

03-10-2023 LETTING ITEM 081

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

TRAFFIC DATA

ADT: 2014 TRAFFIC
SOUWANAS TRAIL 15,070 VPD
SCHUETT STREET 8,870 VPD

ROADWAY	SPEED POSTED	DESIGN SPEED
SOUWANAS TRAIL	30 MPH	30 MPH
SCHUETT STREET	30 MPH	30 MPH

DESIGN DESIGNATION

FAU 4004 (SOUWANAS TRAIL) - MAJOR COLLECTOR
FAU 4003 (SCHUETT STREET) - MINOR COLLECTOR

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

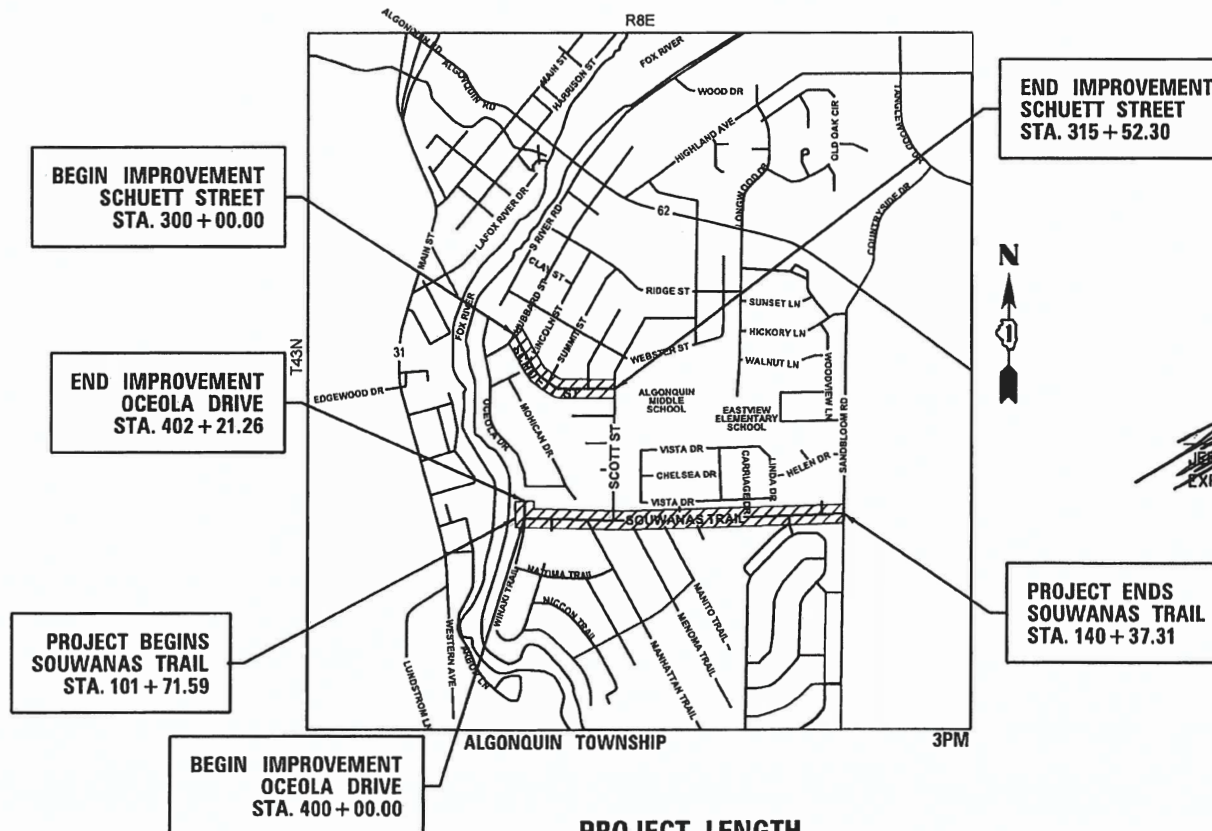
SOUWANAS TRAIL (FAU 4004)
FROM OCEOLA TRAIL TO SANDBLOOM ROAD
SCHUETT STREET (FAU 4003)
FROM SCOTT STREET TO HUBBARD STREET
RECONSTRUCTION
SECTION: 17-00092-00-PV
PROJECT NO.: 9132(817)
VILLAGE OF ALGONQUIN
MCHENRY COUNTY
C-91-098-22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00092-00-PV		MCHENRY	123	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO.	61H80	

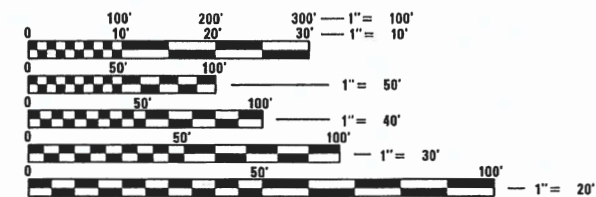
* 4003 & 4004



**PROJECT LOCATION MAP
N.T.S.**



PROJECT LENGTH
NET AND GROSS LENGTH OF PROJECT = 5,621 FT. = 1.07 MILES



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

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL



SEAL
JEFFREY J. STRZALKA, P.E.
EXPIRES: 11-30-23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 12/5/2022 2022
[Signature]
PUBLIC WORKS DIRECTOR, VILLAGE OF ALGONQUIN

PASSED JAN 10 2023
[Signature]
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID JANUARY 10, 2023
BASED ON LIMITED REVIEW [Signature]
REGIONAL ENGINEER

1391 CORPORATE DRIVE, SUITE 203 | MCHENRY, ILLINOIS 60050
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

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CONTRACT NO. 61H80

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VILLAGE STANDARDS

FIRE HYDRANT
INLET FILTER PROTECTION
DOMESTIC MAILBOX
MANHOLE COVER W/LOGO
VALVE AND VAULT
B6:12 CURB & GUTTER
CURB EXPANSION JOINT
FLARED END SECTION
RESIDENTIAL APRON
SANITARY MANHOLE
SANITARY SERVICE
SANITARY SERVICE - RISER
STREET SIGNAGE
SILTATION CONTROL FENCE
CATCH BASIN TYPES A & B
INLET TYPE A
STORM MANHOLE
SIDEWALK
TREE PROTECTION & ROOT PRUNING
TREE PLANTING
TRENCH SECTIONS
TRENCH ADJACENT TO PAVEMENT
WATER SERVICE
SANITARY SEWER REPAIR @ CROSSING
COMMERCIAL/INDUSTRIAL ENTRANCE
CATCH BASIN TYPE C
TEMPORARY GANG MAILBOX INSTALLATION
PRESSURE CONNECTION
SANITARY DROP MANHOLE
STORM STRUCTURES AT PIPE UNDERDRAINS
WATER MAIN LOWERING

GENERAL NOTES CONTINUED...

15. WORKING HOURS SHALL BE IN ACCORDANCE TO ARTICLE 107.35 OF THE STANDARD SPECIFICATIONS EXCEPT REPLACE AND ADD THE FOLLOWING TO THE SECOND PARAGRAPH: "THE CONTRACTOR SHALL BE CONFINED TO THE PERIOD BEGINNING AT 7 A.M. TO 8 P.M., MONDAY THROUGH SATURDAY. THE CONTRACTOR MAY ONLY WORK OUTSIDE THE CONFINED HOURS WITH WRITTEN PERMISSION OF THE VILLAGE. THIS TIME REGULATION SHALL NOT APPLY TO MAINTENANCE OR OPERATION OF SAFETY AND TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, SIGNS, AND LIGHTING, OR TO CONSTRUCTION OF AN EMERGENCY NATURE. WATER MAIN AND WATER SERVICE SHUT-OFFS AND DRIVEWAY CLOSURES MAY BE REQUIRED ON WEEKENDS AND/OR OFF HOURS, AS DIRECTED BY THE VILLAGE."
16. WHEN CONDITIONS ARE ENCOUNTERED WHERE THE EXCAVATION FOR STRUCTURE OR PIPE CANNOT BE KEPT FREE OF WATER FOR PROSECUTING THE WORK THE CONTRACTOR SHALL PUMP AND/OR DIVERT WATER TO ACCOMMODATE CONSTRUCTION ACTIVITIES.
17. STATE OF ILLINOIS PUBLIC ACT 094-0042 (CONSTRUCTION SITE TEMPORARY RESTROOM FACILITY ACT) STIPULATES THAT THE CONTRACTOR MUST PROVIDE AND MAINTAIN, FOR THEIR WORK FORCE, TEMPORARY RESTROOM FACILITIES. PLEASE REVIEW THIS ACT OR THE MOST RECENT UPDATE TO THE LEGISLATION IN ORDER TO HAVE A CLEAR UNDERSTANDING OF THE PROVISIONS OF THE ACT SUCH AS THE QUANTITY, TYPE, AND APPURTENANCES NECESSARY FOR THE PROJECT. PER THE LANGUAGE OF THE ACT THE VILLAGE HAS THE AUTHORITY TO PENALIZE THE CONTRACTOR IF THE PROVISIONS OF THE ACT ARE NOT FOLLOWED.
18. THIS CONTRACT SHALL CONSIST OF THE EXCLUSIVE CONTROL OF DUST RESULTING FROM CONSTRUCTION OPERATIONS AND IS NOT INTENDED FOR USE IN THE COMPACTION OF EARTH EMBANKMENTS, AS SPECIFIED UNDER ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS. DUST SHALL BE CONTROLLED BY THE UNIFORM APPLICATION OF SPRINKLED WATER AND SHALL BE APPLIED ONLY WHEN DIRECTED BY THE ENGINEER, IN A MANNER MEETING HIS APPROVAL. ALL EQUIPMENT USED FOR THIS WORK SHALL MEET THE ENGINEERS APPROVAL AND SHALL BE EQUIPPED WITH ADEQUATE MEASURING DEVICES FOR METERING THE EXACT AMOUNT OF WATER DISCHARGED. THIS WORK SHALL INCLUDE FURNISHING ALL LABOR, WATER AND EQUIPMENT FOR CONTROLLING DUST AS HEREIN SPECIFIED.
19. THE CONTRACTOR SHALL OBTAIN A WATER METER FROM THE VILLAGE OF ALGONQUIN TO USE WATER FOR DUST CONTROL, MIXING MORTAR, ETC. THE CONTRACTOR WILL PAY FOR THE QUANTITY OF WATER USED AND WILL NOT BE REIMBURSED FOR THE USE OF VILLAGE WATER.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING/CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF DAILY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL ALSO INCLUDE CLEANING THE SURROUNDING STREETS OF ANY DISCHARGES FROM VEHICLES ENTERING/EXITING THE WORK AREA. IF STREET CLEANING IS NOT COMPLETED AS REQUESTED BY THE VILLAGE, THE CONTRACTOR WILL BE ASSESSED A TRAFFIC CONTROL DEFICIENCY IN ACCORDANCE WITH SECTION 105.03 (B) OF THE STANDARD SPECIFICATIONS.
21. ALL AREAS THAT ARE TEMPORARILY SEEDED SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. THIS WORK SHALL INCLUDE MOWING SO THAT NO GRASS OR WEEDS EXCEED 8" IN HEIGHT.
22. ALL MATERIALS INCORPORATED INTO THIS PROJECT MUST BE INSPECTED AND TESTED FOR COMPLIANCE WITH THE REQUIREMENTS OF THE IDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, RECURRING SPECIAL PROVISIONS, CONTRACT SPECIAL PROVISIONS, AND THE IDOT PROJECT PROCEDURES GUIDE. THE VILLAGE WILL RETAIN A CONSULTANT TO MANAGE THE QUALITY ASSURANCE (QA) REQUIREMENTS FOR HOT-MIX ASPHALT (HMA) AND PORTLAND CEMENT CONCRETE (PCC) ITEMS; QA PLANT, FIELD, AND LAB TESTS; AND REPORTING THE RESULTS. THE CONTRACTOR WILL BE REQUIRED TO NOTIFY BOTH THE VILLAGE AND THE QA CONSULTANT A MINIMUM OF 48 HOURS PRIOR TO ANY DELIVERY OF HMA OR PCC MATERIALS TO THE PROJECT SITE. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE CAUSE FOR IMMEDIATE REJECTION OF THE HMA OR PCC MATERIAL AND LOSS OF WORKING DAYS, WHICH SHALL BE AT NO COST TO THE CONTRACT. NO EXTENSION TO COMPLETION DATES SHALL BE GRANTED AS A RESULT OF NON-COMPLIANCE. QUALITY CONTROL (QC) ASPECTS OF THE WORK SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

DISTRICT ONE DETAILS

STANDARD NO.	LIST OF DESCRIPTION
BD-07	STORM SEWER CONNECTION TO EXISTING SEWER
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES

1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT THEM TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
4. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
5. ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
6. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS/HER AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
7. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
8. SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS AND SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE IN THE PORTION REMAINING. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND NOT CONSIDERED ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE THICKNESS OF THE EXISTING PAVEMENT AND WHETHER OR NOT IT CONTAINS REINFORCEMENT.
9. DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. UNLESS OTHERWISE NOTED.
10. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
11. COMBINATION CURB AND GUTTER REMOVAL INCLUDES REMOVAL OF EXISTING COMBINATION CURB AND GUTTER, REGARDLESS OF CURB AND GUTTER TYPE.
12. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
13. ALL SIGNS TO BE REMOVED ALONG THE PROJECT SHALL REMAIN THE PROPERTY OF THE VILLAGE OF ALGONQUIN AND SHALL BE RETURNED TO THE VILLAGE UPON REMOVAL.
14. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN CONSENT FROM THE VILLAGE OF ALGONQUIN.

STORM SEWERS, WATER MAINS, AND UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
2. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
4. THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE OF ALGONQUIN IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE VILLAGE WITHIN THE DURATION OF THE CONTRACT.
5. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE INSTALLATION ADJUSTMENT OR RECONSTRUCTION.
6. ALL FRAMES, GRATES, LIDS, HYDRANTS AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY AND BE DELIVERED TO THE VILLAGE OF ALGONQUIN AT 110 MEYER DRIVE, AS APPLICABLE.
7. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS AS PART OF THE STRUCTURE INSTALLATION, ADJUSTMENT OR RECONSTRUCTION.
8. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: VILLAGE OF ALGONQUIN. ALL LIDS TO BE USED ON WATER STRUCTURES SHALL BEAR THE WORD "WATER." ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "SANITARY."
9. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 8' IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-08	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
878001-11	CONCRETE FOUNDATION DETAILS

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-871-gen01.dgn
 PLOT NUMBER: 17425-871-01-11-11
 PER TABLE: 17425-871-01-11-11



USER NAME = jstrzol	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, DISTRICT 1 DETAILS, STATE STANDARDS & GEN NOTES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	2
	4003, 4004	CONTRACT NO.	61H80	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES CONTINUED...

- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES.
- ALL STORM SEWER CLASS A WATER MAIN REQUIREMENTS, SHALL BE PVC C-909 PIPE WITH WATERTIGHT GASKET MEETING THE REQUIREMENTS OF ASTM C361, WATER MAIN REQUIREMENTS.
- GRATING FOR CONCRETE FLARED END SECTIONS WILL BE REQUIRED ON ALL FLARED END SECTIONS IN ACCORDANCE WITH SECTION 542 OF THE STANDARD SPECIFICATIONS.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS, OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO THE USE OF THE WATER.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

BACKFILL

- STORM SEWERS, SANITARY SEWERS AND WATER MAINS SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER AND PIPE CULVERTS HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.
- TRENCH BACKFILL MATERIAL SHALL CONSIST OF CA-6 CRUSHED STONE OR CRUSHED AGGREGATE.
- THE CONTRACTOR SHALL FILL THE HOLES CREATED BY THE REMOVAL OF THE DRIVEWAY PAVEMENT WHERE NEW STORM SEWER, SANITARY SEWER OR WATER MAIN HAVE BEEN INSTALLED WITH AGGREGATE BASE COURSE (CA-6) CRUSHED SO THAT THE RESIDENTS CAN USE THEIR DRIVEWAYS UNTIL THE START OF DRIVEWAY REPLACEMENT. THE AGGREGATE BASE COURSE ABOVE THE TRENCH WILL BE TRENCH BACKFILL.
- TRENCH BACKFILL IS REQUIRED TO FILL AREAS OF STORM SEWER OR WATER MAIN REMOVAL WHERE THERE IS NO REPLACEMENT.

SIGNING AND STRIPING

- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING "FRESH OIL" SIGNS (48"x48" MINIMUM) AS NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGNS IN THE PARKWAY TWENTY-FOUR (24) HOURS PRIOR TO STARTING WORK ON EACH STREET. THE SIGNS SHALL READ "FRESH OIL, TRAVEL AT YOUR OWN RISK." THE CONTRACTOR SHALL REMOVE THE SIGNS AND REINSTALL THEM AS NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING VEHICLES OFF THE STREETS AS NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGNS IN THE PARKWAY TWENTY-FOUR (24) HOURS PRIOR TO STARTING WORK ON EACH STREET. THE SIGNS SHALL READ "NO PARKING, 7:00 AM - 7:00 PM" AND STATE THE DAY OR DAYS OF THE WEEK WORK WILL BE DONE. IMMEDIATELY FOLLOWING EACH STAGE OF WORK ON EACH STREET, THE CONTRACTOR SHALL REMOVE THE SIGNS AND REINSTALL THEM AS NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING ROAD CONSTRUCTION AHEAD SIGNS (48" X 48" MINIMUM) AS NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGNS IN THE PARKWAY SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING WORK IN A PARTICULAR AREA. THE CONTRACTOR SHALL REMOVE THE SIGNS AND REINSTALL THEM AS NEEDED.
- ALL SIGNS TO BE REMOVED ALONG THE PROJECT SHALL REMAIN THE PROPERTY OF THE VILLAGE OF ALGONQUIN AND SHALL BE RETURNED TO THE VILLAGE UPON REMOVAL.

CURB AND GUTTER

- THE MINIMUM GUTTER FLAG DEPTH OF THE NEW GUTTER WILL BE NINE INCHES (9") REGARDLESS OF THE SIZE AND TYPE OF THE EXISTING CURB AND GUTTER.
- INSTALL 2-10" #5 REINFORCING BARS CENTERED ON ALL TRENCH CROSSINGS.
- EXPANSION JOINTS SHALL BE CONSTRUCTED ACCORDING TO THE CURB EXPANSION DETAIL, AT EVERY SIXTY FEET (60') AND AT POINTS OF TANGENCY TO RADIUS.
- WHERE NEW CURB AND GUTTER MEETS EXISTING CURB AND GUTTER TO REMAIN, THE GUTTERS SHALL BE CONNECTED WITH TWO 5/8" DIAMETER REINFORCING BARS, TWELVE INCHES (12") LONG. HOLES 5/8" IN DIAMETER SHALL BE DRILLED SIX INCHES (6") INTO THE EXISTING CONCRETE CURB AND GUTTER PRIOR TO DRIVING REINFORCING BARS INTO PLACE.
- CONSTRUCTION JOINTS SHALL BE SAWCUT EVERY TEN FEET (10') MAXIMUM, TO A DEPTH OF A HALF INCH.
- ALL CURBS SHALL HAVE A MINIMUM OF FOUR INCHES (4") OF COMPACTED GRADE 9.

- VISUAL INSPECTION OF STRING LINE OR FORMS SHALL BE CONDUCTED PRIOR TO THE INSTALLATION OF ANY CONCRETE UPON TWENTY-FOUR (24) HOURS NOTICE FROM THE CONTRACTOR. THE CONTRACTOR WILL NOT BE PERMITTED TO COVER THE LAYER BEING REVIEWED UNTIL WRITTEN NOTICE HAS BEEN RECEIVED FROM THE ENGINEER. SEGMENTS OF CURB CONSTRUCTION MAY BE SEQUENCED APPROPRIATELY TO PERMIT CONTINUOUS CONSTRUCTION OPERATIONS.

SIDEWALKS

- VISUAL INSPECTION OF STRING LINE OR FORMS SHALL BE CONDUCTED PRIOR TO THE INSTALLATION OF ANY CONCRETE UPON TWENTY-FOUR (24) HOURS NOTICE FROM THE CONTRACTOR. THE CONTRACTOR WILL NOT BE PERMITTED TO COVER THE LAYER BEING REVIEWED UNTIL WRITTEN NOTICE HAS BEEN RECEIVED FROM THE ENGINEER. SEGMENTS OF SIDEWALK CONSTRUCTION MAY BE SEQUENCED APPROPRIATELY TO PERMIT CONTINUOUS CONSTRUCTION OPERATIONS.
- A FULL LUMBER SETUP WILL BE REQUIRED.
- PCC SIDEWALK 5-INCH SHALL BE A MINIMUM OF 5-INCHES THICK, AND INCREASED TO 6-INCHES ACROSS RESIDENTIAL DRIVEWAYS, AND 8-INCHES ACROSS THE WATER TREATMENT PLANT ENTRANCES.

EARTHWORK

- EARTHWORK FOR THE PROPOSED CONCRETE CURB AND GUTTER, REGARDLESS OF TYPE, WILL BE COMPLETED USING THE PAY ITEM FOR EXCAVATING AND GRADING EXISTING SHOULDER, (SPECIAL).
- TOPSOIL EARTHWORK FOR INSTALLATION OF PROPOSED CONCRETE SIDEWALK WILL BE COMPLETED USING THE PAY ITEM FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
- THE ENGINEER WILL COMPLETE A STRING-LINE REVIEW OF THE STABILIZED SUBBASE UPON TWENTY-FOUR (24) HOURS NOTICE FROM THE CONTRACTOR. THE CONTRACTOR WILL NOT BE PERMITTED TO COVER THE LAYER BEING REVIEWED UNTIL WRITTEN NOTICE HAS BEEN RECEIVED FROM THE ENGINEER. SEGMENTS OF ROAD CONSTRUCTION MAY BE SEQUENCED APPROPRIATELY TO PERMIT CONTINUOUS CONSTRUCTION OPERATIONS.
- FOLLOWING ACCEPTANCE OF THE STRING-LINE REVIEW BY THE ENGINEER, THE CONTRACTOR SHALL PERFORM A PROOF ROLL OF THE STABILIZED SUBBASE WITH A LOADED SIX-WHEELER IN THE PRESENCE OF THE ENGINEER AND THE VILLAGE. A WEIGHT TICKET WILL BE REQUIRED. THE PROOF ROLL CANNOT BE SCHEDULED WHEN THERE IS GREATER THAN A FIFTY PERCENT (50%) CHANCE OF RAIN IN THE FORECAST FOR THE SUBSEQUENT FORTY-EIGHT (48) HOURS AFTER THE PROOF ROLL IN ORDER TO PERMIT THE CONTRACTOR ENOUGH TIME TO TAKE ANY NOTED REMEDIAL ACTION.
- 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 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.
- IN ACCORDANCE WITH APPENDIX B.5 OF IDOT'S GEOTECHNICAL MANUAL, THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A REPORT TO THE IDOT GEOTECHNICAL UNIT SPECIFYING THE TEST RESULTS AND MIX DESIGN CRITERIA FOR THE APPLICATION AND MIXING OF CEMENT STABILIZATION. THE CONTRACTOR MAY PROCEED WITH THE WORK UPON CONCURRENCE FROM IDOT.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTORS VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 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.

PAVING

- LONGITUDINAL CONSTRUCTION JOINTS WILL NOT BE PERMITTED.
- TRANSVERSE CONSTRUCTION JOINTS WILL BE ALLOWED DURING PAVING PROVIDED THE CONTRACTOR COMPLETE A SAWCUT AT LEAST SIX INCHES INTO THE ADJACENT MAT AT THE START OF PAVING THE FOLLOWING DAY.
- CONSTRUCTION JOINTS THAT SIT OVERNIGHT WILL REQUIRE CRACK ROUTING AND SEALING UPON COMPLETION OF SURFACE COURSE CONSTRUCTION. JOINT SEALANT SHALL MEET THE REQUIREMENTS OF ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.

SEDIMENTATION AND EROSION CONTROL

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT 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 ALONG THE LENGTH OF ANY UTILITY 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 DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT 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 NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN 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 STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR 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 DRAINAGE 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 SEWER. 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, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER AND THE WILL COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. 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 DEVELOPMENT 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. 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 DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.
- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OR CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
- A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION. ANY PUBLIC ROW, STREET, ALLEY OR PARKING LOT NOT CLEANED TO THE SATISFACTION OF THE ENGINEER AT THE END OF EACH WORK DAY WILL BE SUBJECT TO AN EROSION CONTROL DEFICIENCY.
- DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.
- ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY WITHIN THE EXISTING ROW AND/OR EASEMENT.
- DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

LANDSCAPING

- TREES TO BE PROTECTED DURING CONSTRUCTION WILL BE IDENTIFIED BY THE ENGINEER AND RECEIVE PROTECTION IN ACCORDANCE WITH THE DETAILS PROVIDED IN THE PLANS.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLANT MATERIAL WITH THE INSTALLATION OF OTHER IMPROVEMENTS SUCH AS HARDSCAPE ELEMENTS AND RELATED STRUCTURES. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER AND VILLAGE FOR APPROVAL. FINAL LOCATION AND STAKING OF ALL PLANT MATERIALS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND VILLAGE IN ADVANCE OF PLANTING. IF CONFLICTS ARISE BETWEEN THE SIZE OF AREAS AND PLANS, THE CONTRACTOR IS REQUIRED TO CONTACT THE RESIDENT ENGINEER FOR RESOLUTION PRIOR TO INSTALLATION.
- ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1-2004). PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES. PLANTS PLANTED IN ROWS OR GROUPS SHALL BE MATCHED IN FORM. PLANTS SHALL NOT BE ROOT-BOUND OR LOOSE IN THEIR CONTAINERS. HANDLE ALL PLANTS WITH CARE IN TRANSPORTING, PLANTING AND MAINTENANCE UNTIL INSPECTION AND FINAL ACCEPTANCE.

HRG PROJECT NO: 17425
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 HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-971-gen02.dgn
 PEN TABLE: 17425.tbl



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 SOUWANAS TRAIL & SCHUETT STREET**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	3
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

GENERAL NOTES CONTINUED...

SEQUENCE OF CONSTRUCTION

1. THE FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION. THE CONTRACTOR WILL BE ALLOWED TO MODIFY THE PROPOSED SEQUENCE PROVIDED ACCESS TO THE RESIDENTS IS AVAILABLE AT THE END OF EACH DAY.
2. THE CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER CAUSING MINIMAL INCONVENIENCE TO THE RESIDENTS AND MOTORING PUBLIC. ON STREETS WHERE CURB AND GUTTER IS TO BE CONSTRUCTED, STORM SEWER INSTALLED, SANITARY SEWERS INSTALLED, WATER MAIN INSTALLED, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE SIDE OF THE STREET ONLY. ONCE THE CURB AND GUTTER AND/OR UTILITY IS COMPLETE, THE CONTRACTOR MAY MOVE TO THE OTHER SIDE OF THE STREET TO START THE CURB AND GUTTER AND UTILITY CONSTRUCTION.
3. THE CONTRACTORS SUPERINTENDENT AND THE RESIDENT ENGINEER WILL BE REQUIRED TO WORK TOGETHER WITH THE AFFECTED RESIDENTS IN PLANNING THEIR CONSTRUCTION SCHEDULE SO AS TO MINIMIZE THE INCONVENIENCE AND MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE RESIDENT ENGINEER AND/OR THE VILLAGE RESERVE THE RIGHT TO RESTRICT WORK ON A PAVEMENT SEGMENT IF CONSTRUCTION OPERATIONS IN OTHER CONSTRUCTION ZONES ARE UNACCEPTABLE.
4. AT THE PRECONSTRUCTION MEETING, THE CONTRACTOR SHALL FURNISH THE NAME AND TELEPHONE NUMBER WHERE HE MAY BE REACHED DURING NON-WORKING HOURS OF THE INDIVIDUAL IN HIS DIRECT EMPLOY THAT IS TO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE TRAFFIC CONTROL OF THIS PROJECT. IF THE ACTUAL INSTALLATION AND MAINTENANCE ARE TO BE ACCOMPLISHED BY A SUBCONTRACTOR, CONSENT SHALL BE REQUESTED OF THE ENGINEER AT THE TIME OF THE PRECONSTRUCTION MEETING IN ACCORDANCE WITH ARTICLE 108.01 OF THE STANDARD SPECIFICATIONS. THIS SHALL NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS TO HAVE A RESPONSIBLE INDIVIDUAL IN HIS DIRECT EMPLOY SUPERVISE THIS WORK.
5. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY RESIDENTS AND THE VILLAGE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CONCRETE CURB AND GUTTER CONSTRUCTION OR UTILITIES ARE TO BE INSTALLED ACROSS A DRIVEWAY. THE CONTRACTOR SHALL CONTACT THE HOMEOWNER 48 HOURS PRIOR TO REMOVING THE PAVEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES (KNOCK ON DOORS WHEN A DRIVEWAY IS ABOUT TO BE CLOSED).
6. THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE A DRIVEWAY FOR MORE THAN 72 HOURS UNDER ANY CIRCUMSTANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BARRICADES TO PREVENT TRAFFIC FROM USING DRIVEWAYS DURING THIS PERIOD. ACCESS TO DRIVEWAYS AND STREET PARKING WILL BE RESTRICTED TO ONE SIDE OF THE STREET AT A TIME.
7. THE CONTRACTOR WILL BE REQUIRED TO COMMENCE PROCESSING SOIL-CEMENT BASE COURSE ON EACH ROADWAY WITHIN THREE (3) CALENDAR DAYS UPON COMPLETION OF HOT-MIX ASPHALT SURFACE REMOVAL ON EACH STREET.
8. THE CONTRACTOR WILL BE REQUIRED TO COMMENCE INSTALLATION OF THE HMA BINDER COURSE ON EACH ROADWAY WITHIN FIVE (5) CALENDAR DAYS UPON COMPLETION OF CEMENT STABILIZATION ON EACH STREET.

COMMITMENTS

1. PROCESSING SOIL CEMENT BASE COURSE OPERATIONS MUST FOLLOW STEPS OUTLINED IN APPENDIX B.5 OF IDOT'S GEOTECHNICAL MANUAL WHICH INCLUDES THE CONTRACTOR MUST PREPARE AND SUBMIT A REPORT SPECIFYING TEST RESULTS, MIX DESIGN CRITERIA, ETC., TO IDOT'S GEOTECHNICAL UNIT FOR REVIEW AND APPROVAL.
2. THE PRECAST 3-SIDED CULVERT SHOULD BE CONSTRUCTED FROM THE ROADWAY PAVEMENT. CONTRACTOR SHALL NOT DISTURB THE CREEK OUTSIDE OF THE SOUWANAS TRAIL ROW.
3. TREE REMOVAL WILL BE RESTRICTED BETWEEN APRIL 1 AND SEPTEMBER 30.

HRG PROJECT NO: 17425
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 SOUWANAS TRAIL & SCHUETT STREET**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	4
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
† 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	47	47		
† 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	267	267		
20101000	TEMPORARY FENCE	FOOT	1,725.0	1,725.0		
• 20101200	TREE ROOT PRUNING	EACH	5	5		
† 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5		
† 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,275	1,275		
20400800	FURNISHED EXCAVATION	CU YD	50	50		
20800150	TRENCH BACKFILL	CU YD	8,459	8,459		
20900110	POROUS GRANULAR BACKFILL	CU YD	3	3		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	332.0	332.0		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	16,800.0	16,800.0		
• † 25000110	SEEDING, CLASS 1A	ACRE	3.50	3.50		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRC PROJECT NO. 17425
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 1	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	5
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
* † 25000310	SEEDING, CLASS 4	ACRE	0.25	0.25		
† 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	320	320		
† 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	320	320		
* † 25200200	SUPPLEMENTAL WATERING	UNIT	3	3		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	350	350		
28000305	TEMPORARY DITCH CHECKS	FOOT	200.0	200.0		
28000400	PERIMETER EROSION BARRIER	FOOT	5,915.0	5,915.0		
28000510	INLET FILTERS	EACH	61	61		
28100209	STONE RIPRAP, CLASS A5	TON	248	248		
28200200	FILTER FABRIC	SQ YD	72.0	72.0		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	110	110		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	155.0	155.0		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	156	156		

* SPECIAL PROVISION
† SPECIALTY ITEM

HRG PROJECT NO. 17/25
 HRG PROJ. CONTACT:
 FILE NAME: 17/25-017-Subdrain
 PLOT NUMBER: K:\2017\17-00092-00-PV
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 2	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
* 4003, 4004	17-00092-00-PV	MCHENRY	123	6
CONTRACT NO. 61H80			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	4,200.0	4,200.0		
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	3,284.0	3,284.0		
† 35200420	PROCESSING SOIL CEMENT BASE COURSE, 12 INCH	SO YD	16,560.0	16,560.0		
† 35200500	CEMENT	100 WT	3,020	3,020		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,617	3,617		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	306.0	306.0		
* 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,385	2,385		
* 40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,460	1,460		
* 42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	1,140.0	1,140.0		
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	27,470.0	27,470.0		
* 42400800	DETECTABLE WARNINGS	SO FT	330.0	330.0		
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SO YD	16,560.0	16,560.0		
* 44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	1,160.0	1,160.0		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRC PROJECT NO. 17425
 HRC PROJ CONTACT:
 FILE NAME: 17425-011-0001.dgn
 PLOT DRIVER: L:\ppl\lrc\lrc16
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 3	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
* 4003, 4004	17-00092-00-PV	MCHENRY	123	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	8,805.0	8,805.0		
44000600	SIDEWALK REMOVAL	SQ FT	7,930.0	7,930.0		
50105220	PIPE CULVERT REMOVAL	FOOT	480.0	480.0		
50200100	STRUCTURE EXCAVATION	CU YD	690	690		
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	690	690		
50300225	CONCRETE STRUCTURES	CU YD	25.3	25.3		
50300285	FORM LINER TEXTURED SURFACE	SO FT	1,006.0	1,006.0		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,990	1,990		
52200800	SEGMENTAL CONCRETE BLOCK WALL	SO FT	1,190.0	1,190.0		
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1		
54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	1	1		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	75.0	75.0		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRC PROJECT NO.: 17425
 HRC PROJ. CONTACT: [unreadable]
 HRC DRAWING NO.: [unreadable]
 HRC DATE: 12/19/2022
 PEN TABLE: [unreadable]



USER NAME : jstrzal	DESIGNED - JS	REVISED -
PLT SCALE : 2.0000' / 1"	DRAWN - DMS	REVISED -
PLT DATE : 12/19/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 4	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 000 4	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	87.0	87.0		
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	47.0	47.0		
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	7.0	7.0		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	837.0	837.0		
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	65.0	65.0		
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	779.0	779.0		
55100500	STORM SEWER REMOVAL 12"	FOOT	1,255.0	1,255.0		
55100700	STORM SEWER REMOVAL 15"	FOOT	715.0	715.0		
55100900	STORM SEWER REMOVAL 18"	FOOT	405.0	405.0		
55101900	STORM SEWER REMOVAL 48"	FOOT	75.0	75.0		
* + 56101150	DUCTILE IRON WATER MAIN REDUCER, 8" X 6"	EACH	3		3	
* + 56101156	DUCTILE IRON WATER MAIN REDUCER, 10" X 8"	EACH	1		1	
* + 56103000	DUCTILE IRON WATER MAIN, 6"	FOOT	55.0		55.0	

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRG PROJECT NO. 17425
 FILE NAME: 17425.dwg
 PLOT DRIVER: E:\DWG\DWGPRN.DWG
 PEN TABLE: P10.tbl



USER NAME : jstzml	DESIGNED - JS	REVISED -
PLOT SCALE : 2.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE : 12/19/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 5	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 000 4	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
• † 56103100	DUCTILE IRON WATER MAIN, 8"	FOOT	1,989.0		1,989.0	
• † 56103200	DUCTILE IRON WATER MAIN, 10"	FOOT	1,206.0		1,206.0	
• † 56103300	DUCTILE IRON WATER MAIN, 12"	FOOT	25.0		25.0	
• † 56105000	WATER VALVES 8"	EACH	11		11	
• † 56105100	WATER VALVES 10"	EACH	3		3	
• † 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3		3	
• † 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4		4	
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	2.0	2.0		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	5,170	5,170		
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	700.0	700.0		
• 60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4		
• 60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
• 60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	15	15		

* SPECIAL PROVISION
† SPECIALTY ITEM

HIG PROJECT NO. 17425
 HIG PROJ. CONTACT:
 FILE NAME: 17425-001-0001.dgn
 PEN TABLE: 0010004.tbl



USER NAME : jstzai	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE : 2.0000 "/>		
PLOT DATE : 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	10
• 4003, 4004			CONTRACT NO. 61H80	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 000 4	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2		
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	6	6		
60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	6	6		
60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1		
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
60224458	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	4	4		
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	23	23		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 PLOT DATE: 12/19/2022
 PEN TABLE: 00100841/01



USER NAME : jtrzat	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE : 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE : 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 7 OF 14 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	11
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
• † 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11		11	
• † 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		3	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1		
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1		
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60260100	INLETS TO BE ADJUSTED	EACH	1	1		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1		
60402210	GRATES, TYPE 8	EACH	1	1		
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	16	16		
60500040	REMOVING MANHOLES	EACH	13	13		
60500050	REMOVING CATCH BASINS	EACH	2	2		
60500060	REMOVING INLETS	EACH	25	25		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	8,232.0	8,232.0		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRG PROJECT NO. 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-01-1-1000.dwg
 PLOT DRIVER: &...pdf...
 PEN TABLE: 001.tbl



USER NAME : jstrzel	DESIGNED - JS	REVISED -
PLOT SCALE * 2.0000 "/> <td>DRAWN - DMS</td> <td>REVISED -</td>	DRAWN - DMS	REVISED -
PLOT DATE * 12/19/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET B	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
* 4003, 4004	17-00092-00-PV	MCHENRY	123	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
63200310	GUARDRAIL REMOVAL	FOOT	260.0	260.0		
67100100	MOBILIZATION	L SUM	1	1		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	144	144		
+ 72000100	SIGN PANEL - TYPE 1	SO FT	34.0	34.0		
+ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	72.0	72.0		
+ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6		
+ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	760.0	760.0		
+ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	405.0	405.0		
+ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	145.0	145.0		
* + A2003120	TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6		
* + A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6		
* + B0001716	TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5		
* + B2006116	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRC PROJECT NO. 17425
 HRC PROJECT FILE NAME: 17425-01-17425.dgn
 PLOT DRIVER: &_pdf.dwg
 PEN TABLE: p01.tbl



USER NAME : jsteele	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE : 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE : 1/9/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES		
SOUWANAS TRAIL & SCHUETT STREET		
SCALE: NTS	SHEET 9 OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
* † K1005481	SHREDED BARK MULCH 3"	SQ YD	100.0	100.0		
• X0100003	CLEARING AND GRUBBING	SQ YD	940.0	940.0		
• X0322463	CONNECTION TO EXISTING SEWER	EACH	19	19		
• X0322936	REMOVE EXISTING FLARED END SECTION	EACH	6	6		
* † X0323449	REMOVE EXISTING WATER VALVE	EACH	7		7	
* † X0326713	SANITARY SEWER CONNECTION	EACH	4			4
• X0326806	WASHOUT BASIN	L SUM	1	1		
• X0327301	RELOCATE EXISTING MAILBOX	EACH	16	16		
• X0327576	TEMPORARY PATCHING	SQ YD	1,000.0	1,000.0		
* † X0327747	WATER MAIN ENCASEMENT	FOOT	205.0		205.0	
* † X0327999	ANTI-GRAFFITI COATING	SQ FT	1,006.0		1,006.0	
* † X0487800	SANITARY SEWER REMOVAL 12"	FOOT	427.0		427.0	
* † X0487850	SANITARY SEWER REMOVAL 15"	FOOT	33.0		33.0	

* SPECIAL PROVISION
† SPECIALTY ITEM

HRG PROJECT NO.: 17425
 FILE NAME: 17425_PV_144000.dwg
 PLOT DRIVER: E:\soft\dwg\p144000.dwt
 PEN TABLE: 010\1000.dtl



USER NAME : jsteele	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE : 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE : 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SOUWANAS TRAIL & SCHUETT STREET	
SCALE: NTS	TO STA.
SHEET 10	OF 14 SHEETS

F.A.J. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 17-00092-00-PV	17-00092-00-PV	MCHENRY	123	14
• 4003, 4004				CONTRACT NO. 61H80
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
• † X0840000	SANITARY SEWER REMOVAL 8"	FOOT	47.0			47.0
• X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SO YD	144.0	144.0		
• † X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	1		
• † X1200288	SANITARY SEWER BYPASS PUMPING	L SUM	1	1		
• X2020060	EXCAVATING AND GRADING EXISTING SHOULDER, (SPECIAL)	UNIT	115	115		
• X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	500.0	500.0		
• † X2511630	EROSION CONTROL BLANKET (SPECIAL)	SO YD	16,800.0	16,800.0		
• X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	43	43		
• X4023000	TEMPORARY ACCESS (ROAD)	EACH	16	16		
• † X5030290	STAINING CONCRETE STRUCTURES	SO FT	1,006.0	1,006.0		
• † X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	3,300		3,300	
• † X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	1,688.0		1,688.0	
• † X5610706	WATER MAIN REMOVAL, 6"	FOOT	201.0		201.0	

* SPECIAL PROVISION
† SPECIALTY ITEM

HRG PROJECT NO.: 171425
HRG PROJ. CONTACT: J. HARRIS
PLOT DATE: 12/19/2022
PEN TABLE: 0610004.tbl



USER NAME = jstzsl	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 12/19/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
-	17-00092-00-PV	MCHENRY	123	15
• 4003, 4004		CONTRACT NO. 61H80		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
* + X5610708	WATER MAIN REMOVAL, 8"	FOOT	18.0		18.0	
* + X5610712	WATER MAIN REMOVAL, 12"	FOOT	25.0		25.0	
* + X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	11		11	
* + X5620118	WATER SERVICE CONNECTION (LONG)	EACH	10		10	
* + X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	4		4	
* + X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1		1	
* † X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	3		3	
* † X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	1		1	
* † X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	1		1	
* † X6022312	DROP SANITARY MANHOLES, WITH TYPE 1 FRAME, CLOSED LID	EACH	6			6
* † X6022820	MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15			15
* † X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1			1
* † X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	14			14

* SPECIAL PROVISION
† SPECIALTY ITEM

HRG PROJECT NO.: 17425
HRG PROJ. CONTACT:
FILE NAME: 17425-017-0000.dgn
PLOT DRIVER: L:\plot\dwg\p174
PLOT TABLE: plot\table.dwg



USER NAME : jstzsl	DESIGNED - JS	REVISED -
PL01 SCALE : 2.0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 12	OF 14	SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
-	17-00092-00-PV	MCHENRY	123	16
* 4003, 4004			CONTRACT NO. 61H80	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
• X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	33	33		
• X6060079	COMBINATION CONCRETE CURB AND GUTTER, TYPE M3.12	FOOT	3,130.0	3,130.0		
• X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
• † XX007021	PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM	EACH	2	2		
• † XX007920	LANDSCAPING STONE	TON	7	7		
• XX009527	THREE SIDED PRECAST CONCRETE STRUCTURES, (SPECIAL) 12 FT	FOOT	83.0	83.0		
• † XX009528	ABANDON EXISTING SANITARY SEWER, FILL WITH CLSM	FOOT	2,205.0			2,205.0
• XX206400	MAILBOX POST	EACH	4	4		
• Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
• Z0018300	DRAINAGE STRUCTURE REPAIR	EACH	5	5		
• Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	103.0	103.0		
• † Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	6		6	
• Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	399.0	399.0		

* SPECIAL PROVISION
+ SPECIALTY ITEM

HRG PROJECT NO. 171425
 HRG PROJ. CONTACT:
 FILE NAME: 171425-171-1000.dgn
 PLOT DATE: 12/19/2022
 PLOT SCALE: 2.0000" = 1'-0"
 PEN TABLE: PLOT00001.tbl



USER NAME : jstrzel	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
PLOT DATE : 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	17
• 4003, 4004			CONTRACT NO. 61H80	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY STU - 80% FEDERAL 0004	WATER LOCAL - 100% 0043	SANITARY LOCAL - 100% 0043
• Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	616.0	616.0		
• Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	499.0	499.0		
• Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	209.0	209.0		
• Z0056643	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 42 INCH	FOOT	65.0	65.0		
• + Z0056900	SANITARY SEWER 8"	FOOT	336.0			336.0
• + Z0057000	SANITARY SEWER 10"	FOOT	5.0			5.0
• + Z0057300	SANITARY SEWER 18"	FOOT	2,925.0			2,925.0
• + Z0058000	SANITARY SEWER, SPECIAL	FOOT	1,052.0			1,052.0
△ • Z0076600	TRAINEES	HOUR	1,000	1,000		
△ • Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000		

△ FUND CODE 0042
 * SPECIAL PROVISION
 + SPECIALTY ITEM

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17-00092-00-PV-001.dgn
 PLOT DATE: 12/19/2022
 PEN TABLE: PLOT0004.ctb

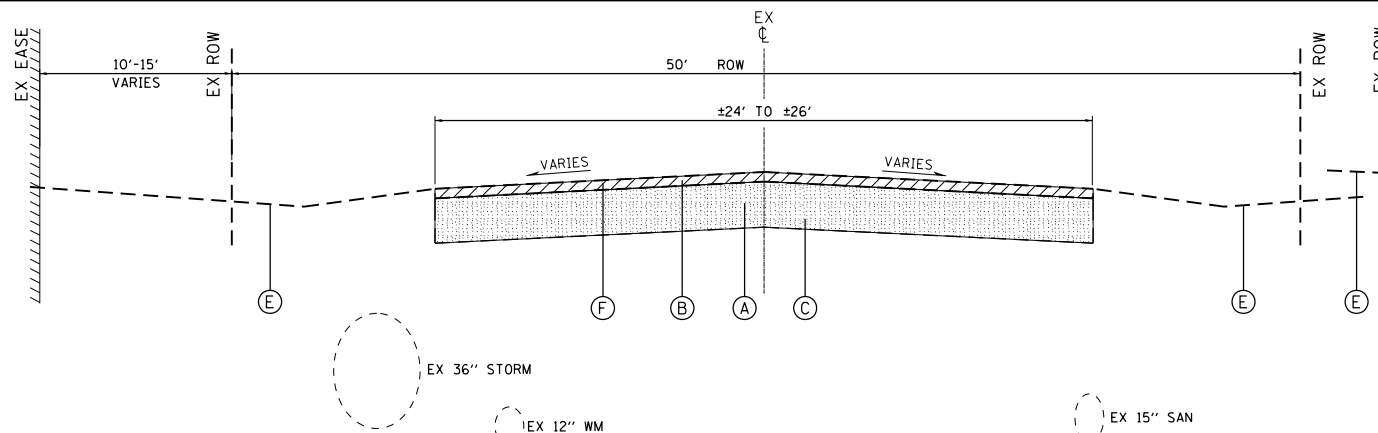


USER NAME : jstzral	DESIGNED - JS	REVISED -
PL01 SCALE : 2.0000' / 1"	DRAWN - DMS	REVISED -
PL01 DATE : 12/19/2022	CHECKED -	REVISED -
	DATE -	REVISED -

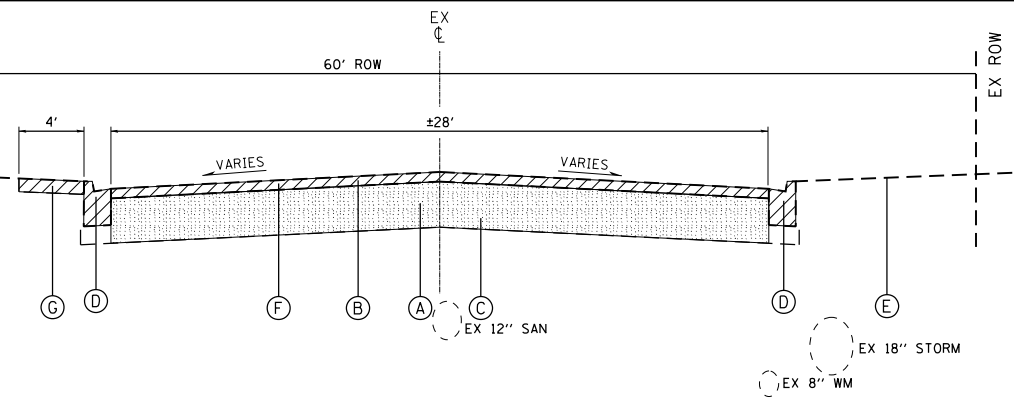
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 14	OF 14 SHEETS	STA. TO STA.

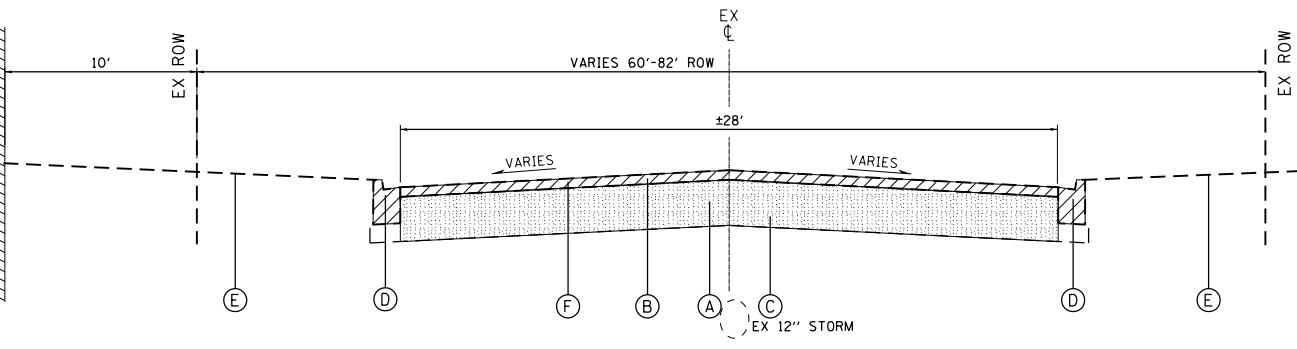
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	



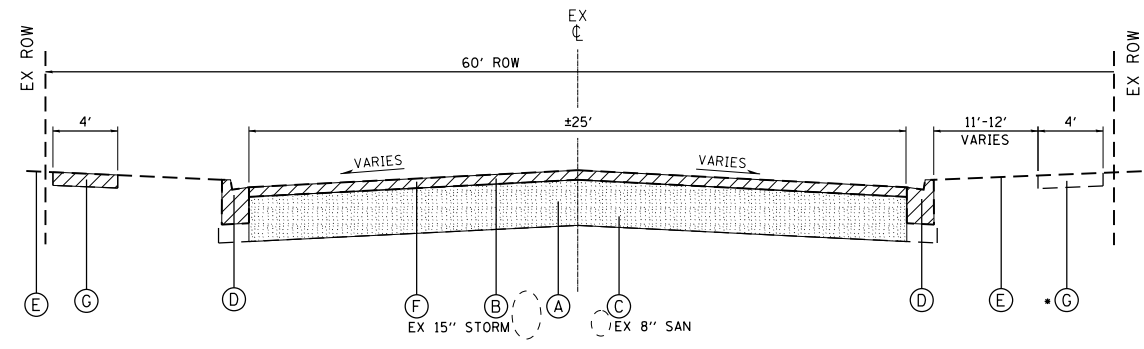
EXISTING TYPICAL SECTION
 SOUWANAS TRAIL (STA 101+71.59 TO STA 112+53.86)



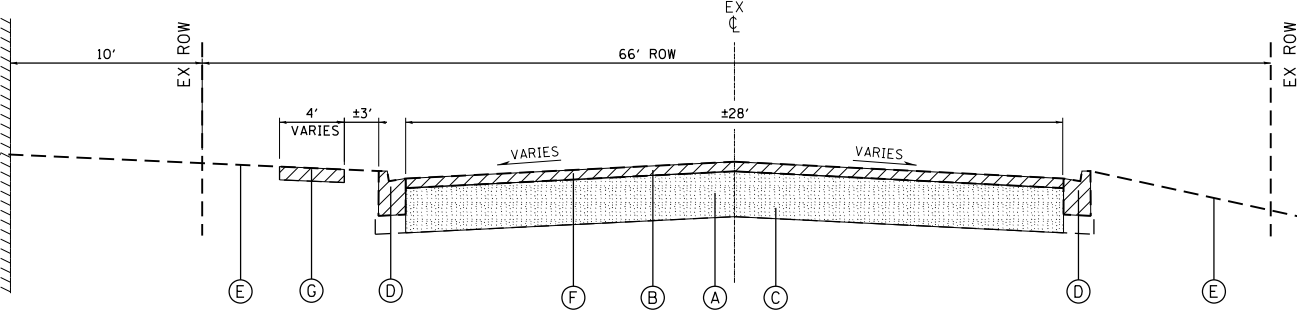
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 SCHUETT STREET (STA 300+00.00 TO STA 307+25.00)



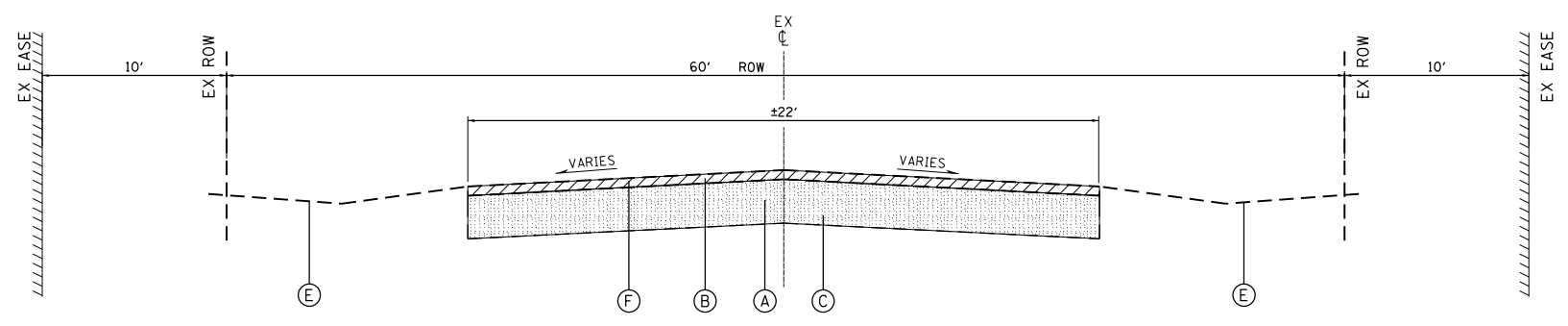
EXISTING TYPICAL SECTION
 SOUWANAS TRAIL (STA 112+53.86 TO STA 130+85.78)



EXISTING TYPICAL SECTION
 SCHUETT STREET (STA 307+25.00 TO STA 315+52.30)
 • INDICATES SPOT REMOVAL AND REPLACEMENT



EXISTING TYPICAL SECTION
 SOUWANAS TRAIL (STA 130+85.78 TO STA 140+37.31)



EXISTING TYPICAL SECTION
 OCEOLA DRIVE (STA 400+00 TO STA 402+21.26)

- EXISTING LEGEND**
- (A) PROCESSING SOIL-CEMENT BASE COURSE, 12" (MIX DESIGN FOR 300 PSI)
 - (B) EXISTING HOT-MIX ASPHALT PAVEMENT, ±4"
 - (C) EXISTING AGGREGATE BASE COURSE, ±12"
 - (D) EXISTING CONCRETE CURB AND GUTTER; TYPE VARIES
 - (E) EXISTING GROUND
 - (F) HOT-MIX ASPHALT SURFACE REMOVAL; 4"
 - (G) EXISTING PCC SIDEWALK

- INDICATES REMOVAL ITEM
- INDICATES AREA OF PROCESSING SOIL-CEMENT BASE COURSE

NOTES:
 BASE REPAIR LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
 FINAL GRADING OF THE ROADWAY BASE WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF FULL-DEPTH RECLAMATION.
 SEE GEOTECH REPORT FOR DETAILED PAVEMENT CONDITIONS

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SR1-tyr01.dgn
 PEN TABLE: PLOT LABEL.tbl



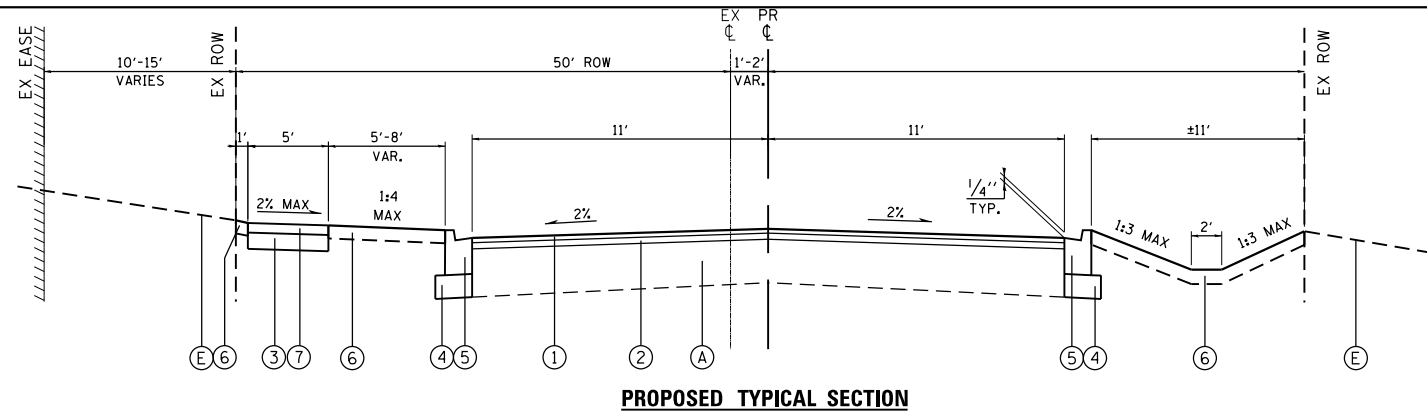
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PLOT DATE = 11/28/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

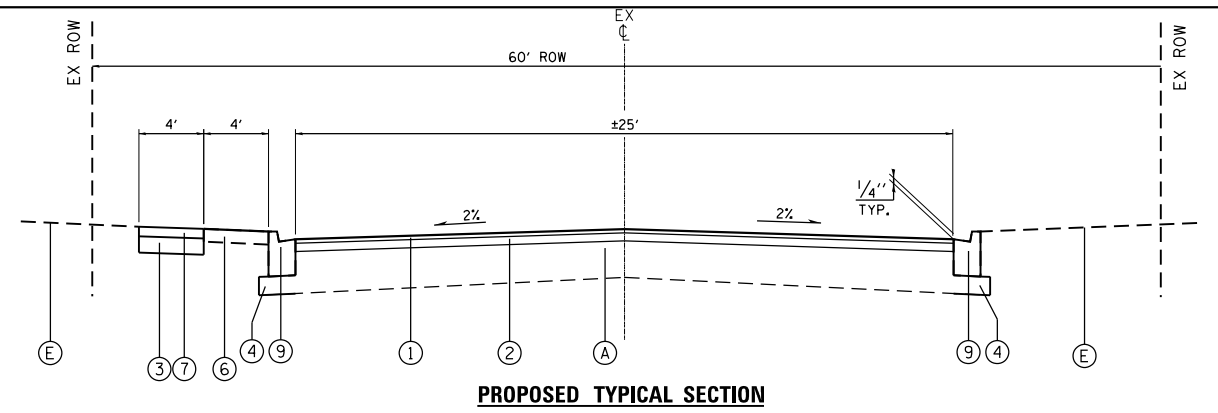
**EXISTING TYPICAL SECTIONS
 SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

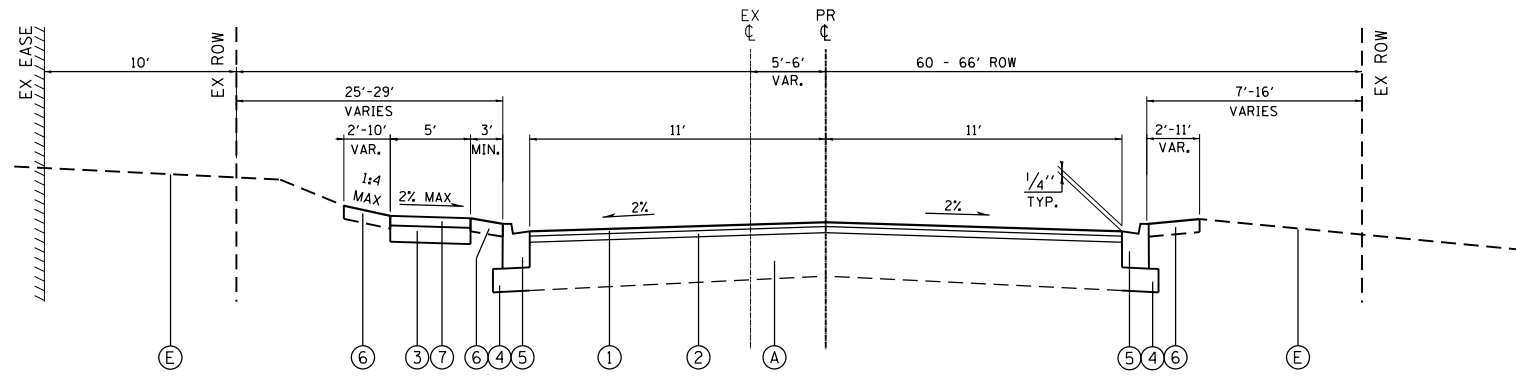
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	19
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



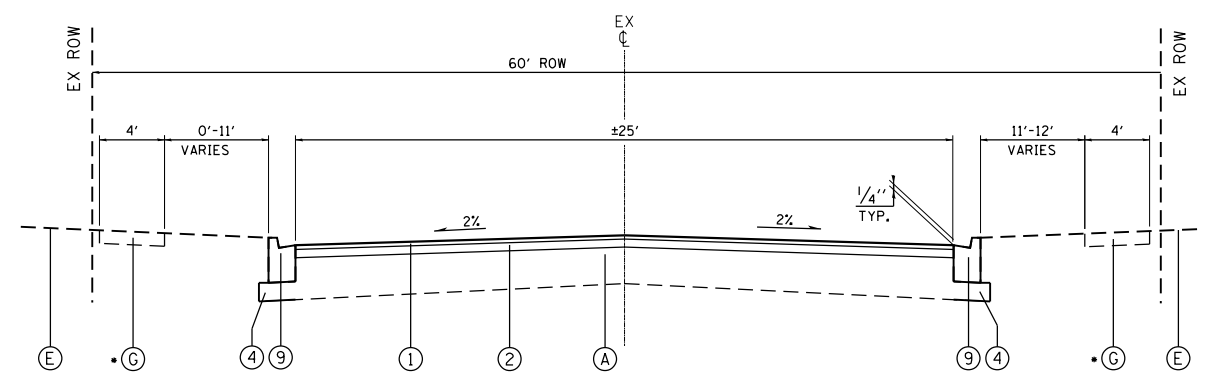
PROPOSED TYPICAL SECTION
SOUWANAS TRAIL (STA 101+71.59 TO STA 112+53.86)



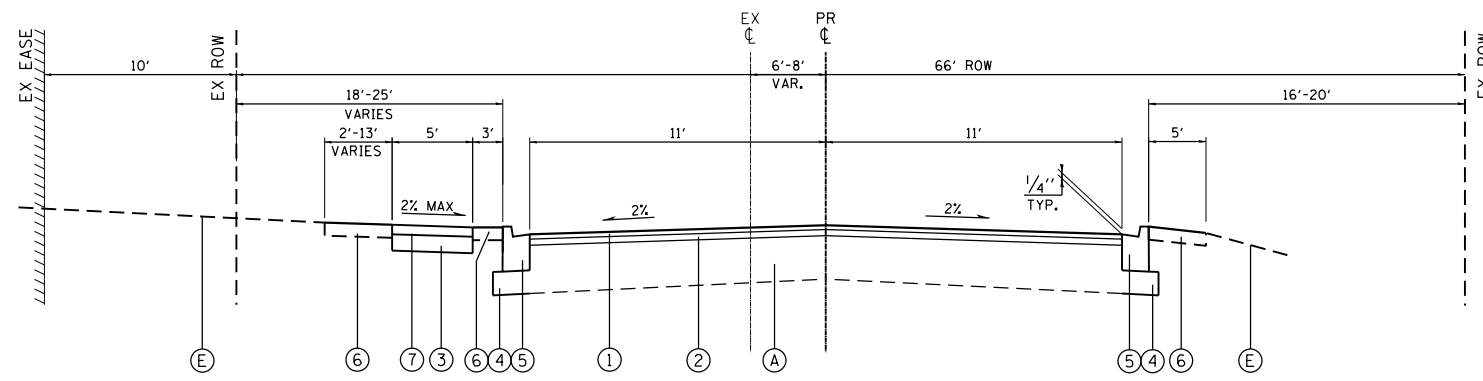
PROPOSED TYPICAL SECTION
SCHUETT STREET (STA 300+00.00 TO STA 307+25.00)



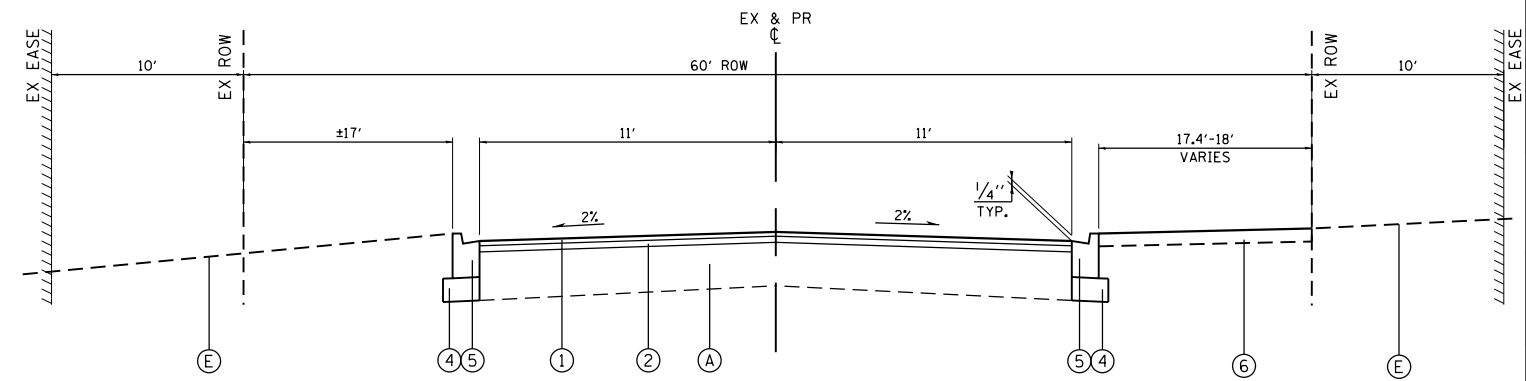
PROPOSED TYPICAL SECTION
SOUWANAS TRAIL (STA 112+53.86 TO STA 130+85.78)



PROPOSED TYPICAL SECTION
SCHUETT STREET (STA 307+25.00 TO STA 315+52.30)
•INDICATES SPOT REMOVAL AND REPLACEMENT



PROPOSED TYPICAL SECTION
SOUWANAS TRAIL (STA 130+85.78 TO STA 140+37.31)



PROPOSED TYPICAL SECTION
OCEOLA DRIVE (STA 400+00 TO STA 402+21.26)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
ROADWAY		
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 1 1/2"	3.5% @ 50 GYR.	LR 1030-2
HMA BINDER COURSE, IL-19.0, N50; 2 1/2"	3.5% @ 50 GYR.	LR 1030-2
TEMPORARY PATCHING		
HMA BINDER COURSE, IL-19.0, N50; 4"	4.0% @ 50 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

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

EXISTING LEGEND

- (A) PROCESSING SOIL CEMENT BASE COURSE, 12" (MIX DESIGN FOR 300 PSI)
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, ±4"
- (C) EXISTING AGGREGATE BASE COURSE, ±12"
- (D) EXISTING CONCRETE CURB AND GUTTER; TYPE VARIES
- (E) EXISTING GROUND
- (F) HOT-MIX ASPHALT SURFACE REMOVAL; 4"
- (G) EXISTING PCC SIDEWALK

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 1/2"
- ③ AGGREGATE BASE COURSE, TYPE B; 4"
- ④ AGGREGATE BASE COURSE, TYPE B; 6"
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑥ TOPSOIL FURNISH AND PLACE; 6" SEEDING, CLASS 1A EROSION CONTROL BLANKET (SPECIAL)
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑧ OMITTED
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE M3.12

NOTES:

BASE REPAIR LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

FINAL GRADING OF THE ROADWAY BASE WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF PROCESSING SOIL CEMENT BASE COURSE.

SEE GEOTECH REPORT FOR DETAILED PAVEMENT CONDITIONS

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 HRG PROJ. CONTACT:
 FILE NUMBER: 17425-SR1-APP02.dgn
 PEN TABLE: PLOT LABEL.tbl



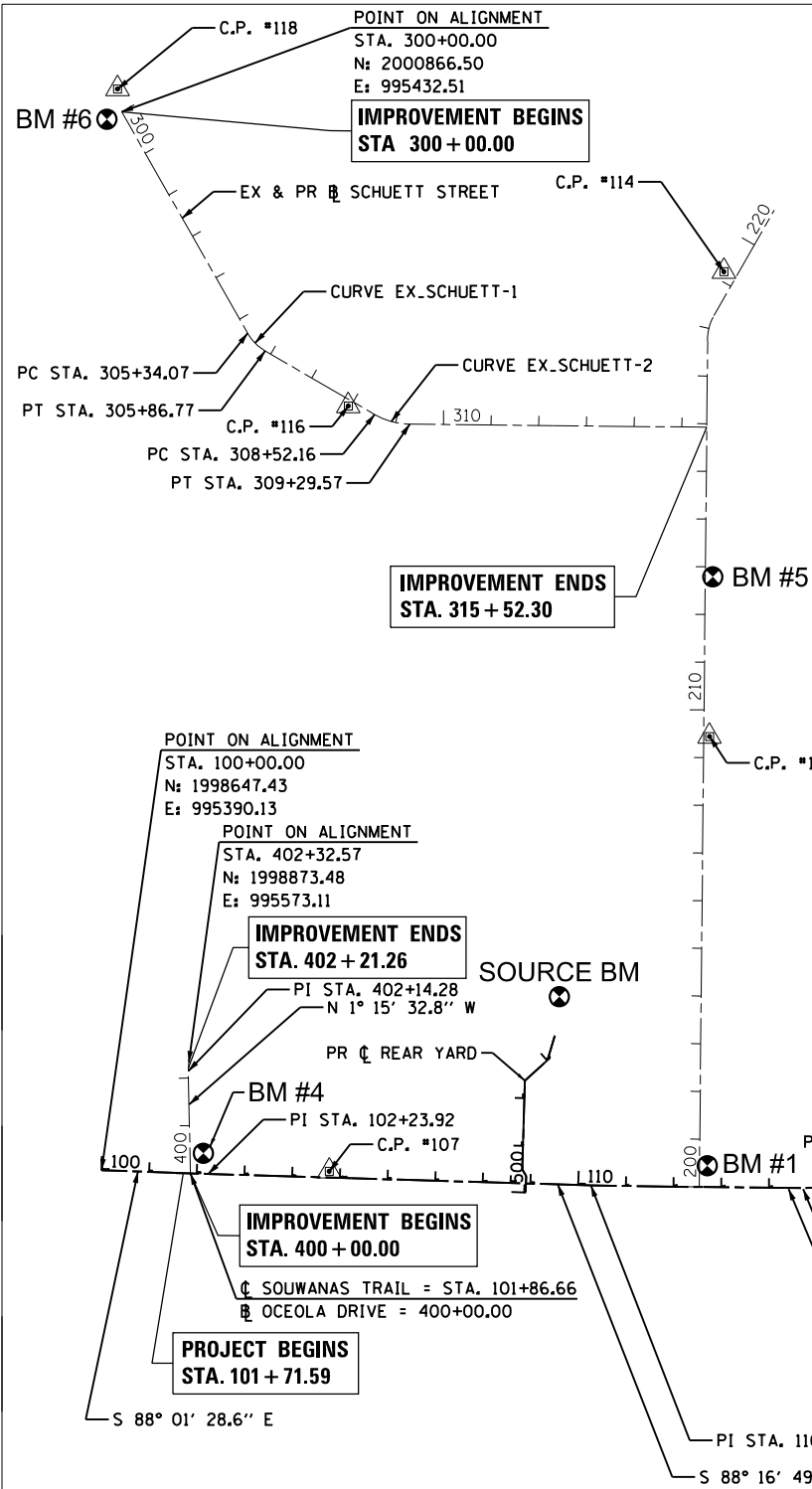
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PLOT DATE = 11/28/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
SOUWANAS TRAIL & SCHUETT STREET**

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

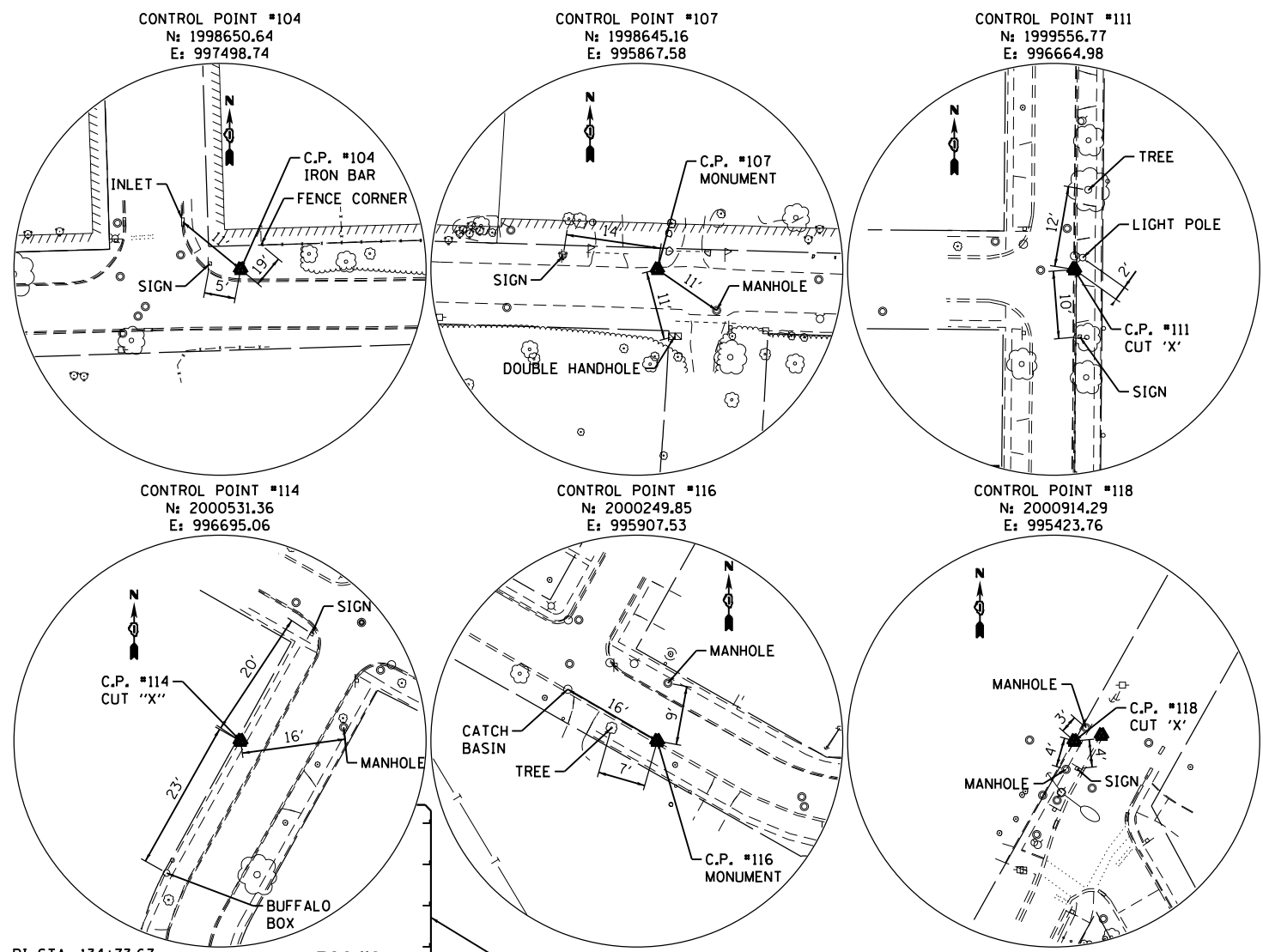
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	



EXIST. CURVE EX_SCHUETT-1
 $\Delta = 30^\circ 11' 48''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 26.98'$
 $L = 52.70'$
 $E = 3.58'$
 $e =$
P.C. STA. = 305+34.07
N: 2000402.32
E: 995696.65
PI STA. = 305+61.05
N: 2000378.88
E: 995709.99
P.T. STA. = 305+86.77
N: 2000365.32
E: 995733.32

EXIST. CURVE EX_SCHUETT-2
 $\Delta = 29^\circ 34' 08''$ (LT)
 $D = 38^\circ 11' 50''$
 $R = 150.00'$
 $T = 39.59'$
 $L = 77.41'$
 $E = 5.14'$
 $e =$
P.C. STA. = 308+52.16
N: 2000231.98
E: 995962.77
PI STA. = 308+91.75
N: 2000212.09
E: 995997.00
P.T. STA. = 309+29.57
N: 2000211.68
E: 996036.59

EXIST. CURVE EX_SOUWANAS-1
 $\Delta = 3^\circ 20' 52''$ (LT)
 $D = 0^\circ 38' 12''$
 $R = 9,000.00'$
 $T = 263.00'$
 $L = 525.85'$
 $E = 3.84'$
 $e =$
P.C. STA. = 108+40.93
N: 1998616.63
E: 996416.18
PI STA. = 111+03.93
N: 1998608.74
E: 996679.06
P.T. STA. = 113+66.78
N: 1998616.21
E: 996941.95



PROP. CURVE PRSOUW-1	PROP. CURVE PRSOUW-2	PROP. CURVE PRSOUW-3	PROP. CURVE PRSOUW-4
$\Delta = 3^\circ 03' 11''$ (LT)	$\Delta = 1^\circ 59' 34''$ (RT)	$\Delta = 1^\circ 32' 36''$ (LT)	$\Delta = 1^\circ 23' 53''$ (RT)
$D = 4^\circ 58' 56''$	$D = 4^\circ 58' 56''$	$D = 2^\circ 56' 09''$	$D = 1^\circ 48' 31''$
$R = 1,150.00'$	$R = 1,150.00'$	$R = 1,951.52'$	$R = 3,167.83'$
$T = 30.65'$	$T = 20.00'$	$T = 26.29'$	$T = 38.65'$
$L = 61.28'$	$L = 40.00'$	$L = 52.57'$	$L = 77.30'$
$E = 0.41'$	$E = 0.17'$	$E = 0.18'$	$E = 0.24'$
$e =$	$e =$	$e =$	$e =$
P.C. STA. = 114+41.25 N: 1998608.11 E: 996830.81	P.C. STA. = 120+31.27 N: 1998625.81 E: 997420.52	P.C. STA. = 127+92.00 N: 1998642.61 E: 998181.05	P.C. STA. = 129+79.65 N: 1998651.81 E: 998368.46
PI STA. = 114+71.89 N: 1998607.78 E: 996861.44	PI STA. = 120+51.27 N: 1998626.73 E: 997440.50	P.I. STA. = 128+18.29 N: 1998643.29 E: 998207.32	P.I. STA. = 130+18.30 N: 1998653.85 E: 998407.06
P.T. STA. = 115+02.52 N: 1998608.27 E: 996892.08	P.T. STA. = 120+71.27 N: 1998626.95 E: 997460.50	P.T. STA. = 128+44.57 N: 1998644.68 E: 998233.57	P.T. STA. = 130+56.95 N: 1998654.95 E: 998445.69

ALIGNMENT COORDINATES		REAR YARD	
STATION	N	N	E
POB 500+00.00	1998600.6853	996279.2605	
PI 500+07.25	1998607.9321	996279.4781	
PI 500+34.56	1998635.2201	996280.5287	
PI 500+50.42	1998648.8969	996272.4863	
PI 502+36.72	1998835.1182	996277.9058	
PI 503+00.81	1998878.1793	996325.3712	
POE 503+54.63	1998929.6965	996340.9324	

ALIGNMENT COORDINATES		SANDBLOOM ROAD	
STATION	N	N	E
POB 400+00.00	1998685.6493	999420.1077	
PI 404+30.44	1999116.0847	999420.1077	
PI 404+50.41	1999130.2111	999405.9813	
POE 404+70.19	1999130.3510	999386.2050	

BENCHMARKS

SOURCE BENCHMARK
 NGS VERTICAL CONTROL STATION E 227, PID: NHO165. STATION IS LOCATED ABOUT 0.75 MILE SOUTHEAST ALONG THE CHICAGO AND NORTH WESTERN RAILWAY FROM THE STATION AT ALGONQUIN, ABOUT 50 YARDS SOUTHEAST OF MILE POLE 52, 0.5 MILE SOUTHEAST OF THE SOUTHEAST END OF THE BRIDGE OVER FOX RIVER, 0.1 MILE NORTHWEST OF THE CROSSING OF A GRADED ROAD, 7 FEET SOUTHWEST OF THE SOUTHWEST RAIL, IN TOP OF THE SOUTHWEST END OF THE NORTHWEST STONE ABUTMENT OF 15-FOOT BRIDGE 654, 2 1/2 FEET NORTHEAST OF THE SOUTHWEST END OF THE ABUTMENT, AND ABOUT 2 FEET BELOW THE LEVEL OF THE TRACK. ELEVATION = 751.93 (NAVD 88)

BENCHMARK 1: ARROW BOLT ON FIRE HYDRANT LOCATED IN THE NORTHEAST QUADRANT OF SCOTT STREET AND SOUWANAS TRAIL, APPROXIMATELY 16.0 FEET EAST OF THE CENTERLINE OF SCOTT AND 45.0 FEET NORTH OF THE CENTERLINE OF SOUWANAS. ELEVATION = 755.58 (NAVD 88)

BENCHMARK 2: SOUTHWEST BOLT ON FIRE HYDRANT LOCATED IN FRONT OF THE ALGONQUIN WATER TREATMENT PLANT, APPROXIMATELY 19.0 FEET NORTH OF THE CENTERLINE OF SOUWANAS TRAIL AND 65.0 FEET EAST OF THE CENTERLINE OF RIVERWOOD TRAIL. ELEVATION = 793.10

BENCHMARK 3: SOUTHWEST BOLT ON FIRE HYDRANT LOCATED IN THE NORTHEAST QUADRANT OF SUSAN COURT AND SOUWANAS TRAIL, APPROXIMATELY 21.0 FEET NORTH OF THE CENTERLINE OF SOUWANAS AND 35.0 FEET EAST OF THE CENTERLINE OF SUSAN. ELEVATION = 814.57 (NAVD 88)

BENCHMARK 4: BURRY BOLT ON FIRE HYDRANT LOCATED IN THE NORTHEAST QUADRANT OF WINAKI TRAIL AND SOUWANAS TRAIL, APPROXIMATELY 29.0 FEET EAST OF THE CENTERLINE OF WINAKI AND 41.0 FEET NORTH OF THE CENTERLINE OF SOUWANAS. ELEVATION = 734.03

BENCHMARK 5: ARROW BOLT ON FIRE HYDRANT LOCATED IN THE NORTHEAST QUADRANT OF SCOTT STREET AND SUNSHINE COURT, APPROXIMATELY 12.0 FEET NORTH OF THE CENTERLINE EXTENDED OF SUNSHINE AND 17.0 FEET EAST OF THE CENTERLINE OF SCOTT. ELEVATION = 772.11 (NAVD 88)

BENCHMARK 6: TAG BOLT ON FIRE HYDRANT LOCATED IN THE SOUTHWEST QUADRANT OF S. HUBBARD STREET AND SCHUETT STREET, APPROXIMATELY 21.0 FEET WESTERLY OF THE CENTERLINE OF S. HUBBARD AND 37.0 FEET SOUTHERLY OF THE CENTERLINE EXTENDED OF SCHUETT. ELEVATION = 751.38 (NAVD 88)

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
 SOUWANAS TRAIL & SCHUETT STREET**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	21
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61H80	

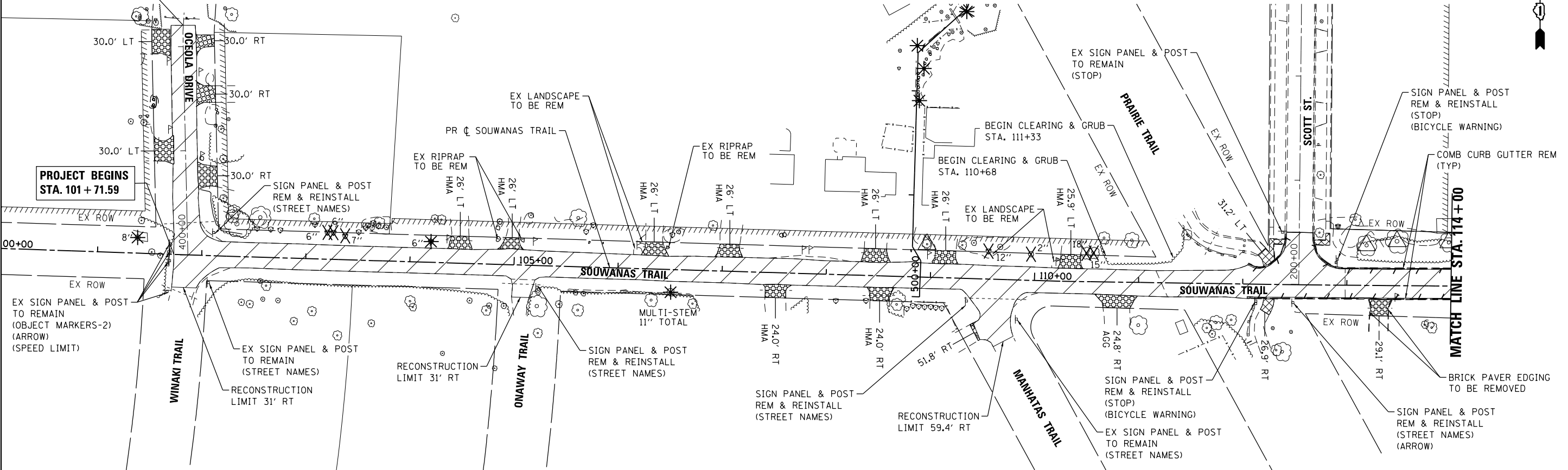
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	DRAWN - DMS	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

IMPROVEMENT ENDS
STA. 402 + 21.26

PROJECT BEGINS
STA. 101 + 71.59

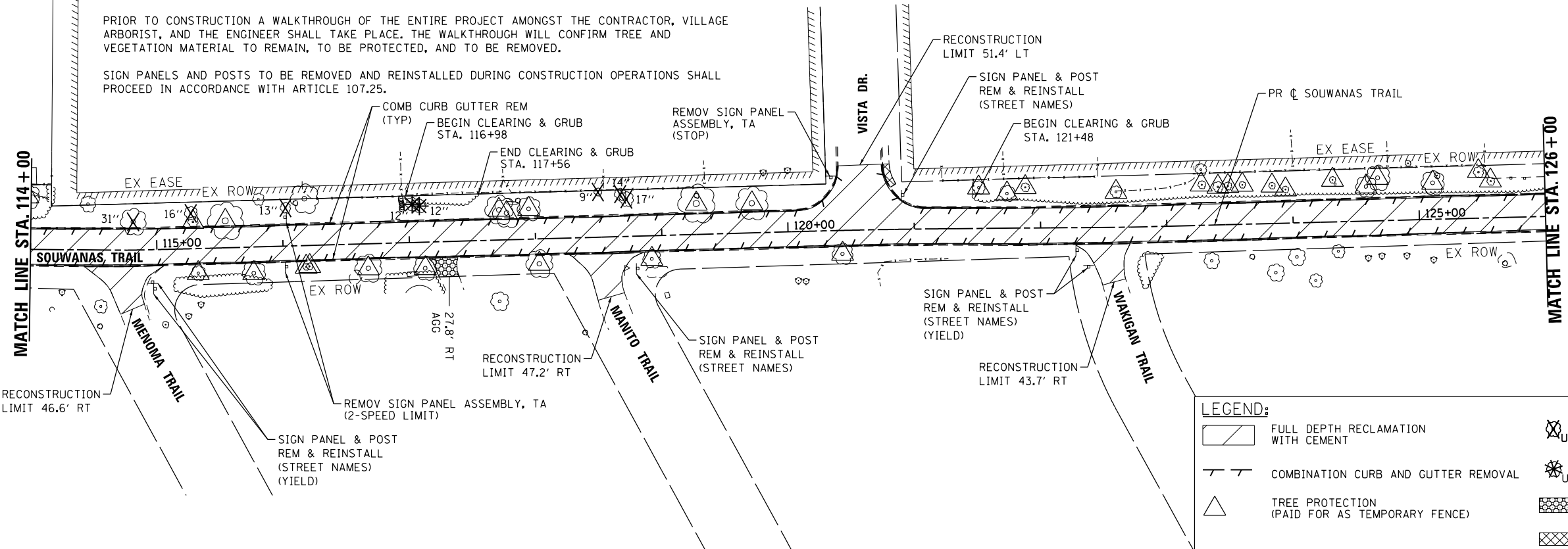


NOTES:

FOR SANITARY SEWER, STORM SEWER AND PIPE CULVERT REMOVALS, SEE UTILITY REMOVAL AND ADJUSTMENT PLAN.

