

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAU ROUTE 1320: IL RTE 58 (GOLF ROAD)

AT POPLAR CREEK TRIBUTARY

SECTION 2021-070-CR

FEDERAL PROJECT NUMBER STP-90YV(615)

CULVERT EXTENSION

COOK COUNTY

C-91-202-21

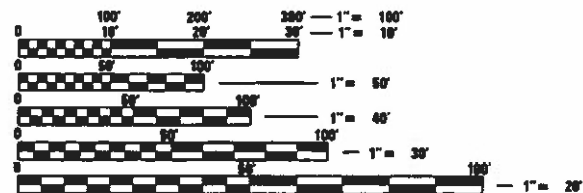
| FAU RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|-------------|----------|--------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 1 |
| | | ILLINOIS | CONTRACT NO. 62P08 | |

D-91-166-21

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:
MINOR ARTERIAL
FAU ROUTE 1320: IL RTE 58
2021 ADT: 11,500
SPEED LIMIT: 50 MPH

IMPROVEMENT LOCATED IN
THE VILLAGE OF HOFFMAN ESTATES

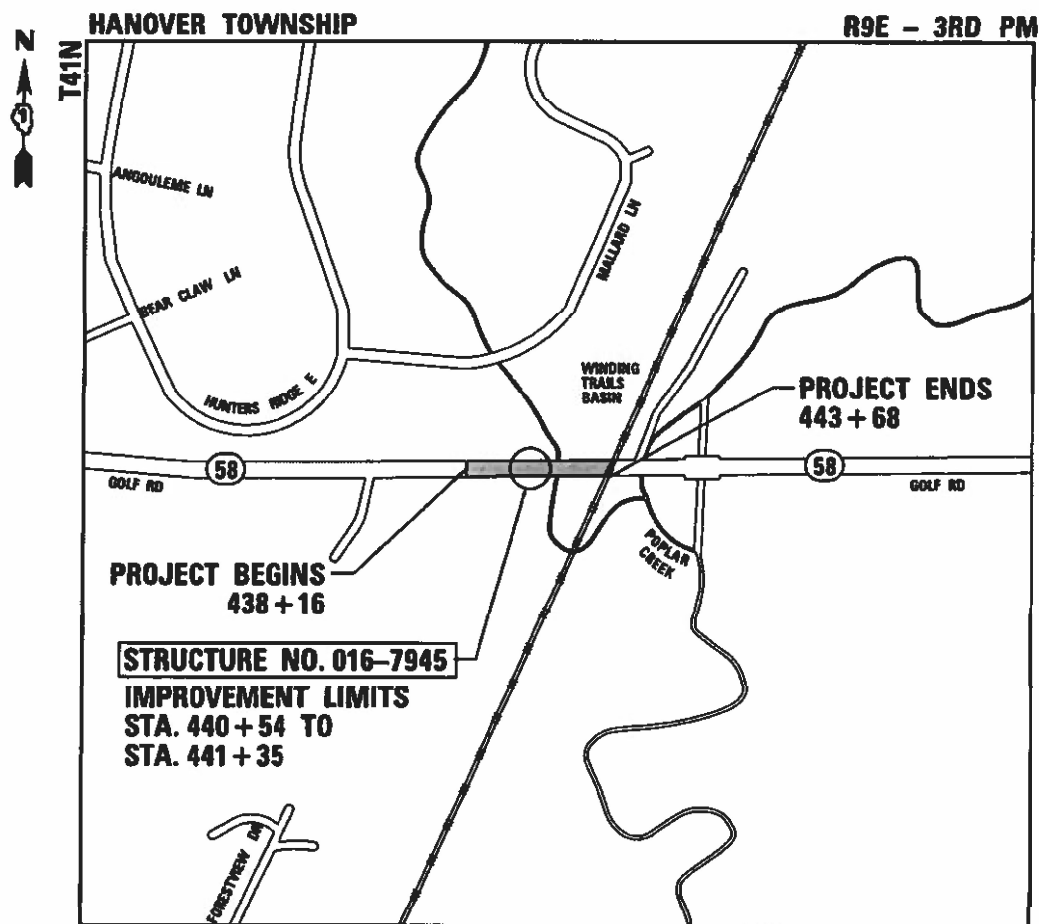


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MR. PRAVEEN KAINI, PE (847) 705-4237
PROJECT MANAGER: MR. J. ALAIN MIDY, PE (847) 221-3056

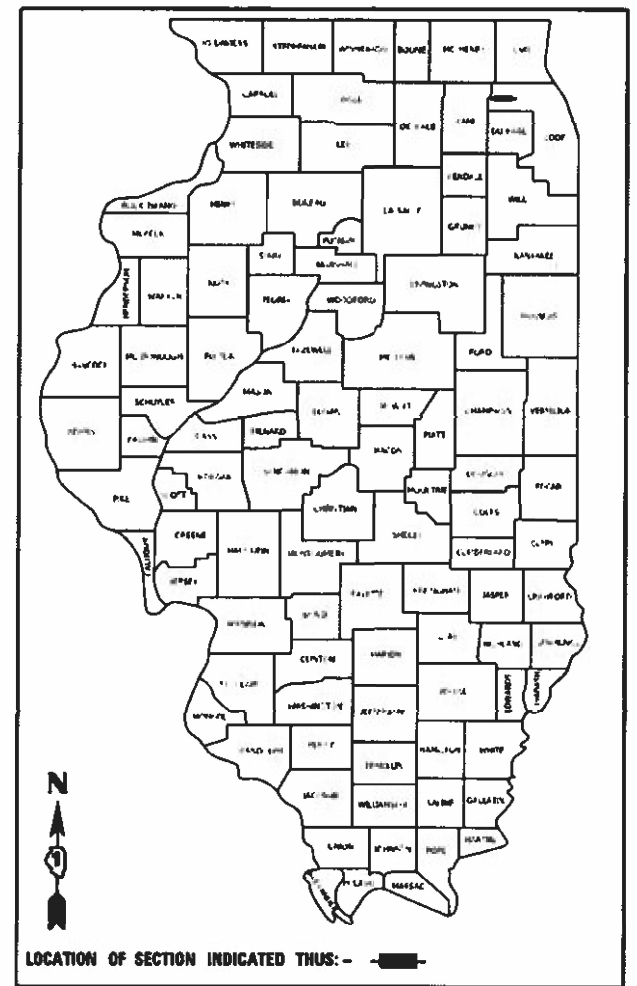
CONTRACT NO. 62P08



LOCATION MAP (NOT TO SCALE)
GROSS LENGTH = 552 FT = 0.105 MILE
NET LENGTH = 81 FT = 0.015 MILE

Bowman

10 S. LaSalle Street, Suite 2110
Chicago, Illinois 60603
312-614-0360
www.bowman.com



STATE OF ILLINOIS
ARCHITECT & ENGINEER
81-6894
Nonak
3.7.2023
DATE SIGNED:
EXP. DATE: 11-30-24
SHEETS: 19-26

LICENSED PROFESSIONAL ENGINEER
JAMAL JOSEPH DAVIS
062.072753
STATE OF ILLINOIS
Davis
DATE SIGNED: 03-07-23
EXP. DATE: 11-30-23
SHEETS: 1-18, 27-34

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED March 10, 2023
Regional Engineer
May 12, 2023
ENGINEER OF DESIGN AND ENVIRONMENT
May 12, 2023
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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LIST OF STATE HIGHWAY STANDARDS

| STANDARD NO. | TITLE |
|--------------|---------------------------------------------------------------------------------|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 515001-04 | NAME PLATE FOR BRIDGES |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL |
| 630101-10 | STRONG POST GUARDRAIL ATTACHED TO CULVERT |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 701001-02 | OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5M) AWAY |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701201-05 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701306-04 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 704001-08 | TEMPORARY CONCRETE BARRIER |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 781001-04 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |

COMMITMENTS

NONE.

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1,2022 HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, THE DETAILS IN THE PLANS,AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF HOFFMAN ESTATES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK AND INSTALLATION.
- THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, ARTERIAL TRAFFIC FIELD ENGINEER AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- FOR TREE REMOVAL, PLEASE CONTACT ENVIRONMENTAL STUDIES UNIT HEAD VANESSA.RUIZ@ILLINOIS.GOV.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. 48 HOUR NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN IN THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKING STANDARD DETAIL.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- SAW CUTTING OF PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE PERFORMED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) SO THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO (2) WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/ OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE SHALL BE PROVIDED IN THE DESIGNATED AREA. WORK WILL BE ACCORDING TO ARTICLES 201.05(C) AND 201.10(C)(3).
- CONTRACTOR TO ADJUST POST LOCATIONS IF DETERMINED TO BE IN CONFLICT WITH EXISTING UTILITIES. NEW LOCATION SHALL BE APPROVED BY ENGINEER.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------------------|-------------|--------|--------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 2 |
| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51P-URB-90Y(615) | | | | |



| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTR. CODE | |
|------------|-----------------------------------------------------|--------|----------------|----------------------------------------------------|--|
| | | | | 80%FED 20%STATE BOX CULVERT 0004 URBAN | |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 1 | 1 | |
| * 63100169 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARE | EACH | 1 | 1 | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 161 | 161 | |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 260 | 260 | |
| * 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 | |
| * 66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 7 | 7 | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 84 | 84 | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 120 | 120 | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 886 | 886 | |
| 70307120 | TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE | FOOT | 2539 | 2539 | |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 350 | 350 | |

* SPECIALTY ITEMS

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTR. CODE | |
|------------|------------------------------------------------------------------------|--------|----------------|----------------------------------------------------|--|
| | | | | 80%FED 20%STATE BOX CULVERT 0004 URBAN | |
| 70400200 | RELOCATE TEMPORARY CONCRETE BARRIER | FOOT | 337.5 | 337.5 | |
| 70600251 | IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 4 | 4 | |
| * 70600352 | IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 4 | 4 | |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 94 | 94 | |
| 78100300 | REPLACEMENT REFLECTOR | EACH | 12 | 12 | |
| 78300202 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 85 | 85 | |
| X6420002 | FILLING EXISTING RUMBLE STRIP | FOOT | 553 | 553 | |
| X0326898 | CENTER LINE - RUMBLE STRIP - 16" | FOOT | 553 | 553 | |
| X0900064 | MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES | SQ YD | 56.9 | 56.9 | |
| X2501800 | SEEDING, CLASS 4 (MODIFIED) | ACRE | 0.25 | 0.25 | |
| X2502024 | SEEDING, CLASS 4B (MODIFIED) | ACRE | 0.25 | 0.25 | |
| X6700407 | ENGINEER'S FIELD OFFICE, TYPE A (D1) | CAL MO | 12 | 12 | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 1 | |
| * X7800815 | HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH | FOOT | 159 | 159 | |

* SPECIALTY ITEMS

MODEL: 6003
FILE NAME: G:\Eng\Projects\Live\Projects\30004_IDOT_DUR_Bonnamy\W027 - 62P08\CADD\CADD_Sheets\Civil\0162P08.tbl;S000.dgn



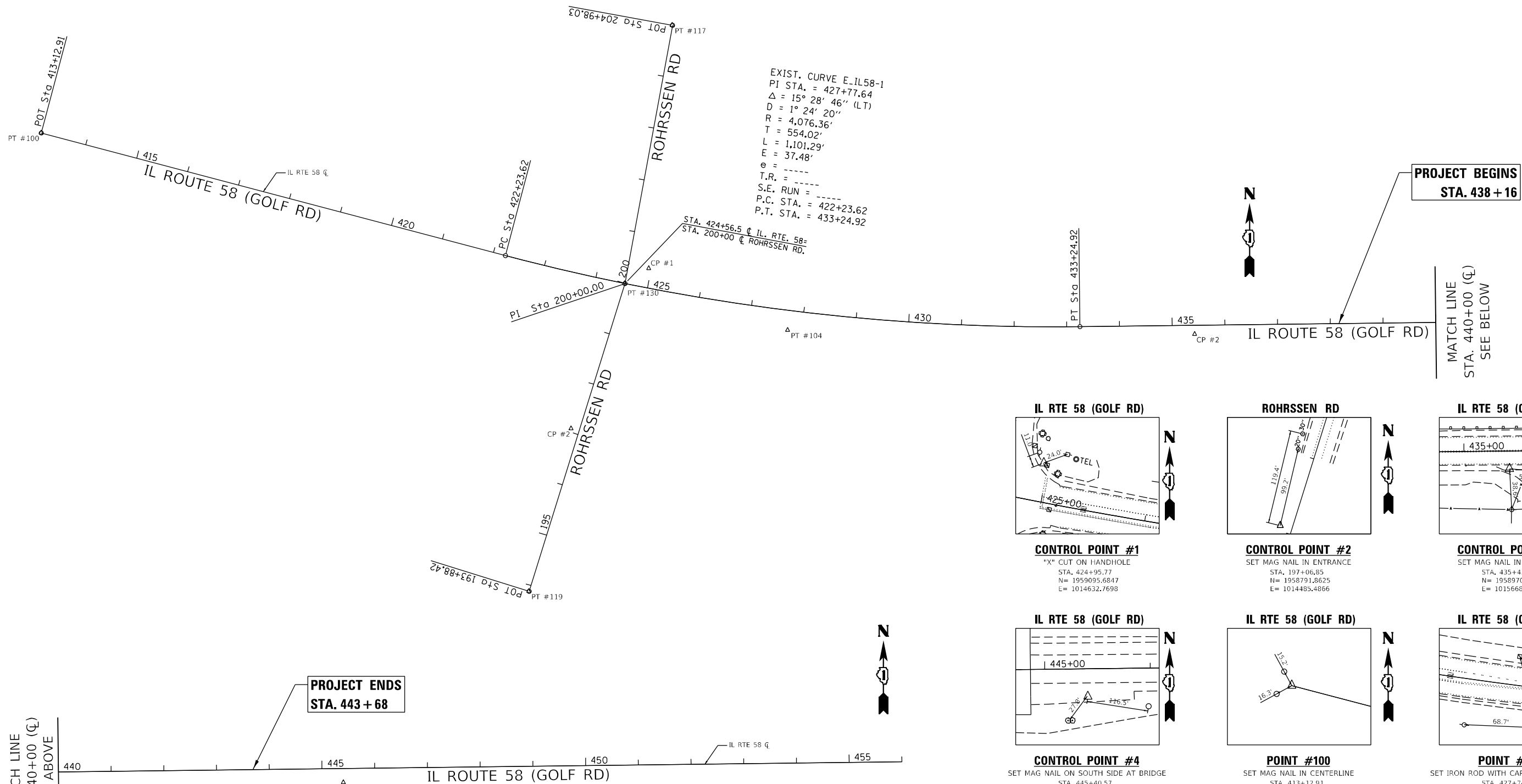
| | | |
|------------------------------|-------------------|-----------|
| USER NAME = jdavis | DESIGNED - MA | REVISED - |
| PLOT SCALE = 100.0000' / in. | DRAWN - MA | REVISED - |
| PLOT DATE = 3/16/2023 | CHECKED - JJD | REVISED - |
| | DATE - 09/27/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------------|-------------|--------|--------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 4 |
| ILLINOIS FED. AID PROJECT STP-URB-90Y(1615) | | | CONTRACT NO. 62P08 | |

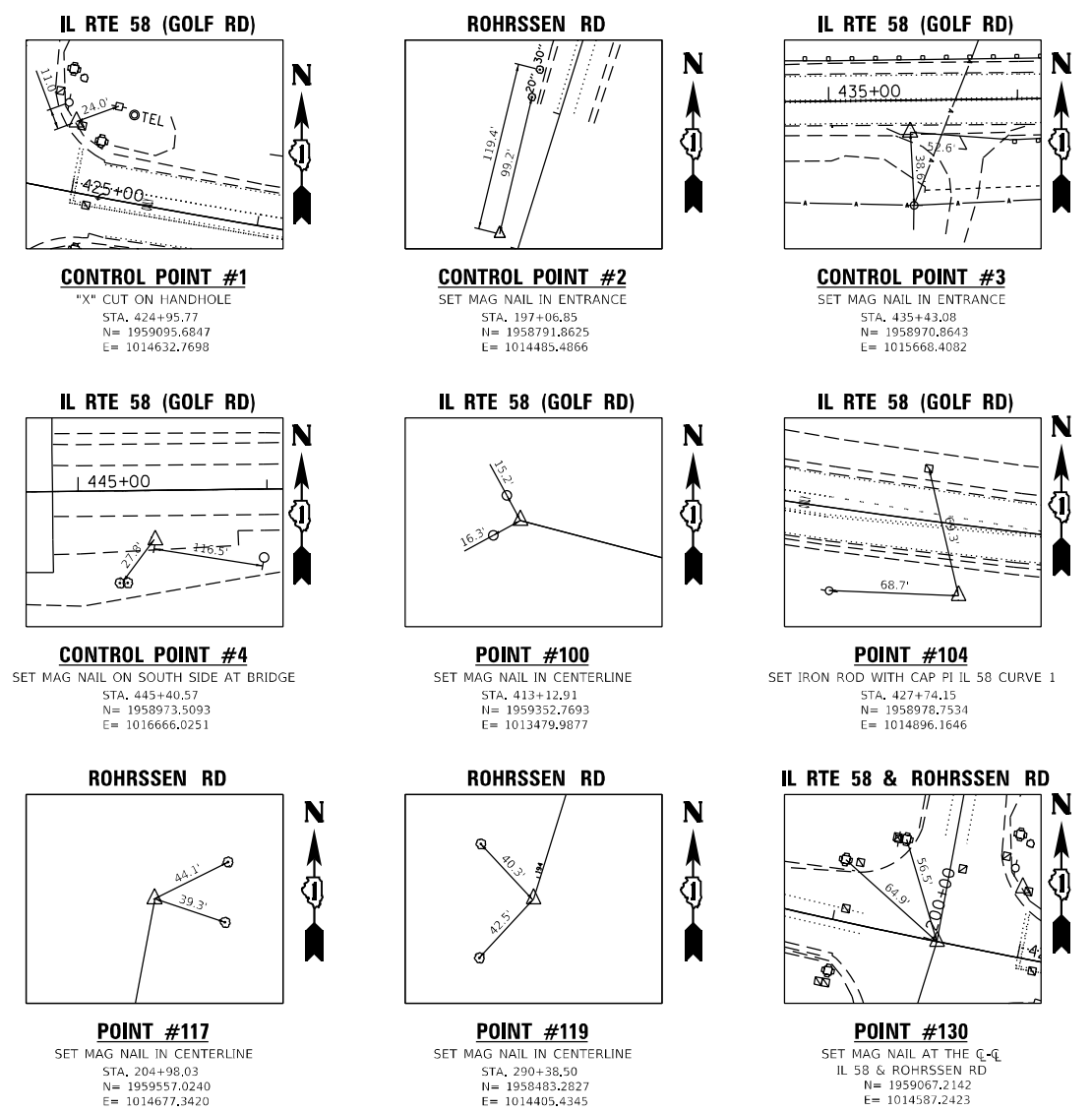


**PROJECT BEGINS
STA. 438 + 16**

MATCH LINE
STA. 440+00 (CL)
SEE BELOW

**PROJECT ENDS
STA. 443 + 68**

MATCH LINE
STA. 440+00 (CL)
SEE ABOVE



BENCHMARK #1
ELEV = 839.857
CUT IN EASTERLY CORNER OF
CONCRETE BOX ON
SOUTHWEST CORNER
OF IL 58 & ROHRSEN RD

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 FILE: M:\dell\11...
 MODEL: D:\dell\11...
 FILE: M:\dell\11...

