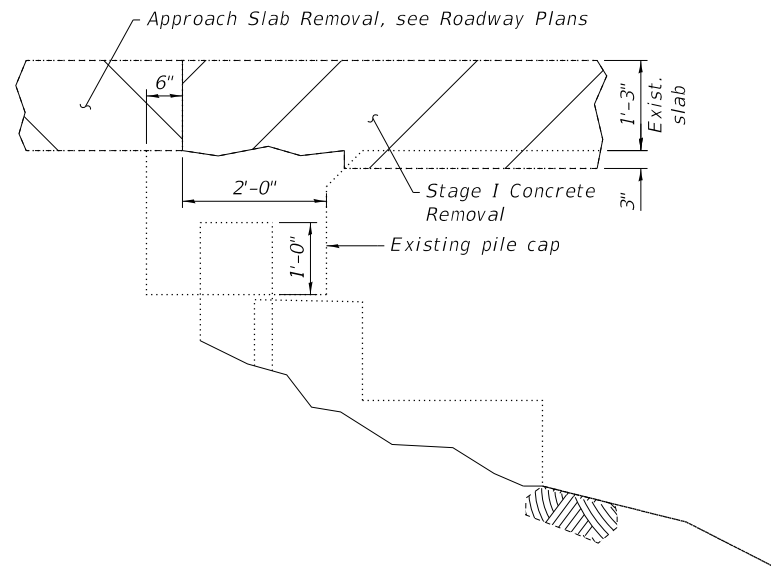
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 098-0098**

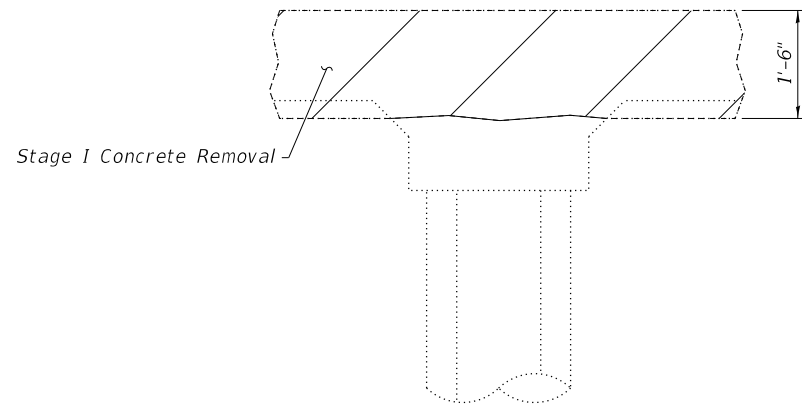
SHEET 2 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 28 |
| CONTRACT NO. 64L74 | | | | |

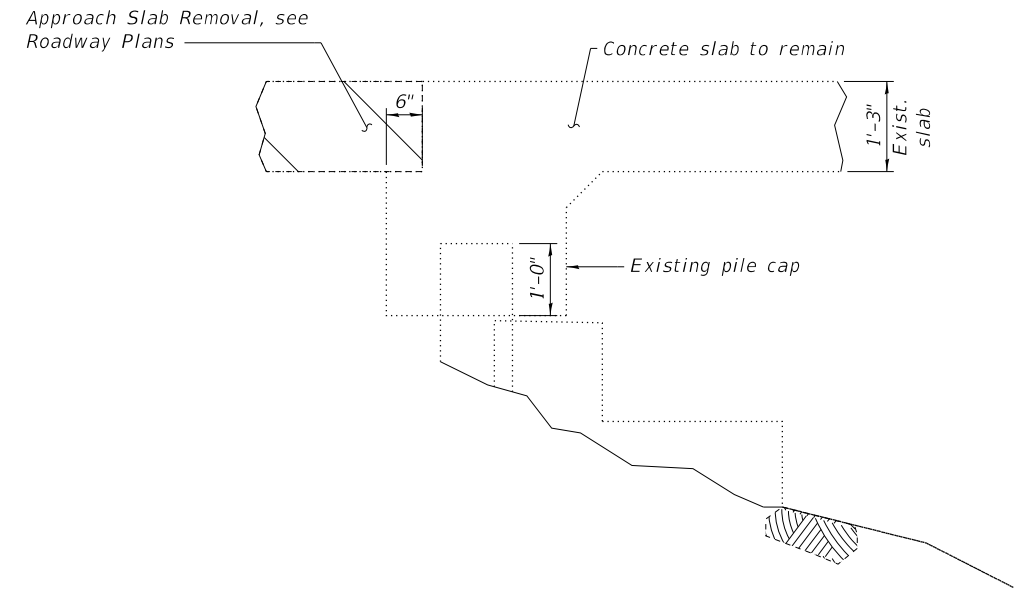
ILLINOIS FED. AID PROJECT



SECTION A-A
(At Abutment)



SECTION A-A
(At Pier)



SECTION B-B
(At Abutment)

NOTES:

1. See Sheet No. 4 of 11 for Deck Plan View and bill of material.
2. Hatched areas indicate concrete sections to be removed. Perimeters of concrete removal areas shall be saw cut $\frac{3}{4}$ " prior to the removal of the concrete. Existing transverse reinforcement shall be cleaned, straightened and incorporated into the new construction.
3. See Sheet No. 2 of 11 for locations of sections.



| | | |
|-----------------------------|-----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0:2 1/4" / in. | DRAWN - JPC/SMA 11/19 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - ELH 11/19 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE REMOVAL SECTIONS
STRUCTURE NO. 098-0098**

SHEET 3 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 29 |
| | | | CONTRACT NO. 64L74 | |

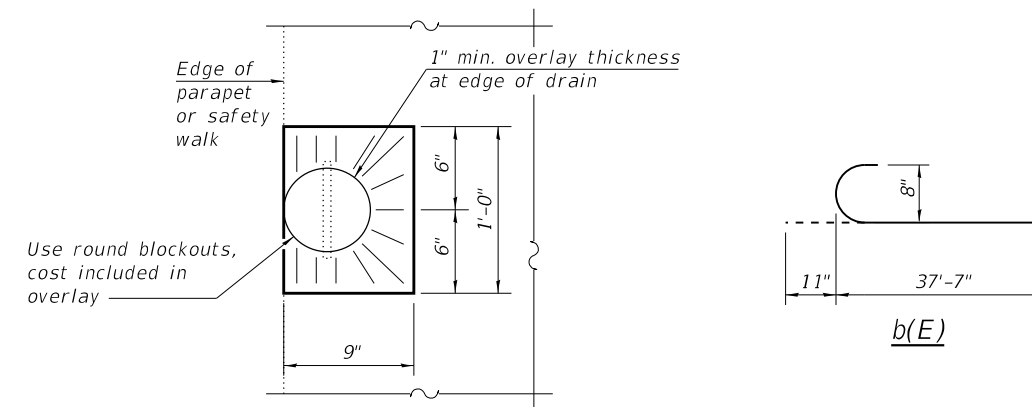
ILLINOIS FED. AID PROJECT

**SUPERSTRUCTURE
BILL OF MATERIAL**

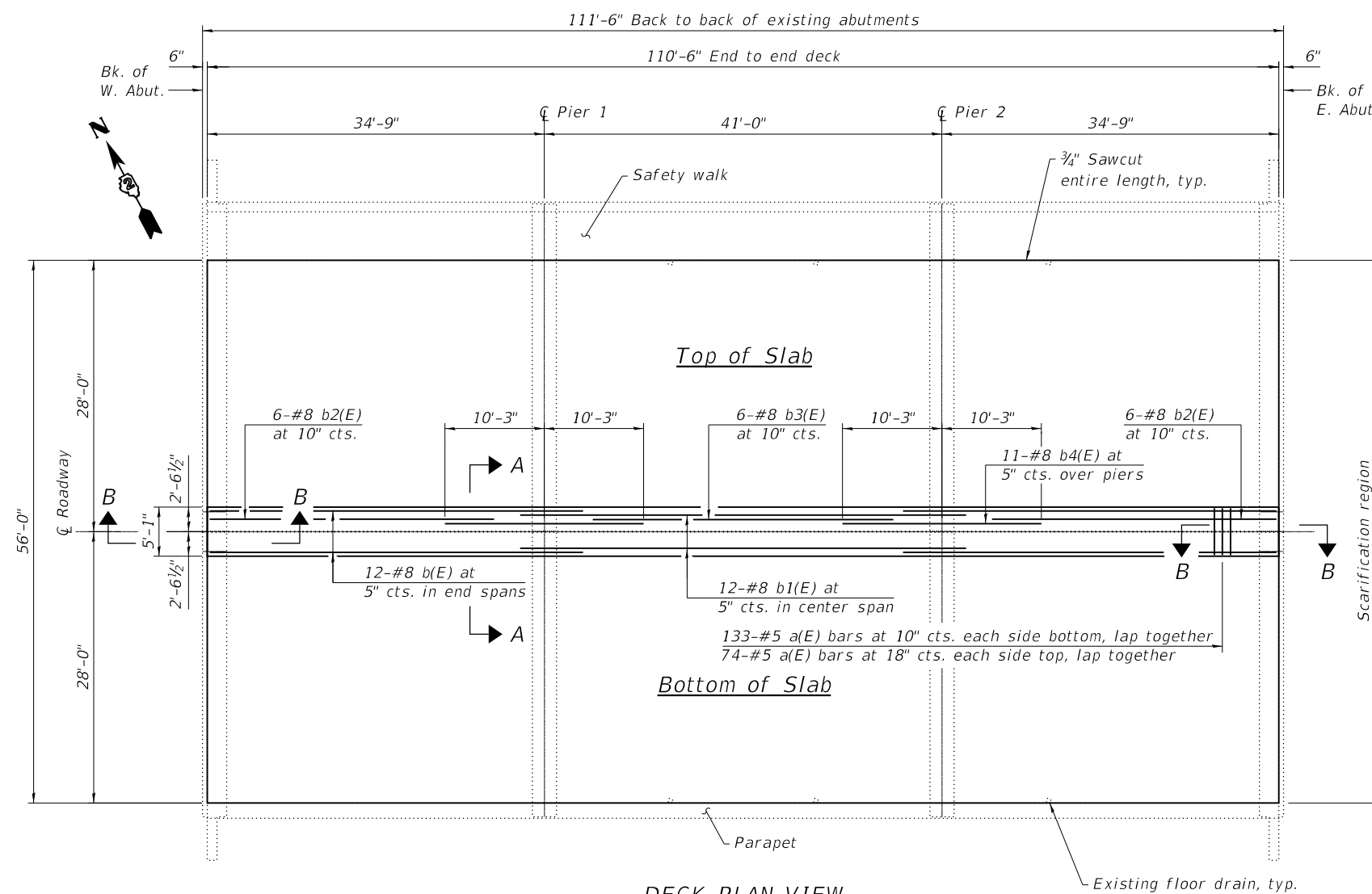
| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|---------|-------|
| a(E) | 414 | #5 | 4'-0" | — |
| b(E) | 24 | #8 | 38'-6" | C |
| b1(E) | 12 | #8 | 46'-0" | — |
| b2(E) | 12 | #8 | 29'-4" | — |
| b3(E) | 6 | #8 | 31'-0" | — |
| b4(E) | 22 | #8 | 20'-6" | — |
| Reinforcement Bars, Epoxy Coated | | | Lbs. | 8310 |
| Concrete Superstructure | | | Cu. Yd. | 26.0 |

MINIMUM LAP LENGTH

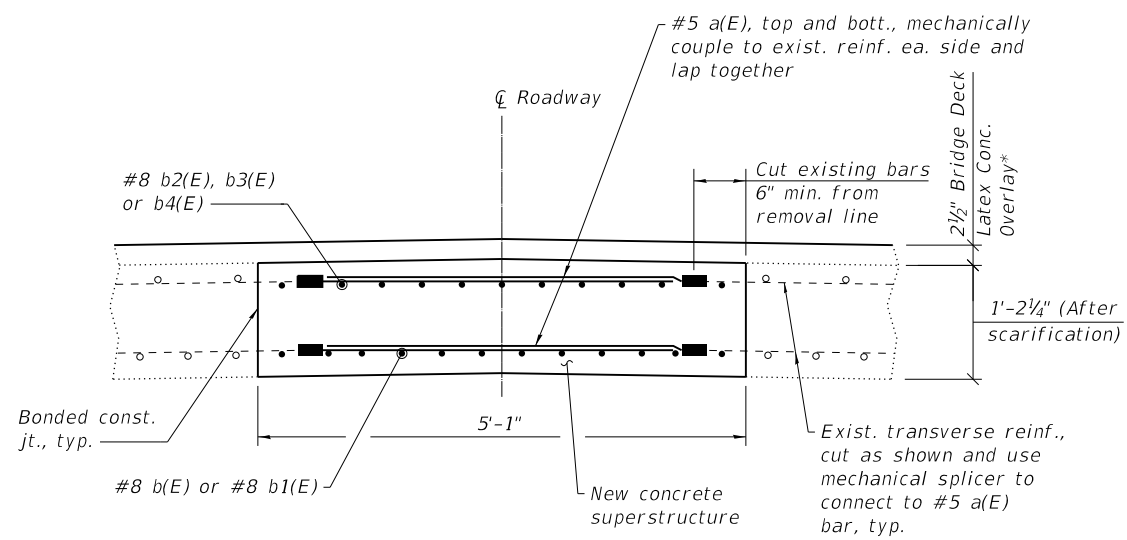
#8 bars 5'-0"



OVERLAY TREATMENT AT DRAINS

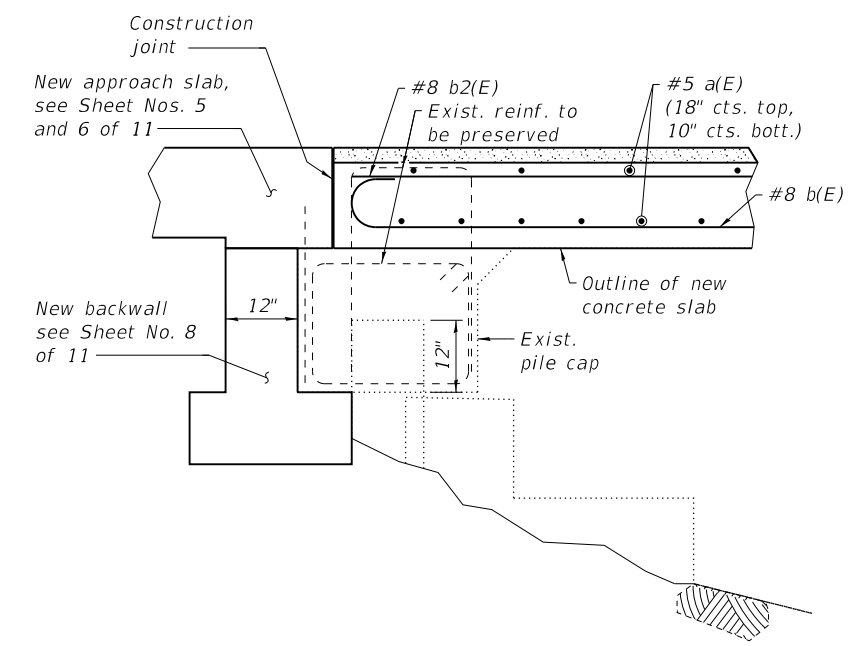


DECK PLAN VIEW



SECTION A-A

* Prior to grinding



SECTION B-B

PRINT DRIVER = #PLTW03
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 PLOT NAME = \\P01\098-04174-04-SP-01.dwg
 PLOT NUMBER = 098-04174-04-SP-01.dwg



| | | |
|--------------------------|-----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0.2" / in. | DRAWN - JPC/SMA 11/19 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - ELH 11/19 | REVISED - |

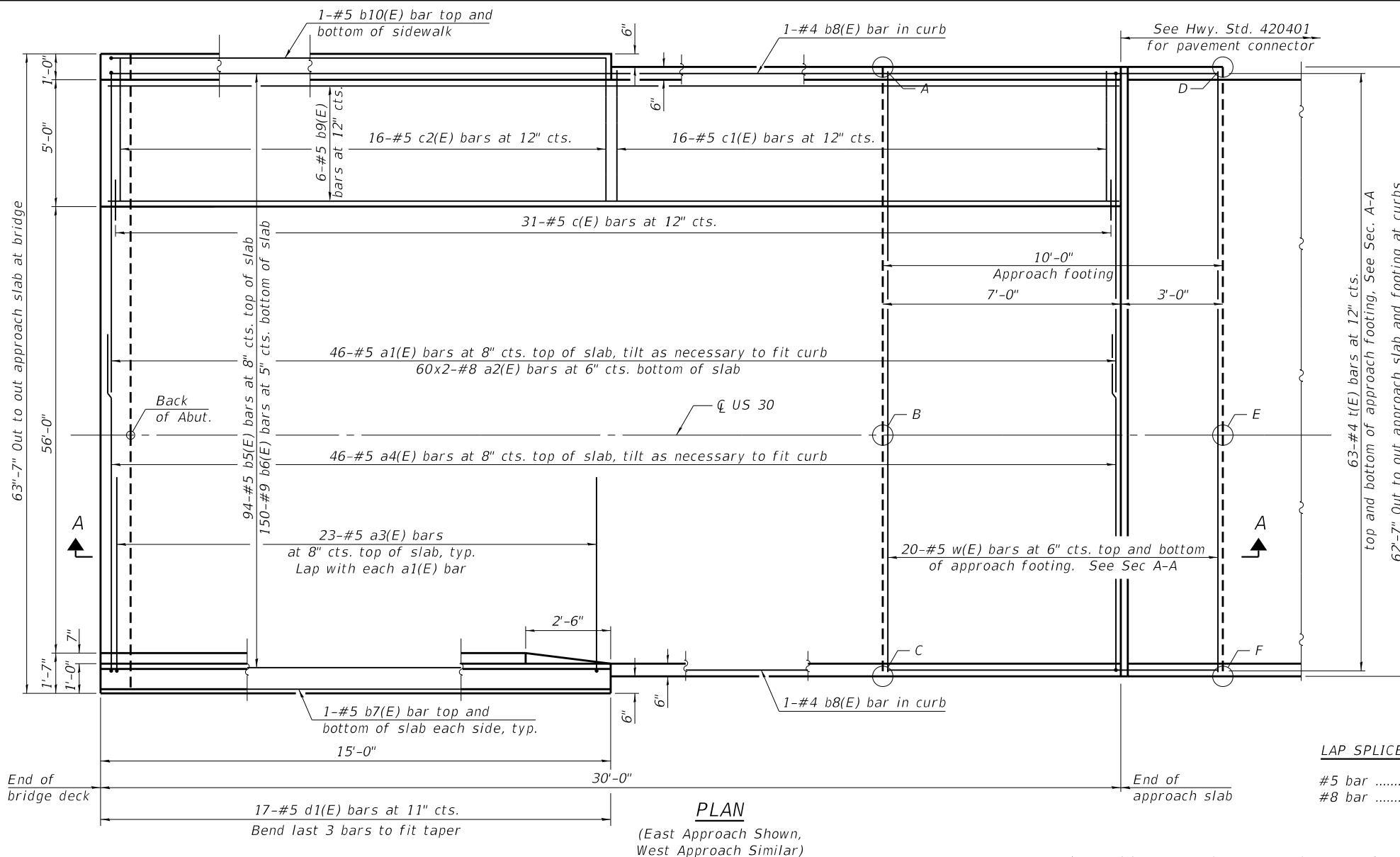
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO. 098-0098**

SHEET 4 OF 11 SHEETS

| | | | | |
|--------------------|----------------------|------------------|-----------------|--------------|
| F.A.U. RTE. 5564 | SECTION (111BR-1)BDR | COUNTY WHITESIDE | TOTAL SHEETS 61 | SHEET NO. 30 |
| CONTRACT NO. 64L74 | | | | |

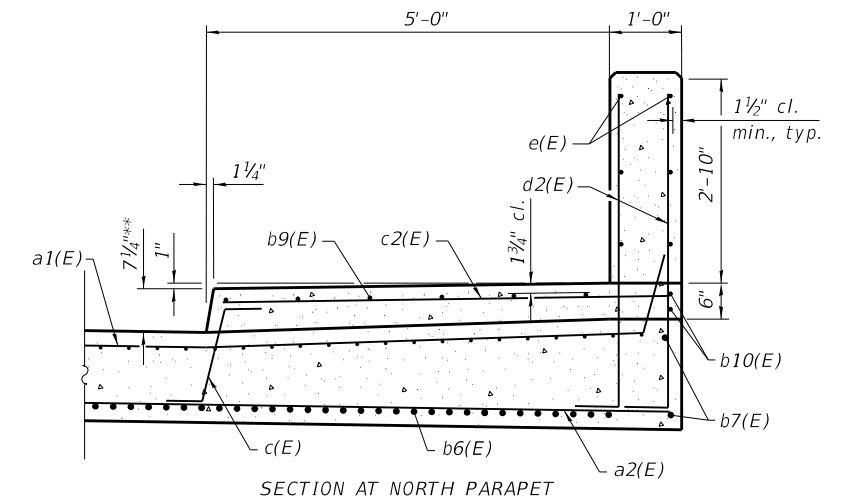
ILLINOIS FED. AID PROJECT



NOTES:
See Sheet No. 6 of 11 for Section A-A, additional details, and Bill of Material.

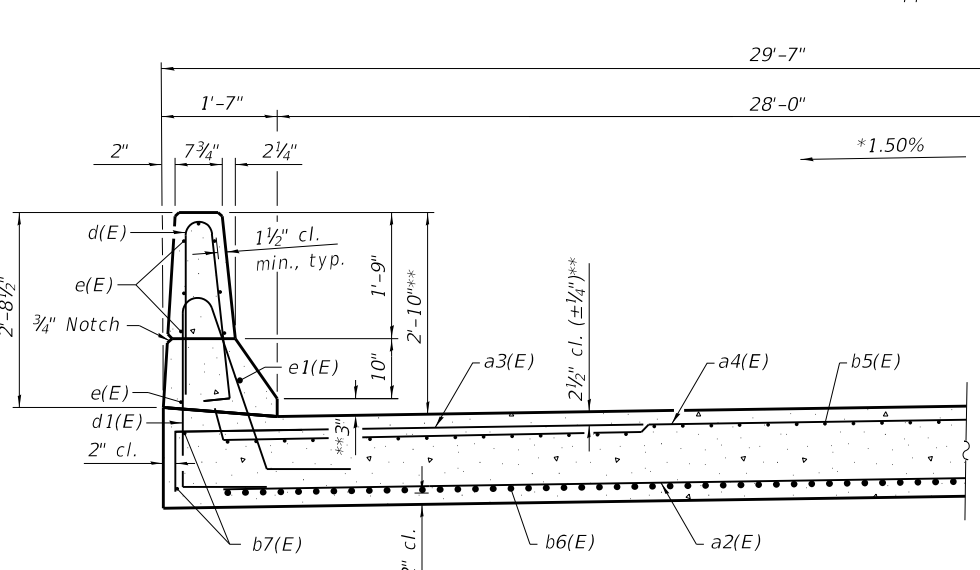
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

| Point | West Approach | | East Approach | |
|-------|---------------|--------|---------------|--------|
| | Top | Bottom | Top | Bottom |
| A | 648.36 | 647.52 | 648.34 | 647.50 |
| B | 648.86 | 648.03 | 648.84 | 648.01 |
| C | 648.42 | 647.59 | 648.40 | 647.57 |
| D | 648.26 | 647.43 | 648.27 | 647.43 |
| E | 648.77 | 647.94 | 648.77 | 647.94 |
| F | 648.33 | 647.50 | 648.33 | 647.50 |

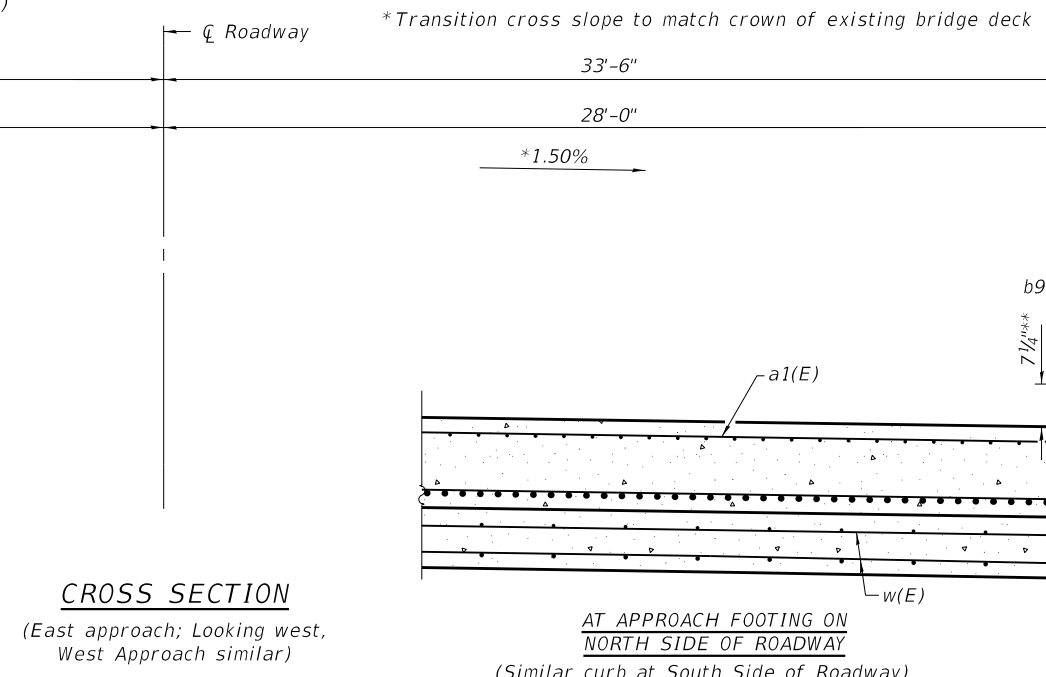


LAP SPLICES
#5 bar 2'-6"
#8 bar 5'-2"

PLAN
(East Approach Shown, West Approach Similar)



NEAR ABUTMENT ON SOUTH SIDE OF ROADWAY



AT APPROACH FOOTING ON NORTH SIDE OF ROADWAY
(Similar curb at South Side of Roadway)

CROSS SECTION
(East approach; Looking west, West Approach similar)

(Sheet 1 of 2)

PRINT DRIVER: W. LUTWIS
 SCALE: 1/4" = 1'-0"
 DATE: 3/6/2020



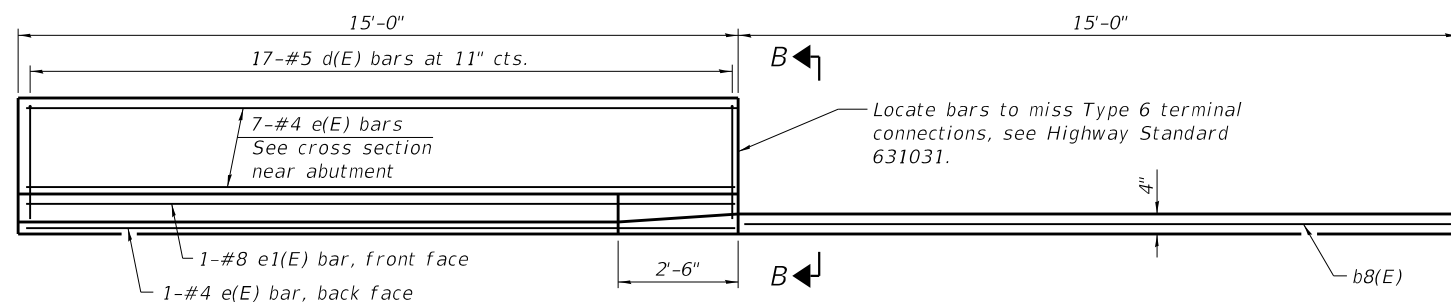
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|--------------------------|-----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0.2" / 1' | DRAWN - JPC/SMA 02/20 | REVISED - |
| PLOT DATE = 3/6/2020 | CHECKED - ELH 02/20 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

