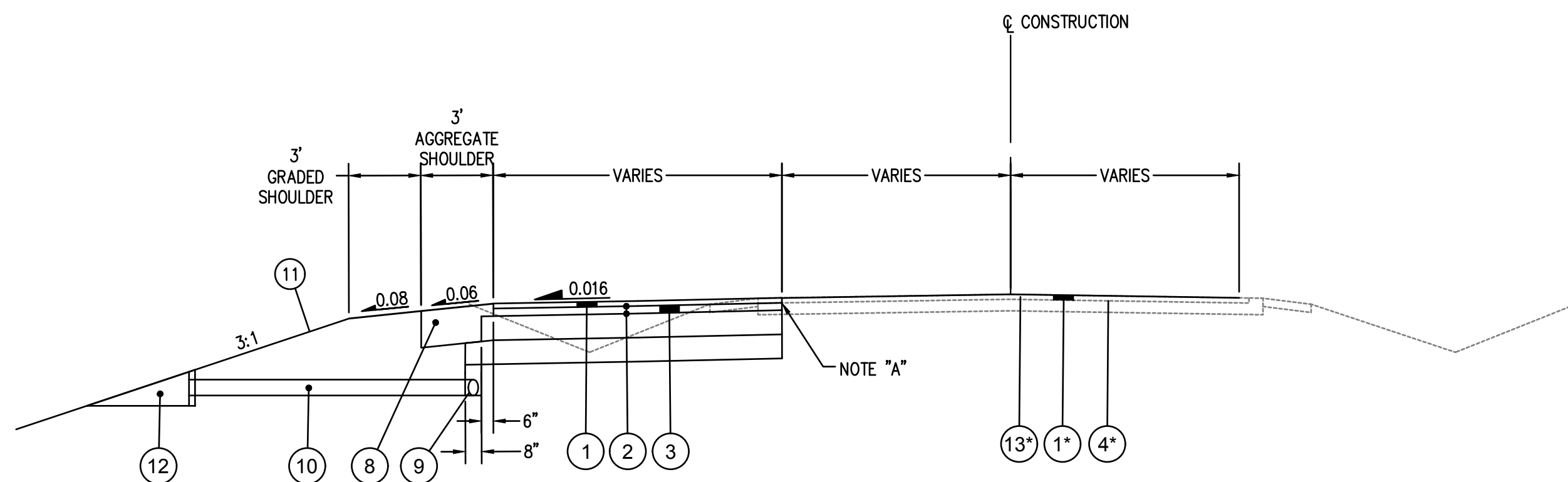


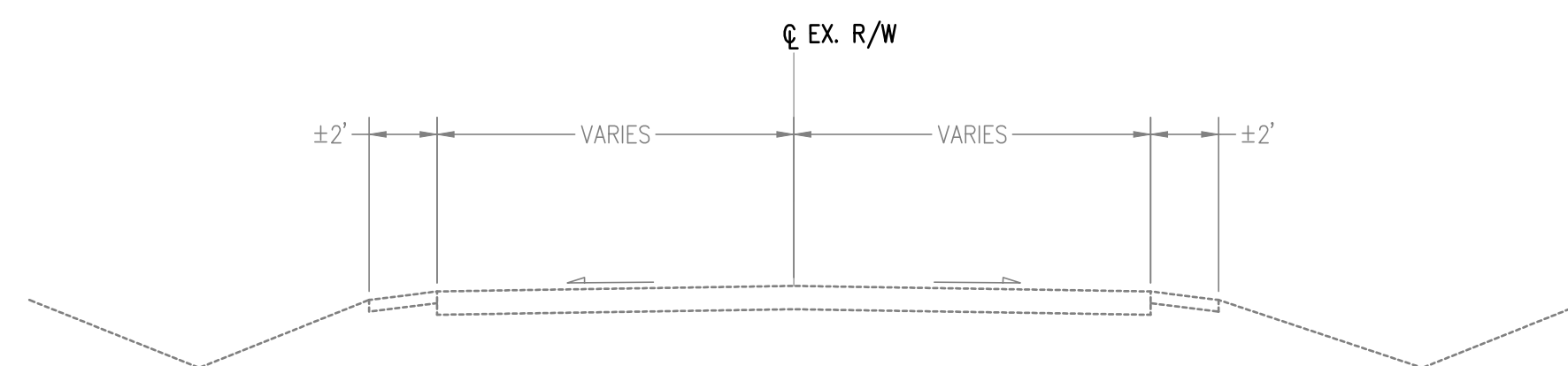
PROPOSED UTICA WAY - TYPICAL SECTION (STA. 10+82.23 TO STA. 27+85.00)

[A] VARIES FROM STA. 10+82.23 TO STA. 12+50



PROPOSED WIDENING TYPICAL SECTION (STA. 27+85.00 TO STA. 31+70.75)

* MILL & OVERLAY LIMITS EXTEND FROM STA. 31+70.75 TO STA. 32+00 (STA. 32+00 TO STA. 38+65.25 FOR ALTERNATE #1).



EXISTING TYPICAL SECTION (STA. 25+97.75 TO STA. 38+75.00)

- | | |
|--|---|
| <ul style="list-style-type: none"> ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 ② ITEM 407 - TACK COAT @ 0.055 GAL/SY ③ ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) ④ ITEM 407 - TACK COAT @ 0.085 GAL/SY ⑤ ITEM 301 - 6" ASPHALT CONCRETE BASE ⑥ ITEM 304 - 6" AGGREGATE BASE (LIMESTONE) ⑦ ITEM 204 - SUBGRADE COMPACTION ⑧ ITEM 617 - 9" COMPACTED AGGREGATE | <ul style="list-style-type: none"> ⑨ ITEM 605 - 4" BASE PIPE UNDERDRAIN (SEE NOTE "B") ⑩ ITEM 611 - 4" CONDUIT TYPE C ⑪ ITEM 659 - SEEDING AND MULCHING, CLASS 1 ⑫ ITEM 611 - PRECAST REINFORCED CONCRETE OUTLET ⑬ ITEM 254 - 1.25" PAVEMENT PLANING, ASPHALT CONCRETE |
|--|---|

NOTE "A"
THE EXISTING PAVEMENT SHALL BE SAW CUT TO LOCATE A SOUND PAVEMENT EDGE AS PER ITEM 203(E) OF THE CMS. FOR ESTIMATING PURPOSES THE PLAN INDICATES AN AVERAGE WIDTH OF 1' OF EXISTING PAVEMENT BEING REPLACED.

NOTE "B"
THE 4" BASE PIPE UNDERDRAINS SHALL OUTLET INTO STRUCTURE D4 USING 4" CONDUIT TYPE C. CONSTRUCTION SHALL BE AS PER ODOT SCD DM-1.2.

ITEM 605 4" BASE PIPE UNDERDRAIN - 3910 LF
ITEM 611 4" CONDUIT, TYPE C - 30 LF

DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
TYPICAL SECTIONS

DATE:
MARCH 6, 2023

SCALE:

SHEET:
2

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WATER MAIN NOTES

- THIS WORK CONSISTS OF CONSTRUCTING WATER MAINS AND SERVICE BRANCHES, INCLUDING FIRE HYDRANTS, CORPORATION STOPS, SERVICE BOXES, SERVICE STOPS, VALVES, FITTINGS, AND VALVE BOXES, AND INCLUDES:
 - A. EXCAVATION FOR ITEMS AND PREPARATION OF THE FOUNDATIONS NECESSARY FOR PLACING WATER MAINS AND SERVICE BRANCHES, INCLUDING FIRE HYDRANTS, CORPORATION STOPS, SERVICE BOXES, SERVICE STOPS, VALVES, FITTINGS, AND VALVE BOXES.
 - B. FURNISHING AND PLACING BEDDING AND BACKFILL.
 - C. CONSTRUCTING AND SUBSEQUENTLY REMOVING ALL NECESSARY COFFERDAMS, BRACING, CRIBS AND SHEETING.
 - D. PUMPING AND DEWATERING.
 - E. PROVIDING ALL JOINTS AS SHOWN ON THE PLANS.
 - F. FURNISHING AND INSTALLING ALL NECESSARY BENDS AND BRANCHES.
 - G. FURNISHING AND INSTALLING ALL NECESSARY TRACER TAPE.
 - H. JOINING TO EXISTING AND PROPOSED APPURTENANCES AS REQUIRED IN THE PROJECT PLANS.
 - I. PERFORMING ALL NECESSARY TESTS (LEAKAGE TEST, DISINFECTIONS, HYDROSTATIC).
 - J. RESTORATION OF DISTURBED UNDERGROUND FACILITIES.
 - K. CONSTRUCTING ALL REQUIRED BLOCKING AND WEDGING AND/OR THRUST BLOCKING.
 - L. FURNISHING AND INSTALLING ALL NECESSARY RESTRAINING OF JOINTS AND FITTINGS.
 - M. CUTTING AND PLUGGING, AS REQUIRED, EXISTING WATER MAINS TO BE ABANDONED.
- USE REMOVED OR EXCAVATED MATERIALS IN THE WORK WHEN THE MATERIAL CONFORMS TO THE SPECIFICATIONS; IF NOT, THEN RECYCLE OR DISPOSE OF THE MATERIAL ACCORDING TO 105.16 AND 105.17.
- THE CONTRACTOR SHALL SUPPLY ALL OF THE WATER MAIN MATERIALS, INCLUDING THE PIPE, FITTINGS AND FITTING RESTRAINTS, HYDRANTS AND VALVES, ALL OTHER APPURTENANCES AND ANY ITEMS SPECIALLY ITEMIZED AS REQUIRED FOR THE WATER MAIN INSTALLATION. ALL WATER MAIN MATERIALS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS. ALL BOLTS SHALL BE STAINLESS STEEL. ALL FITTINGS SHALL BE DUCTILE IRON.
- POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO AWWA C900, AWWA C905, AWWA C909, DR-14, OR ASTM D 2241. THE CONTRACTOR SHALL FURNISH PUSH-ON TYPE PIPE JOINTS CONFORMING TO ASTM D 3139 WITH A THICKENED BELL AND WITH A RUBBER GASKET CONFORMING TO ASTM F 477. USE PVC, PE, OR PB PIPE AND COUPLINGS, AND SOLVENT CEMENTS MADE FROM COMPOUNDS THAT ARE TESTED AND CERTIFIED AS SUITABLE FOR POTABLE WATER DISTRIBUTION PRODUCTS BY THE NATIONAL SANITATION FOUNDATION (NSF) TESTING LABORATORY OR THE CANADIAN STANDARDS ASSOCIATION TESTING LABORATORY, OR ANY OTHER SIMILARLY ACCREDITED TESTING AGENCY ACCEPTABLE TO THE LABORATORY. DO NOT USE PVC, PE, OR PB PIPE AND COUPLINGS, OR SOLVENT CEMENTS CONTAINING ANY INGREDIENT IN AN AMOUNT THAT HAS BEEN DEMONSTRATED TO MIGRATE INTO WATER IN QUANTITIES CONSIDERED TO BE TOXIC, AS TESTED ACCORDING TO SECTIONS 3 AND 4 OF NSF STANDARD NUMBER 14. HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO HDPE DR-11, ASTM F714. THE CONTRACTOR SHALL FURNISH PIPE JOINTS CONFORMING TO ASTM F2620/ASTM 1290.
- ALL NEW GATE VALVES SHALL OPEN COUNTER-CLOCKWISE.
- ALL JOINTS WILL BE PUSH-ON.
- FURNISH CAST IRON VALVE BOXES CONSISTING OF ADJUSTABLE TWO PIECE WITH COVER AND WITH A BASE CORRESPONDING TO THE SIZE OF THE VALVE. USE HEAVY-DUTY TYPE VALVE BOXES FOR LOCATIONS WITHIN EXISTING OR PROPOSED PAVEMENT, DRIVEWAY, OR OTHER TRAVELED AREAS. ENSURE THAT VALVE BOXES ARE COATED WITH AN ASPHALTIC COATING BY THE MANUFACTURER. THE COVER SHALL HAVE THE WORD "WATER" CAST IN IT.
- FURNISH INSERTING VALVES THAT OPERATE LIKE ORDINARY GATE VALVES, WITH THE SAME GATE AND SEATING ASSEMBLY AS AWWA C509 GATE VALVES. FURNISH MATERIAL THAT CONSIST OF A TWO-PIECE SLEEVE FOR ASSEMBLY AROUND THE MAIN VALVE, AND A VALVE BOX CONFORMING TO PROJECT SPECIFICATIONS. FURNISH THE EQUIPMENT NECESSARY TO DRILL THE MAIN WALL AND INSERT THE VALVE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- FURNISH CUTTING-IN VALVES WITH THE SAME GATE AND SEATING ASSEMBLY AS AWWA C509 GATE VALVES. FURNISH MATERIAL THAT CONSISTS OF A CUTTING-IN SLEEVE AND VALVE SUITABLE FOR ASSEMBLING OVER THE ENDS OF A CUTOUT LENGTH OF EXISTING PIPE, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, AND A VALVE BOX CONFORMING TO PROJECT SPECIFICATIONS.
- FURNISH BRONZE SERVICE STOPS WITH COUPLING THREADS CONFORMING TO AWWA C800. USE SERVICE STOPS DESIGNED SO THAT WATER PRESSURE FROM THE INLET SIDE OF THE BODY PROVIDES ADDITIONAL SEALING ACTION. FURNISH SERVICE STOPS THAT OPEN COUNTER-CLOCKWISE. USE BUFFALO TYPE SERVICE BOXES. FURNISH COVERS THAT HAVE THE WORD "WATER" CAST IN RAISED LETTERS. SECURELY FASTEN COVERS WITH A BRONZE OR BRASS BOLT.
- NOTIFY THE CITY OF CAMBRIDGE OF THE FOLLOWING:
 - A. THE DATES SCHEDULED FOR TESTING AND FOR DISINFECTIONS OF MAINS AND BRANCHES.
 - B. ANY CLEARANCES LESS THAN 1.5 FEET BETWEEN NEW MAINS AND EXISTING PIPES, SEWERS, AND STRUCTURES.

WATER MAIN NOTES (CONT.)

- FURNISH CAST IRON, DRY-BARREL POST TYPE FIRE HYDRANTS CONFORMING TO AWWA C502, WITH THE FOLLOWING MODIFICATIONS: FURNISH HYDRANTS INCORPORATING AN APPROVED GROUNDLINE BREAKABLE FLANGE AND VALVE STEM COUPLING. FURNISH COMPRESSION TYPE HYDRANTS WITH THE VALVE OPENING AGAINST THE PRESSURE. ENSURE THAT THE VALVE END OF THE VALVE STEM IS DESIGNED TO ELIMINATE CONTACT OF DISSIMILAR METALS. ENSURE THAT THE VALVE STEM IS AT LEAST 1-INCH (25 MM) DIAMETER OR 1-INCH (25 MM) SQUARE STEEL BETWEEN THE HYDRANT OPERATING NUT AND THE VALVE, EXCEPT FOR THE VALVE STEM COUPLING LOCATED AT THE POINT CORRESPONDING TO THE BREAKABLE FLANGE. FURNISH A MAIN VALVE PORT THAT IS AT LEAST 4 1/4-INCH (108 MM) DIAMETER. FURNISH A RUBBER FACED VALVE. ENSURE THAT THE HYDRANT IS DESIGNED SO THE NOZZLES MAY BE ORIENTED TO POINT IN ANY DIRECTION. ENSURE THAT THE HYDRANT CONNECTION TO THE PIPE HAS AT LEAST A 6 INCH (150 MM) INSIDE DIAMETER. FURNISH PUSH-ON OR MECHANICAL TYPE JOINTS CONFORMING TO ANSI/AWWA C111/A21.11. ENSURE THAT THE HYDRANT HAS ONE CENTER-FRONT PUMPER NOZZLE OF 4-INCH (100 MM) INTERNAL DIAMETER WITH MALE THREADS TO MATCH THE FIRE APPARATUS OF THE MAINTAINING AGENCY. FURNISH TWO HOSE OR STREAMER NOZZLES OF 2 1/2-INCH (63 MM) INTERNAL DIAMETER WITH MALE THREADS TO MATCH APPARATUS OF THE MAINTAINING AGENCY. ENSURE THAT NOZZLE SECTIONS ARE DESIGNED TO LOCK INTO THE HYDRANT BODY USING LOCKING LUGS OR THREADS. FURNISH NOZZLES WITH THREADED CAST IRON CAPS HAVING AN INTEGRAL NUT OF THE SAME DESIGN AS THE HYDRANT OPERATING NUT. CONTACT THE MAINTAINING AGENCY (CITY OF CAMBRIDGE) TO DETERMINE THE DESIRED COLOR AND NUMBER OF COATS OF ENAMEL FOR THE HYDRANTS. THE CONTRACTOR SHALL REMOVE AND STORE THE EXISTING FIRE HYDRANTS ONSITE FOR SALVAGE BY THE CITY OF CAMBRIDGE.
- EXCAVATE ACCORDING TO SPECIFICATIONS WITH THE FOLLOWING ADDITIONS:
 - A. EXCAVATE THE TRENCH A SUITABLE DISTANCE IN ADVANCE OF PIPE LAYING TO ENSURE PROPER CLEARANCE BETWEEN THE WATERLINE AND ANY UTILITY CROSSING OR UNDERGROUND STRUCTURE. SUITABLY BRACE AND SUPPORT UTILITIES AND STRUCTURES.
 - B. EXCAVATE THE TRENCH WALLS IN ACCORDANCE TO SD-118. ENSURE THAT THE CLEARANCE ON EITHER SIDE OF A PIPE IS A MINIMUM OF 4 INCHES (101.6 MM) AND A MAXIMUM OF 6 INCHES (152.4 MM). IN PAVED AREAS, NEATLY SAW CUT THE PAVEMENT AND REMOVE PAVING MATERIAL.
 - C. FURNISH COVER OVER PIPES OF 4 FEET (1.3 M) UNLESS OTHERWISE SHOWN ON THE PLANS.
 - D. PILE EXCAVATED MATERIAL IN A MANNER THAT WILL NOT ENDANGER THE WORK OR OBSTRUCT SIDEWALKS AND DRIVEWAYS. KEEP GUTTERS CLEAR OR MAKE OTHER SATISFACTORY PROVISIONS FOR DRAINAGE. DO NOT OBSTRUCT NATURAL WATER-COURSES.
 - E. FURNISH HOLES FOR PIPE BELLS AT EACH JOINT, BUT MAKE THEM NO LONGER THAN NECESSARY FOR JOINT ASSEMBLY AND ASSURANCE THAT THE PIPE BARREL WILL BE FLAT ON THE TRENCH BOTTOM.
 - F. FURNISH, PLACE, AND MAINTAIN SUCH SHEETING AND BRACING AS MAY BE REQUIRED. IMMEDIATELY BACKFILL AND COMPACT VOIDS APPEARING OUTSIDE OF SHEETING. NOTIFY THE MAINTAINING AGENCY OF SHEETING AND BRACING LEFT IN PLACE. DO NOT REMOVE SHEETING AND BRACING UNTIL SUFFICIENT BACKFILL HAS BEEN PLACED TO PROVIDE AMPLE SUPPORT TO THE SIDES OF THE EXCAVATION. WHEN SHEETING IS LEFT IN PLACE, CUT IT OFF AT LEAST 2 FEET (0.6 M) BELOW THE PROPOSED FINISHED SURFACE OR SUBGRADE IN PAVED AREAS.
- WHERE SPECIFIED, PROVIDE STRUCTURAL BACKFILL FOR BEDDING ACCORDING TO SPECIFICATIONS.
- INSPECT WATER MAINS AND AUXILIARY EQUIPMENT UPON DELIVERY IN THE FIELD TO ENSURE PROPER WORKING ORDER BEFORE INSTALLATION.
- WHERE WATER IS ENCOUNTERED IN THE TRENCH, REMOVE IT DURING PIPE-LAYING OPERATIONS AND MAINTAIN THE TRENCH WATER FREE UNTIL THE ENDS OF THE PIPE ARE SEALED AND PROVISIONS ARE MADE TO PREVENT FLOATING OF THE PIPE. DO NOT ALLOW TRENCH WATER OR OTHER DELETERIOUS MATERIALS TO ENTER THE PIPE AT ANY TIME.
- LAY PIPE AT LEAST 12 INCHES FROM ANY STRUCTURE OR UNDERGROUND UTILITY, AND MAINTAIN A MINIMUM 10-FOOT (3 M) HORIZONTAL SEPARATION FROM SANITARY SEWERS.
- DO NOT OPERATE ANY VALVE OR OTHER CONTROL ON THE EXISTING SYSTEM. THE CITY OF CAMBRIDGE WILL OPERATE ALL VALVES, HYDRANTS, AIR VALVES, AND SERVICE STOPS.
- HANDLE PIPE IN A MANNER THAT WILL PREVENT DAMAGE TO THE PIPE, PIPE LINING, OR COATING. LOAD, UNLOAD, AND PLACE PIPE AND FITTINGS USING HOISTS AND SLINGS IN A MANNER THAT WILL AVOID SHOCK OR DAMAGE. DO NOT DROP, SKID, OR ROLL PIPE OR FITTINGS AGAINST OTHER PIPE.
- WHenever it becomes necessary to cut a length of pipe, make the pipe ends square with the longitudinal axis of the pipe and otherwise smooth so that good connections can be made. Cut pipe using cutters recommended by the manufacturer.
- ENSURE THAT PIPE AND FITTINGS ARE CLEAN WHEN LAID. TAKE PRECAUTIONS TO PREVENT FLOATING. PLACE THE PIPE ON THE TRENCH BOTTOM OR BEDDING. AFTER THE PIPE HAS BEEN ALIGNED AND JOINTED, AND THRUST BLOCKING HAS BEEN PLACED, SECURE THE PIPE IN PLACE WITH APPROVED BACKFILL MATERIAL. AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS, CLOSE THE OPEN ENDS OF THE PIPE WITH A WATERTIGHT PLUG.
- PIPE JOINTS SHALL BE DEFLECTED TO OBTAIN HORIZONTAL ALIGNMENT AND VERTICAL ELEVATIONS UNLESS OTHERWISE INDICATED. DEFLECTIONS ARE TO BE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATION OR AS NOTED ON THE DETAILED PLANS. IF THE PIPE IS SHOWN CURVED ON THE PLANS, CONSTRUCT THE CURVES BY SPECIAL FITTINGS OR BY DEFLECTING THE JOINTS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. DO NOT MAKE JOINT DEFLECTIONS AT VALVES.
- WHEN RUBBER-GASKETED PIPE IS LAID ON A CURVE, JOINT THE PIPE IN A STRAIGHT ALIGNMENT AND THEN DEFLECT IT TO THE CURVED ALIGNMENT.

WATER MAIN NOTES (CONT.)

- WHERE A PIPE IS TO BE PLACED WITHIN AN EMBANKMENT OR THE TOP OF THE PIPE IS ABOVE THE EXISTING GROUND, CONSTRUCT THE EMBANKMENT TO AT LEAST 6 INCHES (150 MM) ABOVE THE TOP OF THE PIPE BEFORE TRENCHING FOR THE PIPE. EXCAVATE THE TRENCH TO THE MINIMUM WIDTH NECESSARY FOR THE PROPER PLACING AND BACKFILLING OF THE PIPE.
- INSTALL COPPERHEAD TRACER TAPE (#10 ON HDPE, #12 ON OTHER PIPES) OVER COPPER AND NON-METALLIC WATER LINES, INCLUDING SERVICE LINES. PLACE THE TRACER TAPE APPROXIMATELY 1 FOOT (0.3 M) ABOVE THE TOP OF THE LINE AND EXTEND THE TAPE FOR THE LINE'S FULL LENGTH. USE TRACER TAPE THAT IS A DETECTABLE TYPE AND IS MARKED "WATER". TRACER TAPE SHALL BE INSTALLED IN EVERY VALVE BOX, AND LOCATED ALONG THE OUTSIDE OF THE VALVE BOX WITH A HOLE DRILLED INTO THE VALVE BOX AT THE TOP OF THE CASTING.
- LAY FIRE HYDRANTS, VALVES, AND FITTINGS ON TREATED BLOCKING AND HOLD THEM IN POSITION BY WEDGES. BED BLOCKS FIRMLY IN THE BOTTOM OF THE TRENCH WITH UNIFORM BEARING AND WITH THE LONG DIMENSION OF THE BLOCK PERPENDICULAR TO THE PIPE BARREL. ENSURE THAT THE BLOCKS ARE LEVEL ACROSS THE TRENCH AND THAT THE PROPER NUMBER OF BLOCKS ARE PLACED ONE UPON THE OTHER TO BRING THE FITTINGS TO THE REQUIRED GRADE FOR JOINTING.
- AT THE CLOSE OF THE JOB, ALL EXISTING LINES SHOULD BE CUT AND CAPPED AND ABANDONED IN PLACE. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES. THE CONTRACTOR DOES NOT NEED TO FILL THE PIPES WITH SAND OR OTHER MATERIAL.
- THE CITY OF CAMBRIDGE WILL PERFORM BACTERIA TESTING. CONTRACTOR SHALL REQUEST BACTERIA TESTING A MINIMUM OF 24-HOURS IN ADVANCE. CONTRACTOR SHALL PERFORM ALL OTHER REQUIRED TESTS.
- FURNISH PLUGS, CAPS, TEES, HYDRANTS, AND ELBOWS OR BENDS HAVING A DEFLECTION OF 11 1/4 DEGREES OR GREATER WITH CONCRETE THRUST BLOCKING. CONSTRUCT THE THRUST BLOCKING BY PLACING CONCRETE CLASS QC-MISC. BETWEEN FIRM ORIGINAL UNDISTURBED EARTH AND THE FITTING TO BE ANCHORED. PLACE AND SHAPE THE THRUST BLOCKING IN A MANNER SATISFACTORY TO THE ENGINEER WITH THE THRUST FORCE CONTAINED BY THE BLOCKING. PLACE THE HARDWOOD BLOCKS BETWEEN THE PLUGS, CAPS, AND HYDRANTS, AND THE THRUST BLOCKING. PLACE THE THRUST BLOCKING SO THAT IT ALLOWS FOR PIPE AND JOINT ACCESSIBILITY OR REPAIR.
- RESTRAIN PUSH-ON OR MECHANICAL JOINTS AND FITTINGS BY USE OF ROMAC GRIP RINGS/600 SERIES PIPE RESTRAINT, WITH REQUIRED HARDWARE. PROTECT THE DEVICES AGAINST CORROSION BY THE APPLICATION OF AN ASPHALT COATING. RESTRAIN MECHANICAL JOINTS BY A WEDGE ACTION TYPE JOINT RESTRAINT WITH TWIST-OFF NUTS. IF POLYETHYLENE ENCASEMENT IS SPECIFIED, ENSURE THAT THE ENCASEMENT COVERS THE ENTIRE ASSEMBLY. THE CONTRACTOR MAY USE RESTRAINING DEVICES INSTEAD OF THRUST BLOCKING WHEN APPROVED BY THE ENGINEER.
- APPLY A HYDROSTATIC TEST TO THE WHOLE SYSTEM OR TO ALL INDIVIDUAL VALVED-OFF SECTIONS OF THE MAINS WHERE WORK HAS BEEN PERFORMED. PERFORM THE HYDROSTATIC TESTS ACCORDING TO AWWA C605, EXCEPT MAKE THE TEST PRESSURE GREATER THAN 150 POUNDS PER SQUARE INCH (1000 KPA). ENSURE THAT THE QUANTITY OF WATER LOST FROM THE MAIN DOES NOT EXCEED THE NUMBER OF GALLONS (LITERS) PER HOUR AS DETERMINED IN AWWA C605.
- AFTER PASSING THE HYDROSTATIC TESTING, DISINFECT THE COMPLETED WATER WORK ACCORDING TO AWWA. MAKE ALL NECESSARY TAPS AND FURNISH ALL EQUIPMENT AND LABOR REQUIRED FOR THE DISINFECTIONS. OBTAIN THE CITY OF CAMBRIDGE'S APPROVAL OF THE TIME AND THE SECTION OF LINE TO BE DISINFECTED.
- NO WATER SERVICE CONNECTIONS SHALL BE MADE UNTIL AFTER THE MAINLINE HAS BEEN TESTED AND STERILIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING WATER SYSTEM RESULTING FROM NONCONFORMANCE WITH SPECIFICATIONS AND/OR GENERAL NEGLIGENCE.
- IN LOCATIONS WHERE EXISTING FEATURES (E.G. RETAINING WALLS, LANDSCAPE TIMBERS, LANDSCAPE ROCKS, FLOWER BEDS, SIDEWALKS ETC.) ARE IN CONFLICT WITH THE WATER MAIN AND/OR SERVICE LINE CONSTRUCTION THE CONTRACTOR SHALL TAKE MEASURES TO PROTECT THE EXISTING FEATURES FROM DAMAGE. ANY EXISTING FEATURES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR IN-KIND AND AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF BOTH THE OWNER AND THE CITY, WITH APPROVAL FROM THE CITY THE CONTRACTOR MAY ELECT TO UTILIZE TRENCHLESS CONSTRUCTION TECHNOLOGIES, WITH NO ADDITIONAL COST TO THE CITY, IN ORDER TO AVOID EXISTING FEATURES.
- IN AREAS WHERE THE PROPOSED WATER MAIN MAY BE IN CONFLICT WITH THE EXISTING STORM SEWER, SANITARY SEWER LATERALS, AND/OR GAS MAIN OR SERVICES, THE CONTRACTOR SHALL AVOID CONFLICTS TO THE EXTENT PRACTICABLE BY ADJUSTING THE DEPTH OF THE WATER MAIN. ALL ADJUSTMENTS MUST BE APPROVED BY THE CITY ENGINEER. WHERE PROPOSED WATER MAINS CROSS EXISTING UTILITIES AND LATERALS/SERVICES, THE CONTRACTOR SHALL PROTECT THE EXISTING LATERALS/SERVICES FROM DAMAGE. REPAIR OF THE EXISTING LATERALS/SERVICES SHALL BE AT THE CONTRACTOR'S EXPENSE.
- EXISTING FIRE HYDRANTS SHALL BE REMOVED AND RETURNED TO THE CITY OF CAMBRIDGE. ANY MATERIAL NOT OBTAINED BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR. CONTACT NICK CUNNINGHAM, CITY ENGINEER, AT 740-432-3601.
- ALL PROPOSED FIRE HYDRANTS ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING WATER SERVICE TO ALL CUSTOMERS AT ALL TIMES. THE MAXIMUM ALLOWABLE SHUT DOWN TIME SHALL BE FOUR (4) HOURS WITH PRIOR NOTIFICATION AND APPROVAL BY CITY OF CAMBRIDGE. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER LINE(S) TO PROPERTY OWNERS AFFECTED BY SHUT DOWNS EXCEEDING FOUR (4) HOURS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS REQUIREMENT.

WATER MAIN NOTES (CONT.)

- FURNISH AND INSTALL SERVICE BRANCHES, EITHER PIPE OR TUBING AND FITTINGS, AS NECESSARY, OR AS SHOWN ON THE PLANS INCLUDING THE REMOVAL OF THE EXISTING SERVICE BRANCHES OR SERVICE BOXES, AS REQUIRED ACCORDING TO THE FOLLOWING SITUATIONS. TAPPING SADDLES, CORPORATION STOPS, SERVICE STOPS, AND SERVICE BOXES, IF REQUIRED, ARE INCLUDED. AFTER THE EXISTING WATER MAIN HAS BEEN ABANDONED THE CONTRACTOR SHALL REMOVE THE EXISTING VALVE BOXES. THE REMOVAL SHALL INCLUDE THE VALVE BOX, FILL THE REMAINING VOID WITH SAND OR CONTROLLED DENSITY FILL (CDF), AND BACKFILL WITH ASPHALT IF UNDER PAVEMENT OR BACKFILL WITH SOIL, SEED AND MULCH IF IN GRASS.
- CONTRACTOR SHALL AVOID DISRUPTION TO MAIL SERVICE. THE CONTRACTOR SHALL AVOID MAIL BOXES WHEN POSSIBLE. WHEN IT IS NECESSARY TO DISTURB AN EXISTING MAILBOX, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR TEMPORARY MAIL FACILITIES UNTIL THE PERMANENT FACILITY CAN BE RESTORED. ALL MAILBOXES DISTURBED SHALL BE REPLACED IN EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE CITY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING TEMPORARY SERVICE WITH U.S.P.S.



1555 WEST MAIN STREET
NEWARK, OH 43055-9939
TEL: 740.344.5457
FAX: 614.360.0023

CHD BY DATE	DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJECT NO.:
	JIVE			

GUERNEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
GENERAL NOTES

DATE: MARCH 6, 2023

SCALE:

SHEET: 4

ITEM 203 - EXCAVATION & EMBANKMENT-AS PER PLAN:

THE ENGINEER DETERMINED QUANTITIES ARE AS FOLLOWS

ITEM 203 - EXCAVATION AS PER PLAN	194,850	CU YD
ITEM 203 - EMBANKMENT AS PER PLAN	194,436	CU YD

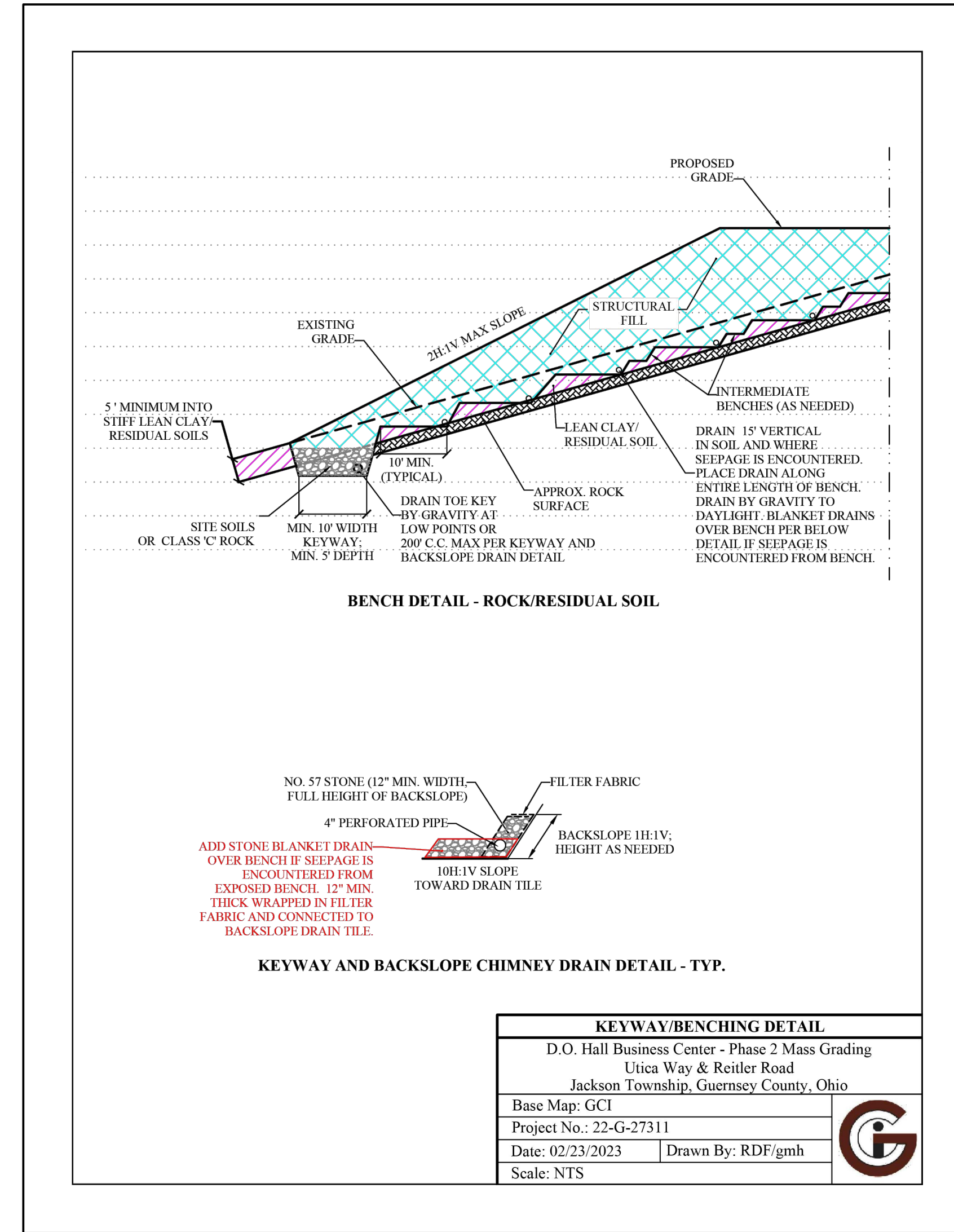
THE CONTRACTOR SHALL DETERMINE HIS OWN QUANTITIES TO BE USED FOR THE LUMP SUM LINE ITEM BIDS SUBMITTED FOR EXCAVATION AND EMBANKMENT. NO ADDITIONAL PAYMENT BEYOND THE SUBMITTED BID WILL BE GRANTED FOR DISCREPANCIES BETWEEN THE ENGINEERS CUT/FILL VERSUS THE CONTRACTOR CALCULATED CUT/FILL.

CONTRACTOR SHALL CONSTRUCT ALL KEYWAYS AND BENCHES FOR FILL 5' AND OVER IN HEIGHT PER THE KEYWAY/BENCHING DETAIL SHOWN ON THIS SHEET. THE COST SHALL BE INCLUDED WITHIN THE COST FOR EXCAVATION.

CONTRACTOR SHALL UTILIZE THE GEOTECHNICAL REPORT "PHASE 2 MASS GRADING FOR D.O. HALL BUSINESS CENTER" DATED JAN. 23, 2023, FOR GUIDANCE AND PROCEDURE ON ALL EARTH MOVING OR RELATED ACTIVITIES.

CONTRACTOR SHALL COORDINATE WITH OWNER ON LOCATION FOR SOIL STOCKPILES. STOCKPILING OF SOIL SHALL BE INCLUDED WITHIN THE COST FOR EXCAVATION.

CAD FILE: A CAD FILE IS AVAILABLE UPON REQUEST AND FOLLOWING THE SUBMITTAL OF A RELEASE FORM TO VERDANTAS. CONTACT SAMUEL EPPLLEY AT 740-224-0831 TO OBTAIN THIS RELEASE FORM AND CAD FILE.



DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO.: 16050
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REVISION			
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GUERNSEY COUNTY ~ OHIO
**D.O. HALL
UTICA WAY EXTENSION**
GENERAL NOTES

DATE:
MARCH 6, 2023

SCALE:

SHEET:

LINE NO.	ITEM	DESCRIPTION	QTY	UNIT
ROADWAY				
1	201	CLEARING AND GRUBBING	1	LS
2	202	PAVEMENT REMOVED	477	SY
3	203	EXCAVATION	194850	CY
4	203	EMBANKMENT	194436	CY
5	204	SUBGRADE COMPACTION	6297	SY
6	254	1.25" PAVEMENT PLANING, ASPHALT CONCRETE	1199	SY
EROSION CONTROL				
7	601	ROCK CHANNEL PROJECTION, TYPE D WITH FILTER	2	CY
8	659	SEEDING AND MULCHING, CLASS 1	9125	SY
9	659	REPAIR SEEDING AND MULCHING	456	SY
10	659	WATER	49	MGAL
11	659	COMMERCIAL FERTILIZER	0.83	TON
12	659	LIME	1.89	ACRE
DRAINAGE				
13	602	CONCRETE MASONRY, AS PER PLAN	1.0	CY
14	605	4" BASE PIPE UNDERDRAIN	3910	FT
15	611	4" CONDUIT, TYPE C	30	FT
16	611	PRECAST REINFORCED CONCRETE OUTLET	2	EACH
17	611	12" CONDUIT, TYPE B	275	FT
18	611	CATCH BASIN, NO. 2-3	6	EACH
PAVEMENT				
19	301	6" ASPHALT CONCRETE BASE, PG64-22	1050	CY
20	304	6" AGGREGATE BASE	1050	CY
21	407	TACK COAT @ 0.055 GAL/SY	347	GAL
22	407	TACK COAT @ 0.085 GAL/SY	102	GAL
23	441	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	261	CY
24	441	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22	307	CY
25	617	9" COMPACTED AGGREGATE	289	CY

LINE NO.	ITEM	DESCRIPTION	QTY	UNIT
SANITARY SEWER				
26	611	8" CONDUIT, TYPE B, PVC SDR 35	1744	FT
27	611	MANHOLE, NO. 1	10	EACH
WATERWORKS				
28	638	12" WATERMAIN PVC PIPE & FITTINGS, AWWA C900, DR18	2246	FT
29	638	12" GATE VALVE WITH ACCESSORIES	4	EACH
30	638	FIRE HYDRANT, TYPE A	6	EACH
31	638	12"X12" TAPPING SLEEVE & VALVE	1	EACH
32	638	PLUG & THRUST BLOCK	1	EACH
INCIDENTALS				
33	103	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	1	LUMP
34	623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LUMP
35	624	MOBILIZATION	1	LUMP
36	624	AS-BUILT SURVEY	1	LUMP
ALTERNATE BID				
37	254	1.25" PAVEMENT PLANING, ASPHALT CONCRETE	2083	SY
38	407	TACK COAT @ 0.085 GAL/SY	178	GAL
39	441	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	73	CY

DESIGNED BY: LIVE	DRAWN BY: LIVE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
GENERAL SUMMARY

DATE:
MARCH 6, 2023

SCALE:

SHEET:
6

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SURVEYOR NOTES:

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

DATE OF FIELD WORK: 12/16/2022
EVERY DOCUMENT OF RECORD REVIEWED AND CONSIDERED AS A PART OF THIS SURVEY IS NOTED HEREON.

SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREIN ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH SYSTEM, NSRS 2011, GEOID12A.

BENCHMARKS/CONTROL POINTS:

AS PER THE TOPOGRAPHIC SURVEY PREPARED BY VERDANTAS, THE CONTRACTOR AND/OR HIS SURVEYOR SHALL BE RESPONSIBLE TO CROSS CHECK ALL CONTROL FOR DISTURBANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
BASIS OF BEARING: TRUE NORTH, BASED ON OBSERVATIONS; GPS DATA COLLECTED WITH TRIMBLE R8 UNIT VRS CORRECTION ON OHIO STATE PLANE SOUTH ZONE COORDINATE SYSTEM, NSRS 2011, GEOID 12A.

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	723138.0900	2224895.2500	883.52	IRON PIN W/CAP "TRAV"
4	723210.9570	2224553.6270	884.65	IRON PIN W/CAP "TRAV"
5	722931.9890	2224090.9030	892.03	IRON PIN W/CAP "TRAV"

RICHARD P. BOKANY DVM TRUSTEE
O.R. 476, PG. 354
57.01 AC.
11-00064.000

CAMBRIDGE CITY CORP. LINE
ANNEXATION TO CITY OF CAMBRIDGE
O.R. 463, PG. 1629

DK EUBANKS LLC
O.R. 523, PG. 1422
7.670 AC.
50-00013.004

COMMUNITY INDUSTRIAL ASSOCIATION
O.R. 503, PG. 2833
4.929 AC.
50-00013.007

D.O. HALL BUSINESS CENTER PHASE II SUBDIVISION
CAB. 4, SLIDE 512
O.R. 503, PG. 2833

BENCHMARK RRS IN S SIDE OF TPP #10324
N=72318.5650
E=2223951.2790
ELEV=892.52

VDT CONTROL POINT #5002
N=723355.9670
E=2224961.2100
ELEV=869.37

VDT CONTROL POINT #4
N=723210.9570
E=2224553.6270
ELEV=884.65

VDT CONTROL POINT #1
N=723138.0900
E=2224895.2500
ELEV=883.52

VDT CONTROL POINT #5001
N=723047.3120
E=2224995.2500
ELEV=883.52

VDT CONTROL POINT #5
N=722931.9890
E=2224090.9030
ELEV=892.03

COMMERCIAL INDUSTRIAL ASSOCIATION
O.R. 503, PG. 2833
43.963 AC.
50-00013.002

AMERICAN ENERGY-UTICA LLC
O.R. 513, PG. 2208
10.045 AC.
50-00013.003

AMERICAN ENERGY-UTICA LLC
O.R. 513, PG. 2208
6.963 AC.
50-00013.005

AMERICAN ENERGY-UTICA LLC
O.R. 513, PG. 2208
6.611 AC.
50-00013.006

CH=N62°21'13"W
154.73(F) 154.73(R)
RAD=572.96'
DELTA=15°31'13"

VDT CONTROL POINT #1004
N=722470.1760
E=222322.8710
ELEV=943.14

BENCHMARK RRS IN S SIDE OF TP #10323
N=722418.0910
E=222432.2170
ELEV=839.09

BENCHMARK RRS IN S SIDE OF TP #10322
N=722396.7930
E=222310.4510
ELEV=941.04

VDT CONTROL POINT #1003
N=722468.5070
E=2223297.0380
ELEV=939.63

CH=N79°39'47"W
211.22(F) 211.22(R)
RAD=636.62'
DELTA=19°05'53"

DEBORAH KAPP SALUPO
O.R. 523, PG. 2626
3.783 AC.
11-01089.001

DEBORAH KAPP SALUPO
O.R. 523, PG. 2626
4.307 AC.
11-01089.000

CH=N65°47'55"W
220.50(F) 220.50(R)
RAD=2291.83'
DELTA=5°30'53"

CH=N61°31'11"W
91.85(F) 92.16(R)

WILLIAM B. HAYES
O.R. 191, PG. 542
6.000 AC.
11-00904.000

COMMUNITY INDUSTRIAL ASSOCIATION
O.R. 253, PG. 89
14.513 AC.
11-00158.000

ELECTROLYSIS EASEMENT TO COLUMBIA GAS TRANSMISSION CORP.
O.R. 212, PG. 246



verdantas
PEOPLE FOCUSED FUTURE

1555 WEST MAIN STREET
NEWARK, OH 43055-9939
TEL 740.344.5451
FAX 614.940.0023

DESIGNED BY:	JWE
DRAWN BY:	JWE
CHECKED BY:	SCB
PROJECT NO.:	16050
CHK'D BY:	
DATE:	
REVISION:	
No.	

GUERNSEY COUNTY ~ OHIO

D.O. HALL

UTICA WAY EXTENSION

EXISTING SITE CONDITIONS

DATE: MARCH 6, 2023

SCALE: 1" = 100'

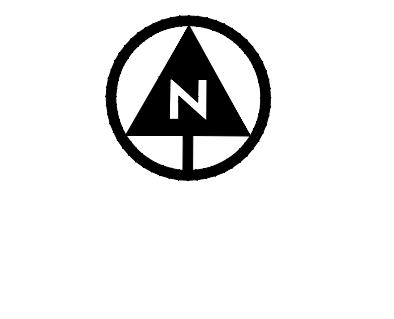
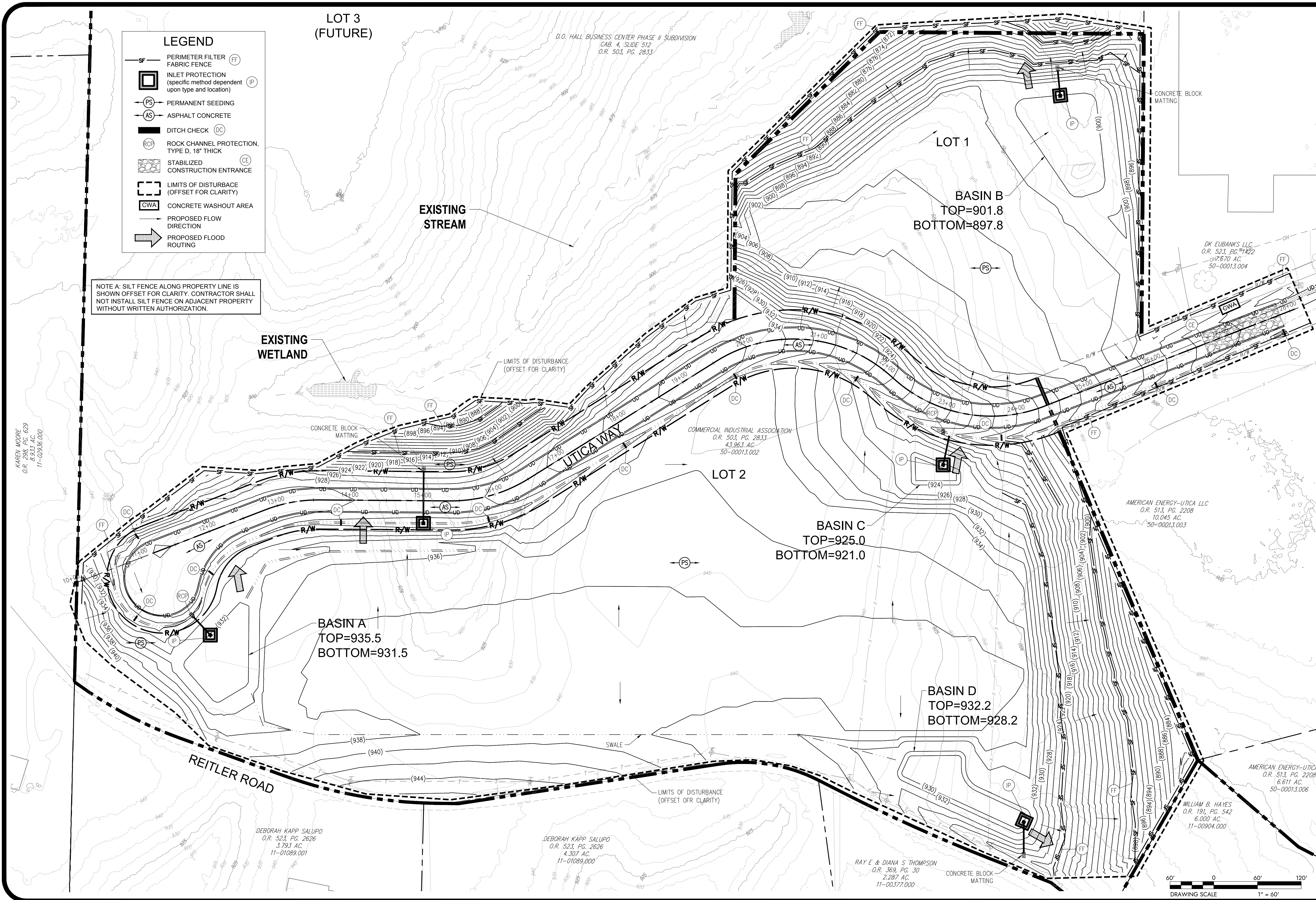
SHEET: 7

LEGEND

- PERIMETER FILTER FABRIC FENCE (FF)
- INLET PROTECTION (specific method dependent upon type and location) (IP)
- PERMANENT SEEDING
- ASPHALT CONCRETE
- DITCH CHECK (DC)
- ROCK CHANNEL PROTECTION, TYPE D, 18" THICK
- STABILIZED CONSTRUCTION ENTRANCE
- LIMITS OF DISTURBANCE (OFFSET FOR CLARITY)
- CONCRETE WASHOUT AREA
- PROPOSED FLOW DIRECTION
- PROPOSED FLOOD ROUTING

NOTE A: SILT FENCE ALONG PROPERTY LINE IS SHOWN OFFSET FOR CLARITY. CONTRACTOR SHALL NOT INSTALL SILT FENCE ON ADJACENT PROPERTY WITHOUT WRITTEN AUTHORIZATION.

LOT 3
(FUTURE)

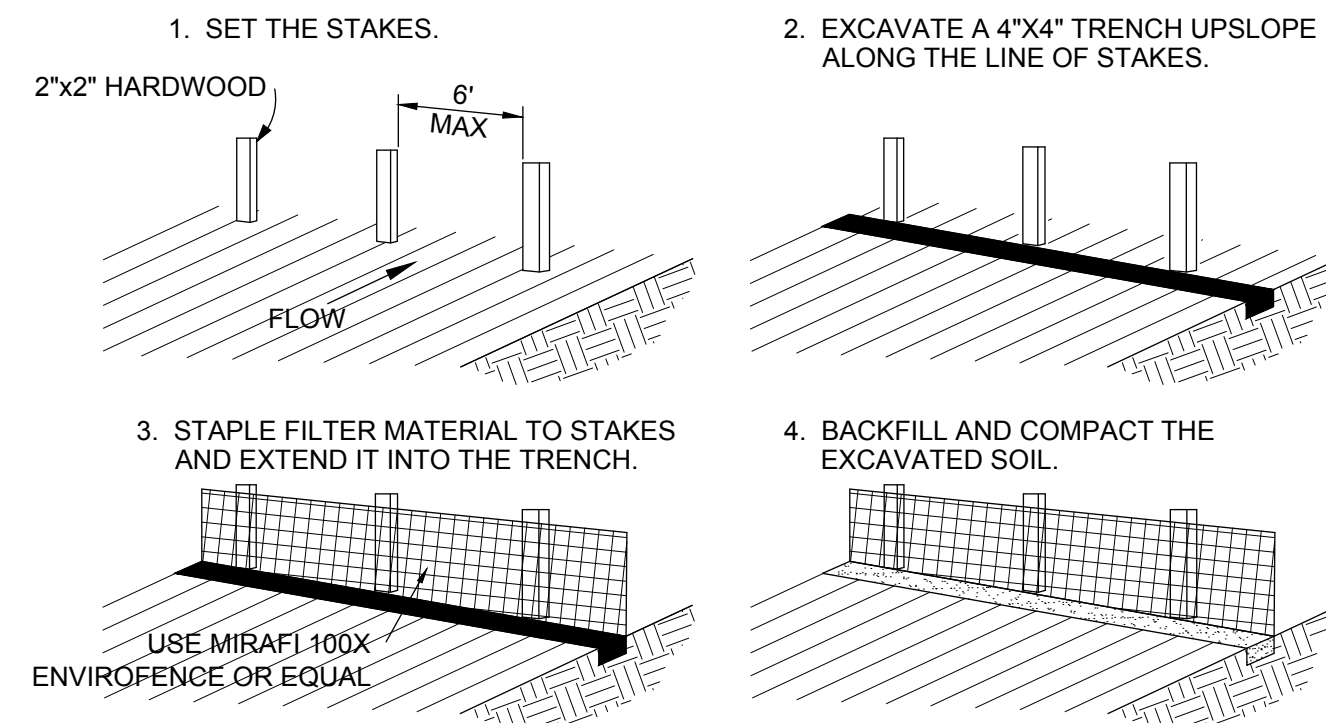


DESIGNED BY:	JWE
DRAWN BY:	JWE
CHECKED BY:	SCE
PROJECT NO.:	16050
CHK'D BY:	
DATE:	
REVISION:	
No.	

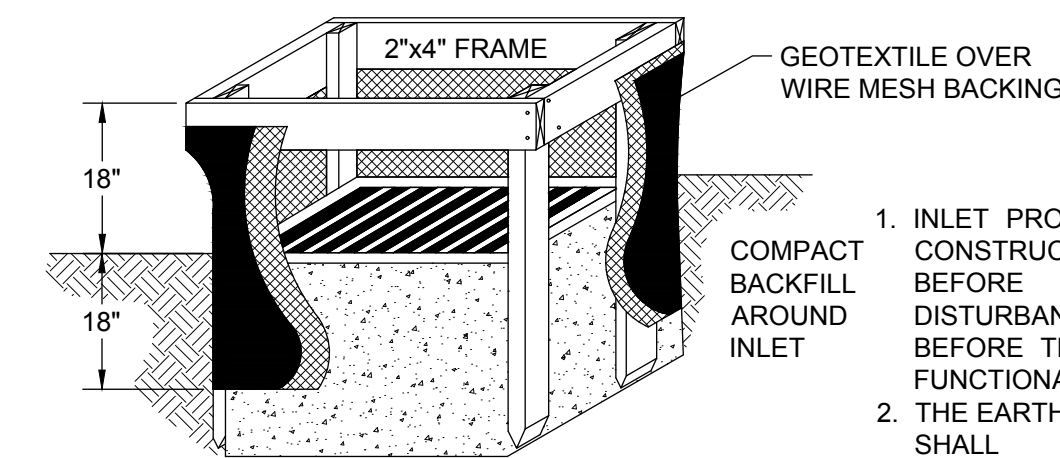
GUERNSEY COUNTY ~ OHIO
**D.O. HALL
UTICA WAY EXTENSION**
EROSION CONTROL PLAN

DATE:	MARCH 6, 2023
SCALE:	1" = 60'
SHEET:	8

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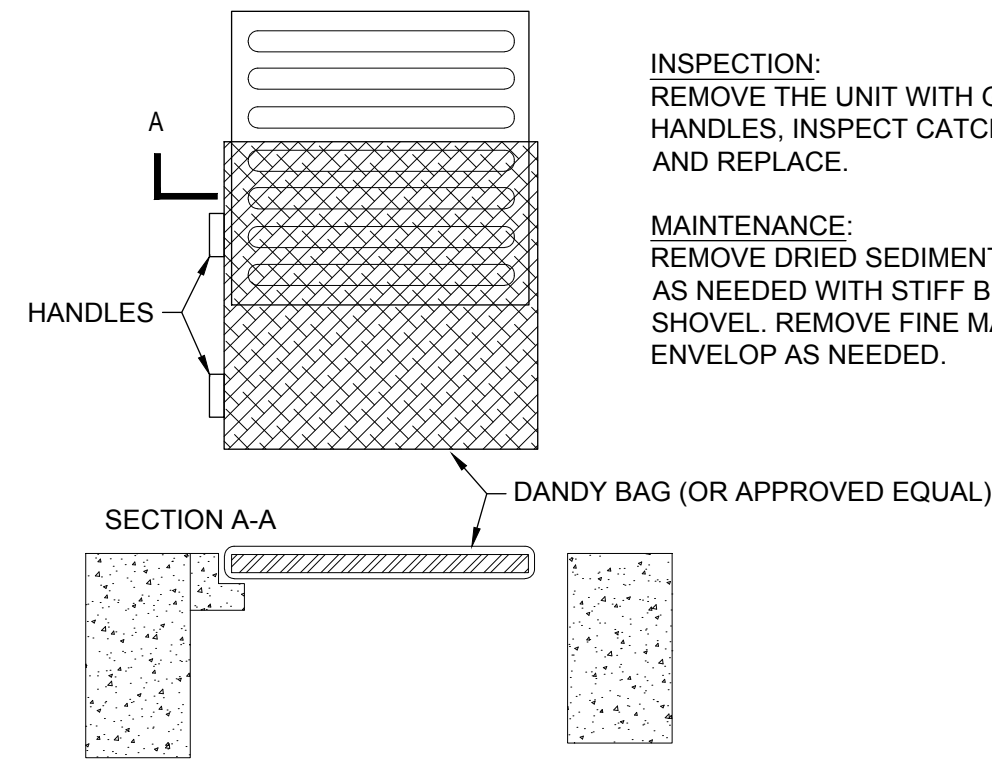


FF FILTER FABRIC FENCE (Not to Scale)



1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH CONSTRUCTION GRADE LUMBER. THE 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1) FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

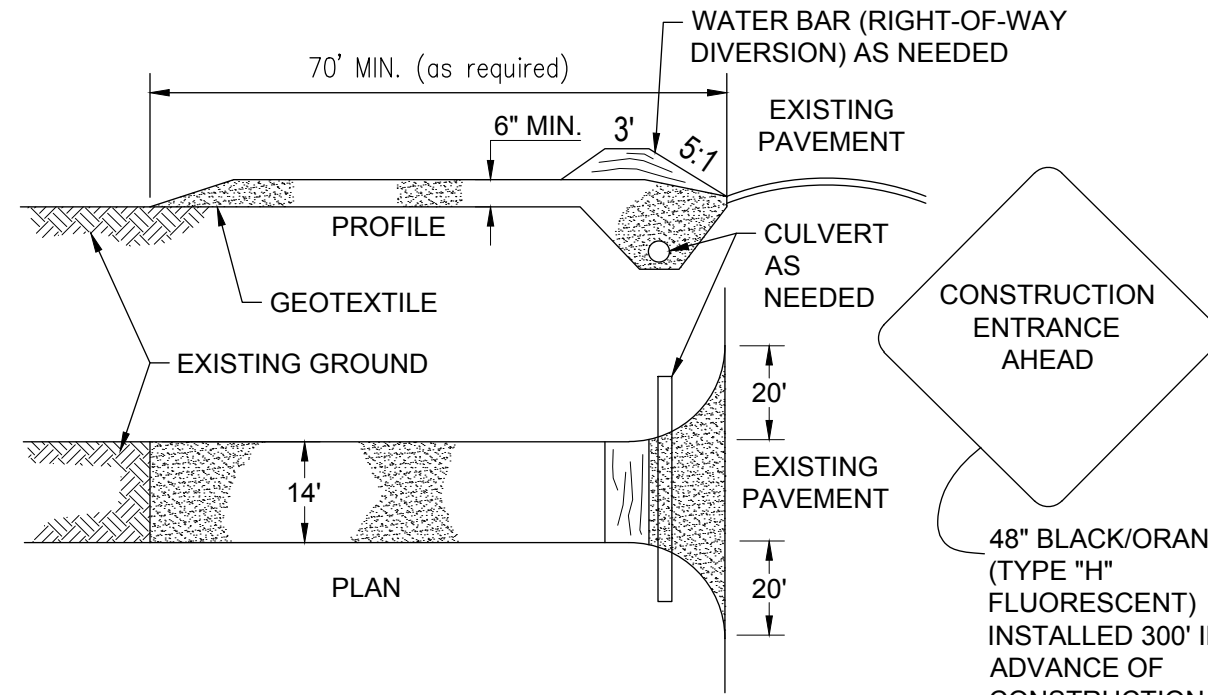
IP GEOTEXTILE INLET PROTECTION (Rainwater and Land Development rev.6-24-09)
FOR USE OUTSIDE OF PAVEMENT



DB DANDY BAG (Not to Scale)
FOR USE IN PAVEMENT

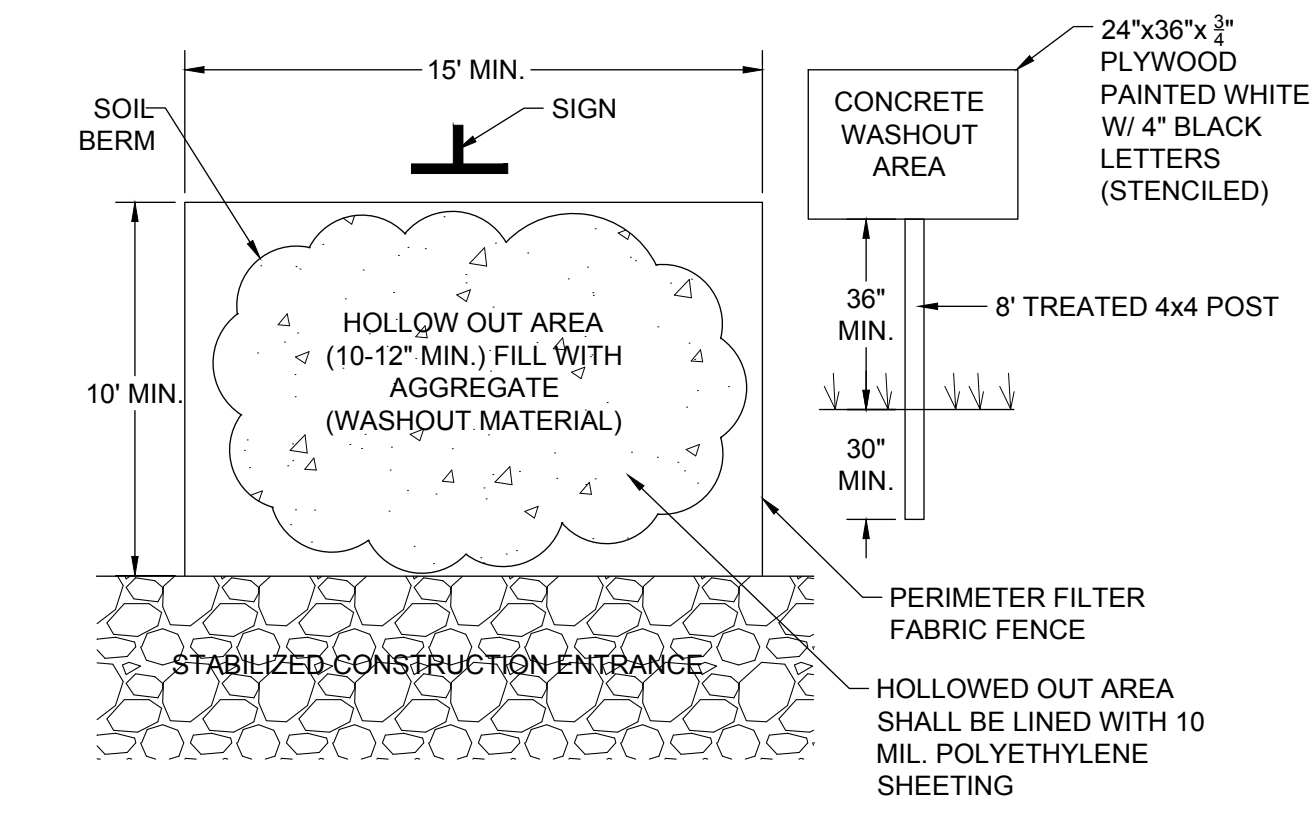
INSPECTION:
REMOVE THE UNIT WITH GRATE INSIDE BAG USING HANDLES. INSPECT CATCH BASIN OR MANHOLE AND REPLACE.

MAINTENANCE:
REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT AS NEEDED WITH STIFF BROOM OR SQUARE POINT SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

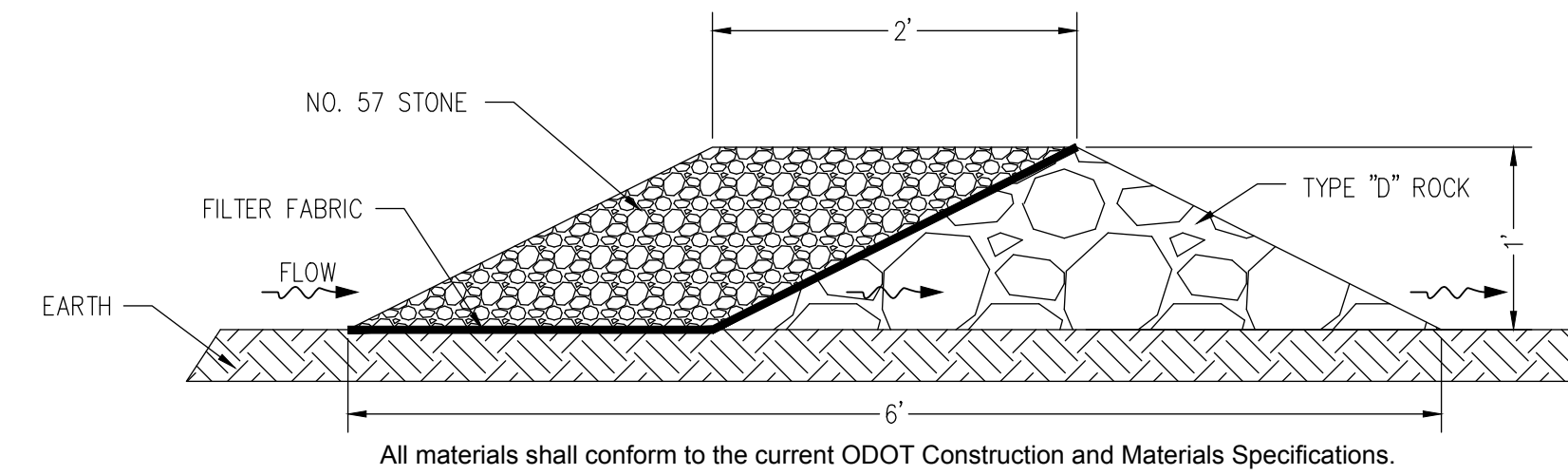


1. STONE SIZE - ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES FOR LIGHT DUTY OR AT LEAST TEN (10) INCHES FOR HEAVY DUTY.
4. WIDTH - FOURTEEN (14) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE - LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:
MIN. TENSILE STRENGTH = 200 LBS. MIN. PUNCTURE STRENGTH = 80 PSI
MIN. TEAR STRENGTH = 50 LBS. MIN. BURST STRENGTH = 320 PSI
MIN. ELONGATION = 20% EQUIVALENT OPENING SIZE = EOS < 0.6MM
PERMITTIVITY = 1X10-3 CM/SEC.
6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

CE STABILIZED CONSTRUCTION ENTRANCE (Not to Scale)



CWA CONCRETE WASHOUT AREA (Not to Scale)



DC TEMPORARY DITCH CHECK (Not to Scale)
All materials shall conform to the current ODOT Construction and Materials Specifications.

DESIGNED BY:	DATE:
DRAWN BY:	REVISION:
CHECKED BY:	NO.:
PROJECT NO.:	

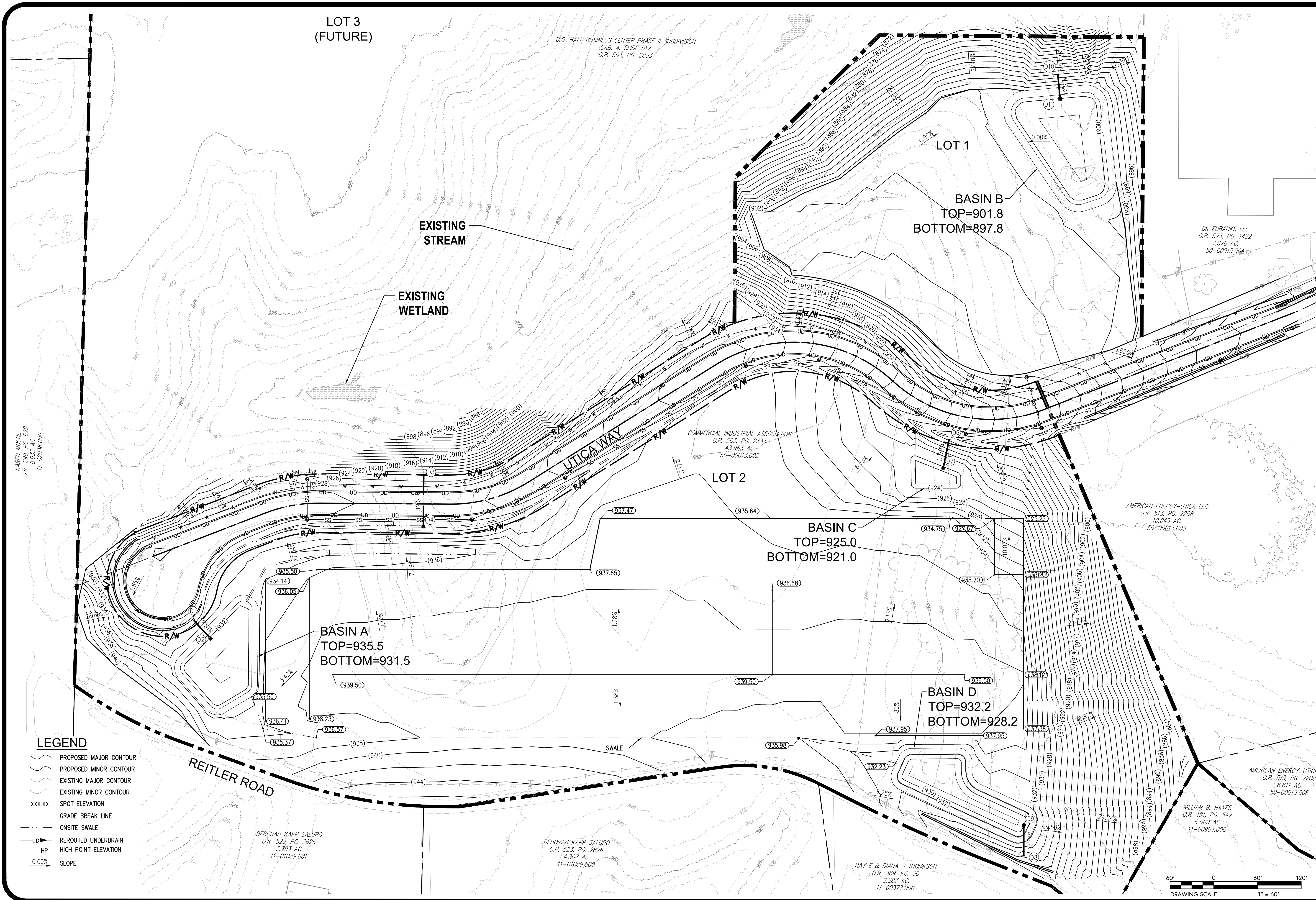
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
EROSION CONTROL DETAILS

DATE: MARCH 6, 2023

SHEET:

10

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KAREY MOORE
O.R. 286.7, PG. 629
8.647 AC.
11-02266.000

D.O. HALL BUSINESS CENTER PHASE II SUBDIVISION
CAB. 4, SLIDE 512
O.R. 503, PG. 2833

DK EUBANKS LLC
O.R. 523, PG. 1422
7.670 AC.
50-00013.004

COMMERCIAL INDUSTRIAL ASSOCIATION
O.R. 503, PG. 2833
43.963 AC.
50-00013.002

AMERICAN ENERGY-UTICA LLC
O.R. 513, PG. 2208
10.045 AC.
50-00013.003

AMERICAN ENERGY-UTICA
O.R. 513, PG. 2208
6.611 AC.
50-00013.006

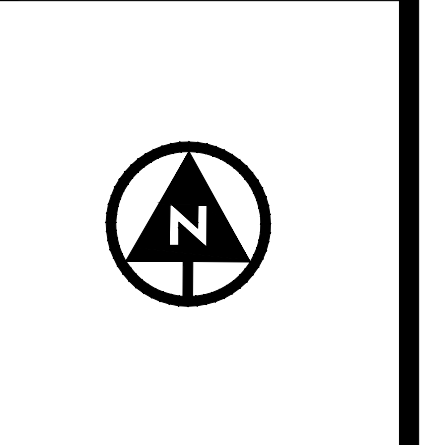
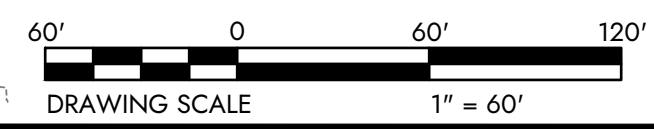
WILLIAM B. HAYES
O.R. 191, PG. 542
6.000 AC.
11-00904.000

DEBORAH KAPP SALUPO
O.R. 523, PG. 2626
4.307 AC.
11-01089.000

RAY E & DIANA S THOMPSON
O.R. 369, PG. 30
2.287 AC.
11-00377.000

DEBORAH KAPP SALUPO
O.R. 523, PG. 2626
3.793 AC.
11-01089.001

- LEGEND**
- PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - XXX.XX SPOT ELEVATION
 - GRADE BREAK LINE
 - ONSITE SWALE
 - REROUTED UNDERDRAIN
 - HP HIGH POINT ELEVATION
 - 0.00% SLOPE



DESIGNED BY:	JWE
DRAWN BY:	JWE
CHECKED BY:	SCE
PROJECT NO.:	16050
CHK'D BY:	
DATE:	
REVISION:	
No.	

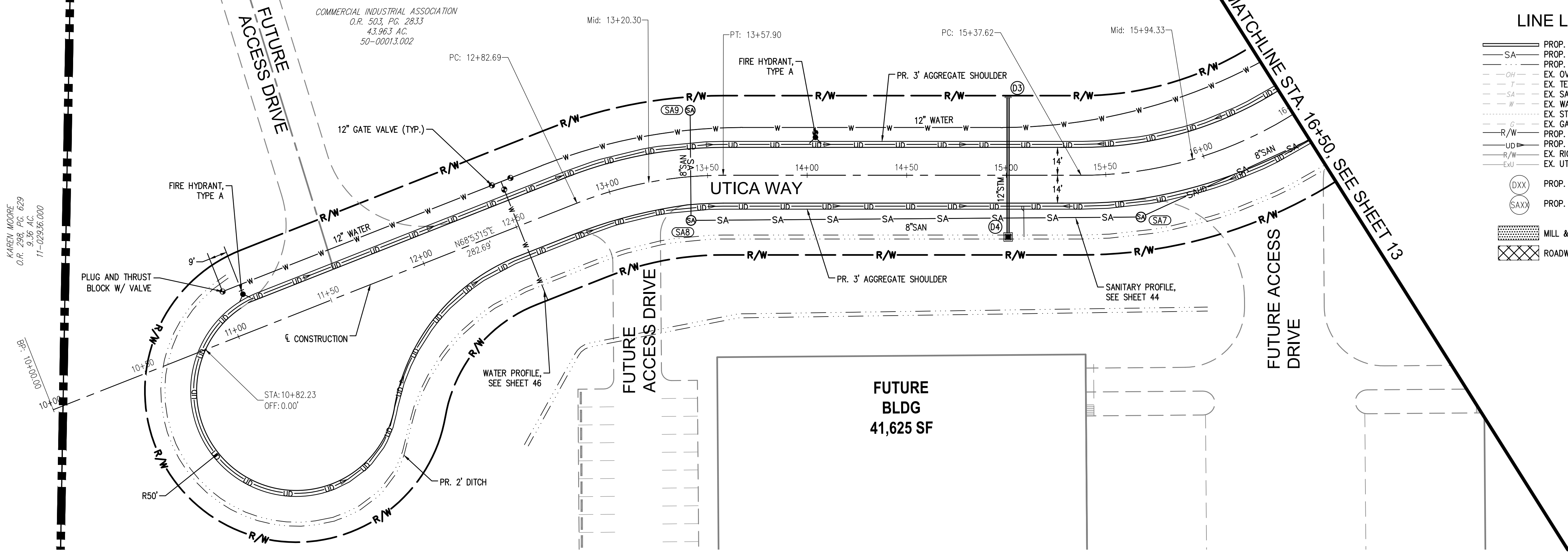
GUERNSEY COUNTY - OHIO

D.O. HALL

UTICA WAY EXTENSION

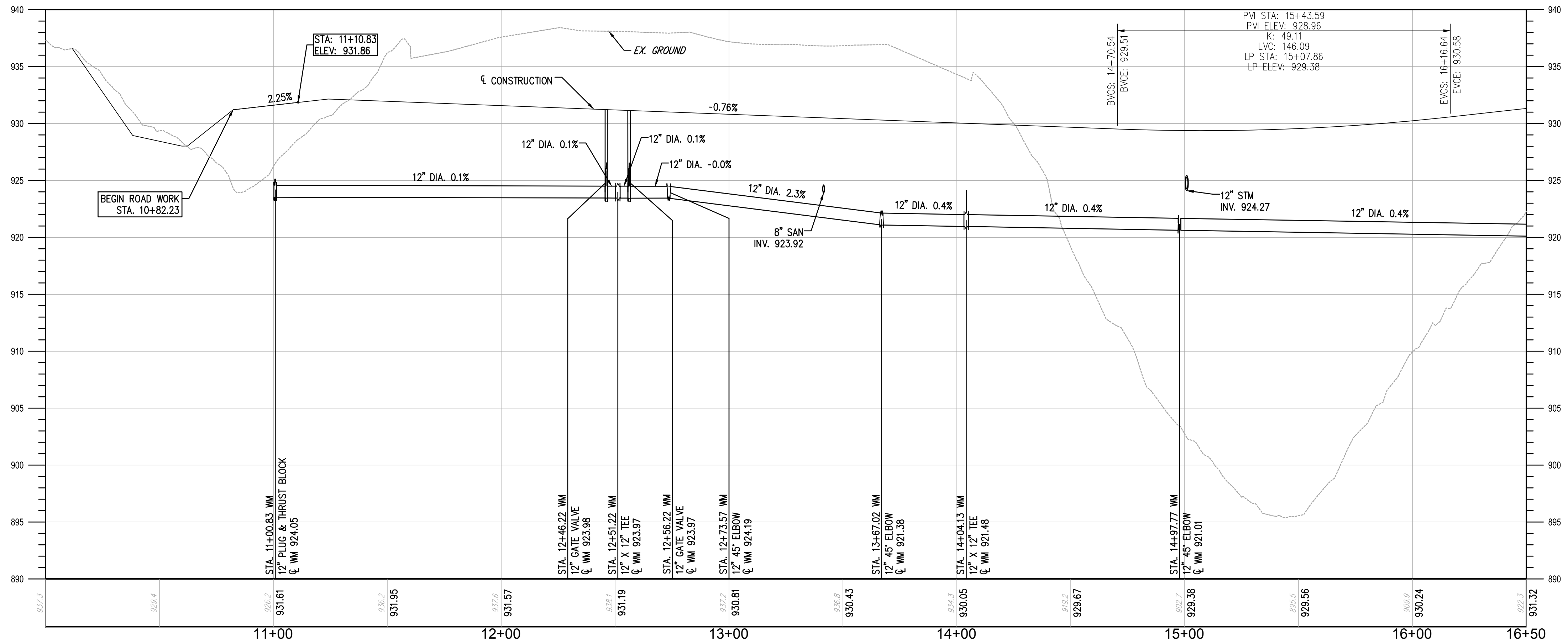
MASS GRADING PLAN

DATE:	MARCH 6, 2023
SCALE:	1" = 60'
SHEET:	11

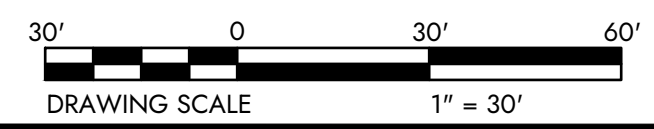


LINE LEGEND

— SA —	PROP. STORM SEWER
— SAXX —	PROP. SANITARY
- - -	PROP. DITCH
- - - OH - - -	EX. OVERHEAD ELECTRIC
- - - T - - -	EX. TELECOMMUNICATION
- - - SA - - -	EX. SANITARY
- - - W - - -	EX. WATER
- - - S - - -	EX. STORM SEWER
- - - G - - -	EX. GAS
- - - R/W - - -	PROP. RIGHT OF WAY
- - - UD - - -	PROP. UNDERDRAIN
- - - R/W - - -	EX. RIGHT OF WAY
- - - EX.U - - -	EX. UTILITY EASEMENT
(DXX)	PROP. DRAINAGE STRUCTURES
(SAXX)	PROP. SANITARY STRUCTURES
[Hatched Box]	MILL & OVERLAY LIMITS
[Cross-hatched Box]	ROADWAY WIDENING



UTICA WAY: STA. 10+00 TO STA. 16+50
SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 6'



DESIGNED BY: JIVE	DRAWN BY: JIVE	CHECKED BY: SCE	PROJECT NO. 16050
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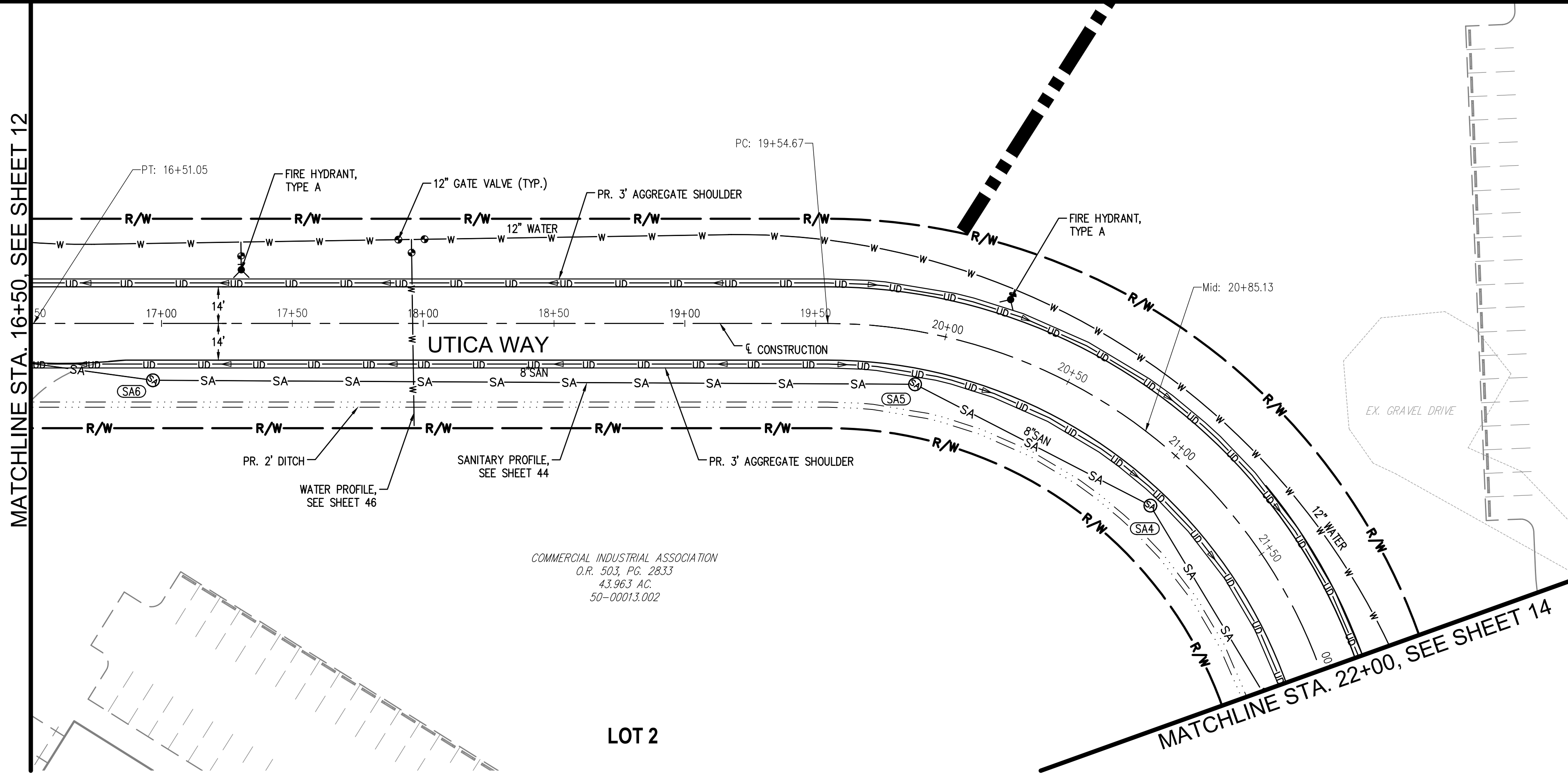
CHK'D BY	DATE	REVISION	No.