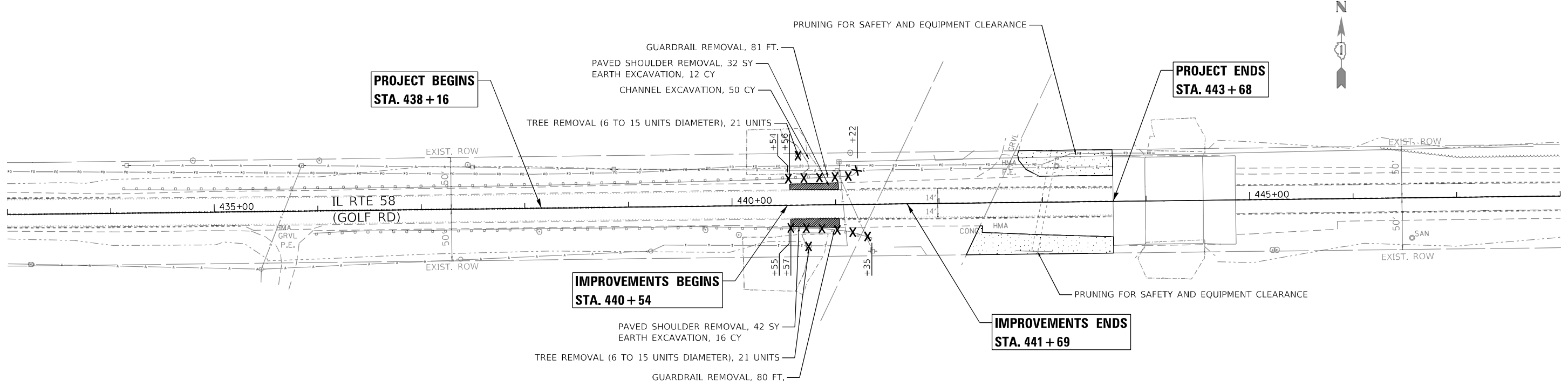


| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = jldavis | DESIGNED - JJD | REVISED - |
| | DRAWN - JJD | REVISED - |
| PLOT SCALE = 200,000' / in. | CHECKED - DC | REVISED - |
| PLOT DATE = 3/15/2023 | DATE - 09/27/2022 | REVISED - |

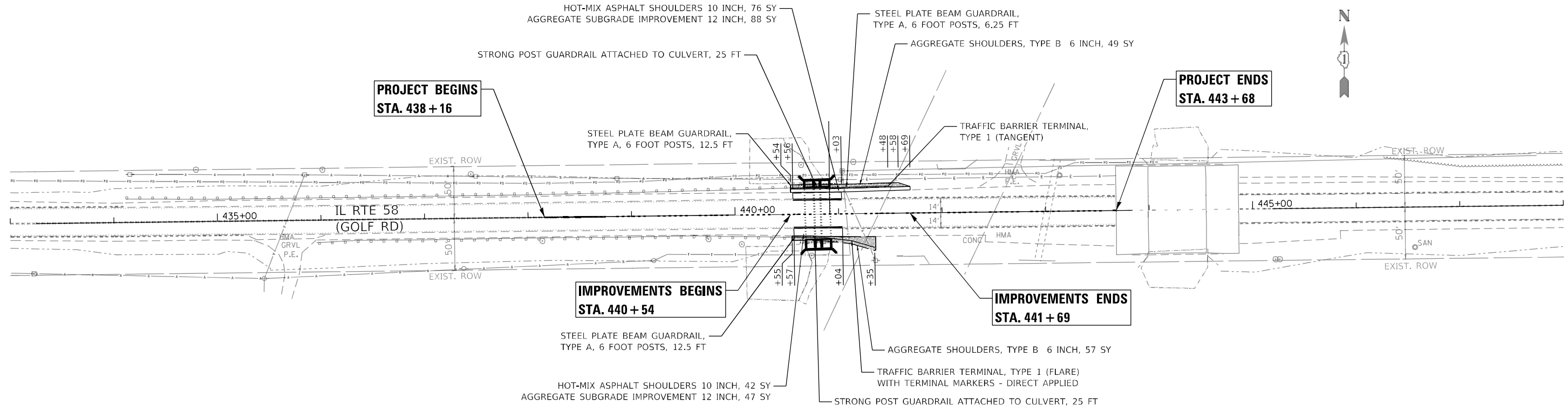
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY
 SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------------|-------------|--------|--------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 7 |
| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51R-09B-90Y(1615) | | | | |



- NOTE:**
1. LIMITS OF FILLING EXISTING RUMBLE STRIPS: STA. 438+16 TO STA. 443+68.
 2. CONTRACTOR TO ADJUST POST LOCATIONS IF DETERMINED TO BE IN CONFLICT WITH EXISTING UTILITIES. NEW LOCATION SHALL BE APPROVED BY ENGINEER.



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| | | |
|------------------------------|-------------------|-----------|
| USER NAME = jldavis | DESIGNED - MA | REVISED - |
| | DRAWN - MA | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JJD | REVISED - |
| PLOT DATE = 3/16/2023 | DATE - 09/27/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL AND PROPOSED PLAN
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------------|-------------|--------|--------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 8 |
| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51P-UR8-90Y(1615) | | | | |

GENERAL NOTES

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN ON THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
3. DRUMS OR TYPE II BARRICADES SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 25 FEET CENTER TO CENTER IN TAPERS IN THE CONSTRUCTION WORK ZONE.
4. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO 7 DAYS OF SERVICE OR REPLACEMENT AFTER THE INITIAL REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
5. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE BRIDGE CONSTRUCTION AND ALL SUBSEQUENT STAGE CHANGES ON IL ROUTE 58, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG IL ROUTE 58 AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CULVERT CONSTRUCTION / STAGE CHANGE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.
6. WORK ZONE SPEED LIMIT SHALL BE 40 MPH ON IL ROUTE 58.
7. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
8. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS.
10. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
11. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGE OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.
13. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE 11' THRU-LANE FOR BOTH EASTBOUND AND WESTBOUND TRAFFIC UNLESS OTHERWISE SPECIFIED.
14. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
15. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL AS SHOWN IN PLANS.
16. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, IF THEY WERE REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION. THE COST TO REPAIR ANY DAMAGES WILL BE BORNE BY THE CONTRACTOR AND NOT THE RESPONSIBILITY OF THE DEPARTMENT.
17. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PAVEMENT MARKING TAPE, TYPE IV, UNLESS OTHERWISE NOTED.
18. VEHICULAR ACCESS TO LOCAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

SUGGESTED SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER. FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT ALONG IL ROUTE 58 AND IMPACTED CROSS STREETS. THE IMPROVEMENTS WILL BE CONSTRUCTED USING LANE SHIFTS ONTO EXISTING SHOULDERS PER DISTRICT ONE STANDARDS TC-10, TC-11, TC-13, TC-16, TC-22, TC-26 AND HIGHWAY STANDARDS 701001, 701006, 701201, 701301, 701306, 701311, AND 701901.

STAGE 1

1. UTILIZE HIGHWAY STANDARDS 701201, 701301 AND 701311 TO REMOVE CONFLICTING PERMANENT PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS, FILLING EXISTING CENTERLINE RUMBLE STRIPS, INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED IN THE TRAFFIC CONTROL PLAN TO MAINTAIN THE EASTBOUND AND WESTBOUND LANES OVER THE CULVERT.
2. INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE MOT PLANS TO CLOSE THE WESTBOUND SHOULDER.
3. COMPLETE NORTH SIDE CULVERT REPAIRS INCLUDING CULVERT EXTENSION NORTH OF IL ROUTE 58, SHOULDER REMOVAL AND REPLACEMENT, REMOVAL AND REPLACEMENT OF GUARDRAIL, INSTALLATION OF HANDRAIL, AND INSTALLATION OF RIPRAP, AGGREGATE SHOULDER, AND LANDSCAPE.

STAGE 2

1. UTILIZE HIGHWAY STANDARDS 701301 AND 701311 TO REMOVE CONFLICTING PERMANENT PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS, INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED IN THE TRAFFIC CONTROL PLAN TO MAINTAIN THE EASTBOUND AND WESTBOUND LANES OVER THE CULVERT.
2. INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE MOT PLANS TO CLOSE THE EASTBOUND SHOULDER.
3. COMPLETE SOUTH SIDE CULVERT REPAIRS INCLUDING CULVERT EXTENSION SOUTH OF IL ROUTE 58, SHOULDER REMOVAL AND REPLACEMENT, REMOVAL AND REPLACEMENT OF GUARDRAIL, INSTALLATION OF HANDRAIL, AND INSTALLATION OF RIPRAP, AGGREGATE SHOULDER, AND LANDSCAPE.
4. INSTALL 16" CENTERLINE RUMBLE STIPS ALONG THE CENTERLINE OF THE ROADWAY, AS SHOWN ON PLANS.
5. INSTALL PERMANENT PAVEMENT MARKINGS AND LANDSCAPING USING HIGHWAY STANDARD 701301 AND 701311 .
6. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION CONTROL DEVICES

MODEL: D:\a\illinois\projects\202004_IDOT_DIR_Brown\11100_27 - 62708\11100\11100_CADD_Sheets\CHD\11100_P08-11-24.dwg
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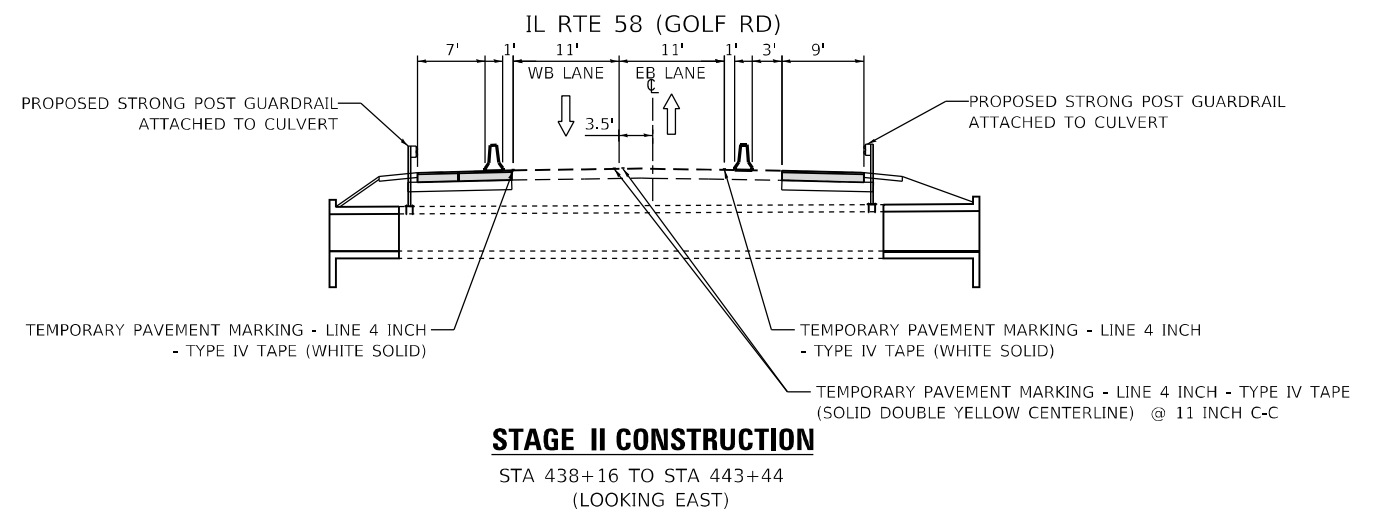
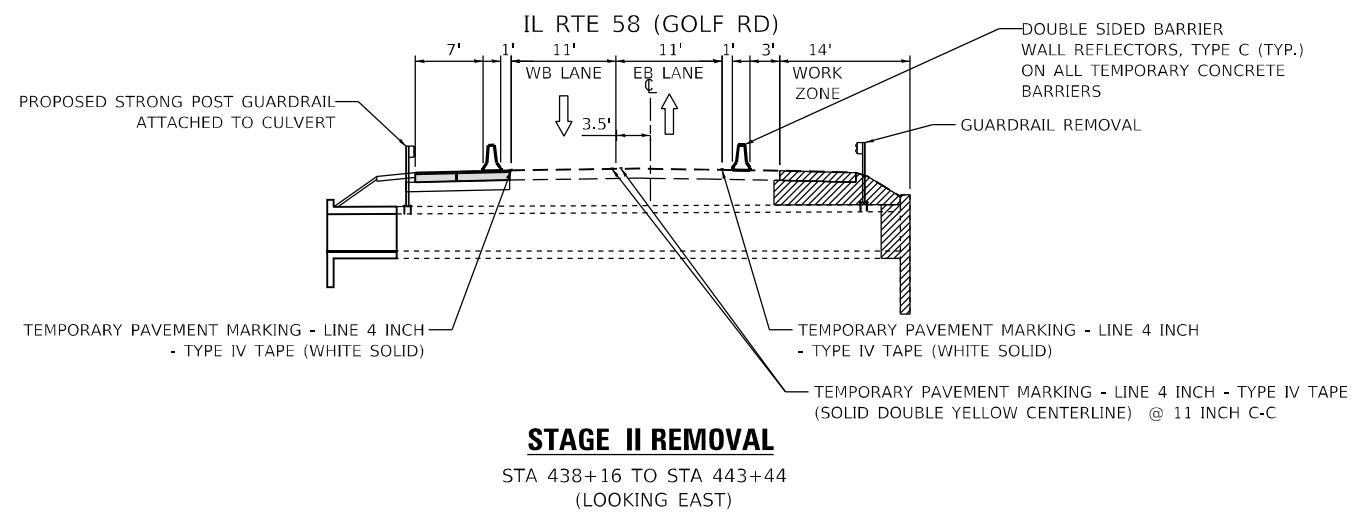
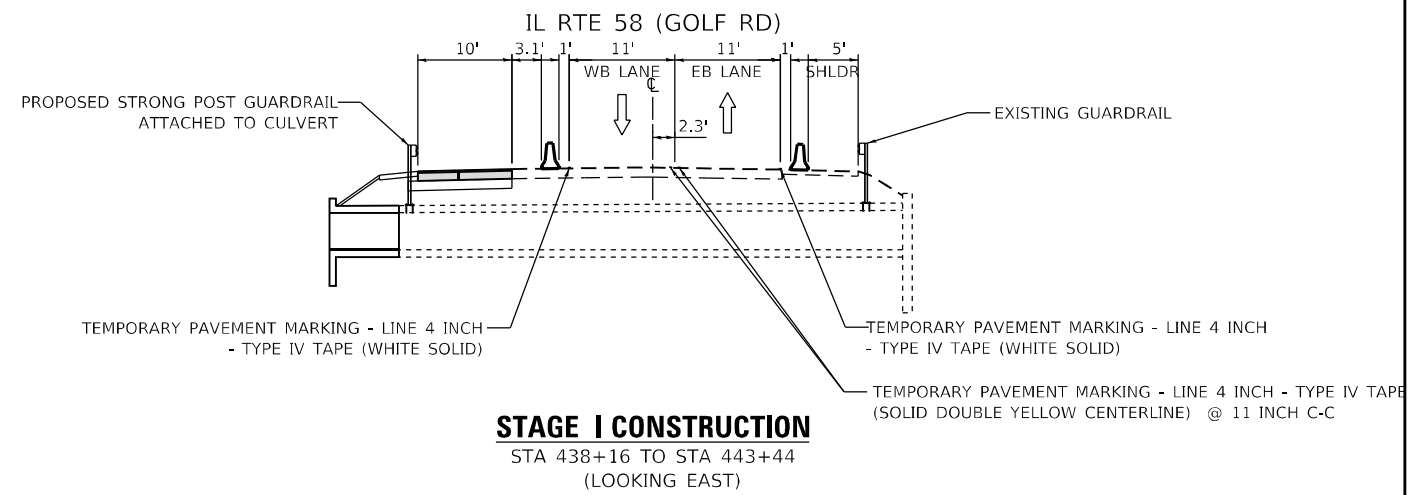
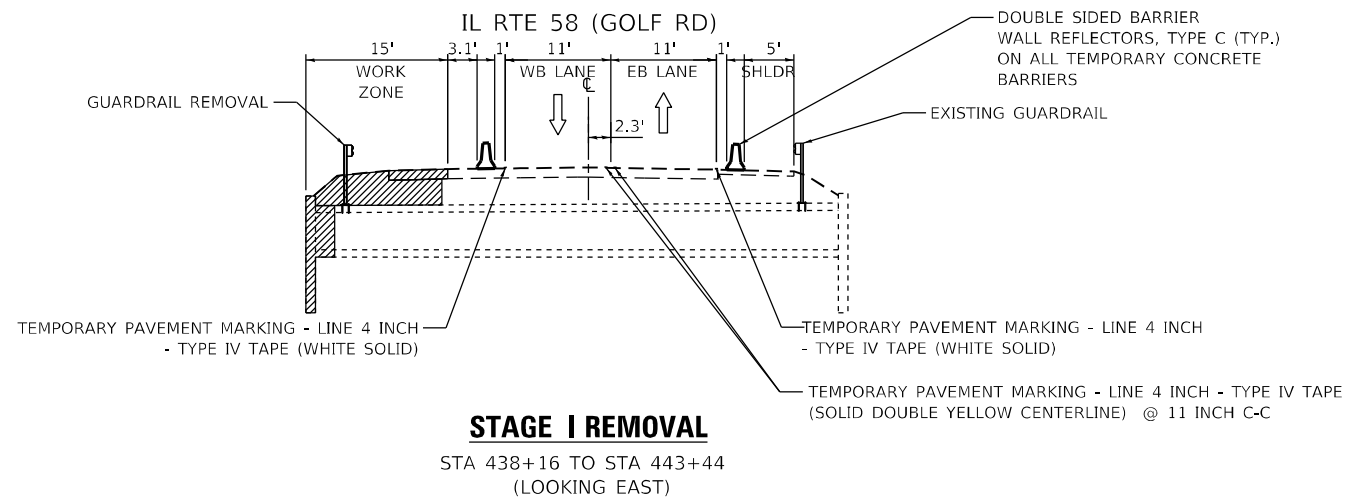


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| DRAWN - JS | REVISIONS - | |
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| PLOT DATE = 3/15/2023 | DATE - 09/27/2022 | REVISED - |


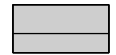


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| MAINTENANCE OF TRAFFIC PLAN GENERAL NOTES | |
|---------------------------------------------------------------|----------------------------------|
| CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY | |
| SCALE: NONE | SHEET 1 OF 5 SHEETS STA. TO STA. |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---------------------------------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 9 |
| CONTRACT NO. 62P08 | | | ILLINOIS FED. AID PROJECT 51P-UR8-90Y(1615) | |

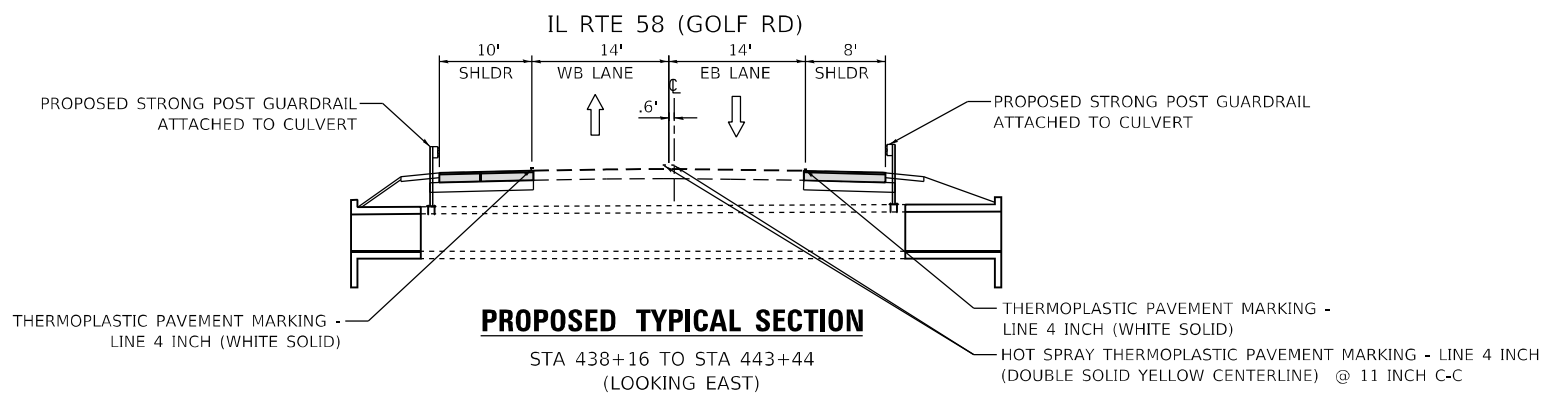


LEGEND

-  PAVEMENT REMOVAL, EXCAVATION, OR CULVERT REMOVAL
-  PROPOSED PAVEMENT
-  TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED BARRIER WALL REFLECTORS, TYPE C
-  DIRECTION OF TRAFFIC

NOTE:

TYPE C REFLECTORS SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.



