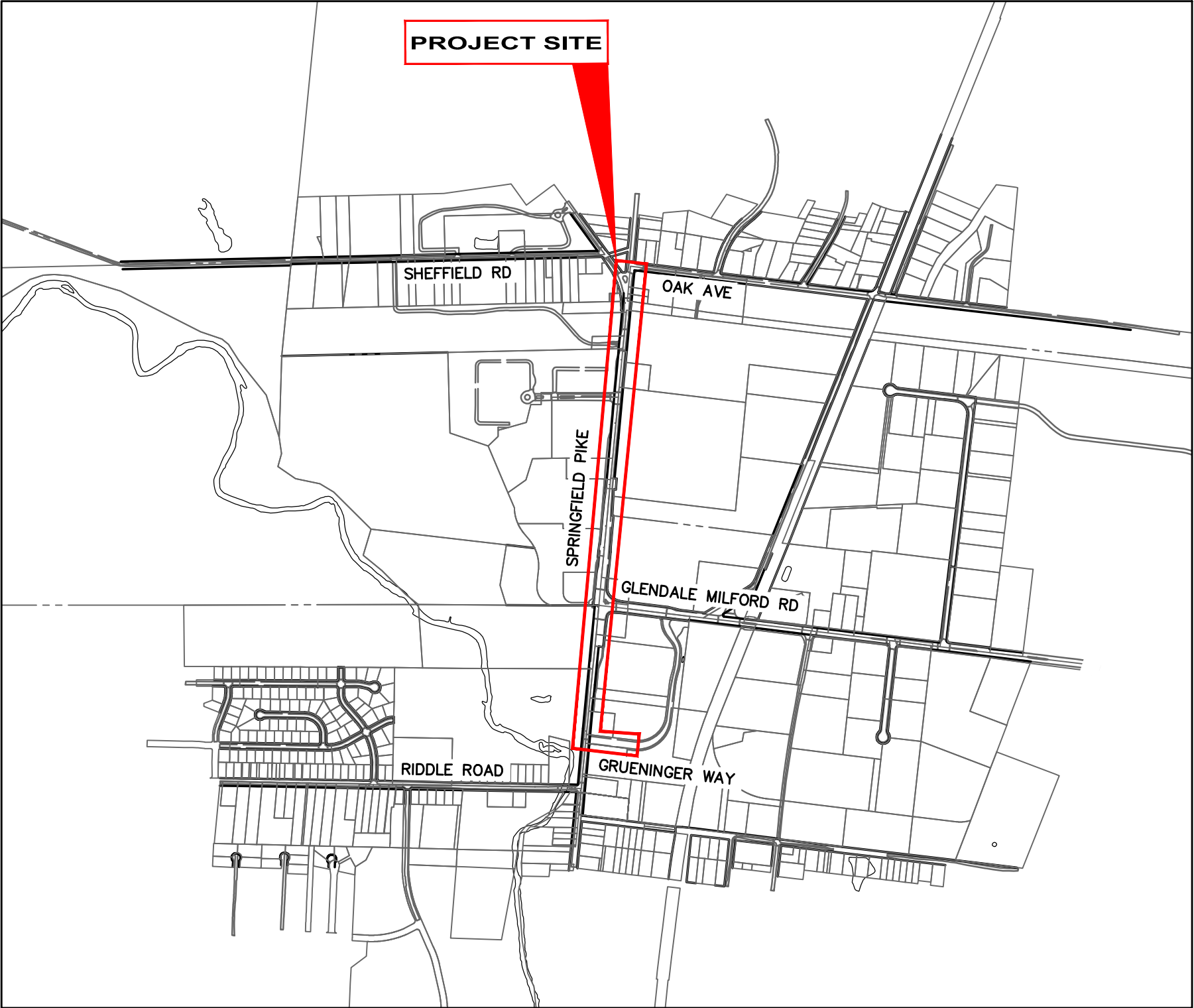


# CITY OF WOODLAWN HAMILTON COUNTY, OHIO SPRINGFIELD PIKE SIDEWALK IMPROVEMENTS

220840

**MAYOR**  
BRIAN K. POOLE  
**VILLAGE MANAGER**  
TIMOTHY ENGEL  
**VILLAGE COUNCIL**  
ESTER BOYD  
ROSEMARY BROWN  
PAMELA FITZGERALD  
ROBERT LAWSON  
CYNDI CHANDLER  
MICHELLE STAR



**VICINITY MAP**

**ODOT STANDARD DRAWINGS**

THE CURRENT EDITION OF THE ODOT STANDARD DRAWINGS ARE HEREBY MADE PART OF THESE PLANS.

**PROJECT SPECIFICATIONS**

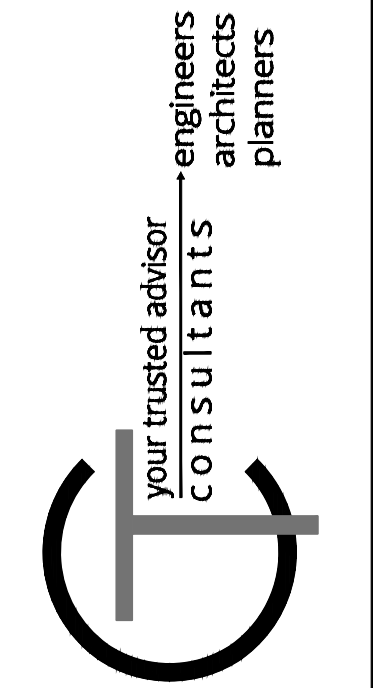
IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE JANUARY 1, 2023 STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND

SUPPLEMENTAL SPECIFICATIONS THERETO. THE PROJECT SPECIFICATIONS, UNDER SEPERATE COVER, PREPARED BY CT CONSULTANTS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

UNDERGROUND UTILITIES  
Contact Two Working Days  
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764  
(Non-members must be called directly)

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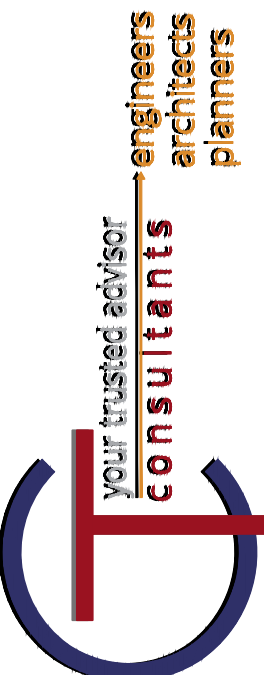
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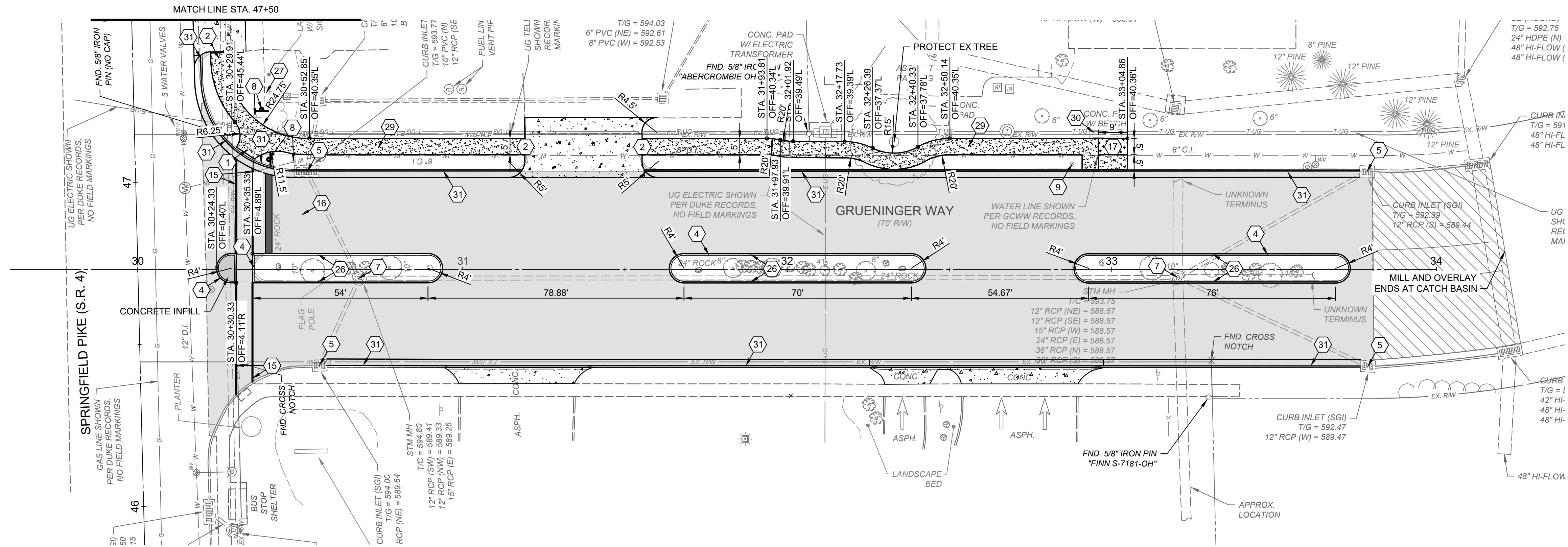
**GRUENINGER & SPRINGFIELD PIKE**  
VILLAGE OF WOODLAWN  
HAMILTON COUNTY, OHIO

**TITLE**

PROJECT NO.	220840
DISCIPLINE	CIVIL
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GENERAL NOTES	GENERAL NOTES	STORM & SANITARY NOTES	HATCH LEGEND	SYMBOL LEGEND	
<p>1. UNLESS SPECIFICALLY SET FORTH HEREIN, ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.</p> <p>2. EXPANSION MATERIAL FOR CONCRETE SIDEWALKS, DRIVEWAY APRONS, CURBS, AND GUTTERS SHALL BE FLEXIBLE FOAM MATERIAL, IN ACCORDANCE WITH THE ODOT CMS ITEM 705.03, INSTALLED PER THE FOLLOWING CONDITIONS:</p> <p>A. AT ALL FIXED OBJECTS (I.E. UTILITY COVERS, VALVES, MANHOLES, ETC.) WHERE NEW CONCRETE ABUTS EXISTING CONCRETE</p> <p>B. AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, STEPS, ETC.) PAYMENT FOR THIS ITEM AND ZIP STRIPS INCLUDED IN THE PERTINENT CONCRETE PAVEMENT UNIT PRICE.</p> <p>C. AT ALL STREET INTERSECTIONS AT THE POINT OF CURVATURE OF THE TURNING RADI ENTERING THE INTERSECTION.</p> <p>D. NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT. ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.</p> <p>3. ANY AND ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED WITH NEW MATERIALS TO THE SATISFACTION OF THE VILLAGE. YARDS SHALL BE SEEDED AND MULCHED PER ITEM 659. YARDS ARE TO BE RESTORED WITHIN 7 DAYS OF DEMOLITION.</p> <p>4. ALL APPLICABLE REQUIREMENTS OF THE OEPA GENERAL CONSTRUCTION STORM WATER PERMIT SHALL BE FOLLOWED BY THE CONTRACTOR SHOULD THE PROJECT REQUIRE DISTURBANCE OF 1 ACRE OR MORE. REGARDLESS OF THE AMOUNT OF LAND DISTURBED, GOOD HOUSEKEEPING MEASURES AND SPILL PREVENTION AND CONTAINMENT PRACTICES SHALL BE UTILIZED FOR THE PROJECT.</p> <p>5. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM CINCINNATI AREA G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.</p> <p>6. THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE VILLAGE OF WOODLAWN.</p> <p>7. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.</p> <p>8. RELOCATION OR REINSTALLATION OF EXISTING MAIL BOXES, FENCES, PRIVATE LANDSCAPE LIGHTS, PRIVATE SIGNS, STREET SIGNS, RESTORATION OF LANDSCAPING AND TREATMENT OF EXISTING WALLS WHERE A PORTION HAS BEEN REMOVED SHALL BE INCIDENTAL TO CLEARING AND GRUBBING.</p> <p>9. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL COUNTY, STATE AND VILLAGE OF WOODLAWN PERMITS HAVE BEEN ISSUED, AS REQUIRED. THE CONTRACTOR SHALL PAY ALL CHARGES AND FEES ASSOCIATED WITH THE PERMITS.</p> <p>10. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE VILLAGE OF WOODLAWN. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE PLANS.</p> <p><b>MATERIALS AND SPECIFICATIONS</b></p> <p>UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW, AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF PREMIUM QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE INDICATED. THE CONTRACTOR SHALL FURNISH, UPON REQUEST, SATISFACTORY EVIDENCE AS TO TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP.</p> <p>ALL ITEMS AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND OWNER IN WRITING AND SHALL BE EQUAL OR SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRES ENGINEERING REVISIONS, THE TOTAL EXPENSE OF SAID REVISIONS SHALL BE PAID BY THE CONTRACTOR.</p> <p>ANY ITEMS OF LABOR AND MATERIALS REQUIRED BUT NOT SHOWN AS A SEPARATE PAY ITEM IN THE PROPOSAL SHALL BE FURNISHED AND INSTALLED AS INCIDENTAL TO THE CONTRACT, EXCEPT AS NOTED IN THE PLANS AND SPECIFICATIONS.</p> <p><b>TESTING</b></p> <p>THE CONTRACTOR SHALL INCLUDE THE COST OF ALL REQUIRED TESTS IN THE UNIT PRICE BID FOR THE PERTINENT ITEM AND NO SEPARATE COMPENSATION IS TO BE MADE FOR SAID TESTING.</p> <p><b>VILLAGE OWNED TRAFFIC SIGNS, POSTS, SIGNALS, AND POLES</b></p> <p>TRAFFIC SIGNS, POSTS, SIGNAL EQUIPMENT AND POLES THAT ARE NOT INTENDED TO BE REUSED SHALL BE CAREFULLY REMOVED, CLEANED AND DELIVERED TO THE VILLAGE MAINTENANCE GARAGE FOR INSPECTION AND STORAGE. IF ANY OF THOSE ITEMS GET DAMAGED BY THE CONTRACTOR THEY SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE VILLAGE.</p> <p><b>RESPONSIBILITY</b></p> <p>IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THEIR WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FEATURE, (I.E. EXISTING INLETS, CONDUITS, ETC.) WHICH IS NOT MARKED FOR REPLACEMENT OR REMOVAL. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE OPERATIONS OF THE CONTRACTOR, THEY SHALL REPLACE THE DAMAGED PORTION AT THEIR EXPENSE.</p> <p>THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION WITHIN THE WORK LIMITS.</p> <p>IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.</p> <p><b>STORM WATER POLLUTION, EROSION CONTROL AND DUST CONTROL</b></p> <p>THE CONTRACTOR SHALL TAKE EXTREME CARE AND UTILIZE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING THE PROJECT AND TO PREVENT UNNECESSARY EROSION AND SILTATION AT ALL POINTS OF THE PROJECT. TEMPORARY SEEDING AND MULCHING, STRAW BALES, SLOPE DRAINS, SILT FENCE, INLET PROTECTION, ETC. SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE OWNER/ENGINEER. THE COST OF WHICH SHALL BE INCIDENTAL TO THE OVERALL CONTRACT PRICE.</p> <p>DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT, WATER, LABOR AND MATERIAL, ETC. REQUIRED TO PERFORM DUST CONTROL SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.</p>	<p><b>COORDINATION WITH OTHER CONTRACTORS</b></p> <p>OTHER CONTRACTORS AND/OR UTILITY COMPANIES MAY BE WORKING IN THIS AREA CONCURRENT WITH THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ALL OTHER CONTRACTORS IN THE AREA.</p> <p><b>DOWN TIME DUE TO FIELD CONFLICTS</b></p> <p>DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING RESPONSE ON, OR RESOLUTION TO AN ISSUE FROM THE OWNER AND/OR ENGINEER. THE CONTRACTOR, IN THIS CASE SHALL MOVE THE CREWS AND EQUIPMENT TO WORK IN A DIFFERENT AREA OR ON A DIFFERENT TASK. COST OF MOBILIZING AND DEMOBILIZING OF THE CONTRACTORS WORK CREWS AND EQUIPMENT INCLUDING "DOWNTIME" SHALL BE INCIDENTAL TO THE OVERALL BID PRICE FOR THIS PROJECT.</p> <p><b>UTILITY NOTES</b></p> <p>1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE UTILITY INFORMATION PROVIDED ON THE PLANS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.</p> <p>2. PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.</p> <p>3. TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.</p> <p>4. FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.</p> <p>DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE. THE CONTRACTOR SHALL NOTIFY NEARBY OCCUPANTS OF ANY EMERGENCY SITUATION THAT MAY ARISE.</p> <p>THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.</p> <p><b>ELECTRIC</b> DUKE ENERGY 139 E. FOURTH STREET ROOM 467, ANNEX CINCINNATI, OH 45201 513-287-2689</p> <p><b>GAS</b> DUKE ENERGY 139 E. FOURTH STREET ROOM 460-A CINCINNATI, OH 45201 513-287-2762</p> <p><b>TELEPHONE</b> ALTA FIBER 201 E. FOURTH STREET BLDG. 121-900 CINCINNATI, OH 45201 513-565-7043</p> <p><b>SEWER</b> METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI 1600 GEST STREET CINCINNATI, OHIO 45204 513-557-7167</p> <p><b>CABLE TV</b> CHARTER 10920 KENWOOD ROAD CINCINNATI, OHIO 45242 513-386-5918</p> <p><b>WATER</b> GREATER CINCINNATI WATER WORKS 4747 SPRING GROVE AVENUE CINCINNATI, OHIO 45232 513-591-5007</p> <p><b>STORM</b> VILLAGE OF WOODLAWN 10141 WOODLAWN AVE CINCINNATI, OHIO 45215 513-771-6130</p> <p><b>CONNECTIONS</b></p> <p>EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, AS DIRECTED BY THE OWNER/ENGINEER.</p> <p>THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE FIELD INSPECTOR DURING CONSTRUCTION.</p>	<p>CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT. FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.</p> <p><b>REVIEW OF DRAINAGE FACILITIES</b></p> <p>BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE VILLAGE OF WOODLAWN, THE CONTRACTOR WITH THE OWNER AND ENGINEER OR FIELD INSPECTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CONTRACTOR.</p> <p>ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE VILLAGE.</p> <p>ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE VILLAGE.</p> <p>PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.</p> <p><b>CONTINGENCY QUANTITIES</b></p> <p>THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE OWNER/ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE FIELD INSPECTOR'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.</p> <p><b>MAINTENANCE OF TRAFFIC NOTES</b></p> <p><b>ITEM 614, MAINTAINING TRAFFIC</b></p> <p>THE MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", CURRENT EDITION, THE PROPOSAL, THE SPECIFICATIONS, AND THESE PLANS. ANY VARIANCE FROM THESE REQUIREMENTS SHALL BE APPROVED IN ADVANCE BY THE ENGINEER IN WRITING.</p> <p>THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.</p> <p>SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS, LIGHTS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY SIGNS, AND PROVIDE TEMPORARY STRIPING. ALL WORK ZONES SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM CONTROL DEVICES. THE CONTRACTOR SHALL ALSO PROVIDE ALL PLATING, TEMPORARY PAVEMENT, TEMPORARY PAVEMENT MARKINGS, AND TRAFFIC CONTROL MEASURES NECESSARY TO MAINTAIN TRAFFIC. THE COST OF ALL TEMPORARY TRAFFIC CONTROL ITEMS NECESSARY TO SAFELY MAINTAIN TRAFFIC SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC.</p> <p>A. BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND ENGINEER THE NAMES AND TELEPHONE NUMBERS OF PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE VILLAGE OF WOODLAWN AND ALL INTERESTED POLICE AGENCIES. THESE PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.</p> <p>B. TRAFFIC SHALL BE MAINTAINED AT ALL INTERSECTIONS AND DRIVES AT ALL TIMES, AND SHALL BE CONTROLLED WITH FLAGGERS AND TRAFFIC DEVICES AS REQUIRED AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER AND ENGINEER.</p> <p>C. DRIVE CLOSURES THAT LIMIT TRAFFIC TO 1 WAY IS ALLOWABLE, AS NOTED BELOW FOR SPECIFIC TIMES, AND SHALL BE FLAGGED IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.</p> <p>D. LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE OWNER AND ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE OWNER AND ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.</p> <p>E. IN ADDITION LANE CLOSURES ARE NOT ALLOWED OVERNIGHT. ANY COST FOR ITEMS NOT SPECIFICALLY NOTED UNDER THE MAINTENANCE OF TRAFFIC NOTE REQUIRED TO REOPEN LANES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614 - MAINTENANCE OF TRAFFIC.</p> <p>THE CONTRACTOR SHALL OBEY ALL LOCAL LAWS AND ORDINANCES INCLUDING ANY NOISE RESTRICTIONS.</p> <p>THE CONTRACTOR SHALL MAINTAIN TRAFFIC TO ALL ROADWAYS INTERSECTING THE CONSTRUCTION AREAS.</p> <p>MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGH THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL ACCEPTANCE OF THE PROJECT.</p> <p><b>THE CONTRACTOR SHALL NOTIFY AFFECTED PROPERTY OWNERS 48 HOURS IN ADVANCE BEFORE COMMENCING WORK.</b></p> <p>TEMPORARY BLOCKING OF THE DRIVEWAY TO ANY PROPERTY DURING CONSTRUCTION IS ALLOWABLE (MAX. 96 HOURS) HOWEVER, ACCESS TO PROPERTIES FOR DELIVERIES, SERVICE, EMERGENCY VEHICLES, ETC., SHALL BE MAINTAINED AT ALL TIMES.</p>	<p>ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE PAVEMENT REPLACEMENT</p> <p>ITEM 451 - 8" REINFORCED CONCRETE (SEE DETAILS)</p> <p>ITEM 451 - MILL AND OVERLAY 2" ASPHALT</p> <p>ITEM 451 - FULL DEPTH ASPHALT INFILL</p> <p>ITEM 608 - 4" CONCRETE WALK</p> <p>ITEM 609 - TYPE 6 CURB REMOVE AND REPLACE, DEPRESS AT DRIVEWAYS</p> <p><b>PAVEMENT ITEM NOTES</b></p> <p><b>GENERAL</b></p> <p>EXCAVATION AND EMBANKMENT TO ESTABLISH SUBGRADE, SUBGRADE STABILIZATION AND PROOF ROLLING OF SUBGRADE OUTSIDE OF THE ASPHALT PLANNING AND OVERLAY SHALL ALL BE INCIDENTAL TO THE BID ITEMS. SUBSEQUENT HAUL OFF OR IMPORTING OF MATERIAL SHALL ALSO BE INCIDENTAL TO THE BID ITEMS.</p> <p><b>ITEM 204 - SUBGRADE STABILIZATION WITH GEOGRID</b></p> <p>THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE, GEOGRID MATERIAL AND ASPHALT PER THE DETAILS INDICATED IN THESE PLANS. DURING THE PROOF-ROLL TEST OF THE SUBGRADE THE ENGINEER SHALL MARK AREAS IN THE FIELD WHERE OBSERVED DEFLECTIONS EXCEED 0.5" OR CAUSE SUBSTANTIAL RUTTING OF THE SUBGRADE. THESE MARKINGS WILL BE FIELD MEASURED AND AGREED UPON PRIOR TO PERFORMING THE WORK. THE UNIT PRICE SHALL INCLUDE EXCAVATION AND REMOVAL OF POOR SOILS, BACKFILLING WITH 304 STONE AND COMPACTION OF SUCH ITEMS AND ITEM 301 PER THE DETAIL.</p> <p><b>ITEM 204 - SUBGRADE STABILIZATION</b></p> <p>THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE MATERIAL AND ASPHALT. DURING THE PROOF-ROLL TEST OF THE SUBGRADE THE ENGINEER SHALL MARK AREAS IN THE FIELD WHERE OBSERVED DEFLECTIONS EXCEED 0.5" OR CAUSE RUTTING OF THE SUBGRADE. THESE MARKINGS WILL BE FIELD MEASURED AND AGREED UPON PRIOR TO PERFORMING THE WORK. THE UNIT PRICE SHALL INCLUDE EXCAVATION AND REMOVAL OF POOR SOILS, BACKFILLING WITH 304 STONE AND COMPACTION OF SUCH ITEMS AND 8" OF ITEM 301 APPLIED IN 2 EQUAL LIFTS OF 4".</p> <p><b>ITEM 451 - TYPICAL DRIVE APRON</b></p> <p>THIS ITEMS SHALL CONSIST OF INSTALLING A DRIVEWAY APRON PER THE PROVIDED DETAILS. THE CONTRACTOR SHALL EXCAVATE THE AREA TO SUBGRADE THEN POUR A CONTINUOUS CURB OR CURB AND GUTTER, DEPENDING ON ADJACENT EXISTING/PROPOSED CURB, AND HAND REMOVE THE CURB PORTION OF IT TO PROVIDE THE DEPRESSED CURB AND GUTTER TYPICAL SECTION. ONCE THE TRANSITION PIECE HAS SUFFICIENTLY HARDENED THE REMAINDER OF THE CONCRETE BETWEEN THE DRIVE ASPHALT AND THE TRANSITION PIECE SHALL BE CONSTRUCTED. WHERE INDICATED FULL DEPTH PAVEMENT SHALL BE PROVIDED BETWEEN THE DRIVEWAY AND THE ASPHALT PAVEMENT. THE UNIT PRICE SHALL INCLUDE EXCAVATION, REMOVAL OF ASPHALT, COMPACTION, FORM WORK AND CONSTRUCTION JOINTING PER THE DETAIL.</p> <p><b>ITEM 638 - FIRE HYDRANT</b></p> <p>IN ADDITION TO ODOT SPEC 638.14 FIRE HYDRANTS ARE TO BE INSTALLED 2' OFF THE BACK OF WALK.</p> <p>PAYMENT FOR THIS ITEM WILL INCLUDE NECESSARY CONNECTIONS AND ANCHOR PIPE FROM EXISTING PIPE TO NEW HYDRANT.</p> <p><b>ITEM 632 - SIGNALIZATION, MISC.: MODIFY EXISTING SIGNAL INSTALLATION</b></p> <p>IN ADDITION TO THE REQUIREMENTS OF ODOT CMS ITEM 632, THIS WORK SHALL INCLUDE MODIFYING THE EXISTING TRAFFIC SIGNAL INSTALLATION TO INCLUDE THE PROPOSED PEDESTRIAN SIGNAL OPERATION.</p> <p>REFER TO THE SR-4 KROGER INTERSECTION SIGNAL MODIFICATION SHEET FOR SIGNAL MODIFICATION PLANS, NOTES, AND DETAILS.</p> <p>PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY FOR MODIFYING TRAFFIC SIGNAL OPERATION, MADE FULLY OPERATIONAL, TESTED AND ACCEPTED BY THE VILLAGE OF WOODLAWN. THE VILLAGE WILL NOT PAY ANY ADDITIONAL MONEYS FOR COMPLETION OF THIS WORK.</p> <p><b>ITEM SPECIAL - BUS SHELTER 4' X 8'</b></p> <p>BUS SHELTER BASIS OF DESIGN IS THE BRASCO INTERNATIONAL SLIMLINE ARCH OR APPROVED EQUAL. THE BID PRICE INCLUDES ALL MATERIALS NEEDED TO INSTALL A FULLY FUNCTIONING BUS SHELTER, BENCH, AND SOLAR LIGHTING AS NOTED BELOW. SHELTER DIMENSIONS ARE 5' WIDTH, 10' LENGTH, WITH 3"x3" COLUMNS. THE COLUMN FINISH IS CLEAR ANODIZED AND THE WALL AND ARCHED ROOF GLAZING IS CLEAR ACRYLIC. WALL CONFIGURATION IS PARTIAL SIDEWALLS WITH OPEN FRONT. EACH SHELTER INCLUDES A 6' LENGTH ECLIPSE BENCH IN CLEAR ANODIZED FINISH TO MATCH SHELTER POSTS AND GREY HIDE SLATS. THE CONTRACTOR SHALL PROVIDE A SUBMITTAL OF THE COMPLETE BUS SHELTER, BENCH, AND SOLAR LIGHTING TO THE CLIENT AND ENGINEER BEFORE ORDERING AND INSTALLATION.</p>	<p>EXISTING GAS LINE EXISTING GAS SERVICE EXISTING ELECTRIC (UNDERGROUND / OVERHEAD) EXISTING CABLE (UNDERGROUND / OVERHEAD) EXISTING TELEPHONE (UNDERGROUND / OVERHEAD) EXISTING WATER MAIN EXISTING WATER SERVICE EXISTING STORM SEWER EXISTING ROOF DRAIN EXISTING SANITARY SEWER EXISTING SANITARY FORCE MAIN EXISTING FIBER OPTICS EXISTING FENCE EXISTING CONTOURS (MAJOR) EXISTING CONTOURS (MINOR) EXISTING RIGHT OF WAY EXISTING PROPERTY LINE EXISTING EASEMENT EXISTING GUARDRAIL EXISTING TREE LINE</p> <p>PROPOSED GAS LINE PROPOSED GAS SERVICE EXISTING ELECTRIC (UNDERGROUND / OVERHEAD) PROPOSED CABLE (UNDERGROUND / OVERHEAD) PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD) PROPOSED WATER MAIN PROPOSED WATER SERVICE PROPOSED STORM SEWER PROPOSED UNDERDRAIN PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO PROPOSED SANITARY SEWER PROPOSED SANITARY FORCE MAIN PROPOSED FIBER OPTICS PROPOSED FENCE PROPOSED CONTOURS (MAJOR) PROPOSED CONTOURS (MINOR) PROPOSED RIGHT OF WAY PROPOSED PROPERTY LINE PROPOSED EASEMENT PROPOSED GUARDRAIL PROPOSED TREE LINE / CLEARING LIMITS PROPOSED DISTURBED LIMITS</p> <p>PROPOSED FLAGPOLE PROPOSED MAILBOX PROPOSED SIGN PROPOSED CABLE PEDESTAL PROPOSED ELECTRIC PEDESTAL PROPOSED PULL BOX PROPOSED GROUND LIGHT PROPOSED LIGHT POLE PROPOSED ELECTRIC METER PROPOSED ELECTRIC MANHOLE PROPOSED GAS METER PROPOSED GAS VALVE PROPOSED GAS BOX PROPOSED UTILITY POLE PROPOSED GUY WIRE / ANCHOR PROPOSED SANITARY MANHOLE PROPOSED SANITARY CLEANOUT PROPOSED STORM MANHOLE PROPOSED SINGLE / DOUBLE CURB INLET PROPOSED CATCH BASIN PROPOSED STORM CLEANOUT PROPOSED TELEPHONE MANHOLE PROPOSED TELEPHONE PEDESTAL PROPOSED FIRE HYDRANT PROPOSED WATER METER PROPOSED WATER VALVE REMOVE EXISTING BUSH / TREE PROPOSED SLOPE DIRECTION</p> <p>EXISTING SURVEY BENCHMARK TEST BORING LOCATION</p>	<p>DATE</p> <p>REVISION</p> <p>NO</p> <p>ISSUED FOR:</p> <p>ISSUE DATE:</p> <p>SCALE:</p> <p>DESIGNED BY:</p> <p>DRAWN BY:</p> <p>CHECKED BY:</p> <p>AS SHOWN</p> <p>MLAC</p> <p>AJAC</p> <p>MLAC</p>
<p><b>GRUENINGER &amp; SPRINGFIELD PIKE</b> <b>VILLAGE OF WOODLAWN</b> <b>HAMILTON COUNTY, OHIO</b></p> <p><b>GENERAL NOTES</b></p> <p>PROJECT NO. <b>220840</b></p> <p>DISCIPLINE <b>CIVIL</b></p> <p>SHEET NAME <b>G2</b></p> <p>SHEET <b>02</b> OF <b>20</b></p>					