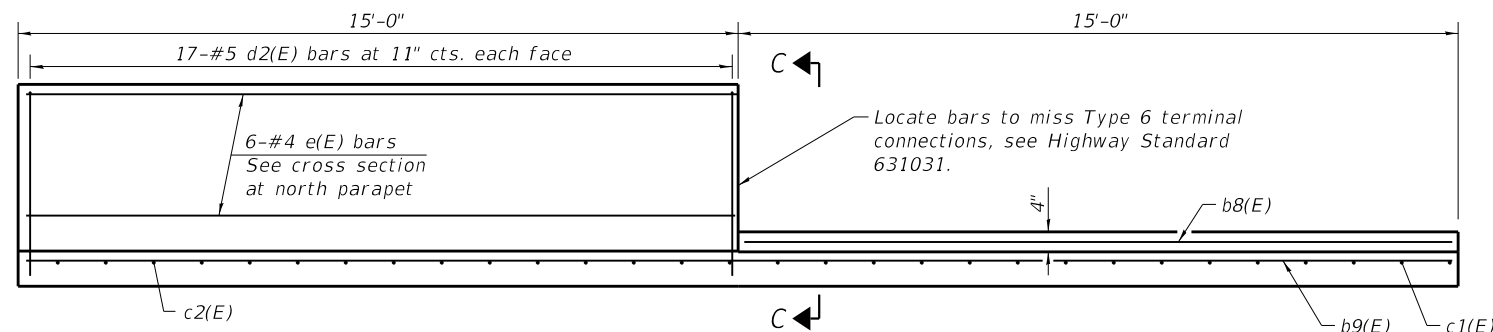
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 098-0098

SHEET 5 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 31 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

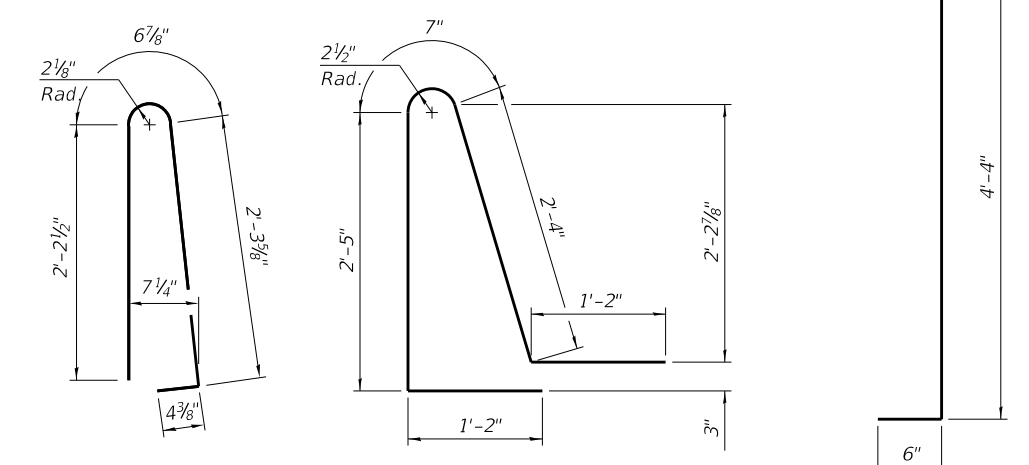


INSIDE ELEVATION OF SOUTH PARAPET AND CURB



INSIDE ELEVATION OF NORTH PARAPET AND CURB

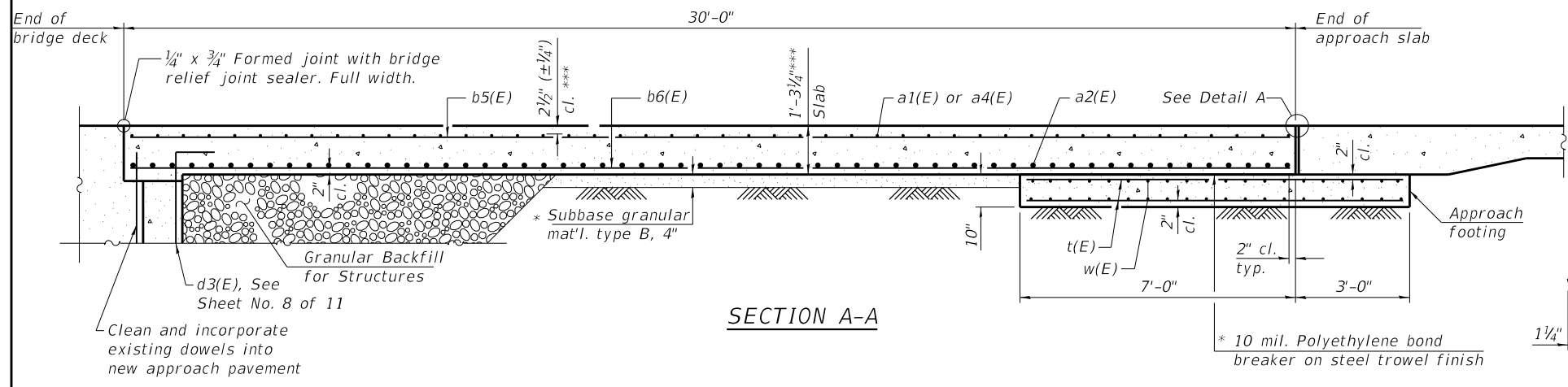
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab, safety walk, and curbs shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see Sheet No. 2 of 11.



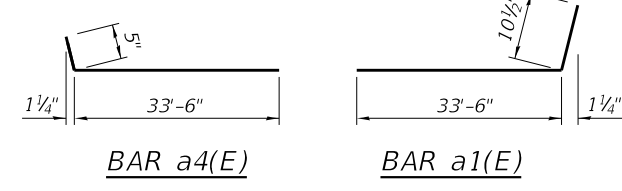
BAR d(E)

BAR d1(E)

BAR d2(E)



SECTION A-A

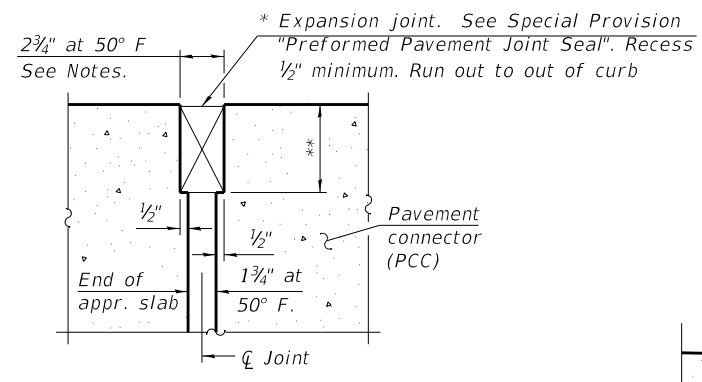


BAR a4(E)

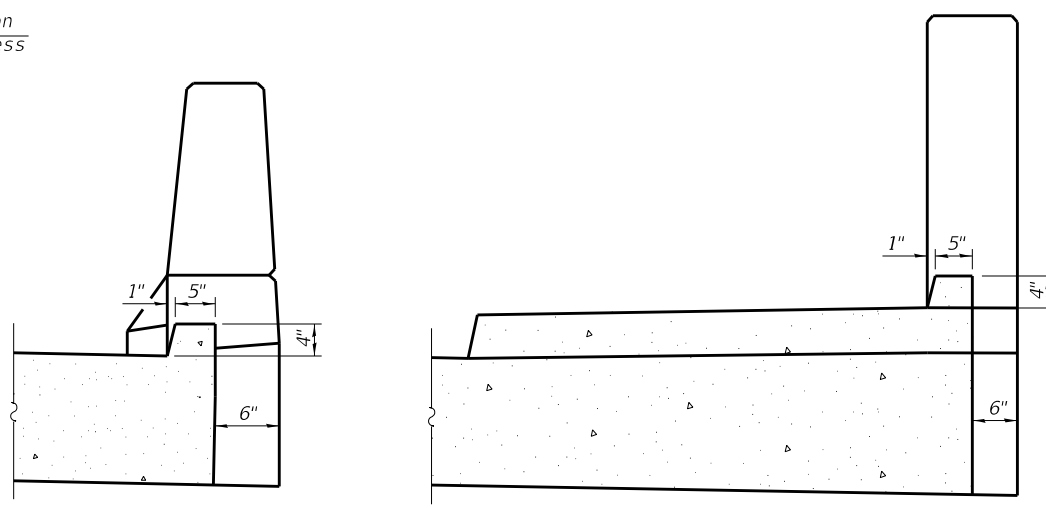
BAR a1(E)

TWO APPROACHES
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|-----|---------|---------|-------|
| a1(E) | 92 | #5 | 34'-5" | ┌───┐ |
| a2(E) | 240 | #8 | 36'-2" | ┌───┐ |
| a3(E) | 46 | #5 | 7'-4" | ┌───┐ |
| a4(E) | 92 | #5 | 33'-11" | ┌───┐ |
| b5(E) | 188 | #5 | 29'-8" | ┌───┐ |
| b6(E) | 300 | #9 | 29'-8" | ┌───┐ |
| b7(E) | 8 | #5 | 14'-8" | ┌───┐ |
| b8(E) | 4 | #4 | 14'-8" | ┌───┐ |
| b9(E) | 12 | #5 | 29'-8" | ┌───┐ |
| b10(E) | 4 | #5 | 14'-8" | ┌───┐ |
| c(E) | 62 | #5 | 2'-10" | ┌──┐ |
| c1(E) | 32 | #5 | 5'-1" | ┌──┐ |
| c2(E) | 32 | #5 | 5'-7" | ┌──┐ |
| d(E) | 34 | #5 | 5'-5" | ┌┐ |
| d1(E) | 34 | #5 | 7'-8" | ┌┐ |
| d2(E) | 68 | #6 | 4'-10" | ┌┐ |
| e(E) | 28 | #4 | 14'-8" | ┌──┐ |
| e1(E) | 2 | #8 | 14'-8" | ┌──┐ |
| t(E) | 252 | #4 | 9'-8" | ┌──┐ |
| w(E) | 80 | #5 | 62'-0" | ┌──┐ |
| Concrete Superstructure | | Cu. Yd. | 7.4 | |
| Concrete Superstructure (Approach Slab) | | Cu. Yd. | 187.2 | |
| Concrete Structures | | Cu. Yd. | 38.6 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 75410 | |

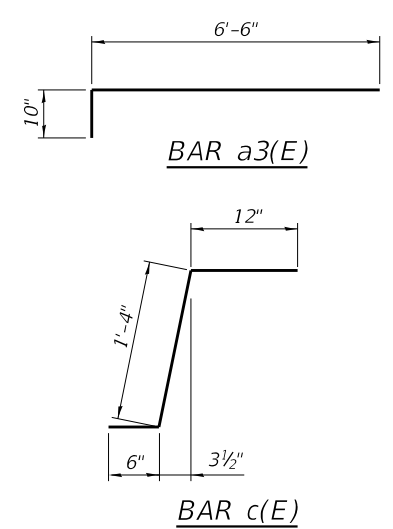


DETAIL A



VIEW B-B

VIEW C-C



BAR a3(E)

BAR c(E)

* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations
 *** Prior to grinding

(Sheet 2 of 2)



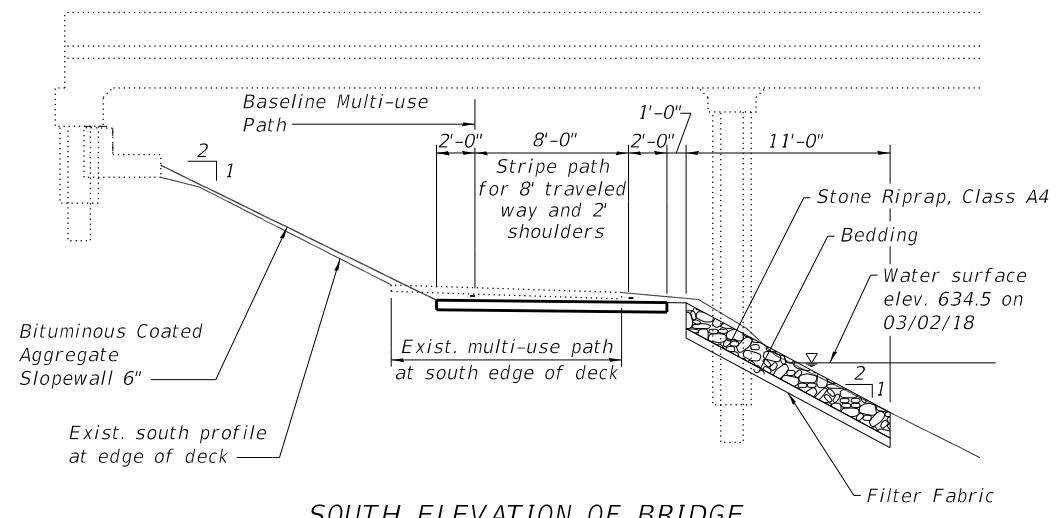
| | | |
|-------------------------------|-----------------------|----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISD - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISD - |
| PLOT SCALE = 0:2 " = 1' / in. | DRAWN - JPC/SMA 02/20 | REVISD - |
| PLOT DATE = 3/6/2020 | CHECKED - ELH 02/20 | REVISD - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

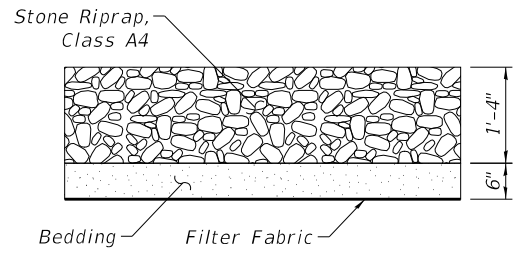
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 098-0098

SHEET 6 OF 11 SHEETS

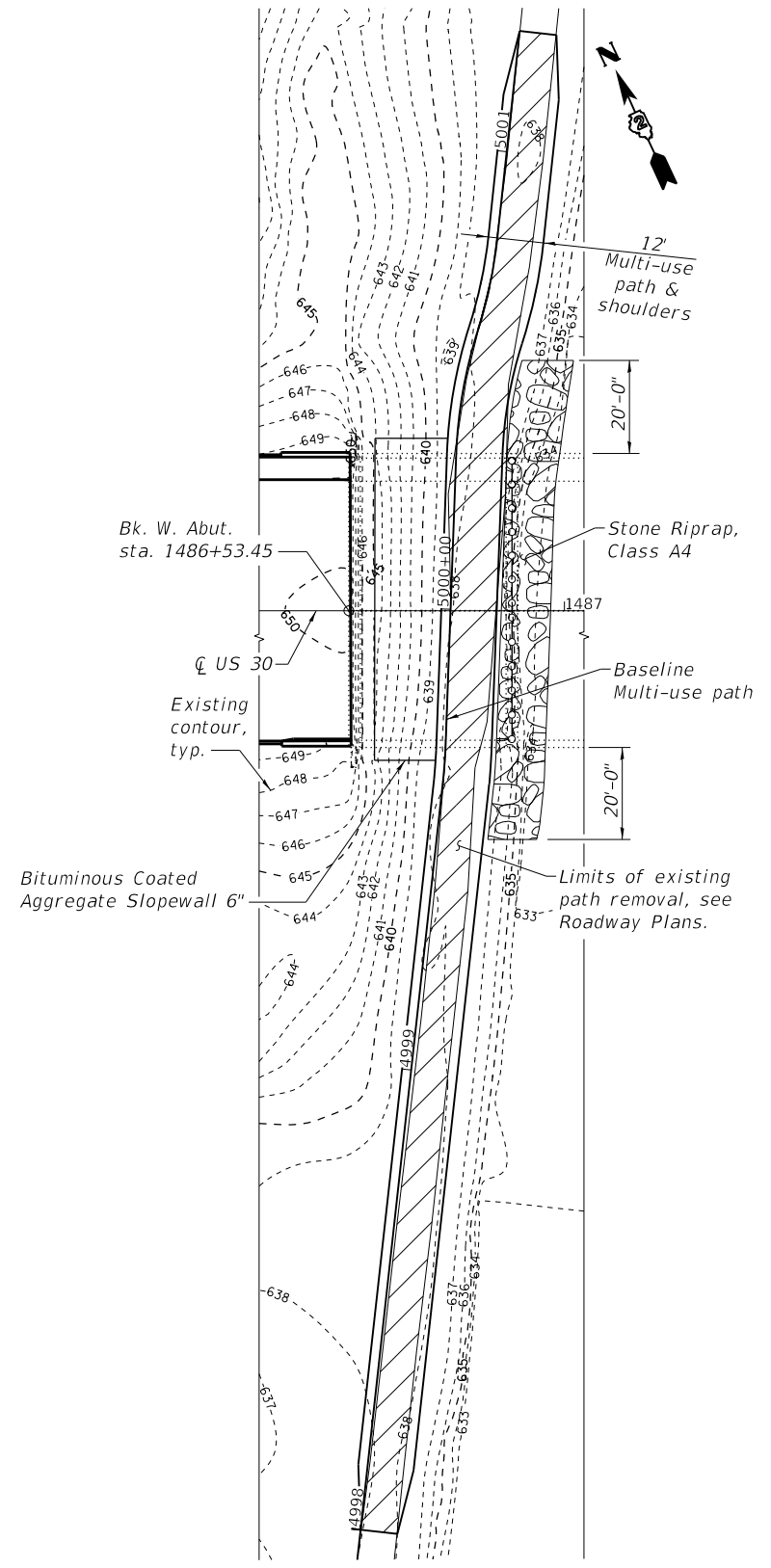
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 32 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



**SOUTH ELEVATION OF BRIDGE
AT MULTI-USE PATH**



TYP. SECTION THRU RIPRAP



PLAN
Scale: 1"=20'-0"
(Showing Existing Contours)

PRINT DRIVER = W. LUTWINE
 PLOT DATE = 3/5/2020 1:49:12 PM
 PLOT SCALE = 0.2" / in.
 PLOT NAME = 098-099-64L74-07-MEP.dwg



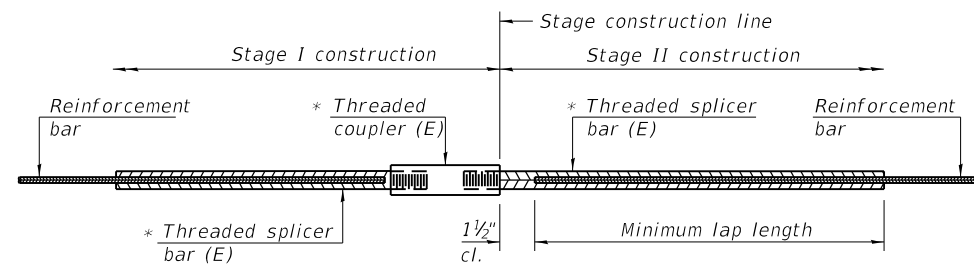
| | | |
|--------------------------|-----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0.2" / in. | DRAWN - JPC/SMA 02/20 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - ELH 02/20 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-USE PATH & PIER PROTECTION
STRUCTURE NO. 098-099**

SHEET 7 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 33 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

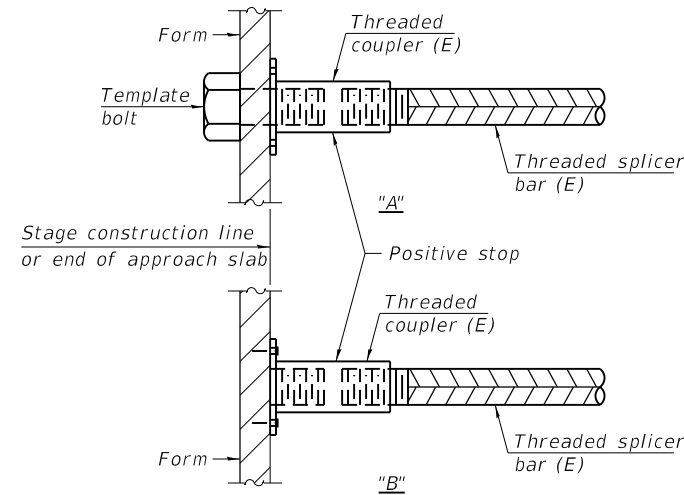


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

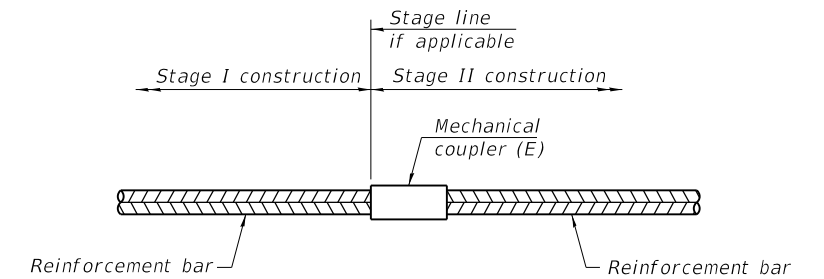
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Minimum lap length |
|----------|----------|-------------------------|--------------------|
| | | | |
| | | | |
| | | | |
| | | | |



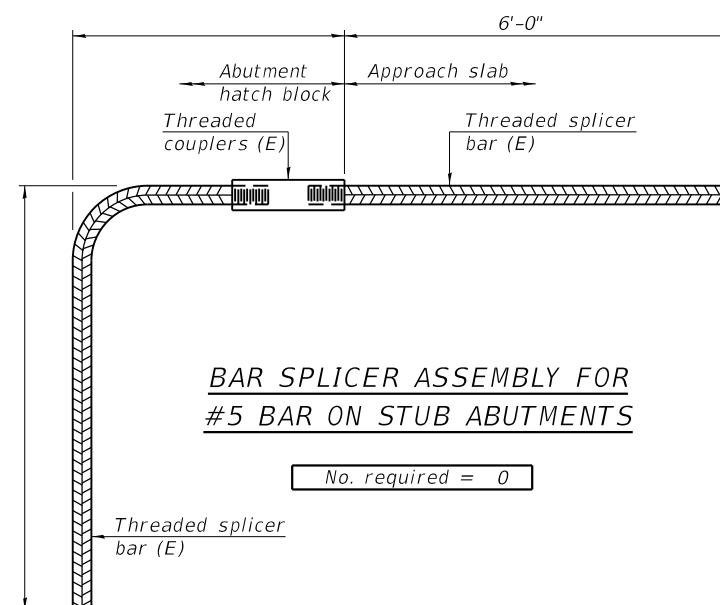
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|------------------|----------|-------------------------|
| Center of Bridge | #5 | 414 |
| | | |
| | | |
| | | |



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 0

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

PRINT DRIVER = #PLTWRS
 PLOT DATE = 3/5/2020 1:49:14 PM
 PLOT SCALE = 0.25" = 1'-0"
 PLOT SIZE = 11x17
 PLOT FILE = 098-0098-047.dwg
 PLOT DEVICE = HP DesignJet 4440

BSD-1 2-17-2017



| | | |
|--------------------------|----------------------|-----------|
| USER NAME = sma | DESIGNED - SMA 04/19 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - ELH 04/19 | REVISED - |
| PLOT SCALE = 0.25" / in. | DRAWN - SMA 02/20 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - ELH 02/20 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 098-0098

SHEET 9 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|-----------|---------------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 35 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |



SOIL BORING LOG

Date 5/2/18

ROUTE FAU 5564 DESCRIPTION D92-095-16 Bridge - US 30 over Hennepin Canal, .3 m. E. of IL 40 LOGGED BY W. Garza
 SECTION (111 BR-1) BDR LOCATION W34 Sterling - Colona Twp, SEC. , TWP. 21N, RNG. 6 - 7E
 COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55

STRUCT. NO. 098-0098 Station 49+83.5
 BORING NO. B-1 Station 50+60 (NW Abut) Offset 31.00ft Lt CL Ground Surface Elev. 99.50 ft

| Latitude Longitude | Northing Easting |
|--------------------|------------------|
|--------------------|------------------|

| DEPTH (ft) | BLOW (blows/6") | UCS (tsf) | MOIST (%) | SOIL DESCRIPTION | DEPTH (ft) | BLOW (blows/6") | UCS (tsf) | MOIST (%) |
|------------|-----------------|-----------|-----------|--|------------|-----------------|-----------|-----------|
| 79.00 | | | 17.0 | LOOSE black SILTY CLAY LOAM | 79.00 | 6 | | |
| 98.00 | 4 | | | STIFF brown SANDY LOAM | 98.00 | 6 | | |
| | 3 | 1.1 | 11.0 | | | 5 | | |
| 96.50 | 3 | P | | STIFF brown SANDY LOAM | 96.50 | 7 | | |
| | | | | | | | | |
| 94.00 | 3 | | 10.0 | STIFF brown SANDY LOAM | 94.00 | 4 | | |
| | 7 | 1.3 | | | | 6 | | |
| | 10 | S | | MEDIUM light gray SANDY GRAVEL | 74.00 | 8 | | |
| | | | | | | | | |
| 91.50 | 0 | | | SOFT light brown dirty SAND | 91.50 | 2 | | |
| | 1 | 0.3 | 12.0 | | | 6 | | |
| | 2 | P | | MEDIUM light gray clean coarse SAND | 71.50 | 9 | | |
| | | | | | | | | |
| 89.00 | 0 | | | VERY SOFT gray SANDY LOAM | 89.00 | 7 | | |
| | 0 | 0.0 | 17.0 | | | 9 | | |
| | 2 | P | | DENSE light gray clean coarse SAND | 69.00 | 24 | | |
| | | | | | | | | |
| 86.50 | 5 | | | STIFF gray SANDY LOAM | 86.50 | 4 | | |
| | 5 | 1.5 | 12.0 | | | 5 | | |
| | 7 | P | | MEDIUM light gray clean coarse SAND | 66.50 | 9 | | |
| | | | | | | | | |
| 84.00 | 2 | | | STIFF dark gray SILTY CLAY LOAM | 84.00 | 7 | | |
| | 3 | 1.7 | 26.0 | | | 12 | | |
| | 5 | B | | Wash MEDIUM light gray clean coarse SAND | 64.00 | 14 | | |
| | | | | | | | | |
| 81.00 | 0 | | | MEDIUM light gray SILTY LOAM | 81.00 | 6 | | |
| | 1 | 0.8 | 25.0 | | | 9 | | |
| | 2 | B | | Wash MEDIUM light gray clean coarse SAND | 61.50 | 15 | | |
| | | | | | | | | |
| | 1 | | | LOOSE/MEDIUM light gray fine SAND | | 4 | | |
| | 4 | | | | | 8 | | |

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, from 137 (Rev. 8-99)



SOIL BORING LOG

Date 5/2/18

ROUTE FAU 5564 DESCRIPTION D92-095-16 Bridge - US 30 over Hennepin Canal, .3 m. E. of IL 40 LOGGED BY W. Garza
 SECTION (111 BR-1) BDR LOCATION W34 Sterling - Colona Twp, SEC. , TWP. 21N, RNG. 6 - 7E
 COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55

STRUCT. NO. 098-0098 Station 49+83.5
 BORING NO. B-1 Station 50+60 (NW Abut) Offset 31.00ft Lt CL Ground Surface Elev. 99.50 ft

| Latitude Longitude | Northing Easting |
|--------------------|------------------|
|--------------------|------------------|

| DEPTH (ft) | BLOW (blows/6") | UCS (tsf) | MOIST (%) | SOIL DESCRIPTION | DEPTH (ft) | BLOW (blows/6") | UCS (tsf) | MOIST (%) |
|------------|-----------------|-----------|-----------|--|------------|-----------------|-----------|-----------|
| 59.00 | 23 | | | No Recovery (continued) | 59.00 | 3 | B | |
| | | | | | | | | |
| | 5 | | | Wash MEDIUM light gray clean coarse SAND | | 4 | 0.5 | 26.0 |
| | 10 | | | | | 6 | | |
| 56.50 | 17 | | | End of Boring | 56.50 | 4 | P | |
| | | | | | | | | |
| | 11 | | | Wash DENSE light gray clean coarse SAND | | | | |
| | 14 | | | | | | | |
| 54.00 | 30 | | | | | | | |
| | | | | | | | | |
| 51.50 | | | | VERY DENSE light gray fine SAND | 51.50 | | | |
| | | | | | | | | |
| 49.00 | 8 | | | | 49.00 | 14 | | |
| | 14 | | | | | 50 | | |
| | 50 | | | | | | | |
| 46.50 | | | | | 46.50 | | | |
| | | | | | | | | |
| | 21 | | | Wash No Recovery | | | | |
| | 32 | | | | | | | |
| | 100 | | | | | | | |
| 41.00 | | | | | 41.00 | | | |
| | | | | | | | | |
| | 3 | | | Wash STIFF light gray SILTY CLAY | | 3 | 1.7 | 20.0 |
| | 4 | | | | | 4 | | |