MODEL: D:\a\l\... FILE: M:\... 6/27/2023 10:00:00 AM



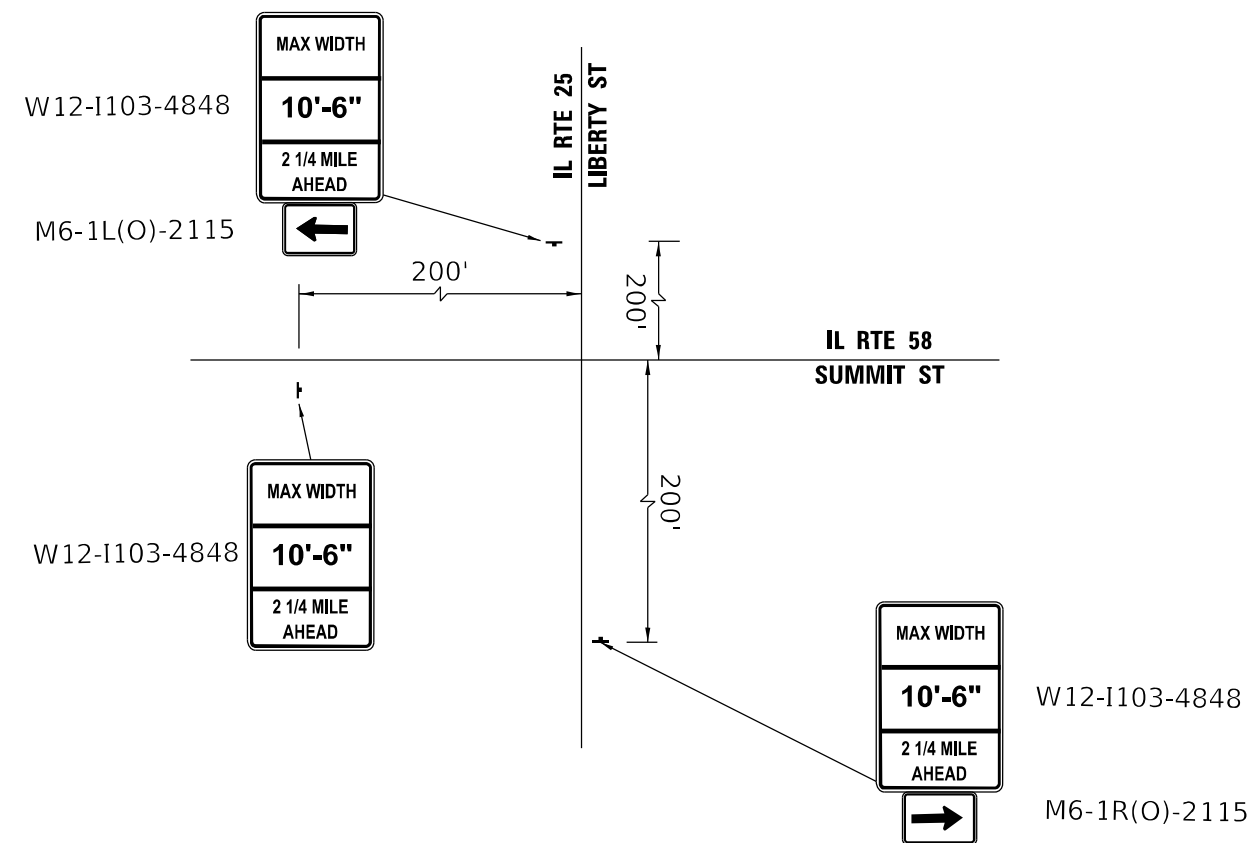
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| PLOT SCALE = 40,0000' / in. | CHECKED - JJD | REVISED - |
| PLOT DATE = 3/16/2023 | DATE - 09/27/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
TYPICAL SECTIONS
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY**

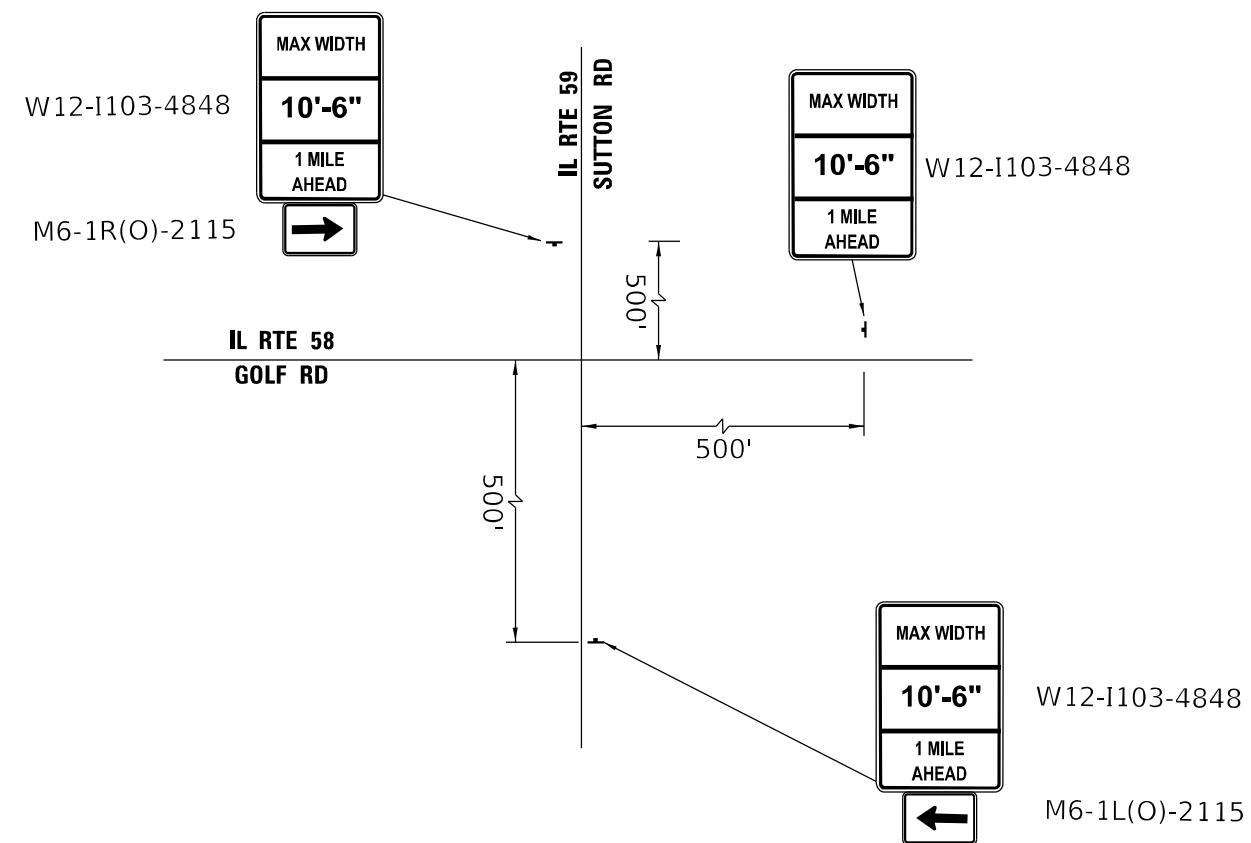
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| F.A.U. RTE. 1320 | SECTION 2021-070-CR | COUNTY COOK | TOTAL SHEETS 34 | SHEET NO. 10 |
| CONTRACT NO. 62P08 | | | ILLINOIS FED. AID PROJECT 51P-UR8-90Y(1615) | |

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.



ADVANCE WARNING SIGNS AT THE INTERSECTION
OF SUMMIT ST AND LIBERTY ST

NTS



ADVANCE WARNING SIGNS AT THE INTERSECTION
OF GOLF RD AND SUTTON RD

NTS

- NOTES:
1. ADVANCE WARNING SIGNAGE SHALL BE LEFT IN PLACE UNTIL FINAL STAGE IS COMPLETE

MODEL: D:\dtd\11... FILE: M:\m\p... 622081\CD001\CD001_Signage\CD001_Signage.dwg



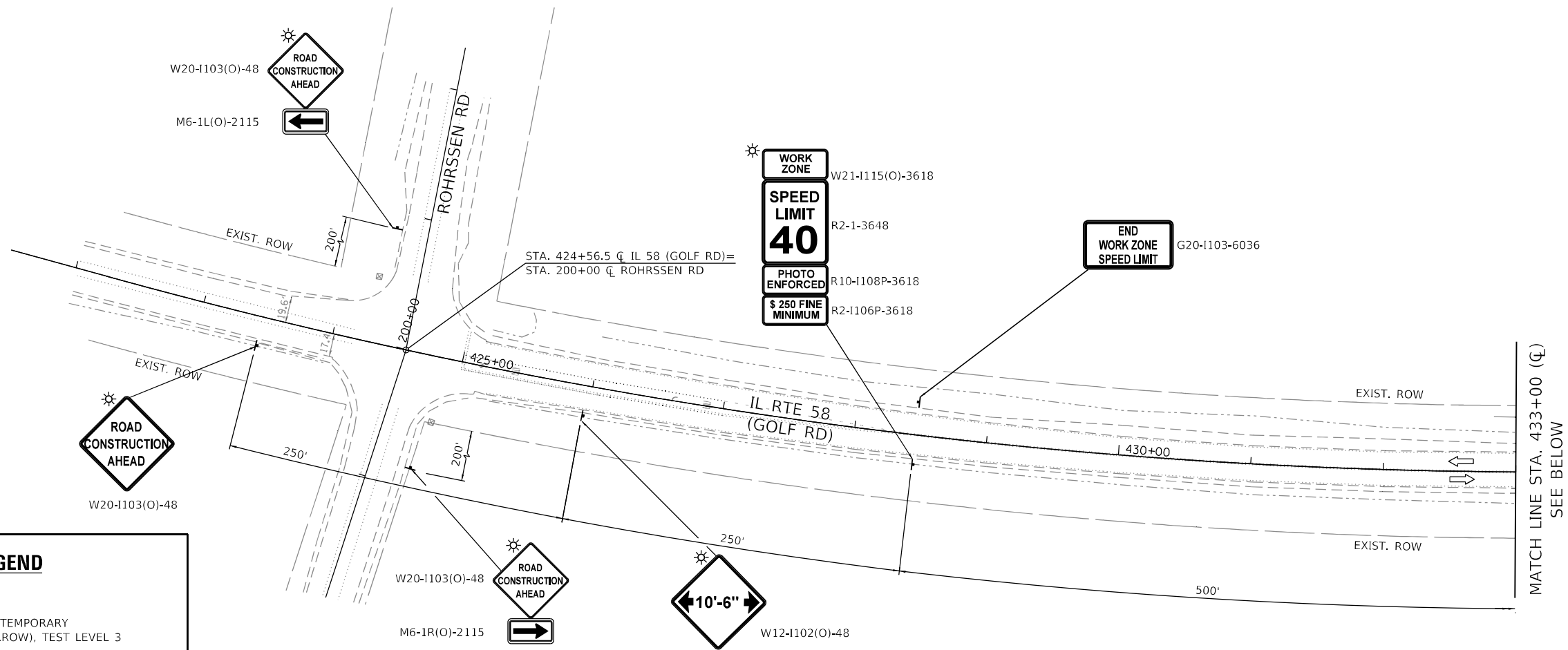
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| DRAWN - JS | REVISIONS - | |
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| PLOT DATE = 3/15/2023 | DATE - 09/27/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

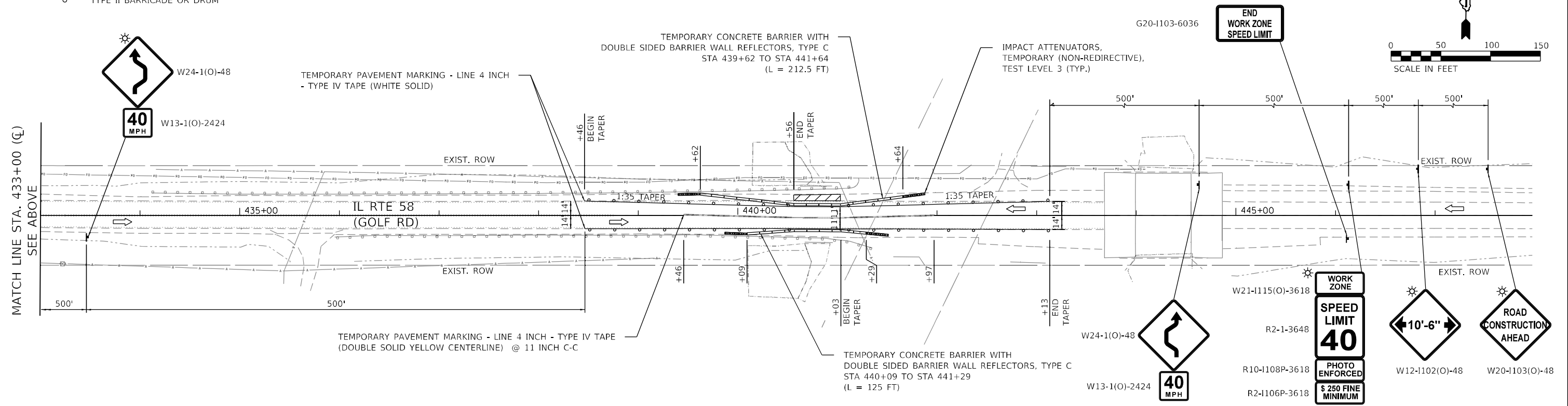
MAINTENANCE OF TRAFFIC PLAN - ADVANCE WARNING SIGNAGE
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|--------------------------------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 11 |
| CONTRACT NO. 62P08 | | | ILLINOIS FED. AID PROJECT 51P-UR8-90Y(615) | |



- TRAFFIC CONTROL LEGEND**
- WORK AREA
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED BARRIER WALL REFLECTORS, TYPE C
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - TYPE II BARRICADE OR DRUM



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 FILE: M:\m\c...



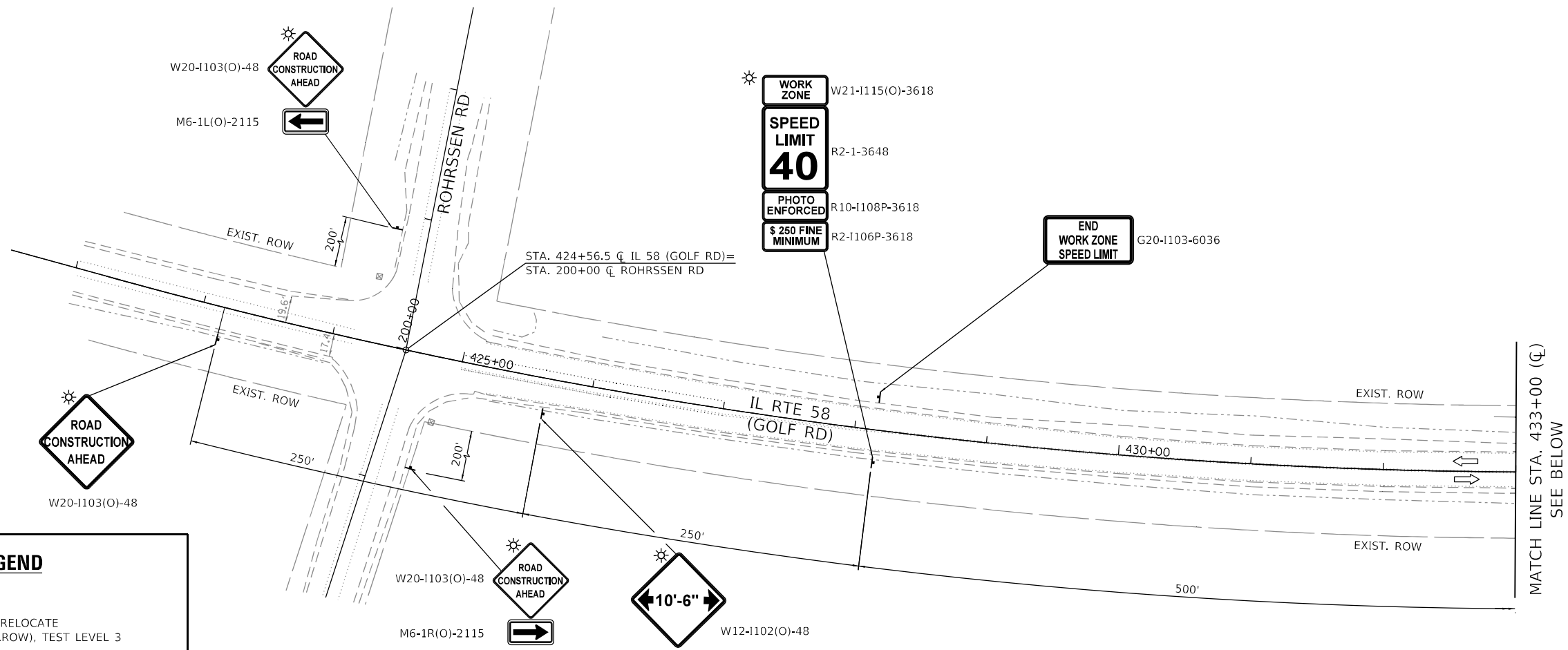
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

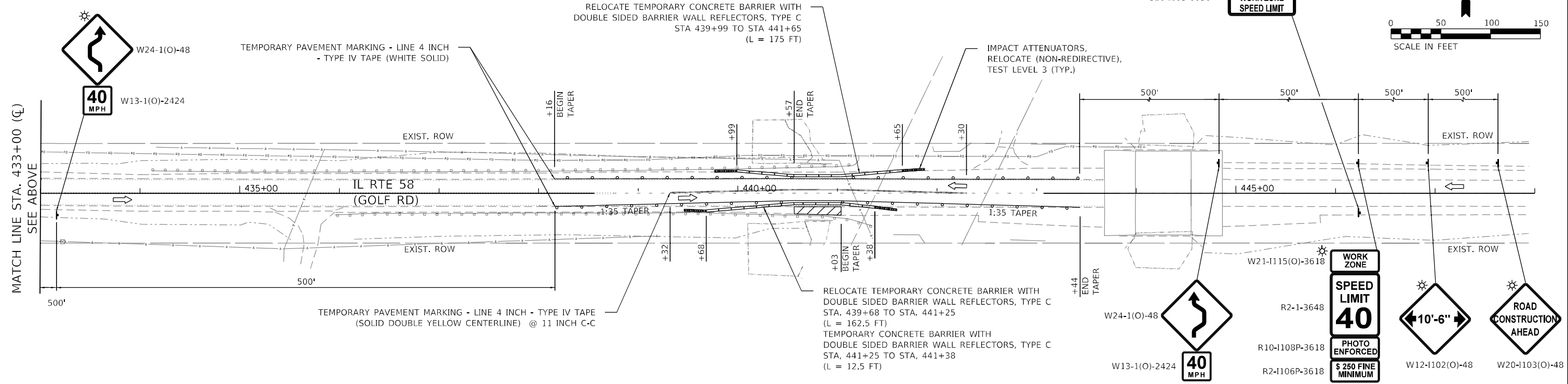
**MAINTENANCE OF TRAFFIC PLAN - STAGE I
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. TO STA.