GUERNSEY COUNTY - OHIO
D.O. HALL
UTICA WAY EXTENSION
UTICA WAY PLAN & PROFILE

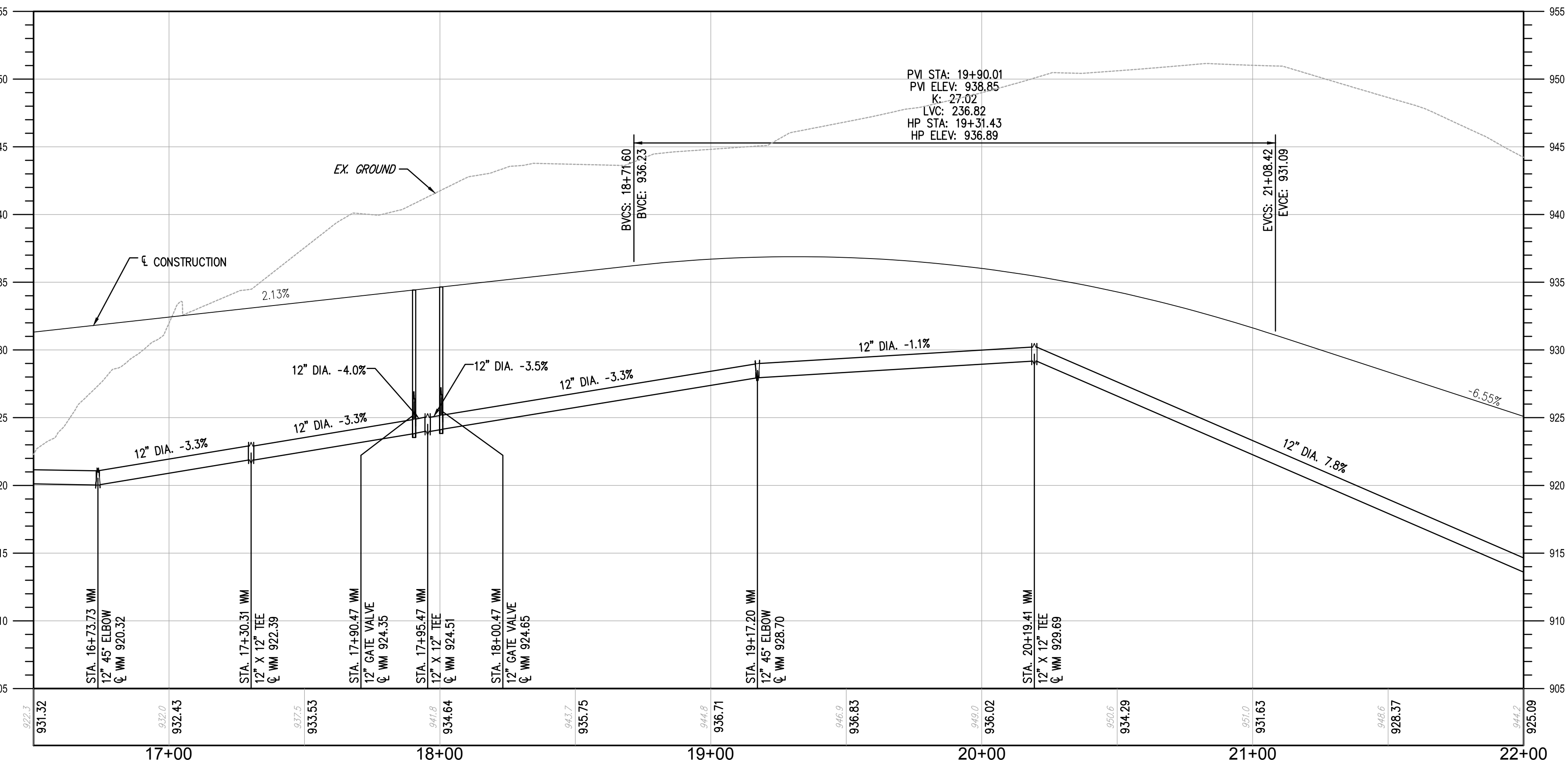
DATE: MARCH 6, 2023

SCALE: 1" = 30'

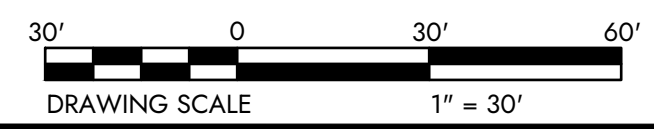
SHEET: 12



- ### LINE LEGEND
- PROP. STORM SEWER
 - SA — PROP. SANITARY
 - — PROP. DITCH
 - OH — EX. OVERHEAD ELECTRIC
 - T — EX. TELECOMMUNICATION
 - — EX. SANITARY
 - W — EX. WATER
 - — EX. STORM SEWER
 - G — EX. GAS
 - R/W — PROP. RIGHT OF WAY
 - UD — PROP. UNDERDRAIN
 - — EX. RIGHT OF WAY
 - EXU — EX. UTILITY EASEMENT
- (DXX) PROP. DRAINAGE STRUCTURES
 - (SAXX) PROP. SANITARY STRUCTURES
- [Hatched Box] MILL & OVERLAY LIMITS
 - [Cross-hatched Box] ROADWAY WIDENING



UTICA WAY: STA. 16+50 TO STA. 22+00
SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 6'



DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO.: 16090
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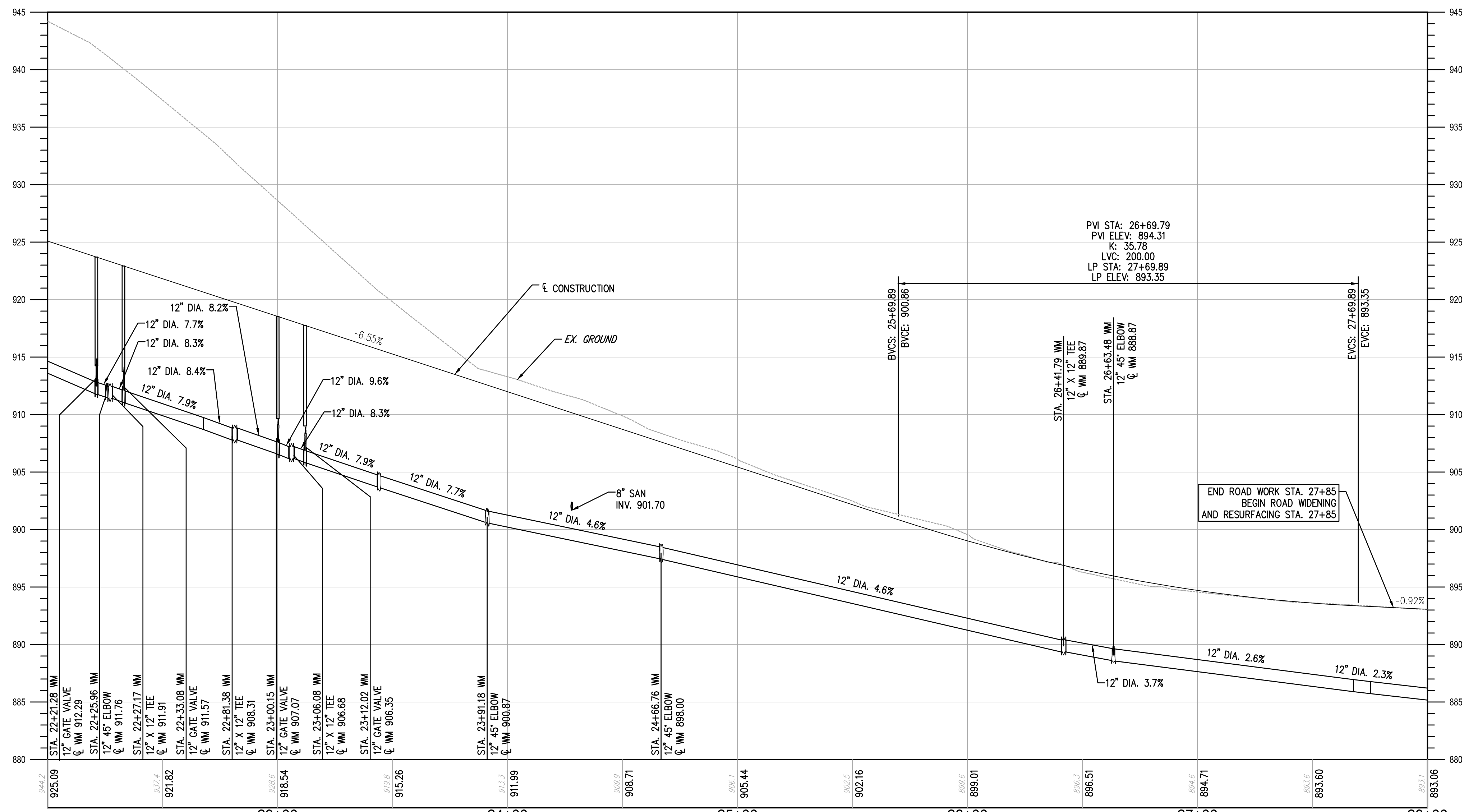
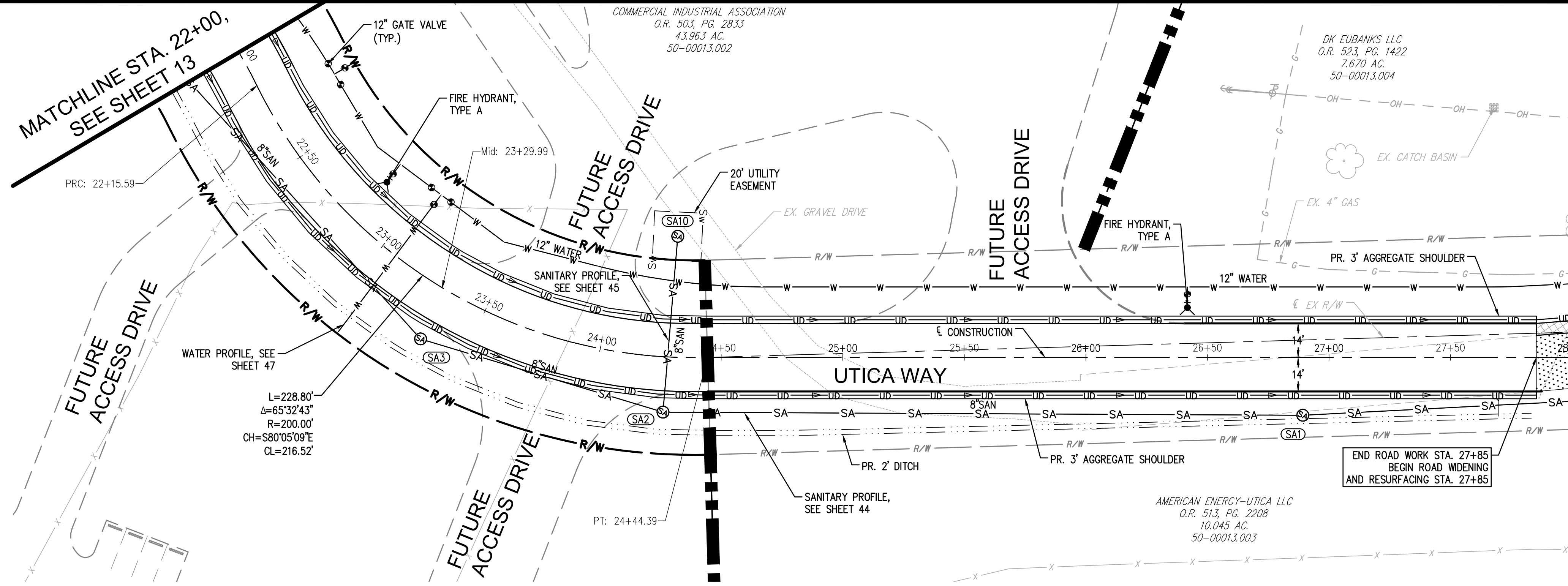
CHK'D BY	DATE	REVISION	No.

GUERNSEY COUNTY, OHIO
D.O. HALL
UTICA WAY EXTENSION
UTICA WAY PLAN & PROFILE

DATE: MARCH 6, 2023

SCALE: 1" = 30'

SHEET: 13



verdantas
PEOPLE FOCUSED FUTURE

1555 WEST MAIN STREET
NEWARK, OH 43055-9939
TEL 740.344.5451
FAX 614.960.0023

UTICA WAY EXTENSION

UTICA WAY PLAN & PROFILE

GUERNSEY COUNTY, OHIO

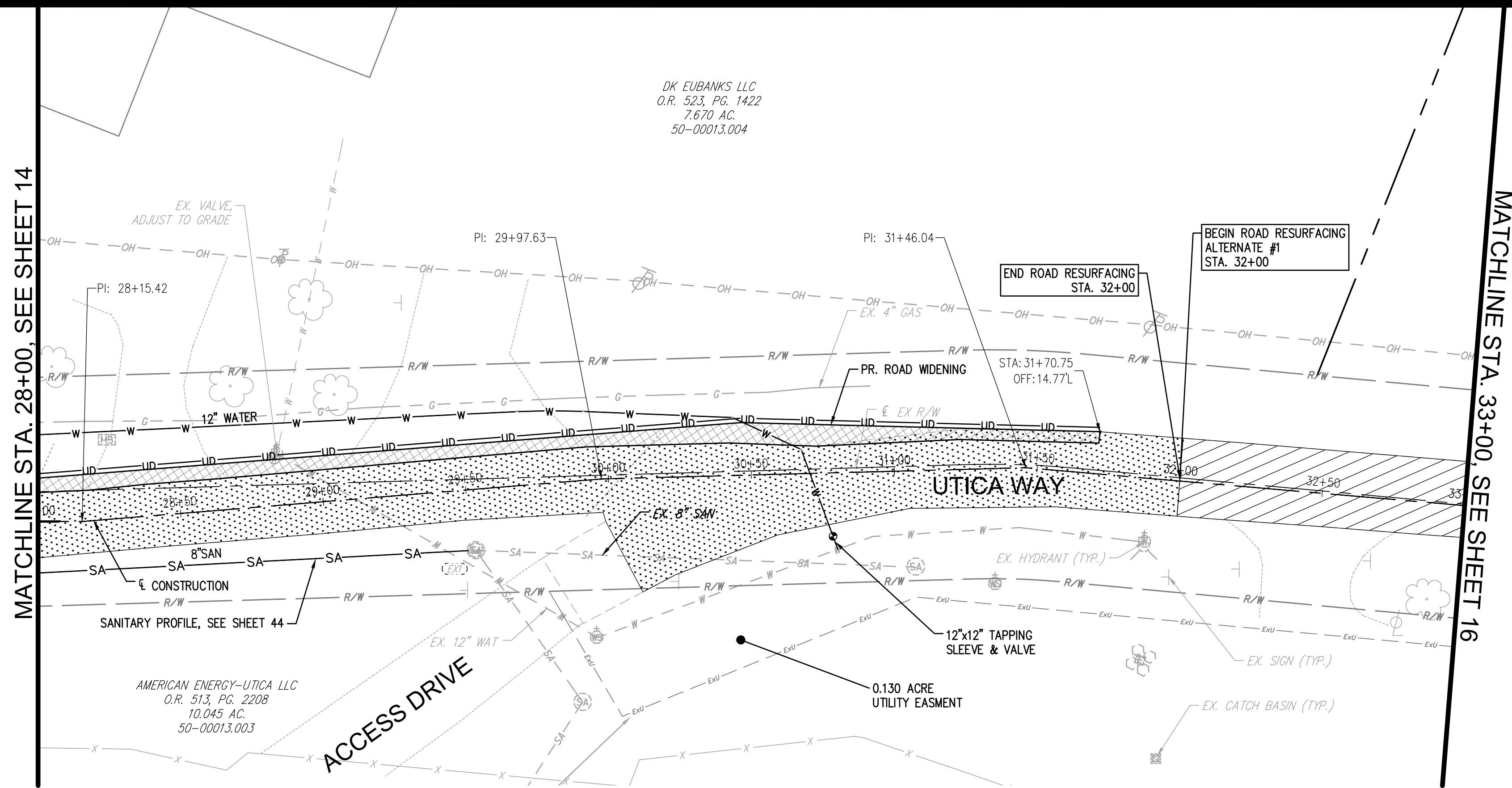
D.O. HALL

DATE: MARCH 6, 2023

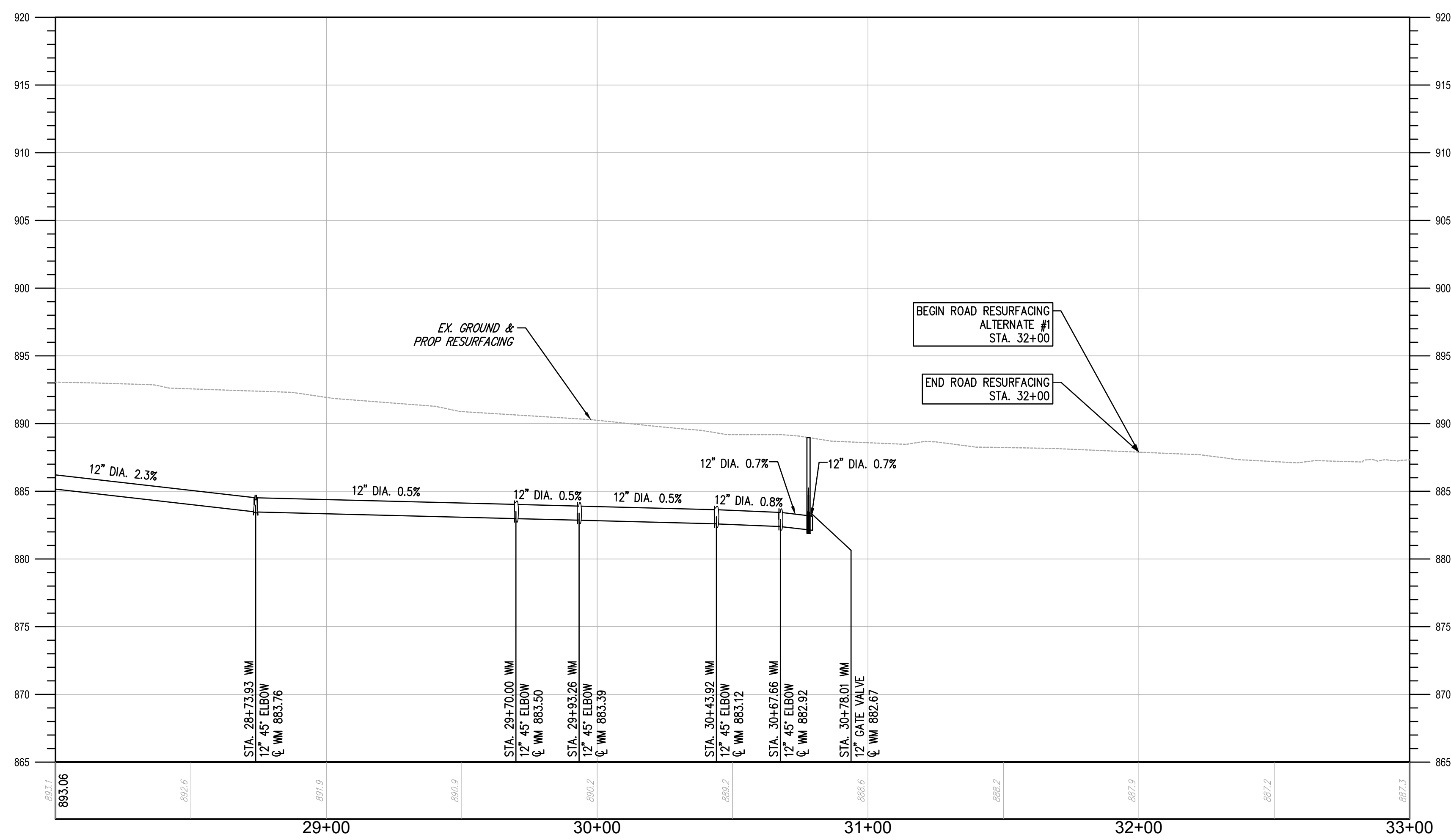
SCALE: 1" = 30'

SHEET: 14

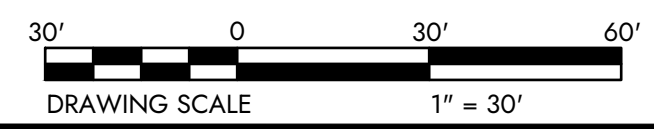
DESIGNED BY:	JIVE	DRAWN BY:	JIVE	CHECKED BY:	SCE	PROJECT NO.:	16050
CHK'D BY:							
DATE:							
REVISION:							
No.							



- ### LINE LEGEND
- PROP. STORM SEWER
 - - - PROP. SANITARY
 - - - PROP. DITCH
 - - - EX. OVERHEAD ELECTRIC
 - - - EX. TELECOMMUNICATION
 - - - EX. SANITARY
 - - - EX. WATER
 - - - EX. STORM SEWER
 - - - EX. GAS
 - - - R/W PROP. RIGHT OF WAY
 - - - UD PROP. UNDERDRAIN
 - - - R/W EX. RIGHT OF WAY
 - - - EXU EX. UTILITY EASEMENT
- (DXX) PROP. DRAINAGE STRUCTURES
 - (SAXX) PROP. SANITARY STRUCTURES
- [Pattern] MILL & OVERLAY LIMITS
 - [Pattern] MILL & OVERLAY LIMITS (ALTERNATE #1)
 - [Pattern] ROADWAY WIDENING



UTICA WAY: STA. 28+00 TO STA. 33+00
 SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 6'



DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
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CHK'D BY	DATE	REVISION	No.

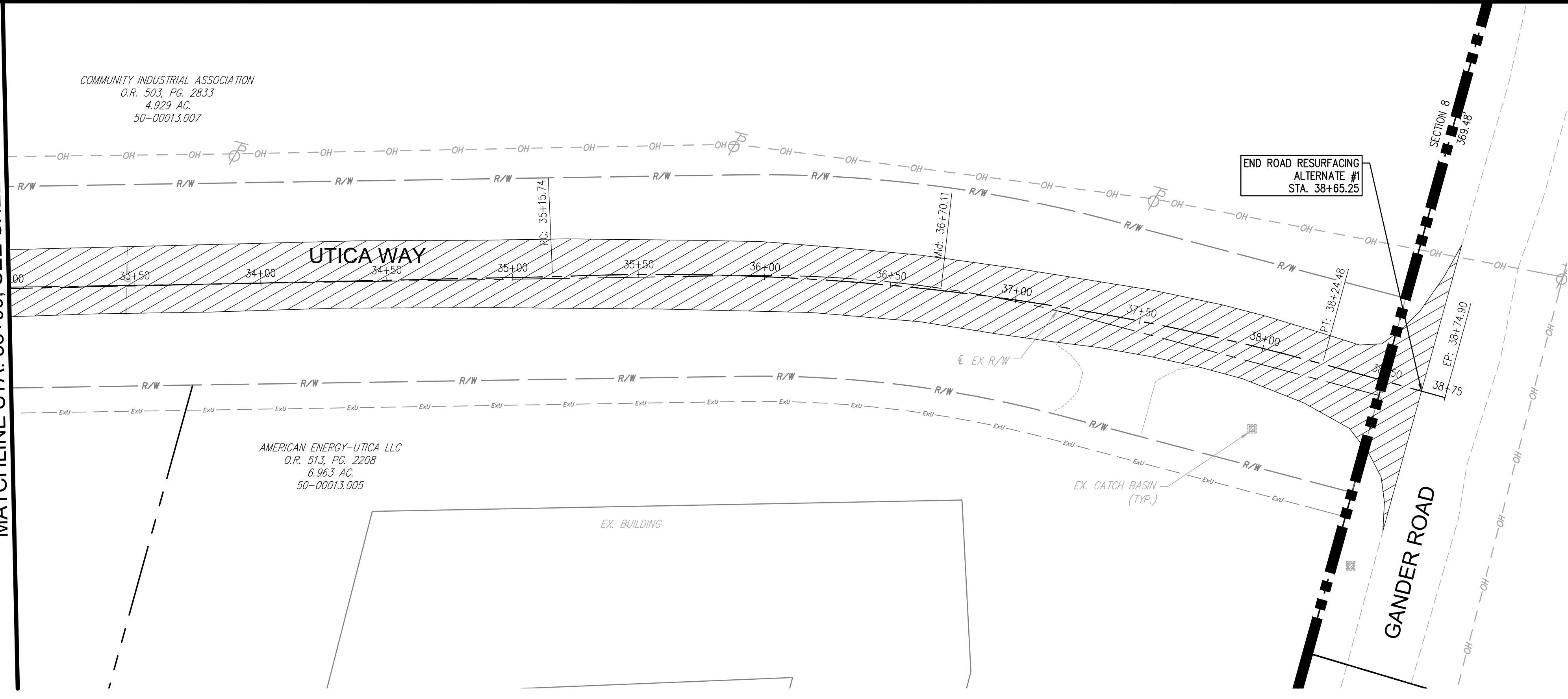
GUERNSEY COUNTY, OHIO
D.O. HALL
UTICA WAY EXTENSION
 UTICA WAY PLAN & PROFILE

DATE: MARCH 6, 2023

SCALE: 1" = 30'

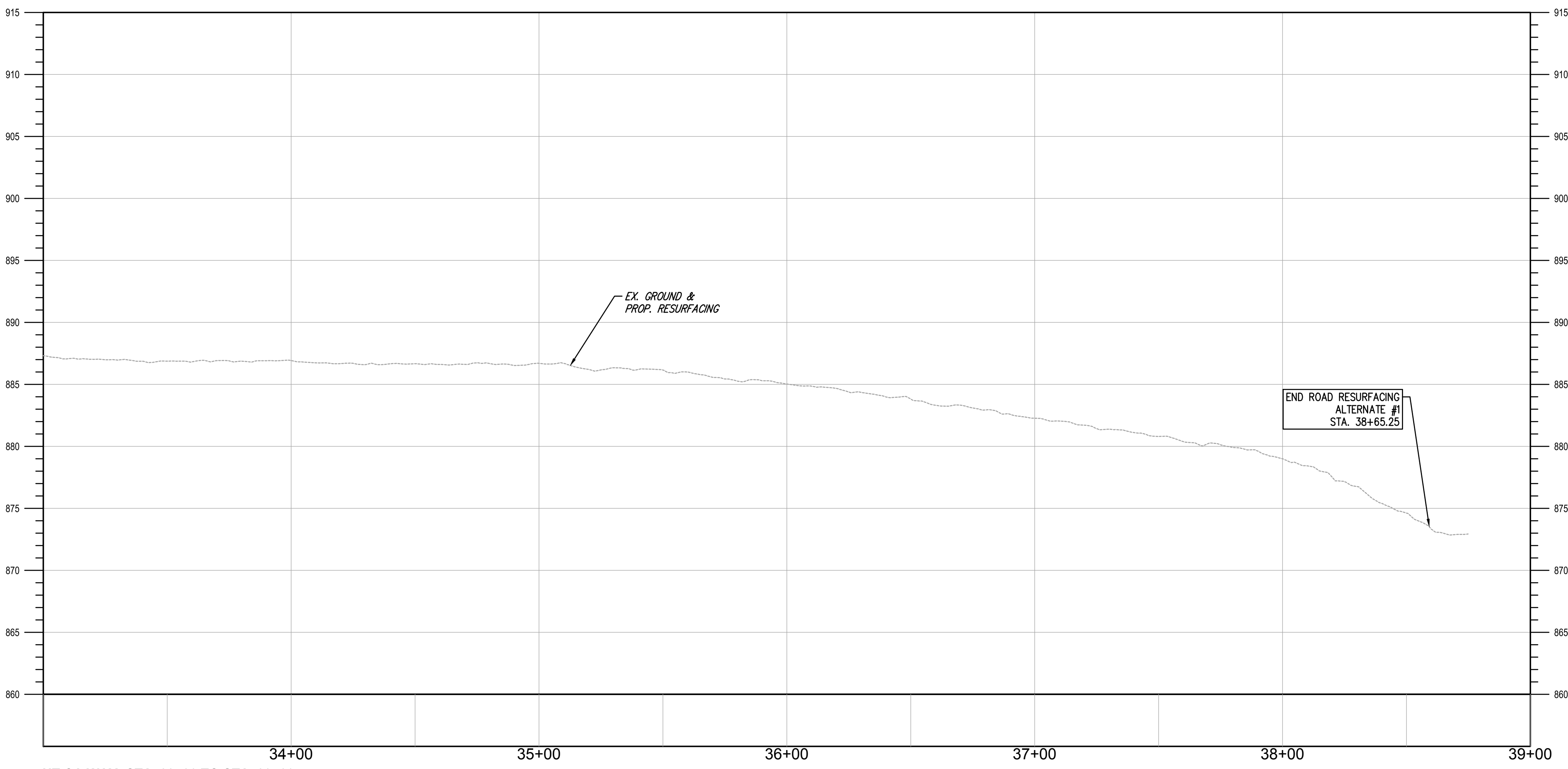
SHEET: 15

MATCHLINE STA. 33+00. SEE SHEET 15

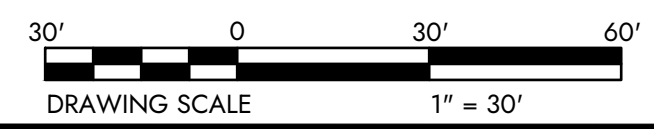


LINE LEGEND

	PROP. STORM SEWER
	PROP. SANITARY
	PROP. DITCH
	EX. OVERHEAD ELECTRIC
	EX. TELECOMMUNICATION
	EX. SANITARY
	EX. WATER
	EX. STORM SEWER
	EX. GAS
	PROP. RIGHT OF WAY
	PROP. UNDERDRAIN
	EX. RIGHT OF WAY
	EX. UTILITY EASEMENT
	PROP. DRAINAGE STRUCTURES
	PROP. SANITARY STRUCTURES
	MILL & OVERLAY LIMITS
	MILL & OVERLAY LIMITS (ALTERNATE #1)
	ROADWAY WIDENING



UTICA WAY: STA. 33+00 TO STA. 39+00
SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 6'



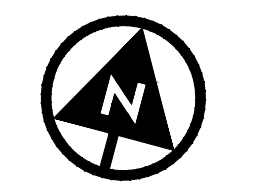
DESIGNED BY:	JIVE
DRAWN BY:	JIVE
CHECKED BY:	SCE
PROJECT NO.:	16050
CHK'D BY:	
DATE:	
REVISION	
No.	

GUERNSEY COUNTY, OHIO
D.O. HALL
UTICA WAY EXTENSION
UTICA WAY PLAN & PROFILE

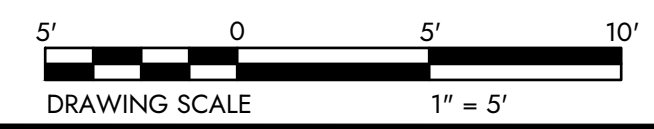
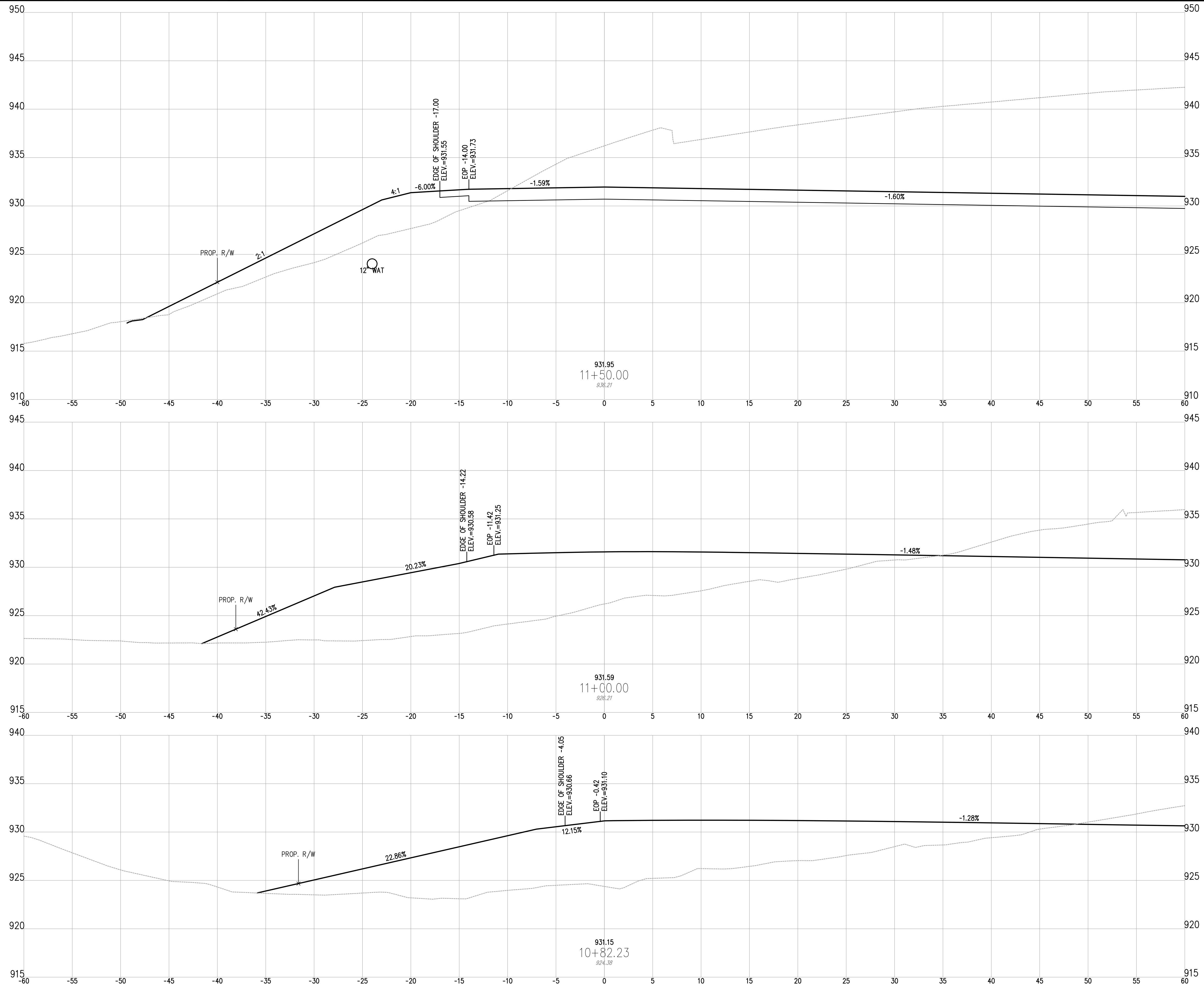
DATE: MARCH 6, 2023

SCALE: 1" = 30'

SHEET: 16



z:\project files\16000\16050\working\design\cross sections and plans\16050 cross sections.dwg



1555 WEST MAIN STREET
NEWARK, OH 43055-3939
TEL 740.344.5451
FAX 614.360.0023

DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO.: 16050
CHK'D BY: DATE			
REVISION			
No.			