PRIOR TO CONSTRUCTION A WALKTHROUGH OF THE ENTIRE PROJECT AMONGST THE CONTRACTOR, VILLAGE ARBORIST, AND THE ENGINEER SHALL TAKE PLACE. THE WALKTHROUGH WILL CONFIRM TREE AND VEGETATION MATERIAL TO REMAIN, TO BE PROTECTED, AND TO BE REMOVED.

SIGN PANELS AND POSTS TO BE REMOVED AND REINSTALLED DURING CONSTRUCTION OPERATIONS SHALL PROCEED IN ACCORDANCE WITH ARTICLE 107.25.



LEGEND:

- FULL DEPTH RECLAMATION WITH CEMENT
- COMBINATION CURB AND GUTTER REMOVAL
- TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
- TREE REMOVAL
- TREE REMOVAL BY OTHERS
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-S17-Removal-Souwanas-01.dgn
 PEN TABLE: 17425.dwg
 HRGreen.com

HRGreen.com
 Micro Professional Design Firm
 #184-001322

USER NAME = jstrzal	DESIGNED - JS	REVISED -
DRAWN - DMS	REVISED -	
CHECKED -	REVISED -	
DATE -	REVISED -	
PLOT SCALE = 100.0002' / 1"		
PLOT DATE = 12/19/2022		

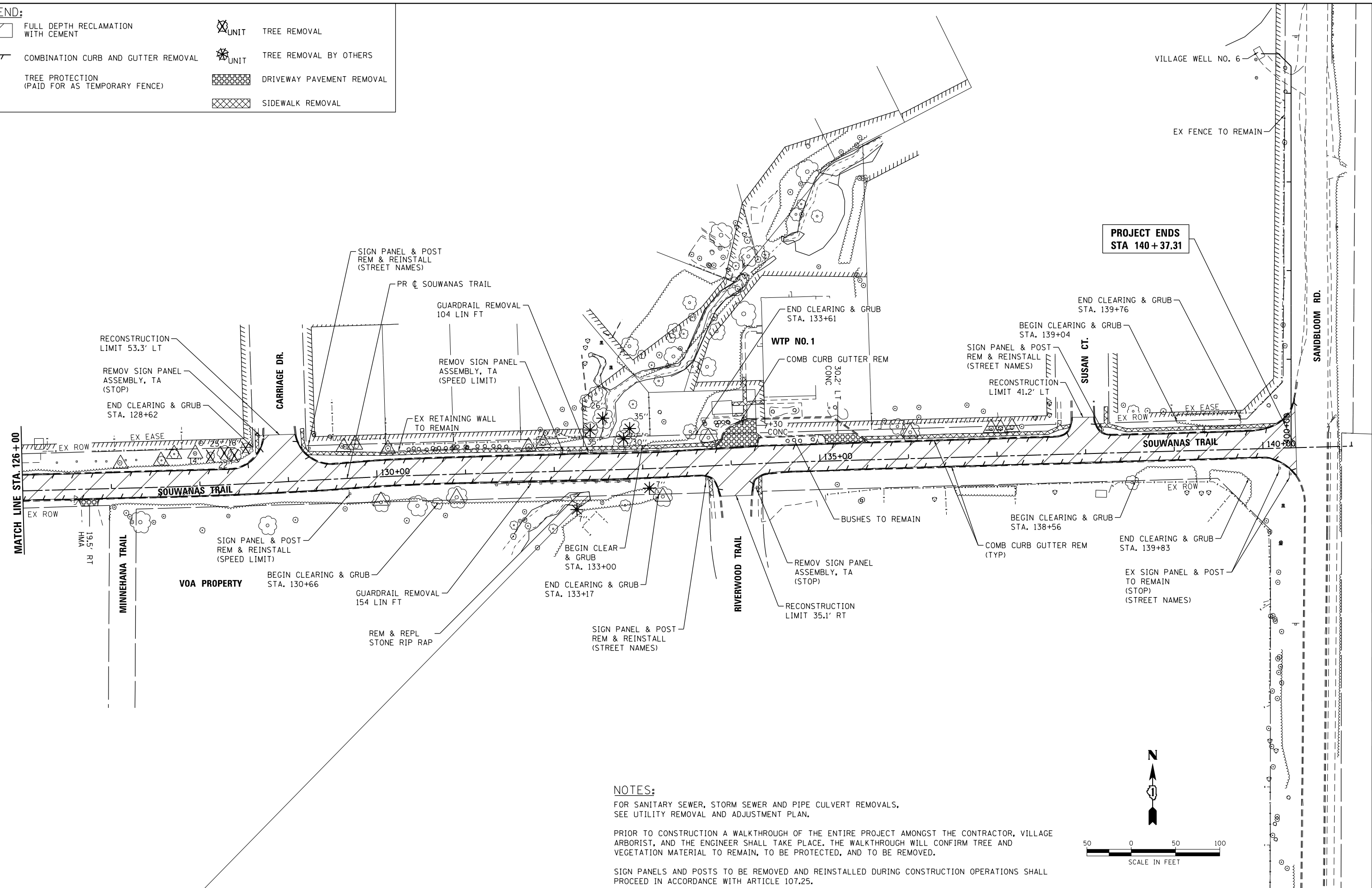
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN		
SOUWANAS TRAIL & OCEOLA DRIVE		
SCALE: 1"=50'	SHEET 1 OF 5 SHEETS	STA. 101+71.59 TO STA. 126+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

LEGEND:

	FULL DEPTH RECLAMATION WITH CEMENT		TREE REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL		TREE REMOVAL BY OTHERS
	TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)		DRIVEWAY PAVEMENT REMOVAL
			SIDEWALK REMOVAL

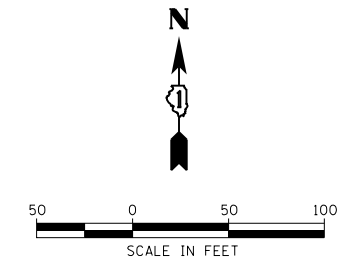


NOTES:

FOR SANITARY SEWER, STORM SEWER AND PIPE CULVERT REMOVALS, SEE UTILITY REMOVAL AND ADJUSTMENT PLAN.

PRIOR TO CONSTRUCTION A WALKTHROUGH OF THE ENTIRE PROJECT AMONGST THE CONTRACTOR, VILLAGE ARBORIST, AND THE ENGINEER SHALL TAKE PLACE. THE WALKTHROUGH WILL CONFIRM TREE AND VEGETATION MATERIAL TO REMAIN, TO BE PROTECTED, AND TO BE REMOVED.

SIGN PANELS AND POSTS TO BE REMOVED AND REINSTALLED DURING CONSTRUCTION OPERATIONS SHALL PROCEED IN ACCORDANCE WITH ARTICLE 107.25.



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 HRG PROJ. CONTACT:
 FILE NAME: 17425-571-removal-Souwanas-02.dgn
 PEN TABLE: 10/10/2022



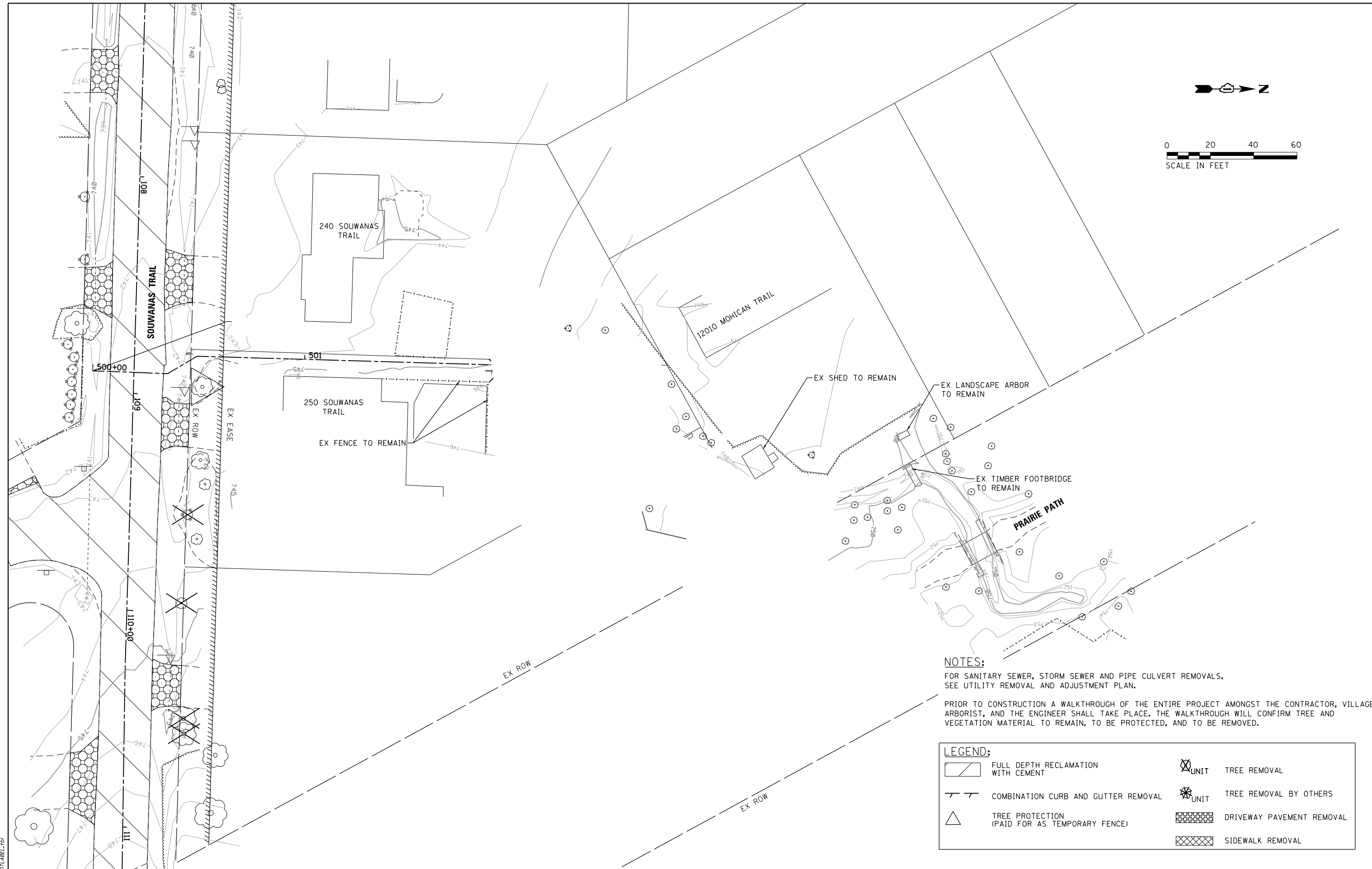
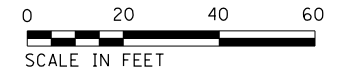
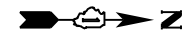
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PLOT DATE = 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN SOUWANAS TRAIL	
SCALE: 1"=50'	SHEET 2 OF 5 SHEETS
STA. 126+00	TO STA. 140+37.31

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 61H80










NOTES:

FOR SANITARY SEWER, STORM SEWER AND PIPE CULVERT REMOVALS, SEE UTILITY REMOVAL AND ADJUSTMENT PLAN.

PRIOR TO CONSTRUCTION A WALKTHROUGH OF THE ENTIRE PROJECT AMONGST THE CONTRACTOR, VILLAGE ARBORIST, AND THE ENGINEER SHALL TAKE PLACE. THE WALKTHROUGH WILL CONFIRM TREE AND VEGETATION MATERIAL TO REMAIN, TO BE PROTECTED, AND TO BE REMOVED.

LEGEND:

-  FULL DEPTH RECLAMATION WITH CEMENT
-  COMBINATION CURB AND GUTTER REMOVAL
-  TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
-  UNIT TREE REMOVAL
-  UNIT TREE REMOVAL BY OTHERS
-  DRIVEWAY PAVEMENT REMOVAL
-  SIDEWALK REMOVAL

HRG PROJECT NO: 17425
HRG PROJ CONTACT:
FILE NAME: 17425-SN-Removal-Souwanas-RYD.dgn
PEN TABLE: PLOT LABEL.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

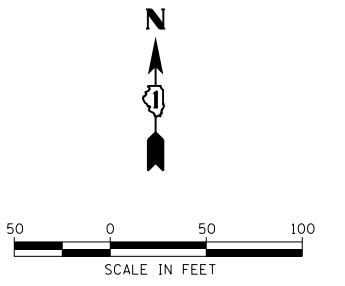
**REMOVAL PLAN
SOUWANAS TRAIL REAR YARDS**

SCALE: 1"=20' SHEET 3 OF 5 SHEETS STA. 500+00 TO STA. 503+54.63

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

LEGEND:

	FULL DEPTH RECLAMATION WITH CEMENT		UNIT TREE REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL		UNIT TREE REMOVAL BY OTHERS
	TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)		DRIVEWAY PAVEMENT REMOVAL
			SIDEWALK REMOVAL



EX SIGN TO REMAIN (STOP)

IMPROVEMENT BEGINS STA. 300+00.00

SIGN PANEL & POST REM & REINSTALL (STREET NAMES)

EX SIGN TO REMAIN (STOP)

SIGN PANEL & POST REM & REINSTALL (STREET NAMES)

RECONSTRUCTION LIMIT 55.2' LT

COMB CURB GUTTER REM (TYP)

EX & PR @ SCHUETT STREET

RECONSTRUCTION LIMIT 37.3' LT

SIGN PANEL & POST REM & REINSTALL (STREET NAMES)

EX SIGN TO REMAIN (STREET NAMES)

RECONSTRUCTION LIMIT 30.2' LT

IMPROVEMENT ENDS STA. 315+52.30

EX SIGN TO REMAIN (STREET NAMES)

NOTES:

FOR SANITARY SEWER, STORM SEWER AND PIPE CULVERT REMOVALS, SEE UTILITY REMOVAL AND ADJUSTMENT PLAN.

PRIOR TO CONSTRUCTION A WALKTHROUGH OF THE ENTIRE PROJECT AMONGST THE CONTRACTOR, VILLAGE ARBORIST, AND THE ENGINEER SHALL TAKE PLACE. THE WALKTHROUGH WILL CONFIRM TREE AND VEGETATION MATERIAL TO REMAIN, TO BE PROTECTED, AND TO BE REMOVED.

SIGN PANELS AND POSTS TO BE REMOVED AND REINSTALLED DURING CONSTRUCTION OPERATIONS SHALL PROCEED IN ACCORDANCE WITH ARTICLE 107.25.

USER NAME = jstrzal	DESIGNED - JS	REVISED -
DRAWN - DMS	REVISED -	
CHECKED -	REVISED -	
DATE -	REVISED -	
PLOT SCALE = 100.0002' / 1"		
PLOT DATE = 12/19/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
SCHUETT STREET**

SCALE: 1"=50' SHEET 5 OF 5 SHEETS STA. 300+18 TO STA. 315+52.30

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SR-Removal-Schuett-01.dgn
 PEN TABLE: 17425.tbl
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322



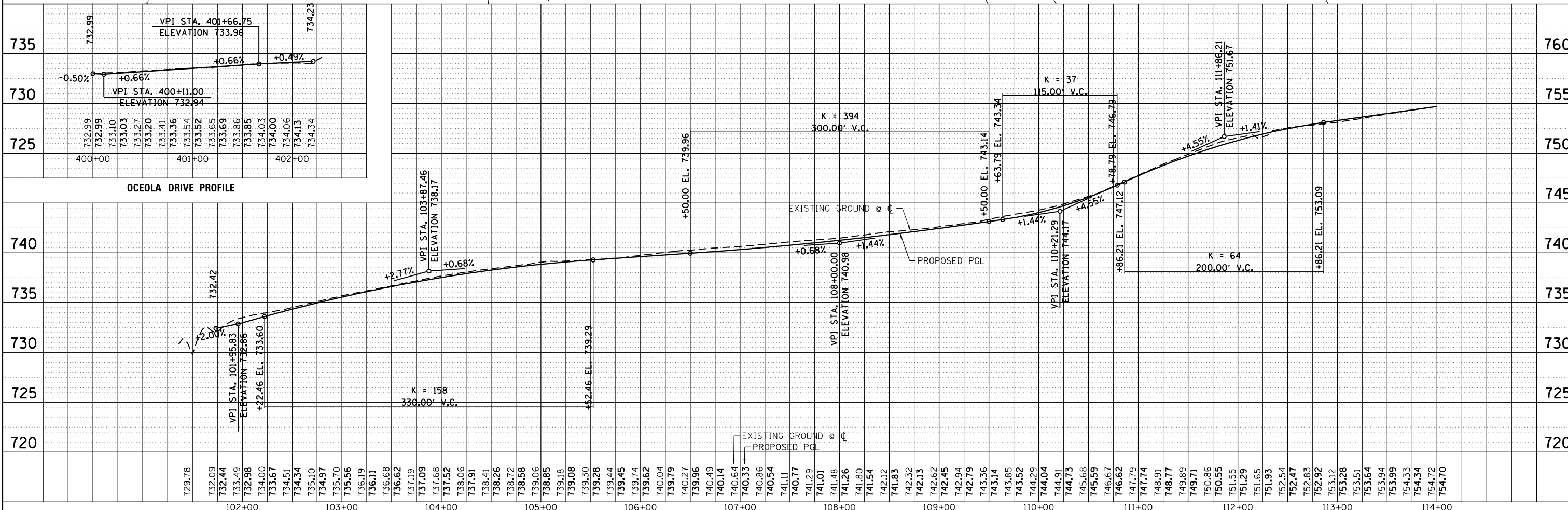
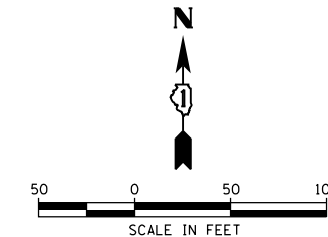
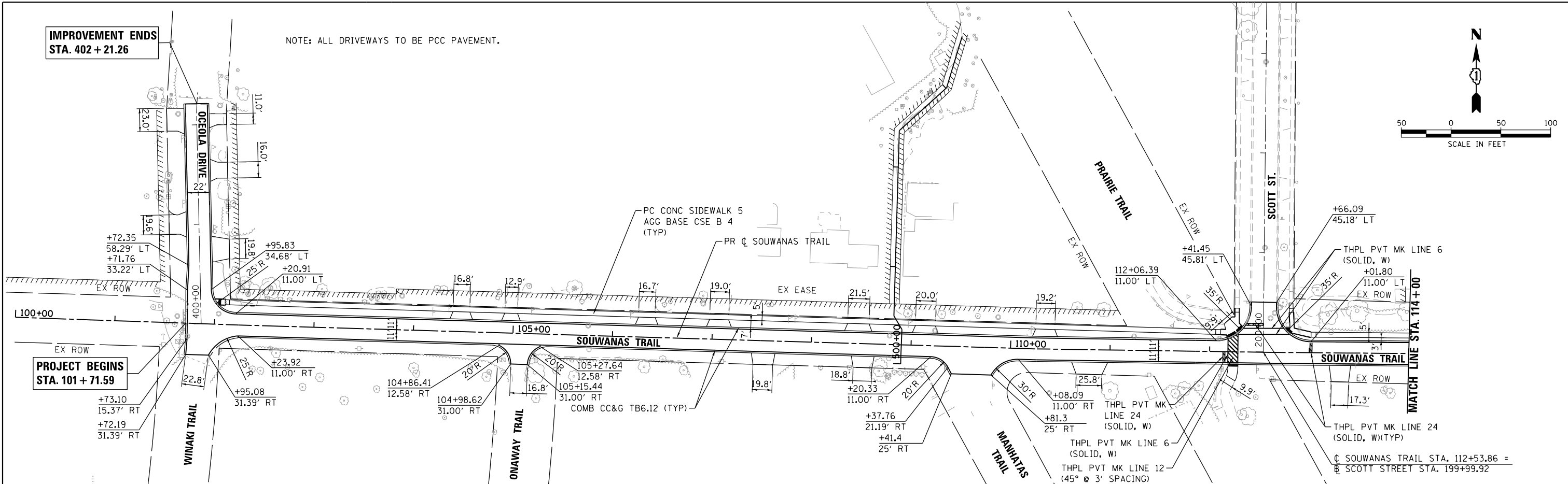
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	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	FILED		
	NO.		

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-571-p1p1r-f-Souwanas-01.dgn
 PEN TABLE: PLOT LABEL.tbl

**IMPROVEMENT ENDS
 STA. 402 + 21.26**

NOTE: ALL DRIVEWAYS TO BE PCC PAVEMENT.

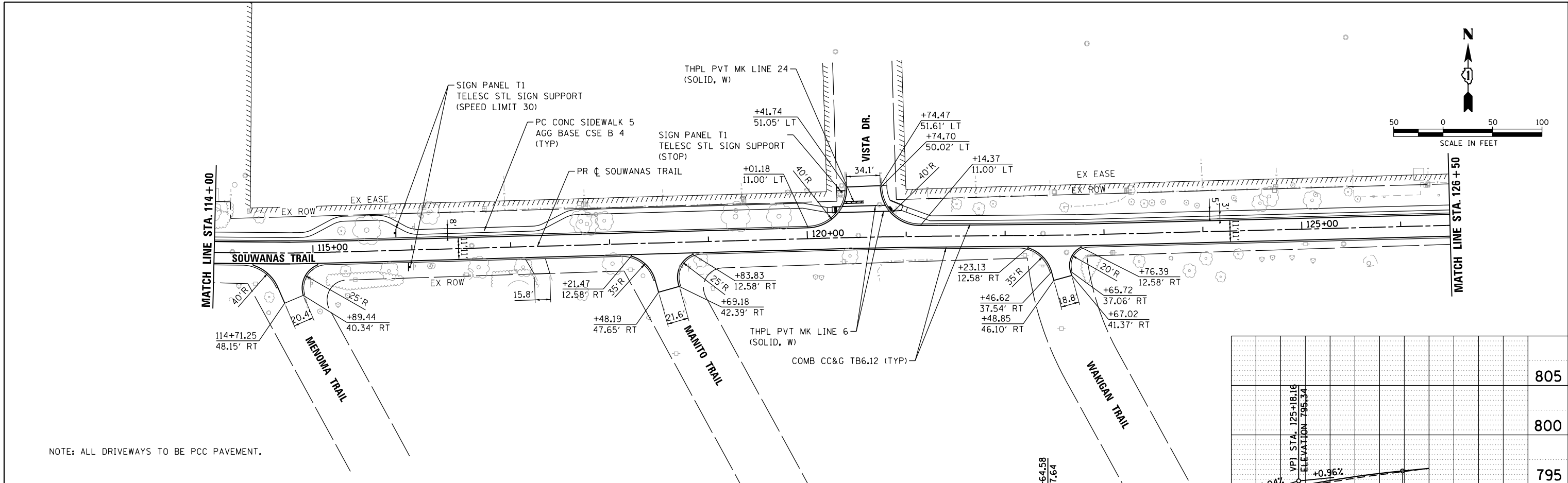


	USER NAME = dstanz	DESIGNED - JS	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE SOUWANAS TRAIL & OCEOLA DRIVE	F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0004' / in.	CHECKED - DMS	REVISED - XX/XX/XXXX			17-00092-00-PV	MCHENRY	123	26	
	PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX			CONTRACT NO. 61H80				
						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

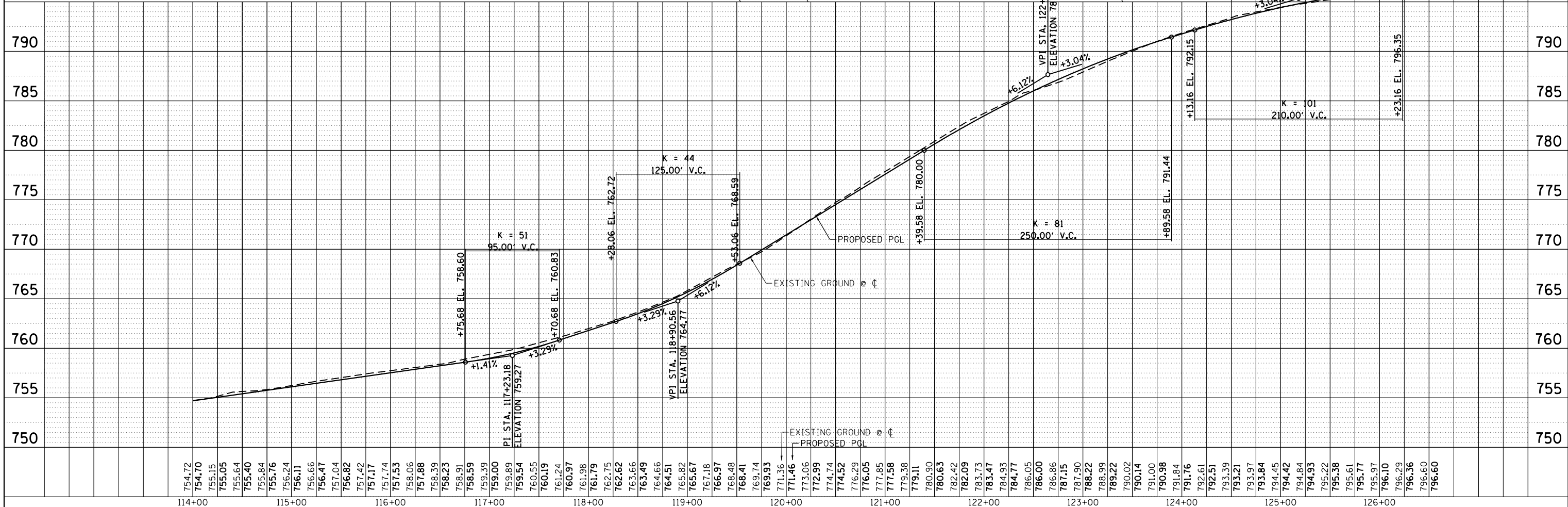
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CARD FILE NAME		
	NO.		

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

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-Plan-Profile-Souwanas-02.dgn
 PEN TABLE: p:\table.tbl



NOTE: ALL DRIVEWAYS TO BE PCC PAVEMENT.



114+00	115+00	116+00	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00																																																																																								
754.72	754.70	755.05	755.64	755.40	755.84	756.24	756.11	756.66	756.47	757.04	756.82	757.42	757.17	757.74	757.53	758.06	757.88	758.39	758.23	758.91	758.59	759.39	759.09	759.89	759.54	760.55	760.19	761.24	761.24	760.97	761.98	761.79	762.75	762.62	763.66	763.49	764.66	764.51	765.82	765.67	767.18	766.97	768.48	768.41	769.74	769.93	771.36	771.46	773.06	772.99	774.74	774.52	776.29	776.05	777.85	777.58	779.38	779.11	780.90	780.63	782.42	782.09	783.73	783.47	784.93	784.77	786.05	786.00	786.86	787.15	787.90	788.22	788.99	789.22	790.02	790.14	791.00	790.98	791.84	791.76	792.61	792.51	793.39	793.21	793.97	793.84	794.45	794.42	794.84	794.93	795.22	795.38	795.61	795.77	795.97	796.10	796.29	796.36	796.60	796.60

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 Illinois Professional Design Firm
 #184-001322

USER NAME = jstrzal	DESIGNED - JS	REVISED -
DRAWN - DMS	REVISED -	
CHECKED -	REVISED -	
DATE -	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
 SOUWANAS TRAIL**

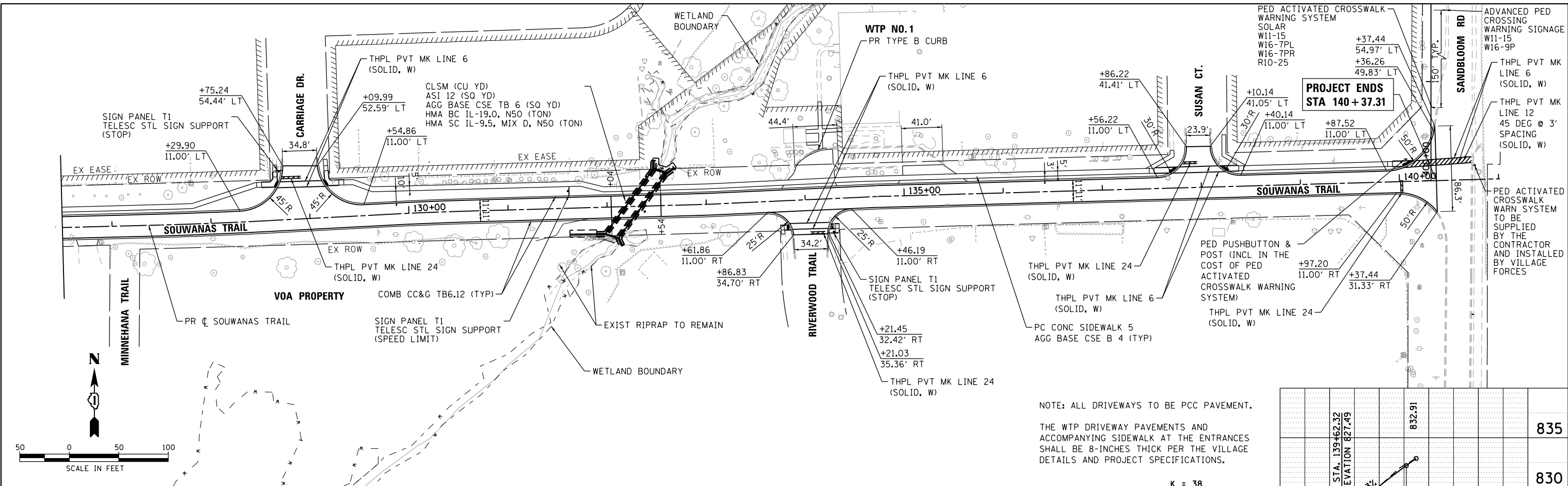
SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 114+00 TO STA. 126+50

F.A.U. R.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	27
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

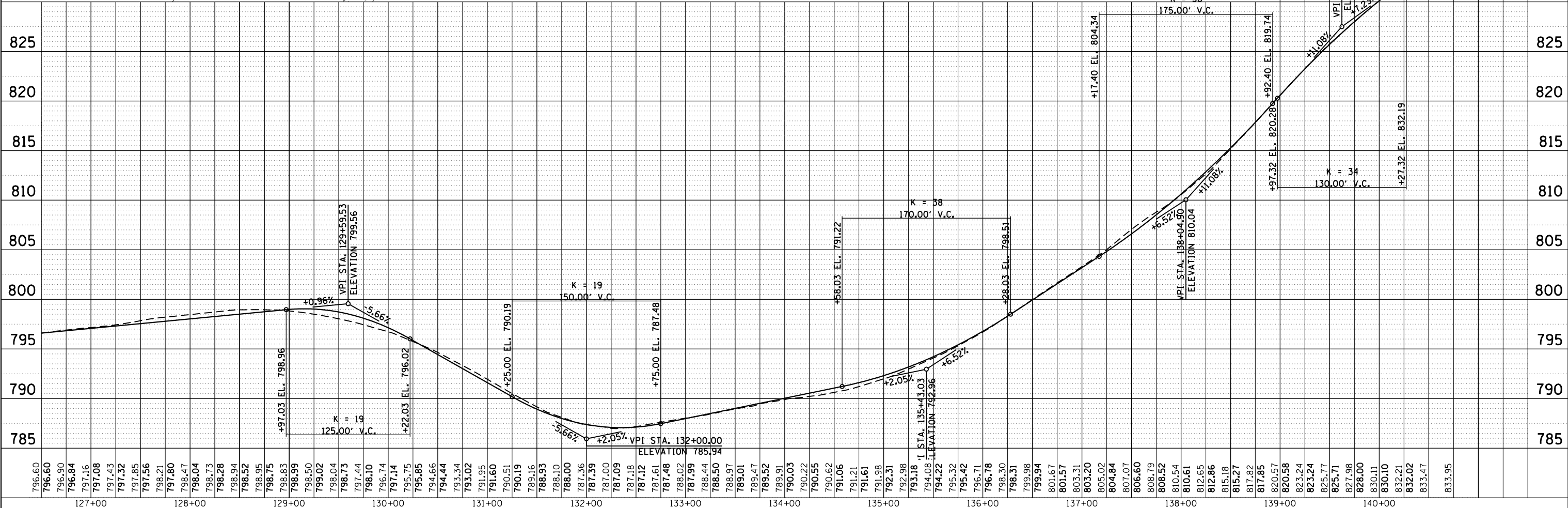
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-571-p1pr-f-Souwanas-03.dgn
 PEN TABLE: p1pr.tbl



NOTE: ALL DRIVEWAYS TO BE PCC PAVEMENT.
 THE WTP DRIVEWAY PAVEMENTS AND ACCOMPANYING SIDEWALK AT THE ENTRANCES SHALL BE 8-INCHES THICK PER THE VILLAGE DETAILS AND PROJECT SPECIFICATIONS.



USER NAME	= jstrzal
DESIGNED	- JS
DRAWN	- DMS
CHECKED	-
DATE	-

DESIGNED	- JS	REVISED	-
DRAWN	- DMS	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
 SOUWANAS TRAIL

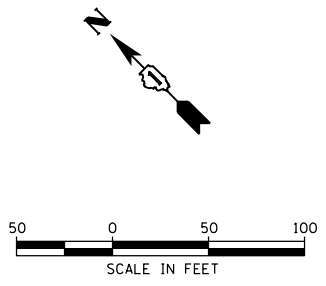
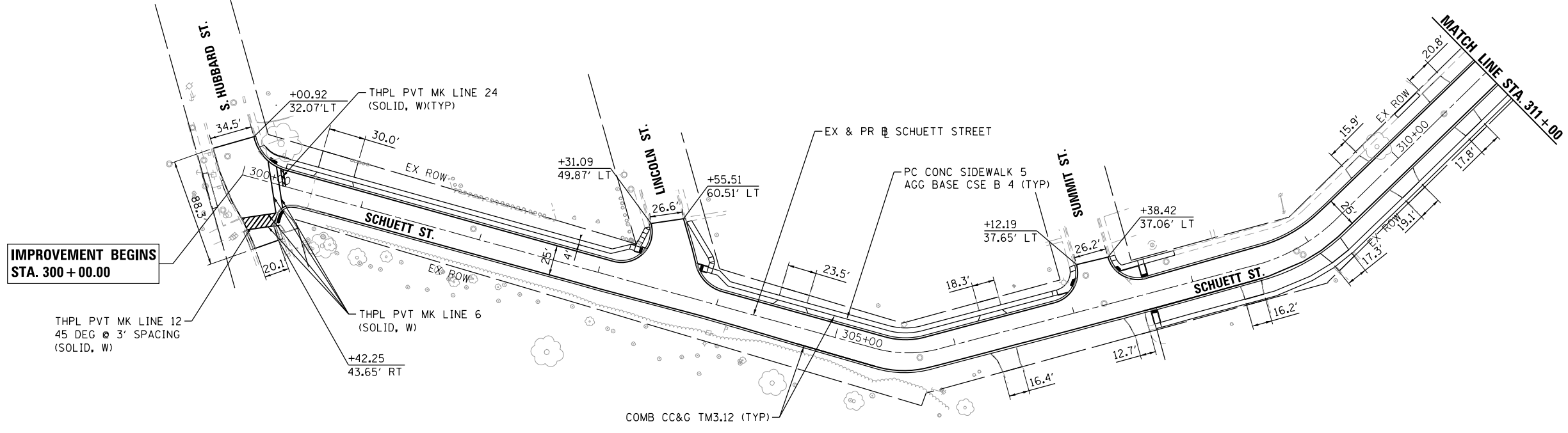
SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 126+50 TO STA. 140+37.31

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	28
CONTRACT NO. 61H80				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	DATE	
	BY	
	NO.	
	NO.	

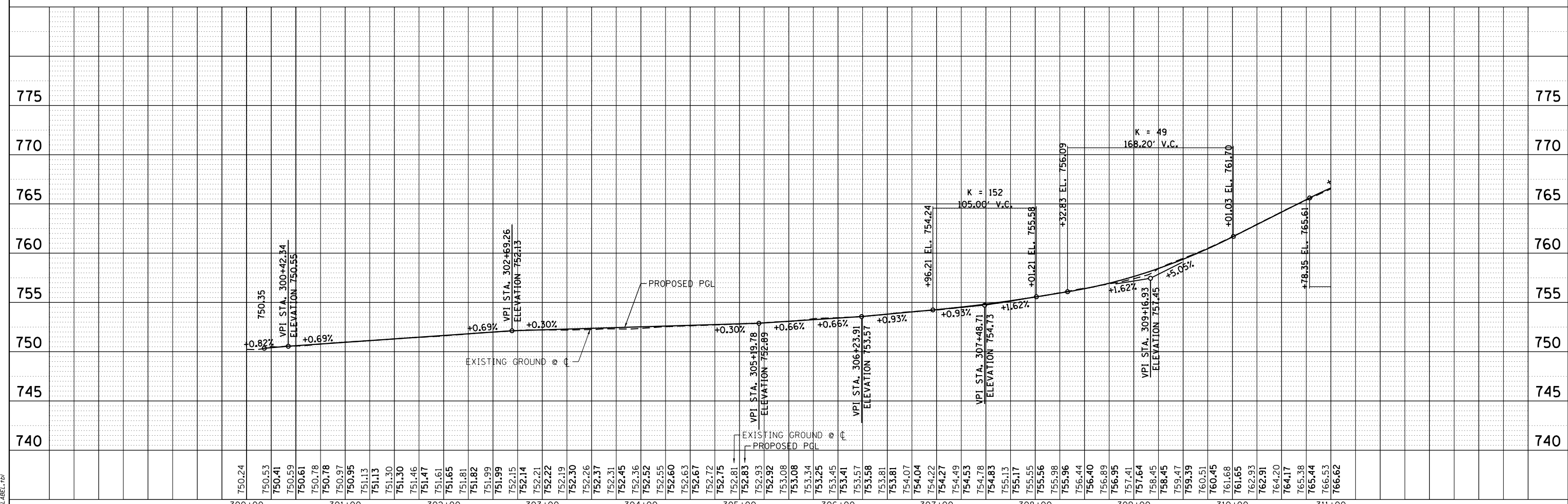
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	NO.	

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-00-p1p1p1p1-Schuett+02.dgn
 PEN TABLE: PLOT LABEL.tbl



IMPROVEMENT BEGINS STA. 300+00.00

NOTE: ALL DRIVEWAYS TO BE PCC PAVEMENT.



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 #184-001322

USER NAME = dstancz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0004' / 1"	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

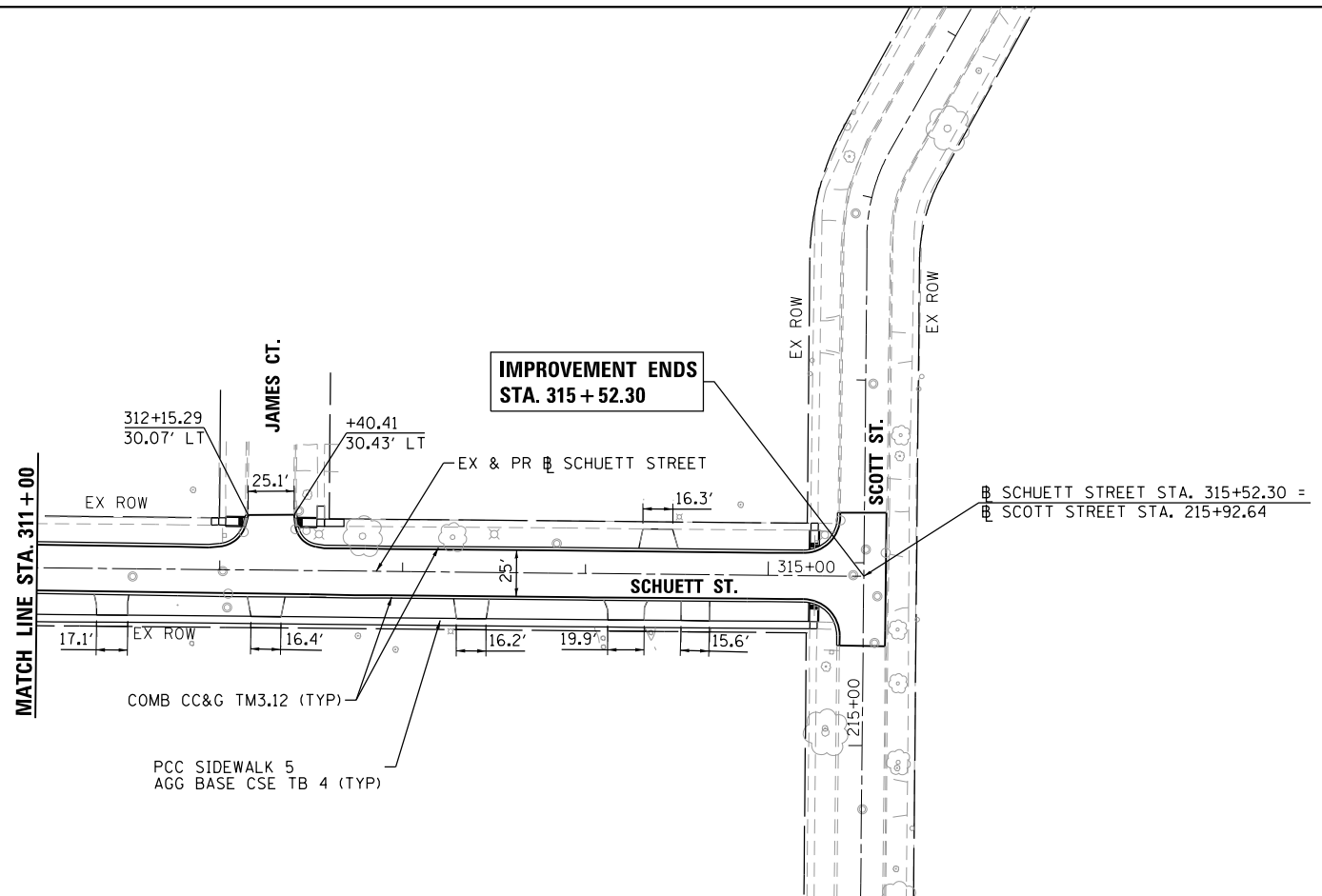
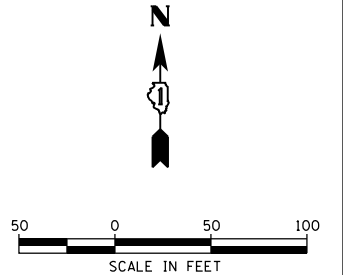
ROADWAY PLAN AND PROFILE
SCHUETT STREET
 SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 300+18 TO STA. 311+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	29
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61H80	

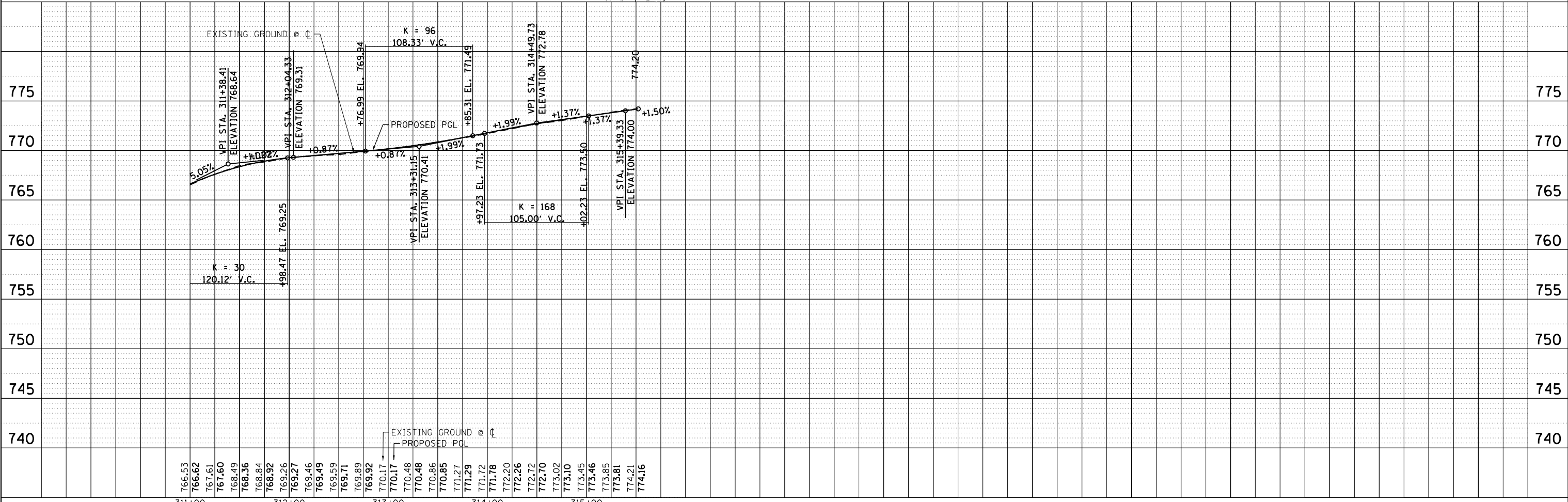
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	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO. _____		
	NO. _____		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		
	NO. _____		
	NO. _____		

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-311+00-315+52.30-Schuett-Profile.dgn
 PEN TABLE: PLOT/LABEL.tbl



NOTE: ALL DRIVEWAYS TO BE PCC PAVEMENT.



766.53	766.62	767.61	767.60	768.36	768.84	768.92	769.26	769.27	769.46	769.49	769.59	769.71	769.89	769.92	770.17	770.17	770.48	770.86	770.85	771.27	771.29	771.72	771.78	772.20	772.26	772.72	772.70	773.02	773.10	773.45	773.46	773.85	773.81	774.21	774.16	
311+00	312+00	313+00	314+00	315+00																																



USER NAME = dstancz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0004' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE			
SCHUETT STREET			
SCALE: 1"=50'	SHEET 7	OF 7 SHEETS	STA. 311+00 TO STA. 315+52.30

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	30
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

RESIDENT ACCESS:

THERE ARE SIX (6) HOMES ON WAKIGAN TRAIL AND ONE (1) WITH ACCESS OFF SOUWANAS TRAIL WITHIN THE CLOSED ROADWAY SEGMENT. THE CONTRACTOR MUST MAINTAIN ACCESS TO THESE PROPERTIES THROUGHOUT THE DURATION OF CONSTRUCTION. THIS WORK WILL BE PAID PER EACH FOR TEMPORARY ACCESS (ROAD) AND (PRIVATE ENTRANCE) AS APPLICABLE.

DIRECTION SIGNS

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

ARROW SIGNS

	M5-1L-2115
	M5-1R-2115
	M6-1-2115
	M6-2-2115
	M6-3-2115

ROUTE SIGNS

Souwanas Trail	UNMARKED ROUTES SPECIAL 24"x18"
----------------	---------------------------------

NOTE:

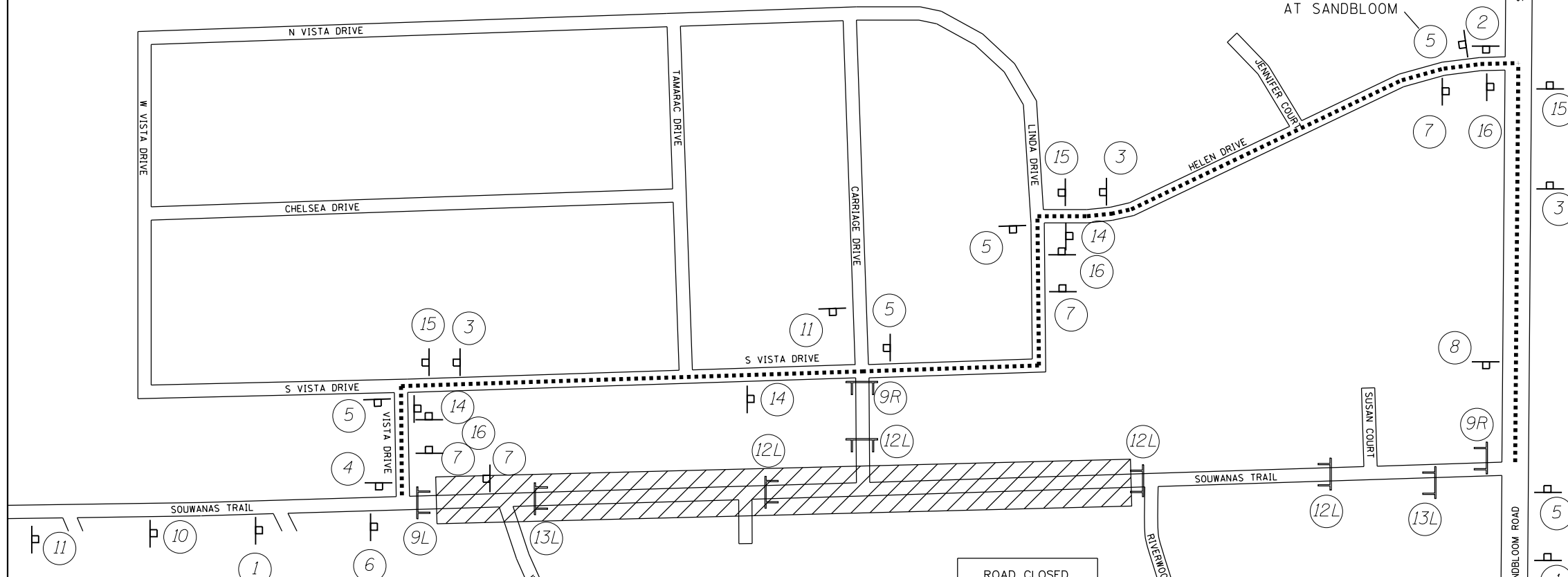
LETTERING SHALL BE 6" BLACK LETTERS ON ORANGE BACKGROUND FOR STREET NAME SIGNS AND INFORMATIONAL SIGNS.

REQUIRED SIGN PANELS WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

DETOUR LEGEND

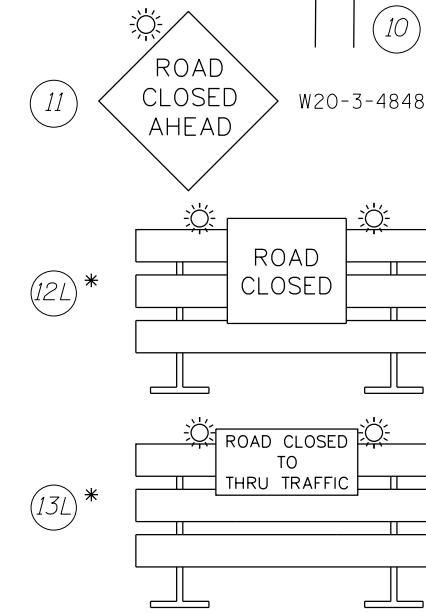
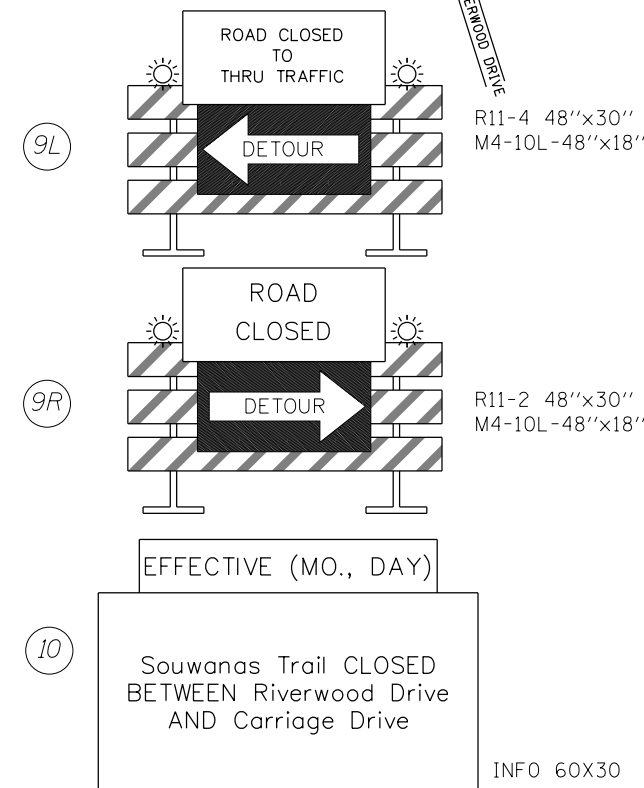
	DETOUR ROUTE
	DETOUR GUIDE SIGN
	BARRICADE, TYPE III
	WORK ZONE

* NOTE: SIGNS ARE TO BE MOUNTED ABOVE BARRICADE RAILS.



SIGN LEGEND

1	2	7	8
3	4	14	15
5	6	16	



HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SN-DETOUR.dgn
 PEN TABLE: 17425.tbl

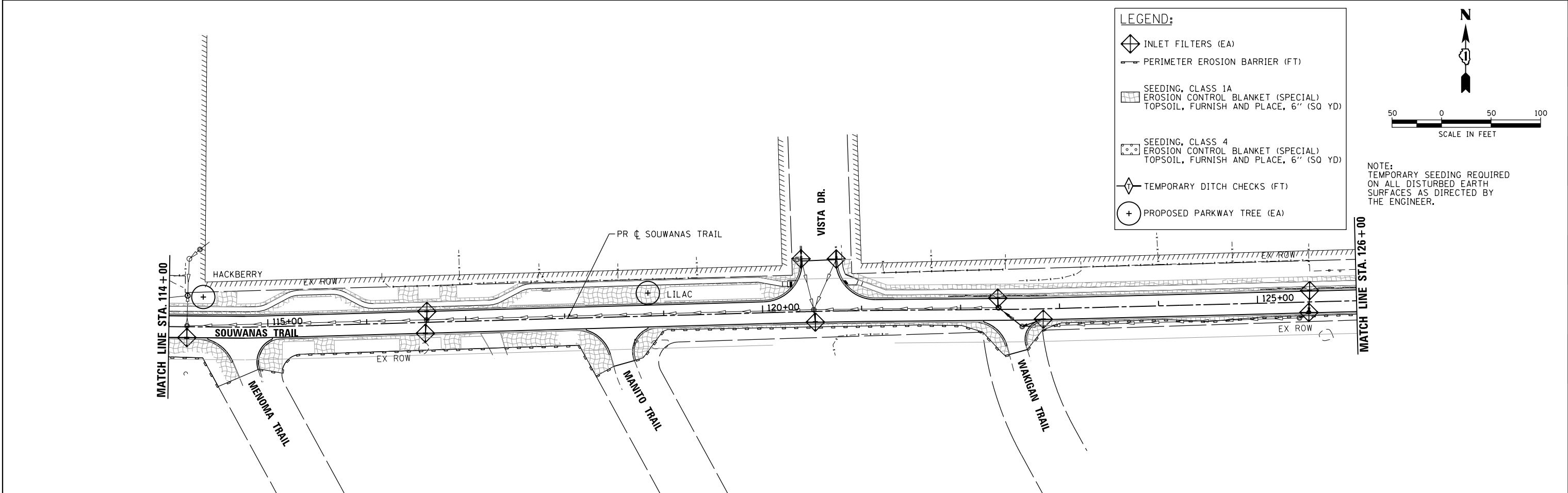
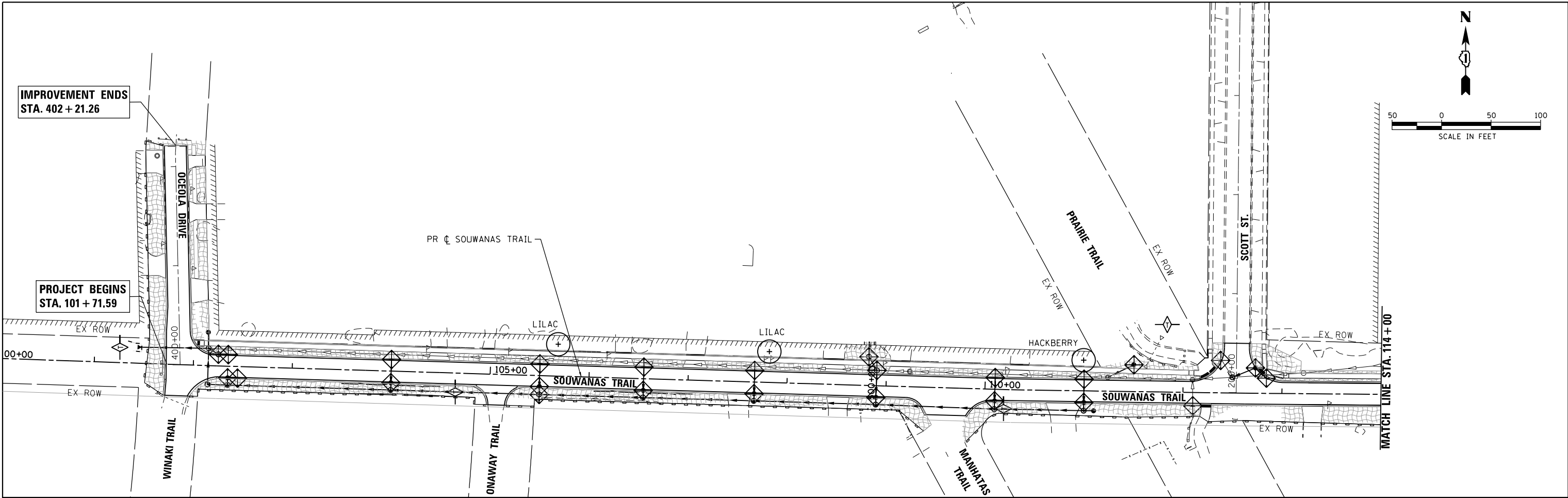
HRGreen.com
 HRGreen
 #184-001322

USER NAME = jstrzal	DESIGNED - JS	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE = 1/9/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED DETOUR PLAN
 SOUWANAS TRAIL & SCHUETT STREET
 SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	31
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



LEGEND:

- INLET FILTERS (EA)
- PERIMETER EROSION BARRIER (FT)
- SEEDING, CLASS 1A
EROSION CONTROL BLANKET (SPECIAL)
TOPSOIL, FURNISH AND PLACE, 6" (SQ YD)
- SEEDING, CLASS 4
EROSION CONTROL BLANKET (SPECIAL)
TOPSOIL, FURNISH AND PLACE, 6" (SQ YD)
- TEMPORARY DITCH CHECKS (FT)
- PROPOSED PARKWAY TREE (EA)

NOTE:
TEMPORARY SEEDING REQUIRED
ON ALL DISTURBED EARTH
SURFACES AS DIRECTED BY
THE ENGINEER.

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-eros-Souwanas-01.dgn
 PEN TABLE: 10/14/2022



USER NAME = jstrzal	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0002' / 1"	CHECKED -	REVISED -
PLOT DATE = 12/18/2022	DATE -	REVISED -







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
SOUWANAS TRAIL & OCEOLA DRIVE**

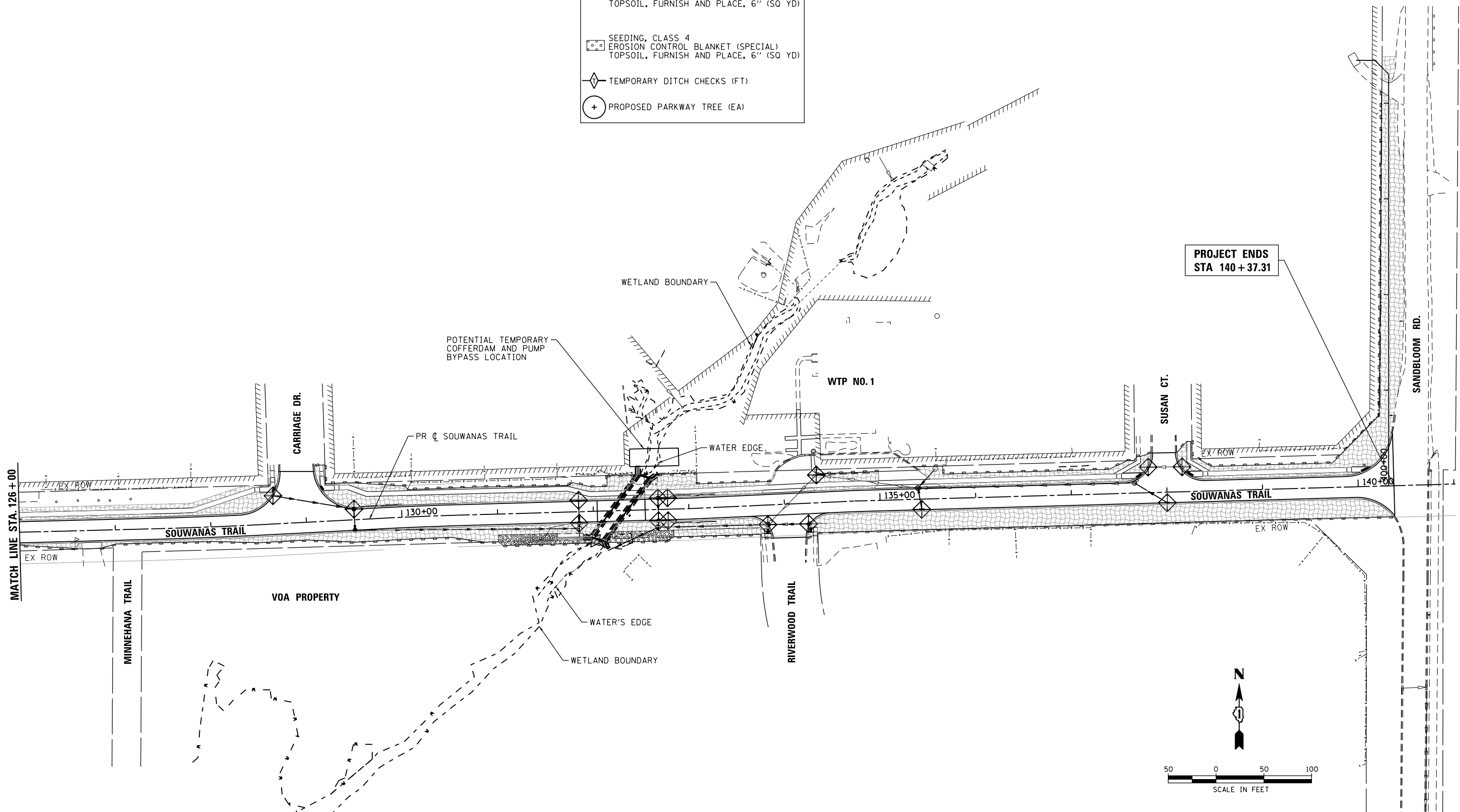
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 101+71.59 TO STA. 126+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

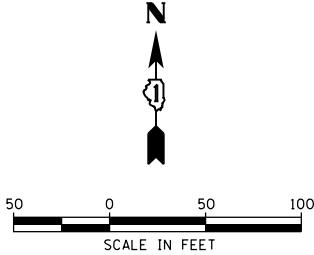
LEGEND:

-  INLET FILTERS (EA)
-  PERIMETER EROSION BARRIER (FT)
-  SEEDING, CLASS 1A
EROSION CONTROL BLANKET (SPECIAL)
TOPSOIL, FURNISH AND PLACE, 6" (SQ YD)
-  SEEDING, CLASS 4
EROSION CONTROL BLANKET (SPECIAL)
TOPSOIL, FURNISH AND PLACE, 6" (SQ YD)
-  TEMPORARY DITCH CHECKS (FT)
-  PROPOSED PARKWAY TREE (EA)

NOTE:
TEMPORARY SEEDING REQUIRED
ON ALL DISTURBED EARTH
SURFACES UPON DIRECTION OF
THE ENGINEER.



**PROJECT ENDS
STA 140+37.31**



HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-eros-Souwanas-02.dgn
 PEN TABLE: plotTable.tbl



USER NAME = jstrzal	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
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PLOT DATE = 12/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**







**EROSION CONTROL PLAN
SOUWANAS TRAIL**

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 126+00 TO STA. 140+37.31


F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	33
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

IMPROVEMENT BEGINS
STA. 300+00.00

LEGEND:

-  INLET FILTERS (EA)
-  PERIMETER EROSION BARRIER (FT)
-  SEEDING, CLASS 1A
EROSION CONTROL BLANKET (SPECIAL)
TOPSOIL, FURNISH AND PLACE, 6" (SQ YD)
-  SEEDING, CLASS 4
EROSION CONTROL BLANKET (SPECIAL)
TOPSOIL, FURNISH AND PLACE, 6" (SQ YD)
-  TEMPORARY DITCH CHECKS (FT)
-  PROPOSED PARKWAY TREE (EA)

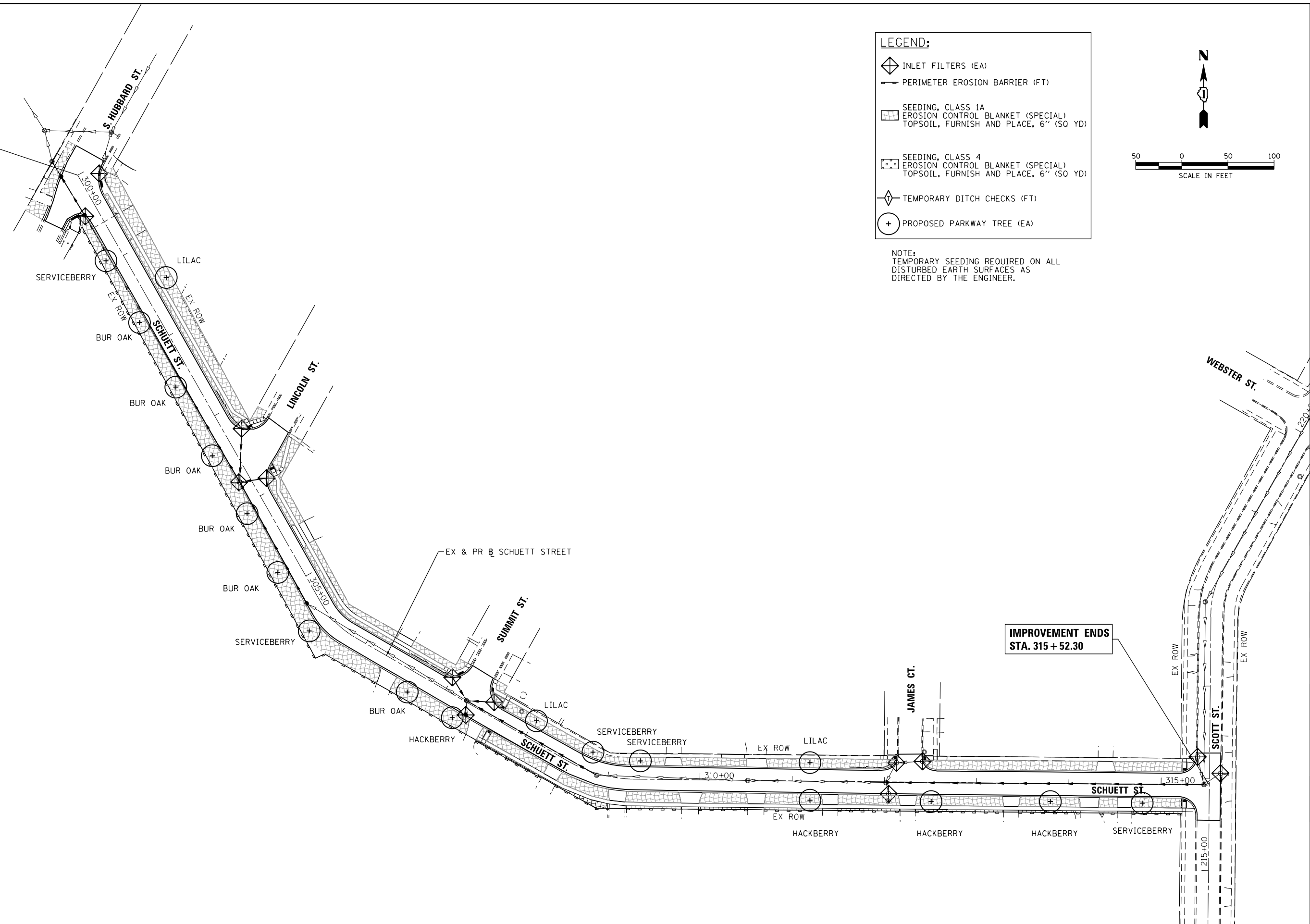
N



50 0 50 100

SCALE IN FEET

NOTE:
TEMPORARY SEEDING REQUIRED ON ALL
DISTURBED EARTH SURFACES AS
DIRECTED BY THE ENGINEER.



IMPROVEMENT ENDS
STA. 315+52.30

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SHT-eros-Schuett-01.dgn
 PEN TABLE: p101tbl.tbl

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

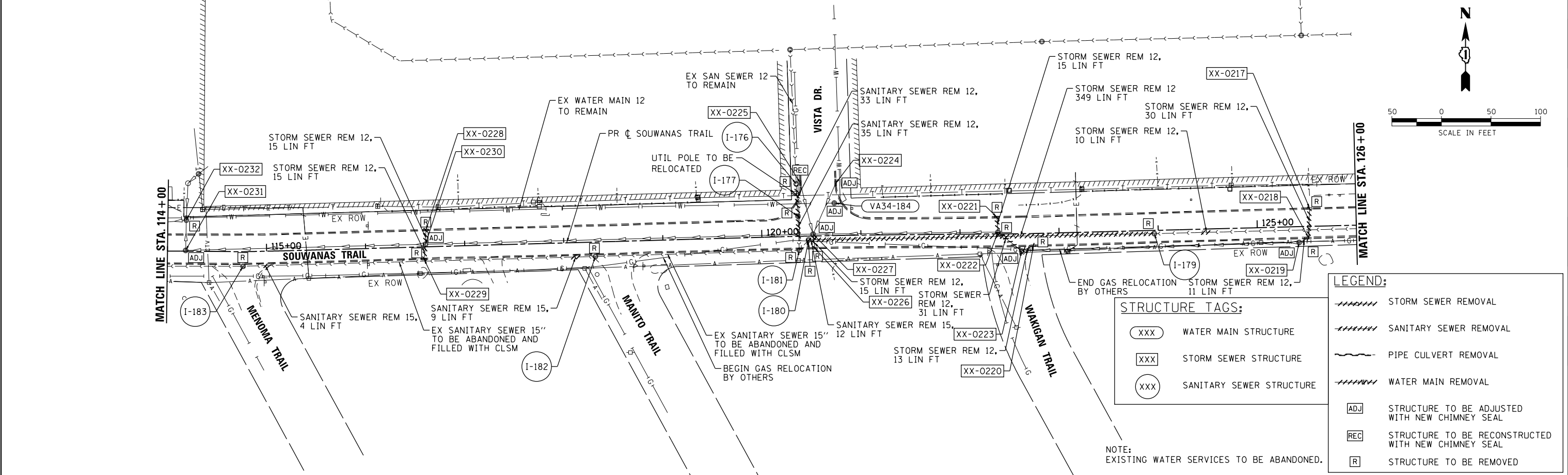
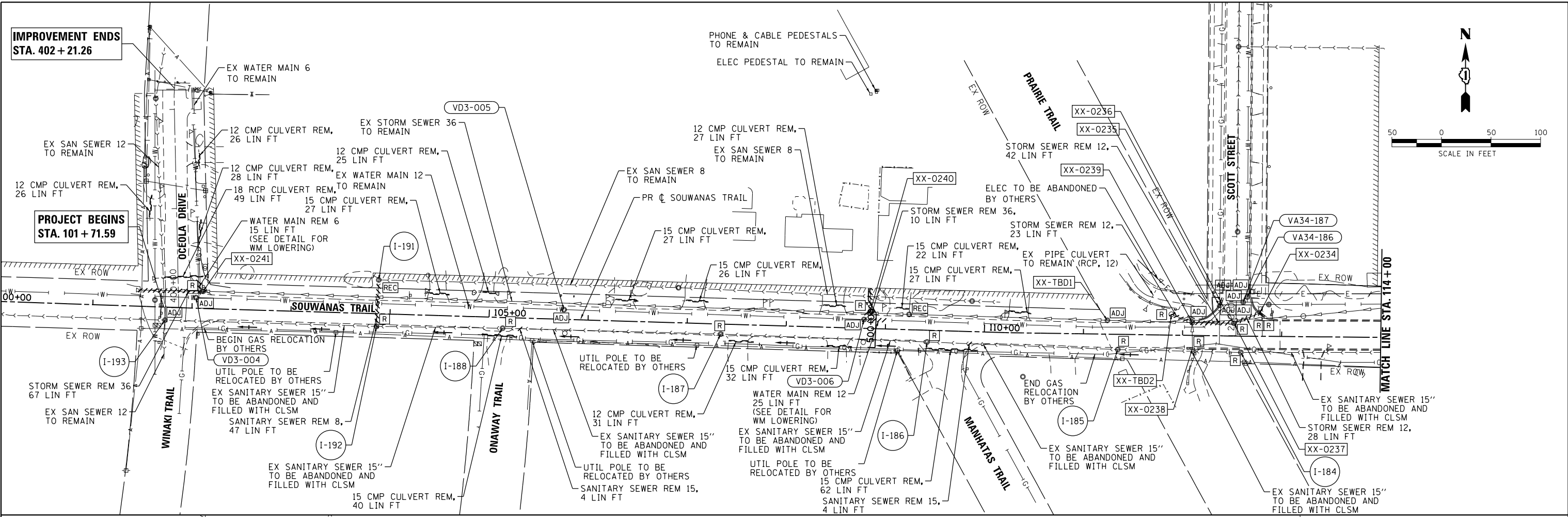
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	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0002' / 1" =	CHECKED -	REVISED -
PLOT DATE = 12/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
SCHUETT STREET**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 300+18 TO STA. 315+52.30

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	



LEGEND:

- STORM SEWER REMOVAL
- SANITARY SEWER REMOVAL
- PIPE CULVERT REMOVAL
- WATER MAIN REMOVAL
- STRUCTURE TO BE ADJUSTED WITH NEW CHIMNEY SEAL
- STRUCTURE TO BE RECONSTRUCTED WITH NEW CHIMNEY SEAL
- STRUCTURE TO BE REMOVED

STRUCTURE TAGS:

- WATER MAIN STRUCTURE
- STORM SEWER STRUCTURE
- SANITARY SEWER STRUCTURE

NOTE: EXISTING WATER SERVICES TO BE ABANDONED.

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17-00092-00-PV-drainrem-Souwanas-01.dgn
 PEN TABLE: PLOT LABEL.tbl

HRGreen.com
 Micro Professional Design Firm
 #184-001322
 HRGreen.

USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0004' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY REMOVAL & ADJUSTMENT PLAN
SOUWANAS TRAIL & OCEOLA DRIVE
 SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 101+71.59 TO STA. 126+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	35
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

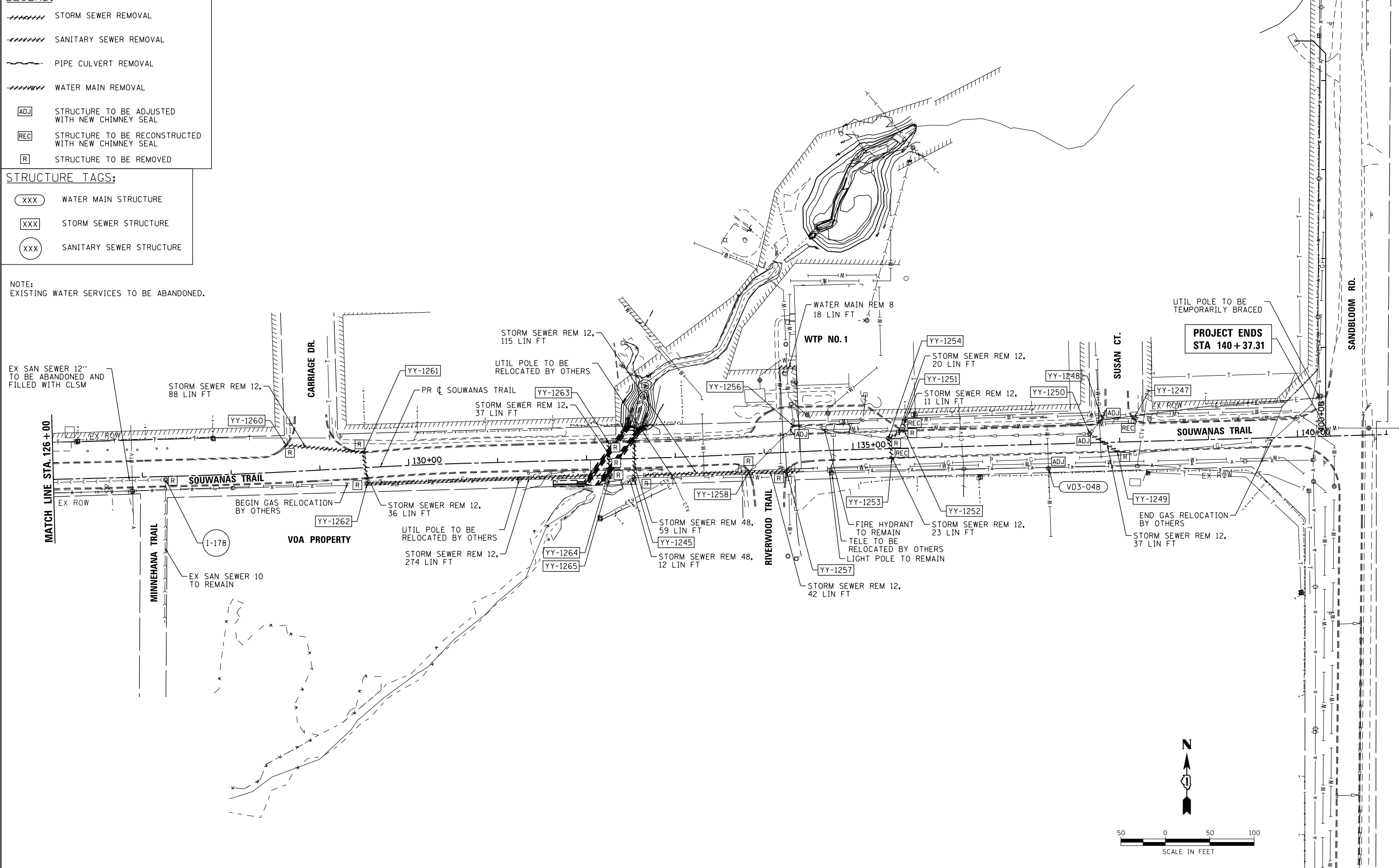
LEGEND:

- STORM SEWER REMOVAL
- SANITARY SEWER REMOVAL
- PIPE CULVERT REMOVAL
- WATER MAIN REMOVAL
- STRUCTURE TO BE ADJUSTED WITH NEW CHIMNEY SEAL
- STRUCTURE TO BE RECONSTRUCTED WITH NEW CHIMNEY SEAL
- STRUCTURE TO BE REMOVED

STRUCTURE TAGS:

- WATER MAIN STRUCTURE
- STORM SEWER STRUCTURE
- SANITARY SEWER STRUCTURE

NOTE:
EXISTING WATER SERVICES TO BE ABANDONED.



HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17-00092-00-PV-drainage-Souwanas-02.dgn
 PEN TABLE: PLOT LABEL.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

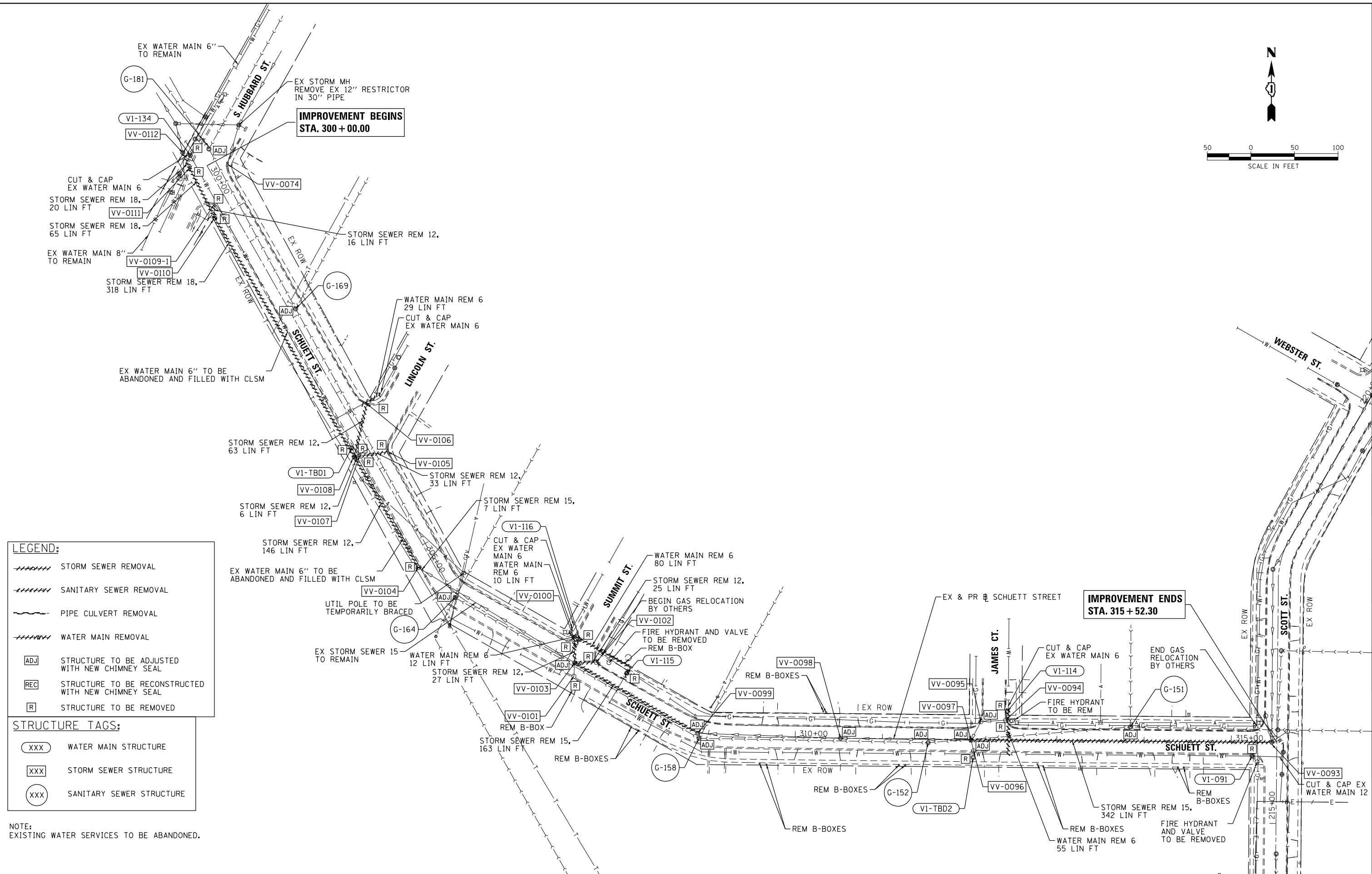
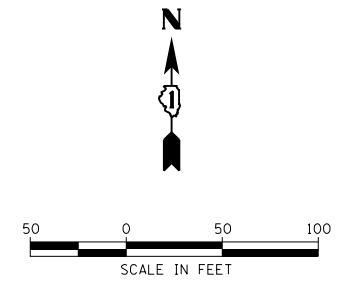
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	DRAWN - DMS	REVISED -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY REMOVAL & ADJUSTMENT PLAN
SOUWANAS TRAIL

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 126+00 TO STA. 140+37.31

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS
• 4003, 4004	17-00092-00-PV	MCHENRY	123
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	SHEET NO. 36
			CONTRACT NO. 61H80



- LEGEND:**
- STORM SEWER REMOVAL
 - SANITARY SEWER REMOVAL
 - PIPE CULVERT REMOVAL
 - WATER MAIN REMOVAL
 - STRUCTURE TO BE ADJUSTED WITH NEW CHIMNEY SEAL
 - STRUCTURE TO BE RECONSTRUCTED WITH NEW CHIMNEY SEAL
 - STRUCTURE TO BE REMOVED

- STRUCTURE TAGS:**
- WATER MAIN STRUCTURE
 - STORM SEWER STRUCTURE
 - SANITARY SEWER STRUCTURE

NOTE:
EXISTING WATER SERVICES TO BE ABANDONED.

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SHT-drainrem-Schuett-00.dwg
 PEN TABLE: PLOT LABEL.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0004' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY REMOVAL & ADJUSTMENT PLAN
SCHUETT STREET

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 300+18 TO STA. 315+23.0

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	37
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

STORM SEWER REMOVALS 12"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
PR_SOUWANAS	XX-0237	112+52	-12.5	XX-0234	112+78	-23.3	28.0
PR_SOUWANAS	XX-0239	112+09	-12.9	XX-0237	112+52	-12.5	42.0
PR_SOUWANAS	XX-TB02	111+89	-21.1	XX-0239	112+09	-12.9	23.0
PR_SOUWANAS	XX-0228	116+61	-17.1	XX-0230	116+61	-2.6	15.0
PR_SOUWANAS	XX-0229	116+59	12.5	XX-0230	116+61	-2.6	15.0
PR_SOUWANAS	XX-0226	120+53	12.5	XX-0227	120+52	-1.7	15.0
PR_SOUWANAS	XX-0221	122+37	-16.5	XX-0222	122+37	-1.8	15.0
PR_SOUWANAS	XX-0222	122+37	-1.8	XX-0223	122+62	17.9	31.0
PR_SOUWANAS	XX-0220	122+74	12.9	XX-0223	122+62	17.9	13.0
PR_SOUWANAS	XX-0218	125+52	12.2	XX-0219	125+42	16.4	11.0
PR_SOUWANAS	XX-0217	125+53	-17.7	XX-0218	125+52	12.2	30.0
PR_SOUWANAS	YY-1260	128+63	-30.0	YY-1261	129+50	-17.4	88.0
PR_SOUWANAS	YY-1261	129+50	-17.4	YY-1262	129+52	18.1	36.0
PR_SOUWANAS	YY-1261	129+50	-17.4	YY-1265	132+25	11.1	274.0
PR_SOUWANAS	YY-1263	132+25	-19.5	YY-1265	132+25	11.1	37.0
PR_SOUWANAS	EX FES	132+67	18.9	YY-1258	133+81	21.1	115.0
PR_SOUWANAS	YY-1258	133+81	21.1	YY-1257	134+24	19.2	42.0
PR_SOUWANAS	YY-1253	135+43	10.7	YY-1254	135+40	-11.7	23.0
PR_SOUWANAS	YY-1252	135+58	-19.8	YY-1251	135+58	-31.1	11.0
PR_SOUWANAS	YY-1252	135+58	-19.8	YY-1254	135+40	-11.7	20.0
PR_SOUWANAS	YY-1249	137+97	10.6	YY-1250	137+66	-10.4	37.0
EX_SCHUETT	VV-0106	303+28	-24.2	VV-0108	303+73	17.9	63.0
EX_SCHUETT	VV-0105	303+73	18.4	VV-0107	303+88	-18.2	33.0
EX_SCHUETT	VV-0107	303+74	18.4	VV-0108	303+76	12.8	6.0
EX_SCHUETT	VV-0100	307+12	-24.5	VV-0103	307+26	-1.4	27.0
EX_SCHUETT	VV-0103	307+26	-1.4	VV-0101	307+32	12.4	15.0
EX_SCHUETT	VV-0102	307+26	-1.4	VV-0103	307+47	-14.4	25.0
EX_SCHUETT	VV-0109-1	300+43	14.9	VV-0110	300+56	22.0	16.0
EX_SCHUETT	VV-0104	303+74	18.4	VV-0108	303+73	18.4	146.0
TOTAL:							1,252.0

STORM SEWER REMOVALS 15"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
EX_SCHUETT	VV-0104	305+20.13	17.3	699	305+26	14.0	7.0
EX_SCHUETT	VV-0099	307+26	-1.4	VV-0103	308+89	0.7	163.0
EX_SCHUETT	VV-0093	312+02	0.8	VV-0097	315+47	-0.5	342.0
PR-RYD	XX-0240	500+38	-5.2	EX FES	502+38	1.4	200.0
TOTAL:							712.0

STORM SEWER REMOVALS 18"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
EX_SCHUETT	VV-0111	299+75	12.3	VV-0112	299+81	18.4	20.0
EX_SCHUETT	VV-0110	299+81	18.4	VV-0111	300+57	22.0	65.0
EX_SCHUETT	VV-0108	300+57	22.0	VV-0110	303+74	18.4	318.0
TOTAL:							403.0

STORM SEWER REMOVALS 36"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
SOUWANAS	EX-FES	101+44	-16.3	XX-0241	102+11	-17.3	67.0
SOUWANAS	NA	108+84	-15.5	NA	109+03.56	-8.8	10.0
TOTAL:							77.0

STORM SEWER REMOVALS 48"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
SOUWANAS	EX FES	132+55	-35.6	YY-1245	132+53	23.5	59.0
SOUWANAS	YY-1245	132+53	23.5	EX FES	132+41	27.2	12.0
TOTAL:							71.0

CULVERT REMOVALS

OFF	TO STA	OFF	PIPE DIA. (IN.)	LENGTH (FT)
-28.8	102+12	-32.9	18	49.0
-22.1	104+59	-21.9	15	27.0
-24.3	105+08	-24.7	12	25.0
18.0	105+29	18.4	15	40.0
-21.0	106+50	-21.4	15	27.0
-22.3	107+21	-22.5	15	26.0
17.1	107+68	16.7	12	31.0
-21.6	108+60	-22.2	12	27.0
19.4	108+67	18.5	15	32.0
-21.1	109+25	-21.5	15	23.0
18.9	109+95	18.6	15	62.0
-21.5	110+47	-20.2	15	27.0
23.4	400+88	24.0	12	26.0
-27.6	401+14	-25.3	12	26.0
24.4	401+56	24.0	12	28.0
TOTAL:				476.0

SANITARY SEWER REMOVALS 8"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
PR_SOUWANAS	I-191	103+87.6	-34.1	I-192	103+86.7	12.8	47.0
TOTAL:							47.0

SANITARY SEWER REMOVALS 12"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
PR_SOUWANAS	I-176	120+35	53.1	I-177	120+36	-20.2	33.0
PR_SOUWANAS	I-177	120+36	-20.2	I-181	120+38	14.2	35.0
PR_SOUWANAS	I-180	120+47	3.9	I-179	123+96	3.5	349.0
PR_SOUWANAS	PLUG	124+45	3.3	PLUG	124+55	3.3	10.0
TOTAL:							427.0

SANITARY SEWER REMOVALS 15"

ALIGNMENT	STR #	STA	OFF	TO STR #	TO STA	OFF	LENGTH (FT)
PR_SOUWANAS	I-188	105+14	10.8	PLUG	105+18	10.8	4.0
PR_SOUWANAS	PLUG	105+30	13.0	PLUG	105+34	8.8	4.0
PR_SOUWANAS	PLUG	109+84	14.5	PLUG	109+88	10.4	4.0
PR_SOUWANAS	PLUG	118+08	16.8	I-182	118+31	14.8	9.0
PR_SOUWANAS	I-180	120+48	3.7	I-181	120+38	13.8	12.0
TOTAL:							33.0

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-drain-adjustment-schedule.dgn
 PEN TABLE: ptable.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM SEWER, SANITARY SEWER & CULVERT REMOVAL SCHEDULE
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	38
•	4003, 4004	CONTRACT NO. 61H80		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STORM STRUCTURE ADJUSTMENT SCHEDULE

VILLAGE TAG ID	GEOPAK ALIGNMENT	STATION	OFFSET (LT "-" , RT "+") (FOOT)	RIM ELEVATION	FRAMES & LIDS TO BE ADJUSTED (SPECIAL)	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	DRAINAGE STRUCTURE REPAIR	NOTES
					X6030310 (EACH)	60500040 (EACH)	60500050 (EACH)	60500060 (EACH)	Z0018300 (EACH)	
SOUWANAS TRAIL										
XX-0241	PR_SOUWANAS	102+10.76	17.33' LT	-		1				
XX-0240	PR_SOUWANAS	108+83.93	15.52' LT	-		1				
NA	PR_SOUWANAS	109+23.6	15.5' LT	743.01					1	REPLACE W/ NEW TIFOL
XX-TBD1	PR_SOUWANAS	111+23.93	14.00' LT	748.67	1					REPLACE W/ NEW T8 GRATE
XX-TBD2	PR_SOUWANAS	111+88.56	20.95' LT	-			1			
XX-0239	PR_SOUWANAS	112+09.58	12.93' LT	751.10	1					
XX-0238	PR_SOUWANAS	112+10.08	13.48' RT	-				1		
XX-0235	PR_SOUWANAS	112+37.1	31.4' LT	-	1					
XX-0236	PR_SOUWANAS	112+38.2	33.8' LT	-	1					
XX-0234	PR_SOUWANAS	112+77.91	23.57' LT	-				1		
NA	PR_SOUWANAS	112+80.5	21.6' LT	-				1		
XX-0237	PR_SOUWANAS	112+51.74	12.84' LT	-		1				
XX-0231	PR_SOUWANAS	114+18.32	0.80' LT	754.95	1					
XX-0232	PR_SOUWANAS	114+18.71	31.37' LT	-		1				
XX-0229	PR_SOUWANAS	116+58.69	12.47' RT	-				1		
XX-0230	PR_SOUWANAS	116+60.54	2.58' LT	758.30	1					
XX-0228	PR_SOUWANAS	116+61.26	17.06' LT	-				1		
XX-0225	PR_SOUWANAS	120+40.11	53.48' LT	-					1	
XX-0227	PR_SOUWANAS	120+51.68	1.88' LT	774.52	1					
XX-0226	PR_SOUWANAS	120+53.19	12.35' RT	-				1		
XX-0224	PR_SOUWANAS	120+75.37	52.62' LT	-	1					
XX-0221	PR_SOUWANAS	122+37.23	16.94' LT	-				1		
XX-0222	PR_SOUWANAS	122+38.34	1.81' LT	-		1				
XX-0223	PR_SOUWANAS	122+62.00	17.46' RT	786.15	1					
XX-0220	PR_SOUWANAS	122+73.72	12.38' RT	-				1		
XX-0217	PR_SOUWANAS	125+53.32	18.16' LT	-				1		
XX-0218	PR_SOUWANAS	125+51.56	11.67' RT	-				1		
XX-0219	PR_SOUWANAS	125+41.89	15.92' RT	795.25	1					
YY-1260	PR_SOUWANAS	128+63.20	30.04' LT	-				1		
YY-1261	PR_SOUWANAS	129+49.99	17.38' LT	-				1		
YY-1262	PR_SOUWANAS	129+52.21	18.07' RT	-		1				
YY-1264	PR_SOUWANAS	132+24.98	11.14' RT	-				1		
YY-1263	PR_SOUWANAS	132+25.19	19.45' LT	-				1		
YY-1265	PR_SOUWANAS	132+26.32	17.63' RT	-		1				
YY-1245	PR_SOUWANAS	132+53.22	23.53' RT	-		1				
YY-1258	PR_SOUWANAS	133+81.63	20.49' RT	-		1				
YY-1257	PR_SOUWANAS	134+24.19	21.56' RT	-				1		
YY-1256	PR_SOUWANAS	134+34.69	29.02' LT	790.64	1					
YY-1254	PR_SOUWANAS	135+40.07	11.69' LT	-		1				
YY-1253	PR_SOUWANAS	135+43.32	10.74' RT	793.58					1	
YY-1252	PR_SOUWANAS	135+57.94	19.82' LT	-				1		
YY-1251	PR_SOUWANAS	135+58.51	31.12' LT	793.70					1	
YY-1250	PR_SOUWANAS	137+66.49	10.44' LT	793.80	1					
YY-1248	PR_SOUWANAS	137+81.12	26.77' LT	-	1					
YY-1249	PR_SOUWANAS	137+96.98	10.59' RT	-				1		
YY-1247	PR_SOUWANAS	138+16.45	26.06' LT	811.25					1	
SCHUETT STREET										
VV-0111	EX_SCHUETT	299+92.4	18.8' RT	-				1		
VV-0074	EX_SCHUETT	300+09.82	21.15' LT	749.75	1					
VV-0109-1	EX_SCHUETT	300+42.66	14.97' RT	749.98				1		
VV-0110	EX_SCHUETT	300+56.6	22' RT	-		1				
VV-0106	EX_SCHUETT	303+27.68	24.29' LT	-				1		
VV-0107	EX_SCHUETT	303+75.81	12.84' RT	752.20				1		
VV-0108	EX_SCHUETT	303+73.7	18.4' RT	-		1				
VV-0105	EX_SCHUETT	303+87.58	18.19' LT	-				1		
VV-0104	EX_SCHUETT	305+20.13	17.34' RT	752.84		1				
VV-0100	EX_SCHUETT	307+11.65	24.07' LT	-				1		
VV-0103	EX_SCHUETT	307+25.78	1.42' LT	751.70	1					
VV-0102	EX_SCHUETT	307+46.63	14.37' LT	-				1		
VV-0101	EX_SCHUETT	307+32.59	12.43' RT	-			1			
VV-0099	EX_SCHUETT	308+88.10	1.90' RT	754.45	1					
VV-0098	EX_SCHUETT	310+51.97	0.14' RT	763.90	1					
VV-0097	EX_SCHUETT	312+01.69	0.79' RT	769.28	1					
VV-0095	EX_SCHUETT	312+12.80	20.66' LT	769.09	1					
VV-0096	EX_SCHUETT	312+04.71	13.09' RT	769.01	1					
VV-0094	EX_SCHUETT	312+41.13	22.50' LT	768.97				1		
TOTAL					20	13	2	25	5	

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-drain-adjstment-sched01.dgn
 PLOT DATE: 11/28/2022
 PEN TABLE: 17425.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM STRUCTURE ADJUSTMENT SCHEDULE
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	39
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

SANITARY STRUCTURE ADJUSTMENT SCHEDULE

VILLAGE TAG ID	GEOPAK ALIGNMENT	STATION	OFFSET (LT "-" RT "+") (FOOT)	RIM / BURY LINE ELEVATION	FRAMES & LIDS TO BE ADJUSTED (SPECIAL)	NEW T1FCL	SANITARY MANHOLES TO BE REMOVED	MANHOLE RECONSTRUCTION	NOTES
					X6030310 (EACH)	60406100 (EACH)	X6026054 (EACH)	SANITARY X6026051 (EACH)	
SOUWANAS TRAIL									
I-176	PR_SOUWANAS	120+35.96	52.87' LT	-			1		
I-177	PR_SOUWANAS	120+36.83	20.40' LT	-			1		
I-178	PR_SOUWANAS	127+26.11	3.67' RT	-			1		
I-179	PR_SOUWANAS	123+96.05	3.24' RT	-			1		
I-180	PR_SOUWANAS	120+47.02	3.87' LT	-			1		
I-181	PR_SOUWANAS	120+37.49	14.17' RT	-			1		
I-182	PR_SOUWANAS	118+31.50	14.58' RT	-			1		
I-183	PR_SOUWANAS	114+76.34	14.66' RT	-			1		
I-184	PR_SOUWANAS	112+59.09	16.43' RT	-			1		
I-185	PR_SOUWANAS	111+34.80	15.31' RT	-			1		
I-186	PR_SOUWANAS	109+42.57	11.87' RT	-			1		
I-187	PR_SOUWANAS	107+34.08	10.11' RT	-			1		
I-188	PR_SOUWANAS	105+13.98	10.82' RT	-			1		
I-191	PR_SOUWANAS	103+87.61	34.15' LT	738.36				1	
I-192	PR_SOUWANAS	103+86.66	12.76' RT	-			1		
I-193	PR_SOUWANAS	101+73.33	13.08' RT	732.17	1	1			EXISTING DROP MANHOLE
SCHUETT STREET									
G-151	EX_SCHUETT	313+84.20	16.18' LT	771.42	1	1			
G-152	EX_SCHUETT	311+52.42	4.19' RT	768.05	1	1			
G-158	EX_SCHUETT	308+91.07	7.01' RT	757.45	1	1			
G-164	EX_SCHUETT	305+70.19	4.32' RT	753.16	1	1			
G-169	EX_SCHUETT	301+92.82	7.27' LT	750.23	1	1			
G-181	EX_SCHUETT	299+84.3	11.4' LT	750.16	1	1			
TOTAL					7	7	14	1	

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SN-drain-adjustment-sched.dgn
 PLOT DATE: 11/28/2022
 PEN TABLE: plot.tbl



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	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY STRUCTURE ADJUSTMENT SCHEDULE
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	40
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

WATER STRUCTURE ADJUSTMENT SCHEDULE

VILLAGE TAG ID	GEOPAK ALIGNMENT	STATION	OFFSET (LT "-", RT "+") (FOOT)	RIM ELEVATION	FRAMES & LIDS TO BE ADJUSTED (SPECIAL)	
					X6030310 (EACH)	NEW T1FCL (EACH)
SOUWANAS TRAIL						
VD3-004	PR_SOUWANAS	102+03.85	10.70' LT	732.88	1	1
VD3-005	PR_SOUWANAS	105+75.38	9.81' LT	739.23	1	1
VD3-006	PR_SOUWANAS	108+78.26	8.92' LT	741.92	1	1
VA34-187	PR_SOUWANAS	112+60.70	34.24' LT	753.21	1	1
VA34-186	PR_SOUWANAS	112+65.05	39.63' LT	753.21	1	1
VA34-184	PR_SOUWANAS	120+73.63	32.73' LT	776.00	1	1
TOTAL					6	6

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SN-drain-adjustment-sched.dgn
 PLOT DATE: 11/28/2022 10:41:17
 PEN TABLE: plottable.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN STRUCTURE ADJUSTMENT SCHEDULE			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	41
• 4003, 4004		CONTRACT NO. 61H80		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

WATER MAIN REMOVALS, ADJUSTMENTS & CONNECTIONS

LOCATION					FIRE HYDRANTS TO BE REMOVED	VALVE VAULTS TO BE ADJUSTED	REMOVE EXISTING WATER VALVE	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	CUT AND CAP EXISTING 6" WATER MAIN	CUT AND CAP EXISTING 12" WATER MAIN	WATER MAIN REMOVAL 6"	WATER MAIN REMOVAL 8"	WATER MAIN REMOVAL 12"	WATER SERVICE CONNECTION (SHORT)	WATER SERVICE CONNECTION (LONG)
BEGIN STATION	BEGIN OFFSET (LT "-"/, RT "+") (FOOT)	END STATION	END OFFSET (LT "-"/, RT "+") (FOOT)	STREET ADDRESS	56400500 (EACH)	60265700 (EACH)	X0323449 (EACH)	X5610651 (FOOT)	X5630006 (EACH)	X5630012 (EACH)	X5610706 (FOOT)	X5610708 (FOOT)	X5610712 (FOOT)	X5620116 (EACH)	X5620118 (EACH)
HUBBARD STREET															
500+75.0	-22.50						1								
500+66.0	-27.20							1							
SCHUETT STREET															
500+68.0	-11.60	303+63.0	15.80					375.0							
303+24.0	-45.00								1						
303+26.0	-16.80	303+24.0	-45.10								29.0				
303+63.0	15.80						1								
303+63.0	15.80	307+17.0	-27.30					414.0							
307+17.0	-27.30						1								
307+03.0	-37.90	307+03.0	-27.30								10.0				
307+03.0	-27.30	307+17.0	-27.30								12.0				
307+17.0	-27.30	307+83.3	-17.70								80.0				
307+03.0	-37.90								1						
307+60.0	-21.20				1										
307+17.0	-27.30	307+83.0	-21.30					74.0							
307+83.0	-21.30						1								
307+83.0	-21.30	312+04.0	20.70					470.0							
312+04.0	20.70						1								
312+44.0	-38.50								1						
312+43.0	-32.60						1								
312+44.0	16.50	312+44.0	-38.50								55.0				
312+49.0	-21.99				1										
312+04.0	20.70	315+60.0	16.40					355.0							
315+24.0	15.70						1								
315+55.0	16.40									1					
315+30.0	22.40				1										
307+41.0	29.40			395										1	
307+78.0	-28.40			410											1
308+15.0	28.90			401										1	
308+25.0	28.80			409										1	
309+62.0	30.80			413										1	
309+69.0	30.70			417										1	
310+33.0	-26.70			414											1
310+38.0	-26.80			418											1
311+21.0	30.60			421										1	
311+29.0	30.50			425										1	
312+80.0	30.60			505										1	
312+88.0	30.50			509										1	
314+41.0	30.00			513										1	
314+48.0	29.90			517										1	
SOUWANAS TRAIL															
102+06.7	-10.70	102+05.7	-15.70								15.0				
107+79.6	22.81			325											1
108+25.3	22.94			345											1
108+78.3	-8.90	109+03.3	-8.80									25.0			
109+21.3	24.73			1010											1
110+51.7	21.20			1005											1
113+08.2	26.30			505											1
116+42.4	25.00			1025											1
116+84.4	25.10			605											1
134+22.0	-96.00	134+40.0	-96.00									18.0			
137+19.11	27.28					1									

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SWT-drain-adjustment-sched01.dgn
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PLOT DATE = 11/28/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN REMOVALS, ADJUSTMENTS & CONNECTIONS
SOUWANAS TRAIL & SCHUETT STREET

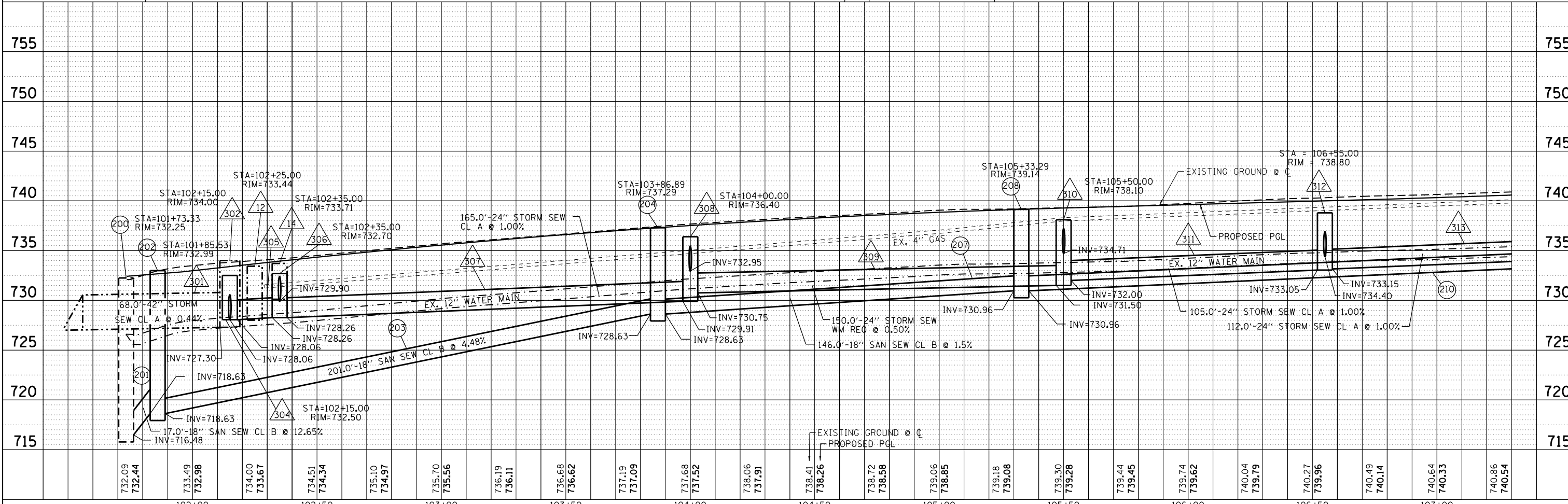
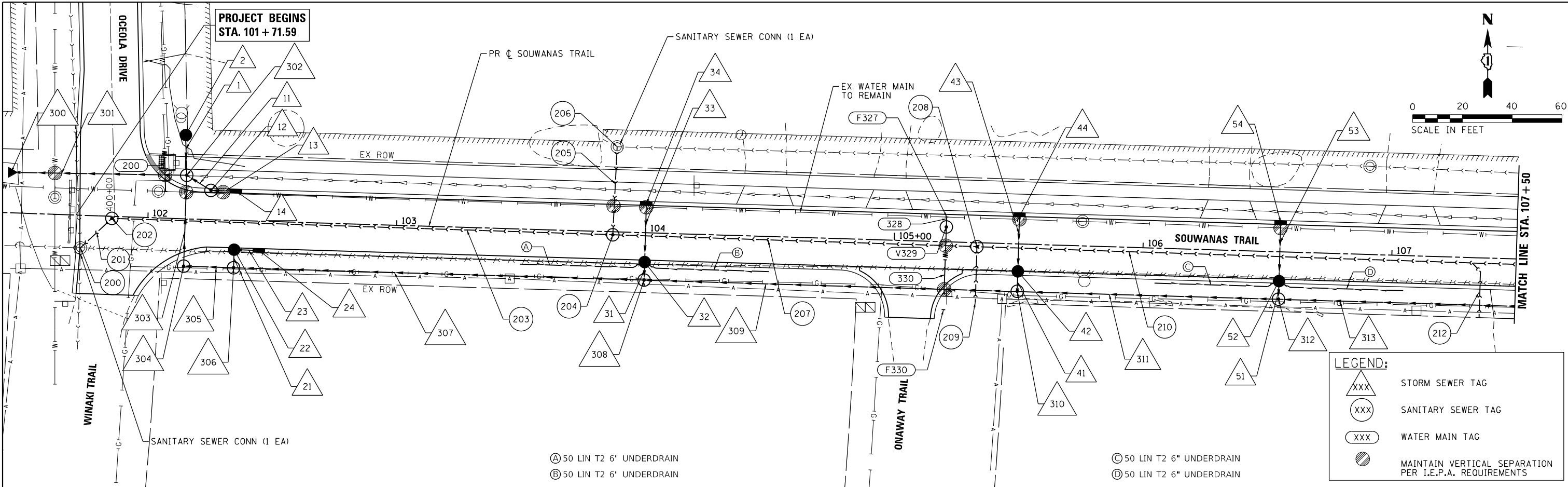
SCALE: NTS SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	42
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. OF SHEETS	
	FILE NAME	
	FILE NUMBER	
	FILE DATE	
	FILE TIME	
	FILE USER	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
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	FILE NAME	
	FILE NUMBER	
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	FILE TIME	
	FILE USER	

HRG PROJECT NO.: #PROJECT#
 HRG PROJ. CONTACT: #HRG#
 FILE NAME: #FILES#
 PEN TABLE: #PEN#
 HRGGreen.com
 Illinois Professional Design Firm
 #184-001322



102+00	102+50	103+00	103+50	104+00	104+50	105+00	105+50	106+00	106+50	107+00
732.09	733.49	734.00	735.10	736.19	737.19	738.06	739.18	739.74	740.04	740.49
732.44	732.98	733.67	734.97	736.68	737.09	738.58	739.08	739.62	740.14	740.86

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 #184-001322

USER NAME = #USER#	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = #SCALE#	CHECKED -	REVISED -
PLOT DATE = #DATE#	DATE -	REVISED -

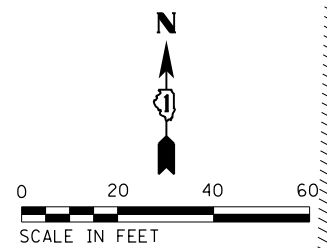
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE
 SOUWANAS TRAIL
 SCALE: 1"=20'
 SHEET 1 OF 17 SHEETS
 STA. 101+71.59 TO STA. 107+50

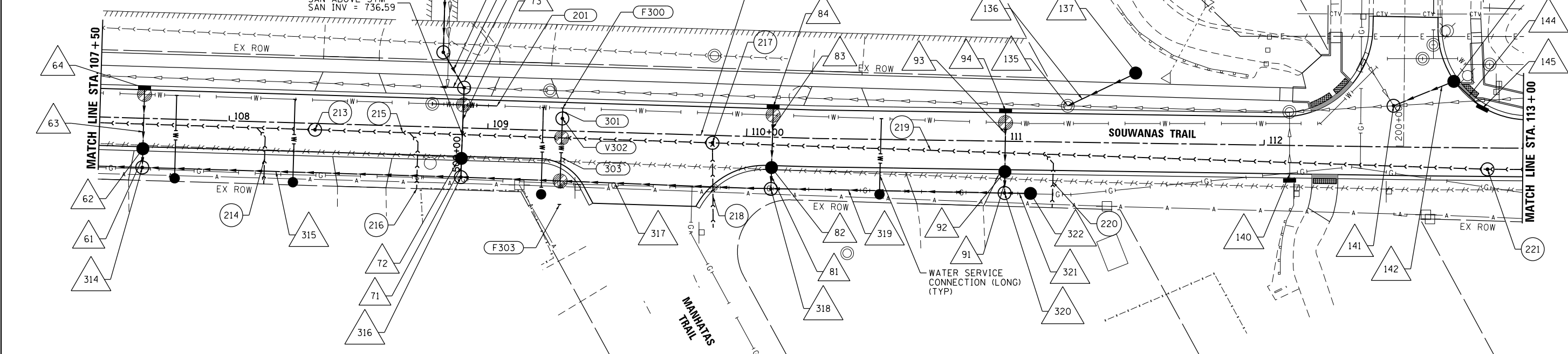
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4003, 4004	17-00092-00-PV	MCHENRY	123	43
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

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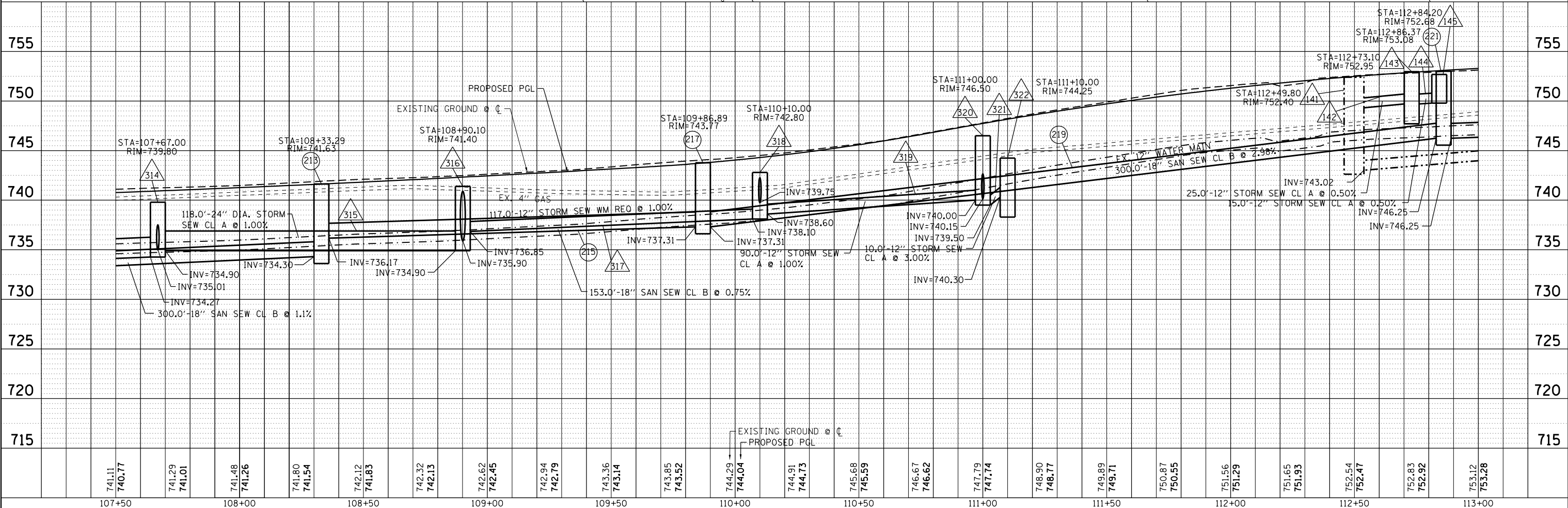
- XXX STORM SEWER TAG
- 106 SANITARY SEWER TAG
- XXX WATER MAIN TAG
- MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS



DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	



DATE	
BY	
PROFILE	
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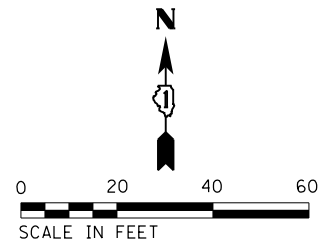
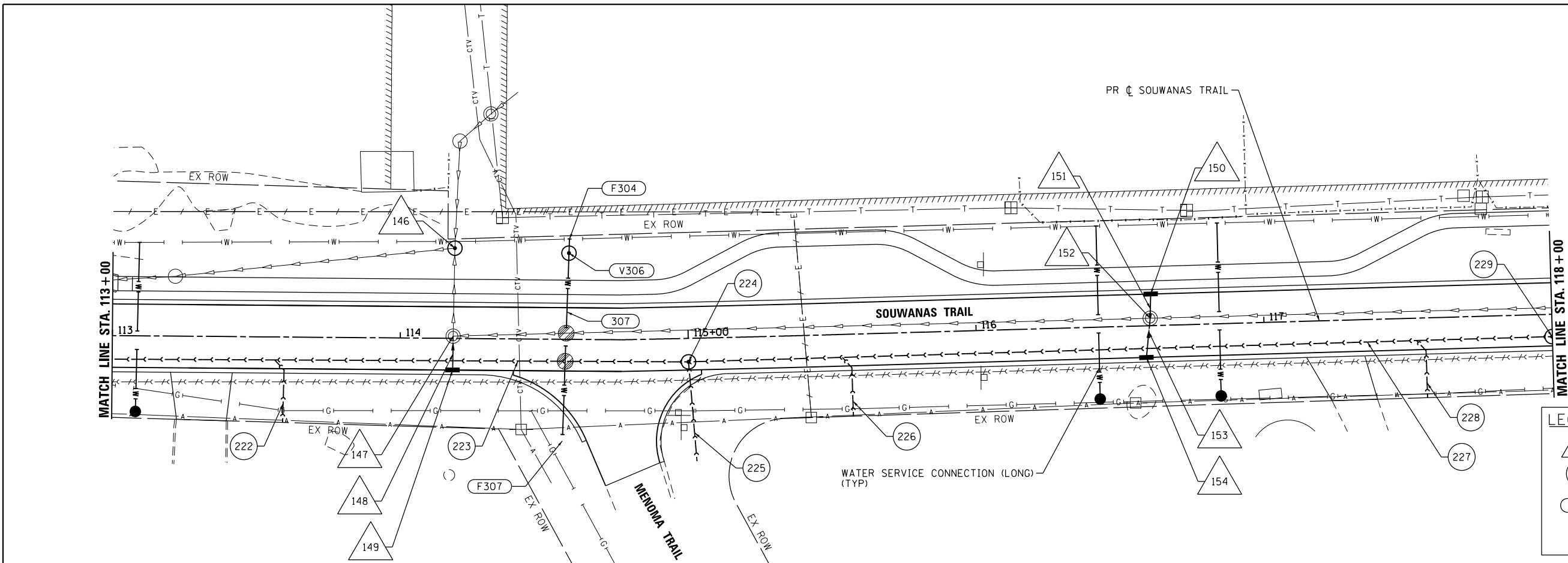
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 PEN TABLE: #PENL#

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	17-00092-00-PV	MCHENRY	123			44				
	4003, 4004	CONTRACT NO. 61H80								
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PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

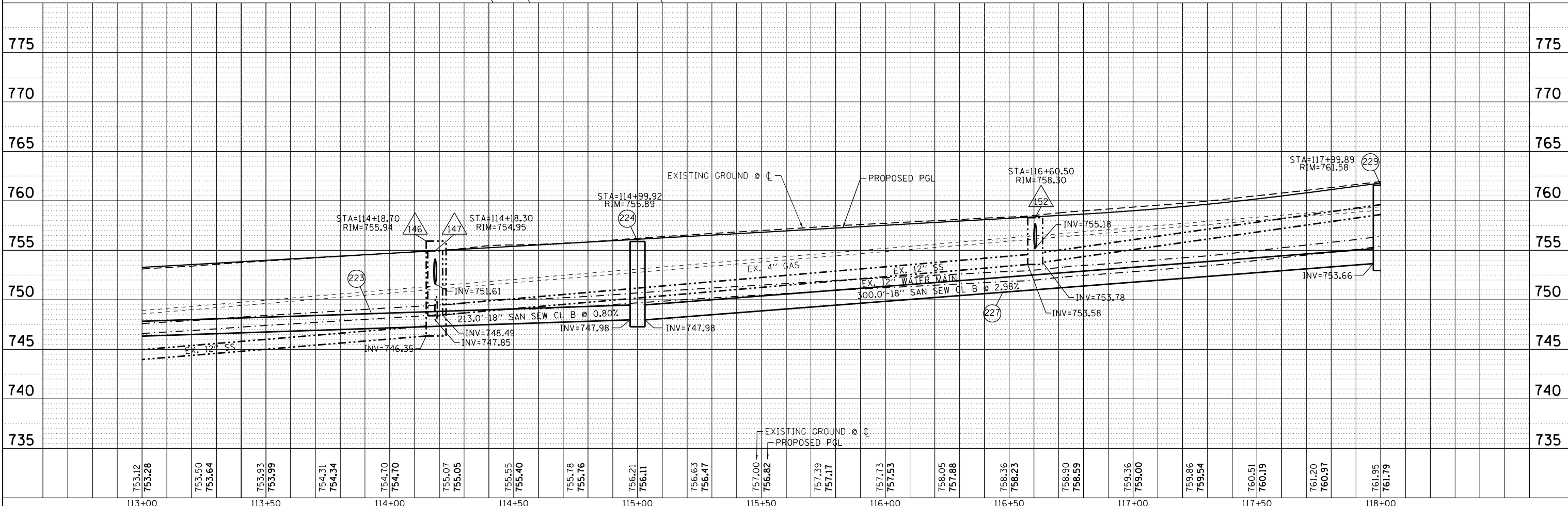
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	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	
	BY	

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 HRG PROJ. CONTACT: #HRG#
 FILE NAME: #FILES#
 PEN TABLE: #PEN#



LEGEND:

△XXX	STORM SEWER TAG
○106	SANITARY SEWER TAG
○XXX	WATER MAIN TAG
●	MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS



753.12	753.28	753.50	753.64	753.93	753.99	754.31	754.34	754.70	754.70	755.07	755.05	755.55	755.40	755.78	755.76	756.21	756.11	756.63	756.47	757.00	756.82	757.39	757.17	757.73	757.53	758.05	757.88	758.36	758.23	758.90	758.59	759.36	759.00	759.86	759.54	760.51	760.19	761.20	760.97	761.95	761.79	775		
113+00				113+50				114+00				114+50				115+00				115+50				116+00				116+50				117+00				117+50				118+00				735

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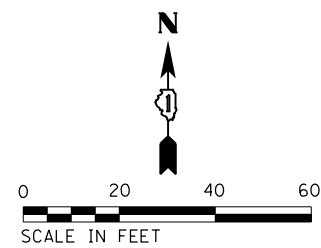
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN AND PROFILE
 SOUWANAS TRAIL**

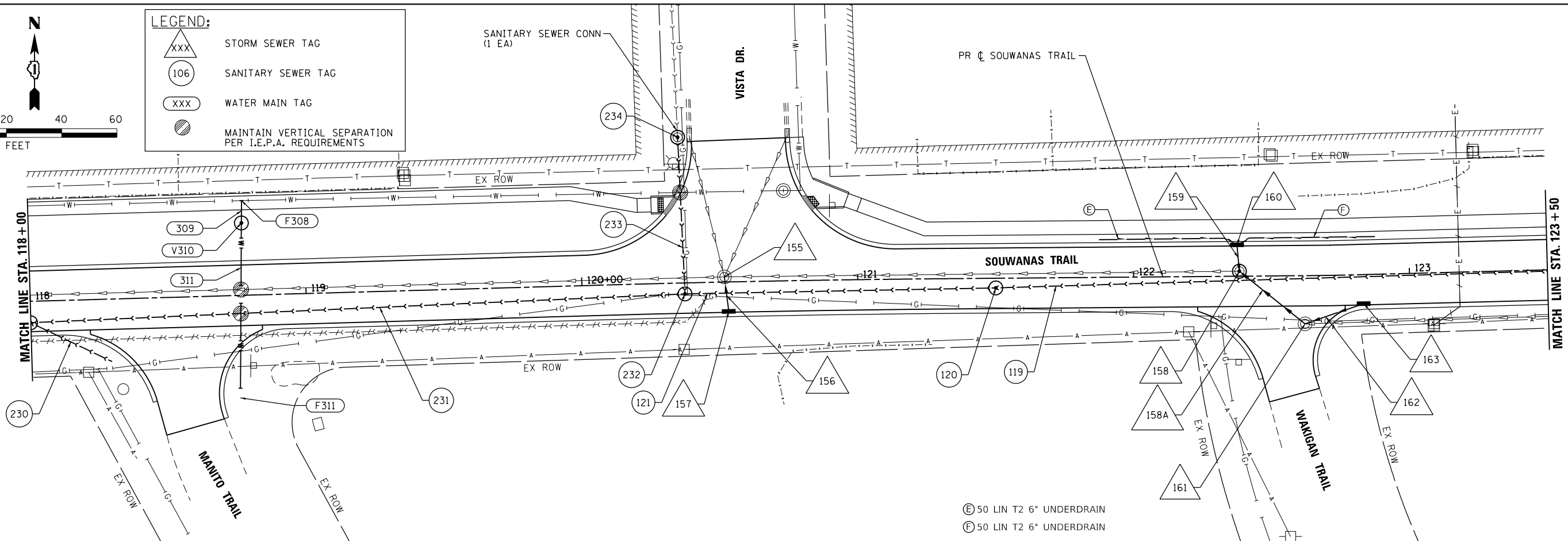
SCALE: 1"=20' SHEET 3 OF 17 SHEETS STA. 113+00 TO STA. 118+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	45
	4003, 4004			CONTRACT NO. 61H80
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



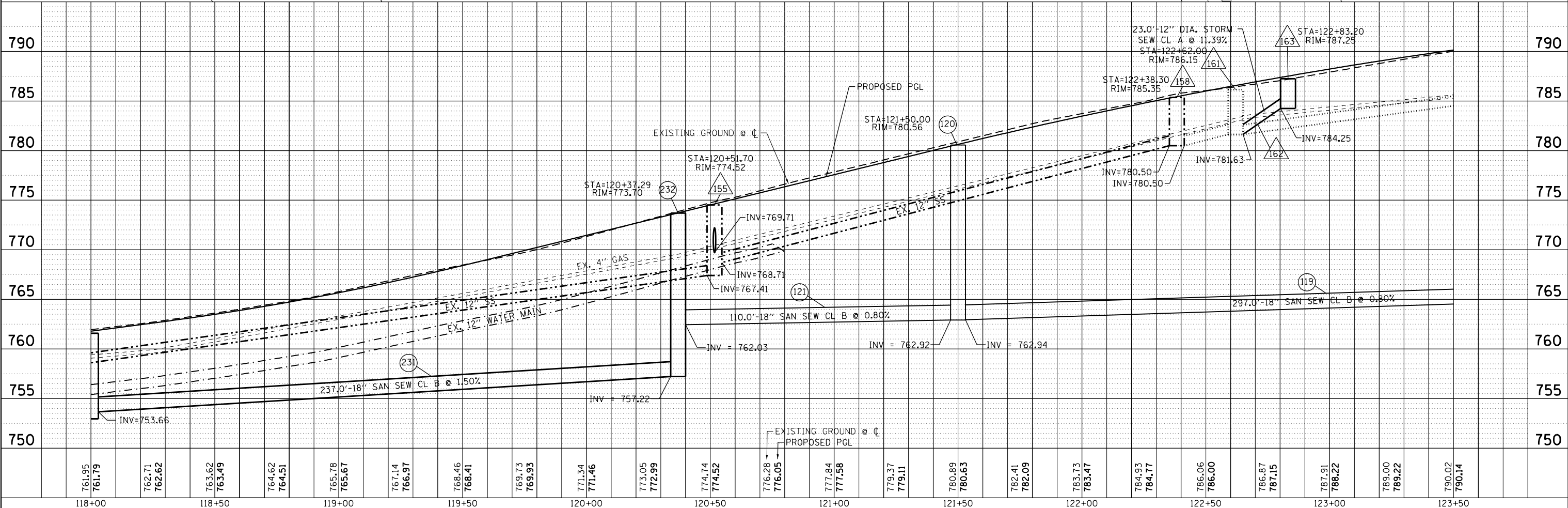
LEGEND:

- STORM SEWER TAG
- SANITARY SEWER TAG
- WATER MAIN TAG
- MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	FILE NAME _____	
	PROJECT NAME _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	FILE NAME _____	
	PROJECT NAME _____	



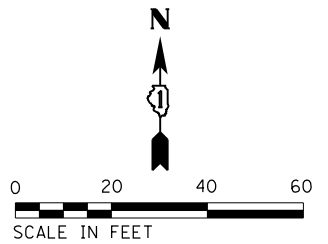
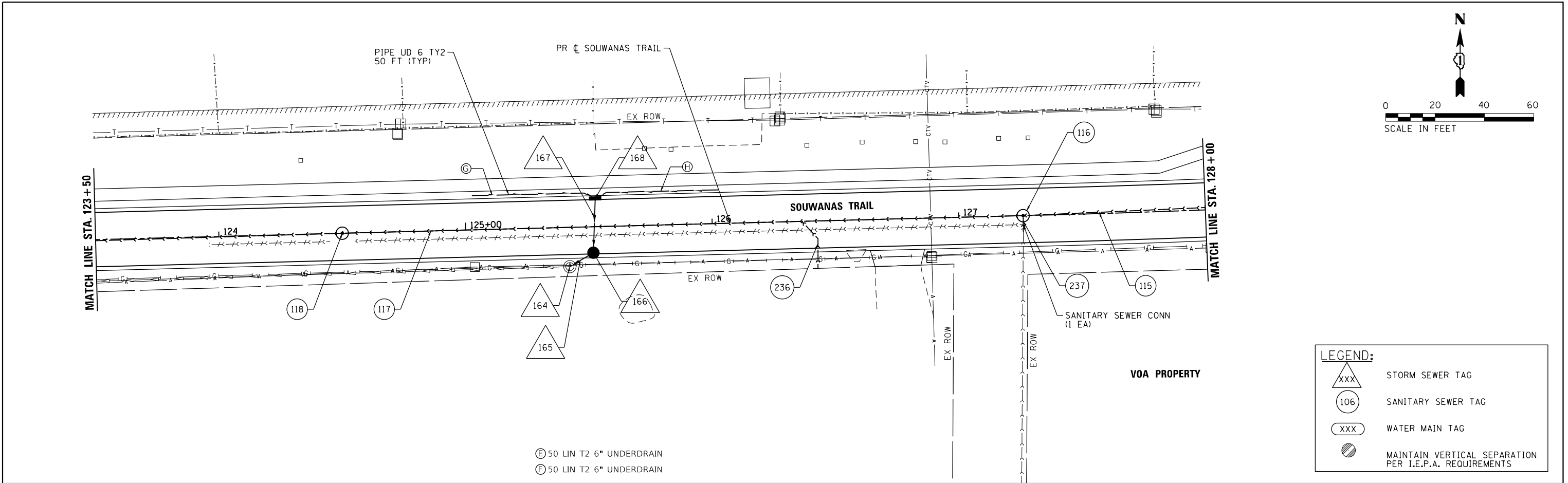
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 HRG PROJ. CONTACT: #HRG#
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 PEN TABLE: #PEN#

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	HRGreen.com Illinois Professional Design Firm #184-001322	SCALE: 1"=20' SHEET 4 OF 17 SHEETS STA. 118+00 TO STA. 123+50	CONTRACT NO. 61H80 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	BY	
	NO.	

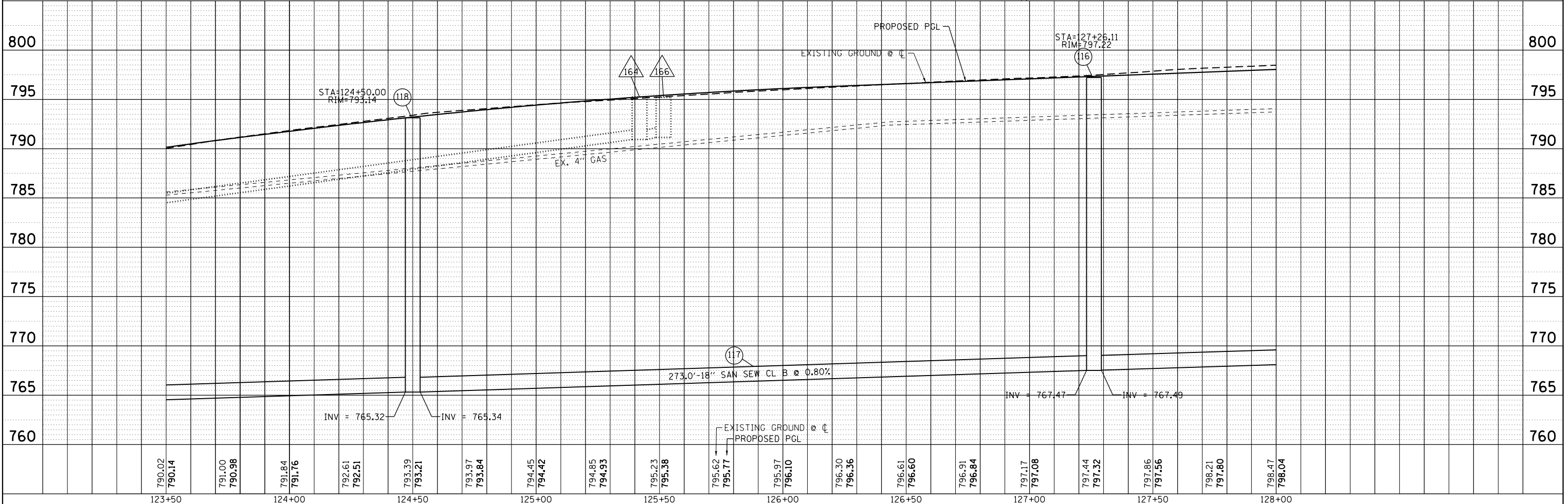
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIS	
	BY	
	NO.	

HRG PROJECT NO.: #PROJECT/NO#
 HRG PROJ. CONTACT: #HRG/PM#
 FILE NAME: #FILES#_DRW#
 PEN TABLE: #PENL TABLE#



LEGEND:

△XXX	STORM SEWER TAG
○106	SANITARY SEWER TAG
○XXX	WATER MAIN TAG
⊙	MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS

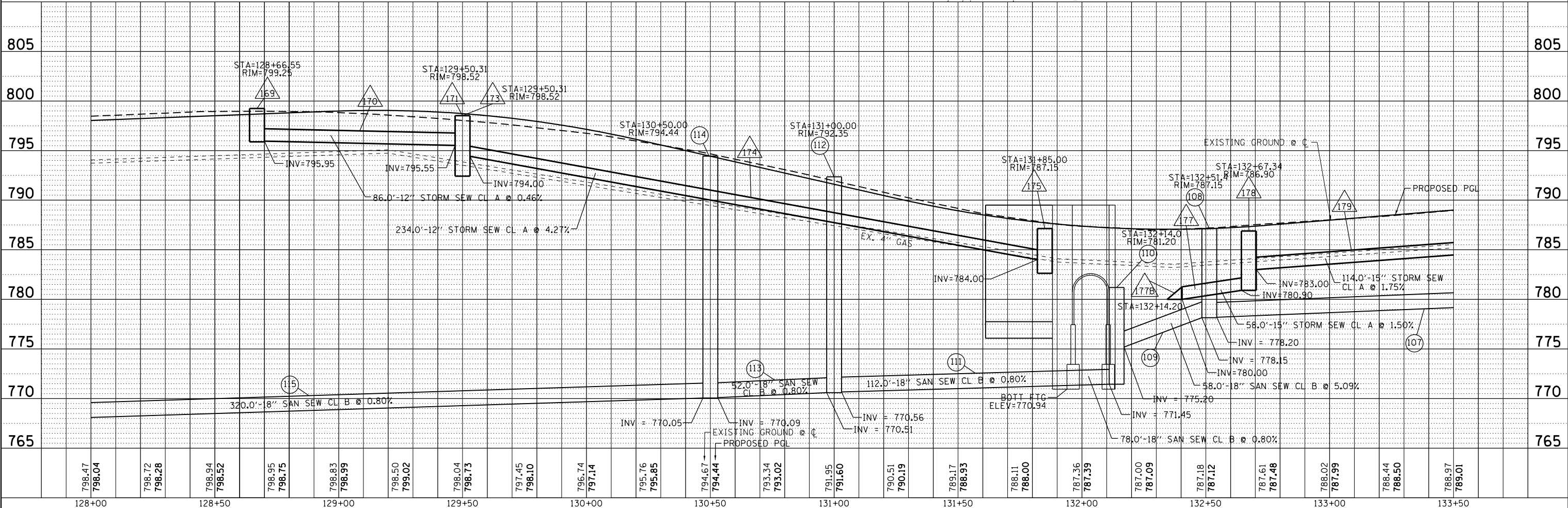
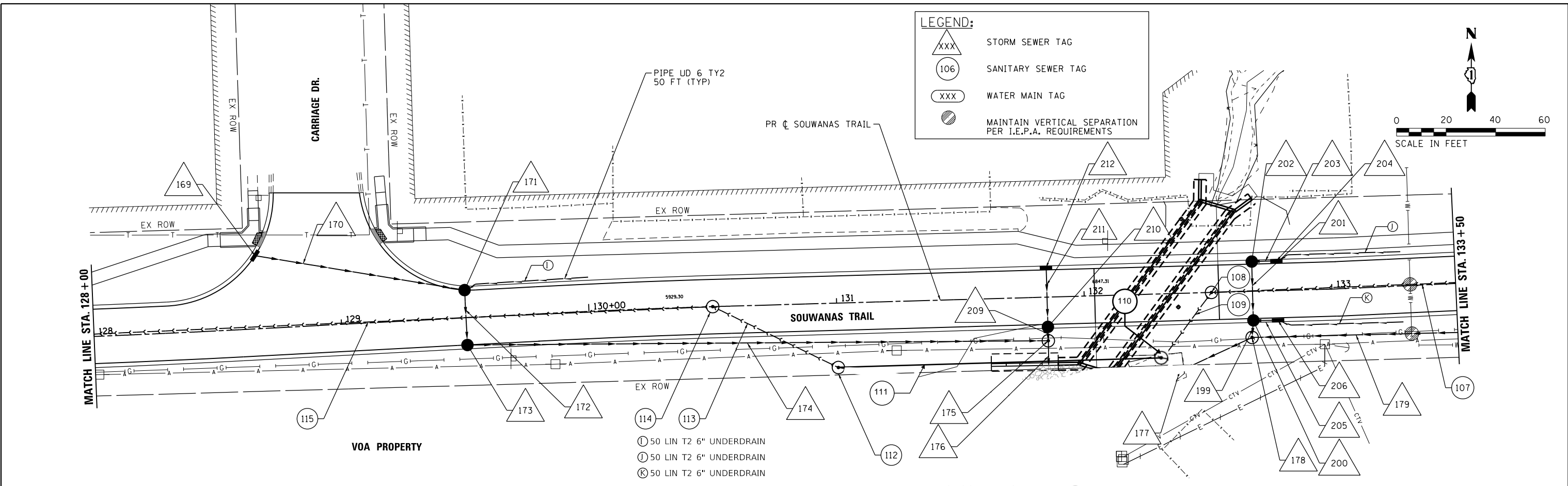


790.02	790.14	791.00	790.98	791.84	791.76	792.61	792.51	793.39	793.21	793.97	793.84	794.45	794.42	794.85	794.93	795.23	795.38	795.62	795.77	795.97	796.10	796.30	796.36	796.61	796.60	796.91	796.84	797.17	797.08	797.44	797.32	797.86	797.56	798.21	797.80	798.47	798.04	
123+50				124+00		124+50				125+00				125+50				126+00				126+50				127+00				127+50				128+00				

PLAN	SURVEYED	BY	DATE

PROFILE	SURVEYED	BY	DATE

HRG PROJECT NO.: #PROJECT#
 HRG PROJ. CONTACT: #HRGPM#
 FILE NAME: #FILES#_DWG/
 PEN TABLE: #PENL TABLE#



798.47	798.04	798.72	798.28	798.94	798.52	798.95	798.75	798.83	798.99	798.50	799.02	798.04	798.73	797.45	798.10	796.74	797.14	795.76	795.85	794.67	794.44	793.34	793.02	791.95	791.60	790.51	790.19	789.17	788.93	788.11	788.00	787.36	787.39	787.00	787.09	787.18	787.12	787.61	787.48	788.02	787.99	788.44	788.50	788.97	789.01						
128+00	128+50	129+00	129+50	130+00	130+50	131+00	131+50	132+00	132+50	133+00	133+50																																								

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 Illinois Professional Design Firm
 #184-001322

USER NAME = #USER#	DESIGNED - JS	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DMS	REVISED -
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	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

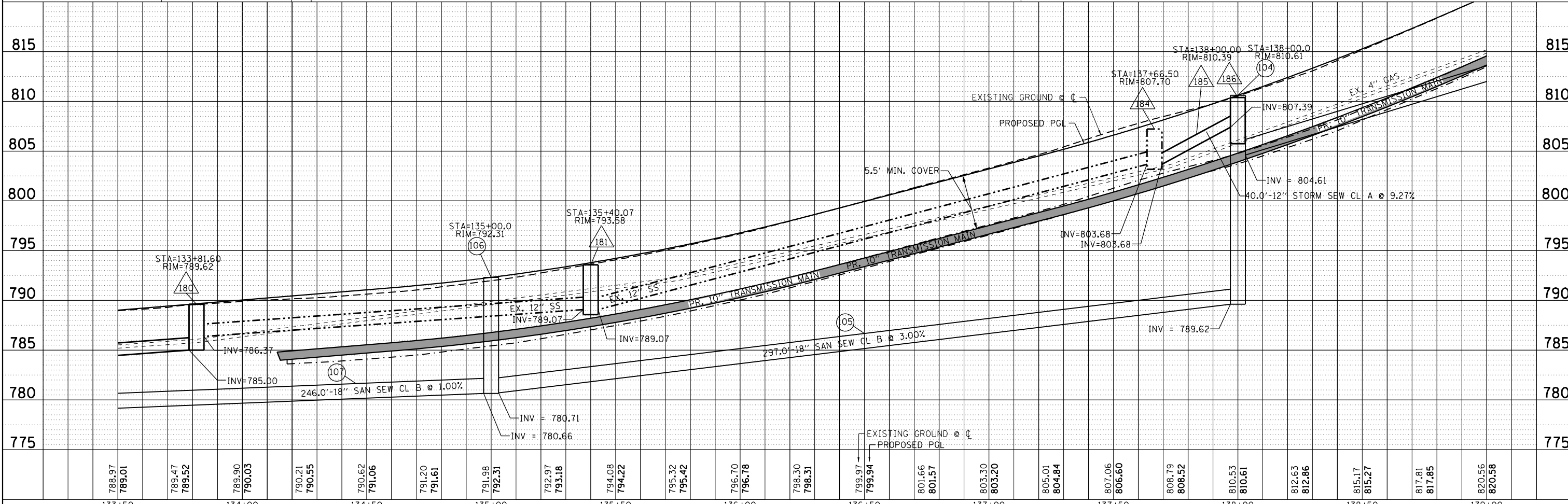
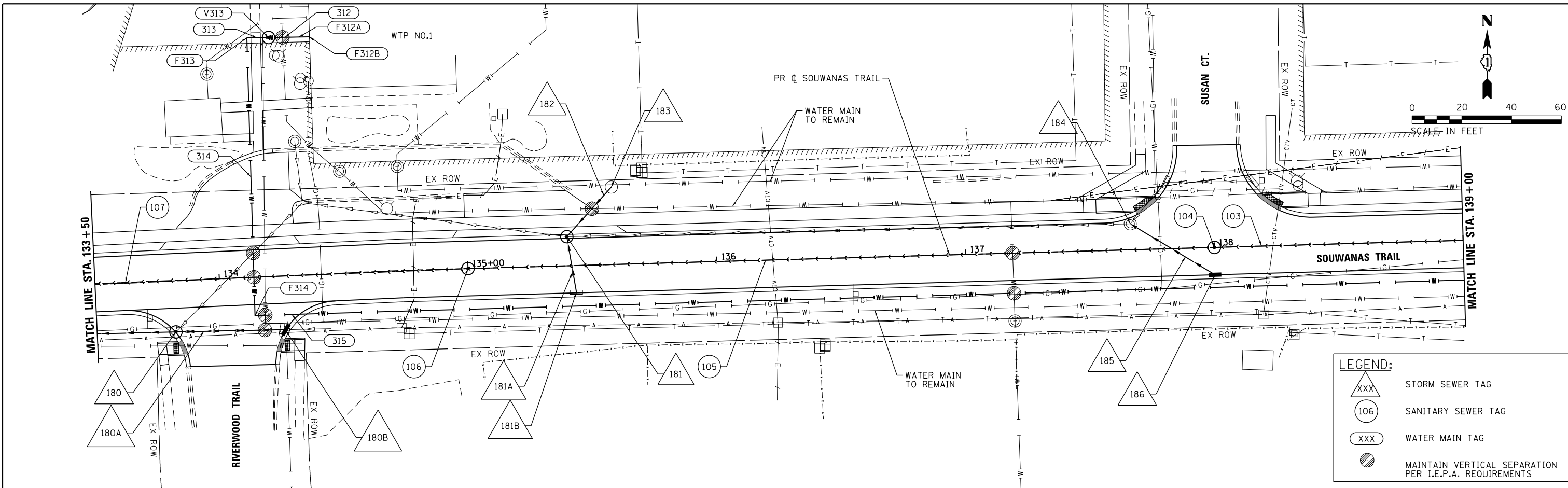
DRAINAGE AND UTILITY PLAN AND PROFILE
SOUWANAS TRAIL
 SCALE: 1"=20'
 SHEET 6 OF 17 SHEETS
 STA. 128+00 TO STA. 133+50

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	48
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.:	
	BY:	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	FILED	
	NO.:	
	BY:	

HRG PROJECT NO.: #PROJCT008
 HRG PROJ. CONTACT: #HRGPM8
 FILE NAME: #FILES#_DRWG#
 PEN TABLE: #PENL TABLE#



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133+50		134+00		134+50		135+00		135+50		136+00		136+50		137+00		137+50		138+00		138+50		139+00																							

HRGreen.com
 #184-001322

USER NAME : #USER#	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE : #SCALE#	CHECKED -	REVISED -
PLOT DATE : #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE
 SOUWANAS TRAIL
 SCALE: 1"=20'
 SHEET 7 OF 17 SHEETS
 STA. 133+50 TO STA. 139+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	49
	4003, 4004			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

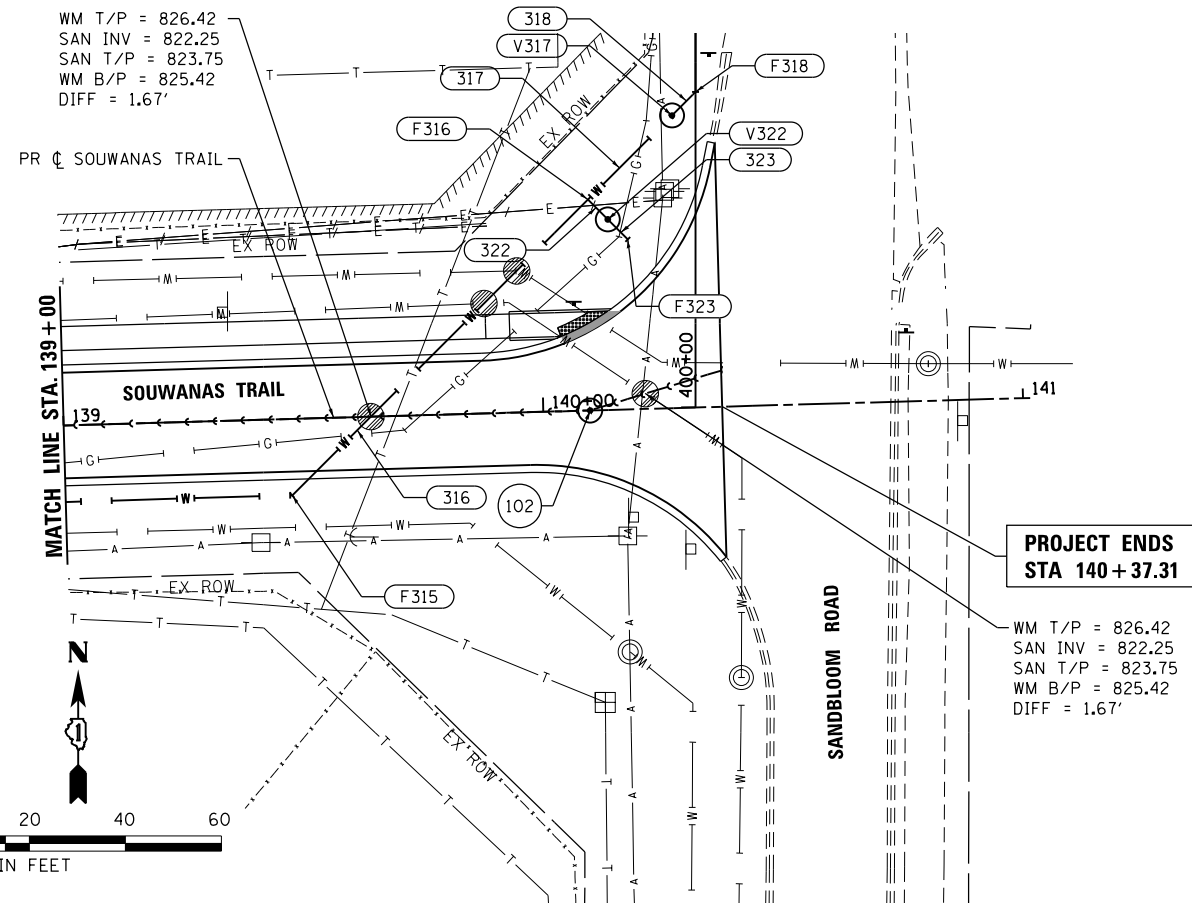
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△xxx	STORM SEWER TAG
○106	SANITARY SEWER TAG
□xxx	WATER MAIN TAG
●	MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	
	NO. _____	

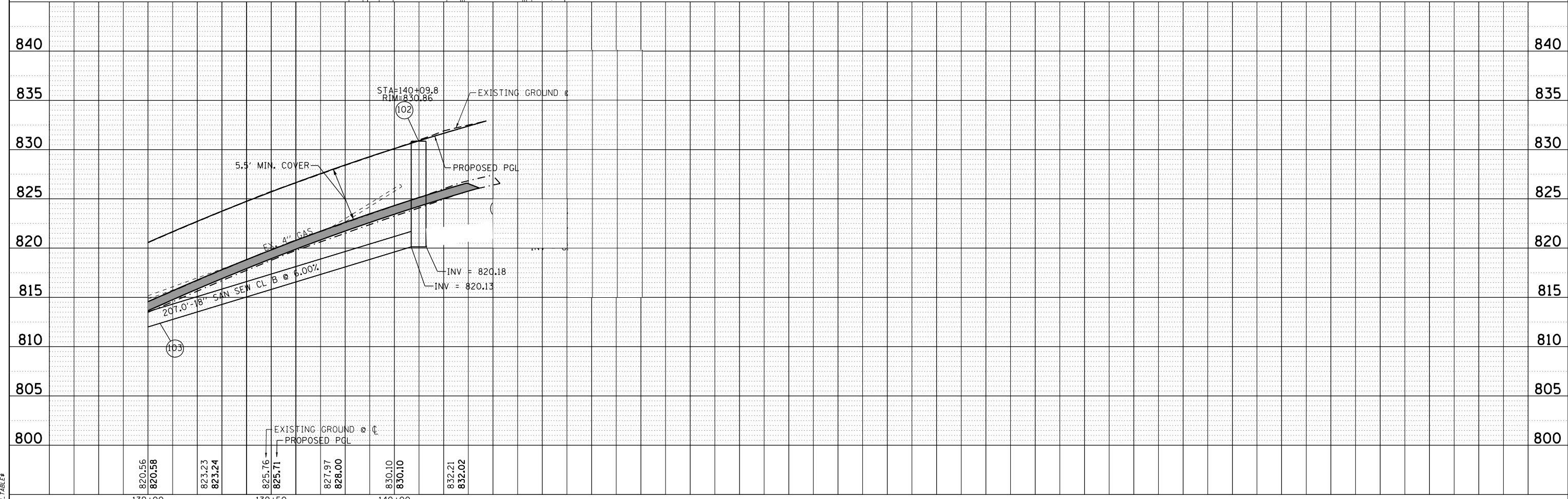
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 HRG PROJ. CONTACT: #HRGPM#
 FILE NAME: #FILES#_DRW#
 PEN TABLE: #PEN#_TABLE#



**PROJECT ENDS
STA 140 + 37.31**

WM T/P = 826.42
 SAN INV = 822.25
 SAN T/P = 823.75
 WM B/P = 825.42
 DIFF = 1.67'

LEGEND:	
	STORM SEWER TAG
	SANITARY SEWER TAG
	WATER MAIN TAG
	MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS



820.56	820.58	823.23	823.24	825.76	825.71	827.97	828.00	830.10	830.10	832.21	832.02
139+00		139+50		140+00							

HRGreen
 HRGreen.com
 Micro Professional Design Firm
 #184-001322

USER NAME = #USER#	DESIGNED - JS	REVISED -
DRAWN - DMS	REVISIONS	
PLOT SCALE = #SCALE#	CHECKED -	REVISED -
PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

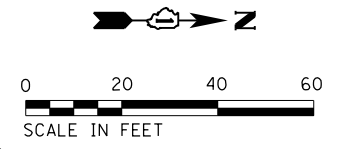
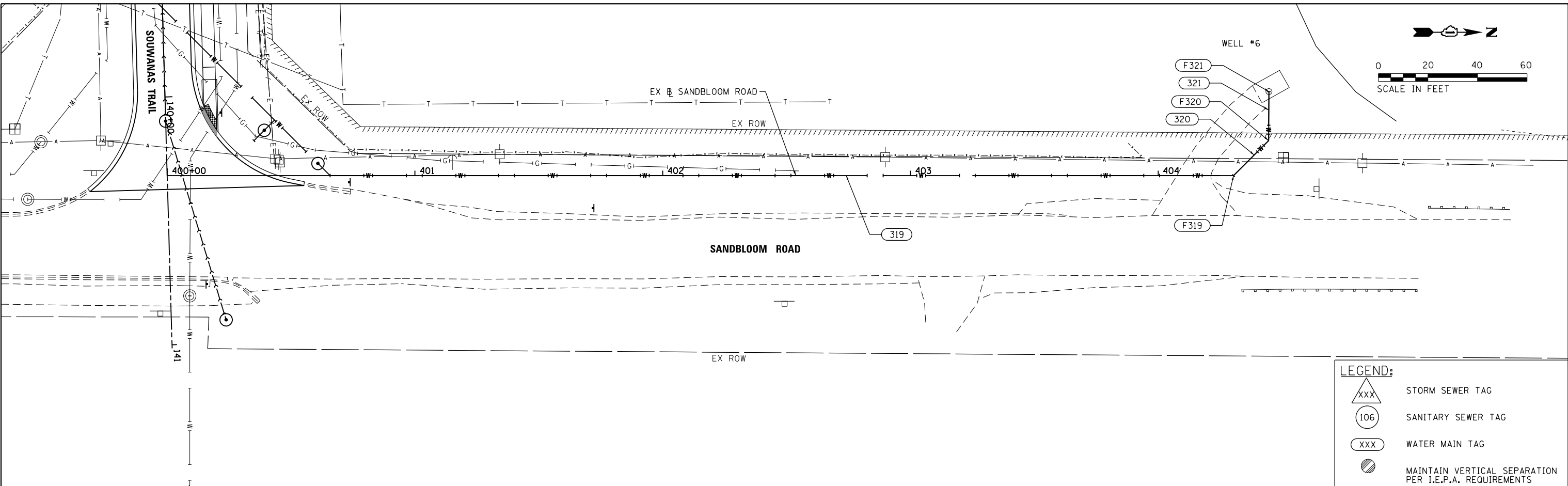
DRAINAGE AND UTILITY PLAN AND PROFILE
SOUWANAS TRAIL
 SCALE: 1"=20' SHEET 8 OF 17 SHEETS STA. 139+00 TO STA. 140+37.31

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	50
	4003, 4004			CONTRACT NO. 61H80
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	PEN TABLE	

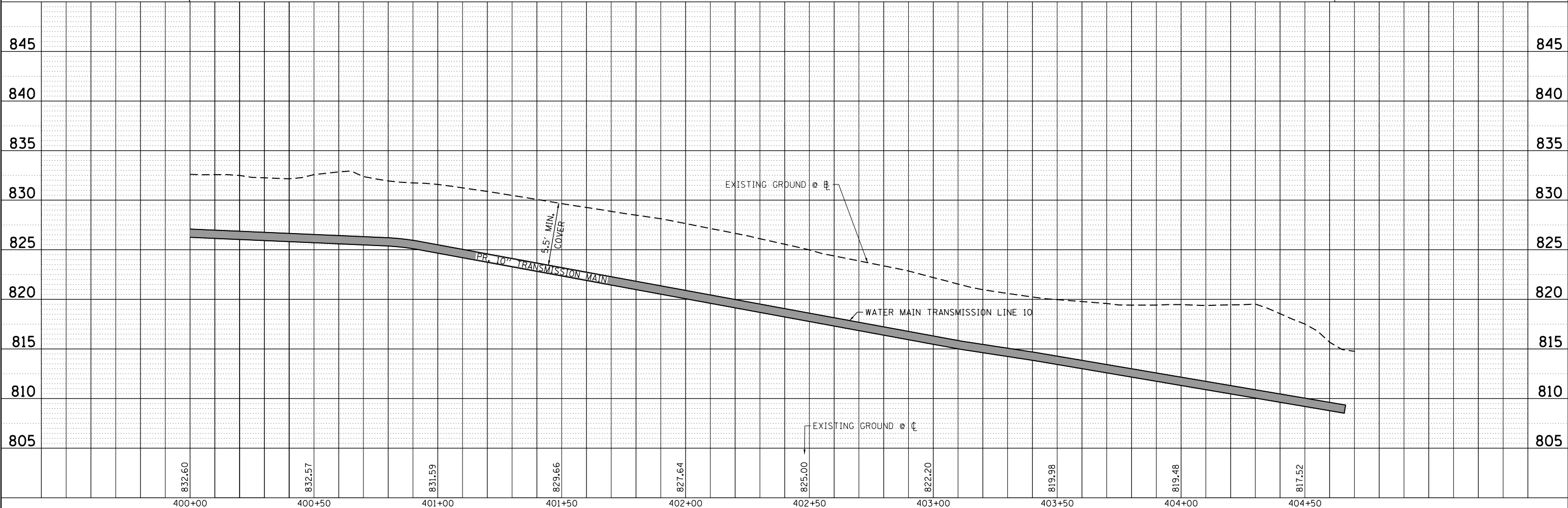
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	PEN TABLE	

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-571-drain-Sandbloom-01.dgn
 PEN TABLE: pen-table.tbl



LEGEND:

	STORM SEWER TAG
	SANITARY SEWER TAG
	WATER MAIN TAG
	MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS

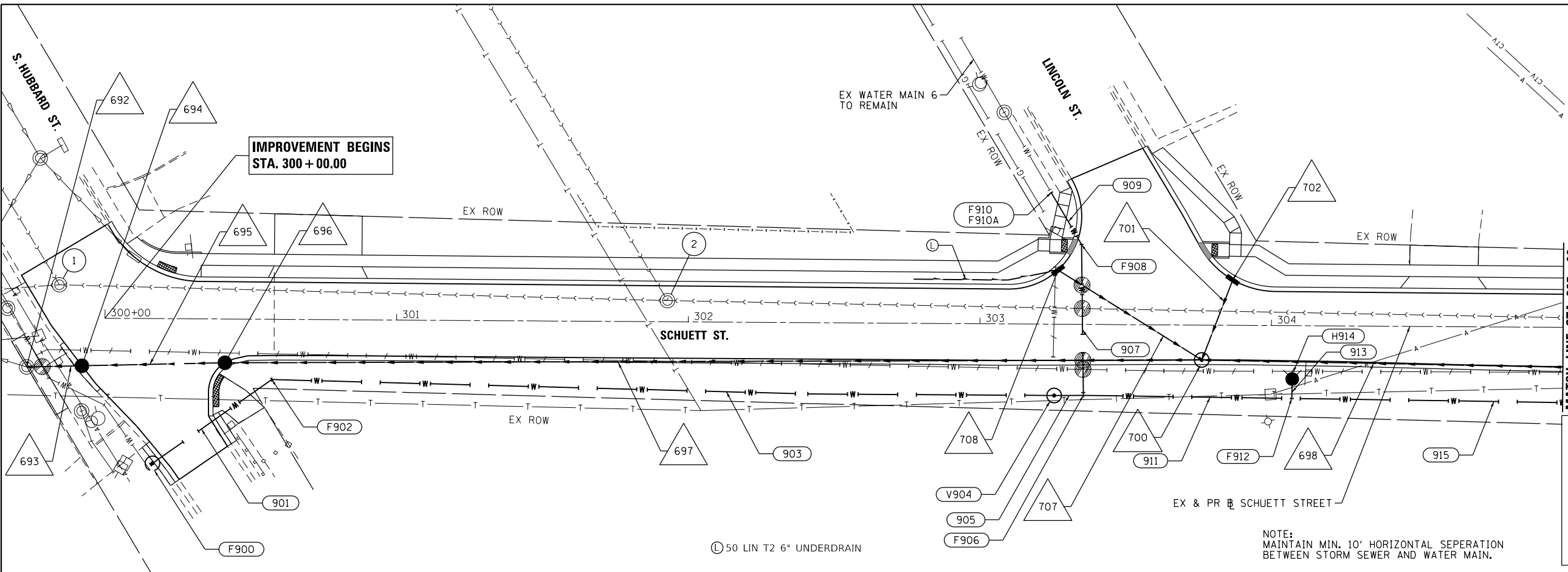


HRGreen.com 1844 Professional Design Firm #184-001322	USER NAME = jstrzal DESIGNED - JS DRAWN - DMS CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">DRAINAGE AND UTILITY PLAN AND PROFILE SANDBLOOM ROAD</p>	SCALE: 1"=20' SHEET 10 OF 17 SHEETS STA. 400+00 TO STA. 404+70.19	<table border="1"> <tr><td>F.A.U. RTE.</td><td>SECTION NO.</td><td>COUNTY</td><td>TOTAL SHEETS</td><td>SHEET NO.</td></tr> <tr><td></td><td>17-00092-00-PV</td><td>MCHENRY</td><td>123</td><td>52</td></tr> <tr><td></td><td>4003, 4004</td><td></td><td></td><td>CONTRACT NO. 61H80</td></tr> <tr><td>FED. ROAD DIST. NO.</td><td>ILLINOIS</td><td>FED. AID PROJECT</td><td></td><td></td></tr> </table>	F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.		17-00092-00-PV	MCHENRY	123	52		4003, 4004			CONTRACT NO. 61H80	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.																						
	17-00092-00-PV	MCHENRY	123	52																						
	4003, 4004			CONTRACT NO. 61H80																						
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT																								

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	NO.	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHD	
	NO.	
	NO.	
	NO.	

