

06-13-2025 LETTING ITEM 191

FOR INDEX OF SHEETS, SEE SHEET NO. 2

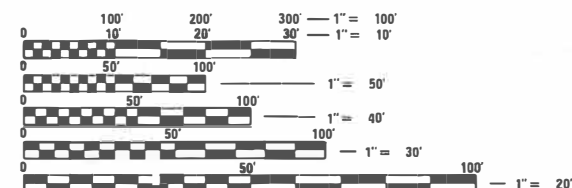
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

HIGHWAY FUNCTIONAL CLASSIFICATION

OAKWOOD DRIVE: LOCAL

TRAFFIC DATA

OAKWOOD DRIVE
2021 ADT = 1,150
2050 ADT = 2,500
POSTED SPEED LIMIT: 25 MPH
DESIGN SPEED LIMIT: 30 MPH



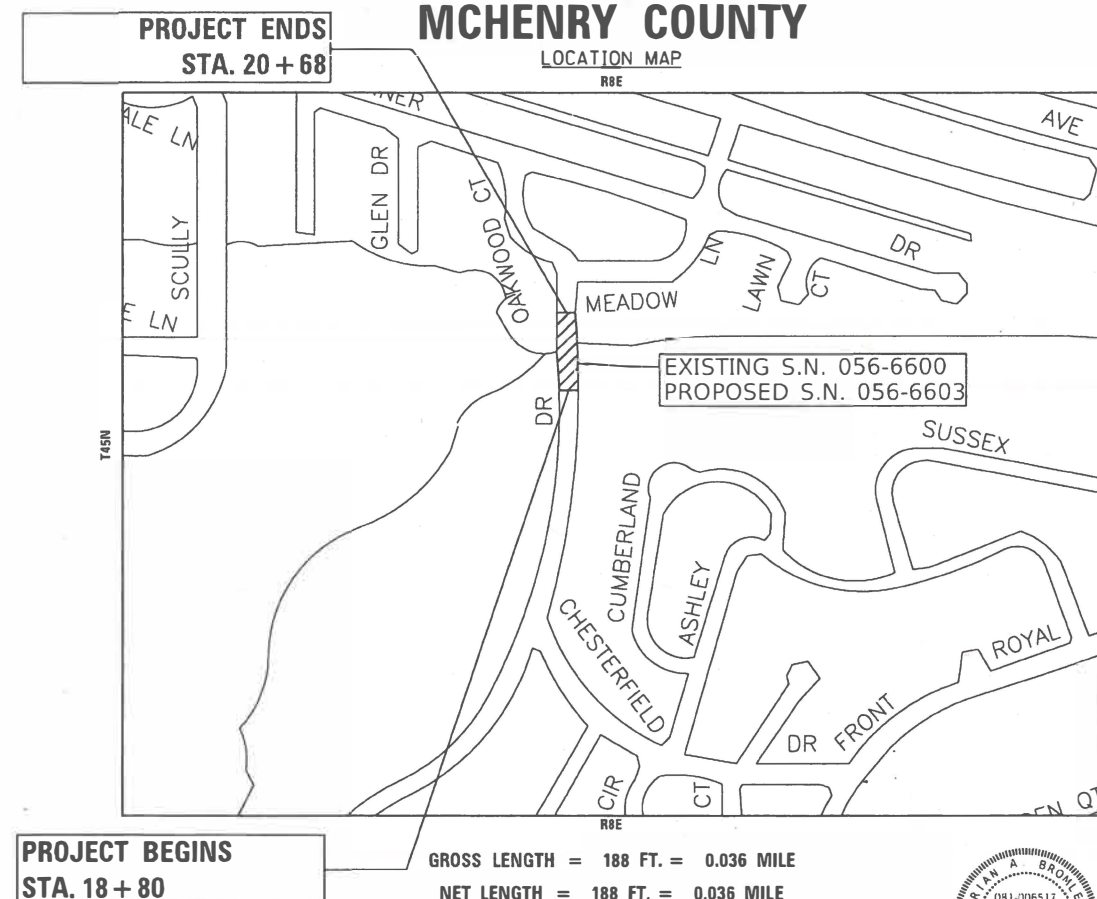
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 61L49

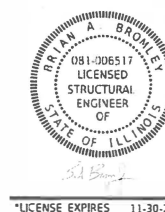
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROPOSED HIGHWAY PLANS

M.U.N 2018 OAKWOOD DRIVE
OVER BOONE CREEK
SECTION: 18-00086-00-BR
PROJECT: VE2F(436) JOB: C-91-408-19
STRUCTURE REPLACEMENT
CITY OF MCHENRY
MCHENRY COUNTY



GROSS LENGTH = 188 FT. = 0.036 MILE
NET LENGTH = 188 FT. = 0.036 MILE

BAXTER & WOODMAN
Consulting Engineers



| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 1 |
| ILLINOIS CONTRACT NO. 61L49 | | | | |



LOCATION OF SECTION INDICATED THUS: -

| | |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS | |
| APPROVED | 3-24-25 [Signature] CITY OF MCHENRY GREGORY J. CRVEN |
| PASSED | APRIL 4, 2025 [Signature] DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS |
| RELEASING FOR BID BASED ON LIMITED REVIEW | APRIL 4 th , 2025 [Signature] REGIONAL ENGINEER |

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS
B&W PROJECT NO.: 190202 DATE: 3-20-2025

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY MCHENRY COUNTY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. CITY OF MCHENRY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY OF MCHENRY WATER IF DEEMED NECESSARY.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE CITY WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY MCHENRY COUNTY TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- IN AREAS WHERE THE EXISTING DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE APPROPRIATE REMOVAL PAY ITEMS.
- THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
- ALL STORM SEWER SHALL BE REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 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.

MAINTNENACE OF TRAFFIC NOTES

- THE SUGGESTED MAINTENANCE OF TRAFFIC CONTROL DEPICTED HERE IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE CURRENT VERSION OF THE IDOT HIGHWAY STANDARDS, THE CURRENT VERSION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM 22' CLEAR WIDTH ROADWAY IN EACH DIRECTION FOR TWO-WAY TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DETERMINED BY THE ENGINEER.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES.
- ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE, COMMERCIAL AND FIELD ENTRANCES DURING CONSTRUCTION.
- CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN CITY OF MCHENRY RIGHT-OF-WAY IN FRONT OF COMMERCIAL BUSINESS PROPERTIES. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.
- TYPE II BARRICADES, DRUMS AND VERTICAL PANELS SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED WORK ZONE, 20' WITHIN TAPERED SECTIONS AND 10' WITHIN CURVES/ RADII OR AS DETERMINED BY THE ENGINEER.
- PRIOR TO OPENING CLOSED ROADS TO TRAFFIC, THE FINAL SURFACE COURSE SHALL BE COMPLETED.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

LANDSCAPE RESTORATION AND PROTECTION NOTES

- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WATERWAY. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

INDEX OF SHEETS

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HIGHWAY STANDARDS

| | |
|-------------|----------------------------------------------------------------------------|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 285001-02 | FABRIC FORMED CONCRETE REVENTMENT MATS |
| 515001-04 | NAME PLATE FOR BRIDGES |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 602001-02 | CATCH BASIN TYPE A |
| 602306-03 | INLET - TYPE B |
| 602402-03 | PRECAST MANHOLE TYPE A 5' (1.52m) DIAMETER |
| 604051-04 | FRAME AND GRATE TYPE 11 |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-10 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS |
| B.L.R. 28-1 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |

DISTRICT 1 DETAILS

| | |
|-------|-----------------------------------------------------------------------------|
| BD-32 | BUTT JOINTS AND HMA TAPER |
| TC-10 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS |
| TC-21 | DETOUR SIGNING FOR CLOSING STATE HIGHWAYS |
| TC-22 | ARTERIAL ROAD INFORMATION SIGN |

COMMITMENTS

- TREES THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR (NRR MEMO DATED JUNE 16, 2024).
- CONTACT THE POLICE DEPARTMENT WITH FINALIZED DETOUR PLAN AND ACTUAL DATES OF CLOSURE WHEN AVAILABLE.
- TEMPORARY FILLS MUST BE REMOVED IN THEIR ENTIRETY AND THE AFFECTED AREAS RETURNED TO PRE-CONSTRUCTION LEVELS. THE AREAS AFFECTED BY TEMPORARY FILLS MUST BE REVEGETATED, AS APPROPRIATE, WITH A CLASS 4 AND 5A OR 5B MIXTURE IN ACCORDANCE WITH SECTION 250 OF IDOT'S STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.

| | | | | | | | | | | | |
|-------------------------------------------------------------------------------------|------------------------------|------------------|-----------|---------------------------------------------------|----------------------------------------------------------|--|--------------------|---------------------|---------|--------------|---------------------------|
|  | USER NAME = mvandervelden | DESIGNED ZW | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES, INDEX OF SHEETS, AND HIGHWAY STANDARDS | | MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN KAR | | REVISED - | | | | 2018 | 18-00086-00-BR | MCHENRY | 31 | 2 |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED JSH | REVISED - | | | | CONTRACT NO. 61149 | | | | |
| | PLOT DATE = 3/27/2025 | DATE - 3/27/2025 | REVISED - | | | | SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT |

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| | | | | | |
|------------|-------------------|----------|-------------|---------|---|
| USER NAME | = mvandervelden | DESIGNED | ZW | REVISED | - |
| | | DRAWN | KAR | REVISED | - |
| PLOT SCALE | = 40.0000 ' / in. | CHECKED | JSH | REVISED | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SUMMARY OF QUANTITIES

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|----------------|--------------------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 3 |
| | | CONTRACT NO. 61L49 | | |
| ILLINOIS | | FED. AID PROJECT | | |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|----------|----------------------------------------------|-------|----------------|-------------------|
| | | | | 100% FEDERAL |
| | | | | ROADWAY |
| | | | | 0010 URBAN |
| 20200100 | EARTH EXCAVATION | CU YD | 1 | 1 |
| | | | | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 184 | 184 |
| | | | | |
| 20300100 | CHANNEL EXCAVATION | CU YD | 20 | 20 |
| | | | | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 87 | 87 |
| | | | | |
| 20700220 | POROUS GRANULAR EMBANKMENT | CU YD | 140 | 140 |
| | | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 53 | 53 |
| | | | | |
| 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | SQ YD | 645 | 645 |
| | | | | |
| 21101625 | TOPSOIL FURNISH AND PLACE, 6" | SQ YD | 45 | 45 |
| | | | | |
| 21301048 | EXPLORATION TRENCH 48" DEPTH | FOOT | 75 | 75 |
| | | | | |
| 25000200 | SEEDING, CLASS 2 | ACRE | 0.25 | 0.25 |
| | | | | |
| 25000314 | SEEDING, CLASS 4B | ACRE | 0.25 | 0.25 |
| | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 26 | 26 |
| | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 26 | 26 |
| | | | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 50 | 50 |
| | | | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 590 | 590 |
| | | | | |

* INDICATES SPECIALTY ITEM

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|----------|------------------------------------------------------|-------|----------------|-------------------|
| | | | | 100% FEDERAL |
| | | | | ROADWAY |
| | | | | 0010 URBAN |
| 28000510 | INLET FILTERS | EACH | 2 | 2 |
| | | | | |
| 28001100 | TEMPORARY EROSION CONTROL BLANKET | SQ YD | 1,272 | 1,272 |
| | | | | |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 240 | 240 |
| | | | | |
| 28200200 | FILTER FABRIC | SQ YD | 240 | 240 |
| | | | | |
| 30300001 | AGGREGATE SUBGRADE IMPROVEMENT | CU YD | 184 | 184 |
| | | | | |
| 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SQ YD | 645 | 645 |
| | | | | |
| 35101600 | AGGREGATE BASE COURSE, TYPE B 4" | SQ YD | 278 | 278 |
| | | | | |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 1,452 | 1,452 |
| | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 146 | 146 |
| | | | | |
| 40603080 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | TON | 142 | 142 |
| | | | | |
| 40604060 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 | TON | 71 | 71 |
| | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 2,502 | 2,502 |
| | | | | |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 645 | 645 |
| | | | | |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 376 | 376 |
| | | | | |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 2,132 | 2,132 |
| | | | | |

* INDICATES SPECIALTY ITEM

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| USER NAME | = mvandervelden | DESIGNED | ZW | REVISED | - |
| | | DRAWN | KAR | REVISED | - |
| PLOT SCALE | = 40.0000 ' / in. | CHECKED | JSH | REVISED | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SUMMARY OF QUANTITIES

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 4 |
| CONTRACT NO. 61L49 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|------------|------------------------------------------------------------|-------|----------------|-------------------|
| | | | | 100% FEDERAL |
| | | | | ROADWAY |
| | | | | 0010 |
| | | | | URBAN |
| 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 | 1 |
| | | | | |
| 50200300 | COFFERDAM EXCAVATION | CU YD | 343 | 343 |
| | | | | |
| 50200450 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES | CU YD | 131 | 131 |
| | | | | |
| 50201121 | COFFERDAM (TYPE 2) (LOCATION - 1) | EACH | 1 | 1 |
| | | | | |
| 50300285 | FORM LINER TEXTURED SURFACE | SQ FT | 1,104 | 1,104 |
| | | | | |
| 50300300 | PROTECTIVE COAT | SQ YD | 123 | 123 |
| | | | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 42,490 | 42,490 |
| | | | | |
| * 50900805 | PEDESTRIAN RAILING | FOOT | 55 | 55 |
| | | | | |
| * 50901750 | PARAPET RAILING | FOOT | 78 | 78 |
| | | | | |
| 51500100 | NAME PLATES | EACH | 1 | 1 |
| | | | | |
| 54003000 | CONCRETE BOX CULVERTS | CU YD | 252 | 252 |
| | | | | |
| 54213657 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | EACH | 1 | 1 |
| | | | | |
| 550A0050 | STORM SEWERS, CLASS A, TYPE 1 12" | FOOT | 12 | 12 |
| | | | | |
| 550A0340 | STORM SEWERS, CLASS A, TYPE 2 12" | FOOT | 48 | 48 |
| | | | | |
| * 56104100 | DUCTILE IRON WATER MAIN, MECHANICAL JOINT 12" | FOOT | 153 | 153 |
| | | | | |

* INDICATES SPECIALTY ITEM

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|------------|-------------------------------------------------------------|--------|----------------|-------------------|
| | | | | 100% FEDERAL |
| | | | | ROADWAY |
| | | | | 0010 |
| | | | | URBAN |
| * 56105200 | WATER VALVES 12" | EACH | 2 | 2 |
| | | | | |
| * 56400820 | FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX | EACH | 1 | 1 |
| | | | | |
| 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 223 | 223 |
| | | | | |
| 60221100 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 |
| | | | | |
| 60240310 | INLETS, TYPE B, TYPE 11 FRAME AND GRATE | EACH | 2 | 2 |
| | | | | |
| * 60248900 | VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 2 | 2 |
| | | | | |
| 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 376 | 376 |
| | | | | |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 46 | 46 |
| | | | | |
| * 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 | 5 | 5 |
| | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 |
| | | | | |
| 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 1 | 1 |
| | | | | |
| * 72800100 | TELESCOPING STEEL SIGN SUPPORT | FOOT | 13 | 13 |
| | | | | |

* INDICATES SPECIALTY ITEM

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SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|------------|-----------------------------------------------------|-------|----------------|-------------------|
| | | | | 100% FEDERAL |
| | | | | ROADWAY |
| | | | | 0010 |
| | | | | URBAN |
| Z0054400 | ROCK FILL | CU YD | 131 | 131 |
| | | | | |
| Z0013796 | SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE | SQ YD | 77 | 77 |
| | | | | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 |
| | | | | |
| * Z0073510 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 3 | 3 |
| | | | | |
| X7200061 | TEMPORARY INFORMATION SIGNING | SQ FT | 52 | 52 |
| | | | | |
| X0326806 | WASHOUT BASIN | L SUM | 1 | 1 |
| | | | | |
| X2511630 | EROSION CONTROL BLANKET (SPECIAL) | SQ YD | 1,272 | 1,272 |
| | | | | |
| * X5030290 | STAINING CONCRETE STRUCTURES | SQ FT | 1,104 | 1,104 |
| | | | | |
| * X5610004 | DUCTILE IRON WATER MAIN FITTINGS | POUND | 3,000 | 3,000 |
| | | | | |
| * X5610700 | WATER MAIN REMOVAL | FOOT | 125 | 125 |
| | | | | |
| * X5610778 | PRESSURE CONNECTION 12" X 12" | EACH | 1 | 1 |
| | | | | |
| * X5630012 | CUT AND CAP EXISTING 12" WATER MAIN | EACH | 2 | 2 |
| | | | | |
| * X5630712 | CONNECTION TO EXISTING WATER MAIN 12" | EACH | 1 | 1 |
| | | | | |
| X5810103 | MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES | SQ YD | 223 | 223 |
| | | | | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 1 |
| | | | | |

* INDICATES SPECIALTY ITEM



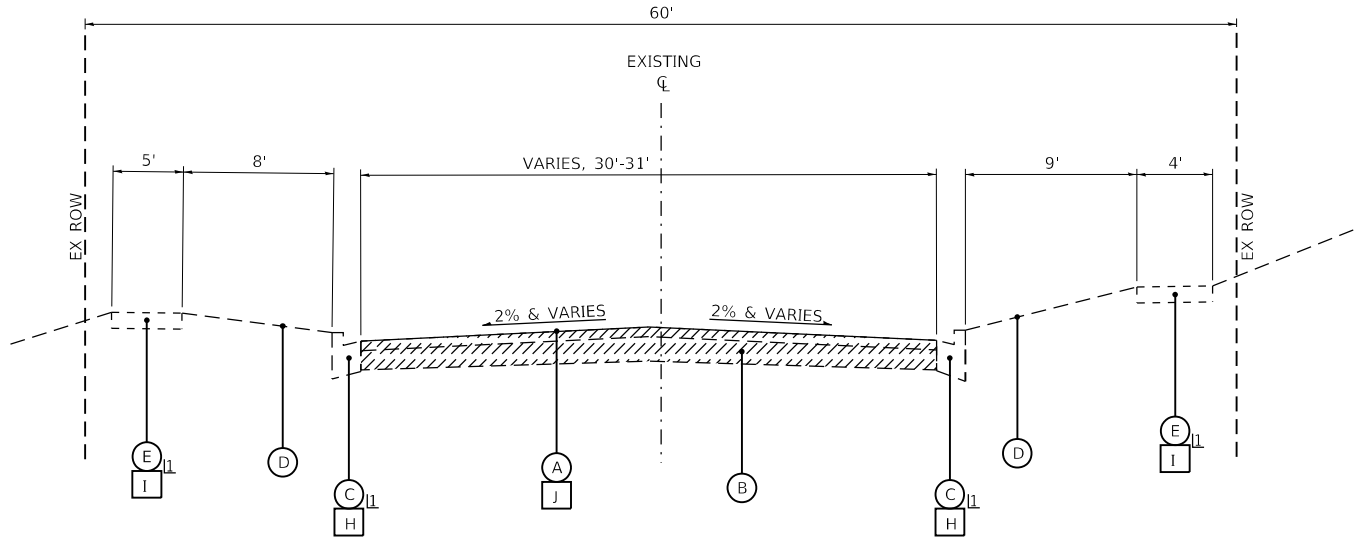
| | | |
|------------------------------|------------------|-----------|
| USER NAME = mvandervelden | DESIGNED ZW | REVISED - |
| | DRAWN KAR | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED JSH | REVISED - |
| PLOT DATE = 4/10/2025 | DATE - 4/10/2025 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

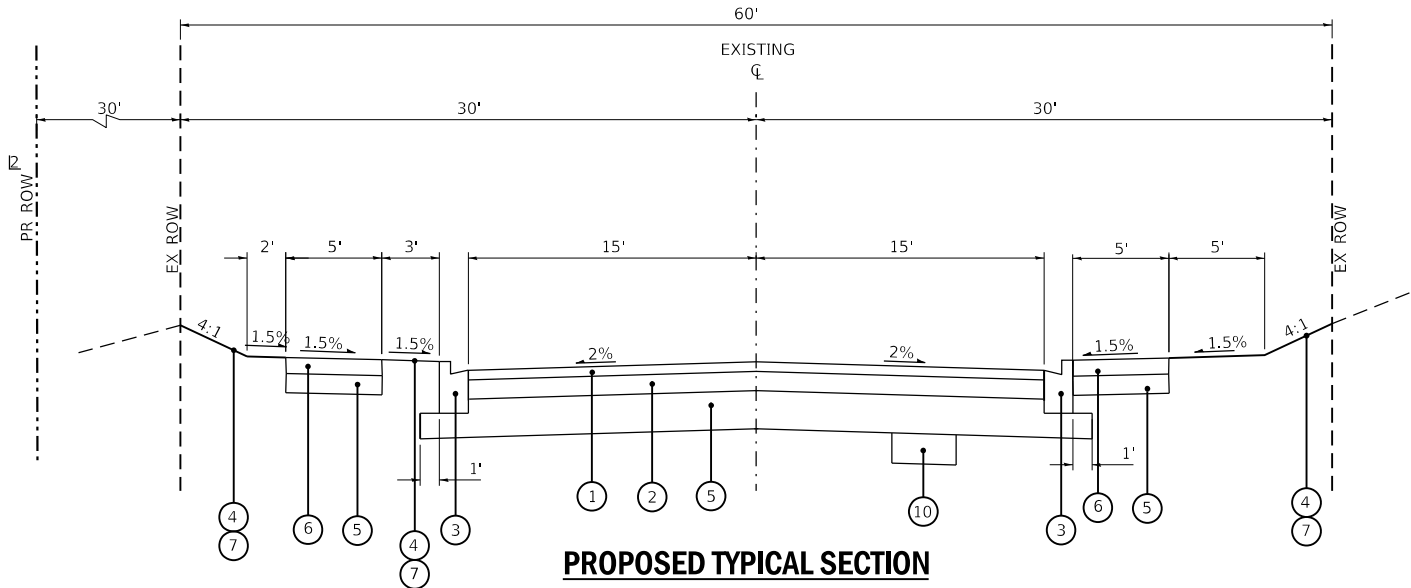
| SUMMARY OF QUANTITIES | | | |
|-----------------------|---------|-------------|--------------|
| SCALE: | SHEET 3 | OF 3 SHEETS | STA. TO STA. |