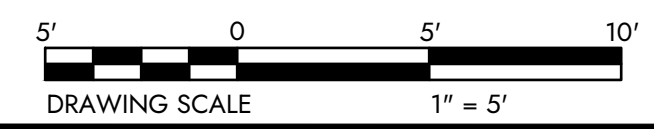
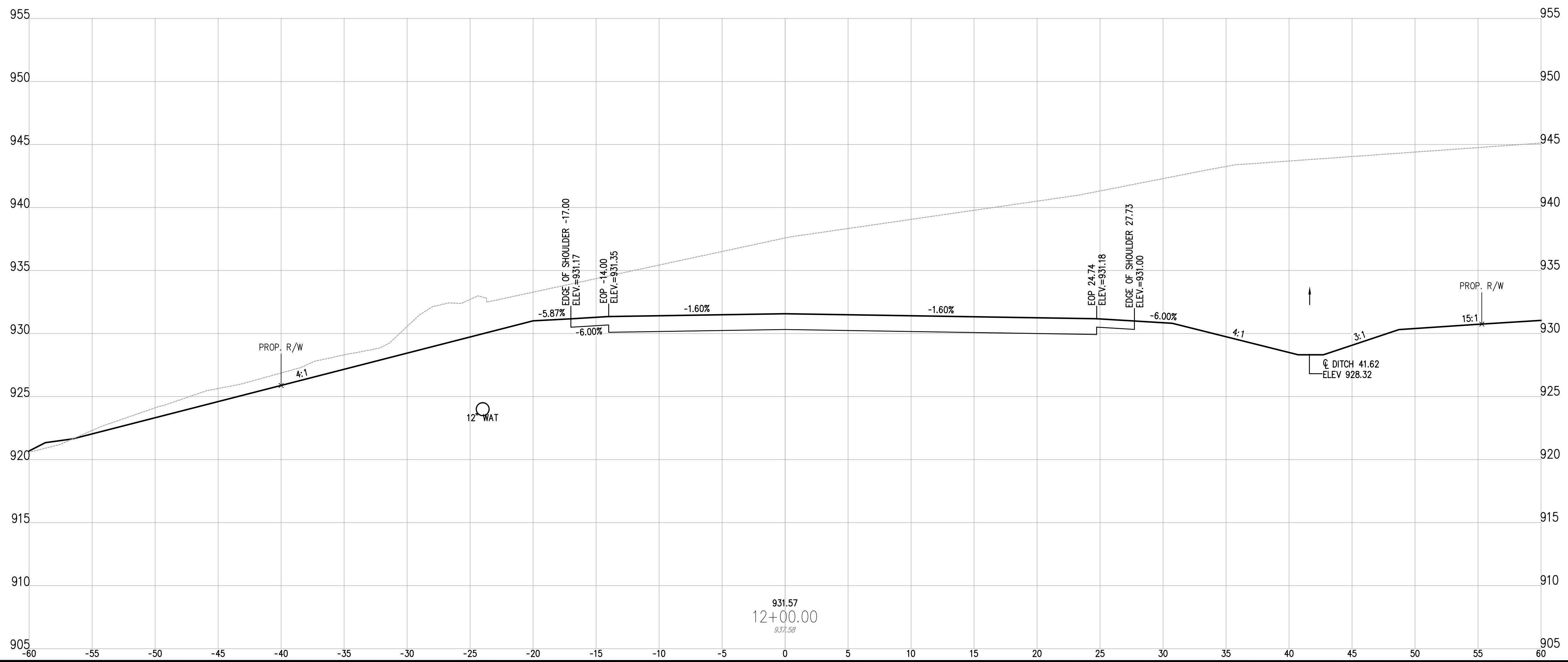
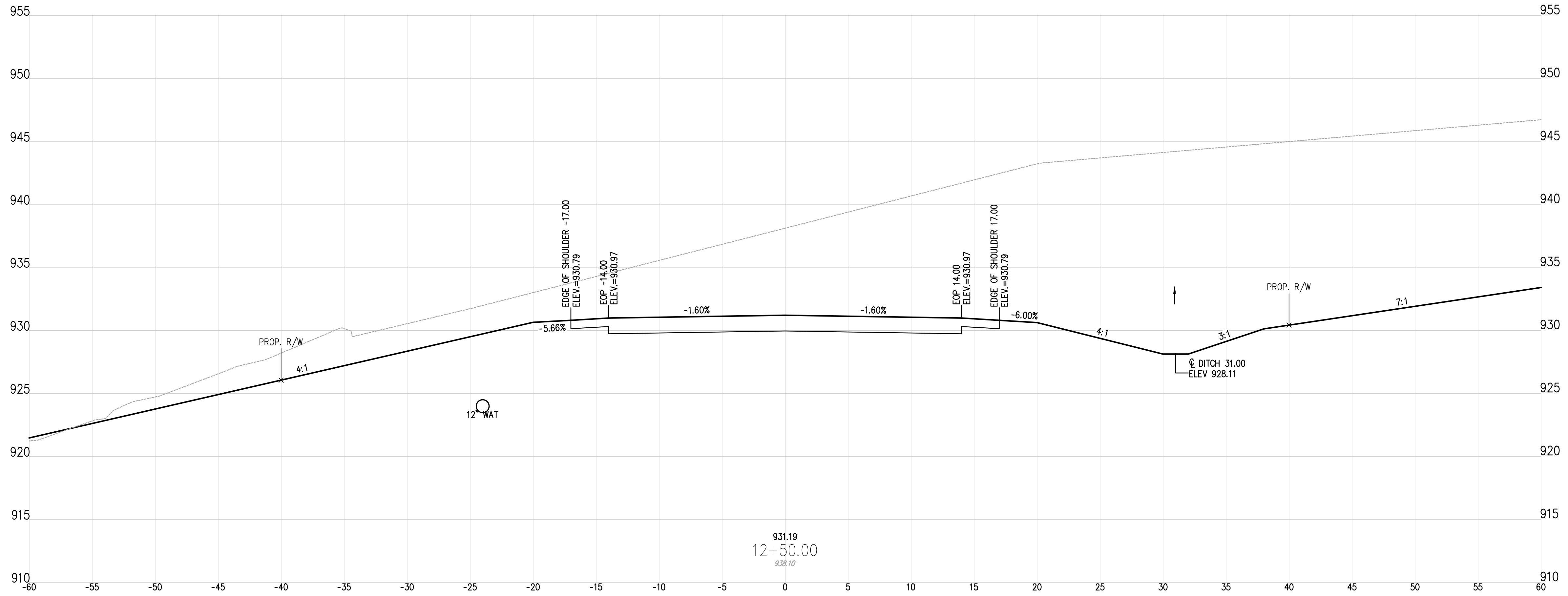
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 10+82.23 TO 11+50

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
17

z:\project files\16000\16050\working\design\hard\sheet and plan\16050-cross sections.dwg



DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

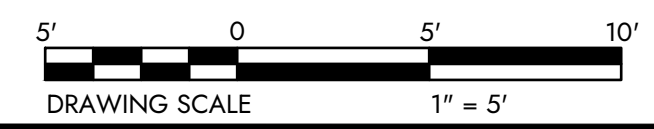
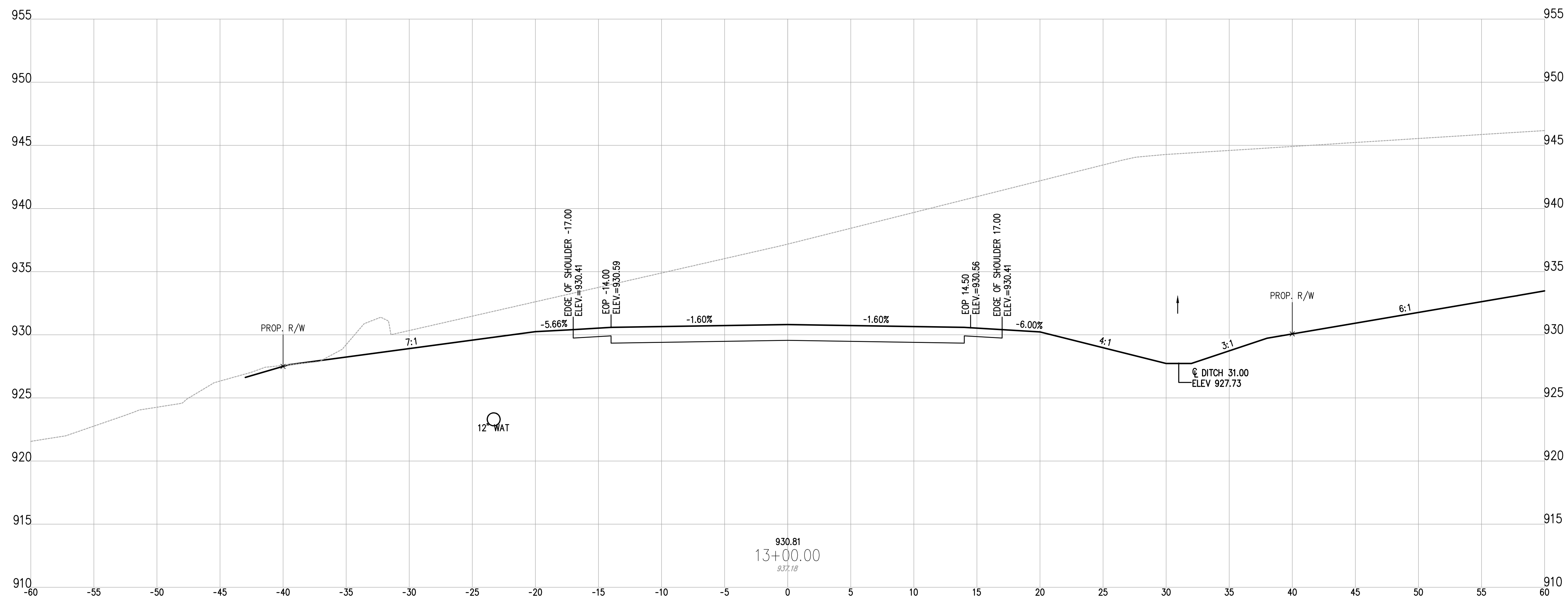
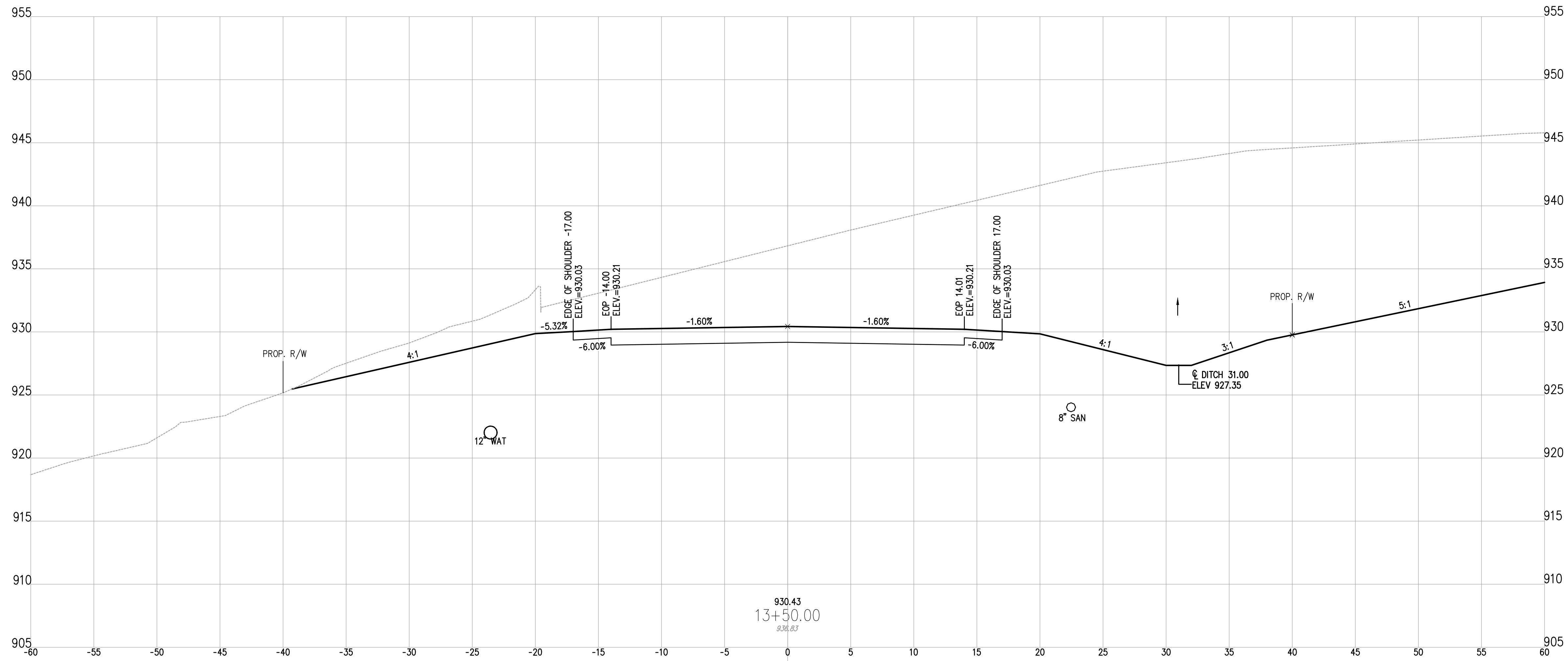
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 12+00 TO 12+50

DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 18

z:\project files\16000\16050\working\design\cross sections and plans\16050 cross sections.dwg



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CHK'D BY: DATE	REVISION	No.	

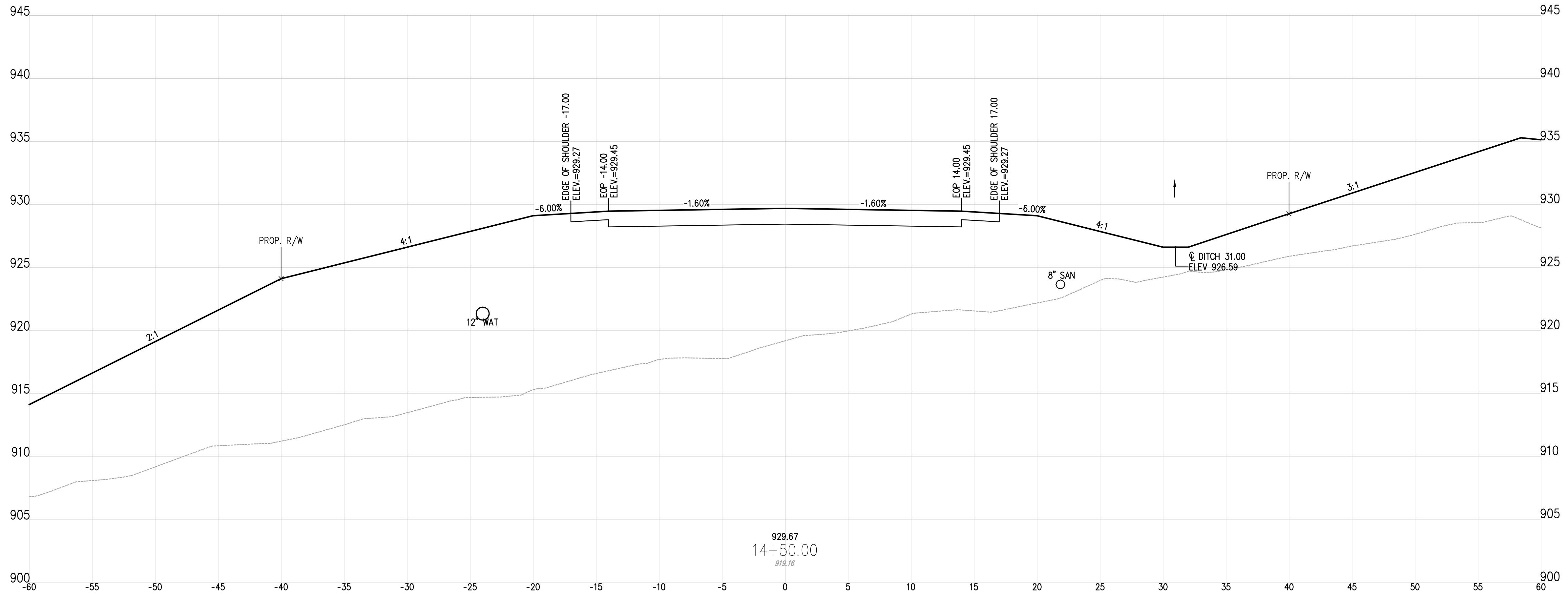
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 13+00 TO 13+50

DATE:
MARCH 6, 2023

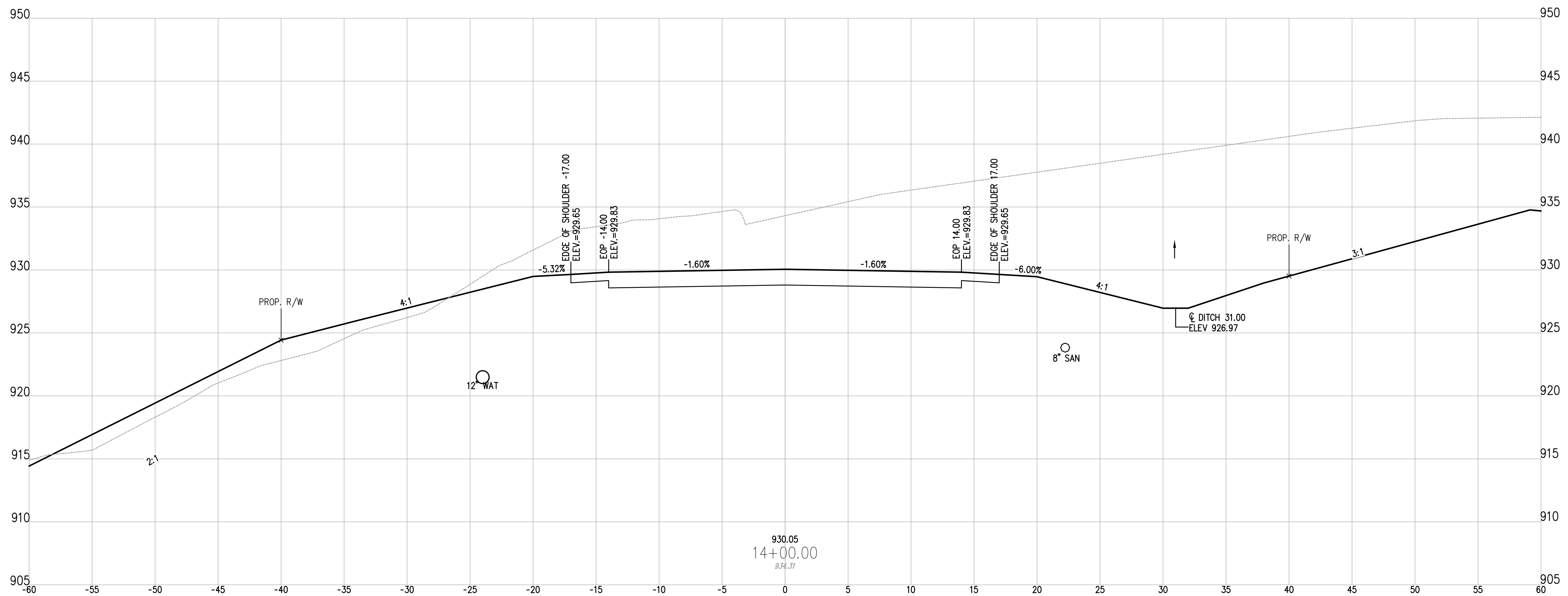
SCALE:
1" = 5'

SHEET:
19

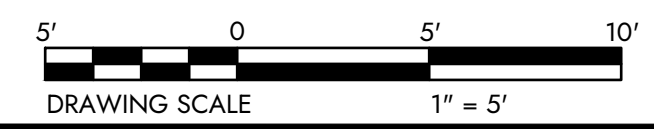
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929.67
14+50.00
919.16



930.05
14+00.00
934.37



1555 WEST MAIN STREET
NEWARK, OH 43055-9939
TEL 740.344.5451
FAX 614.360.0023

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CHK'D BY: DATE			
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No.			

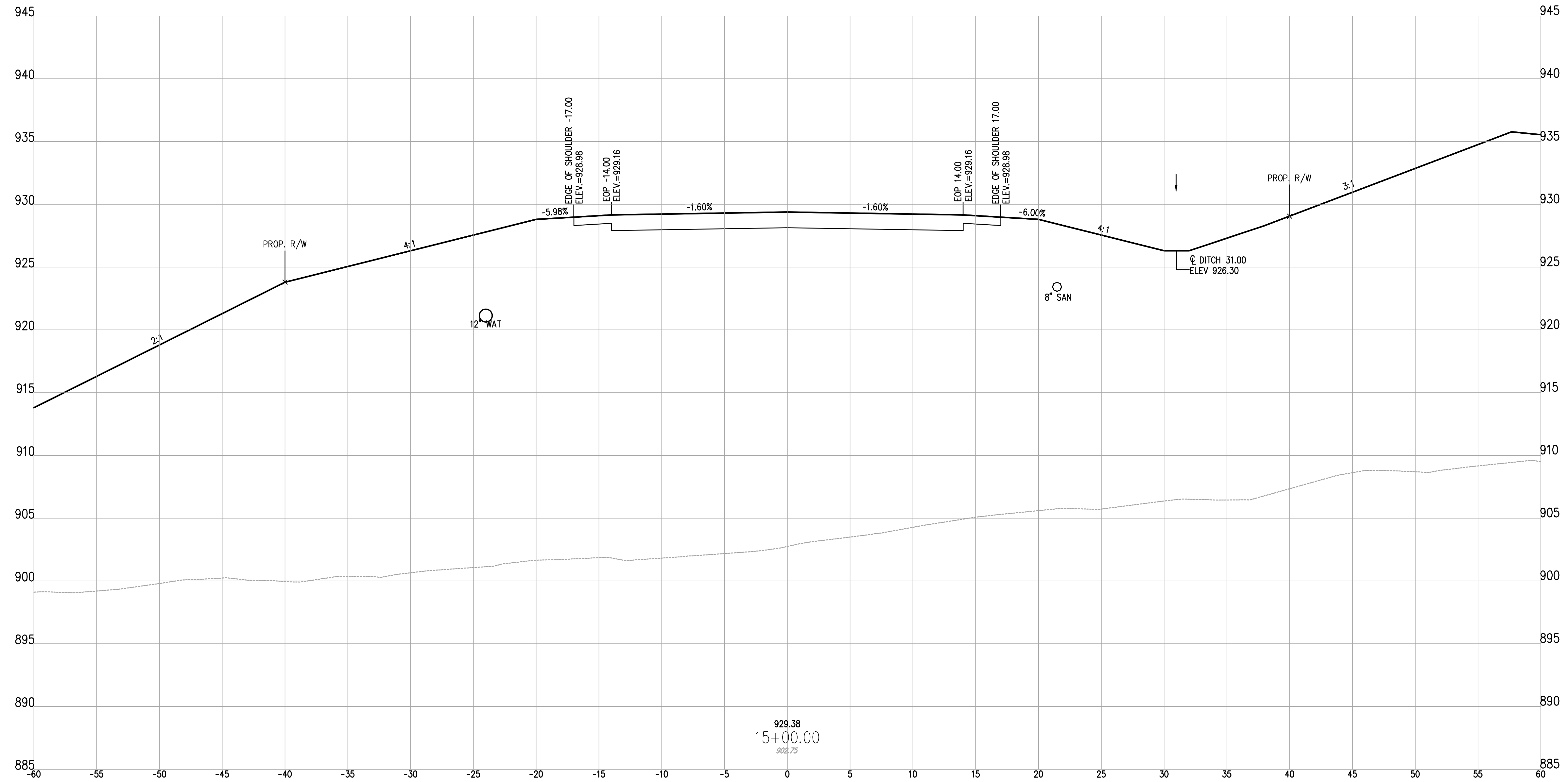
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 14+00 TO 14+50

DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 20

Z:\project files\16000\16050\working\design\cross sections and plans\16050-cross sections.dwg



929.38
15+00.00
922.75



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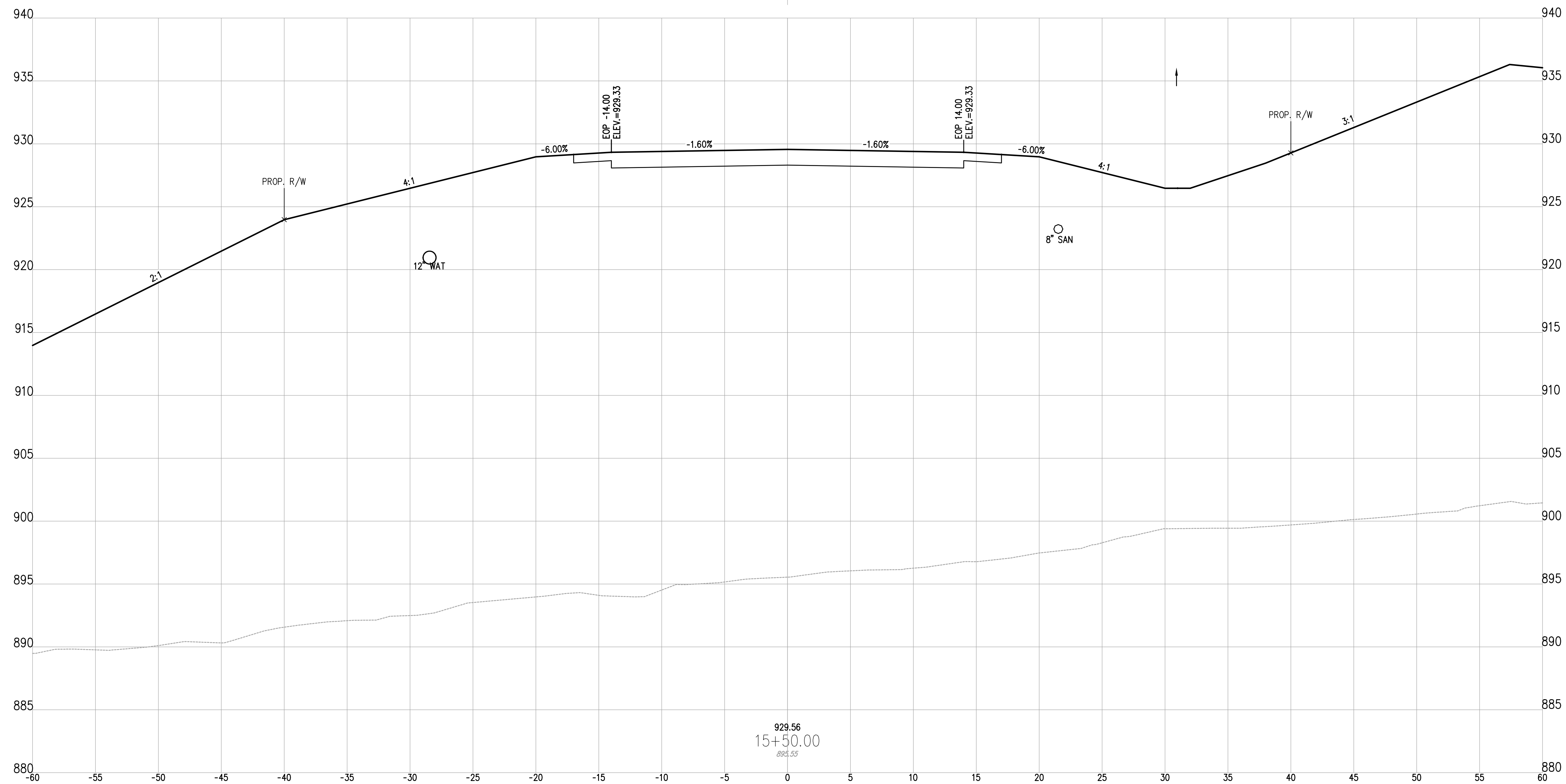
DESIGNED BY: LIVE	DRAWN BY: LIVE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 15+00

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
21



z:\project files\16000\16050\working\design\hard\sheet and plan\16050-cross sections.dwg

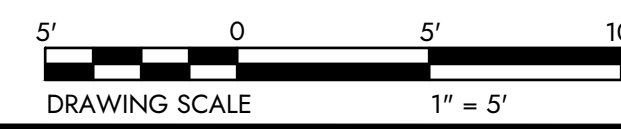
DESIGNED BY: LIVE	DRAWN BY: LIVE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

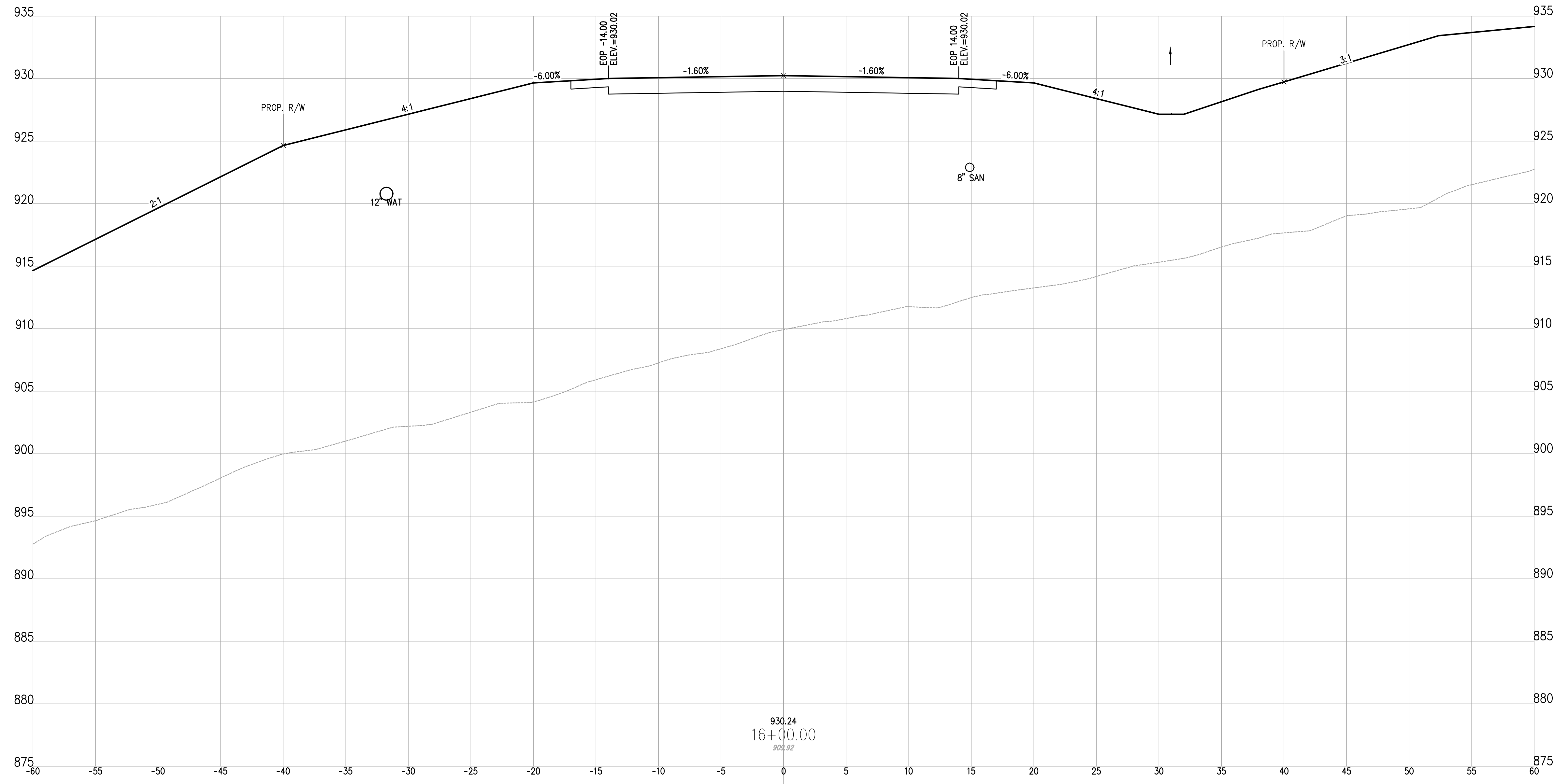
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 15+50

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
22





930.24
16+00.00
903.92

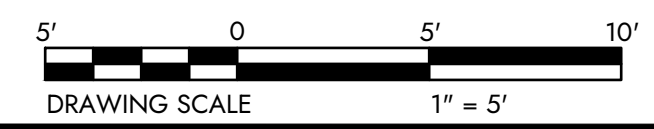
DESIGNED BY:	LIVE	DRAWN BY:	LIVE	CHECKED BY:	SCE	PROJECT NO.:	16050
CHK'D BY:	DATE	REVISION	No.				

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 16+00

DATE:
MARCH 6, 2023

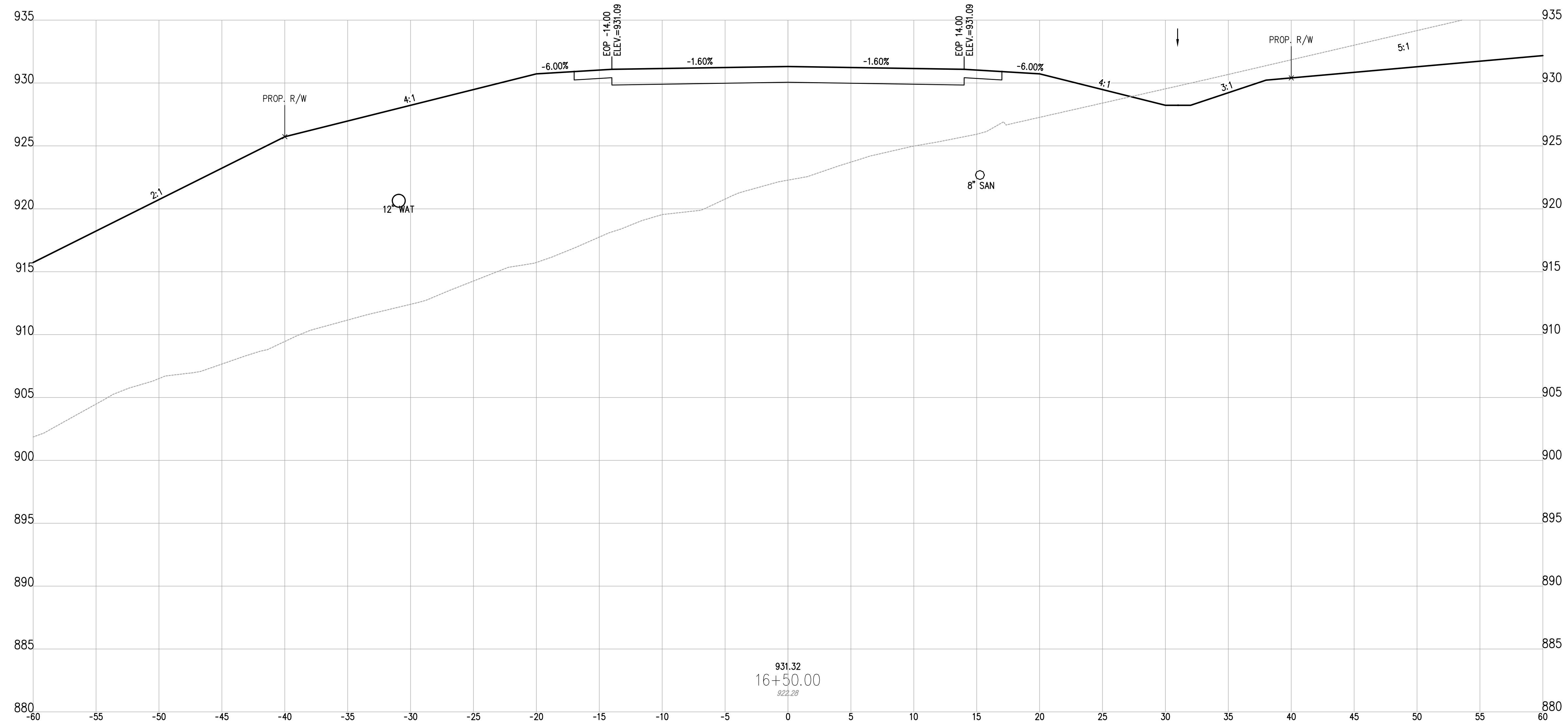
SCALE:
1" = 5'

SHEET:
23



z:\project files\16000\16050\working\design\hard\sheet and plan\16050-cross sections.dwg

Z:\project files\16000\16050\working\design\hard\sheet and plan\16050-cross sections.dwg



931.32
16+50.00
922.28



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CHK'D BY:	DATE	REVISION	No.				