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, from 137 (Rev. 8-99)

PRINT DRIVER = #PLTW08
 PLOT DATE = 3/5/2020 1:49:15 PM
 FILE NAME = I:\Projects\64L74\B_SoilBoringLog.dwg



| | | |
|-------------------------------|----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0:2 " = 1" / in. | DRAWN - JPC 05/18 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - RDP 10/18 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 STRUCTURE NO. 098-0098

SHEET 10 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 36 |
| CONTRACT NO. 64L74 | | | | |

ILLINOIS FED. AID PROJECT



SOIL BORING LOG

Date 5/2/18

ROUTE FAU 5564 DESCRIPTION D92-095-16 Bridge - US 30 over Hennepin Canal, .3 m. E. of IL 40 LOGGED BY W. Garza
 SECTION (111 BR-1) BDR LOCATION W34 Sterling - Colona Twp, SEC. , TWP. 21N, RNG. 6 - 7E
 COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55

STRUCT. NO. 098-0098 Latitude Longitude Northing Easting
 Station 49+83.5

BORING NO. B-2
 Station 49+07 (NE Abut)
 Offset 25.00ft Lt CL
 Ground Surface Elev. 99.60 ft

| Description | Elev. (ft) | D (ft) | B (/6") | U (tsf) | M (%) | Surface Water Elev. ft | Stream Bed Elev. ft | Groundwater Elev.: First Encounter ft | Wash Upon Completion ft | After Hrs. | D (ft) | B (/6") | U (tsf) | M (%) |
|--|------------|-----------|------------|------------|----------|------------------------|---------------------|--|----------------------------|------------|-----------|------------|------------|----------|
| | | | | | | | | | | | | | | |
| MEDIUM brown SANDY LOAM | 79.10 | | | 0.5 | 9.0 | 84.50 | 81.80 | 80.6 | | | 6 | | | |
| STIFF brown SANDY LOAM | 98.10 | | 7 | 9 | 10.0 | | | | | | | | | |
| | 96.60 | | 12 | 1.0 | P | | | | | | | | | |
| MEDIUM light gray dirty SAND | 94.10 | | 9 | | | | | | | | 8 | | | |
| | | | 11 | | | | | | | | 11 | | | |
| | | | 13 | | 9.0 | | | | | | 13 | | | |
| MEDIUM gray SANDY LOAM | 91.60 | | 4 | 2 | 0.7 | | | | | | | | | 14.0 |
| | | | 4 | | B | | | | | | | | | |
| No Recovery | 89.10 | | 3 | | | | | | | | 7 | | | |
| | | | 4 | | | | | | | | 9 | | | |
| | | | 7 | | | | | | | | 20 | | | |
| STIFF gray LOAM | 86.60 | | 3 | 4 | 1.6 | | | | | | | | | 20.0 |
| | | | 6 | | P | | | | | | | | | |
| MEDIUM/STIFF dark gray SILTY CLAY LOAM | 83.60 | | 1 | 3 | 1.0 | | | | | | 4 | | | |
| | | | 3 | | B | | | | | | 7 | | | |
| | | | 4 | | | | | | | | 10 | | | |
| LOOSE gray dirty moist SAND | 81.60 | | 1 | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | |
| | | | 5 | | | | | | | | | | | |
| LOOSE/MEDIUM light gray fine SAND | | | 1 | | | | | | | | 25 | | | |
| | | | 4 | | | | | | | | 26 | | | |

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, from 137 (Rev. 8-99)



SOIL BORING LOG

Date 5/2/18

ROUTE FAU 5564 DESCRIPTION D92-095-16 Bridge - US 30 over Hennepin Canal, .3 m. E. of IL 40 LOGGED BY W. Garza
 SECTION (111 BR-1) BDR LOCATION W34 Sterling - Colona Twp, SEC. , TWP. 21N, RNG. 6 - 7E
 COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55

STRUCT. NO. 098-0098 Latitude Longitude Northing Easting
 Station 49+83.5

BORING NO. B-2
 Station 49+07 (NE Abut)
 Offset 25.00ft Lt CL
 Ground Surface Elev. 99.60 ft

| Description | Elev. (ft) | D (ft) | B (/6") | U (tsf) | M (%) | Surface Water Elev. ft | Stream Bed Elev. ft | Groundwater Elev.: First Encounter ft | Wash Upon Completion ft | After Hrs. | D (ft) | B (/6") | U (tsf) | M (%) |
|--|------------|-----------|------------|------------|----------|------------------------|---------------------|--|----------------------------|------------|-----------|------------|------------|----------|
| | | | | | | | | | | | | | | |
| Wash DENSE light gray SANDY GRAVEL (continued) | 59.10 | | 21 | | | | | | | | 39.10 | | 6 | B |
| STIFF gray SILTY CLAY with SILT lens | 56.60 | | | | | | | | | | | | 2 | 1.7 |
| | | | | | | | | | | | | | 1 | 21.0 |
| | | | | | | | | | | | | | 5 | B |
| Wash MEDIUM light gray clean coarse SAND | 54.10 | | 5 | 10 | | | | | | | | | 4 | 1.7 |
| | | | 10 | | | | | | | | | | 2 | 22.0 |
| | | | 15 | | | | | | | | | | 6 | B |
| MEDIUM gray SILTY LOAM | 51.60 | | | | | | | | | | | | 1 | 0.9 |
| | | | | | | | | | | | | | 3 | 24.0 |
| | | | | | | | | | | | | | 7 | B |
| Wash MEDIUM light gray fine SAND | 49.10 | | 5 | 11 | | | | | | | | | 3 | 0.3 |
| | | | 11 | | | | | | | | | | 3 | 24.0 |
| | | | 15 | | | | | | | | | | 5 | B |
| MEDIUM gray CLAY with fine SAND lens | 46.60 | | | | | | | | | | | | 0 | 0.8 |
| | | | | | | | | | | | | | 0 | 24.0 |
| | | | | | | | | | | | | | 0 | B |
| Wash No Recovery | 44.10 | | 9 | 19 | | | | | | | | | 3 | |
| | | | 19 | | | | | | | | | | 4 | |
| | | | 17 | | | | | | | | | | 9 | |
| Wash MEDIUM light gray clean coarse SAND | 41.10 | | 7 | 11 | | | | | | | | | | |
| | | | 11 | | | | | | | | | | | |
| | | | 12 | | | | | | | | | | | |
| Wash STIFF light gray SILTY CLAY | | | 2 | 2 | 1.8 | | | | | | | | | 24.0 |
| | | | 2 | | | | | | | | | | | |
| | | | 2 | | | | | | | | | | | |

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, from 137 (Rev. 8-99)

PRINT DRIVER = 48 LINES
 PLOT SCALE = 1" = 10'
 PLOT DATE = 3/5/2020



| | | |
|------------------------------|----------------------|-----------|
| USER NAME = sma | DESIGNED - RDP 05/18 | REVISED - |
| ESCA PROJECT NO. 1140.14 | CHECKED - RDP 05/18 | REVISED - |
| PLOT SCALE = 0.2" = 1' / in. | DRAWN - JPC 05/18 | REVISED - |
| PLOT DATE = 3/5/2020 | CHECKED - RDP 10/18 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

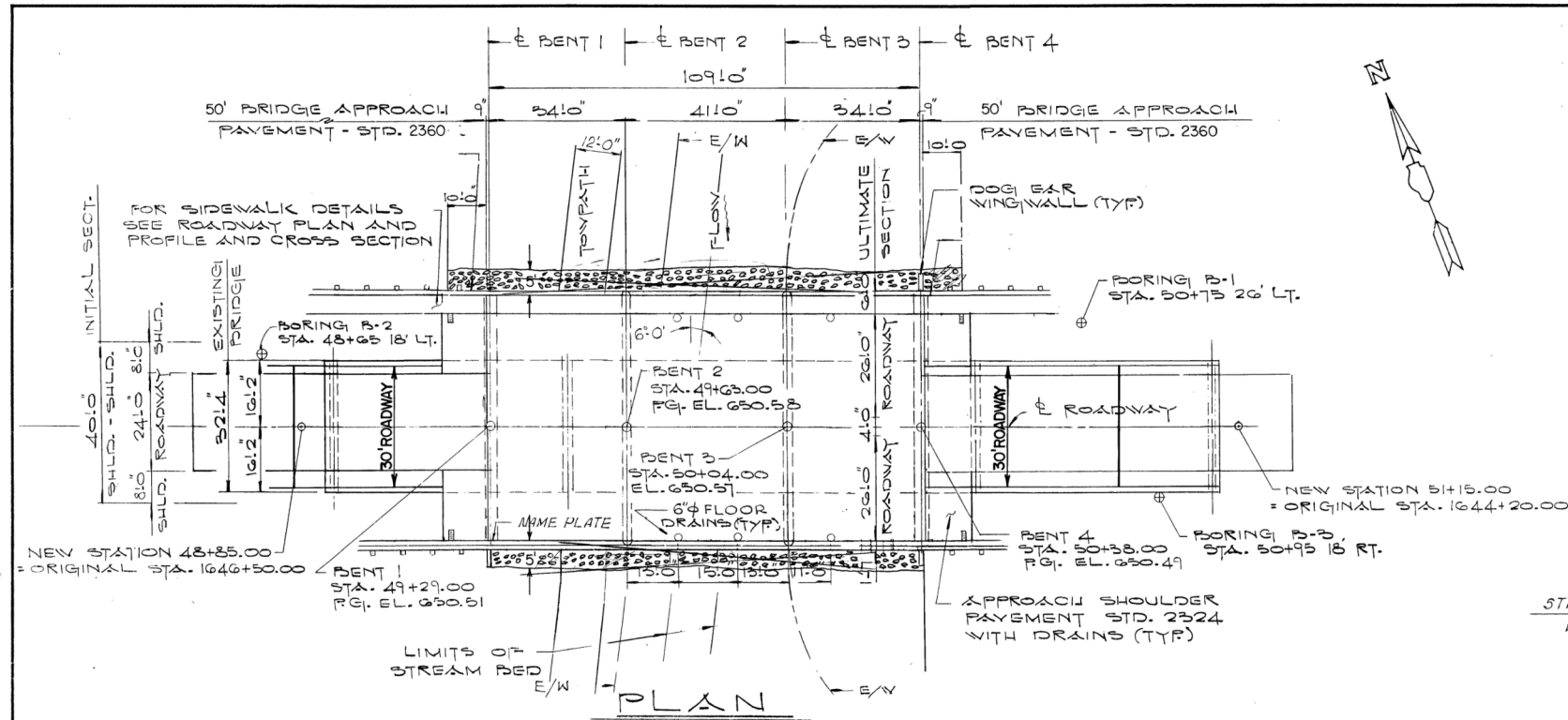
SOIL BORING LOGS
 STRUCTURE NO. 098-0098

SHEET 11 OF 11 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 37 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|-----------|--------------|-----------|
| FAU 5564 | 111 BR-1 | WHITESIDE | 28 | 15 |
| STA. | TO STA. | | | |
| F.H.W.A. REG. NO. 4 | ILLINOIS | PROJECT | | |

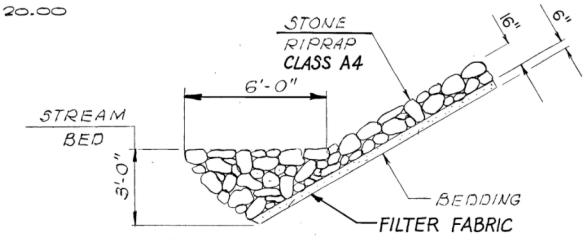
SHEET 1 OF 7



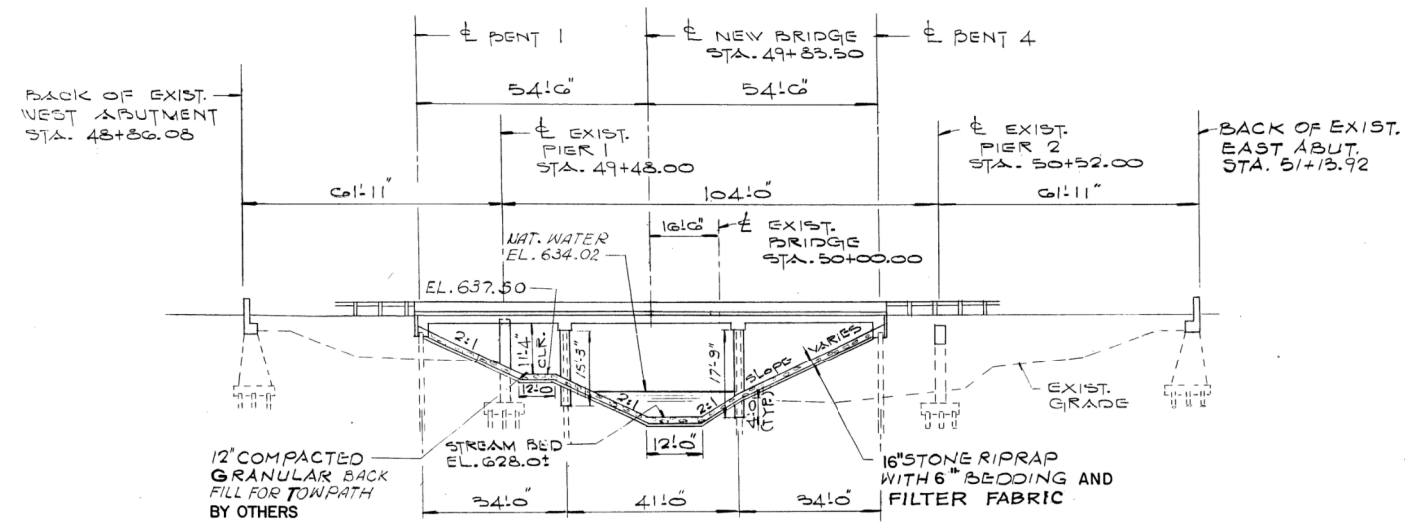
WATER LEVEL AT TIME OF CONSTRUCTION

*NOTE: FOR BENT 3 SONOTUBES SHALL BE PLACED BELOW THIS ELEVATION AND WELDED WIRE FABRIC AND CLASS X CONCRETE ENCASEMENT SHALL BE PLACED UNDERWATER INTO SONOTUBES. COST OF FURNISHING, PLACING AND EXCAVATION FOR SONOTUBES SHALL BE INCIDENTAL TO FURNISHING PILES.

*See NOTE for Sonotubes

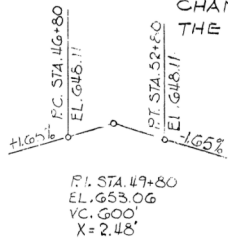


STONE RIPRAP ANCHOR DETAIL



ELEVATION

CHANNEL OPENING AT NAT. WATER EL. = 144 FT. THE CANAL IS A CONTROLLED WATERWAY.

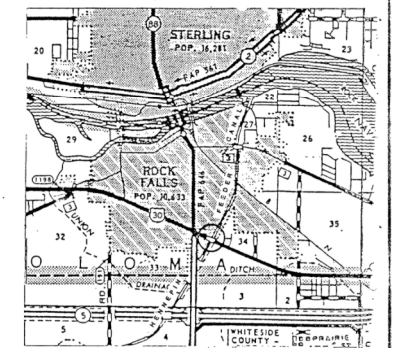


PROPOSED PROFILE GRADE

NOTES:

EXISTING STRUCTURE NO. 098-0035, BUILT AS P.A. ROUTE 141, SECTION 111 BR AT STA. 1045+35.00 IN 1939 AND IS 32'-4" WIDE BY 227'-4" LONG. ALL OF THE EXISTING THREE SPAN STEEL SUPERSTRUCTURE AND T.R.C. SLAB, AND PORTIONS OF THE PIERS AND ABUTMENTS WILL BE REMOVED TO ACCOMMODATE THE NEW CONSTRUCTION. THE NEW STRUCTURE WILL BE A THREE SPAN SLAB BRIDGE ON PILE BENT ABUTMENTS AND PILE BENT PIERS.

TRAFFIC WILL BE DETOURED DURING RECONSTRUCTION. NO SALVAGE.



LOCATION PLAN

N.E. 1/4 OF THE S.W. 1/4 OF SECTION 34 TOWNSHIP 21N, RANGE 7E OF THE 4TH P.M.

APPROVED FOR STRUCTURAL ADEQUACY ONLY

James J. Rayburn
Engineer of Bridges and Structures



THOMAS D. ASHWELL
81-2502 REGISTERED STRUCTURAL ENGINEER
STATE OF ILLINOIS

alfred benesch & company
CONSULTING ENGINEERS
233 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 2258

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
FAU ROUTE 5564
PROJECT: US 30 OVER THE HENNEPIN FEEDER CANAL
SECTION 111 BR-1
WHITESIDE COUNTY STATION 49+83.50
STRUCTURE NUMBER 098-0098

DESIGN STRESSES

$f_c = 3,500$ P.S.I. CONCRETE
 $f_y = 60,000$ P.S.I. REINFORCING STEEL
DESIGN SPECIFICATION: 1983 AASHTO AND 1984 thru 1988 INTERIMS.
LOADINGS: HS 20-44
FUTURE CLASS I WEARING SURFACE: 25 P.S.F.

BENCH MARK

"O" CUT ON S.E. CORNER OF FOUNDATION FOR LAMP STANDARD 52' LT. STA. 38+95.00
ELEVATION: 641.14'

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET 1 OF 7 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|------------------|--------------------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 38 |
| | | | | CONTRACT NO. 64L74 |
| | | ILLINOIS | FED. AID PROJECT | |



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 10/19 | REVISED - |

PRINT DRIVER = B:\PLOTTERS\...
SCALE = 1/8" = 1'-0"
DATE = 3/5/2020

| | | | | |
|----------------------|----------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAU 5564 | III BR-1 | WHITESIDE | 28 | 16 |
| STA. | | TO STA. | | |
| F.H.W. A. REG. NO. 4 | | ILLINOIS | PROJECT | |

SHEET 2 OF 7

BILL OF MATERIALS

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY |
|----------|--|--------------|------------|
| 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 |
| 50300100 | FLOOR DRAINS | EACH | 6 |
| 50300300 | PROTECTIVE COAT | S.Y. | 781 * |
| 50300250 | CLASS X CONCRETE SUPERSTRUCTURE | C.Y. | 415.2 |
| 50800100 | ALUMINUM RAILING (TYPE L) | L.F. | 109 |
| 51200100 | REINFORCEMENT BARS | LB. | 51,870 |
| 51200200 | REINFORCEMENT BARS (EPOXY COATED) | LB. | 50,140 |
| 51302200 | FURNISHING CONCRETE PILES | L.F. | 1,850 |
| 51302800 | DRIVING CONCRETE PILES | L.F. | 1,850 |
| 51304200 | TEST PILE | EACH | 2 |
| 51304300 | CLASS X CONCRETE ENCASEMENT | C.Y. | 45 |
| 51400100 | NAME PLATES | EACH | 1 |
| 60100107 | STONE RIPRAP CLASS A4 FILTER FABRIC FOR USE WITH RIPRAP. | S.Y. S.Y. | 150 150 |

*INCLUDES BRIDGE DECK SURFACE.

GENERAL NOTES

SEE PROPOSAL FOR BORING DATA.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.

THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.

THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE DEFLECTION OF FORMS, SHRINKAGE AND SETTLEMENT OF FALSEWORK, IN ADDITION TO ALLOWANCE FOR DEAD LOAD DEFLECTION.

CONCRETE PILES AT ABUTMENTS SHALL BE DRIVEN IN HOLES PRECORED THROUGH THE EMBANKMENT IN ACCORDANCE WITH ARTICLE 313.09(c) OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL DRIVE ONE TEST PILE IN A PERMANENT LOCATION AT BENT 2 AND BENT 4 AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.

ALL EDGES SHALL HAVE STANDARD 3/4-INCH CHAMFERS EXCEPT AS NOTED.

INDEX OF SHEETS

| DESCRIPTION | PAGE NO. |
|--|----------|
| GENERAL PLAN & ELEVATION | 1 |
| INDEX OF SHEETS, GENERAL NOTES & BILL OF MATERIALS | 2 |
| DECK REINFORCEMENT PLAN | 3 |
| BENT DETAILS | 4 |
| PARAPET ELEVATION & REINFORCEMENT DETAILS | 5 |
| ALUMINUM RAILING (TYPE L) | 6 |
| CONCRETE PILES | 7 |

STATION 49+83.5
BUILT 198 _ BY
STATE OF ILLINOIS
F.A.U.R.T. 5564 SEC.III-BR-1

LOADING HS20
STR. NO. 098-0098

LETTERING FOR NAME PLATE

(SEE STATE OF ILLINOIS STD. 2113)(I-REQ'D)

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS, GENERAL NOTES & BILL OF MATERIALS

FAU ROUTE 5564
PROJECT: US 30 OVER
THE HENNEPIN FEEDER CANAL
SECTION III BR-1
WHITESIDE COUNTY STATION 49+83.50
STRUCTURE NUMBER 098-0098

ab alfred benesch & company
CONSULTING ENGINEERS
233 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 2258

Rev 3-13-89

PRINT DRIVER = \$PLTWINS
SCALE NAME = PLOT
FILE NAME = 2500074.dwg



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 10/19 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

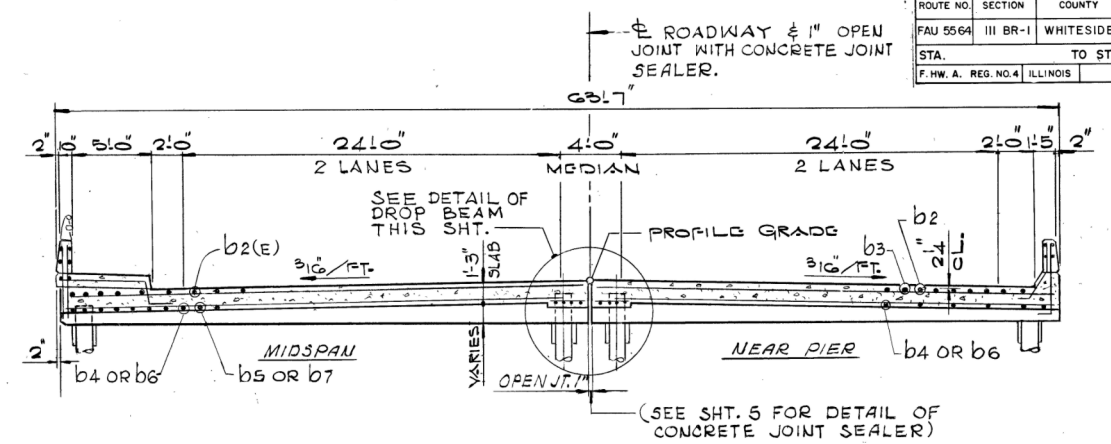
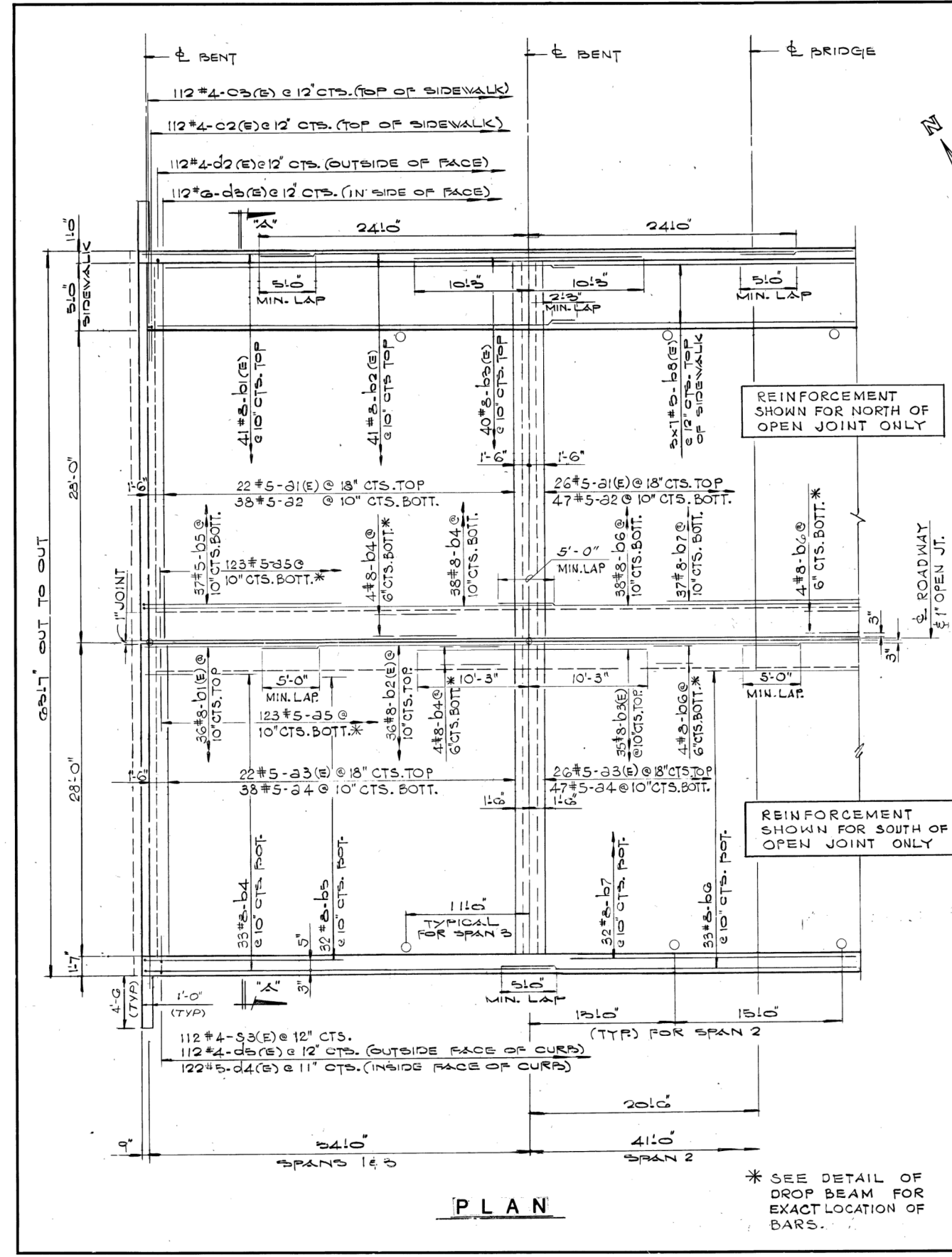
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET 2 OF 7 SHEETS STA. TO STA.