KEY NOTES:

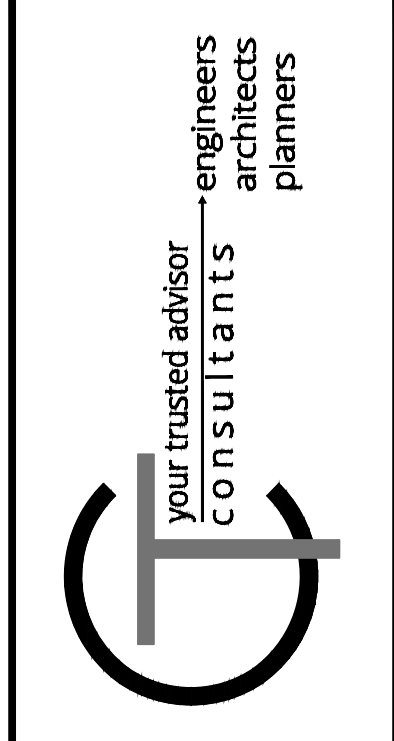
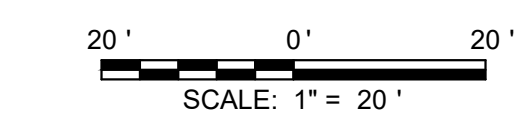
- 1 ITEM 608 - CURB RAMP WITH DETECTABLE WARNING
- 2 ITEM 608 - CURB RAMP WITHOUT DETECTABLE WARNING
- 3 ITEM 608 - MATCH EXISTING SIDEWALK
- 4 ITEM 609 - CURB TYPE 6
- 5 ITEM 611 - REMOVE AND REPLACE CATCH BASIN TOP
- 7 ITEM 611 - ADJUST MANHOLE COVER TO GRADE
- 8 ITEM 630 - RELOCATE EXISTING SIGN
- 9 ITEM 630 - METRO STOP SIGN
- 10 ITEM 630 - SOLAR POWERED, LINKED, PUSH BUTTON ACTIVATED FLASHING CROSSWALK SIGN
- 11 ITEM 632 - SIGNAL MODIFICATIONS - SEE SHEET 19
- 12 ITEM 632 - GUY WIRE WITH EXPANSION BRACKET (COORDINATE WITH UTILITIES)
- 13 ITEM 638 - FIRE HYDRANT
- 14 ITEM 638 - ADJUST VALVE TO GRADE
- 15 ITEM 644 - 12" CROSS WALK LINE
- 16 ITEM 644 - 24" STOP BAR
- 17 ITEM SPL - 4' x 8' BUS SHELTER
- 18 ITEM 630 - STOP SIGN WITH NO LEFT TURN SIGN
- 19 ITEM 202 - SAWCUT 6" FROM FACE OF CURB
- 21 ITEM 630 - CROSS WALK SIGN (R1-6)
- 22 ITEM 632 - REMOVE EX PUSH BUTTON FOR RE-USE
- 23 ITEM 632 - ADD PEDESTRIAN HEAD AND PUSH BUTTON
- 24 ITEM 632 - ADD PEDESTRIAN HEAD AND PUSH BUTTON TO EX STRAIN POLE
- 25 ITEM 725 - 4" CONDUIT
- 26 ITEM 202 - REMOVE EXISTING PORTIONS OF CURBED ISLAND
- 27 ITEM 202 - REMOVE EXISTING VEGETATION
- 28 ITEM 202 - REMOVE EXISTING DRIVE APRON
- 29 ITEM 202 - REMOVE EXISTING WALK
- 30 ITEM 202 - REMOVE EXISTING STRUCTURE
- 31 ITEM 609 - CURB TYPE 2
- 32 ITEM 609 - REMOVE AND REPLACE EX CURB 5' BEYOND PR WALK TO CREATE TRANSITION FROM EX CURB TO FLUSH WITH PR WALK

HATCH LEGEND:

- ITEM 608 - 4" CONCRETE WALK
- ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE PAVEMENT REPLACEMENT
- ITEM 451 - 8" REINFORCED CONCRETE (SEE DETAILS)
- ITEM 451 - MILL AND OVERLAY 2" ASPHALT
- ITEM 451 - 9" NON-REINFORCED CONCRETE APRON

NOTE:

CONCRETE SIDEWALK REMOVAL AND REPLACEMENT MUST BE COMPLETED BETWEEN STA. 30+30 TO STA. 33+00 ON GRUENINGER WAY & STA. 58+00 TO STA. 59+15 SPRINGFIELD PIKE



ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:

NO	REVISION	DATE

**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO

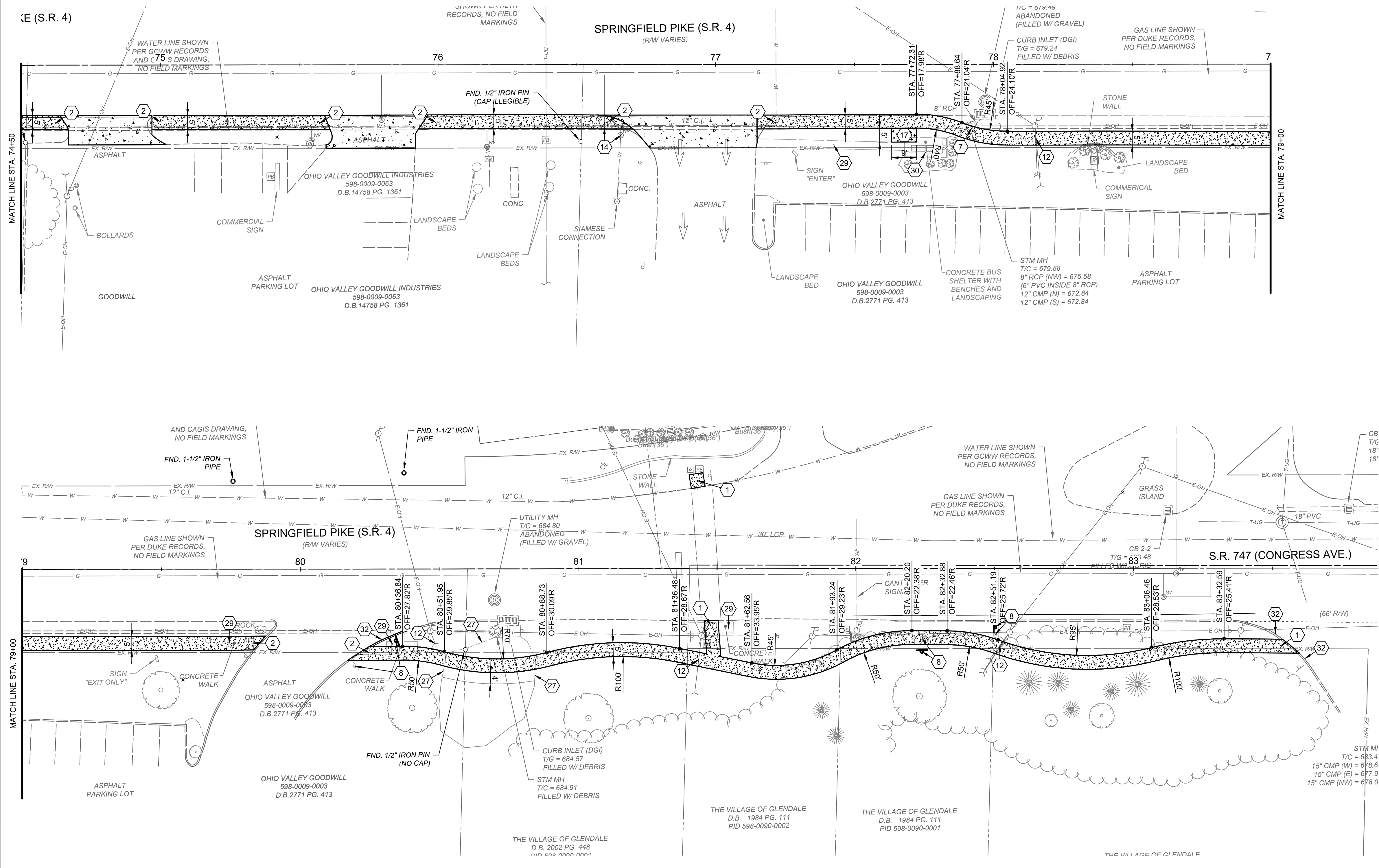
**LAYOUT PLAN GRUENINGER WAY**

PROJECT NO.	<b>220840</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PLN1</b>
SHEET	<b>03</b>
OF	<b>20</b>







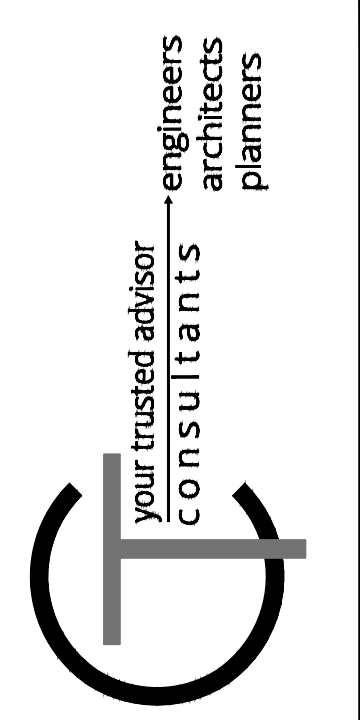
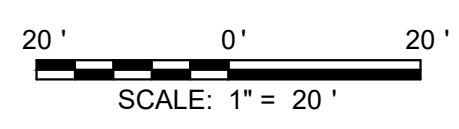


KEY NOTES:

- 1 ITEM 608 - CURB RAMP WITH DETECTABLE WARNING
- 2 ITEM 608 - CURB RAMP WITHOUT DETECTABLE WARNING
- 3 ITEM 608 - MATCH EXISTING SIDEWALK
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- 22 ITEM 632 - REMOVE EX PUSH BUTTON FOR RE-USE
- 23 ITEM 632 - ADD PEDESTRIAN HEAD AND PUSH BUTTON
- 24 ITEM 632 - ADD PEDESTRIAN HEAD AND PUSH BUTTON TO EX STRAIN POLE
- 25 ITEM 725 - 4" CONDUIT
- 26 ITEM 202 - REMOVE EXISTING PORTIONS OF CURBED ISLAND
- 27 ITEM 202 - REMOVE EXISTING VEGETATION
- 28 ITEM 202 - REMOVE EXISTING DRIVE APRON
- 29 ITEM 202 - REMOVE EXISTING WALK
- 30 ITEM 202 - REMOVE EXISTING STRUCTURE
- 31 ITEM 609 - CURB TYPE 2
- 32 ITEM 609 - REMOVE AND REPLACE EX CURB 5' BEYOND PR WALK TO CREATE TRANSITION FROM EX CURB TO FLUSH WITH PR WALK

HATCH LEGEND:

- ITEM 608 - 4" CONCRETE WALK
- ITEM 252 - FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE PAVEMENT REPLACEMENT
- ITEM 451 - 8" REINFORCED CONCRETE (SEE DETAILS)
- ITEM 451 - MILL AND OVERLAY 2" ASPHALT
- ITEM 451 - 9" NON-REINFORCED CONCRETE APRON



ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:

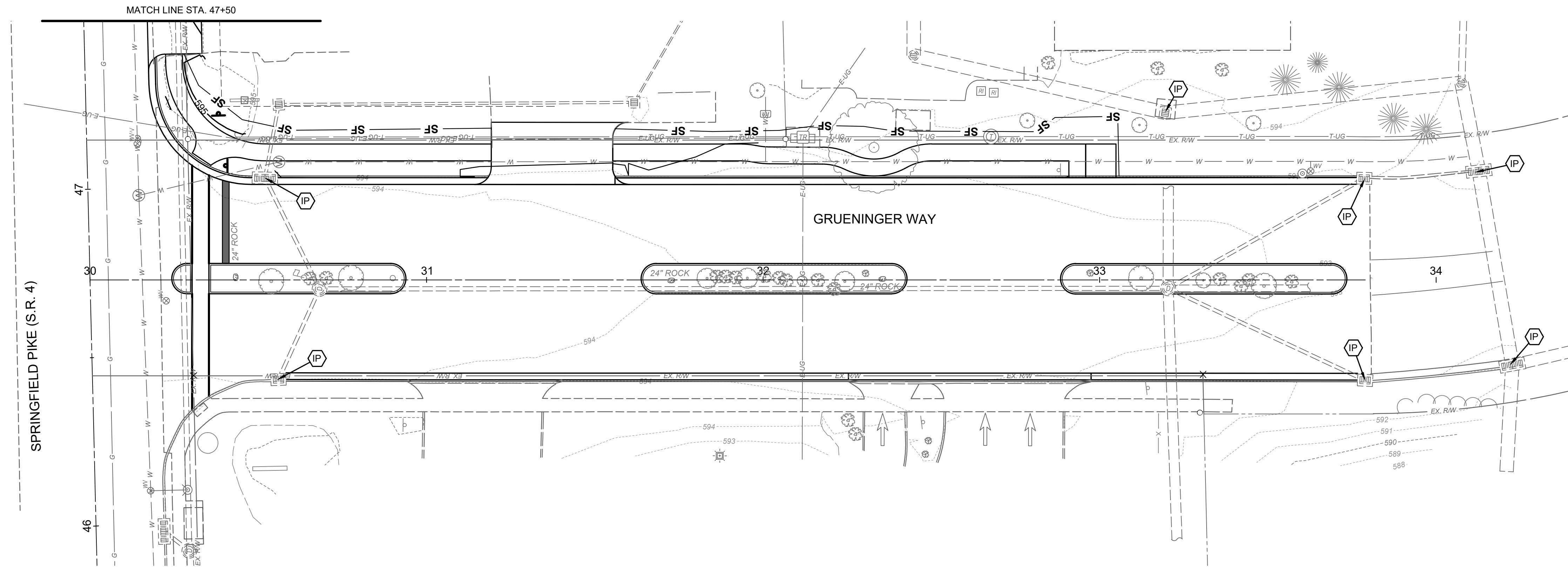
NO.	REVISION	DATE

**GRUENINGER & SPRINGFIELD PIKE**  
**VILLAGE OF WOODLAWN**  
**HAMILTON COUNTY, OHIO**

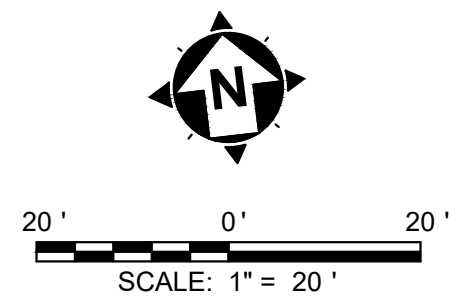
**LAYOUT PLAN STA. 74+50 - 82+50**

PROJECT NO.	220840
DISCIPLINE	CIVIL
SHEET NAME	PLN5
SHEET	07
OF	20

H:\2022\220840\DWG\HEETS\220840\_C\_LAYOUT.DWG - PLN 5 - 11/01/2024 2:55:24 PM - ANDREW JACKSON



INTEL PROTECTION  
 SILT FENCE



**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO

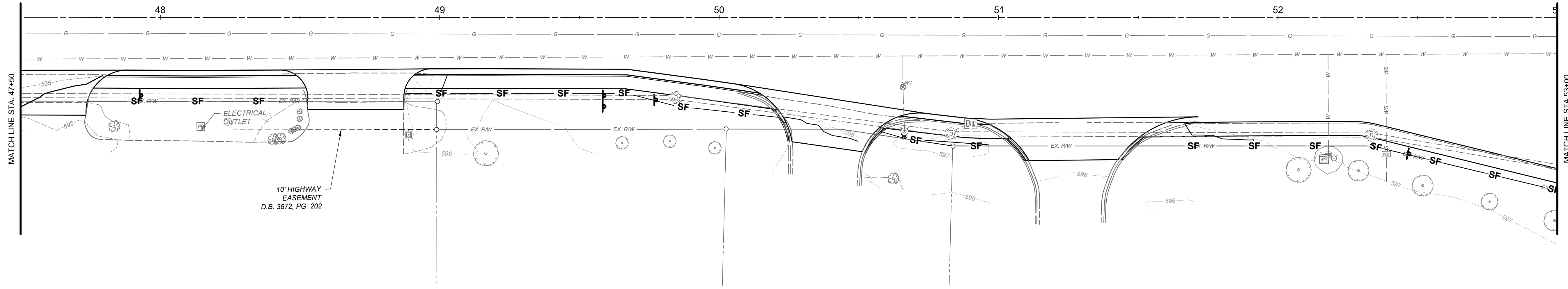
**GRUENINGER WAY GRADING  
 AND EROSION CONTROL**

PROJECT NO.	
<b>220840</b>	
DISCIPLINE	
<b>CIVIL</b>	
SHEET NAME	
<b>GRD1</b>	
SHEET	OF
<b>08</b>	<b>20</b>

ISSUED FOR:	NO	REVISION	DATE
ISSUE DATE:			
SCALE:			
DESIGNED BY:			
DRAWN BY:			
CHECKED BY:			

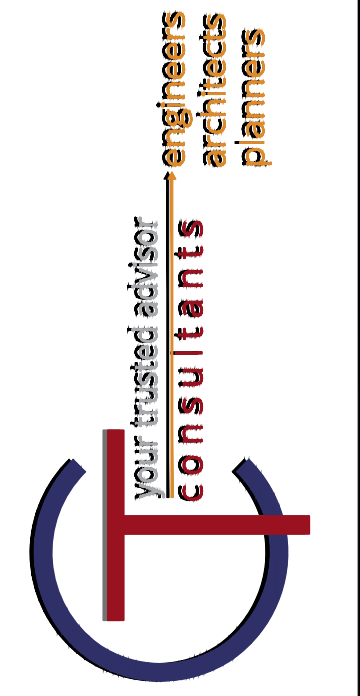
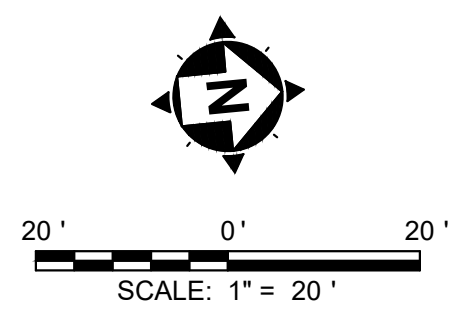
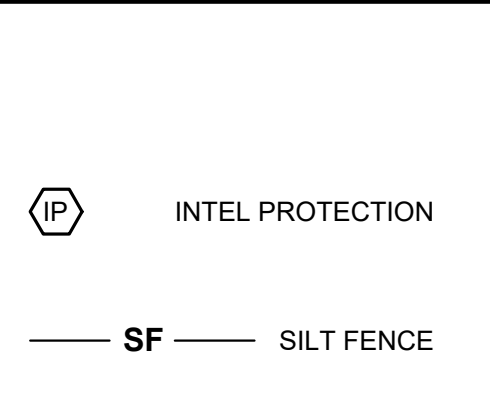
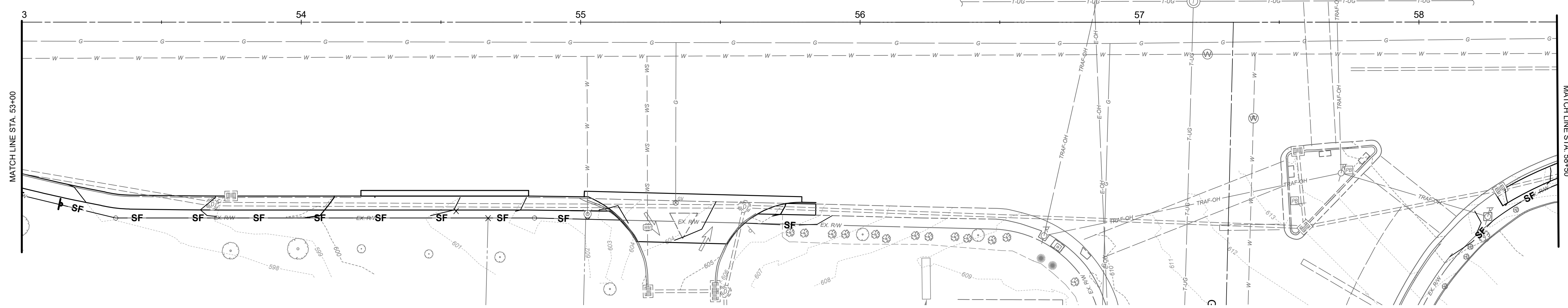


SPRINGFIELD PIKE (S.R. 4)



10' HIGHWAY  
EASEMENT  
D.B. 3872, PG. 202

SPRINGFIELD PIKE (S.R. 4)



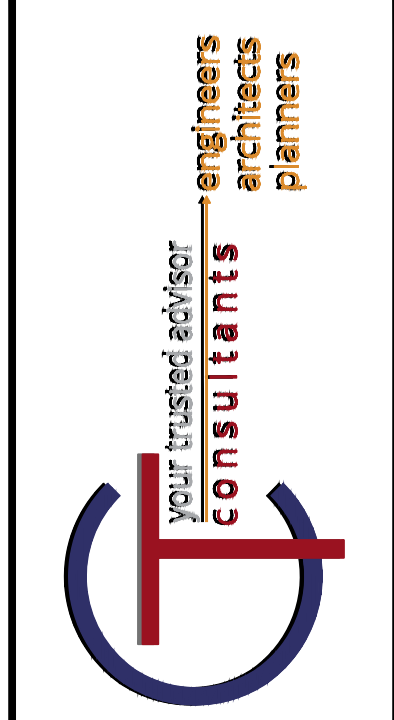
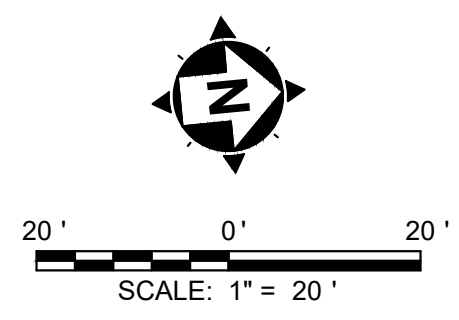
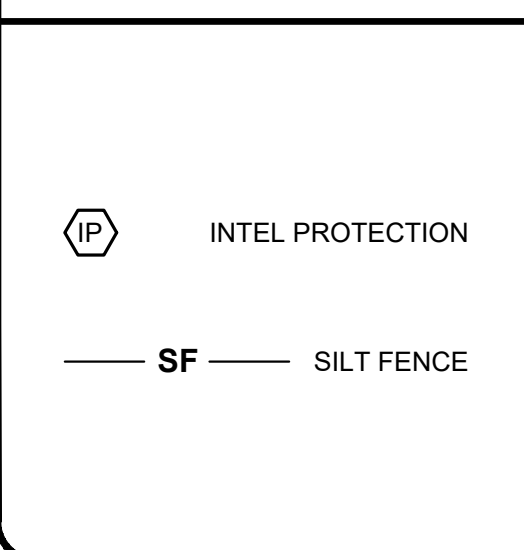
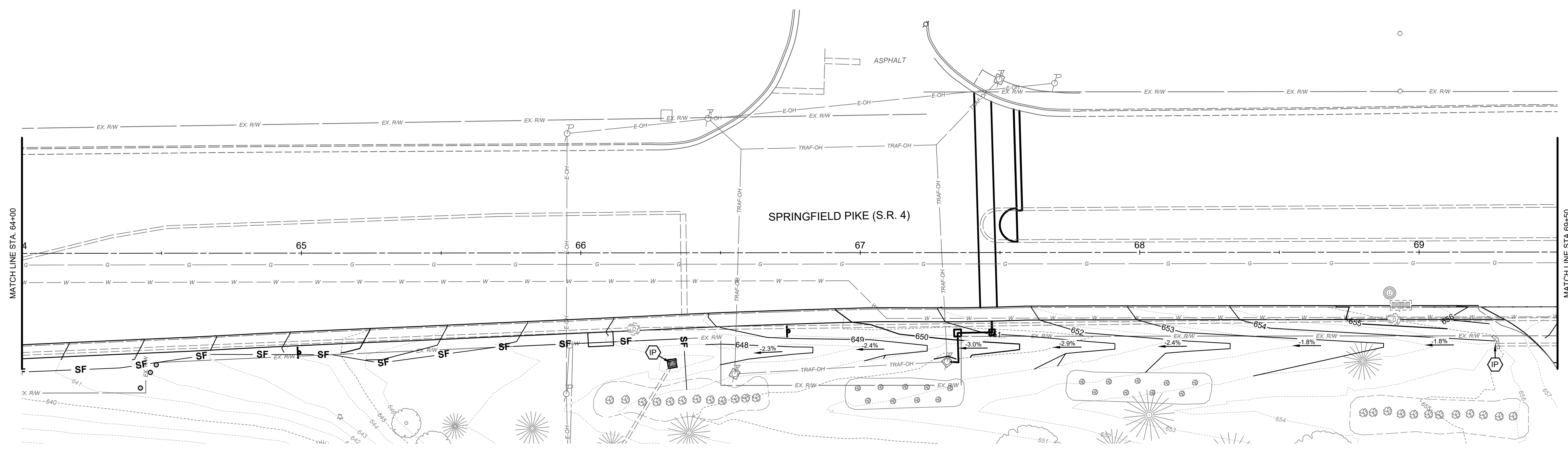
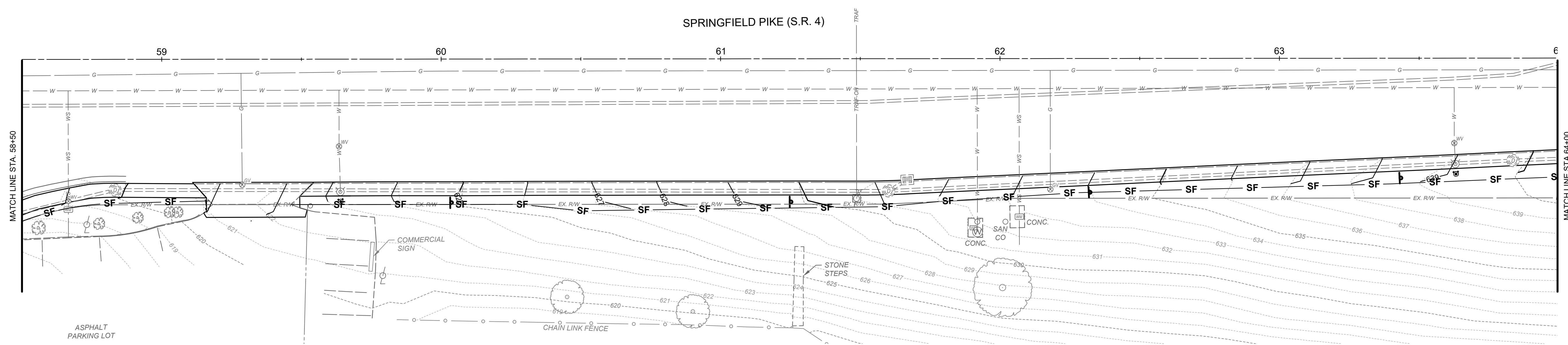
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ISSUE DATE:			
SCALE:			
DESIGNED BY:			
DRAWN BY:			
CHECKED BY:			

**GRUENINGER & SPRINGFIELD PIKE**  
**VILLAGE OF WOODLAWN**  
 HAMILTON COUNTY, OHIO

**GRADING PLAN STA. 47+50 - 58+50**

PROJECT NO.	<b>220840</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>GRD2</b>
SHEET	OF
<b>09</b>	<b>20</b>

SPRINGFIELD PIKE (S.R. 4)



ISSUED FOR:	DATE	REVISION	NO
AS SHOWN			
MLAC			
AJAC			
MLAC			

**GRUENINGER & SPRINGFIELD PIKE**  
**VILLAGE OF WOODLAWN**  
 HAMILTON COUNTY, OHIO

**GRADING PLAN STA. 58+50 - 69+50**

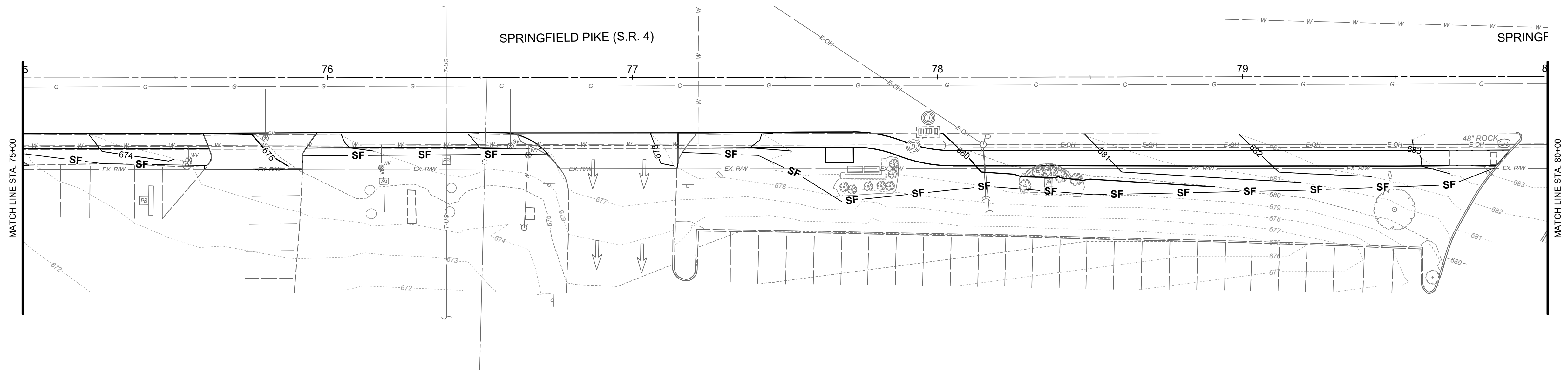
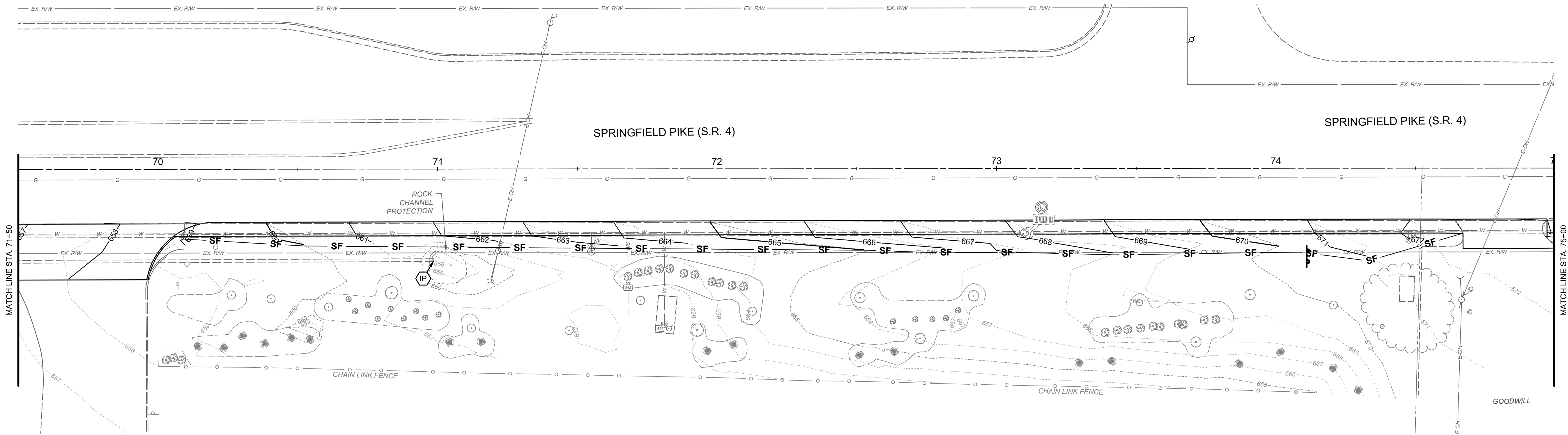
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DISCIPLINE	CIVIL
SHEET NAME	GRD3
SHEET	OF
10	20