| | | | | |
|---------------------------------------------|-------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 12 |
| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51P-URB-90Y(1615) | | | | |



- TRAFFIC CONTROL LEGEND**
- WORK AREA
 - IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED BARRIER WALL REFLECTORS, TYPE C
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - TYPE II BARRICADE OR DRUM



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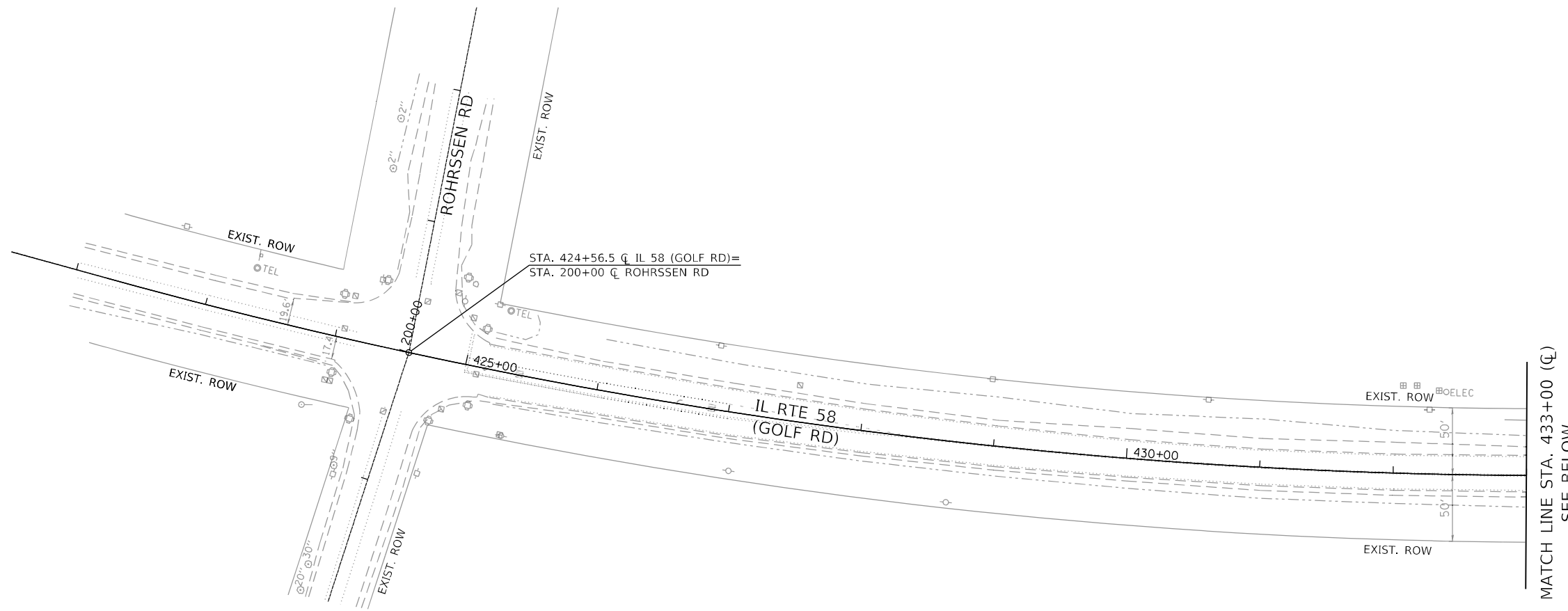
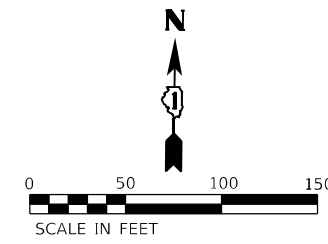
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| PLOT DATE = 3/15/2023 | DATE - 09/27/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN - STAGE II
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY

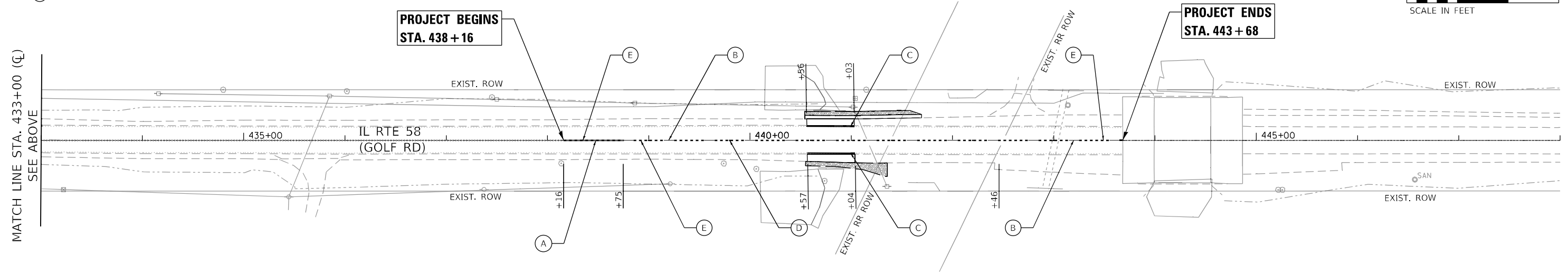
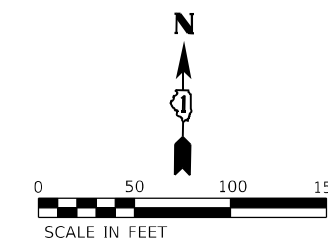
SCALE: 1"=50' SHEET 5 OF 5 SHEETS STA. TO STA.

| | | | | |
|---------------------------------------------|-------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 13 |
| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51P-UR8-90Y(1615) | | | | |



PAVEMENT MARKING LEGEND

- (A) HOT SPRAY THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE)
- (B) HOT SPRAY THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30' SKIP DASH LINE)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- (D) RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL (REPLACEMENT REFLECTOR)
- (E) CENTERLINE - RUMBLE STRIP - 16"



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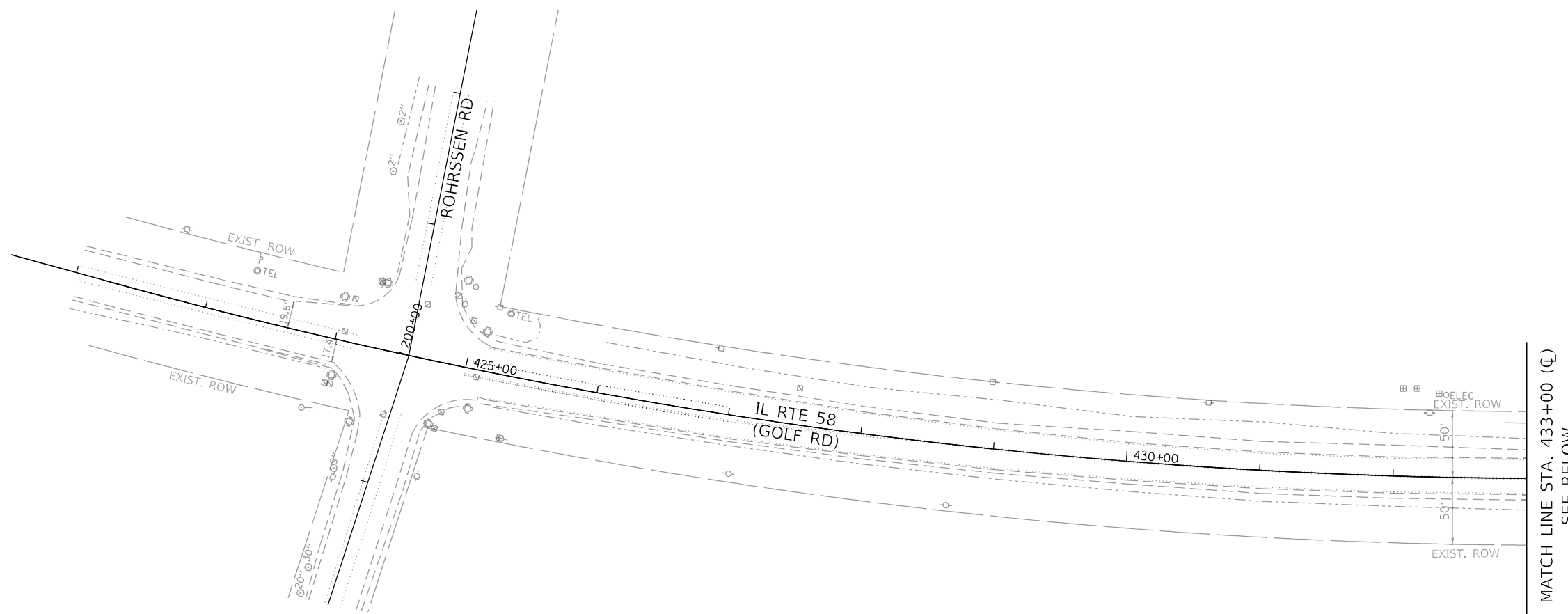
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| PLOT DATE = 3/15/2023 | CHECKED - JJD | REVISED - |
| | DATE - 09/27/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY**

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

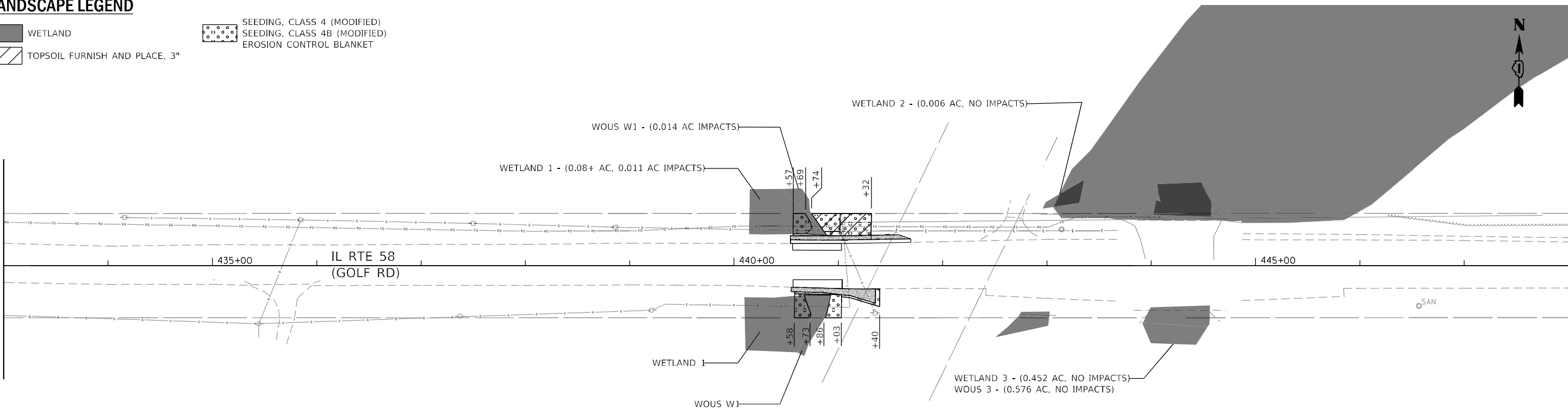
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| CONTRACT NO. 62P08 | | | ILLINOIS FED. AID PROJECT 51P-UR8-90Y(1615) | |



LANDSCAPE LEGEND

- WETLAND
- SEEDING, CLASS 4 (MODIFIED)
- TOPSOIL FURNISH AND PLACE, 3"
- SEEDING, CLASS 4B (MODIFIED)
- EROSION CONTROL BLANKET

MATCH LINE STA. 433+00 (CL)
SEE ABOVE



MODEL: D:\dwg\11... FILE: M:\proj\6220084_01\DOT DIR... 6220084_01\DOT DIR... 6220084_01\DOT DIR... 6220084_01\DOT DIR...



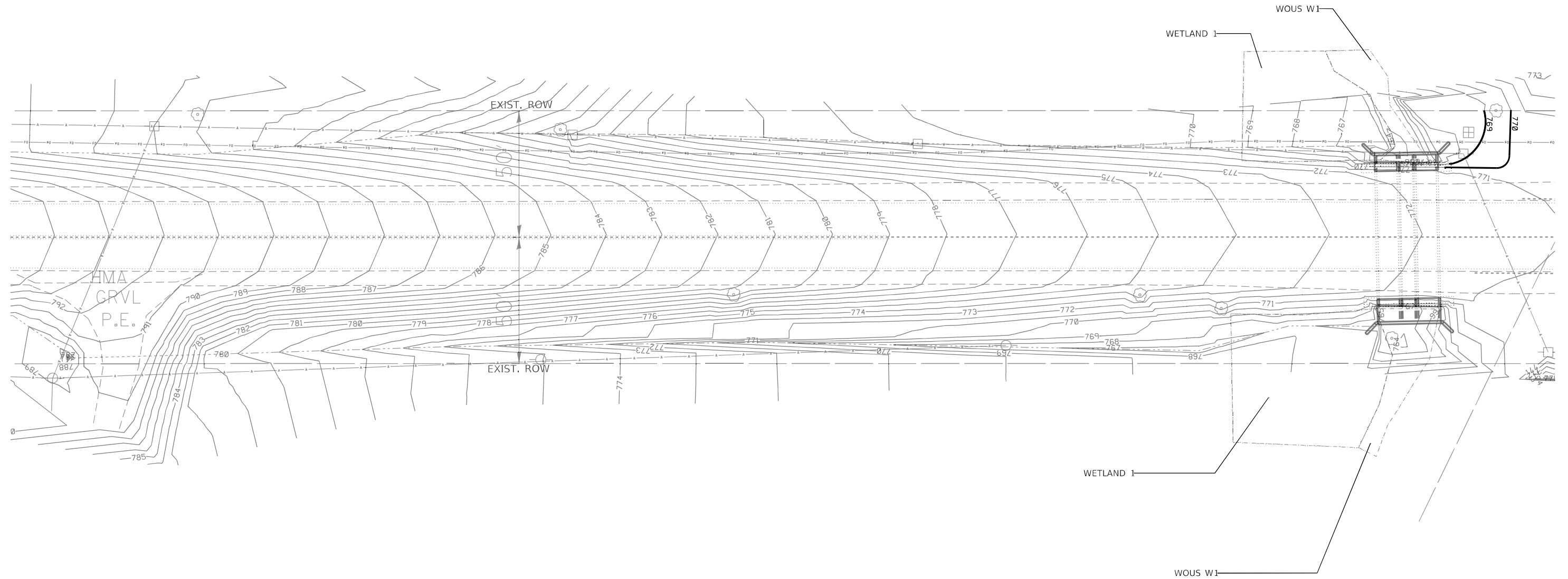
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| PLOT DATE = 3/15/2023 | DATE - 09/27/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY**

| | | | | |
|--------------------------------------------|---------------------|-------------|-----------------|--------------|
| F.A.U. RTE. 1320 | SECTION 2021-070-CR | COUNTY COOK | TOTAL SHEETS 34 | SHEET NO. 17 |
| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51P-UR8-90Y(615) | | | | |

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY

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

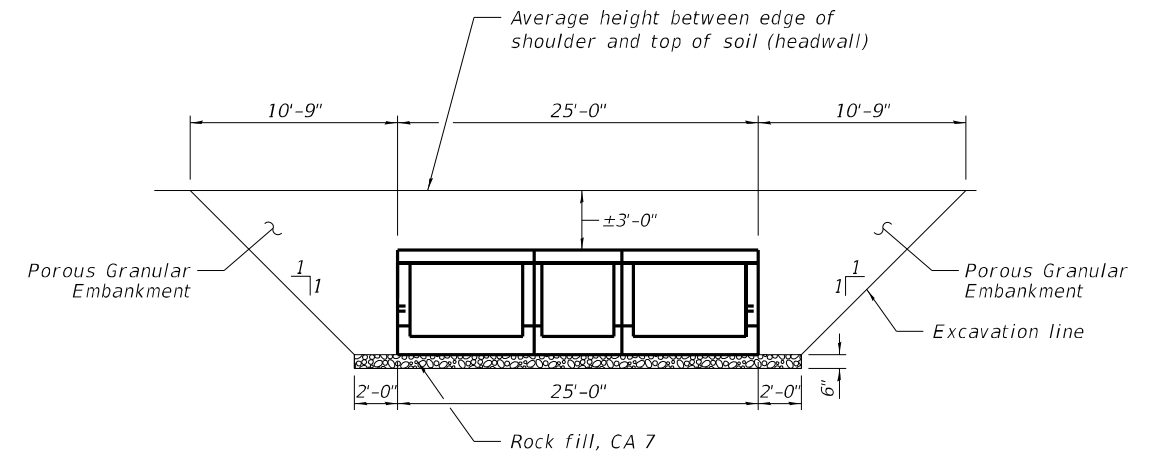
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| CONTRACT NO. 62P08 | | | | |
| ILLINOIS FED. AID PROJECT 51P-UR8-90Y(615) | | | | |

GENERAL NOTES

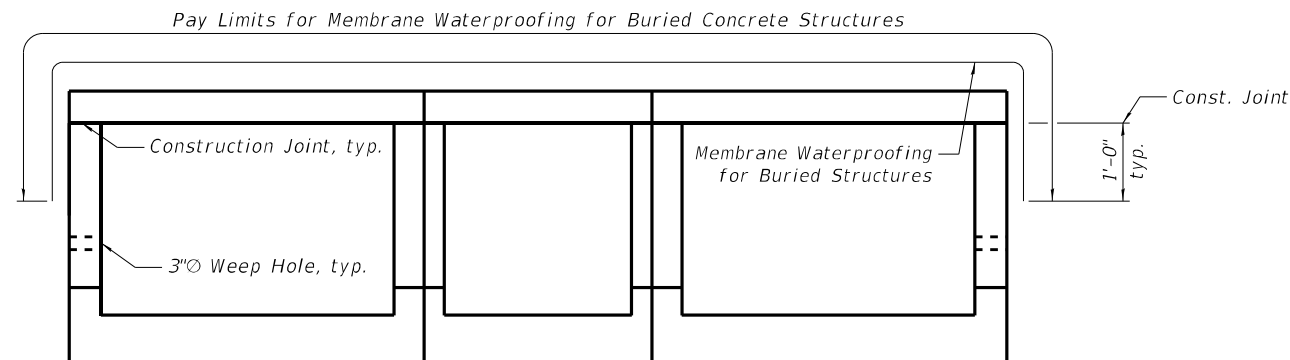
- All exposed concrete edges shall have a 3#4" x 45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot within finished ground level.
- Reinforcement bars designated "(E)" shall be epoxy coated.
- Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.
- Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.
- Contractor shall not scale dimensions from the Contract Plans for construction purposes. Scales shown are for information only.
- No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
- No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- During construction, OSHA requires that a minimum of thirteen (13) feet working clearance must be maintained between the booms, arms or other parts that can be raised on the equipment by the contractor and Comed's existing electric transmission lines.
- Temporary Soil Retention System shall be designed by the Contractor.
- Cleaning, removing and disposing of all debris and obstructions outside the limits of the existing culvert cells is included in the "Box Culvert to be Cleaned" pay item.
- 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.