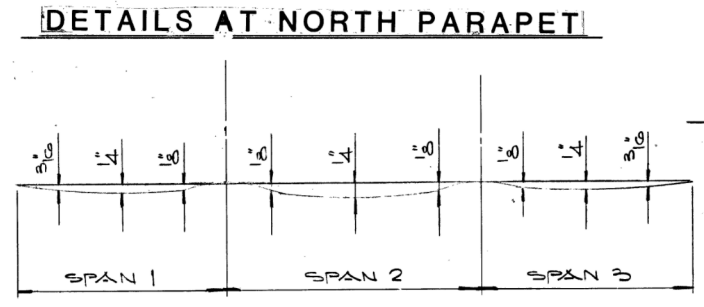
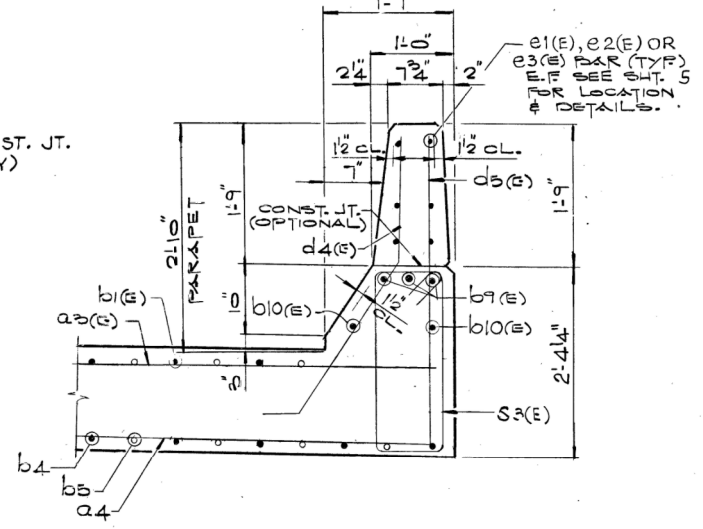
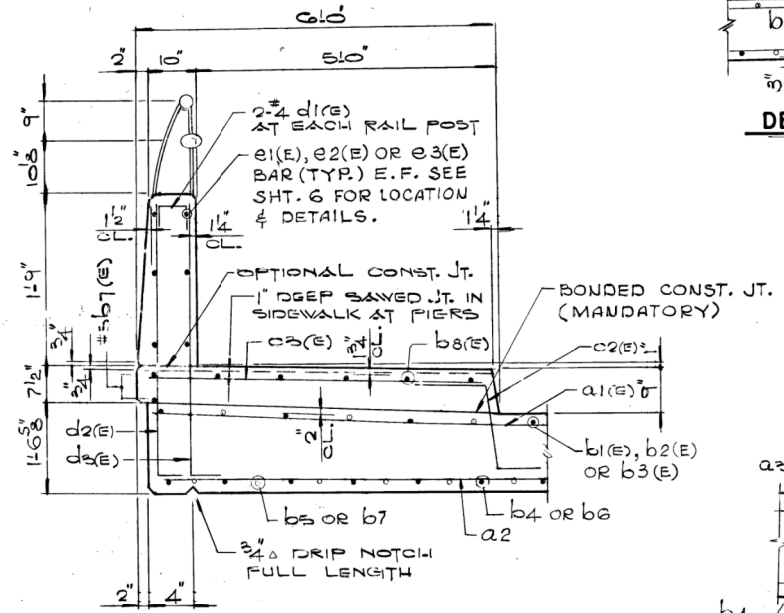
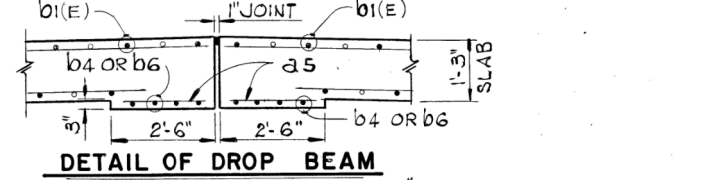
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 39 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |

| | | | | |
|----------------------|----------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAU 5564 | III BR-1 | WHITESIDE | 28 | 17 |
| STA. | TO STA. | | | |
| F.H.W. A. REG. NO. 4 | ILLINOIS | PROJECT | | |

SHEET 3 OF 7



SECTION A-A



NOTE:

NO DRAINS SHALL BE LOCATED IN SPAN 1.

(E) DENOTES EPOXY BARS.

E.F. DENOTES EACH FACE.

SEE SHEET 5 FOR BILL OF MATERIAL.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK REINFORCEMENT PLAN

FAU ROUTE 5564

PROJECT: US 30 OVER

THE HENNEPIN FEEDER CANAL

SECTION III BR-1

WHITESIDE COUNTY STATION 49+83.50

STRUCTURE NUMBER 098-0096

alfred benesch & company

CONSULTING ENGINEERS

233 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

JOB NO. 2258



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 10/19 | REVISED - |

STATE OF ILLINOIS

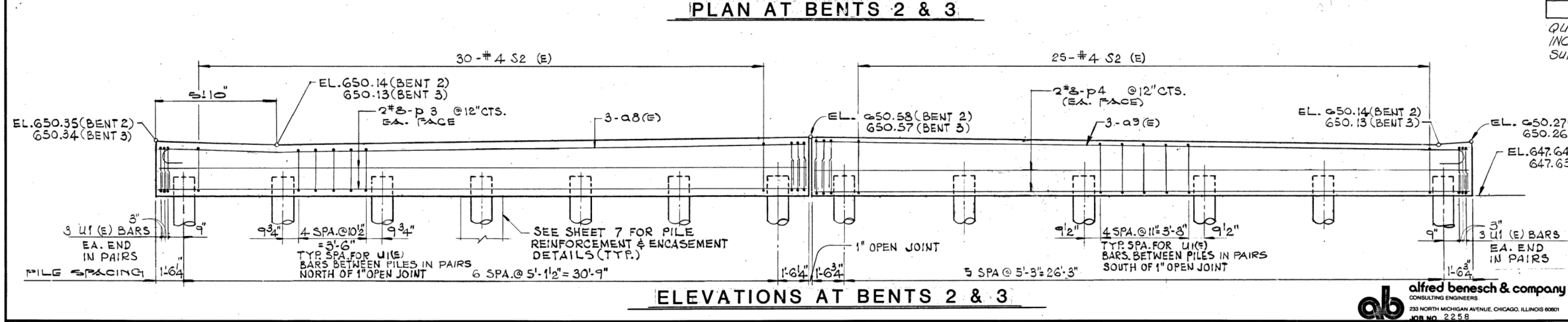
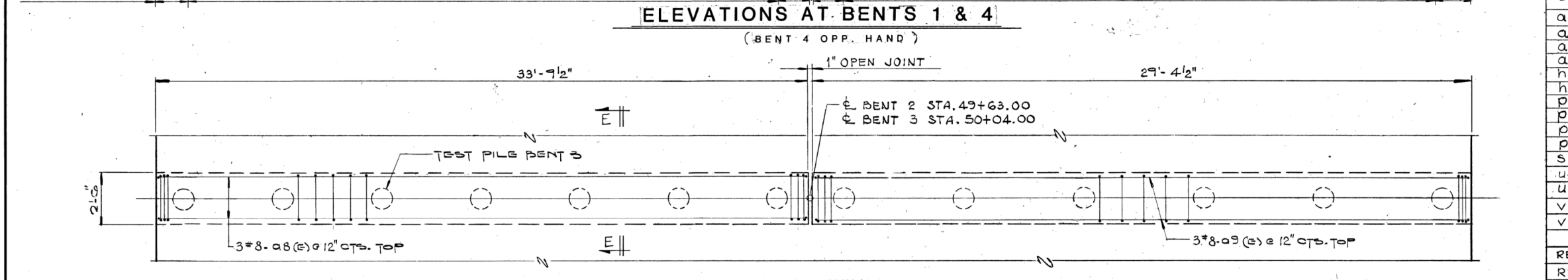
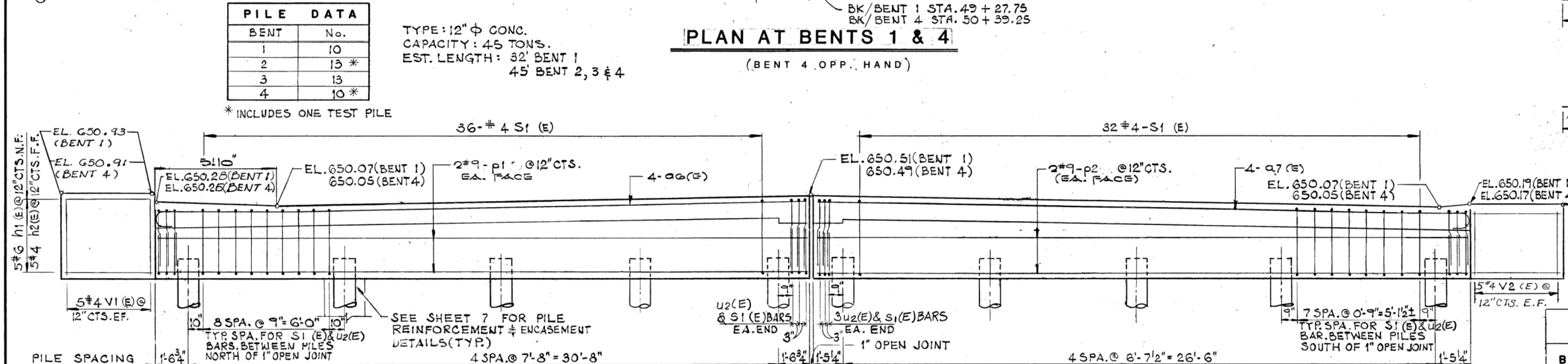
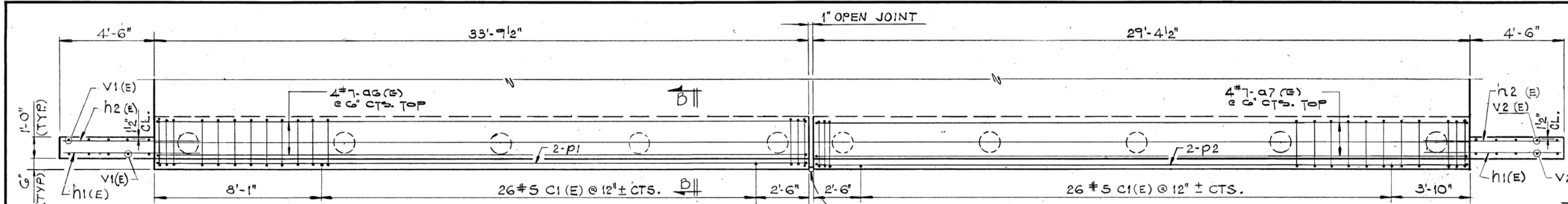
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FOR INFORMATION ONLY

SCALE: NA SHEET 3 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|--------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 40 |
| | | | | CONTRACT NO. 64L74 |
| | | ILLINOIS | FED. AID PROJECT | |



| BENT AND WINGWALL BILL OF MATERIAL | | | | |
|------------------------------------|-----|------|---------|-------|
| BAR | No. | SIZE | LENGTH | SHAPE |
| Q6(E) | 8 | 7 | 34'-1" | U |
| Q7(E) | 8 | 7 | 29'-9" | U |
| Q8(E) | 6 | 8 | 34'-2" | U |
| Q9(E) | 6 | 8 | 29'-10" | U |
| h1(E) | 18 | 6 | 6'-0" | — |
| h2(E) | 18 | 4 | 5'-6" | — |
| p1 | 8 | 9 | 33'-3" | — |
| p2 | 8 | 9 | 28'-11" | — |
| p3 | 8 | 8 | 33'-4" | — |
| p4 | 8 | 8 | 28'-11" | — |
| S1(E) | 160 | 4 | 8'-5" | U |
| u2(E) | 160 | 4 | 7'-4" | U |
| u1(E) | 268 | 4 | 6'-6" | U |
| v1 | 20 | 4 | 3'-7" | — |
| v2 | 20 | 4 | 3'-0" | — |
| I T E M | | | | LBS. |
| REINF. BARS (EPOXY COATED) | | | | 5230 |
| REINF. BARS | | | | 3020 |

QUANTITY FOR CLASS X CONCRETE INCLUDED WITH CLASS X CONCRETE SUPERSTRUCTURE ON SHT. 5.

ILLINOIS DEPARTMENT OF TRANSPORTATION

BENT DETAILS
FAU ROUTE 5564
PROJECT: US 30 OVER
THE HENNEPIN FEEDER CANAL
SECTION III BR-1
WHITESIDE COUNTY STATION 49+83.50
STRUCTURE NUMBER 098-0098



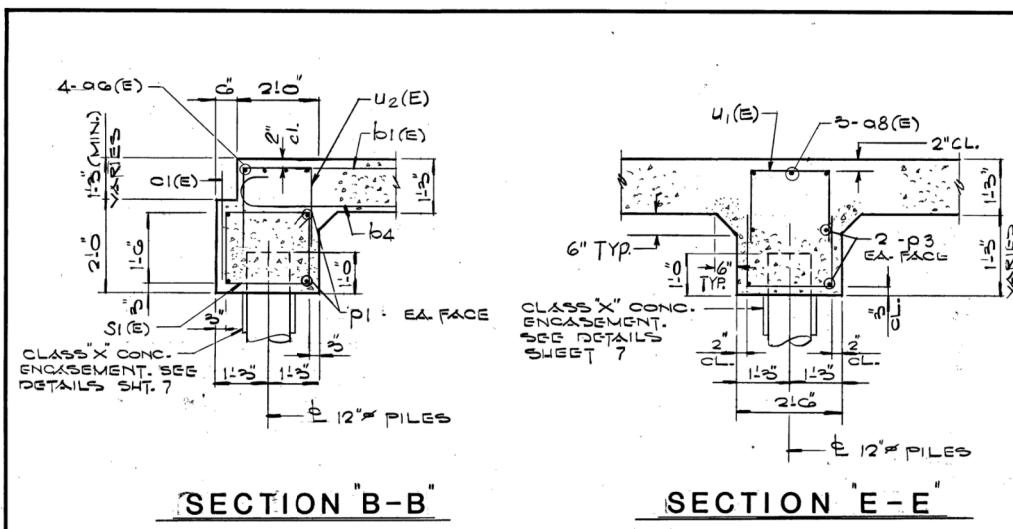
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|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 10/19 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

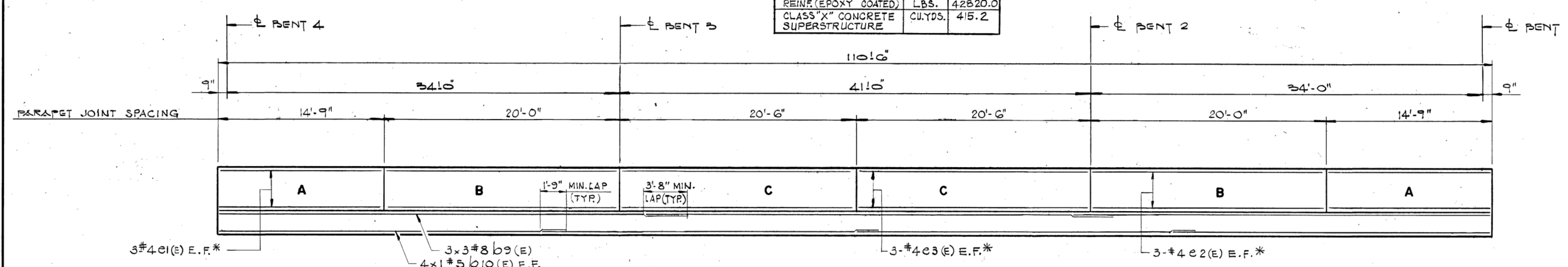
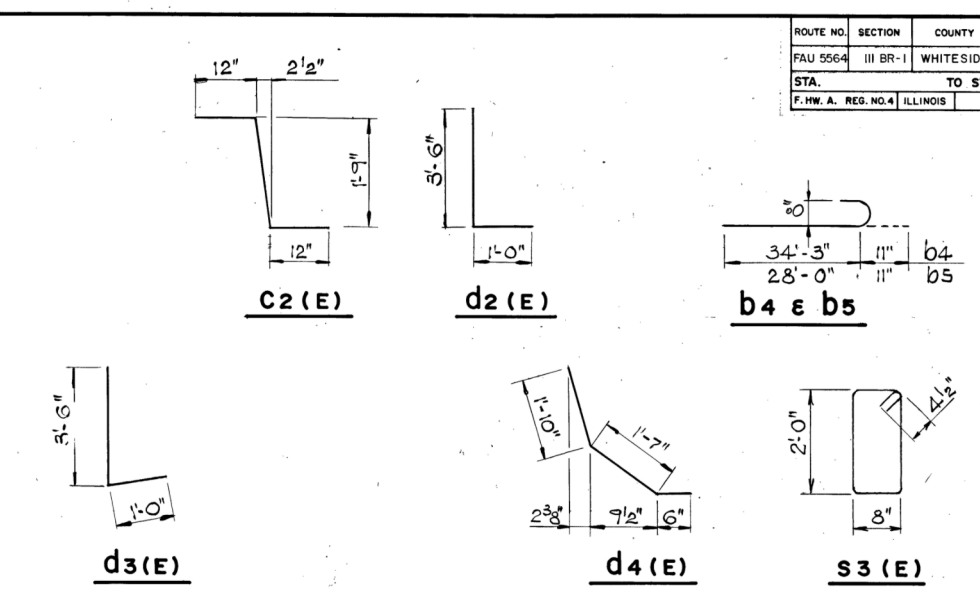
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET 4 OF 7 SHEETS STA. TO STA.

| | | | | |
|-------------|--------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 41 |
| | | | | CONTRACT NO. 64L74 |
| | | ILLINOIS | FED. AID PROJECT | |

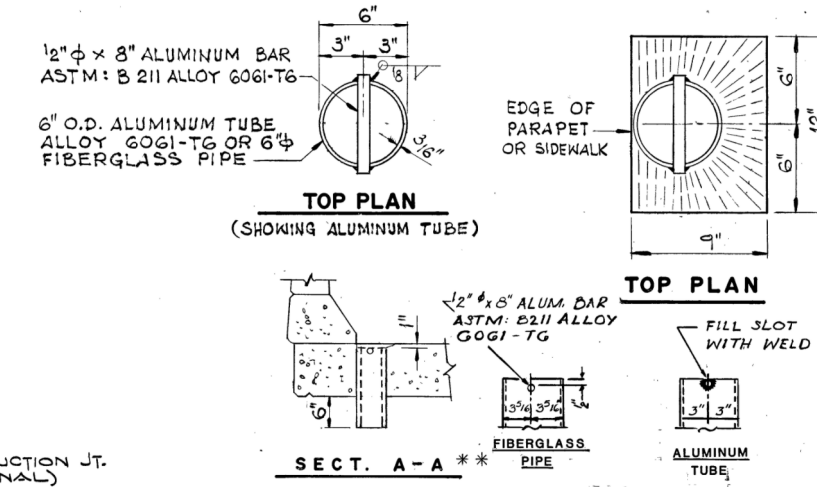
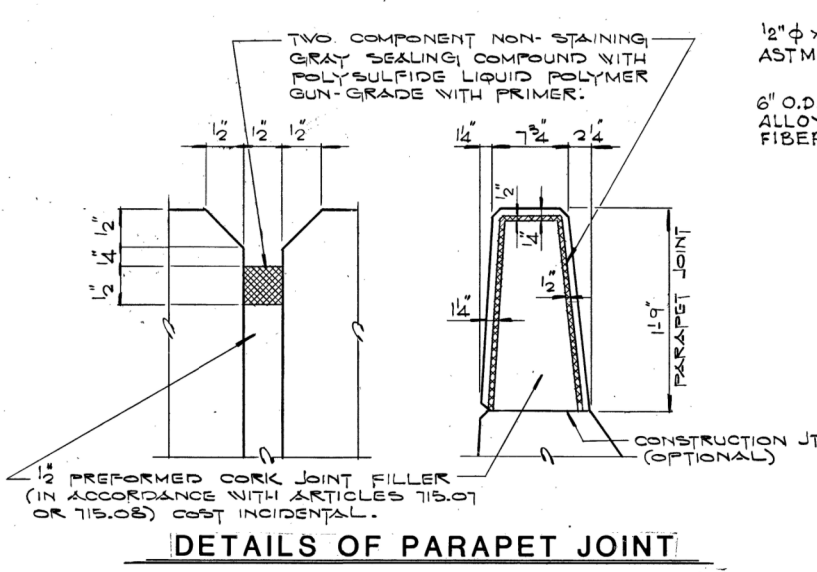


| SUPERSTRUCTURE BILL OF MATERIAL | | | | |
|-----------------------------------|-----|---------|---------|-------|
| BAR | No. | SIZE | LENGTH | SHAPE |
| Q1(E) | 70 | 5 | 33'-3" | — |
| Q2 | 123 | 5 | 33'-3" | — |
| Q3(E) | 70 | 5 | 29'-0" | — |
| Q4 | 123 | 5 | 29'-0" | — |
| Q5 | 246 | 5 | 2'-0" | — |
| b1(E) | 154 | 8 | 15'-0" | — |
| b2(E) | 154 | 8 | 48'-0" | — |
| Q3(E) | 150 | 8 | 20'-6" | — |
| b4 | 158 | 8 | 35'-2" | — |
| b5 | 138 | 8 | 28'-11" | — |
| b6 | 79 | 8 | 46'-0" | — |
| b7 | 69 | 8 | 28'-0" | — |
| b8(E) | 21 | 5 | 40'-6" | — |
| C1(E) | 104 | 5 | 2'-6" | — |
| C2(E) | 112 | 4 | 3'-9" | — |
| C3(E) | 112 | 4 | 5'-6" | — |
| d2(E) | 112 | 4 | 4'-6" | — |
| d3(E) | 112 | 6 | 4'-6" | — |
| d4(E) | 122 | 5 | 3'-11" | — |
| d5(E) | 112 | 4 | 3'-6" | — |
| S3(E) | 112 | 4 | 6'-1" | — |
| ITEM | | UNIT | TOTAL | |
| REINFORCEMENT BARS | | LBS. | 48650.0 | |
| REINF.(EPOXY COATED) | | LBS. | 42820.0 | |
| CLASS "X" CONCRETE SUPERSTRUCTURE | | CU.YDS. | 415.2 | |



NOTES:
 *-TYPICAL FOR ALL SECTIONS WITH SIMILAR LETTER DESIGNATION.
 E.F. DENOTES EACH FACE

ELEVATION - NORTH PARAPET
 (LOOKING SOUTH)

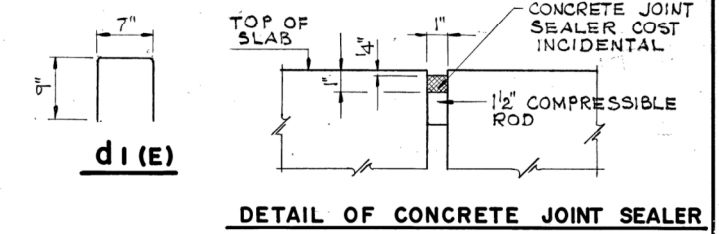


FLOOR DRAIN DETAILS

** DRAIN AT SIDEWALK SIMILAR

| SIDEWALK & PARAPET BILL OF MATERIAL | | | | |
|-------------------------------------|-----|------|--------|-------|
| BAR | No. | SIZE | LENGTH | SHAPE |
| d1(E) | 16 | #4 | 2'-1" | □ |
| e1(E) | 24 | #4 | 14'-6" | — |
| e2(E) | 24 | #4 | 19'-9" | — |
| e3(E) | 24 | #4 | 20'-3" | — |
| b9(E) | 9 | #8 | 39'-6" | — |
| b10(E) | 8 | #5 | 29'-0" | — |
| ITEM | | UNIT | TOTAL | |
| REINF.(EPOXY COATED) | | LBS. | 2090 | |

Quantity for Class X Conc. included with 'Class X Conc. Superstructure'

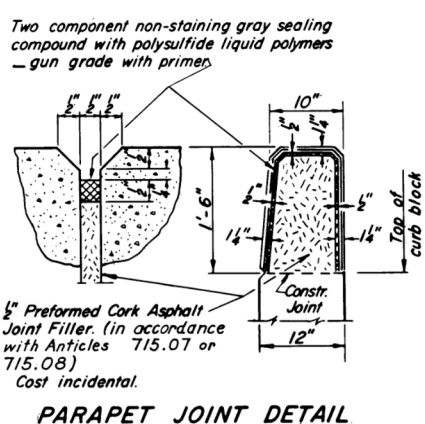
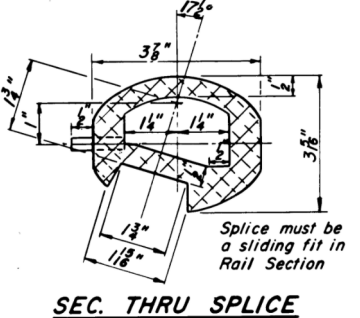
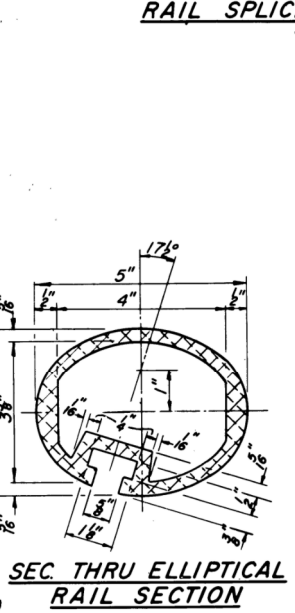
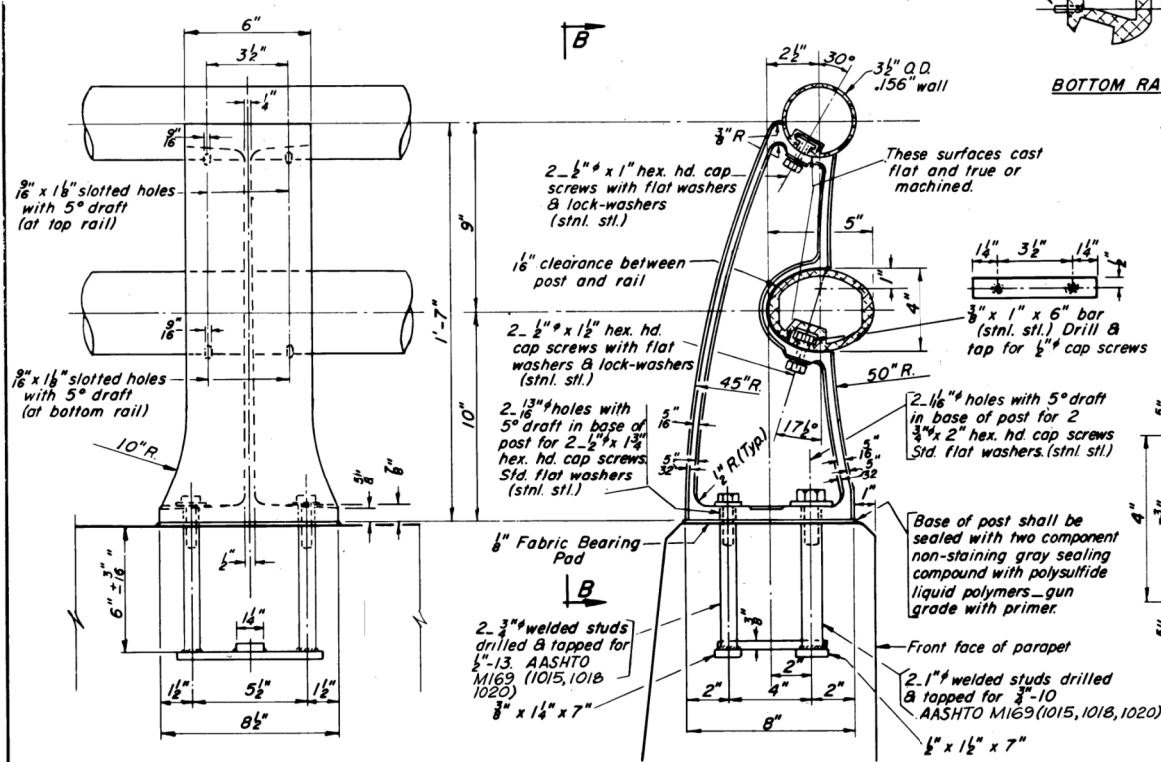
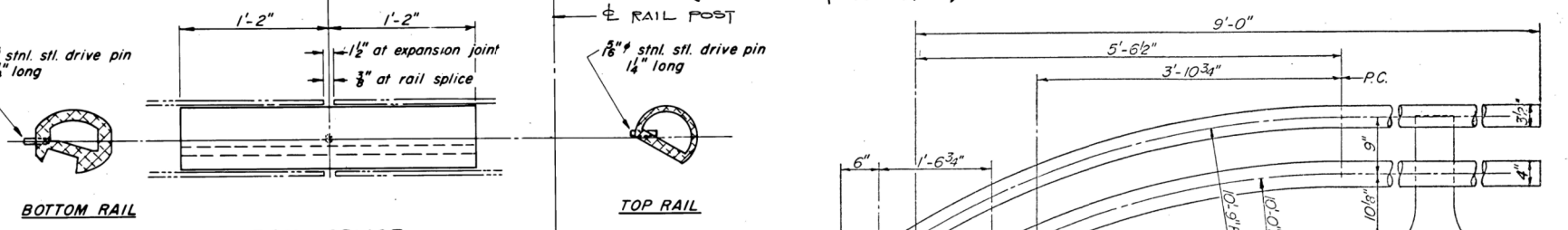
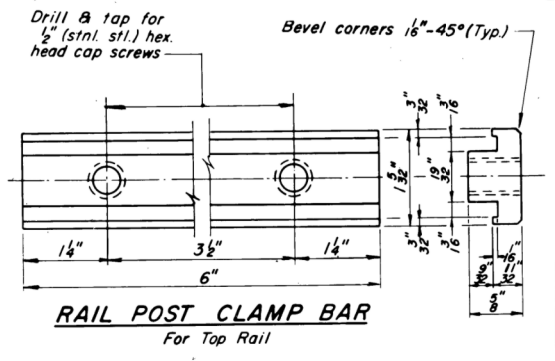
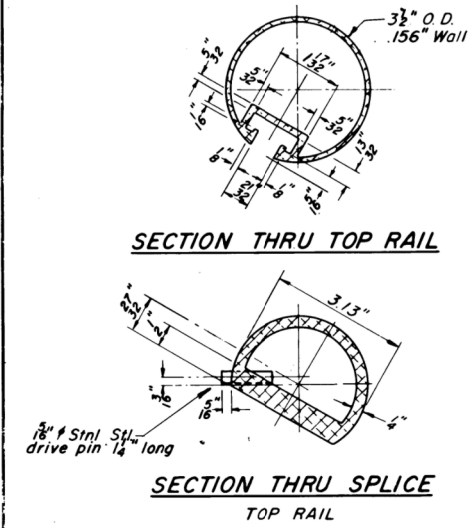
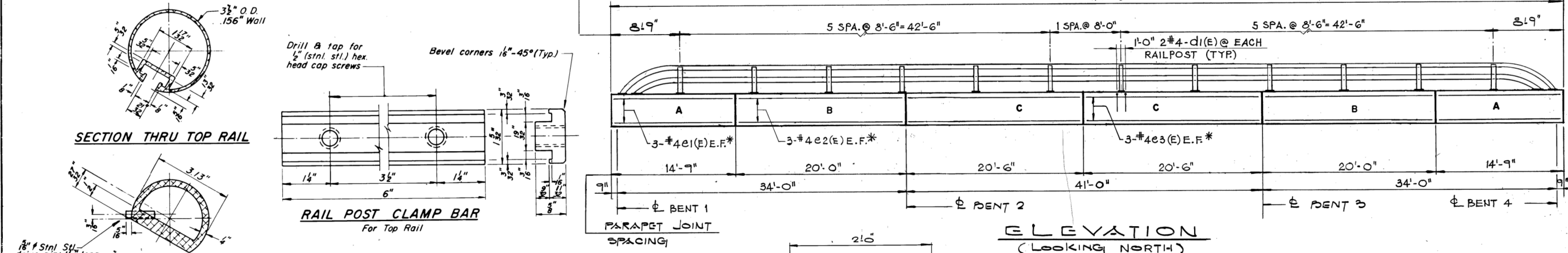


ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARAPET ELEVATION AND REINFORCEMENT DETAILS
 FAU ROUTE 5564
 PROJECT: US 30 OVER THE HENNEPIN FEEDER CANAL
 SECTION III BR-1
 WHITESIDE COUNTY STATION 49+83.50
 STRUCTURE NUMBER 098-0098

ab alfred benesch & company
 CONSULTING ENGINEERS
 233 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
 JOB NO. 2258

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEET NO. |
|---------------------|----------|-----------|-----------------|
| FAU 5564 | III BR-1 | WHITESIDE | 28 20 |
| STA. | TO STA. | | |
| F. HW A. REG. NO. 4 | ILLINOIS | PROJECT | SHEET 6 OF 7 |

NOTES: *-TYPICAL FOR ALL SECTIONS WITH SIMILAR LETTER DESIGNATION. E.F. DENOTES EACH FACE. FOR BILL OF MATERIAL SEE SHEET 5



NOTES:
ALL POSTS SHALL BE NORMAL TO PARAPET.
ALL ALUMINUM ALLOY EXTRUDED RAIL SHALL BE SUPPLIED IN MODULAR LENGTHS OF 30 FEET, EXCEPT AT THE END OF BRIDGE OR OVER OPEN JOINTS IN BRIDGE DECK WHERE THE RAIL SHALL BE ATTACHED TO A MINIMUM OF 2 POSTS. IF THE RAIL IS ON A HORIZONTAL CURVE OF 2300 FOOT RADIUS OR LESS, THE MODULAR LENGTHS MAY BE REDUCED BUT SHALL BE ATTACHED TO A MINIMUM OF 2 POSTS.
ALL JOINTS IN RAIL SHALL BE SPLICED PER DETAIL.
PROVIDE 1 - 1/8" AND 2 - 1/16" ALUMINUM SHIMS FOR 25% OF THE POSTS. RAIL ELEMENTS SHALL BE PARALLEL TO GRADE - HIGH SPOTS SHALL BE GROUND AND LOW SPOTS SHIMMED.
RAILING SHALL BE IN ACCORDANCE WITH SECTION 508 OF THE STANDARD SPECIFICATIONS, EXCEPT AS NOTED, AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR ALUMINUM RAILING, TYPE L.
ALUMINUM ALLOY RAIL SHALL CONFORM TO ASTM B221 ALLOY 6061-T6 OR 6351-T5 WITH MINIMUM YIELD 35 KSI, MINIMUM TENSILE 38 KSI, AND ELONGATION OF 10% IN 2 INCHES.

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALUMINUM RAILING (TYPE L)
FAU ROUTE 5564
PROJECT: US 30 OVER
THE HENNEPIN FEEDER CANAL
SECTION III BR-1
WHITESIDE COUNTY STATION 49+83.50
STRUCTURE NUMBER 098-0098

alfred benesch & company
CONSULTING ENGINEERS
233 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 2258

ESCA CONSULTANTS, INC.
CONSULTING ENGINEERS
100 N. WASHINGTON ST., SUITE 100
CHICAGO, ILLINOIS 60602
TEL: 312.467.1000
WWW.ESCA-CONSULTANTS.COM

| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 10/19 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

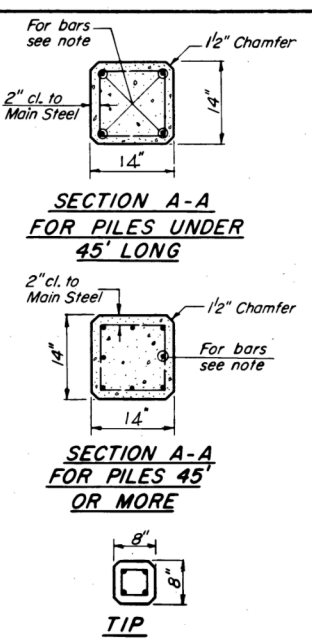
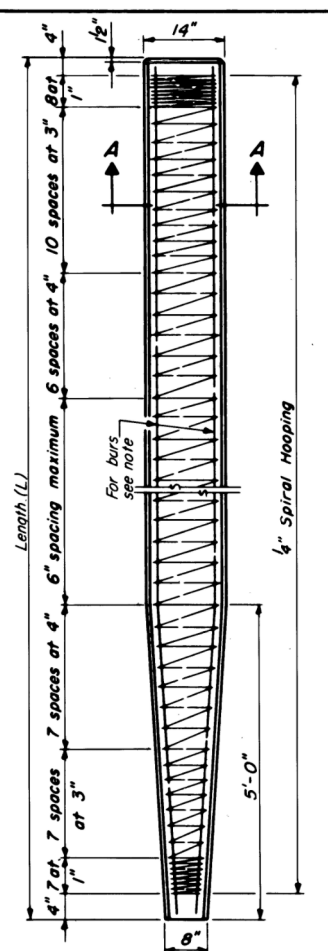
| | | | |
|-----------|---------------------|------|---------|
| SCALE: NA | SHEET 6 OF 7 SHEETS | STA. | TO STA. |
|-----------|---------------------|------|---------|

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 43 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | | |
|---------------------|----------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAU 5564 | III BR-1 | WHITESIDE | 28 | 21 |
| STA. TO STA. | | | PROJECT | |
| I.H.W. & REG. NO. 4 | | | ILLINOIS | |

SHEET 7 OF 7



SECTION A-A FOR PILES UNDER 45' LONG

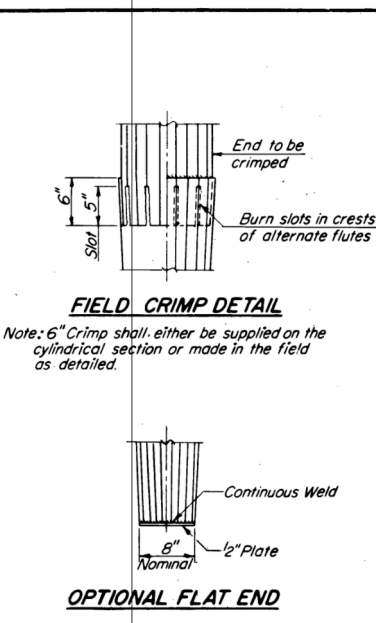
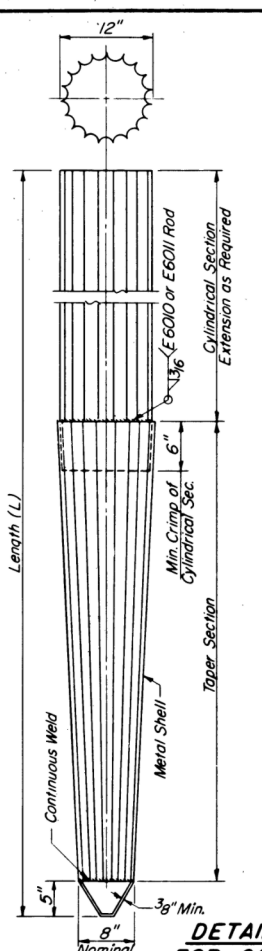
SECTION A-A FOR PILES 45' OR MORE

TIP

Note: For 14" Piles 45' long or more use 8-#8 bars 4 for the full length and 4 to the point of bevel. For 14" Piles under 45' long use 4-#9 bars full length.

Handling: For Pile lengths up to 45', use two slings placed at a distance of 0.21 L from each end. For Piles longer than 45', use three slings placed at a distance of 0.12 L from each end and at mid point of pile.

DETAIL OF PRECAST CONCRETE PILES



FIELD CRIMP DETAIL

Note: 6" Crimp shall either be supplied on the cylindrical section or made in the field as detailed.

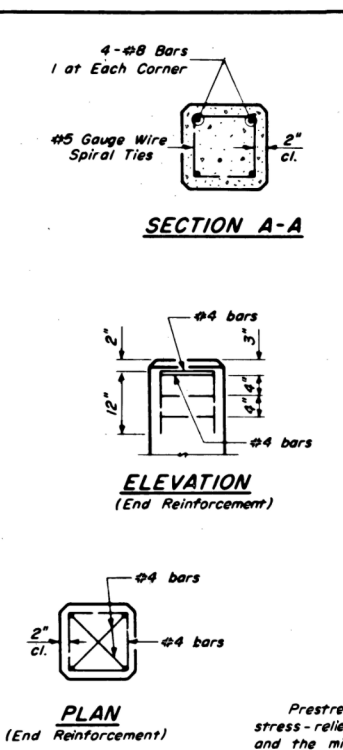
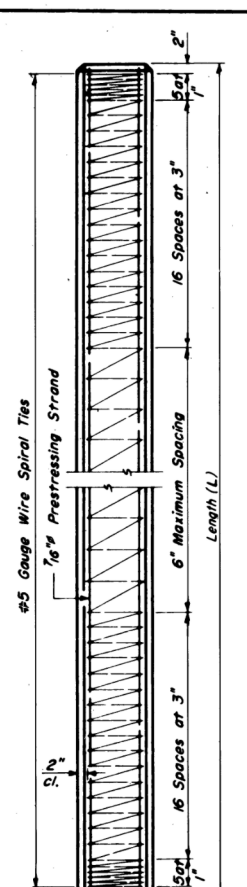
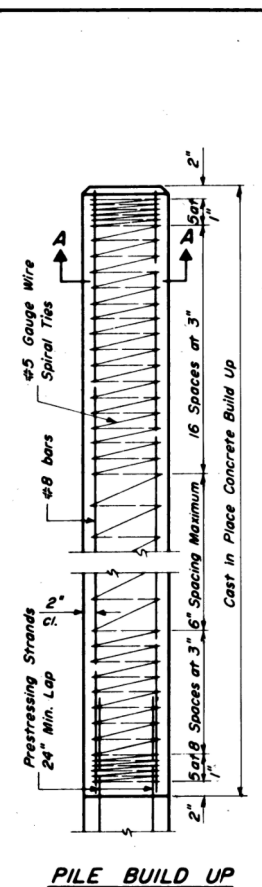
OPTIONAL FLAT END

ALLOWABLE TAPER SECTIONS

10' Length - Taper 1" in 2'-6"
 17' Length - Taper 1" in 4'-0"
 25' Length - Taper 1" in 7'-0"
 30' Length - Taper 1" in 7'-0"

NOTE:
 The thickness of the shell shall be 0.1793 inches with a tolerance of 5%.

DETAIL OF TAPERED METAL SHELLS FOR CAST IN PLACE CONCRETE PILES



SECTION A-A

ELEVATION (End Reinforcement)

PLAN (End Reinforcement)

DESIGN STRESSES

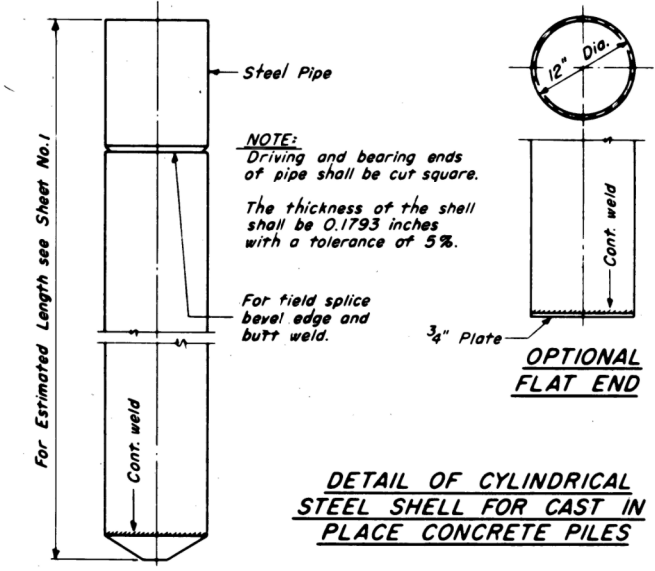
$f_c' = 5,000 \text{ psi.}$
 $f_c' = 4,000 \text{ psi.}$
 $f_s' = 268,000 \text{ psi. (31,000 lbs.)}$
 $f_s' = 188,000 \text{ psi. (21,700 lbs.)}$

NOTES

Prestressing steel shall be non-galvanized extra high strength stress-relieved 7-wire strand. The nominal diameter shall be 1/8" and the minimum nominal cross-sectional area shall be 0.1155 square inch.

For Pile lengths up to 65', use two slings placed at a distance of 0.21 L* from each end. For Piles longer than 65', use three slings placed at a distance of 0.12 L* from each end and at mid-point of pile. * L = Over all length of pile to be handled.

PRECAST PRESTRESSED CONCRETE PILE

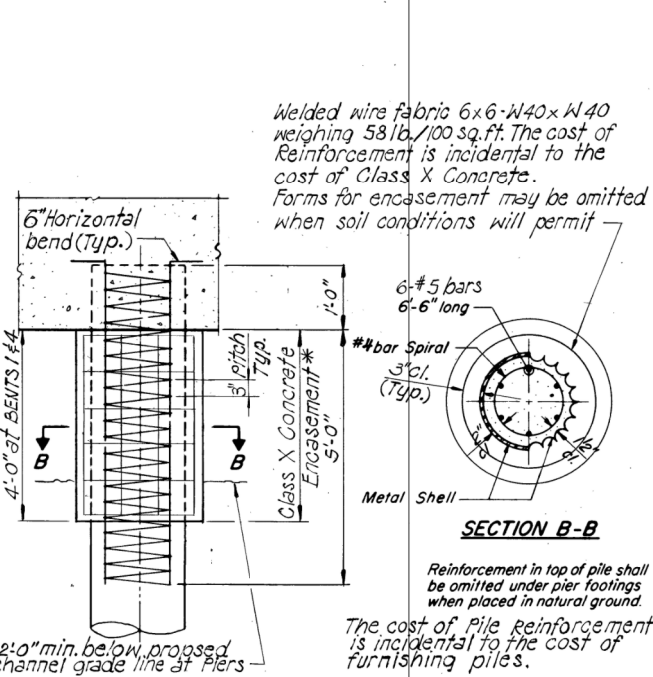


NOTE:
 Driving and bearing ends of pipe shall be cut square.

The thickness of the shell shall be 0.1793 inches with a tolerance of 5%.

OPTIONAL FLAT END

DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES



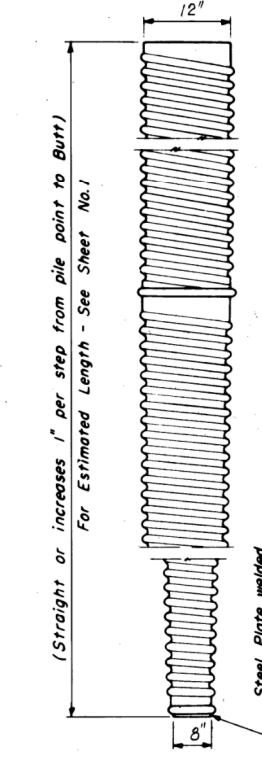
Welded wire fabric 6x6-W40xW40 weighing 58 lb./100 sq.ft. The cost of Reinforcement is incidental to the cost of Class X Concrete. Forms for encasement may be omitted when soil conditions will permit.

SECTION B-B

Reinforcement in top of pile shall be omitted under pier footings when placed in natural ground.

The cost of Pile Reinforcement is incidental to the cost of furnishing piles.

DETAIL OF REINFORCEMENT FOR METAL SHELLS



Reinforcement is incidental to the cost of furnishing piles.

SECTION A-A

PILE REINFORCEMENT

At least 10% of the length of pile shall have a Butt diameter equal to or greater than 12". Gauges are furnished to suit soil conditions (16 Gauge avg. min.)

BUTT

POINT
 (Applies only to Step Taper type pile)

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONCRETE PILES

FAU ROUTE 5564

PROJECT: US 30 OVER THE HENNEPIN FEEDER CANAL

SECTION III BR-1

WHITESIDE COUNTY STATION 49+83.50

STRUCTURE NUMBER 098-0098

alfred benesch & company
 CONSULTING ENGINEERS
 233 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60610
 JOB NO. 2258

ESCA CONSULTANTS INC.

USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/5/2020

DESIGNED - SMA
 DRAWN - KAH
 CHECKED - ELH
 DATE - 10/19

REVISED -
 REVISED -
 REVISED -
 REVISED -

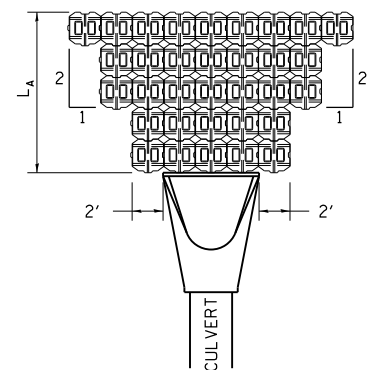
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS FOR INFORMATION ONLY

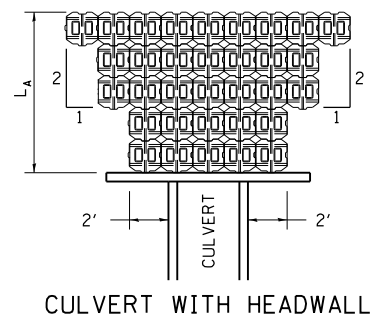
SCALE: NA SHEET 7 OF 7 SHEETS STA. TO STA.

| | | | | |
|--------------------|--------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 44 |
| CONTRACT NO. 64L74 | | | ILLINOIS FED. AID PROJECT | |

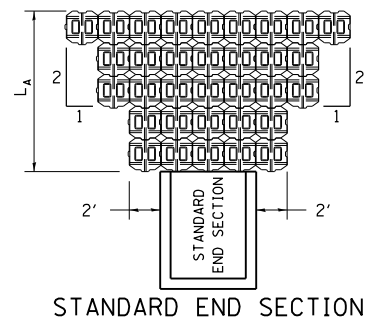
CONCRETE REVETMENT MAT AT END SECTIONS



L_A = APRON LENGTH (ft), SEE PLAN
 IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, INSTALL BLOCK BANK TO BANK FOR LENGTH (L_A).
 STANDARD END SECTION:
 542001 (PIPE), 542011 (ELLIPTICAL)
 DISTRICT STANDARD 10.1 (BOX).

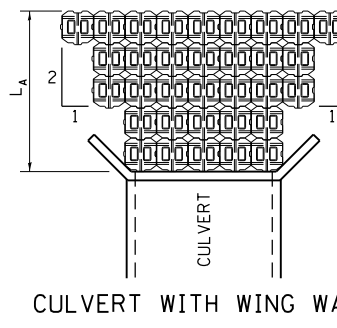


CULVERT WITH HEADWALL



STANDARD END SECTION

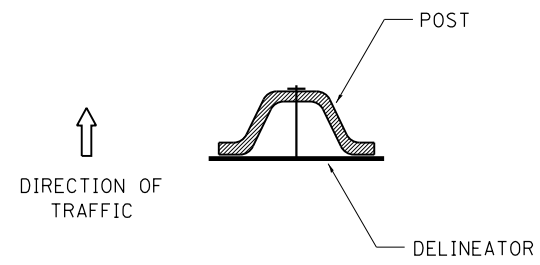
| Station | Offset | Velocity (ft/sec) | Slope (ft/ft) | Depth of Flow (ft) | Shear Stress (lb/ft ²) |
|---------|--------|-------------------|---------------|--------------------|------------------------------------|
| NW | | 7.6 | 0.1588 | 0.26 | 2.5 |
| SW | | 5.8 | 0.1529 | 0.17 | 1.6 |
| NE | | 8.1 | 0.2089 | 0.22 | 2.9 |
| SE | | 6.6 | 0.2518 | 0.14 | 2.1 |



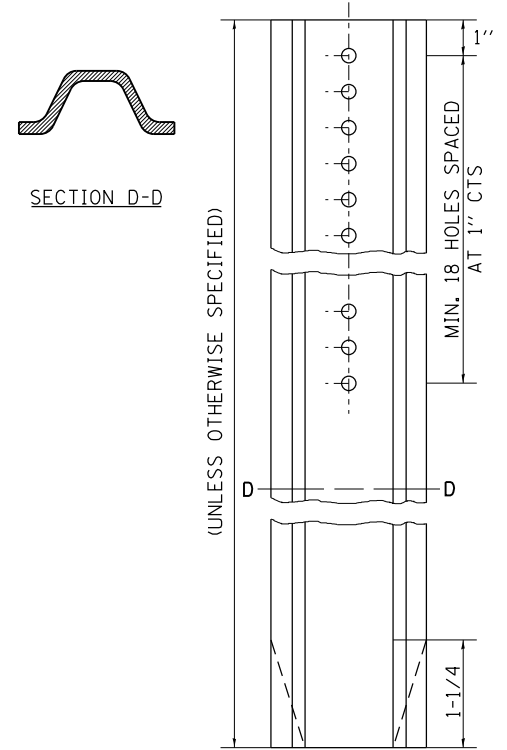
CULVERT WITH WING WALLS

CONCRETE REVETMENT MAT AT END SECTIONS

DELINEATOR AND POST ORIENTATION



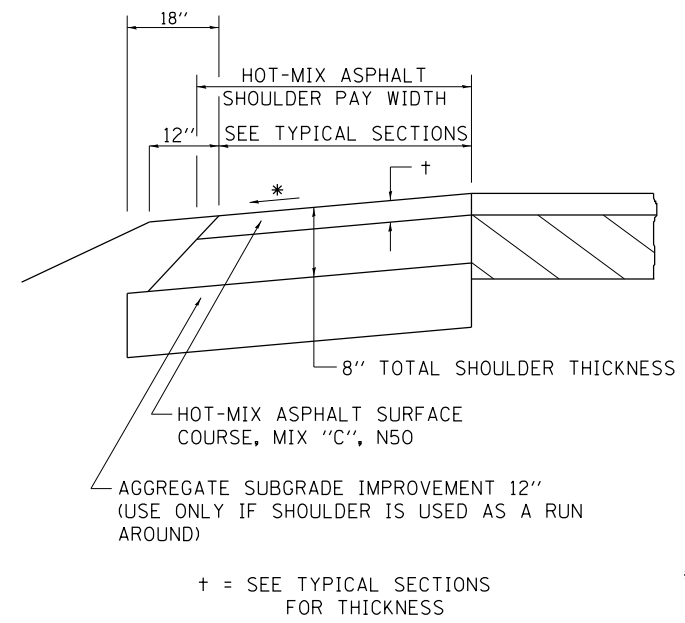
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



REVISED - 10-03-11

DELINEATOR AND POST ORIENTATION 37.4

HOT-MIX ASPHALT SHOULDER



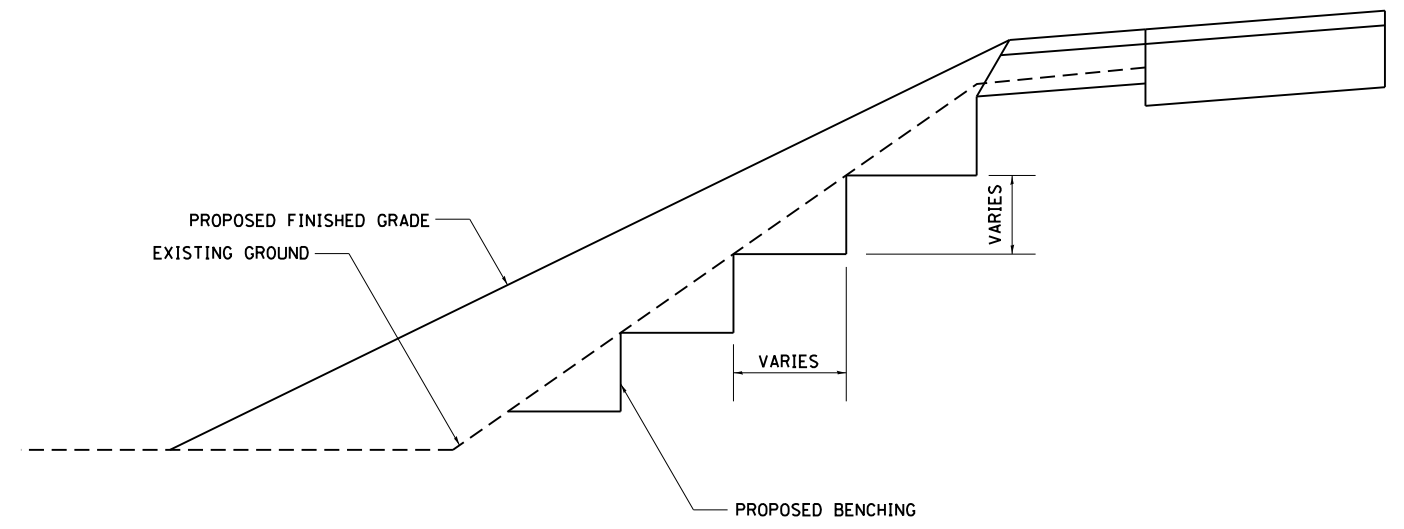
GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.
 USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS, THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.
 REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.
 *4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
 REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 22.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

PRINT DRIVER = #PLTW03
 SCALE NAME = #PLTW03
 FILE NAME = 55667.rvt
 USER = #PLTW03



USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/5/2020

DESIGNED - SMA
 DRAWN - KAH
 CHECKED - ELH
 DATE - 02/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