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|--------------------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 5 |
| | | | | CONTRACT NO. 61L49 |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
mrvandervelden 3/27/2025 3:40:11 PM
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P:\MCHIEF\190202-Oakwood\CAD\Sheets\190202_sht_TypSec.dgn



EXISTING TYPICAL SECTION
OAKWOOD DRIVE
(STA 18+80 TO STA 19+43)



PROPOSED TYPICAL SECTION
OAKWOOD DRIVE
(STA 18+80 TO STA 19+43)

Ⓛ AS DETERMINED BY ENGINEER
Ⓜ TEMPORARY EASEMENT STA. 18+00 TO STA 19+00

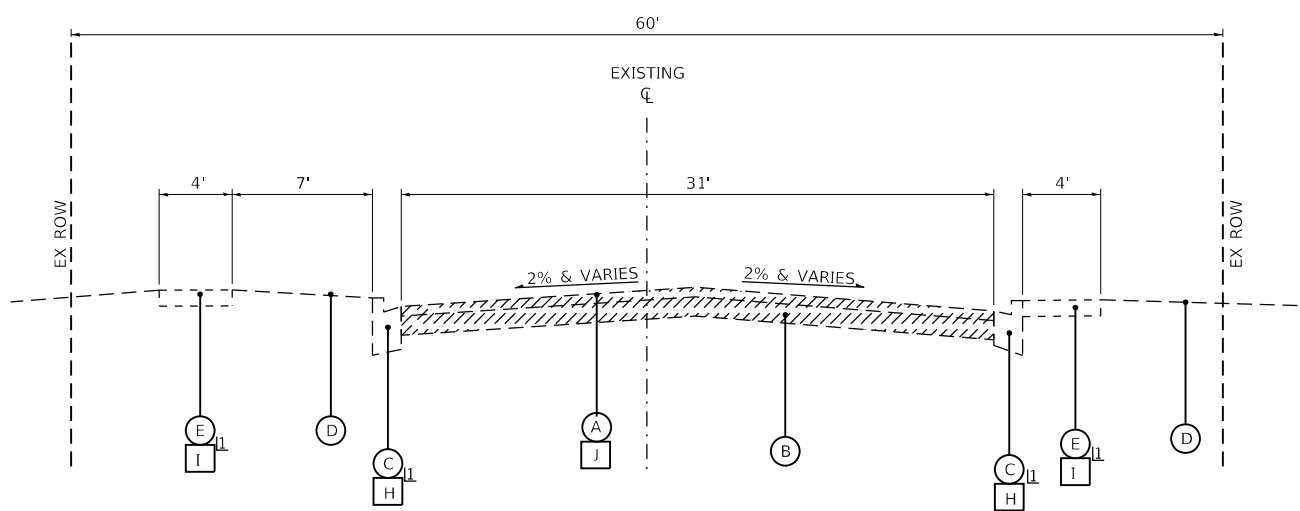
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

| MIXTURE TYPE | AIR VOIDS @ Ndes | QMP |
|--------------------------------------------------------------------------|------------------|-----------|
| PAVEMENT RECONSTRUCTION | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2" | 4% @ 50 GYR | LR1030-02 |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4" | 4% @ 50 GYR | LR1030-02 |
| QMP designation: Quality Control/Quality Assurance (QC/QA); Per LR1030-2 | | |

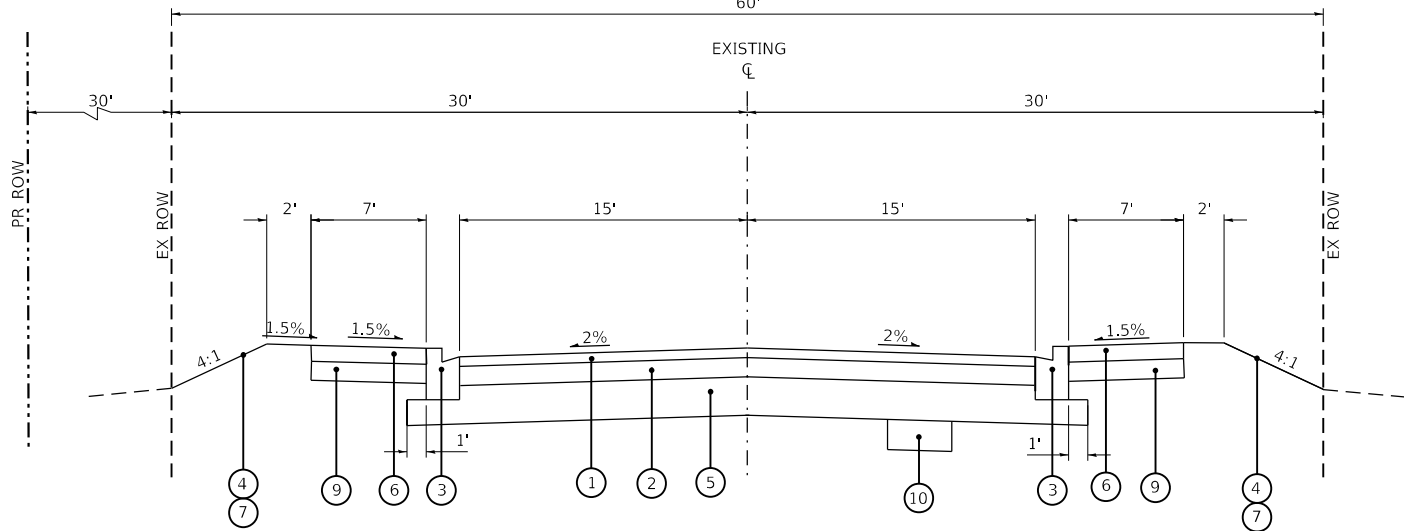
NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR NON-POLYMERIZED HMA SHALL BE "PG 64-28" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

EXISTING PAVEMENT THICKNESS DATA

| LOCATION | HOT-MIX ASPHALT | PCC | AGG BASE |
|------------------|-----------------|-----|----------|
| NORTH OF CULVERT | 4" | -- | 10" |
| SOUTH OF CULVERT | 4.5" | -- | 11.5" |



EXISTING TYPICAL SECTION
OAKWOOD DRIVE
(STA 19+43 TO STA 19+58)
(STA 20+25 TO STA 20+68)



PROPOSED TYPICAL SECTION
OAKWOOD DRIVE
(STA 19+43 TO STA 19+58)
(STA 20+25 TO STA 20+68)

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, SEE EXISTING PAVEMENT THICKNESS TABLE
- (B) EXISTING AGGREGATE BASE COURSE, SEE EXISTING PAVEMENT THICKNESS TABLE
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND SURFACE
- (E) EXISTING SIDEWALK
- (F) EXISTING SHOULDER
- (G) EXISTING GUARDRAIL
- (H) COMBINATION CURB AND GUTTER REMOVAL
- (I) SIDEWALK REMOVAL
- (J) HOT-MIX ASPHALT SURFACE PAVEMENT REMOVAL, 6"
- (K) GUARDRAIL REMOVAL
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM) - 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 4"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (4) RESTORATION, SEEDING
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (7) TOPSOIL FURNISH AND PLACE, 6"
- (8) HEADWALL BARRIER WITH PEDESTRIAN RAILING
- (9) AGGREGATE BASE COURSE TYPE B, 4"
- (10) AGGREGATE SUBGRADE IMPROVEMENT



| | | |
|------------------------------|------------------|-----------|
| USER NAME = mrvandervelden | DESIGNED ZW | REVISED - |
| DRAWN KAR | REVISOR - | |
| PLOT SCALE = 40,0000 ' / in. | CHECKED JSH | REVISED - |
| PLOT DATE = 3/27/2025 | DATE - 3/27/2025 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

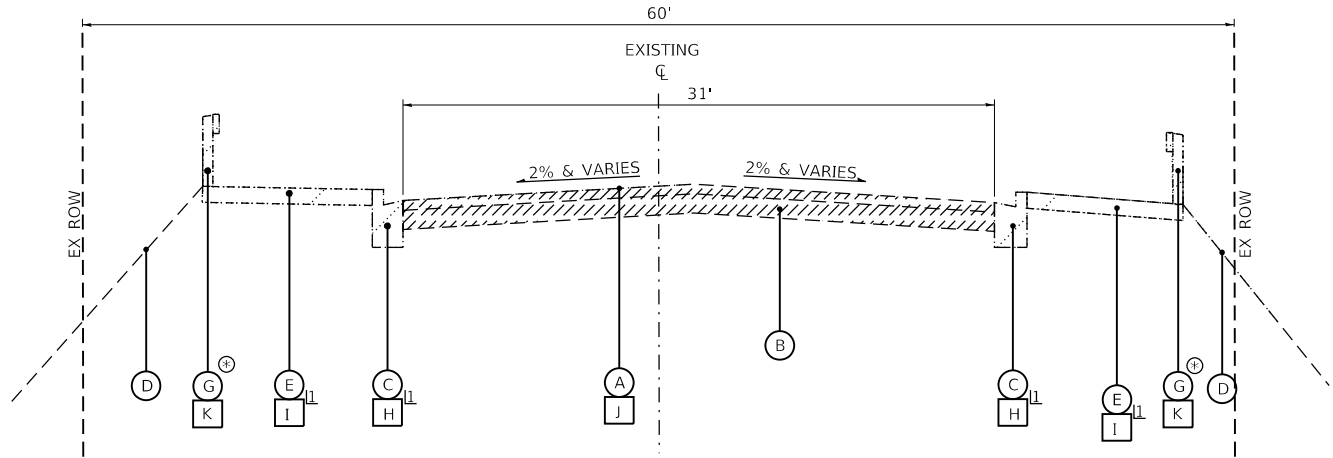
TYPICAL SECTIONS

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. 16+74 TO STA. 19+74

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 6 |
| CONTRACT NO. 61L49 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

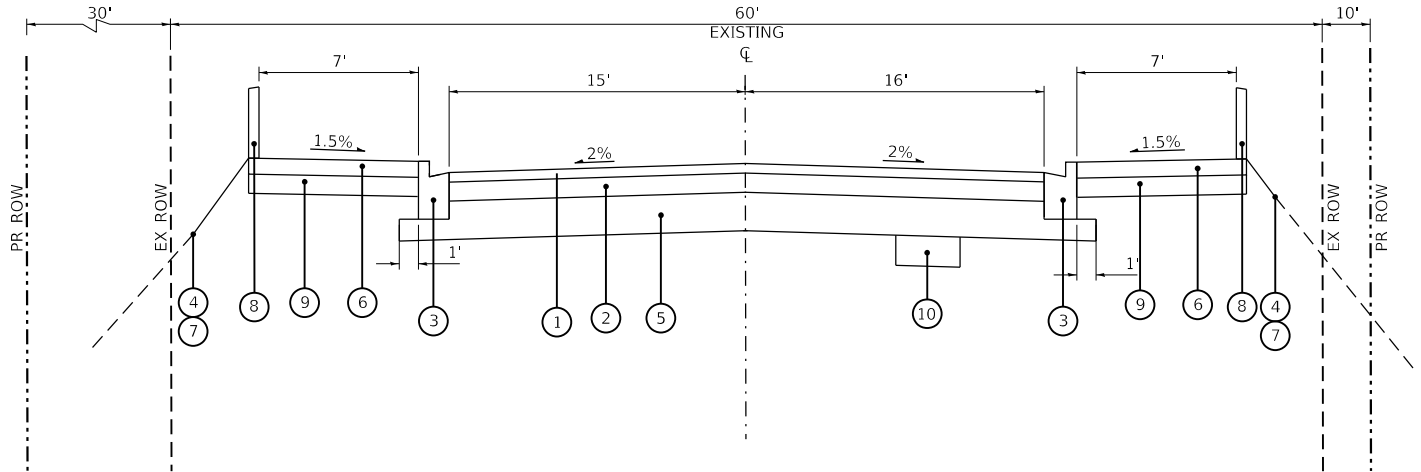
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
mrvandervelden - 3/27/2025 3:40:12 PM
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EXISTING TYPICAL SECTION

OAKWOOD DRIVE (CULVERT SECTION)
(STA 19+58 TO STA 20+25)



PROPOSED TYPICAL SECTION

OAKWOOD DRIVE (CULVERT SECTION)
(STA 19+58 TO STA 20+25)

⊥ AS DETERMINED BY ENGINEER

⊕ GUARDRAIL LOCATIONS
STA 19+52 TO 20+28, RT
STA 19+68 TO 20+44, LT

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, SEE EXISTING PAVEMENT THICKNESS TABLE
- (B) EXISTING AGGREGATE BASE COURSE, SEE EXISTING PAVEMENT THICKNESS TABLE
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND SURFACE
- (E) EXISTING SIDEWALK
- (F) EXISTING SHOULDER
- (G) EXISTING GUARDRAIL
- (H) COMBINATION CURB AND GUTTER REMOVAL
- (I) SIDEWALK REMOVAL
- (J) HOT-MIX ASPHALT SURFACE PAVEMENT REMOVAL, 6"
- (K) GUARDRAIL REMOVAL
- ▨ ITEM TO BE REMOVED

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM) - 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 4"
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ④ RESTORATION, SEEDING
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK 5"
- ⑦ TOPSOIL FURNISH AND PLACE, 6"
- ⑧ HEADWALL BARRIER WITH PEDESTRIAN RAILING
- ⑨ AGGREGATE BASE COURSE TYPE B, 4"
- ⑩ AGGREGATE SUBGRADE IMPROVEMENT



| | | | | | |
|------------|-------------------|----------|-------------|---------|---|
| USER NAME | = mrvandervelden | DESIGNED | ZW | REVISED | - |
| DRAWN | KAR | REVIS | - | REVIS | - |
| PLOT SCALE | = 40,0000 ' / in. | CHECKED | JSH | REVIS | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVIS | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. 19+74 TO STA. 21+95

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 7 |
| CONTRACT NO. 61L49 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | | | |
|------------|-------------------|----------|-------------|---------|---|
| USER NAME | = mvandervelden | DESIGNED | ZW | REVISED | - |
| | | DRAWN | KAR | REVISED | - |
| PLOT SCALE | = 40,0000 ' / in. | CHECKED | JSH | REVISED | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| SCHEDULE OF QUANTITIES | | | | |
|------------------------|---------|------|--------|--------------|
| SCALE: | SHEET 1 | OF 1 | SHEETS | STA. TO STA. |

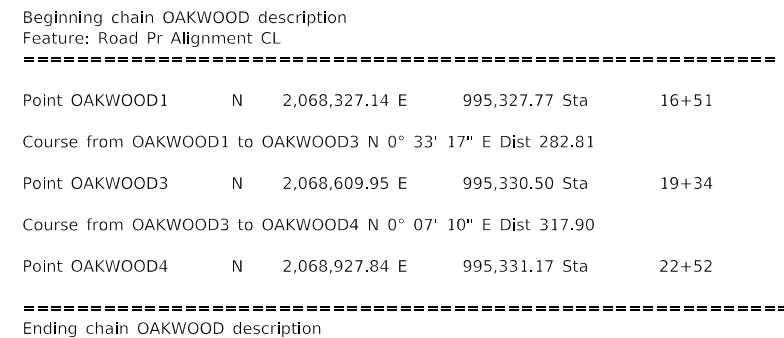
| | | | | |
|-----------|----------------|----------|--------------------|-----------|
| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 8 |
| | | | CONTRACT NO. 61L49 | |
| | | ILLINOIS | FED. AID PROJECT | |

| EARTHWORK | | | | | | | | | | | | | |
|----------------------------|-------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|--------------------------------------|---------------------------------------|----------------------------------------------------|---------------------|-----------------------|---------------------------------|-----------------------------------------------------------------|------------|------------------------------------------------------|
| LOCATION STA TO STA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | TOPSOIL EXCAVATION (DEPTH 6") | TOPSOIL EXCAVATION FOR PLACEMENT (15% SHRINKAGE) | TOPSOIL EXCAVATION AND PLACEMENT (DEPTH 6") | TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) | AGGREGATE SUBGRADE IMPROVEMENT | UNSUITABLE EXCAVATION (TOPSOIL) | REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL | EARTH EXCAVATION | CHANNEL EXCAVATION | TOTAL SUITABLE EXCAVATION | EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
| | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) | (CU YD) |
| Oakwood Drive | +41 | +36 | +45 | (-10) | +184 | +1 | +184 | +1 | +20 | +21 | +18 | +104 | (-87) |
| 18+80.00 19+00.00 | 3.0 | 2.6 | 3.0 | (-0.4) | 25.5 | - | 25.5 | - | - | - | - | 1.2 | (-1) |
| 19+00.00 19+50.00 | 11.9 | 10.2 | 11.4 | (-1.2) | 62.4 | - | 62.4 | - | - | - | - | 12.4 | (-12) |
| 19+50.00 19+60.00 | 4.0 | 3.5 | 3.6 | (-0.1) | 12.5 | - | 12.5 | - | - | - | - | 11.6 | (-12) |
| 19+60.00 19+78.00 | 6.5 | 5.6 | 9.4 | (-3.8) | 21.5 | - | 21.5 | - | - | - | - | 23.6 | (-24) |
| 19+78.00 | 0.0 | - | 0.0 | - | - | - | - | - | - | - | - | - | - |
| | 0.0 | - | 0.0 | - | - | - | - | - | 20.0 | 20.0 | 17.0 | - | +17 |
| 20+18.00 20+35.00 | 7.2 | 6.2 | 8.5 | (-2.3) | 21.0 | - | 21.0 | - | - | - | - | 32.3 | (-32) |
| 20+35.00 20+50.00 | 5.0 | 4.3 | 6.4 | (-2.1) | 18.1 | - | 18.1 | - | - | - | - | 21.5 | (-21) |
| 20+50.00 20+68.00 | 3.3 | 2.9 | 2.0 | +0.9 | 22.1 | 0.9 | 23.0 | 0.1 | - | 0.1 | 0.2 | 1.2 | (-1) |
| 20+68.00 | 0.0 | - | 0.0 | - | - | - | - | - | - | - | - | - | - |
| TOTALS | 41 | 36 | 45 | -10 | 184 | 1 | 184 | 1 | 20 | 21 | 18 | 104 | -87 |

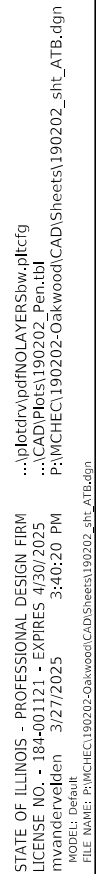
COLUMN 1 = TOPSOIL REMOVAL DEPTH 6"
COLUMN 2 = [COLUMN 1] x 0.85
COLUMN 3 = FROM CROSS SECTION END AREAS, DEPTH 6"
COLUMN 4 = [COLUMN 2] - [COLUMN 3]
COLUMN 5 = ASSUMED TO BE 1' DEPTH
COLUMN 6 = [COLUMN 4] (IF COLUMN 4 > 0)
COLUMN 7 = [COLUMN 5] + [COLUMN 6]
COLUMN 8 = FROM CROSS SECTION END AREAS
COLUMN 9 = EXCAVATION WITHIN CHANNEL OUTSIDE OF STRUCTURE
COLUMN 10 = [COLUMN 8]
COLUMN 11 = [COLUMN 10] x 0.85
COLUMN 12 = FROM CROSS SECTION END AREAS
COLUMN 13 = [COLUMN 11] - [COLUMN 12]

| EARTHWORK PAY ITEM SUMMARY | | |
|---------------------------------------------|-------|-------|
| | TOTAL | |
| EARTH EXCAVATION | 1 | CU YD |
| REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | 184 | CU YD |
| CHANNEL EXCAVATION | 20 | CU YD |
| FURNISHED EXCAVATION | 87 | CU YD |
| TOPSOIL FURNISH AND PLACE, 6" | 45 | CU YD |
| AGGREGATE SUBGRADE IMPROVEMENT | 184 | CU YD |

| LANDSCAPING AND EROSION CONTROL SCHEDULE | | | | | | | | | | | |
|------------------------------------------|---------|--------|---------------------|----------------------|------------------------------------|-------------------------------------|--------------------------------------------|---------------------------------|---------------|--------------------------------------------|----------------------------------------------------------------|
| | | | 25000200 | 25000314 | 25000400 | 25000600 | X2511630 | 28000400 | 28000510 | 28001100 | Z0013796 |
| | | | SEEDING, CLASS 2 | SEEDING, CLASS 4B | NITROGEN FERTILIZER NUTRIENT | POTASSIUM FERTILIZER NUTRIENT | EROSION CONTROL BLANKET (SPECIAL) | PERIMETER EROSION BARRIER | INLET FILTERS | TEMPORARY EROSION CONTROL BLANKET | SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE |
| STA. | TO STA. | OFFSET | ACRE | ACRE | POUND | POUND | SQ YD | FOOT | EACH | SQ YD | SQ YD |
| 17+95 | 19+68 | LT | 0.15 | | 14 | 14 | 727 | | | 727 | |
| 19+68 | 19+90 | LT | | 0.01 | 1 | 1 | 43 | | | 43 | |
| 20+25 | 20+53 | LT | | 0.01 | 1 | 1 | 50 | | | 50 | |
| 20+53 | 20+76 | LT | 0.03 | | 3 | 3 | 135 | | | 135 | |
| 18+49 | 19+40 | RT | 0.02 | | 2 | 2 | 102 | | | 102 | |
| 19+40 | 19+59 | RT | | 0.02 | 2 | 2 | 87 | | | 87 | |
| 20+15 | 20+34 | RT | | 0.02 | 2 | 2 | 75 | | | 75 | |
| 20+34 | 20+79 | RT | 0.01 | | 1 | 1 | 53 | | | 53 | |
| 18+01 | 19+80 | LT | | | | | | 250 | | | |
| 20+35 | 20+74 | LT | | | | | | 90 | | | |
| 18+54 | 19+58 | RT | | | | | | 150 | | | |
| 20+20 | 19+58 | RT | | | | | | 100 | | | |
| | 19+65 | LT | | | | | | | 1 | | |
| | 19+65 | RT | | | | | | | 1 | | |
| 18+83 | 19+17 | LT | | | | | | | | | 77 |
| TOTAL | | | 0.25 | 0.25 | 26 | 26 | 1,272 | 590 | 2 | 1,272 | 77 |