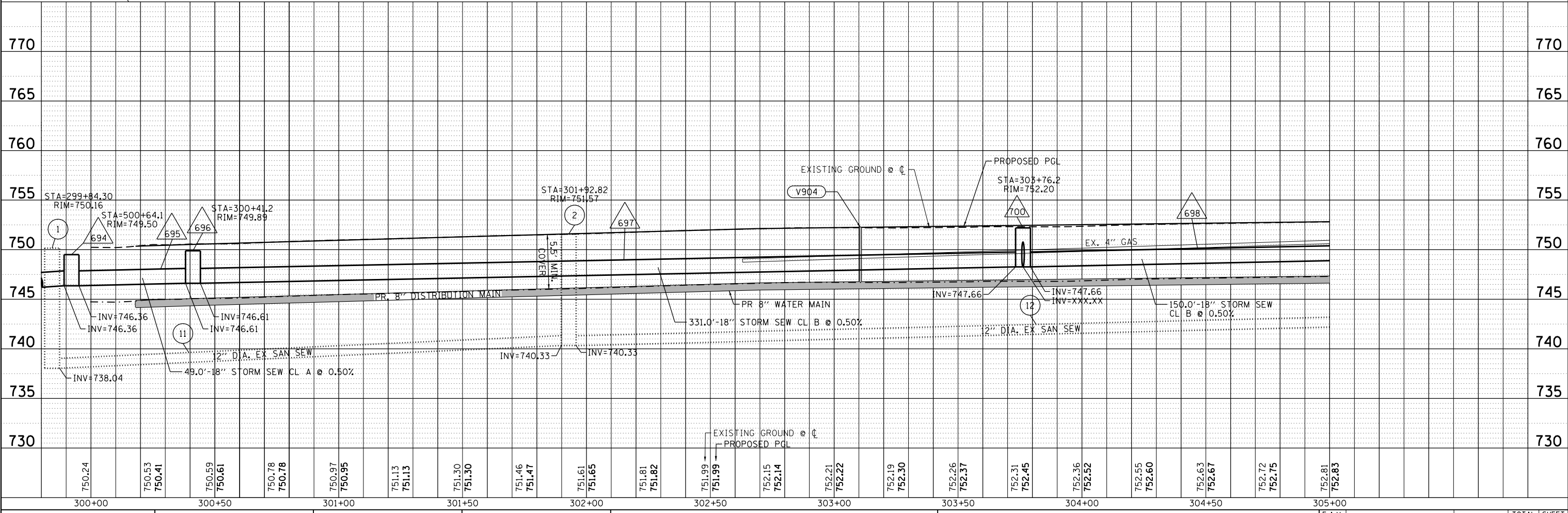
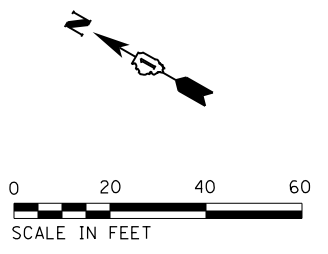
HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SHT-grain-schuett-0.dgn
 PEN TABLE: p:\table.tbl



LEGEND:

- △XXX STORM SEWER TAG
- XXX SANITARY SEWER TAG
- XXX WATER MAIN TAG
- ⊙ MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS

NOTE: MAINTAIN MIN. 10' HORIZONTAL SEPARATION BETWEEN STORM SEWER AND WATER MAIN.



300+00	300+50	301+00	301+50	302+00	302+50	303+00	303+50	304+00	304+50	305+00										
750.24	750.53 750.41	750.59 750.61	750.78 750.78	750.97 750.95	751.13 751.13	751.30 751.30	751.46 751.47	751.61 751.65	751.81 751.82	751.99 751.99	752.15 752.14	752.21 752.22	752.19 752.30	752.26 752.37	752.31 752.45	752.36 752.52	752.55 752.60	752.63 752.67	752.72 752.75	752.81 752.83

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 Micro Professional Design Firm
 #184-001322

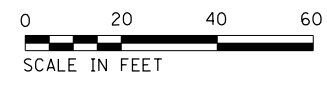
USER NAME = jstrzal	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 48.0001' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN AND PROFILE
 SCHUETT STREET**

SCALE: 1"=20' SHEET 15 OF 17 SHEETS STA. 300+18 TO STA. 305+00

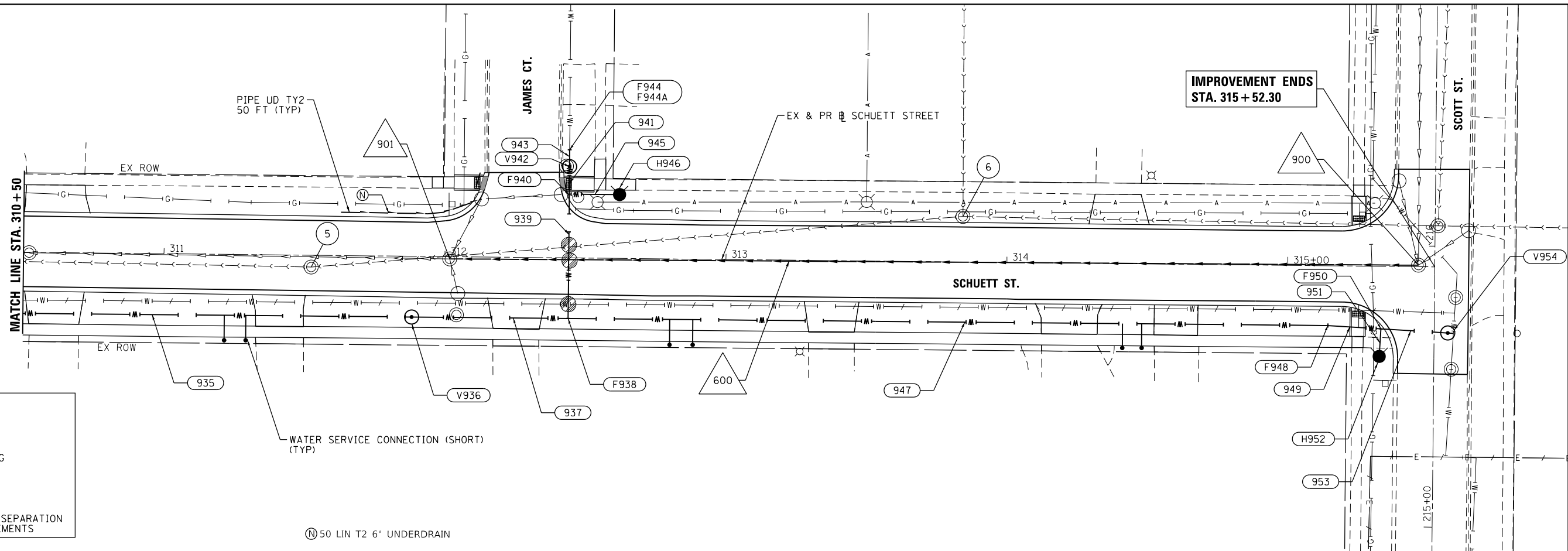
F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	53
	4003, 4004			CONTRACT NO. 61H80
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



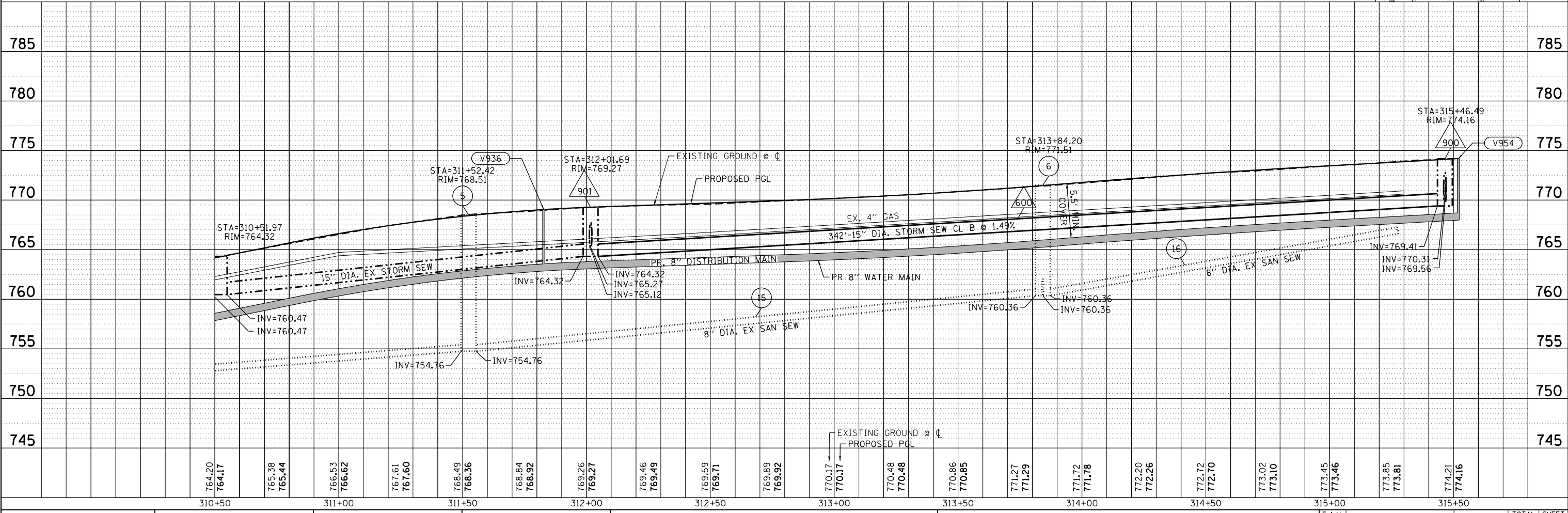
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	TABLE LABEL	

LEGEND:

- STORM SEWER TAG
- SANITARY SEWER TAG
- WATER MAIN TAG
- MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	TABLE LABEL	



HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17-0092-00-pv-drain-schuett-03.dgn
 PEN TABLE: PLOT/LABEL.tbl



USER NAME = dstancz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 40.0001' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN AND PROFILE SCHUETT STREET			
SCALE: 1"=20'	SHEET 17	OF 17 SHEETS	STA. 310+50 TO STA. 315+52.30

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-0092-00-PV	MCHENRY	123	55
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80

STORM STRUCTURE SCHEDULE

STR. ID	STATION	OFFSET	GEOPAK ALIGNMENT	STRUCTURE TYPE	MANHOLES, CB & INLETS RIM EL.	STORM SEWER INVERTS				NOTES
						NORTH	WEST	SOUTH	EAST	
SOUWANAS TRAIL										
2	102+14.1	-33.64	PR_SOUWANAS	CB TA 4 DIA T8G	733.75			728.32		
12	102+25.0	-11.75	PR_SOUWANAS	MH TA 4 DIA T11 F&G	733.44	730.02			730.02	
14	102+35.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	733.71		730.12			
22	102+35.0	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	733.71		730.02	730.02		
24	102+45.0	11.75	PR_SOUWANAS	INLETS TA T11 F&G	733.98		730.12			
32	104+00.0	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	737.30	733.07		733.07		
34	104+00.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	737.30			733.30		
42	105+50.0	11	PR_SOUWANAS	CB TA 4 DIA T11 F&G	739.06	734.83		734.83		
44	105+50.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	739.06			735.06		
52	106+55.0	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	739.75	736.52		734.52		
54	106+55.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	739.75			736.75		
62	107+67.0	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	741.36	738.13		735.13		
64	107+67.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	741.36			738.36		
72	108+90.4	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	742.11	734.92		734.92		
74	108+90.4	-15.5	PR_SOUWANAS	MAN TA 8 DIA T1F CL	742.66	736.04	737.68	735.03	737.68 EX	CONNECT TO EX PIPE (E)
82	110+10.0	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	744.10	740.87		739.87		
84	110+10.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	744.10			741.10		
92	111+00.0	11.75	PR_SOUWANAS	CB TA 4 DIA T11 F&G	747.52	744.27		740.27		
94	111+00.0	-11.75	PR_SOUWANAS	INLETS TA T11 F&G	747.52			744.50		
135	111+23.9	-14	PR_SOUWANAS	EX MH	748.67	745.67	740.67 EX		740.67 EX	
137	111+50.2	-27.1	PR_SOUWANAS	CB TC T8G	749.57			746.57		
139	111+78.1	-54.5	PR_SOUWANAS	PRC FLAR END SEC 15	-	750.09				
140	112+10.0	11	PR_SOUWANAS	INLETS TA T11 F&G	751.10	747.95				CONNECT TO EX PIPE
141	112+49.8	-15.9	PR_SOUWANAS	MAN TA 8 DIA T1F CL	752.40	749.22 EX-NW, 749.32 PR-NE	742.62 EX		743.02 EX	CONNECT TO EX INV (3)
143	112+73.1	-25.6	PR_SOUWANAS	CB TA 4 DIA T11 F&G	752.95		749.70	749.70		
145	112+84.2	-15.4	PR_SOUWANAS	INLETS TA T11 F&G	752.68	749.78				
146	114+18.7	-31.4	PR_SOUWANAS	MAN TA 8 DIA T1F CL	755.94	746.45 EX	746.35 EX	747.85 EX		CONNECT TO EX INV (3)
147	114+18.3	-0.8	PR_SOUWANAS	EX MH	754.95	748.39 EX		751.61	748.49 EX	
149	114+18.3	11	PR_SOUWANAS	INLETS TA T11 F&G	754.73	751.73				
150	116+61.0	-11	PR_SOUWANAS	INLETS TA T11 F&G	758.17			755.27		
152	116+60.5	-2.6	PR_SOUWANAS	EX MH	758.30	755.23	753.58 EX	755.18	753.78 EX	
154	116+58.9	11	PR_SOUWANAS	INLETS TA T11 F&G	758.15	755.25				
155	120+51.7	-1.9	PR_SOUWANAS	EX MH	774.52	769.11 EX	767.41 EX	769.71 EX	768.71 EX	
157	120+53.0	10.7	PR_SOUWANAS	INLETS TA T11 F&G	774.33	771.33				
158	122+38.3	-1.8	PR_SOUWANAS	MAN TA 4 DIA T1F CL	785.35	781.50 EX	780.50 EX	780.50 EX		CONNECT TO EX INV (3)
160	122+37.6	-11.4	PR_SOUWANAS	INLETS TA T11 F&G	785.15			782.15		
161	122+62.0	17.5	PR_SOUWANAS	EX MH	786.15	781.63 EX			781.63 EX (2)	
163	122+83.2	10.5	PR_SOUWANAS	INLETS TA T11 F&G	787.25		784.25			
164	125+41.89	15.9	PR_SOUWANAS	EX MH	795.25		790.92 EX		790.92 EX	
166	125+51.6	10.5	PR_SOUWANAS	CB TA 4 DIA T11 F&G	795.20	792.00			791.14	
168	125+52.9	-11.5	PR_SOUWANAS	INLETS TA T11 F&G	795.22			792.22		
169	128+66.6	-29.5	PR_SOUWANAS	INLETS TA T11 F&G	799.25				795.95	
171	129+50.3	-11.2	PR_SOUWANAS	CB TA 4 DIA T11 F&G	798.52		795.55	795.45		
173	129+50.3	11	PR_SOUWANAS	CB TA 4 DIA T11 F&G	798.52	795.00			794.00	
175	131+85.0	17.6	PR_SOUWANAS	MAN TA 4 DIA T1F CL	787.15	784.00	784.00	782.20		
177B	132+14.2	41.45	PR_SOUWANAS	PRC FLAR END SEC 15	-				780.00	
178	132+67.3	18.62	PR_SOUWANAS	MAN TA 4 DIA T8G	786.90	783.00	780.90		783.00	
180	133+81.6	20.49	PR_SOUWANAS	MAN TA 5 DIA T11 F&G	789.62	786.37 EX	784.96		786.37	CONNECT TO EX INV
180B	134+25.7	21.6	PR_SOUWANAS	INLETS TA T11 F&G	790.13	787.08 EX	787.08			CONNECT TO EX INV
181	135+40.1	-11.7	PR_SOUWANAS	MAN TA 4 DIA T1F OL	793.58	789.07	789.07 EX	789.07	789.07 EX	CONNECT TO EX INV (2)
181B	135+43.3	10.74	PR_SOUWANAS	EX INL	793.70	791.21 EX				CONNECT TO EX INV
183	135+58.5	-31.1	PR_SOUWANAS	EX CB	793.8			792.00 EX		CONNECT TO EX INV
184	137+66.5	-10.4	PR_SOUWANAS	EX MH	807.70	803.68 EX	803.68 EX	803.68 EX		
186	138+00.0	11	PR_SOUWANAS	INLETS TA T11 F&G	810.39	807.39				
200	132+67.9	11.8	PR_SOUWANAS	CB TA 4 DIA T11 F&G	787.77	783.14		783.14	783.38	
202	132+68.0	-12	PR_SOUWANAS	CB TA 4 DIA T11 F&G	787.77			783.38	783.38	
204	132+78.0	-12	PR_SOUWANAS	INLETS TA T11 F&G	787.77		783.58			
206	132+78.0	12	PR_SOUWANAS	INLETS TA T11 F&G	787.77		783.58			
210	131+85.0	12	PR_SOUWANAS	CB TA 4 DIA T11 F&G	788.85	784.24		784.24		
212	131+85.0	-12	PR_SOUWANAS	INLETS TA T11 F&G	788.85			784.48		
300	101+43.2	-16.3	PR_SOUWANAS	PRC FES EQRS 42	-		727.00			
302	102+15.0	-17.5	PR_SOUWANAS	MAN TA 8 DIA T8G	734.00	728.00	727.98		729.96	SET FLAT TOP BELOW BTM CURB
304	102+15.0	19	PR_SOUWANAS	MAN TA 6 DIA T8G	732.50	728.16			728.16	
306	102+35.0	19	PR_SOUWANAS	MAN TA 5 DIA T8G	732.70	729.90	728.26		728.26	
308	104+00.0	19	PR_SOUWANAS	MAN TA 5 DIA T8G	736.40	732.95	729.91		730.75	
310	105+50.0	19	PR_SOUWANAS	MAN TA 5 DIA T8G	738.10	734.71	731.50		732.00	
312	106+55.0	19	PR_SOUWANAS	MAN TA 5 DIA T8G	738.80	734.40	733.05		733.15	
314	107+67.0	19	PR_SOUWANAS	MAN TA 5 DIA T8G	739.80	735.01	734.27		734.90	
316	108+90.1	19	PR_SOUWANAS	MAN TA 5 DIA T8G	741.40	734.90	734.90		736.85	
318	110+10.0	20	PR_SOUWANAS	MAN TA 4 DIA T8G	742.80	739.75	738.10		738.60	
320	111+00.0	20	PR_SOUWANAS	MAN TA 4 DIA T8G	746.50	740.15	740.00		739.50	

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-ST-Drain-schedule.dgn
 PLOT DATE: 11/28/2022
 PEN TABLE: plotTable.tbl



USER NAME	= dstencz
DESIGNED	- JS
DRAWN	- DMS
PLOT SCALE	= 2.0000 ' / in.
CHECKED	-
PLOT DATE	= 11/28/2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM STRUCTURE SCHEDULE		
SOUWANAS TRAIL & SCHUETT STREET		
SCALE: NTS	SHEET 1 OF 8 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	56
4003, 4004		CONTRACT NO.	61H80	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STORM STRUCTURE SCHEDULE

STR. ID	STATION	OFFSET	GEOPAK ALIGNMENT	STRUCTURE TYPE	MANHOLES, CB & INLETS RIM EL.	STORM SEWER INVERTS				NOTES
						NORTH	WEST	SOUTH	EAST	
SCHUETT STREET										
692	500+73.6	-31.60	EX_HUBBARD	EX MH	749.57	746.27 EX		746.27		
694	500+64.1	-15.20	EX_HUBBARD	CB TA 4 DIA TIF OL	749.50	746.36		746.36		
696	300+41.2	15.00	EX_SCHUETT	CB TA 4 DIA TIF OL	749.89	746.61		746.61		
699	305+26.2	14.00	EX_SCHUETT	CB TA 4 DIA TIF OL	752.68	749.02			749.02 EX	CONNECT TO EX PIPE
700	303+76.2	12.00	EX_SCHUETT	MH TA 6 DIA TIF OL	752.20	748.27		748.27	748.27	
702	303+86.6	-15.50	EX_SCHUETT	INLETS TA TIF OL	751.70		748.70			
703	307+25.8	-1.40	EX_SCHUETT	EX MH	754.54	750.56 EX	750.26 EX	750.56 EX	750.26 EX	REUSE EX INV (3)
704	307+32.6	12.40	EX_SCHUETT	CB TA 4 DIA TIF OL	754.45	750.65 EX				CONNECT TO EX PIPE
706	308+88.1	1.90	EX_SCHUETT	EX MH	757.15	753.15 EX			753.25 EX	REUSE NORTH INV
708	303+26.7	-18.55	EX_SCHUETT	INLETS TA TIF OL	752.20		749.20			
710	306+99.5	-15.55	EX_SCHUETT	INLETS TA TIF OL	754.31			751.31		
712	307+52.4	-15.00	EX_SCHUETT	INLETS TA TIF OL	754.58		751.58			
900	315+46.5	-0.50	EX_SCHUETT	EX MH	774.16	769.56	769.41	770.31 NW	770.51 NE	REUSE WEST INV
901	312+02.0	0.80	EX_SCHUETT	EX MH	769.27	765.12	764.32	765.27	764.32	REUSE EAST INV
PR-RYD										
800	500+50.4	0.00	PR-RYD	MAN TA 4 DIA T8G	742.30	736.34		736.34		
802	502+36.7	0.00	PR-RYD	MAN TA 4 DIA T8G	745.75			741.28	741.28	
804	503.00.8	0.00	PR-RYD	MAN TA 4 DIA T8G	746.50	743.00	742.50			
806	503+52.9	0.00	PR-RYD	PRC FES 24				746.60		

• ELEVATION ESTIMATED - FIELD VERIFICATION REQUIRED

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-drain-schedule.dgn
 PLOT DATE: 11/28/2022
 PEN TABLE: plot.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM STRUCTURE SCHEDULE
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	57
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

STORM PIPE SCHEDULE

LOCATION			SLOPE (%)	TRENCH BACKFILL (CU YD)	STORM SEWERS CLASS A						STORM SEWERS CLASS A, EORS WM REQ	STORM SEWERS WATER MAIN REQUIREMENTS				
ID NUMBER	UPSTREAM STRUCTURE ID NUMBER	DOWNSTREAM STRUCTURE ID NUMBER			550A0050 12" (FOOT) TYPE 1	550A0070 15" (FOOT) TYPE 1	550A0120 24" (FOOT) TYPE 1	550A0160 36" (FOOT) TYPE 1	550A0340 12" (FOOT) TYPE 2	550A0380 18" (FOOT) TYPE 2	550A0410 24" (FOOT) TYPE 2	Z0056643 42" (FOOT)	Z0056608 12" (FOOT)	Z0056610 15" (FOOT)	Z0056612 18" (FOOT)	Z0056616 24" (FOOT)
SOUWANAS TRAIL																
1	2	302	2.00	15.10						16.0						
11	12	302	1.00	7.30								10.0				
13	14	12	1.00	3.00								10.0				
21	22	306	2.00	2.20					6.0							
23	24	22	1.00	3.20					10.0							
31	32	308	2.00	4.60					6.0							
33	34	32	1.00	8.40								23.0				
41	42	310	2.00	4.80					6.0							
43	44	42	1.00	8.40								23.0				
51	52	312	2.00	4.80					6.0							
53	54	52	1.00	15.30								23.0				
61	62	314	2.00	5.20					6.0							
63	64	62	1.00	16.80								23.0				
71	72	316	0.50	4.40						4.0						
73	74	72	0.50	8.40											23.0	
81	82	318	2.00	3.80					6.0							
83	84	82	1.00	8.40								23.0				
91	92	320	2.00	6.20					6.0							
93	94	92	1.00	19.00								23.0				
136	137	135	3.10	6.90		29.0										
142	143	141	0.50	6.50					25.0							
144	145	143	0.50	3.90	15.0											
148	149	147	1.00	3.10					12.0							
151	150	152	0.50	2.10	8.0											
153	154	152	0.50	3.60	14.0											
156	157	155	12.46	9.50					13.0							
158A	161	158	4.04	8.40					28.0							
159	160	158	6.50	3.50					10.0							
162	163	161	11.39	7.40					23.0							
165	166	164	2.00	3.60					11.0							
167	168	166	1.00	5.70					22.0							
170	169	171	0.46	22.20					86.0							
172	171	173	2.00	7.10					22.0							
174	173	175	4.27	192.90					234.0							
176	175	R.WALL	2.00	9.60	10.0											
177	178	177B	1.50	37.30		58.0										
179	180	178	1.75	100.60								112.0				
180A	180B	180	1.69	10.80								42.0				
181A	181B	181	10.19	6.30					21.0							
182	183	181	12.2	7.00								24.0				
185	186	184	9.27	12.00					40.0							
199	200	178	2.00	6.00					7.0							
201	202	200	1.00	15.20					24.0							
203	204	202	2.00	3.90					10.0							
205	206	200	2.00	6.40					10.0							
209	210	175	4.00	5.00					6.0							
211	212	210	1.00	15.20					24.0							
301	302	300	0.44	72.00								68.0				
303	304	302	0.50	30.50											36.0	
305	306	304	0.50	12.90							20.0					
307	308	306	1.00	139.60							165.0					
309	310	308	0.50	157.40											150.0	
311	312	310	1.00	98.50							105.0					
313	314	312	1.00	97.00							112.0					
315	316	314	1.00	106.50							118.0					
317	318	316	1.00	30.00								117.0				
319	320	318	1.00	71.30					90.0							
321	322	320	3.00	7.60					10.0							
SCHUETT STREET																
693	694	692	0.5	6.20										18.0		
695	696	694	0.5	16.70					49.0							
697	700	696	0.5	188.00										331.0		
698	699	700	0.5	51.00										150.0		
701	702	700	1.48	8.90					29.0							
705	706	703	1.78	60.80								162.0				
707	708	700	1.6	18.60								58.0				
709	710	703	2.67	9.00					28.0							
711	712	703	3.64	9.00	28.0											
600	900	901	1.49	219.60									342.0			
PR-RYD																
797	74	EX PIPE	0.5					7.0								
799	800	74	2.73								11.0					
801	802	800	2.70								183.0					
803	804	802	2.00								61.0					
805	806	804	7.65													
TOTAL				2,082.1	75.0	87.0	47.0	7.0	837.0	65.0	779.0	68.0	399.0	616.0	499.0	209.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM PIPE SCHEDULE			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 3	OF 8 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	58
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

SANITARY STRUCTURE SCHEDULE

STR. ID	STATION	OFFSET	GEOPAK ALIGNMENT	STRUCTURE TYPE	MANHOLES, RIM EL.	SANITARY INVERTS				NOTES
						NORTH	WEST	SOUTH	EAST	
SOUWANAS TRAIL										
100	140+90.6	-22.1	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	833.25		822.61			
102	140+09.8	0	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	830.86		820.13		820.18	
104	138+00.0	0	PR_SOUWANAS	DROP SAN MAN TIF CL	810.61		789.62		789.67	DROP INV (E) = 804.61. TYPE A, 5' DIA.
106	135+00.0	0	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	792.31		780.66		780.71	
108	132+51.4	0	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	787.15			778.15	778.20	
110	132+14.0	47.8	PR_SOUWANAS	DROP SAN MAN TIF CL	781.20	771.50	771.45			DROP INV (N) = 775.20. WATER TIGHT LOCKING LID. TYPE A, 5' DIA.
112	131+00	26	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	792.35		770.51		770.56	WATER TIGHT LOCKING LID
114	130+50	0	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	794.44		770.05		770.09	
116	127+26.1	0	PR_SOUWANAS	DROP SAN MAN TIF CL	797.22		767.47	767.49	767.49	DROP INV (S) = 788.64. TYPE A, 5' DIA.
118	124+50.0	0	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	793.14		765.32		765.34	
120	121+50.0	3.5	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	780.56		762.92		762.94	
200	101+73.3	13.1	PR_SOUWANAS	EX SAN MH	732.25	EX 717.78	EX 716.48	EX 715.33	EX 716.48	EX DROP INV (N) = 718.48. EX DROP INV (E) = 724.98.
202	101+85.5	0.8	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	732.99			718.63	718.63	
204	103+86.9	1.2	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	737.29	728.63	728.63		728.63	
206	103+87.6	-34.1	PR_SOUWANAS	EX SAN MH	738.37			EX 729.47	EX 729.47	
208	105+33.3	1.6	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	739.14		730.96	730.96	730.96	
213	108+33.3	2.4	PR_SOUWANAS	DROP SAN MAN TIF CL	741.63		734.30		734.35	DROP INV (E) = 736.17. TYPE A, 5' DIA.
217	109+86.9	2.9	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	743.77		737.31	737.31	737.31	
221	112+86.4	8.2	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	753.08		746.25		746.25	
224	114+99.9	8.2	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	755.89		747.98	747.98	747.98	
229	117+99.9	7.7	PR_SOUWANAS	SAN MAN TA 5 DIA TIF CL	761.58		753.66	753.66	753.66	
232	120+37.3	4	PR_SOUWANAS	DROP SAN MAN TIF CL	773.70	757.22	757.22		757.27	DROP INV (E) = 762.03. TYPE A, 5' DIA.
234	120+36.0	-52.9	PR_SOUWANAS	DROP SAN MAN TIF CL	775.83	760.10		760.07		DROP INV (N) = 770.93. TYPE A, 5' DIA.

HRG PROJECT NO: 17425
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 FILE NAME: 17425-SN-drain-schedule.dgn
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY STRUCTURE SCHEDULE
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	59
•	4003, 4004	CONTRACT NO.	61H80	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SANITARY PIPE SCHEDULE

LOCATION			SLOPE (%)	TRENCH BACKFILL		SANITARY SEWERS CLASS B, SDR 26			SANITARY SEWERS CLASS B DIP EPOXY COATED	
ID NUMBER	UPSTREAM STRUCTURE ID NUMBER	DOWNSTREAM STRUCTURE ID NUMBER		20800150 CA-6 (CU YD)	59300100 CLSM (CU YD)	20056900 8" (FOOT)	20057000 10" (FOOT)	20057300 18" (FOOT)	20058000 SPL (18") (FOOT)	
SOUWANAS TRAIL										
101	100	102	3.00	96.6				81.0		
103	102	104	6.00	180.1				207.0		
105	104	106	3.00	332.9				297.0		
107	106	108	1.00	275.8				246.0		
109	108	110	5.09	50.5				58.0		
111	110	112	0.80	219.3				112.0		
113	112	114	0.80		1,282.1				52.0	
115	114	116	0.80		367.8				320.0	
117	116	118	0.80		1,291.3				273.0	
119	118	120	0.80		1,078.1				297.0	
121	120	232	0.80		272.8				110.0	
201	202	200	12.65	38.4				17.0		
203	204	202	4.98	320.4				201.0		
205	206	204	2.5	33.6		35.0				
207	208	204	1.5	153.0				146.0		
209	PLUG	208	1.0	24.4		22.0				
210	213	208	1.1	270.6				300.0		
212	PLUG 733.43	SERV WYE 733.20	1.0	25.5		23.0				
214	PLUG 734.29	SERV WYE 734.06	1.0	25.5		23.0				
215	217	213	0.75	58.6				153.0		
216	PLUG 736.67	SERV WYE 736.44	1.0	25.5		23.0				
218	PLUG	217	1.0	24.9		33.0				
219	221	217	2.98	216.0				300.0		
220	PLUG 741.38	SERV WYE 741.16	1.0	17.3		22.0				
222	PLUG 747.04	SERV WYE 746.81	1.0	20.8		23.0				
223	224	221	0.80	176.6				213.0		
225	PLUG	224	1.0	33.6		35.0				
226	PLUG 749.20	SERV WYE 748.98	1.0	21.1		22.0				
227	224	229	1.89	281.4				300.0		
228	PLUG 752.98	SERV WYE 752.77	1.0	20.2		21.0				
230	PLUG	229	1.0	31.7		33.0				
231	232	229	1.50	403.8				237.0		
233	234	232	5.0		137.9			57.0		
236	PLUG 785.64	SERV WYE 785.47	1.0	26.3		21.0				
237	EX SAN	116	1.0	7.1			5.0			
TOTAL					3,411.5	4,430.0	336.0	5.0	2,925.0	1,052.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY PIPE SCHEDULE			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 5 OF 8 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	60
•	4003, 4004	CONTRACT NO.	61H80	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

WATER MAIN SCHEDULE

LOCATION								WATER MAIN (DIP CLASS 52, CEMENT LINED)				WATERMAIN ENCASEMENT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	CONNECTION TO EXISTING WATER MAIN	CONNECTION TO EXISTING WATER MAIN	CONNECTION TO EXISTING WATER MAIN	NOTES
WATER MAIN TAG	BEGIN STATION	BEGIN OFFSET (LT "-" RT "+") (FOOT)	END STATION	END OFFSET (LT "-" RT "+") (FOOT)	ALIGNMENT	RIM / BURY LINE ELEVATION	TRENCH BACKFILL (CU YD)	56103000 6" (FOOT)	56103100 8" (FOOT)	56103200 10" (FOOT)	56103300 12" (FOOT)	X0327747 (FOOT)	56400820 (EACH)	X5630706 6" (EACH)	X5630708 8" (EACH)	X5630710 10" (EACH)	
SOUWANAS TRAIL																	
200	102+06.7	-10.70	102+05.7	-15.70	PR_SOUWANAS		5.10	15.0									WM LOWERING BY 24". TIE INTO EX VALVE.
201	108+78.3	-8.90	109+03.3	-8.80	PR_SOUWANAS		8.80				25.0						WM LOWERING BY 30". TIE INTO EX VALVE. PIPE TO MOVE RIM OUT OF WHEEL PATH
328	105+20.8	-11.00	105+20.8	-5.95	PR_SOUWANAS		4.00		5.0								SEE CONFLICT SCHED FOR WM DEPTHS
330	105+20.8	-5.95	105+20.6	27.50	PR_SOUWANAS		23.00		33.0								PIPE TO MOVE RIM OUT OF WHEEL PATH
301	109+28.7	-8.77	109+28.7	-4.77	PR_SOUWANAS		3.00		4.0								SEE CONFLICT SCHED FOR WM DEPTHS
303	109+28.7	-4.77	109+28.5	28.63	PR_SOUWANAS		23.00		33.0			25.0					WM TOP OF PIPE AT 7' AT SAN XING
307	114+58.3	-29.98	114+56.6	35.34	PR_SOUWANAS		45.00		65.0			40.0					SEE CONFLICT SCHED FOR WM DEPTHS
309	118+77.6	-34.34	118+77.3	-26.22	PR_SOUWANAS		6.00		8.0								PIPE TO MOVE RIM OUT OF SIDEWALK
311	118+77.3	-26.22	118+75.2	37.14	PR_SOUWANAS		43.00		63.0			25.0					
F312B	134+40.7	-95.50			PR_SOUWANAS										1		CONNECT AT FOUNDATION TO WTP
312	134+24.2	-95.90	134+40.7	-95.50	PR_SOUWANAS		11.00			16.0							RAW WATER LINE
313	134+15.5	-96.20	134+24.2	-95.90	PR_SOUWANAS		7.00			9.0							RAW WATER LINE
314	134+13.7	15.40	134+15.5	-96.20	PR_SOUWANAS		77.00			112.0		25.0					RAW WATER LINE
315	134+13.7	15.40	139+47.2	15.90	PR_SOUWANAS		363.00			533.0							SEE CONFLICT SCHED FOR WM DEPTHS @ WM XINGS
316	139+47.2	15.90	140+10.6	-43.95	PR_SOUWANAS		60.00			87.0							SEE CONFLICT SCHED FOR WM DEPTHS @ WM XINGS
317	140+10.6	-43.95	140+28.6	-60.96	PR_SOUWANAS		17.00			25.0							RAW WATER LINE
318	140+28.6	-60.96	140+33.6	-65.72	PR_SOUWANAS		5.00			7.0							RAW WATER LINE
319	140+33.6	-65.70	140+44.0	-430.26	PR_SOUWANAS		249.00			365.0							RAW WATER LINE
320	140+44.0	-430.30	140+30.2	-444.80	PR_SOUWANAS		14.00			20.0							RAW WATER LINE
321	140+33.2	-444.80	140+10.5	-445.50	PR_SOUWANAS		14.00			20.0							RAW WATER LINE
F321	140+10.5	-445.50			PR_SOUWANAS											1	SPIN ADAPTOR TO CONNECT.
322	140+10.6	-43.96	140+14.6	-39.70	PR_SOUWANAS		5.00			6.0							RAW WATER LINE
323	140+14.6	-39.70	140+18.6	-35.43	PR_SOUWANAS		5.00			6.0							RAW WATER LINE
SCHUETT STREET																	
901	500+22.9	-11.90	500+26.3	38.00	EX_HUBBARD					50.0							
903	300+57.3	20.60	303+25.6	24.40	EX_SCHUETT		183.00			269.0							
905	303+25.6	24.40	303+35.6	24.40	EX_SCHUETT		7.00			10.0							
907	303+35.6	24.40	303+34.7	-27.40	EX_SCHUETT		36.00			52.0							
909	303+34.7	-27.40	303+24.2	-45.10	EX_SCHUETT		15.00			21.0							
F910	303+24.2	-45.10			EX_SCHUETT									1			VOA TURN LINCOLN VALVE OFF TO CONNECT
911	303+35.6	24.40	304+07.1	24.95	EX_SCHUETT		49.00			72.0							
913	304+07.1	24.95	304+07.0	18.50	EX_SCHUETT		5.00	7.0									
H914	304+07.0	18.50			EX_SCHUETT	752.57							1				
915	304+07.1	24.95	305+58.8	30.30	EX_SCHUETT		109.00			159.0							
917	305+58.8	30.30	306+92.8	24.00	EX_SCHUETT		97.00			142.0							
919	306+92.8	24.00	307+02.8	24.00	EX_SCHUETT		7.00			10.0							
921	307+02.8	24.00	307+03.4	-32.00	EX_SCHUETT		39.00			56.0		40.0					
923	307+03.4	-32.00	307+03.3	-38.00	EX_SCHUETT		5.00			6.0							
F924	307+03.3	-38.00			EX_SCHUETT									1			VOA TURN SUMMITT VALVE OFF TO CONNECT
925	307+02.8	24.00	307+72.4	23.30	EX_SCHUETT		48.00			70.0							
927	307+72.4	23.30	307+72.5	18.50	EX_SCHUETT		4.00	5.0									
H928	307+72.5	18.50			EX_SCHUETT	755.25							1				
929	307+72.4	23.30	308+45.7	22.60	EX_SCHUETT		51.00			74.0							
931	308+45.7	22.60	308+60.7	24.10	EX_SCHUETT		12.00			17.0							
933	308+60.7	24.10	308+96.4	26.20	EX_SCHUETT		29.00			42.0							
935	308+96.4	26.20	311+88.3	21.60	EX_SCHUETT		203.00			298.0							
937	311+88.3	21.60	312+44.0	21.60	EX_SCHUETT		39.00			56.0							
939	312+44.0	21.60	312+44.0	-22.70	EX_SCHUETT		30.00			44.0							
941	312+44.0	-22.70	312+44.0	-32.50	EX_SCHUETT		7.00			10.0							
943	312+44.0	-32.50	312+44.0	-38.50	EX_SCHUETT		5.00			6.0							
F944	312+44.0	-38.50			EX_SCHUETT									1			VOA TURN JAMES VALVE OFF TO CONNECT
945	312+44.0	-22.70	312+61.9	-22.70	EX_SCHUETT		13.00	18.0									
H946	312+61.9	-22.70			EX_SCHUETT	770.10							1				
947	312+44.0	21.60	315+14.5	21.30	EX_SCHUETT		185.00			271.0							
949	315+14.5	21.30	315+33.0	22.30	EX_SCHUETT		13.00			19.0							
951	315+33.4	22.30	315+32.8	32.10	EX_SCHUETT		7.00	10.0									
H952	315+32.8	32.10			EX_SCHUETT	774.30							1				
953	315+33.4	22.20	315+52.3	23.50	EX_SCHUETT		17.00			24.0							
TOTAL							2,236.9	55.0	1,989.0	1,206.0	25.0	155.0	4	3	1	1	

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SW-drain-schedule.dgn
 PEN TABLE: 17425.tbl
 HRGreen



USER NAME = jstrzal	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN SCHEDULE			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 6 OF 8 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00092-00-PV	MCHENRY	123	61
	4003, 4004	CONTRACT NO.	61H80	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

WATER MAIN CONFLICT SCHEDULE

WM PIPE NUMBER	LOCATION		CONFLICT TYPE	TOP OF PIPE ELEVATION	BOTTOM OF PIPE ELEVATION	CLEARANCE (FOOT)	MITIGATION
	STATION	OFFSET (+ RT, - LT)					
SCHUETT STREET							
EX WM	299+78.6	16.70	HORIZONTAL CROSSING	744.12	746.11	1.99	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #693.
907	303+34.9	-13.50	HORIZONTAL CROSSING	746.75	748.88	2.13	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #707.
907	303+35.1	-5.40	HORIZONTAL CROSSING	741.44	746.08	4.64	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 4.64'.
907	303+35.4	12.30	HORIZONTAL CROSSING	744.50	747.87	3.37	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #697.
907	303+35.5	15.40	HORIZONTAL CROSSING	744.50	745.50	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
917	305+74.0	26.10	HORIZONTAL CROSSING	743.83	747.20	3.37	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 3.37'.
917	305+96.6	24.90	HORIZONTAL CROSSING	745.75	746.75	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
921	307+03.2	-13.30	HORIZONTAL CROSSING	748.65	751.05	2.40	WATER MAIN ENCASEMENT.
921	307+03.1	-1.90	HORIZONTAL CROSSING	748.77	749.88	1.11	WATER MAIN ENCASEMENT.
921	307+03.0	2.40	HORIZONTAL CROSSING	745.90	748.10	2.20	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 2.20'.
921	307+03.0	19.70	HORIZONTAL CROSSING	747.13	748.13	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
939	312+44.0	0.60	HORIZONTAL CROSSING	764.05	764.76	0.71	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #600.
939	312+44.0	-3.90	HORIZONTAL CROSSING	755.06	763.05	7.99	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 7.99'.
939	312+44.0	16.50	HORIZONTAL CROSSING	762.80	763.80	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
SOUWANAS TRAIL							
EX WM	101+62.0	-16.60	HORIZONTAL CROSSING	726.50	726.60	0.10	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #301.
200	102+06.3	-17.30	HORIZONTAL CROSSING	725.63	727.00	1.37	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #301.
EX WM	102+15.0	-10.70	HORIZONTAL CROSSING	727.61	727.68	0.07	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #303.
EX WM	102+30.0	-11.75	LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #11 & #13.
EX WM	103+87.1	-10.30	HORIZONTAL CROSSING	729.55	731.21	1.66	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 1.66'.
EX WM	104+00.	-10.30	HORIZONTAL CROSSING	731.88	733.13	1.25	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #33.
330	105+20.7	1.55	HORIZONTAL CROSSING	731.45	732.99	1.54	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 1.54'.
330	105+20.6	19.10	HORIZONTAL CROSSING	731.00	731.35	0.35	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #309.
EX WM	105+50.0	-9.90	HORIZONTAL CROSSING	733.56	734.89	1.33	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #43.
EX WM	106+55.0	-9.60	HORIZONTAL CROSSING	734.75	736.50	1.75	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #53.
EX WM	107+67.0	-9.20	HORIZONTAL CROSSING	735.65	738.19	2.54	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #63.
EX WM	108+90.3	-8.90	HORIZONTAL CROSSING	734.35	735.69	1.34	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #73.
303	109+28.6	2.70	HORIZONTAL CROSSING	735.70	736.88	1.18	WATER MAIN ENCASEMENT.
303	109+28.5	19.40	HORIZONTAL CROSSING	735.50	737.23	1.73	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #317.
EX WM	110+10.0	-8.50	HORIZONTAL CROSSING	739.35	740.93	1.58	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #83.
EX WM	111+00.0	-7.10	HORIZONTAL CROSSING	742.19	744.46	2.27	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #93.
307	114+57.6	-2.10	HORIZONTAL CROSSING	747.15	749.28	2.13	WATER MAIN ENCASEMENT.
307	114+57.3	7.60	HORIZONTAL CROSSING	747.00	747.64	0.64	WATER MAIN ENCASEMENT.
311	118+76.5	-2.10	HORIZONTAL CROSSING	759.01	761.32	2.31	WATER MAIN ENCASEMENT.
311	118+76.2	6.60	HORIZONTAL CROSSING	756.30	757.91	1.61	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 1.61'.
EX WM	120+36.4	-32.80	HORIZONTAL CROSSING	760.57	767.88	7.31	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 7.31'.
EX WM	133+31.6	-0.50	HORIZONTAL CROSSING	780.50	782.26	1.76	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 1.76'.
EX WM	133+31.6	19.40	HORIZONTAL CROSSING	783.50	783.93	0.43	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #179.
EX WM	133+50.0	24.80	LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #179.
314	134+14.1	-9.80	HORIZONTAL CROSSING	784.61	787.15	2.54	WATER MAIN ENCASEMENT.
314	134+13.9	0.00	HORIZONTAL CROSSING	781.32	783.79	2.47	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 2.47'.
315	134+17.8	15.40	HORIZONTAL CROSSING	782.42	783.42	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
315	134+17.8	21.00	LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #180A.
EX WM	135+50.0	-22.60	HORIZONTAL CROSSING	788.85	790.64	1.79	WATER MAIN QUALITY STORM SEWER PIPE, STORM PIPE #182.
EX WM	137+18.0	0.00	HORIZONTAL CROSSING	788.69	797.52	8.83	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 8.83'.
315	137+19.0	16.10	HORIZONTAL CROSSING	796.50	797.50	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
316	139+65.0	0.00	HORIZONTAL CROSSING	818.26	820.35	2.09	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 2.09'.
316	139+88.3	-22.90	HORIZONTAL CROSSING	821.90	822.90	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
316	139+95.3	-29.50	HORIZONTAL CROSSING	822.50	823.50	1.00	NONE. PR WM CROSSES UNDER EX WM BY 1.0'
EX WM	140+21.4	-3.20	HORIZONTAL CROSSING	822.04	825.42	3.38	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 3.38'.
EX WM	140+43.3	-9.20	HORIZONTAL CROSSING	822.72	826.50	3.78	NONE. WATER MAIN CROSSES OVER SANITARY SEWER BY 3.78'.

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SW-drain-schedule.dgn
 PLOT DATE: 12/18/2022
 PEN TABLE: penTable.tbl



USER NAME = jstrzal	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN CONFLICT SCHEDULE
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	62
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

WATER MAIN FITTING SCHEDULE

LOCATION				WATER VALVES	WATER VALVES	VALVE VAULTS TYPE 1 FRAME, CLOSED LID	VALVE VAULTS TYPE 1 FRAME, CLOSED LID	D.I. WATER MAIN TEE	D.I. WATER MAIN TEE	D.I. WATER MAIN TEE	WATER MAIN FITTINGS 8"	WATER MAIN FITTINGS 10"	WATER MAIN FITTINGS 8"	WATER MAIN FITTINGS 8"	WATER MAIN FITTINGS 8"	WATER MAIN FITTINGS 10"	WATER MAIN FITTINGS 10"	WATER MAIN REDUCER	WATER MAIN REDUCER	PRESSURE CONNECTION	NOTES	
WATER MAIN TAG	BEGIN STATION	BEGIN OFFSET (LT "-" RT "+") (FOOT)	ALIGNMENT	RIM / BURY LINE ELEVATION	56105000 8" (EACH)	56105100 10" (EACH)	60248700 4' DIAMETER (EACH)	60248900 5' DIAMETER (EACH)	X5610004 8" X 6" (EACH)	X5610004 8" X 8" (EACH)	X5610004 10" X 10" (EACH)	X5610004 PLUG (EACH)	X5610004 PLUG (EACH)	X5610004 11.25 DEG BEND (EACH)	X5610004 22.5 DEG BEND (EACH)	X5610004 45 DEG BEND (EACH)	X5610004 45 DEG BEND (EACH)	X5610004 90 DEG BEND (EACH)	56101150 8" X 6" (EACH)	56101156 10" X 8" (EACH)	Z0044298 (EACH)	
SOUWANAS TRAIL																						
F 327	105+20.8	-11.00	PR_SOUWANAS																		1	ONAWAY TRAIL STUB
V 329	105+20.8	-5.95	PR_SOUWANAS	738.89	1		1															
F 330	105+20.6	27.50	PR_SOUWANAS									1										CONTRACTOR TO AS-BUILT
F 300	109+28.7	-8.77	PR_SOUWANAS																		1	MANHATAS TRAIL STUB
V 302	109+28.7	-4.77	PR_SOUWANAS	742.70	1		1															
F 303	109+28.5	28.60	PR_SOUWANAS									1										CONTRACTOR TO AS-BUILT
F 304	114+58.5	-34.87	PR_SOUWANAS																		1	MENOMA TRAIL STUB
V 306	114+58.3	-29.98	PR_SOUWANAS	756.86	1		1															
F 307	114+56.6	35.30	PR_SOUWANAS									1										CONTRACTOR TO AS-BUILT
F 308	118+77.6	-34.34	PR_SOUWANAS																		1	MANITO TRAIL STUB
V 310	118+77.3	-26.22	PR_SOUWANAS	766.29	1		1															
F 311	118+75.2	37.10	PR_SOUWANAS									1										CONTRACTOR TO AS-BUILT
F 312A	134+40.7	-95.50	PR_SOUWANAS																		1	
V 313	134+24.2	-95.90	PR_SOUWANAS	792.35		1		1														
F 313	134+15.5	-96.20	PR_SOUWANAS																		1	
F 314	134+13.7	15.40	PR_SOUWANAS																		1	
F 315	139+47.2	15.90	PR_SOUWANAS														1					
F 316	140+10.6	-43.95	PR_SOUWANAS								1											
V 317	140+28.6	-60.96	PR_SOUWANAS	833.46		1		1														
F 318	140+33.6	-65.72	PR_SOUWANAS														1					
F 319	140+44.0	-430.30	PR_SOUWANAS														1					
F 320	140+33.2	-444.80	PR_SOUWANAS														1					
V 322	140+14.6	-39.70	PR_SOUWANAS	832.25		1		1														
F 323	140+18.6	-35.42	PR_SOUWANAS									1										CONTRACTOR TO AS-BUILT
VERTICAL FITTING																						
SCHUETT STREET																						
F 900	500+22.9	-11.90	EX_HUBBARD	749.85	1		1														1	
F 902	300+57.3	20.65	EX_SCHUETT													1						
V 904	303+25.6	21.70	EX_SCHUETT	751.53	1		1															
F 906	303+35.6	24.40	EX_SCHUETT						1													
F 908	303+34.7	-27.40	EX_SCHUETT														1					
F 910A	303+24.2	-45.10	EX_SCHUETT																	1		
F 912	304+07.1	24.95	EX_SCHUETT					1														
F 916	305+58.8	30.30	EX_SCHUETT												1							
V 918	306+92.8	24.00	EX_SCHUETT	754.25	1		1															
F 920	307+02.8	24.00	EX_SCHUETT						1													
V 922	307+03.4	-32.00	EX_SCHUETT	754.50	1		1															
F 924A	307+03.3	-38.00	EX_SCHUETT																	1		
F 926	307+72.4	23.30	EX_SCHUETT					1														
F 930	308+45.7	22.60	EX_SCHUETT											1								
F 932	308+60.7	24.10	EX_SCHUETT											1								
F 934	308+96.4	26.20	EX_SCHUETT													1						
V 936	311+88.3	21.60	EX_SCHUETT	769.38	1		1															
F 938	312+44.0	21.60	EX_SCHUETT						1													
F 940	312+44.0	-22.70	EX_SCHUETT					1														
V 942	312+44.0	-32.50	EX_SCHUETT	769.49	1		1															
F 944A	312+44.0	-38.50	EX_SCHUETT																	1		
F 948	315+14.5	21.30	EX_SCHUETT											1								
F 950	315+33.4	22.30	EX_SCHUETT					1														
V 954	315+52.3	23.50	EX_SCHUETT	773.75	1		1														1	MATCH RIM TO EX PAVT ELEV
VERTICAL FITTING																						
TOTAL																						
				11	3	11	3	4	3	1	4	1	5	4	4	16	2	3	1	6		

HRG PROJECT NO. 17425
 HRG PROJ. CONTACT:
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 PEN TABLE: 17425.tbl

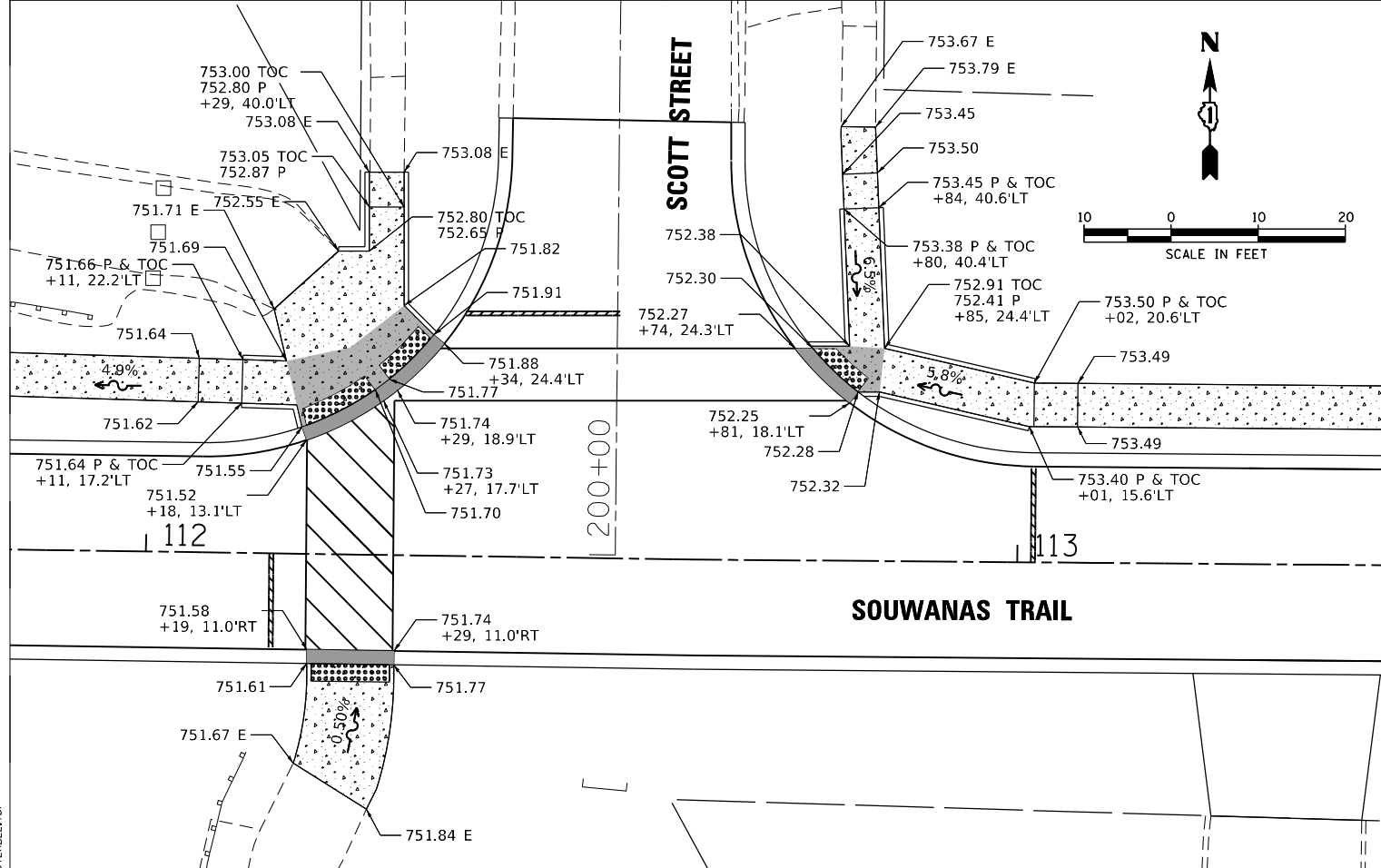
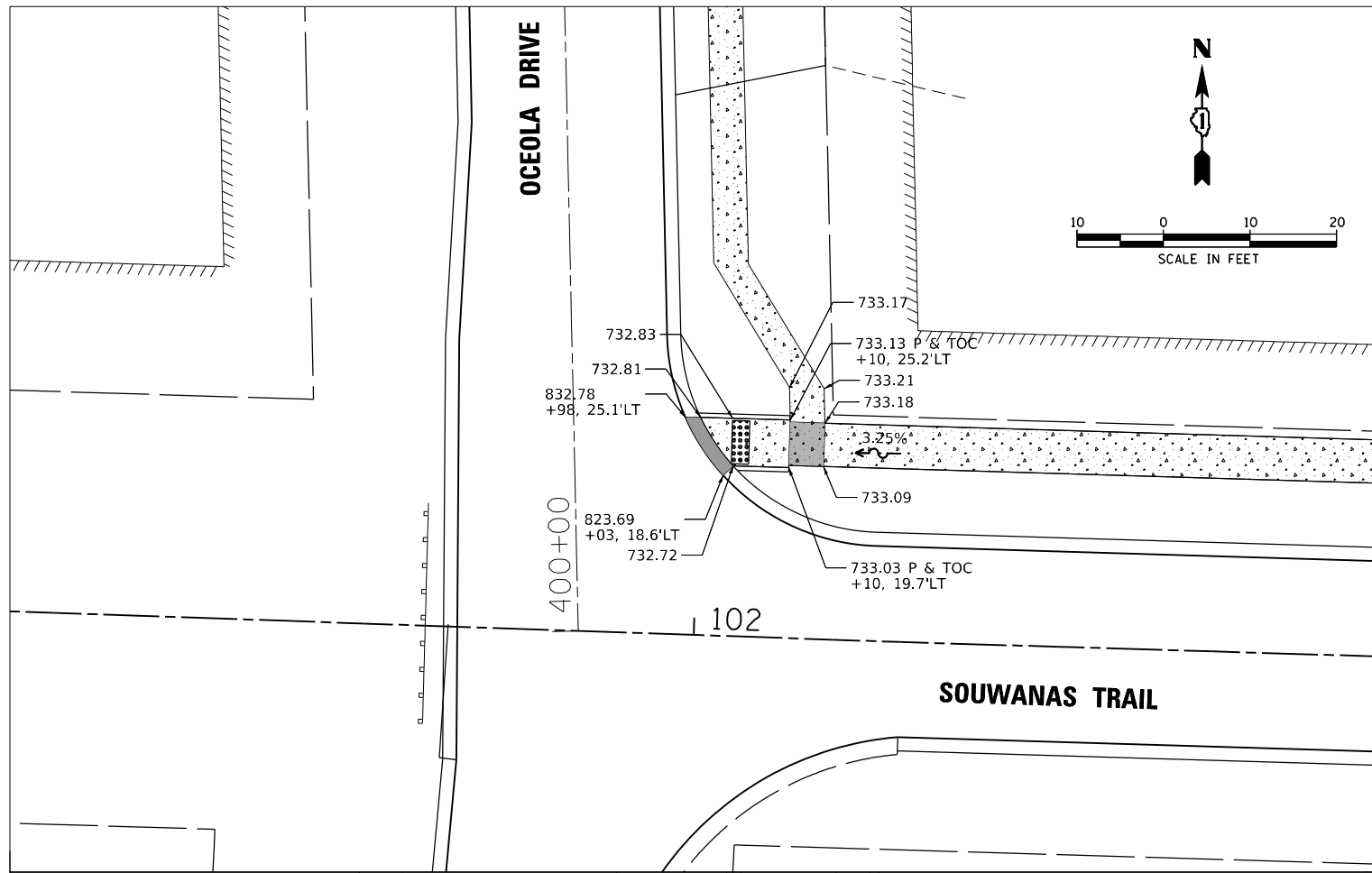


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	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN FITTING SCHEDULE			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 8 OF 8 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	63
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	



- LEGEND**
- DETECTABLE WARNINGS
 - PROPOSED SIDEWALK
 - DEPRESSED CURB
 - SIDEWALK LANDING AREA
 - PROPOSED SIDE CURB
 - (X.X%) EXISTING ELEVATION/SLOPE

E & TOC = EXISTING SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 P & TOC = PROPOSED SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 E = EXISTING PAVEMENT SURFACE

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
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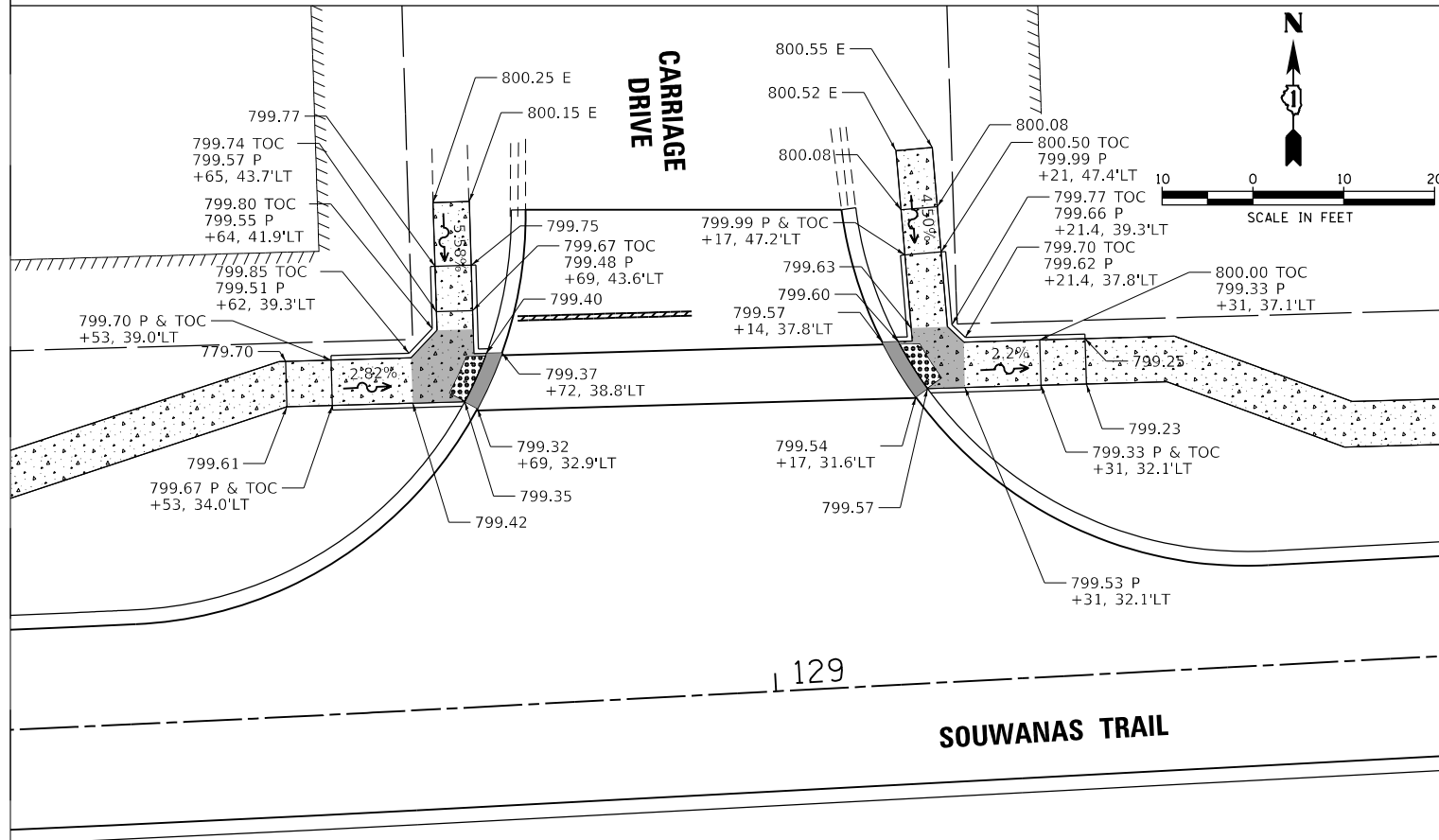
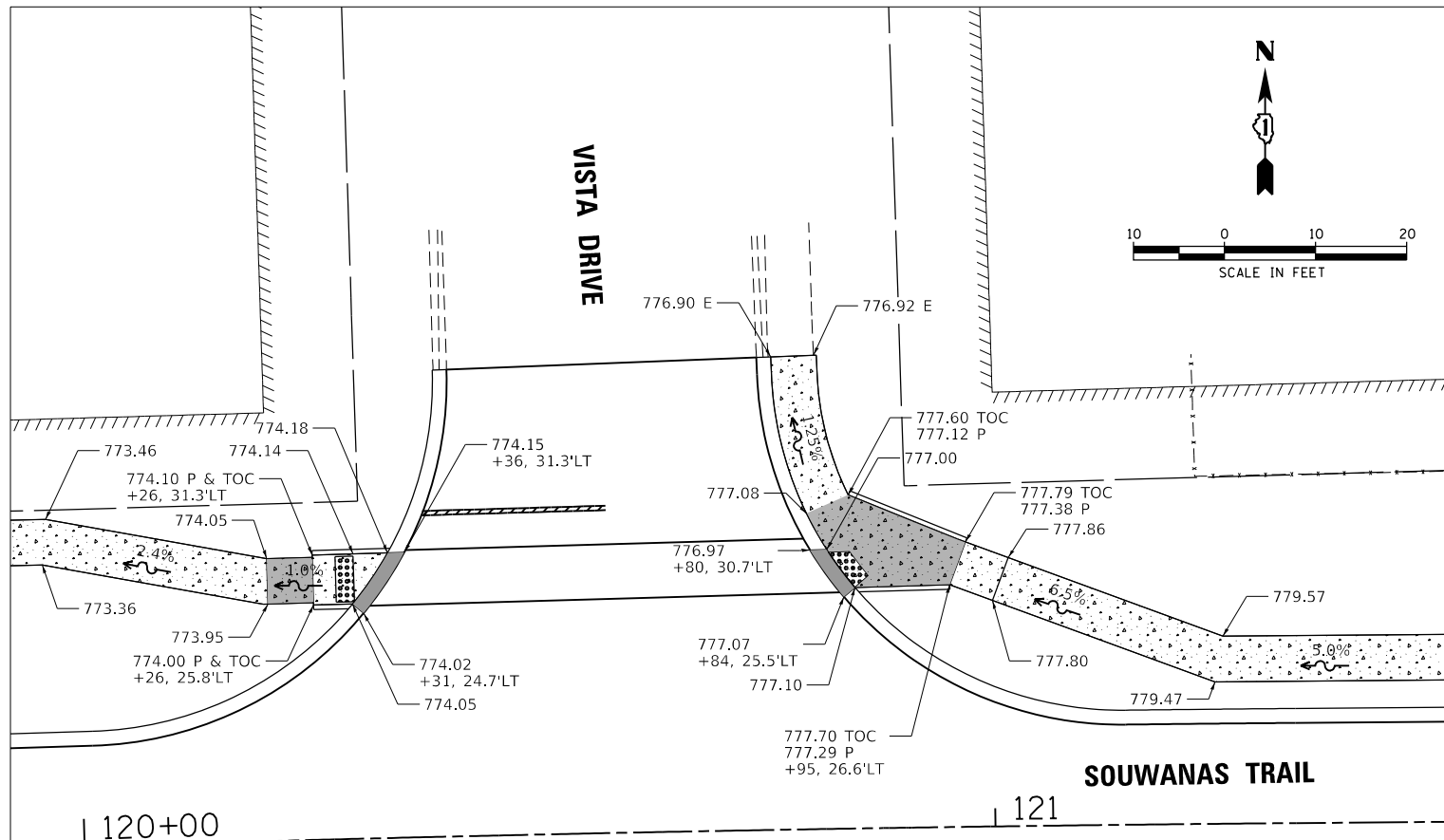


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	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: 1"=10'	SHEET 1	OF 7 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	64
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



- LEGEND**
- DETECTABLE WARNINGS
 - PROPOSED SIDEWALK
 - DEPRESSED CURB
 - SIDEWALK LANDING AREA
 - PROPOSED SIDE CURB
 - (X.X%) EXISTING ELEVATION/SLOPE

E & TOC = EXISTING SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 P & TOC = PROPOSED SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 E = EXISTING PAVEMENT SURFACE

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-DET-3-17-2022.dwg
 PEN TABLE: PLOT-LABEL.tbl



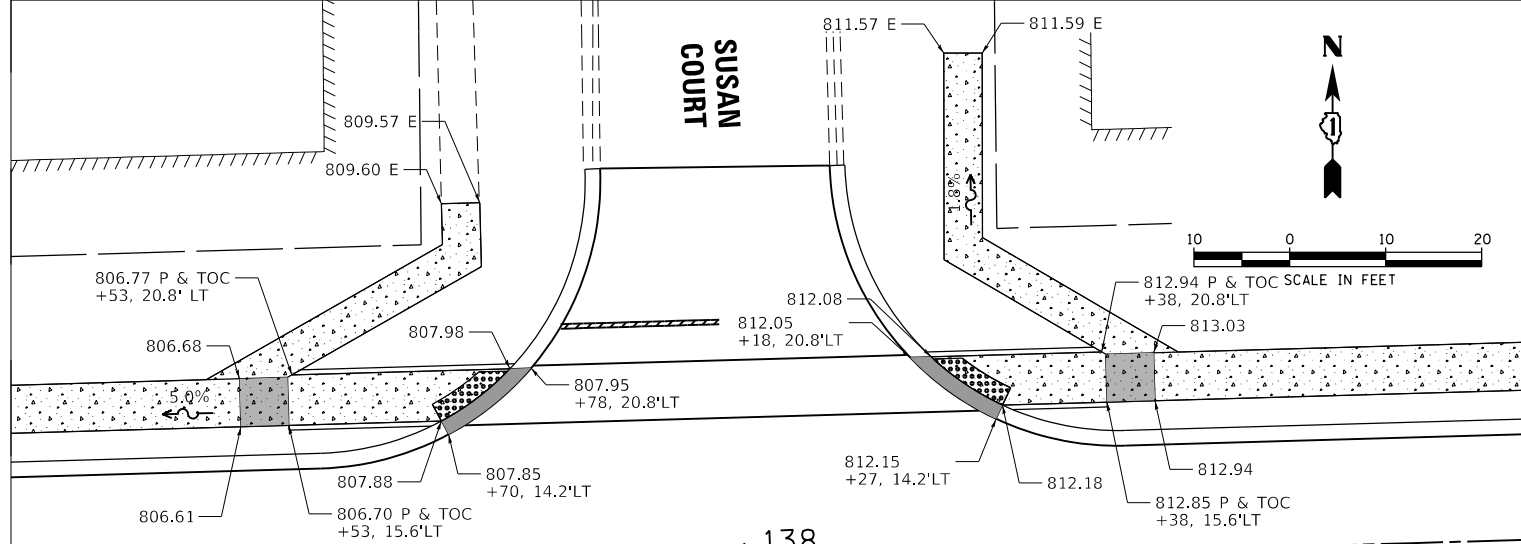
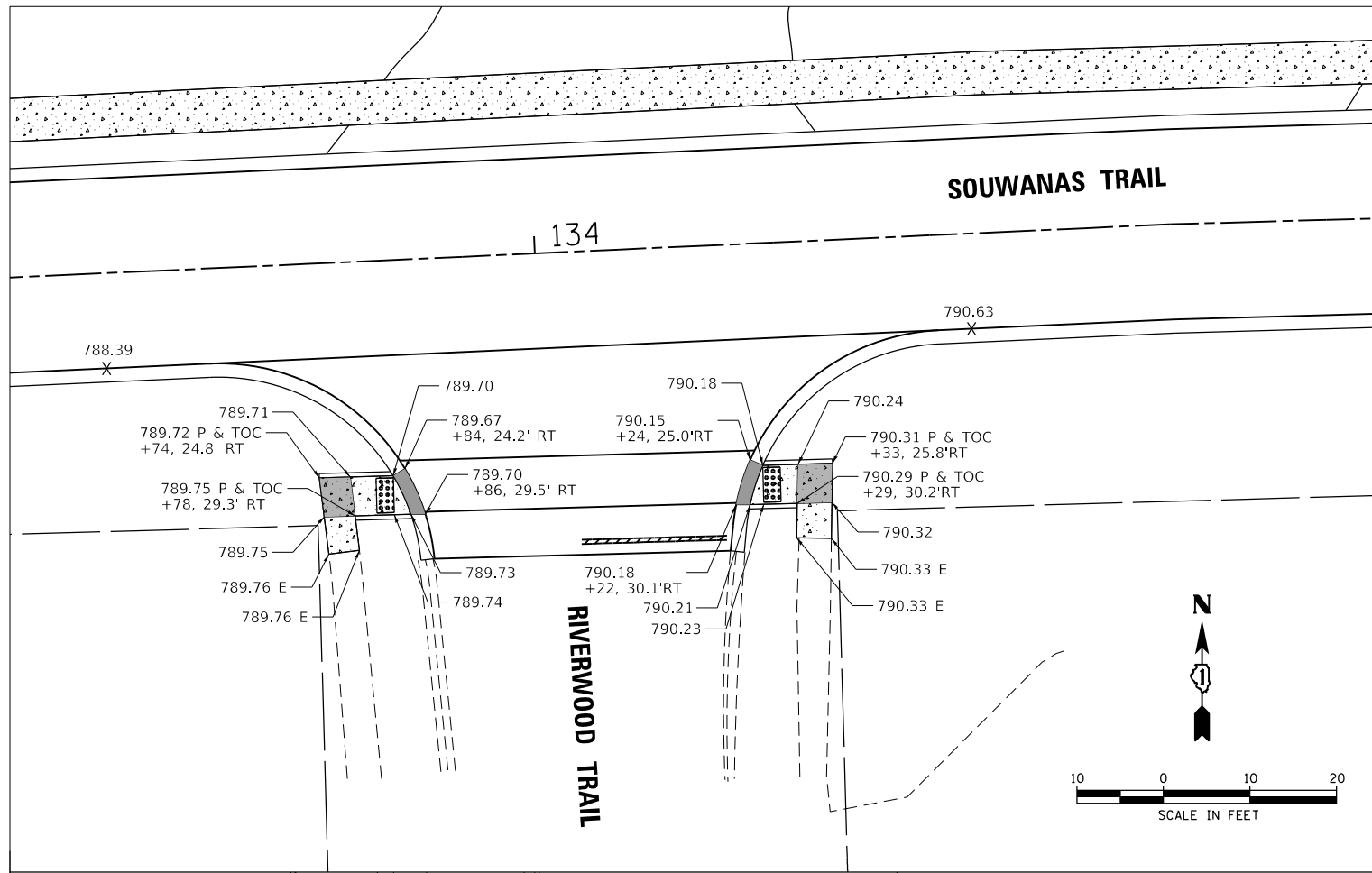
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	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: 1"=10' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	65
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



- LEGEND**
- DETECTABLE WARNINGS
 - PROPOSED SIDEWALK
 - DEPRESSED CURB
 - SIDEWALK LANDING AREA
 - PROPOSED SIDE CURB
 - (X.X%) EXISTING ELEVATION/SLOPE

E & TOC = EXISTING SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 P & TOC = PROPOSED SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 E = EXISTING PAVEMENT SURFACE

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-06+SRV.dwg
 PEN TABLE: PL07-LABEL.tbl



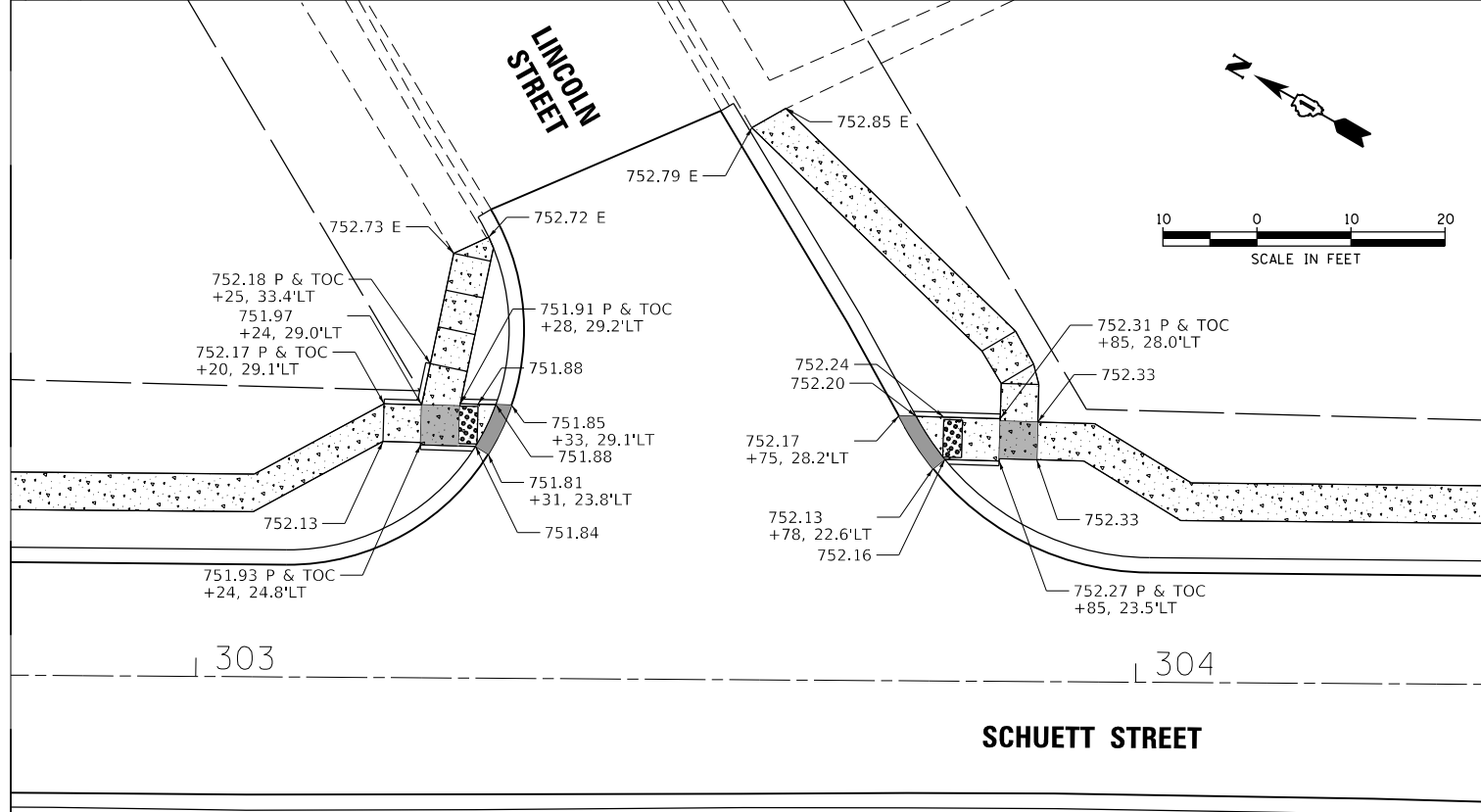
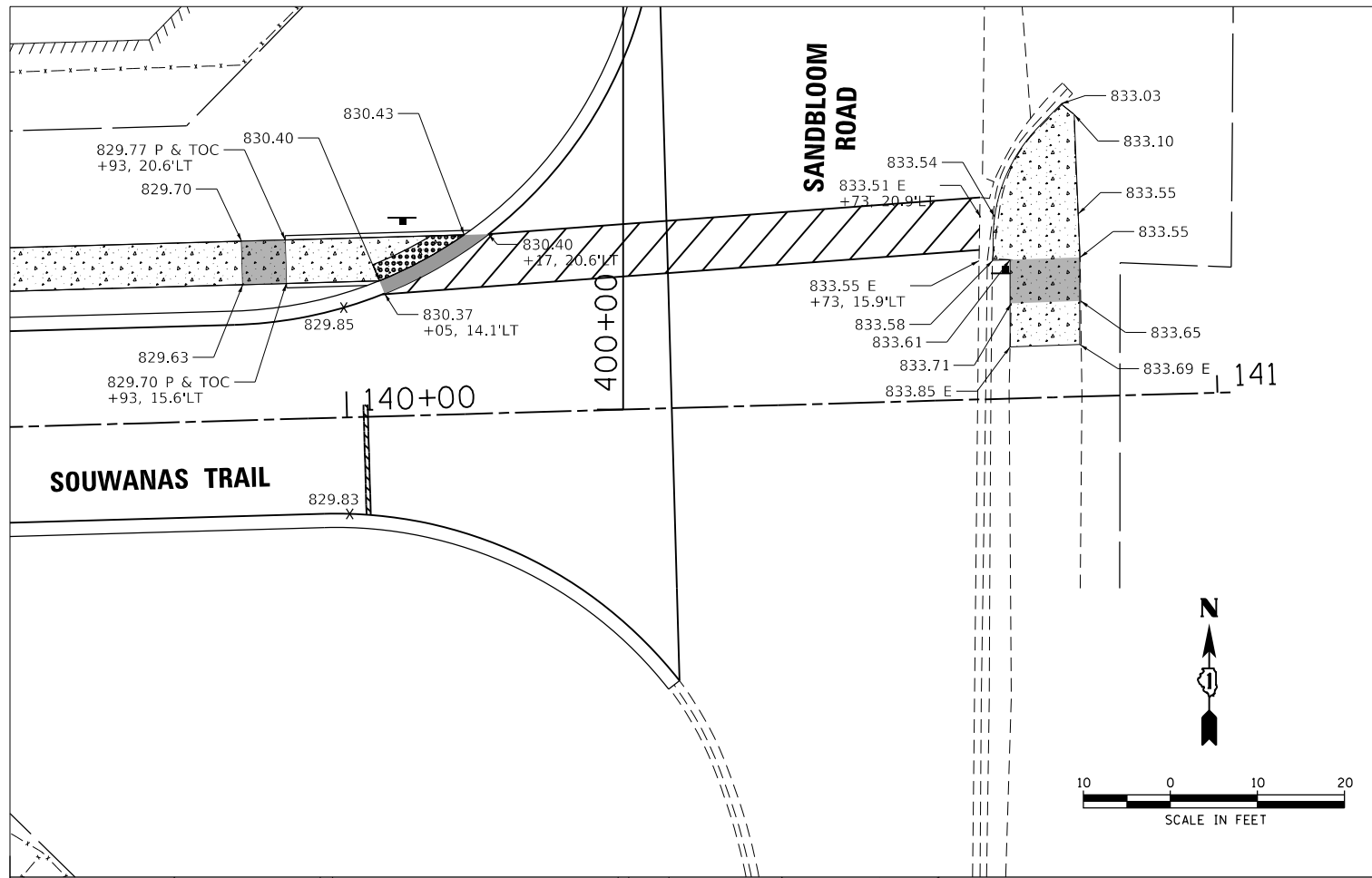
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	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: 1"=10' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	66
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