NO	REVISION	DATE

**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO

**GRADING PLAN STA. 69+50 - 80+00**

PROJECT NO.	220840
DISCIPLINE	CIVIL
SHEET NAME	GRD4
SHEET	11
OF	20



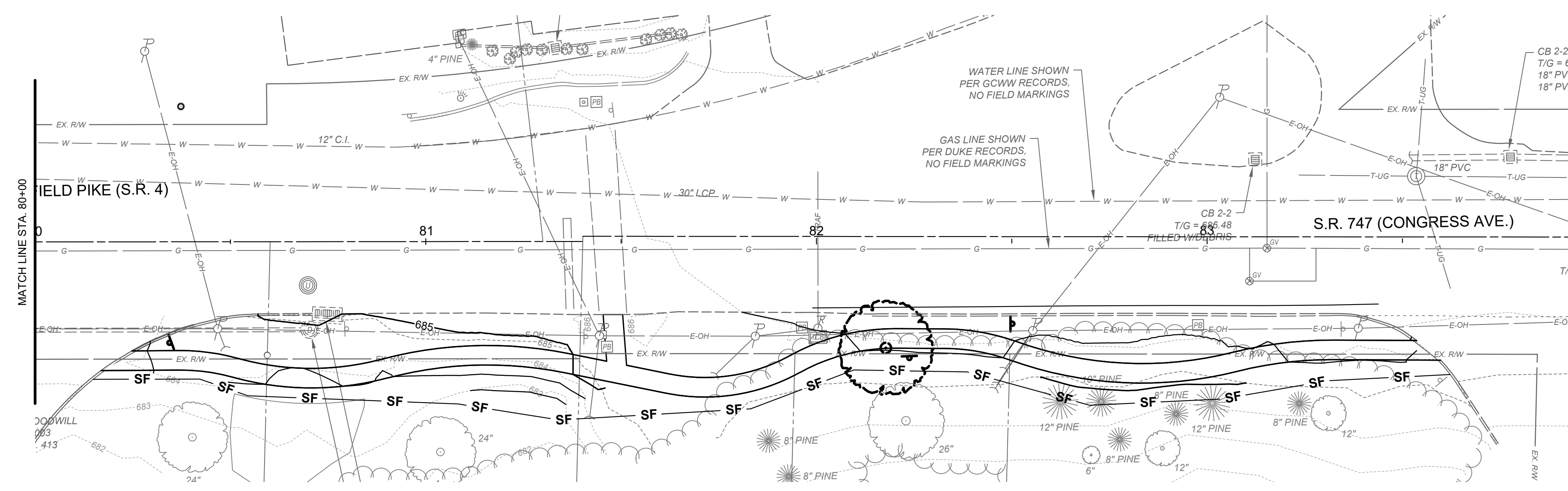
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SF SILT FENCE

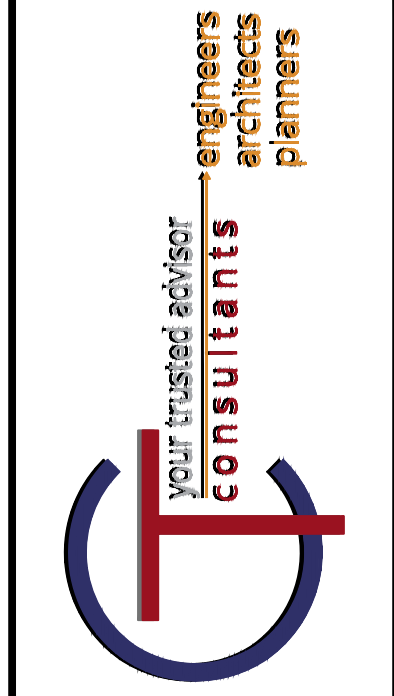
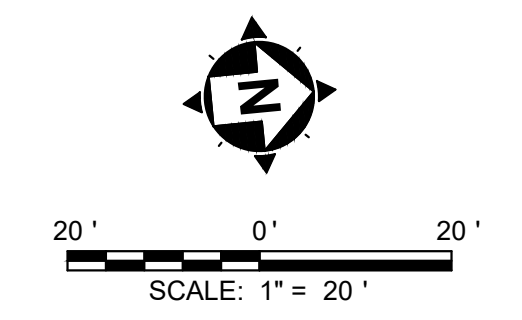


20' 0' 20'

SCALE: 1" = 20'



INTEL PROTECTION  
 SF SILT FENCE



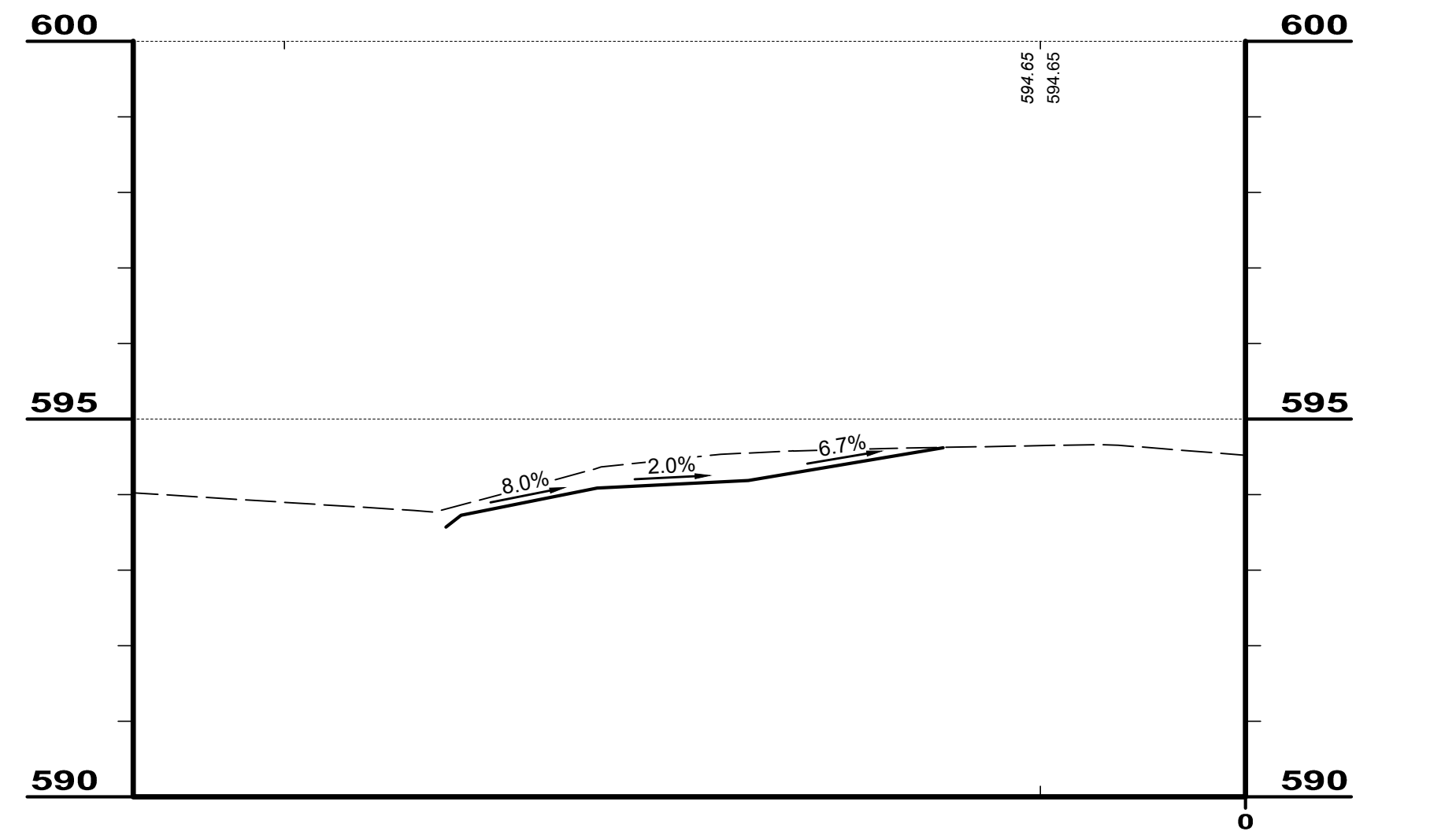
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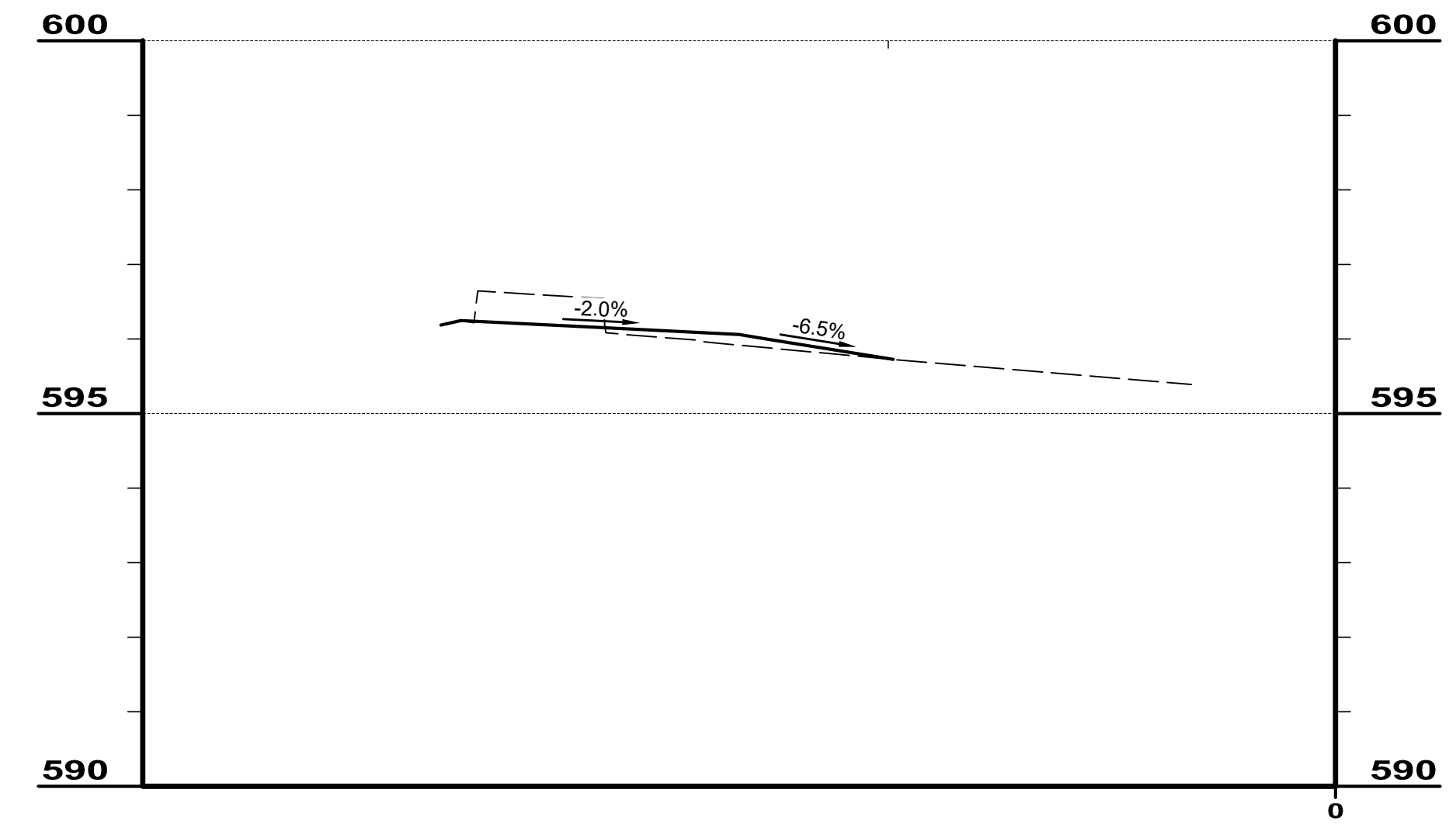
ISSUED FOR:	AS SHOWN
ISSUE DATE:	MLAC
SCALE:	AJAC
DESIGNED BY:	MLAC
DRAWN BY:	
CHECKED BY:	

**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO  
**GRADING PLAN STA. 80+00 - 82+50**

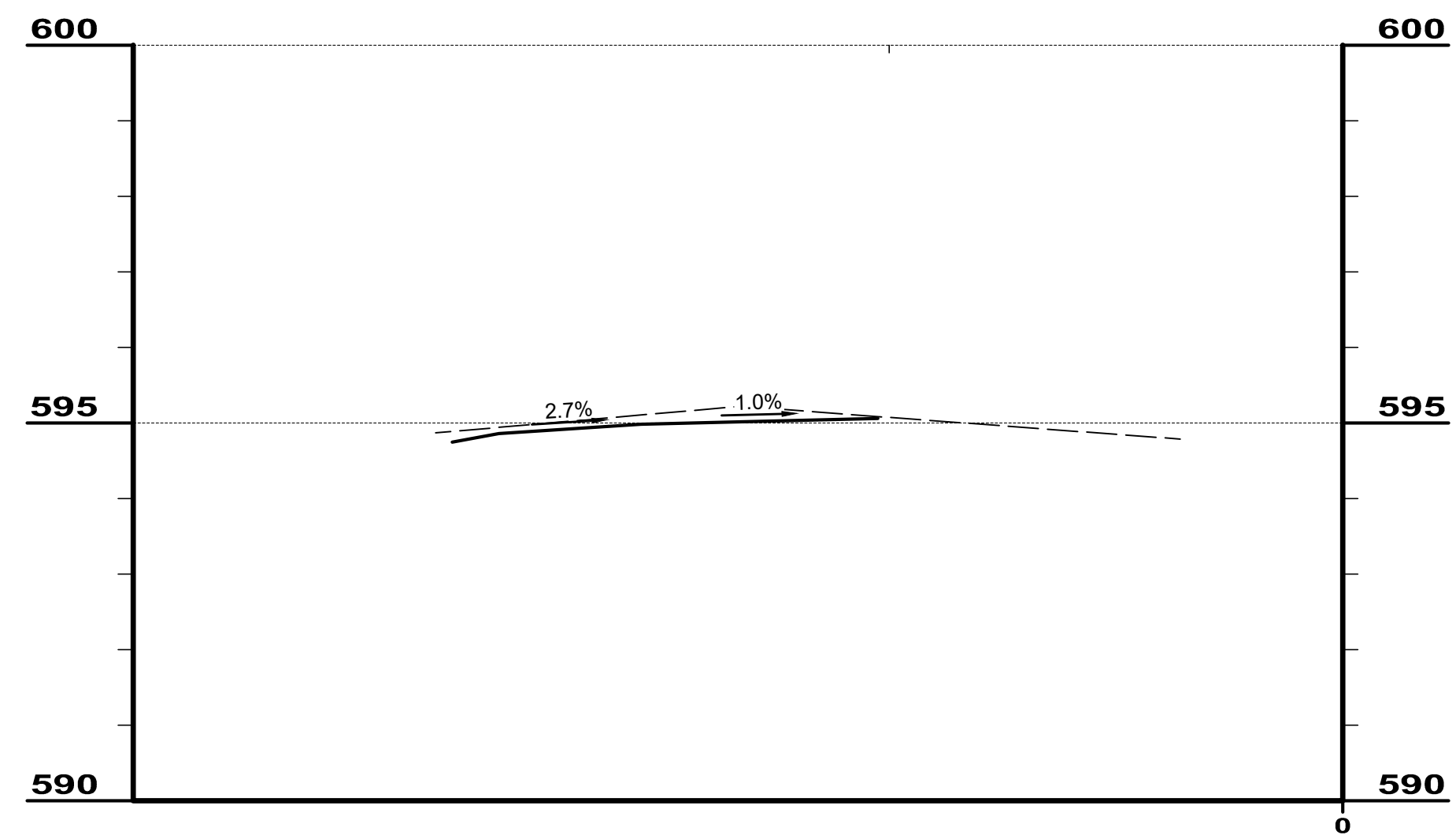
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DISCIPLINE	CIVIL
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SHEET	OF
12	20