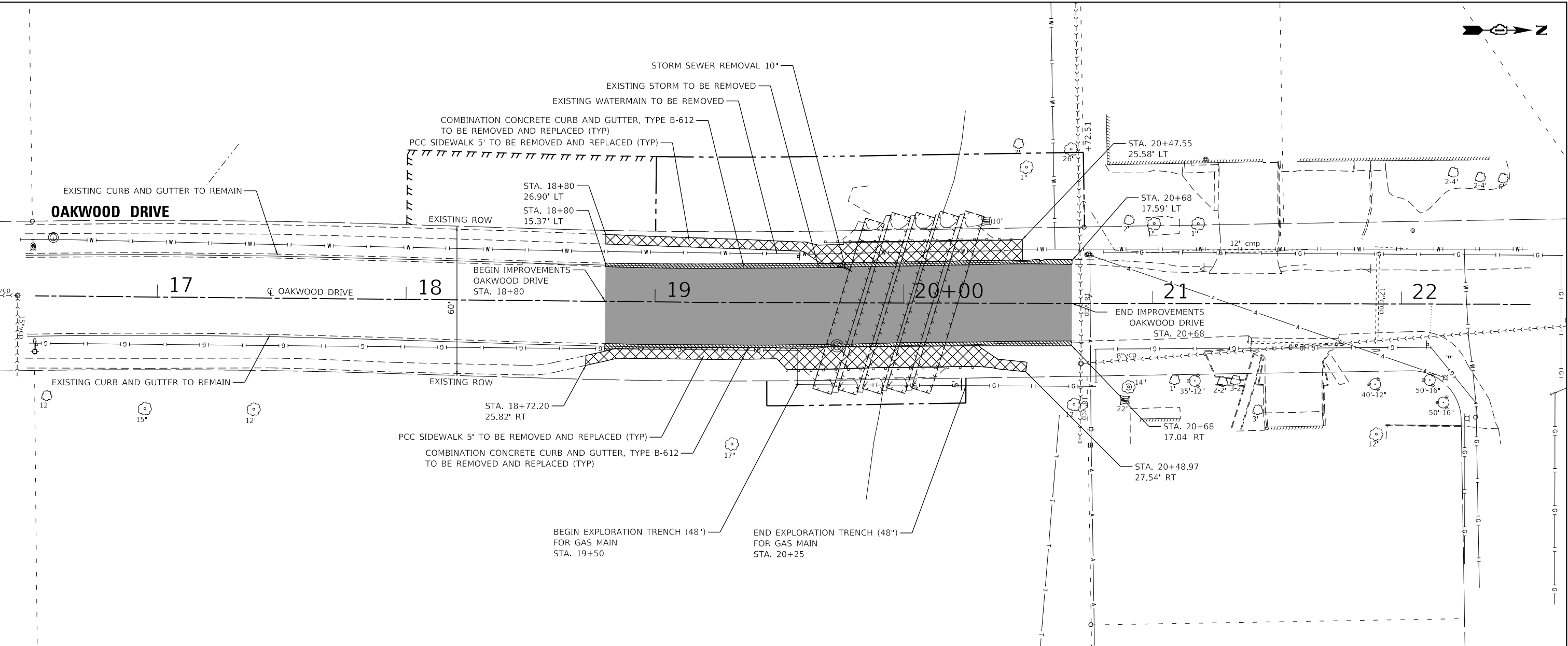


| | |
|---------|---------------------------------------------------------------------------------------------------------------------------------|
| BM 10 | RAILROAD SPIKE SET IN EAST FACE OF POWER POLE AT 1315 OAKWOOD DRIVE ELEV = 762.403 (NAVD88) |
| BM 1307 | NORTHWEST BOLT ON FIRE HYDRANT ON WEST SIDE OF OAKWOOD DRIVE AT ADDRESS 1207 - SOUTH OF BRIDGE ELEV = 767.395 (NAVD88) |



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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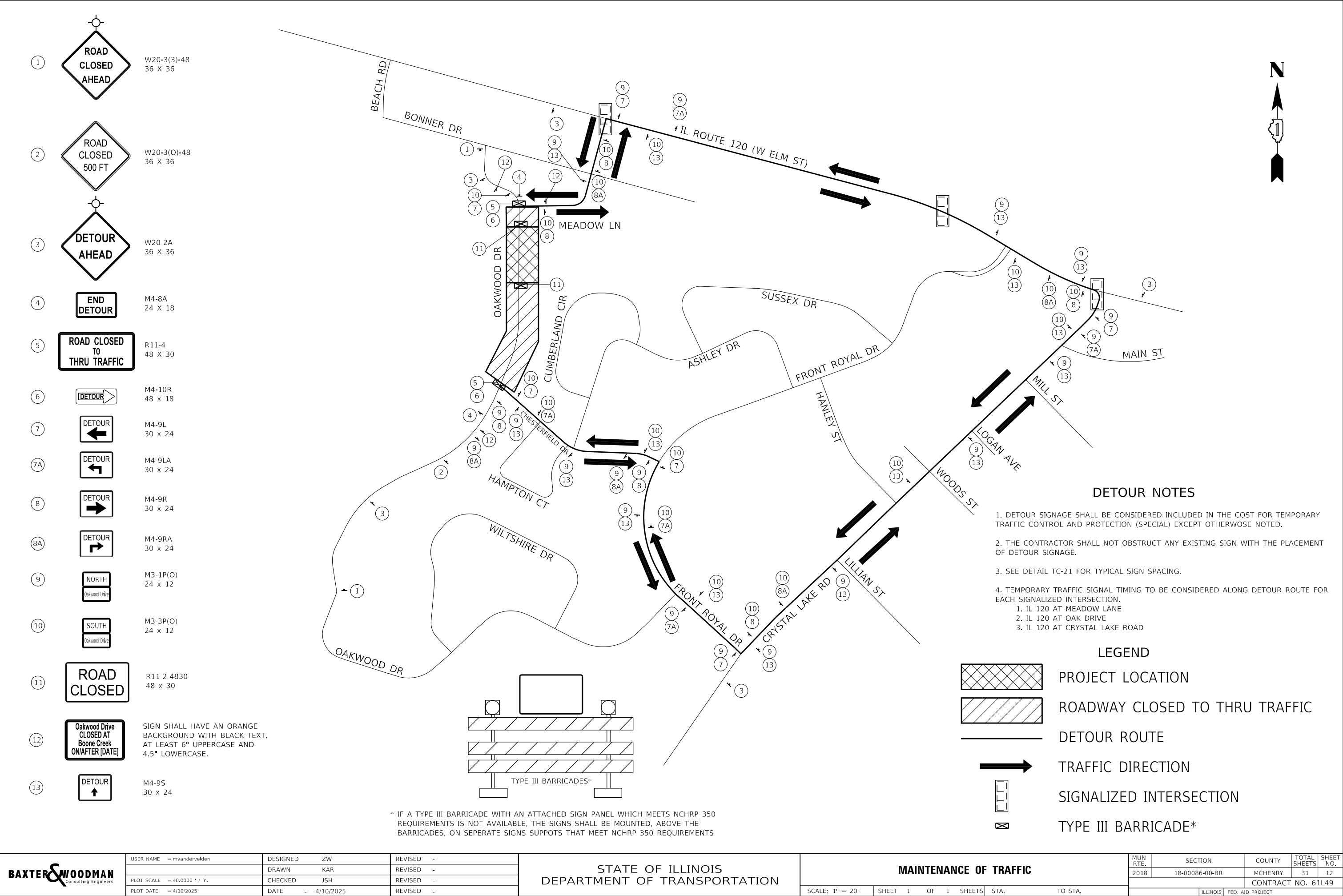


LEGEND

- SIDEWALK REMOVAL AND REPLACEMENT
- SIDEWALK REMOVAL - NO REPLACEMENT
- CURB AND GUTTER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 6"
- CULVERT REMOVAL
- STORM SEWER REMOVAL

| | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------|------------------------------|--|------------------|-----------|---------------------------------------------------|---------------------------|---------|------|--------|--------------------|----------------|---------|--------------|-----------|
| <div><div>BAXTER & WOODMAN</div><div>Consulting Engineers</div></div> | USER NAME = mvandervelden | | DESIGNED ZW | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REMOVAL PLAN | | | | MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN KAR | | CHECKED JSH | REVISED - | | | | | | 2018 | 18-00086-00-BR | MCHENRY | 31 | 10 |
| | PLOT SCALE = 40,0000 ' / in. | | DATE - 3/27/2025 | REVISED - | | | | | | CONTRACT NO. 61L49 | | | | |
| | PLOT DATE = 3/27/2025 | | | | | ILLINOIS FED. AID PROJECT | | | | | | | | |
| | | | | | | SCALE: 1" = 20' | SHEET 1 | OF 1 | SHEETS | STA. | TO STA. | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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| | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------|------------------------------|------------------|-----------|---------------------------------------------------|-----------------------|--|--|--------------------|---------------------|--------------|--------------|------------------|
|  | USER NAME = mvandervelden | DESIGNED ZW | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EROSION CONTROL NOTES | | | MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN KAR | REVIS | - | | | | | 2018 | 18-00086-00-BR | MCHENRY | 31 | 13 |
| | PLOT SCALE = 40,0000 ' / in. | CHECKED JSH | REVISED - | | | | | CONTRACT NO. 61L49 | | | | |
| | PLOT DATE = 3/27/2025 | DATE - 3/27/2025 | REVISED - | | | | | SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. TO STA. | ILLINOIS | FED. AID PROJECT |

EROSION AND SEDIMENT CONTROL GENERAL NOTES

- THE RESIDENT ENGINEER MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION. DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON SITE.
- IT IS THE RESPONSIBILITY OF THE ENGINEERING AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF TH REQUIREMENTS TO IMPLEMENT AND MAINTAIN THE SWPPP AND ALL PERMIT CONDITIONS REQUIRED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) IRL10 PERMIT SET FORTH BY THE ILLINOIS EPA, THE U.S. ARMY CORPS OF ENGINEERS JOINT 404 PERMIT, THE MCHENRY COUNTY STORMWATER MANAGEMENT PERMIT AND ALL REQUIREMENTS SET FORTH BY THE MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT AND THE STATE OF ILLINOIS.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER OR THE COUNTY.
- THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH ALL SUBCONTRACTORS, THE COUNTY, THE MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES.
- THE MCLSWCD IS RESPONSIBLE FOR CONDUCTING SITE VISITS, VERIFYING THE PRACTICES ARE WORKING PROPERLY AND DETERMINING IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENT CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY, THE CONTRACTOR WILL IMPLEMENT THE PRACTICE IN A TIMELY MANNER.
- ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED WITH BLANKET FOLLOWING COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED AT THE END OF EACH DAY’S OPERATION OF MORE FREQUENTLY AS REQUIRED BY THE ENGINEER.
- CONCRETE WASHOUT(S) ARE ANTICIPATED FOR THIS PROJECT AND SHALL BE DRAWN ONTO THE PLANS AT THE TIME OF INSTALLATION. WASHOUTS ARE TO BE MAINTAINED IN AMANNER CONSISTENT WITH THE DETAILS ON THE PLANS AND THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL. CONCRETE WASHOUT SHALL BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHALL NOT BE ALLOWED TO ENTER WATER BODIES, STORM SEWERS OR LEACH INTO THE SOIL UNDER THE CIRCUMSTANCES. ANY WASTE SHALL BE DISPOSED OF PROPERPLY AND THE LOCATION OF THE WASHOUT SHALL BE DESIGNATED WITH PROPOER SIGNAGE. FAILURE TO COMPLY COULD RESULT IN A VIOLATION.
- A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT, HOWEVER, IF THE ENGINEER OR MCLSWCD DETERMINES IT IS REQUIRED, A QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO COMPLETE THIS WORK. THERE WILL BE NOW ADJUSTMENTS TO THE CONTACT IS THE ENTRANCE IS NOT REQUIRED. IF REQUIRED, THE CONTRACTOR SHALL SUBMIT THE LOCATION AND DETAILS THROUGH THE ENGINEER FOR MCLSWCD APPROVAL.

DIVERSION AND DEWATERING NOTES

- WHEN DIVERSION AND DEWATERING OF THE CONSTRUCTION AREA IS NECESSARY, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL WATERS SHALL BE FILTERED USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE MCLSWCD. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES AND SHOULD BE PLACED ON LEVEL GROUND. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL ELEVATION.
- WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF NON-ERODIBLE MATERIALS NECESSARY FOR THE CONSTRUCTION OF COFFERDAMS (STEEL SHEETS, AQUA BARRIERS, RIP RAP, GEOTEXTILE LINER, ETC.) EARTHEN COFFERDAMS ARE NOT PERMISSIBLE. LUMBER TO BE USED MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. ONCE THE COFFERDAMS ARE IN PLACE AND ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK. LOW GROUND-PRESSURE EQUIPMENT IS REQUIRED FOR WORK IN WETLANDS.
- IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED WITHIN A SUMP PIT TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE (ROCK CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS.
- DEWATERING SHALL INCLUDE MEANS, METHOD AND MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE WATERWAY AND SHALL BE COORDINATED WITH THE MCLSWCD AT THE PRE-CONSTRUCTION MEETING.
- COFFERDAM OR ADDITIONAL SUPPORT MATERIAL SHALL NOT BE EARTHEN.
- ELEVATION OF THE TOP OF THE COFFERDAM AND THE QUALITY OF PUMPS/DIMENSIONS OF BYPASS METHOD ARE TO ACCOMMODATE THE FLOWS OF THE 2-YEAR PEAK STORM EVENT.
- CREEK BANKS MUST BE STABILIZED BEFORE REMOVAL OF COFFERDAMS AND RETURNING FLOW TO WORK AREA.
- CONTRACTOR TO IDENTIFY ANY UPSTREAM MUNICIPALITIES OR UTILITIES THAT CAN ALTER THE VOLUME OF WATER THE WORK AREA RECEIVES. IF ANY SOURCE IS IDENTIFIED, CONTRACTOR IS TO COORDINATE THE TIMING OF BYPASS ACTIVITY WITH THE MUNICIPALITY OR AGENCY.

MCHENRY-LAKE SOIL & WATER CONSERVATION DISTRICT NOTES

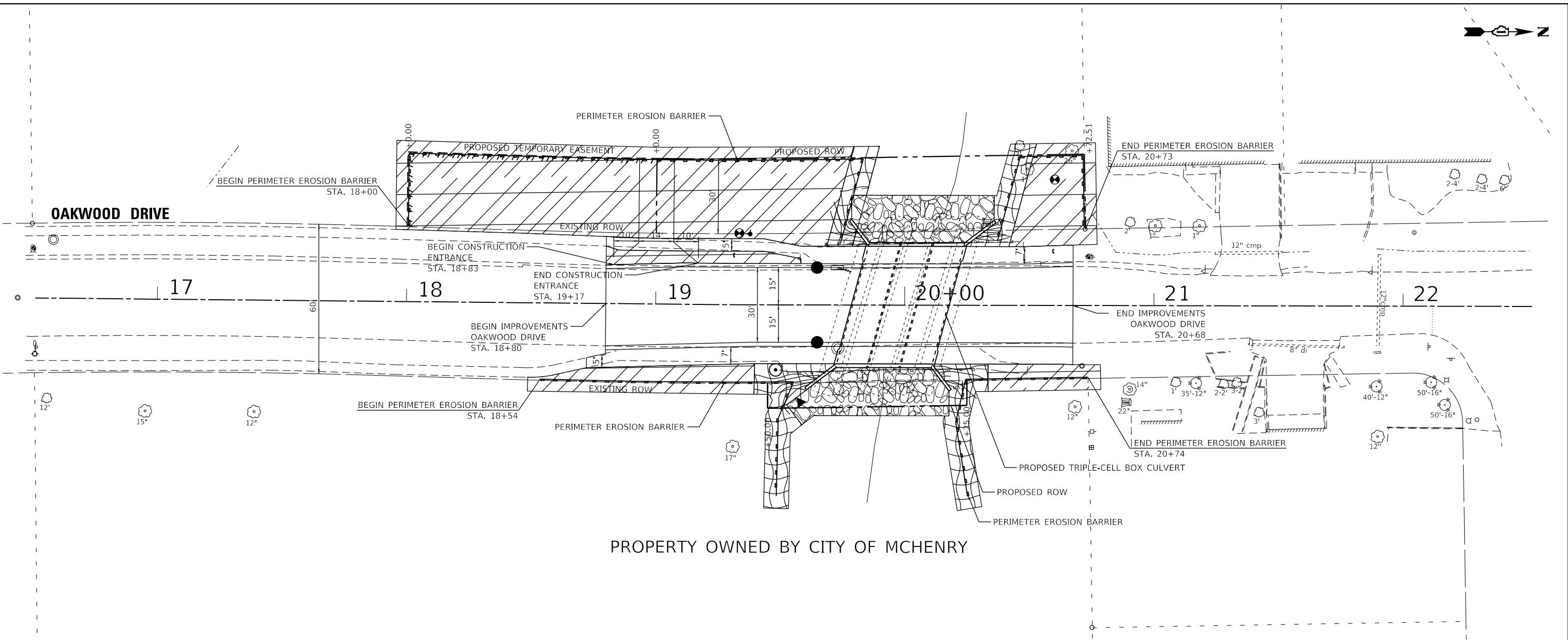
- THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE MCHENRY-LAKE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.
- THE CONTRACTOR’S IN-STREAM WORK PLAN SHALL BE SUBMITTTED TO THE SOIL & WATER CONSERVATION DISTRICT AND MCHENRY COUNTY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK. THERE WILL BE NO ADDITIONAL COMPENSATION FOR PROVIDING THE COORDINATION AND WORK PLAN.
- SEE EROSION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDTIONS AND NOTES.
- ALL WORK WITHIN BOONE CREEK MUST BE DONE IN DRY CONDITIONS.