- LEGEND**
- DETECTABLE WARNINGS
 - PROPOSED SIDEWALK
 - DEPRESSED CURB
 - SIDEWALK LANDING AREA
 - PROPOSED SIDE CURB
 - (X.X%) EXISTING ELEVATION/SLOPE

E & TOC = EXISTING SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 P & TOC = PROPOSED SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
 E = EXISTING PAVEMENT SURFACE

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 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-DET-3-17-2022.dgn
 PEN TABLE: PLOT LABEL.tbl

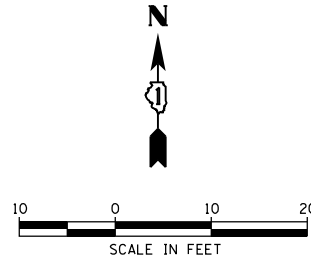
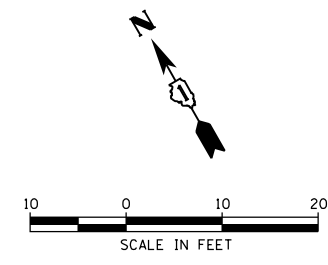
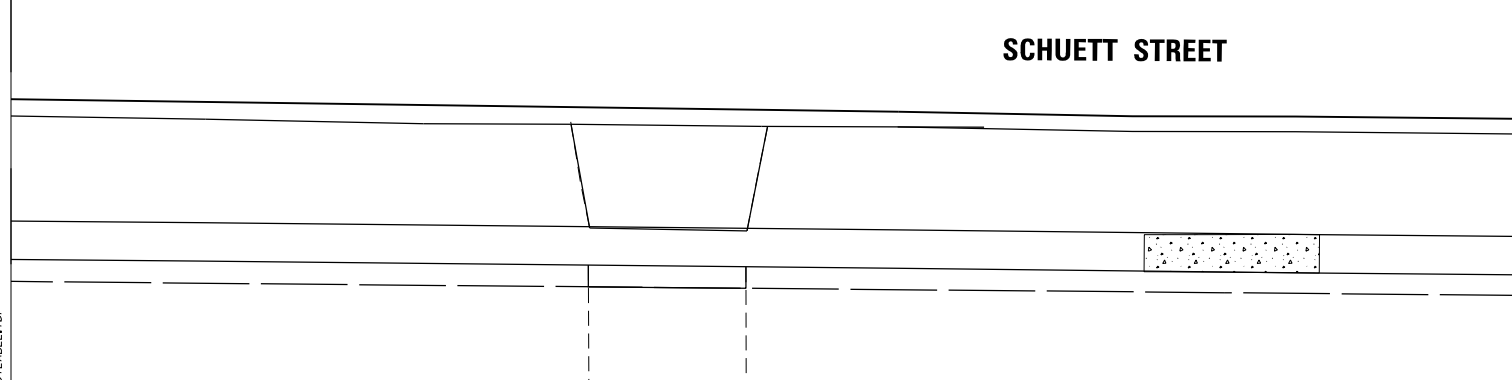
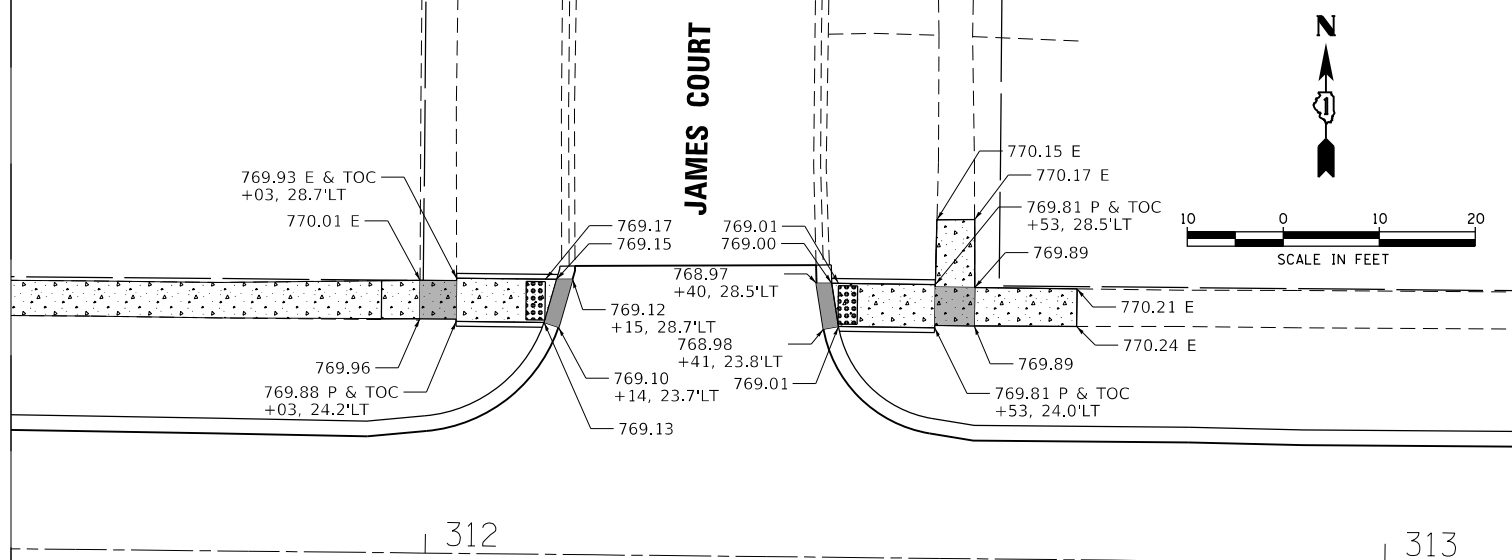
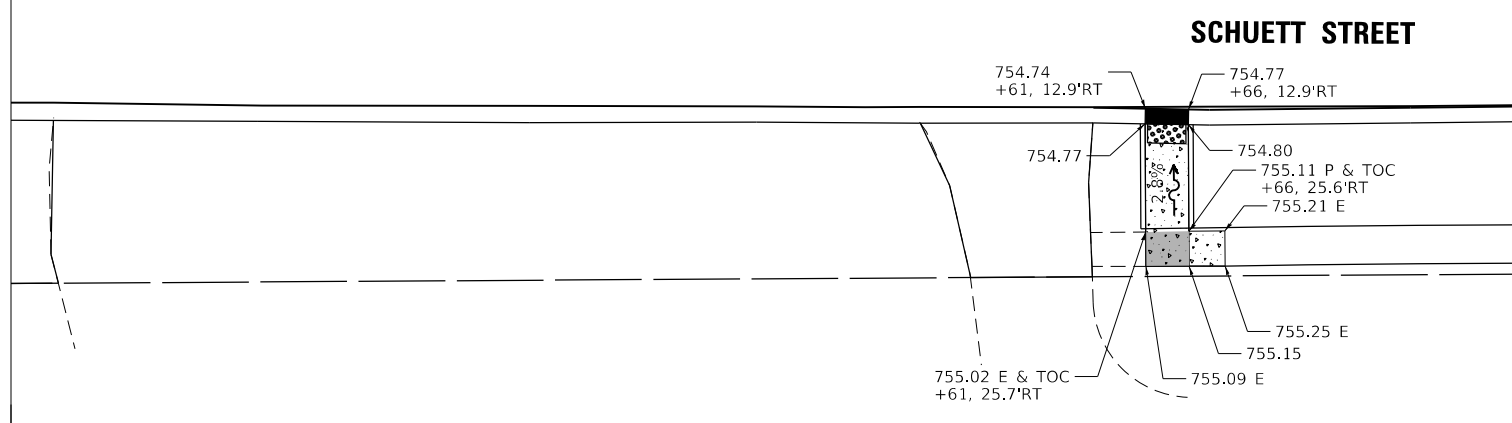
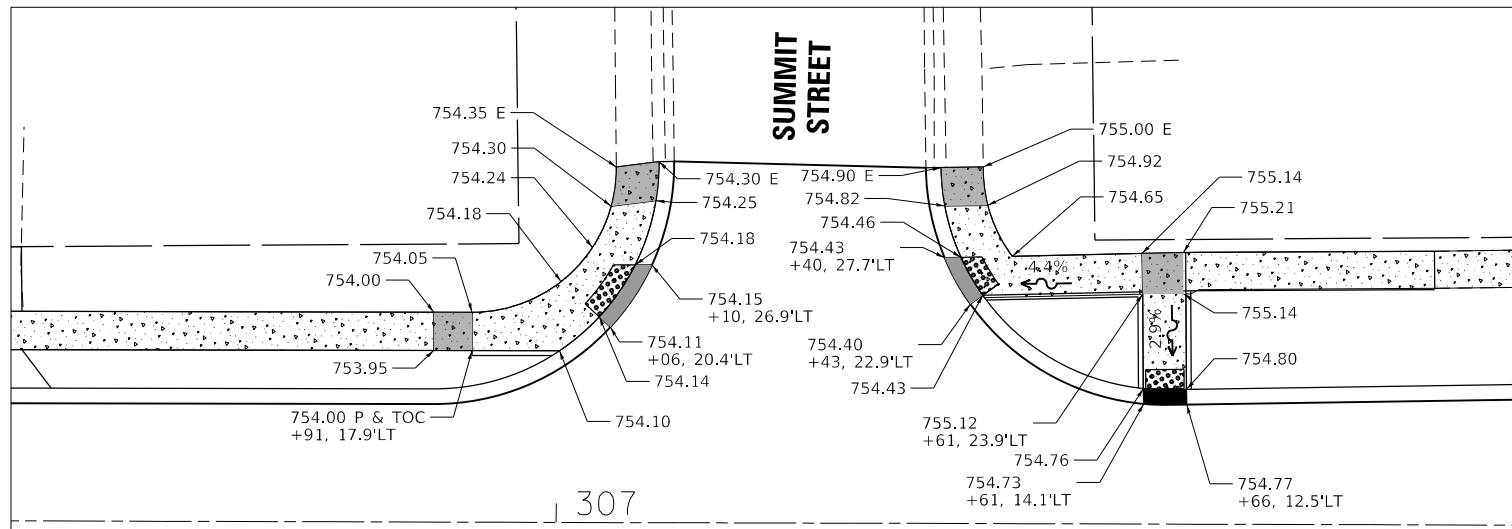


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PLOT DATE = 11/28/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: 1"=10'	SHEET 4	OF 7 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	67
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



- LEGEND**
- DETECTABLE WARNINGS
 - PROPOSED SIDEWALK
 - DEPRESSED CURB
 - SIDEWALK LANDING AREA
 - PROPOSED SIDE CURB
 - (X.X%) EXISTING ELEVATION/SLOPE

E & TOC = EXISTING SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
P & TOC = PROPOSED SIDEWALK SURFACE & FINISHED TOP OF CURB ELEVATION
E = EXISTING PAVEMENT SURFACE

HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
 FILE NAME: 17425-SW-DET-SURF-07.dgn
 PEN TABLE: PLOT LABEL.tbl



USER NAME = dstencz	DESIGNED - JS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: 1"=10' SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	68
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

Benchmarks:
 Benchmark 1:
 Arrow bolt on fire hydrant located in the northeast quadrant of Scott Street and Souwanas Trail, approximately 16.0 feet east of the centerline of Scott and 45.0 feet north of the centerline of Souwanas.
 Elevation = 755.58 (NAVD 88)

Benchmark 4:
 Burry bolt on fire hydrant located in the northeast quadrant of Winaki Trail and Souwanas Trail, approximately 29.0 feet east of the centerline of Winaki and 41.0 feet north of the centerline of Souwanas.
 Elevation = 734.03 (NAVD 88)

Existing structure shall be removed and replaced with a Three Sided Precast Structure.

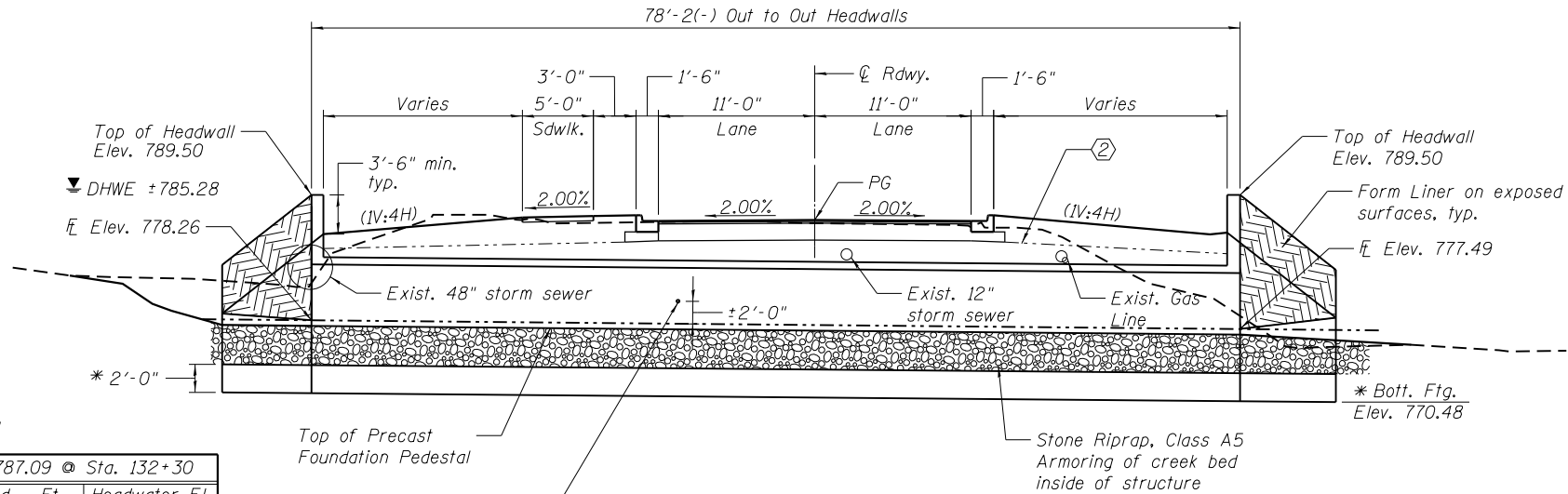
Road to be closed during construction.
 Traffic to be detoured.

Salvage: None

WATERWAY INFORMATION

Drainage Area = 1.33 sq. mi. Low Grade Elev. = 787.09 @ Sta. 132+30

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	30	385	12.6	46	785.28	3.2	-1.5	788.48	783.77
Base	100	417	12.6	46	785.41	3.1	-1.3	788.53	784.09
Overtopping	NA	NA	12.6	46	NA	NA	NA	NA	NA
Max. Calc.	100+	649	12.6	46	786.16	2.8	1.02	788.95	787.18



LONGITUDINAL SECTION

(Horizontal dimensions at Rt. L's to roadway)

*Slab, wall pedestal and footing thickness and shape may vary per manufacturer's design. Minimum clearances shown must be met.

UTILITY LEGEND

- (G)— Gas Main to be relocated
- (A)— Aerial to be relocated
- (S)— Storm Sewer to be removed
- CLSM Placement Area

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
 fy = 65,000 psi (WWF)

LOADING HL-93

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

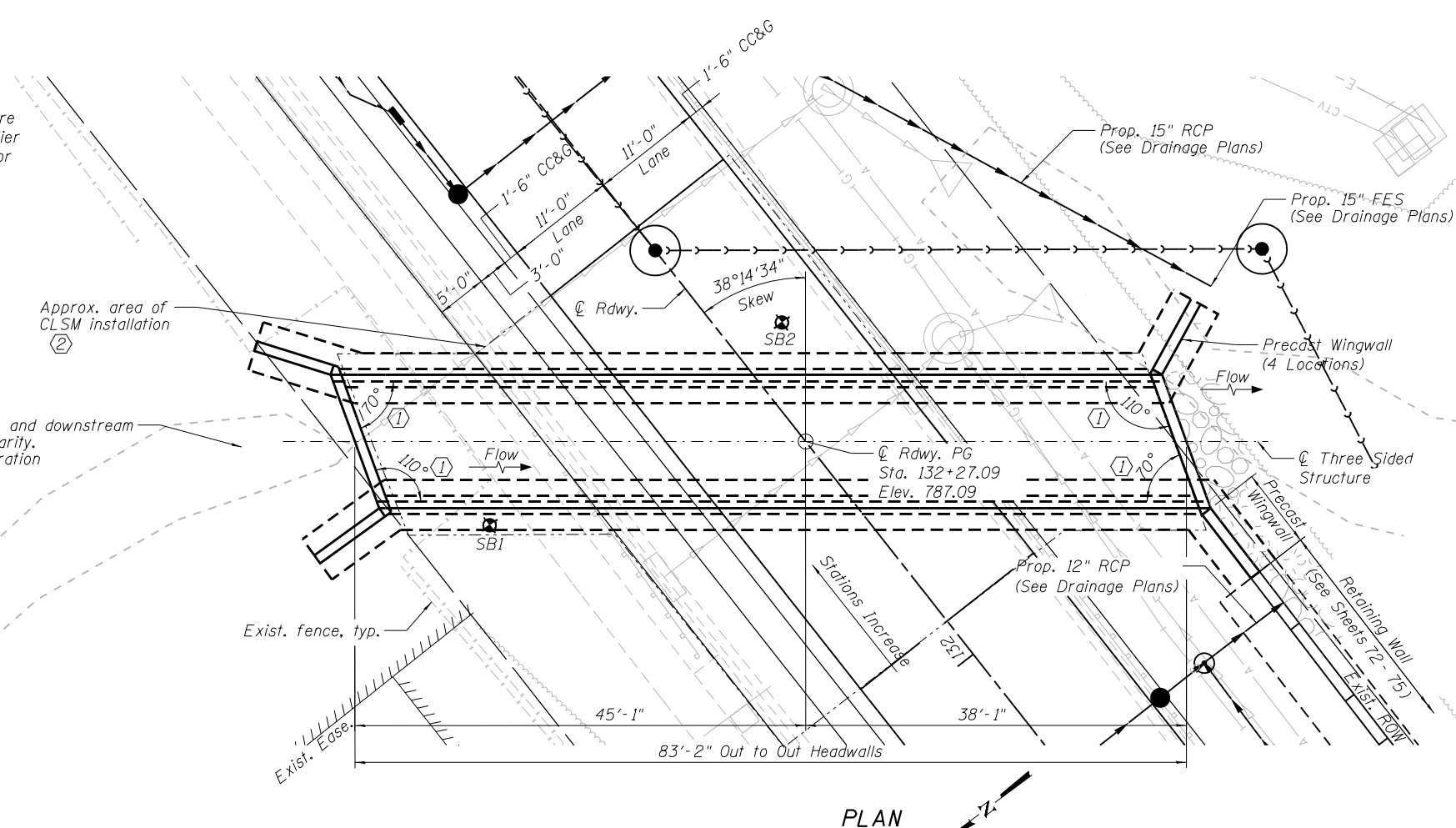
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.082
 Design Spectral Acceleration at 0.2 sec. (SDs) = 0.143
 Soil Site Class = D

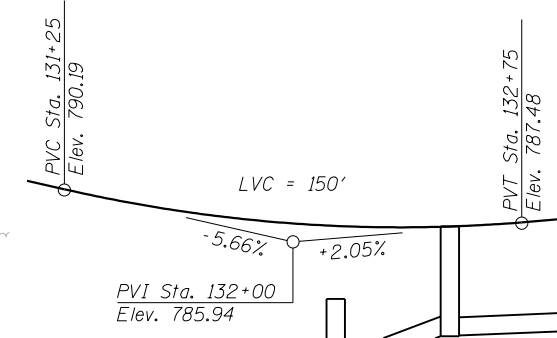
KEY NOTES

- ① Angle between Headwall and Three-Sided Structure wall provided for coordination with Precast Supplier and differs from Roadway and Structure Skew for ease of fabrication.
- ② Place up to 2' of CLSM between base of roadway section and top of structure. Gap placement where it will interfere with utility installations. Area includes length of structure and structure width, plus length and width of roadway patch from outside edge of sidewalk (left) to back of curb (right).

Creek Improvements (upstream and downstream of crossing) not shown for clarity. See Roadway Plans for Restoration Requirements.

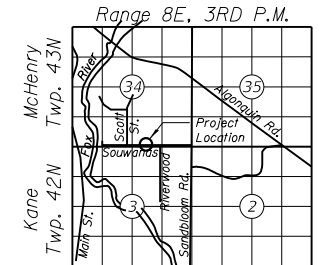


PLAN



PROFILE GRADE

(Along Centerline Roadway)



LOCATION SKETCH

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)			Item 113
	W. Abut.	E. Abut.	Item 113	
Q100	772.56	772.56		8
Q200	772.48	772.48		
Design	772.48	772.48		
Check	772.48	772.48		

GENERAL PLAN
SOUWANAS TRAIL OVER SOUWANAS CREEK
SECTION NO. 17-00092-00-PV
F.A.U. RTE. 4004
MCHENRY/KANE COUNTY
STA. 132+27.09

HRC PROJECT NO.: 17/25
 HRC PROJ. CONTACT:
 FILE NAME: 17/25-str_culvert.dwg
 PLOT DRIVER: il_dwf.dwg
 PEN TABLE: plotlabel.tbl



USER NAME = dstencz	DESIGNED - JMW	REVISED -
	CHECKED - AEU	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 11/28/2022	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE. 4004	SECTION 17-00092-00-PV	COUNTY MCHENRY	TOTAL SHEETS 123	SHEET NO. 69
			CONTRACT NO. 61H80	

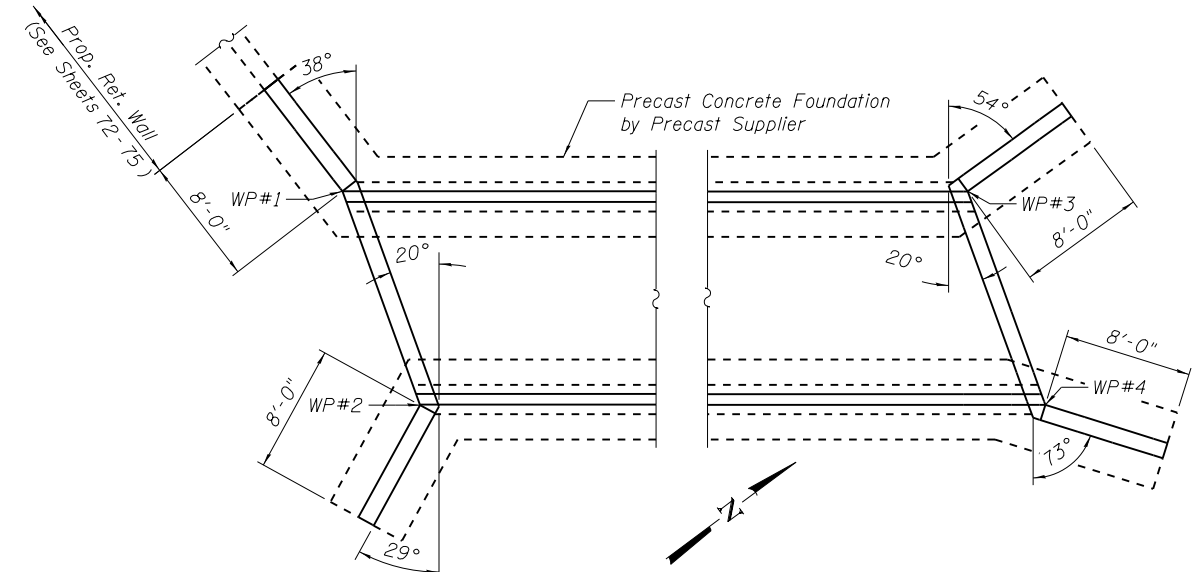
ILLINOIS FED. AID PROJECT

GENERAL NOTES

- Headwalls, wingwalls, and foundations (including footings and/or footing pedestals of Three-Sided Structure) shall be precast concrete and designed and furnished by the supplier of the Three-Sided Precast Structure (Special).
- Diversion and construction activities shall not be permitted to cause water levels upstream to rise more than 2'-0" above the Normal Pool, or above elevation 780.00 at the upstream face of the crossing.
- Stone Riprap quantity for the crossing location is limited to the structure width x (length + 10 ft). Quantity assumes equivalent of two layers of Class A5 stone sufficient to armor similar to typical foundation section.
- Soil Bearing Factored Resistance Available = 4,000 psf.
- CA-6 Beneath Rip Rap Armoring is required bedding stone per Section 281 of the SSRBC.
- All excavation and backfill material and labor required for the construction of the Three-Sided Structure, end sections and wingwalls shall be included in the unit price for Three Sided Precast Concrete Structures (Special) 12 Ft. unless otherwise noted.

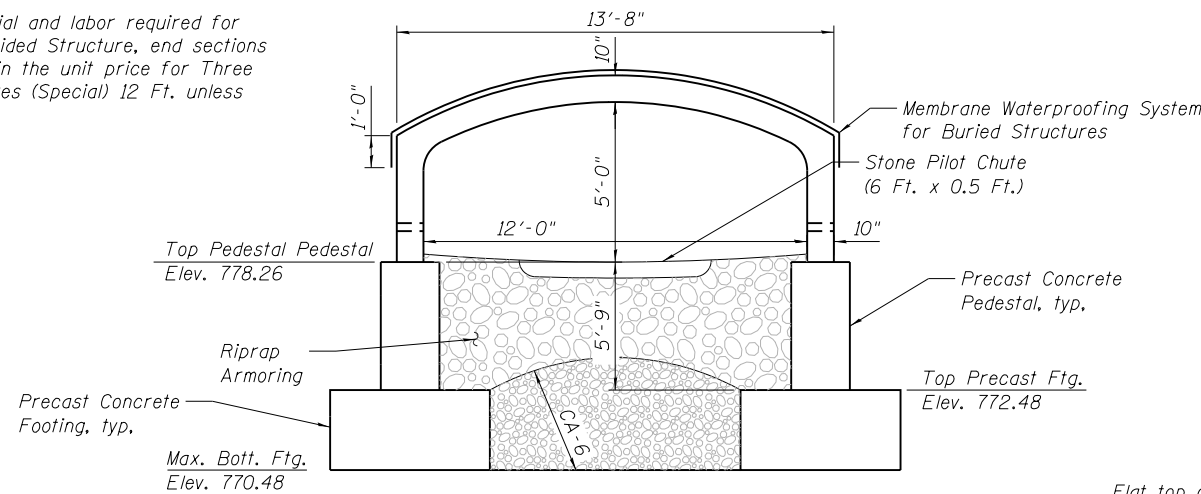
BILL OF MATERIALS

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material for Structures	Cu.Yd.	560
Three Sided Precast Concrete Structures (Special) 12' Ft	Foot	83
Stone Riprap, Class A5	Ton	210
Structure Excavation	Cu.Yd.	560
Form Liner Textured Surface	Sq. Ft.	722
Staining Concrete Structures	Sq. Ft.	722
Membrane Waterproofing System for Buried Structures	Sq. Yd.	144
Controlled Low-Strength Material	Cu. Yd.	240



WORK POINT LOCATIONS

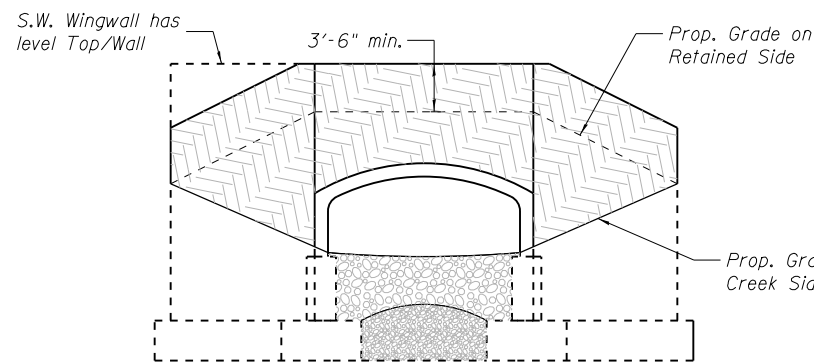
W.P.#	Station	Offset
1	131+96.76	27.69' RT
2	132+10.27	32.14' RT
3	132+48.24	37.64' LT
4	132+61.72	33.19' LT



SECTION THRU STRUCTURE

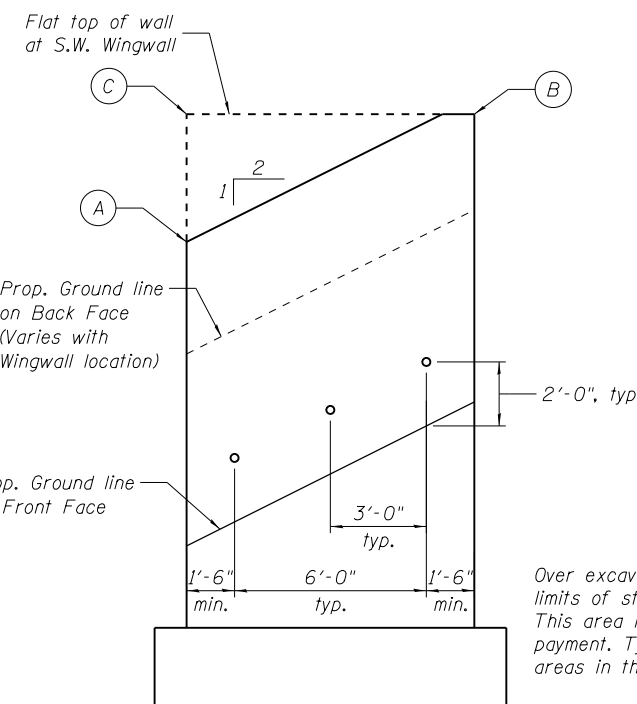
(At Rt L's to Structure)

*Slab, wall pedestal and footing thickness and shape may vary per manufacturer's design. Minimum clearances shown must be met.

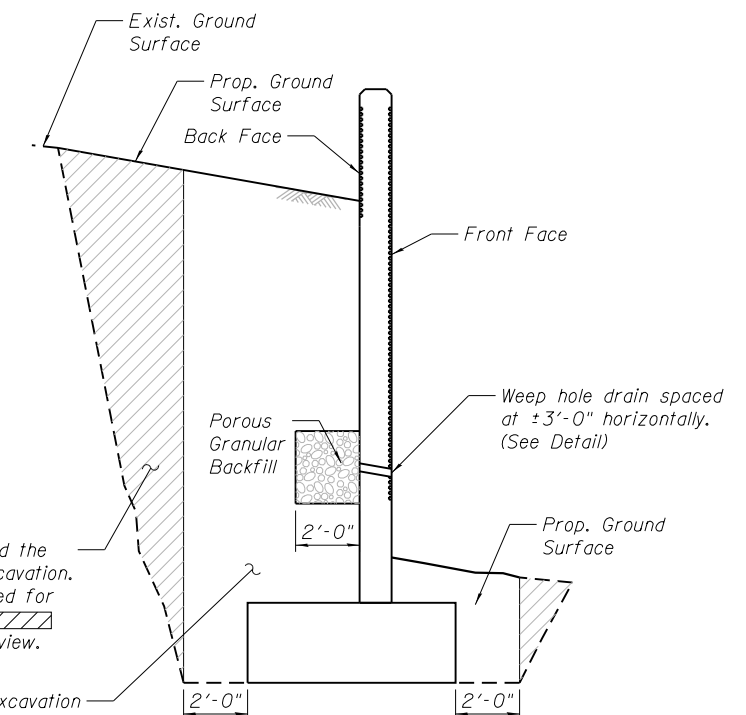


END SECTION ELEVATION

Typical, General Representation



WINGWALL DRAIN DETAILS



TOP OF WINGWALL ELEVATIONS

Wingwall Location	A	B	C
N.W.	785.50	789.50	—
N.E.	785.50	789.50	—
S.W.	—	789.50	789.50
S.E.	785.00	789.50	—

HRC PROJECT NO.: 171425
 HRC PROJ. CONTACT:
 FILE NAME: 171425-str_Culvert_GeneralNotes.dgn
 PLOT DRIVER: IL_Pdf.dwg, d1c1c1c1
 PEN TABLE: PLOT LABEL.tbl



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PLOT SCALE =	CHECKED - JMW	REVISED -
PLOT DATE = 11/28/2022	DRAWN - WJH	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**THREE-SIDED PRECAST CONCRETE STRUCTURE DETAILS
SOUWANAS TRAIL**

SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE. 4004	SECTION 17-00092-00-PV	COUNTY MCHENRY	TOTAL SHEETS 123	SHEET NO. 70
CONTRACT NO. 61H80			ILLINOIS FED. AID PROJECT	

MSET PROJECT NO.: 16600		LOG OF BORING NO. SB-1		Page 1 of 1				
PROJECT: Scott and Souwanas			SITE LOCATION: Algonquin, Illinois					
BORING LOCATION: (North Side of Roadway = U/S end of Crossing) See Location Map			CLIENT: Village of Algonquin					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS
				TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	
0		Black CLAY, A-6 Topsoil FILL some concrete debris	0.0	SS	1	20	18	
4		Black CLAY, A-6, Possible FILL trace wood pieces, trace fibers, some sand & gravel, hard	-3.0	SS	2	5	16	4.5 + Qp
8		Dark Grey Sandy Clay LOAM, A-2-4, medium dense	-5.5	SS	3	14	18	
8		Brown LOAM, A-6(5) very stiff	-8.0	SS	4	6	11	119.4 3.53
12		Grey Clay LOAM, A-6 very stiff to hard	-10.5	SS	5	13	11	109 3.76
16		Grey Sandy LOAM, A-2-4 medium dense, saturated	-15.5	SS	7	22	10	122 2.33
20		Grey Clay LOAM, A-6 hard	-18.0	SS	8	12	10	127 5.66
24		Sandy Loam seam at 19' Grey Clay LOAM, A-6, hard	-20.0	SS	9	25	10	119 4.97
28				SS	11	15	11	121 6.09
28				SS	12	15	11	122 5.24
End of Boring at 30 Feet			-29.5	SS	12	15	11	122 5.24

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: 15.5'
 IMMEDIATELY AFTER DRILLING: 23.5'
 DELAYED READING AFTER: 23.5'



BORING STARTED: 11/17/16
 BORING COMPLETED: 11/17/16
 LOGGED BY: GF
 BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 558 Plate Drive Unit 6, East Dundee, IL 60118 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 16600		LOG OF BORING NO. SB-2		Page 1 of 1				
PROJECT: Scott and Souwanas			SITE LOCATION: Algonquin, Illinois					
BORING LOCATION: (South Side of Roadway = U/S end of Crossing) See Location Map			CLIENT: Village of Algonquin					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS
				TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	
0		Pavement Materials 18"	0.0	SS	1A	4	11	
0		Dark Grey Sandy Clay LOAM, A-2-4 FILL	-1.0					
4		Brown SAND, little Gravel, A-1-b FILL slightly dense	-1.5	SS	1B	7	6	
4		Black CLAY, A-7-6 very stiff	-3.0	SS	2	4	21	98 2.91
8		Grey Sandy Clay LOAM, A-2-4 loose	-5.5	SS	3	3	16	
8		Sand seam at 7.0'						
8		Red Brown LOAM, A-6 stiff	-8.0	SS	4	7	12	123 1.40
12		Grey Clay LOAM, A-6, little Gravel, very stiff to hard	-10.5	SS	5	13	11	110 3.10
16				SS	6	17	10	119 3.38
16		Grey Sandy LOAM, A-6, little Gravel, hard to very hard	-20.0	SS	7	23	11	108 4.00
20				SS	8	20	11	125 5.82
24				SS	9	22	9	108 4.04
28				SS	10	19	10	126 9.43
28				SS	11	22	11	110 5.04
28				SS	12	18	9	127 6.52
End of Boring at 30 Feet			-29.5	SS	12	18	9	127 6.52

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: 7.0'
 IMMEDIATELY AFTER DRILLING: 26.0'
 DELAYED READING AFTER: 26.0'



BORING STARTED: 11/17/16
 BORING COMPLETED: 11/17/16
 LOGGED BY: GF
 BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 558 Plate Drive Unit 6, East Dundee, IL 60118 (847) 844-1895 f(847) 844-3875

HRG PROJECT NO.: 171425
 HRG PROJ. CONTACT:
 FILE NAME: 171425-str_Culvert_Blog.dgn
 PLOT DRIVER: IL_Pdf.dwg,plc,ctb
 PEN TABLE: plottab.tbl



USER NAME: dstencz	DESIGNED: JMW	REVISED:
PLOT SCALE:	CHECKED: JMW	REVISED:
PLOT DATE: 11/28/2022	DRAWN: WJH	REVISED:
	CHECKED: AEU	REVISED:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 SOUWANAS TRAIL

SHEET NO. 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4004	17-00092-00-PV	MCHENRY	123	71
CONTRACT NO. 61H80				

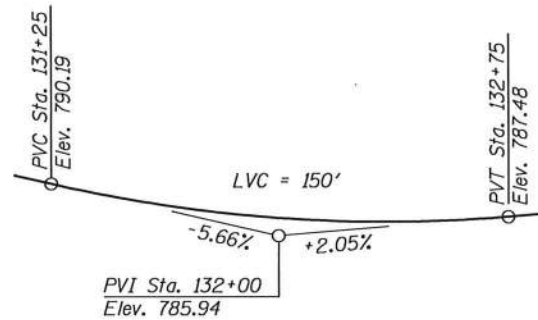
ILLINOIS FED. AID PROJECT

Benchmarks:
Benchmark 1:
 Arrow bolt on fire hydrant located in the northeast quadrant of Scott Street and Souwanas Trail, approximately 16.0 feet east of the centerline of Scott and 45.0 feet north of the centerline of Souwanas.
 Elevation = 755.58 (NAVD 88)

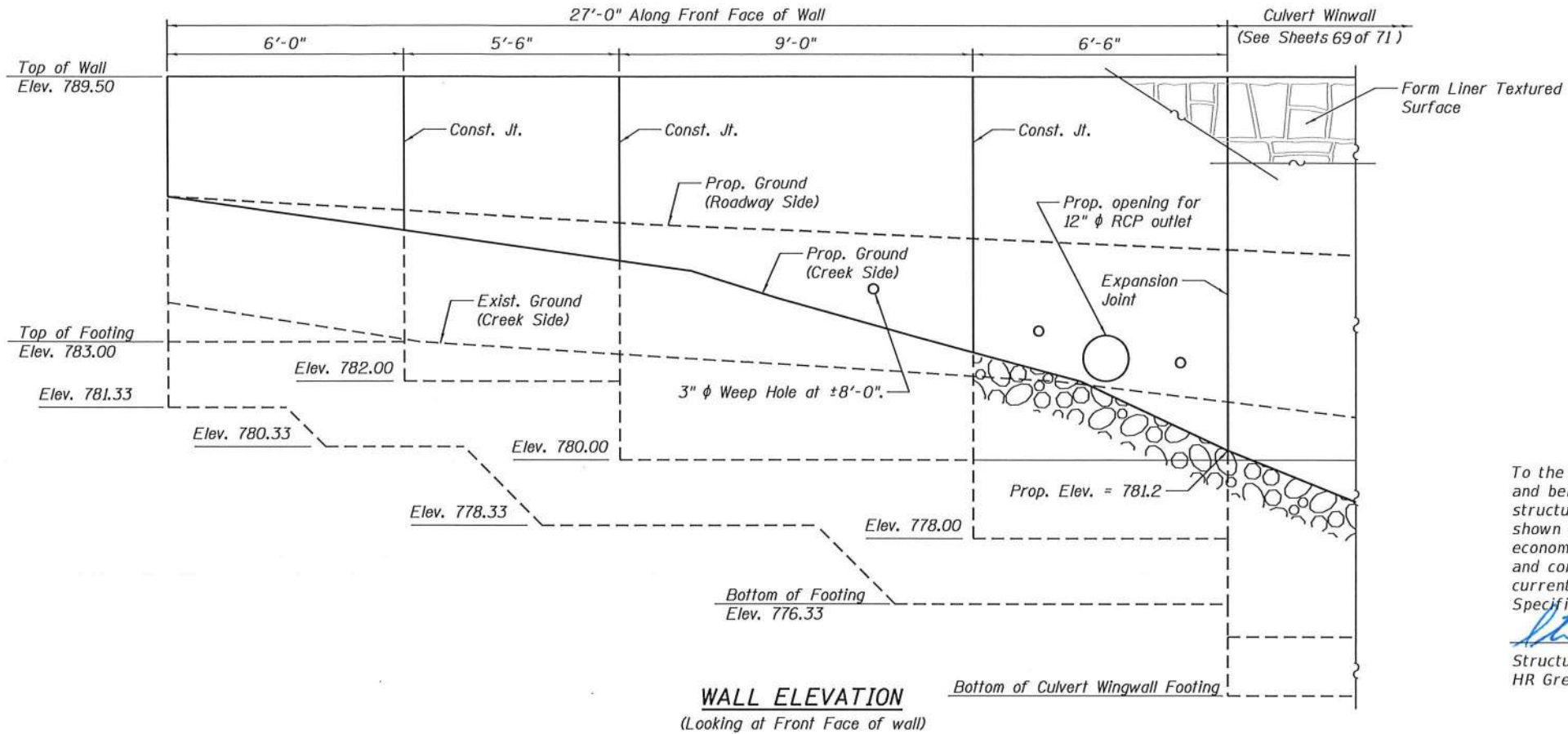
Benchmark 4:
 Burry bolt on fire hydrant located in the northeast quadrant of Winaki trail and Souwanas Trail, approximately 29.0 feet east of the centerline of Winaki and 41.0 feet north of the centerline of Souwanas.
 Elevation = 734.03

UTILITY LEGEND

- G— Gas Main to be relocated
- A— Aerial to be relocated
- S— Storm Sewer to be Removed



PROFILE GRADE
 (Along Centerline of Roadway)



WALL ELEVATION
 (Looking at Front Face of wall)

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Retaining Wall Details
4. Boring Log

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition.

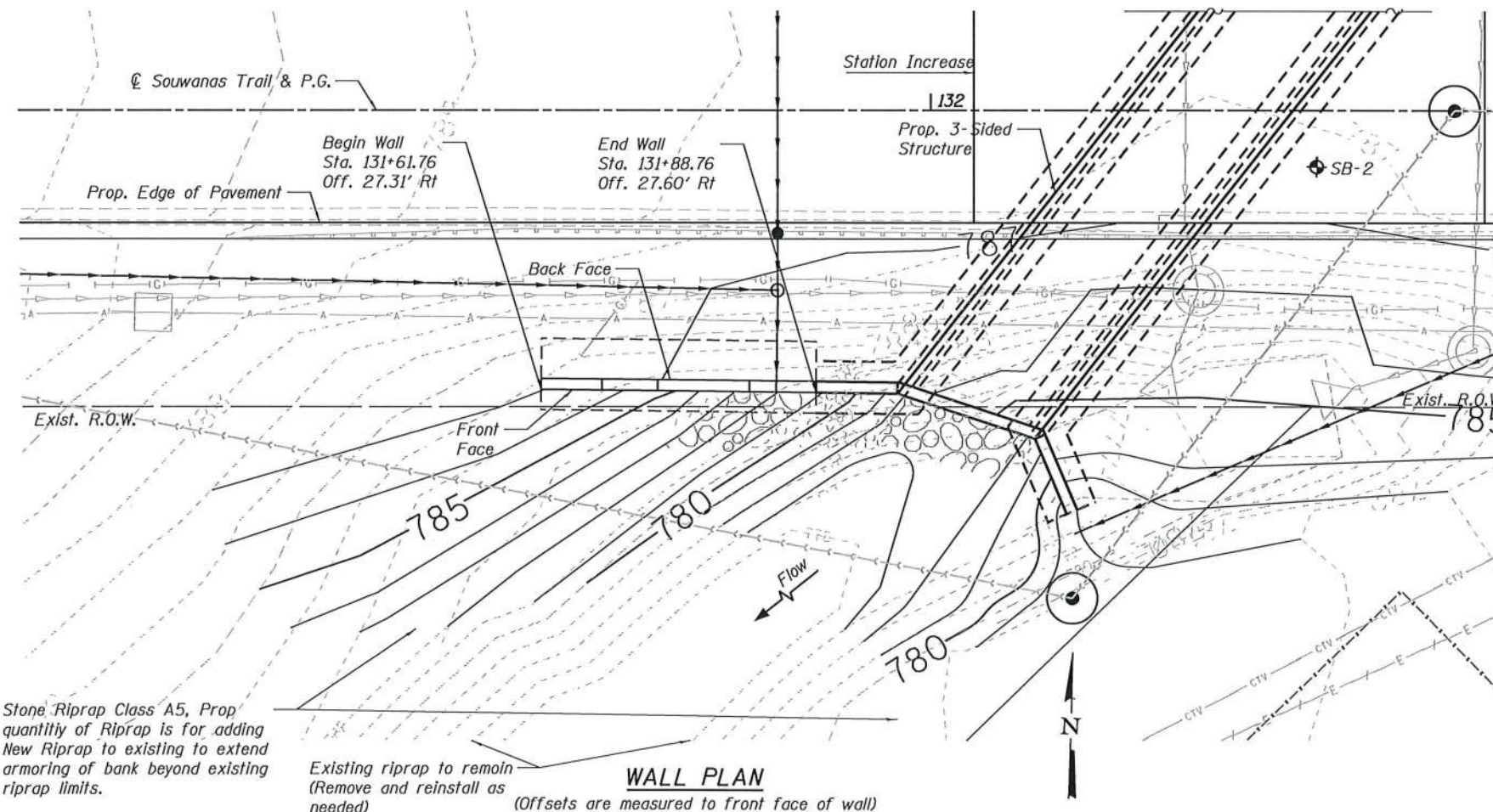
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

To the best of my knowledge, information and belief, this retaining wall 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".

[Signature]
 Structural Engineer Expires: 11/30/2024
 HR Green, Inc.



WALL PLAN

Stone Riprap Class A5, Prop quantity of Riprap is for adding New Riprap to existing to extend armoring of bank beyond existing riprap limits.

Existing riprap to remain (Remove and reinstall as needed)

(Offsets are measured to front face of wall)



GENERAL PLAN AND ELEVATION
SOUWANAS TRAIL RETAINING WALL B
SECTION NO. 17-00092-00-PV
F.A.U. RTE 4004
MCHENRY COUNTY
STA. 131+61.77 TO STA. 131+88.77

IRG PROJECT NO.: 17425
 IRG PROJ CONTACT: [Name]
 IRG PROJ DRIVER: [Name]
 IRG PROJ PLOT DATE: 11/28/2022
 IRG PROJ PLOT SCALE: 1/8"=1'-0"
 IRG PROJ PLOT TABLE: PLOT LABEL.FBI



USER NAME = dstoncz	DESIGNED - SLS	REVISIONS
PLOT SCALE =	CHECKED - JMW	REVISIONS
PLOT DATE = 11/28/2022	DRAWN - WJH	REVISIONS
	CHECKED - AEJ	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4004	17-00092-00-PV	MCHENRY	123	72

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective Coat shall be applied to the top face and the front face (full height) of the wall over its entire length. Product shall be compatible with color staining product and UV protection and shall be included in the unit price for Staining Concrete Structures.

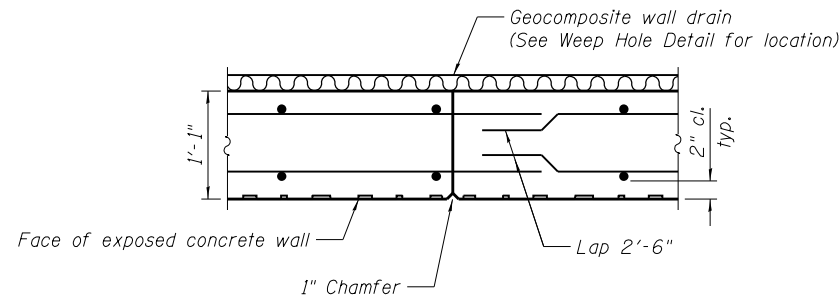
3. FORM LINER TEXTURED SURFACE

A form liner pattern (below the 4" coping) shall be applied to the walls, which shall conform to the Special Provisions for Form Liner Textured Surface.

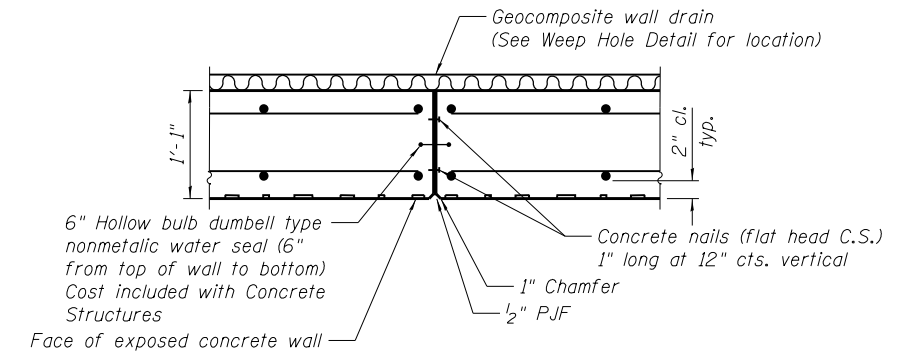
The top surface of the 4" coping shall be finished with a roughened texture, to simulate natural stone.

4. COLORATION

All areas receiving Form Liner Textured Surface shall receive concrete stain, including coping on top of the retaining walls, duplicate the effect of a random stone wall with individual stones of various colors. See Special Provisions, Staining Concrete Structures, for coloring and staining criteria.

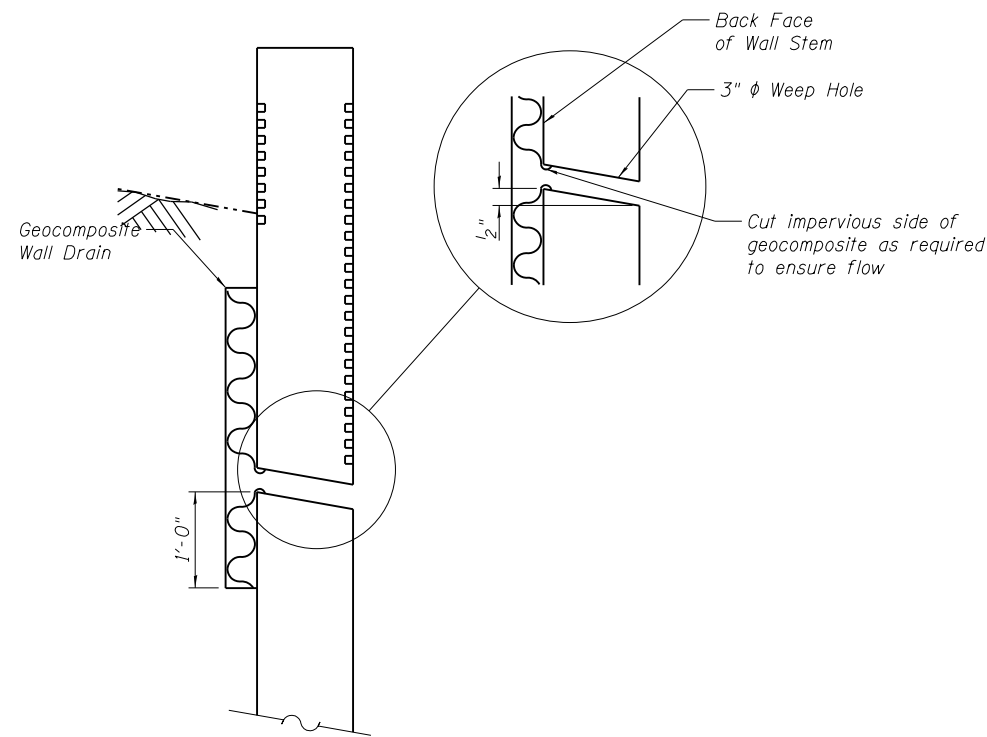


CONSTRUCTION JOINT DETAIL

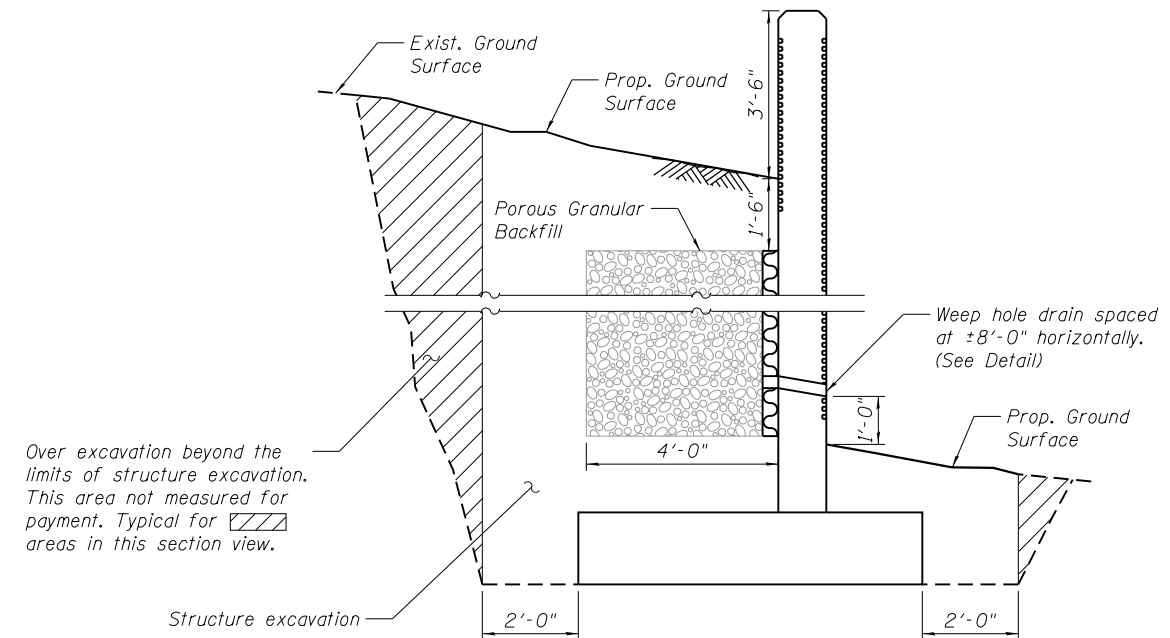


EXPANSION JOINT

Cost included with Concrete Structures



WEEP HOLE DRAIN DETAIL



T-TYPE WALL DRAINAGE DETAILS

HRC PROJECT NO.: 171425
 HRC PROJ. CONTACT:
 FILE NAME: 171425-str_Ret-wall/GeneralNotes.dgn
 PLOT DRIVER: IL_Pdf.dwg, Pdfcfg
 PEN TABLE: PLOT LABEL.tbl


 HRGreen.com
 ■ Multi Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED - SLS	REVISED -
	CHECKED - JMW	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 11/28/2022	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
SOUWANAS TRAIL RETAINING WALL B**

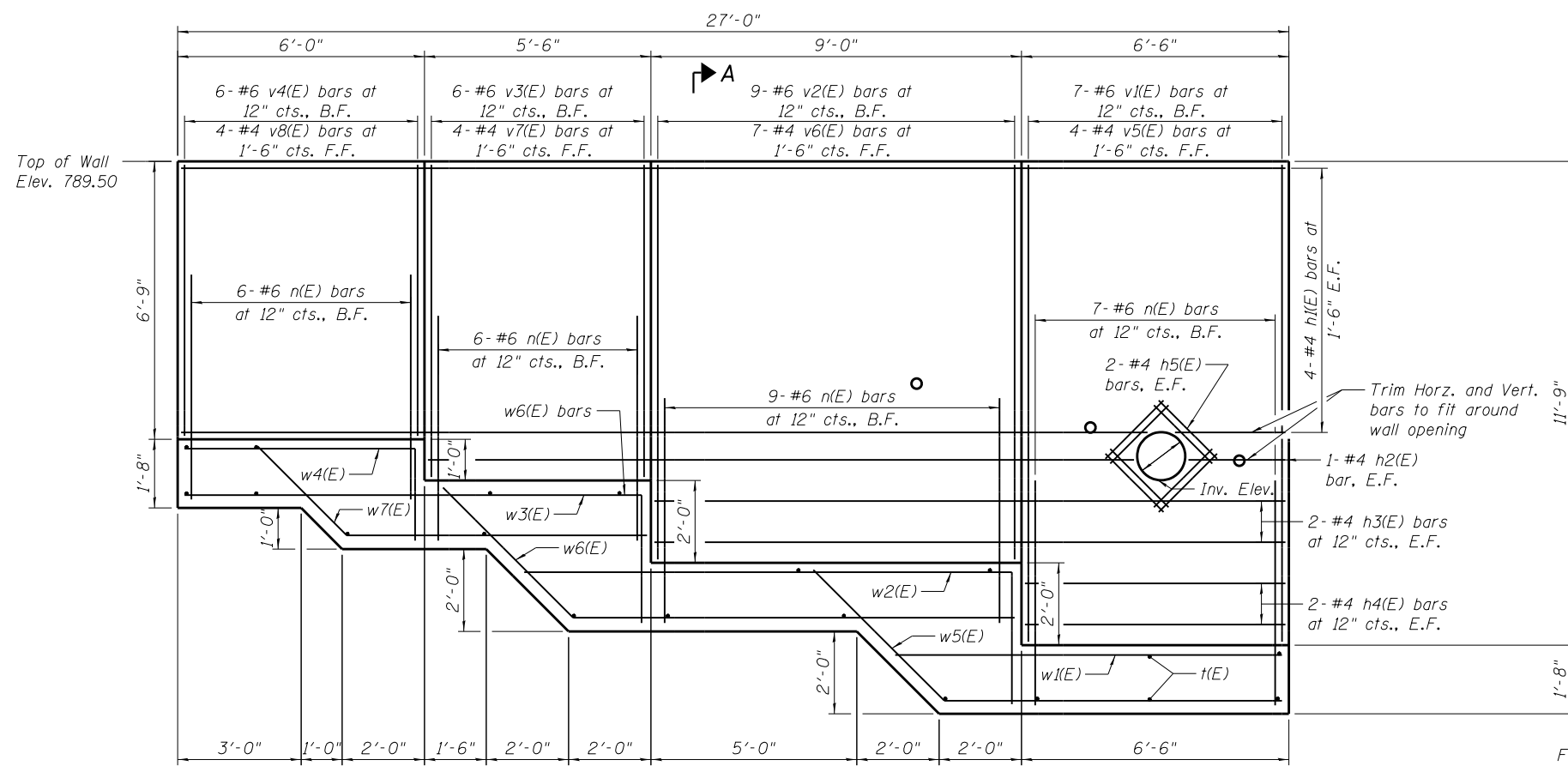
SHEET NO. 2 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4004	17-00092-00-PV	MCHENRY	123	73
CONTRACT NO. 61H80				

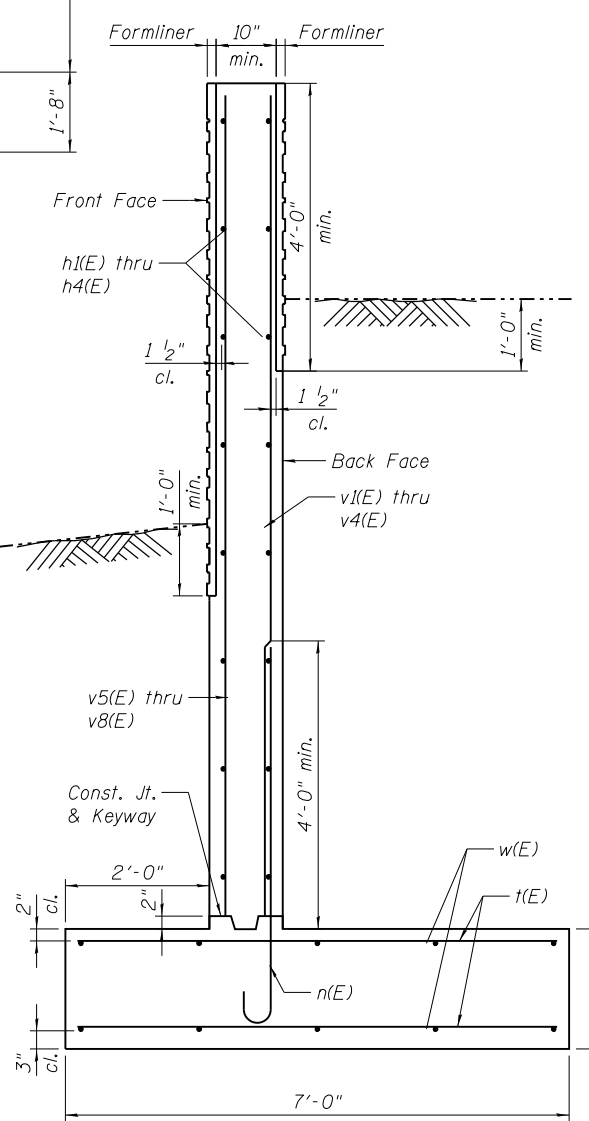
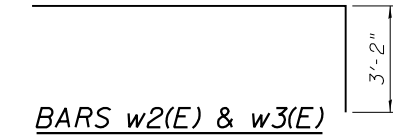
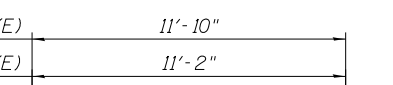
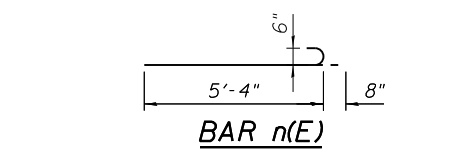
ILLINOIS FED. AID PROJECT

BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h1(E)	8	#4	26'-8"	—
h2(E)	2	#4	20'-8"	—
h3(E)	4	#4	15'-2"	—
h4(E)	4	#4	6'-2"	—
h5(E)	16	#4	2'-0"	—
n(E)	28	#6	6'-0"	—
l(E)	56	#6	6'-8"	—
v1(E)	7	#6	11'-5"	—
v2(E)	9	#6	9'-5"	—
v3(E)	6	#6	7'-5"	—
v4(E)	6	#6	6'-5"	—
v5(E)	4	#4	11'-5"	—
v6(E)	7	#4	9'-5"	—
v7(E)	4	#4	7'-5"	—
v8(E)	4	#4	6'-5"	—
w1(E)	5	#5	9'-6"	—
w2(E)	5	#5	15'-0"	—
w3(E)	5	#5	14'-4"	—
w4(E)	5	#5	7'-10"	—
w5(E)	5	#5	12'-8"	—
w6(E)	5	#5	15'-3"	—
w7(E)	5	#5	10'-3"	—
Concrete Structures			Cu. Yd.	25.3
Reinforcement Bars, Epoxy Coated			Pound	1,990
Porous Granular Backfill			Cu. Yd.	3
Structure Excavation			Cu. Yd.	83
Form Liner Textured Surface			Sq. Ft.	284
Geocomposite Wall Drain			Sq. Yd.	2
Stone Riprap, Class A5			Tons	38
Staining Concrete Structures			Sq. Ft.	284
Removal and Disposal of Unsuitable Material for Structures			Cu. Yd.	83

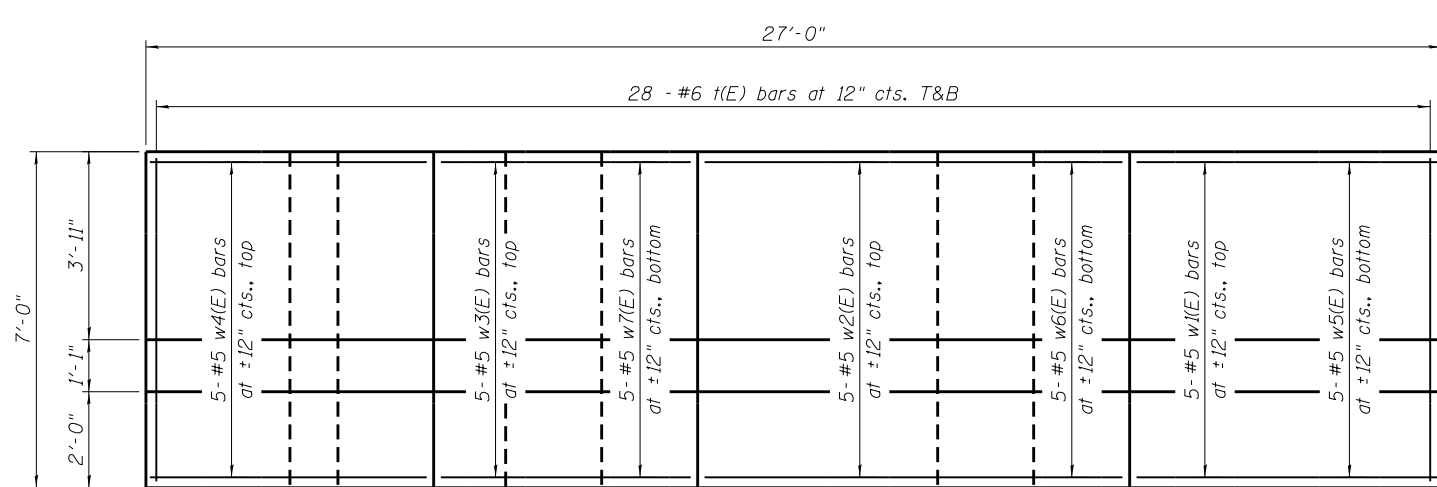


ELEVATION

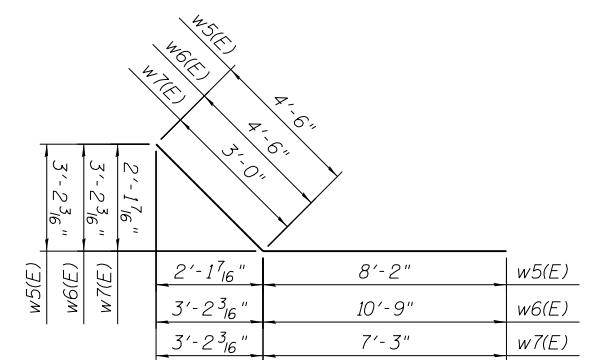


SECTION A-A

Clear Cover for reinforcement in formliner areas is measured from reveal depth & does not include formliner thickness.



FOOTING PLAN



BARS w5(E), w6(E), w7(E)

HRG PROJECT NO.: 171425
 HRG PROJ. CONTACT:
 FILE NAME: 171425-str_Ret-wall/Details.dgn
 PLOT DRIVER: IL_Pdf.dwg, Plotter:
 PEN TABLE: plotlabel.tbl



USER NAME = dstencz	DESIGNED - SLS	REVISED -
PLOT SCALE =	CHECKED - JMW	REVISED -
PLOT DATE = 11/28/2022	DRAWN - WJH	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL DETAILS
 SOUWANAN TRAIL RETAINING WALL B**

SHEET NO. 3 OF 4 SHEETS

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4004	17-00092-00-PV	MCHENRY	123	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

MSET PROJECT NO.: 16600		LOG OF BORING NO. SB-2			Page 1 of 1				
PROJECT: Scott and Souwanas				SITE LOCATION: Algonquin, Illinois					
BORING LOCATION: (South Side of Roadway = U/S end of Crossing) See Location Map				CLIENT: Village of Algonquin					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS	
				TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc%		Dry Unit Weight, pcf
0		Pavement Materials 18" Roadway Elev = 787.00	0.0	SS	1A	4	11		
		Dark Grey Sandy Clay LOAM, A-2-4 FILL	-1.0						
		Brown SAND, little Gravel, A-1-b FILL slightly dense	-1.5		1B	7	6		
		Black CLAY, A-7-6 very stiff	-3.0						
4		Black CLAY, A-7-6 very stiff		SS	2	4	21	98	2.91
		Grey Sandy Clay LOAM, A-2-4 loose	-5.5						
		Sand seam at 7.0' Elev = 779.00		SS	3	3	16		
8		Red Brown LOAM, A-6 stiff Creek Flow Line (Avg. Elev.)	-8.0						
		Red Brown LOAM, A-6 stiff		SS	4	7	12	123	1.40
		Grey Clay LOAM, A-6, little Gravel, very stiff to hard	-10.5						
12		Grey Clay LOAM, A-6, little Gravel, very stiff to hard		SS	5	13	11	110	3.10
		Top of Fig. Elev. = 773.44							
		Grey Clay LOAM, A-6, little Gravel, very stiff to hard		SS	6	17	10	119	3.38
		Bott. of Fig. Elev. = 770.94							
16		Grey Clay LOAM, A-6, little Gravel, very stiff to hard		SS	7	23	11	108	4.00
		Grey Clay LOAM, A-6, little Gravel, very stiff to hard		SS	8	20	11	125	5.82
20		Grey Sandy LOAM, A-6, little Gravel, hard to very hard	-20.0						
		Grey Sandy LOAM, A-6, little Gravel, hard to very hard		SS	9	22	9	108	4.04
24		Grey Sandy LOAM, A-6, little Gravel, hard to very hard		SS	10	19	10	126	9.43
		Grey Sandy LOAM, A-6, little Gravel, hard to very hard		SS	11	22	11	110	5.04
28		Grey Sandy LOAM, A-6, little Gravel, hard to very hard		SS	12	18	9	127	6.52
		End of Boring at 30 Feet	-29.5						

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: 7.0'
 IMMEDIATELY AFTER DRILLING: 26.0'
 DELAYED READING AFTER



BORING STARTED: 11/17/16
 BORING COMPLETED: 11/17/16
 LOGGED BY: GF
 BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 558 Plate Drive Unit 6, East Dundee, IL 60118 (847) 844-1895 f(847) 844-3875

HRC PROJECT NO.: 171425
 HRC PROJ. CONTACT:
 FILE NAME: 171425-str_Ret-wall/Blog.dgn
 PLOT DRIVER: IL_Pdf.dwg.plt
 PEN TABLE: plotlabel.tbl



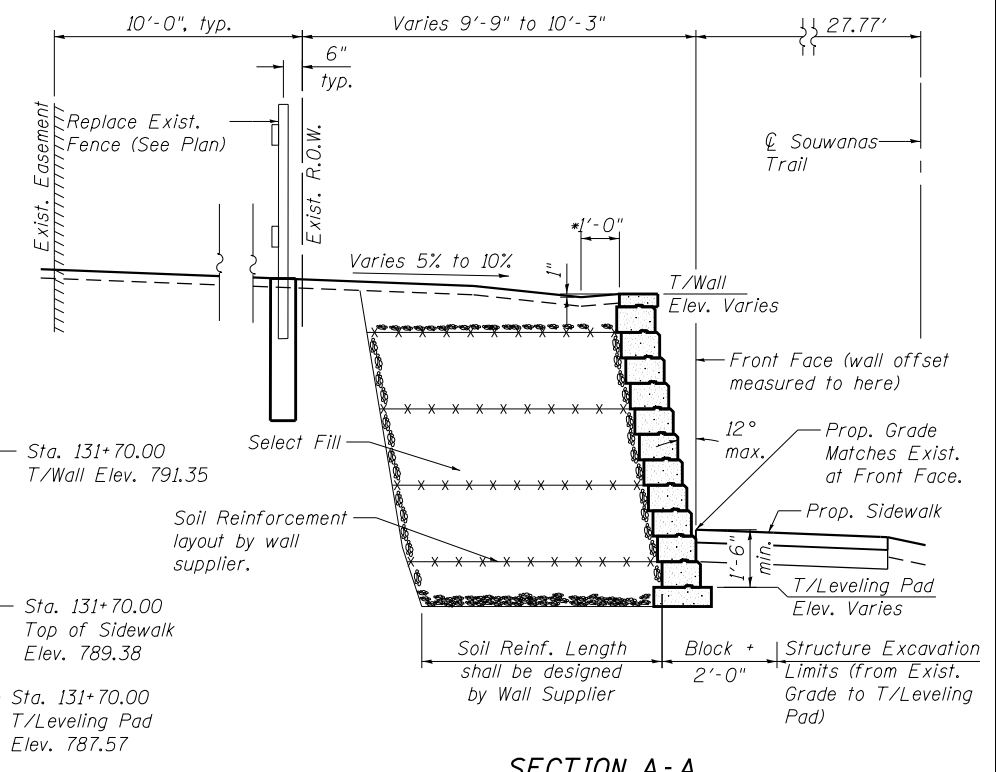
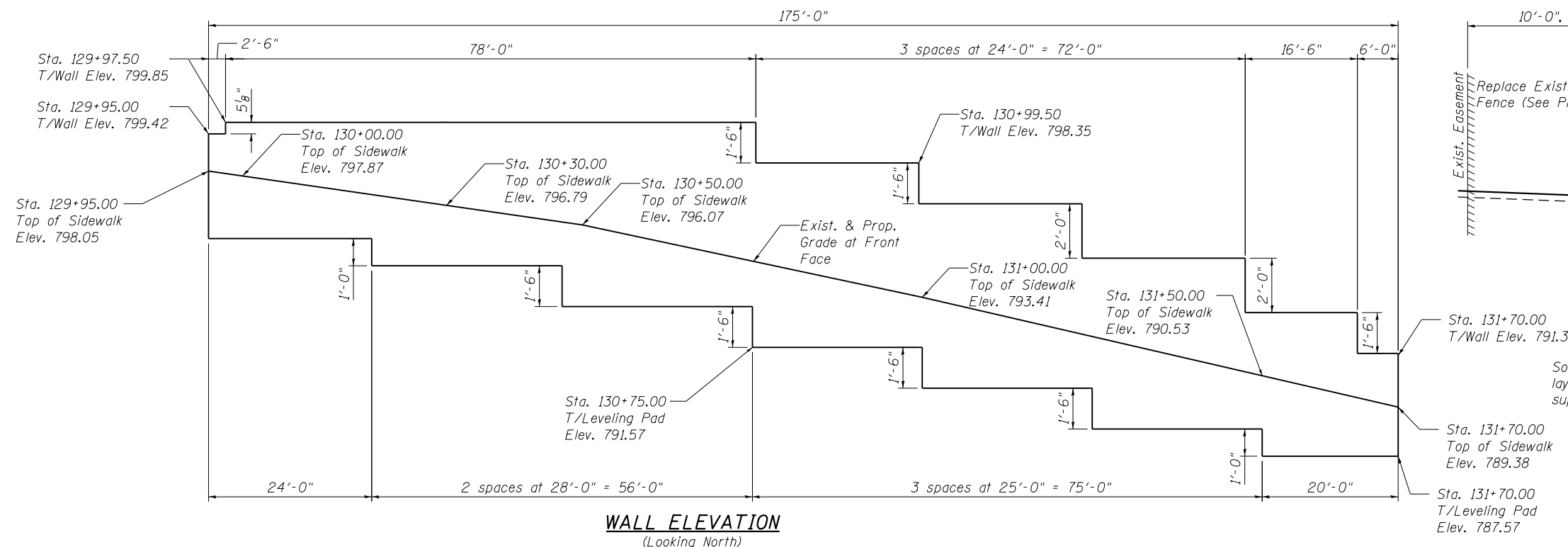
USER NAME = dstencz	DESIGNED - SLS	REVISED -
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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 11/28/2022	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 SOUWANAS TRAIL RETAINING WALL B

SHEET NO. 4 OF 4 SHEETS

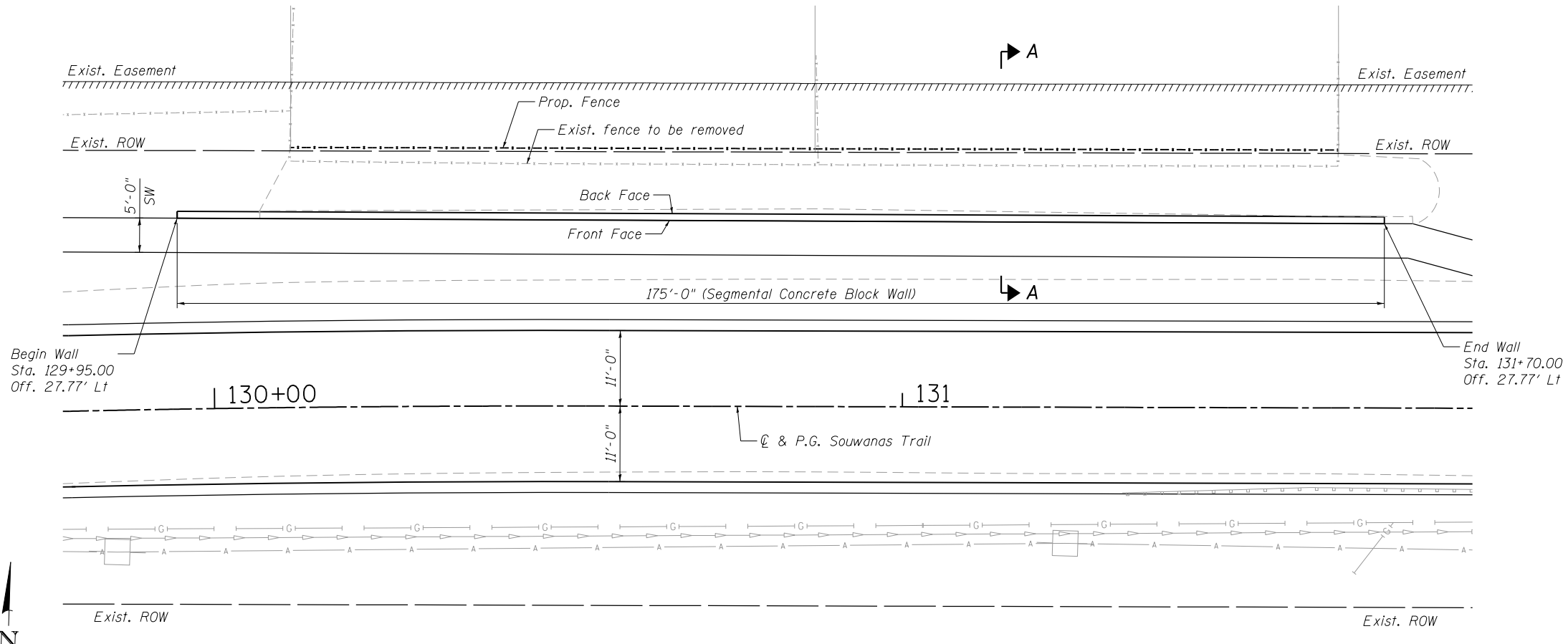
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4004	17-00092-00-PV	MCHENRY	123	75
CONTRACT NO. 61H80			ILLINOIS FED. AID PROJECT	



SECTION A-A

* = Drainage Swale shall be 2' wide with 10% side slopes

Wall Supplier/Designer is Responsible for Design of Wall Drainage (either weep holes or a sub-drain that connects to nearby storm man-holes)



PLAN

Wall offset measured from \odot roadway to Front Face of wall as defined in Typical Section.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material for Structures	Cu.Yd.	43.8
Structure Excavation	Cu. Yd.	43.8
Segmental Concrete Block Wall	Sq. Ft.	1,190

**GENERAL PLAN AND ELEVATION
SOUWANAS TRAIL RETAINING WALL A
SECTION NO. 17-00092-00-PV
F.A.U. RTE 4004
MCHENRY COUNTY
STATON 129+95 TO 131+70**

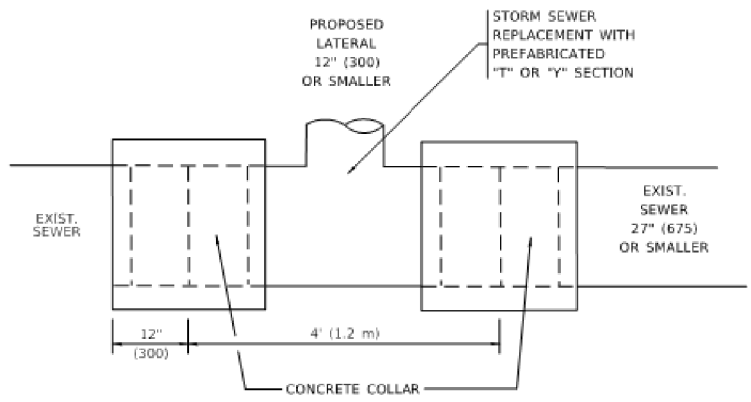
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HRGreen.com
 Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED - JMW	REVISED -
	CHECKED - AEU	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 11/28/2022	CHECKED - AEU	REVISED -

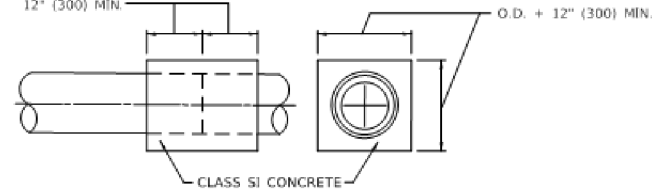
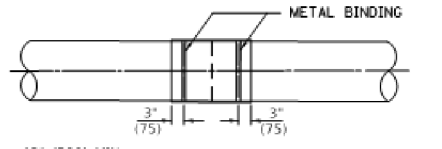
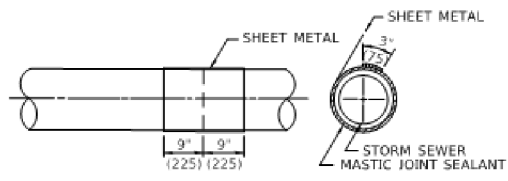
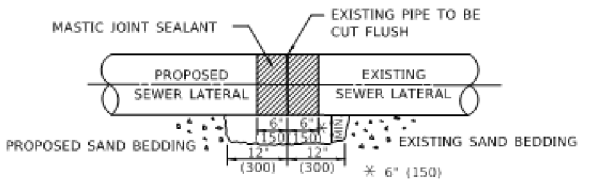
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4004	17-00092-00-PV	MCHENRY	123	76
CONTRACT NO.			61H80	