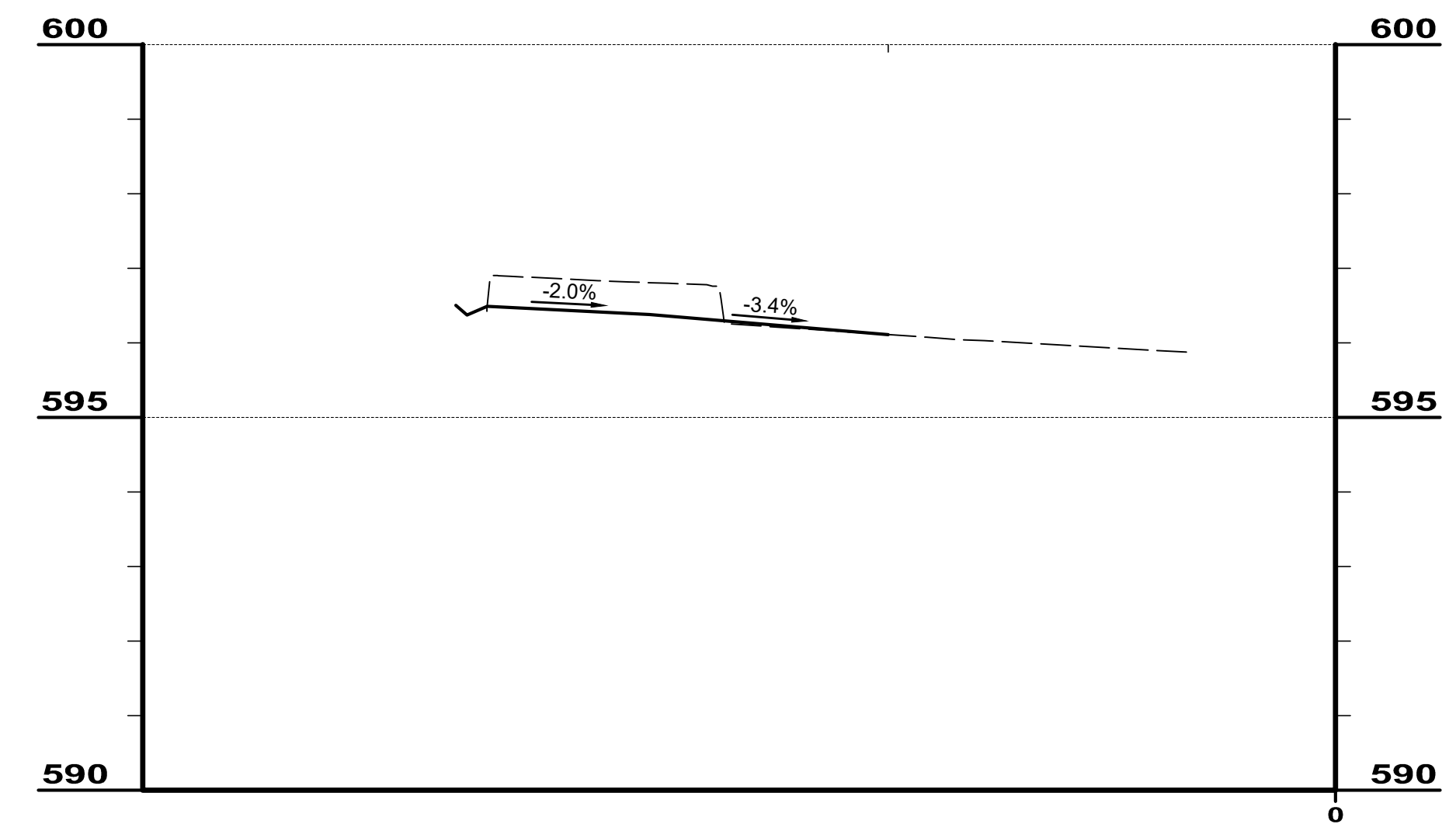
**10270 GRUENINGER DRIVE**



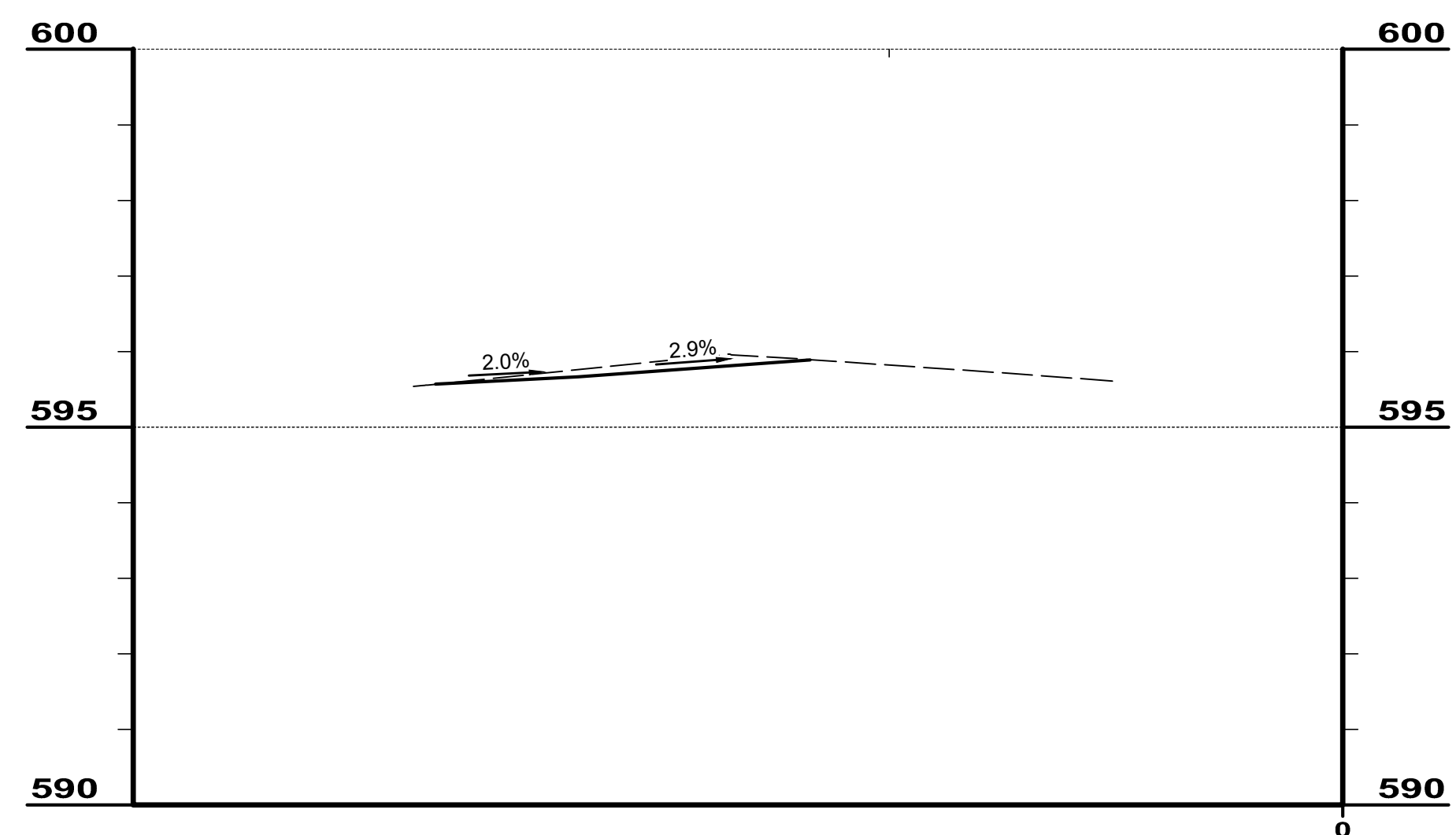
**10296 SPRINGFIELDPIKE DRIVE**



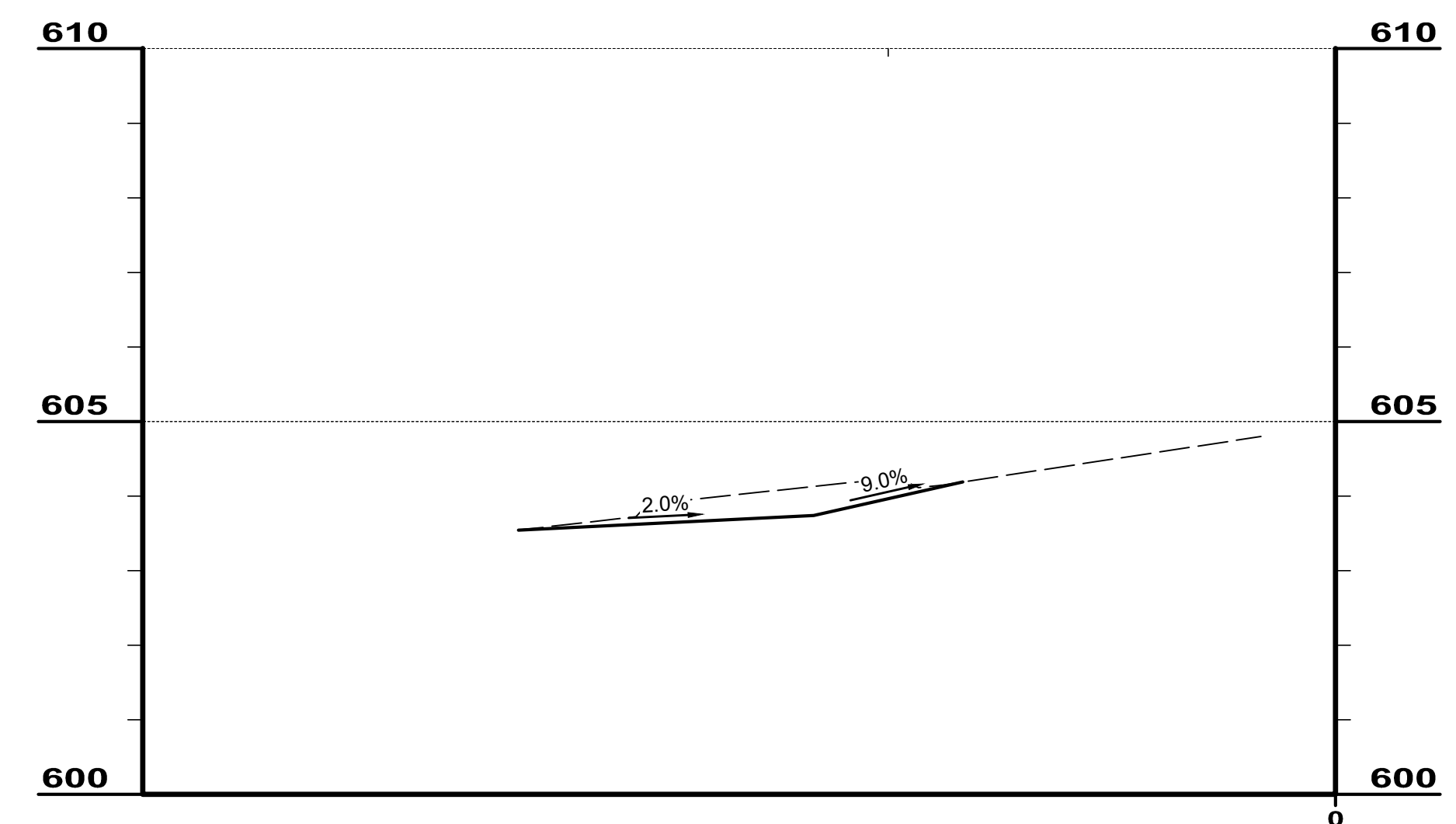
**10270 SPRINGFIELD PIKE SOUTH DRIVE**



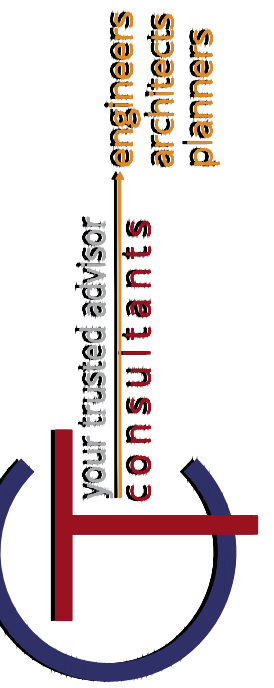
**10300 SPRINGFIELD PIKE**



**10270 SPRINGFIELD PIKE NORTH DRIVE**



**10380 SPRINGFIELDPIKE DRIVE**

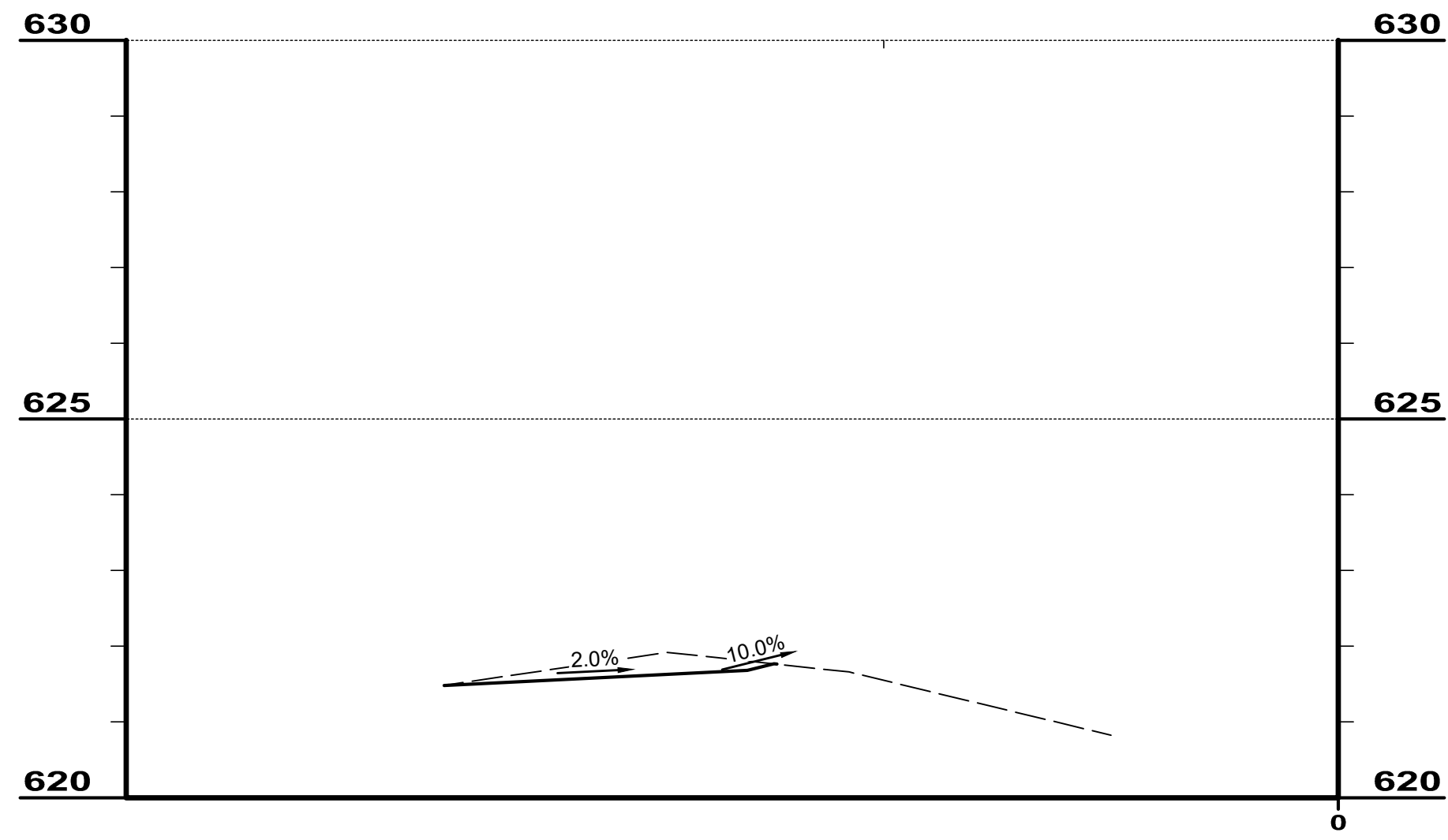


ISSUED FOR:	DATE	REVISION	NO
ISSUE DATE:			
SCALE:			
DESIGNED BY:			
DRAWN BY:			
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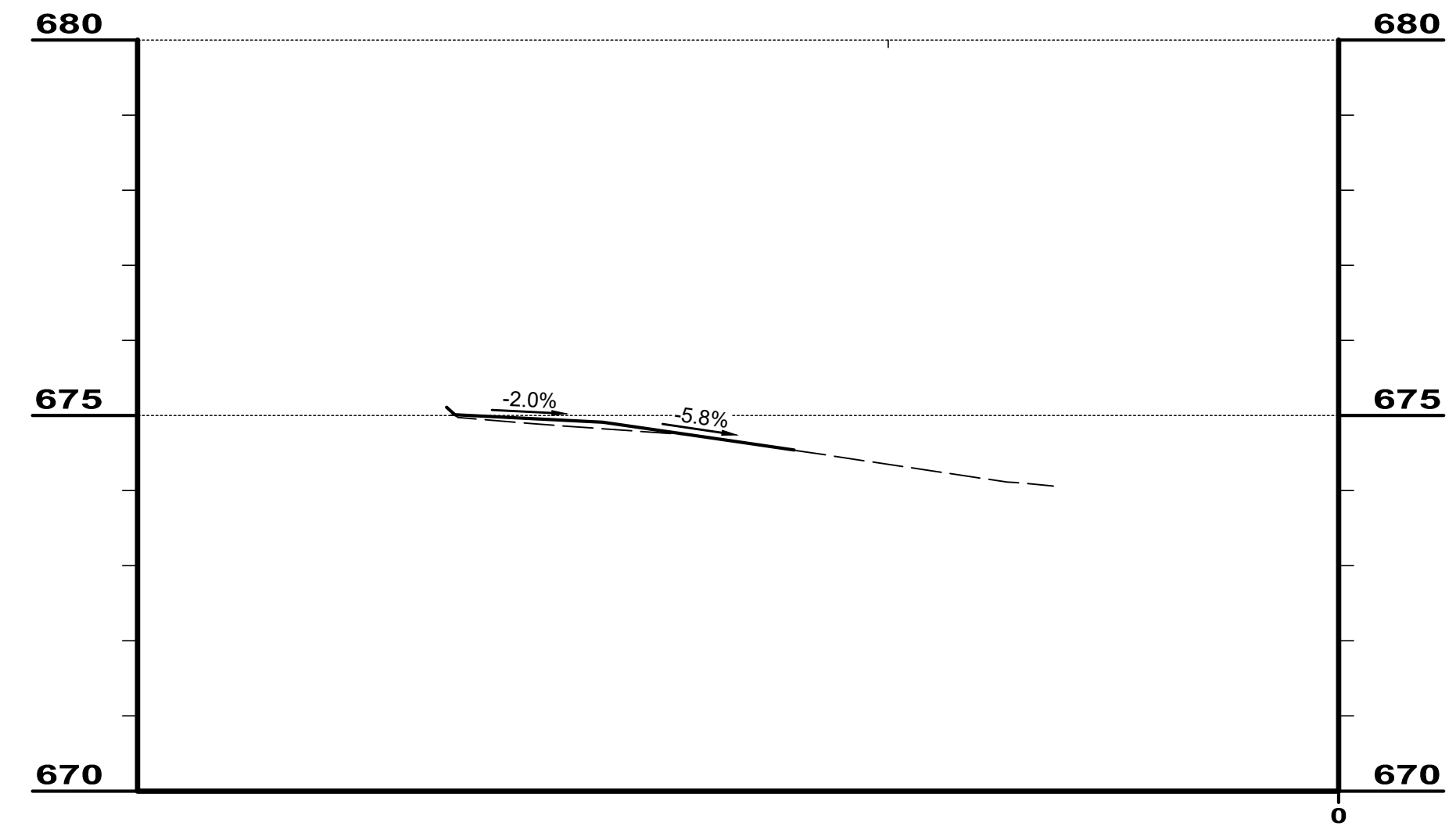
**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO

**DRIVEWAY PROFILES**

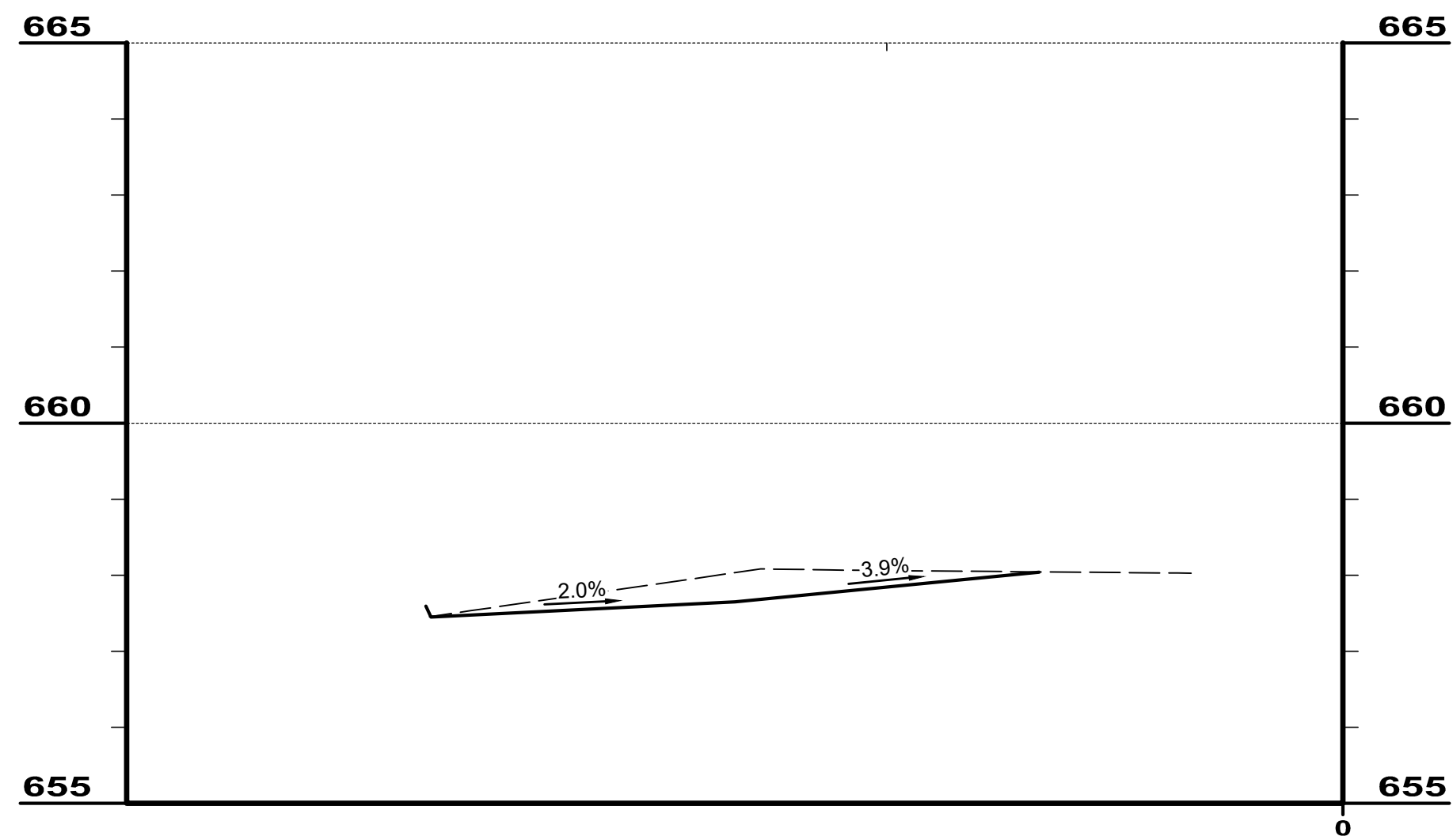
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DISCIPLINE	CIVIL
SHEET NAME	PROF1
SHEET	OF
13	20