MCHENRY COUNTY STANDARD SOIL EROSION AND SEDIMENT CONTROL NOTES

- CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE *ILLINOIS URBAN MANUAL* (WWW.AISWCD.ORG/IUM) UNLESS STATED OTHERWISE.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE CONSTRUCTION SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL STABILIZATION IS ACHIEVED.
- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, CONSTRUCTION SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.
- NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.
- OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.
- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE CONSTRUCTION SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE CONSTRUCTION SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW:
 - WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND
 - IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
- DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKED IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR AN EQUIVALENT CONTROL MEASURE.
- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.
- THE STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.
- IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP OR AN EQUIVALENT EROSION CONTROL MEASURE). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE CONSTRUCTION SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.
- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORKDAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.
- EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER; AND
 - MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE CONSTRUCTION SITE TO PRECIPITATION AND TO STORMWATER.
- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE CONSTRUCTION PROCESS. THE APPLICANT SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY CONSTRUCTION SITE, CHANNEL, OR IWMC. THE CONSTRUCTION SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
- THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL OR ALTERNATE SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON CONSTRUCTION SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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PROPERTY OWNED BY CITY OF MCHENRY

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY: TEMPORARY EROSION CONTROL SEEDING
PERMANENT: SEEDING CLASS 4B AND EROSION CONRTROL BLANKET (SPECIAL)
- TEMPORARY: TEMPORARY EROSION CONTROL SEEDING
PERMANENT: SEEDING CLASS 2 AND EROSION CONRTROL BLANKET (SPECIAL)
- RIPRAP CLASS A4

NOTE:
1. CONTRACTOR TO SUPPLY A DEWATERING PLAN AND STREAM BYPASSING METHOD TO THE ENGINEER FOR APPROVAL.



| | | | | | |
|------------|-------------------|----------|-------------|---------|---|
| USER NAME | = mrvandervelden | DESIGNED | ZW | REVISED | - |
| | | DRAWN | KAR | REVISED | - |
| PLOT SCALE | = 40,0000 ' / in. | CHECKED | JSH | REVISED | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVISED | - |

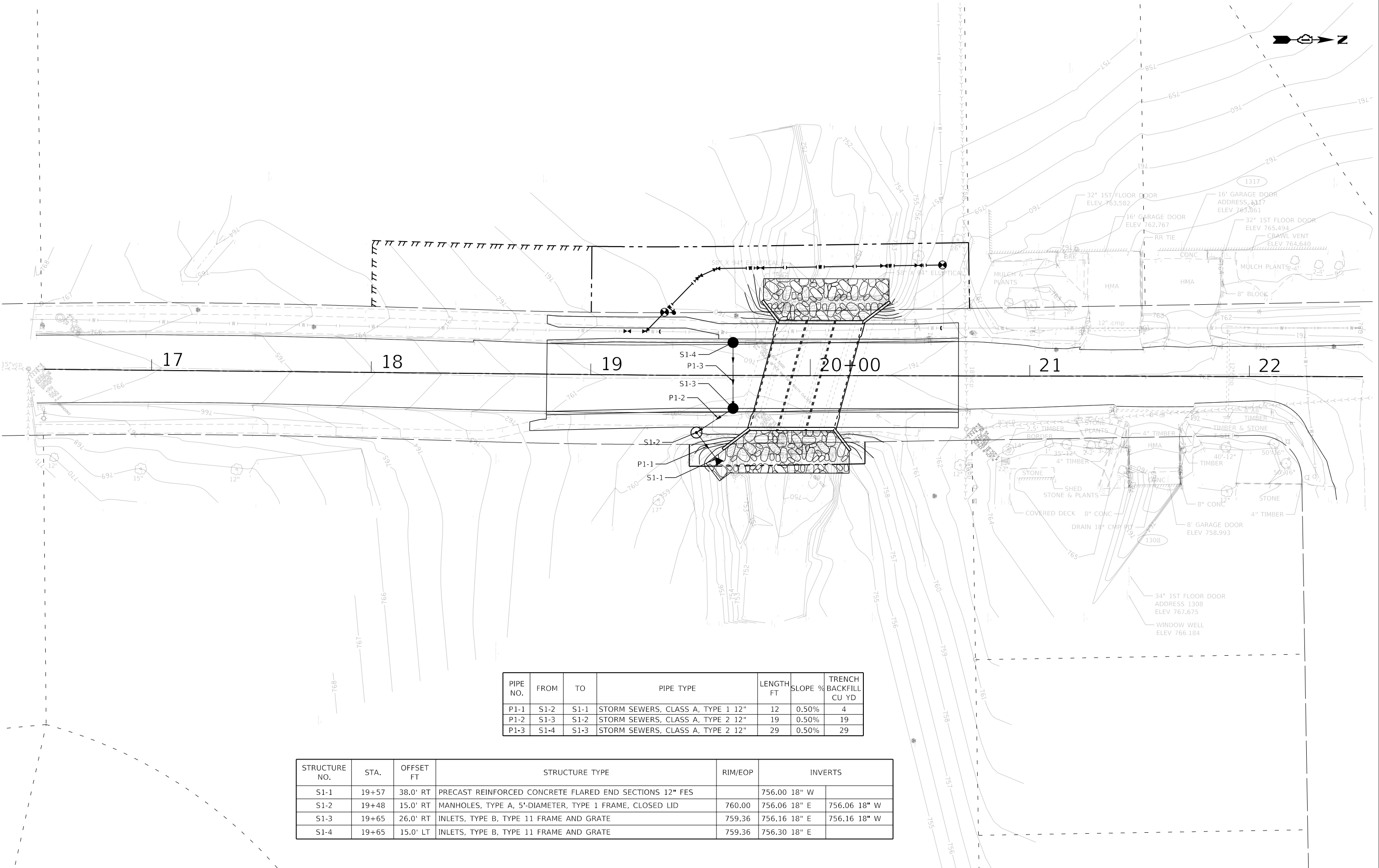
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPE PLAN

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 14 |
| CONTRACT NO. 61149 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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P:\MCHEN\190202-Oakwood\CAD\Sheets\190202_sht_drain.dgn



| PIPE NO. | FROM | TO | PIPE TYPE | LENGTH FT | SLOPE % | TRENCH BACKFILL CU YD |
|----------|------|------|-----------------------------------|-----------|---------|-----------------------|
| P1-1 | S1-2 | S1-1 | STORM SEWERS, CLASS A, TYPE 1 12" | 12 | 0.50% | 4 |
| P1-2 | S1-3 | S1-2 | STORM SEWERS, CLASS A, TYPE 2 12" | 19 | 0.50% | 19 |
| P1-3 | S1-4 | S1-3 | STORM SEWERS, CLASS A, TYPE 2 12" | 29 | 0.50% | 29 |

| STRUCTURE NO. | STA. | OFFSET FT | STRUCTURE TYPE | RIM/EOP | INVERTS | |
|---------------|-------|-----------|---------------------------------------------------------|---------|--------------|--------------|
| S1-1 | 19+57 | 38.0' RT | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" FES | | 756.00 18" W | |
| S1-2 | 19+48 | 15.0' RT | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 760.00 | 756.06 18" E | 756.06 18" W |
| S1-3 | 19+65 | 26.0' RT | INLETS, TYPE B, TYPE 11 FRAME AND GRATE | 759.36 | 756.16 18" E | 756.16 18" W |
| S1-4 | 19+65 | 15.0' LT | INLETS, TYPE B, TYPE 11 FRAME AND GRATE | 759.36 | 756.30 18" E | |



| | | |
|------------------------------|------------------|-----------|
| USER NAME = mvandervelden | DESIGNED ZW | REVISED - |
| | DRAWN KAR | REVISED - |
| PLOT SCALE = 40,0000 ' / in. | CHECKED JSH | REVISED - |
| PLOT DATE = 3/27/2025 | DATE - 3/27/2025 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

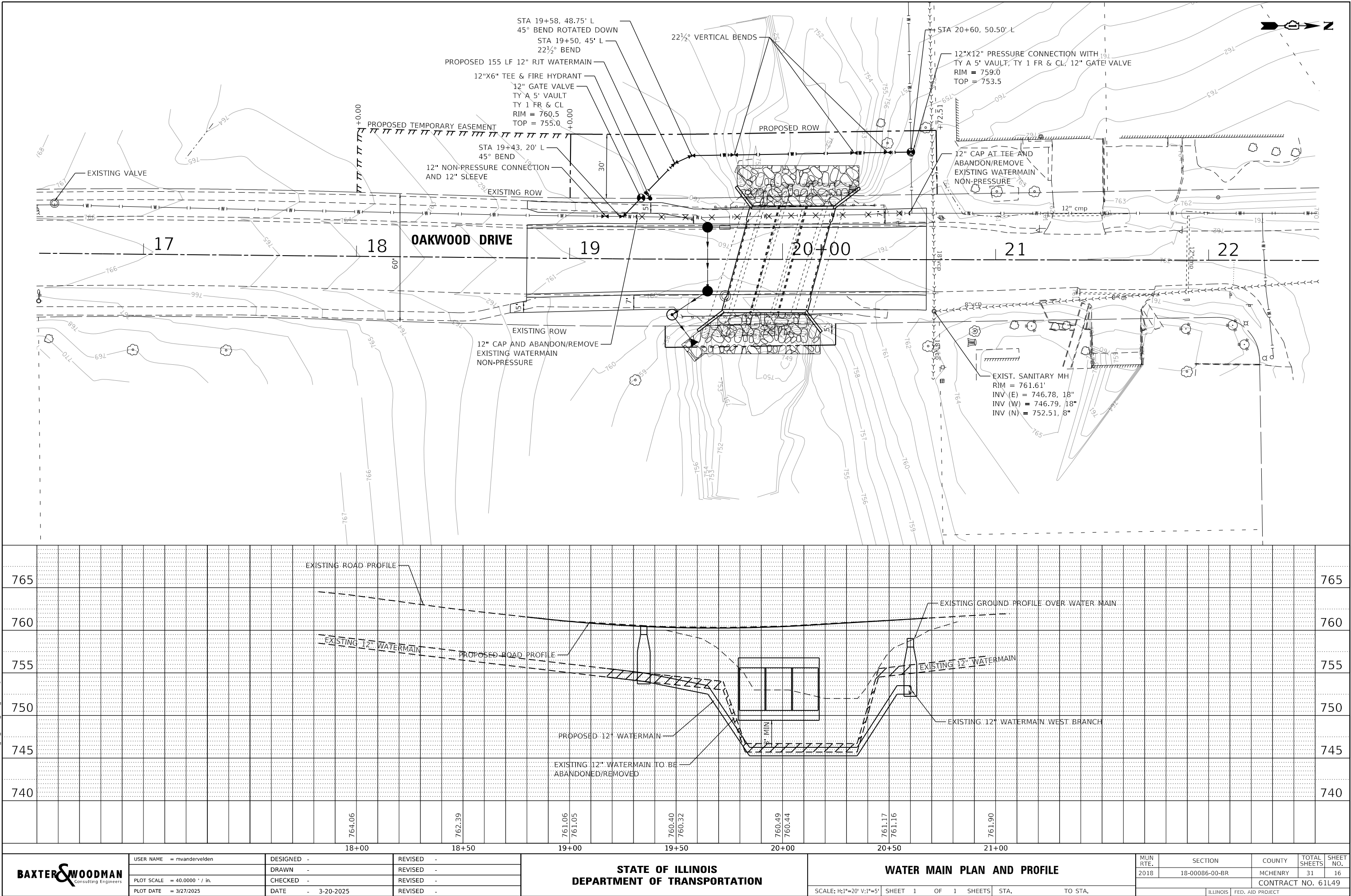
| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 15 |
| CONTRACT NO. 61L49 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
Consulting Engineers

USER NAME = mvandervelden
PLOT SCALE = 40,0000' / in.
PLOT DATE = 3/27/2025

DESIGNED -
DRAWN -
CHECKED -
DATE - 3-20-2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE

SCALE: H:1"=20' V:1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

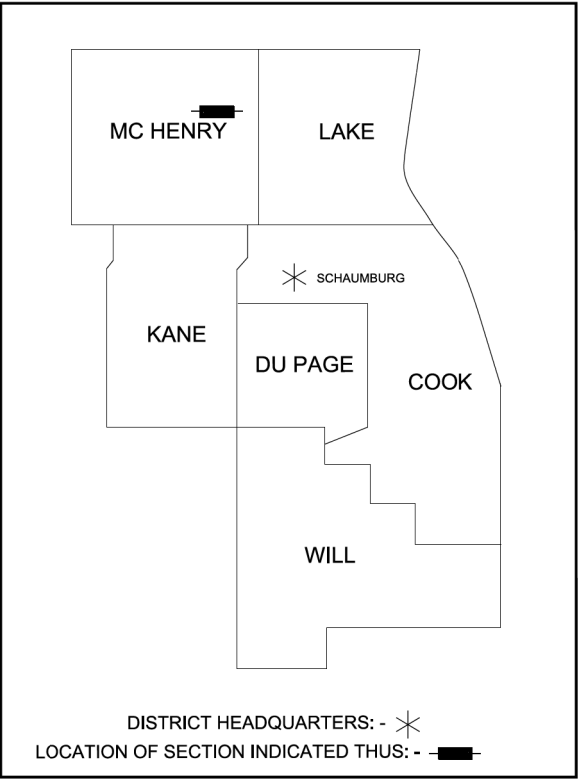
| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|------------------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 16 |
| CONTRACT NO. 61149 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

| PARCEL NUMBER | OWNER | SHEET NUMBER | PROPERTY ACQUIRED BY |
|---------------|------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|
| 0001 | Mount Prospect State Bank as Trustee under the provisions of a trust agreement dated August 27, 1984 as Trust No. 1449 | 2 | |
| 0002 | City of McHenry | 2 | |

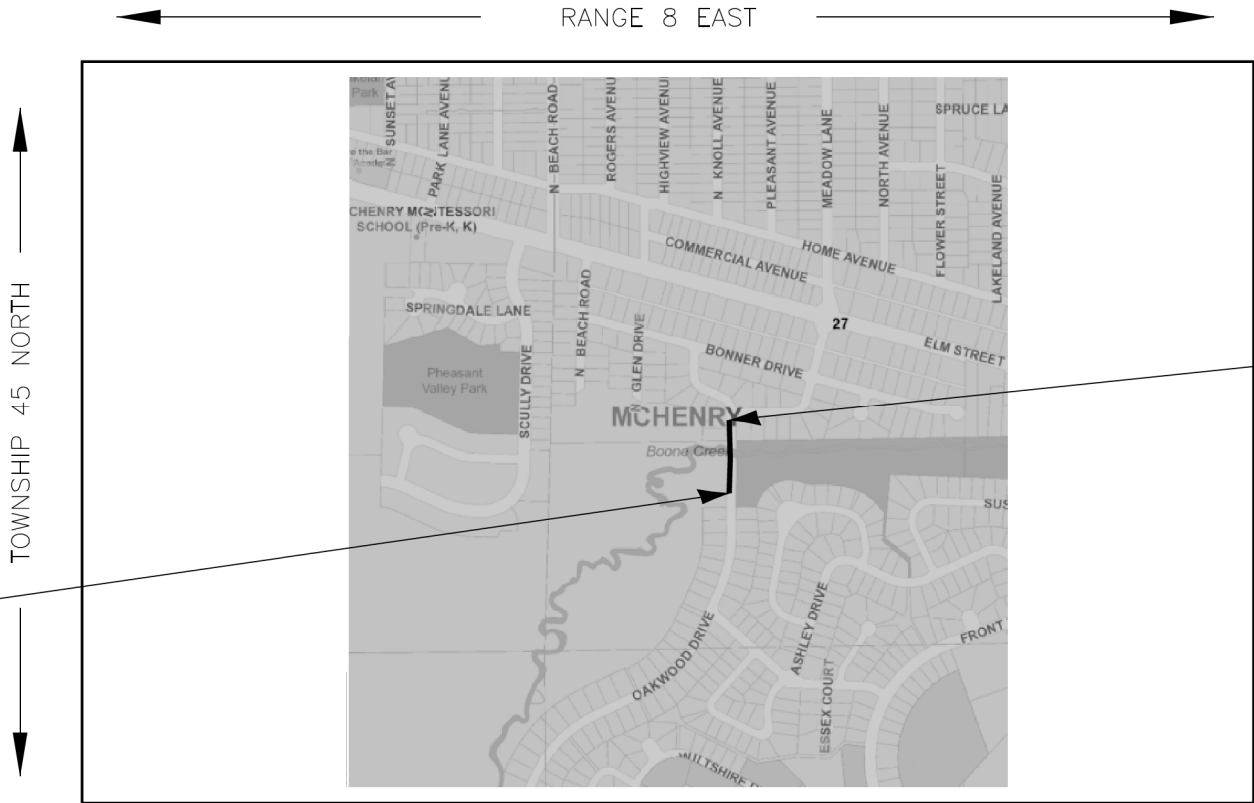
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

ROUTE: Oakwood Drive
SECTION: 18-00086-00-BR
COUNTY: McHenry
LIMITS: over Boone Creek

JOB NO.: R-55-001-97



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



Oakwood Drive
End Improvements
Sta. 22+00

Oakwood Drive
Begin Improvements
Sta. 16+51

LOCATION MAP

Gross & Net Length = 549 Lin. Ft. = 0.10 Miles (Oakwood Drive)

IDOT USE ONLY

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
Consulting Engineers

| | | | | | |
|------------|-------------------|----------|-------------|---------|---|
| USER NAME | = mrvandervelden | DESIGNED | ZW | REVISED | - |
| DRAWN | KAR | REVIS | - | REVIS | - |
| PLOT SCALE | = 40,0000 ' / in. | CHECKED | JSH | REVIS | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVIS | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| PLAT OF HIGHWAYS | | | |
|------------------|---------------------|------|---------|
| SCALE: N.T.S. | SHEET 1 OF 3 SHEETS | STA. | TO STA. |


| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 17 |
| CONTRACT NO. 61L49 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

Lakeland Shores Unit 3

(Recorded April 25, 1958 as Document 337444)

SECTION
CORNER

QUARTER
SECTION
CORNER

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

- | | | | |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|
| <input type="checkbox"/> | IRON PIPE OR ROD FOUND | <input checked="" type="radio"/> | "MAG" NAIL SET |
| <input checked="" type="checkbox"/> | CUT CROSS FOUND OR SET | <input checked="" type="radio"/> | 5/8" REBAR SET |
| <input checked="" type="checkbox"/> | STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER. | | |
| <input checked="" type="checkbox"/> | STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER. | | |
| <input checked="" type="checkbox"/> | PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS) | | |
| <input type="checkbox"/> | RIGHT OF WAY STAKING PROPOSED TO BE SET | | |

Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

| Point # | Station Offset | Northing | Easting |
|---------|------------------------|--------------|------------|
| Pt. #1 | 19+00.00 28.39' Lt. | 2,068,576.38 | 995,301.79 |
| Pt. #2 | 19+00.00 58.39' Lt. | 2,068,576.67 | 995,271.79 |
| Pt. #3 | 19+72.59 28.91' Lt. | 2,068,648.75 | 995,301.67 |
| Pt. #4 | 19+72.05 58.91' Lt. | 2,068,648.28 | 995,271.68 |
| Pt. #5 | 20+72.51 30.72' Lt. | 2,068,748.69 | 995,300.08 |
| Pt. #6 | 20+71.95 60.71' Lt. | 2,068,748.18 | 995,270.08 |
| Pt. #7 | 19+55.00 31.35' Rt. | 2,068,631.04 | 995,361.89 |
| Pt. #8 | 19+55.00 36.35' Rt. | 2,068,631.03 | 995,366.90 |
| Pt. #9 | 19+73.67 31.08' Rt. | 2,068,649.71 | 995,361.66 |
| Pt. #10 | 19+73.76 36.08' Rt. | 2,068,649.79 | 995,366.66 |
| Pt. #11 | 20+25.00 30.15' Rt. | 2,068,731.05 | 995,360.85 |
| Pt. #12 | 20+25.00 35.15' Rt. | 2,068,731.03 | 995,365.85 |
| Pt. #13 | 20+73.65 29.27' Rt. | 2,068,749.70 | 995,360.07 |
| Pt. #14 | 18+00.00 30.06' Lt. | 2,068,476.41 | 995,299.15 |
| Pt. #15 | 18+00.00 60.07' Lt. | 2,068,476.70 | 995,269.14 |
| Pt. #16 | 18+55.18 28.92' Lt. | 2,068,531.57 | 995,300.82 |
| Pt. #17 | 18+55.80 58.91' Lt. | 2,068,532.48 | 995,270.84 |

As Described in Deed in
August 28, 1984 as Doc.

{ No Buildings }

STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 45 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHEERY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 1st DAY OF MARCH, 2024 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



"LICENSE EXPIRES 11-30-2024"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

| | | |
|---------------|---------------------|--------------|
| SCALE: N.T.S. | SHEET 2 OF 3 SHEETS | STA. TO STA. |
|---------------|---------------------|--------------|

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|----------------|--------------------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 18 |
| | | CONTRACT NO. 61L49 | | |
| ILLINOIS | | FED. AID PROJECT | | |

BAXTER & WOODMAN
Consulting Engineers

8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 6001
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OAKWOOD DRIVE

LIMITS : over Boone Creek **COUNTY :** McHenry
SECTION : 18-00086-00-BR **JOB NO. :** R-55-001-97
STA. 16+51 **TO STA.** 22+00
SCALE : 1" = 30' **SHEET** 2 **OF** 3 **SHEETS**

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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
mywanderingvelo - 3/27/2025
MODEL: Default
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P:\MICHEC\190202-Oakwood\CAD\

BAXTER & WOODMAN
Consulting Engineers

PART OF SECTION 27, TOWNSHIP 45 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN MCHENRY COUNTY, ILLINOIS



GRAPHIC SCALE
FEET
0 100
SCALE: 1" = 100'



SECTION
CORNER

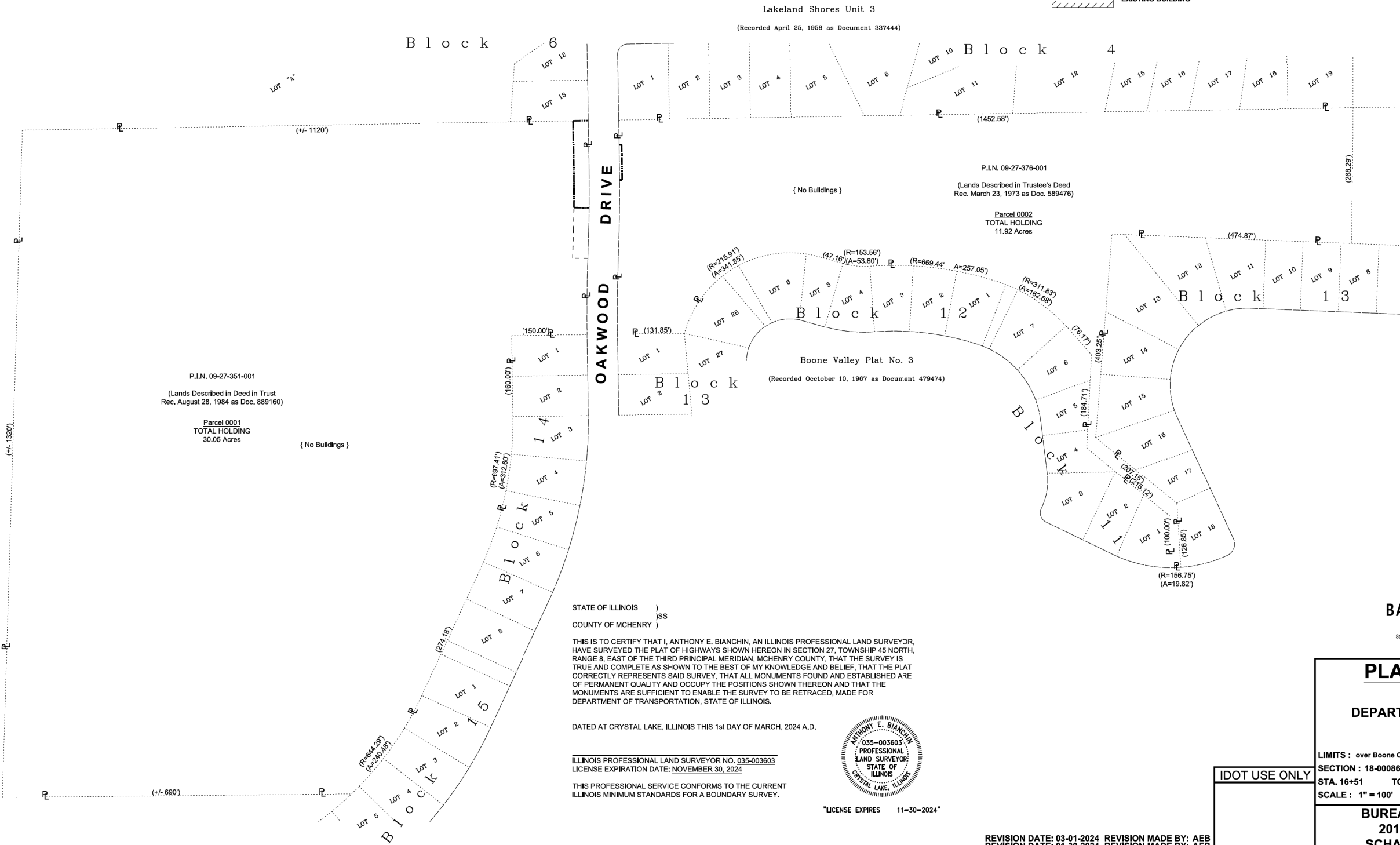


QUARTER
SECTION
CORNER

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

- IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
STAKING OF PROPOSED RIGHT OF WAY.
SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:
Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment). Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment). All dimensions are measured unless otherwise noted. All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.



STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 45 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 1st DAY OF MARCH, 2024 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



"LICENSE EXPIRES 11-30-2024"

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEBELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-499-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OAKWOOD DRIVE

LIMITS : over Boone Creek COUNTY : McHenry
SECTION : 18-00086-00-BR JOB NO. : R-55-001-97
STA. 16+51 TO STA. 22+00
SCALE : 1" = 100' SHEET 3 OF 3 SHEETS

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

REVISION DATE: 03-01-2024 REVISION MADE BY: AEB
REVISION DATE: 01-30-2024 REVISION MADE BY: AEB

IDOT USE ONLY



| | | | | | |
|------------|-------------------|----------|-------------|---------|---|
| USER NAME | = mvantervelde | DESIGNED | ZW | REVISED | - |
| DRAWN | KAR | REVISED | - | | |
| PLOT SCALE | = 40,0000 ' / in. | CHECKED | JSH | REVISED | - |
| PLOT DATE | = 3/27/2025 | DATE | - 3/27/2025 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|----------------|---------|--------------|--------------------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 19 |
| | | | | CONTRACT NO. 61149 |

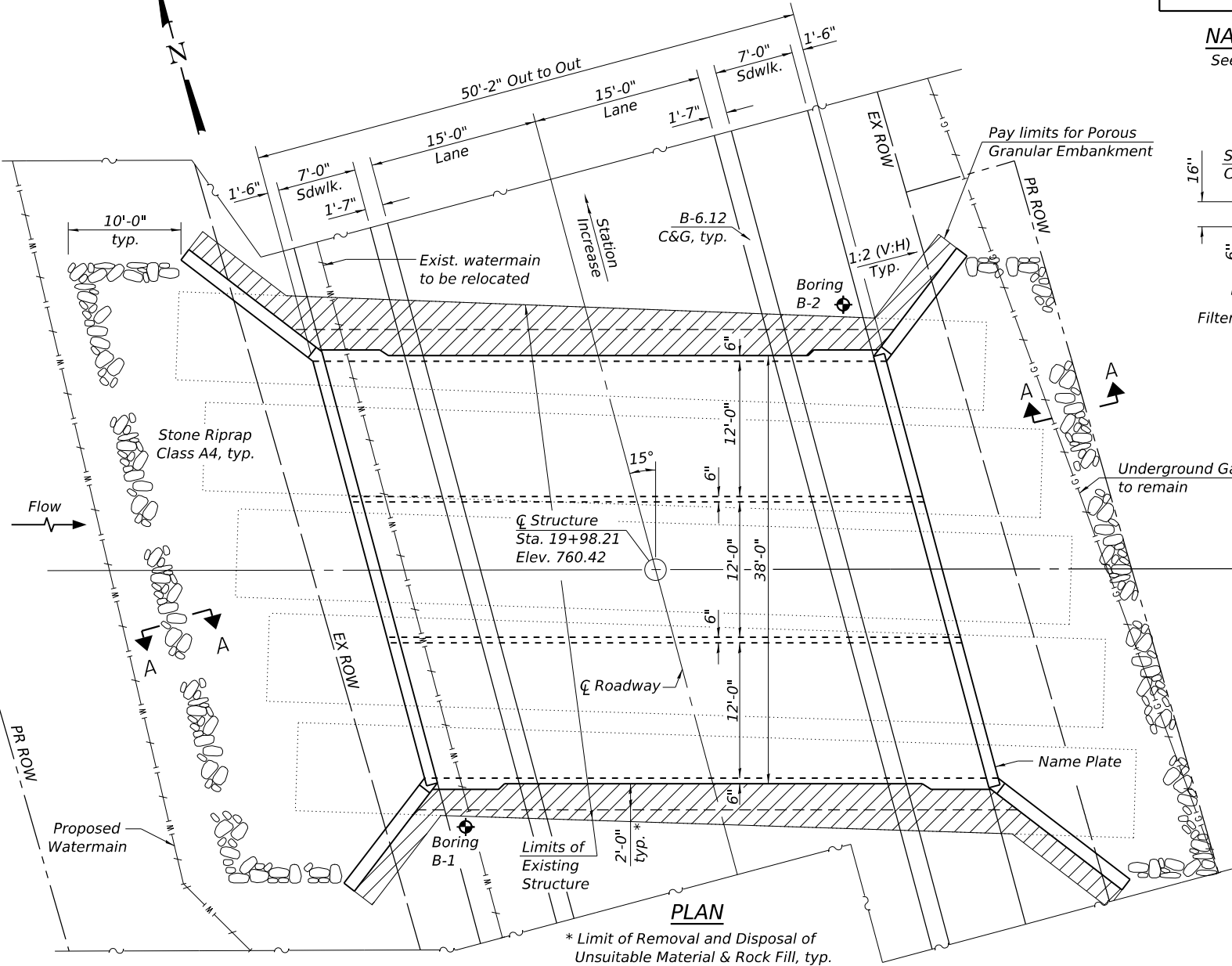
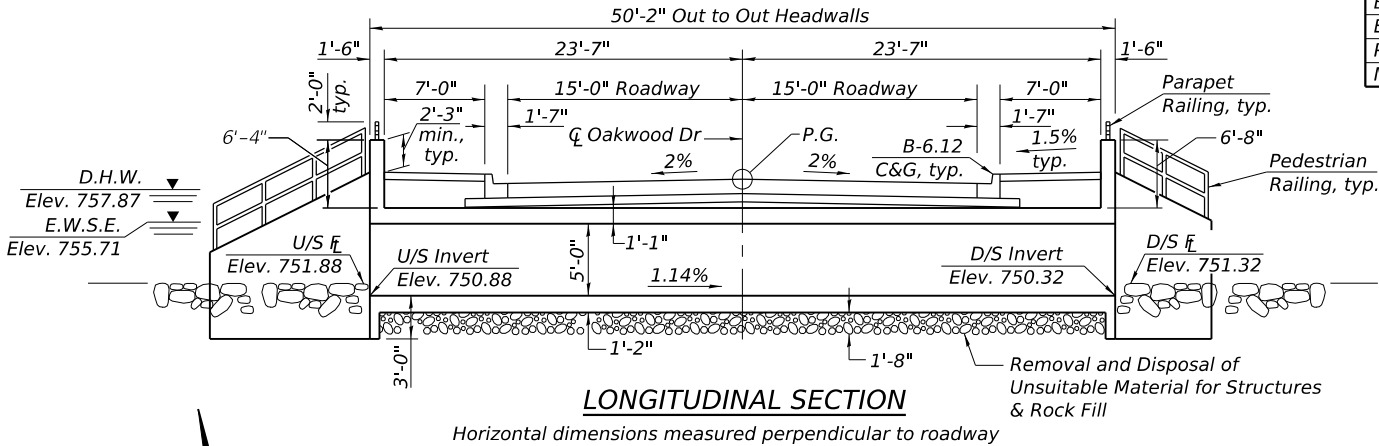
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 18-001121 - EXPIRES 4/30/2025
mvantervelde 3/27/2025 3:41:16 PM
FILE NAME: P:\MCHENRY\190202-Oakwood\CAD\Streets\190202_sht_Highway\Plat.dgn

Benchmark: Railroad Spike set on East face of Power Pole West of Oakwood Drive
North of Culvert, Station 20+74. Elev. 762.40

Existing Structure: S.N. 056-6600 was built in 1971 as five cell corrugated metal arch culvert (approx. 96" x 66")
at 20% left forward skew with sloping concrete headwalls. Structure to be completely removed
and replaced. Road to be closed and traffic detoured during construction.

No Salvage.



WATERWAY INFORMATION

| | | | | | | | | | |
|-----------------|-------|---------------------------------------------------|-----------------|-------|--------|------------|-------|---------------|-------|
| Drainage Area | | Low Grade Elev. 760.33 @ Sta. 19+71.66 (Existing) | | | | | | | |
| = 20.54 Sq. Mi. | | Elev. 760.27 @ Sta. 19+68.11 (Proposed) | | | | | | | |
| Flood | Freq. | Q | Opening Sq. Ft. | | Nat. | Head - Ft. | | Headwater El. | |
| | Yr. | C.F.S. | Exist. | Prop. | H.W.E. | Exist. | Prop. | Exist. | Prop. |
| | 10 | 480 | 148.5 | 144 | 757.0 | 0.3 | 0.2 | 757.3 | 757.2 |
| Design | 30 | 641 | 148.5 | 144 | 757.5 | 0.6 | 0.4 | 758.1 | 757.9 |
| Base | 100 | 820 | 148.5 | 144 | 757.9 | 1.0 | 0.6 | 758.9 | 758.5 |
| Ex. Overtop | N/A | - | - | - | - | - | - | - | - |
| Pr. Overtop | N/A | - | - | - | - | - | - | - | - |
| Max. Calc. | 500 | 1050 | 148.5 | 144 | 758.4 | 1.7 | 1.1 | 760.1 | 759.5 |

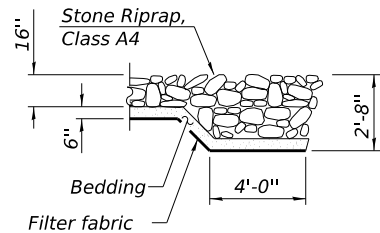
2 Yr. Flow = 246 CFS

INDEX OF SHEETS

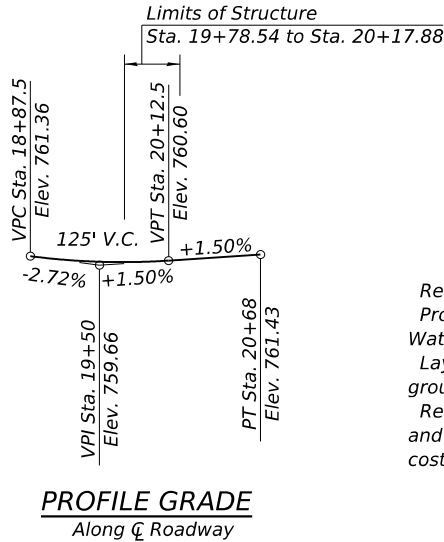
- General Plan
- Culvert Details - I
- Culvert Details - II
- Architectural Details
- Boring Logs

NAME PLATE

See Std. 515001



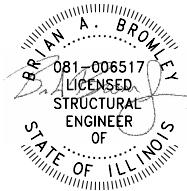
SECTION A-A



PROFILE GRADE

Along Centerline Roadway

NOTES: The Contractor shall be responsible for diverting water flow from the construction area using Cofferdam (Type 2)(Location-1) to approval of the Engineer.



DATE: 3/3/2025
LICENSE EXPIRES 11/30/26

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO LRFD Bridge Design Specifications.

TOTAL BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|------------------------------------------------------------|-------|-------|
| Removal and Disposal of Unsuitable Material for Structures | Cu Yd | 131 |
| Porous Granular Embankment | Cu Yd | 140 |
| Stone Riprap, Class A4 | Sq Yd | 240 |
| Filter Fabric | Sq Yd | 240 |
| Removal of Existing Structures | Each | 1 |
| Cofferdam Excavation | Cu Yd | 343 |
| Cofferdam (Type 2) (Location - 1) | Each | 1 |
| Form Liner Textured Surface | Sq Ft | 1104 |
| Protective Coat | Sq Yd | 123 |
| Reinforcement Bars, Epoxy Coated | Pound | 42490 |
| Pedestrian Railing | Foot | 55 |
| Parapet Railing | Foot | 78 |
| Name Plates | Each | 1 |
| Concrete Box Culverts | Cu Yd | 252.0 |
| Geocomposite Wall Drain | Sq Yd | 223 |
| Rock Fill | Cu Yd | 131 |
| Staining Concrete Structures | Sq Ft | 1104 |
| Membrane Waterproofing System for Buried Structures | Sq Yd | 223 |

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

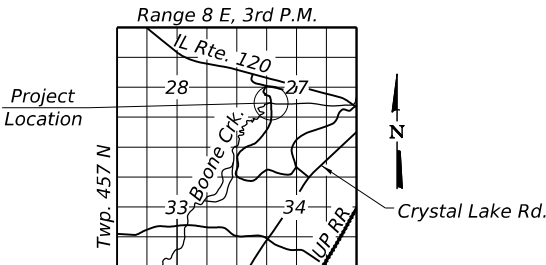
$f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

LOADING HL-93

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

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated. Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Removal and disposal of existing pipe culverts, end sections and associated inlets and frames shall be included with the cost of Removal of Existing Structures.



LOCATION SKETCH

GENERAL PLAN
OAKWOOD DRIVE OVER BOONE CREEK
SECTION 18-00086-00-BR
STRUCTURE NO. 056-6603
MCHENRY COUNTY
STATION 19+98.21

BAXTER & WOODMAN
Consulting Engineers

| | |
|------------|-------------------------|
| USER NAME | = mvandervelden |
| DESIGNED | - SMA |
| DRAWN | - SMA |
| PLOT SCALE | = 0:2.0000 " = 1' / in. |
| CHECKED | - BAB |
| DATE | - |
| PLOT DATE | = 3/27/2025 |

| | |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

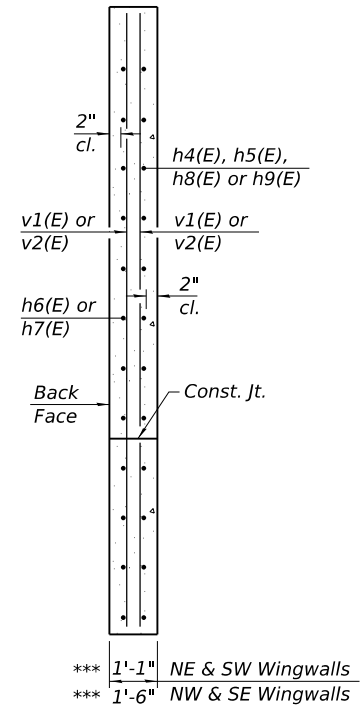
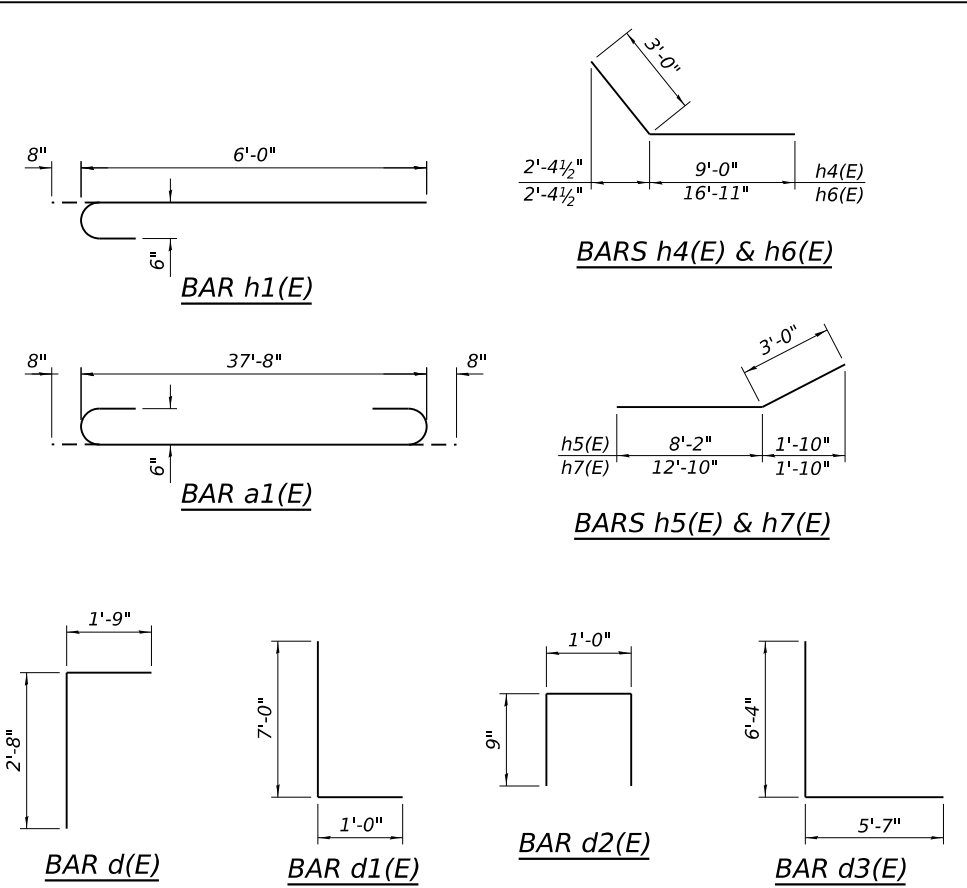
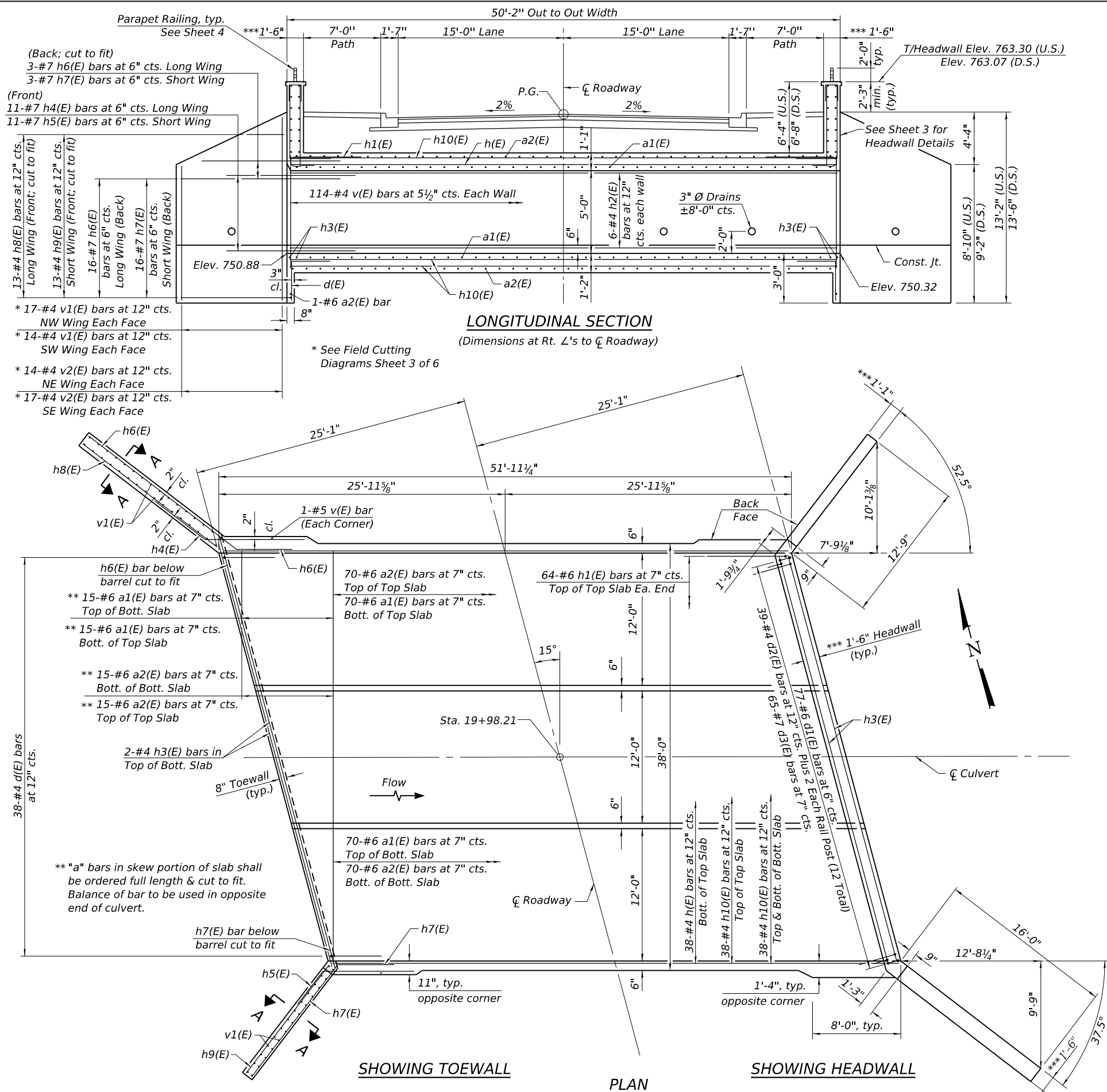
GENERAL PLAN
STRUCTURE NO. 056-6603