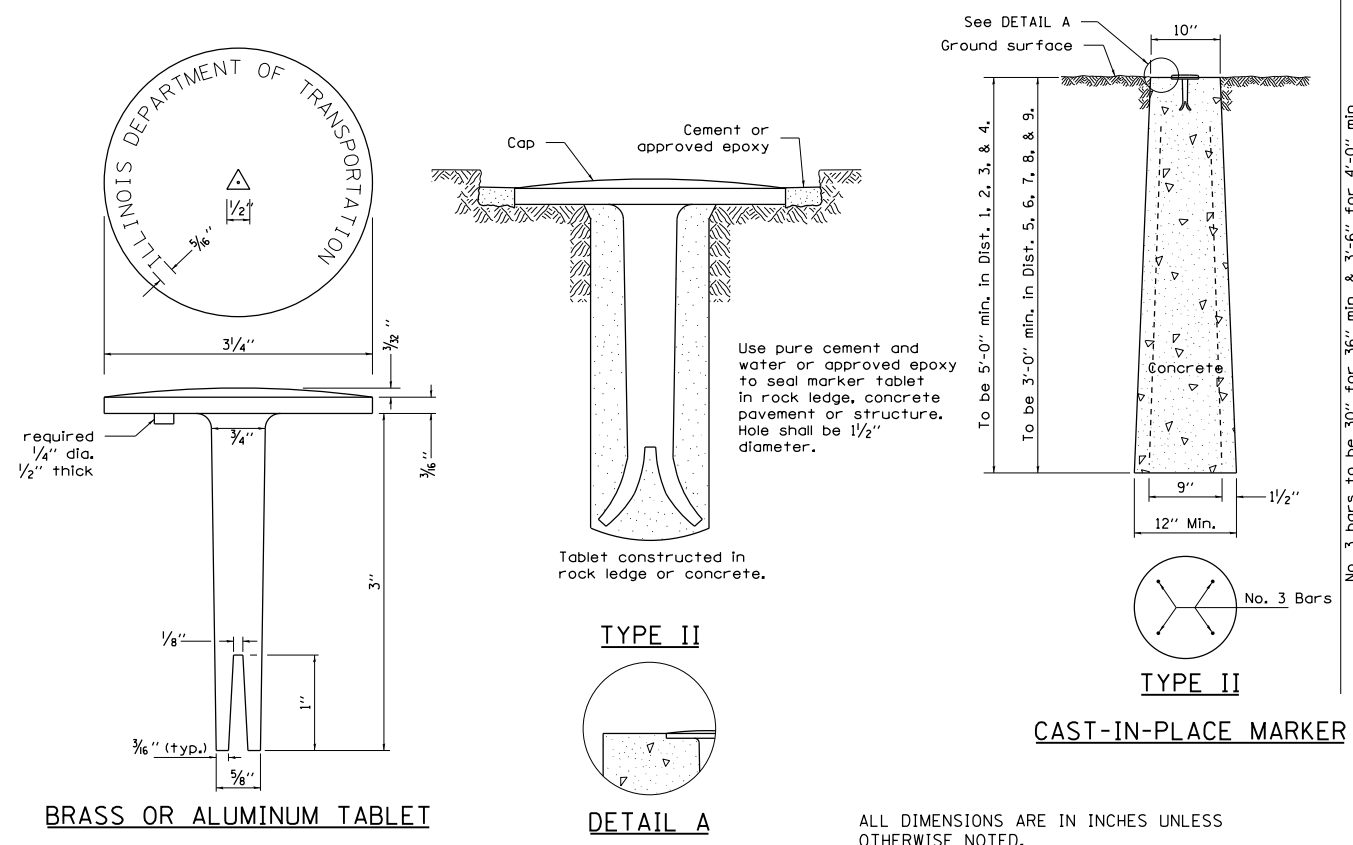
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REGION 2/DISTRICT 2 STANDARDS

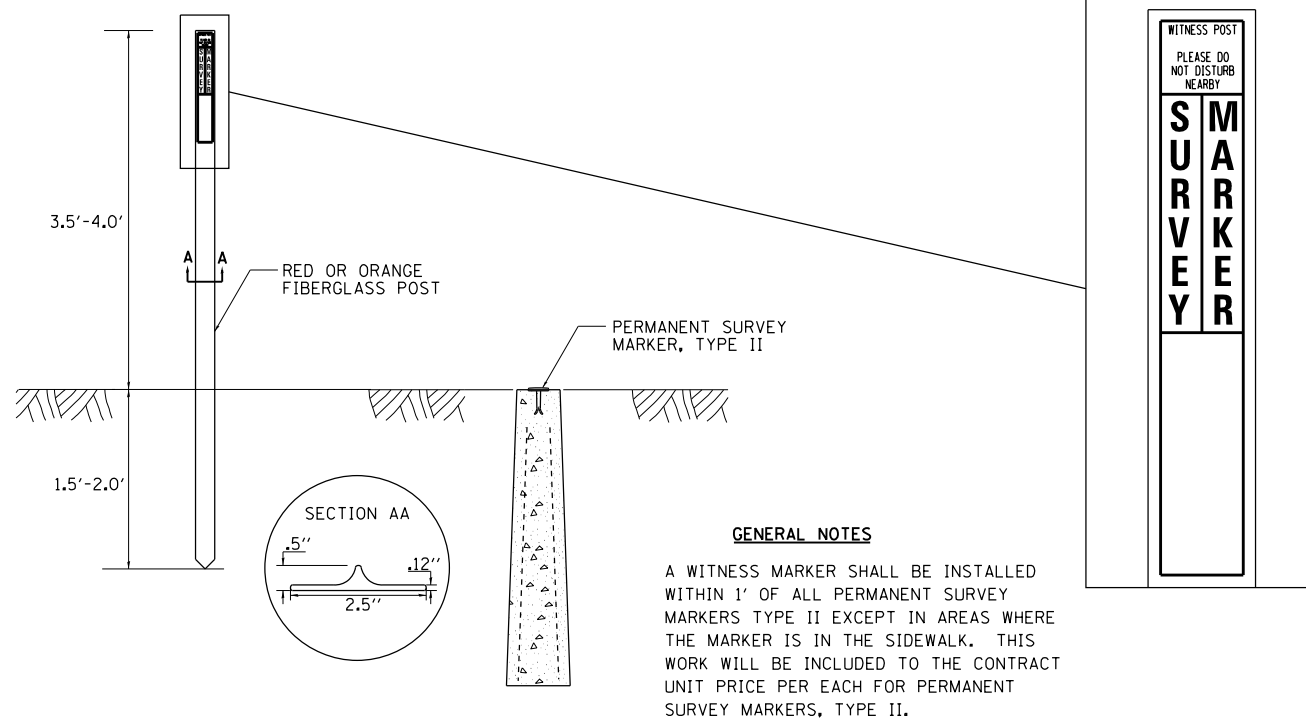
SCALE: NA SHEET 1 OF 7 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 45 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

PERMANENT SURVEY MARKERS, TYPE II



WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



REVISED - 6-27-14
REVISED - 10-14-11

PERMANENT SURVEY MARKERS, TYPE II 66.2

PRINT DRIVER = #BLTNB3
SCALE NAME = PLOT
FILE NAME = 20200227-111401402.dwg



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

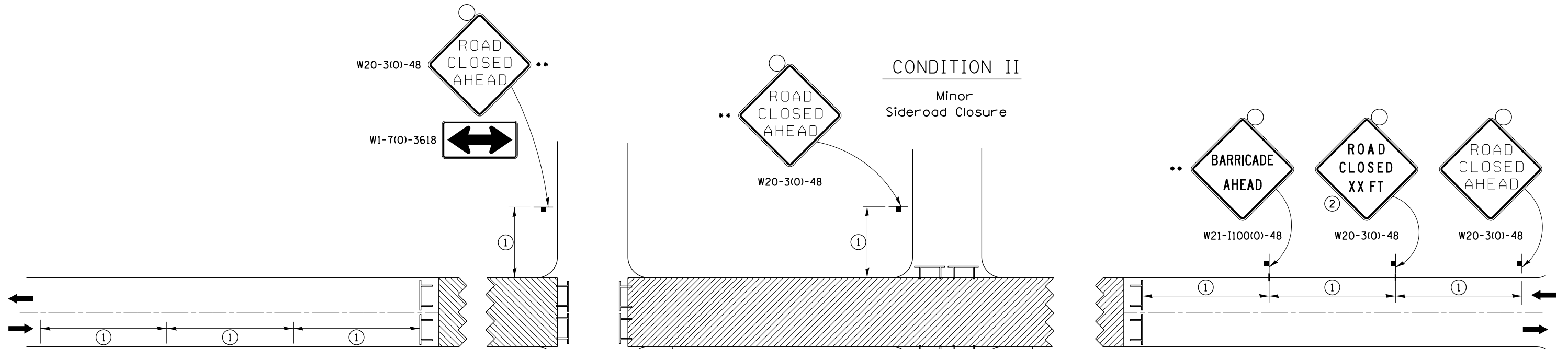
REGION 2/DISTRICT 2 STANDARDS

SCALE: NA SHEET 2 OF 7 SHEETS STA. TO STA.




| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 46 |
| CONTRACT NO. 64L74 | | | | |

ILLINOIS FED. AID PROJECT

TRAFFIC CONTROL FOR ROAD CLOSURE



SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

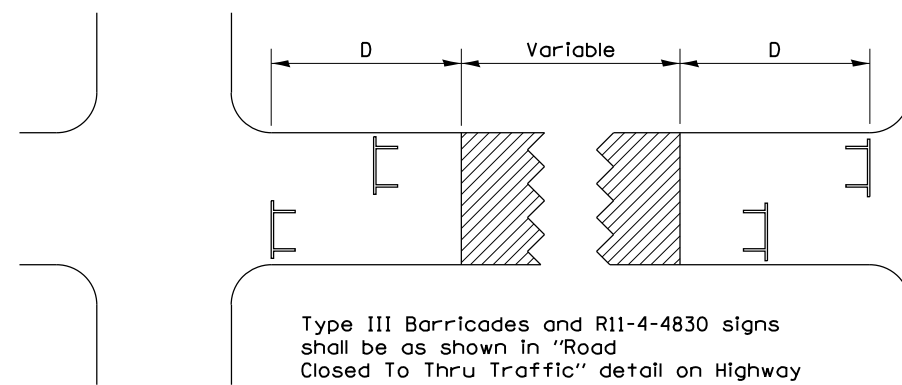
①

| SIGN SPACING TABLE | |
|--------------------|--------------|
| Posted Speed | Sign Spacing |
| 45 MPH and above | 500' |
| Below 45 MPH | 250' |

②

| SIGN LEGEND | |
|--------------------|----------|
| Posted Speed Limit | Distance |
| 45 MPH and above | 1000' |
| Below 45 MPH | 500' |

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

CONDITION I

Major Sideroad Closure

CONDITION II

Minor Sideroad Closure

TYPICAL APPLICATION FOR ROAD CLOSURE

TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

PRINT DRIVER = B. LUTWINE
SCALE NAME = PLUT
FILE NAME = 20200724-111BR-1J-BDR



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

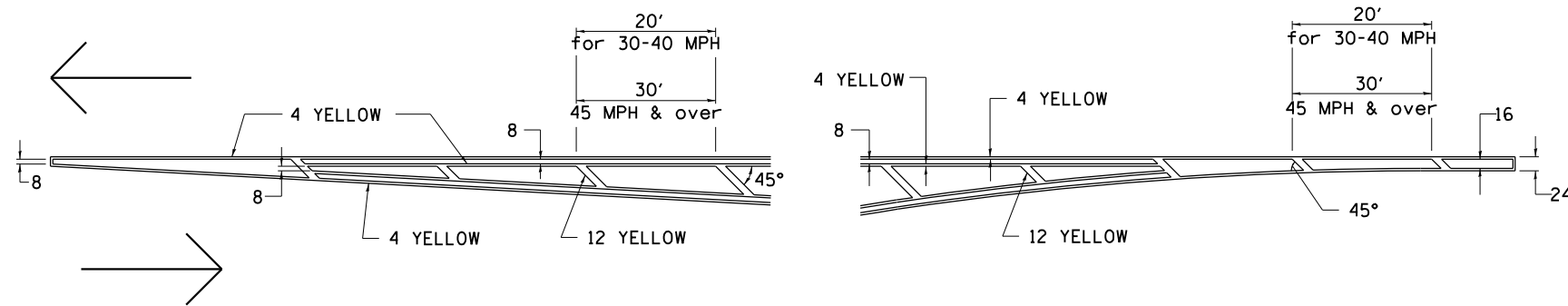
REGION 2/DISTRICT 2 STANDARDS

SCALE: NA SHEET 3 OF 7 SHEETS STA. TO STA.

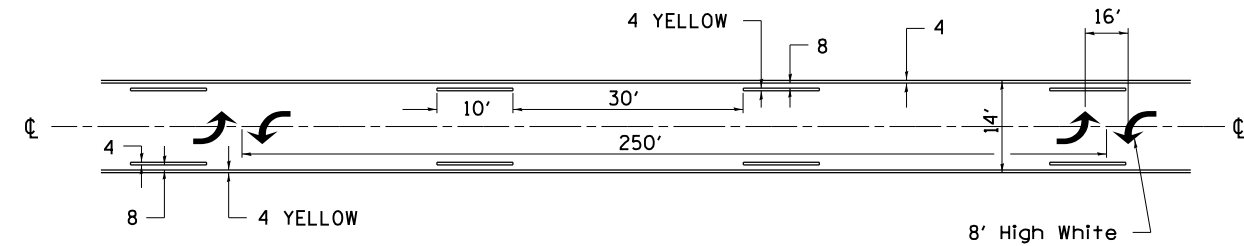
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 47 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

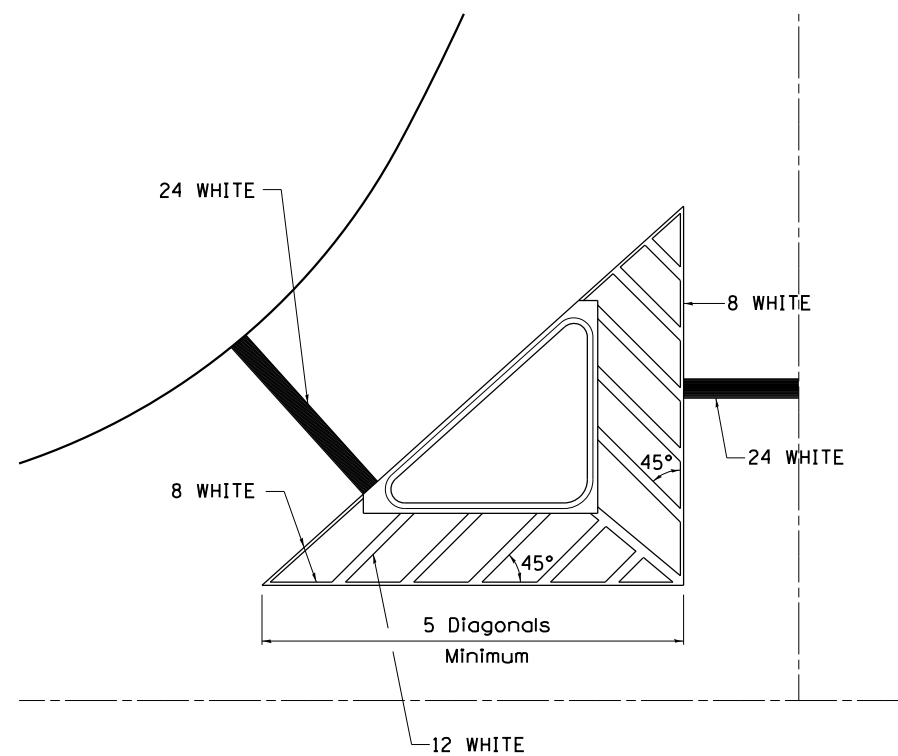


MEDIAN PAVEMENT MARKING



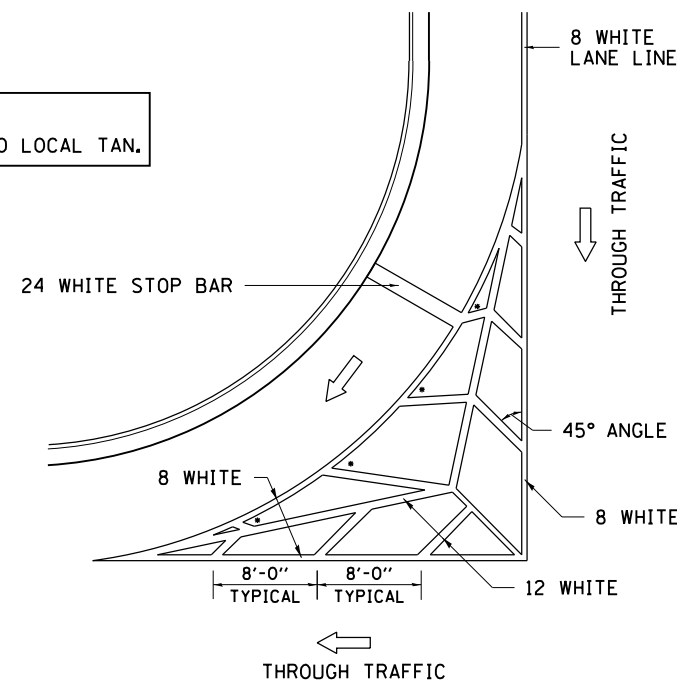
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



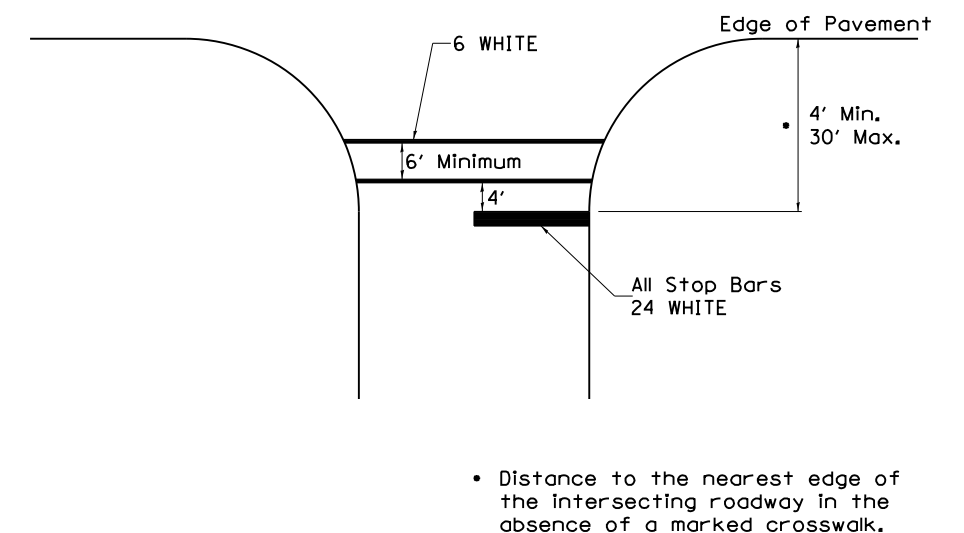
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

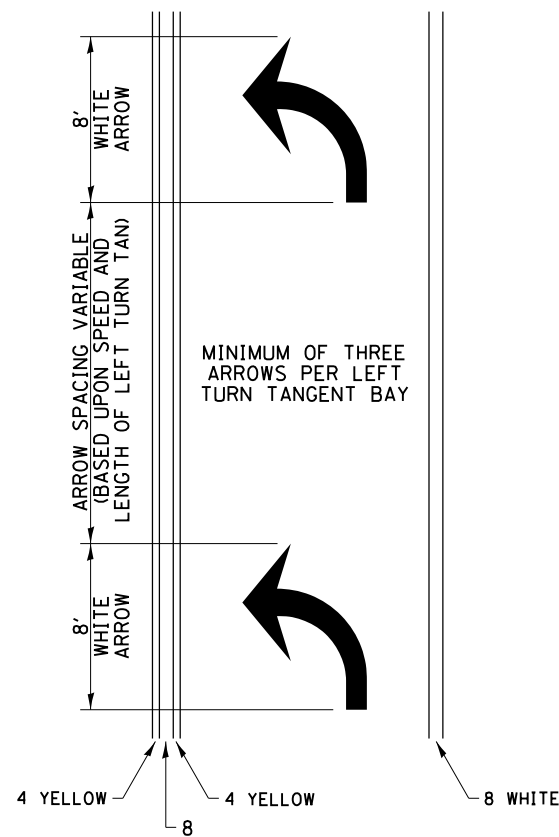
See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

TYPICAL PAVEMENT MARKINGS

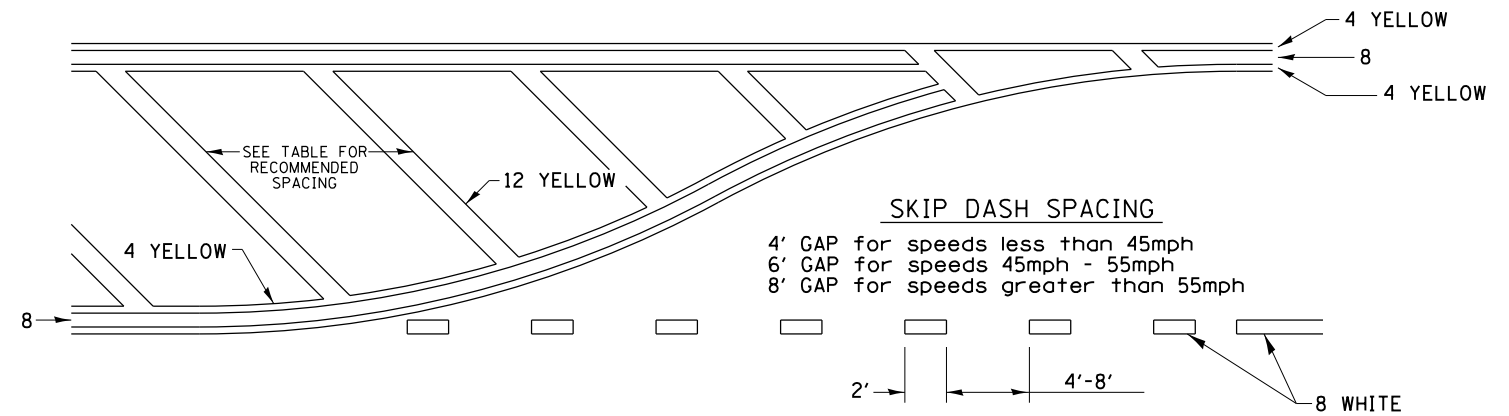
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

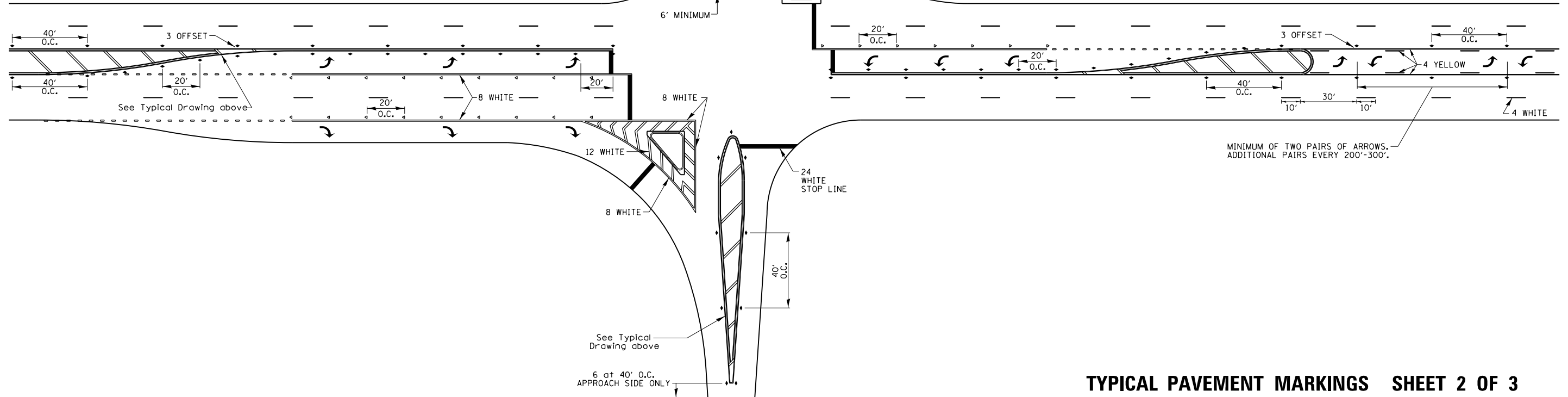
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



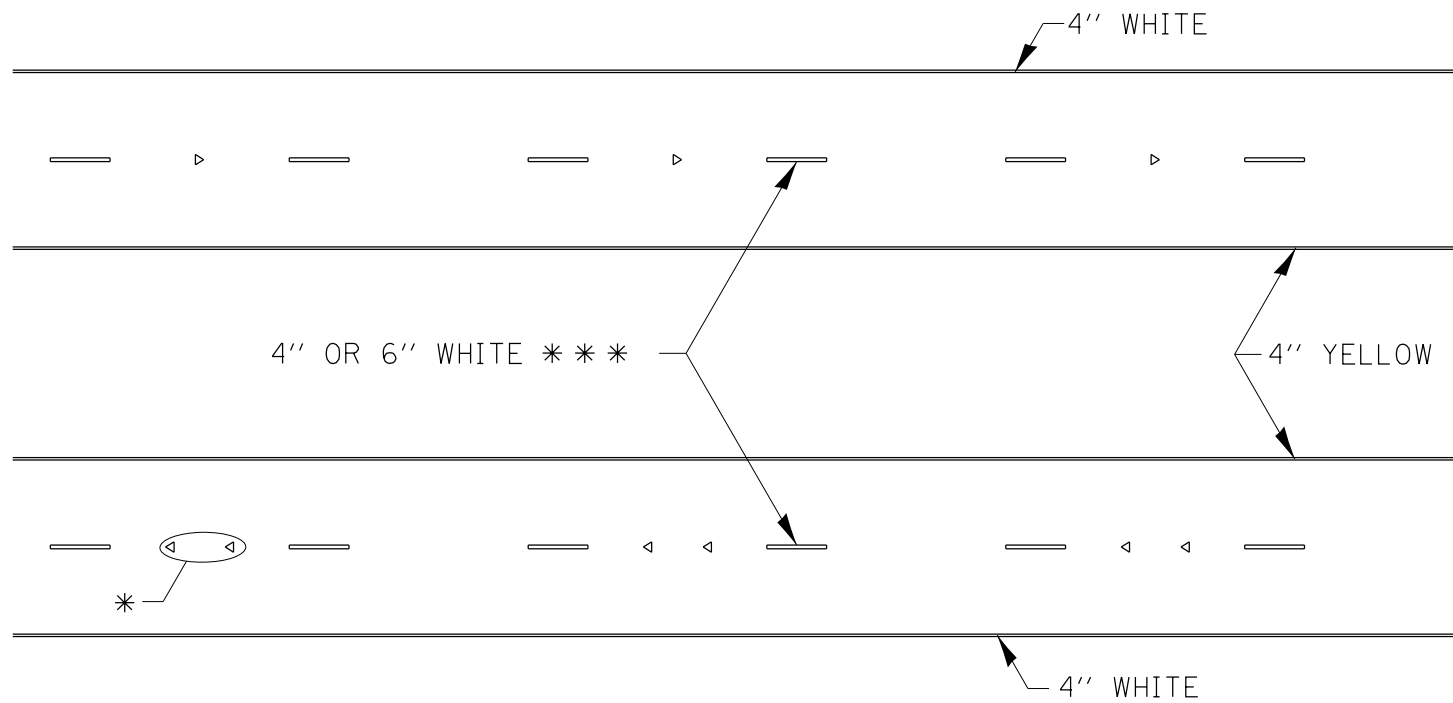
RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

| Speed Limit Range | Continuous Median Area | Intersection Channelization | Objects (Islands) |
|-------------------|------------------------|-----------------------------|-------------------|
| less than 30MPH | 50' | 15' | 10' |
| 30-40MPH | 75' | 20' | 15' |
| 45MPH & over | 75' | 30' | 20' |