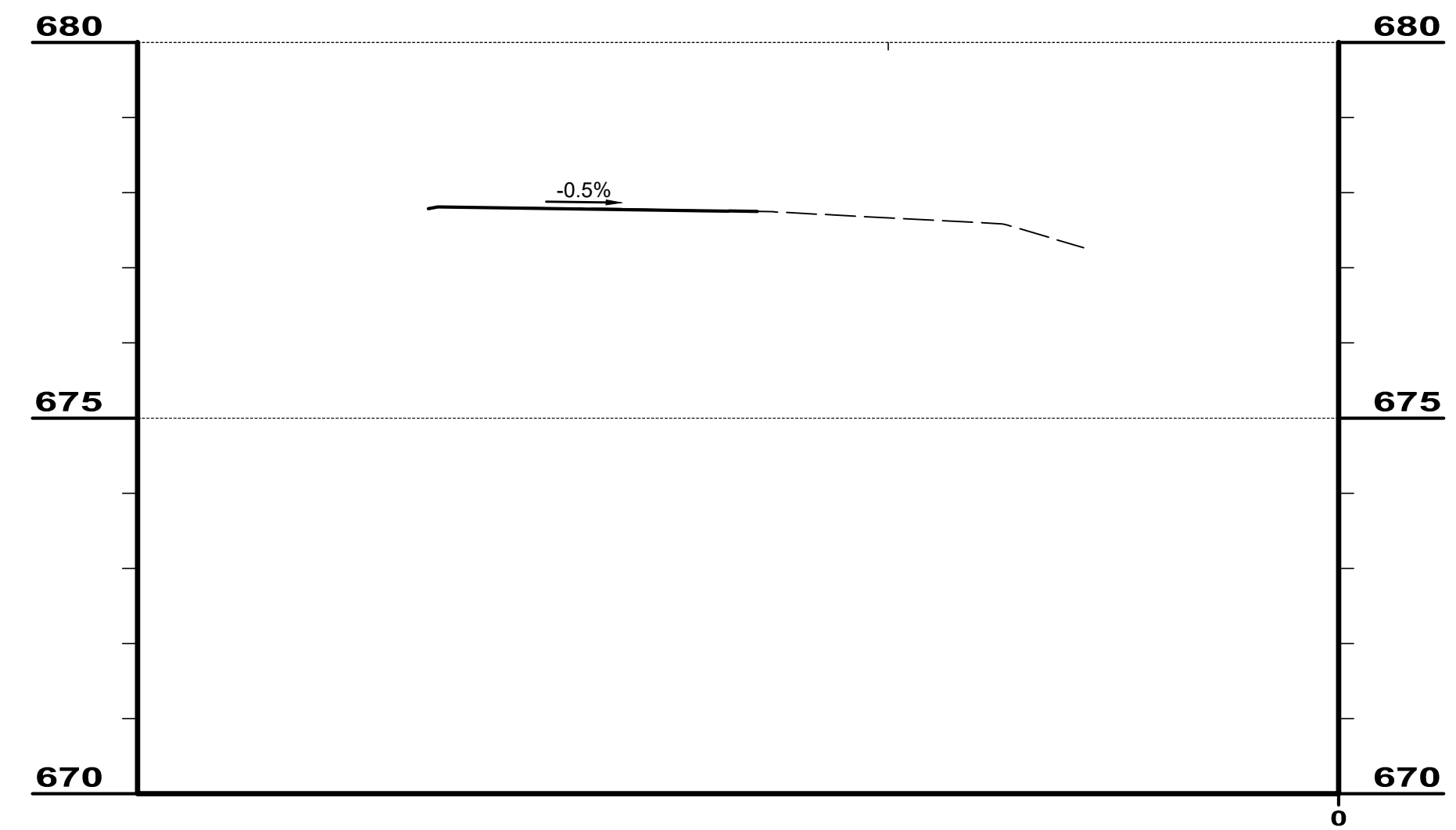
**1 GLENDALE MILFORD RD DRIVE**



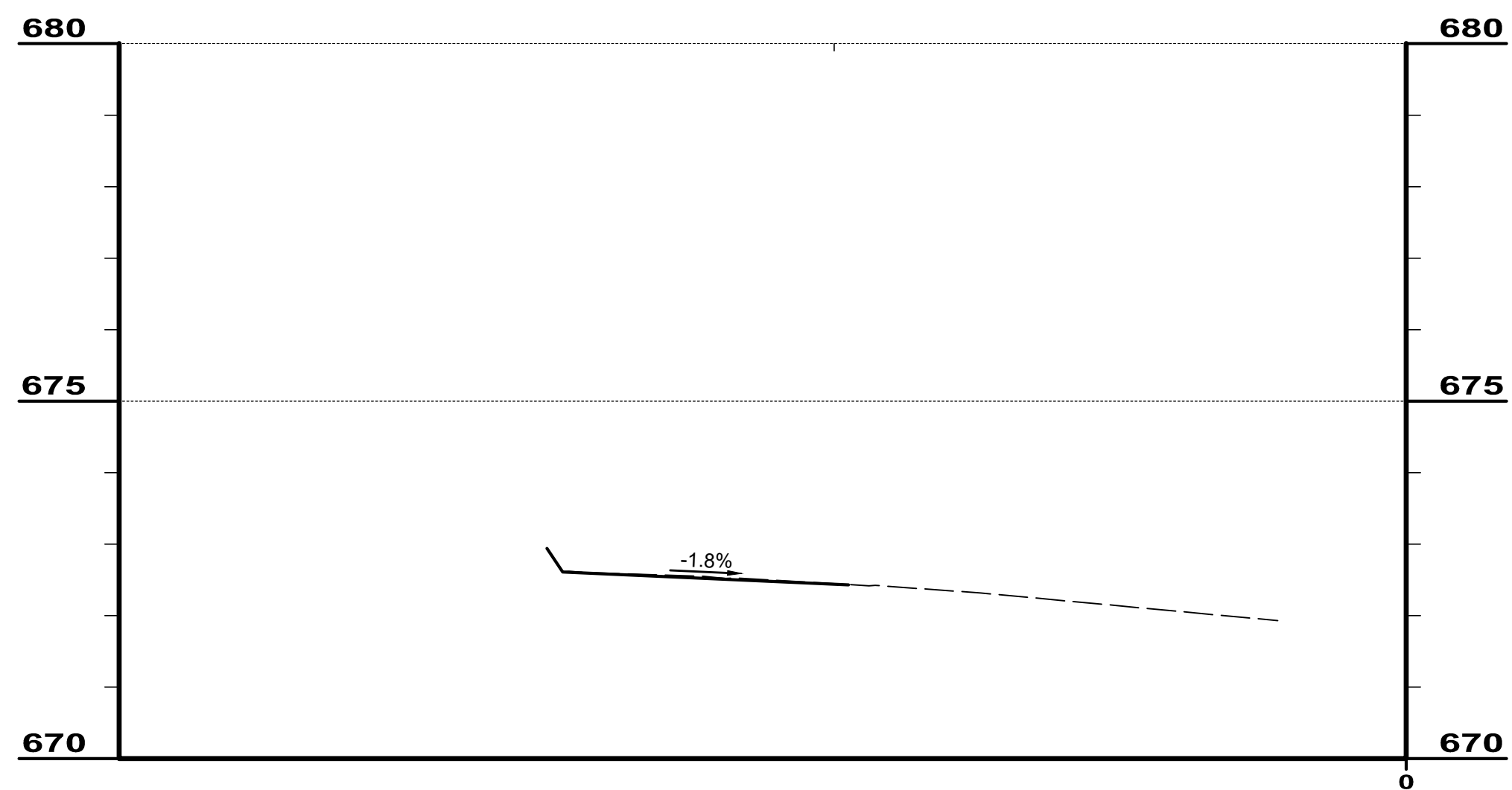
**10596 SPRINGFIELD PIKE NORTH DRIVE**



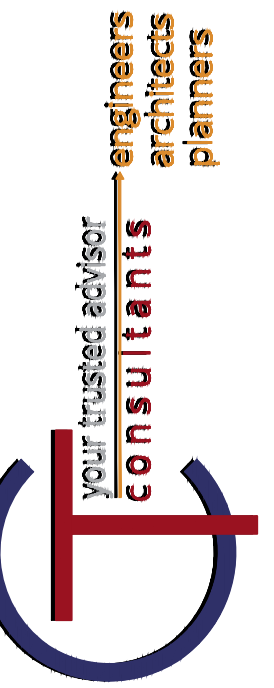
**ZENITH LOGISTICS EMPLOYEE PARKING DRIVE**