SHEET 1 OF 6 SHEETS

| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|----------------|---------|--------------|--------------------|
| 2018 | 18-00086-00-BR | McHENRY | 31 | 20 |
| | | | | CONTRACT NO. 61L49 |

ILLINOIS FED. AID PROJECT

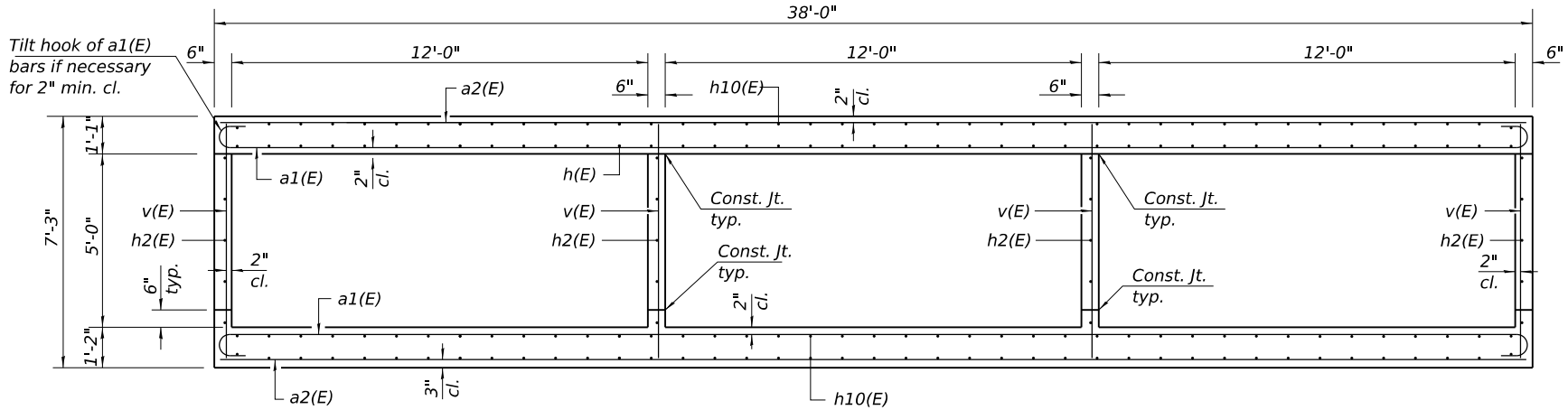
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3/27/2025 3:41:28 PM



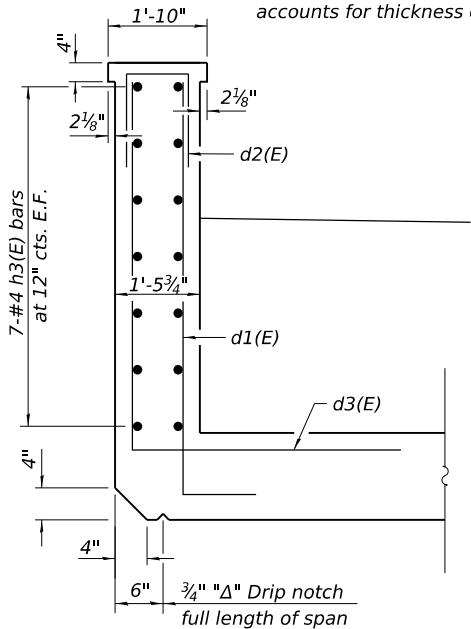
SECTION A-A
*** Excludes Formliner Relief

| BILL OF MATERIAL | | | | |
|----------------------------------|-----|------|---------|--------|
| Bar | No. | Size | Length | Shape |
| a1(E) | 170 | #6 | 39'-0" | |
| a2(E) | 172 | #6 | 37'-8" | |
| d(E) | 76 | #4 | 4'-5" | |
| d1(E) | 154 | #6 | 8'-0" | |
| d2(E) | 102 | #4 | 2'-6" | |
| d3(E) | 130 | #7 | 11'-11" | |
| h(E) | 38 | #5 | 51'-5" | |
| h1(E) | 128 | #6 | 6'-8" | |
| h2(E) | 24 | #4 | 51'-7" | |
| h3(E) | 32 | #4 | 38'-3" | |
| h4(E) | 22 | #7 | 12'-0" | |
| h5(E) | 22 | #7 | 11'-2" | |
| h6(E) | 38 | #7 | 19'-11" | |
| h7(E) | 38 | #7 | 15'-10" | |
| h8(E) | 26 | #4 | 16'-0" | |
| h9(E) | 26 | #4 | 12'-9" | |
| h10(E) | 114 | #4 | 51'-7" | |
| v(E) | 460 | #5 | 6'-10" | |
| v1(E) | 31 | #4 | 21'-4" | |
| v2(E) | 31 | #4 | 22'-0" | |
| Concrete Box Culverts | | | Cu. Yd. | 252.0 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 42,490 |

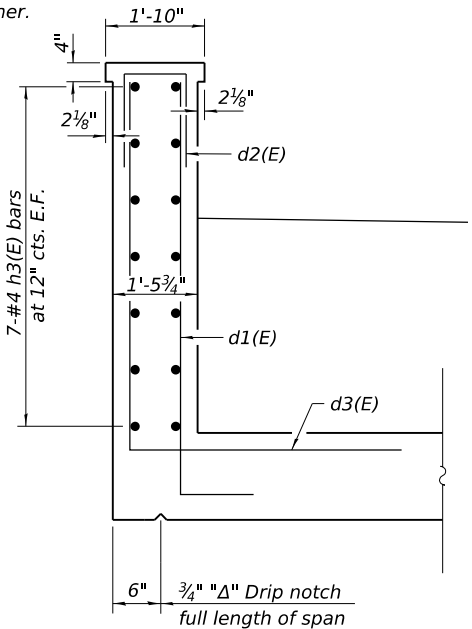
A minimum eight feet of the barrel shall be poured monolithically with the wingwalls.



SECTION THRU BARREL



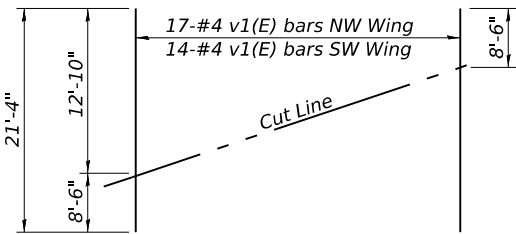
UPSTREAM



DOWNSTREAM

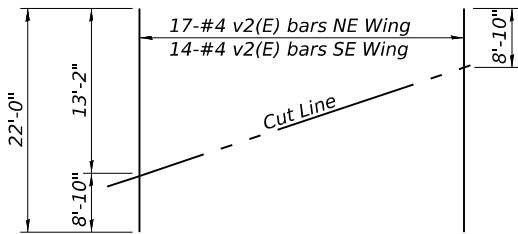
SECTION THRU HEADWALL

Parapet Railing not shown



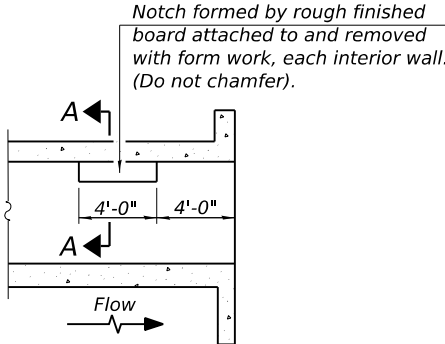
FIELD CUTTING DIAGRAM

Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.

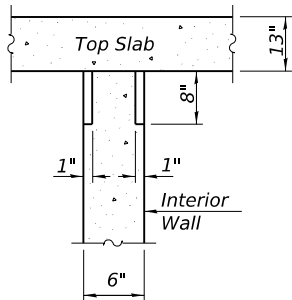


FIELD CUTTING DIAGRAM

Order v2(E) bars full length. Cut as shown and use remainder of bars in opposite face.



LONGITUDINAL SECTION



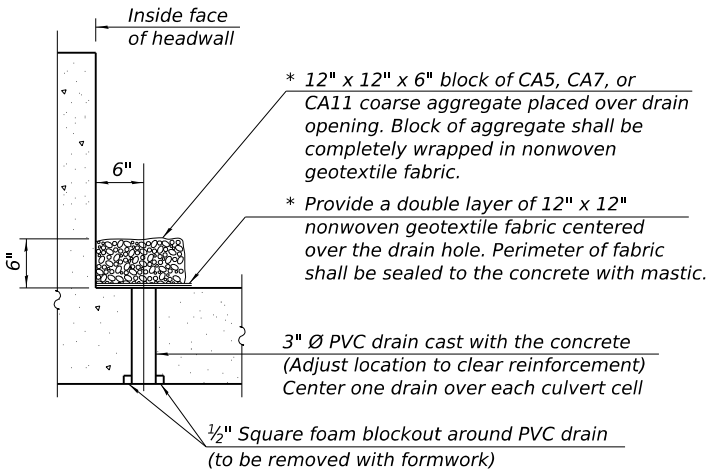
SECTION A-A

PHOEBE NESTING

SITE DETAILS

(Downstream End Only)

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

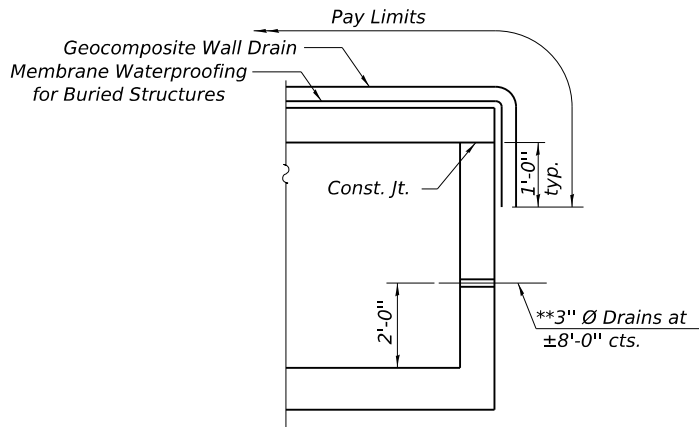


DRAIN DETAIL

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

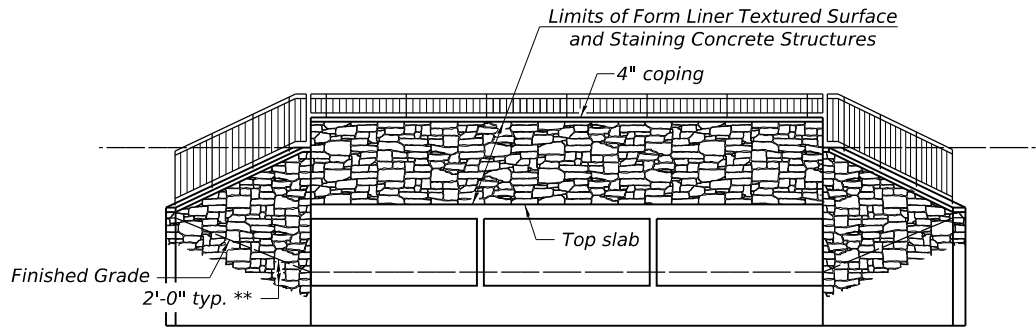
WATERPROOFING

** Geocomposite Strip Drain required at each weephole. Cost included with Concrete Box Culverts. See Special Provisions.



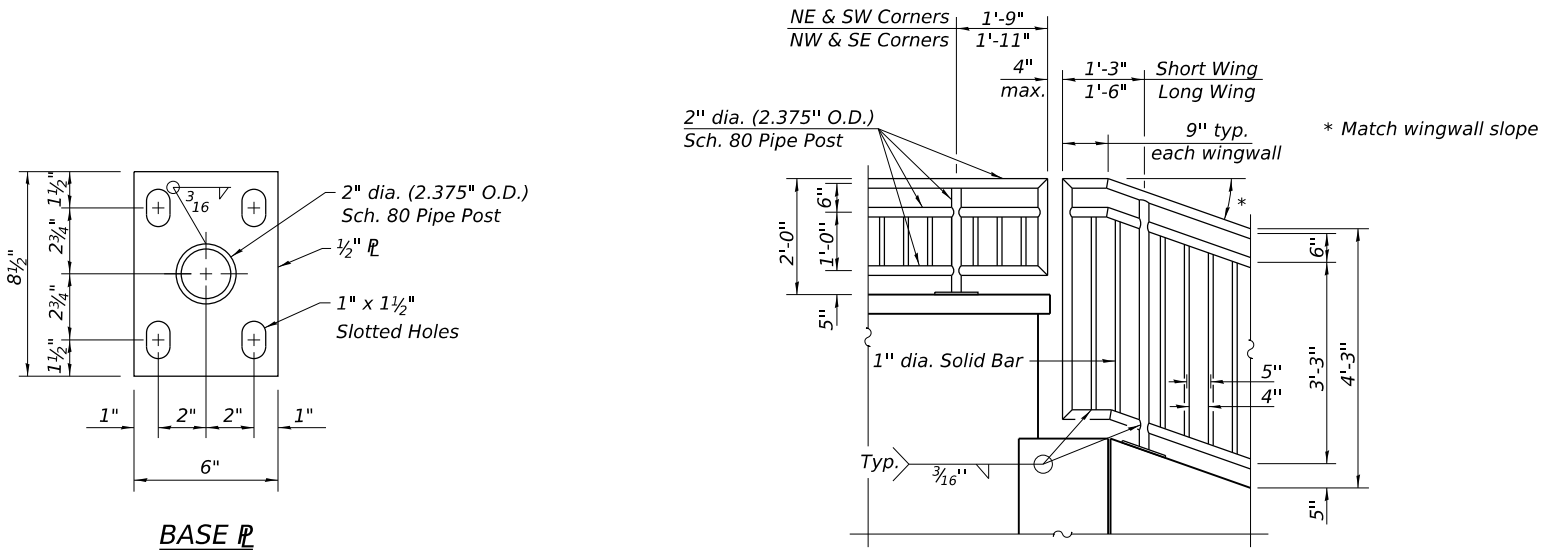
| | | |
|-------------------------------------|----------------|-----------|
| USER NAME = mvandervelden | DESIGNED - SMA | REVISED - |
| | DRAWN - SMA | REVISED - |
| PLOT SCALE = 10:0.0000 " = 1" / in. | CHECKED - BAB | REVISED - |
| PLOT DATE = 3/27/2025 | DATE - | REVISED - |

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|----------------|---------|--------------|---------------------------|
| 2018 | 18-00086-00-BR | McHENRY | 31 | 22 |
| | | | | CONTRACT NO. 61L49 |
| | | | | ILLINOIS FED. AID PROJECT |

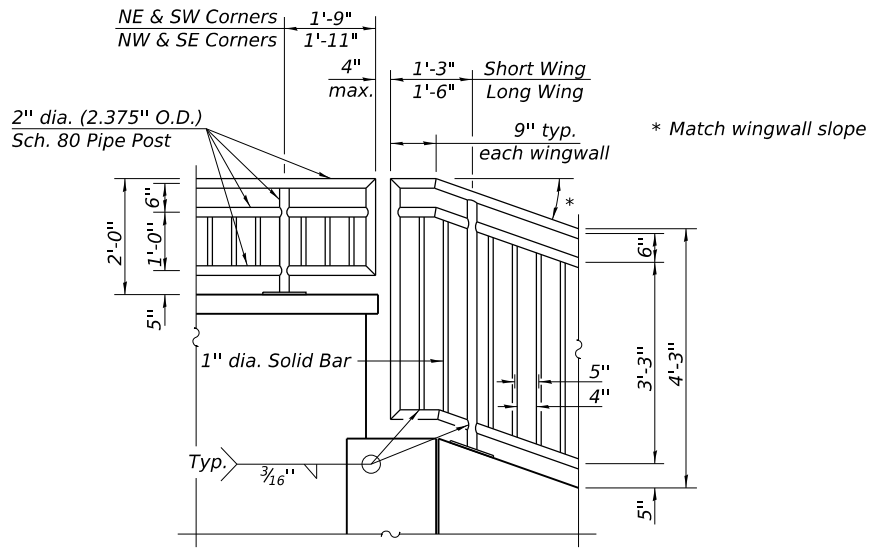


** No payment will be made for form liner installed below this line.

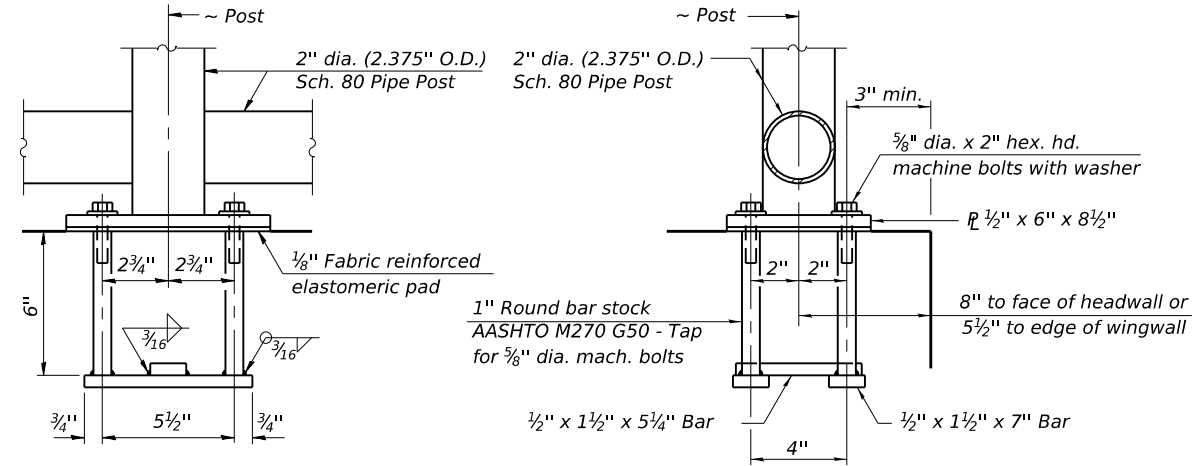
**FORM LINER DETAIL
OUTSIDE ELEVATION**



BASE PL

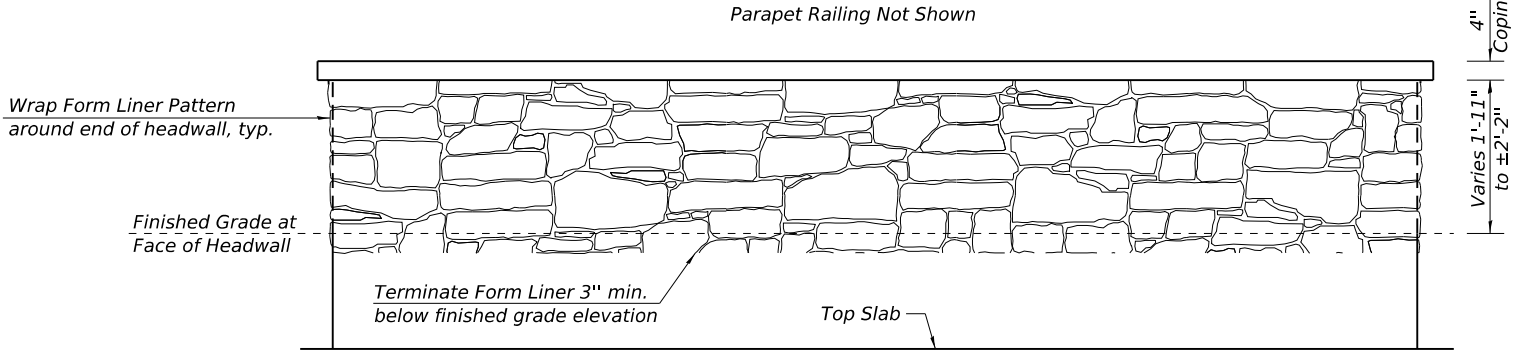


RAIL ELEMENT DETAILS

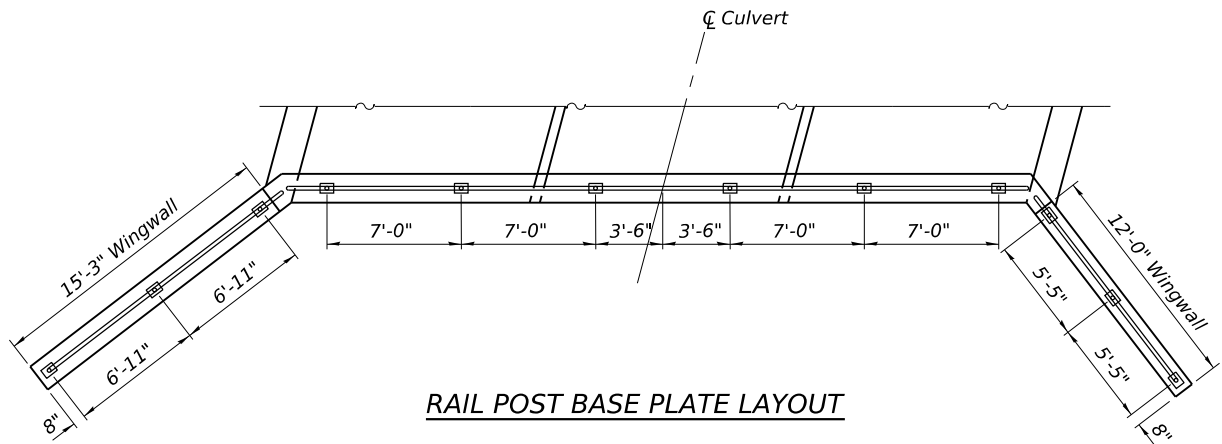


ANCHOR BOLT DETAILS

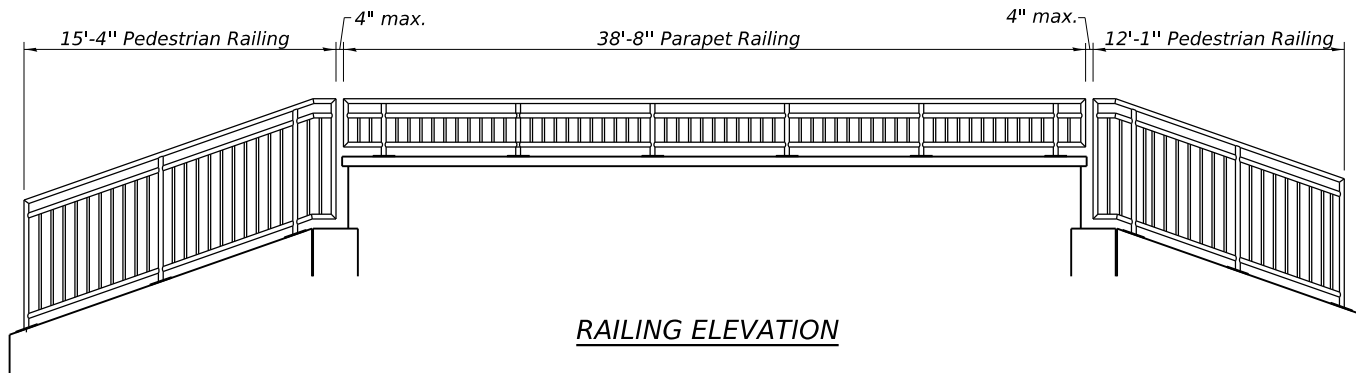
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" dia. anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



**FORM LINER DETAIL
ELEVATION OF HEADWALL**
Form liner shall be applied to all exposed faces of headwalls.
See view at left for wingwalls.