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

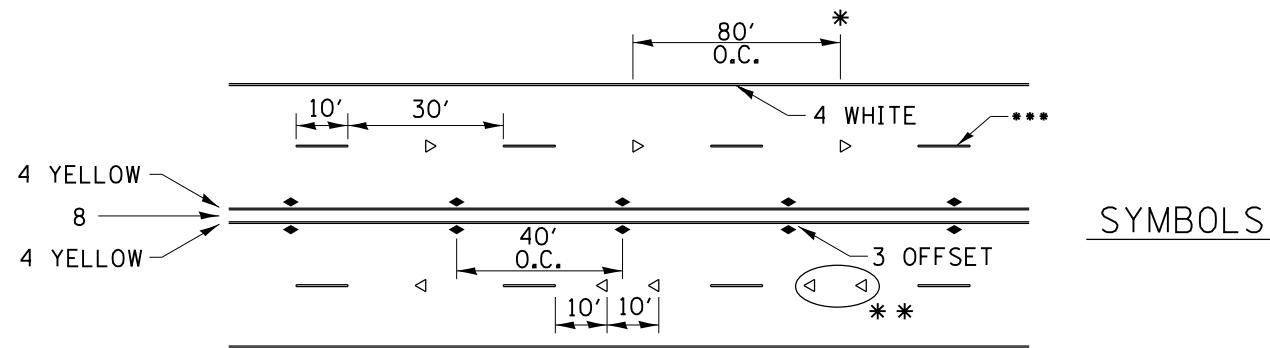


TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED

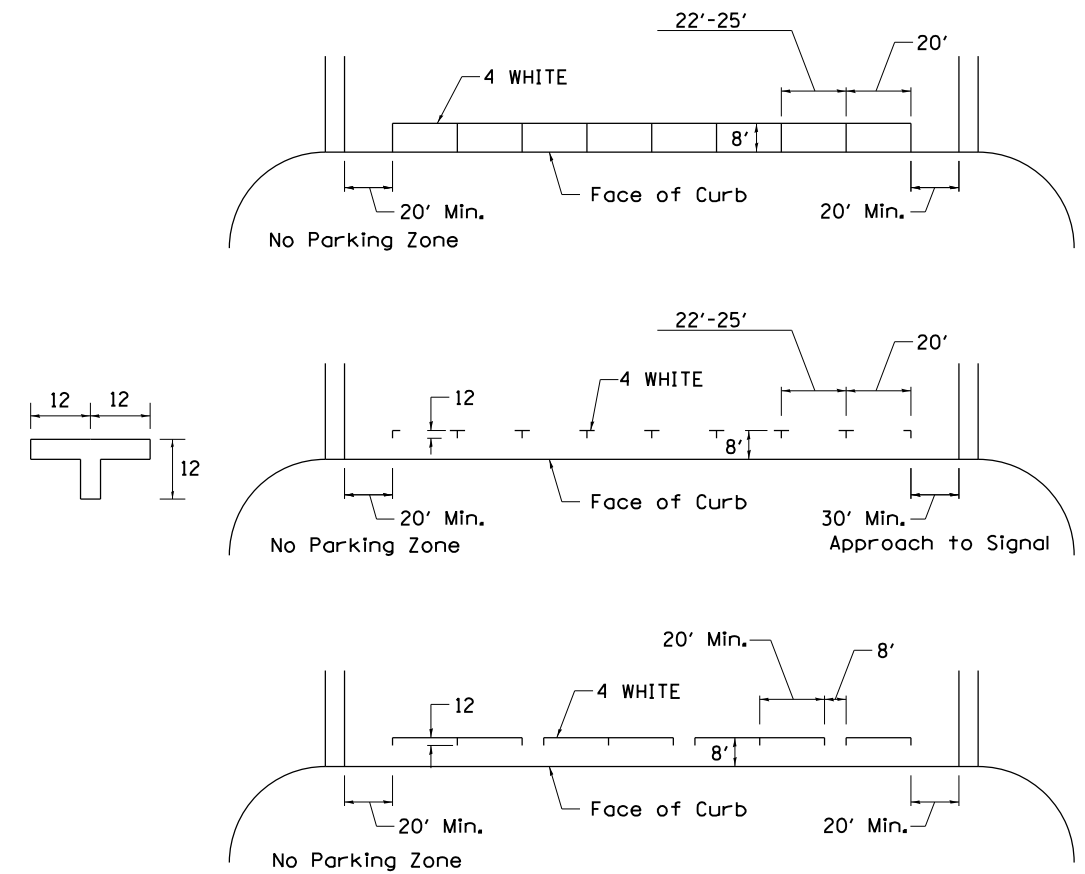


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

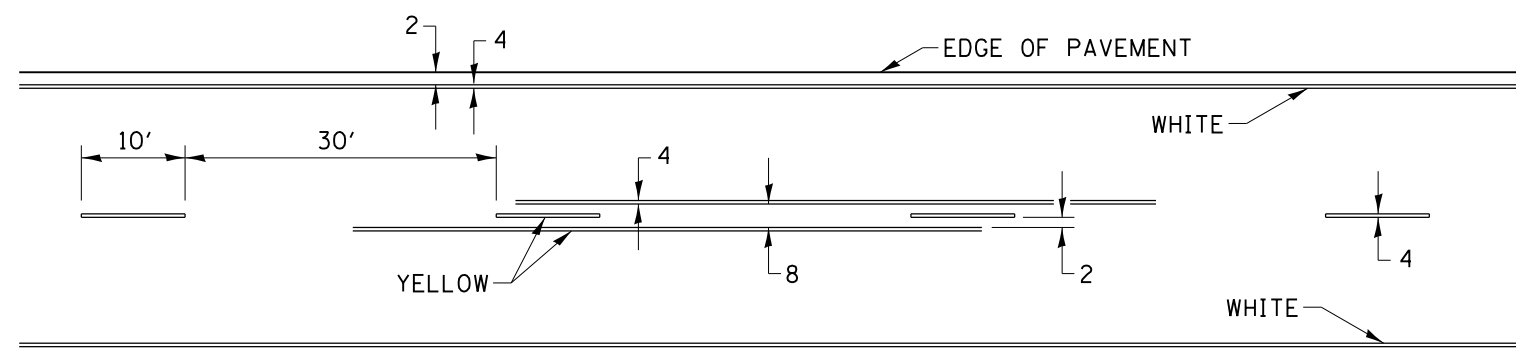
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

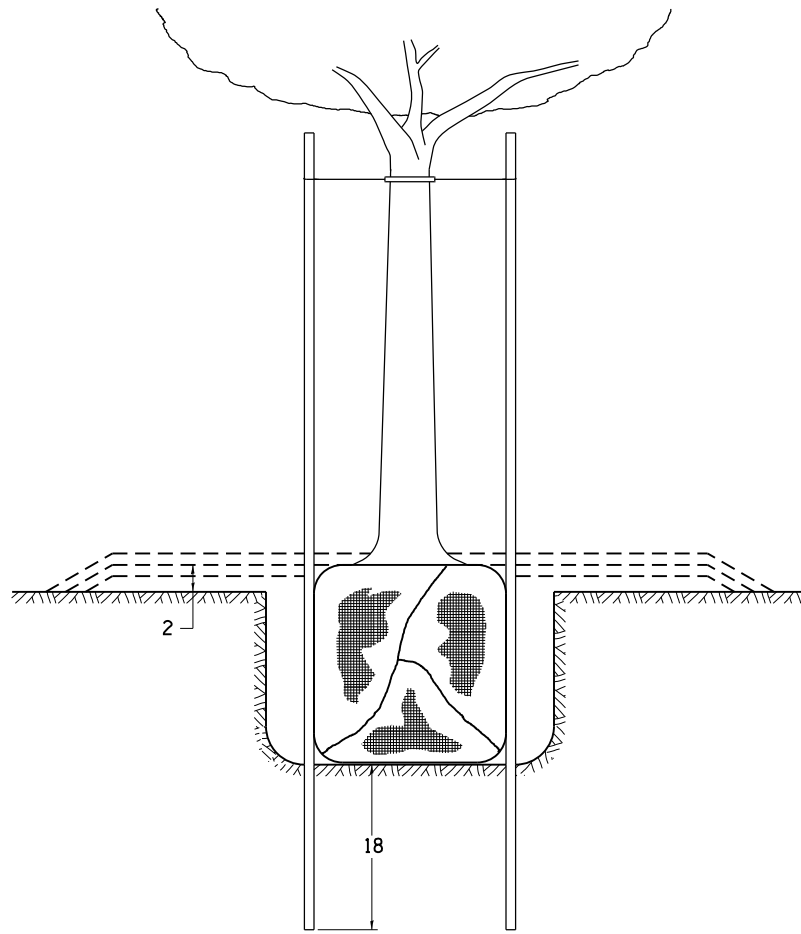
TYPICAL PARKING SPACING



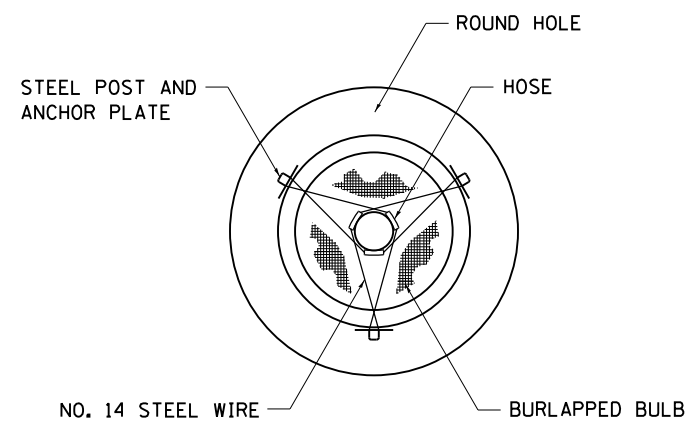
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



DETAILS OF PLANTING AND BRACING TREES

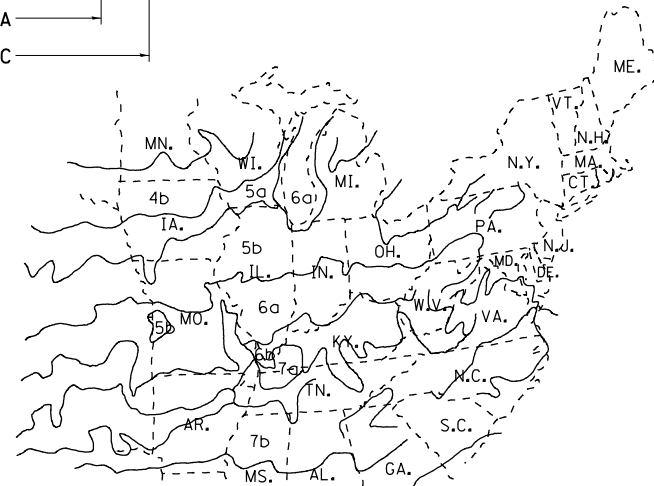
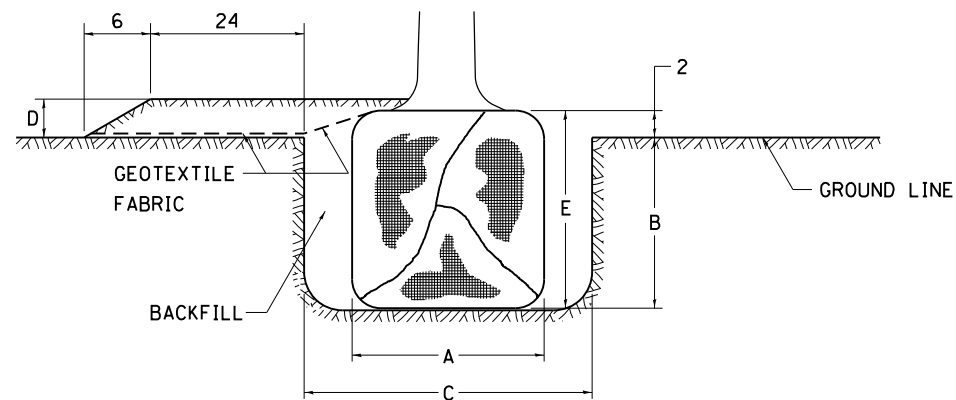


TREES SMALLER THAN 4 1/2 IN DIAMETER

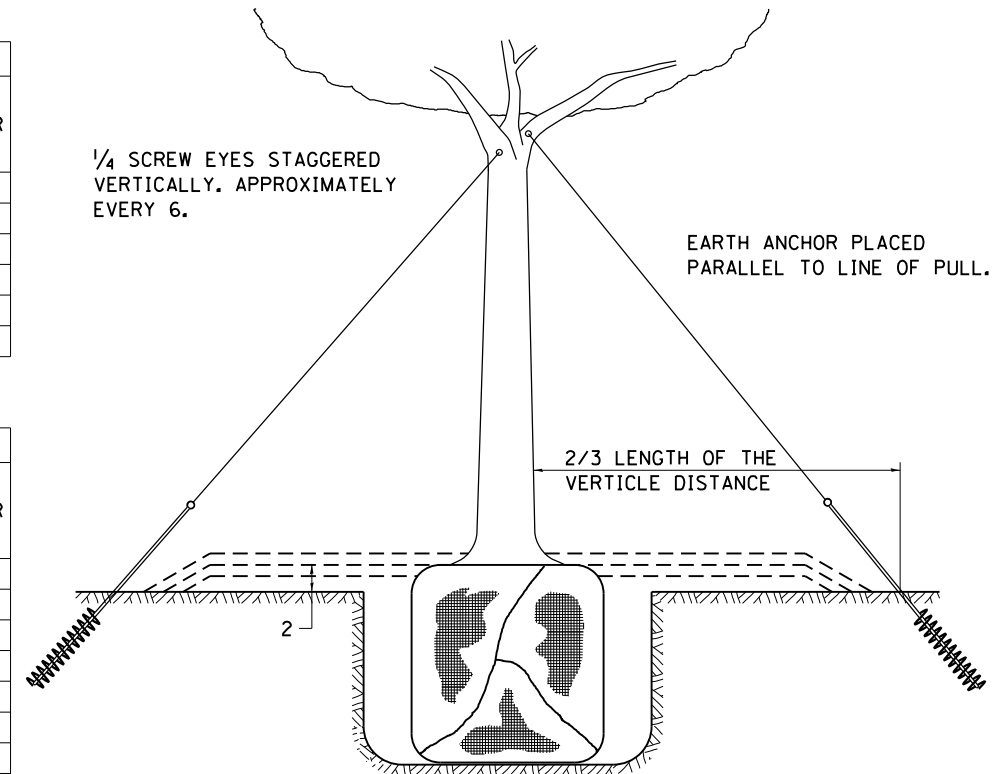


| SMALL | A | B | C | D | E | F |
|------------|-------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------------|
| TREE SIZE | DIAMETER OF BALL OR ROOT SYS. | DEPTH OF HOLE EXCAVATION | WIDTH OF HOLE EXCAVATION | THICKNESS OF MULCH COVER | DEPTH OF BALL OR ROOT SYS. | VOLUME OF MULCH COVER CU. YDS. |
| 5'-6' | 16 | 10 | 30 | 4 | 12 | 0.54 |
| 5'-6' BB | 16 | 10 | 30 | 4 | 12 | 0.54 |
| 6'-7' BB | 18 | 12 | 30 | 4 | 14 | 0.54 |
| 7'-8' BB | 20 | 11 | 30 | 4 | 13 | 0.54 |
| 8'-10' BB | 24 | 14 | 36 | 4 | 16 | 0.61 |
| 10'-12' BB | 26 | 15 | 36 | 4 | 17 | 0.61 |

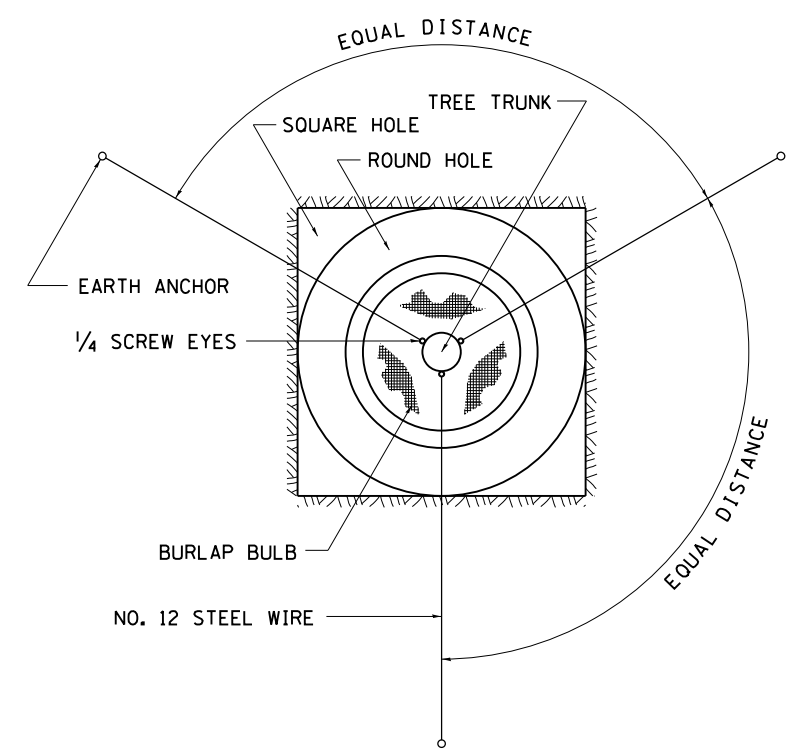
| LARGE | A | B | C | D | E | F |
|------------|-------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------------|
| TREE SIZE | DIAMETER OF BALL OR ROOT SYS. | DEPTH OF HOLE EXCAVATION | WIDTH OF HOLE EXCAVATION | THICKNESS OF MULCH COVER | DEPTH OF BALL OR ROOT SYS. | VOLUME OF MULCH COVER CU. YDS. |
| 0-2 | 20 | 11 | 36 | 4 | 13 | 0.61 |
| 2-2 1/2 BB | 24 | 14 | 48 | 4 | 16 | 0.78 |
| 2 1/2-3 BB | 28 | 17 | 48 | 4 | 19 | 0.78 |
| 3-3 1/2 BB | 32 | 17 | 60 | 4 | 19 | 0.96 |
| 3 1/2-4 BB | 36 | 20 | 60 | 4 | 22 | 0.96 |
| 4-4 1/2 BB | 40 | 22 | 72 | 4 | 24 | 1.16 |
| 4 1/2-5 BB | 44 | 24 | 72 | 4 | 26 | 1.16 |
| 5-5 1/2 BB | 48 | 27 | 84 | 4 | 29 | 1.38 |



PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 4 1/2 IN DIAMETER



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-18-11

DETAILS OF PLANTING AND BRACING TREES 92.1

PRINT DRIVER = WALTERS
SCALE = 1/4" = 1'-0"
FILE NAME = 111BR-1JDR



| | | |
|----------------------------|----------------|-----------|
| USER NAME = sma | DESIGNED - SMA | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - SMA | REVISED - |
| PLOT SCALE = 0.1667' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 11/19 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

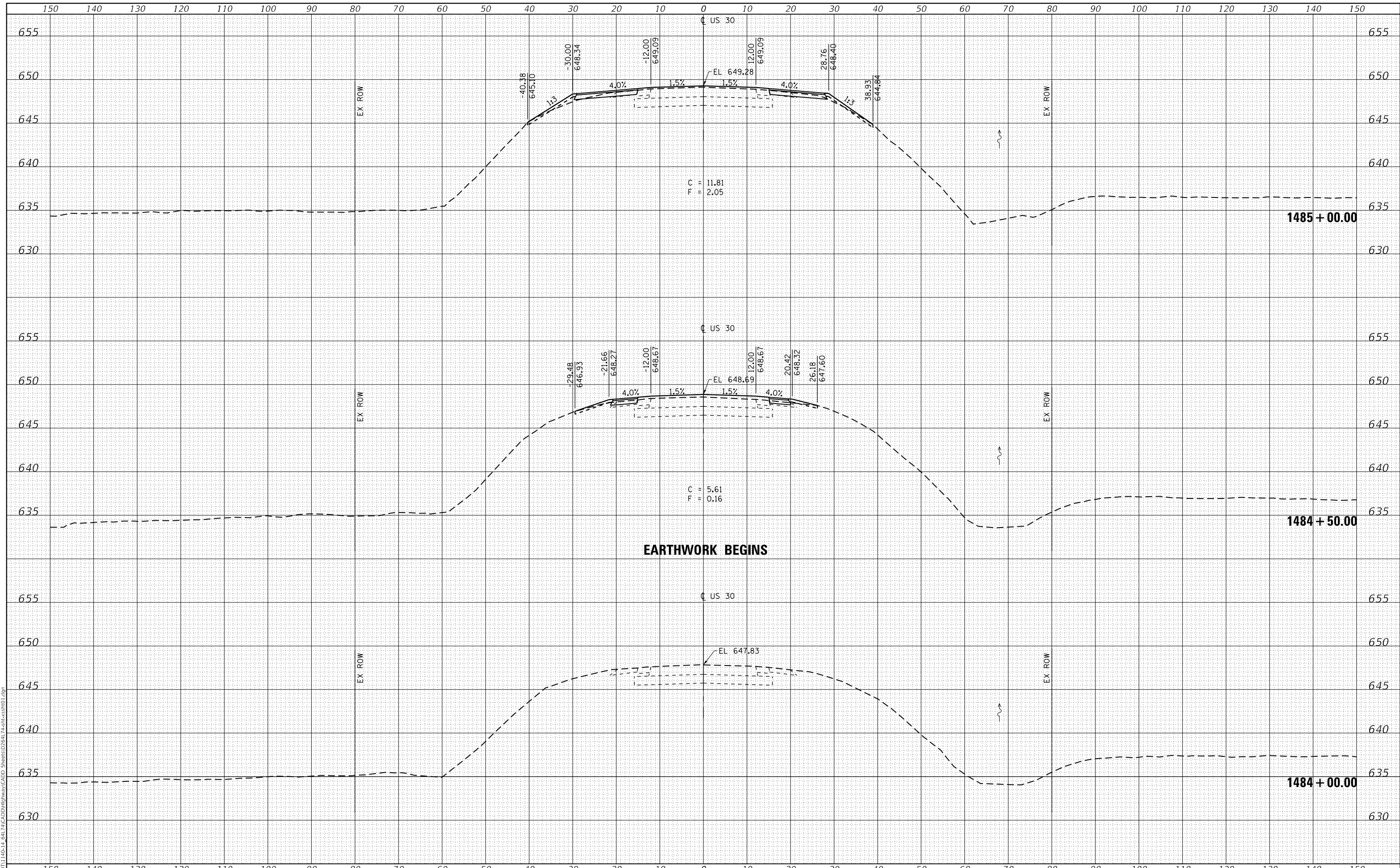
REGION 2/DISTRICT 2 STANDARDS
SCALE: NA SHEET 7 OF 7 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 51 |
| CONTRACT NO. 64L74 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Definit
 FILE NAME: T:\DOT\1140-14-641\741CAD\Highway\CADD Sheets\254174241cxs8r01.dgn



EARTHWORK BEGINS



USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/5/2020

DESIGNED - SMA
 DRAWN - KAH
 CHECKED - ELH
 DATE - 10/19

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US 30 CROSS SECTIONS

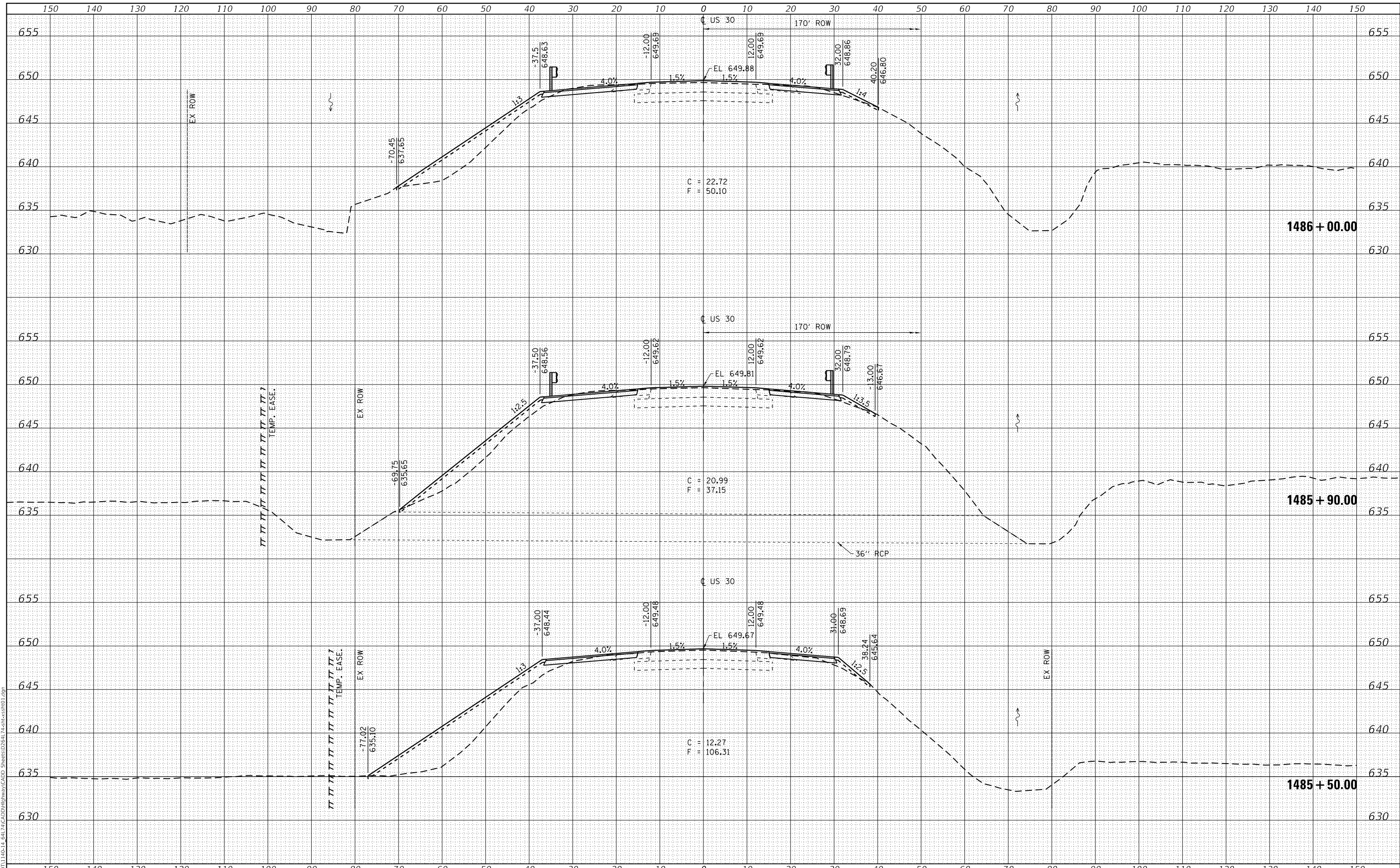
SCALE: AS SHOWN SHEET 1 OF 5 SHEETS STA. 1484+50.00 TO STA. 1485+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 52 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
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| FINAL SURVEY | SURVEYED |
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MODEL: Defaul
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USER NAME = sma
ESCA PROJECT NO. 1140.14
PLOT SCALE = 20.0000' / in.
PLOT DATE = 3/5/2020

DESIGNED - SMA
DRAWN - KAH
CHECKED - ELH
DATE - 10/19

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 30 CROSS SECTIONS

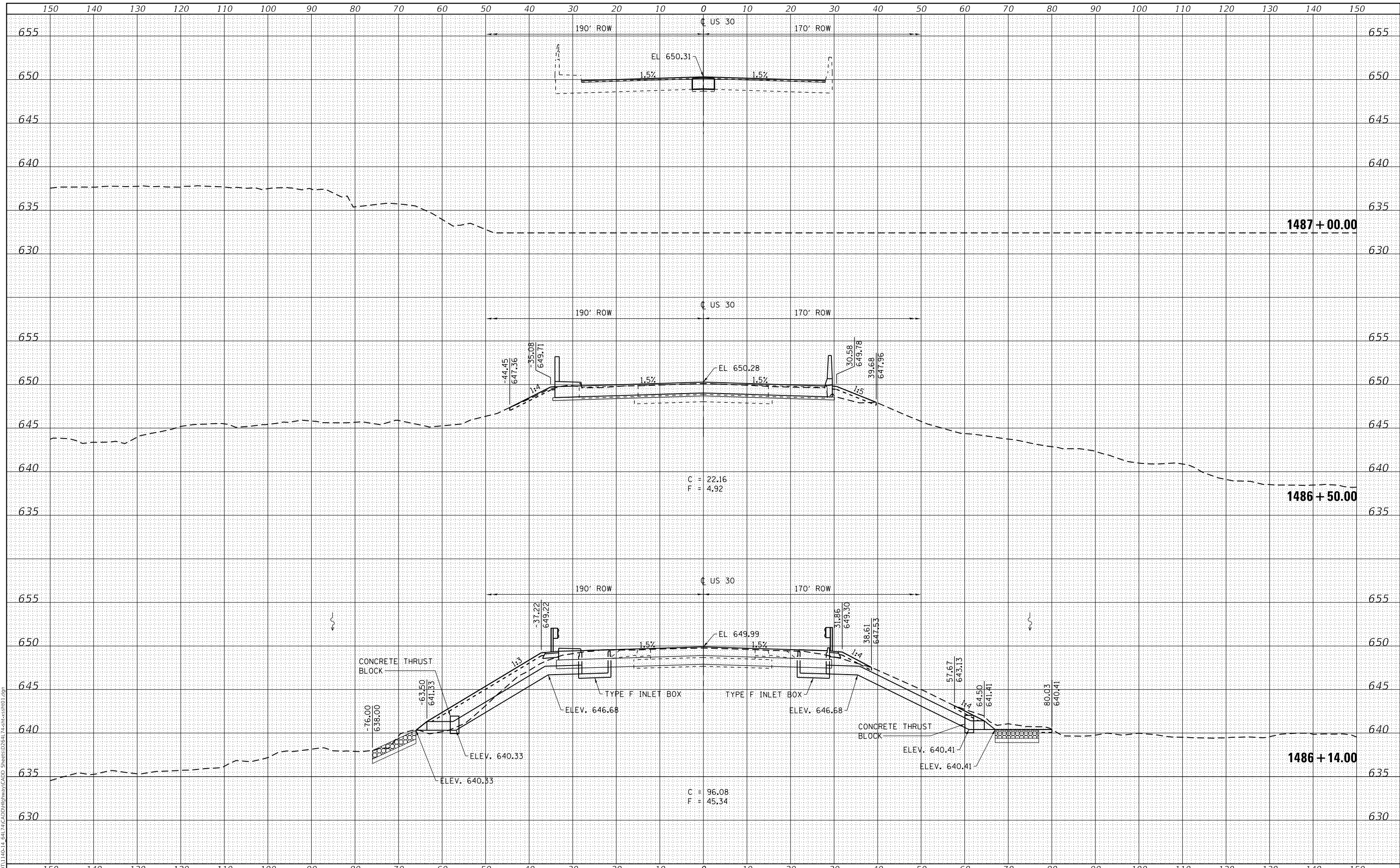
SCALE: AS SHOWN SHEET 2 OF 5 SHEETS STA. 1485+50.00 TO STA. 1486+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 53 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | SURVEYED |
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USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/9/2020