**10600 SPRINGFIELD PIKE SOUTH DRIVE**



**10596 SPRINGFIELD PIKE SOUTH DRIVE**

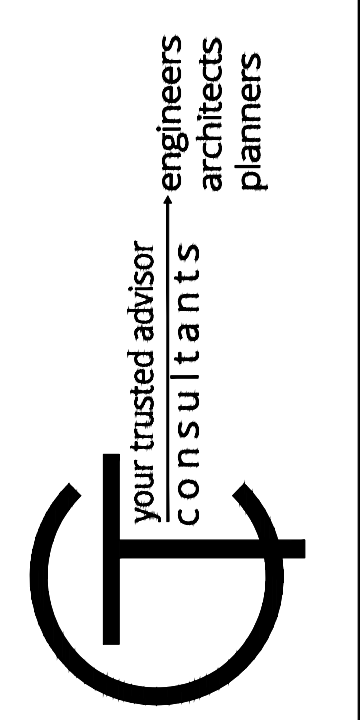
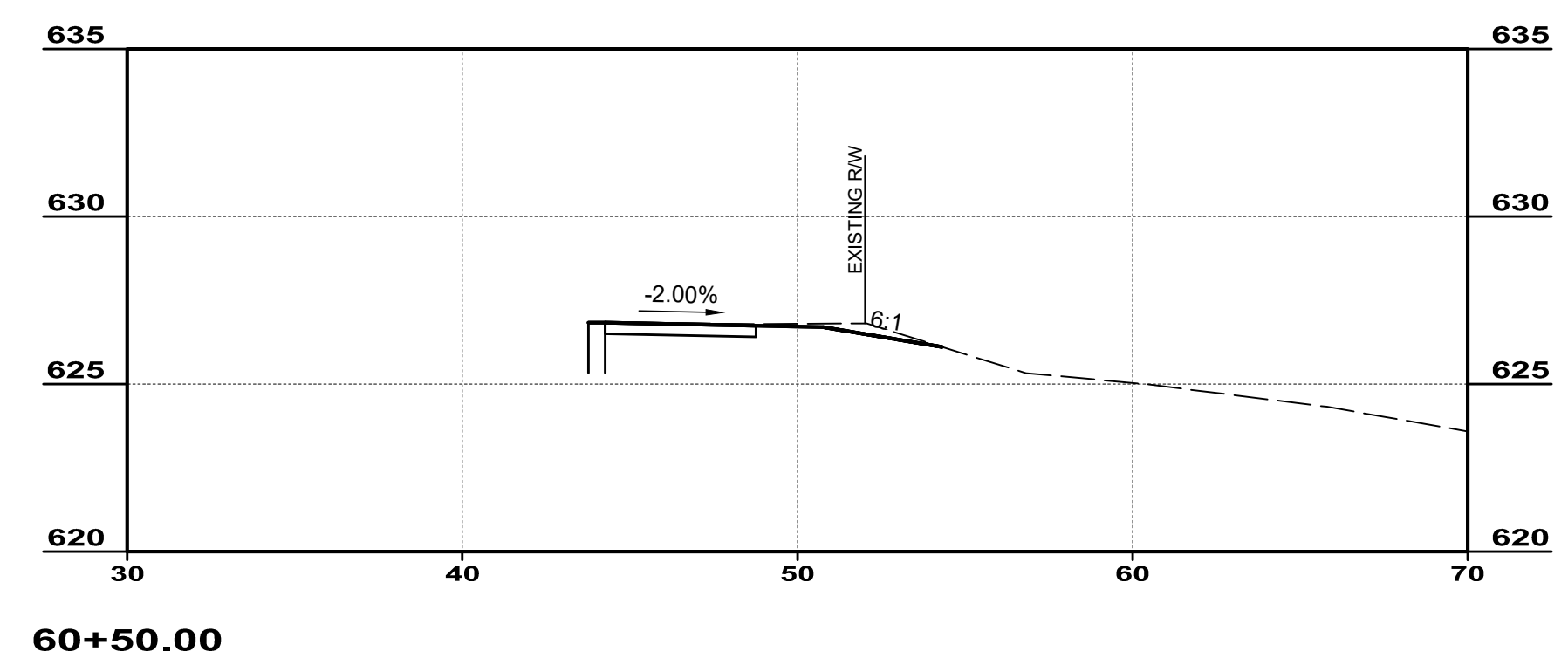
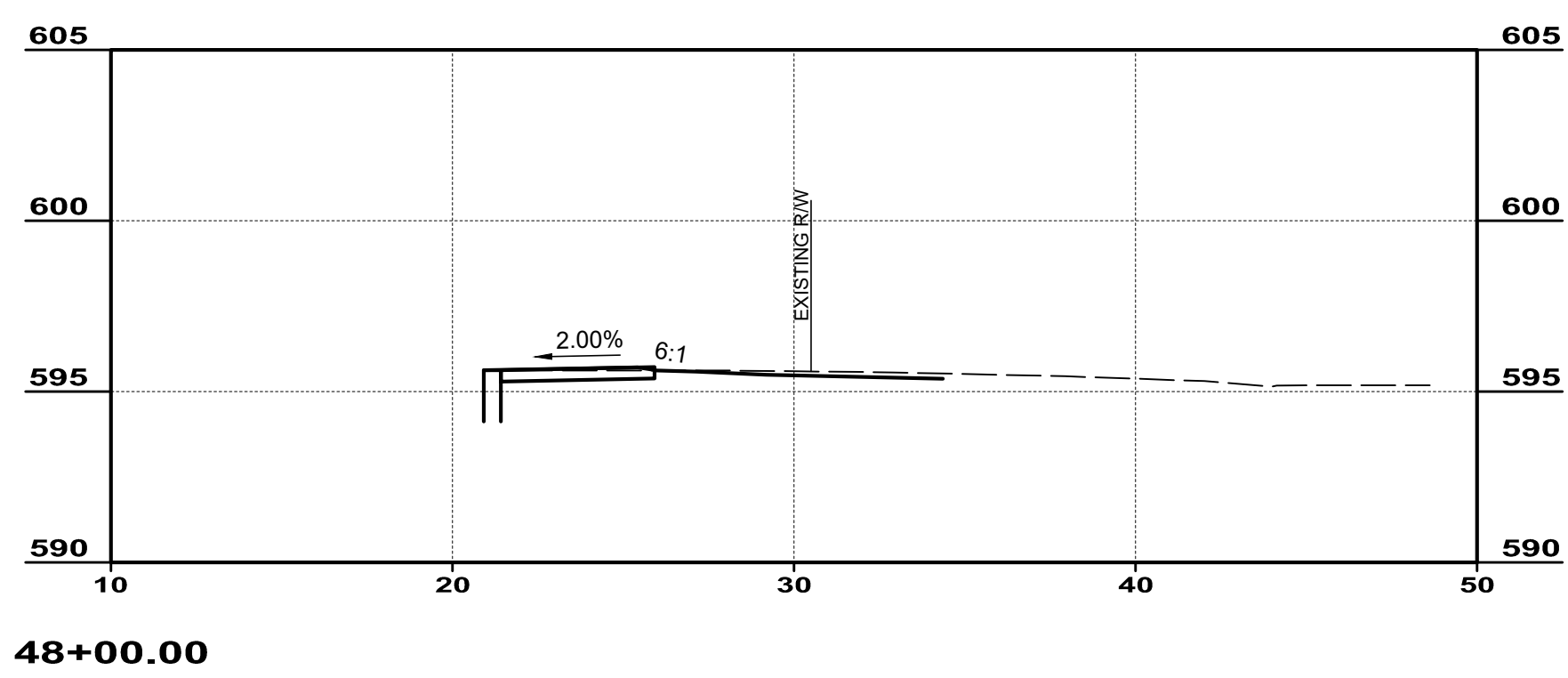
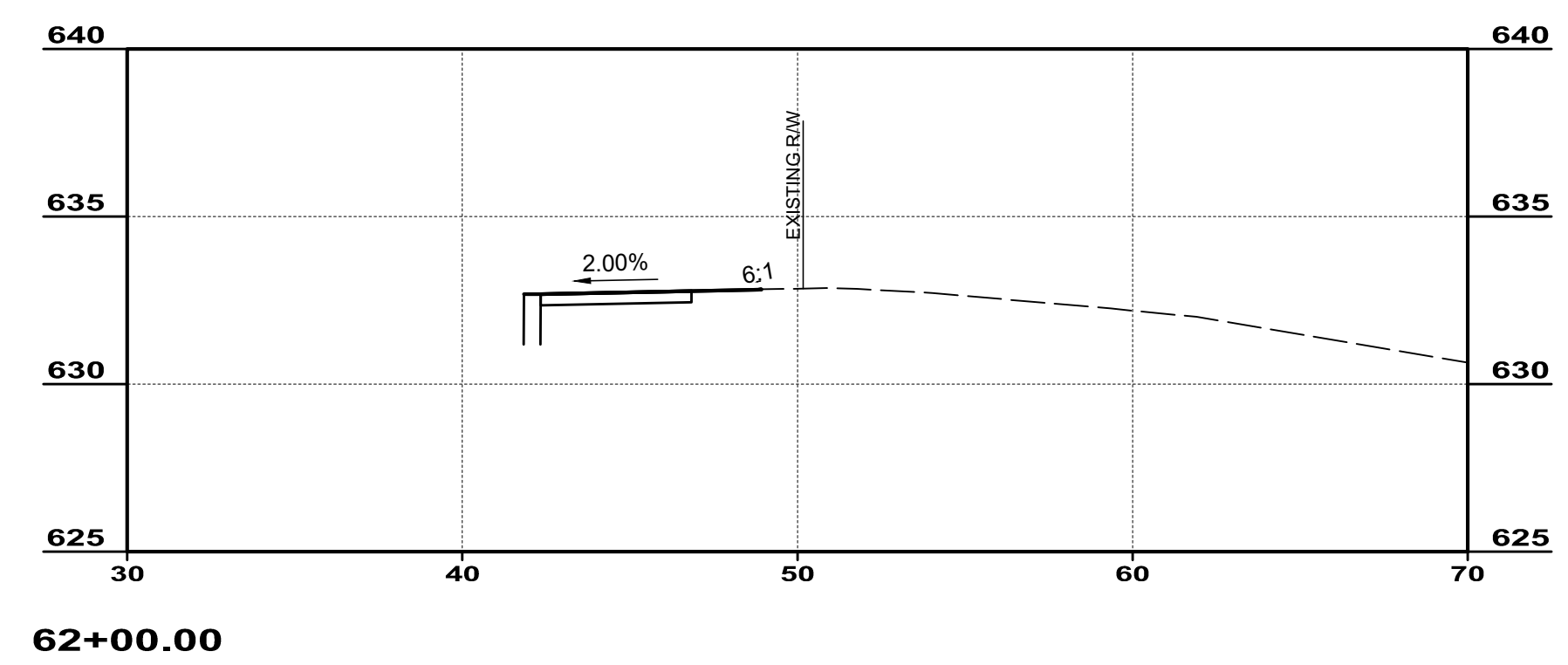
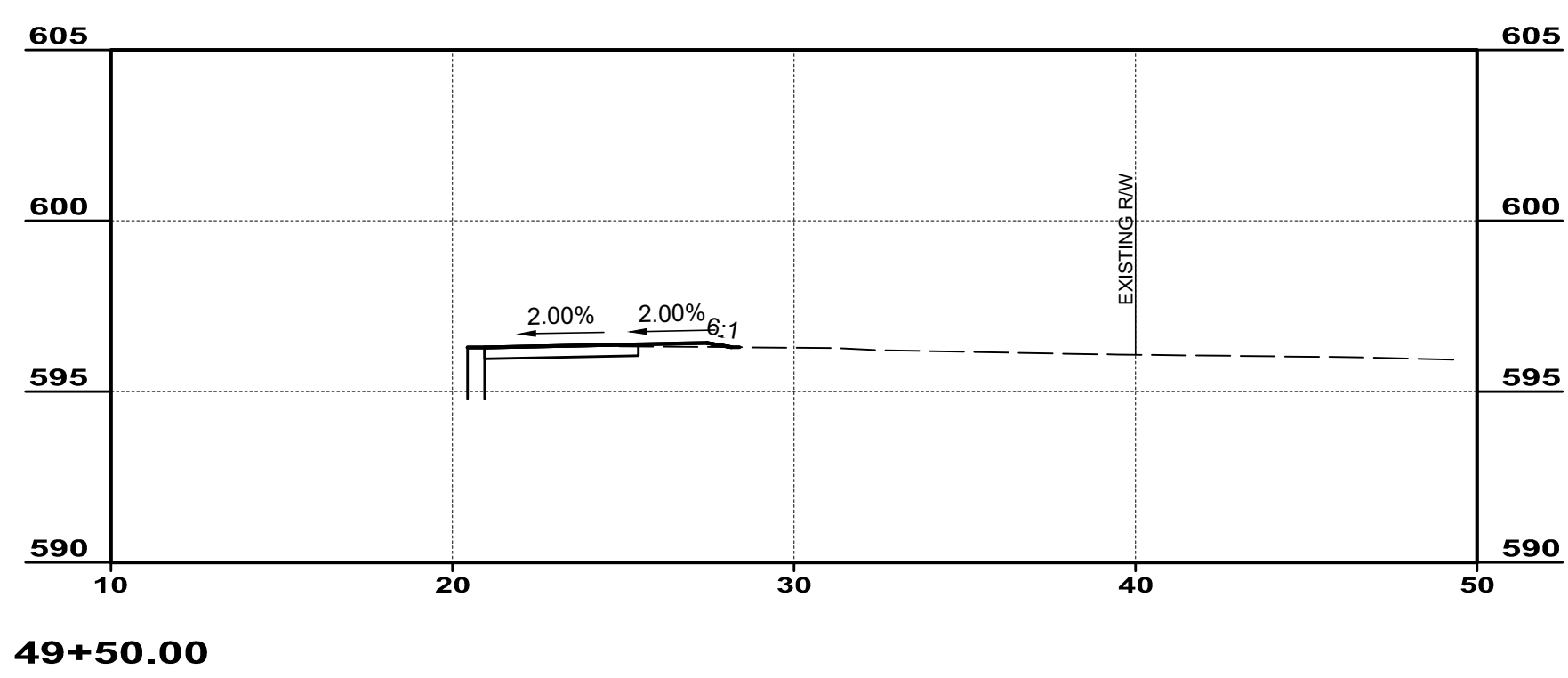
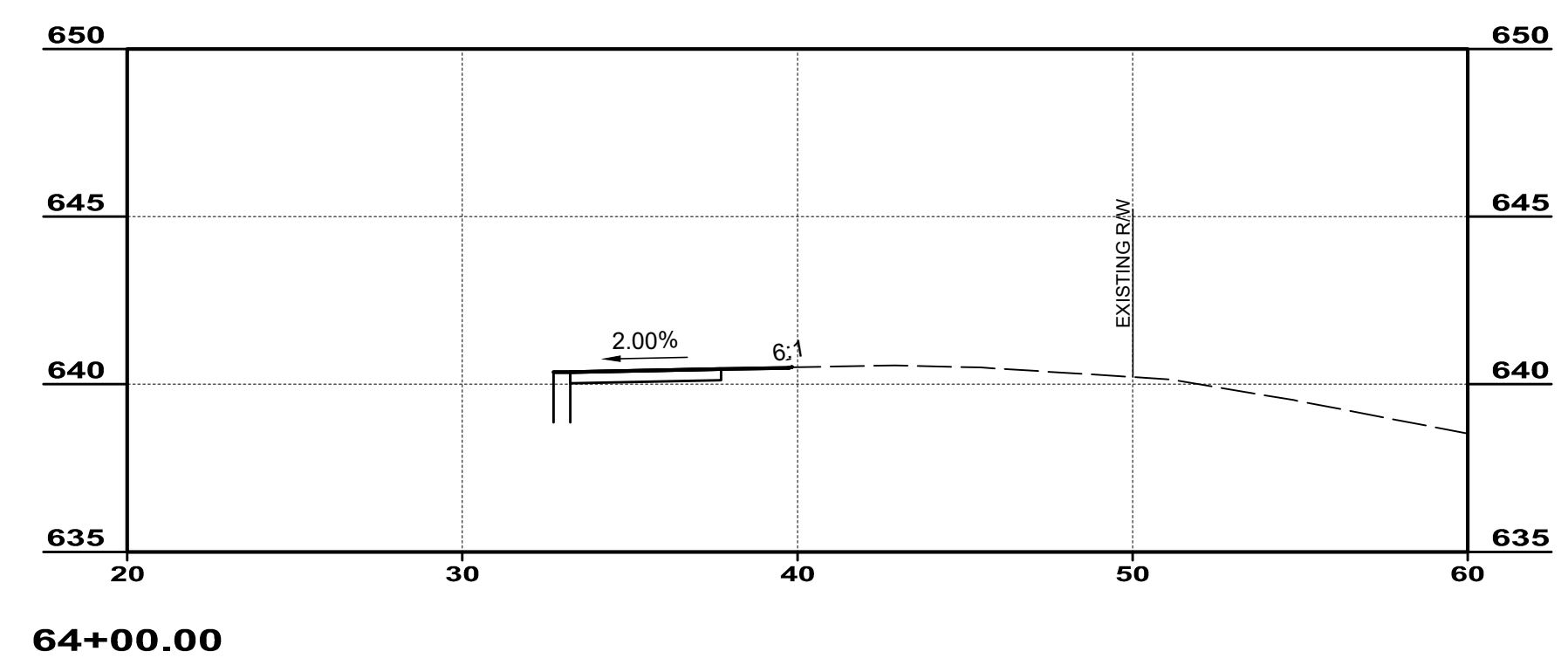
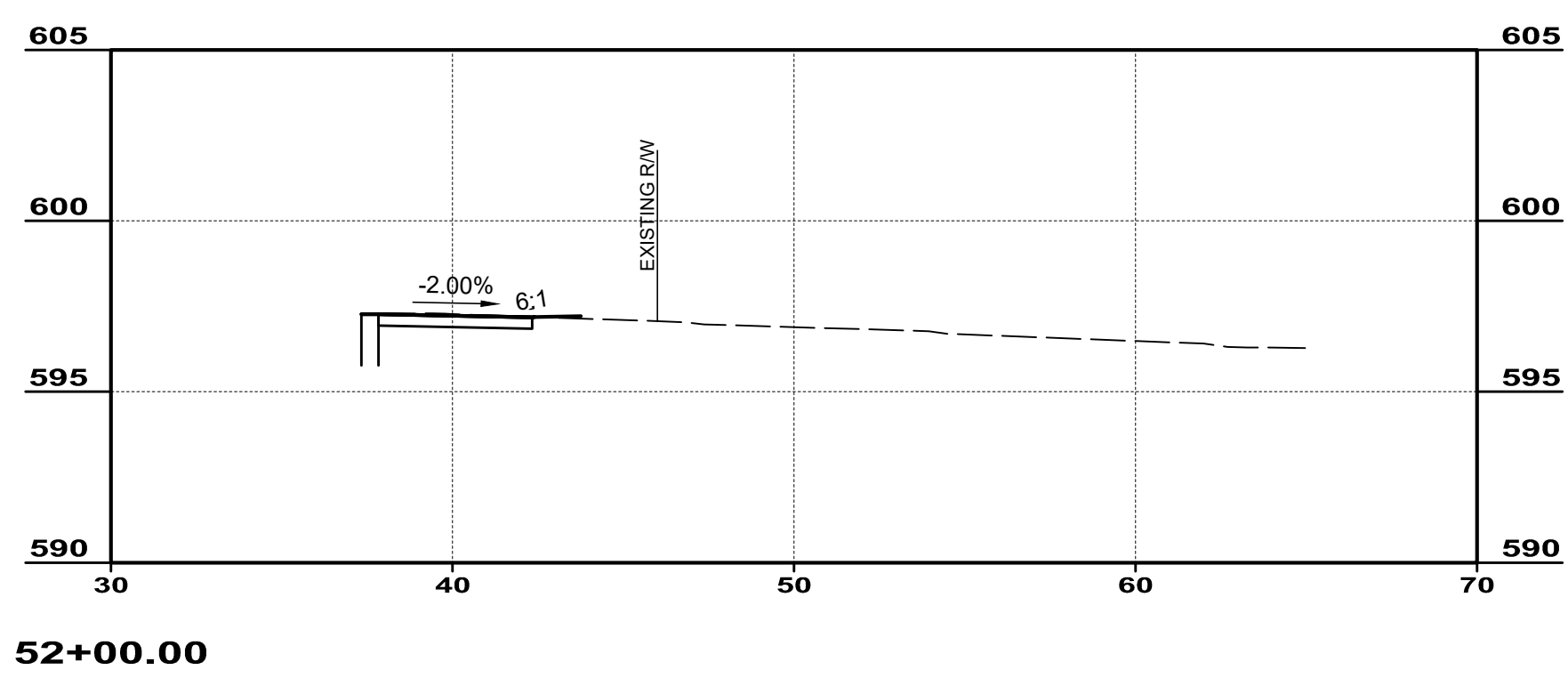
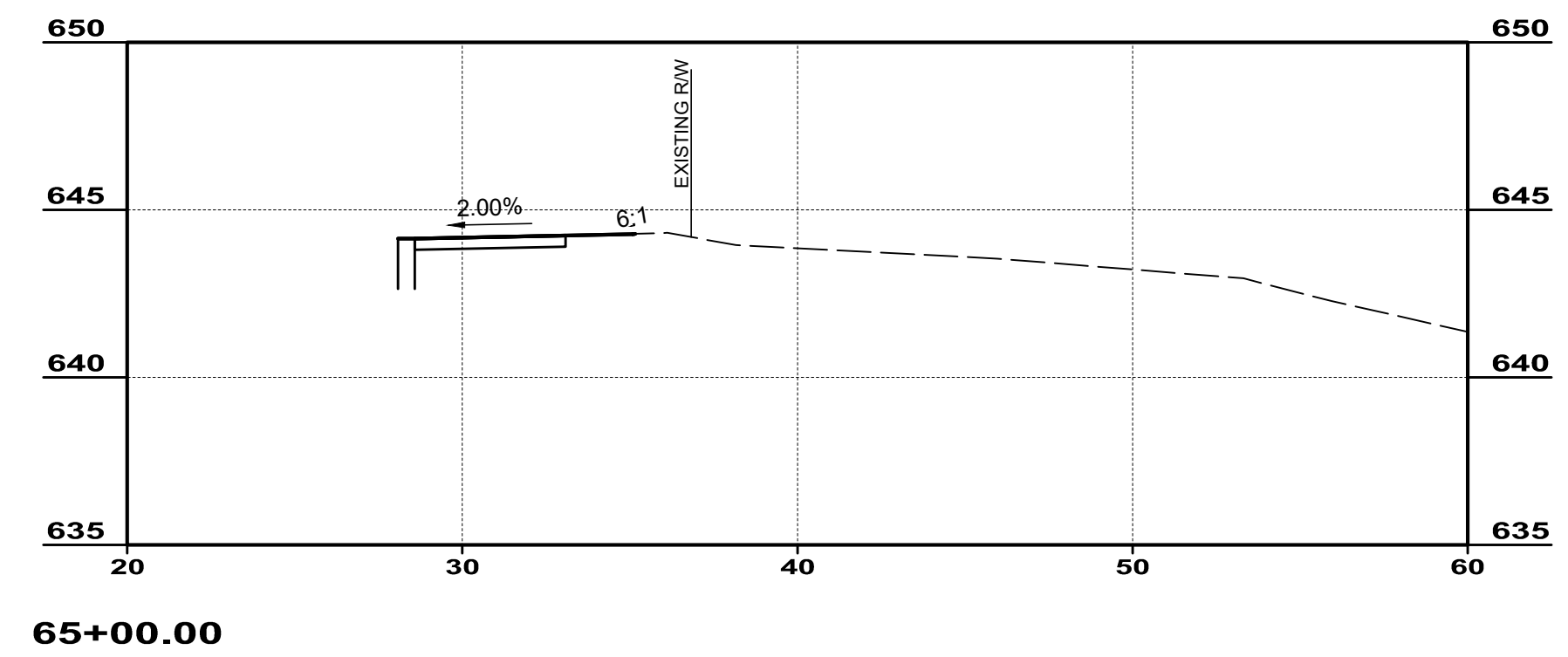
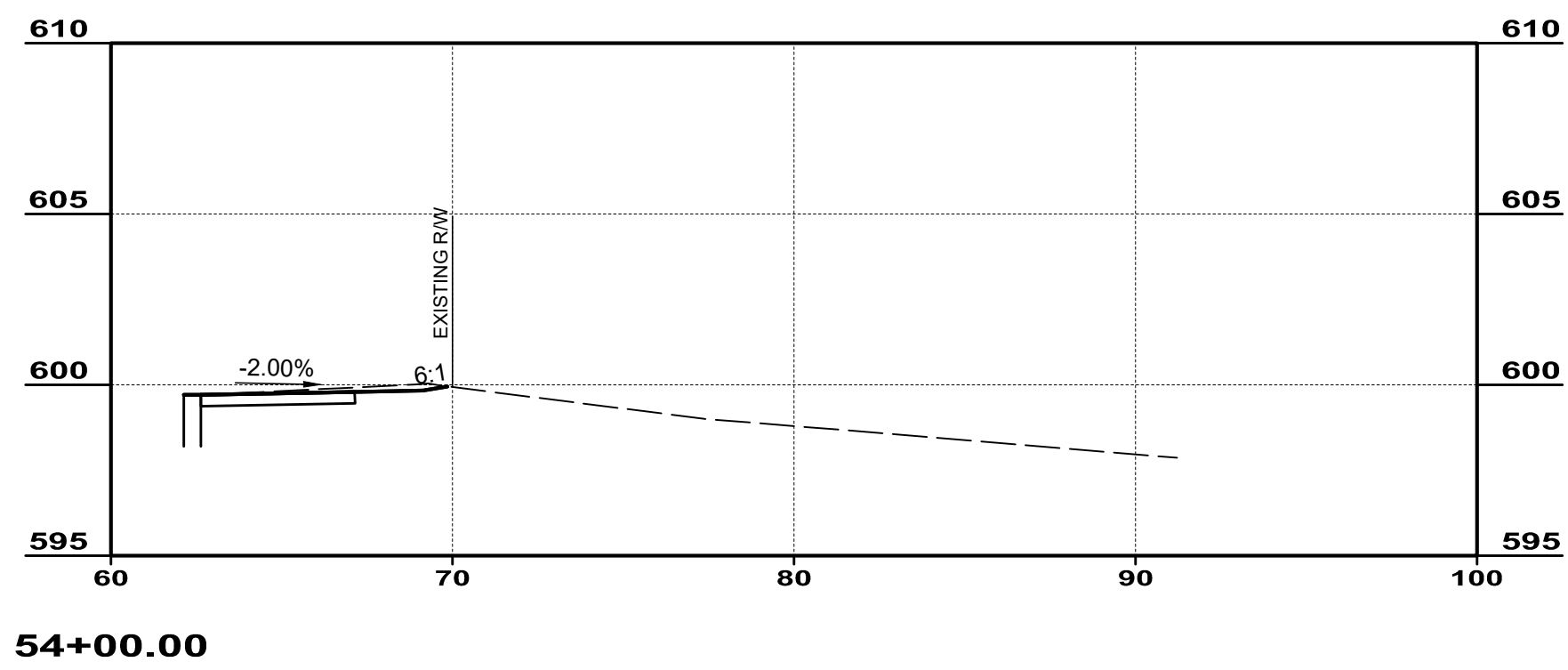


ISSUED FOR:	NO	REVISION	DATE
ISSUE DATE:			
SCALE:			
DESIGNED BY:			
DRAWN BY:			
CHECKED BY:			

**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO

**DRIVEWAY PROFILES**

PROJECT NO.	<b>220840</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PROF2</b>
SHEET	OF
<b>14</b>	<b>20</b>

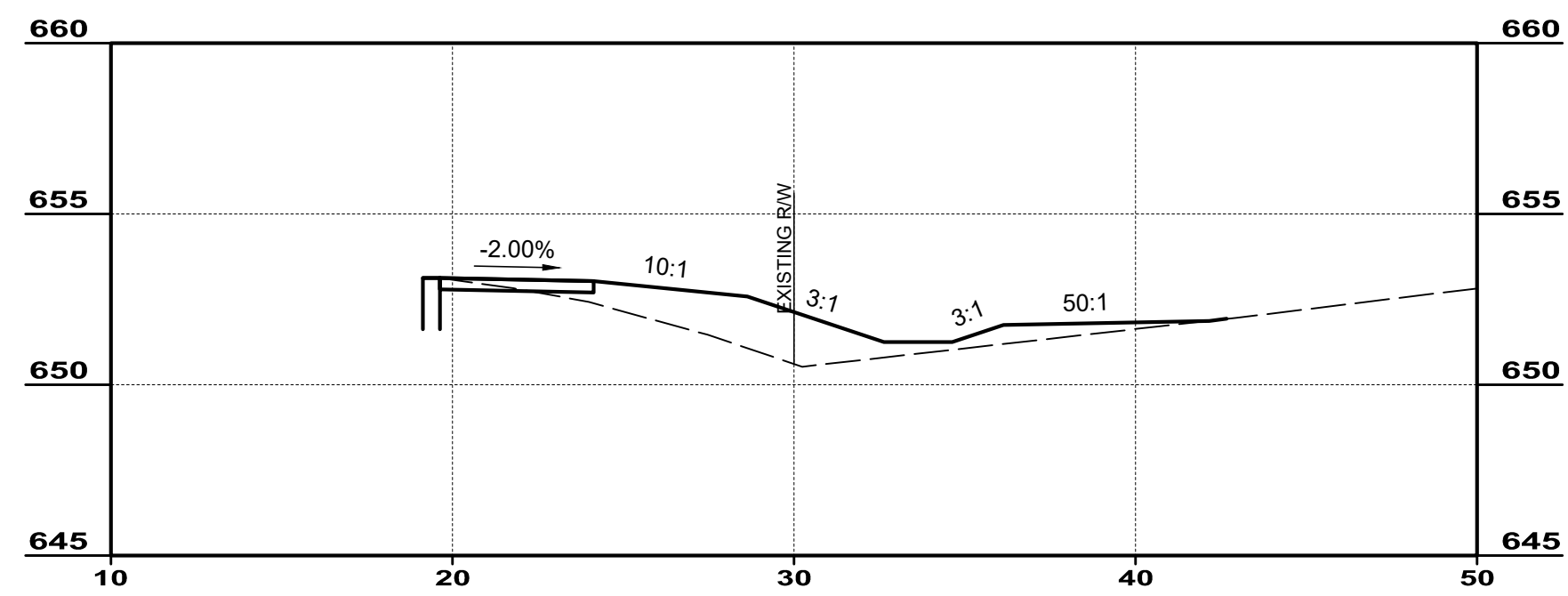


ISSUED FOR:	DATE
ISSUE DATE:	REVISION
SCALE:	NO
DESIGNED BY:	AS SHOWN
DRAWN BY:	MLAC
CHECKED BY:	AJAC
	MLAC

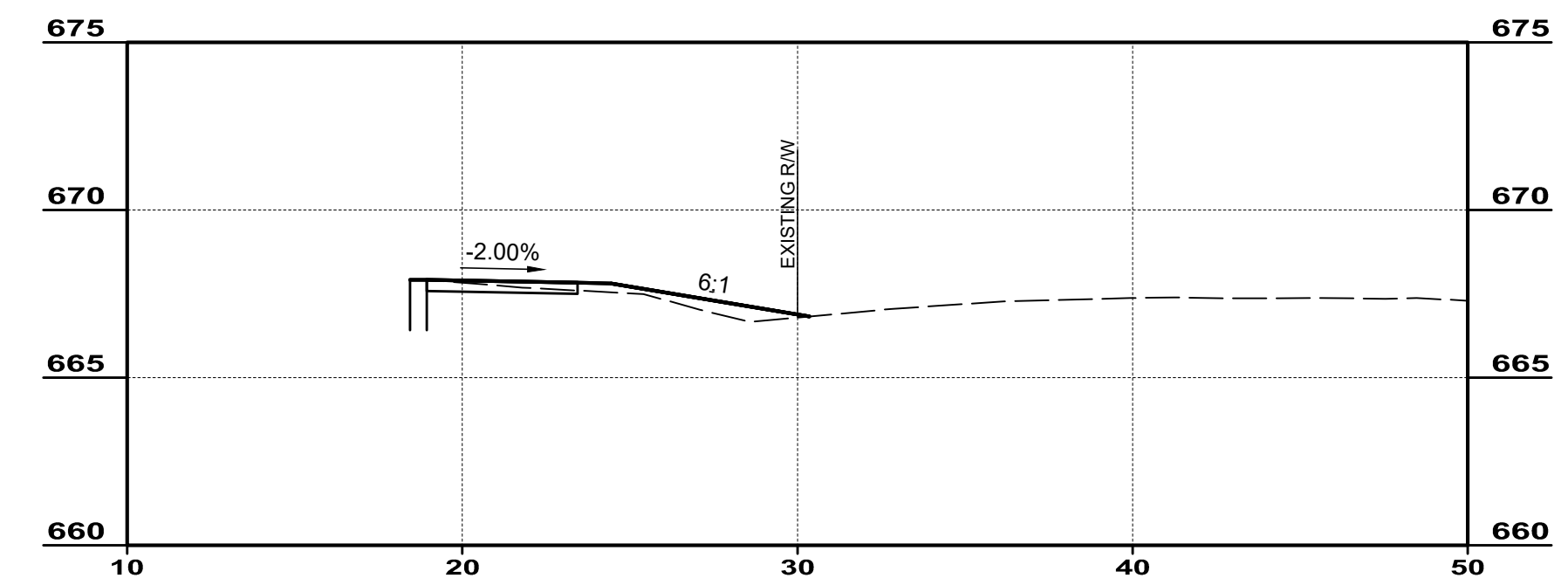
**GRUENINGER & SPRINGFIELD PIKE**  
**VILLAGE OF WOODLAWN**  
 HAMILTON COUNTY, OHIO