RAIL POST BASE PLATE LAYOUT



RAILING ELEVATION

Notes:

Railing shall be according to the applicable portions of Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for Pedestrian Railing.

Hollow steel pipes shall conform to the requirements of ASTM A53 and shall be "standard weight".

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.

All post, railing, splices, anchor devices, and bent plates shall be painted sing the Organic Zinc Rich Primer / Epoxy / Urethane Paint System. The color of the final finish coat shall be matte black.

Space reinforcement in headwall and wingwalls to miss anchor rods.

BILL OF MATERIAL

| Item | Unit | Quantity |
|--------------------|------|----------|
| Pedestrian Railing | Foot | 55 |
| Parapet Railing | Foot | 78 |

MODEL: Default
FILE NAME: P:\MCHC\190202-Oakwood\CAD\Sheets\Structural\Architectural Details.dgn
3/27/2025 3:41:33 PM

BAXTER & WOODMAN
Consulting Engineers


| | | |
|--------------------------------|----------------|-----------|
| USER NAME = mvandervelden | DESIGNED - SMA | REVISED - |
| PLOT SCALE = 0:2.0000 1" = 10' | DRAWN - SMA | REVISED - |
| PLOT DATE = 3/27/2025 | CHECKED - BAB | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARCHITECTURAL DETAILS
STRUCTURE NO. 056-6603**

SHEET 4 OF 6 SHEETS


| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|----------------|---------|--------------|---------------------------|
| 2018 | 18-00086-00-BR | McHENRY | 31 | 23 |
| | | | | CONTRACT NO. 61L49 |
| | | | | ILLINOIS FED. AID PROJECT |

| | | | |
|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|
|  | SOIL AND MATERIAL CONSULTANTS, INC. | File No. <u>25252</u> | BORING LOG <u>1</u> |
| Comments _____ | Client <u>Baxter & Woodman, Inc.</u> | Sheet <u>1</u> of <u>4</u> | |
| _____ | Project <u>Replacement</u> | Date <u>7/24/20</u> | |
| _____ | Location <u>McHenry, IL</u> | Drilled By <u>AQ & AC</u> | |
| _____ | | CS | |
| _____ | | Equipment <input checked="" type="checkbox"/> D - 50 <input type="checkbox"/> H.A. <input type="checkbox"/> Other | |
| _____ | | Logged By _____ | |

| Elev. ft | 760.6' | Description | Depth, ft | 0 | S | T | R | B | N | Pen. | W | Uw | Qu |
|----------|--------|------------------------------------------------------------------------------------------------|-----------|----|----|-----|-----|---|----|------|------|-------|-----|
| | | Dark brown silt & sand, some gravel, trace clay, damp, medium dense - Fill | | 1 | J | | | | | | 8.7 | | |
| | | | | | | | | 6 | | | | | |
| | | | | | | | | 7 | | | | | |
| | | | | 2 | SS | 18" | | 6 | 13 | | 11.7 | | |
| | | | | | | | | | | | | | |
| 756.6' | | | | | | | | 3 | | | | | |
| | | Black-dark gray silt, some clay & sand, trace gravel, damp-very damp, loose - Fill | | 5 | 3 | SS | 18" | 3 | 5 | | 18.8 | | |
| | | | | | | | | 2 | | | | | |
| | | | | | | | | 3 | | | | | |
| | | | | | | | | 3 | | | | | |
| | | | | 4 | SS | 15" | | 3 | 6 | | 16.5 | | |
| 752.6' | | | | | | | | | | | | | |
| | | Dark brown-gray fine-medium sand, some silt & coarse sand, trace gravel, saturated, very loose | | | | | | 1 | | | | | |
| | | | | | | | | 1 | | | | | |
| | | | | 10 | 5 | SS | 15" | 1 | 2 | | 16.6 | | |
| 749.6' | | | | | | | | 2 | | | | | |
| | | Brown-gray clay & silt, trace sand & gravel, damp, stiff | | | | | | 4 | | | | | |
| | | | | 6 | SS | 14" | | 5 | 9 | | 15.1 | | |
| 747.1' | | | | | | | | | | | | | |
| | | Brown-gray clay & silt, trace sand & gravel, damp, hard | | | | | | 3 | | | | | |
| | | | | | | | | 6 | | | | | |
| | | | | 15 | 7 | SS | 18" | 7 | 13 | 4.5+ | 10.6 | 132.8 | 6.1 |
| | | | | | | | | | | | | | |
| | | | | | | | | 4 | | | | | |
| | | | | | | | | 5 | | | | | |
| | | | | 8 | SS | 18" | | 7 | 12 | 4.5+ | 10.9 | 137.3 | 4.3 |
| | | | | | | | | | | | | | |
| | | | | | | | | 5 | | | | | |
| | | | | | | | | 5 | | | | | |
| | | | | 20 | 9 | SS | 18" | 6 | 11 | 4.5+ | 10.9 | 130.9 | 4.5 |

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Water Level ————— - while drilling: <u>8.0</u> - after drilling: <u>23.0</u> - hrs. after drilling: _____ | | | S - sample T - type J(Lar), SS (split-spill), ST (shelby tube) R - recovery length, in B - Standard Penetration Test (SPT), blows/ft sampler W - water content, % N - SPT, blows/foot to drive 2" O.D. split-spill sampler with 140 lb. hammer falling 30" Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft. Qu - unconfined compressive strength, tons/sq. ft. | | |
|--------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|


F-111b-1

| | | | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|  | SOIL AND MATERIAL CONSULTANTS, INC. | File No. <u>25252</u> | BORING LOG <u>1</u> |
| Comments _____ _____ _____ | Client <u>Baxter & Woodman, Inc.</u> Project <u>Oakwood Drive Culvert Replacement</u> Location <u>McHenry, IL</u> | Sheet <u>2</u> of <u>4</u> Date <u>7/24/20</u> Drilled By <u>AQ & AC</u> | Equipment <input checked="" type="checkbox"/> D - 50 <input type="checkbox"/> H.A. <input type="checkbox"/> Other Logged By <u>CS</u> |

| Elev. ft | Description | Depth, ft | S | T | R | B | N | Pen. | W | Uw | Qu |
|----------|--------------------------------------------------------------------------|-----------|----|-----|-----|-----|------|------|------|-------|-------|
| 740.1' | (a) see page 4 of 4 | | | | | | | | | | |
| | Gray coarse sand & gravel, trace fine-medium sand, saturated, very loose | | | | | | | | | | |
| | | 10 | SS | 2" | 1 | 1 | | | 10.3 | | |
| | | | | | 1 | | | | | | |
| | | 25 | SS | 6" | 2 | 3 | | | 11.0 | | |
| | | | | | 1 | | | | | | |
| | | | | | 2 | | | | | | |
| | | 12 | J | 0 | 2 | 4 | | | 8.3 | | |
| 732.6' | | | | | | | | | | | |
| | Brown-gray to gray clay & silt, trace sand & gravel, damp, very hard | | | | 43 | | | | | | |
| | | 30 | SS | 18" | 50+ | 93+ | 4.5+ | | 8.4 | 148.1 | 10.0+ |
| | | | | | | | | | | | |
| | | | | | 17 | | | | | | |
| | | 35 | SS | 10" | 38 | 67 | 4.5+ | | 7.9 | 145.7 | 10.0+ |
| | | | | | | | | | | | |
| | | | | | 17 | | | | | | |
| | | | | | 26 | | | | | | |
| | | 40 | SS | 14" | 35 | 61 | 4.5+ | | 9.1 | 131.9 | 8.1 |

| | | | | | |
|------------------------|------------|------------|-----------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------|
| Water Level — | depth, ft. | elev., ft. | S - sample | T - type: J(Jar), SS(split-spoon), ST(shotby tube) | R - recovery length, in |
| - while drilling: | 8.0 | _____ | B - Standard Penetration Test(SPT), blows/ 6" interval | | W - water content, % |
| - after drilling: | 23.0 | _____ | N - SPT, blows/10' to drive 2' O.D. split-spoon sampler with 140 lb. hammer falling 30' | | |
| - hrs. after drilling: | _____ | _____ | Pen. - pocket penetrometer reading, tons/sq. ft. | | Uw - dry unit weight of soil, lbs/cu. ft. |
| | | | Qu - unconfined compressive strength, tons/sq. ft. | | |


F-111b-2

| | | | |
|-------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | SOIL AND MATERIAL CONSULTANTS, INC. | File No. <u>25252</u> | BORING LOG <u>1</u> |
| | Comments _____ | Client <u>Baxter & Woodman, Inc.</u> <u>Oakwood Drive Culvert</u> Project <u>Replacement</u> Location <u>McHenry, IL</u> | Sheet <u>3</u> of <u>4</u> Date <u>7/24/20</u> Drilled By <u>AQ & AC</u> Equipment <input checked="" type="checkbox"/> D - 50 <input type="checkbox"/> H.A. <input type="checkbox"/> Other Logged By _____ |

[illegible]

| | | | | | |
|------------------------|------------|------------|----------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------|
| Water Level — | depth, ft. | elev., ft. | S - sample | T - type, J (air), SS (split-open), ST (shear tube) | R - recovery length, in. |
| - while drilling: | 8.0 | _____ | B - Standard Penetration Test (SPT), blows/6' interval | W - water content, % | |
| - after drilling: | 23.0 | _____ | N - SPT, blowfoot to drive 2" O.D. split-spore sampler with 140 lb. hammer falling 30" | | |
| - hrs. after drilling: | | _____ | Pen - pocket penetrometer reading, tons/sq. ft. | Uw - dry unit weight of soil, lbs./cu. ft. | |
| | | | Qu - unconfined compressive strength, tons/sq. ft. | | |


F-111b-3

| | | | |
|---------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------|----------------------------|
|  | SOIL AND MATERIAL CONSULTANTS, INC. | File No. <u>25252</u> | BORING LOG <u>1</u> |
| Comments _____ | Client <u>Baxter & Woodman, Inc.</u> | Sheet <u>4</u> of <u>4</u> | |
| _____ | Project <u>Replacement</u> | Date <u>7/24/20</u> | |
| _____ | Location <u>McHenry, IL</u> | Drilled By <u>AQ & AC</u> | |
| _____ | | CS | |
| _____ | | Logged By _____ | |
| _____ | | _____ | |

[illegible]

| | | | | | | | |
|------------------------|-------------|--|------------|------------|------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------|
| Water Level — | | | depth, ft. | elev., ft. | S - sample | T - type: J/Lar, SS(spl/spoon), ST(shealy tube) | R - recovery length, in. |
| - while drilling: | <u>8.0</u> | | _____ | _____ | B - Standard Penetration Test(SPT), blows/ft interval | W - water content, % | |
| - after drilling: | <u>23.0</u> | | _____ | _____ | N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30" | | |
| - hrs. after drilling: | _____ | | _____ | _____ | Pen - pocket penetrometer reading, tons/sq. ft. | Uw - dry unit weight of soil, lbs/cu. ft. | |
| | _____ | | _____ | _____ | Qu - unconfined compressive strength, tons/sq. ft. | | |

F-111b-4



SOIL AND MATERIAL CONSULTANTS, INC.

File No. 23252

BORING LOG 2

Client Baxter & Woodman, Inc.

Comments _____

Sheet 1 of 4

Date 7/27/20

Project Replacement

Location McHenry, IL

Drilled By AQ & AC

Equipment ☒ D - 50 ☐ H.A. ☐ Other _____

Logged By _____

| Elev. ft. | 760.1' | Description | Depth, ft. | 0 | S | T | R | B | N | Pen. | W | Uw | Qu |
|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------|------------|----|----|-----|----|----|------|------|-------|-------|----|
| | | Dark brown-black to brown-dark brown silt, some sand & clay, trace gravel, damp-very damp, loose - Fill | | 1 | J | | | | | | 19.2 | | |
| | | | | 2 | SS | 18" | 5 | 9 | | 11.6 | | | |
| | | | | 3 | | | | | | | 21.8 | | |
| 755.6' | | Black silt, some clay, trace sand & roots, damp, very loose (topsoil) | | 4 | SS | 18" | 2 | 4 | | | 54.0 | | |
| 754.1' | | Dark gray-dark brown fine sand, some medium-coarse sand, trace silt, gravel, shells & organic matter, very damp-saturated, loose | | 5 | SS | 18" | 3 | 5 | | 41.9 | | | |
| | | | | 6 | SS | 18" | 3 | 5 | | 39.7 | | | |
| 748.6' | | Brown-gray to gray clay & silt, trace sand & gravel, damp, medium stiff | | 7 | SS | 18" | 3 | 5 | | 13.2 | | | |
| 746.6' | | Brown-gray to gray clay & silt, trace sand & gravel, damp, hard to very hard | | 8 | SS | 18" | 10 | 16 | 3.75 | 10.7 | 129.2 | 4.3 | |
| | | | | 9 | SS | 2" | 12 | 24 | 4.5+ | 10.3 | | | |
| | | | | 10 | SS | 18" | 19 | 32 | 4.5+ | 9.4 | 137.3 | 10.0+ | |

Water Level — depth, ft. elev. ft.

— while drilling: 7.0

— after drilling: 30.0

— hrs. after drilling: _____


S - sample T - type: J(Jar), SS(split-spoon), ST(sheety tube) R - recovery length, in.

B - Standard Penetration Test (SPT), blow/s 6" interval W - water content, %

N - SPT, blow/foot to drive 2" D. O. split-spoon sampler with 140 lb. hammer falling 30"

Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.

Qu - unconfined compressive strength, tons/sq. ft.



SOIL AND MATERIAL CONSULTANTS, INC.

File No. 25252

BORING LOG 2

Client Baxter & Woodman, Inc.

Sheet 2 of 4

Comments _____

Project Oakwood Drive Culvert Replacement

Date 7/27/20

Location McHenry, IL

Drilled By AQ & AC

Equipment ☒ D - 50 ☐ H.A. ☐ Other _____

Logged By _____

| Elev. ft | Description | Depth, ft | 20 | S | T | R | B | N | Pen. | W | Uw | Qu |
|----------|----------------------------------------------------------------------------|-----------|----|----|-----|-----|----|------|------|-------|-------|-------|
| | Brown-gray to gray clay & silt, trace sand & gravel,damp,hard to very hard | | | | | | 10 | | | | | |
| | | | | | | | 13 | | | | | |
| | | | | | | | 16 | | | | | |
| | | | | | | | 19 | | | | | |
| | | | | | | | 22 | | | | | |
| | | | 11 | SS | 18" | 16 | 29 | 4.5+ | 9.6 | 135.6 | 6.2 | |
| | | | | | | | 13 | | | | | |
| | | | | | | | 15 | | | | | |
| | | | | | | | 17 | | | | | |
| | | | | | | | 19 | | | | | |
| | | | | | | | 21 | | | | | |
| | | | 25 | 12 | SS | 18" | 18 | 33 | 4.5+ | 9.1 | 134.1 | 10.0+ |
| | | | | | | | 12 | | | | | |
| | | | | | | | 15 | | | | | |
| | | | | | | | 18 | | | | | |
| | | | | | | | 21 | | | | | |
| | | | | | | | 24 | | | | | |
| | | | 13 | SS | 18" | 20 | 35 | 4.5+ | 9.2 | 139.3 | 10.0+ | |
| | | | | | | | 15 | | | | | |
| | | | | | | | 18 | | | | | |
| | | | | | | | 21 | | | | | |
| | | | | | | | 24 | | | | | |
| | | | | | | | 27 | | | | | |
| | | | 30 | 14 | SS | 18" | 30 | 48 | 4.5+ | 8.1 | 152.7 | 10.0+ |
| | | | | | | | 18 | | | | | |
| | | | | | | | 21 | | | | | |
| | | | | | | | 24 | | | | | |
| | | | | | | | 27 | | | | | |
| | | | | | | | 30 | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | 11 | | | | | |
| | | | | | | | 14 | | | | | |
| | | | | | | | 17 | | | | | |
| | | | | | | | 20 | | | | | |
| | | | | | | | 23 | | | | | |
| | | | 35 | 15 | SS | 18" | 26 | 51 | 4.5+ | 9.0 | 135.0 | 8.7 |
| | | | | | | | 25 | | | | | |
| | | | | | | | 28 | | | | | |
| | | | | | | | 31 | | | | | |
| | | | | | | | 34 | | | | | |
| | | | | | | | 37 | | | | | |
| | | | | | | | | | | | | |
| | Brown-gray to gray clay & silt, trace sand & gravel,damp,hard | | | | | | 11 | | | | | |
| | | | | | | | 14 | | | | | |
| | | | | | | | 17 | | | | | |
| | | | | | | | 20 | | | | | |
| | | | | | | | 23 | | | | | |
| | | | 40 | 16 | SS | 18" | 22 | 38 | 4.5+ | 9.5 | 136.0 | 6.0 |

721.6'

Water Level — depth, ft. elev. ft.

- while drilling: 7.0

- after drilling: 30.0

- hrs. after drilling: _____

S - sample T - type: J(Jar), ST(split-spoon), ST(shelby tube) R - recovery length, in.

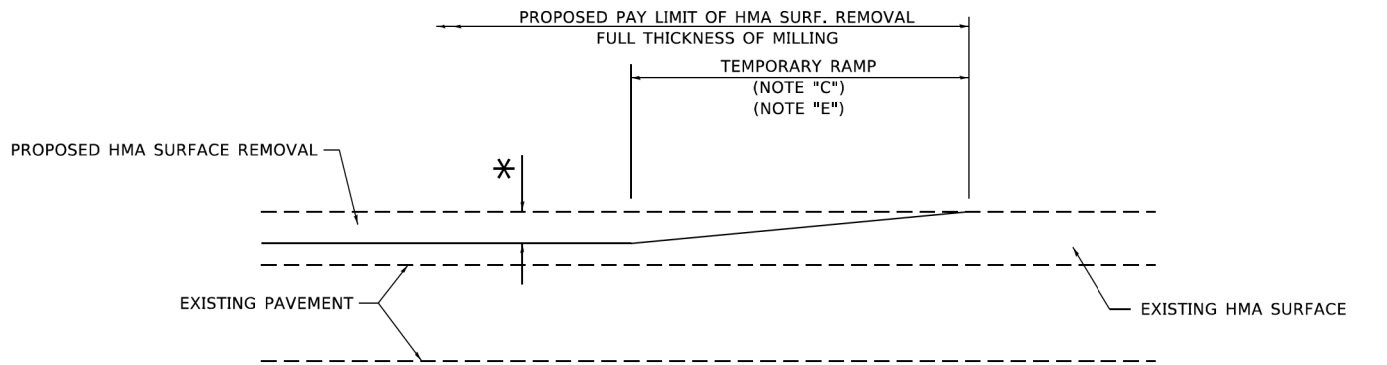
B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %

N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"

Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.

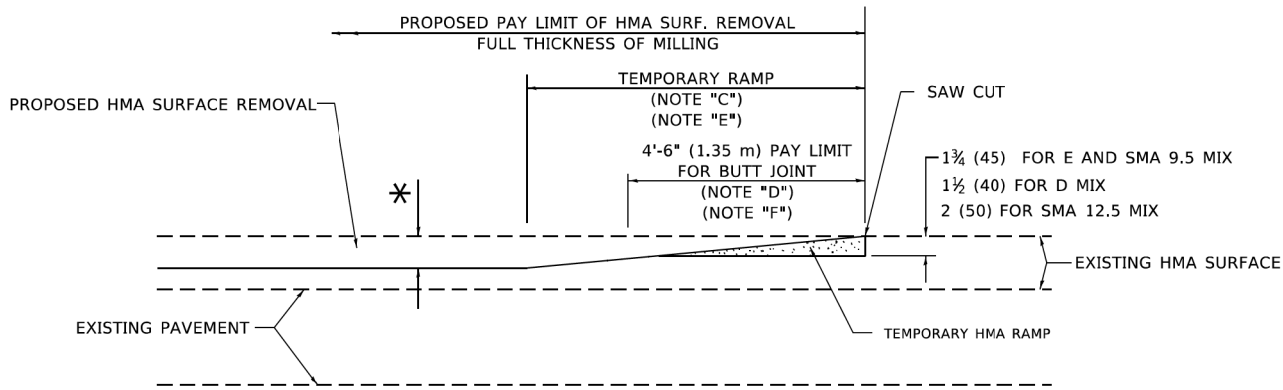
Qu - unconfined compressive strength, tons/sq. ft.