TOTAL BILL OF MATERIAL

| PAY ITEM | ITEM | UNIT | TOTAL |
|----------|----------------------------------------------------------------------|-------|-------|
| 20700220 | Porous Granular Embankment | CU YD | 129 |
| 21001000 | Geotechnical Fabric for Ground Stabilization | SQ YD | 70 |
| 28100107 | Stone Riprap, Class A4 | SQ YD | 71 |
| 28200200 | Filter Fabric | SQ YD | 104 |
| 50102400 | Concrete Removal | CU YD | 23.6 |
| 50200100 | Structure Excavation | CU YD | 197 |
| 50800205 | Reinforcement Bars, Epoxy Coated | POUND | 9,250 |
| 50901760 | Pipe Handrail | FOOT | 45.0 |
| 51500100 | Name Plates | EACH | 1 |
| 52200020 | Temporary Soil Retention System | SQ FT | 378 |
| 54002040 | Expansion Bolts 3/4 inch x 6 inch | EACH | 100 |
| 54003000 | Concrete Box Culverts | CU YD | 41.3 |
| 60905305 | Box Culverts to be Cleaned | FOOT | 179.5 |
| X0900064 | Membrane Waterproofing System for Buried Structures | SQ YD | 56.9 |
| Z0012754 | Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) | SQ FT | 72.0 |
| Z0054400 | Rock Fill | CU YD | 14.2 |



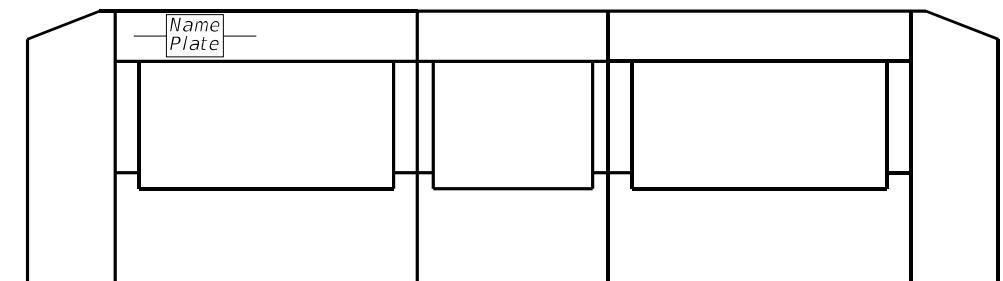
BACKFILL PAY ITEMS



MEMBRANE WATERPROOFING DETAIL

STATION 440+79.91
 BUILT 1929 AND
 EXTENDED 202_ BY
 STATE OF ILLINOIS
 LOADING HS-20
 STRUCTURE NO. 016-7945

NAME PLATE
 See Std. 515001



NAME PLATE LOCATION
 (South End Section, Looking North)

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| | | | |
|---------------------------------------------------------------------------------------------------------------|------------------------|---------------|-----------|
| Bowman 311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-464-0360 www.bowman.com | USER NAME = atiemann | DESIGNED - AT | REVISED - |
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| | | CHECKED - AJN | REVISED - |

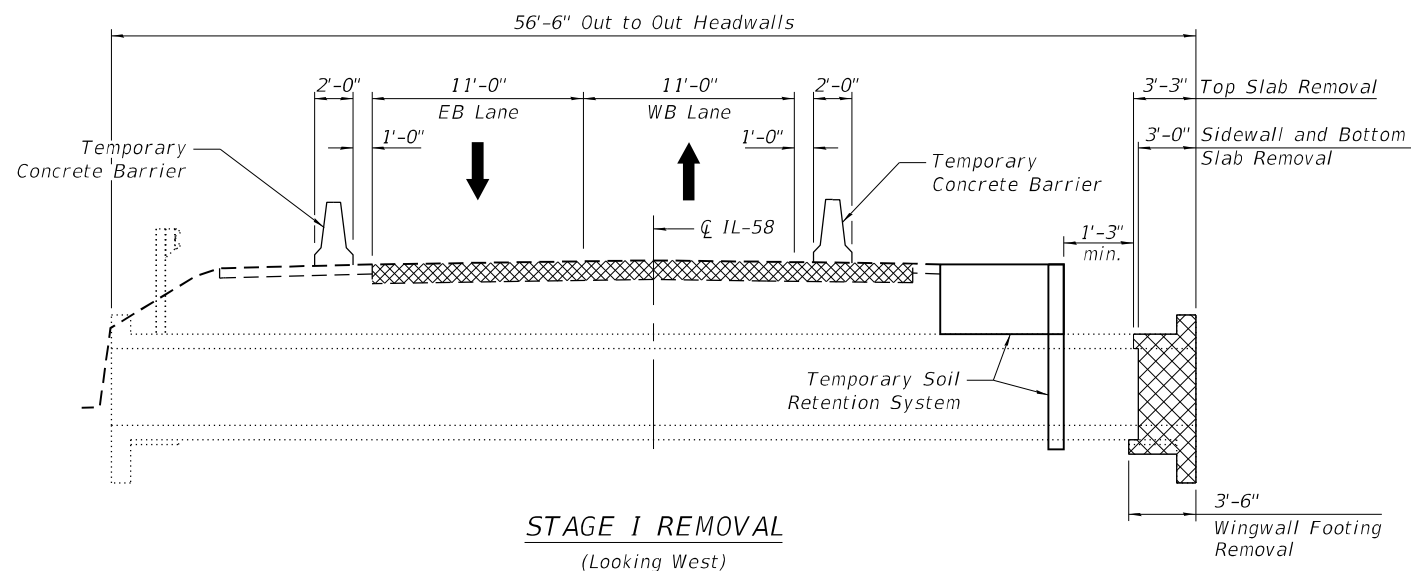
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & BILL OF MATERIAL
 STRUCTURE NO. 016-7945**

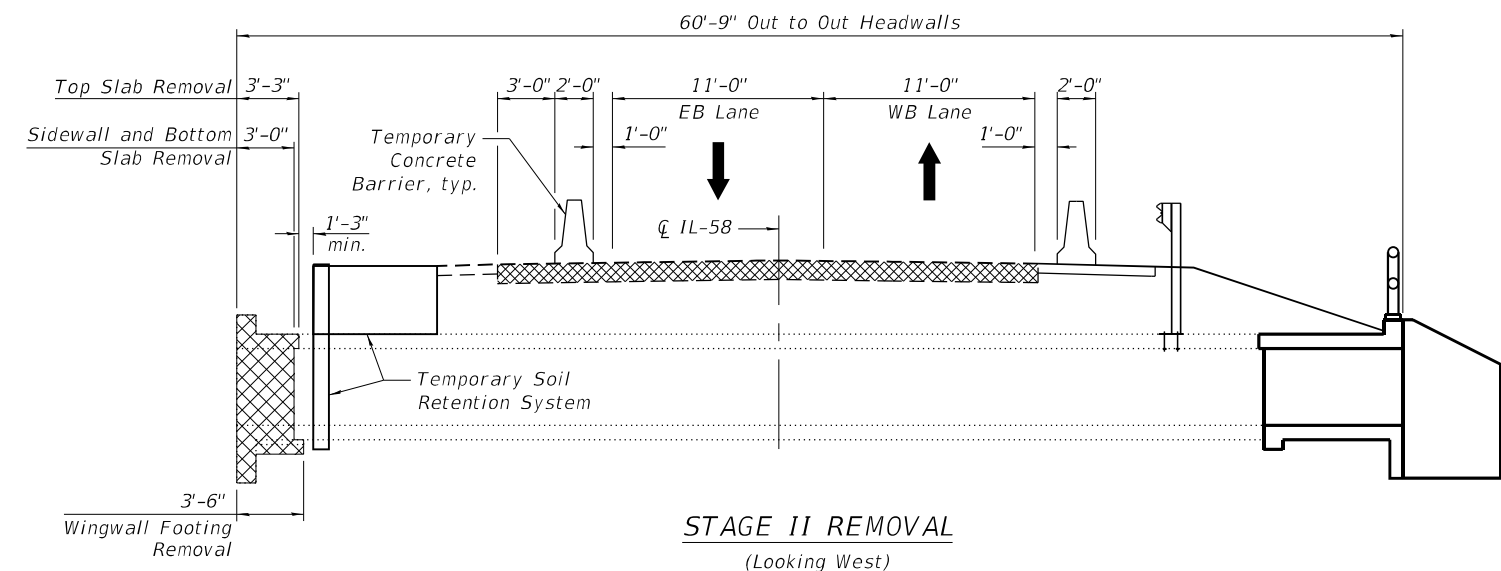
SHEET 2 OF 8 SHEETS

| | | | | |
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 20 |
| CONTRACT NO. | | | 62P08 | |
| ILLINOIS | | FED. AID PROJECT STP-40YV(615) | | |

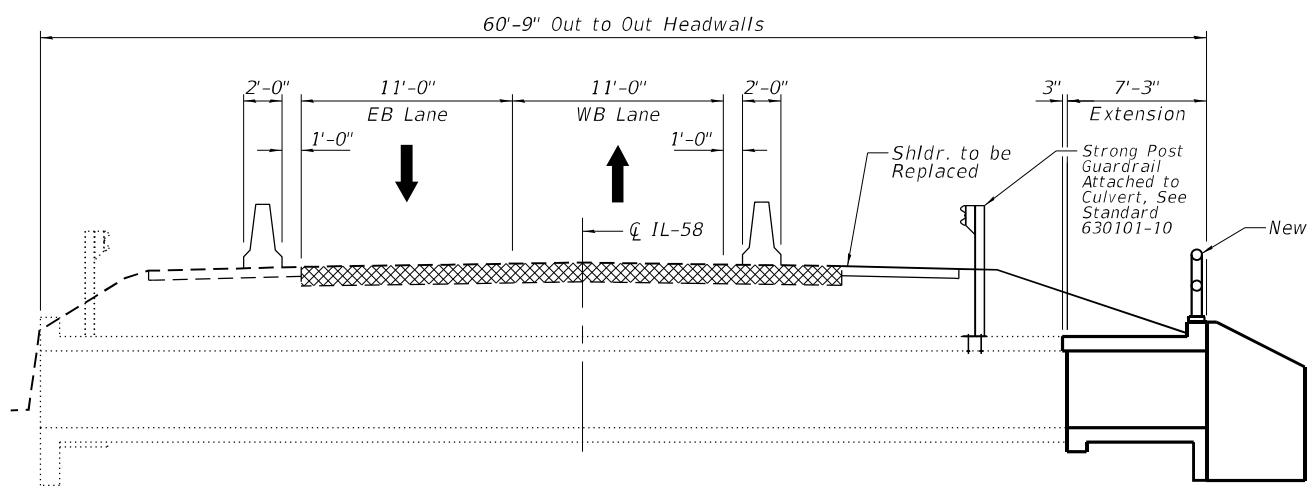
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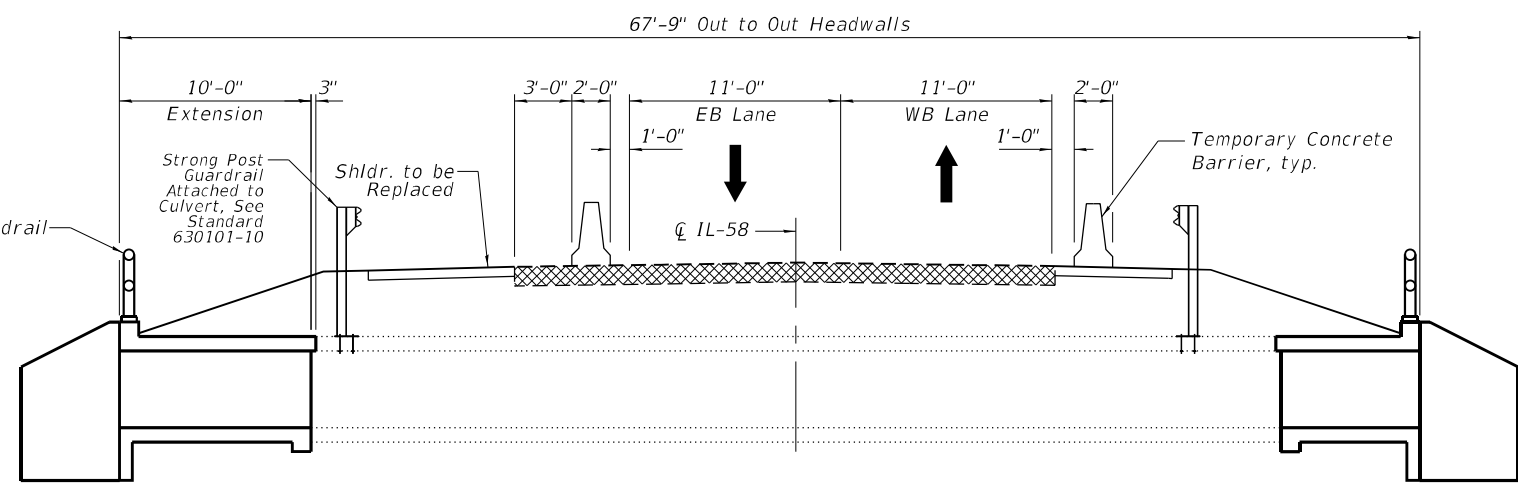
STAGE I REMOVAL
(Looking West)



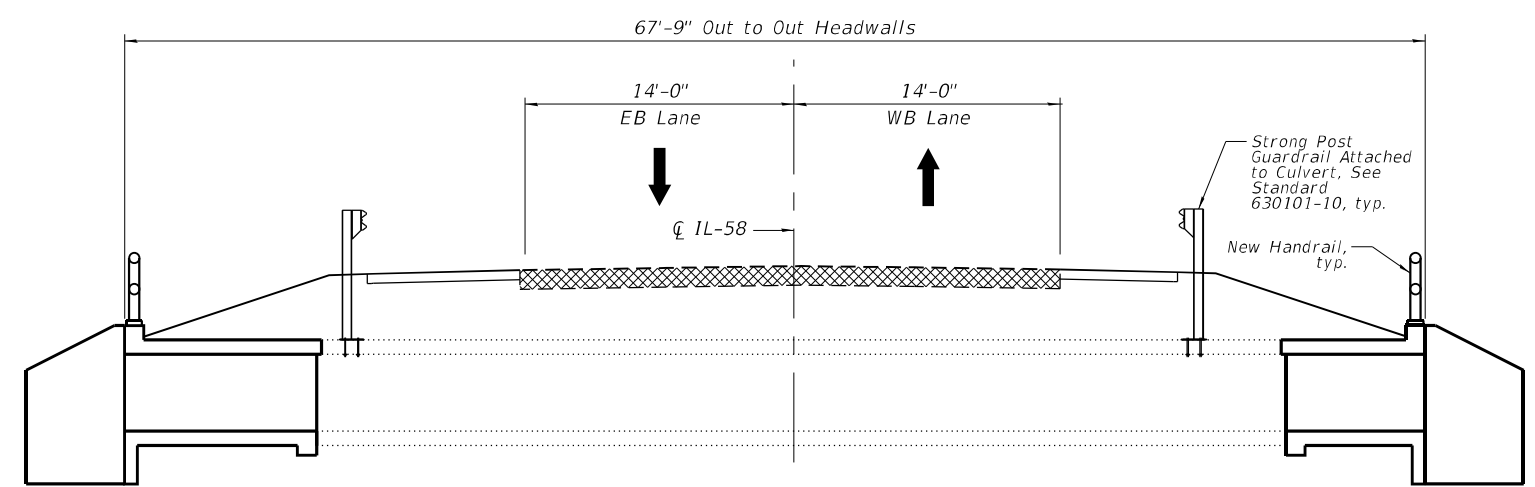
STAGE II REMOVAL
(Looking West)



STAGE I CONSTRUCTION
(Looking West)



STAGE II CONSTRUCTION
(Looking West)



FINAL CROSS SECTION
(Looking West)



| | | |
|------------------------|---------------|-----------|
| USER NAME = atiemann | DESIGNED - AT | REVISED - |
| PLOT SCALE = | CHECKED - AJN | REVISED - |
| PLOT DATE = 03/10/2023 | DRAWN - AT | REVISED - |
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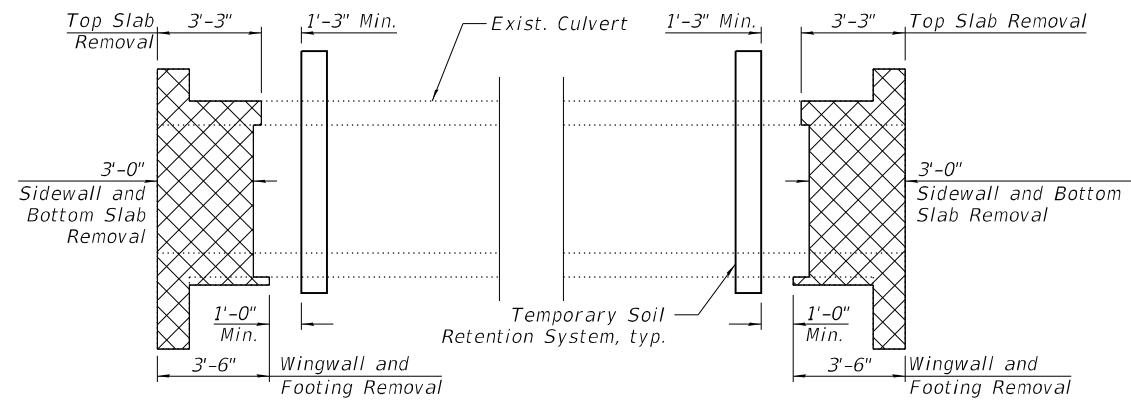
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC DETAILS
STRUCTURE NO. 016-7945

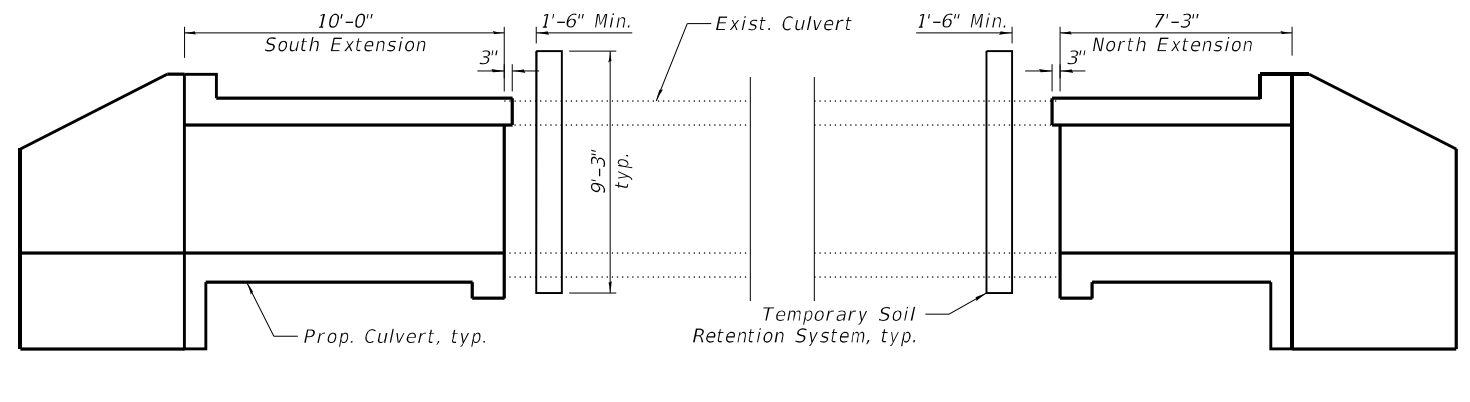
SHEET 3 OF 8 SHEETS

| | | | | |
|--------------|-------------|-------------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 21 |
| CONTRACT NO. | | | 62P08 | |
| ILLINOIS | | FED. AID PROJECT STP-40Y(615) | | |