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
 CROSS SECTIONS - 16+50

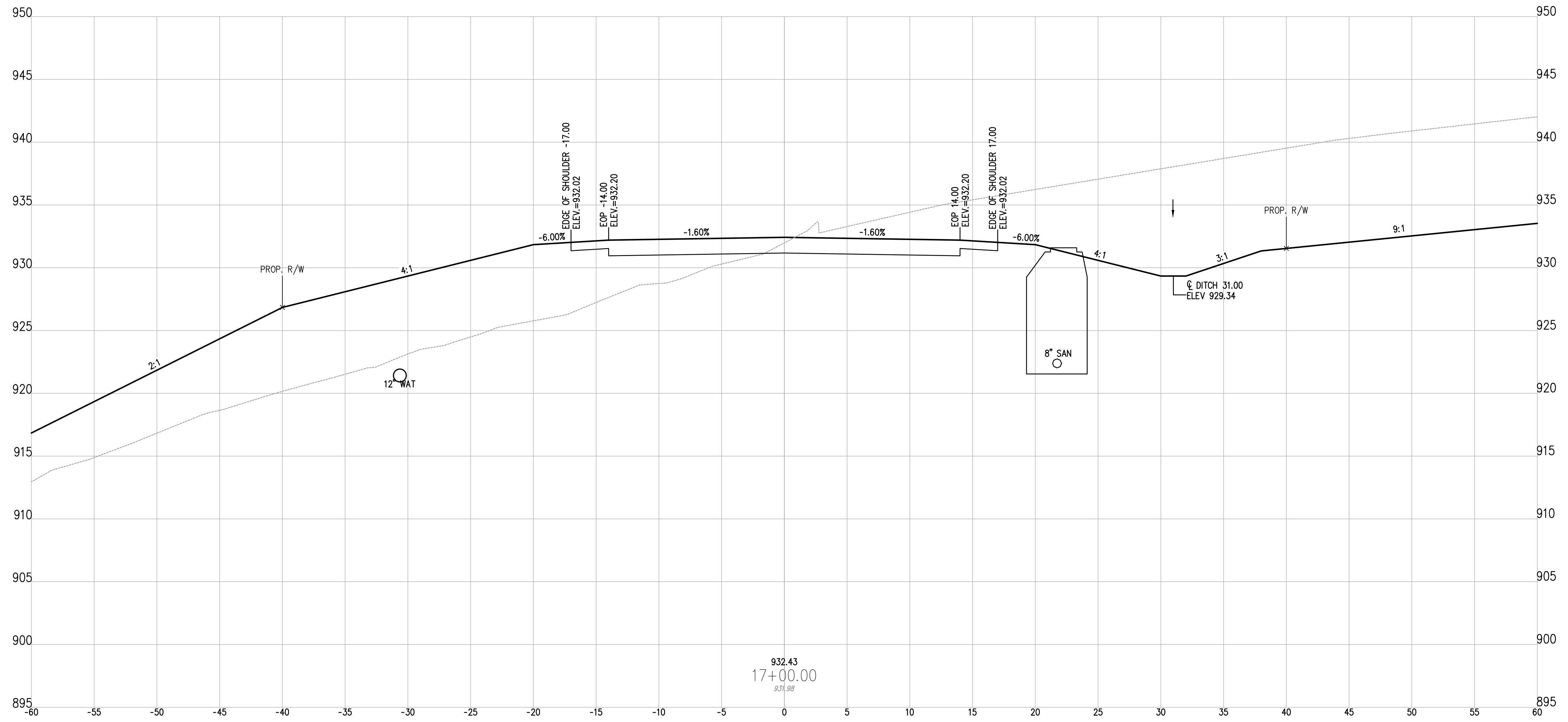
DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 24



Z:\project files\16000\16050\working\design\hard\sheet and plan\16050-cross sections.dwg



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CHK'D BY: DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 17+00

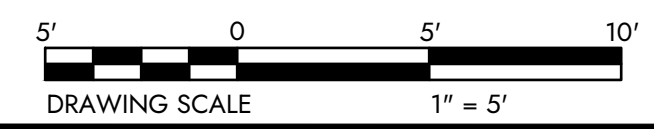
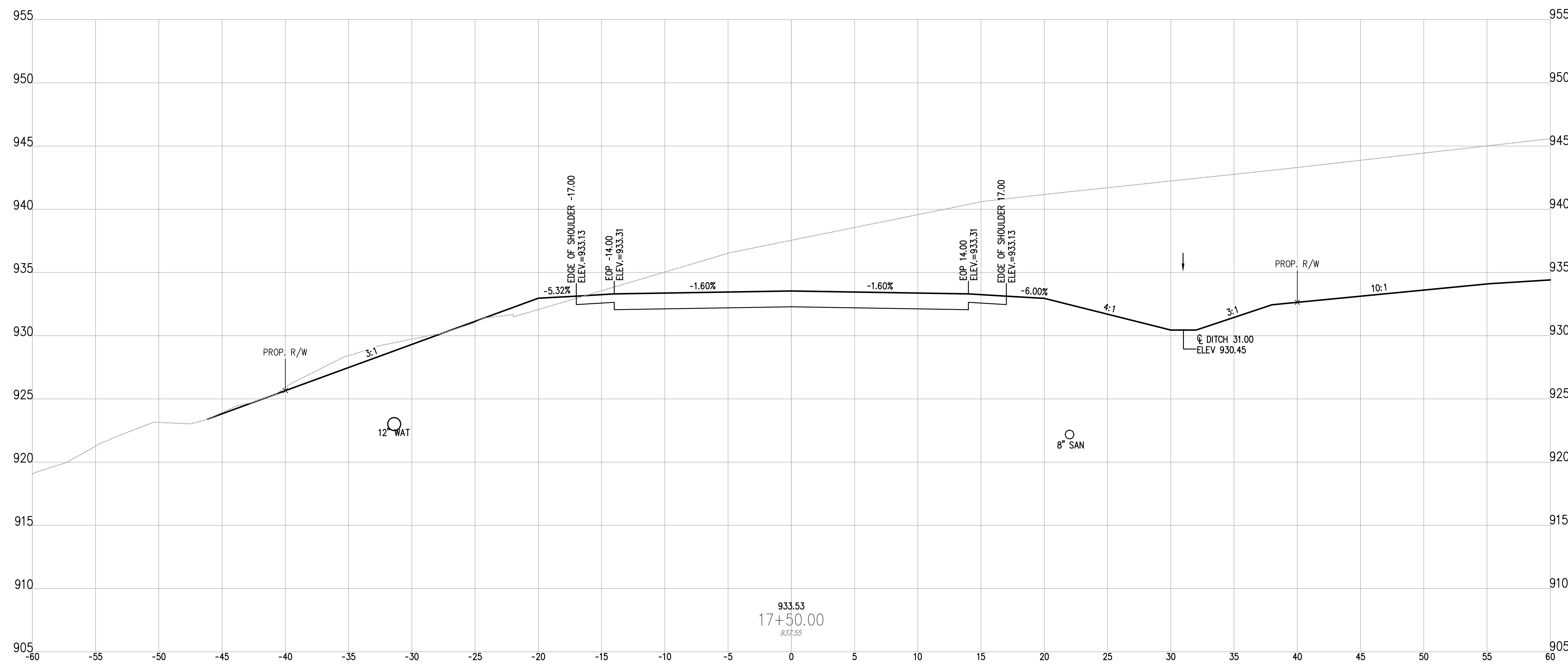
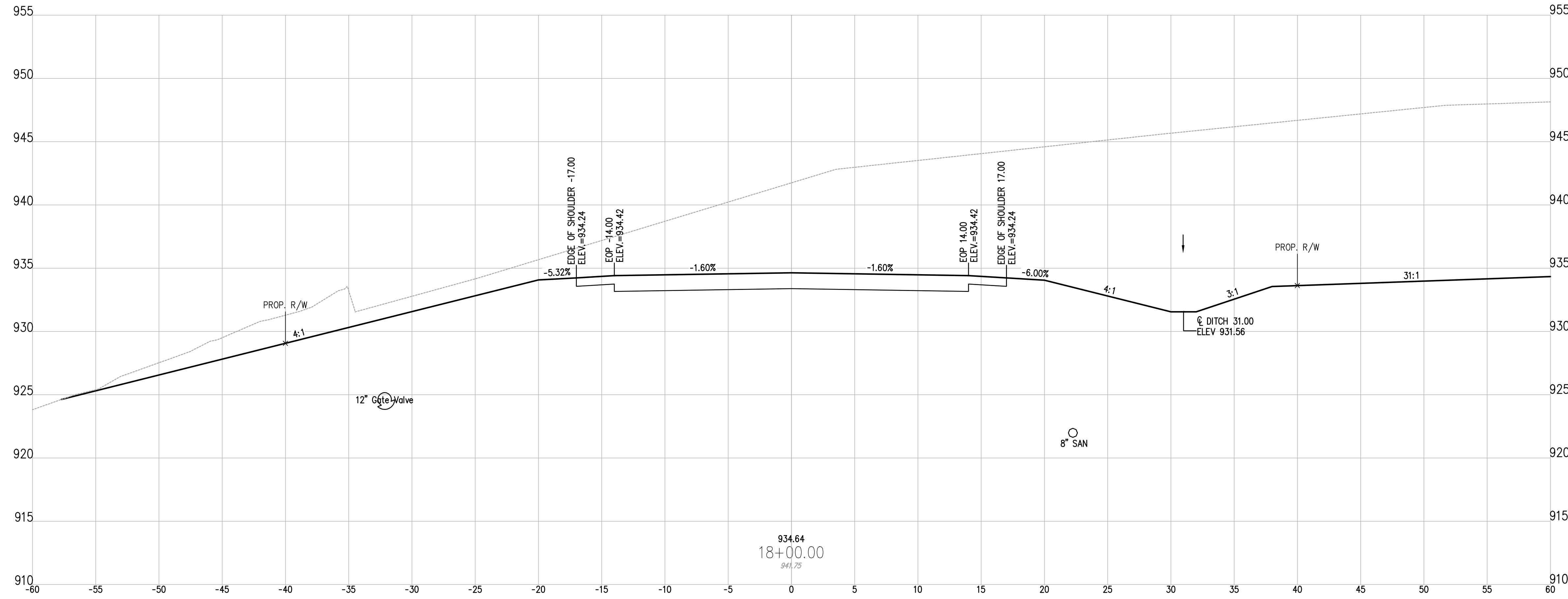
DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
25



z:\project files\16000\16050\working\design\hard\sheet and plan\16050 cross sections.dwg



DESIGNED BY: LIVE	DRAWN BY: LIVE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

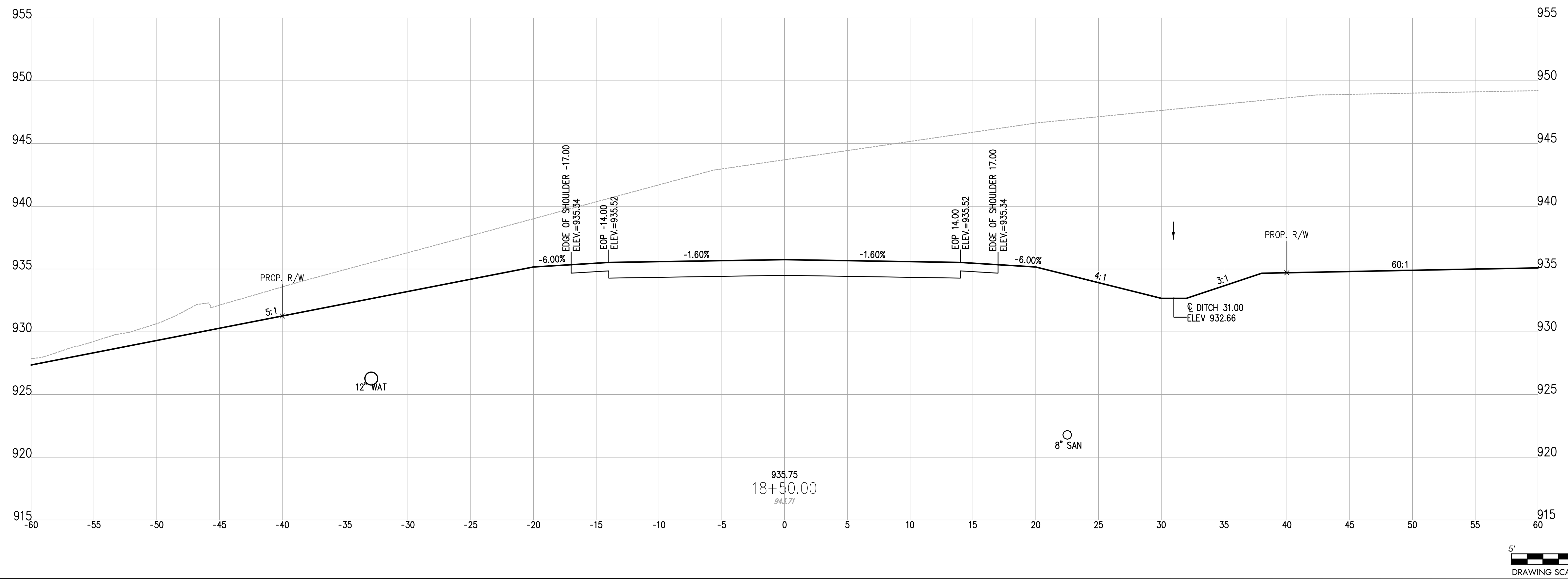
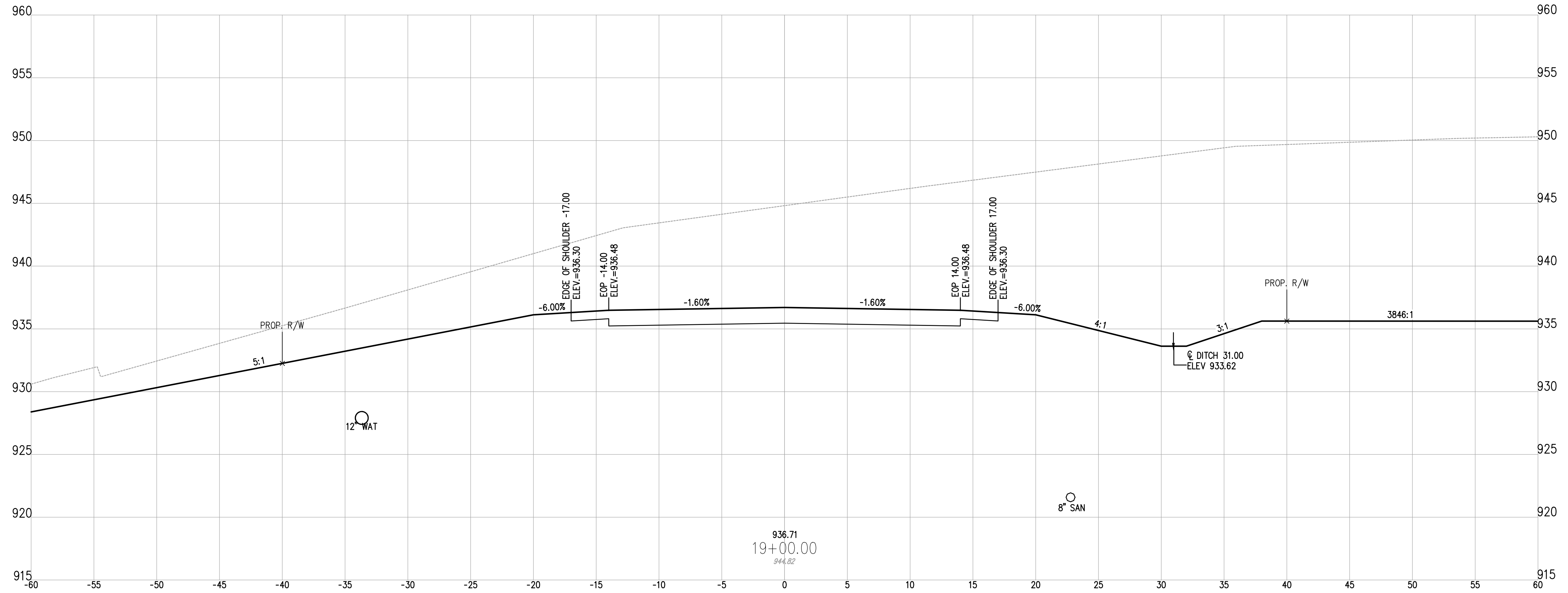
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 17+50 TO 18+00

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
26

z:\project files\16000\16050\working\design\hard sheets and plans\16050 cross sections.dwg



1555 WEST MAIN STREET
NEWARK, OH 43055-9939
TEL 740.344.5451
FAX 614.360.0023

DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

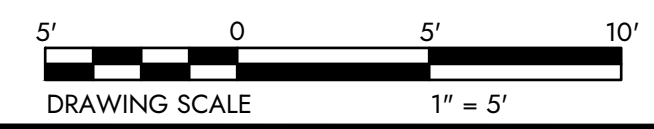
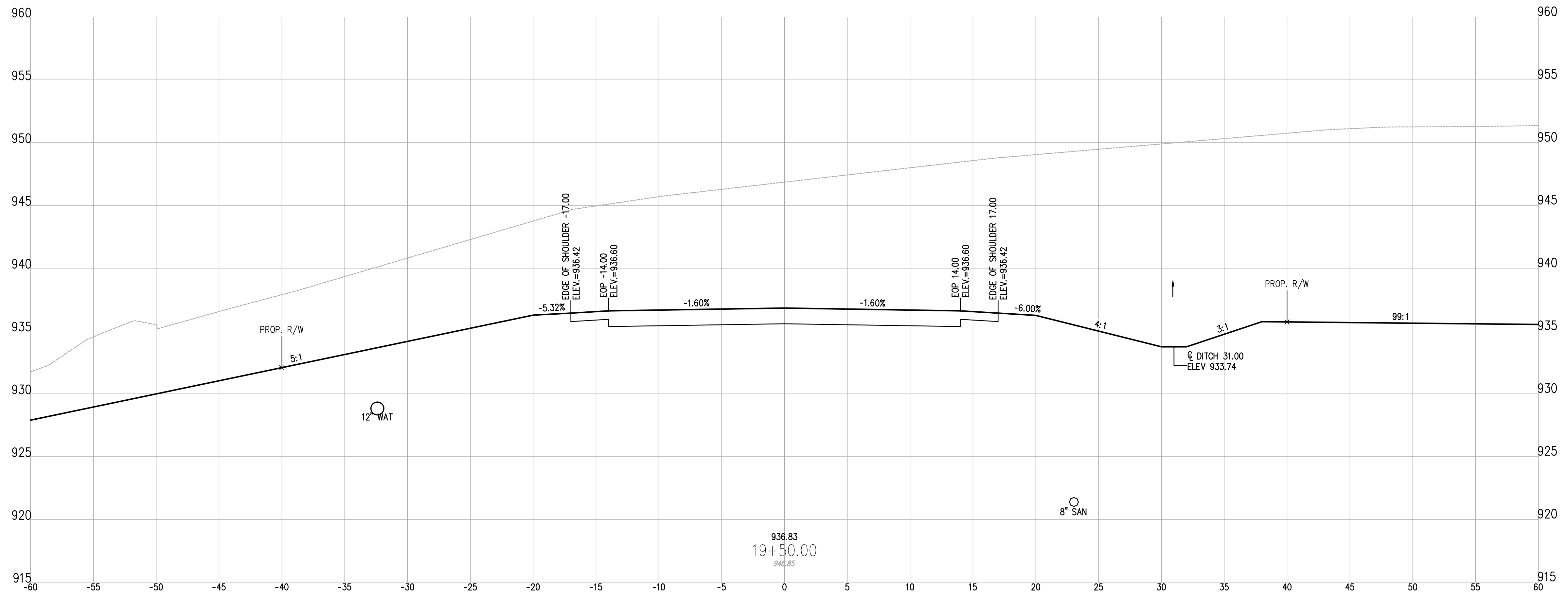
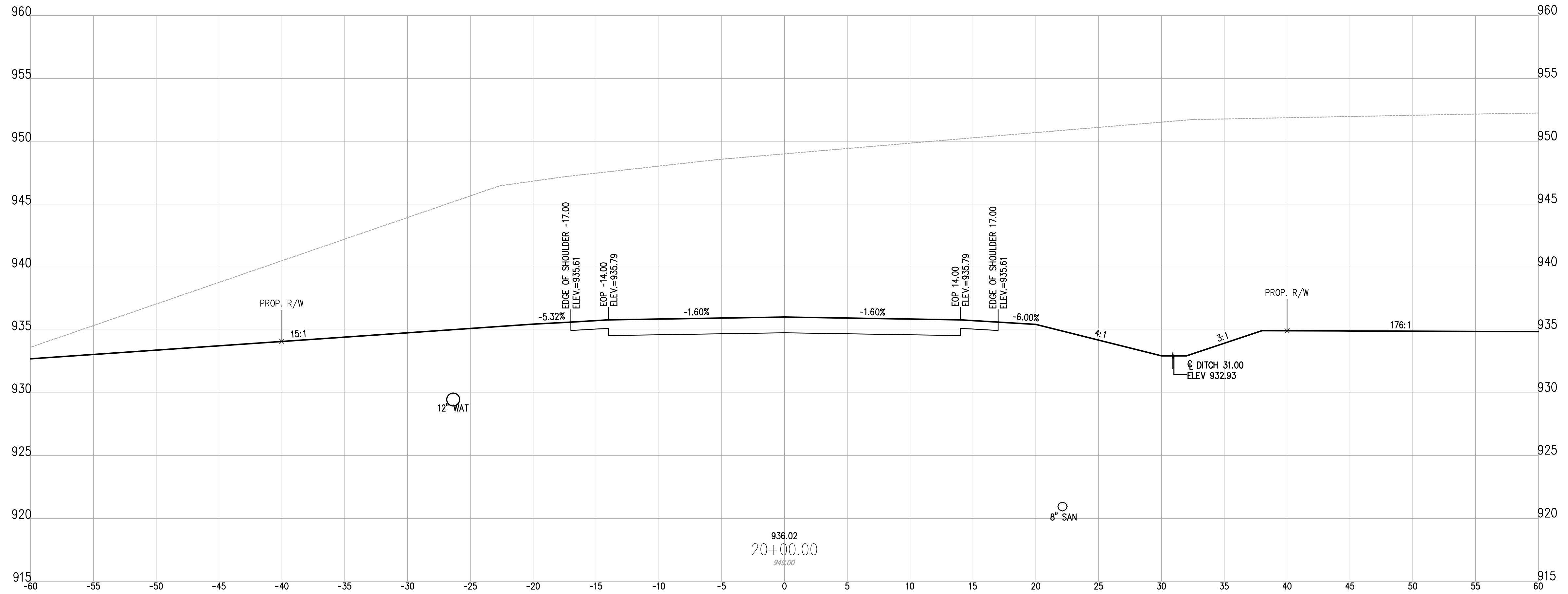
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 18+50 TO 19+00

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
27

z:\project files\16000\16050\working\design\cross sections and plans\16050-cross sections.dwg



DESIGNED BY:	JWE
DRAWN BY:	JWE
CHECKED BY:	SCB
PROJECT NO.:	16050
CHK'D BY:	
DATE:	
REVISION:	
No.	

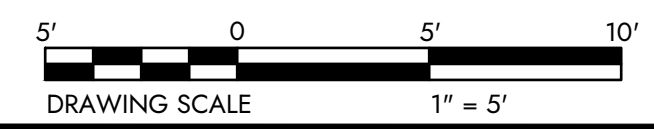
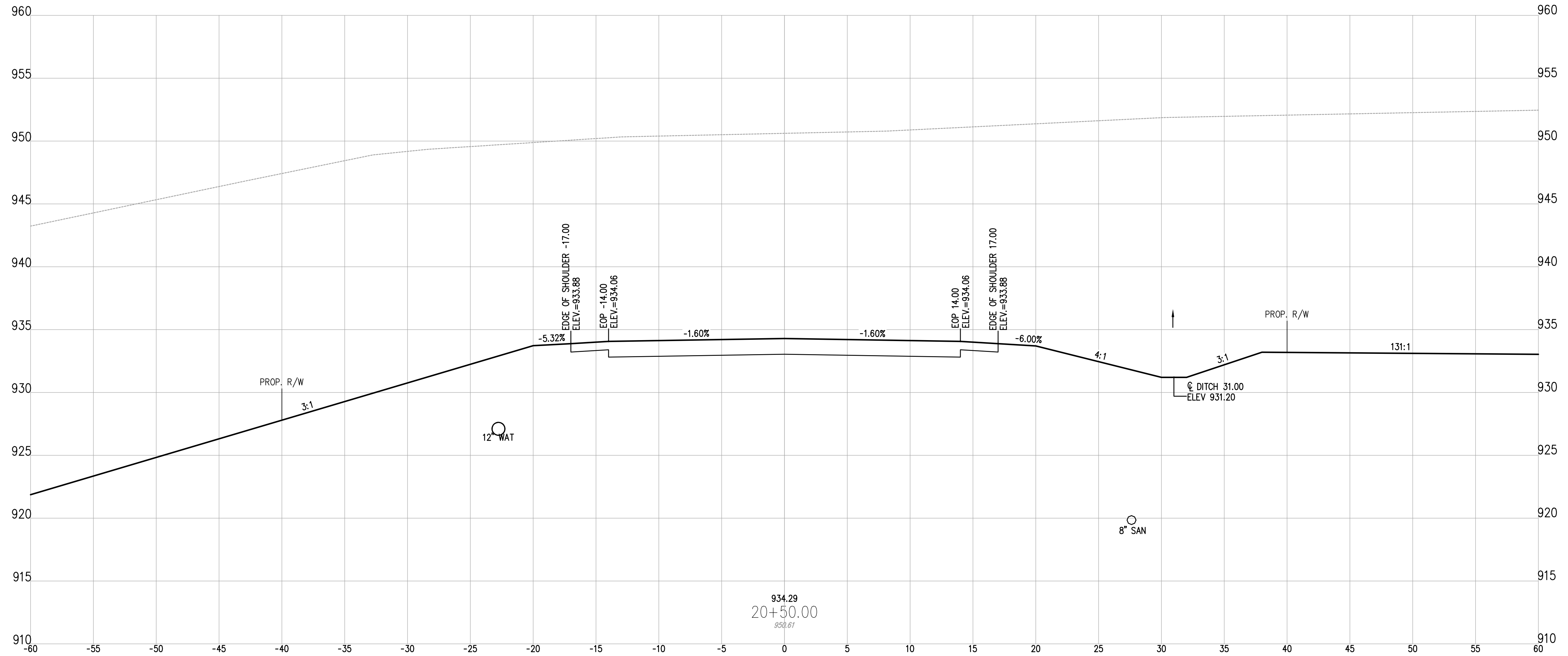
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
 CROSS SECTIONS - 19+50 TO 20+00

DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 28

Z:\project files\16000\16050\working\design\cross sections and plans\16050-cross sections-2.dwg



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CHK'D BY:		DATE:		REVISION:		No.:	

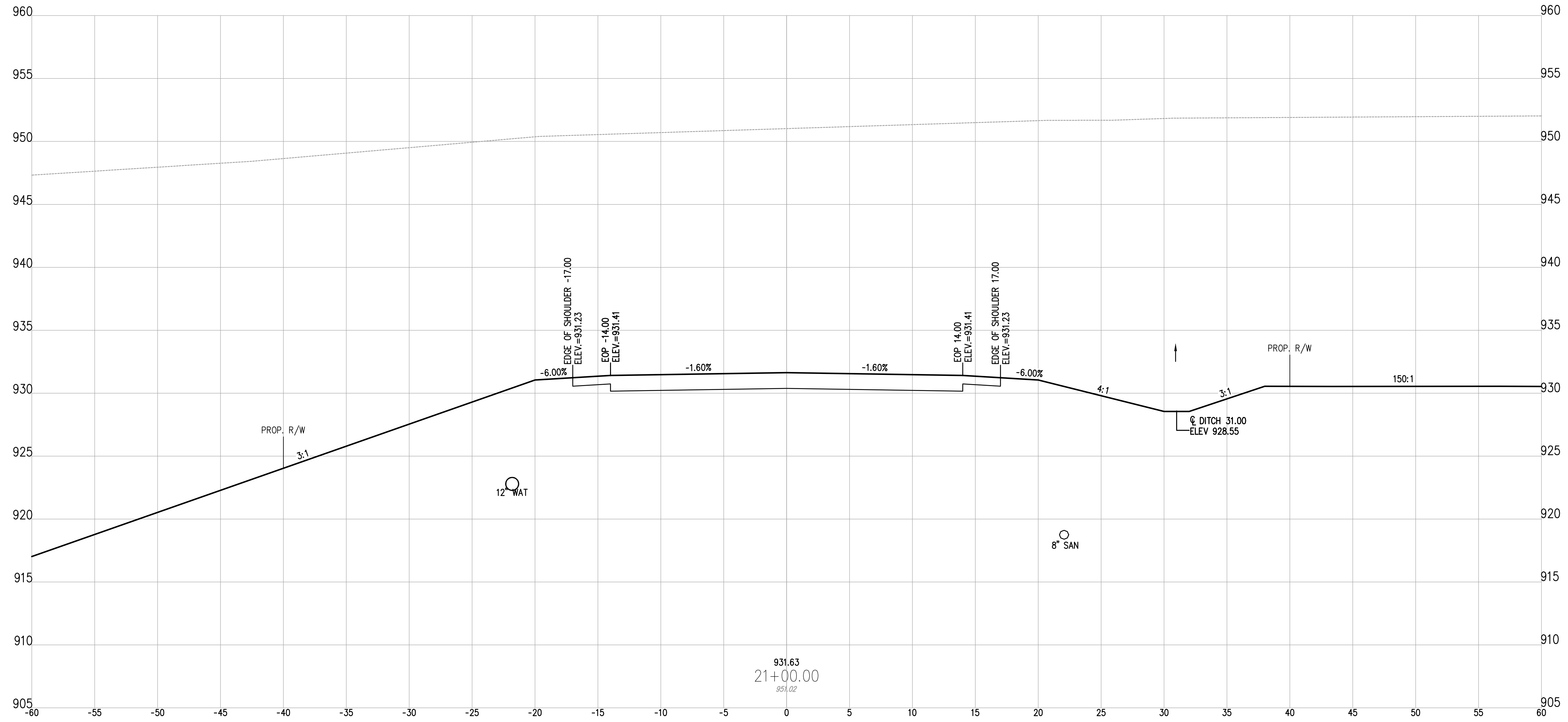
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 20+50

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
29

z:\project files\16000\16050\working\design\sheet and plans\16050-cross sections-2.dwg



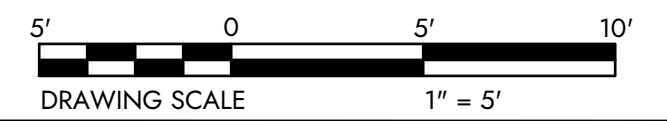
DESIGNED BY: LIVE	DRAWN BY: LIVE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 21+00

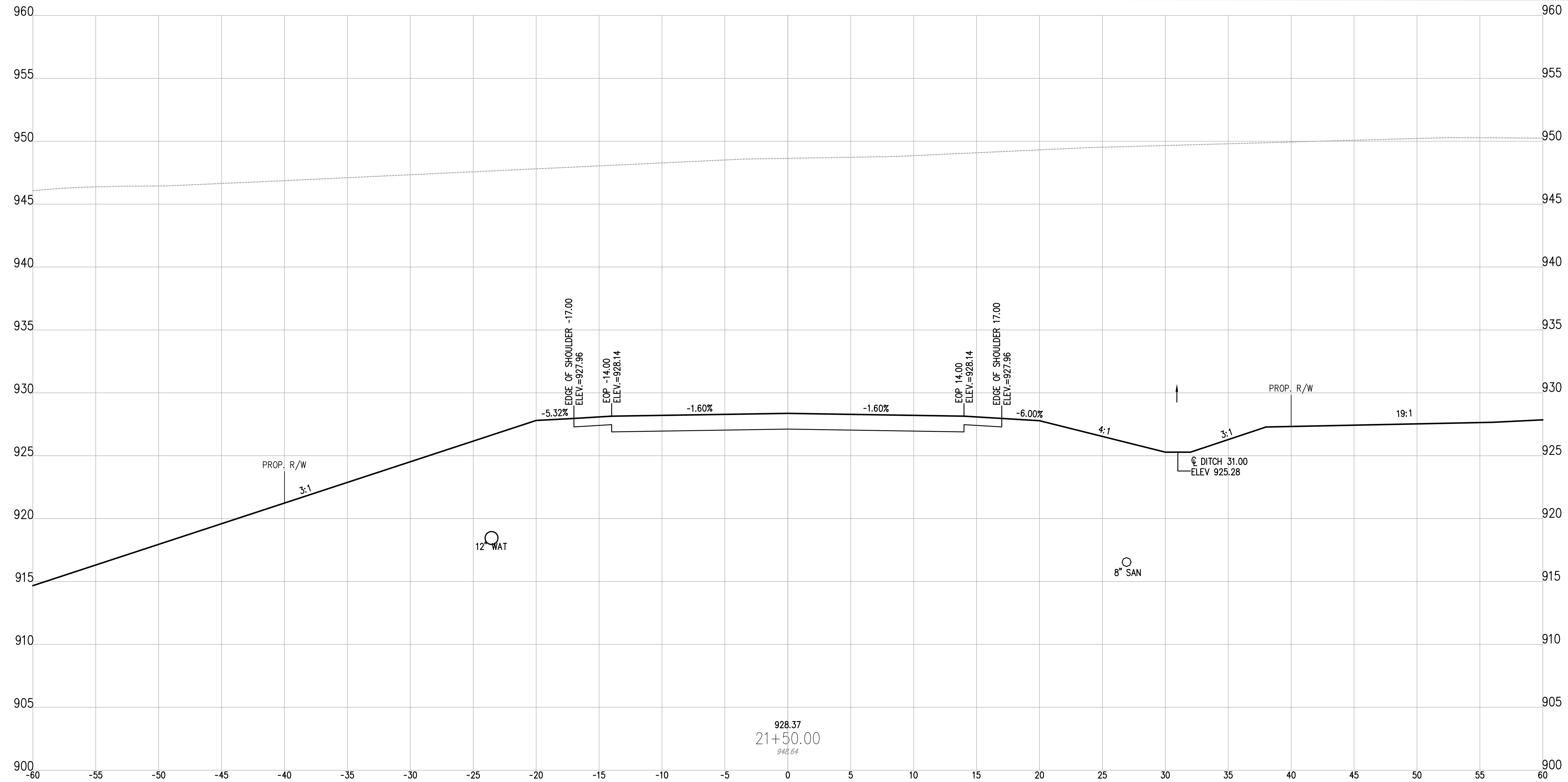
DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 30



z:\project files\16000\16050\working\design\sheet and plans\16050-cross sections-2.dwg



928.37
21+50.00
948.04



1555 WEST MAIN STREET
NEWARK, OH 43055-3939
TEL 740.344.5451
FAX 614.360.0023

DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJECT NO.:
JWE	JWE	SCB	16050

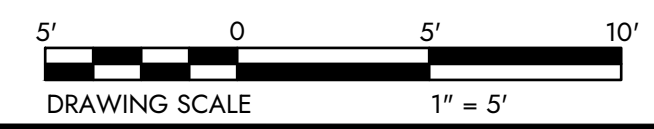
CHK'D BY:	DATE:	REVISION:	No.:

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 21+50

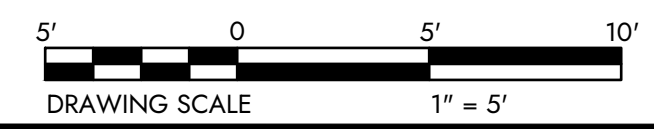
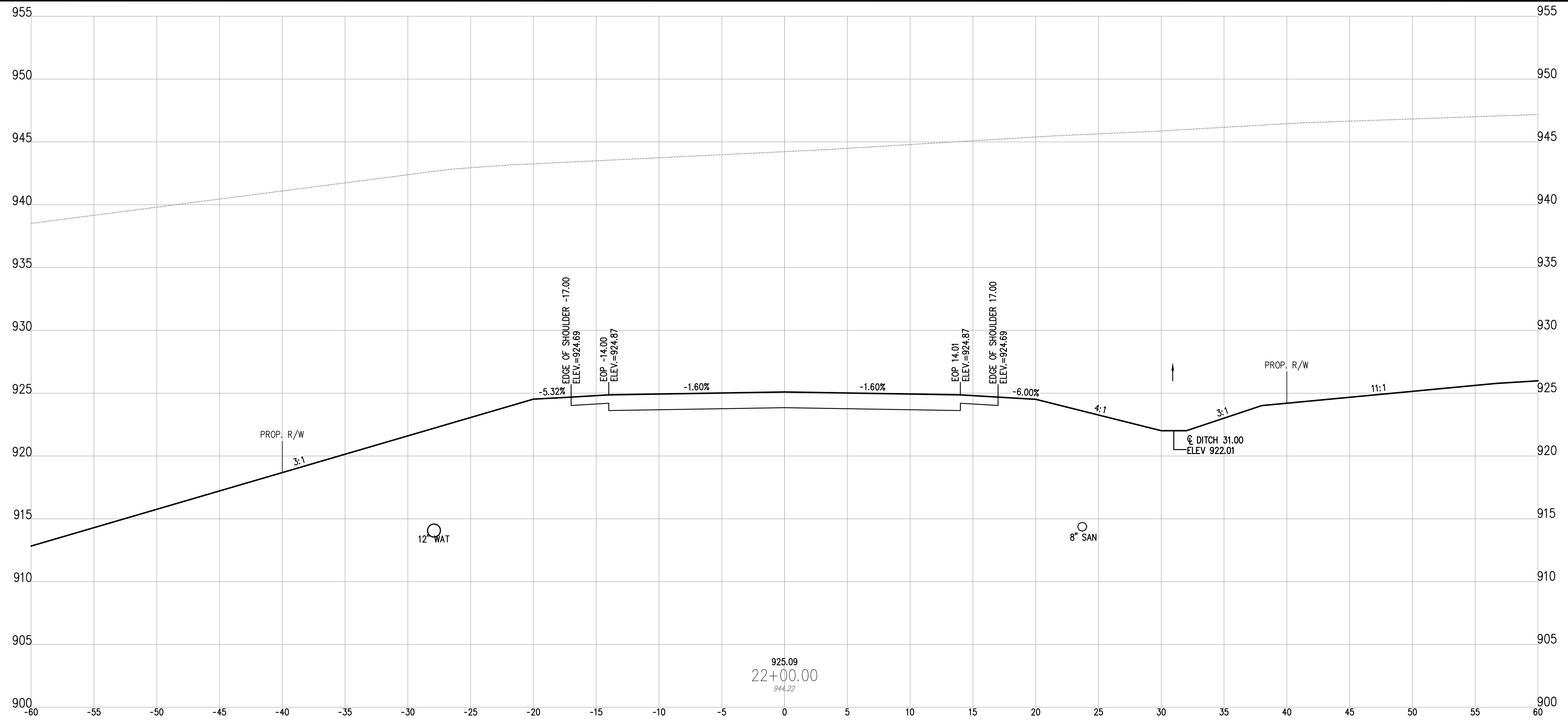
DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 31



Z:\project files\16000\16050\working\design\sheet and plans\16050-cross sections-z.dwg



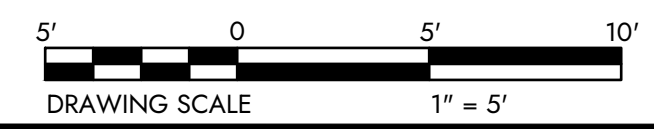
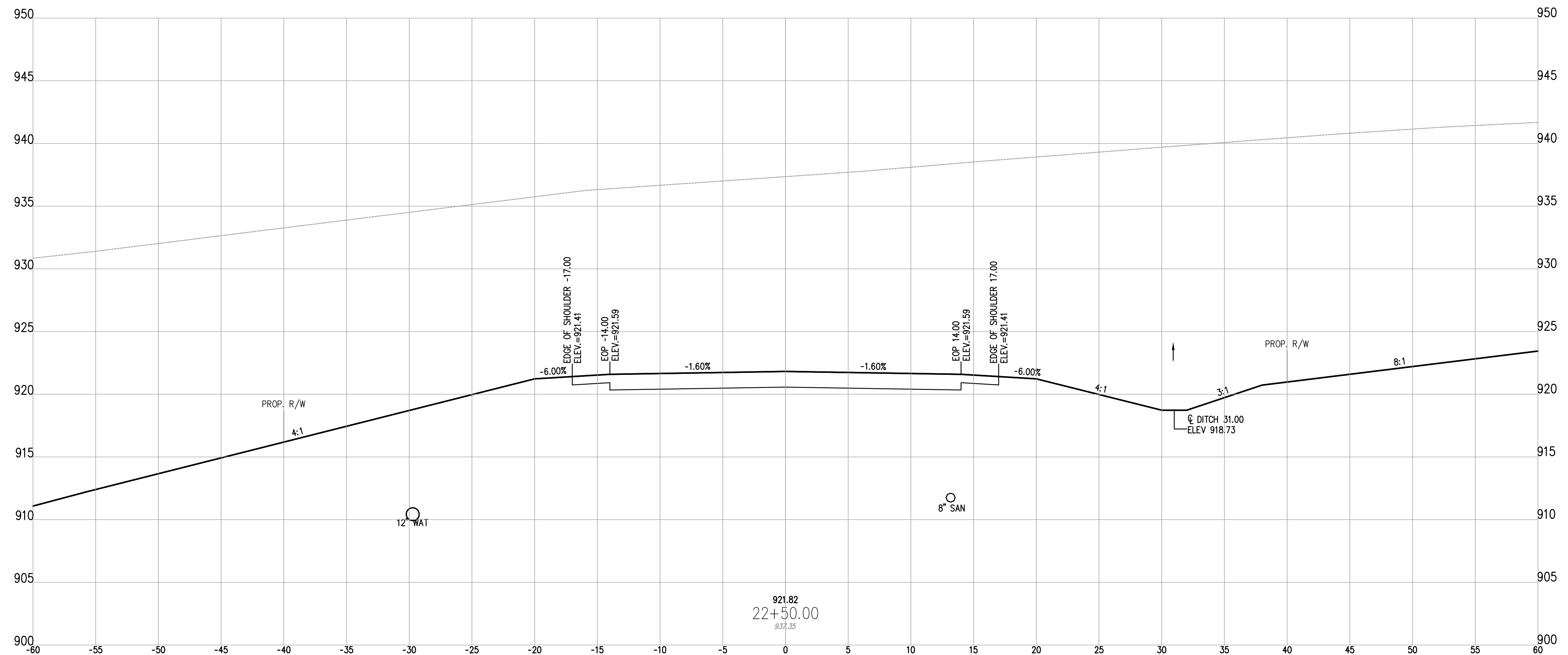
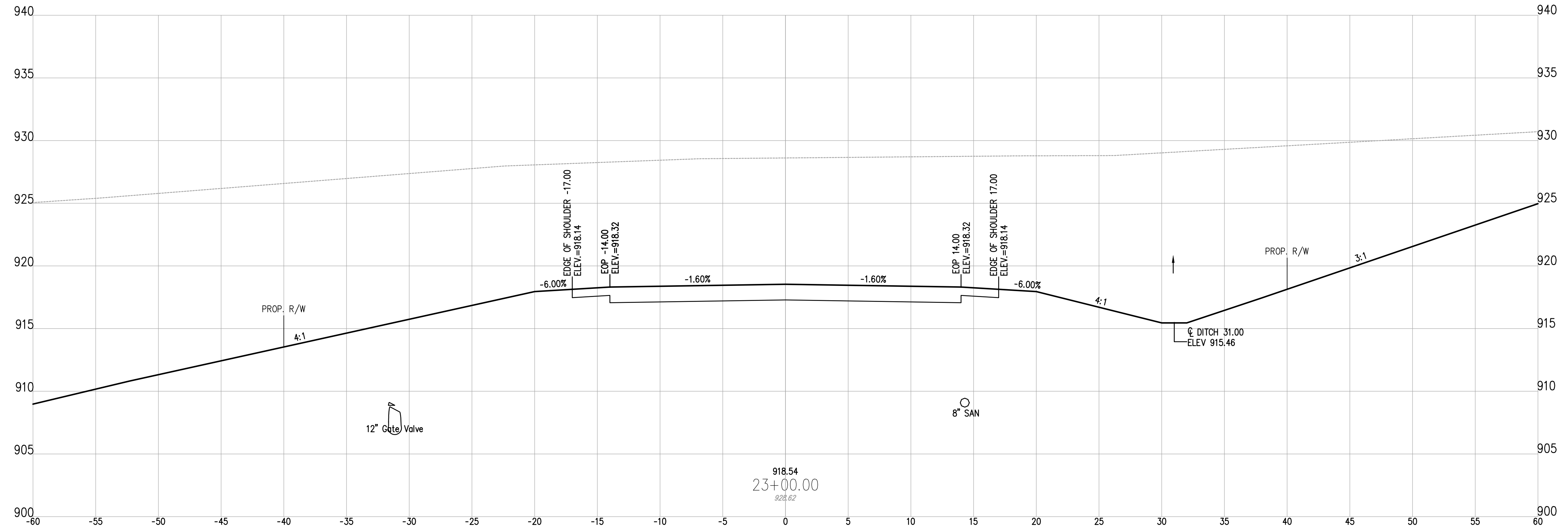
DESIGNED BY:	JWE	DRAWN BY:	JWE	CHECKED BY:	SCB	PROJECT NO.:	16050
CHK'D BY:		DATE:		REVISION:		No.:	

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 22+00

DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 32



DESIGNED BY:	LIVE	DRAWN BY:	LIVE	CHECKED BY:	SCB	PROJECT NO.:	16050
CHK'D BY:	DATE	REVISION	No.				

GUERNEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 22+50 TO 23+00

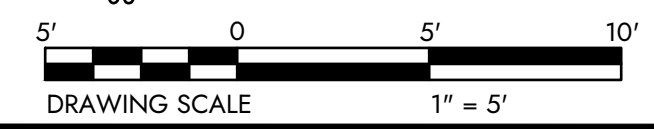
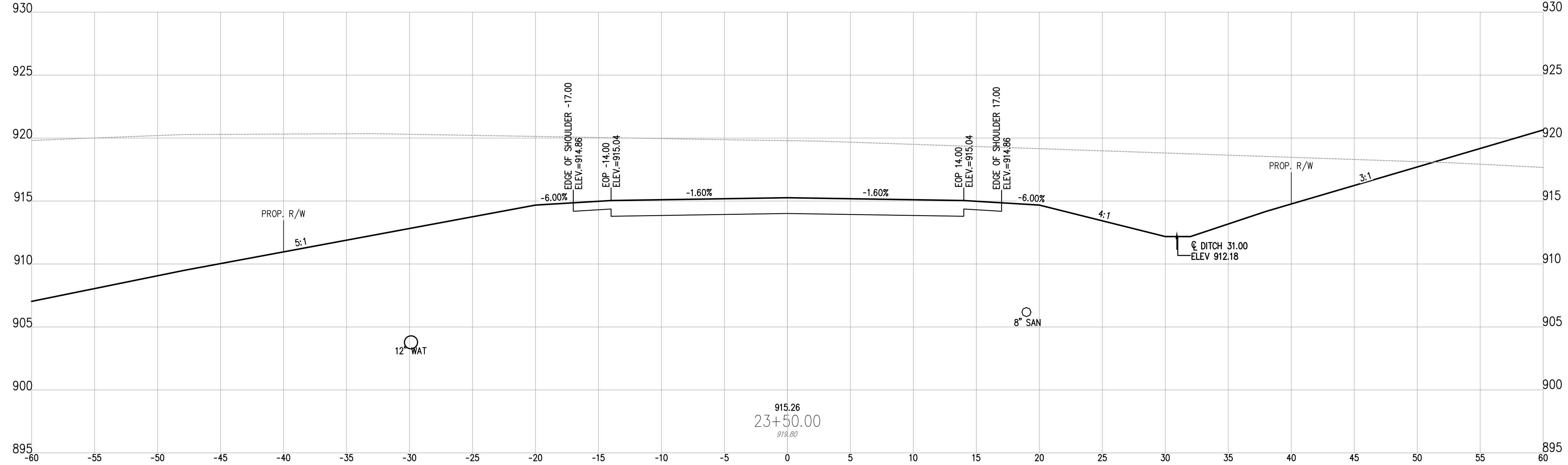
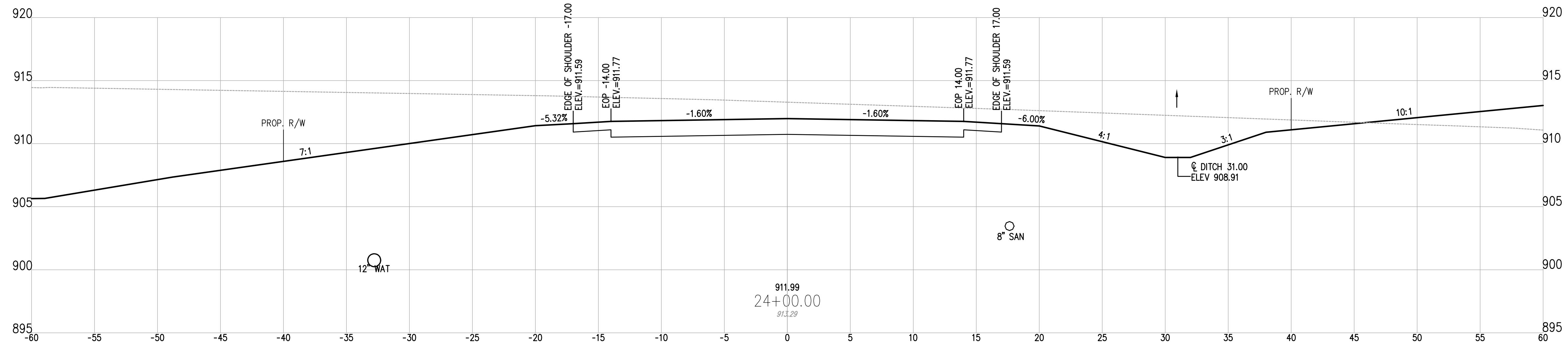
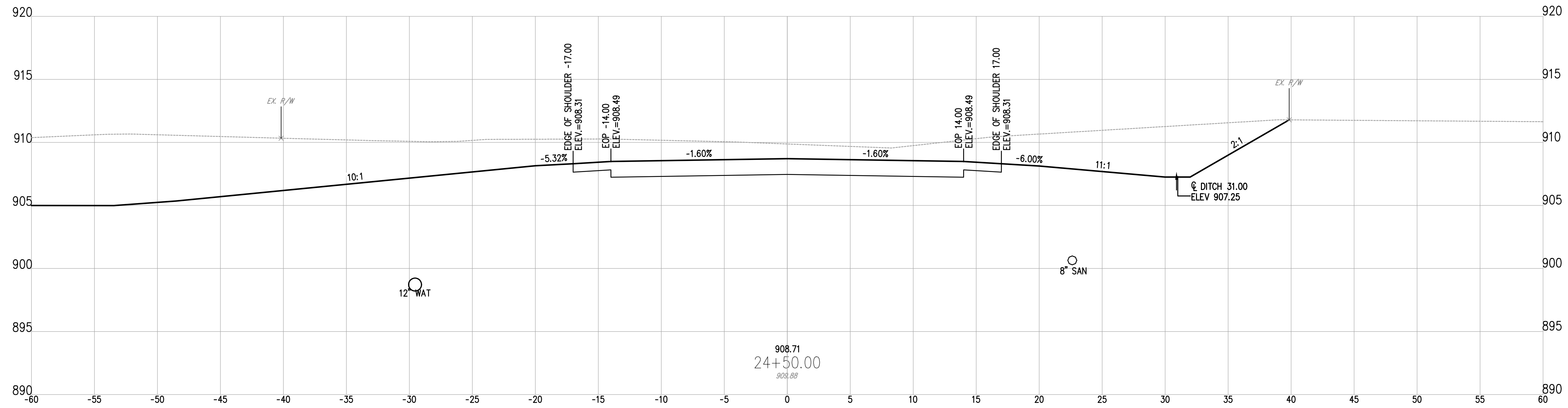
DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 33

Z:\project files\16000\16050\working\design\sheet and plans\16050-cross sections-2.dwg

z:\project files\16000\16050\working\design\hard\sheet and plan\16050 cross sections 2.dwg



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CHK'D BY:		DATE:		REVISION:		No.:	

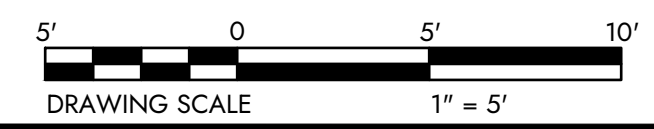
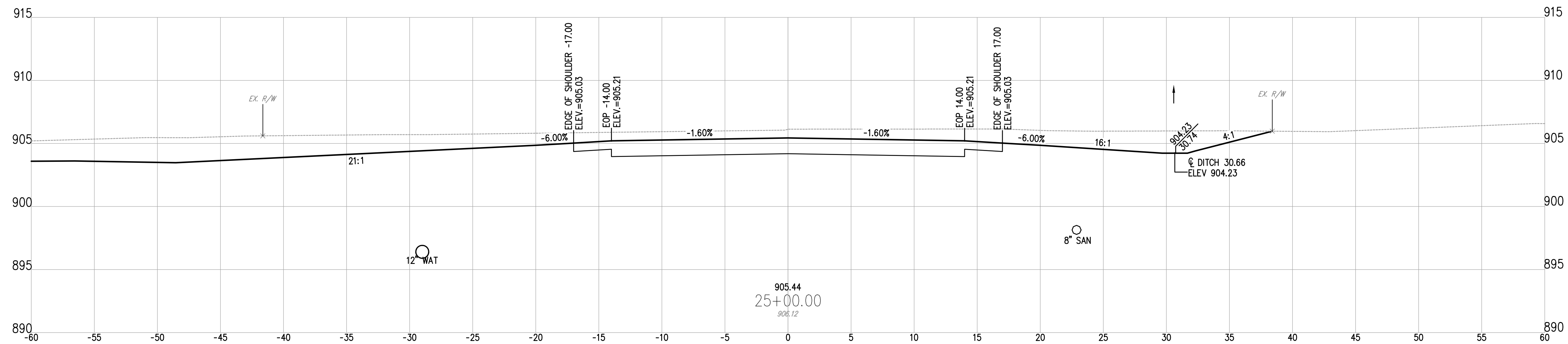
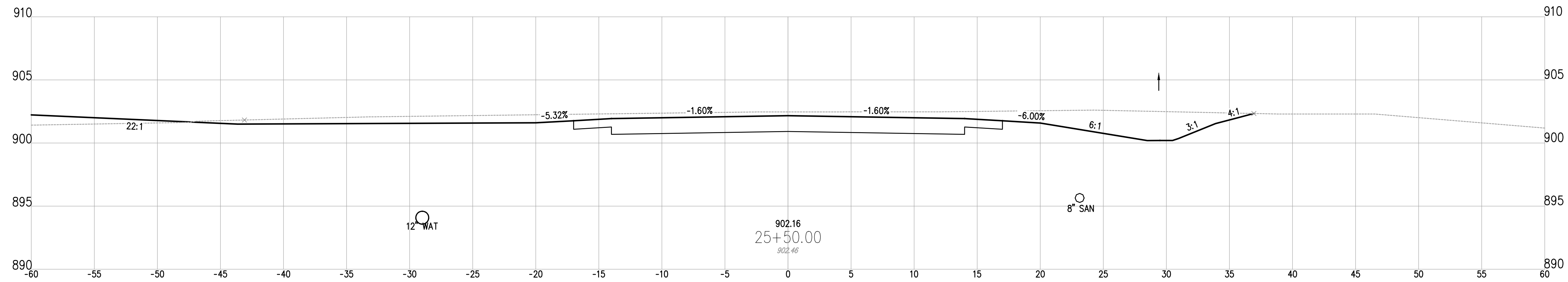
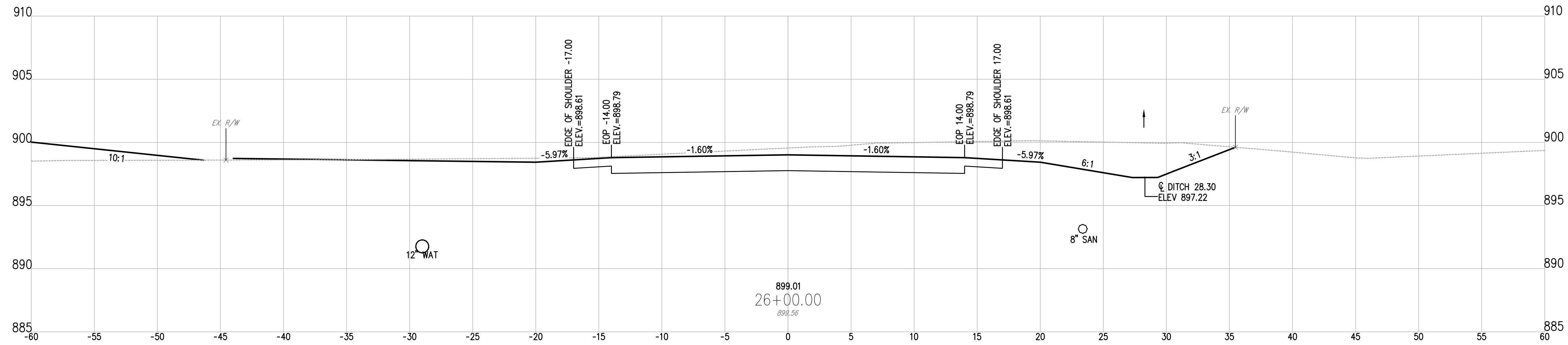
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 23+50 TO 24+50

DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 34

Z:\project files\16000\16050\working\design\hard\sheet and plan\16050 cross sections 2.dwg



1555 WEST MAIN STREET
NEWARK, OH 43055-3939
TEL 740.344.5451
FAX 614.360.0023

DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE	REVISION	No.	

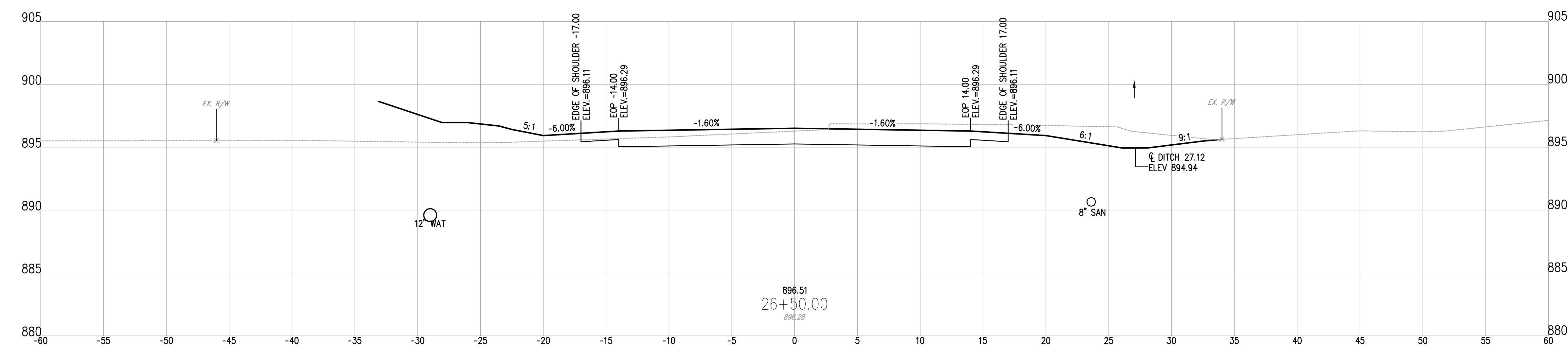
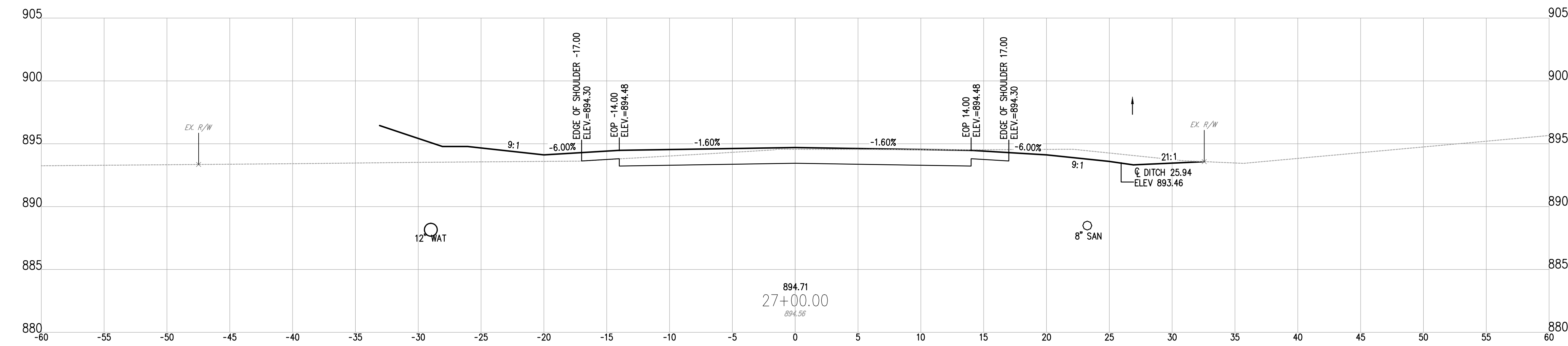
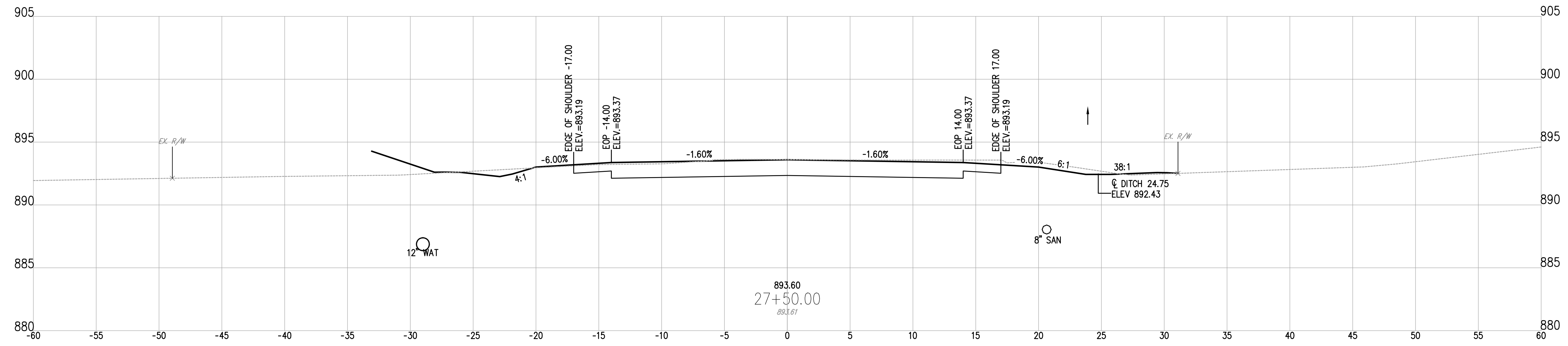
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 25+00 TO 26+00

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
35

Z:\project files\16000\16050\working\design\sheet and plans\16050-cross sections-2.dwg



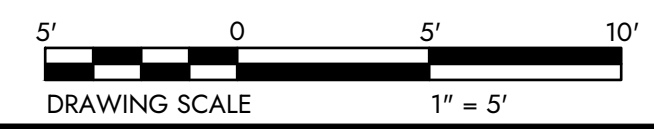
DESIGNED BY:	JWE
DRAWN BY:	JWE
CHECKED BY:	SCE
PROJECT NO.:	16050

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 26+50 TO 27+50

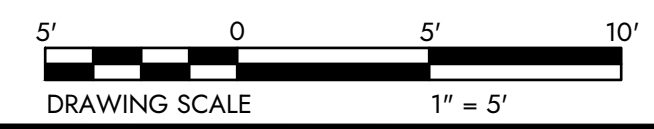
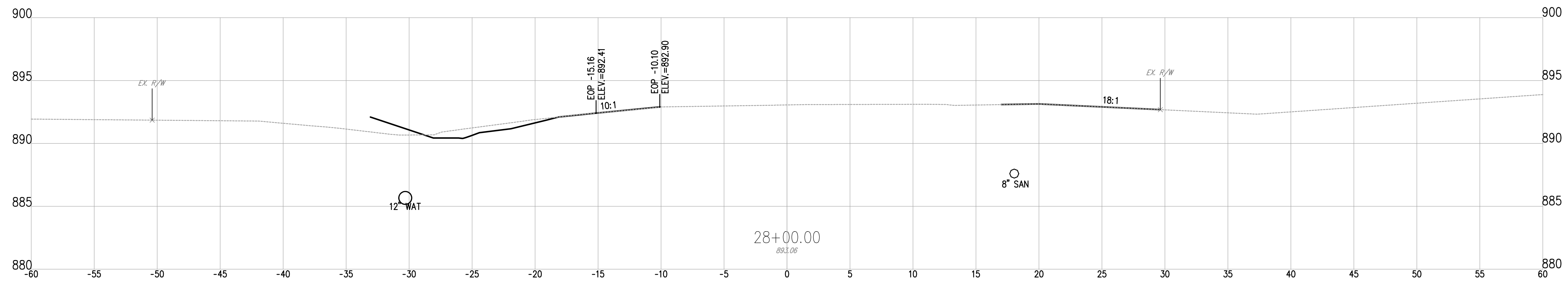
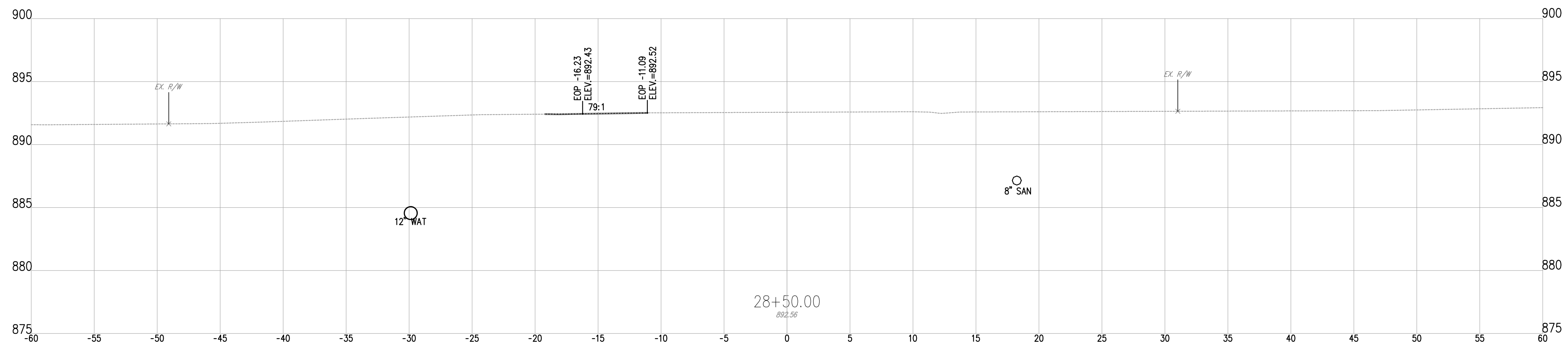
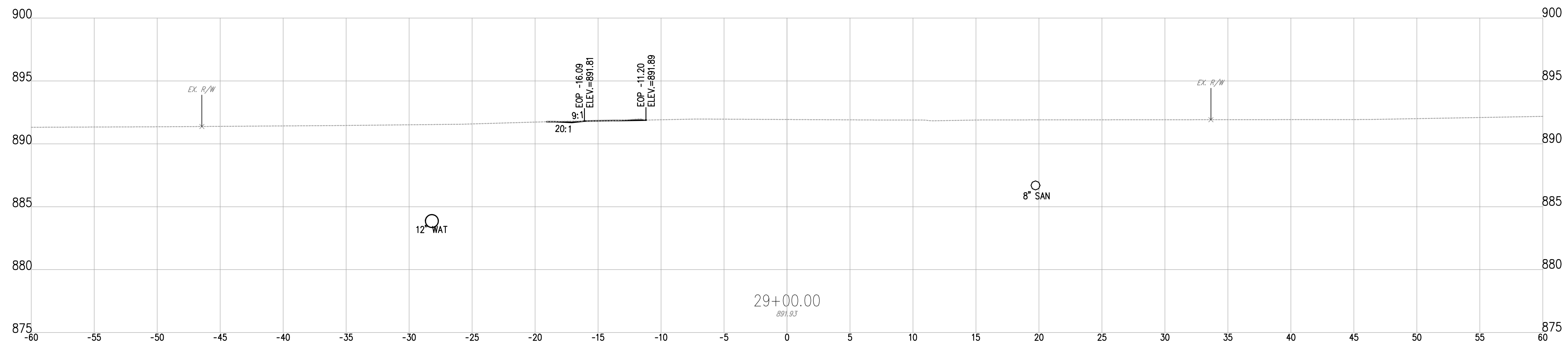
DATE: MARCH 6, 2023

SCALE: 1" = 5'

SHEET: 36



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1555 WEST MAIN STREET
NEWARK, OH 43055-3939
TEL 740.344.5451
FAX 614.360.0023

DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

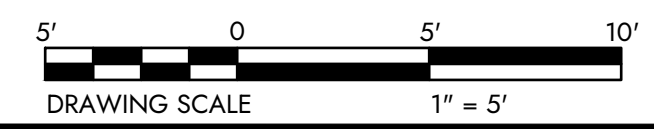
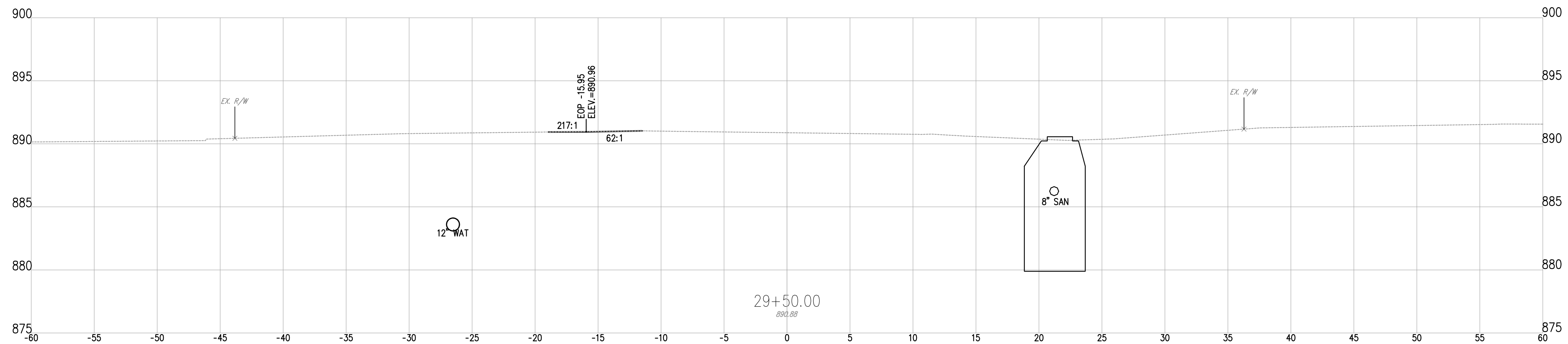
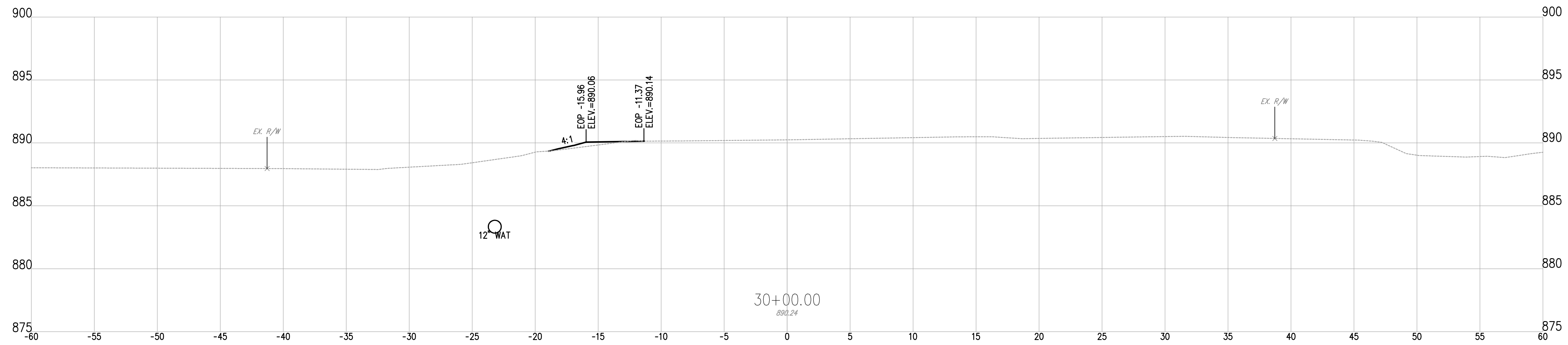
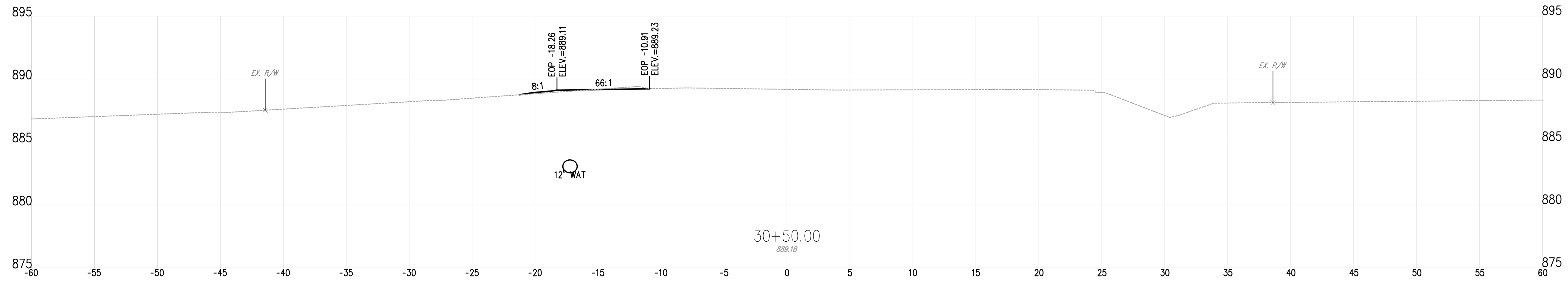
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 28+00 TO 29+00

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
37

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DESIGNED BY:	LIVE
DRAWN BY:	LIVE
CHECKED BY:	SCB
PROJECT NO.:	16050
CHK'D BY:	
DATE:	
REVISION:	
No.	

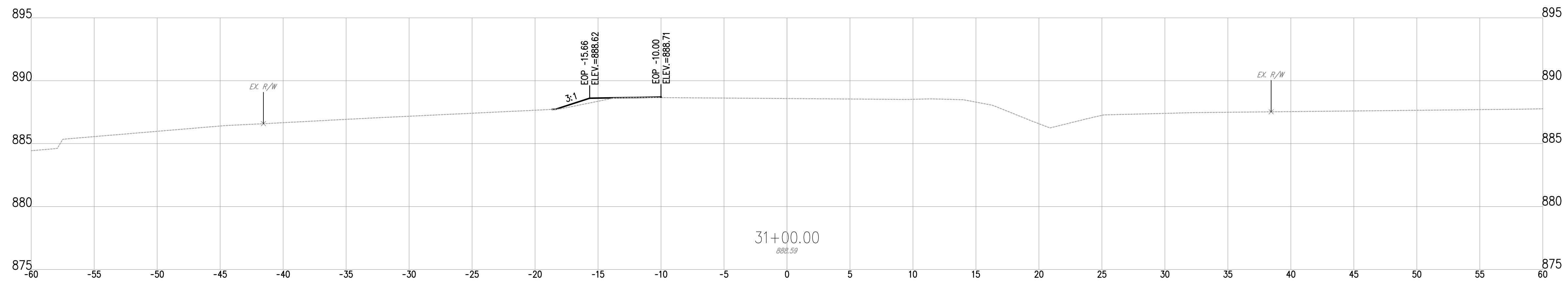
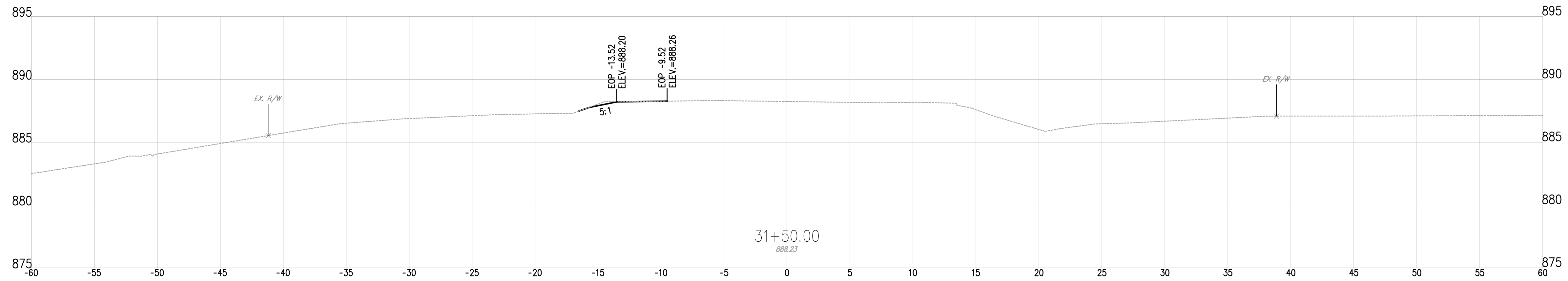
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 29+50 TO 30+50

DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
38

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1555 WEST MAIN STREET
NEWARK, OH 43055-3939
TEL. 740.344.5451
FAX. 614.360.0023

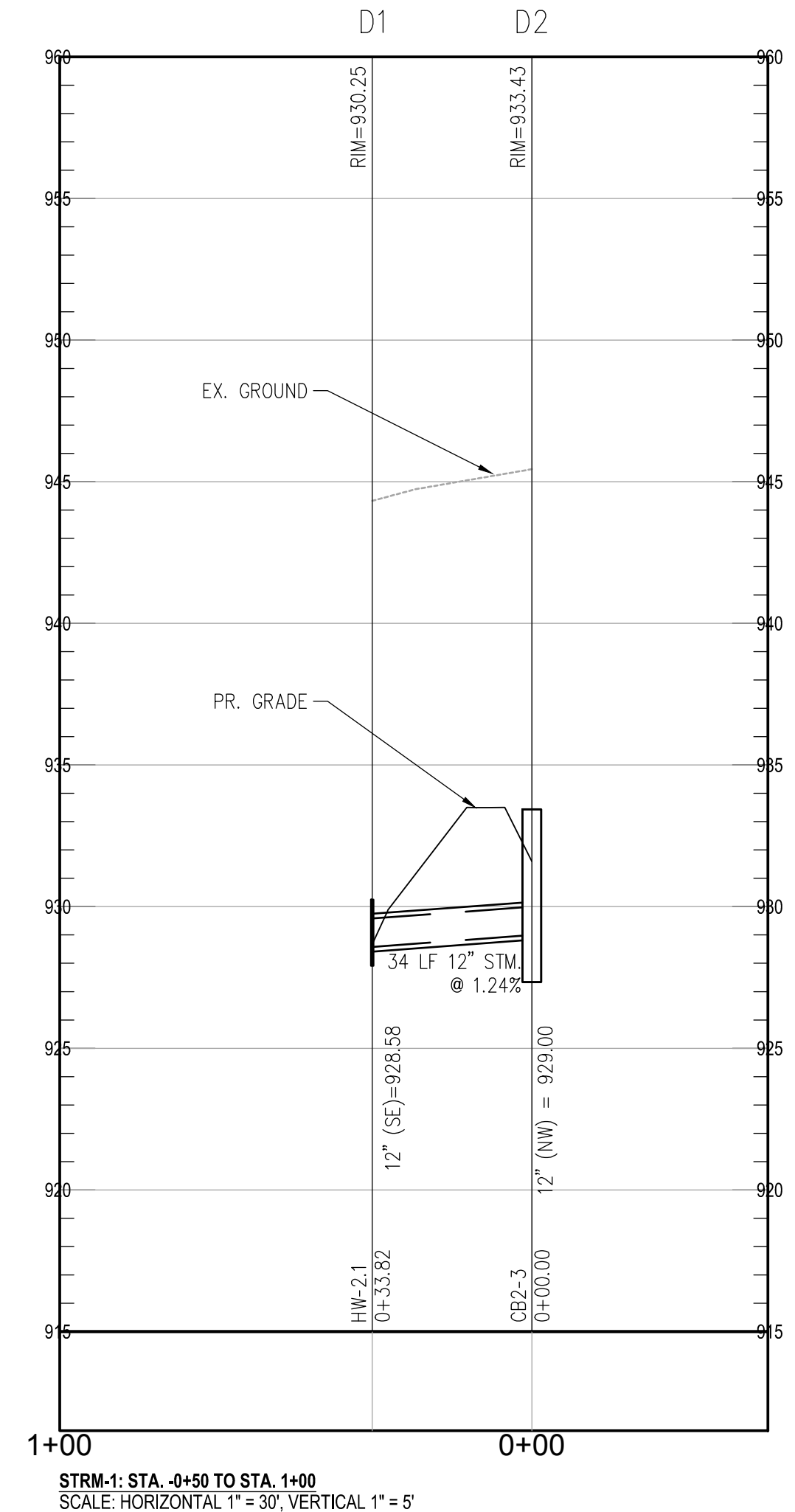
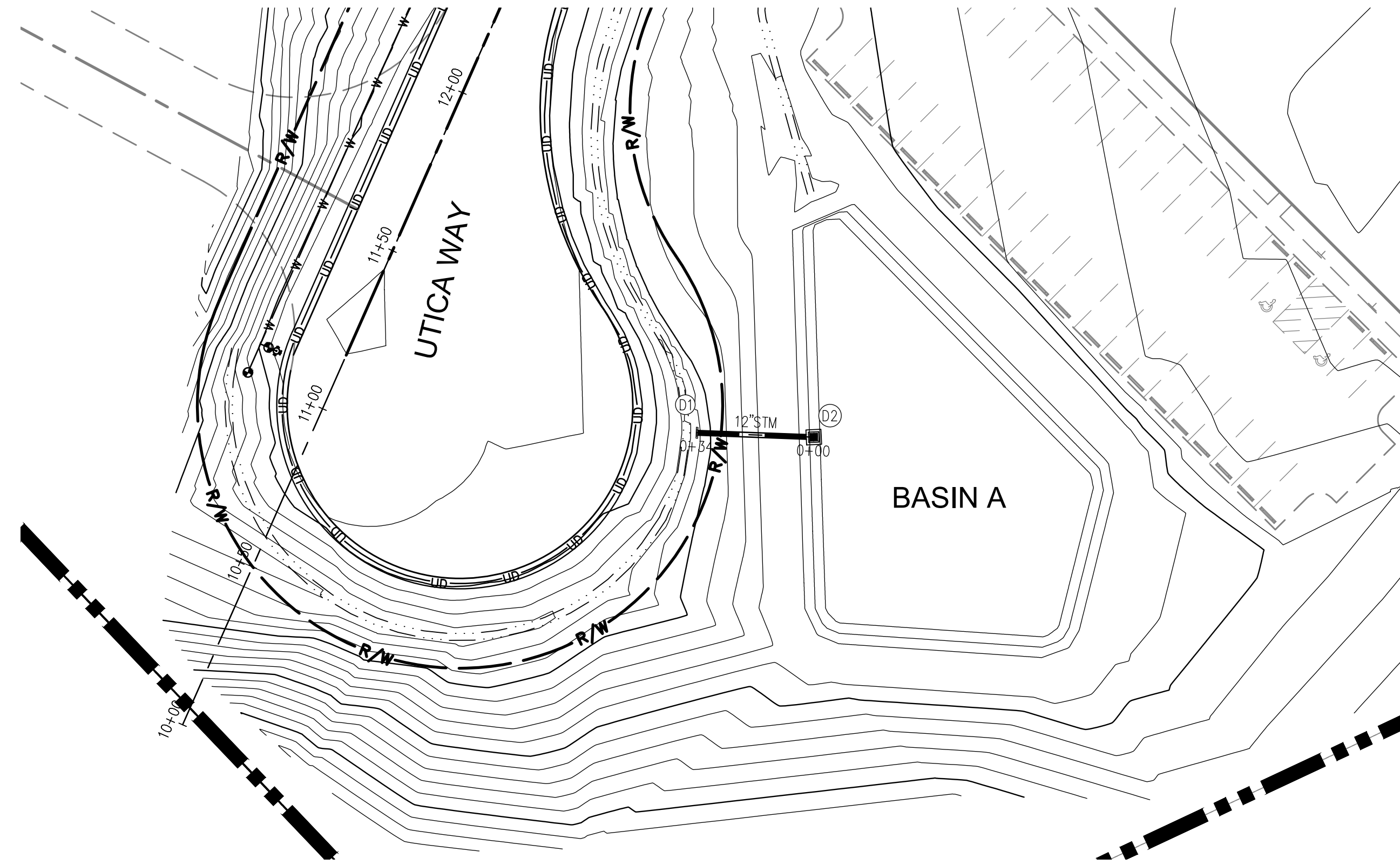
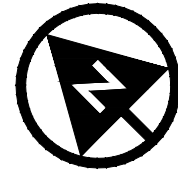
DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO.: 16050
CHK'D BY: DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
CROSS SECTIONS - 31+00 TO 31+50

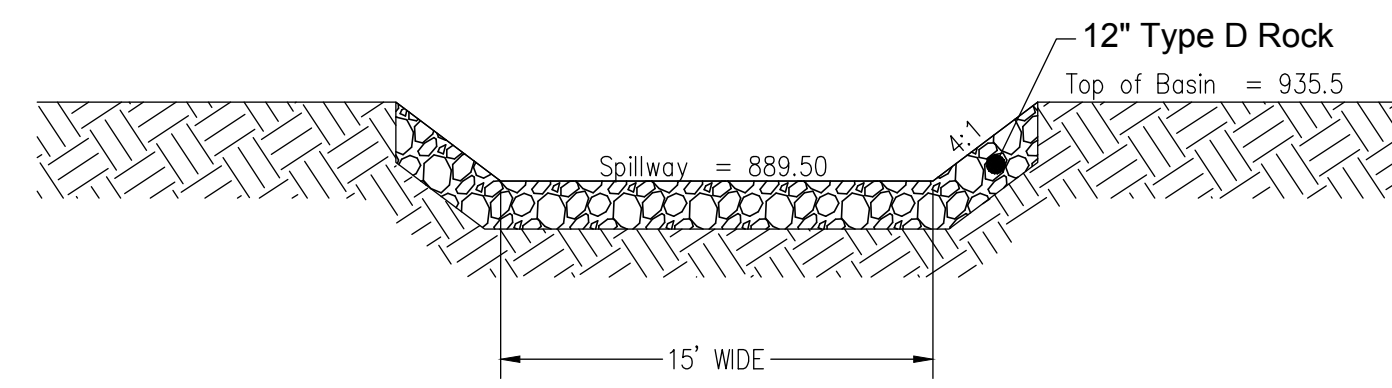
DATE:
MARCH 6, 2023

SCALE:
1" = 5'

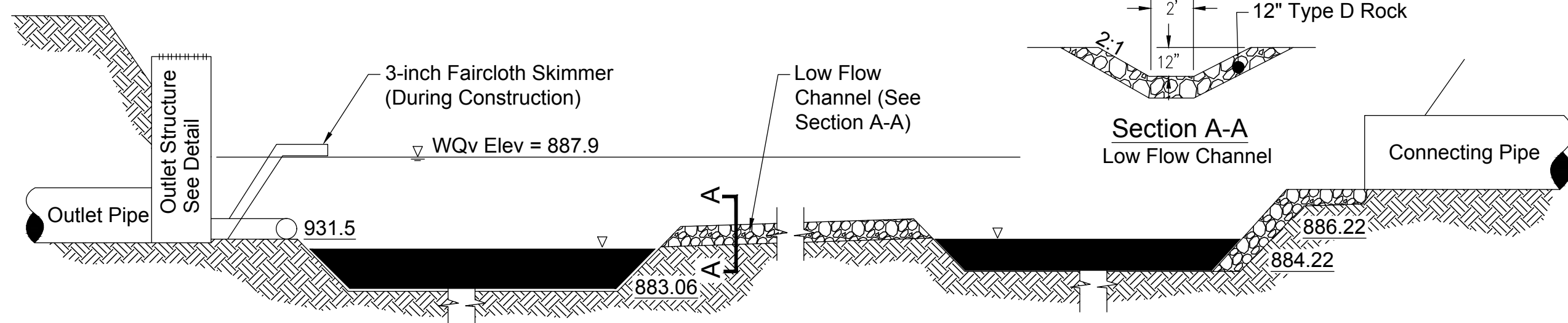
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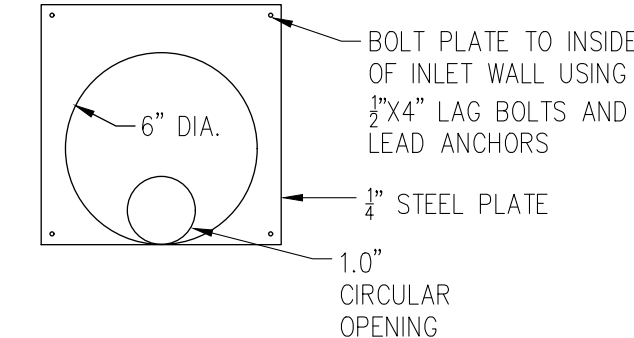
Elevation of Basin (ft)	Area (Sq.Ft.)	Volume Provided (Cu.Ft.)	Volume Provided (Ac.-Ft.)	As-Built Area (Sq.Ft.)
931.5		0	0.00	
932.5	5,969	1,990	0.05	
933.5	6,990	8,462	0.19	
934.5	8,068	15,985	0.37	
935.5	9,203	24,614	0.57	



THE MICROPOOL, FOREBAY, AND LOW FLOW CHANNEL SHOWN ON THE DETAIL BELOW ARE PERMANENT WATER QUALITY FEATURES. THESE FEATURES ARE TO BE INSTALLED UPON 75% ESTABLISHMENT OF THE OVERALL SITE, AND THEY ARE NOT TO BE INSTALLED DURING CONSTRUCTION.