[illegible][illegible]



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

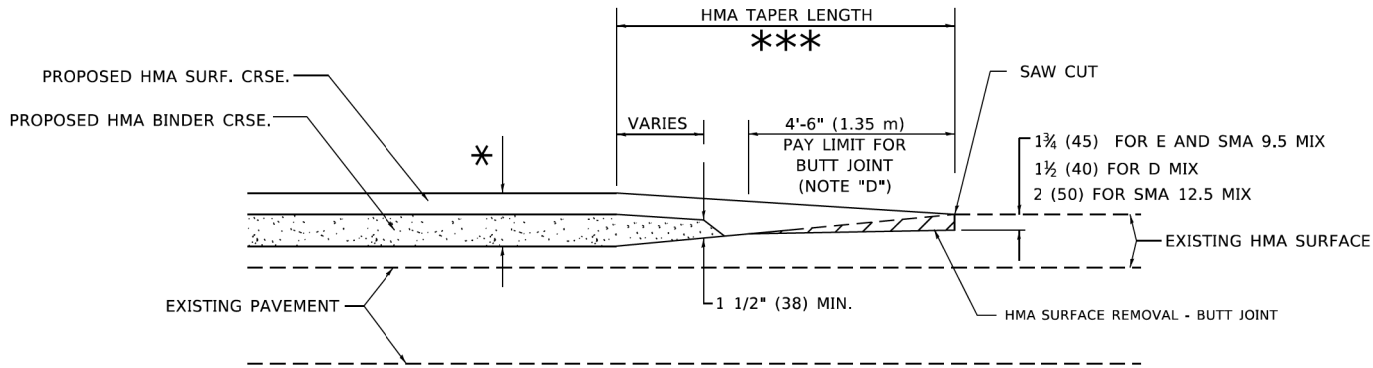
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

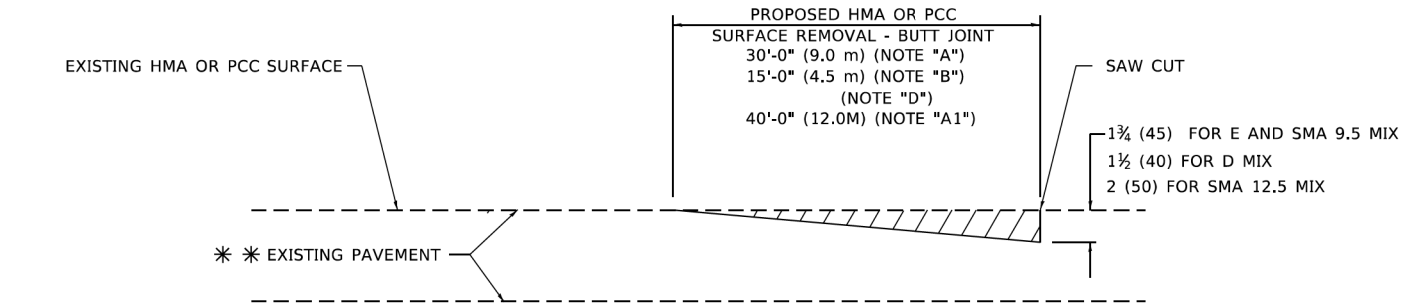
OPTION 2

TYPICAL TEMPORARY RAMP

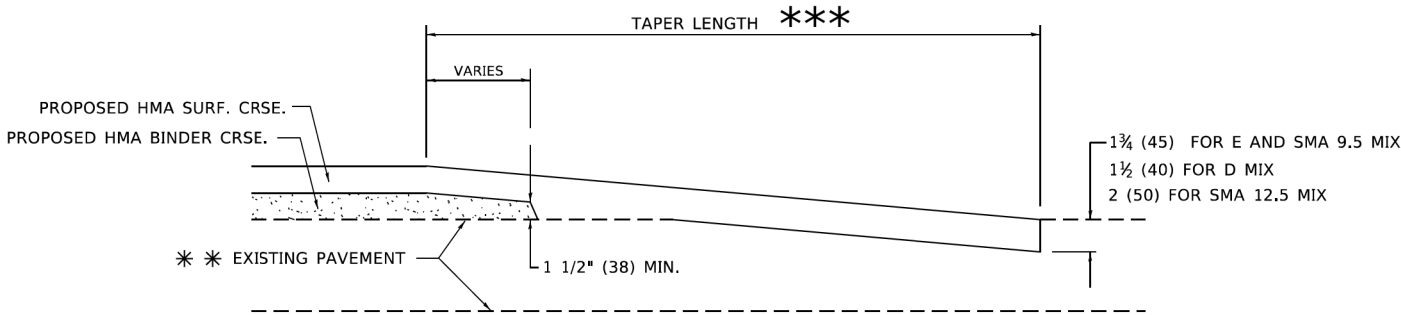


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

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

BASIS OF PAYMENT

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

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

MODEL Default
FILE Name: p:\allstate-cw-bentley.com\p\DOT\Documents\DOT Offices\District 1\Projects\Dis542323a\CADDData\CADsheets\bd32.dgn

| | | |
|-------------------------------|-----------------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - A. ABBAS 03-21-97 |
| | DRAWN - | REVISED - M. GOMEZ 04-06-01 |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - | REVISED - R. BORO 01-01-07 |
| PLOT DATE = 11/18/2022 | DATE - 06-13-90 | REVISED - K. SMITH 11-18-22 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------|----------------|---------------------------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 26 |
| BD400-05 BD-32 | | CONTRACT NO. 61L49 | | |
| | | ILLINOIS FED. AID PROJECT | | |



* TYPE III BARRICADES
WITH TWO FLASHING AMBER
LIGHTS ON EACH. (SEE NOTE

TYPE I OR TYPE II BARRICADES WITH ONE FLASHING AMBER LIGHT ON EACH, OR TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH. (SEE NOTE 1)

* COLLECTOR
SPEED LIMIT> 40 MPH (60 km/h)

**** LOCAL STREET; SPEED
LIMIT 40 MPH OR LESS**

200' (60 m)

W20-I103(0)

M6-4(0) 21"X15"

11

M6-1(0) 21"X15"
(SEE NOTE 4)

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

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


WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE

4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).


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

| | | | | | | | | | | | | |
|--|-------------------------------|-------------------|---------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------|---------------------|--------------|---------------------------|----------------|---------|--------------|-----------|
| | USER NAME = Lawrence.DeManche | DESIGNED - L.H.A. | REVISED - T. RAMMACHER 01-06-00 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | | | MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - A. SCHUETZE 07-01-13 | | | | | 2018 | 18-00086-00-BR | MCHENRY | 31 | 27 |
| | PLOT SCALE = 100,0000 " / in. | CHECKED - | REVISED - A. SCHUETZE 09-15-16 | | TC-10 | | | CONTRACT NO. 61L49 | | | | |
| | PLOT DATE = 5/3/2024 | DATE - 06-89 | REVISED - D. SENDERAK 05-03-24 | | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | |

MODEL Default
FILE Name: p:\w\0848\BENTEC\Illinois\gov\PIVDOT\Documents\DOT Offices\District 1\Projects\Dist5\0223-2-1\CADData\CAD\sheet\TC21.dgn



FOR U.S. ROUTES
M1-40-2424





FOR ILLINOIS ROUTES
M1-50-2424


MAIN STREET


R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND


ARROWS SIGNS


M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

NORTH

M3-1-2412

EAST

M3-2-2412

SOUTH

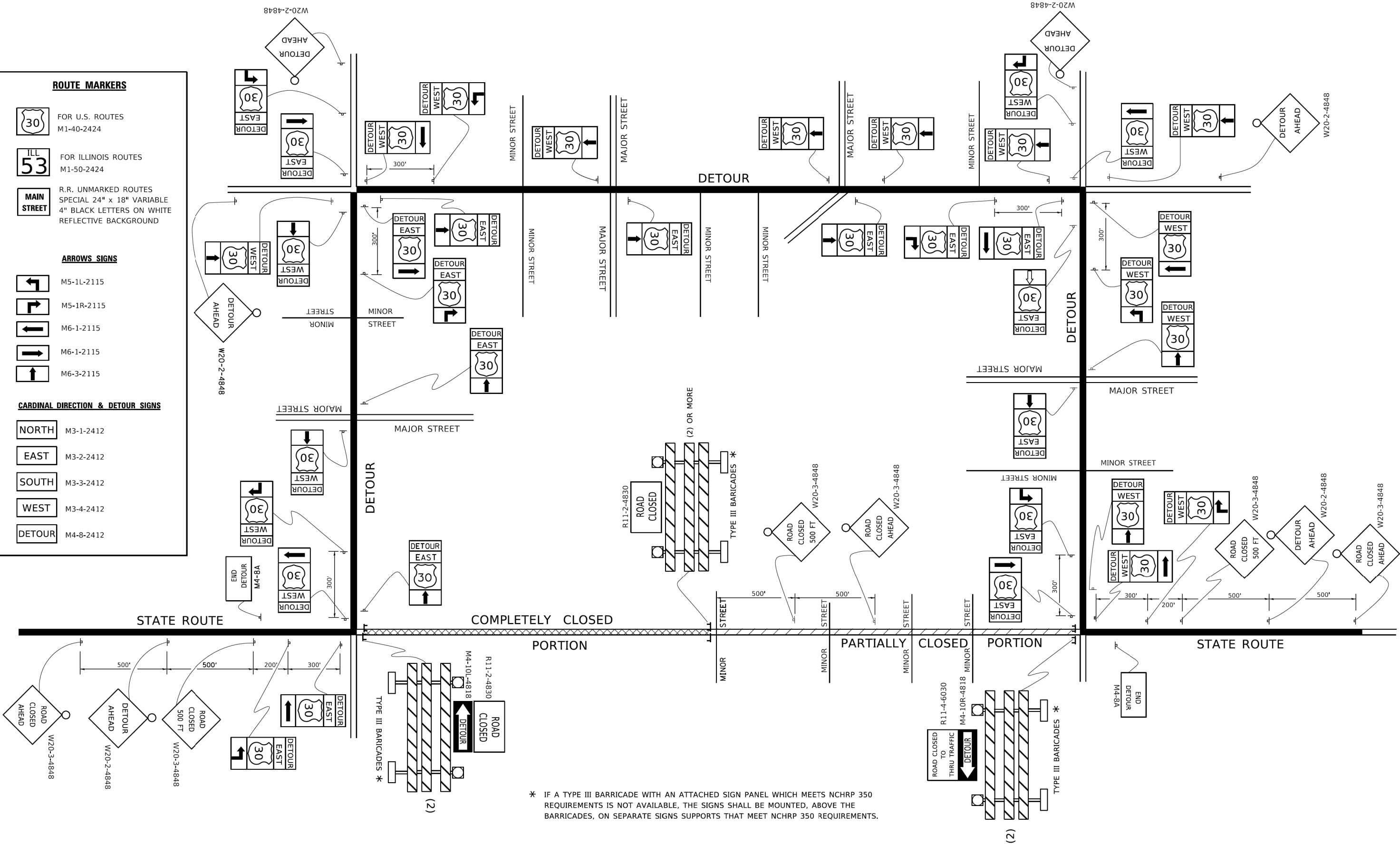
M3-3-2412

WEST

M3-4-2412

DETOUR

M4-8-2412



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

| | | | | |
|------------|-------------------|------------|-----------|------------------|
| USER NAME | = footemj | DESIGNED - | REVISED - | 10-18-02 |
| | | DRAWN - | REVISED - | R. BORO 09-14-09 |
| PLOT SCALE | = 50.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE | = 3/4/2019 | DATE - | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

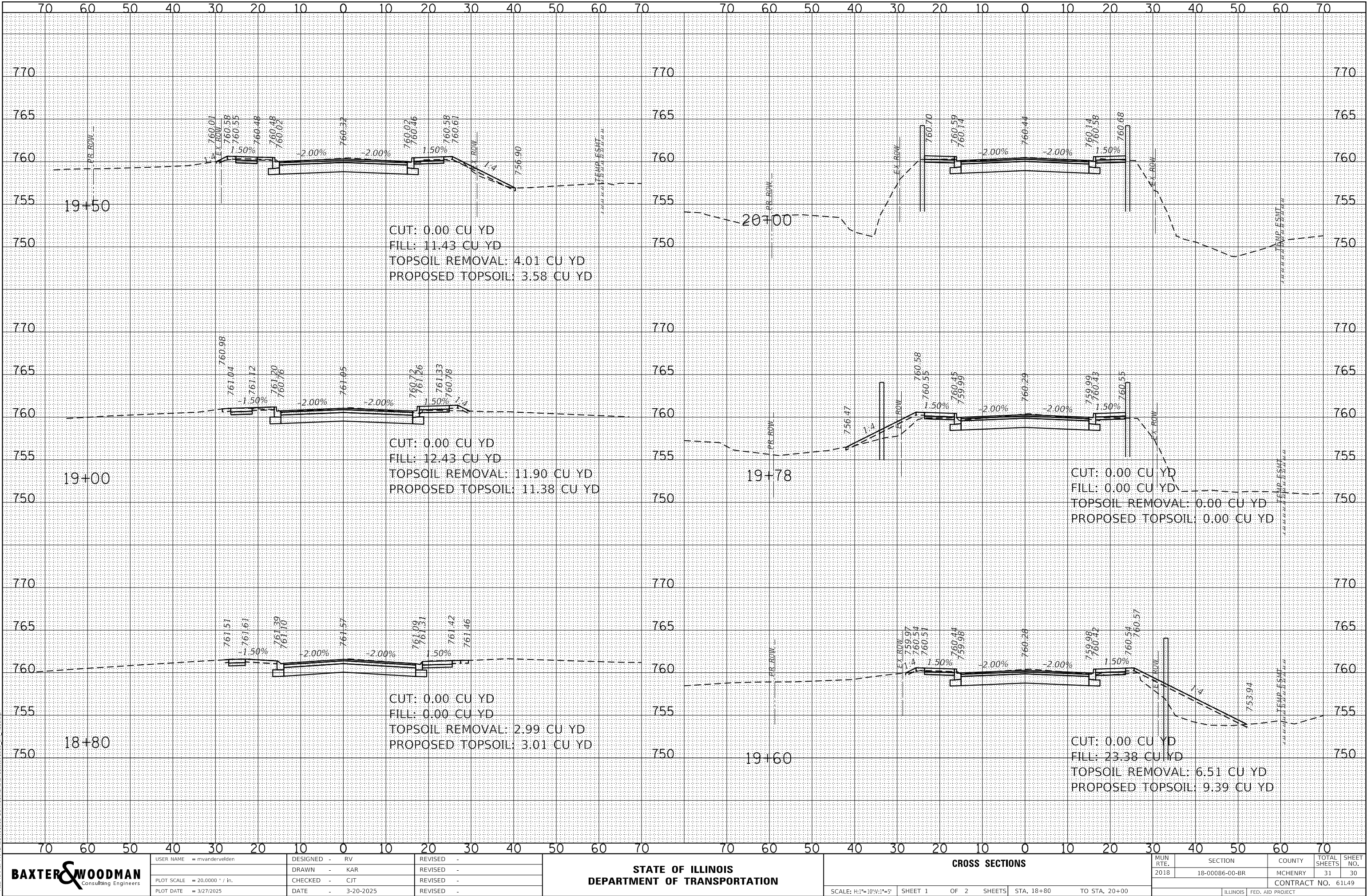
| DETOUR SIGNING FOR CLOSING STATE HIGHWAYS | | | |
|----------------------------------------------|---------|-------------|--------------|
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| MUN RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|----------------|--------------------|--------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 28 |
| TC-21 | | CONTRACT NO. 61L49 | | |
| ILLINOIS | | FED. AID PROJECT | | |

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

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

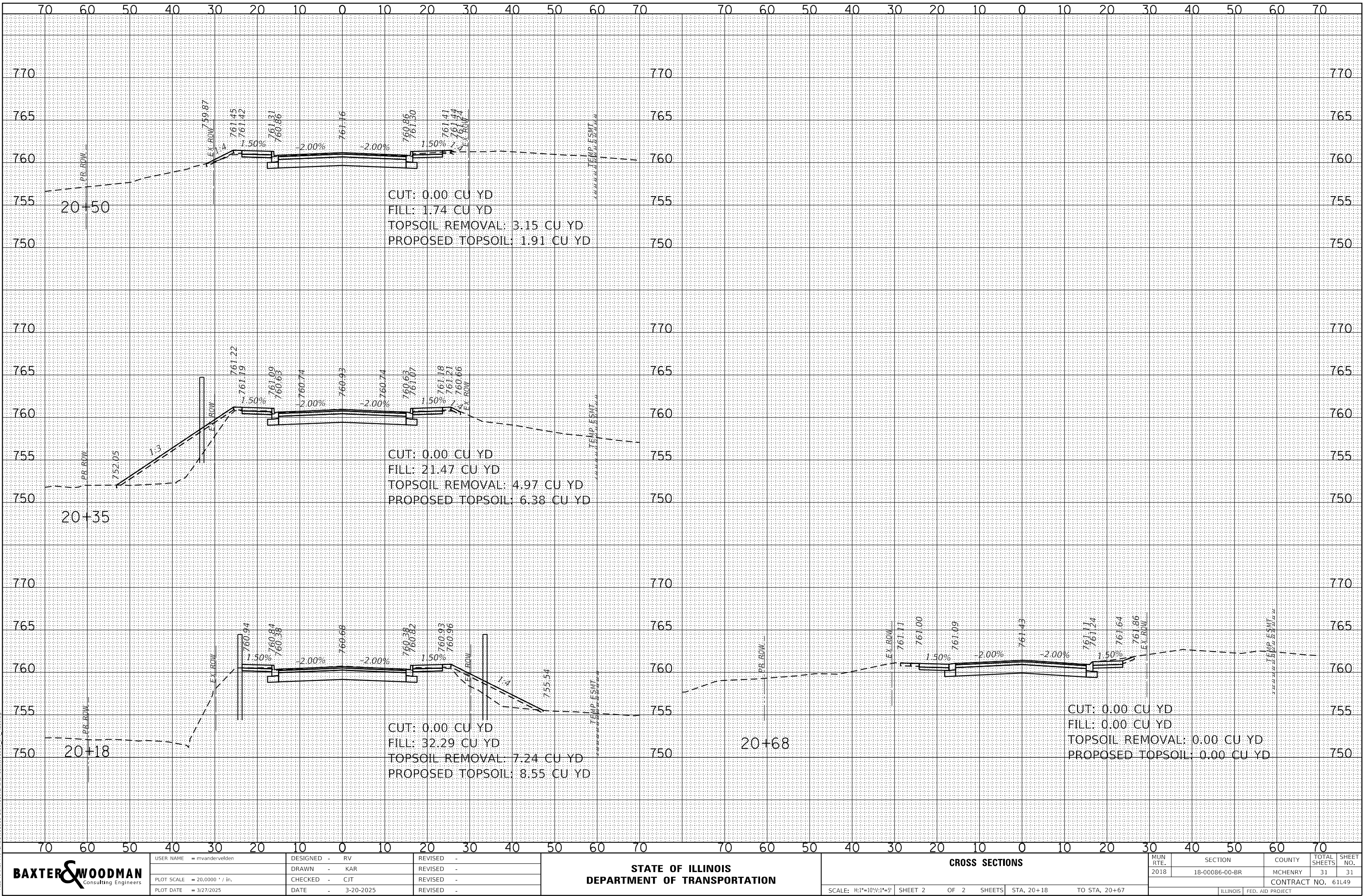
MODEL: Default
FILE NAME: P:\PROJECT\180086-00\180086-00.dwg
C:\Users\mrvandervelden\AppData\Local\Temp\180086-00.dwg



| | |
|-----------|------|
| FINAL | DATE |
| SURVEY | BY |
| PLOTTED | |
| NOTE BOOK | |
| AREAS | |
| CHECKED | |

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| ORIGINAL | DATE |
| SURVEY | BY |
| PLOTTED | |
| NOTE BOOK | |
| AREAS | |
| CHECKED | |

MODEL: Default
FILE NAME: P:\PROJECT\1800086-00-02-CONTRACT\CAD\SHEET\1800086-00-02-CONTRACT.dgn



BAXTER & WOODMAN
Consulting Engineers

| | | |
|------------------------------|------------------|-----------|
| USER NAME = mvandervelden | DESIGNED - RV | REVISED - |
| | DRAWN - KAR | REVISED - |
| PLOT SCALE = 20,0000 ' / in. | CHECKED - CJT | REVISED - |
| PLOT DATE = 3/27/2025 | DATE - 3-20-2025 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H:1"=10'V:1"=5' SHEET 2 OF 2 SHEETS STA. 20+18 TO STA. 20+67

| MUN. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|---------|------------------|-----------|
| 2018 | 18-00086-00-BR | MCHENRY | 31 | 31 |
| CONTRACT NO. 61L49 | | | | |
| ILLINOIS | | | FED. AID PROJECT | |