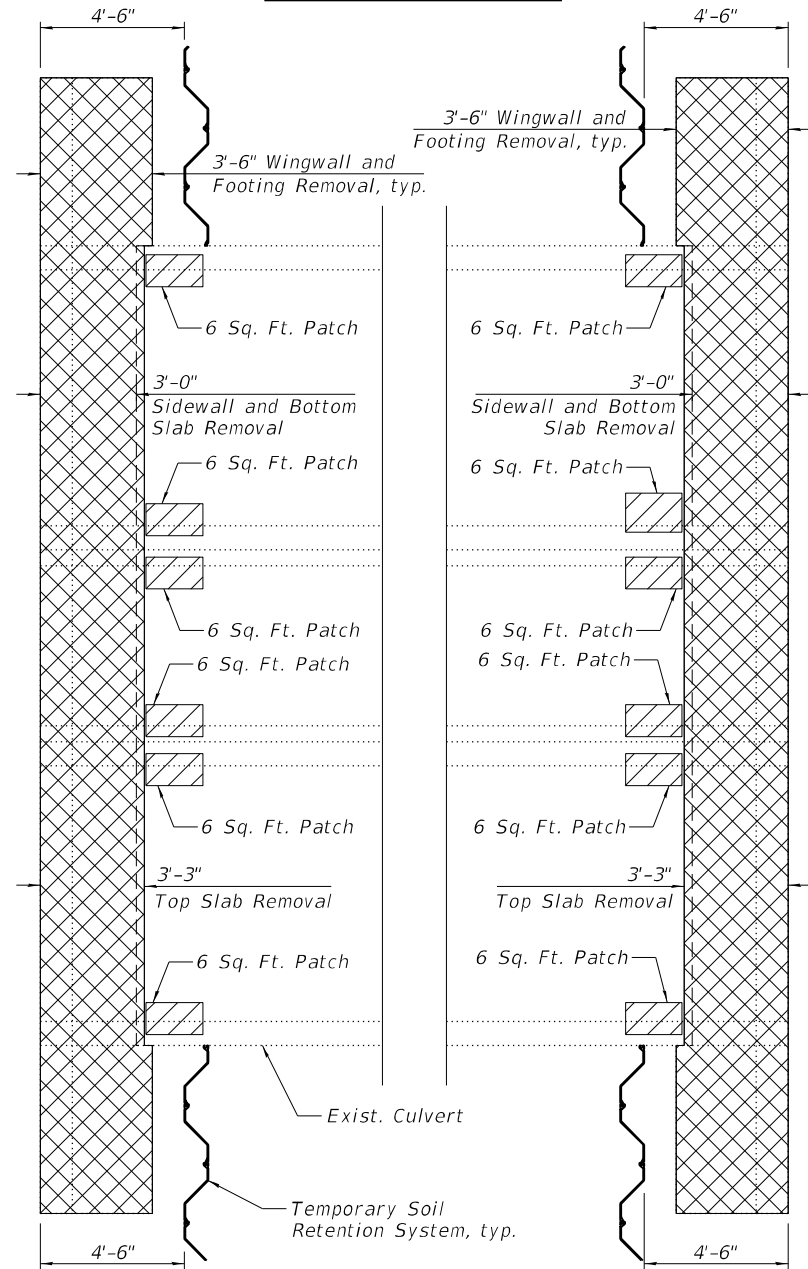
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 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0560
 www.bowman.com



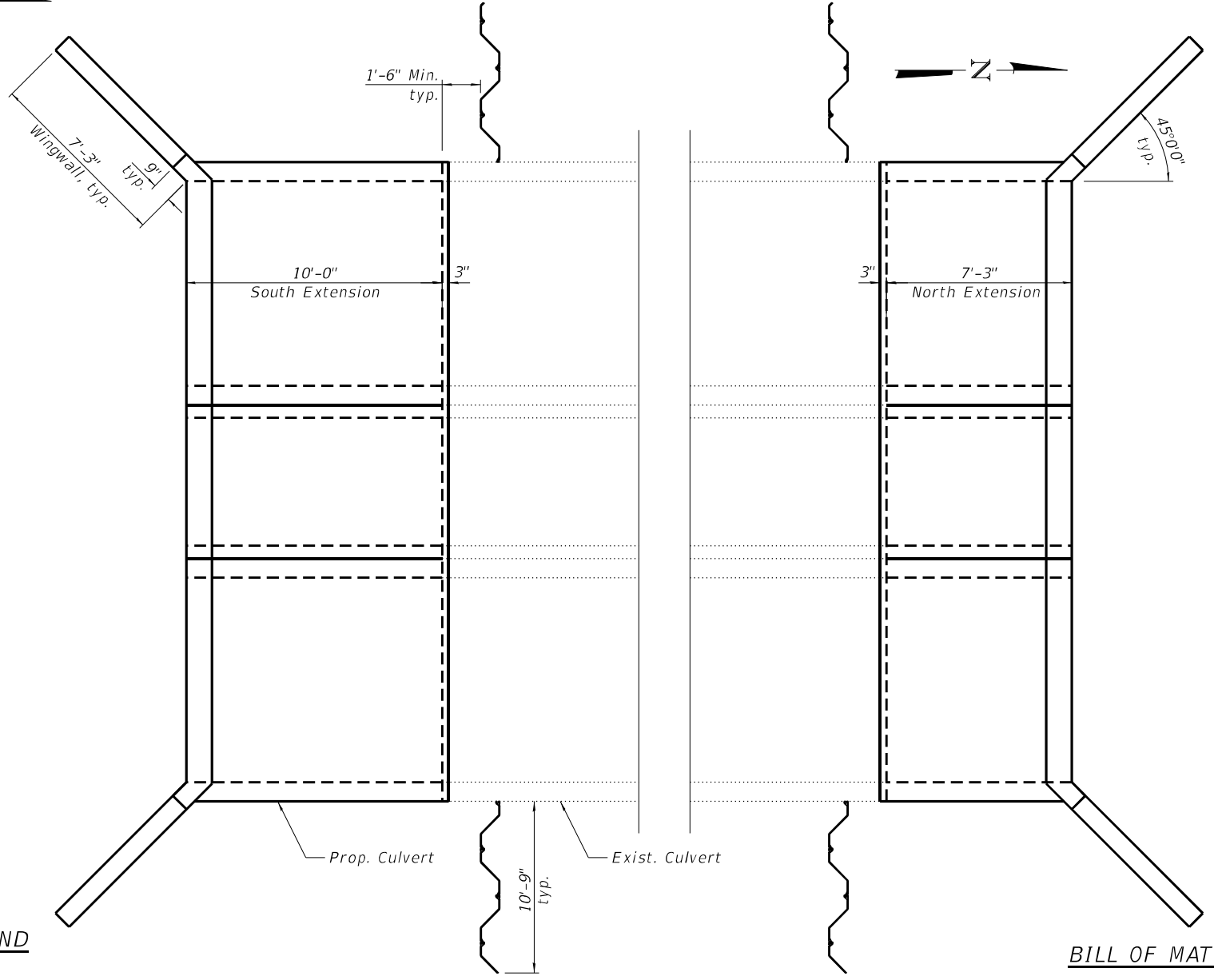
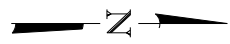
REMOVAL ELEVATION



REPLACEMENT ELEVATION



REMOVAL PLAN



REPLACEMENT PLAN

LEGEND

- Concrete Removal
- Structural Repair of Concrete (Depth ≤ 5")

Note:
 Quantities and limits of Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) are estimated for bidding purposes only. The actual areas to be repaired will be determined by the Engineer in the field at the time of construction.

BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|----------------------------------------------------------------------|---------|-------|
| Concrete Removal | CU. YD. | 23.6 |
| Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) | SQ. FT. | 72.0 |
| Concrete Box Culvert | CU. YD. | 41.3 |
| Temporary Soil Retention System | SQ. FT. | 378 |

| | | | |
|---------------|------------------------|---------------|-----------|
| Bowman | USER NAME = atiemann | DESIGNED - AT | REVISED - |
| | PLOT SCALE = | CHECKED - AJN | REVISED - |
| | PLOT DATE = 03/10/2023 | DRAWN - AT | REVISED - |
| | | CHECKED - AJN | REVISED - |

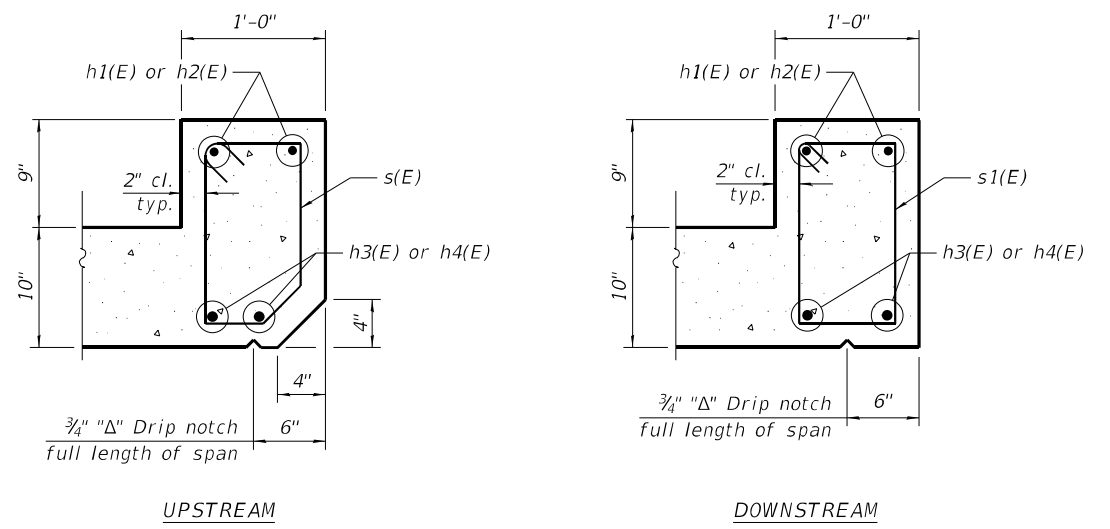
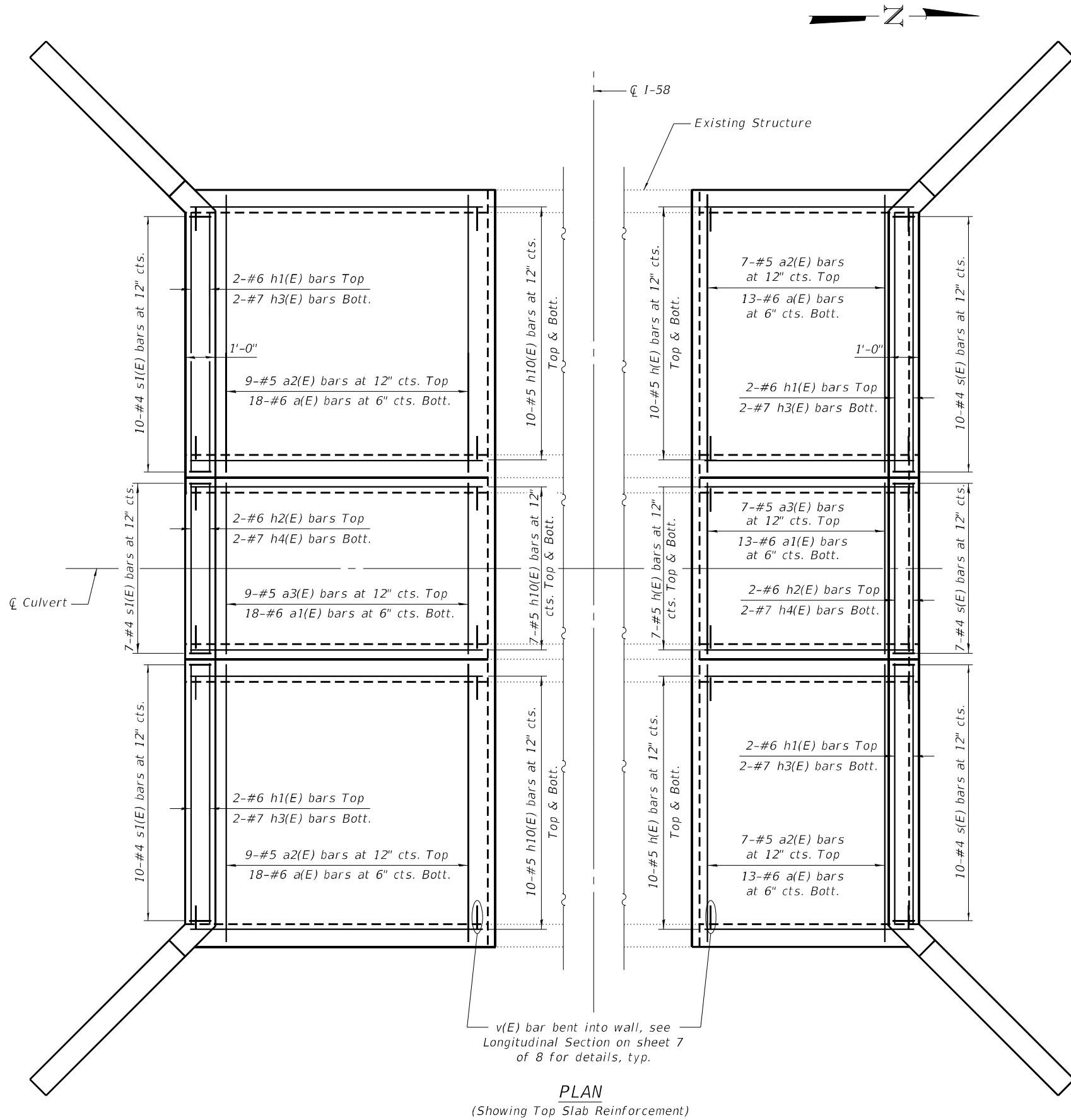
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT LIMITS OF PARTIAL REMOVAL & REPLACEMENT
 STRUCTURE NO. 016-7945**

SHEET 4 OF 8 SHEETS

| | | | | |
|--------------|-------------|--------------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 22 |
| CONTRACT NO. | | | 62P08 | |
| ILLINOIS | | FED. AID PROJECT STP-80YV(615) | | |

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MIN. LAP LENGTH
 #5 bar - 3'-1"

v(E) bar bent into wall, see
 Longitudinal Section on sheet 7
 of 8 for details, typ.



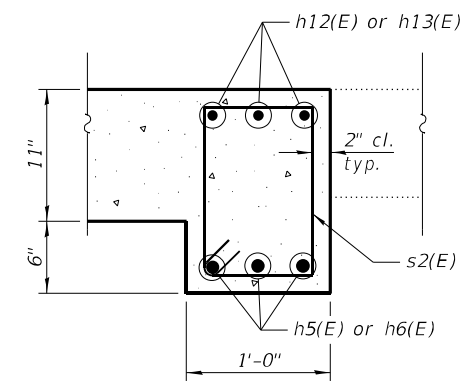
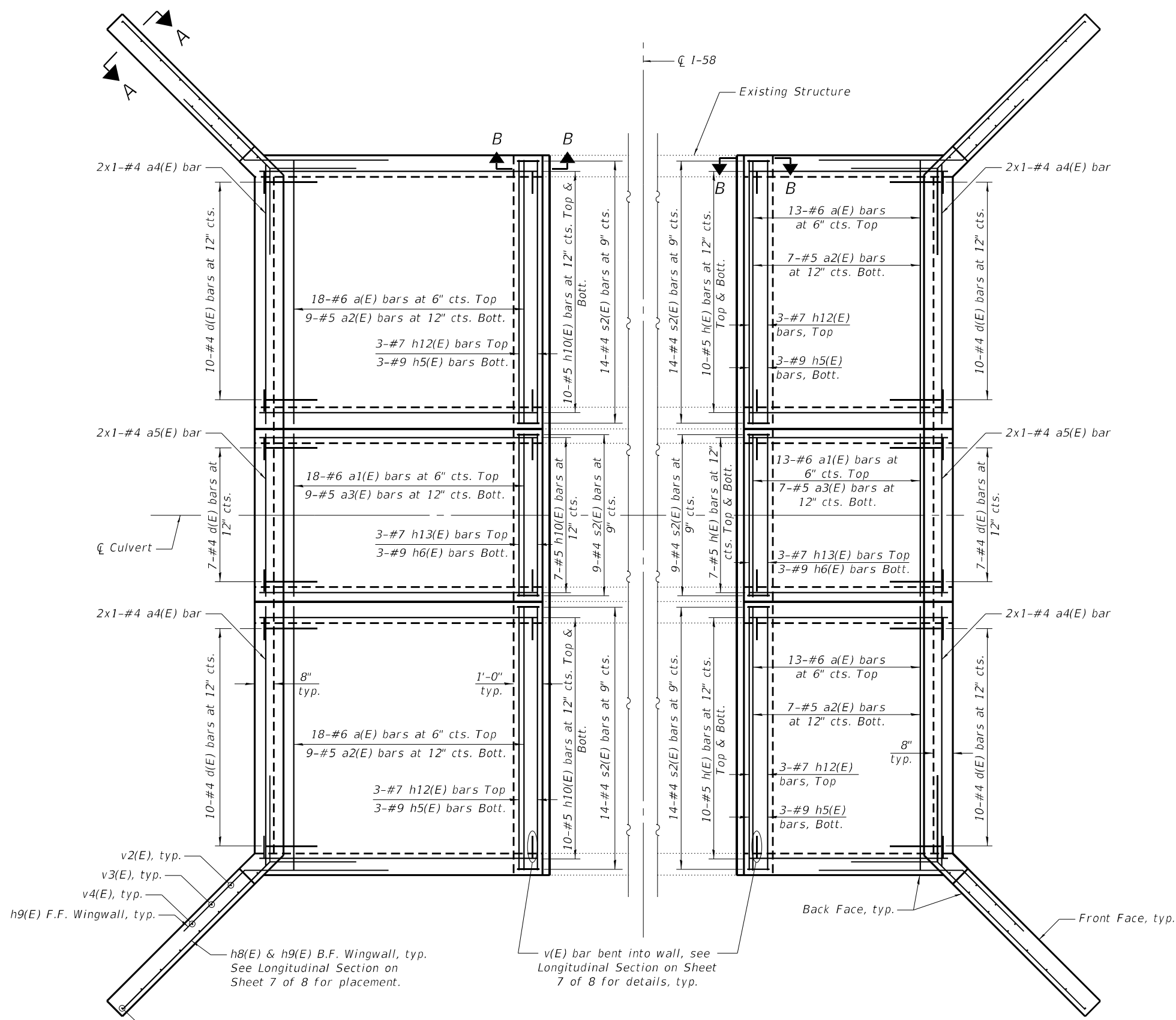
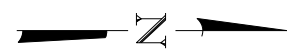
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| PLOT SCALE = | | CHECKED - | AJN | REVISED - | |
| PLOT DATE = | 03/14/2023 | DRAWN - | AT | REVISED - | |
| | | CHECKED - | AJN | REVISED - | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

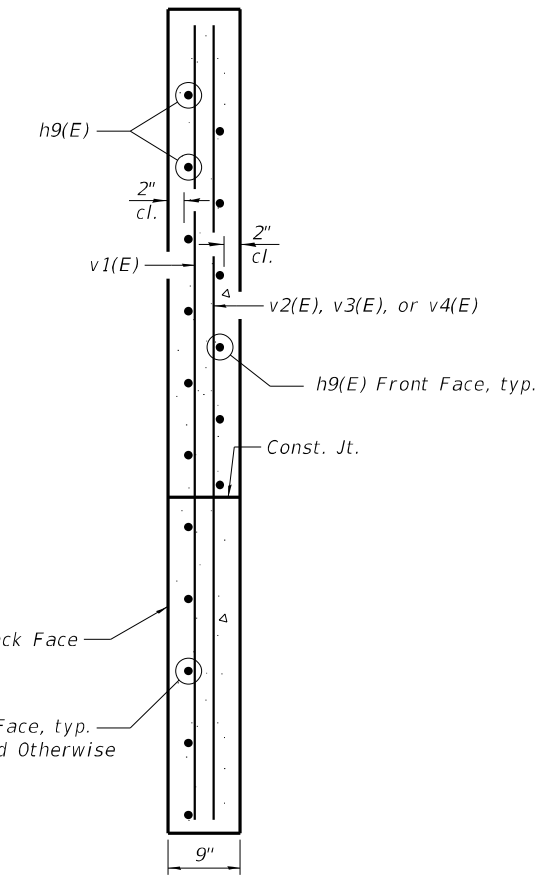
**PLAN OF TOP SLAB
 STRUCTURE NO. 016-7945**