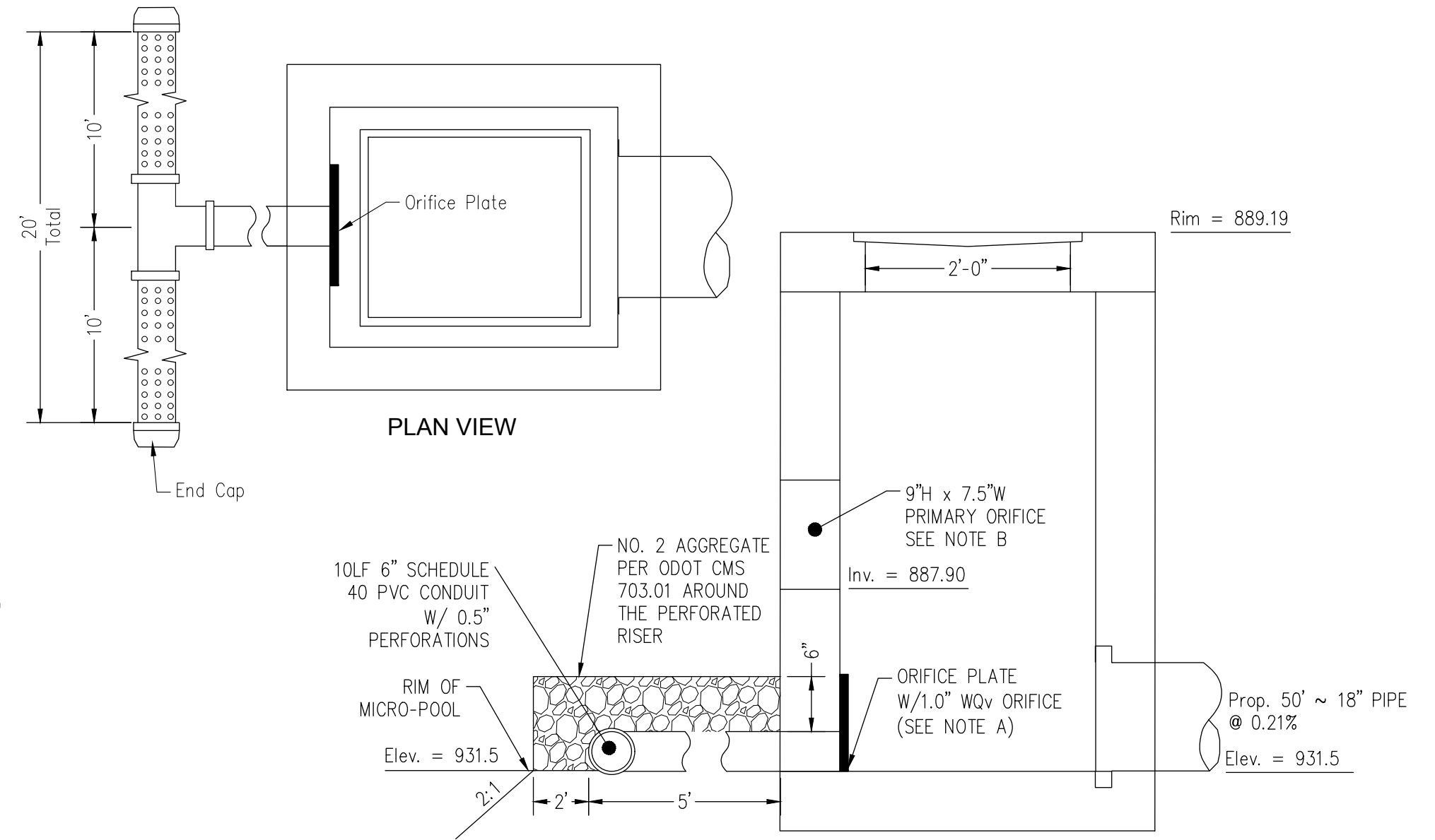
ORIFICE PLATE DETAIL



BASIN MATERIALS: THE BASIN DIMENSIONS, MATERIALS, AND GRATE ARE TO BE PER ODOT CB-1.2, EXCEPT AS DETAILED HEREIN. ALL AGGREGATE SHOWN SHALL MEET ODOT CMS 203.02 H. NATURAL GRANULAR MATERIALS AND SPECIFIED GRADATIONS.

NOTE A: WQ ORIFICE SHALL NOT BE INSTALLED UNTIL SITE HAS STABILIZED WITH VEGETATION AND FAIRCLOTH SKIMMER HAS BEEN REMOVED. THE CONTRACTOR MAY SUBSTITUTE A THREADED CAP WITH A HOLE FOR THE ORIFICE PLATE. IN NO CASE SHALL THE CAP BE GLUED.

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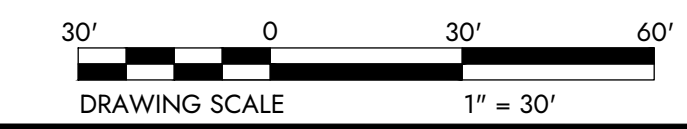


DR1 DETENTION BASIN FOREBAY & MICRO-POOL
SEE PROFILES FOR ELEVATIONS

Not to Scale

D02 OUTLET STRUCTURE D02

Not to Scale



DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

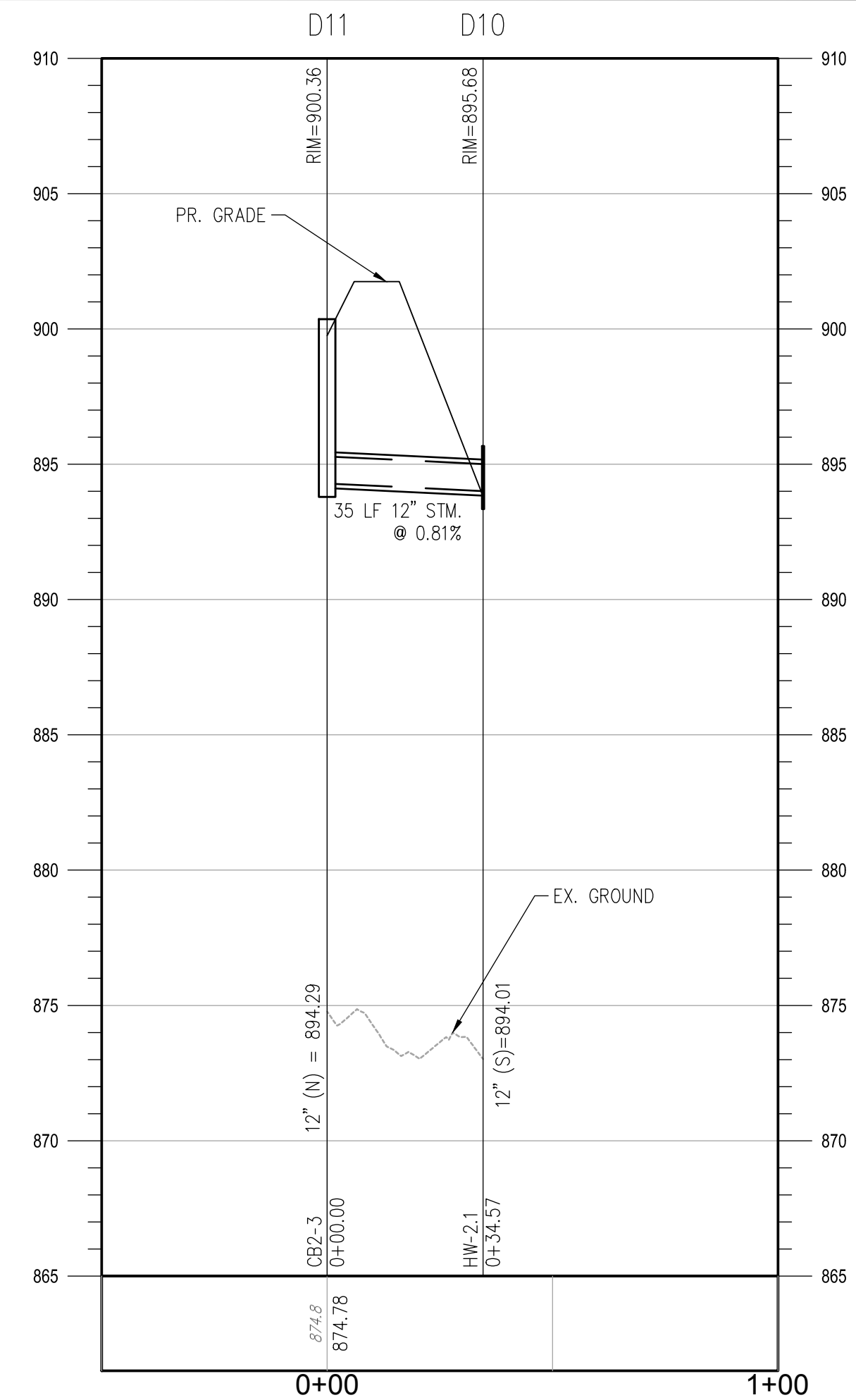
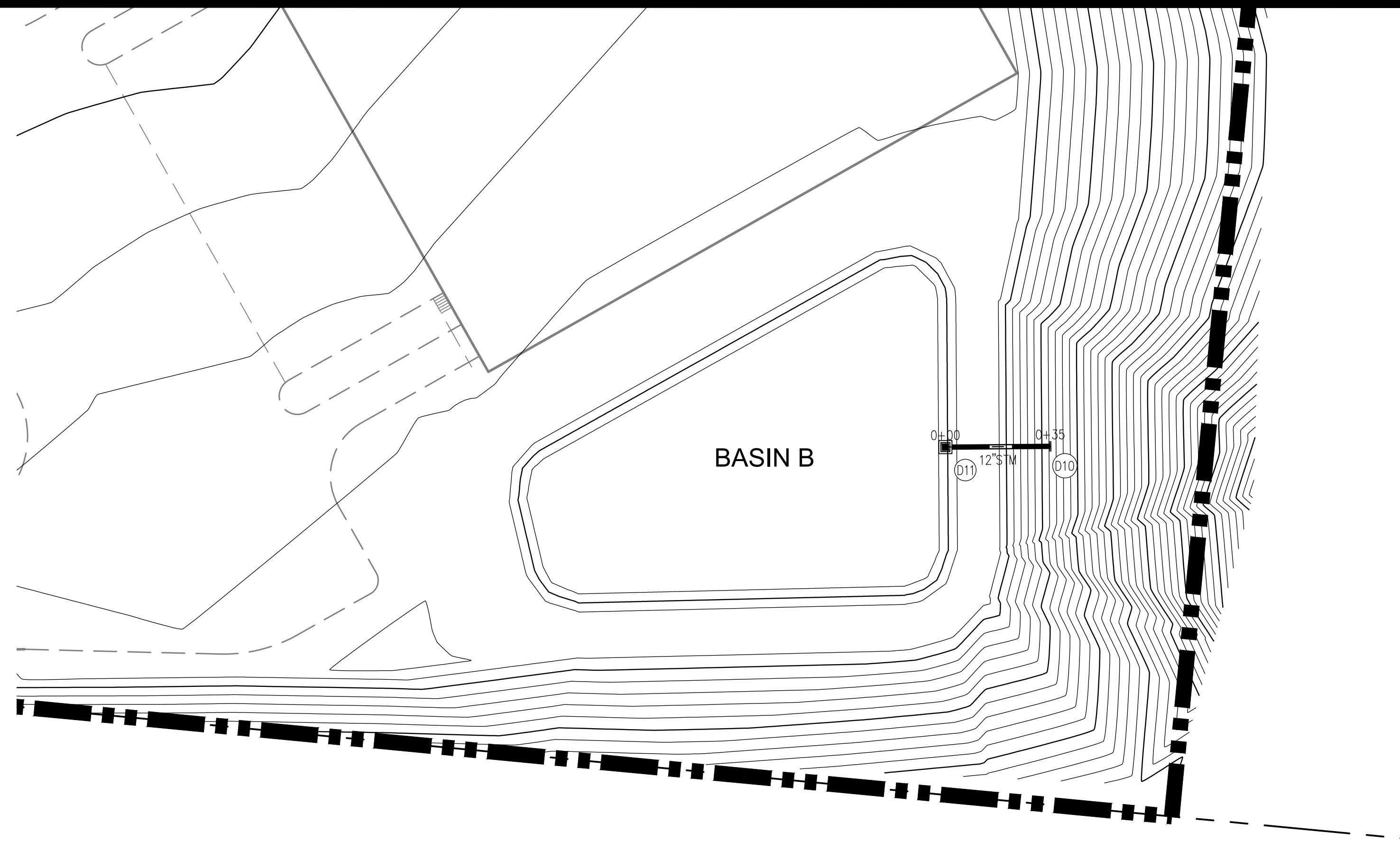
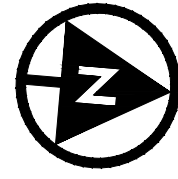
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
BASIN A DETAIL

DATE: MARCH 6, 2023

SCALE: 1" = 30'

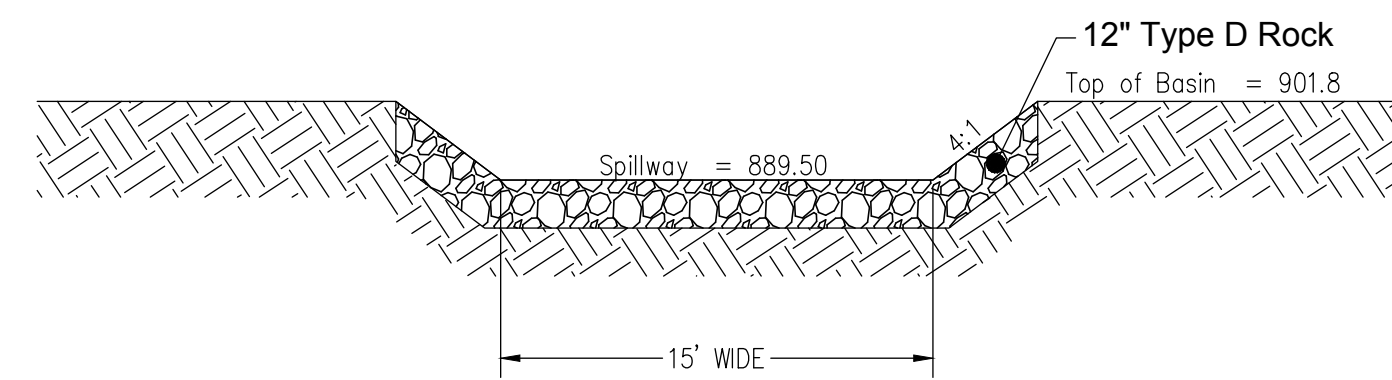
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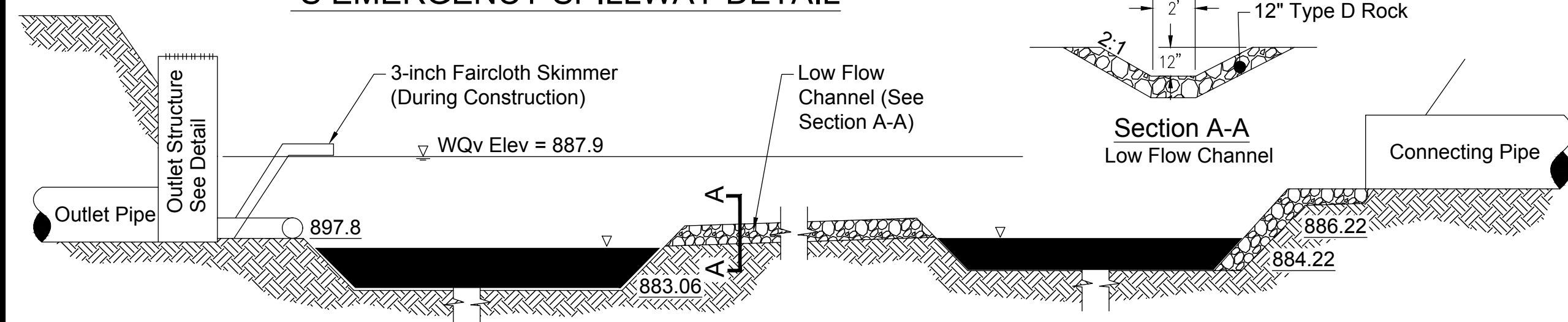
STRM-5: STA. 0+50 TO STA. 1+00
SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 5'

Elevation of Basin (ft)	Area (Sq.Ft.)	Volume Provided (Cu.Ft.)	Volume Provided (Ac-Ft.)	As-Built Area (Sq.Ft.)
897.8	0	0	0.00	
898.8	10,026	3,342	0.08	
899.8	11,287	13,992	0.32	
900.8	12,606	25,932	0.60	
901.8	13,980	39,219	0.90	



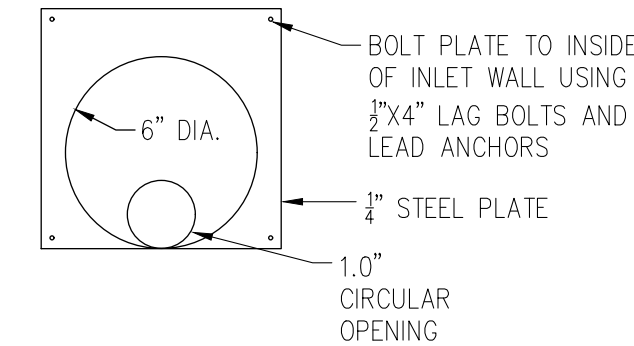
S EMERGENCY SPILLWAY DETAIL

THE MICROPOOL, FOREBAY, AND LOW FLOW CHANNEL SHOWN ON THE DETAIL BELOW ARE PERMANENT WATER QUALITY FEATURES. THESE FEATURES ARE TO BE INSTALLED UPON 75% ESTABLISHMENT OF THE OVERALL SITE, AND THEY ARE NOT TO BE INSTALLED DURING CONSTRUCTION.



Section A-A
Low Flow Channel

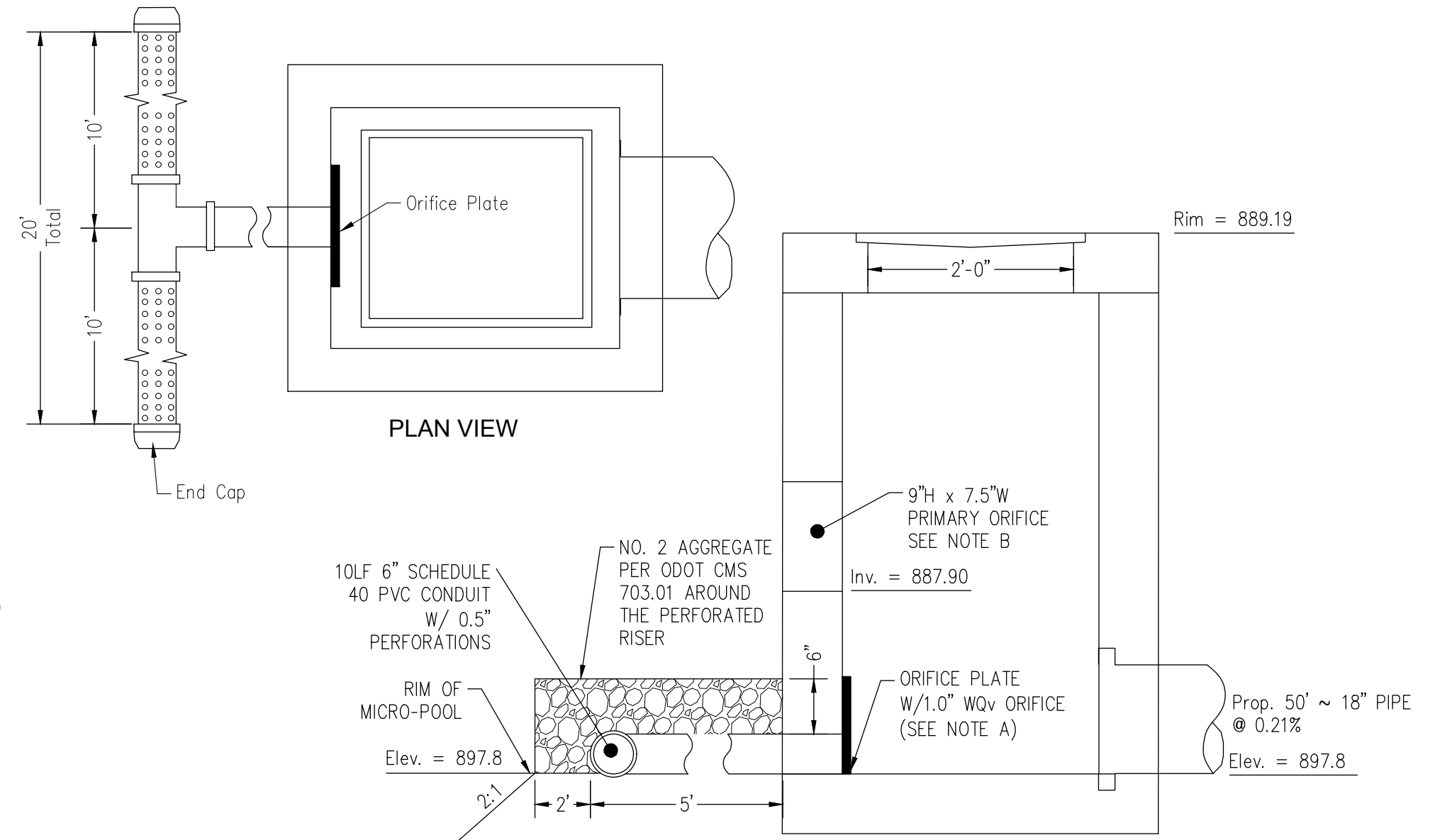
ORIFICE PLATE DETAIL



BASIN MATERIALS: THE BASIN DIMENSIONS, MATERIALS, AND GRATE ARE TO BE PER ODOT CB-1.2, EXCEPT AS DETAILED HEREIN. ALL AGGREGATE SHOWN SHALL MEET ODOT CMS 203.02 H. NATURAL GRANULAR MATERIALS AND SPECIFIED GRADATIONS.

NOTE A: WQ ORIFICE SHALL NOT BE INSTALLED UNTIL SITE HAS STABILIZED WITH VEGETATION AND FAIRCLOTH SKIMMER HAS BEEN REMOVED. THE CONTRACTOR MAY SUBSTITUTE A THREADED CAP WITH A HOLE FOR THE ORIFICE PLATE. IN NO CASE SHALL THE CAP BE GLUED.

NOTE B: CONTRACTOR SHALL COVER PRIMARY ORIFICE ON THE OUTLET STRUCTURE DURING CONSTRUCTION. UPON 75% ESTABLISHMENT OF SITE, THE CONTRACTOR SHALL INSTALL THE MICROPOOL, LOW FLOW CHANNEL AND FOREBAY AND MODIFY THE OUTLET STRUCTURE AS NECESSARY TO COMPLY WITH THE DETAIL PROVIDED.



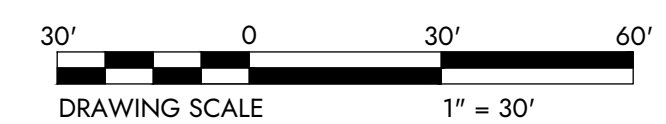
PLAN VIEW

D02 OUTLET STRUCTURE D02

Not to Scale

DR1 DETENTION BASIN FOREBAY & MICRO-POOL
SEE PROFILES FOR ELEVATIONS

Not to Scale

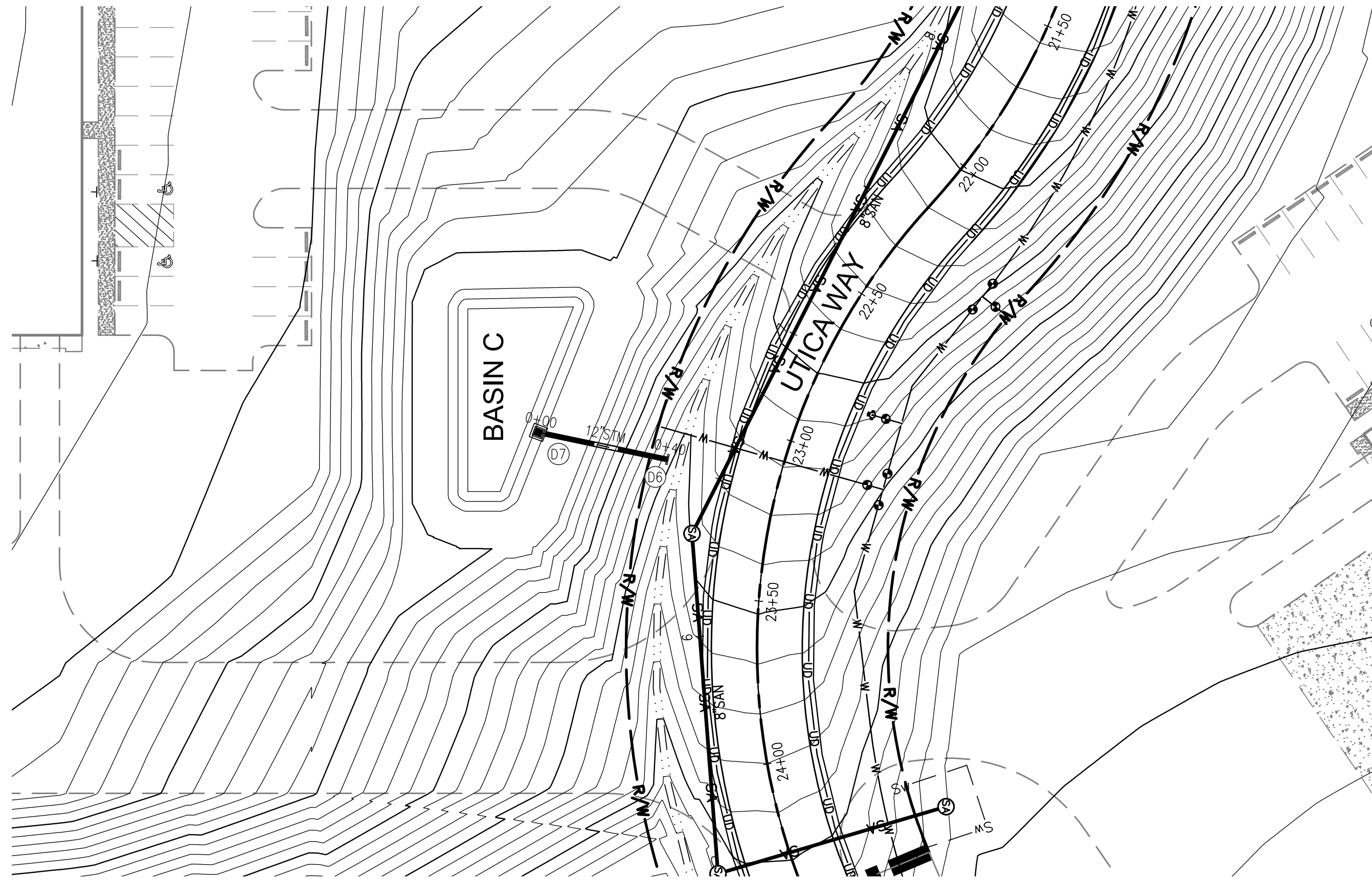
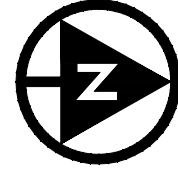


DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJECT NO.:
JWE	JWE	SCE	16050

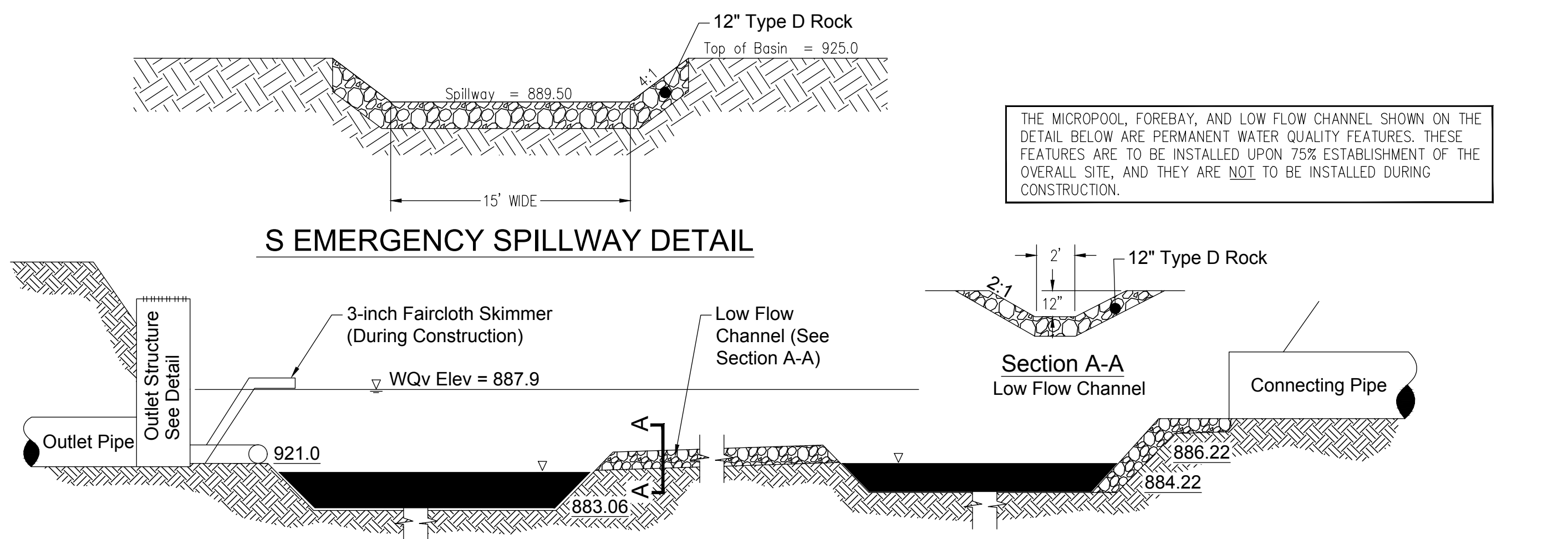
DATE: MARCH 6, 2023

SCALE: 1" = 30'

SHEET: 41



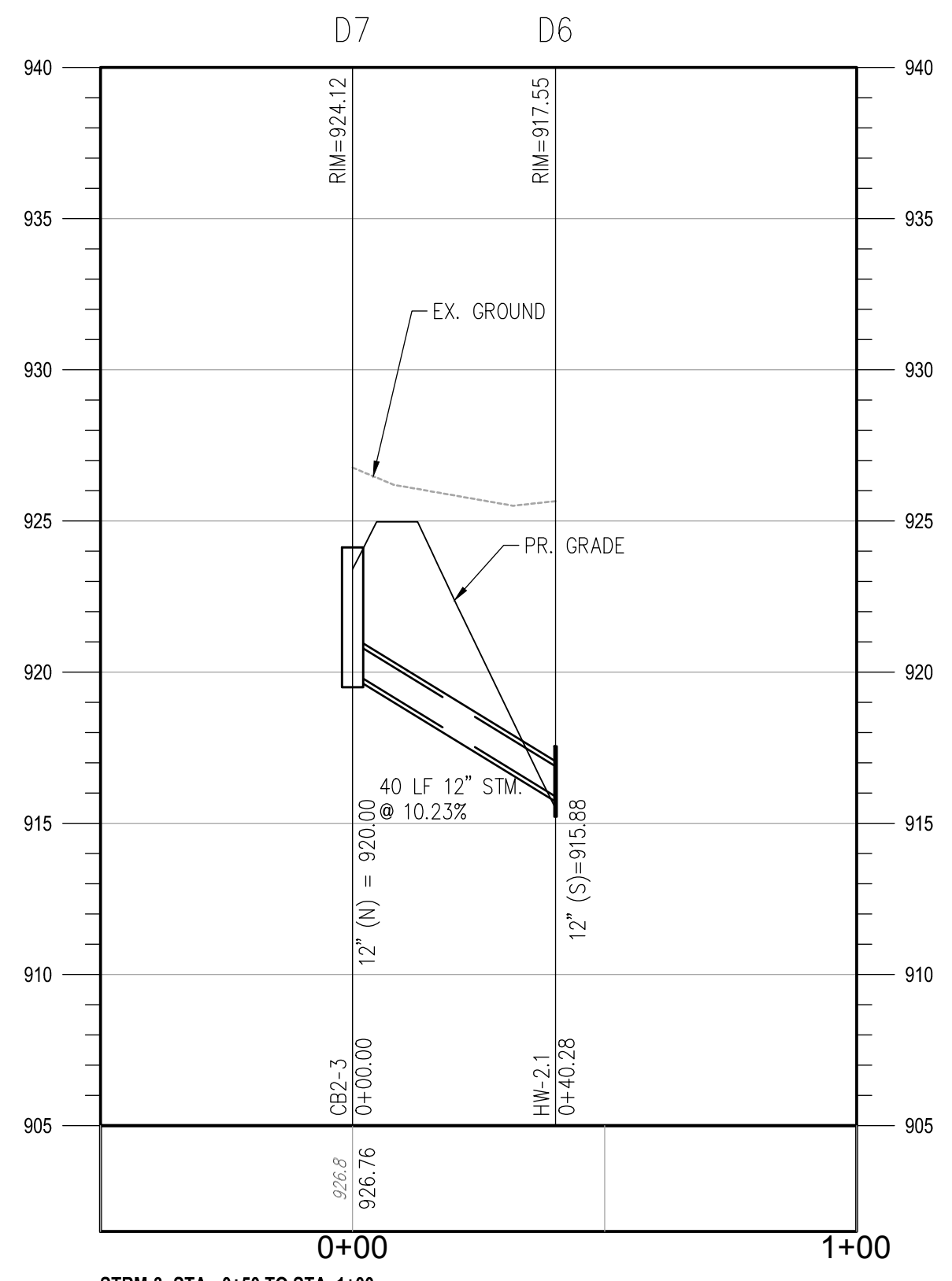
Elevation of Basin (ft)	Area (Sq.Ft.)	Volume Provided (Cu.Ft.)	Volume Provided (Ac.Ft.)	As-Built Area (Sq.Ft.)
921.0	0	0	0	
922.0	1,168	389	0.01	
923.0	1,679	1,805	0.04	
924.0	2,250	3,763	0.09	
925.0	2,878	6,320	0.15	



THE MICROPOOL, FOREBAY, AND LOW FLOW CHANNEL SHOWN ON THE DETAIL BELOW ARE PERMANENT WATER QUALITY FEATURES. THESE FEATURES ARE TO BE INSTALLED UPON 75% ESTABLISHMENT OF THE OVERALL SITE, AND THEY ARE NOT TO BE INSTALLED DURING CONSTRUCTION.