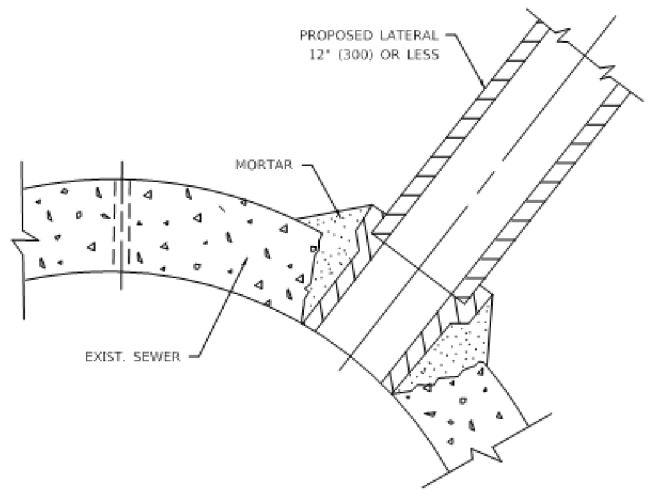
DETAIL "A"

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



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

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

CONSTRUCTION SEQUENCE

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

BASIS OF PAYMENT

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

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

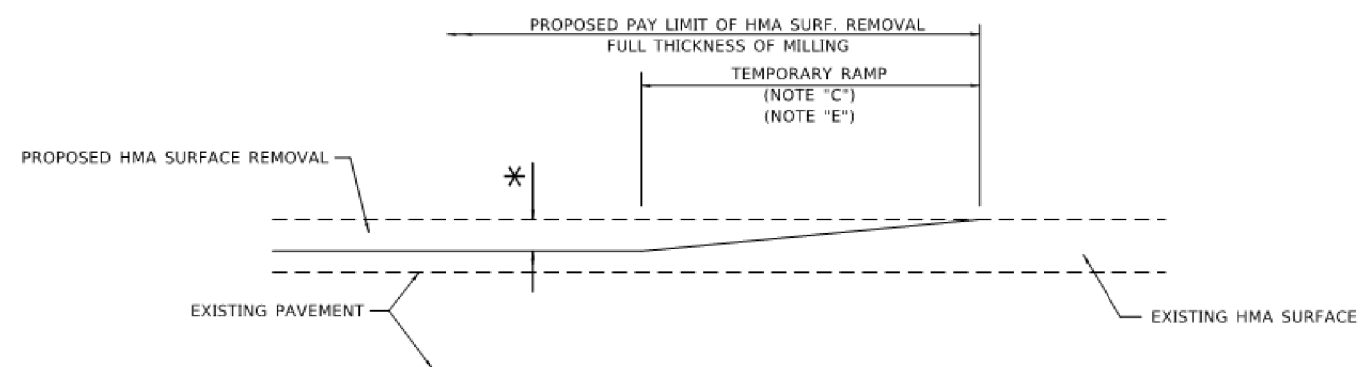
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USER NAME - Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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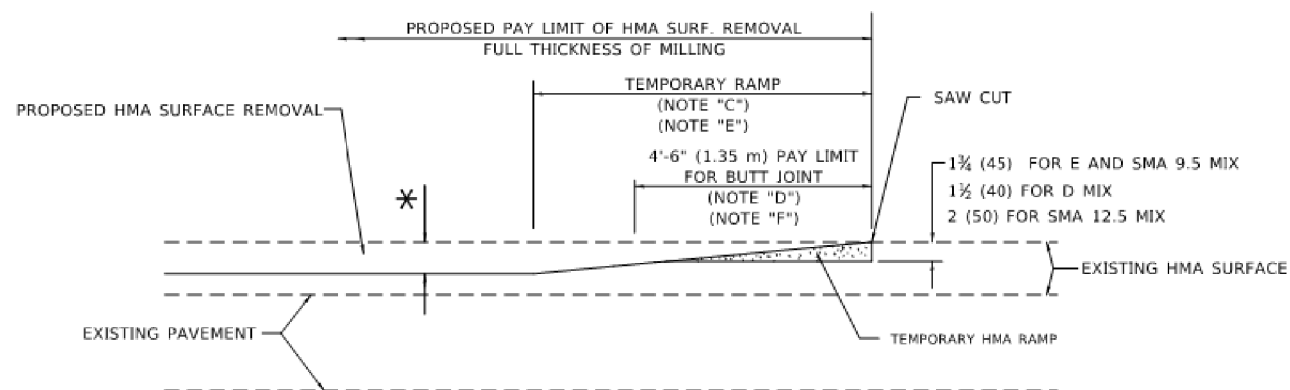
F A U R T E .	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	77
BD500-01 (BD-07)		CONTRACT NO. 61H80		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

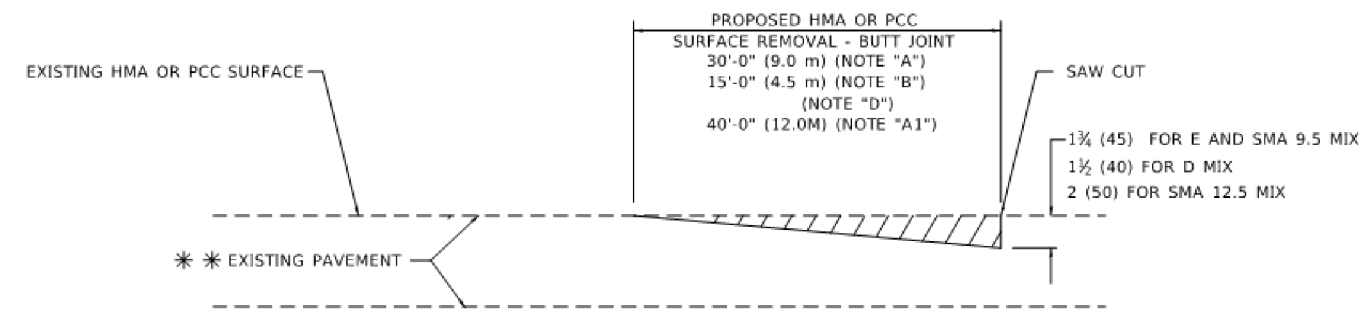


HMA CONSTRUCTED TEMPORARY RAMP

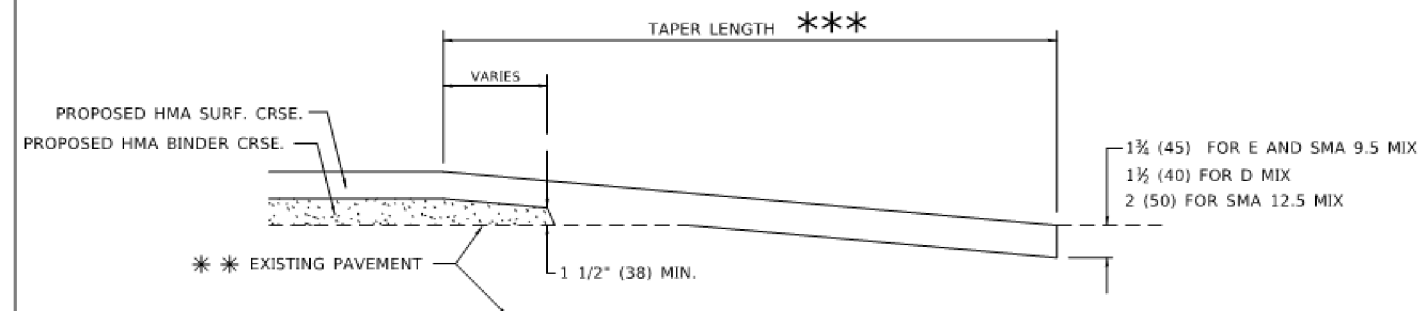
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

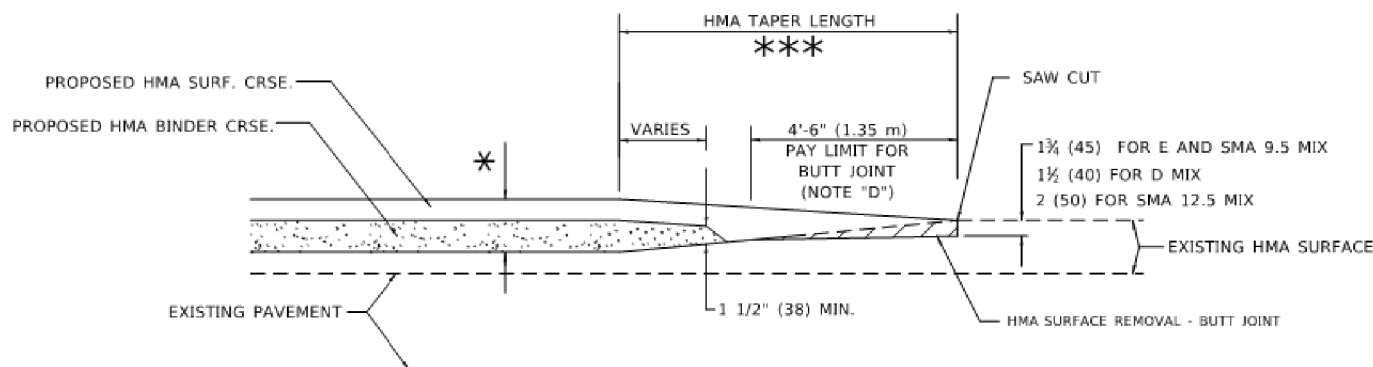
GENERAL NOTES

- 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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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PROJECT CONTACT: *PROJECT CONTACT*
DATE PLOTTED: 12/18/2022 12:02:02 PM
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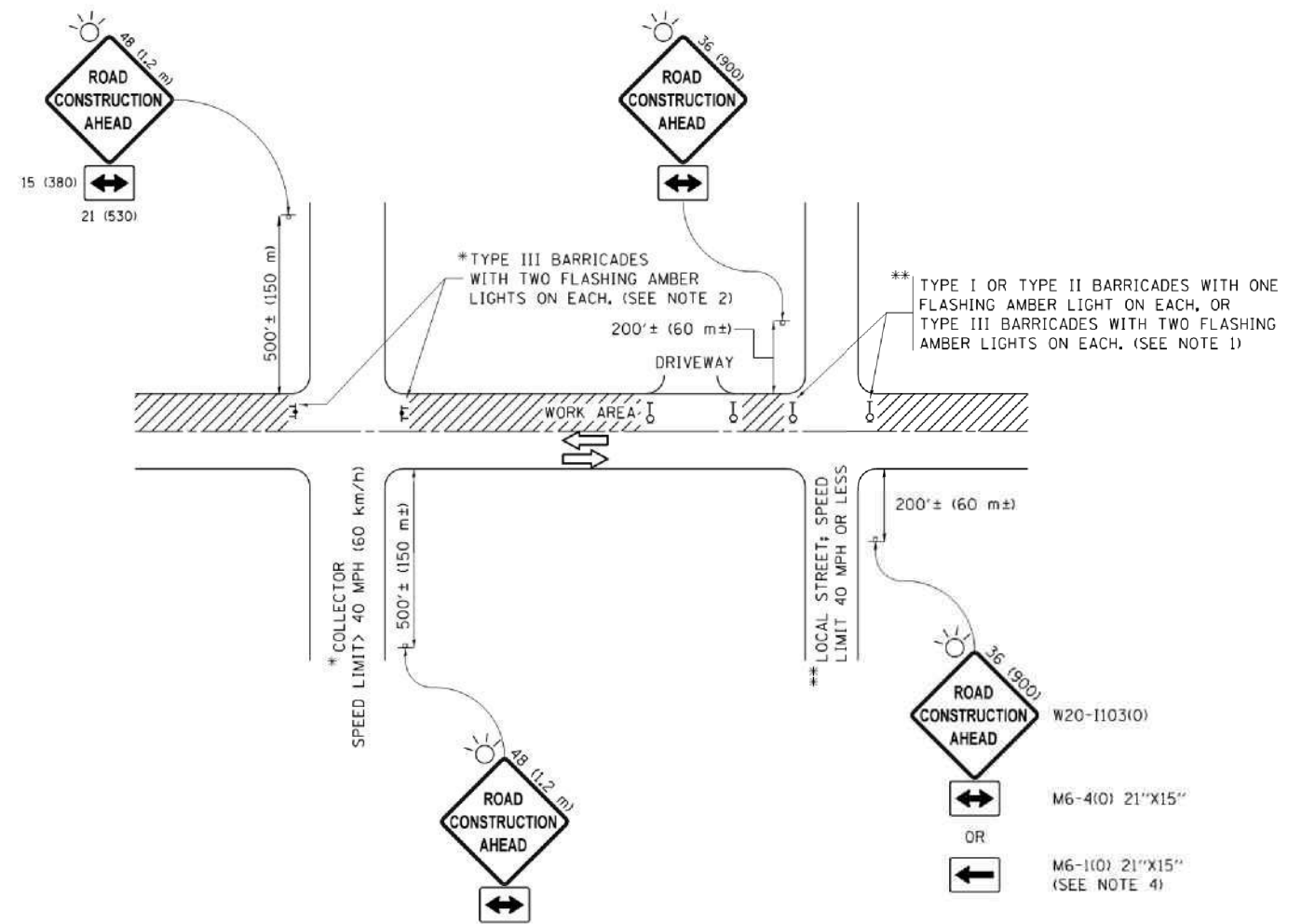
USER NAME - Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000" / in.	CHECKED -	REVISED - R. BORG 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F A U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4003 4004	17-00092-00-PV	MCHENRY	123	78
BD400-05 BD-32		CONTRACT NO.	61H80	
ILLINOIS FED. AID PROJECT				



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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 BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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 SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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 PROJECT CONTACT: *PROJECT CONTACT*
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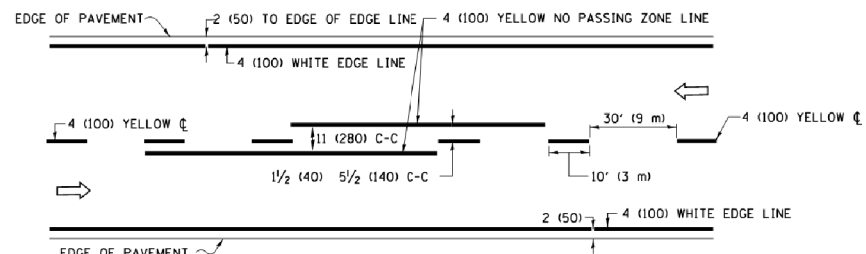
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

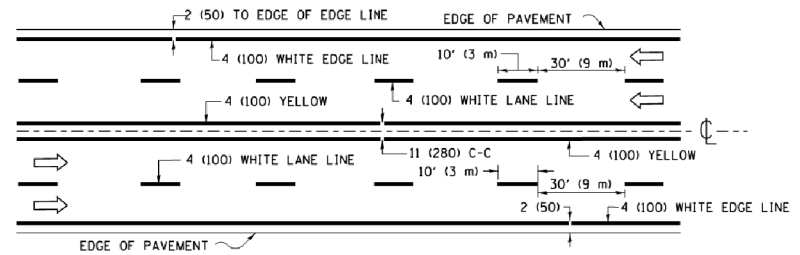
**TRAFFIC CONTROL AND PROTECTION FOR
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

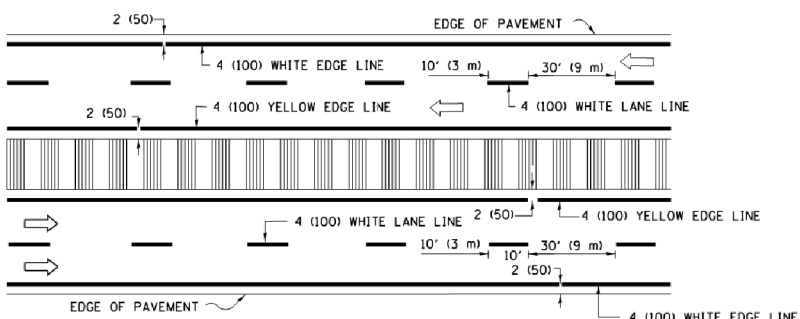
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4003, 4004	17-00092-00-PV	MCHENRY	123	79
TC-10			CONTRACT NO. 61H80	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

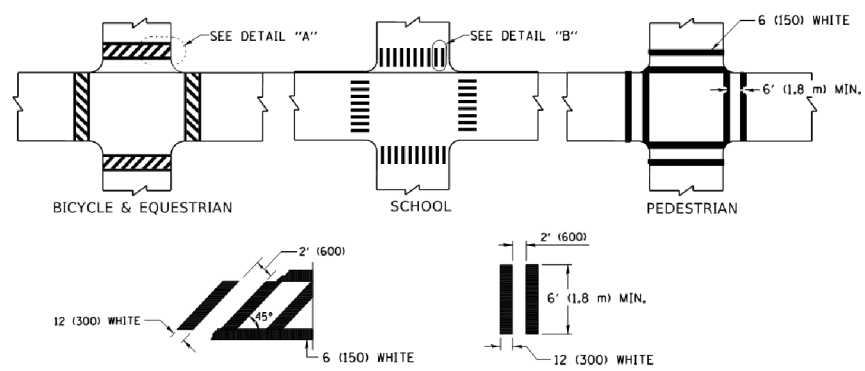


MULTI-LANE UNDIVIDED



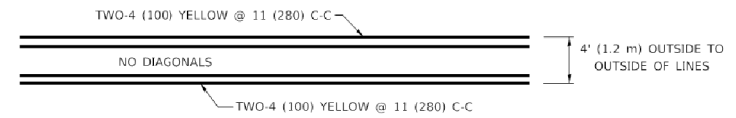
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

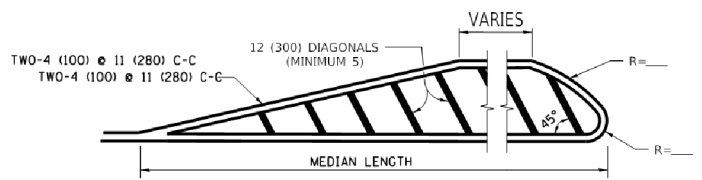


TYPICAL CROSSWALK MARKING

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

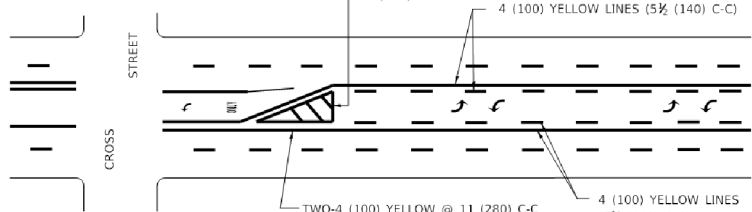


4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

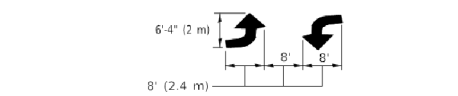
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

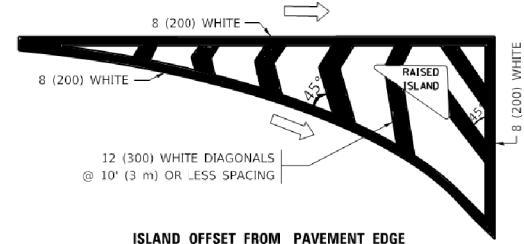
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



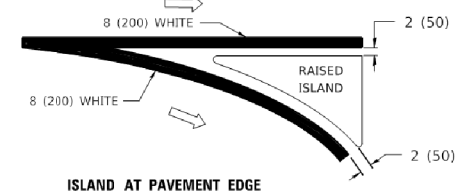
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

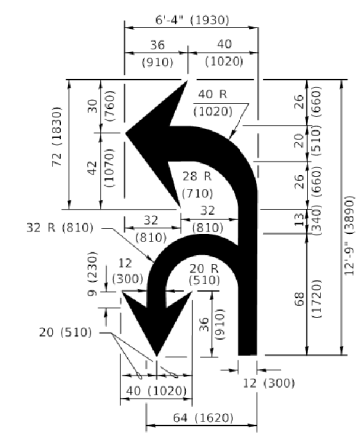


ISLAND OFFSET FROM PAVEMENT EDGE

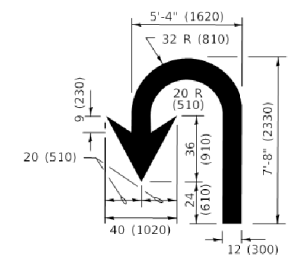


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

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

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

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

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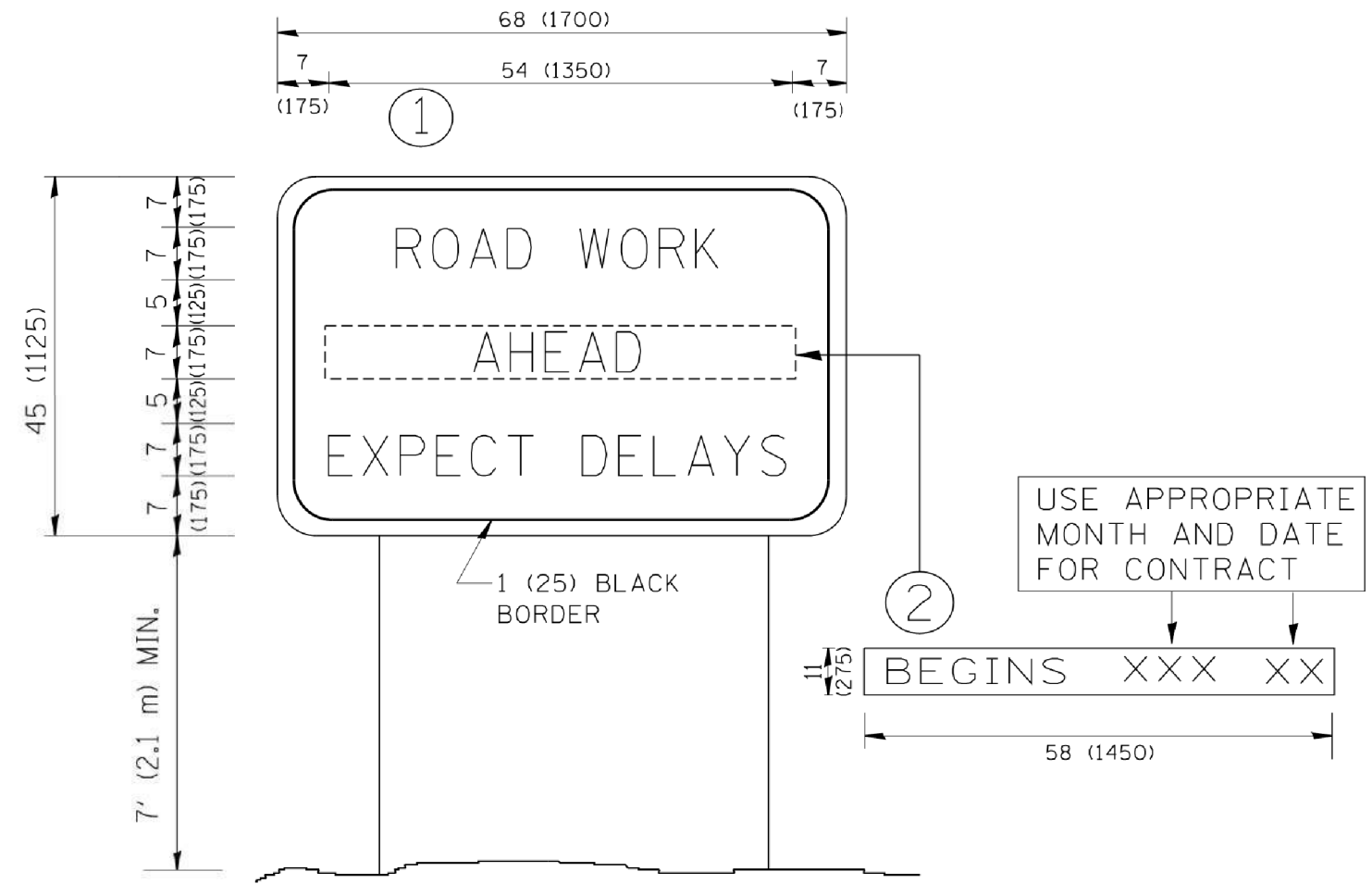
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4003, 4004	17-00092-00-PV	MCHENRY	123	80
TC-13		CONTRACT NO. 61H80		
ILLINOIS FED. AID PROJECT				

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NOTES:

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

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

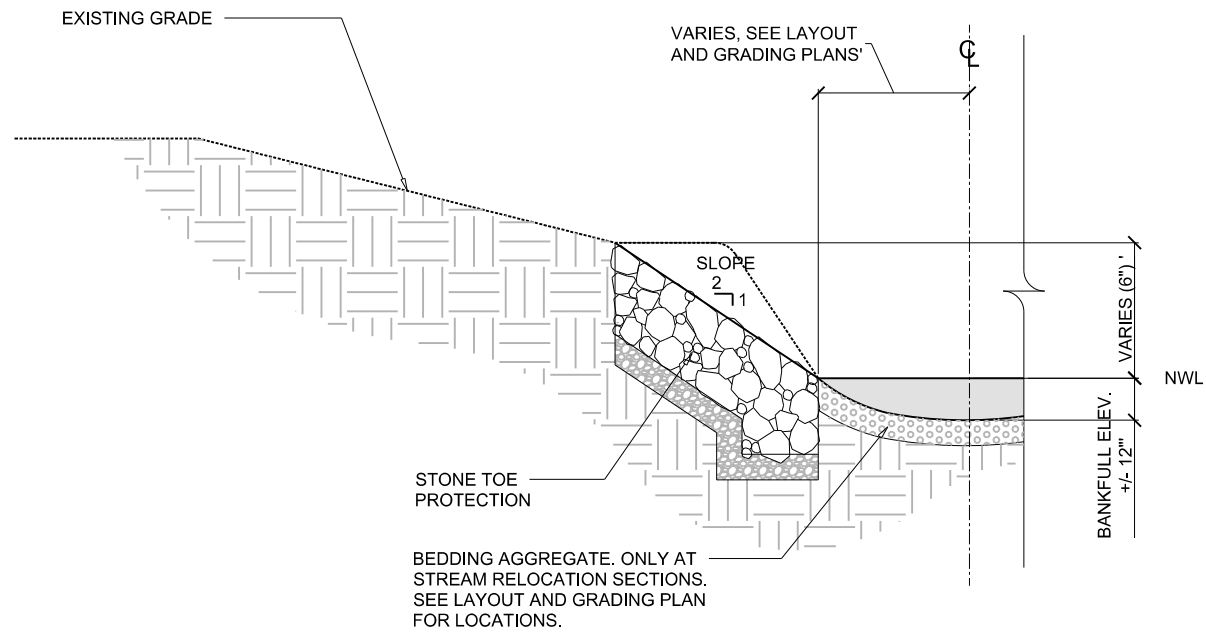
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

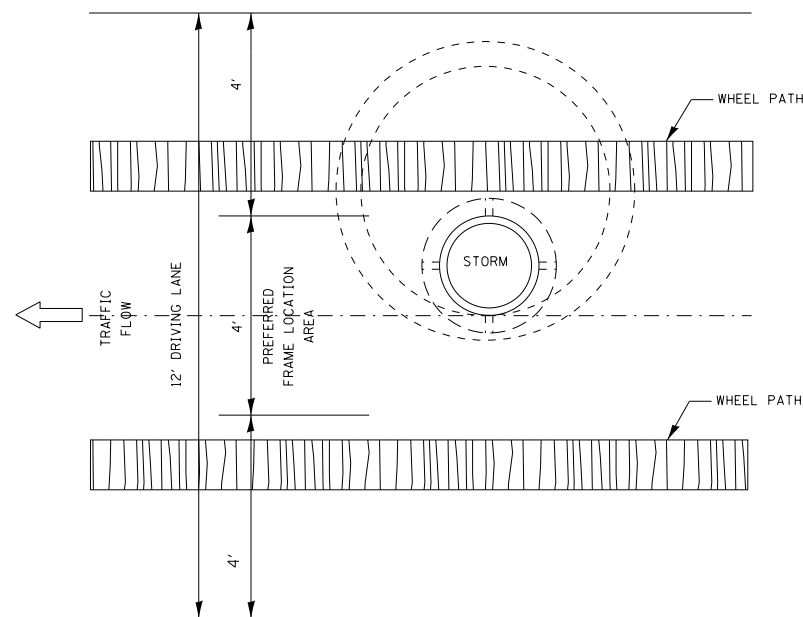
**ARTERIAL ROAD
 INFORMATION SIGN**

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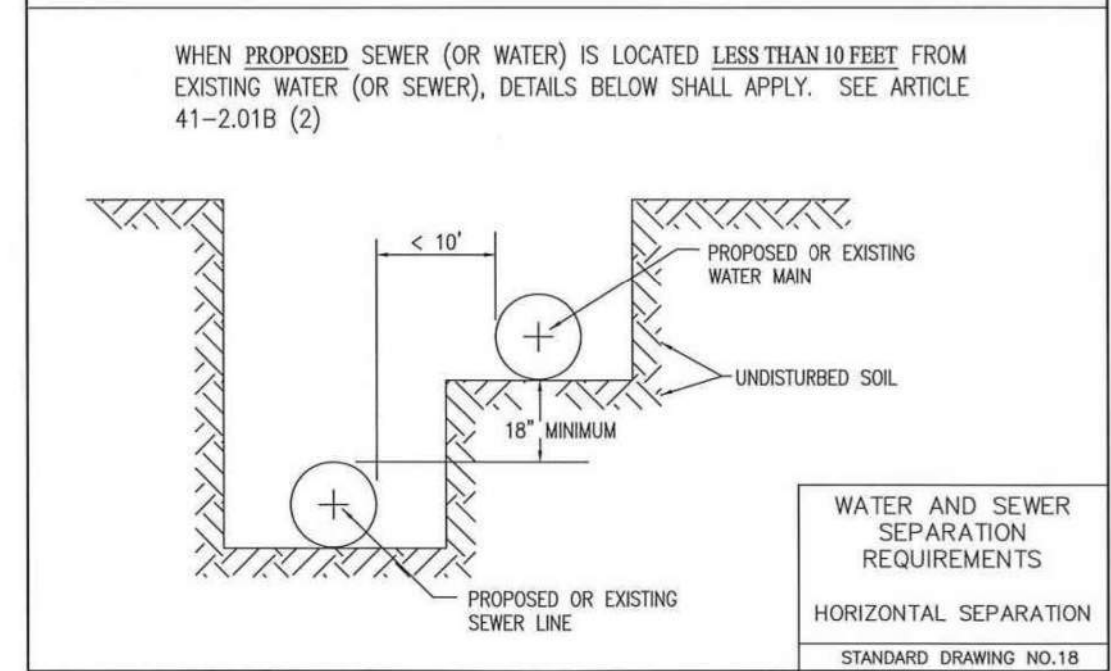
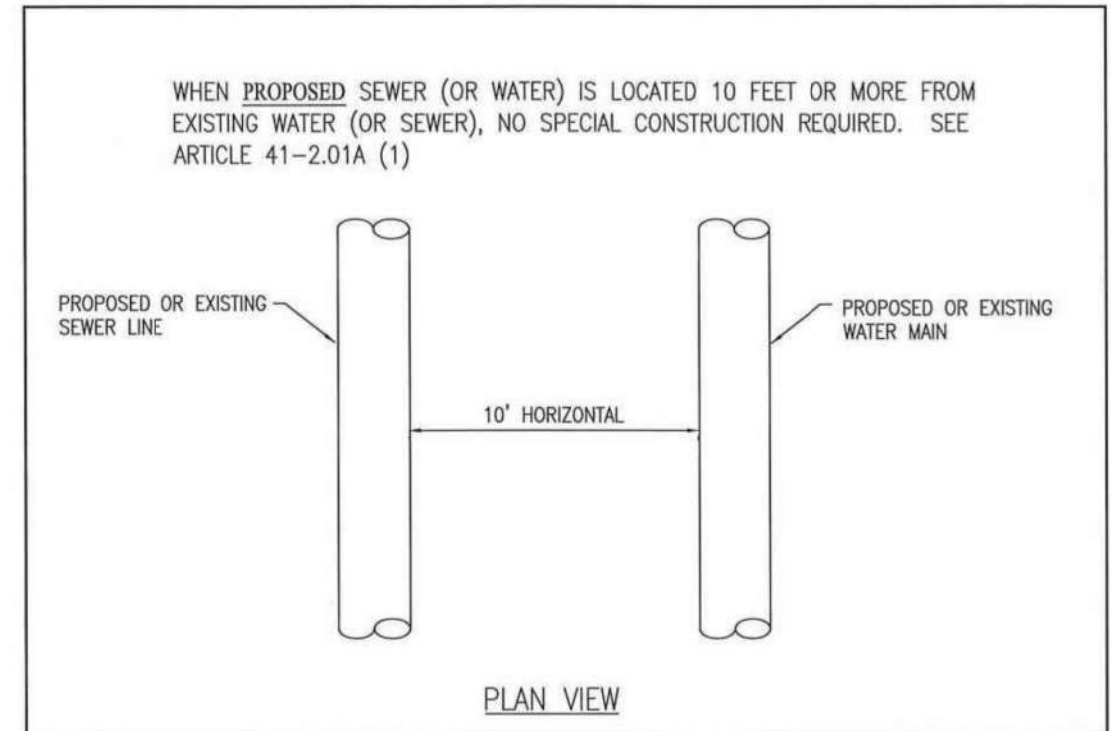
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TC-22		CONTRACT NO.	61H80	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TYPICAL CHANNEL SECTION WITH STONE TOE PROTECTION
NOT TO SCALE



CASTING IN PAVEMENT DETAIL



HRG PROJECT NO.: 17425
 HRG PROJ. CONTACT:
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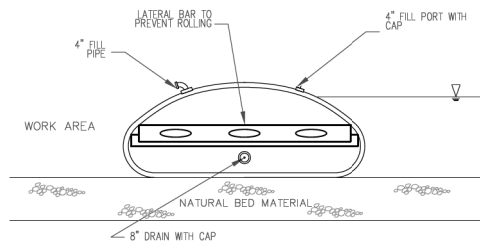
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

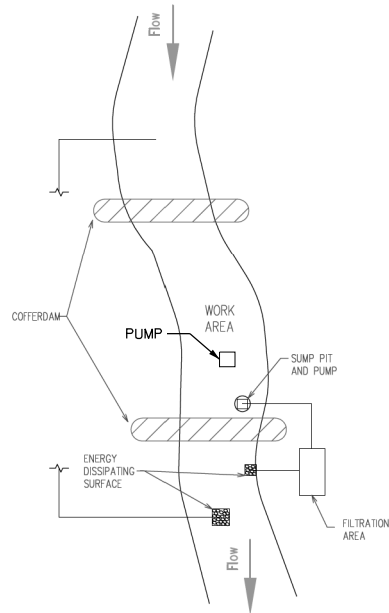
CONSTRUCTION DETAILS
SOUWANAS TRAIL & SCHUETT STREET

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	82
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



COFFERDAM PROFILE



PLAN VIEW

NOTES:

1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

UNITED STATES ARMY CORPS OF ENGINEERS NOTES:

1. EARTHEN COFFERDAMS OR OTHER PRACTICES THAT WOULD RESULT IN A RELEASE OF SEDIMENT INTO WATERS OF THE U.S. ARE NOT AUTHORIZED FOR USE. COFFERDAMS SHALL BE CONSTRUCTED OF NON-ERODIBLE MATERIALS ONLY. ACCEPTABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO: PRE-FABRICATED RIGID COFFERDAMS, SHEET PILING, INFLATABLE BLADDERS, SANDBAGS AND FABRIC-LINED BASINS. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
2. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUABARRIERS, RIP RAP AND GEOTEXTILE FABRIC, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
3. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
4. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
5. DURING DEWATERING OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
6. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER AND THE MCHENRY COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. 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 DEVELOPMENT 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.

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 DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.

ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.

A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.

DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.

ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY WITHIN THE EXISTING ROW AND/OR EASEMENT.

DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

MCHENRY COUNTY STORMWATER PERMIT REQUIREMENTS

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.

SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT 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 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 DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT 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 NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN 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 STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR 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 DRAINAGE 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.

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 HRG PROJ CONTACT:
 FILE NAME: 17425-SW-def+02.dgn
 PEN TABLE: 17425.dwg
 PEN TABLE: 17425.dwg



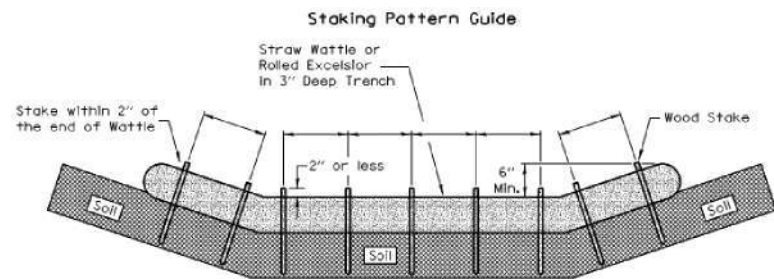
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PLOT DATE = 12/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 2 OF 7 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00092-00-PV	MCHENRY	123	83
•	4003, 4004	CONTRACT NO. 61H80		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

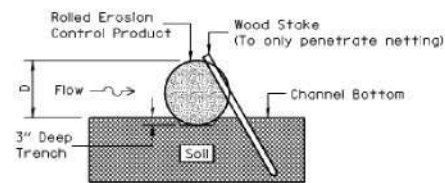
TEMPORARY DITCH CHECK



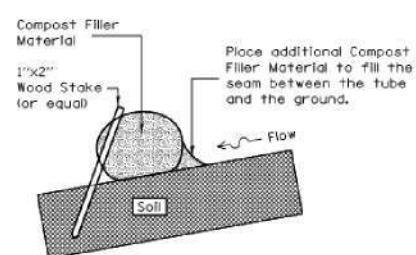
Notes:

1. Overlap minimum is the diameter of the roll.
2. 4" spacing for wattles.
3. 2" spacing for rolled excelsior.
4. Or space according to manufacturer's specifications.

Stake Detail



Compost Filter Sock Detail



When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

Notes:

1. Drawings are not to scale.
2. Ends of wattles or rolled excelsior shall be turned at least 6" upslope.
3. Recommended stakes are 1 1/8" wide x 1 1/8" thick x 30" long.
4. Stakes shall not extend above the straw wattle more than 2".
5. Spacing: The toe of the upstream ditch check shall create a horizontal line with the top of the downstream ditch check.
6. When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

REFERENCE	Project _____
Designed _____	Date _____
Checked _____	Date _____
Approved _____	Date _____

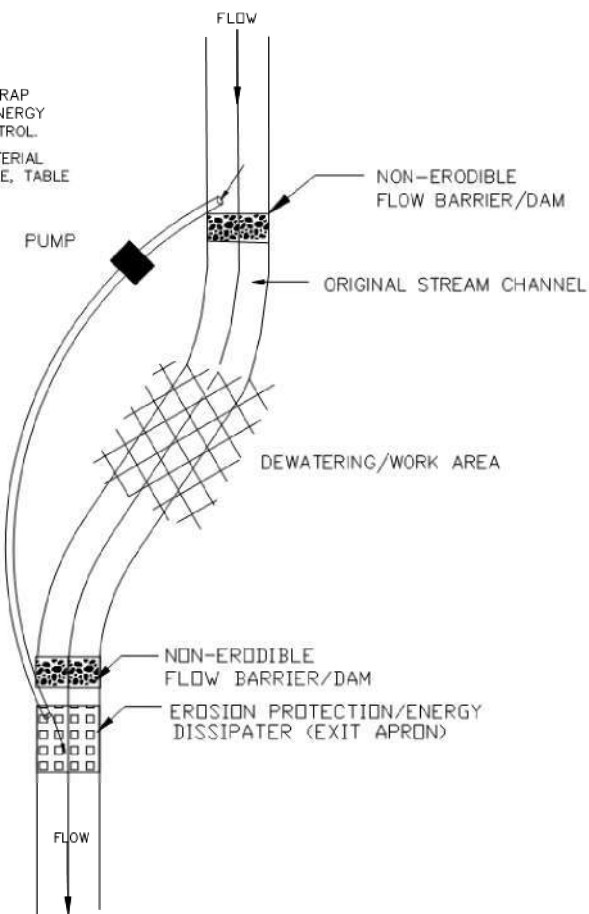


STANDARD DWG. NO.	IUM-514
SHEET 1 OF 1	
DATE	8-19-11

TEMPORARY STREAM DIVERSION - BYPASS PUMP

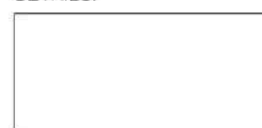
NOTES:

1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.



PUMP SIZE: ----

EROSION PROTECTION/ENERGY DISSIPATOR DETAILS:

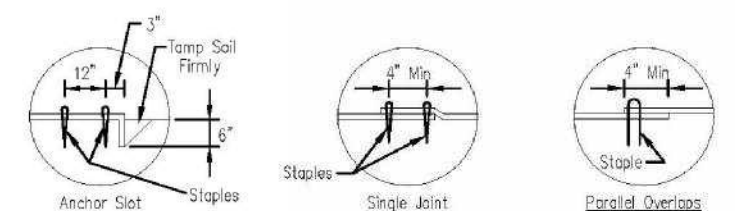
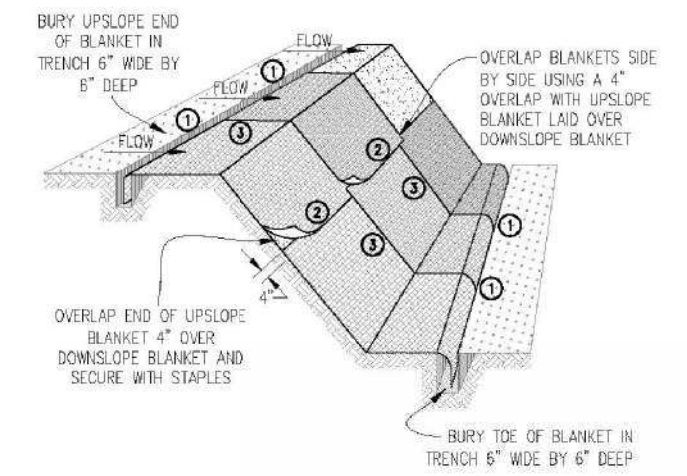


TYPICAL PUMPED DIVERSION PLAN

REFERENCE	Project _____
Designed _____	Date _____
Checked _____	Date _____
Approved _____	Date _____



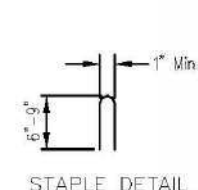
STANDARD DWG. NO.	IUM-676BP
SHEET 1 OF 1	
DATE	7-29-2011



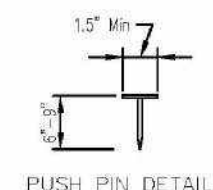
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

DESIGNED	DATE
CHECKED	DATE
APPROVED	DATE

EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed	_____	Date	_____
Drawn	B. JOHNSON	11/08	
Checked	_____		
Approved	_____		

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-S17-det-02-03.dgn
 PEN TABLE: penTable.tbl



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PLOT DATE = 11/28/2022	DATE -	REVISED -

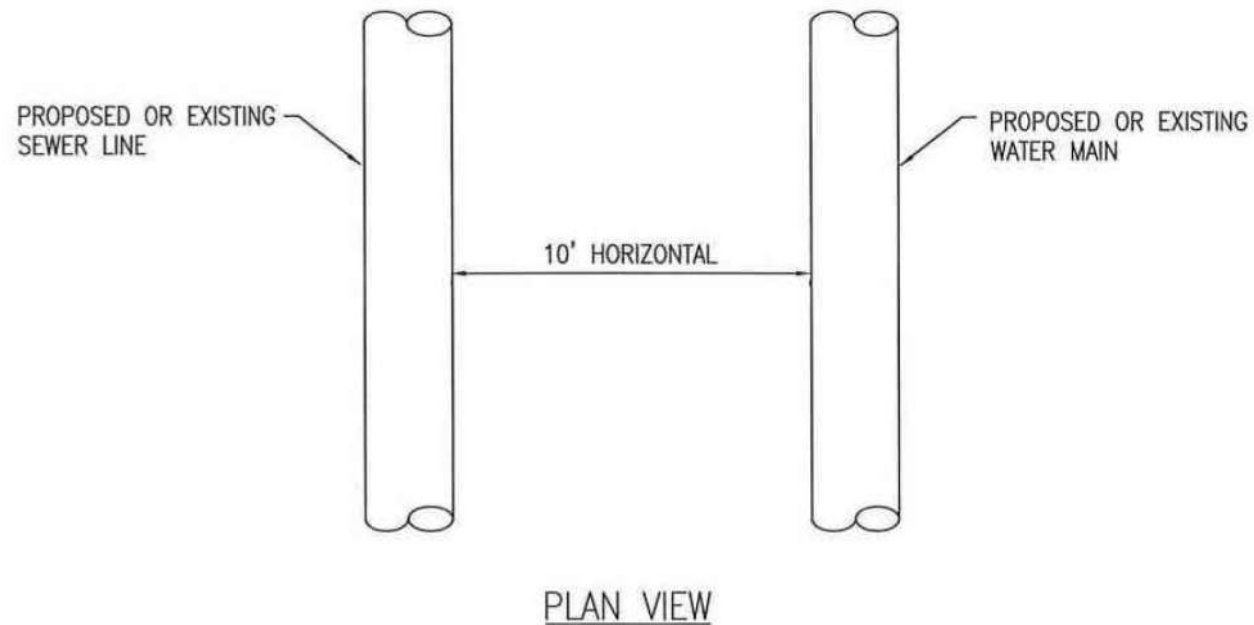
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS	SHEET 3 OF 7 SHEETS	STA. _____ TO STA. _____
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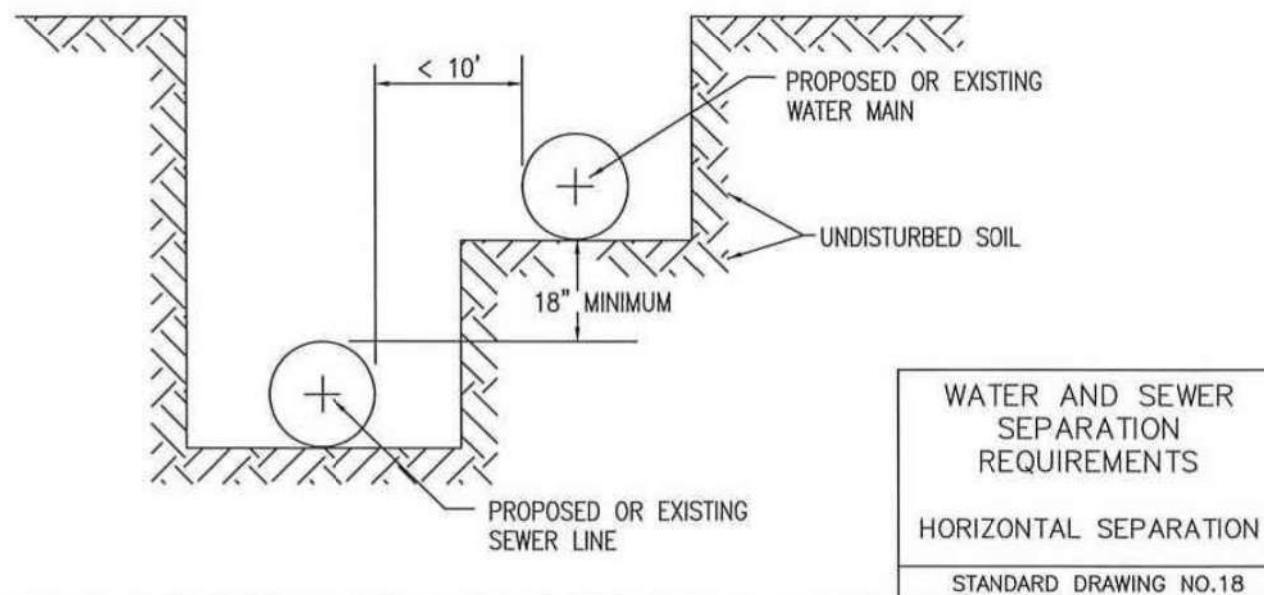
CONSTRUCTION DETAILS
SOUWANAS TRAIL & SCHUETT STREET

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	84
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE ARTICLE 41-2.01A (1)

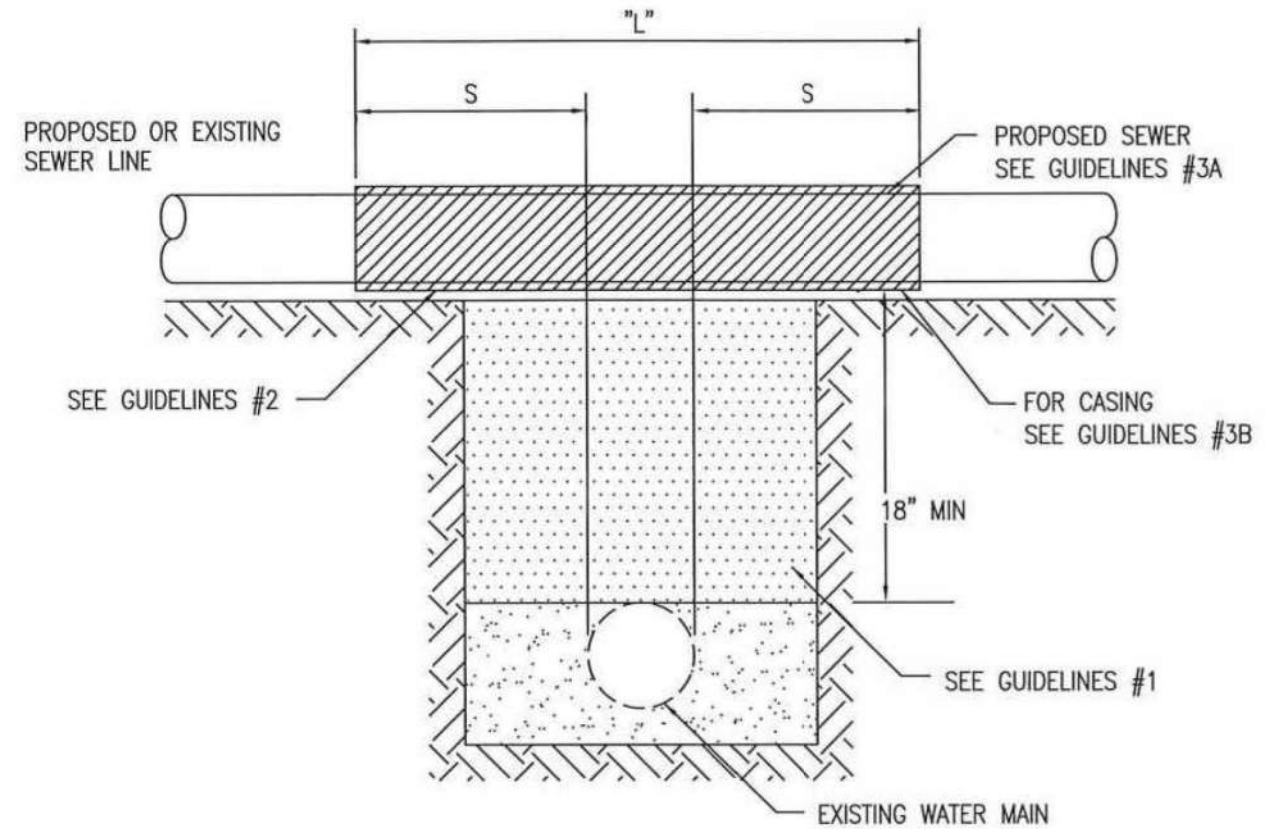


WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE ARTICLE 41-2.01B (2)



PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.19

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SW-06-C0-04-WL.dgn
 PEN TABLE: 10/10/2022

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 Illinois Professional Design Firm
 #184-001322

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PLOT DATE = 11/28/2022	DATE -	REVISED -

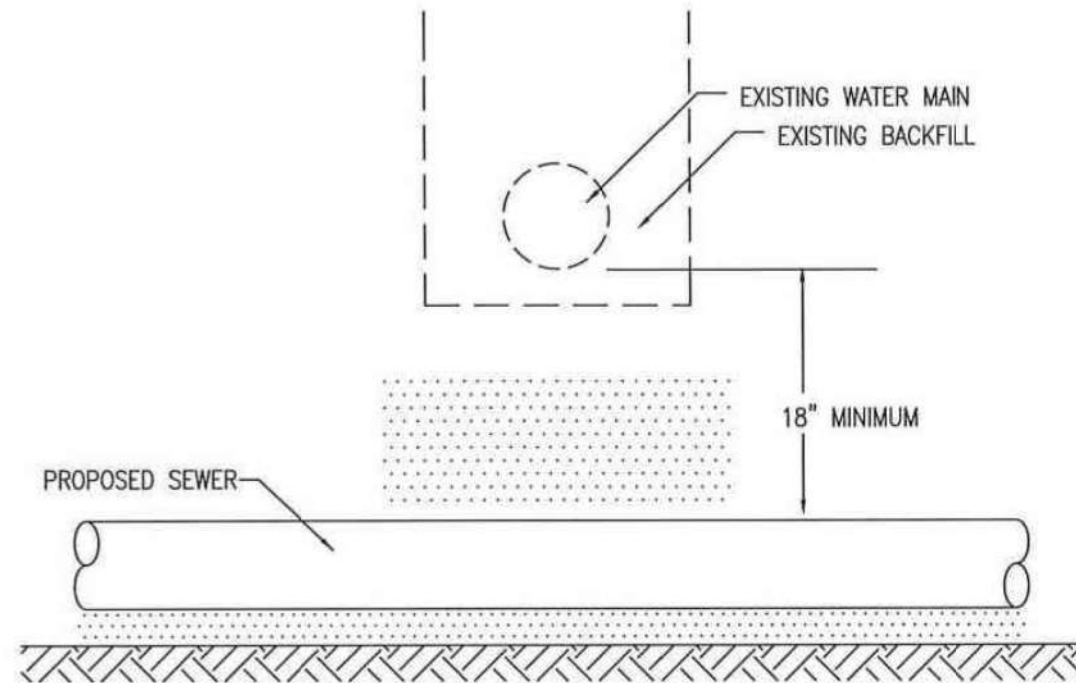
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
SOUWANAS TRAIL & SCHUETT STREET

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	85
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



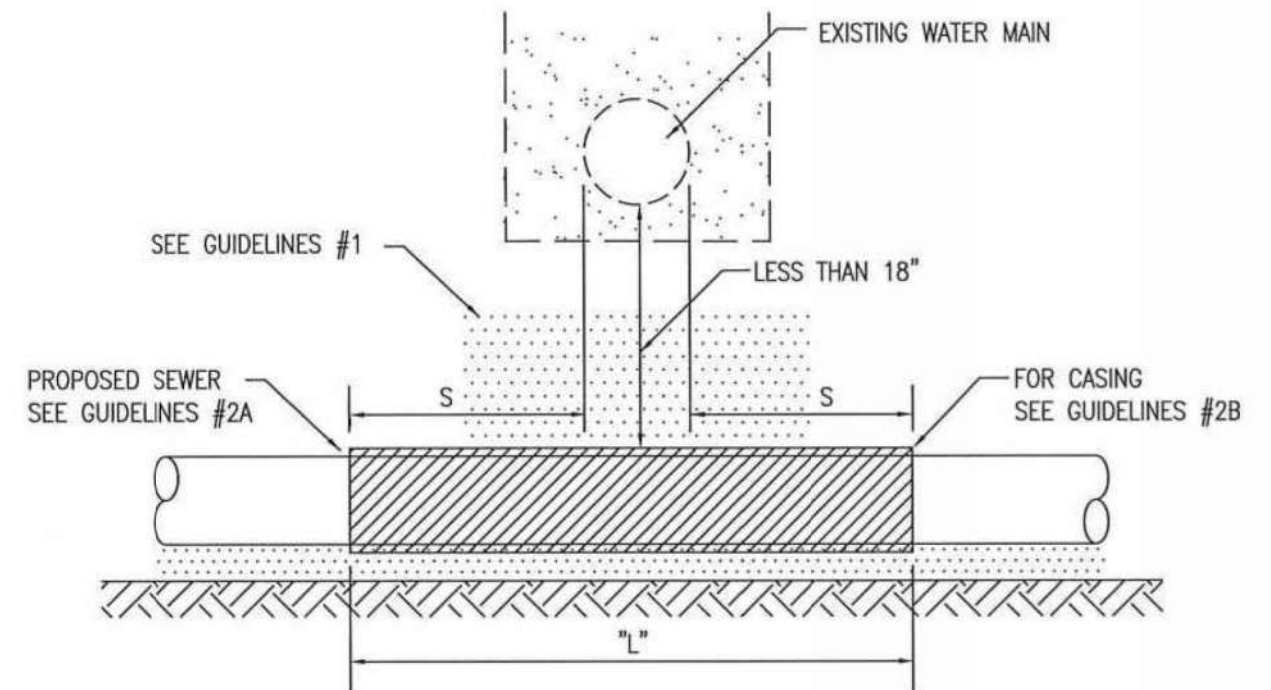
GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.20

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.21

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

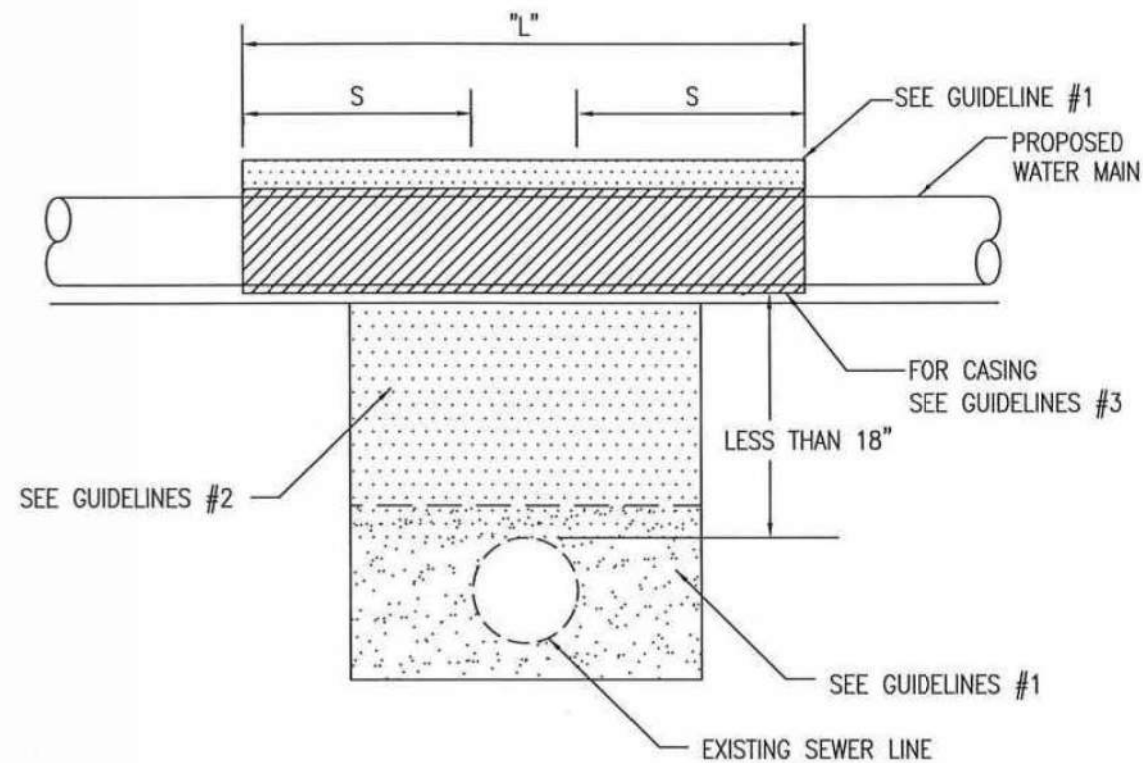
CONSTRUCTION DETAILS
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	86
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

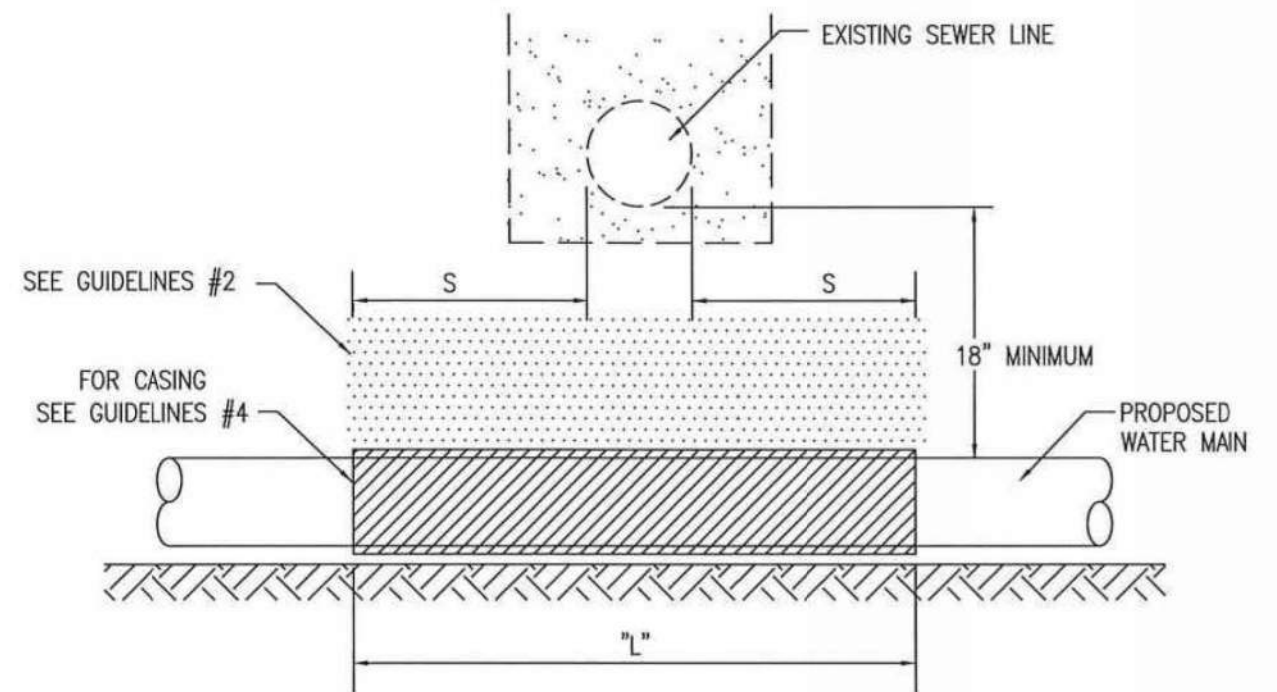
WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.22

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.23

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 HRG PROJ CONTACT:
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 PEN TABLE: 17425.tbl



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PLOT DATE = 11/28/2022	DATE -	REVISED -

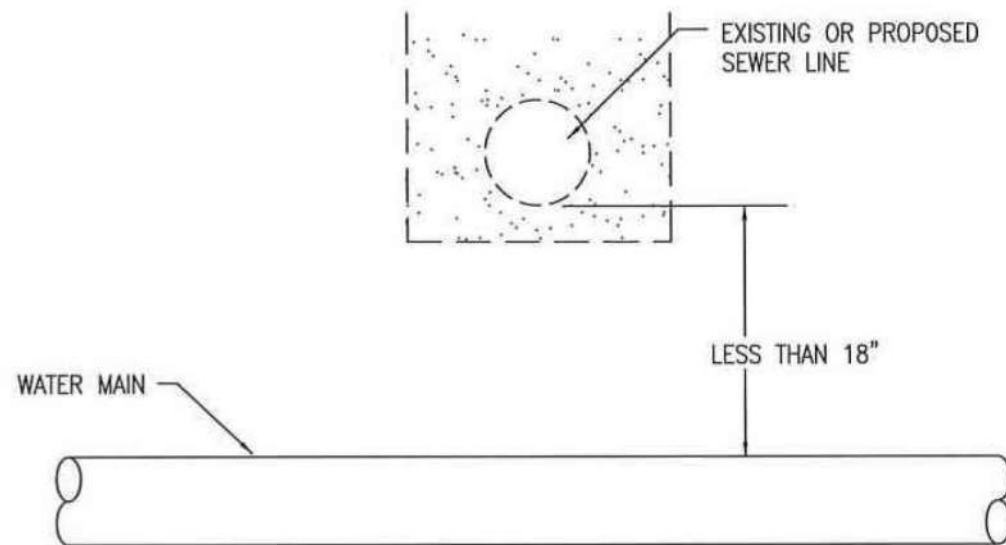
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	87
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION, NOT ALLOWED.



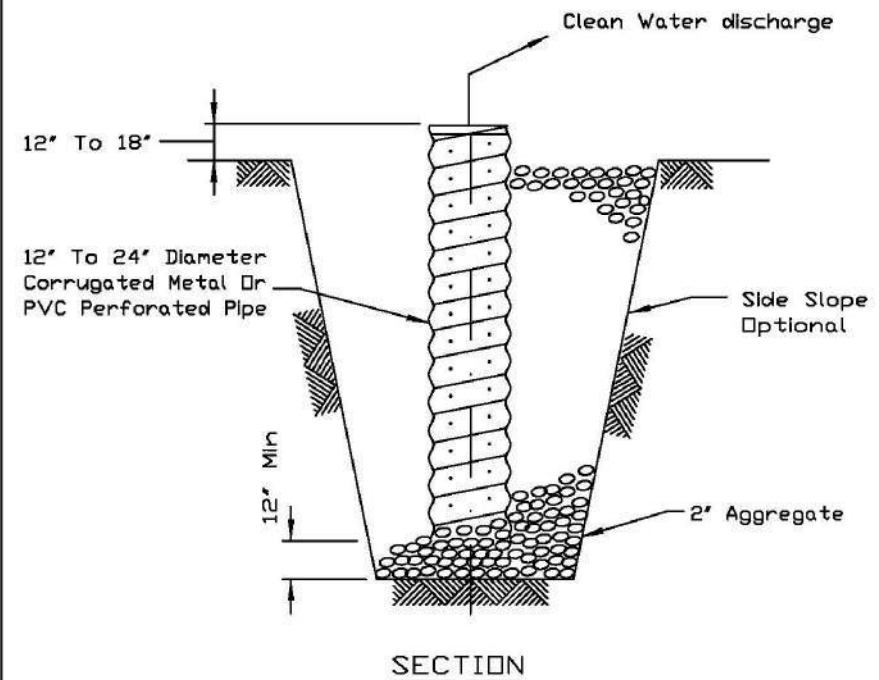
NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

WATER AND SEWER
SEPARATION
REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.24

SUMP PIT PLAN



NOTES:

1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2' aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2' aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-650
SHEET	1 OF 1
DATE	8-11-94

HRG PROJECT NO: 17425
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STATE OF ILLINOIS
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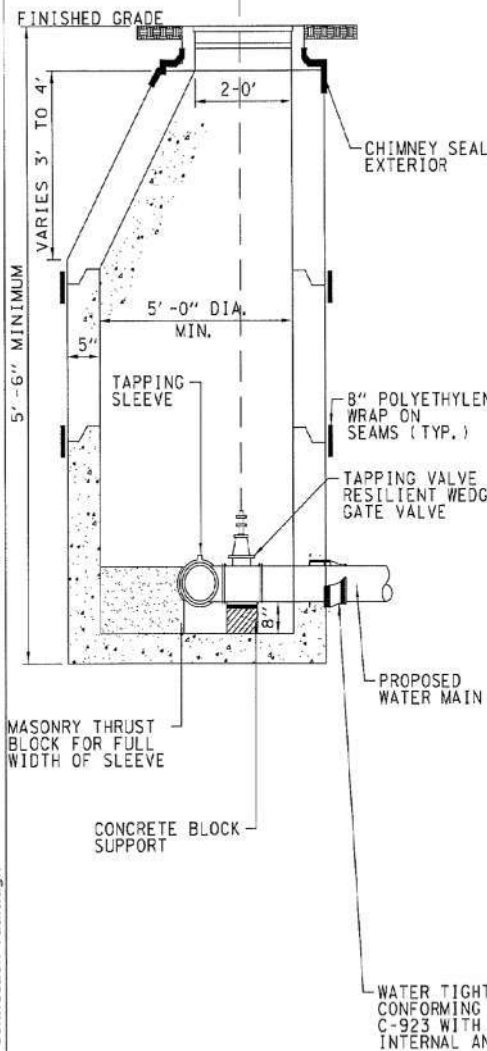
CONSTRUCTION DETAILS
SOUWANAS TRAIL & SCHUETT STREET

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	88
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
FX: 847-658-2759
WWW.ALGONQUIN.ORG



NOTES:

1. ALL VALVES MUST BE ENCLOSED IN A VAULT UNLESS OTHERWISE SPECIFIED.
2. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5" FOR 4'-0" INSIDE DIAMETER AND 6" FOR 5'-0" INSIDE DIAMETER STRUCTURES.
3. STRUCTURE SHALL BE 4'-0" INSIDE DIAMETER FOR 8" VALVES AND LESS. STRUCTURE SHALL BE 5'-0" INSIDE DIAMETER FOR 10" VALVES AND LARGER.
4. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
5. ALL EXTERIOR SURFACES OF STRUCTURE SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.
6. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
7. OPERATING NUT OF VALVE MUST BE CENTERED ON A PLUMB LINE EXTENDED FROM CENTER OF FRAME OPENING.
8. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
9. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
10. STRUCTURE LID SHALL HAVE A TWO, 1" CONCEALED PICKHOLES AND HAVE THE WORD "WATER" AND VILLAGE LOGO CAST INTO IT.
11. THE RIM ELEVATION FOR STRUCTURES WITHIN THE FLOODPLAIN MUST BE SET 24" ABOVE THE BASE FLOOD ELEVATION. FRAME AND LID MUST BE WATER-TIGHT LOCK DOWN.
12. PIPE PENETRATIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS AND FLEXIBLE RUBBER CONNECTORS.
13. SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

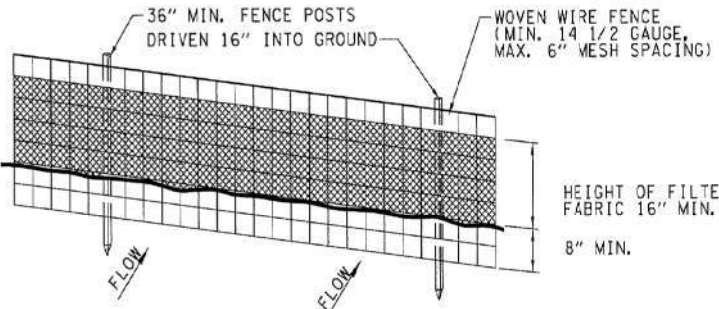
PRESSURE CONNECTION AND VAULT

Village of Algonquin Specifications & Details Guide
 Drawn By: CBBEL Revision Date 06/25/2022
 Approved By: Public Works Director Effective Date 06/25/2022

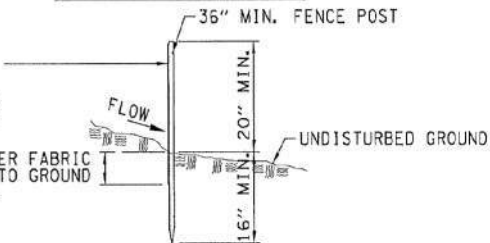
A FOUR INCH PRECAST RING SHALL BE FACTORY INSTALLED ON ALL FLATOP STRUCTURES



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PERSPECTIVE VIEW



SECTION

NOTES:

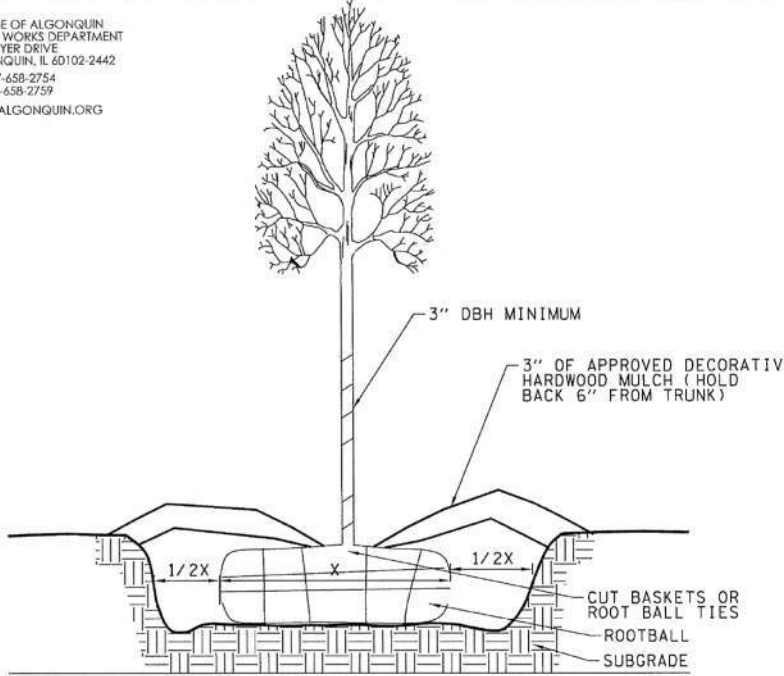
1. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE OR WHEN COLLECTED SOIL HAS REACHED A DEPTH OF 1/2 THE FABRIC HEIGHT.
5. SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

SILTATION CONTROL FENCE

Village of Algonquin Specifications & Details Guide
 Drawn By: CBBEL Revision Date 06/25/2022
 Approved By: Public Works Director Effective Date 06/25/2022



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NOTES:

1. ALL PARKWAYS WITHIN THE DEDICATED STREET AREA OR OTHER PUBLIC USE AREAS SHALL BE GRADED WITH SIX INCHES (6") OF TOPSOIL AND SEEDED OR SODDED IN AN APPROVED MANNER.
2. A LIST OF THE APPROVED TREE SPECIES IS AVAILABLE FROM THE PUBLIC WORKS DEPARTMENT.
3. THERE WILL BE NO MORE THAN TWENTY (20%) PERCENT OF ANY SPECIES . MORE THAN TEN (10%) PERCENT OF ANY GENUS.
4. TREES SHALL BE BALLED AND BURLAPED AND GROWN ACCORDING TO GOOD NURSERY PRACTICES AS SPECIFIED IN THE ARBORICULTURAL SPECIFICATIONS MANUAL. SYNTHETIC BURLAP AND ROPE PRODUCTS SHALL NOT BE USED.
5. ALL TREES SHALL BE PLANTED IN A PLUMB POSITION, WITH THE BASAL FLARE RESIDING AT GRADE OR SLIGHTLY ABOVE. STAKING OF THE TREES SHALL ONLY BE PERFORMED IF NECESSARY. STAKES WILL REMAIN ON THE SPECIMENS FOR NO LONGER THAN ONE (1) YEAR.
6. NO SOIL AMENDMENTS SHALL BE ALLOWED.
7. 3" OF APPROVED DECORATIVE MULCH WILL BE INSTALLED AT THE TIME OF PLANTING (OVER THE ENTIRE ROOT ZONE).

TREE PLANTING

Village of Algonquin Specifications & Details Guide
 Drawn By: CBBEL Revision Date 06/25/2022
 Approved By: Public Works Director Effective Date 06/25/2022

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SW-06-10-04.dgn
 PEN TABLE: 17425.tbl
 HRGreen.com



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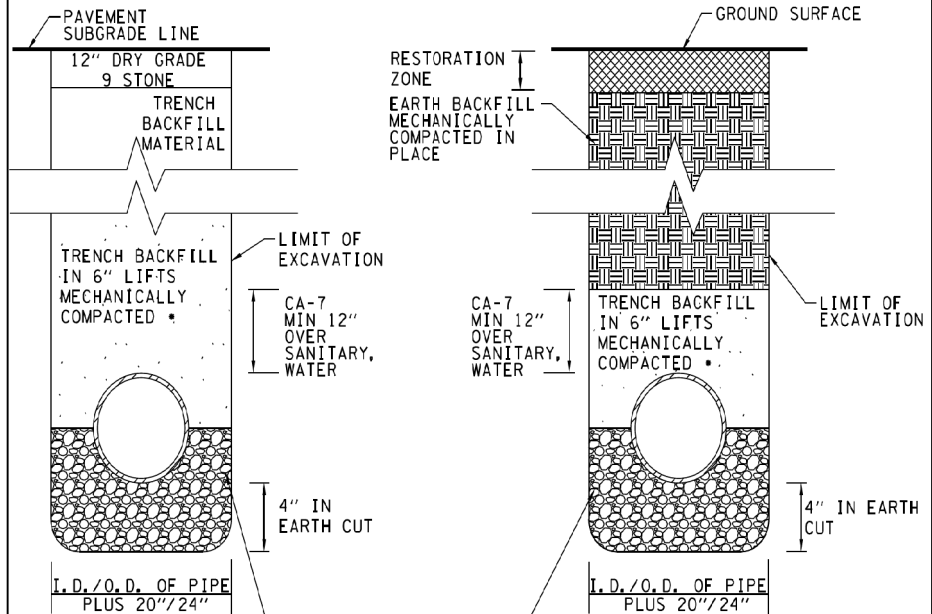
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	89
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
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RESTORATION ZONE
EARTH BACKFILL MECHANICALLY COMPACTED IN PLACE

LIMIT OF EXCAVATION

CA-7 MIN 12" OVER SANITARY, WATER

TRENCH BACKFILL IN 6" LIFTS MECHANICALLY COMPACTED

4" IN EARTH CUT

I.D./O.D. OF PIPE PLUS 20"/24"

BEDDING MATERIAL WATER, STORM, SANITARY = CA-7

• CA-7 12" MIN OVER SANITARY, WATER BEFORE CA-6 IS USED

MINIMUM TRENCH WIDTH PAY LINE: PIPE SIZES UP TO 24", USE I.D. PLUS 20" OVER 24", USE O.D. PLUS 24"

IN PAVED AREA

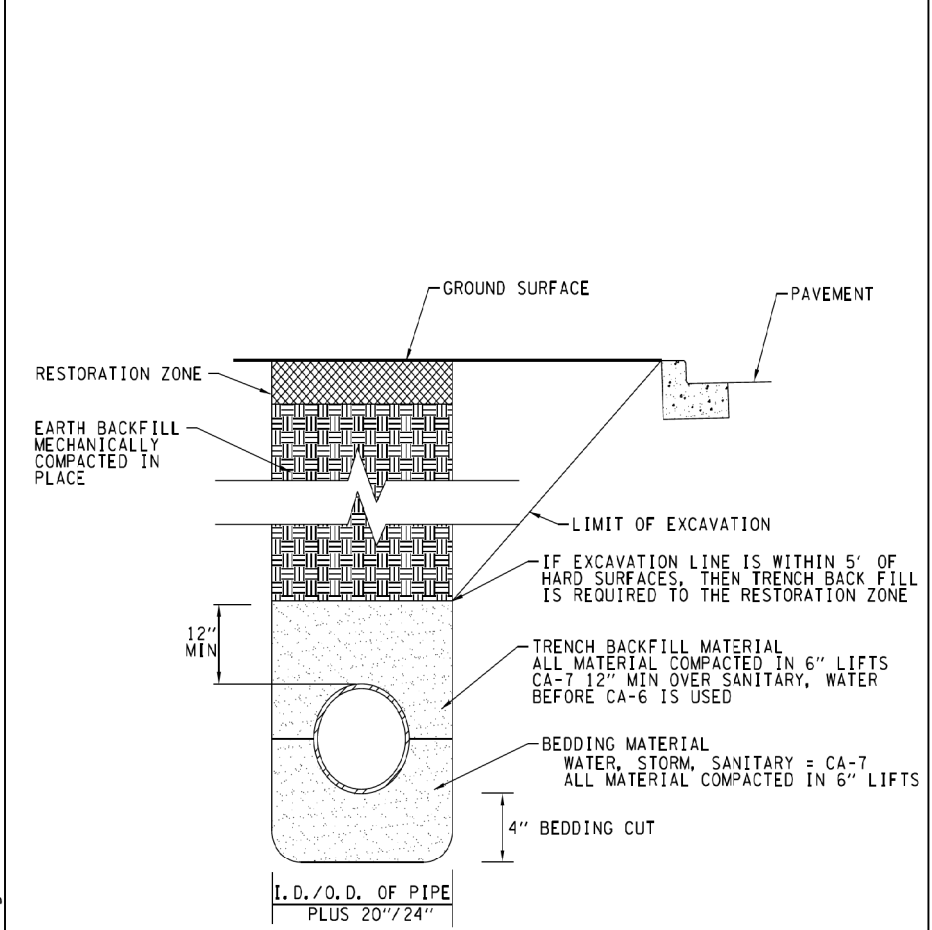
MINIMUM TRENCH WIDTH PAY LINE: PIPE SIZES UP TO 24", USE I.D. PLUS 20" OVER 24", USE O.D. PLUS 24"

IN UNPAVED AREA

TRENCH SECTIONS	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

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VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
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RESTORATION ZONE
EARTH BACKFILL MECHANICALLY COMPACTED IN PLACE

LIMIT OF EXCAVATION

IF EXCAVATION LINE IS WITHIN 5' OF HARD SURFACES, THEN TRENCH BACK FILL IS REQUIRED TO THE RESTORATION ZONE

12" MIN

TRENCH BACKFILL MATERIAL ALL MATERIAL COMPACTED IN 6" LIFTS CA-7 12" MIN OVER SANITARY, WATER BEFORE CA-6 IS USED

BEDDING MATERIAL WATER, STORM, SANITARY = CA-7 ALL MATERIAL COMPACTED IN 6" LIFTS

4" BEDDING CUT

I.D./O.D. OF PIPE PLUS 20"/24"

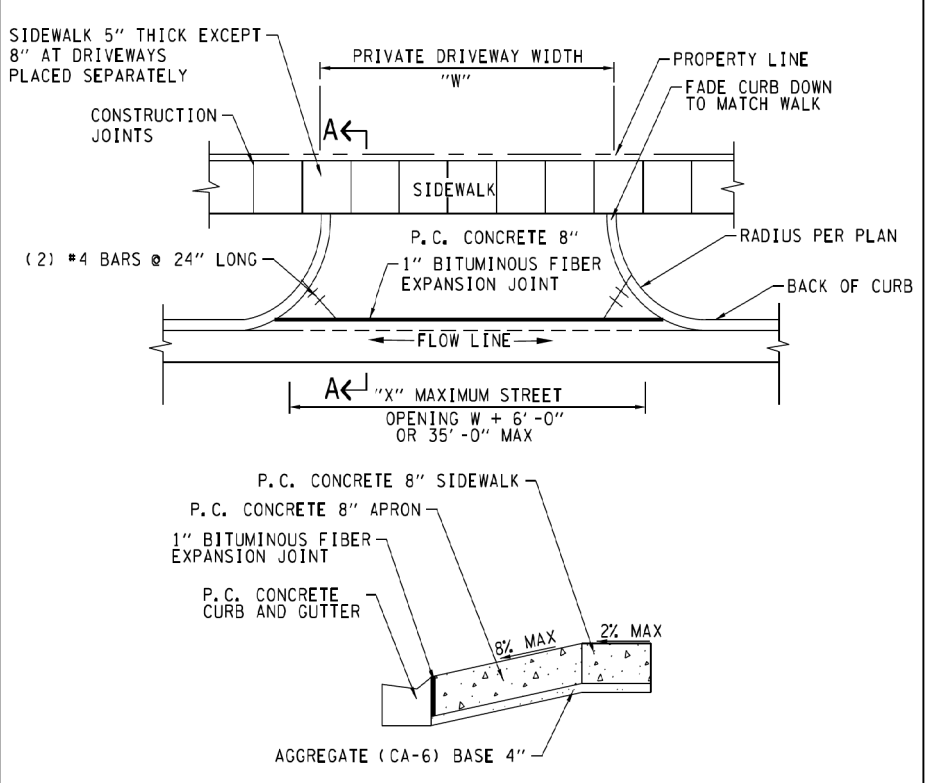
MINIMUM TRENCH WIDTH PAY LIMITS: PIPE SIZES UP TO 24", USE I.D. PLUS 20" OVER 24", USE O.D. PLUS 24"

HARD SURFACE IS DEFINED AS BUT NOT LIMITED TO: STREETS, LOTS, CONCRETE, ASPHALT, CURB AND UTILITY ACCESS DRIVES

TRENCH ADJACENT TO HARD SURFACES EXISTING OR PROPOSED	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

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VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
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SIDEWALK 5" THICK EXCEPT 8" AT DRIVEWAYS PLACED SEPARATELY

PRIVATE DRIVEWAY WIDTH "W"

PROPERTY LINE

FADE CURB DOWN TO MATCH WALK

CONSTRUCTION JOINTS

SIDEWALK

RADIUS PER PLAN

P.C. CONCRETE 8"

1" BITUMINOUS FIBER EXPANSION JOINT

BACK OF CURB

FLOW LINE

AK "X" MAXIMUM STREET OPENING W + 6'-0" OR 35'-0" MAX

P.C. CONCRETE 8" SIDEWALK

P.C. CONCRETE 8" APRON

1" BITUMINOUS FIBER EXPANSION JOINT

P.C. CONCRETE CURB AND GUTTER

8% MAX

2% MAX

AGGREGATE (CA-6) BASE 4"

SECTION A-A

NOTES:

- OMITTED.
- CONSTRUCTION JOINTS SHALL BE PLACED IN A UNIFORM MANNER THAT ALLOWS NO SINGLE SLAB TO BE MORE THAN A 10' X 10' SECTION.
- WHERE THE PROPOSED ENTRANCE IS FRONTED BY BARRIER CURB OR THERE IS A DESIRE TO CHANGE A PORTION OF THE EXISTING CURB AND GUTTER CROSS SECTION, THE HEAD OF THE CURB SHALL BE REMOVED BY SAWCUT. TRANSITION FROM FULL TO DEPRESSED CURB SHALL BE ACCOMPLISHED IN A MINIMUM OF ONE LINEAL FOOT.
- A MINIMUM OF FOUR (4) INCHES OF CA-6, TYPE B MUST BE PLACED AND COMPACTED PRIOR TO CONCRETE PLACEMENT.
- APRON IS TO BE PLACED SEPARATELY FROM SIDEWALK AND CURB.