SHEET 5 OF 8 SHEETS

| | | | | |
|--------------|-------------|--------------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 23 |
| CONTRACT NO. | | | 62P08 | |
| ILLINOIS | | FED. AID PROJECT STP-40YV(615) | | |



SECTION B-B



SECTION A-A

PLAN
(Showing Bottom Slab Reinforcement)

MIN. LAP LENGTH
#5 bar - 3'-1"

MODEL: Default
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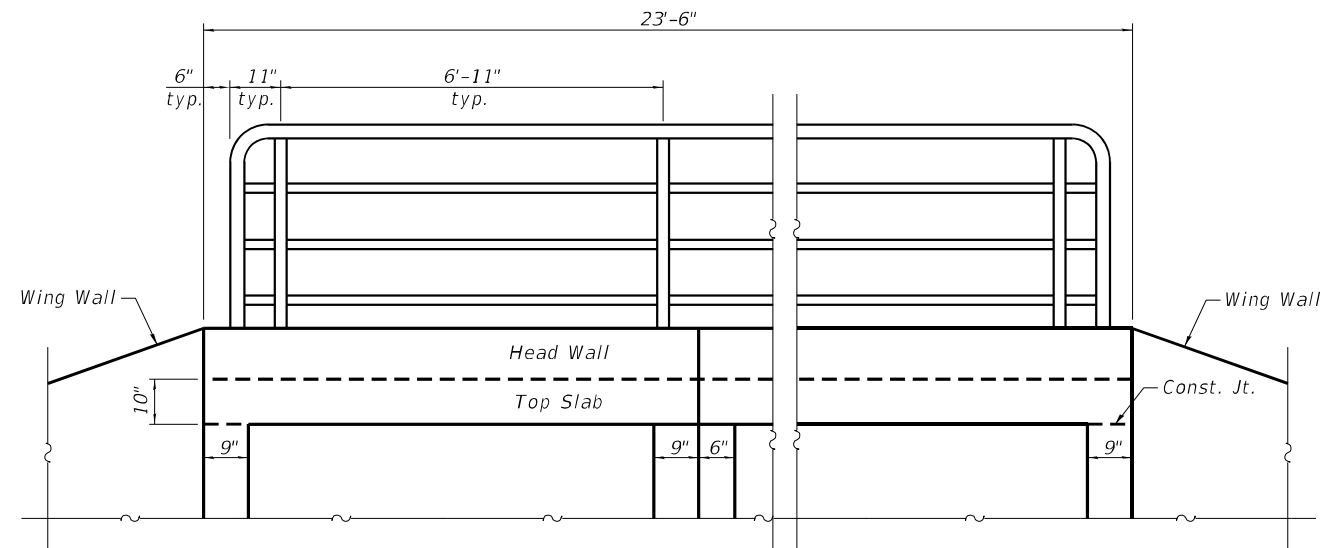
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| USER NAME = | atiemann | DESIGNED - | AT | REVISED - | |
| PLOT SCALE = | | CHECKED - | AJN | REVISED - | |
| PLOT DATE = | 03/14/2023 | DRAWN - | AT | REVISED - | |
| | | CHECKED - | AJN | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

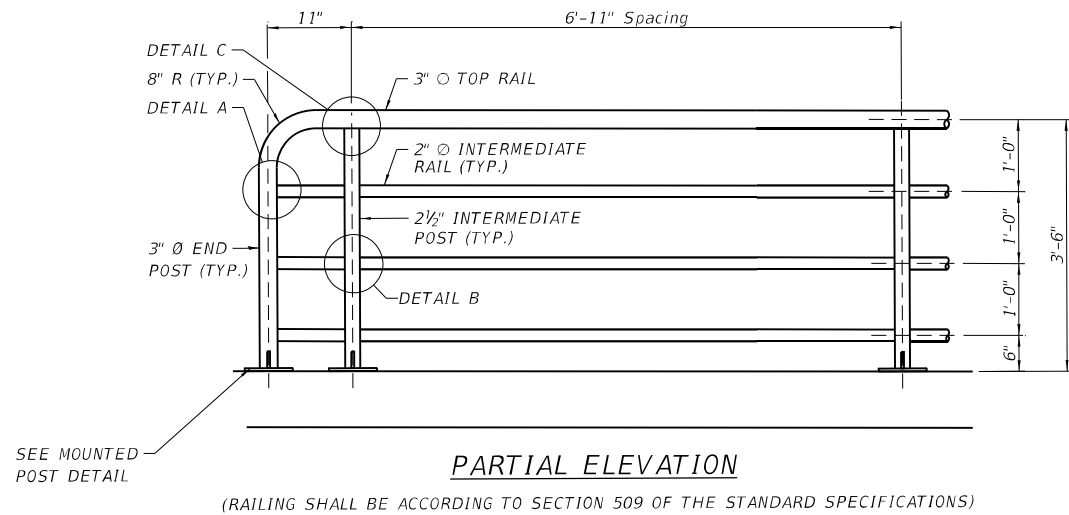
PLAN OF BOTTOM SLAB
STRUCTURE NO. 016-7945

SHEET 6 OF 8 SHEETS

| | | | | |
|--------------|-------------|-------------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1320 | 2021-070-CR | COOK | 34 | 24 |
| CONTRACT NO. | | | 62P08 | |
| ILLINOIS | | FED. AID PROJECT STP-40Y(615) | | |

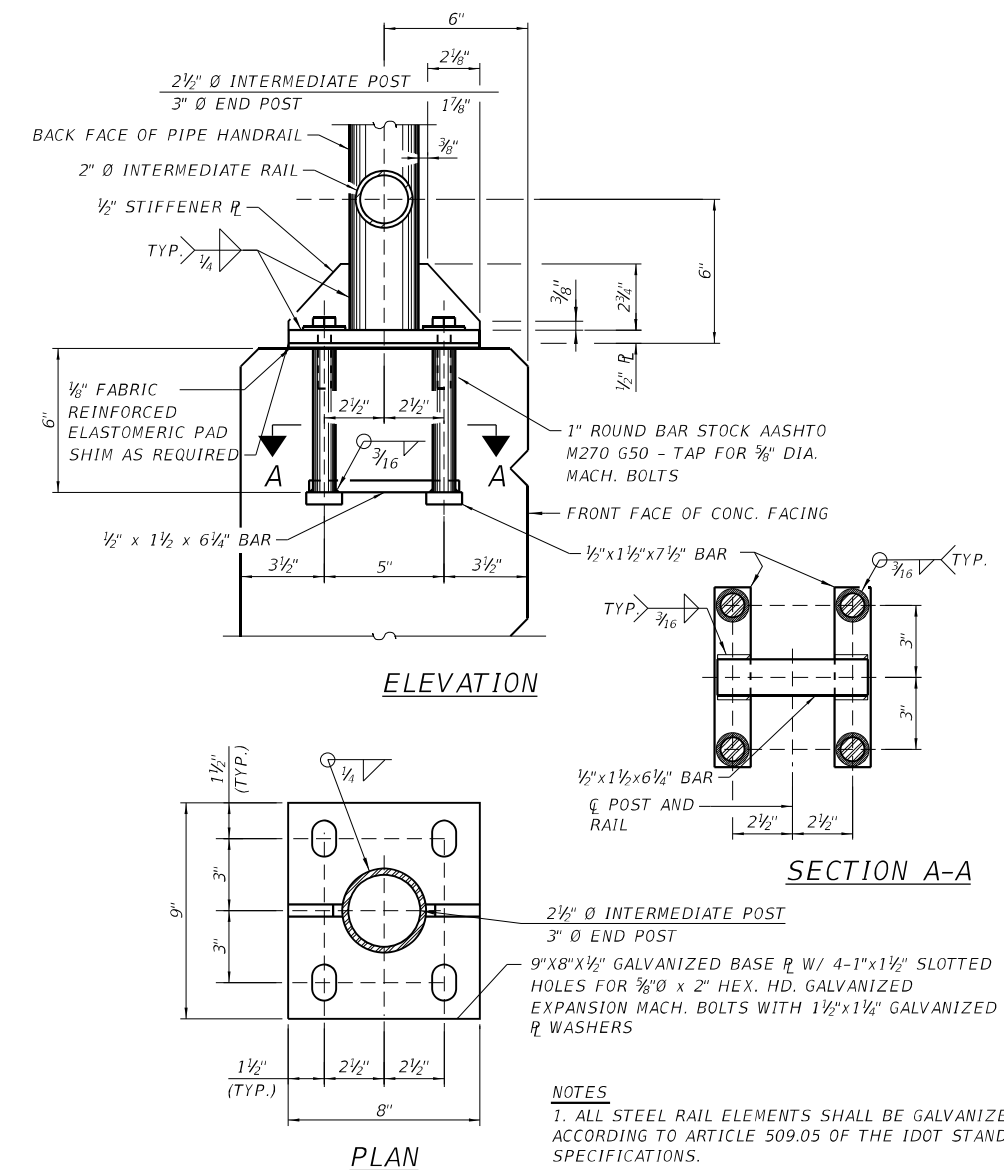
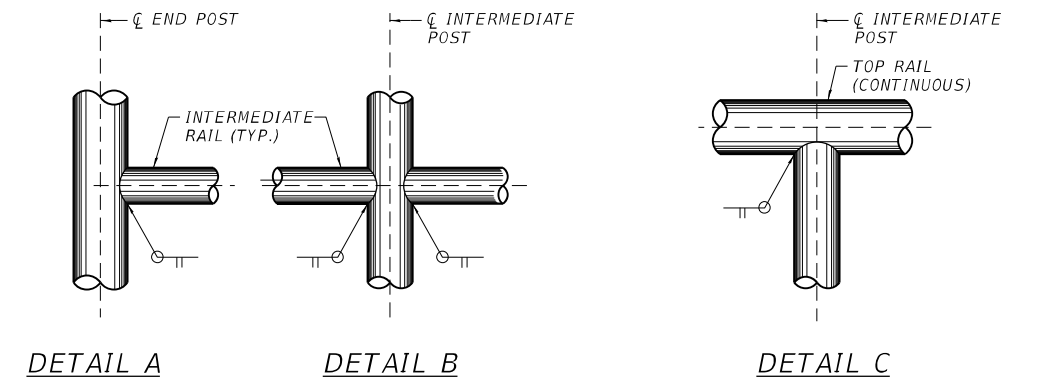


NORTH & SOUTH END OF CULVERT



PARTIAL ELEVATION

(RAILING SHALL BE ACCORDING TO SECTION 509 OF THE STANDARD SPECIFICATIONS)



DETAIL - WALL MOUNTED POST

NOTES
 1. ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE IDOT STANDARD SPECIFICATIONS.

BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|---------------|------|----------|
| PIPE HANDRAIL | FOOT | 45 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HANDRAIL DETAILS
 STRUCTURE NO. 016-7945**

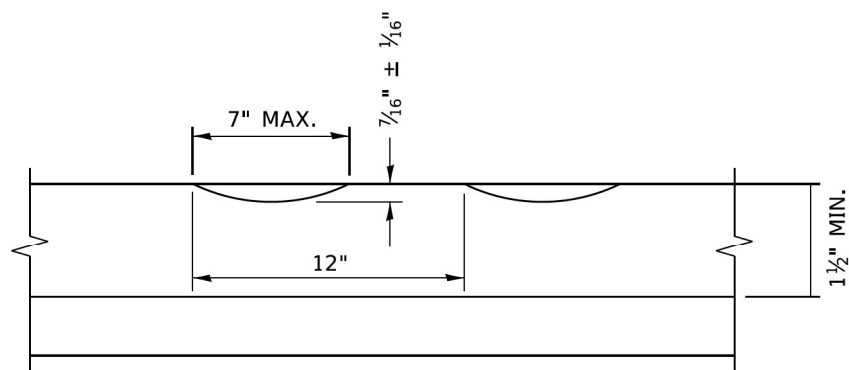
SHEET 8 OF 8 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|-------------|-------------------------------|--------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 26 |
| CONTRACT NO. | | | 62P08 | |
| ILLINOIS | | FED. AID PROJECT STP-80Y(615) | | |

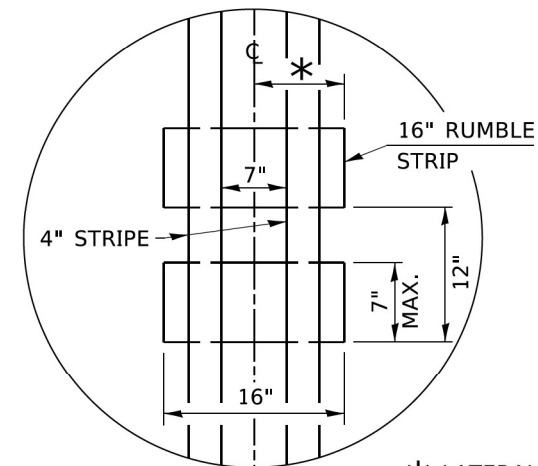
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 Chicago, Illinois 60606
 312-464-0860
 www.bowman.com

| | | | | | |
|--------------|------------|------------|-----|-----------|--|
| USER NAME = | atiemann | DESIGNED - | AT | REVISED - | |
| PLOT SCALE = | | CHECKED - | AJN | REVISED - | |
| PLOT DATE = | 03/10/2023 | DRAWN - | AT | REVISED - | |
| | | CHECKED - | AJN | REVISED - | |



SECTION A-A



* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.

DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

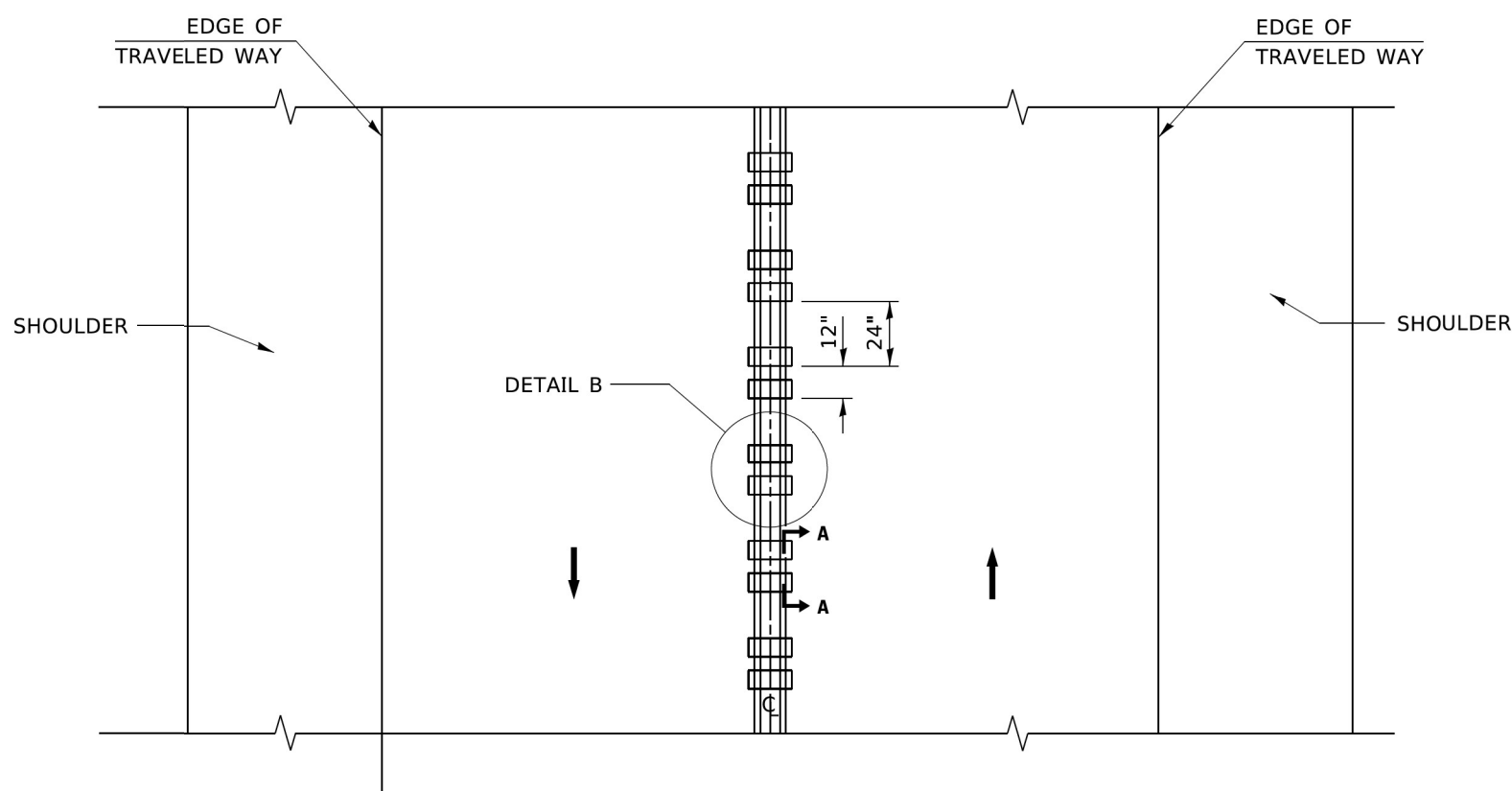
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

MODEL: BD-55
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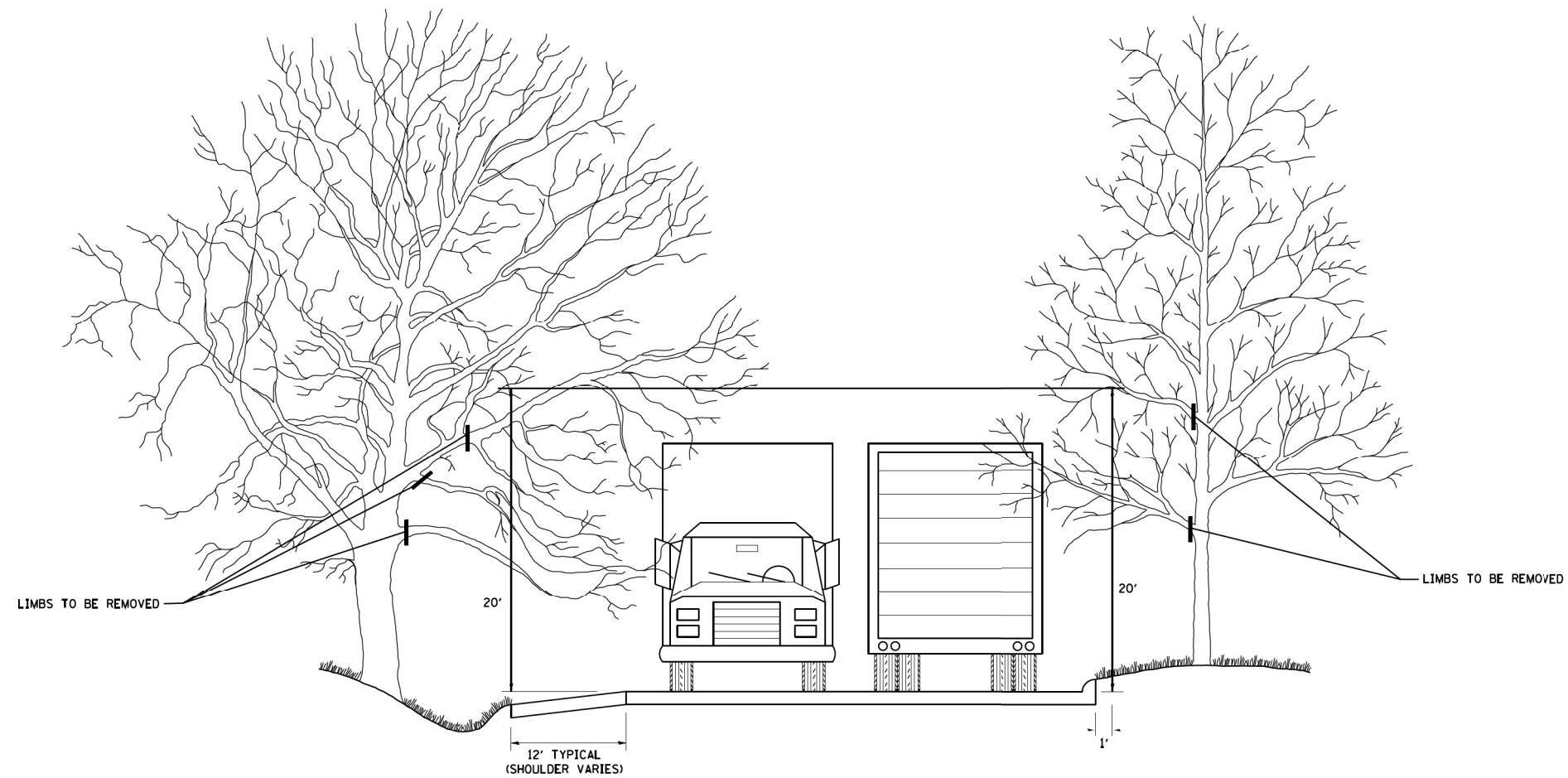
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|----------------------------|--------------------|-----------|
| USER NAME = footemj | DESIGNED - R. BORO | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 50,0000' / 1" | CHECKED - | REVISED - |
| PLOT DATE = 3/27/2019 | DATE - 08-06-2012 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------------------|-------------|--------|---------------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 27 |
| BD 55 | | | CONTRACT NO. 62P08 | |
| ILLINOIS FED. AID PROJECT 51P-URB-90Y(615) | | | | |