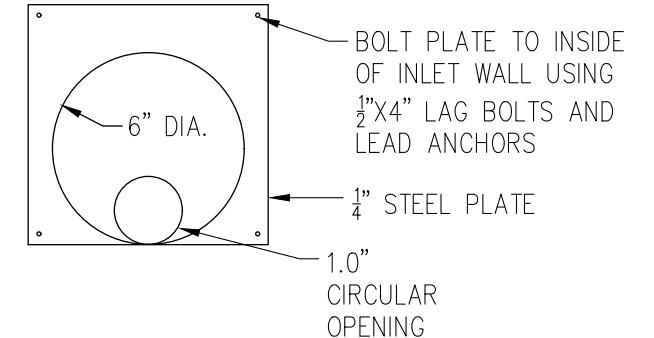
DR1 DETENTION BASIN FOREBAY & MICRO-POOL
SEE PROFILES FOR ELEVATIONS

Not to Scale



STRM-3: STA. 0+50 TO STA. 1+00
SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 5'

ORIFICE PLATE DETAIL

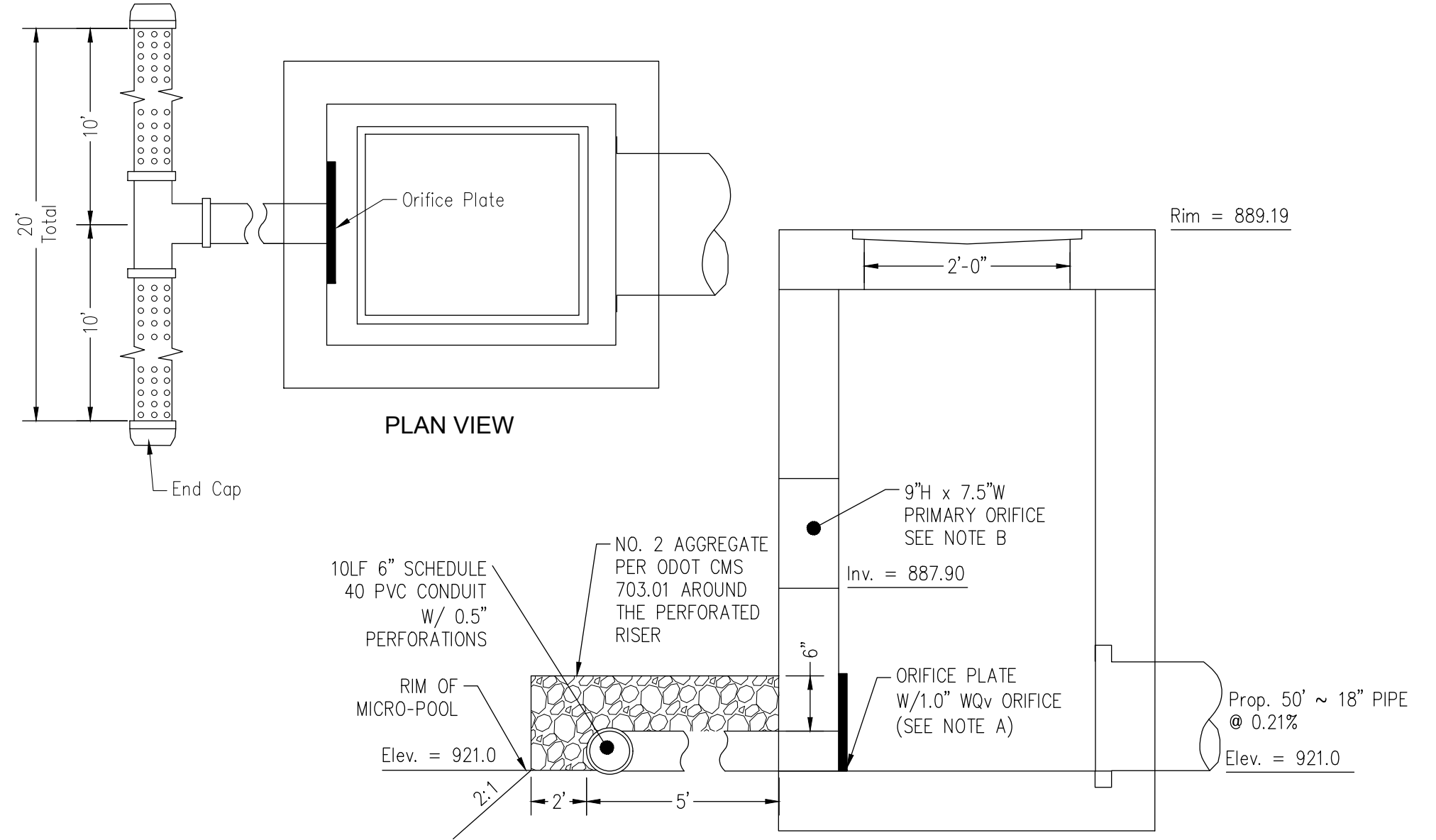


BASIN MATERIALS: THE BASIN DIMENSIONS, MATERIALS, AND GRATE ARE TO BE PER ODOT CB-1.2, EXCEPT AS DETAILED HEREIN. ALL AGGREGATE SHOWN SHALL MEET ODOT CMS 203.02 H. NATURAL GRANULAR MATERIALS AND SPECIFIED GRADATIONS.

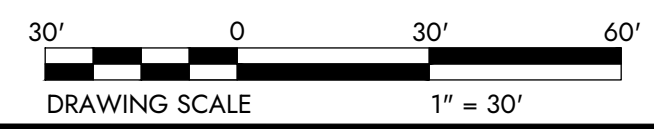
NOTE A: WQ ORIFICE SHALL NOT BE INSTALLED UNTIL SITE HAS STABILIZED WITH VEGETATION AND FAIRCLOTH SKIMMER HAS BEEN REMOVED. THE CONTRACTOR MAY SUBSTITUTE A THREADED CAP WITH A HOLE FOR THE ORIFICE PLATE. IN NO CASE SHALL THE CAP BE GLUED.

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D02 OUTLET STRUCTURE D02



Not to Scale



DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

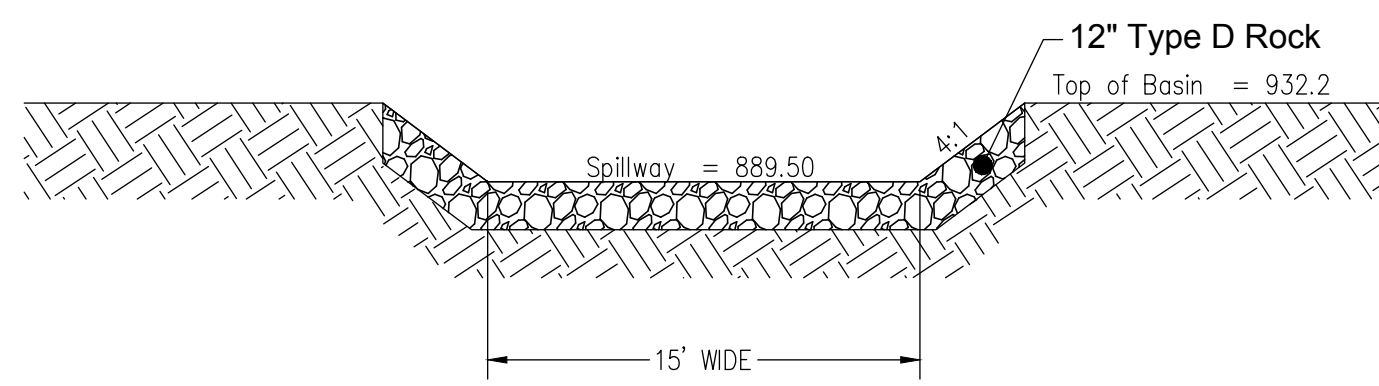
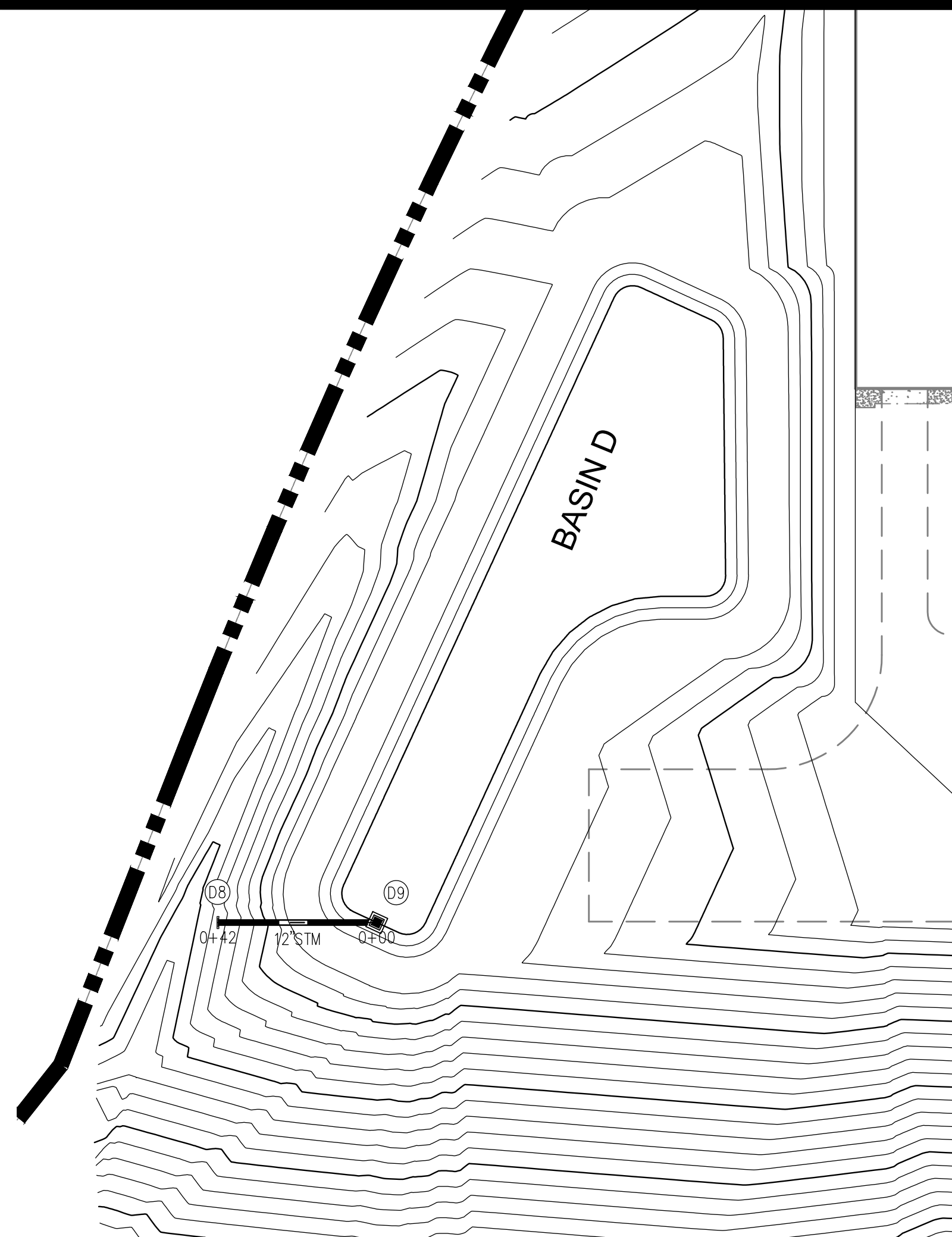
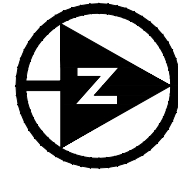
GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
BASIN C DETAIL

DATE: MARCH 6, 2023

SCALE: 1" = 30'

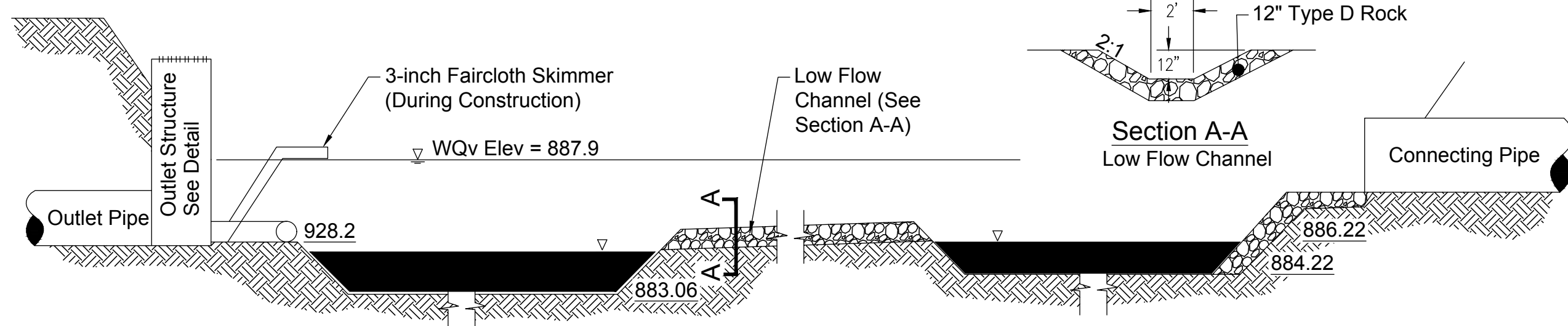
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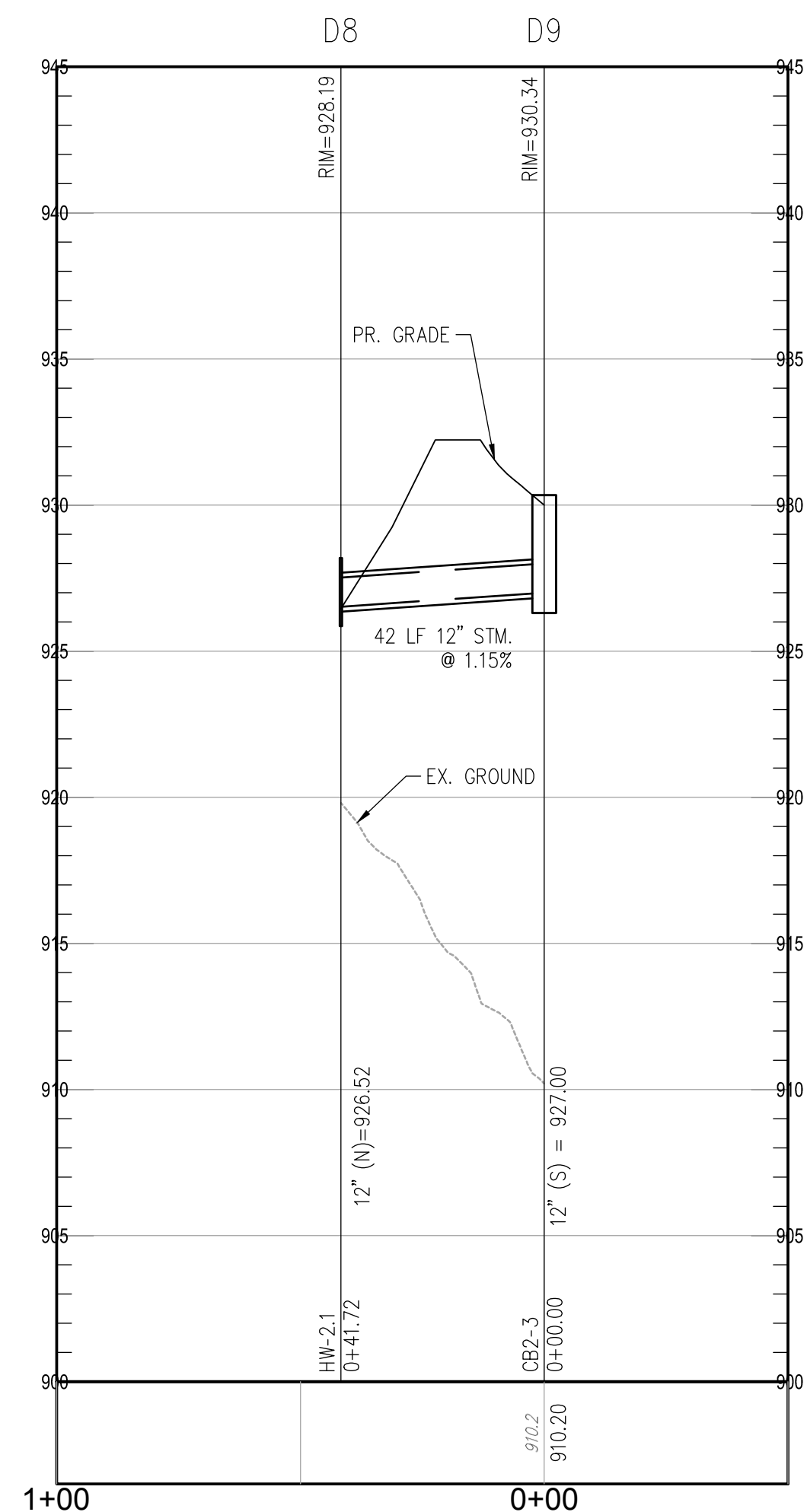
S EMERGENCY SPILLWAY DETAIL

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DR1 DETENTION BASIN FOREBAY & MICRO-POOL
SEE PROFILES FOR ELEVATIONS

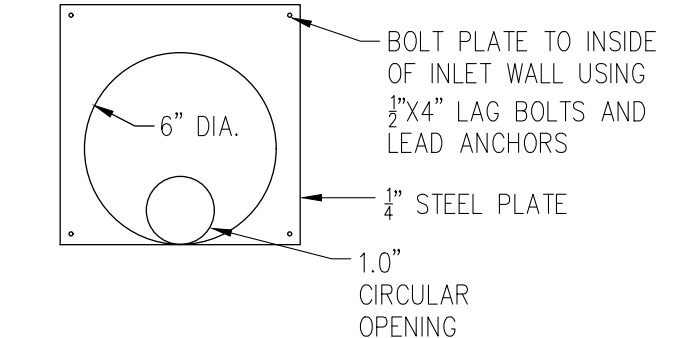
Not to Scale



STRM-4: STA. 0+50 TO STA. 1+00
SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 5'

Elevation of Basin (ft)	Area (Sq.Ft.)	Volume Provided (Cu.Ft.)	Volume Provided (Ac-Ft.)	As-Built Area (Sq.Ft.)
928.2	0	0	0	
929.2	4,976	1,659	0.04	
930.2	6,247	7,258	0.17	
931.2	7,574	14,158	0.33	
932.2	8,957	22,414	0.51	

ORIFICE PLATE DETAIL

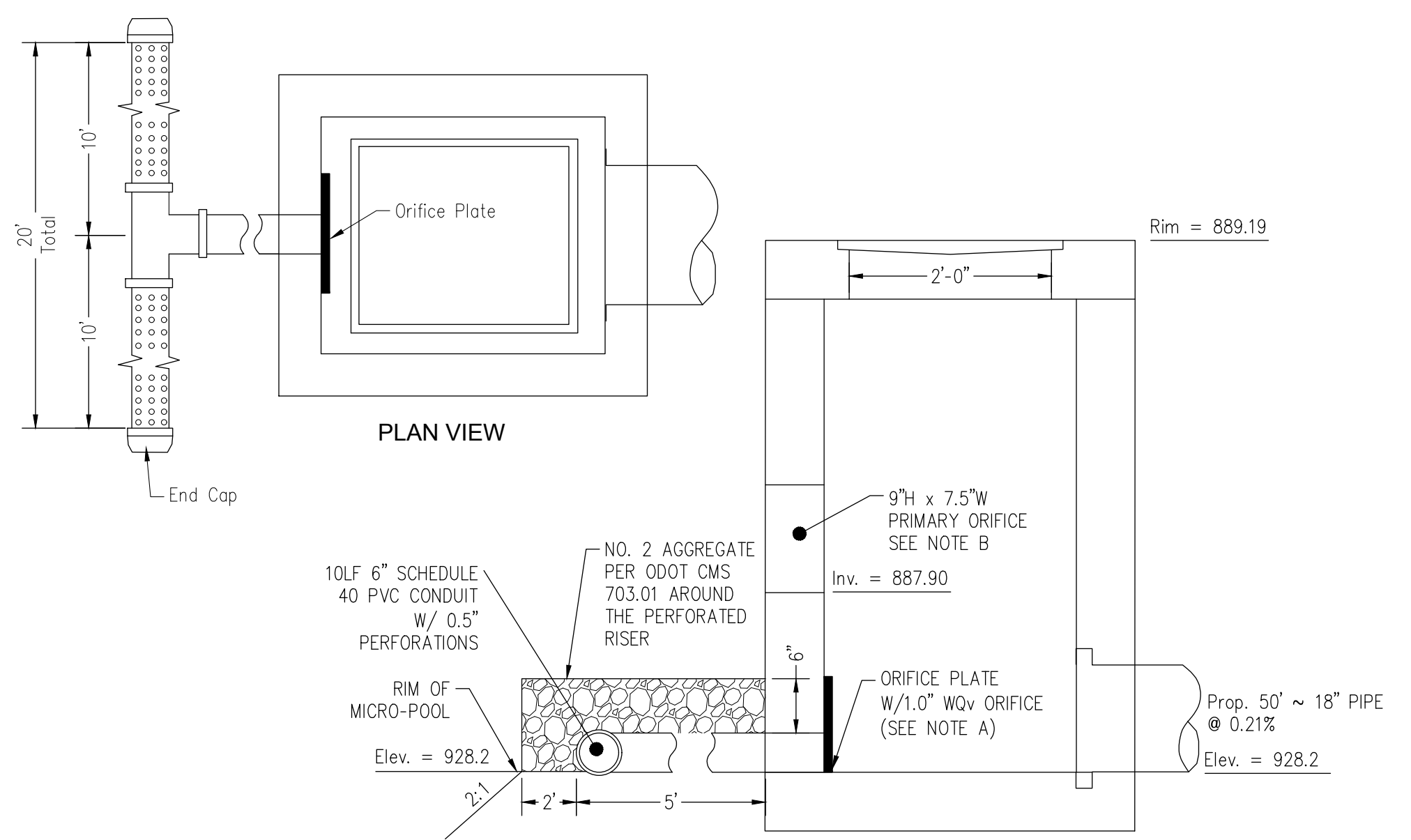


BASIN MATERIALS: THE BASIN DIMENSIONS, MATERIALS, AND GRATE ARE TO BE PER ODOT CB-1.2, EXCEPT AS DETAILED HEREIN. ALL AGGREGATE SHOWN SHALL MEET ODOT CMS 203.02 H. NATURAL GRANULAR MATERIALS AND SPECIFIED GRADATIONS.

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D02 OUTLET STRUCTURE D02



Not to Scale

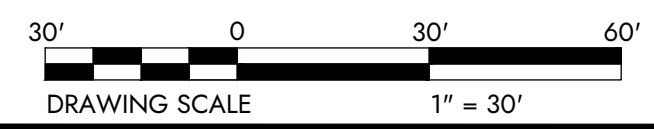
DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJECT NO.:
JWE	JWE	SCB	16050

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
BASIN D DETAIL

DATE: MARCH 6, 2023

SCALE: 1" = 30'

SHEET: 43



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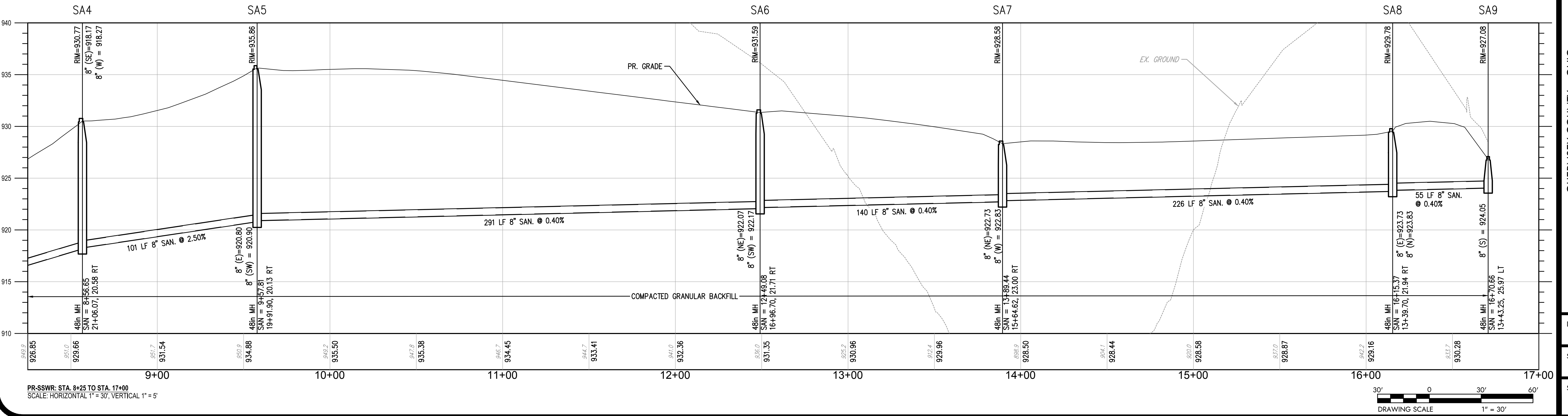
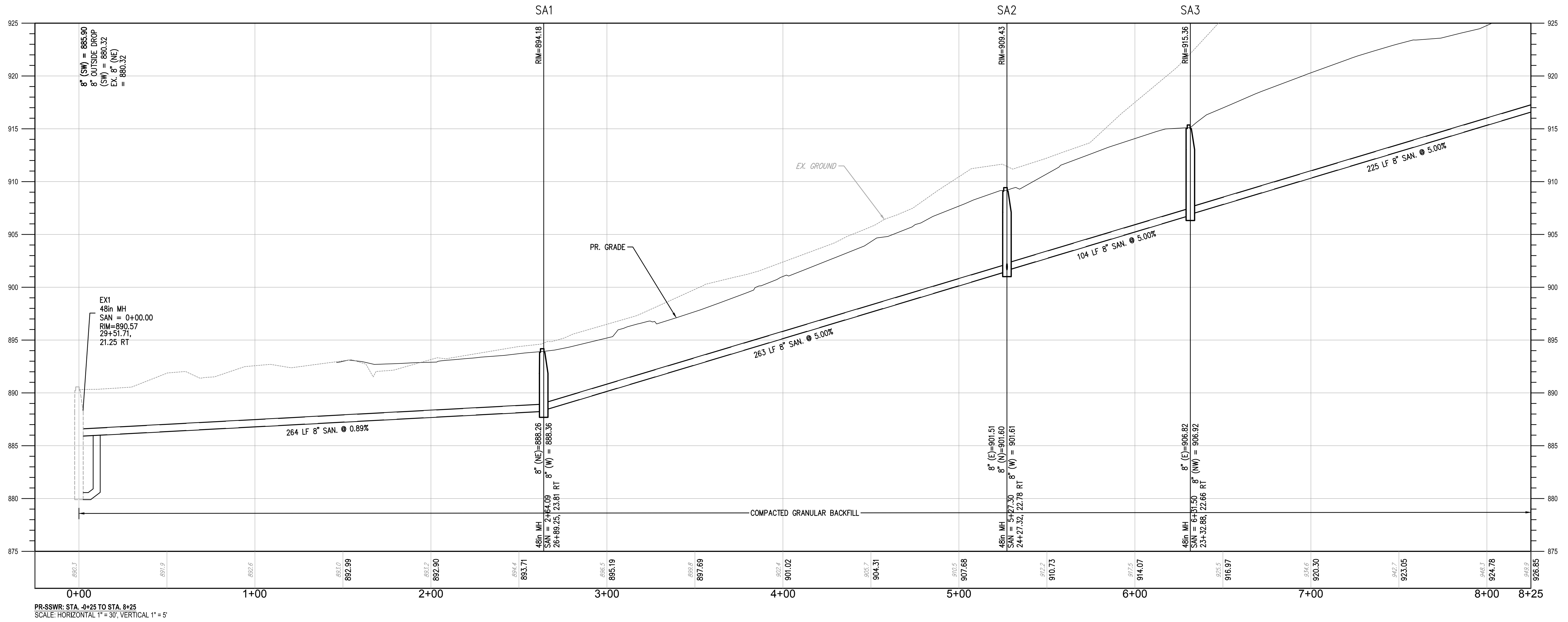
DESIGNED BY:	LIVE
DRAWN BY:	LIVE
CHECKED BY:	SCB
PROJECT NO.:	16050

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
SANITARY PROFILE

DATE: MARCH 6, 2023

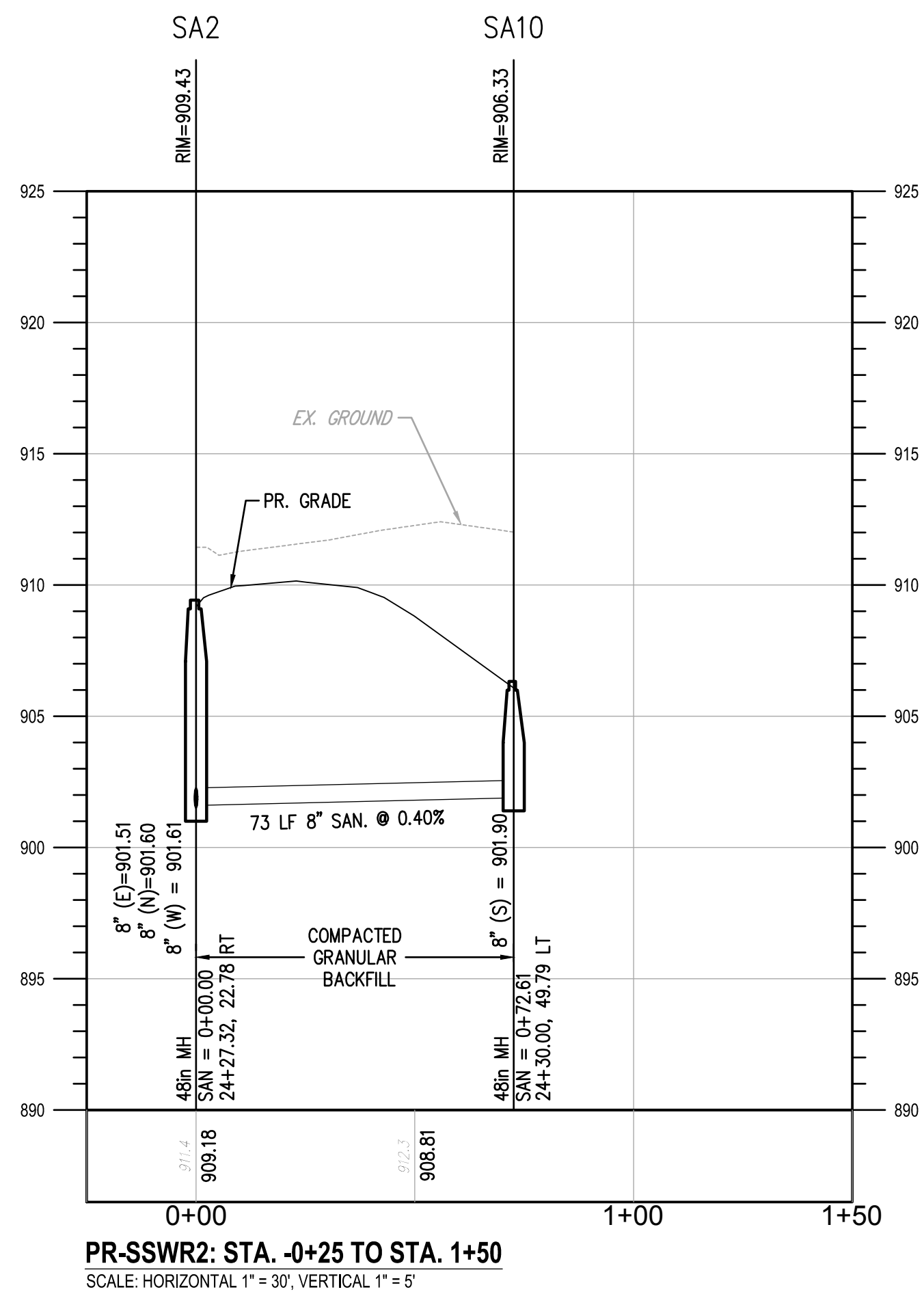
SCALE: 1" = 30'

SHEET: 44



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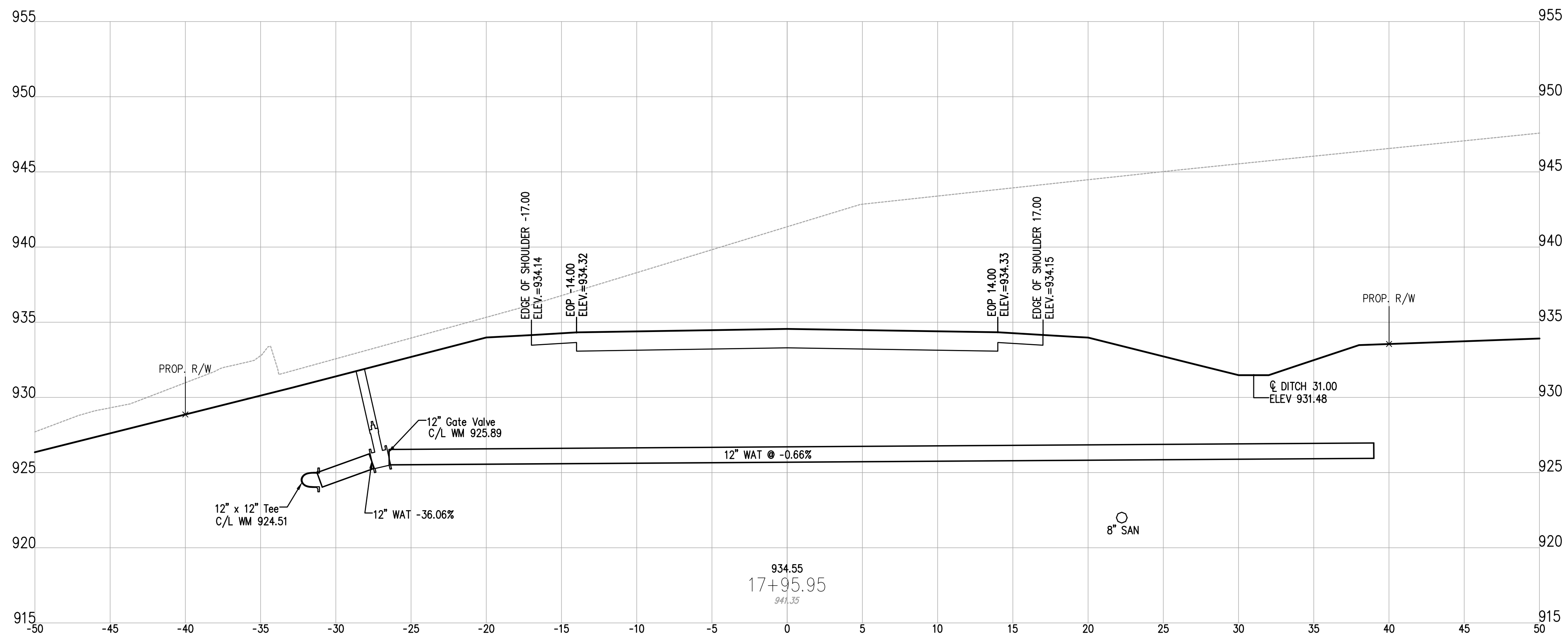
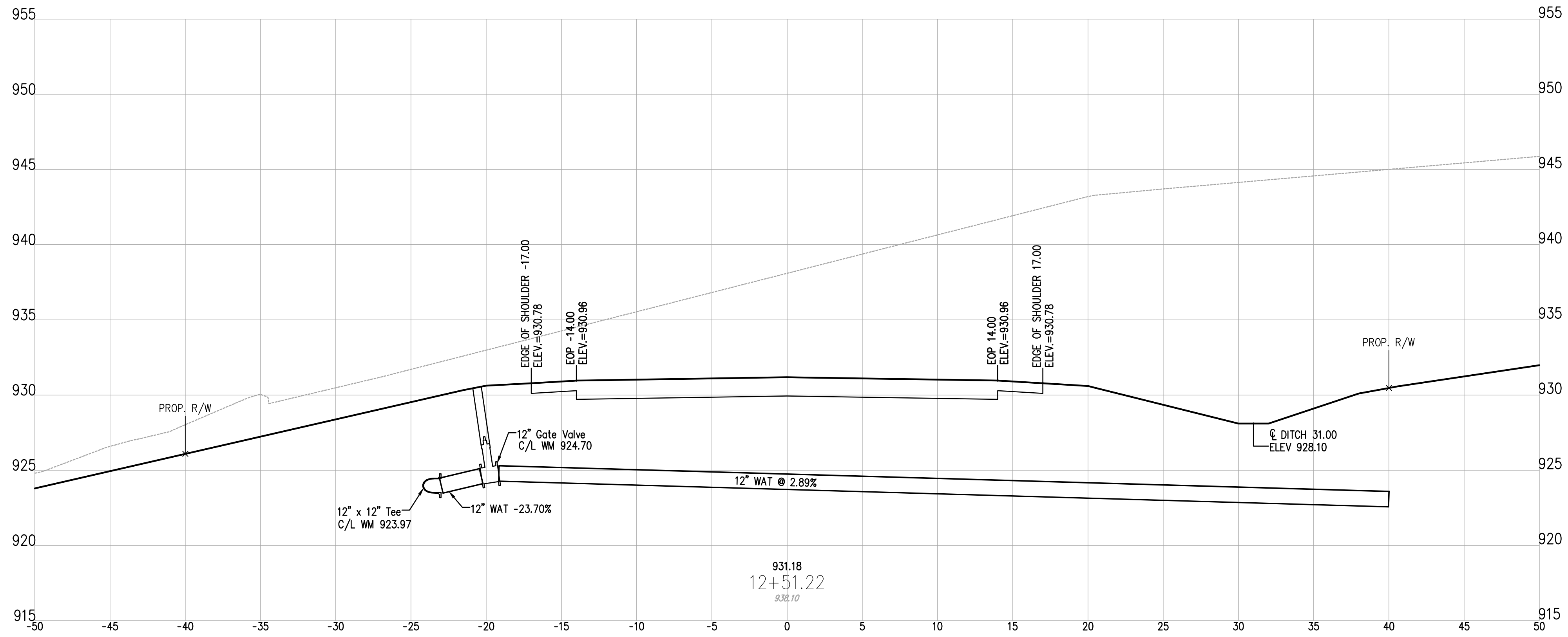


CHK'D BY	DESIGNED BY:
DATE	LIVE
REVISION	DRAWN BY:
No.	LIVE
	CHECKED BY:
	SCS
	PROJECT NO.
	16050

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
SANITARY PROFILE

DATE: MARCH 6, 2023
SCALE: 1" = 30'
SHEET: 45

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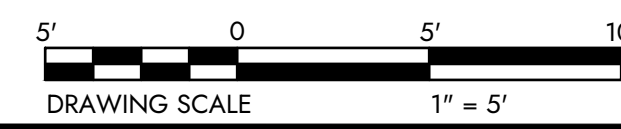
DESIGNED BY: JWE	DRAWN BY: JWE	CHECKED BY: SCE	PROJECT NO. 16050
CHK'D BY: DATE			
REVISION			
No.			

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
WATER PROFILE

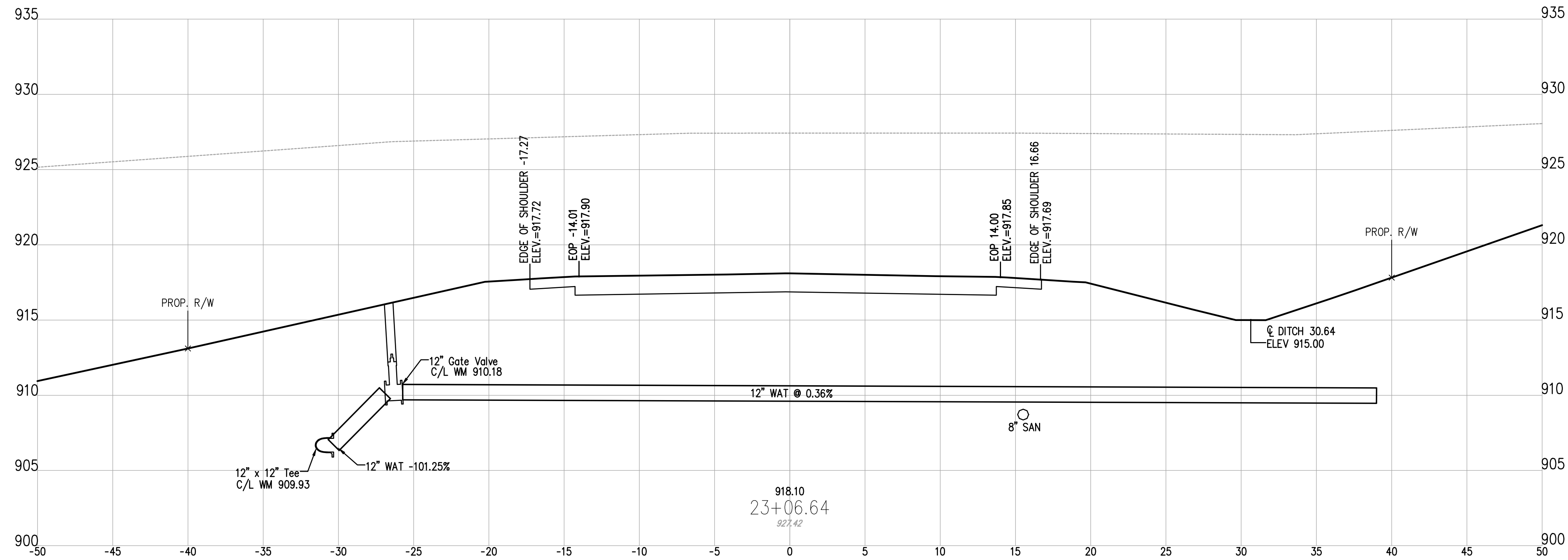
DATE:
MARCH 6, 2023

SCALE:
1" = 5'

SHEET:
46



Z:\project files\16000\16050\working\design\sheet and plan\16050-water_profiles.dwg



DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJECT NO.:
JWE	JWE	SCB	16050

GUERNSEY COUNTY ~ OHIO
D.O. HALL
UTICA WAY EXTENSION
WATER PROFILE

DATE: MARCH 6, 2023
SCALE: 1" = 5'
SHEET: 47