COMMERCIAL / INDUSTRIAL APRON	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

21

HRG PROJECT NO: 17425
HRG PROJ CONTACT:
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

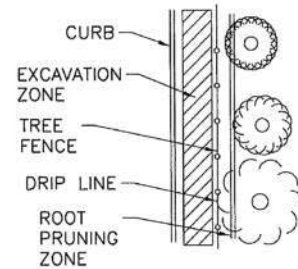
VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 2 OF 12 SHEETS STA. TO STA.

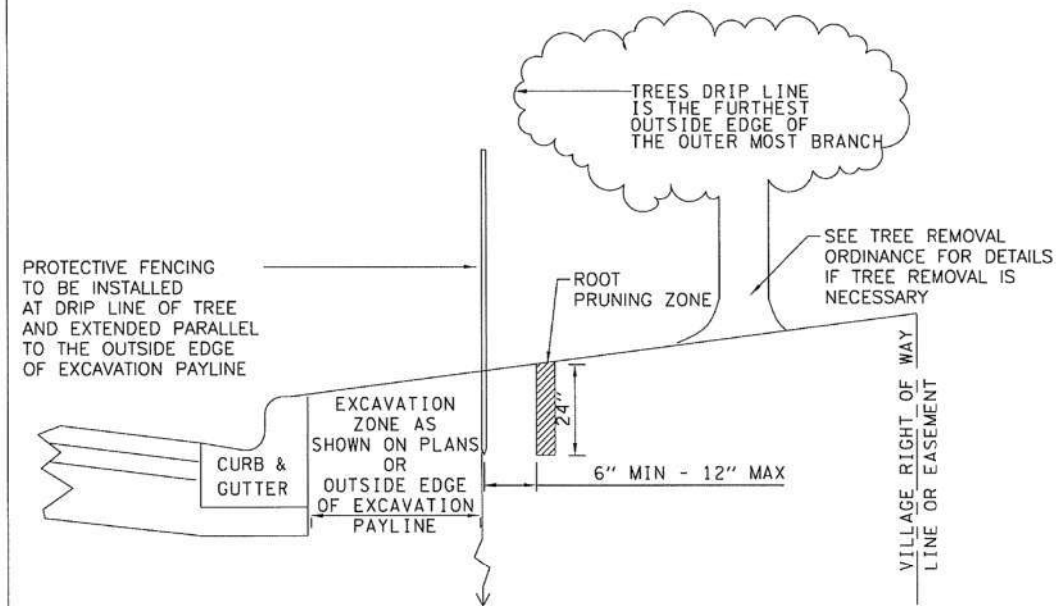
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• 4003, 4004	17-00092-00-PV	MCHENRY	123	90
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	



VILLAGE OF ALGONQUIN
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110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
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FX: 847-658-2759
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PLAN VIEW



NOTES:

- ADDITIONAL TREE PROTECTION MAY BE NECESSARY AT THE DIRECTION OF THE VILLAGE.
- ALL RAISING AND PRUNING TO BE UNDER THE SUPERVISION OF THE VILLAGE.
- ALL ROOT PRUNING TO OCCUR PRIOR TO THE INSTALLATION OF PROTECTIVE FENCING.
- THERE IS TO BE NO STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL INSIDE THE PROTECTIVE FENCING.
- ROOT PRUNING EQUIPMENT SHALL CLEANLY CUT ROOTS WITHOUT RIPPING OR TEARING.

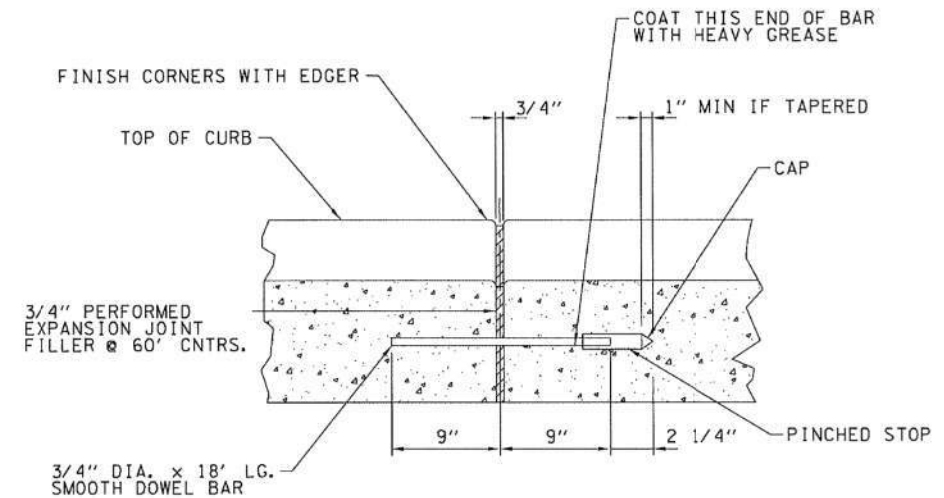
TREE PROTECTION & ROOT PRUNING

Village of Algonquin Specifications & Details Guide			
Drawn By: CBBEL	Revision Date 06/25/2022		
Approved By: Public Works Director	Effective Date 06/25/2022		

...\\tree protection & pruning.dgn



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NOTES:

- ALL EXPANSION JOINTS SHALL BE PROVIDED WITH (2) 3/4" DIA. X 18" LONG COATED SMOOTH DOWEL BAR CONFORMING TO ARTICLE 442.06 OF THE IDOT STANDARD SPECIFICATIONS. THE DOWEL BAR SHALL BE FITTED WITH A CAP HAVING A PINCHED STOP THAT WILL PROVIDE 1" OF EXPANSION.
- EXPANSION JOINTS SHALL BE CONSTRUCTED AT 60 FOOT INTERVALS, AT ALL POINTS OF TANGENCY, AT THE END OF EACH DAYS PLACEMENT, OR 5' ON EITHER SIDE OF A STRUCTURE CASTING THAT FALLS WITHIN THE CURB LINE.

CURB EXPANSION JOINT

Village of Algonquin Specifications & Details Guide			
Drawn By: CBBEL	Revision Date 06/25/2022		
Approved By: Public Works Director	Effective Date 06/25/2022		

...\\curb expansion.dgn

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HRG PROJ CONTACT:
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

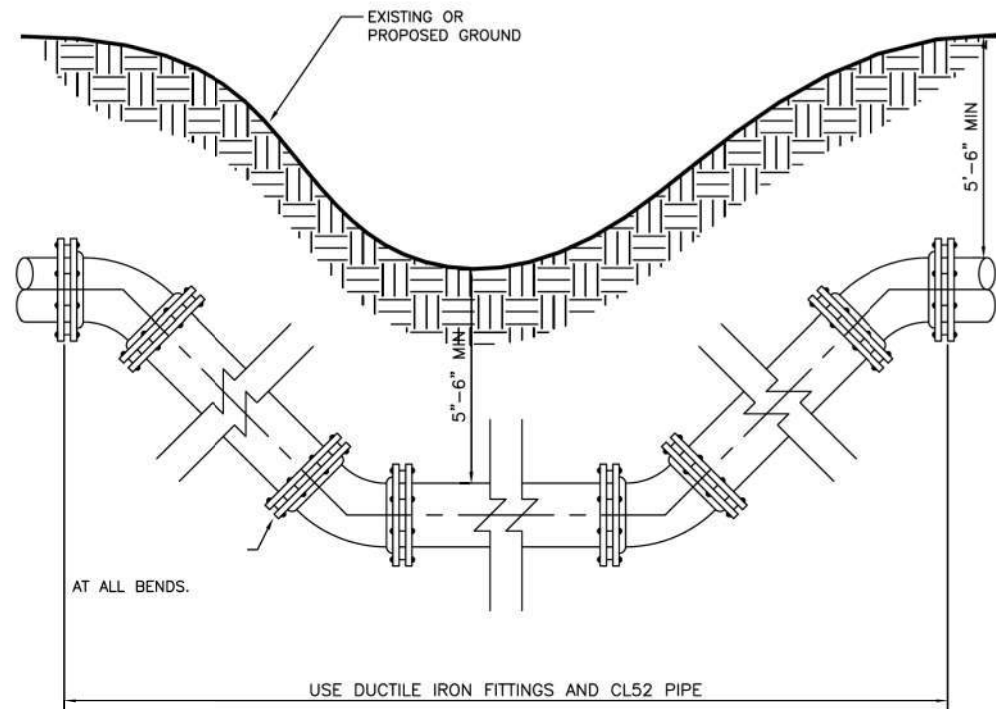
**VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET**

SCALE: NTS SHEET 3 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	91
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	



VILLAGE OF ALGONQUIN
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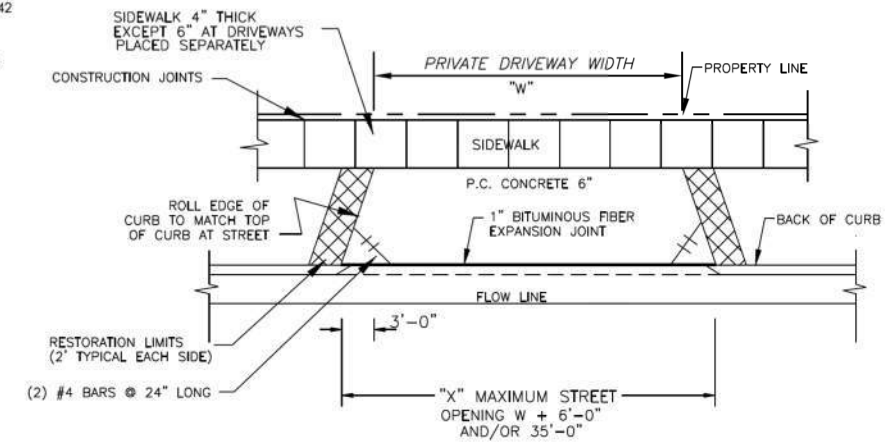
WATER MAIN LOWERING

Spec Book Date 02-13-2006

WATERMAIN LOWERING	
Village of Algonquin Specifications & Details Guide	
Drawn By: Shawn M. Hurtig	Revision Date 01/17/2005



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1. CONSTRUCTION JOINTS SHALL BE PLACED IN A UNIFORM MANNER THAT ALLOWS NO SINGLE SLAB TO BE MORE THAN A 10 FOOT BY 10 FOOT SECTION.
2. WHERE PROPOSED ENTRANCE IS FRONTED BY BARRIER CURB OR THERE IS A DESIRE TO CHANGE ANY PORTION OF THE EXISTING CURB AND GUTTER CROSS SECTION, SAID CURB AND GUTTER SHALL BE SAW CUT; TRANSITION FROM FULL TO DEPRESSED CURB SHALL BE ACCOMPLISHED IN A MINIMUM OF 1 LINEAR FOOT.
3. A MINIMUM OF 4" OF CA 6 TYPE B MUST BE PLACED AND COMPACTED PRIOR TO ANY CONCRETE POURING. THIS BASE MUST ALSO BE APPROVED BY THE FIELD ENGINEER OR INSPECTOR OF THE VILLAGE.
4. ANY DEVIATION FROM THE ABOVE DETAILED OR SPECIFIED SHALL BE ONLY WITH WRITTEN APPROVAL OF THE PUBLIC WORKS DIRECTOR
5. APRON IS TO BE PLACED SEPARATELY FROM SIDEWALK & CURB

RESIDENTIAL APRON	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 4/8/2015
Approved By: Shawn M. Hurtig	Effective Date 05/01/2015

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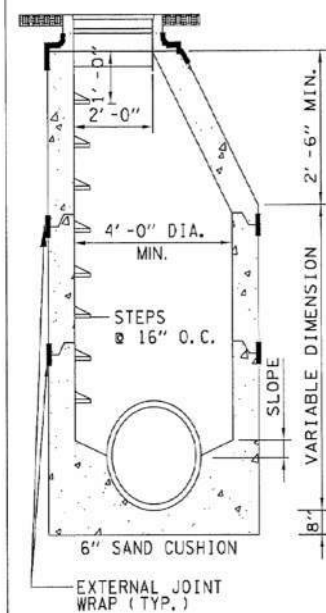
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET

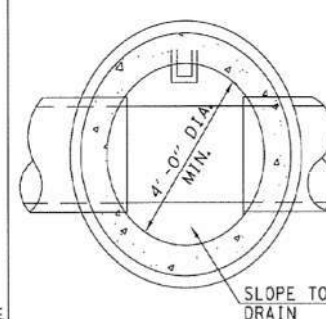
SCALE: NTS SHEET 4 OF 12 SHEETS STA. TO STA.

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• 4003, 4004	17-00092-00-PV	MCHENRY	123	92
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

VILLAGE OF ALGONQUIN
 PUBLIC WORKS DEPARTMENT
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PROFILE VIEW



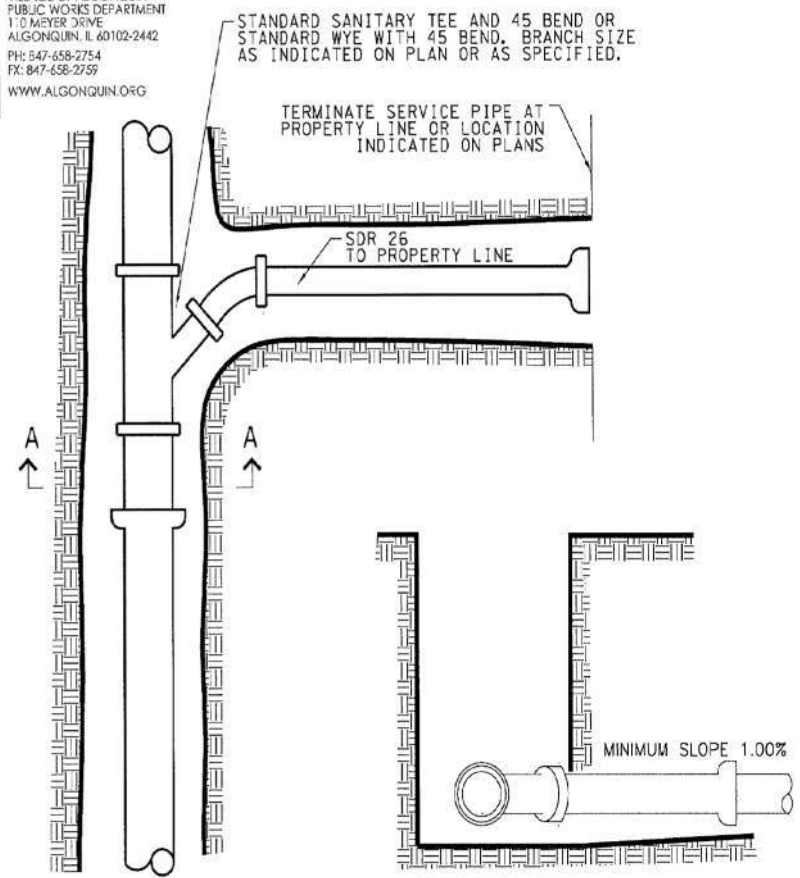
PLAN VIEW

- NOTES:
- STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5" FOR 4'-0" INSIDE DIAMETER AND 6" FOR 5'-0" INSIDE DIAMETER STRUCTURES.
 - STRUCTURES SHALL BE 4'-0" INSIDE DIAMETER FOR MAIN SEWER 18" DIAMETER AND LESS, AND STRUCTURE DEPTH OF 20' OR LESS. STRUCTURES SHALL BE 5'-0" INSIDE DIAMETER FOR MAIN SEWER 21" DIAMETER AND LARGER, AND STRUCTURE DEPTH MORE THAN 20'.
 - STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
 - ALL EXTERIOR SURFACES OF STRUCTURE SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.
 - ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
 - STRUCTURE STEPS SHALL BE MADE OF STEEL REINFORCED PLASTIC USING AN APPROVED PLASTIC MEETING ASTM D4101, TYPE 11, GRADE 49108, OVER #3 GRADE 60, ASTM A615 REINFORCING BAR. STEPS SHALL BE AT 16" CENTERS. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
 - STRUCTURE LID SHALL HAVE A 1" CONCEALED PICKHOLE AND HAVE THE WORD "SANITARY" AND VILLAGE LOGO CAST INTO IT.
 - THE RIM ELEVATION FOR STRUCTURES WITHIN THE FLOODPLAIN MUST BE SET 24" ABOVE THE BASE FLOOD ELEVATION. FRAME AND LID MUST BE WATER-TIGHT LOCK DOWN.
 - PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS AND FLEXIBLE MANHOLE COUPLINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE -CORED OPENINGS AND FLEXIBLE MANHOLE COUPLINGS.
 - SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

SANITARY MANHOLE	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

A FOUR INCH PRECAST RING SHALL BE FACTORY INSTALLED ON ALL FLATOP STRUCTURES

VILLAGE OF ALGONQUIN
 PUBLIC WORKS DEPARTMENT
 110 MEYER DRIVE
 ALGONQUIN, IL 60102-2442
 PH: 847-658-2754
 FX: 847-658-2759
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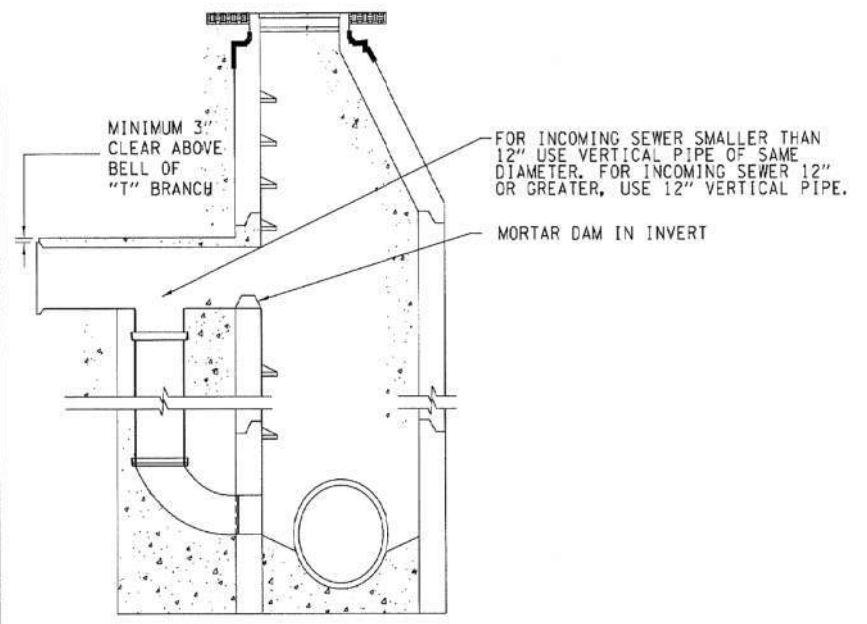
SECTION A-A

MINIMUM 4" APPROVED, COMPACTED GRANULAR BEDDING AND BACKFILL 12" ABOVE SERVICE LINE

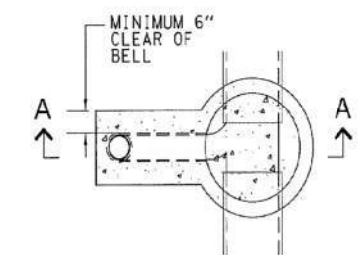
- NOTES:
- TEE OR WYE FITTING SHALL BE ROTATED UP FROM HORIZONTAL PLANE TO PROVIDE 1/2" MINIMUM SLOPE FOR SERVICE LINE.
 - END PIPE OF SERVICE LINE SHALL BE SEALED WITH A WATERTIGHT STOPPER SECURED WITH A WOODEN 4x4 POST; TOP OF POST SHALL EXTEND ABOVE FINISHED GRADE WITH UPPER 12" PAINTED GREEN.
 - PIPE SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH VILLAGE OF ALGONQUIN STANDARD DETAIL FOR TRENCH SECTIONS.
 - SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

SANITARY SERVICE	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

VILLAGE OF ALGONQUIN
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 PH: 847-658-2754
 FX: 847-658-2759
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SECTION A-A



PLAN VIEW

- NOTES:
- FRAME, LID, ADJUSTING RINGS, AND STRUCTURE PER SANITARY SEWER MANHOLE DETAIL.
 - A DROP MANHOLE SHALL BE CONSTRUCTED WHEN THE INVERT OF THE INFLUENT SEWER IS 2.0 FEET OR MORE ABOVE THE OULET OR MAIN SEWER INVERT.
 - SEE APPROVED VILLAGE OF ALGONQUIN PRODUCT LIST FOR MANUFACTURER AND MODEL NUMBERS.

SANITARY DROP MANHOLE	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

A FOUR INCH PRECAST RING SHALL BE FACTORY INSTALLED ON ALL FLATOP STRUCTURES

HRG PROJECT NO: 17425
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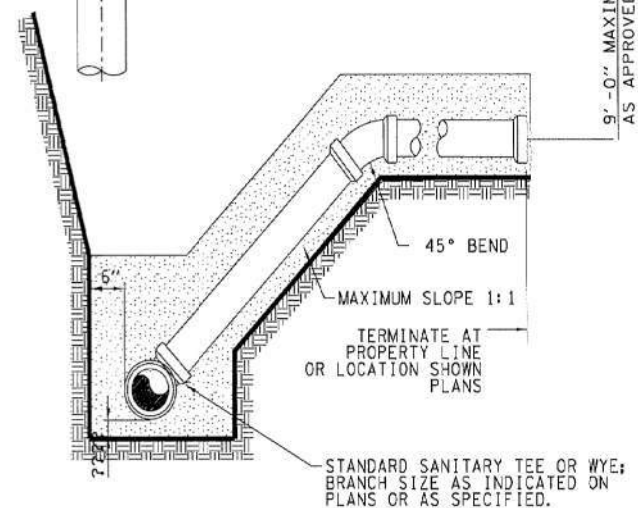
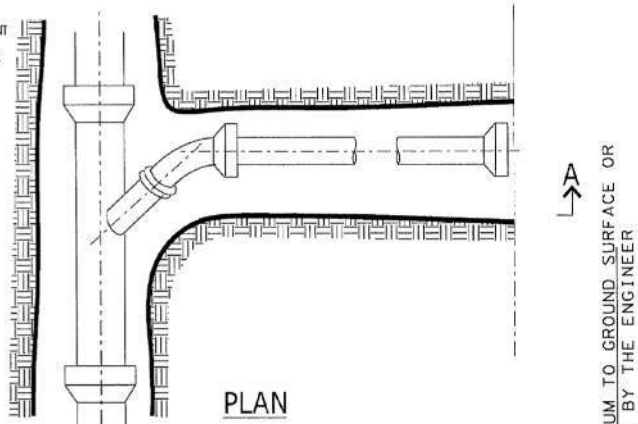
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VILLAGE OF ALGONQUIN DETAILS
 SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	93
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

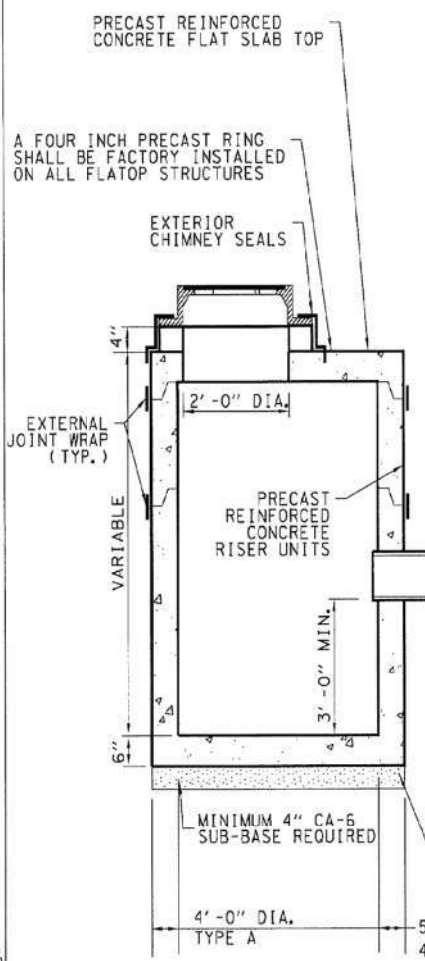
VILLAGE OF ALGONQUIN
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110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
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- NOTES:
1. TEE OR WYE FITTING SHALL BE ROTATED UP FROM HORIZONTAL PLANE TO PROVIDE 1% MINIMUM SLOPE FOR SERVICE LINE.
 2. RISERS SHALL BE CONSTRUCTED WHERE MAIN LINE SEWER INVERT IS 10" OR MORE BELOW THE GROUND SURFACE.
 3. RISER SHALL BE CONSTRUCTED OF EPOXY-LINED DUCTILE IRON PIPE TO BEYOND THE 45 DEGREE BEND IF THE SEWER MAIN IS 15" OR MORE BELOW GROUND SURFACE. NON SHEAR COUPLING THEN CAN BE USED TO JOIN THE DUCTILE IRON RISER & PYC SERVICE.
 4. END PIPE OF SERVICE LINE SHALL BE SEALED WITH A WATERTIGHT STOPPER SECURED WITH A WOODEN 4x4 POST; TOP OF POST SHALL EXTEND ABOVE FINISHED GRADE WITH UPPER 12" PAINTED GREEN.
 5. PIPE SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH VILLAGE OF ALGONQUIN STANDARD DETAIL FOR TRENCH SECTIONS.
 6. SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

SANITARY SERVICE RISER	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

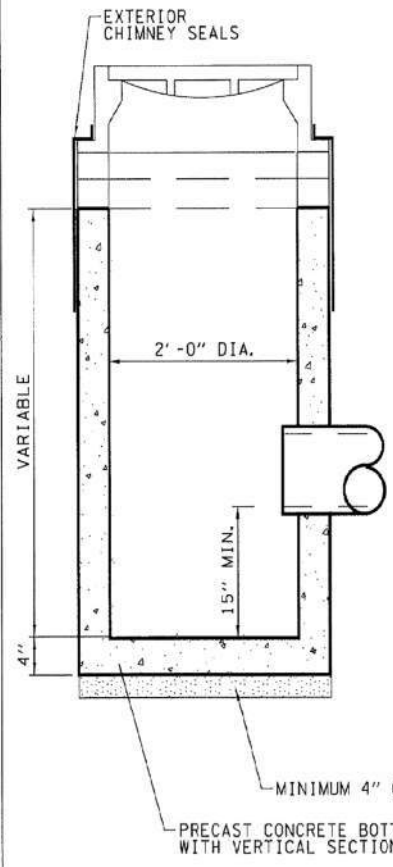
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ALGONQUIN, IL 60102-2442
PH: 847-658-2754
FX: 847-658-2759
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- NOTES:
1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 4".
 2. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
 3. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
 4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
 5. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION EXCEPT FOR CATCH BASINS IN YARD AREAS USING TYPE B FRAMES.
 6. MANUFACTURER AND MODEL NUMBER FOR FRAMES AND GRATES SHALL BE AS SPECIFIED IN THE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST.
 7. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE TUCKPOINTED.

CATCH BASIN TYPES A & B	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
FX: 847-658-2759
WWW.ALGONQUIN.ORG



- NOTES:
1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 4".
 2. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
 3. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
 4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
 5. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION EXCEPT FOR CATCH BASINS IN YARD AREAS USING TYPE B FRAMES.
 6. MANUFACTURER AND MODEL NUMBER FOR FRAMES AND GRATES SHALL BE AS SPECIFIED IN THE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST.
 7. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE TUCKPOINTED.

SPECIAL USE ONLY	
CATCH BASIN TYPE C	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

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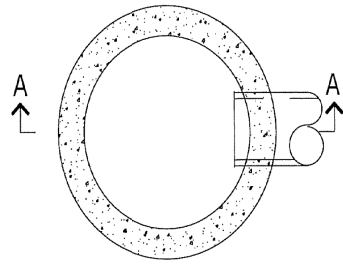
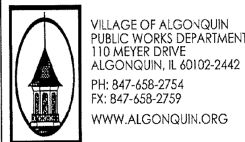


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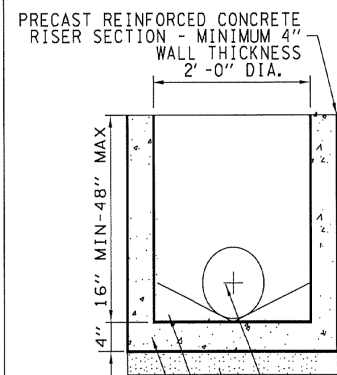
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ALGONQUIN DETAILS			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 6 OF 12 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	94
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H80	



PLAN



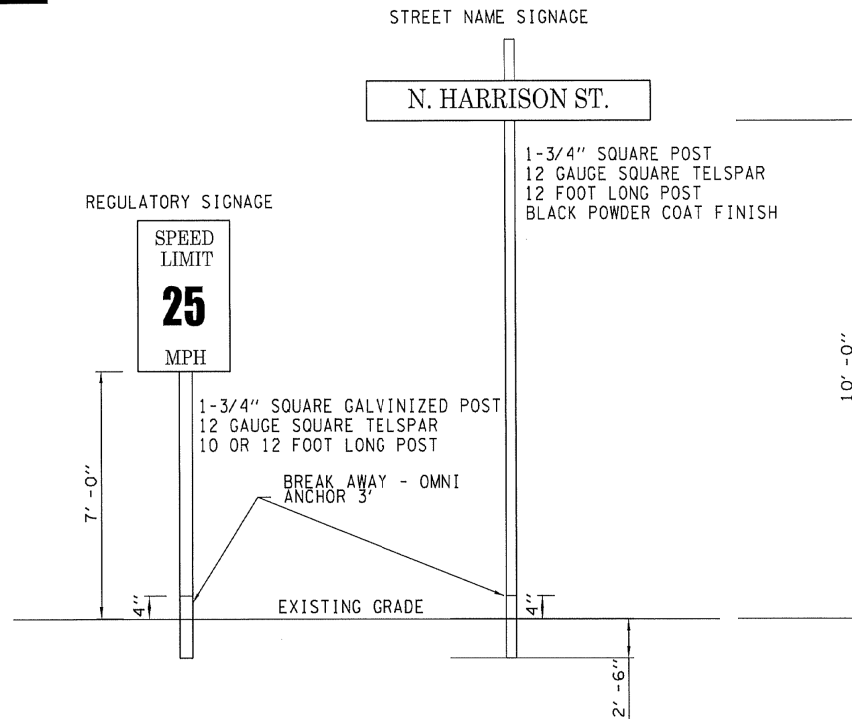
SECTION A-A

NOTES:

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 4".
2. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT, ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
3. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
4. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION EXCEPT FOR INLETS IN YARD AREAS USING TYPE 8 FRAMES.
5. MANUFACTURER AND MODEL NUMBER FOR FRAMES AND GRATES SHALL BE AS SPECIFIED IN THE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST.
6. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE TUCKPOINTED.
7. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE TUCKPOINTED.

INLET TYPE A

Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

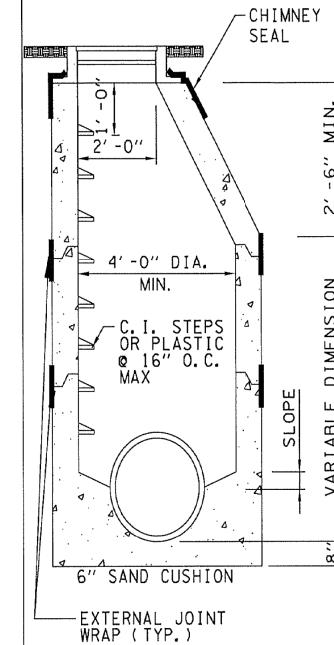


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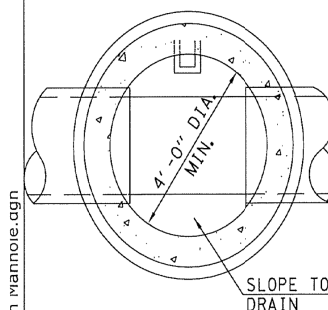
1. ALL SIGNAGE IS TO BE PLACED 3 (THREE) FEET BEHIND BACK OF CURB OR EDGE OF SHOULDER.
2. ALL SIGNS ARE TO BE FACED CORRECTLY.
3. ALL SIGNS SHALL BE CLEAN AND READABLE.
4. ALL EXISTING SIGNAGE SHALL BE INSTALLED IN SOME FASHION AT THE END OF EACH WORKING DAY.
5. ALL SIGNS SHALL MEET THE M. U. T. C. D. CODE.
6. ALL SIGNS ARE TO BE MADE OF DIAMOND GRADE REFLECTIVE SHEETING.
7. WHERE THERE IS A SHOULDER SIGN SHOULD BE 11' FROM PAVEMENT EDGE.

STREET SIGNAGE

Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022



PROFILE VIEW



PLAN VIEW

NOTES:

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5" FOR 4'-0" INSIDE DIAMETER AND 6" FOR 5'-0" INSIDE DIAMETER STRUCTURES.
2. STRUCTURES SHALL BE 4'-0" INSIDE DIAMETER FOR MAIN SEWER 18" DIAMETER AND LESS, AND STRUCTURE DEPTH OF 20' OR LESS. STRUCTURES SHALL BE 5'-0" INSIDE DIAMETER FOR MAIN SEWER 21" DIAMETER AND LARGER, AND STRUCTURE DEPTH MORE THAN 20'.
3. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
4. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
5. STRUCTURE STEPS SHALL BE MADE OF STEEL REINFORCED PLASTIC USING AN APPROVED PLASTIC MEETING ASTM D4101, TYPE 11, GRADE 49108, OVER #3 GRADE 60, ASTM A615 REINFORCING BAR. STEPS SHALL BE AT 16" CENTERS.
6. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
7. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
8. STRUCTURE WITH CLOSED LIDS SHALL HAVE A 1" CONCEALED PICKHOLE AND HAVE THE WORD "STORM" AND VILLAGE LOGO CAST INTO IT. STRUCTURES WITH OPEN LIDS SHALL BE AS PER VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST.
9. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE TUCKPOINTED.
10. SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

A FOUR INCH PRECAST RING SHALL BE FACTORY INSTALLED ON ALL FLAT TOP STRUCTURES

STORM MANHOLE

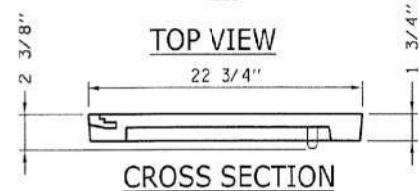
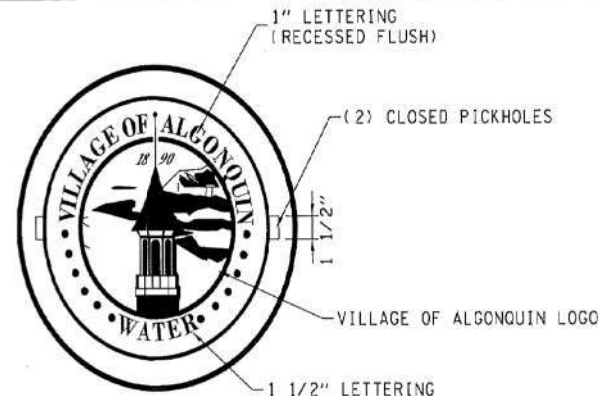
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

USER NAME = jstrzal	DESIGNED - JS	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2022	DATE -	REVISED -

VILLAGE OF ALGONQUIN DETAILS		SOUWANAS TRAIL & SCHUETT STREET	
SCALE: NTS	SHEET 7 OF 12 SHEETS	STA. TO STA.	
F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS
	17-00092-00-PV	MCHENRY	123
	4003, 4004	CONTRACT NO.	61H80
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



VILLAGE OF ALGONQUIN
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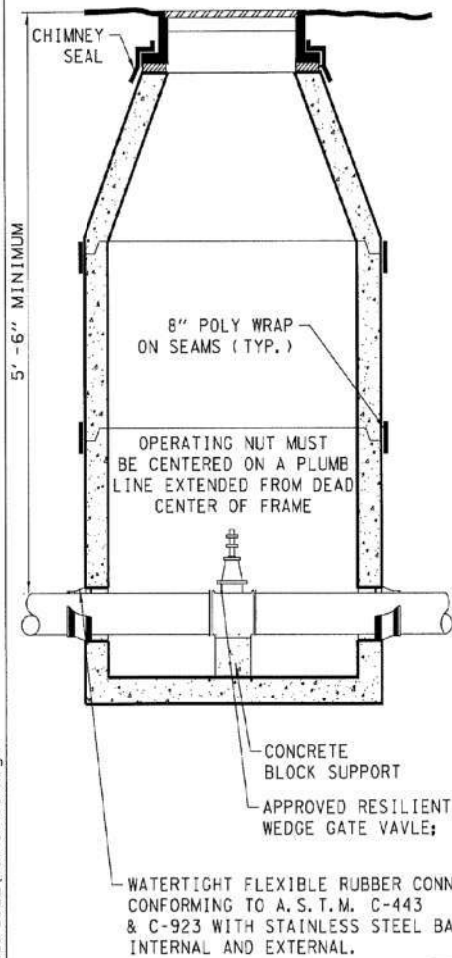
- NOTES:
- ALL LIDS SHALL HAVE SELF-SEALING GASKETS.
 - SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

MANHOLE COVER W/LOGO

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 06/25/2022
Approved By: Public Works Director Effective Date 06/25/2022



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A FOUR INCH PRECAST RING SHALL BE FACTORY INSTALLED ON ALL FLATOP STRUCTURES

VALVE AND VAULT

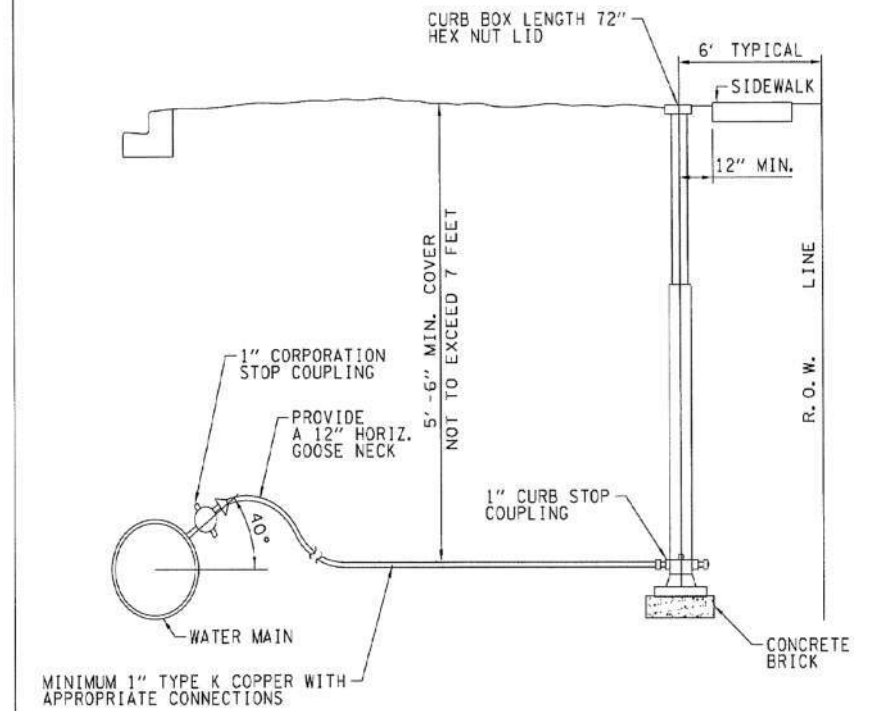
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 06/25/2022
Approved By: Public Works Director Effective Date 06/25/2022

NOTES:

- ALL VALVES MUST BE ENCLOSED IN A VAULT UNLESS OTHERWISE SPECIFIED.
- STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5" FOR 4'-0" INSIDE DIAMETER AND 6" FOR 5'-0" INSIDE DIAMETER STRUCTURES.
- STRUCTURE SHALL BE 4'-0" INSIDE DIAMETER FOR 8" VALVES AND LESS. STRUCTURE SHALL BE 5'-0" INSIDE DIAMETER FOR 10" VALVES AND LARGER.
- STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
- ALL EXTERIOR SURFACES OF STRUCTURE SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.
- ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
- OPERATING NUT OF VALVE MUST BE CENTERED ON A PLUMB LINE EXTENDED FROM CENTER OF FRAME OPENING.
- A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
- EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
- STRUCTURE LID SHALL HAVE A TWO, 1" CONCEALED PICKHOLES AND HAVE THE WORD "WATER" AND VILLAGE LOGO CAST INTO IT.
- THE RIM ELEVATION FOR STRUCTURES WITHIN THE FLOODPLAIN MUST BE SET 24" ABOVE THE BASE FLOOD ELEVATION. FRAME AND LID MUST BE WATER-TIGHT LOCK DOWN.
- PIPE PENETRATIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS AND FLEXIBLE RUBBER CONNECTORS.
- SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.



VILLAGE OF ALGONQUIN
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NOTES:

- ALL TAPS ON DUCTILE IRON PIPE (1 1/4" AND BELOW) SHALL BE DONE USING DIRECT TAP METHOD WATER SERVICE CONNECTIONS TO WATER MAINS SHALL USE THE DRILLING AND TAPPING METHOD INTO A PRESSURIZED MAIN. ALL TAPS 1 1/2" AND GREATER REQUIRE A SADDLE.
- WHERE STORM LINES ARE BETWEEN B-BOX AND HOUSE AND SHALLOWER THAN WATER SERVICE A SCHEDULE 40 PVC PIPE SHALL BE INSTALLED UNDER STORM LINE
- IF CURB BOX IS INSTALLED IN PAVEMENT AREAS USE TRAFFIC RATED (B-BOX COVER)
- SEE APPROVED VILLAGE OF ALGONQUIN PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.
- LOCATION OF B-BOX IS TO FOLLOW THE PLAN & PROFILE ENGINEERING PRINT.

DOMESTIC WATER SERVICE

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 06/25/2022
Approved By: Public Works Director Effective Date 06/25/2022

HRG PROJECT NO: 17425
HRG PROJ CONTACT:
FILE NAME: 17425-SW-06+10-08.dgn
PEN TABLE: 17425-SW-06+10-08.dgn



USER NAME = dstencz
DESIGNED - JS
DRAWN - DMS
CHECKED -
PLOT DATE = 11/28/2022
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REVISIONS:
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

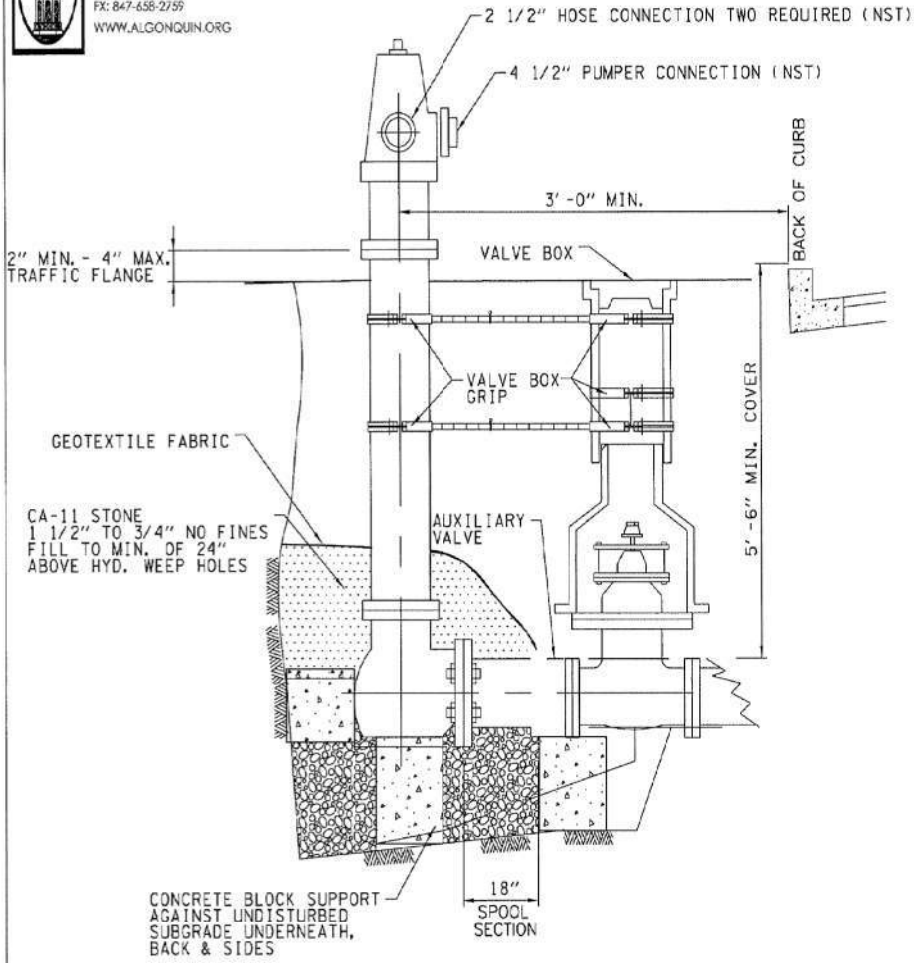
VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS

SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	96
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

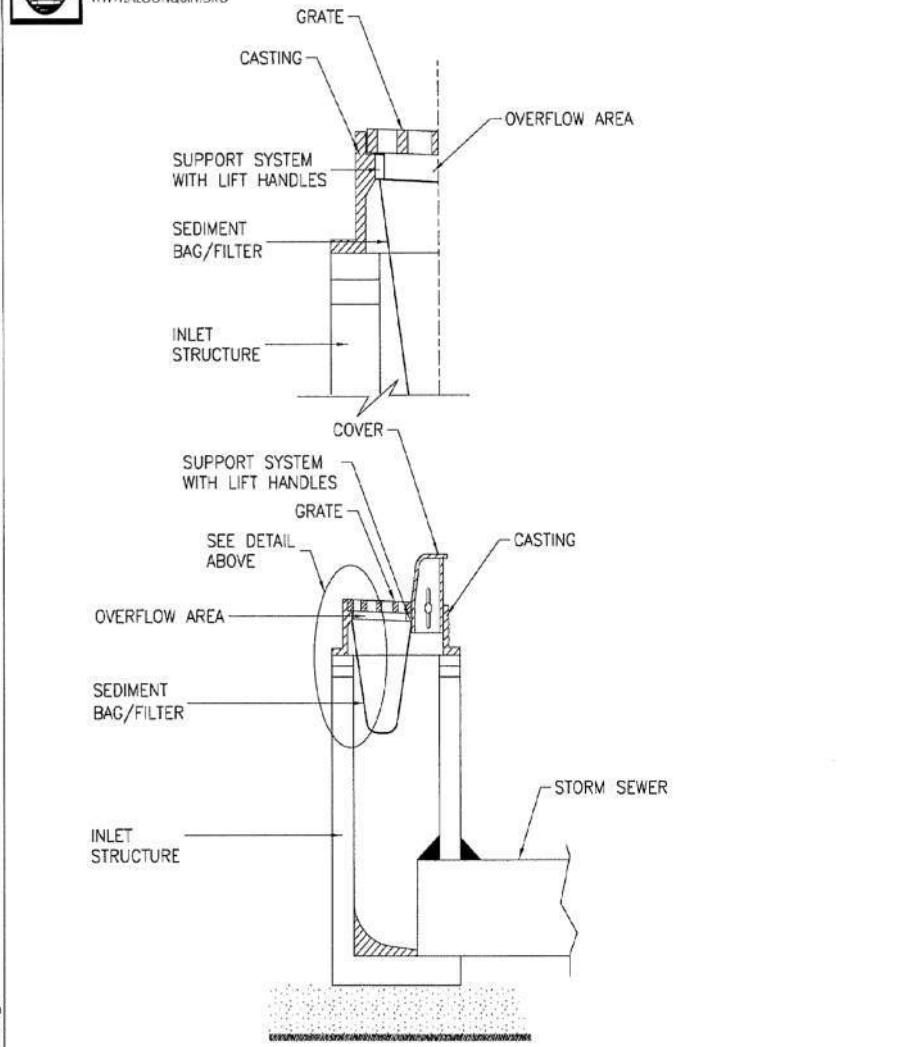
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110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
FX: 847-658-2759
WWW.ALGONQUIN.ORG



- NOTES:
1. HYDRANT SHALL HAVE FRESH COAT OF PAINT.
 2. CONCRETE THRUST BLOCKING SHALL NOT BLOCK OR OBSTRUCT WEEP HOLES.
 3. ALL FITTINGS SHALL BE RESTRAINED.
 4. SEE APPROVED VILLAGE OF ALGONQUIN PRODUCT LIST FOR MANUFACTURER AND MODEL NUMBERS.

FIRE HYDRANT	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
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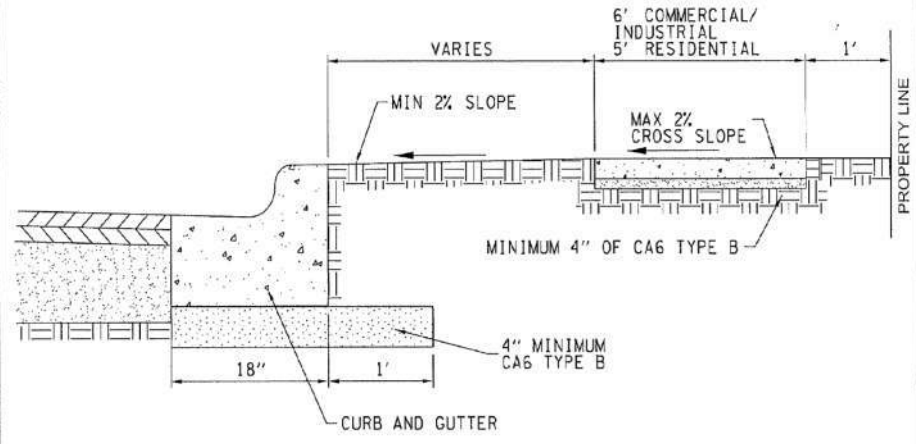
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110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
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- NOTE:
1. SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

INLET FILTER PROTECTION	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

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- NOTES:
1. THE CONCRETE SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 424 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 2. THE CONCRETE SHALL CONFORM TO SECTION 1020 CLASS PV AND SHALL BE A HAVE A 3-INCH SLUMP AND SHALL DEVELOP A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 14 DAYS.
 3. SIDEWALK SHALL BE 5" THICK (MINIMUM). THE SIDEWALK PORTION OF THE DRIVEWAY SHALL MATCH THE DEPTH OF THE DRIVEWAY AND BE POURED SEPARATELY.
 4. NO CHLORIDE ADDITIVE WILL BE PERMITTED IN THE CONCRETE.
 5. ALL SIDEWALKS MUST CONFORM TO THE AMERICANS WITH DISABILITIES ACT. THE MAXIMUM ALLOWABLE RUNNING SLOPE IS 1:20.
 6. TOOLED CONTROL JOINTS SHALL BE INSTALLED ON 5' CENTERS.
 7. FIBER EXPANSION JOINTS SHALL BE INSTALLED AT 50' CENTERS MAX AND WHERE THE SIDEWALK ABUTTS CURB OR EXISTING SIDEWALK, AND AT THE END OF EACH POUR.
 8. THE SIDEWALK SHALL HAVE A BROOM FINISH.
 9. A PROTECTIVE SURFACE TREATMENT CONSISTENT TO IDOT ARTICLE 420.21 SHALL BE APPLIED.

SIDEWALK	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

HRG PROJECT NO: 17425
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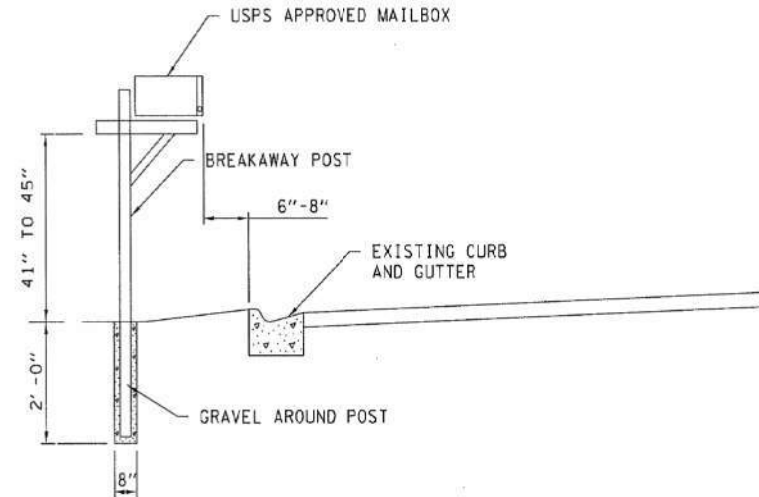
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PLOT DATE = 11/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ALGONQUIN DETAILS			
SOUWANAS TRAIL & SCHUETT STREET			
SCALE: NTS	SHEET 9 OF 12 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	97
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		

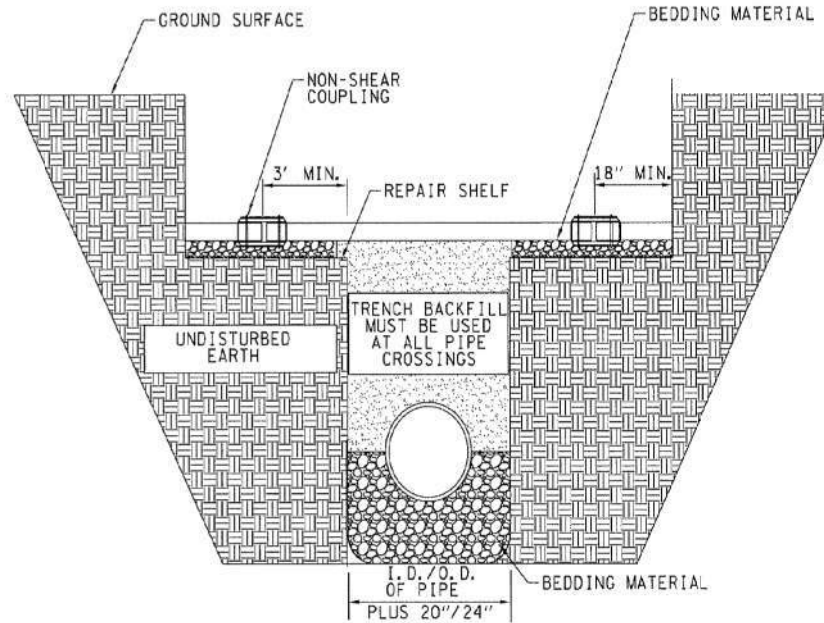
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110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
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- NOTES:
1. ADDRESS NUMBER SHALL BE CLEARLY LABELED ON MAILBOX DOOR.
 2. ALL MAILBOX POSTS AND HORIZONTAL SUPPORT ARMS SHALL BE MADE OF 4"X4" CHEMICALLY TREATED LUMBER. POSTS AND SUPPORT ARMS SHALL BE ATTACHED USING GALVANIZED SCREWS.
 3. MAILBOX POSTS SHALL NOT BE REINFORCED OR FORTIFIED SO AS TO PREVENT OR HAMPER ITS DESTRUCTION UPON BEING STRUCK BY THE VEHICLE.
 4. NO MASONRY OR STONE MAILBOX ENCLOSURES ARE ALLOWED.

DOMESTIC MAILBOX	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

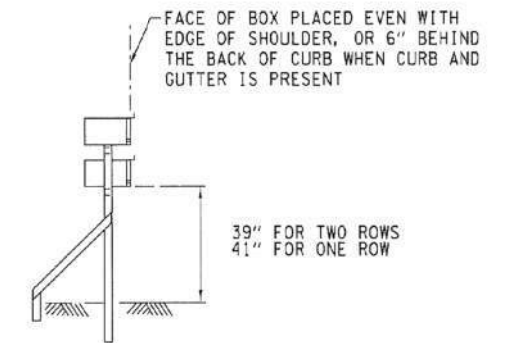
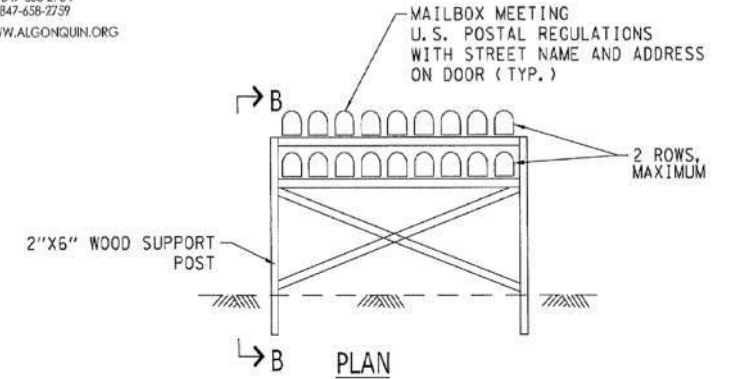
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- NOTES:
1. COUPLINGS ARE TO BE NON-SHEAR TYPE
 2. THE DISRUPTED PIPE SHALL BE REPAIRED WITH PVC SDR-26 OR IF THE DEPTH IS >15' USE EPOXY LINED DUCTILE IRON
 3. FIELD CUTS ON PIPE SHALL BE NO CLOSER THAN 18 INCHES FROM EXISTING BELL OR SPIGOT.
 4. WHEN AT ALL POSSIBLE, USE EXISTING BELL OR SPIGOT TO ELIMINATE THE USE OF (2) COUPLINGS
 5. GRADE MUST BE MAINTAINED FOR ALL GRAVITY STATUS
 6. SEE APPROVED VILLAGE OF ALGONQUIN PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

SANITARY SEWER REPAIR @ CROSSING	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-658-2754
FX: 847-658-2759
WWW.ALGONQUIN.ORG



- NOTE:
1. TEMPORARY MAILBOX SHALL BE INSTALLED AT LOCATIONS APPROVED BY THE US POSTMASTER

TEMPORARY GANG MAILBOX INSTALLATION	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

HRG PROJECT NO: 17425
 HRG PROJ CONTACT:
 FILE NAME: 17425-SN-06-10-0.dgn
 PEN TABLE: penTable.tbl

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PLOT SCALE = 8.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE = 11/28/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

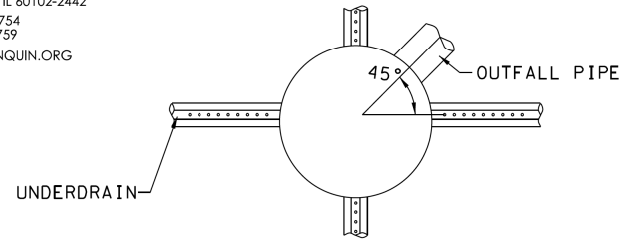
SCALE: NTS SHEET 10 OF 12 SHEETS STA. TO STA.

VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET

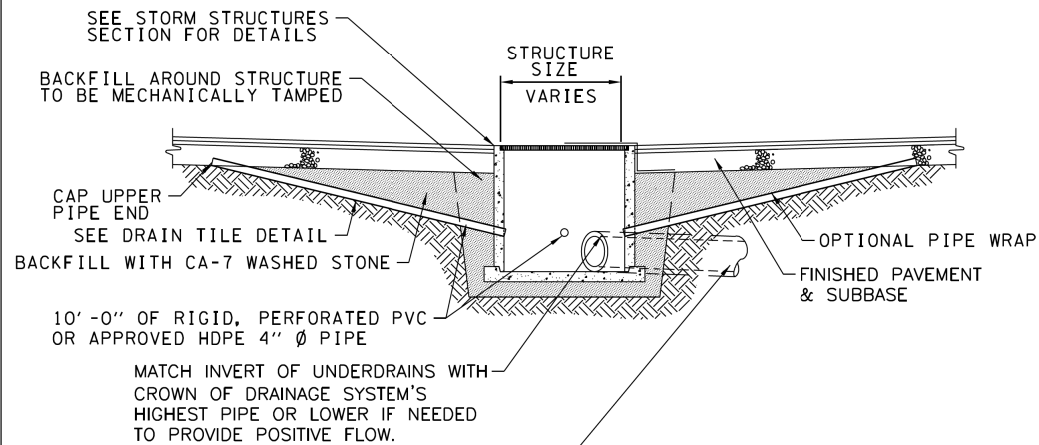
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	98
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	



VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
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WWW.ALGONQUIN.ORG



PLAN VIEW



TRENCH SECTION

10' -0" OF RIGID, PERFORATED PVC OR APPROVED HDPE 4" Ø PIPE
MATCH INVERT OF UNDERDRAINS WITH CROWN OF DRAINAGE SYSTEM'S HIGHEST PIPE OR LOWER IF NEEDED TO PROVIDE POSITIVE FLOW.

- NOTES:
- SEE APPROVED VILLAGE OF ALGONQUIN PRODUCT LIST FOR MANUFACTURER AND MODEL NUMBERS.
 - DRAIN PIPE ORIENTATION MAY BE SUBJECT TO FIELD DETERMINATION BY THE ONSITE ENGINEER INSPECTION.

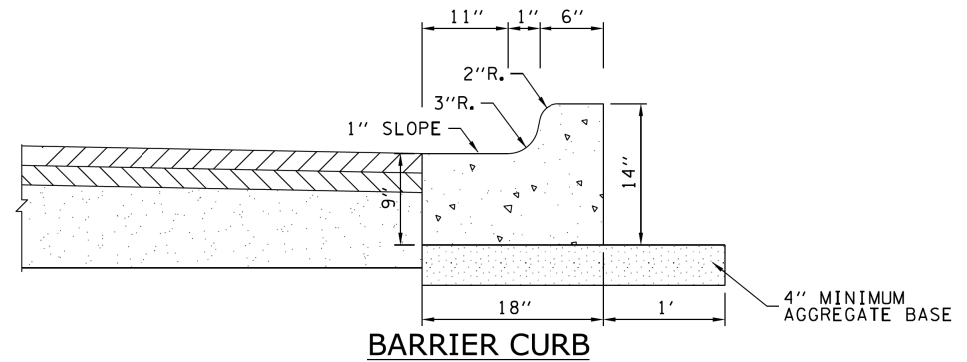
STORM STRUCTURE UNDERDRAIN	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

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...:\Storm Structure Underdrain.dgn



VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
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ALGONQUIN, IL 60102-2442
PH: 847-658-2754
FX: 847-658-2759
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BARRIER CURB

NOTES:

- EXPANSION JOINTS SHALL BE CONSTRUCTED ACCORDING TO EXPANSION JOINT DETAIL.
- CONSTRUCTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/2 THICKNESS OF CURB EVERY 10 FEET (MAXIMUM).
- CONCRETE SHALL BE IDOT CLASS PV 3500 PSI@ 14 DAYS, 3" SLUMP, 6% AIR ENTRAINED.
- PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION 420.18 AS DIRECTED BY THE VILLAGE.
- SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

B6.12 CURB & GUTTER	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022

17

...:\CAD Files 2022\B 6-12 Curb.dgn

HRG PROJECT NO: 17425
HRG PROJ CONTACT:
FILE NAME: 17425-SW-def-10-1.dgn
PEN TABLE: 17425.dwg
PEN TABLE: 17425.dwg



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	DRAWN - DMS	REVISED -
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PLOT DATE = 12/19/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

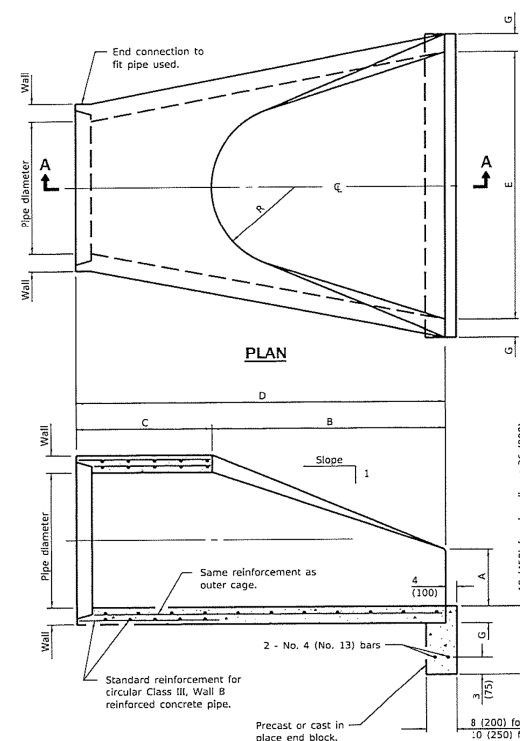
VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET

SCALE: NTS SHEET 11 OF 12 SHEETS STA. TO STA.

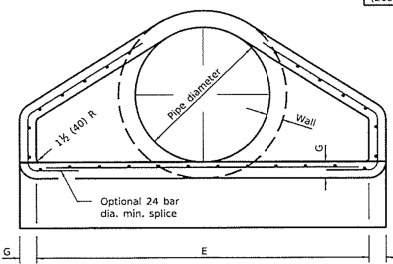
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	99
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80		



VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
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SECTION A-A



END VIEW

PIPE DIA.	APPROX. QTY. lbs. (kg)	WALL	A	B	C	D	E	G	R	APPROX. SLOPE
12 (300)	530 (240)	2 (51)	4 (102)	24 (610)	4'-0 1/2\"/>					

* Radius as furnished by manufacturer

GENERAL NOTES
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise shown.

FLARED END SECTION

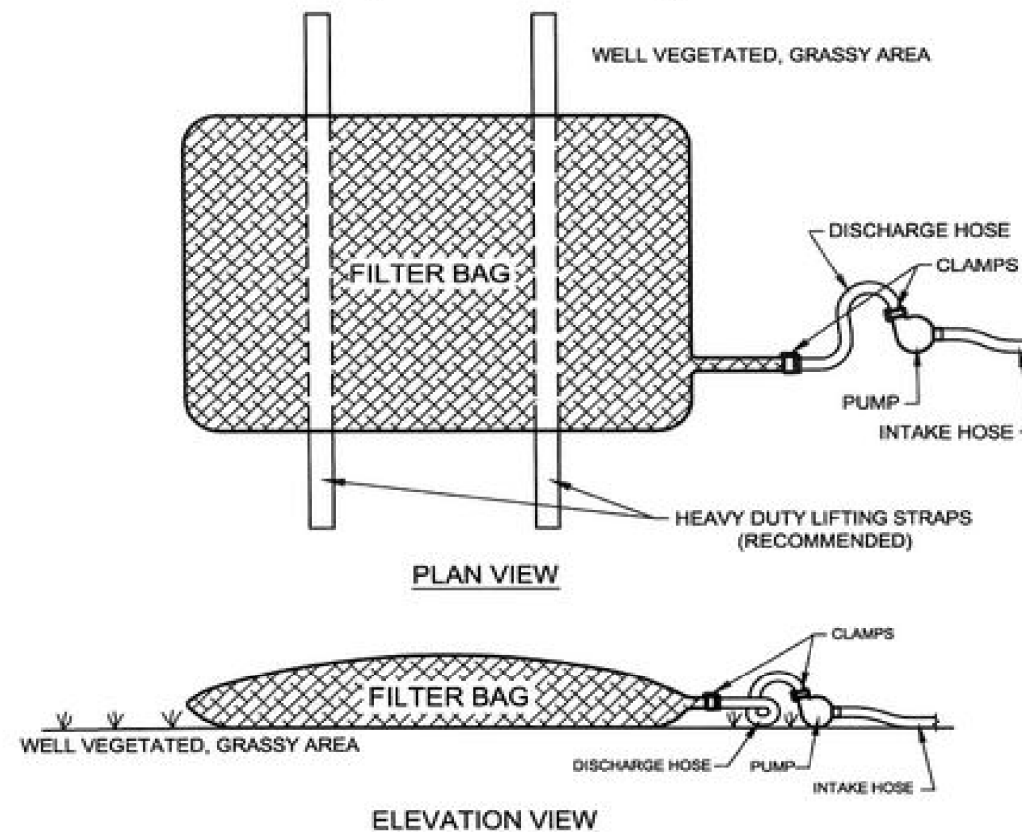
Village of Algonquin Specifications & Details Guide

Drawn By: CBBEL Revision Date 06/25/2022

Approved By: Public Works Director Effective Date 06/25/2022

- NOTES:**
- GRATINGS SHALL BE REQUIRED FOR ALL FLARED END SECTIONS, LARGER THAN 12 INCHES, EXCEPT WHEN INSTALLED AS PART OF A DRIVEWAY CULVERT.
 - SEE APPROVED VILLAGE OF ALGONQUIN PRODUCT LIST FOR MANUFACTURER AND MODEL NUMBERS.