MODEL: BM-20
 FILE NAME: W:\diststd\22x34\bm20.dgn
 USER: geglennobt
 DATE: 1/4/2008
 PROJECT: 2021-070-CR
 COUNTY: COOK
 CONTRACT NO: 62P08

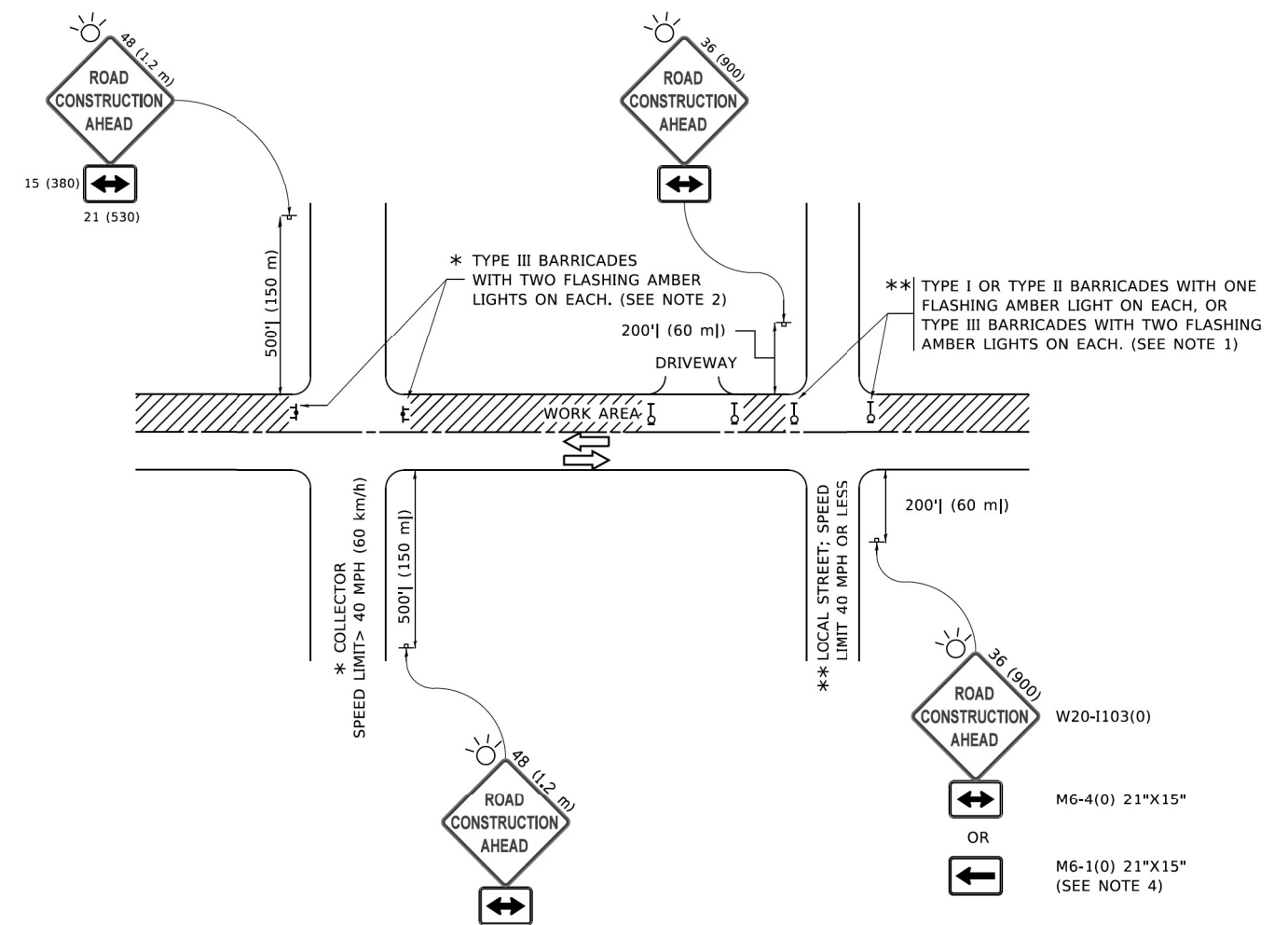
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| PLOT SCALE = 50.000 ' / IN. | | CHECKED - | REVISED - |
| PLOT DATE = 1/4/2008 | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------------------------------------------|-------------|---------------------------|--------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 28 |
| BM-20 | | CONTRACT NO. 62P08 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 51P-URB-90Y(615) | | | | |



NOTES:

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

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

MODEL: TC-10
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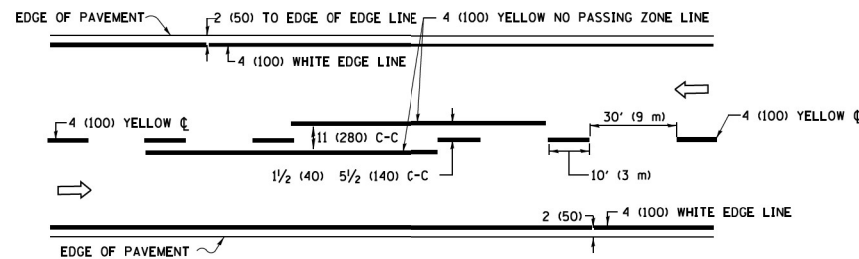
| | | |
|------------------------------|-------------------|---------------------------------|
| USER NAME = footemj | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 50,0000 ' / ft. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 |
| PLOT DATE = 3/4/2019 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

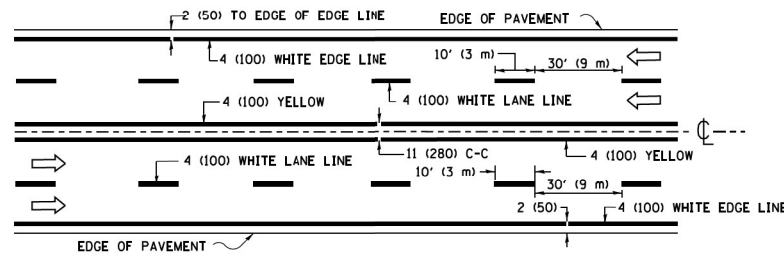
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

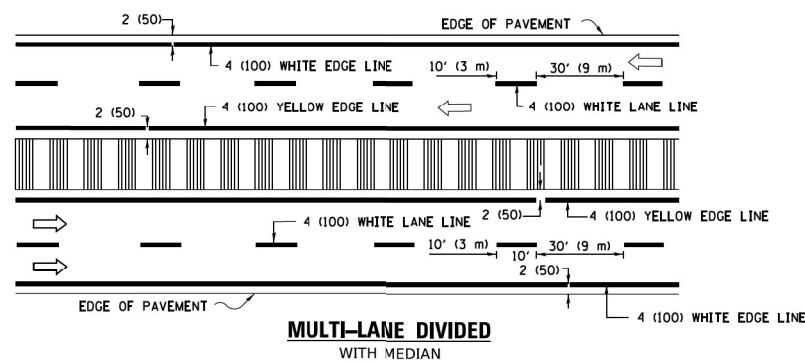
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------------------------------|-------------|--------|---------------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 29 |
| TC-10 | | | CONTRACT NO. 62P08 | |
| <small>ILLINOIS FED. AID PROJECT 51P-URB-90Y(615)</small> | | | | |



2-LANE ROADWAY

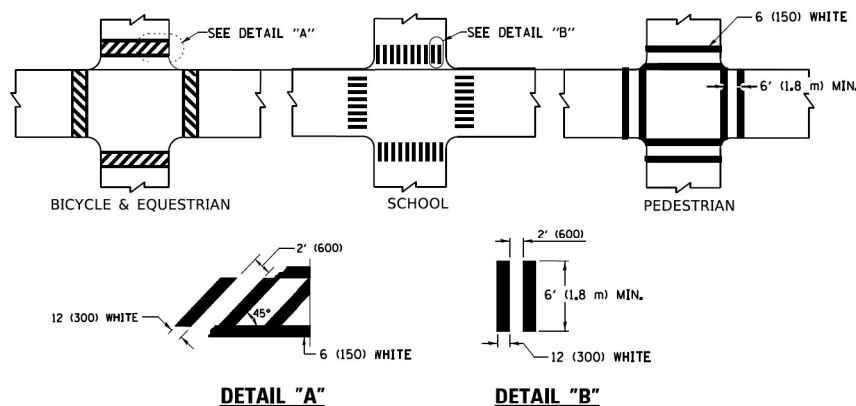


MULTI-LANE UNDIVIDED



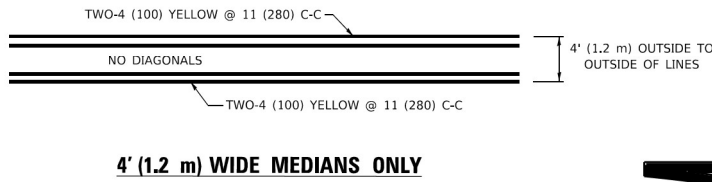
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

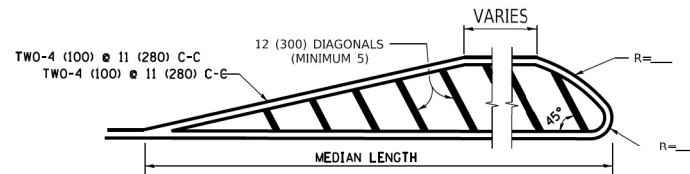


TYPICAL CROSSWALK MARKING

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

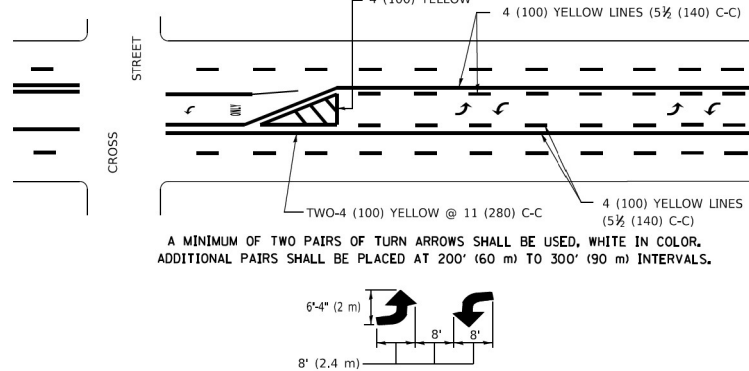


4' (1.2 m) WIDE MEDIANS ONLY

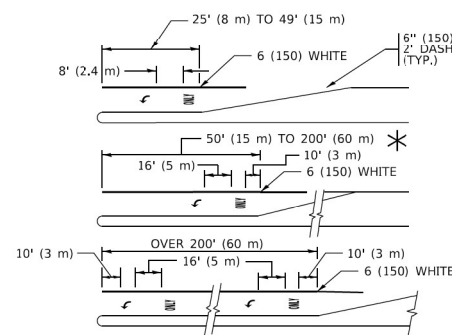


MEDIANS OVER 4' (1.2 m) WIDE

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



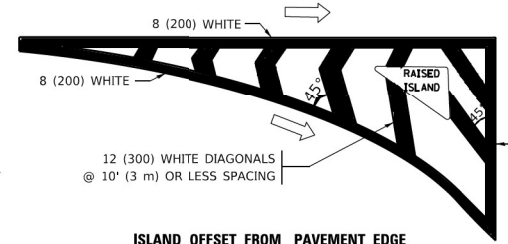
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



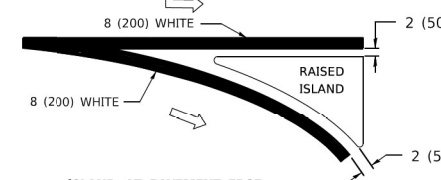
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

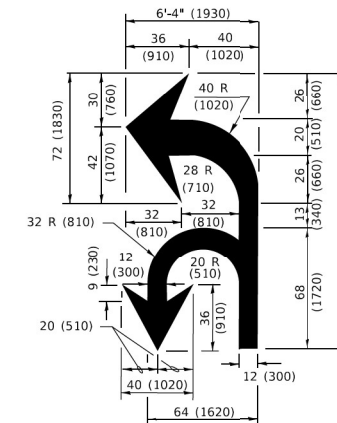


ISLAND OFFSET FROM PAVEMENT EDGE

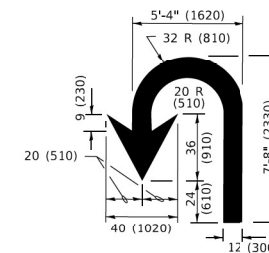


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

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

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

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

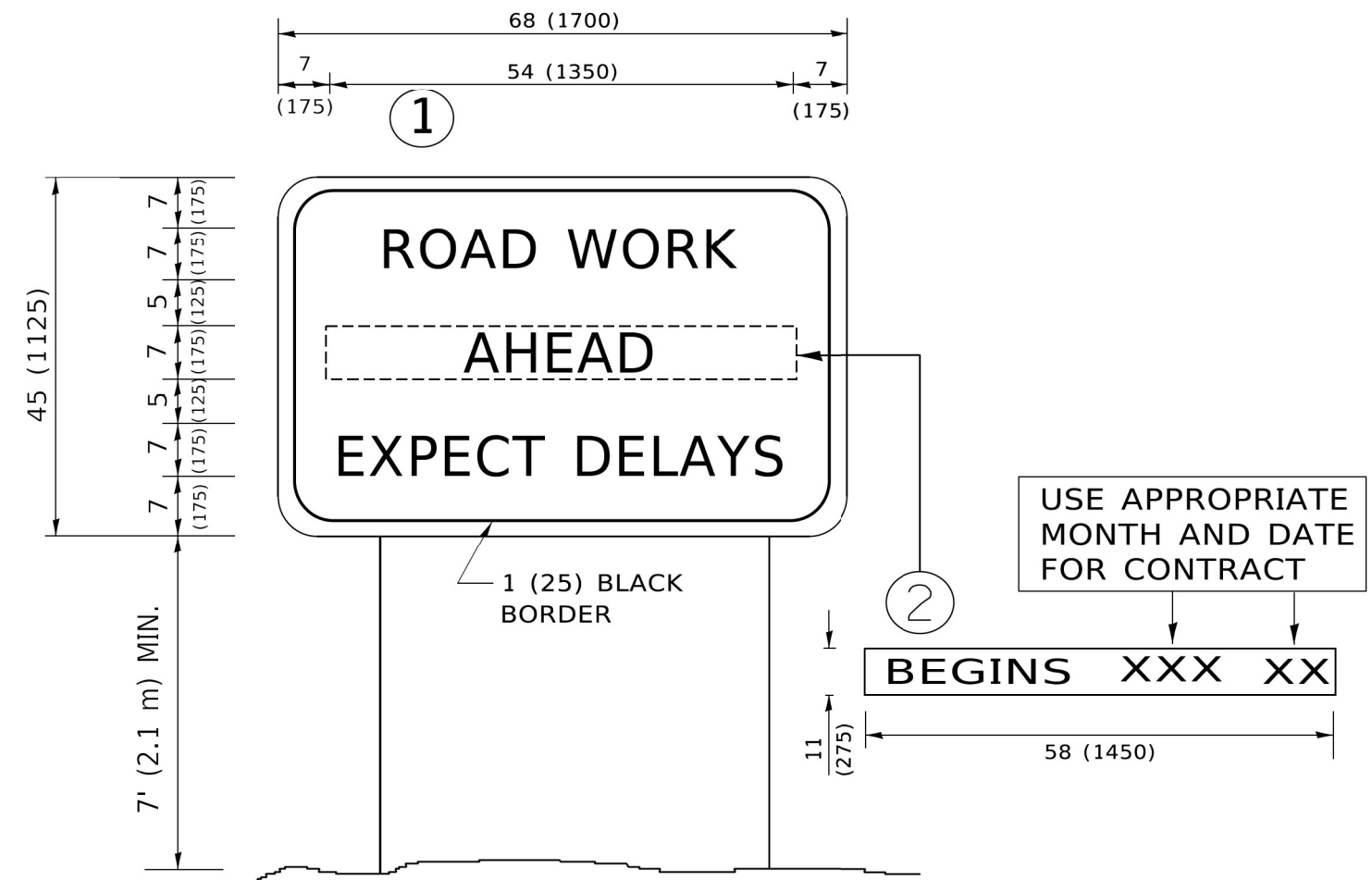
MODEL: TC-13
FILE: M:\M&E\GIS\Drawings\2020\04_IDOT_DUR_Brown\11100_22 - 62700\CD\000\0000_Sheets\CH\01617P08-11-Sub\11-1-14-16.dwg

| | | |
|--------------------------|------------------|------------------------------|
| USER NAME = footemj | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| PLOT SCALE = 50,0000 1/1 | CHECKED - | REVISED - C. JUCIUS 07-01-13 |
| PLOT DATE = 3/4/2019 | DATE - 03-19-90 | REVISED - C. JUCIUS 12-21-15 |
| | | REVISED - C. JUCIUS 04-12-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| DISTRICT ONE TYPICAL PAVEMENT MARKINGS | | | |
|-------------------------------------------|---------|-------------|--------------|
| SCALE: NONE | SHEET 1 | OF 2 SHEETS | STA. TO STA. |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------------|-------------|--------------------|--------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 31 |
| TC-13 | | CONTRACT NO. 62P08 | | |
| ILLINOIS FED. AID PROJECT 51P-URB-90Y(1615) | | | | |



NOTES:

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

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

MODEL: TC-22
FILE: M:\MIS\GIS\Engineering\1414\14140004_1DOT.DWG - 627081.CADD\14140004_1DOT.DWG - 627081.CADD\14140004_1DOT.DWG

| | | |
|------------------------------|------------|---------------------------------|
| USER NAME = footemj | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| | DRAWN - | REVISED - R. MIRS 12-11-97 |
| PLOT SCALE = 50,0000 ' / ft. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------------------|-------------|--------|--------------------|-----------|
| 1320 | 2021-070-CR | COOK | 34 | 33 |
| TC-22 | | | CONTRACT NO. 62P08 | |
| ILLINOIS FED. AID PROJECT 51P-UR8-90Y(615) | | | | |