DESIGNED - SMA
 DRAWN - KAH
 CHECKED - ELH
 DATE - 10/19

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US 30 CROSS SECTIONS

SCALE: AS SHOWN SHEET 3 OF 5 SHEETS STA. 1486+14.00 TO STA. 1487+00.00

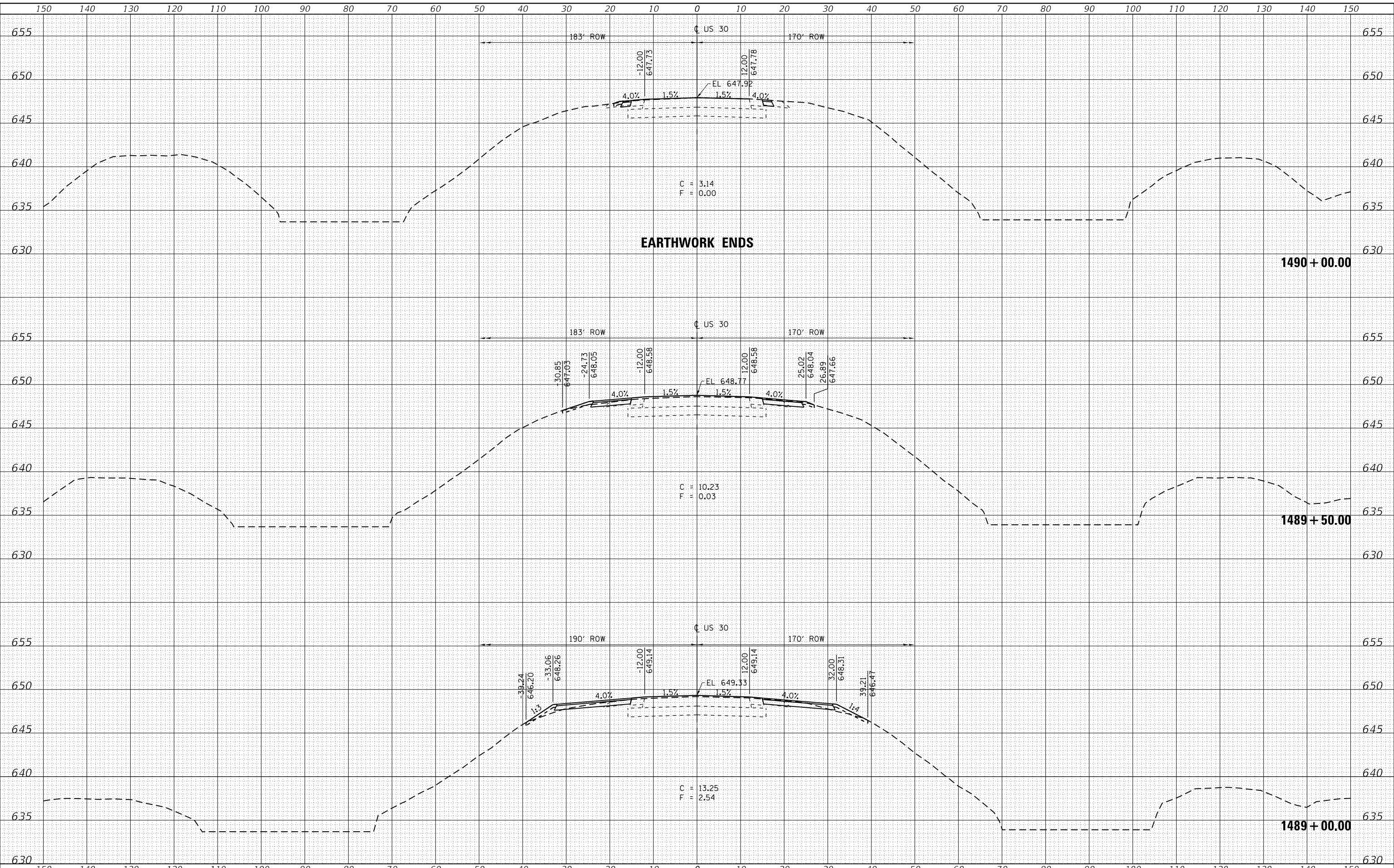
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 54 |
| | | | CONTRACT NO. 64L74 | |

ILLINOIS FED. AID PROJECT

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| USER NAME | = sma |
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| ESCA PROJECT NO. | 1140.14 |
| DRAWN | - KAH |
| PLOT SCALE | = 20.0000' / in. |
| CHECKED | - ELH |
| PLOT DATE | = 3/5/2020 |
| DATE | - 10/19 |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US 30 CROSS SECTIONS

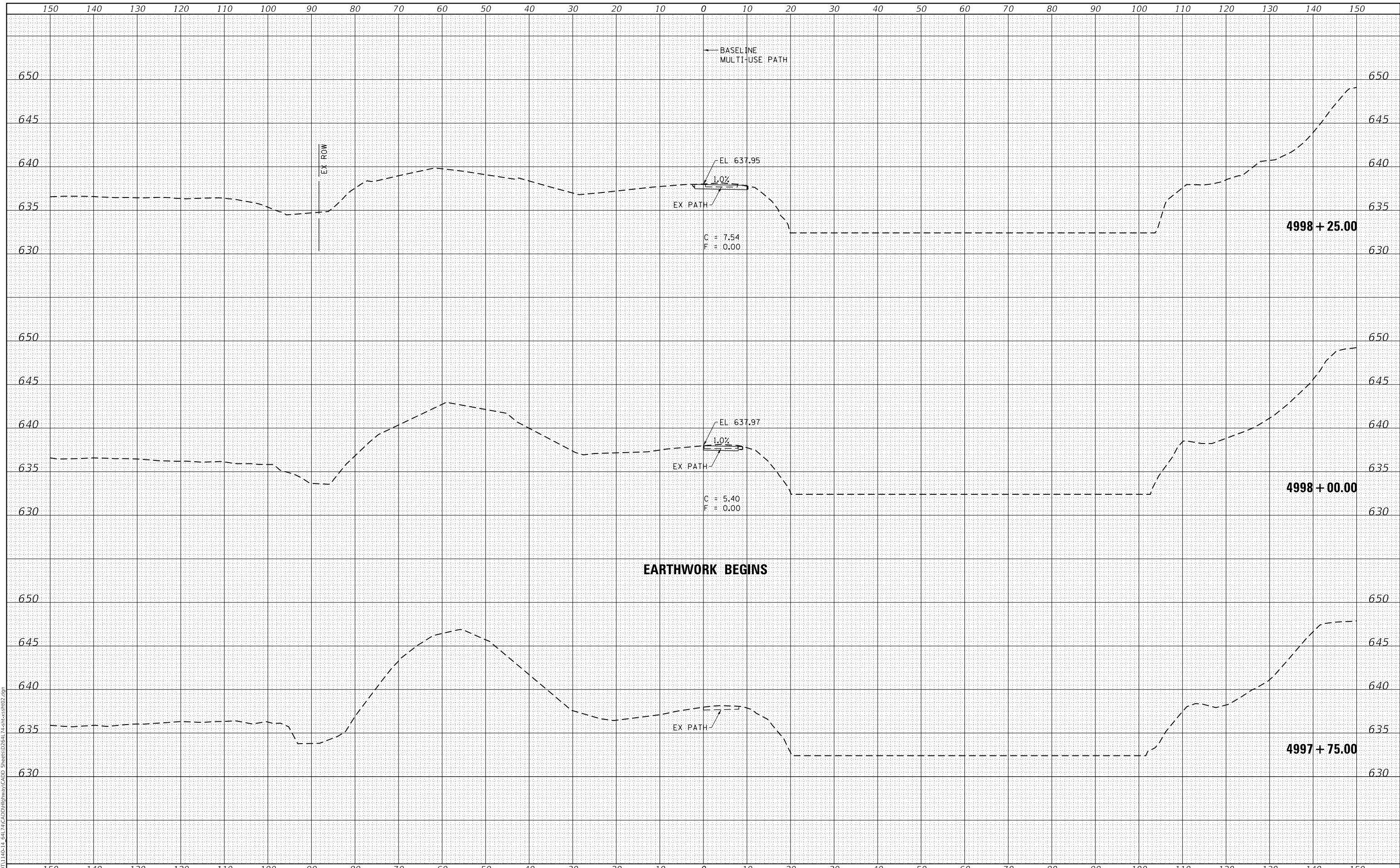
SCALE: AS SHOWN SHEET 5 OF 5 SHEETS STA. 1489+00.00 TO STA. 1489+50.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 56 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| USER NAME | = sma |
| ESCA PROJECT NO. | 1140.14 |
| PLOT SCALE | = 20.0000' / in. |
| PLOT DATE | = 3/5/2020 |

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| DESIGNED | - ELH |
| DRAWN | - KAH |
| CHECKED | - ELH |
| DATE | - 02/20 |

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MULTI-USE PATH CROSS SECTIONS

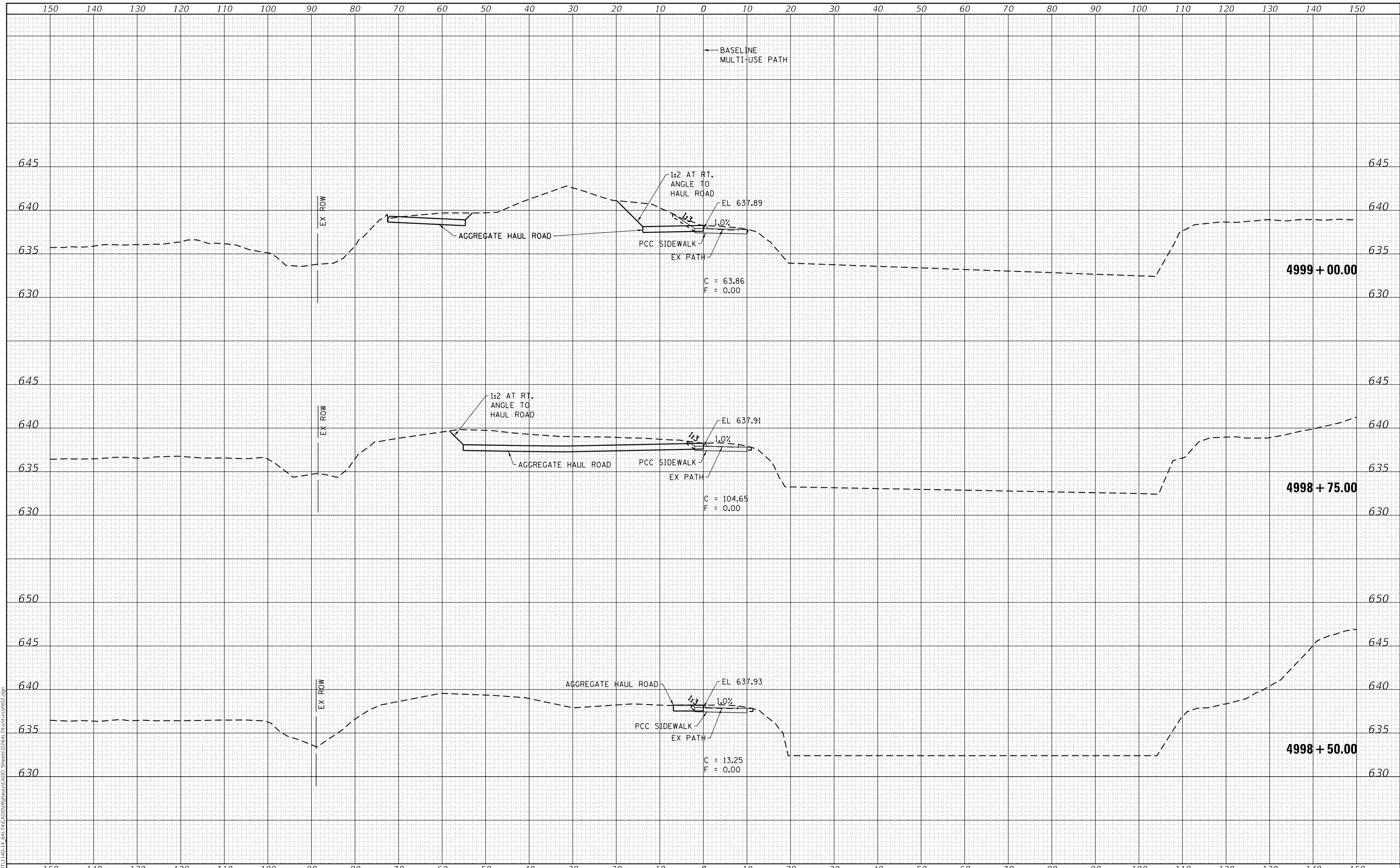
SCALE: AS SHOWN SHEET 1 OF 5 SHEETS STA. 4997+75.00 TO STA. 4998+25.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 57 |
| | | | CONTRACT NO. 64L74 | |
| | | | ILLINOIS FED. AID PROJECT | |

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| AREAS CHECKED | |
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| NOTE BOOK NO. | |
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| NOTE BOOK NO. | |
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USER NAME = sma
 ESCA PROJECT NO. 1140.14
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/5/2020

DESIGNED - ELH
 DRAWN - KAH
 CHECKED - ELH
 DATE - 10/19

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH CROSS SECTIONS

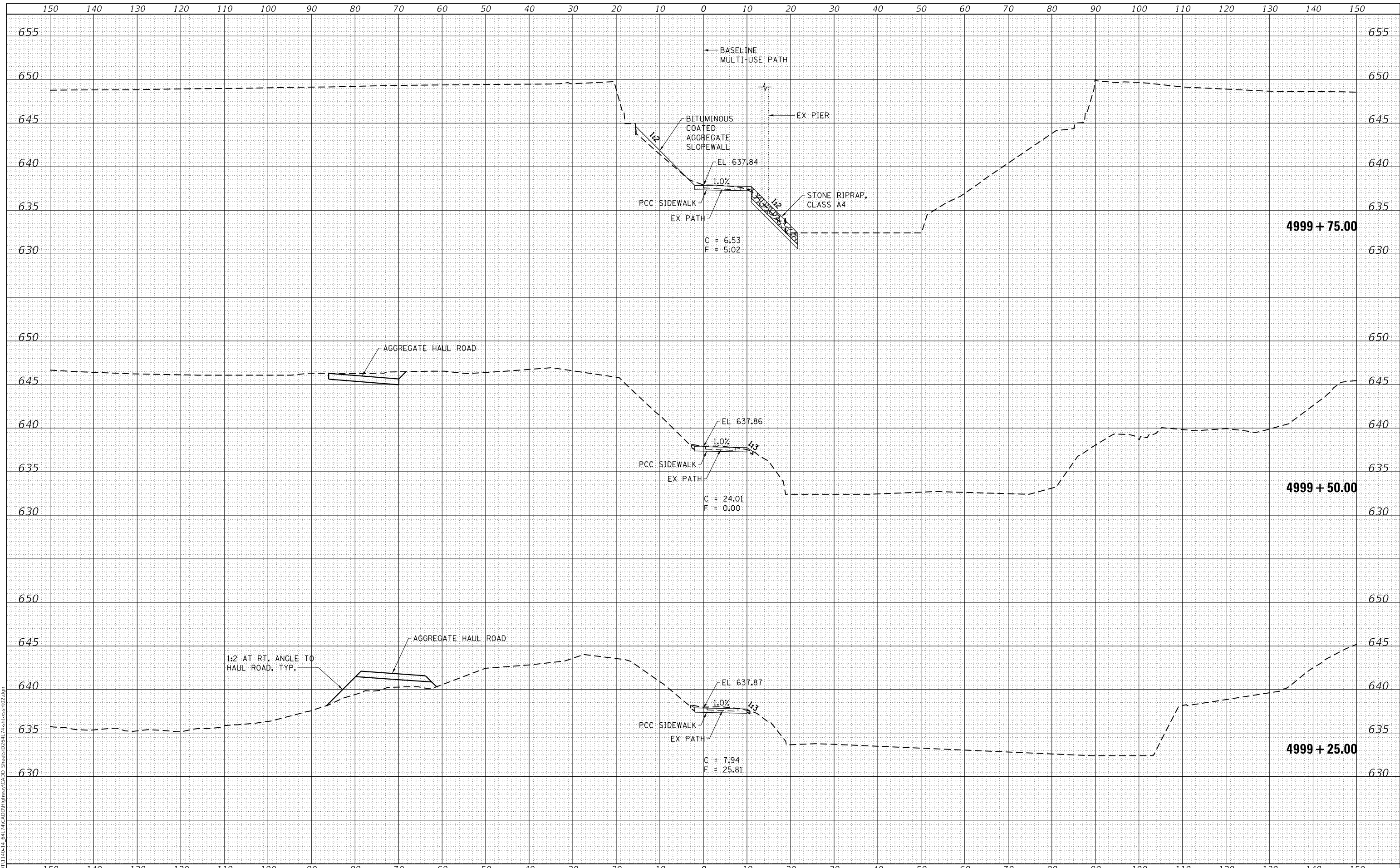
SCALE: AS SHOWN SHEET 2 OF 5 SHEETS STA. 4998+50.00 TO STA. 4999+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|-----------|---------------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 58 |
| | | | CONTRACT NO. 64L74 | |
| | | | ILLINOIS FED. AID PROJECT | |

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| NOTE BOOK | PLOTTED |
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| | AREAS CHECKED |

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USER NAME = sma
ESCA PROJECT NO. 1140.14
PLOT SCALE = 20.0000' / in.
PLOT DATE = 3/5/2020

DESIGNED - ELH
DRAWN - KAH
CHECKED - ELH
DATE - 10/19

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MULTI-USE PATH CROSS SECTIONS

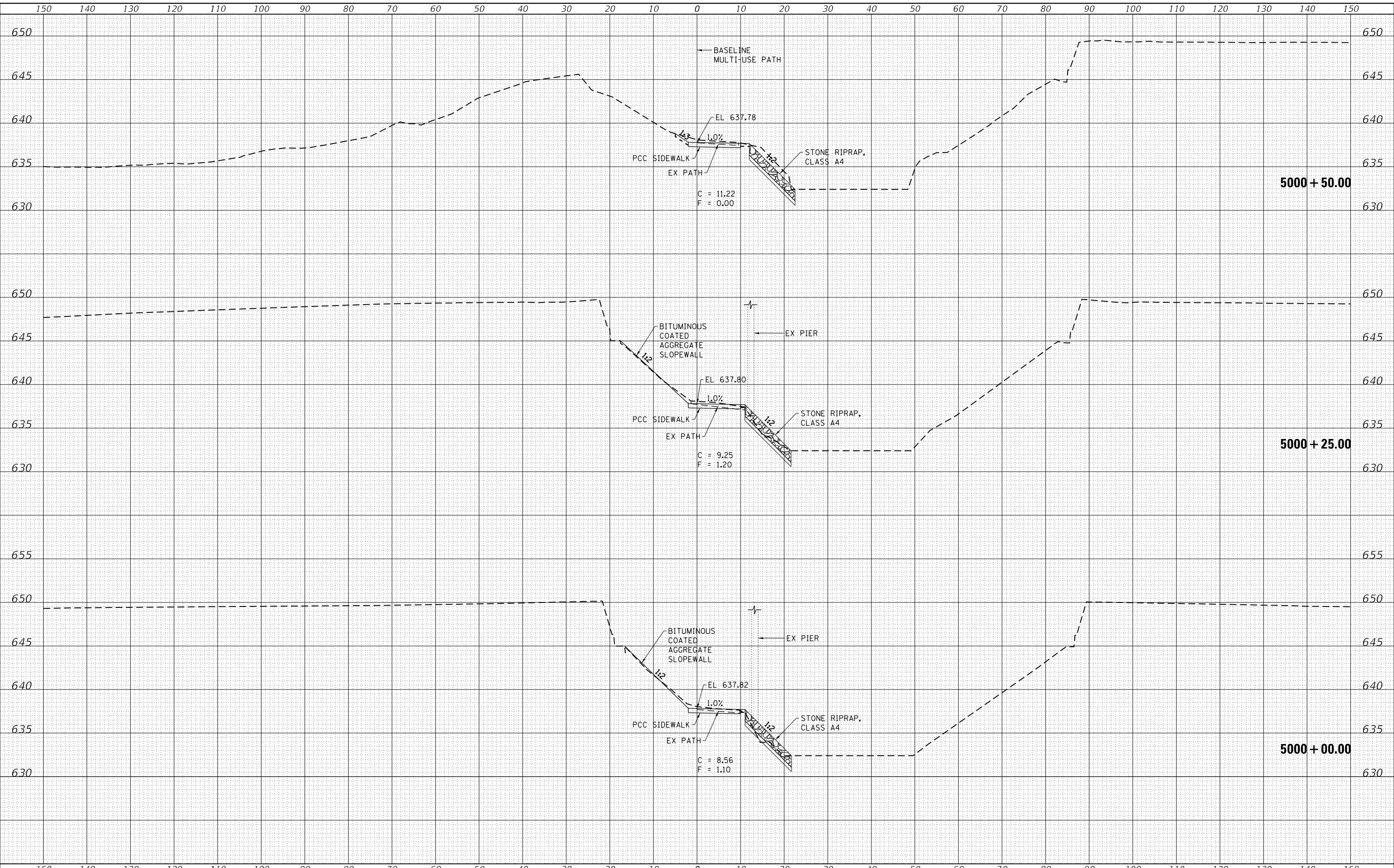
SCALE: AS SHOWN SHEET 3 OF 5 SHEETS STA. 4999+25.00 TO STA. 4999+75.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|---------------------------|--------------------|-----------|
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 59 |
| | | | CONTRACT NO. 64L74 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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| USER NAME | = sma |
| ESCA PROJECT NO. | 1140.14 |
| PLOT SCALE | = 20.0000' / in. |
| PLOT DATE | = 3/5/2020 |

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| DESIGNED | - ELH | REVISED | - |
| DRAWN | - KAH | REVISED | - |
| CHECKED | - ELH | REVISED | - |
| DATE | - 10/19 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH CROSS SECTIONS

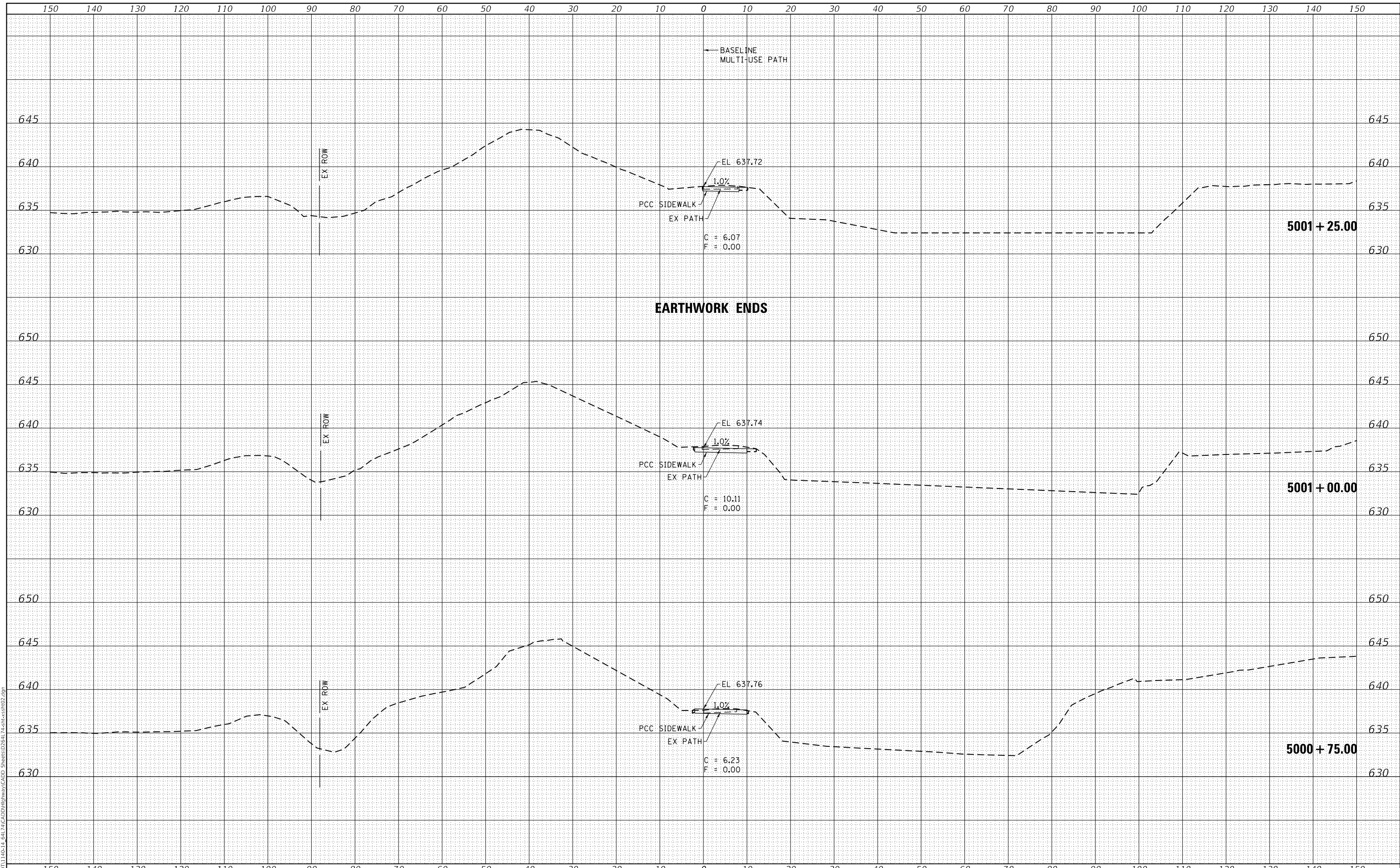
SCALE: AS SHOWN SHEET 4 OF 5 SHEETS STA. 5000+00.00 TO STA. 5000+50.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 60 |
| | | | CONTRACT NO. 64L74 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
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| FINAL SURVEY | SURVEYED |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MULTI-USE PATH CROSS SECTIONS

SCALE: AS SHOWN SHEET 5 OF 5 SHEETS STA. 5000+75.00 TO STA. 5001+25.00

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| USER NAME = sma | DESIGNED - ELH | REVISED - |
| ESCA PROJECT NO. 1140.14 | DRAWN - KAH | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - ELH | REVISED - |
| PLOT DATE = 3/5/2020 | DATE - 02/20 | REVISED - |

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|-------------|--------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5564 | (111BR-1)BDR | WHITESIDE | 61 | 61 |
| | | | CONTRACT NO. 64L74 | |
| | | | ILLINOIS FED. AID PROJECT | |