Pumped Water Filter Bag



PLAN VIEW

ELEVATION VIEW

HRG PROJECT NO: 17425
HRG PROJ CONTACT:
FILE NAME: 17425-SW-06-10-12.dgn
PEN TABLE: 17425.tbl



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PLOT DATE = 12/19/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ALGONQUIN DETAILS
SOUWANAS TRAIL & SCHUETT STREET

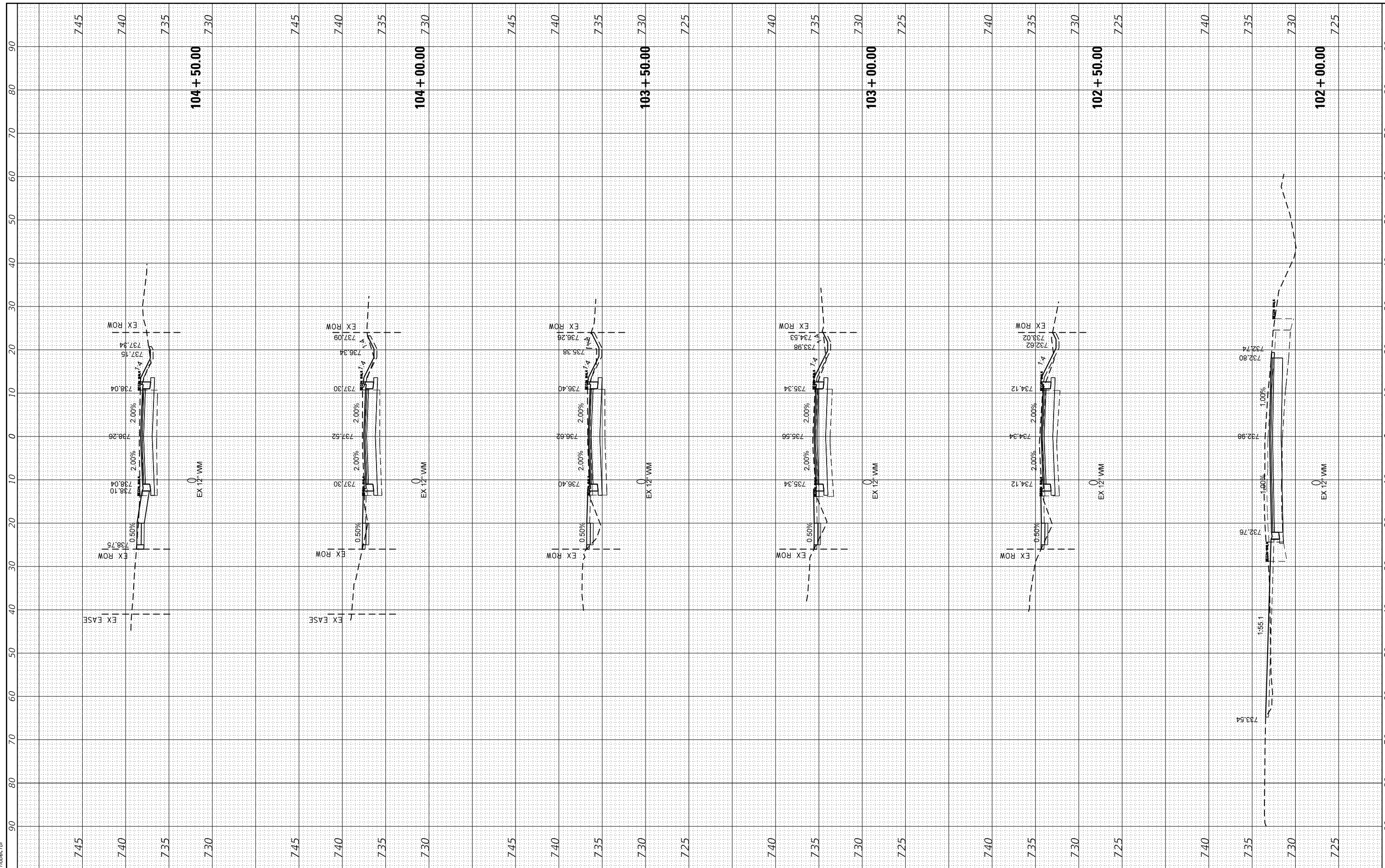
SCALE: NTS SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
• 4003, 4004	17-00092-00-PV	MCHENRY	123	100
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: il_def_dwgpcr6g
 PEN TABLE: p101tbl.tbl



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		DRAWN	- DMS	REVISED	- XX/XX/XXXX
PLOT SCALE	= 20.0000' / in.	CHECKED	-	REVISED	- XX/XX/XXXX
PLOT DATE	= 11/28/2022	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

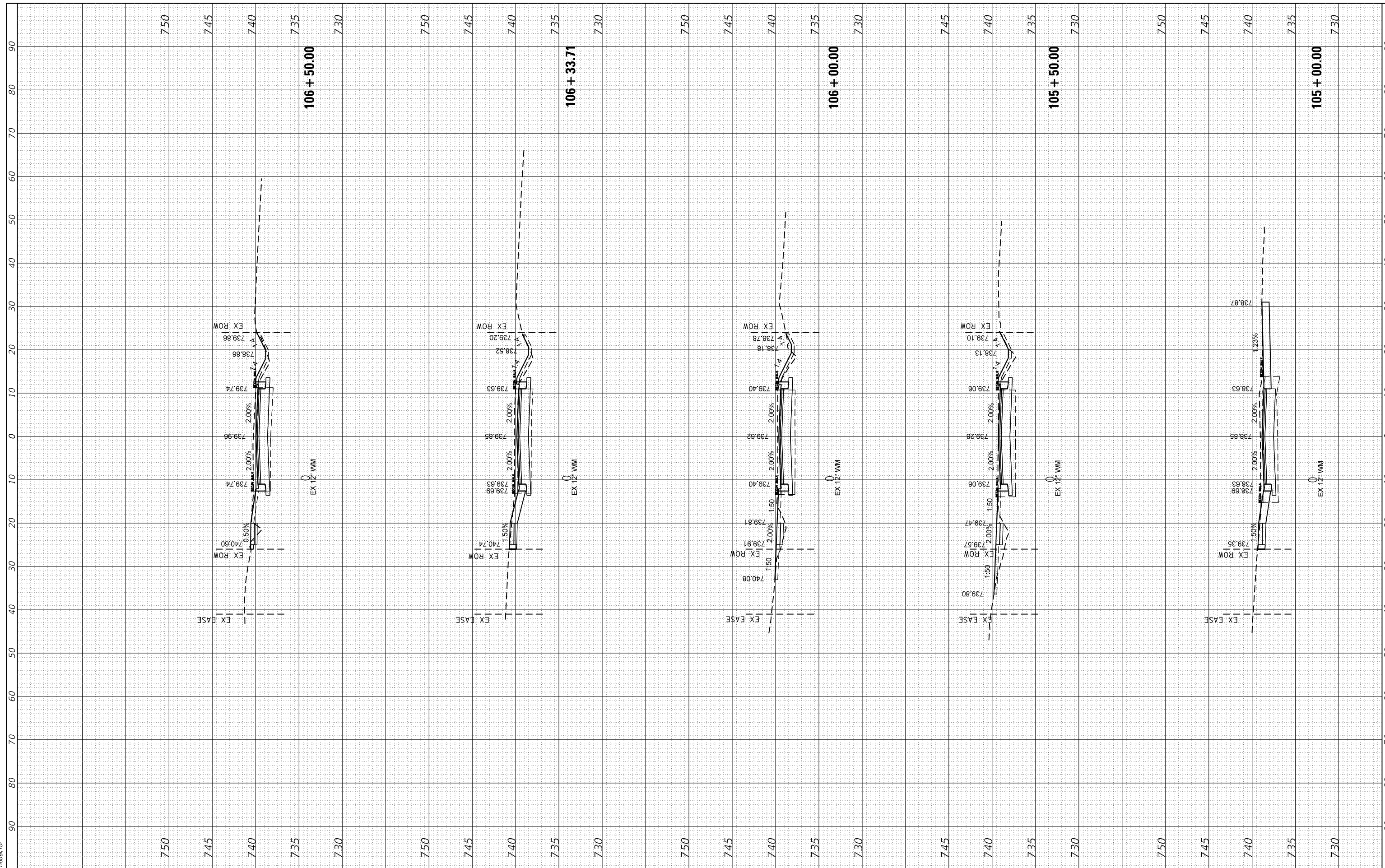
CROSS SECTIONS SOUWANAS TRAIL	
SCALE: 10H:5V	SHEET 1 OF 16 SHEETS
STA. 102+00.00 TO STA. 104+50.00	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	101
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: J:\soft\p10tbltbl.tst
 PEN TABLE: p10tbltbl.tst



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PLOT DATE	= 11/28/2022	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

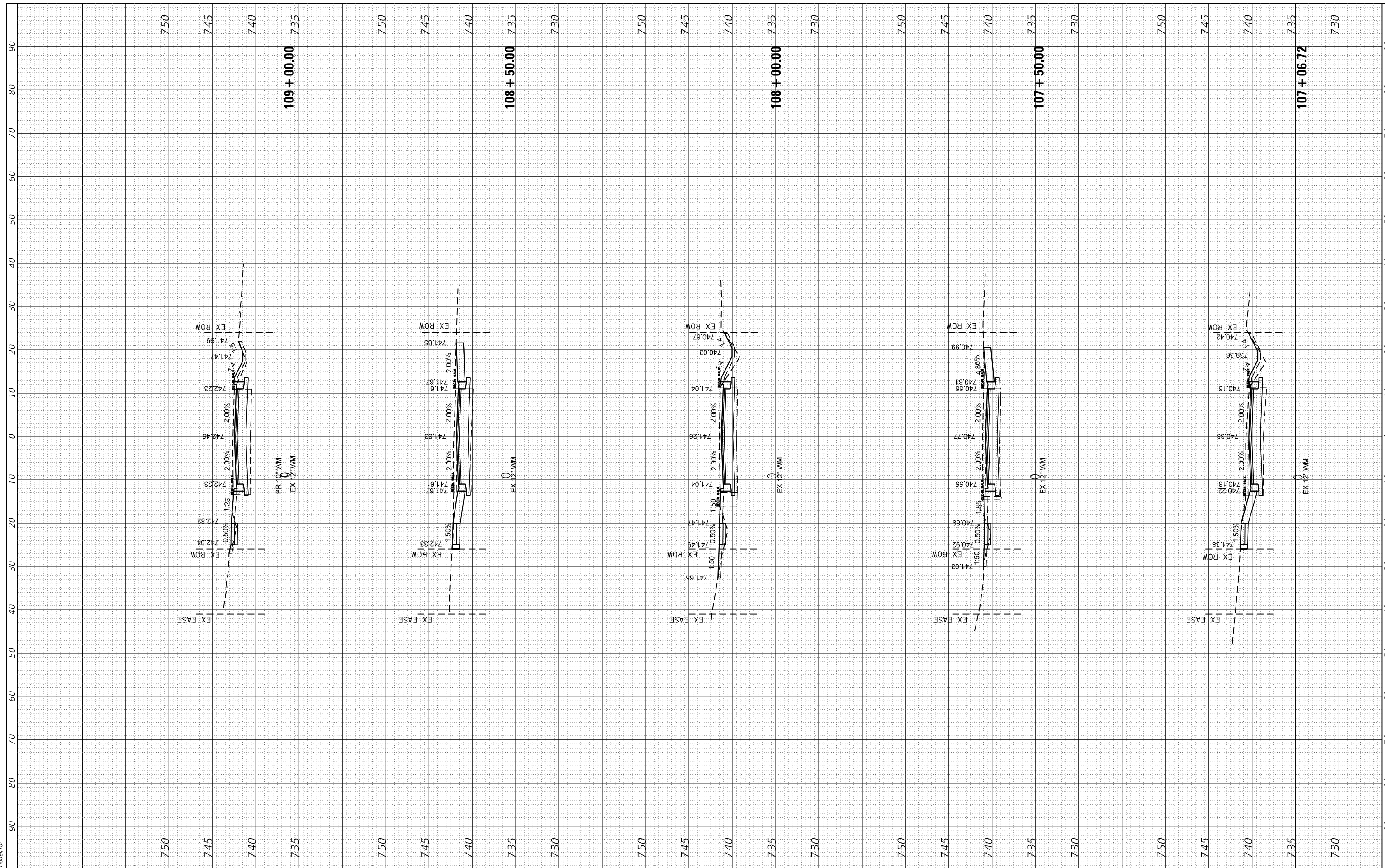
SCALE: 10H:5V SHEET 2 OF 16 SHEETS STA. 105+00.00 TO STA. 106+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	102
		CONTRACT NO. 61H80		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: il_cad_bmpcrtcg
 PEN TABLE: p101tbl.tbl



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USER NAME	- dstencz	DESIGNED	- JS	REVISED	- XX/XX/XXXX
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

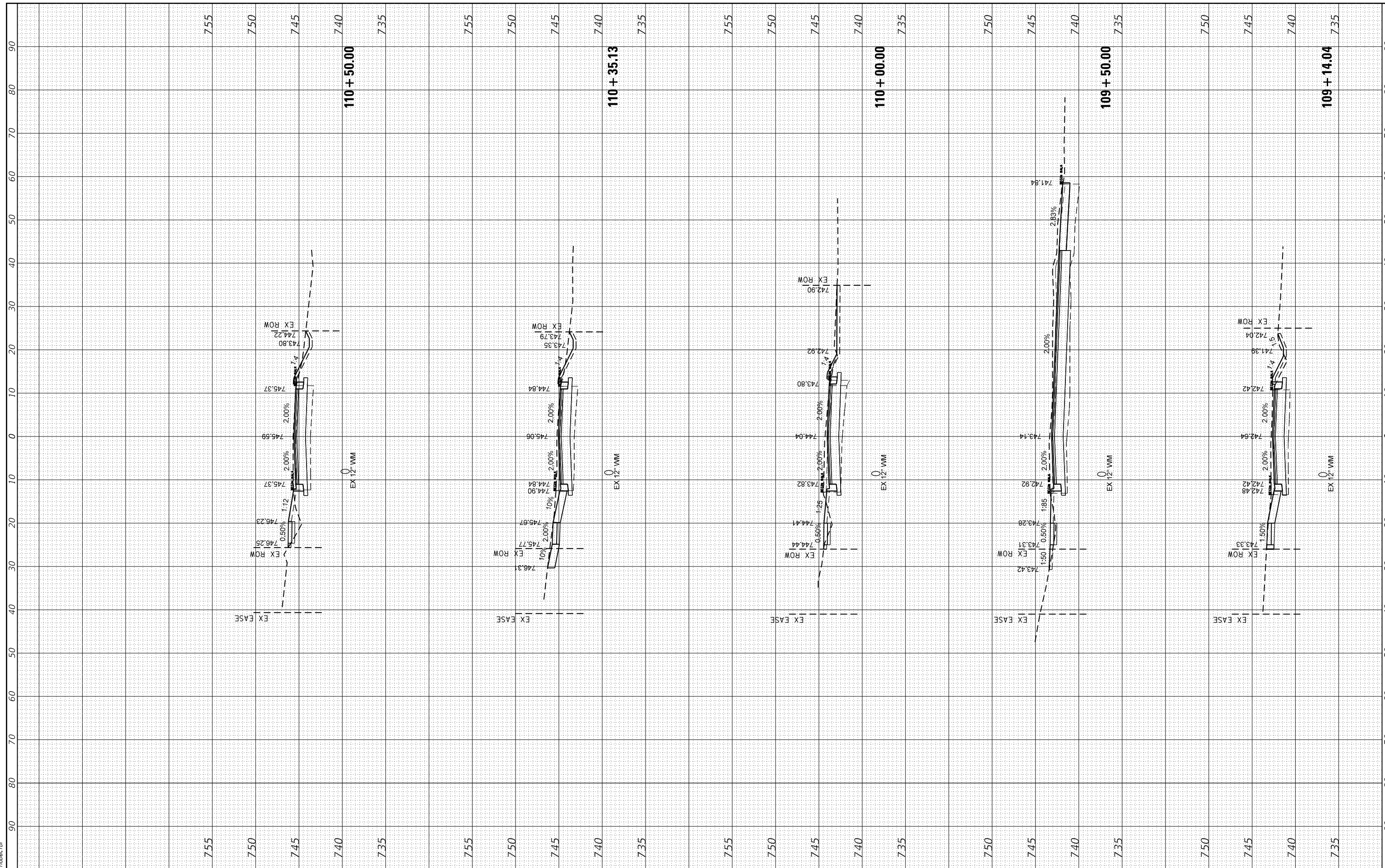
CROSS SECTIONS SOUWANAS TRAIL	
SCALE: 10H:5V	SHEET 3 OF 16 SHEETS
STA. 107+06.72 TO STA. 109+00.00	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	103
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61H80		

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

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

HRG PROJECT No: 17425
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USER NAME	- dstencz	DESIGNED	- JS	REVISED	- XX/XX/XXXX
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PLOT DATE	- 11/28/2022	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
SOUWANAS TRAIL**

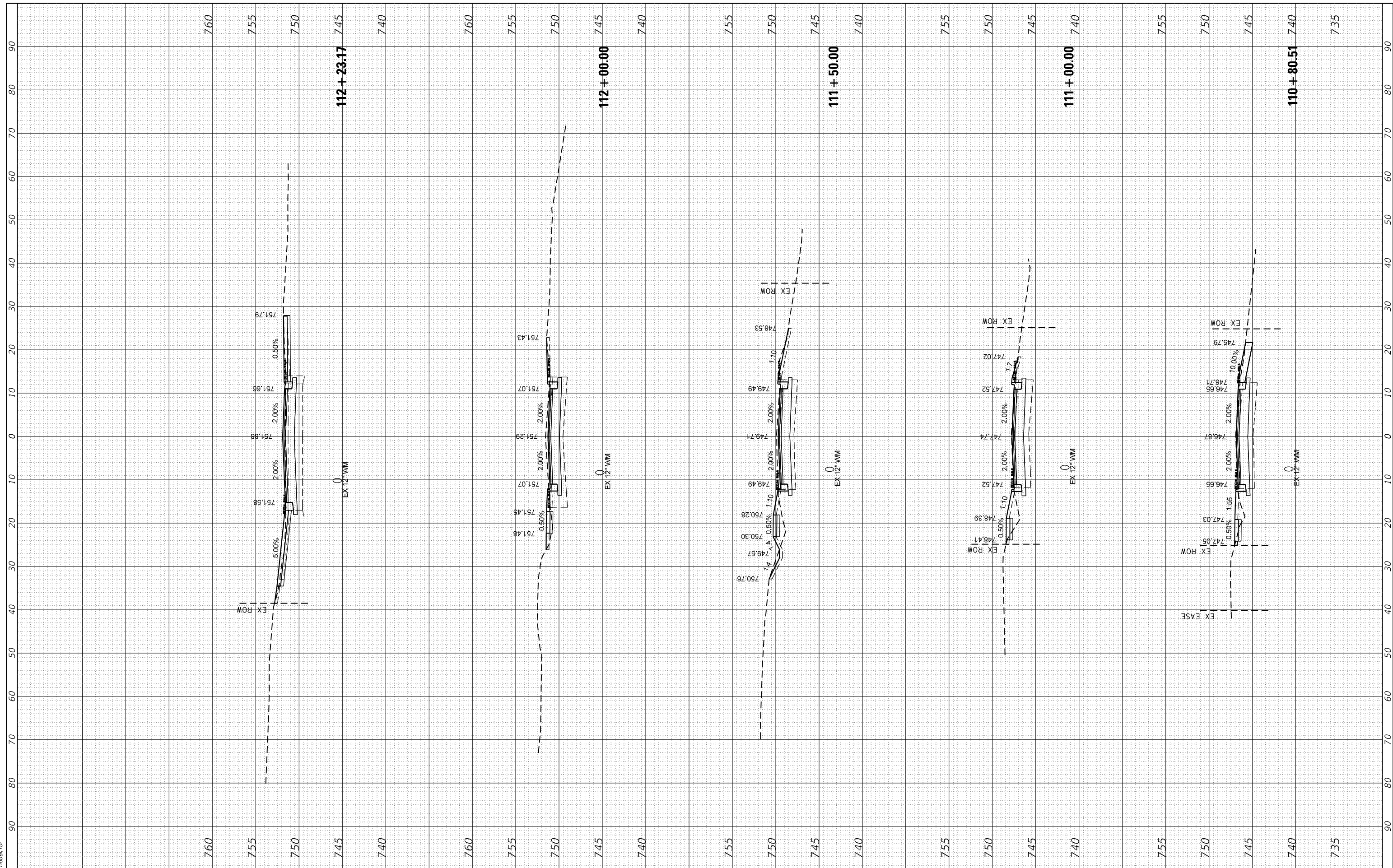
SCALE: 10H:5V SHEET 4 OF 16 SHEETS STA. 109+14.04 TO STA. 110+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	104
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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NOTE BOOK	PLOTTED		
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	CHECKED		

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

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 PLOT DRIVER: J:\soft\dwgplotcsg
 PEN TABLE: p10.tbl



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PLOT DATE	- 11/28/2022	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
SOUWANAS TRAIL**

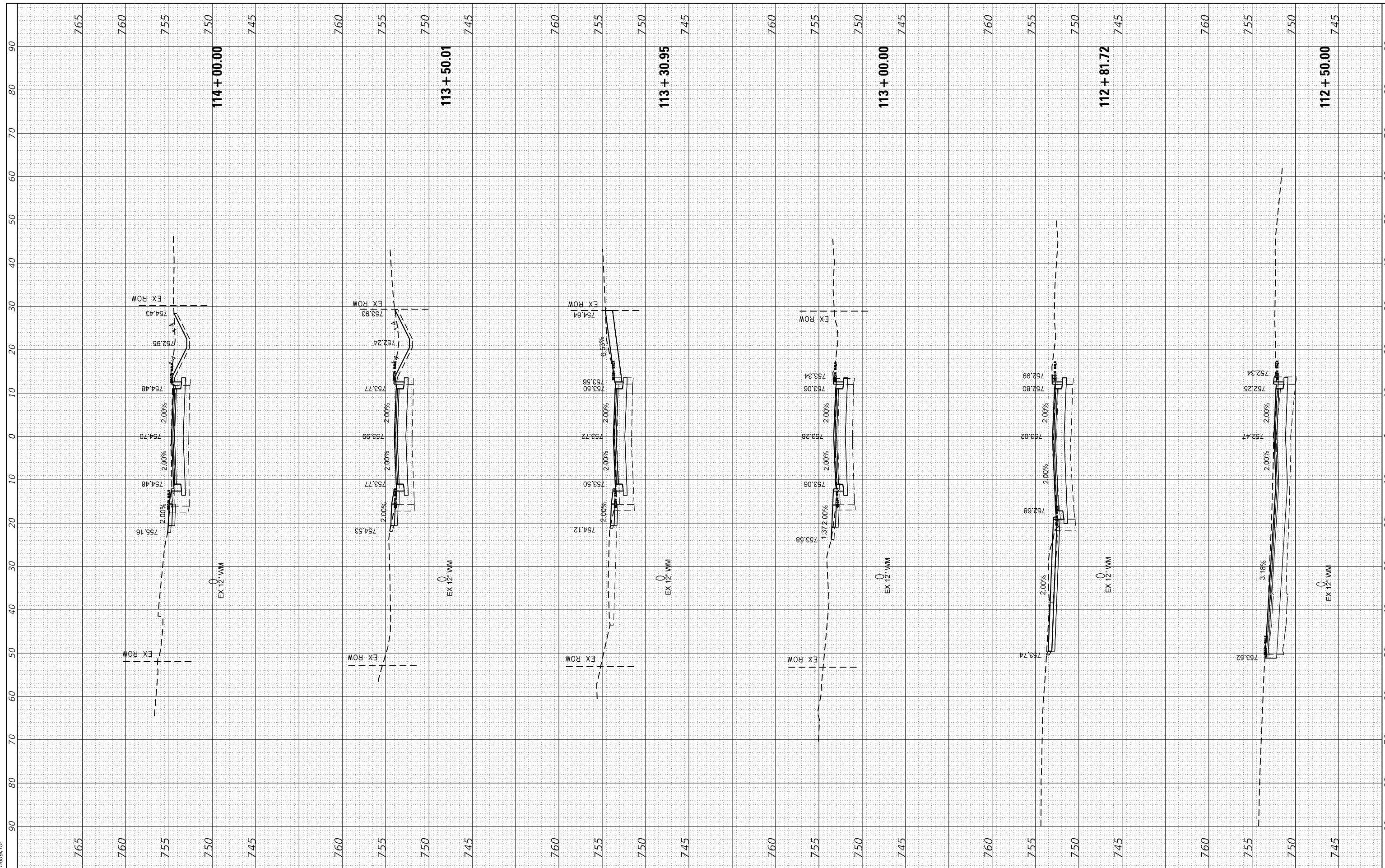
SCALE: 10H:5V SHEET 5 OF 16 SHEETS STA. 110+80.51 TO STA. 112+23.17

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	105
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: L:\app\dwg\pcr174
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PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

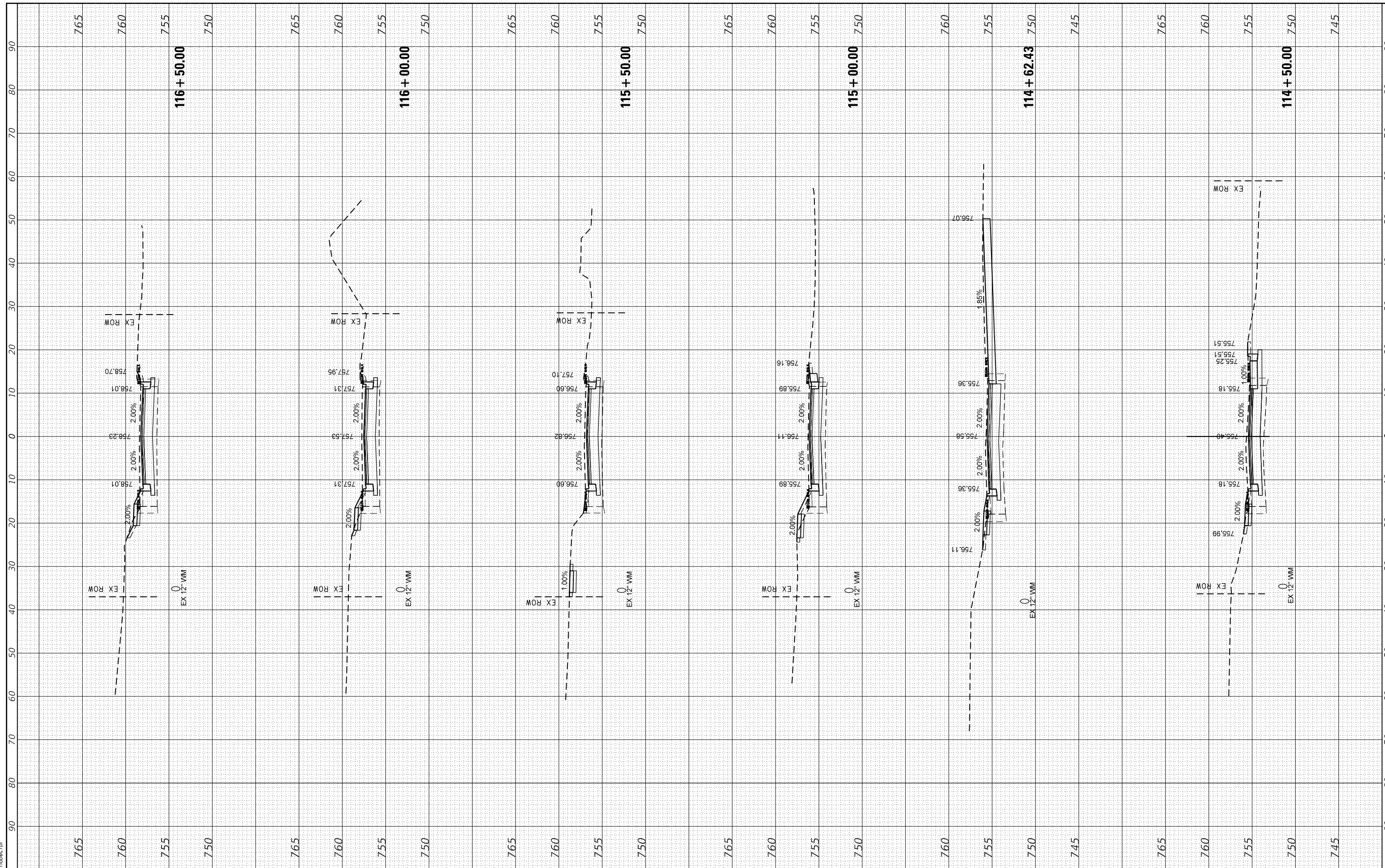
SCALE: 10H:5V SHEET 6 OF 16 SHEETS STA. 112+50.00 TO STA. 114+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	106
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: il_def_dwgpcrctg
 PEN TABLE: p10.tbl



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USER NAME = dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

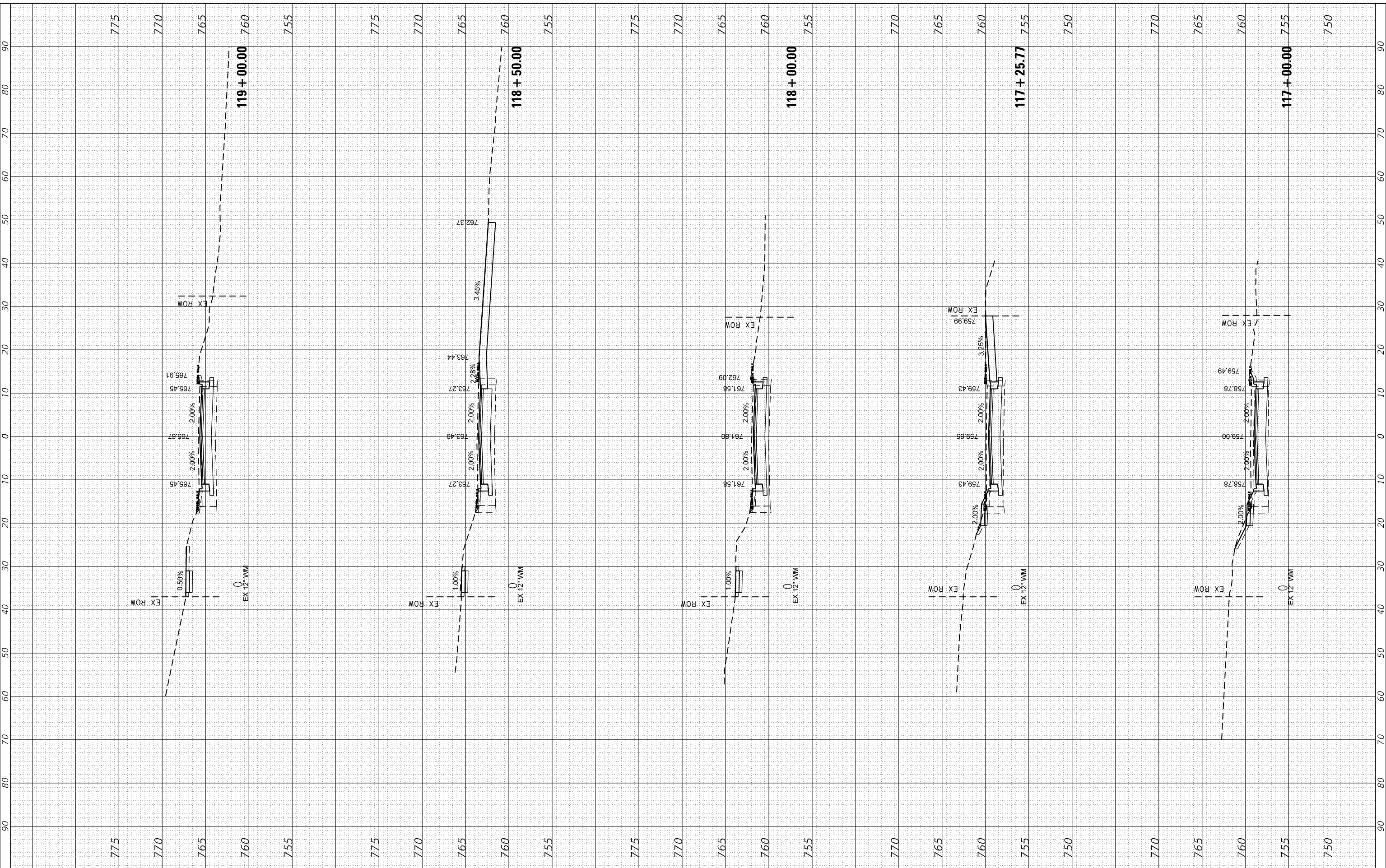
CROSS SECTIONS SOUWANAS TRAIL		
SCALE: 10H:5V	SHEET 7 OF 16 SHEETS	STA. 114+50.00 TO STA. 116+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	107
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H80	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
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HRG PROJECT No: 17425
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 PLOT DRIVER: il_def_dwgpcr1c1g
 PEN TABLE: p1010a1tbl1



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USER NAME - dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

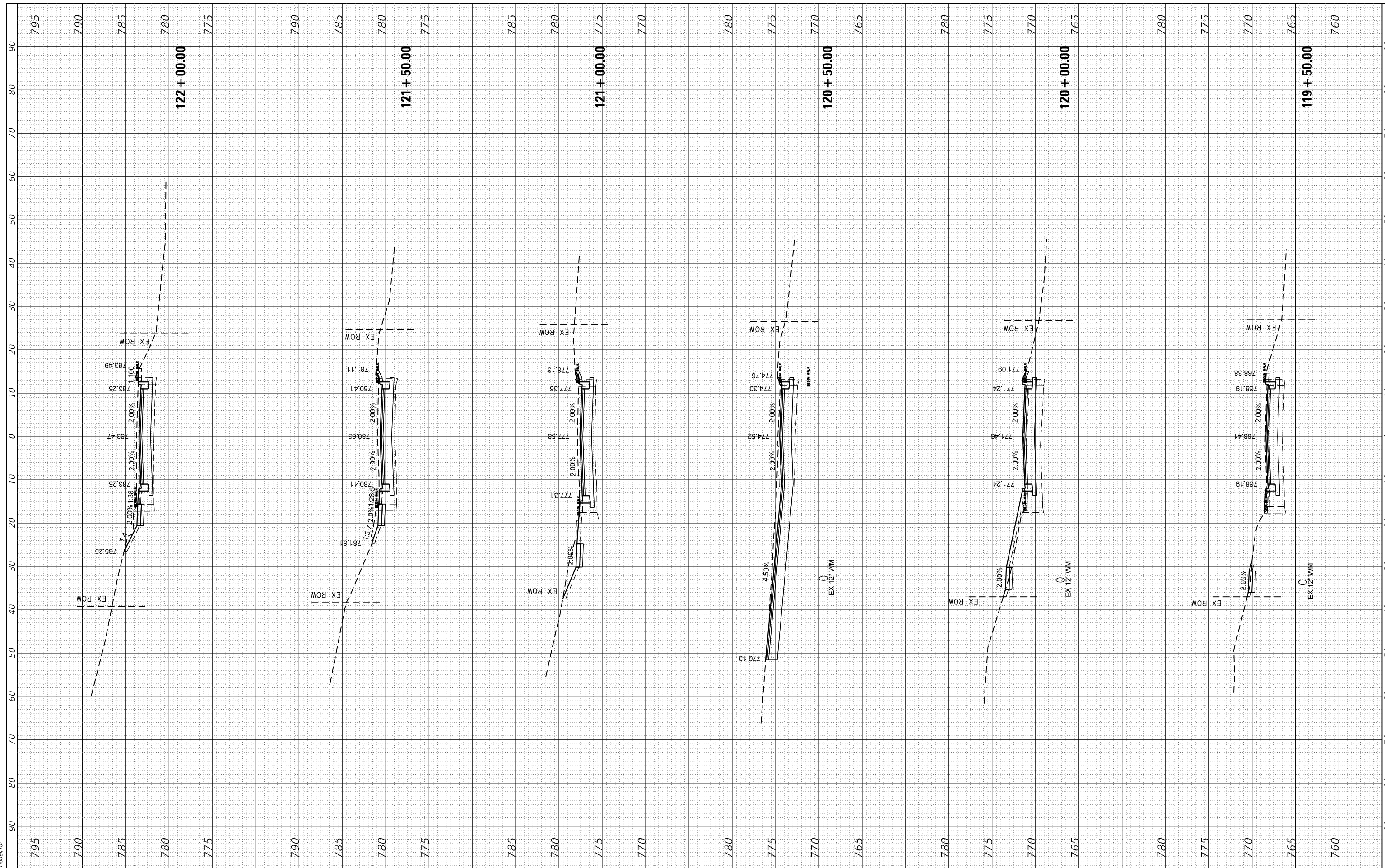
SCALE: 10H:5V SHEET 8 OF 16 SHEETS STA. 117+00.00 TO STA. 119+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	108
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
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 PEN TABLE: p10.tbl



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USER NAME = dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
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PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

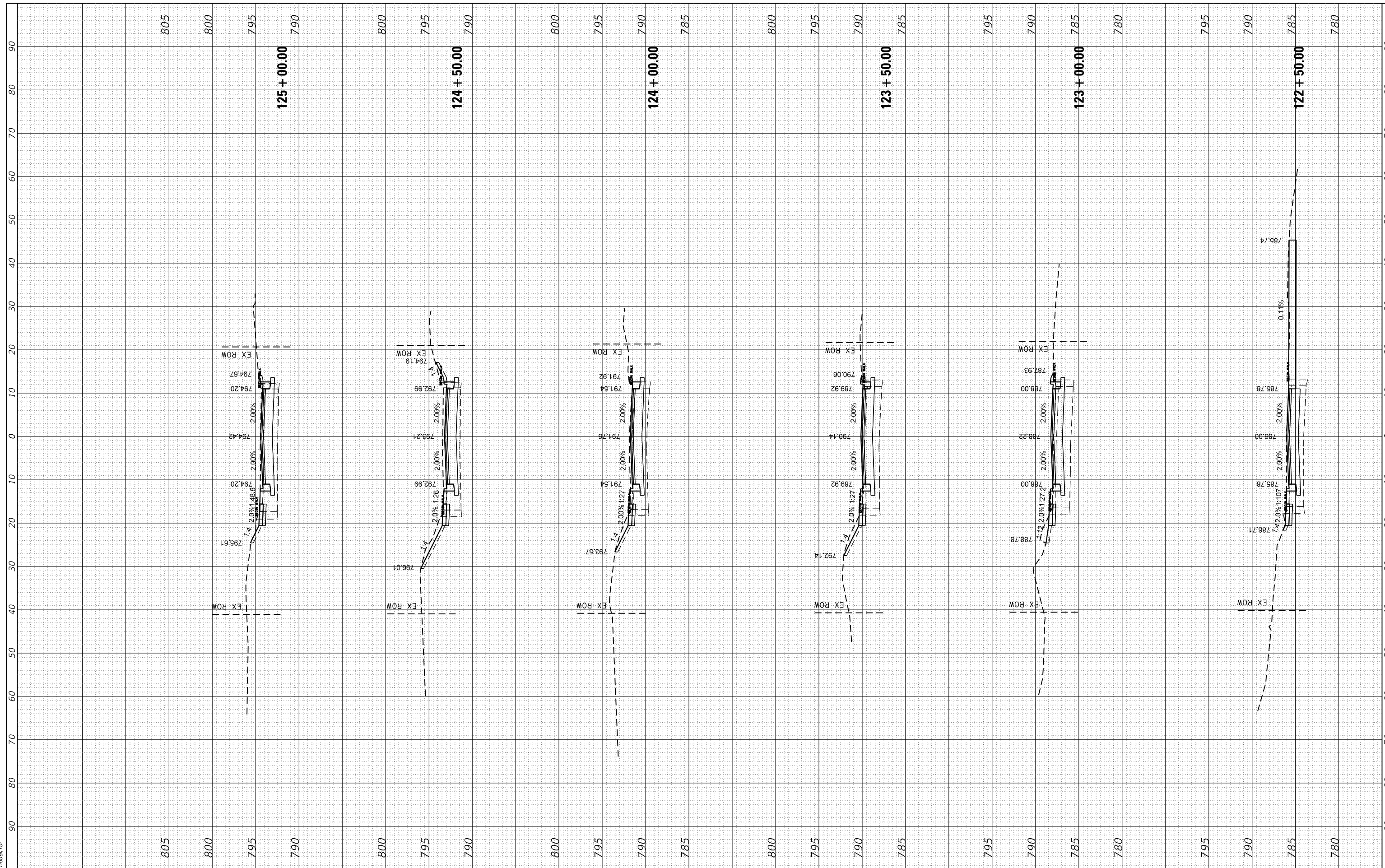
SCALE: 10H:5V SHEET 9 OF 16 SHEETS STA. 119+50.00 TO STA. 122+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	109
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 171425
 FILE NAME: 171425 - s-souwanas.dgn
 PLOT DRIVER: il_cad_bplotpcfg
 PEN TABLE: p10.tbl



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USER NAME - dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
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**CROSS SECTIONS
 SOUWANAS TRAIL**

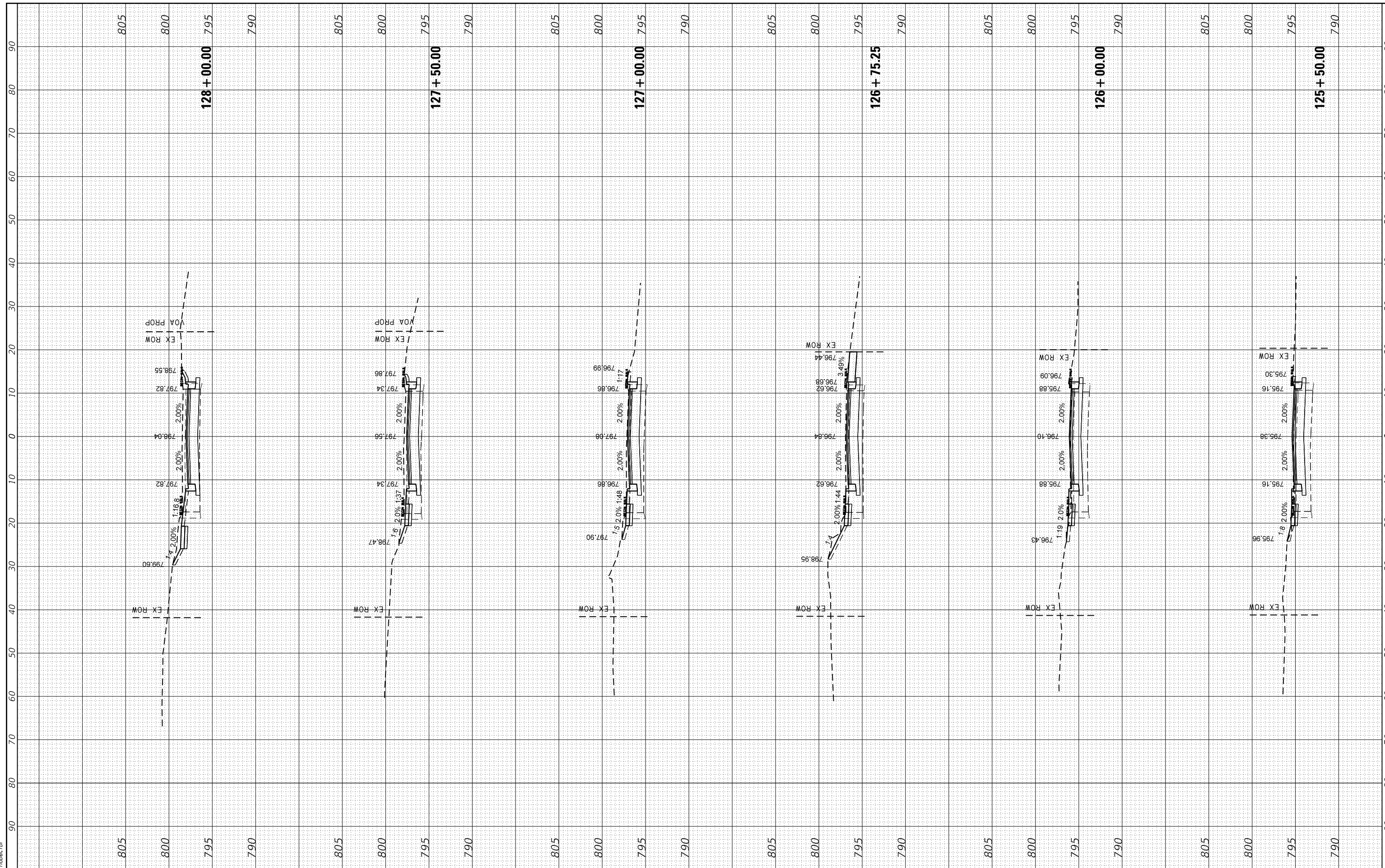
SCALE: 10H:5V SHEET 10 OF 16 SHEETS STA. 122+50.00 TO STA. 125+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	110
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
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 PEN TABLE: p10.tbl



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USER NAME = dstenz	DESIGNED - JS	REVISED - XX/XX/XXXX
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

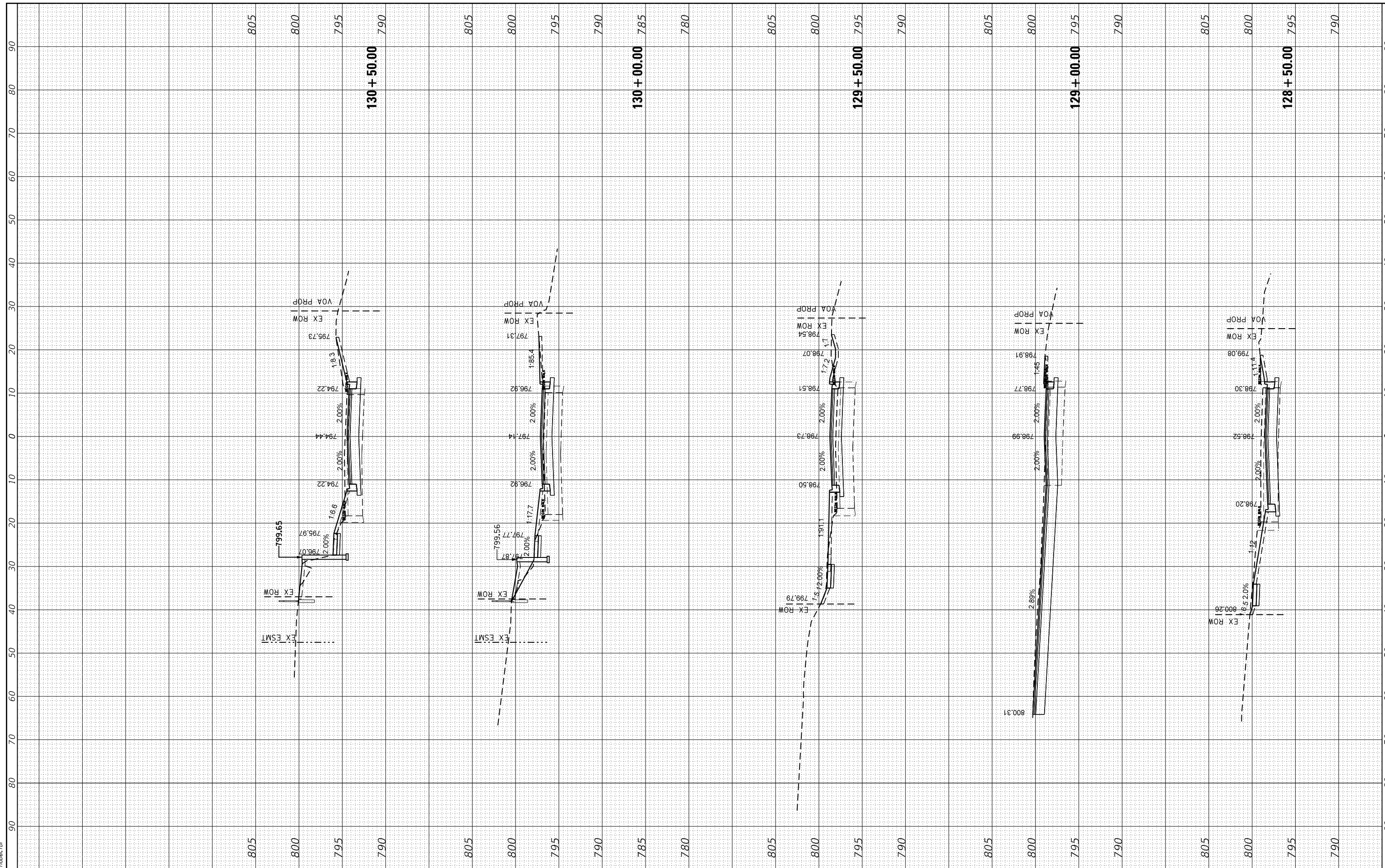
SCALE: 10H:5V SHEET 11 OF 16 SHEETS STA. 125+50.00 TO STA. 128+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	111
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: Lprf.dwt
 PEN TABLE: p10.tbl



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 #184-001322

USER NAME = dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

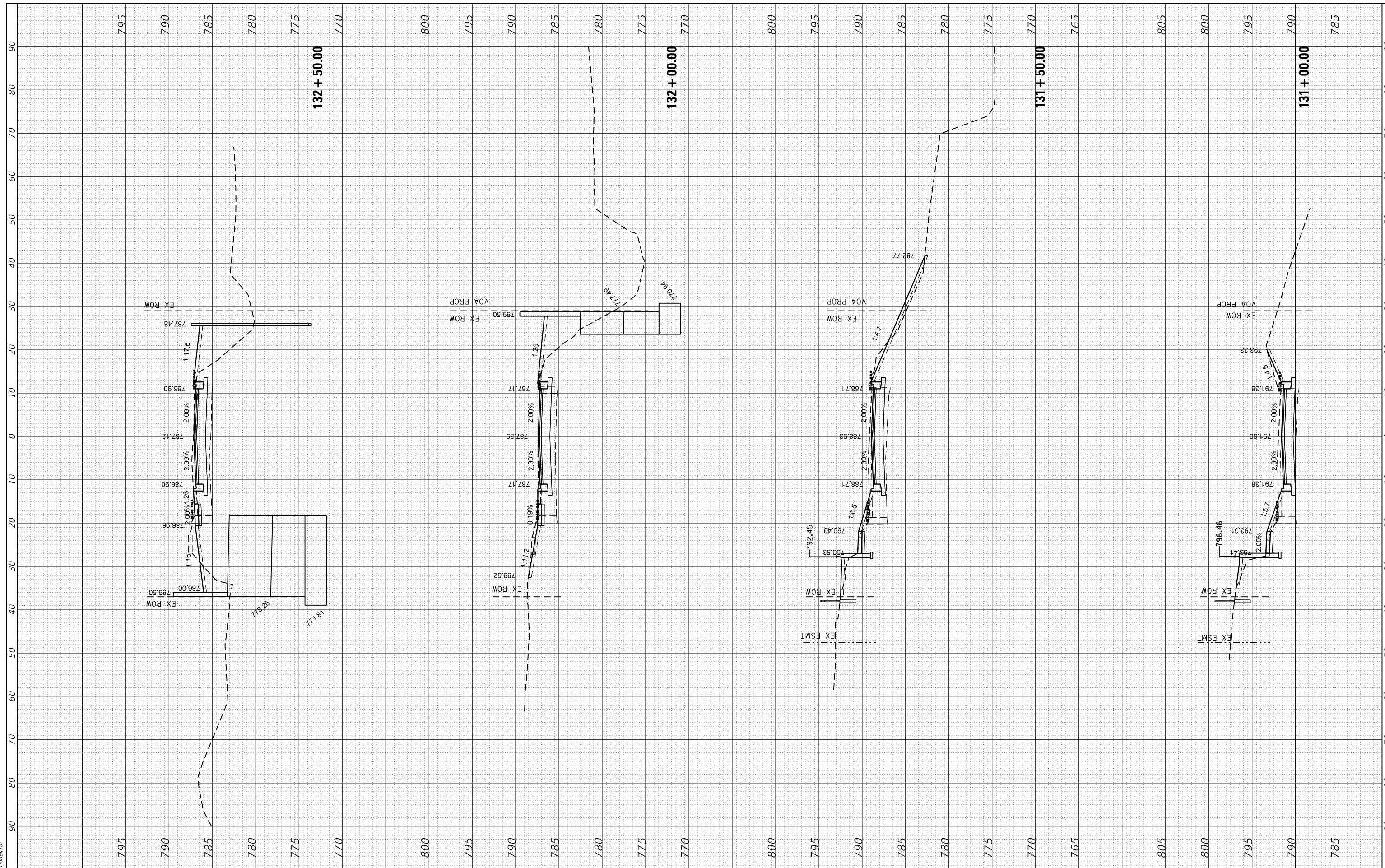
SCALE: 10H:5V SHEET 12 OF 16 SHEETS STA. 128+50.00 TO STA. 130+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	112
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - 17425 - s-souwanas.dgn
 PLOT DRIVER: il_cad_dwg.pc3
 PEN TABLE: p10.tbl



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USER NAME	- dstencz
DESIGNED	- JS
DRAWN	- DMS
CHECKED	-
DATE	-
PLOT SCALE	- 20.0000' / in.
PLOT DATE	- 11/28/2022

REVISIONS	- XX/XX/XXXX
REVISIONS	- XX/XX/XXXX
REVISIONS	- XX/XX/XXXX
REVISIONS	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

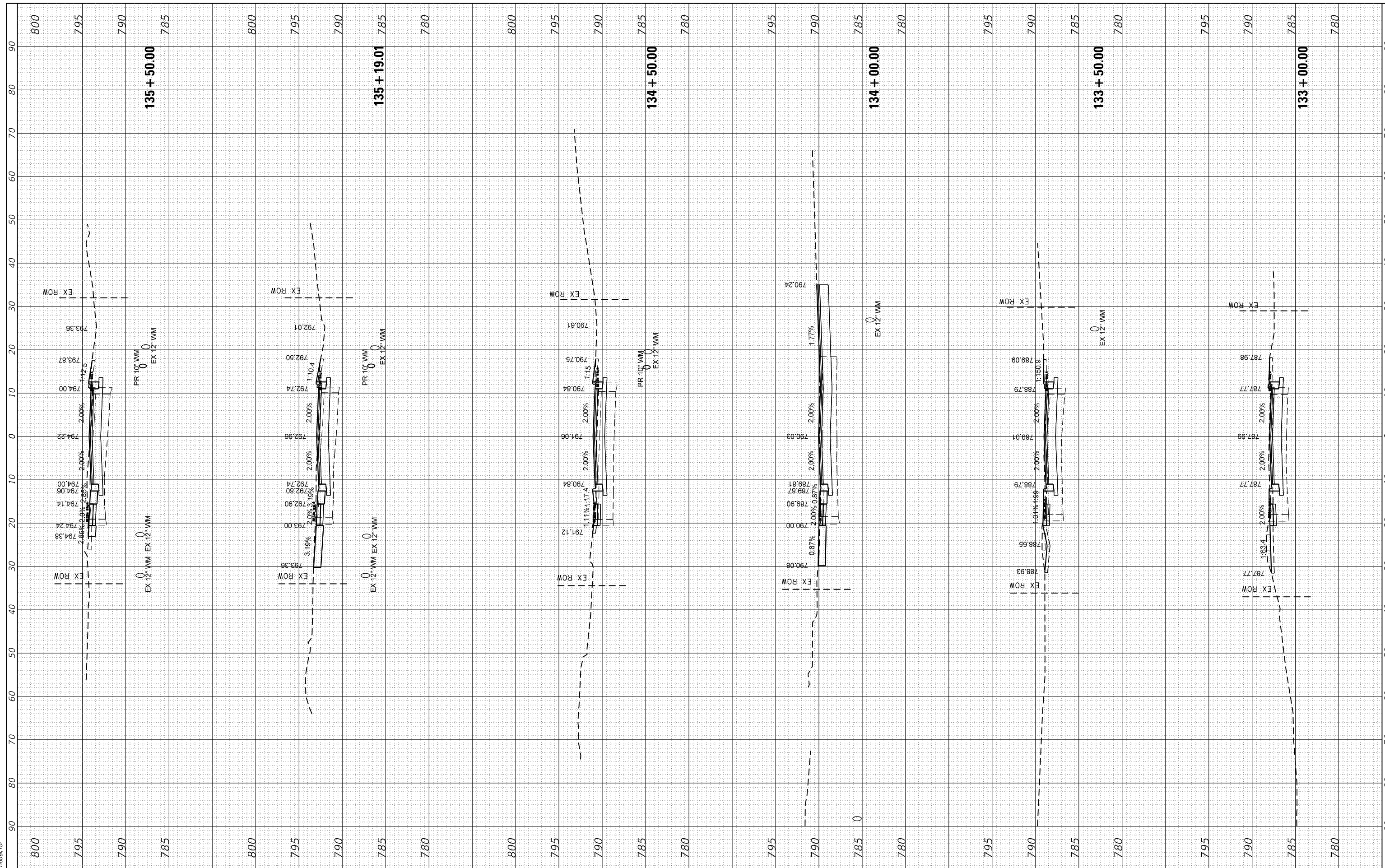
SCALE: 10H:5V SHEET 13 OF 16 SHEETS STA. 131+00.00 TO STA. 132+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	113
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H80	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	AREAS		
CHECKED	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	AREAS		
CHECKED	CHECKED		

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: il_def_dwg.plt
 PEN TABLE: plot.tbl



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USER NAME	= dstencz
DESIGNED	- JS
DRAWN	- DMS
CHECKED	-
DATE	-
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

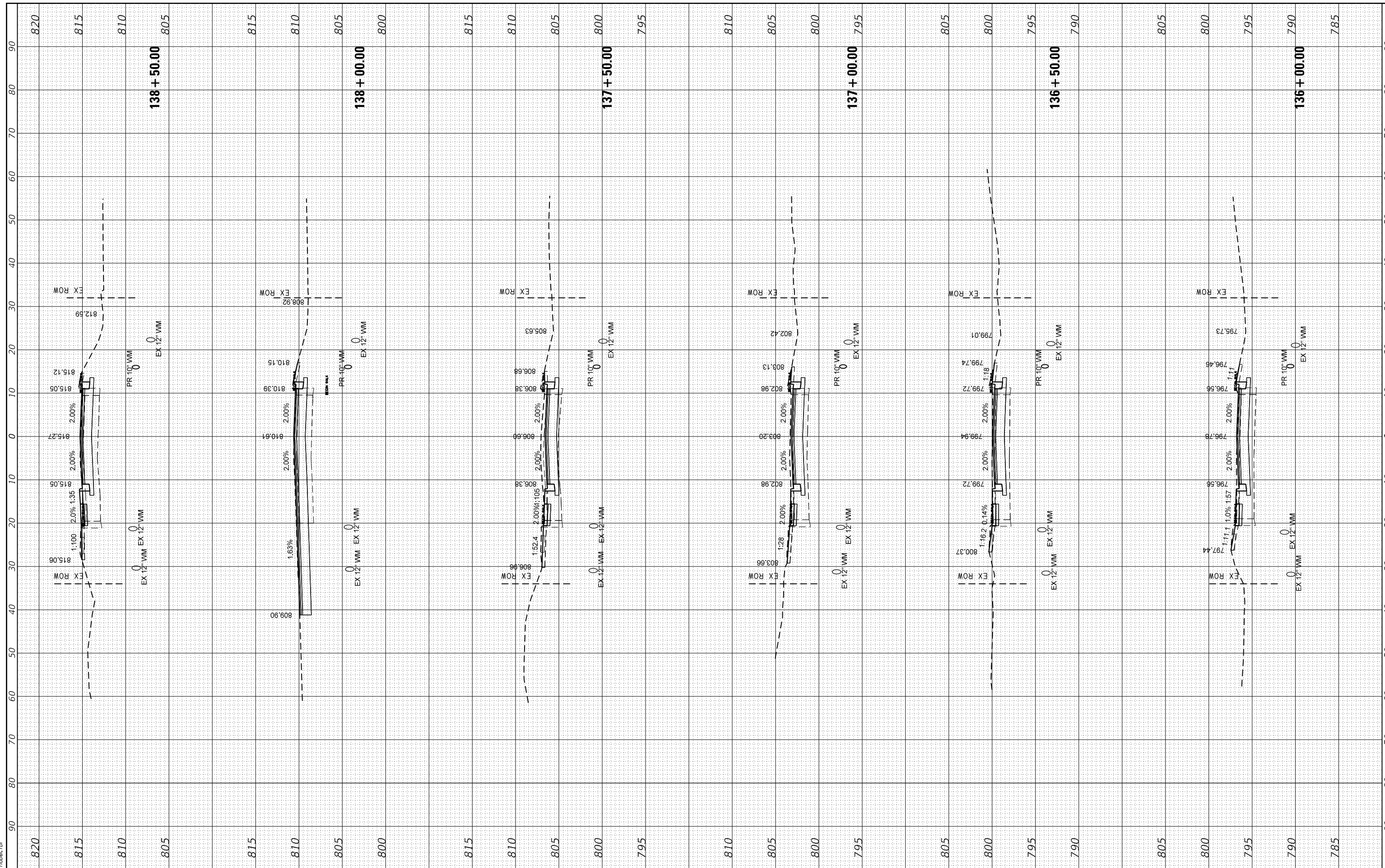
SCALE: 10H:5V SHEET 14 OF 16 SHEETS STA. 133+00.00 TO STA. 135+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	114
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-souwanas.dgn
 PLOT DRIVER: il_def_dwg.pc3
 PEN TABLE: p10.tbl



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USER NAME	= dstencz
DESIGNED	- JS
DRAWN	- DMS
CHECKED	-
DATE	-
REVISIONS	
REVISION 1	- XX/XX/XXXX
REVISION 2	- XX/XX/XXXX
REVISION 3	- XX/XX/XXXX
REVISION 4	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

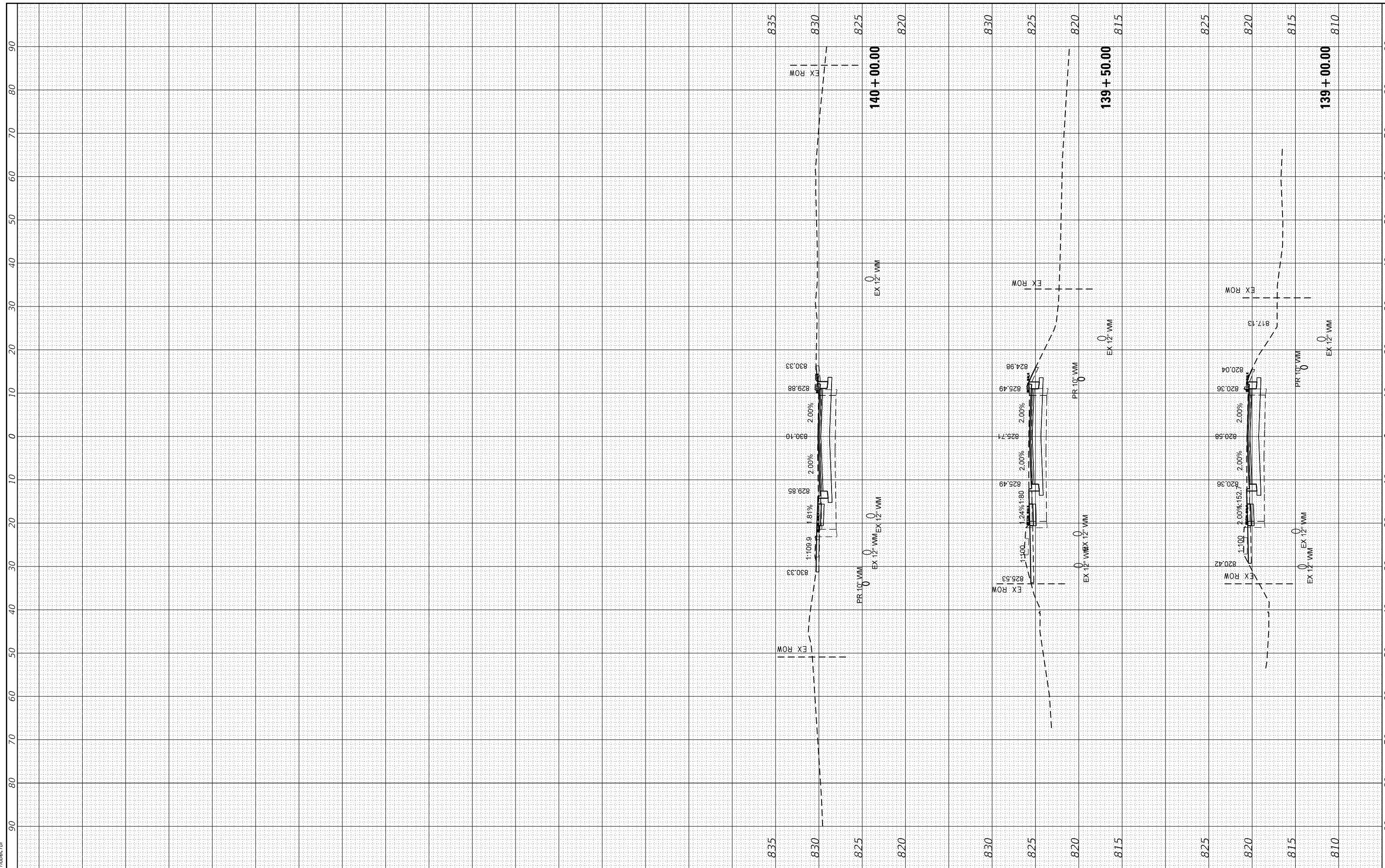
SCALE: 10H:5V SHEET 15 OF 16 SHEETS STA. 136+00.00 TO STA. 138+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	115
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 171425
 FILE NAME: 171425 - s-souwanas.dgn
 PLOT DRIVER: il_def_dwg.ctb
 PEN TABLE: plot.tbl



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USER NAME = dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUWANAS TRAIL**

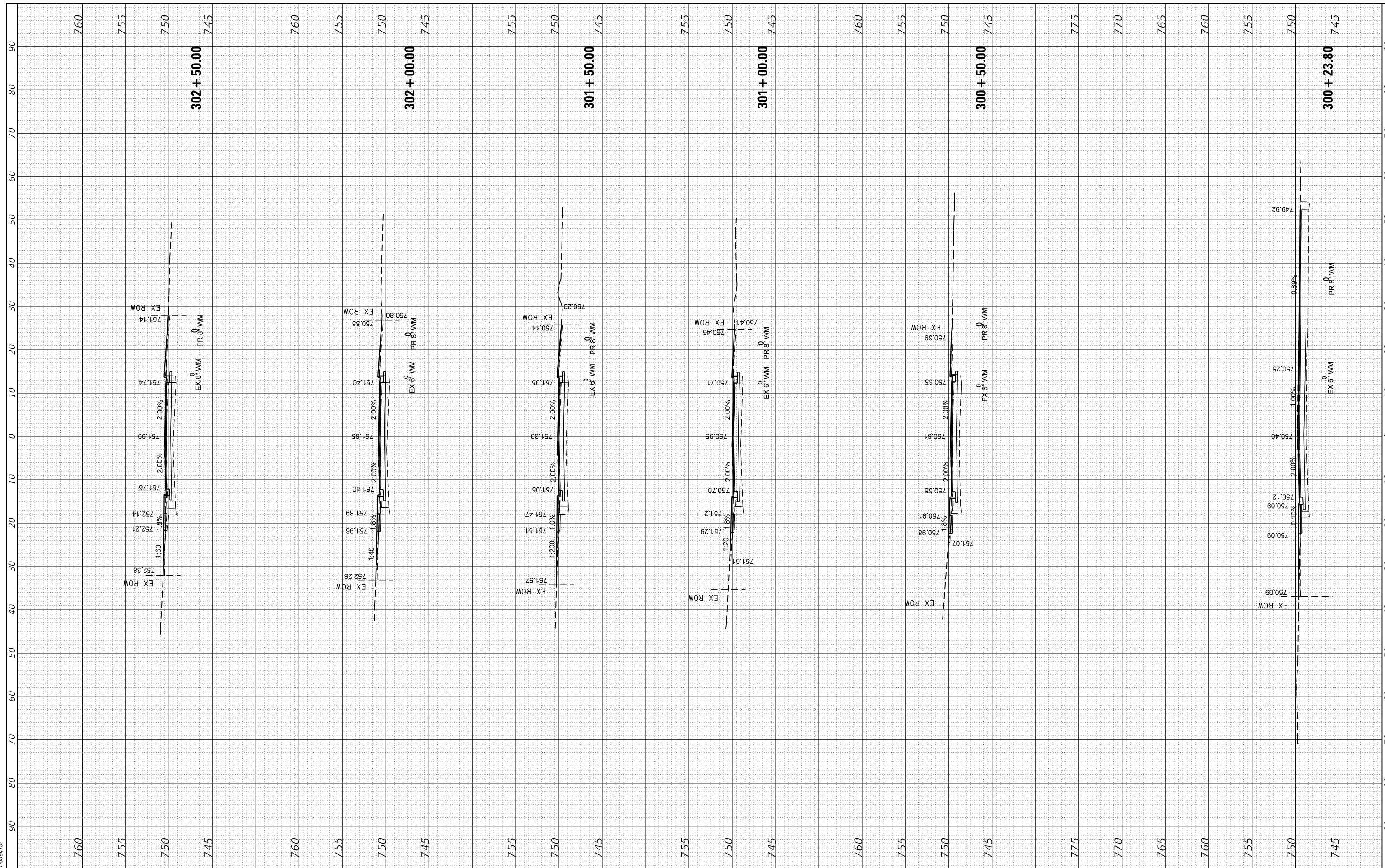
SCALE: 10H:5V SHEET 16 OF 16 SHEETS STA. 139+00.00 TO STA. 140+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	116
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
CHECKED	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
CHECKED	AREAS		
	CHECKED		

HRG PROJECT No: 17425
 FILE NAME: 17425 - ss-schuett.dgn
 PLOT DRIVER: il_def_dwg.ctb
 PEN TABLE: plot.tbl



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USER NAME	= dstencz
DESIGNED	- JS
DRAWN	- DMS
CHECKED	-
DATE	-
REVISIONS	
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SCHUETT STREET**

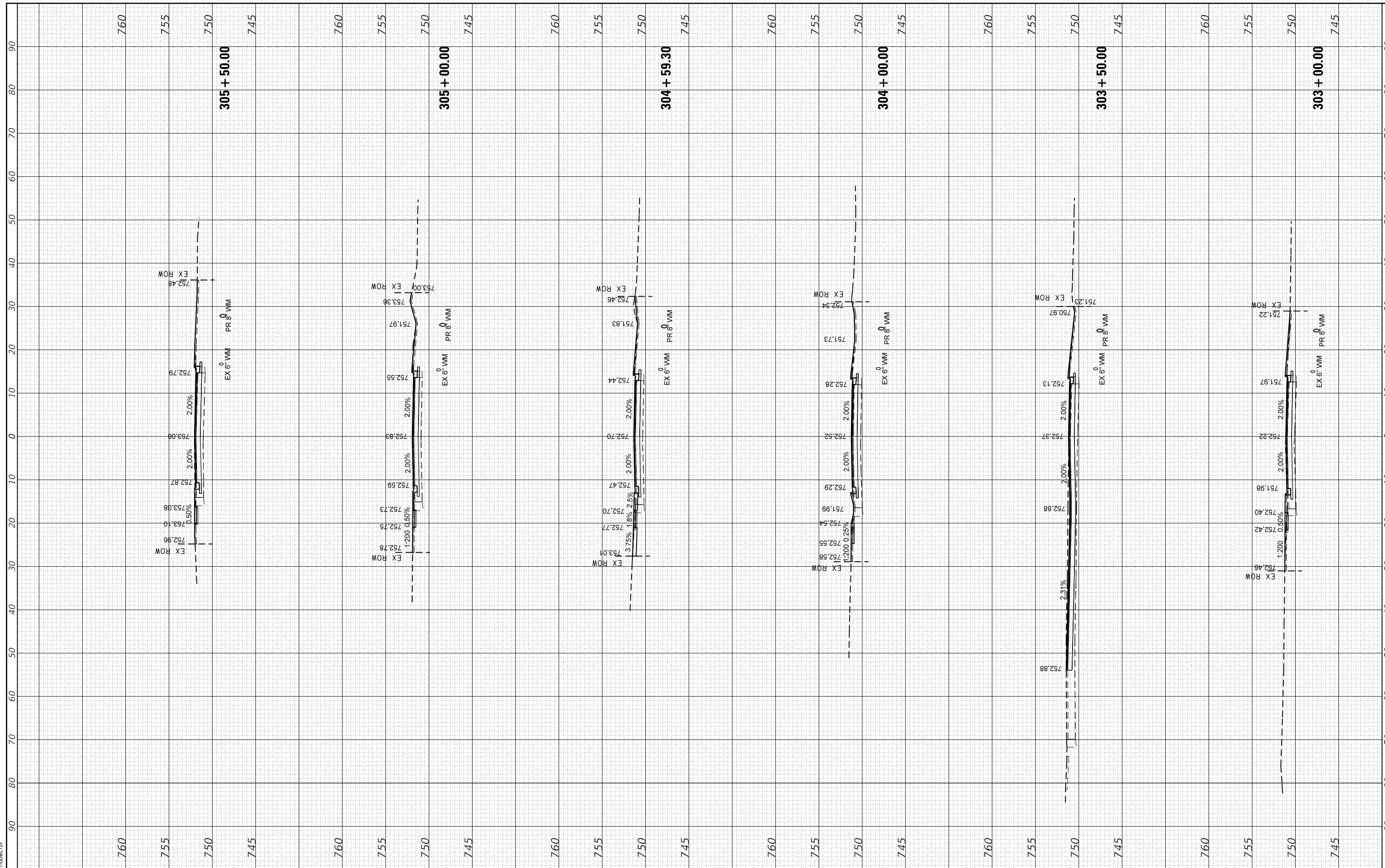
SCALE: 10H:5V SHEET 1 OF 7 SHEETS STA. 300+23.80 TO STA. 302+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	117
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - xs-schuett.dgn
 PLOT DRIVER: il_def_dwgpcr6g
 PEN TABLE: p10/label.tbl



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USER NAME = dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SCHUETT STREET**

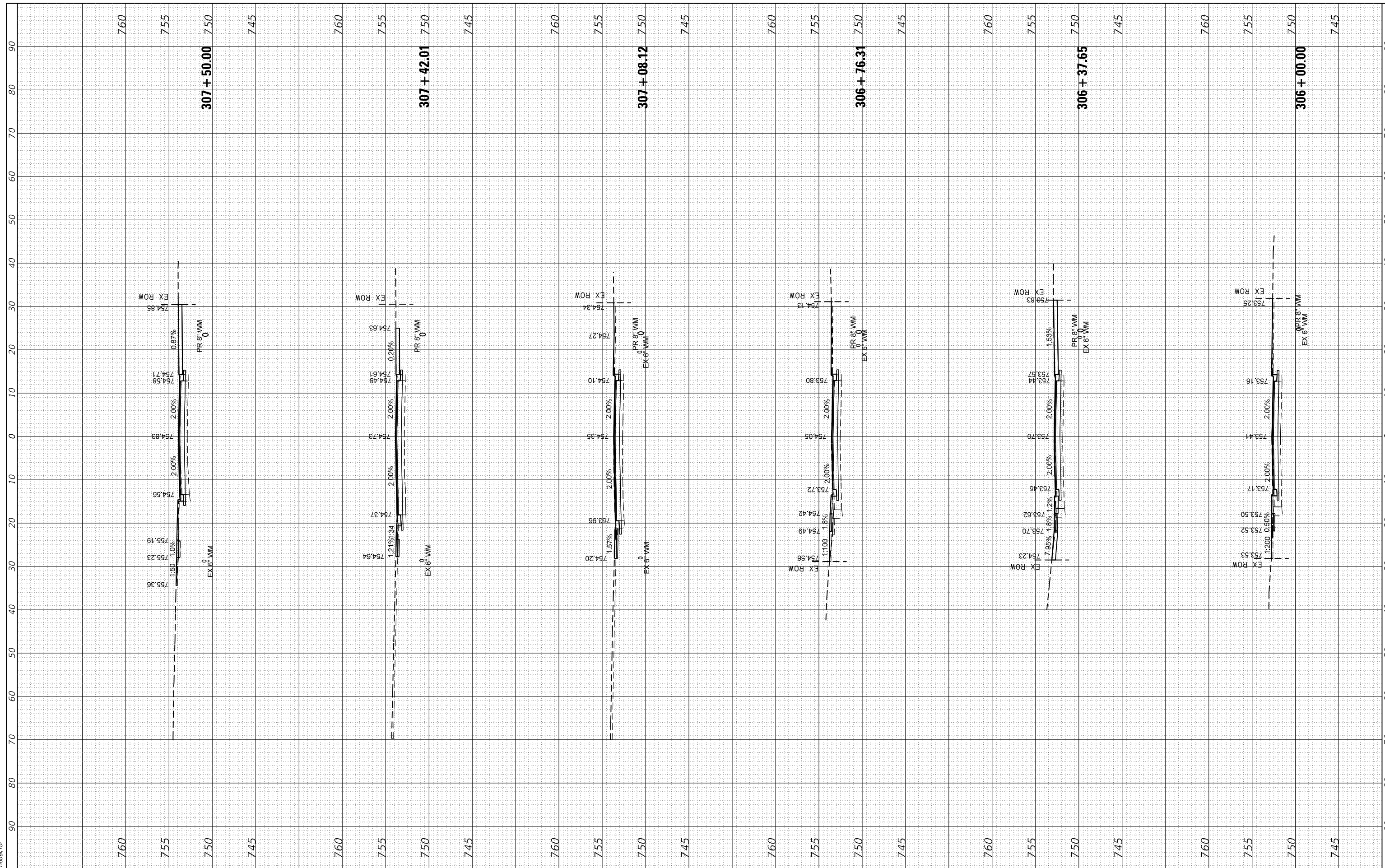
SCALE: 10H:5V SHEET 2 OF 7 SHEETS STA. 303+00.00 TO STA. 305+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	118
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	AREAS		
CHECKED	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	AREAS		
CHECKED	CHECKED		

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-schuetz11.dgn
 PLOT DRIVER: il_def_dwgpcr6g
 PEN TABLE: p101tblen1.dtl



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USER NAME	- dstencz	DESIGNED	- JS	REVISED	- XX/XX/XXXX
		DRAWN	- DMS	REVISED	- XX/XX/XXXX
PLOT SCALE	- 20.0000' / in.	CHECKED	-	REVISED	- XX/XX/XXXX
PLOT DATE	- 11/28/2022	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SCHUETT STREET**

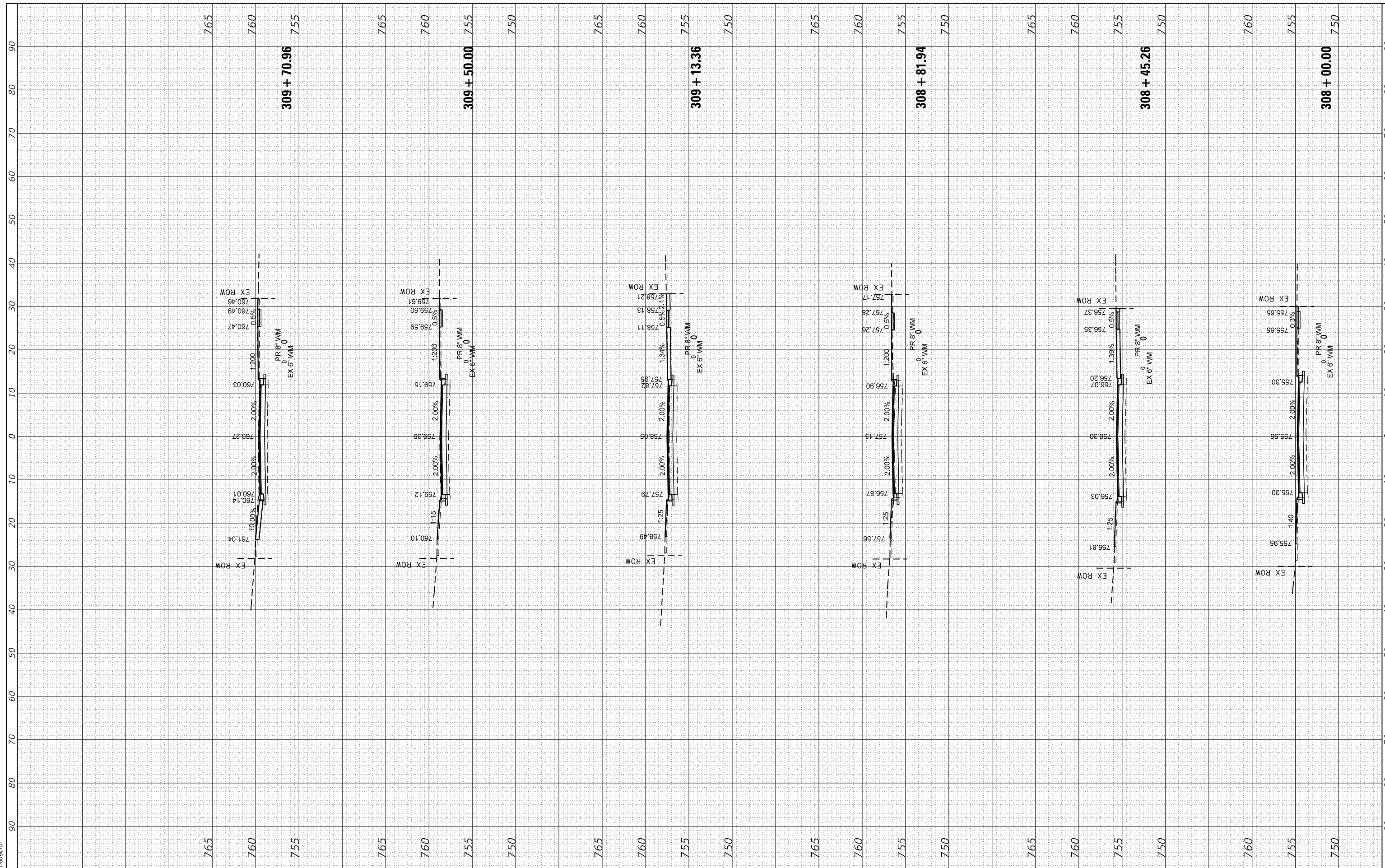
SCALE: 10H:5V SHEET 3 OF 7 SHEETS STA. 306+00.00 TO STA. 307+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	119
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-schuett.dgn
 PLOT DRIVER: il_cad_dwgplotcsg
 PEN TABLE: plot.tbl



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USER NAME	- dstencz	DESIGNED	- JS	REVISED	- XX/XX/XXXX
		DRAWN	- DMS	REVISED	- XX/XX/XXXX
PLOT SCALE	- 20.0000' / in.	CHECKED	-	REVISED	- XX/XX/XXXX
PLOT DATE	- 11/28/2022	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SCHUETT STREET**

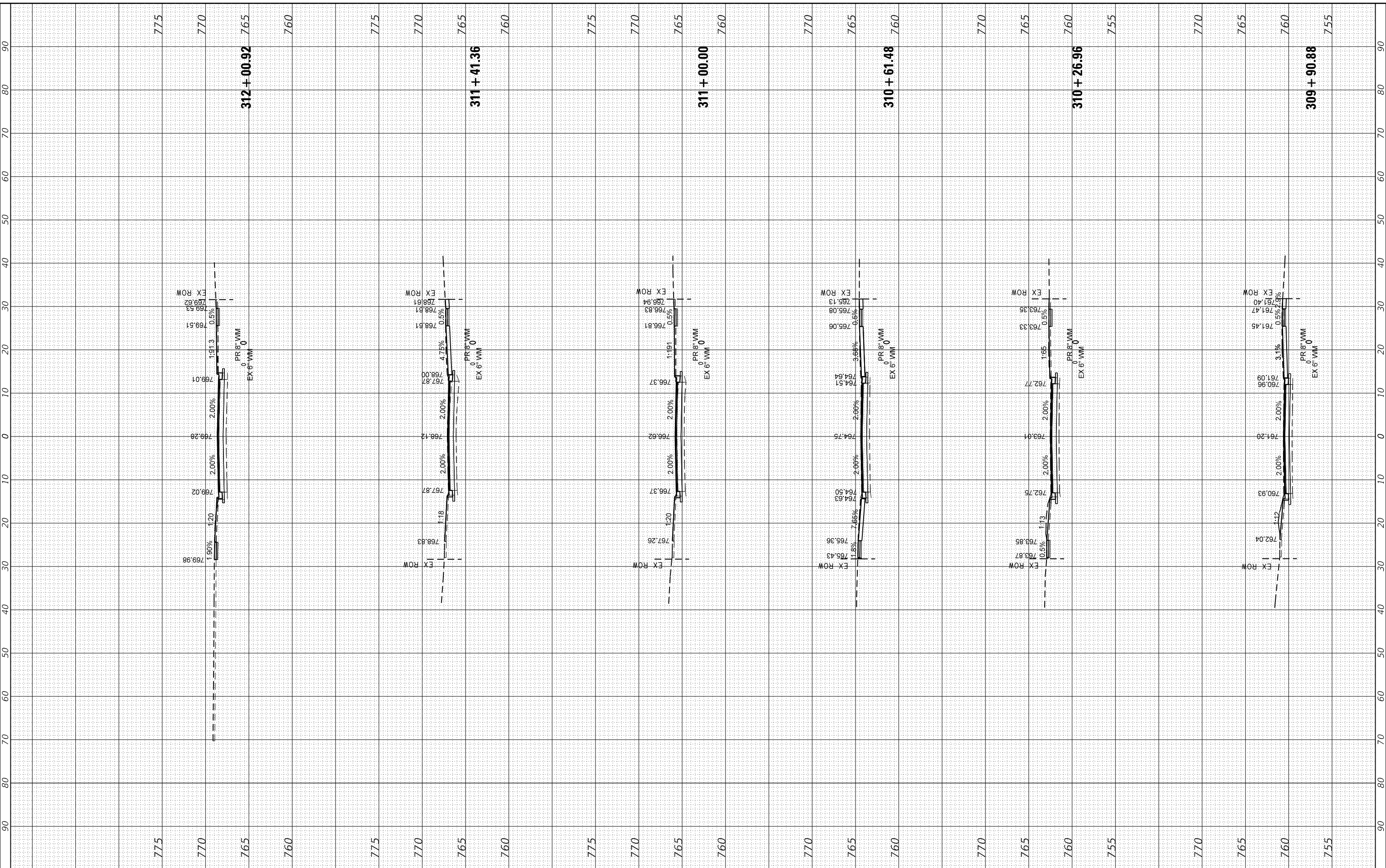
SCALE: 10H:5V SHEET 4 OF 7 SHEETS STA. 308+00.00 TO STA. 309+70.96

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	120
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-schuettt.dgn
 PLOT DRIVER: il_def_dwgpcr6g
 PEN TABLE: p101tbl.tbl



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USER NAME - dstenz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCHUETT STREET

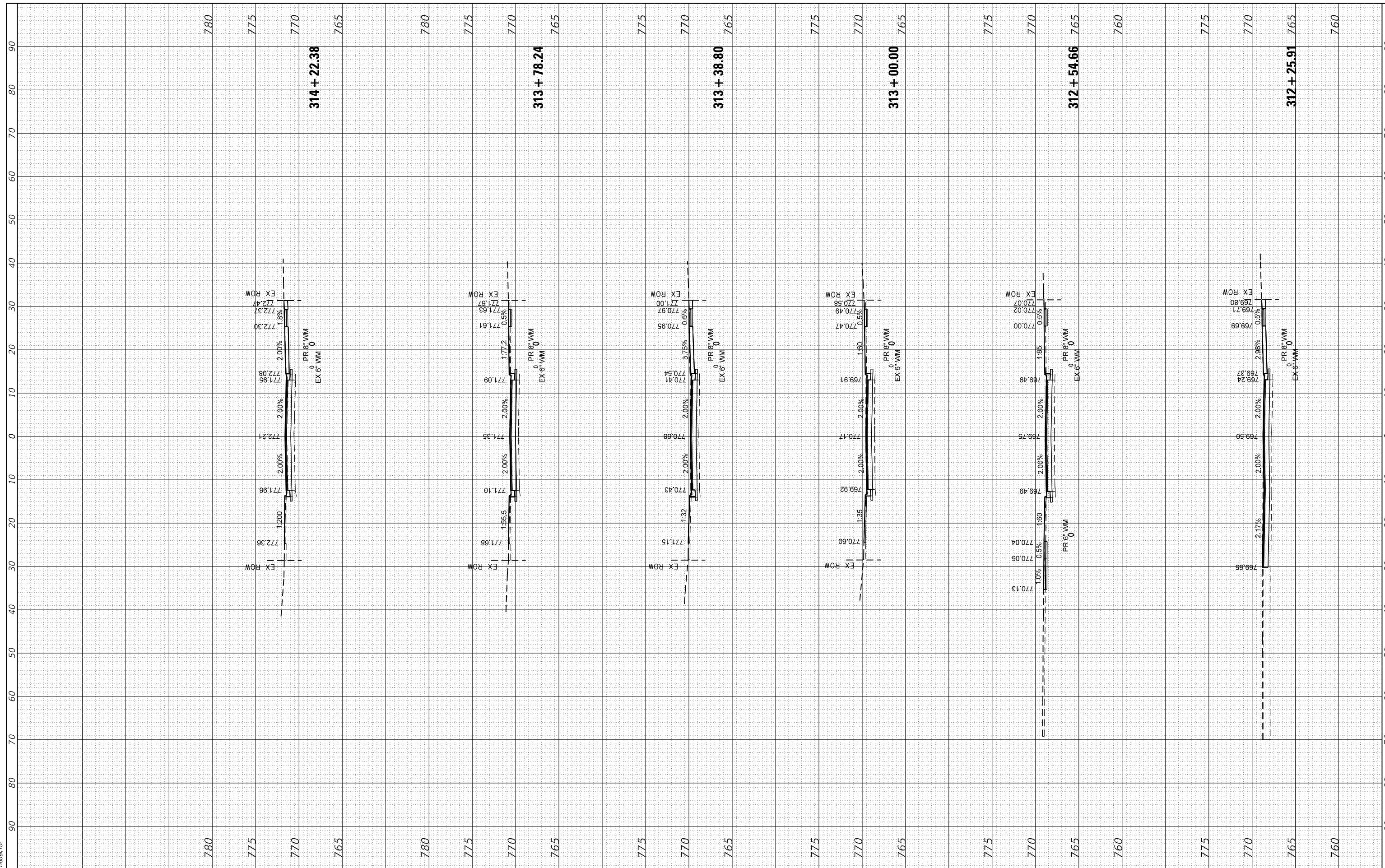
SCALE: 10H:5V SHEET 5 OF 7 SHEETS STA. 309+90.88 TO STA. 312+00.92

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	121
				CONTRACT NO. 61H80
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 17425
 FILE NAME: 17425 - s-schuett.dgn
 PLOT DRIVER: il_cad.ctb
 PEN TABLE: plot.tbl



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USER NAME	- dstencz
DESIGNED	- JS
DRAWN	- DMS
CHECKED	-
DATE	-
PLOT SCALE	- 20.0000' / in.
PLOT DATE	- 11/28/2022

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SCHUETT STREET**

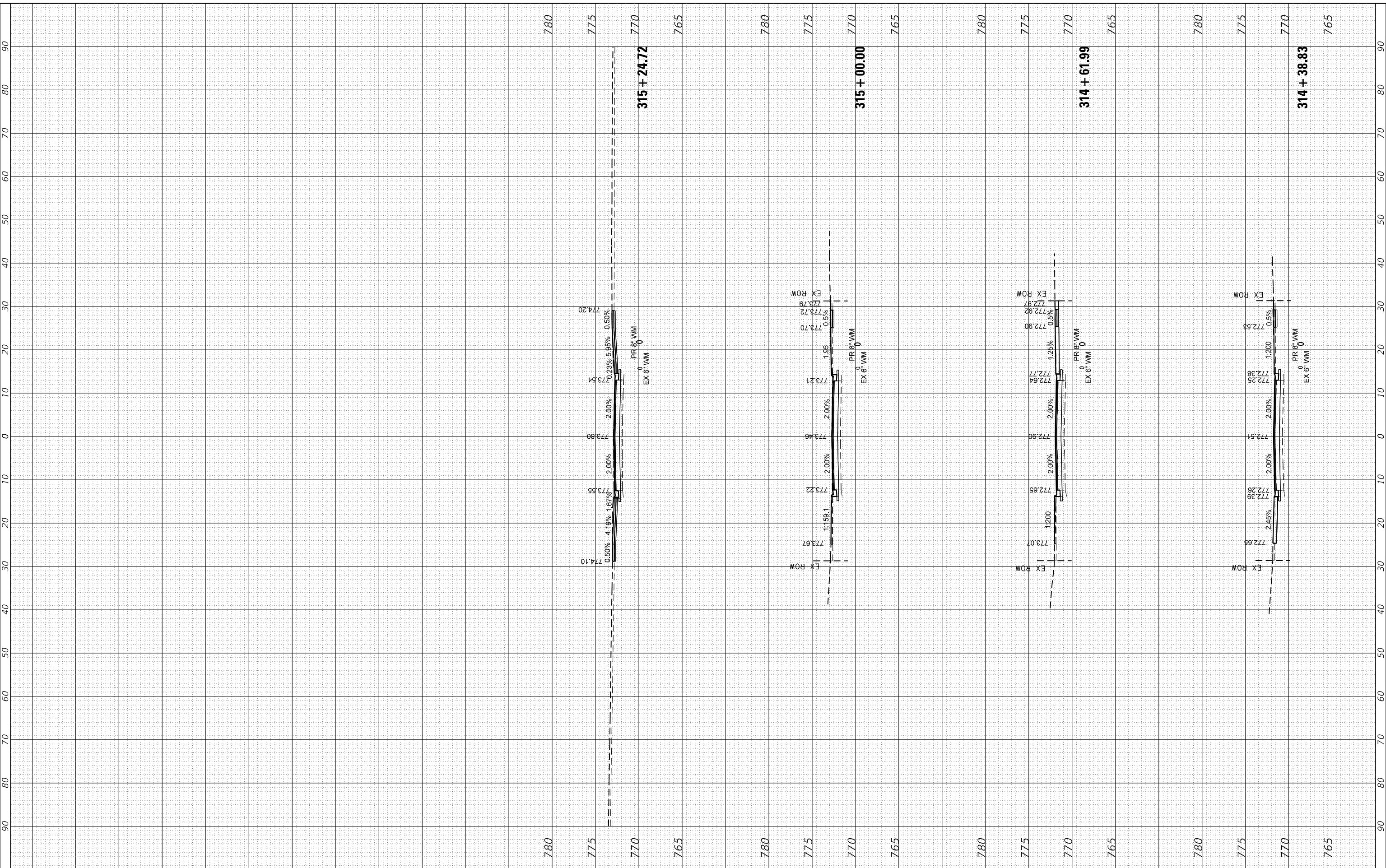
SCALE: 10H:5V SHEET 6 OF 7 SHEETS STA. 312+25.91 TO STA. 314+22.38

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	122
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	

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

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

HRG PROJECT No: 171425
 FILE NAME: 171425 - xs-schuett.dgn
 PLOT DRIVER: il_caf_bwp1rcfg
 PEN TABLE: p101tbl.tbl



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USER NAME = dstencz	DESIGNED - JS	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 11/28/2022	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SCHUETT STREET**

SCALE: 10H:5V SHEET 7 OF 7 SHEETS STA. 314+38.83 TO STA. 315+24.72

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00092-00-PV	MCHENRY	123	123
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H80	