**TYPICAL CROSS SECTIONS**  
**STA. 48+00 - STA. 65+00**

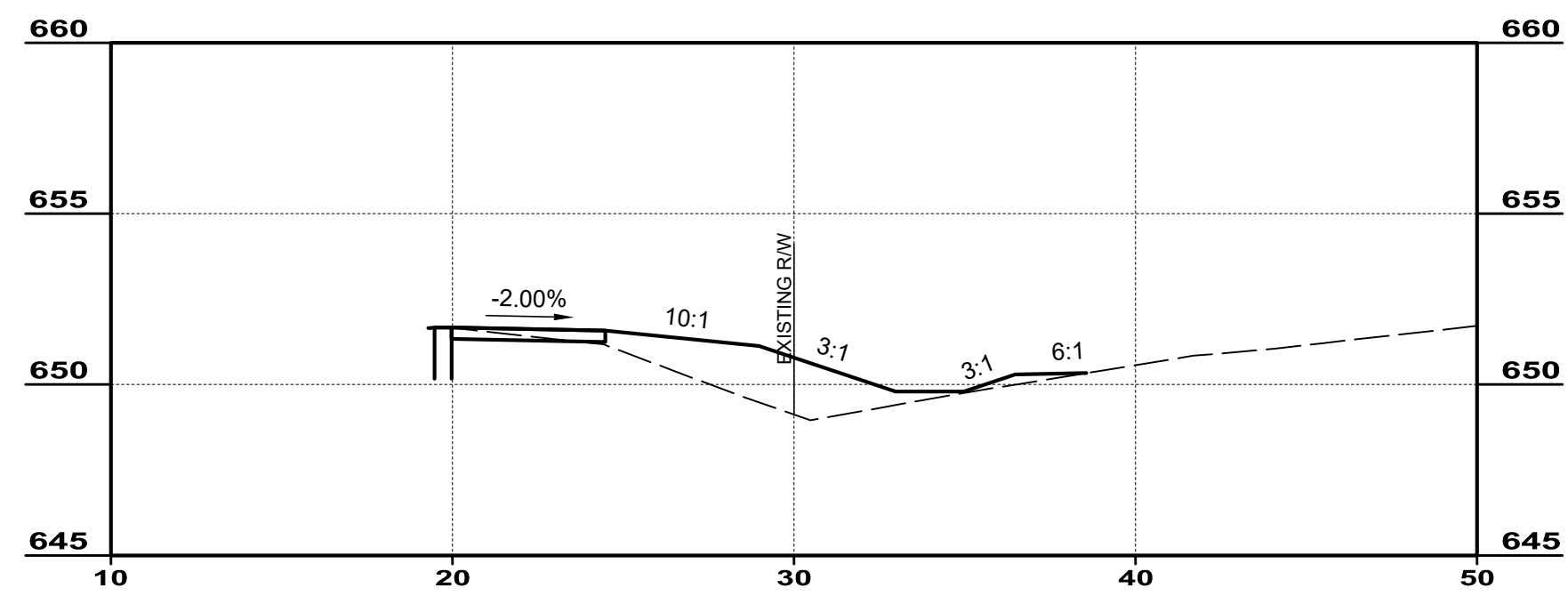
PROJECT NO.	220840
DISCIPLINE	CIVIL
SHEET NAME	SECT1
SHEET	OF
15	20



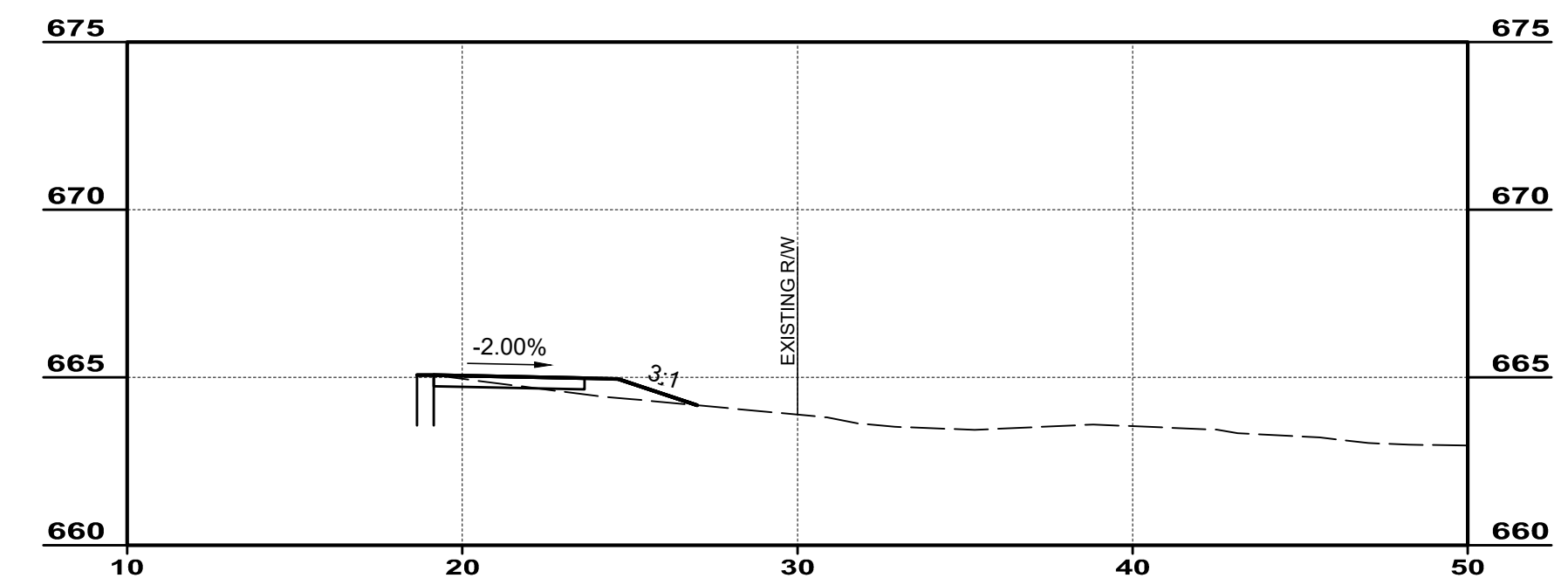
68+00.00



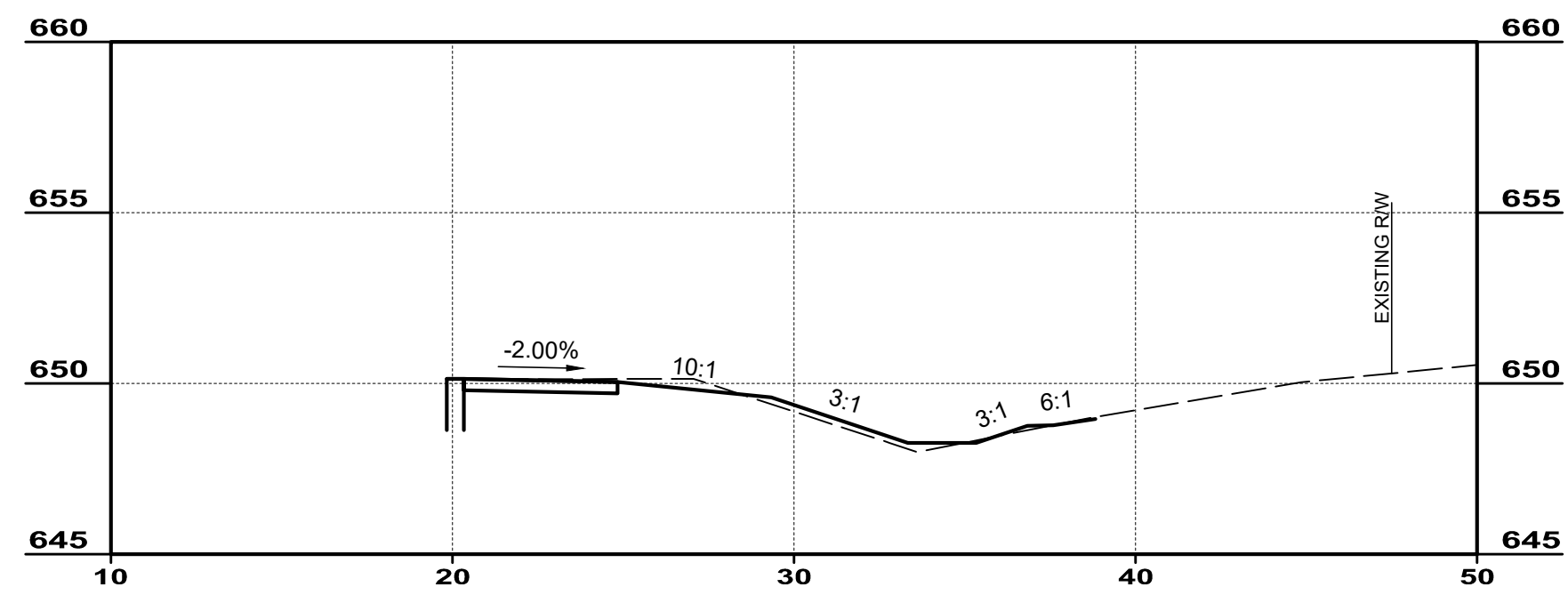
73+00.00



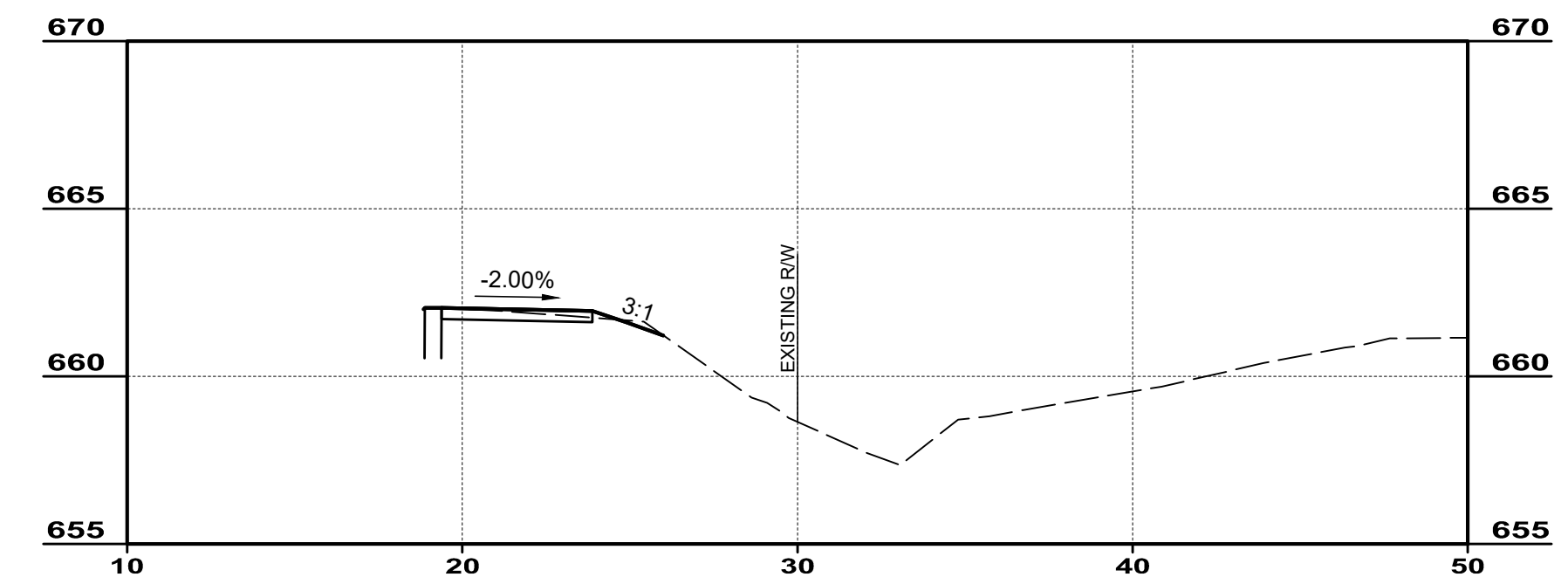
67+50.00



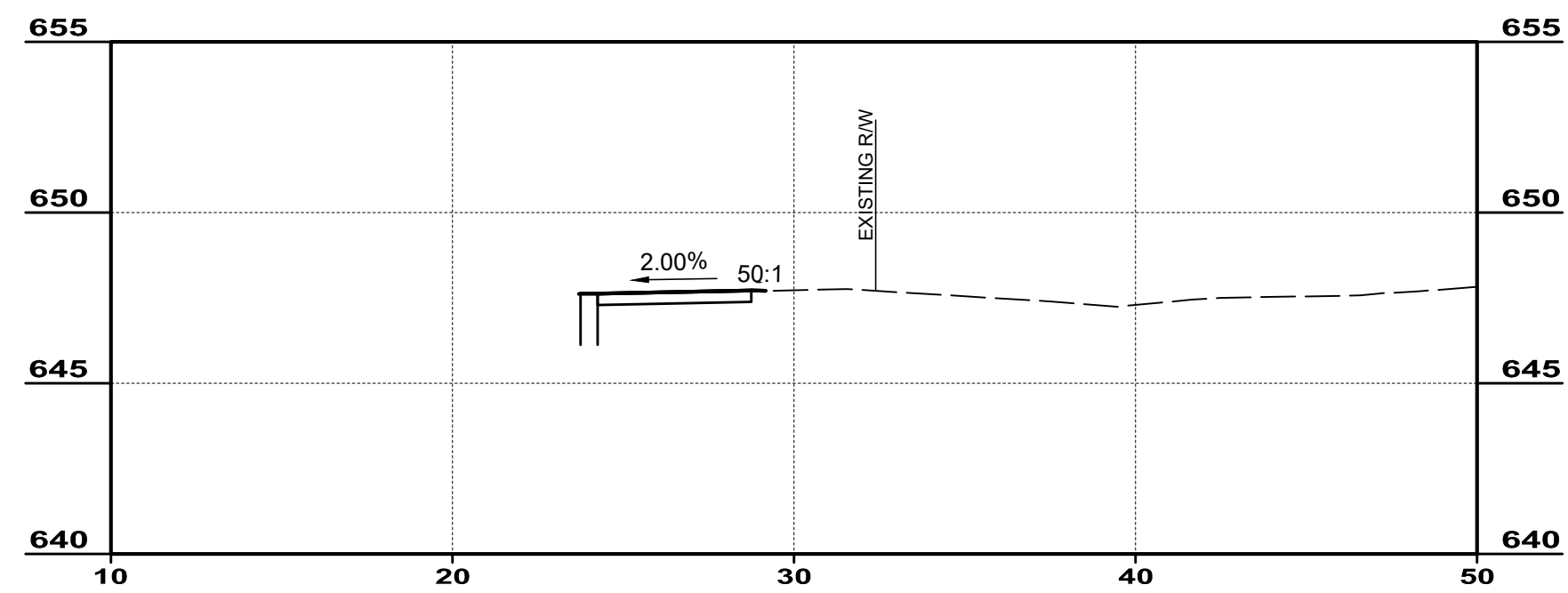
72+00.00



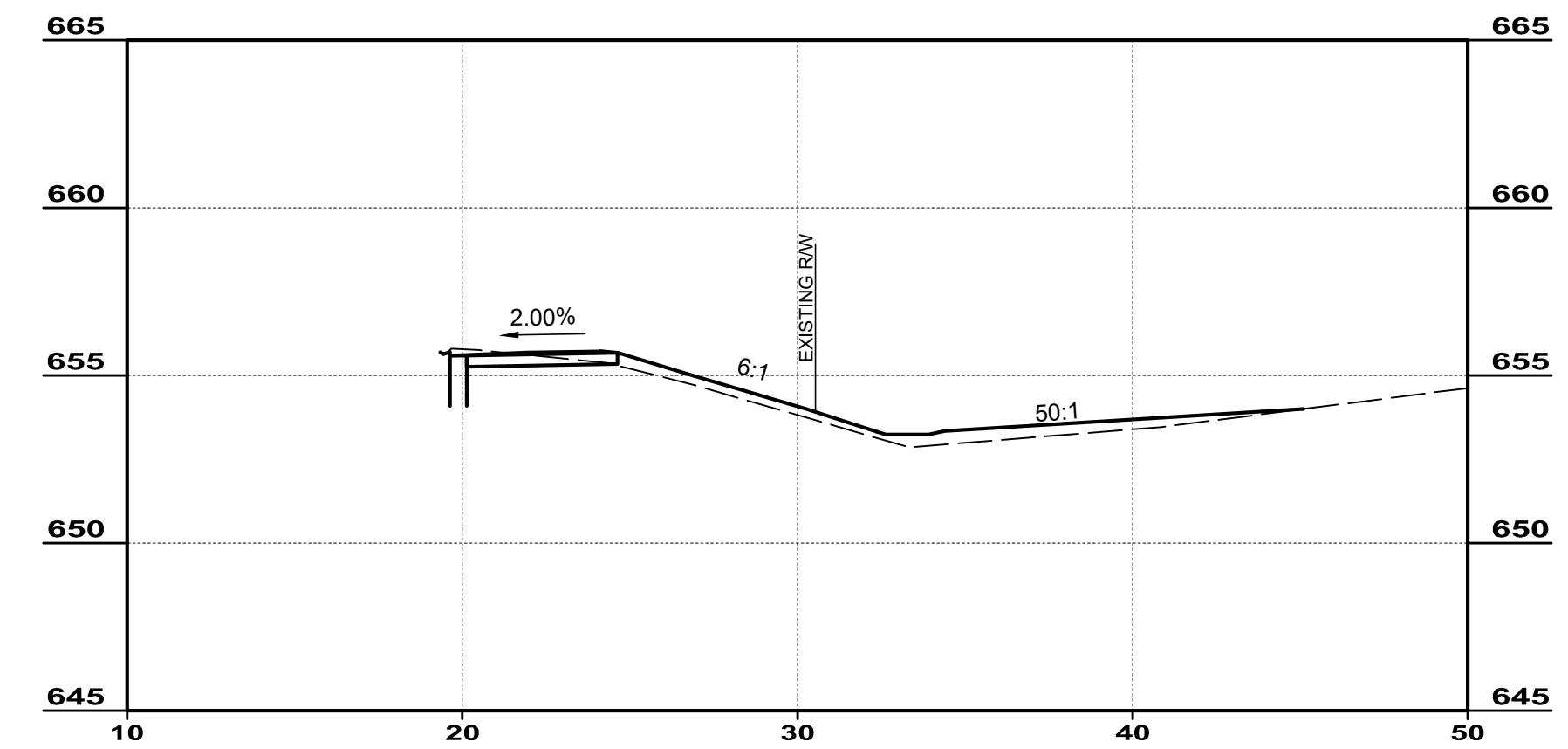
67+00.00



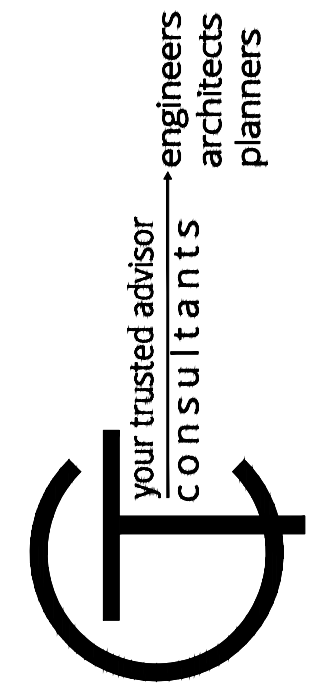
71+00.00



66+00.00



69+00.00



NO	REVISION	DATE

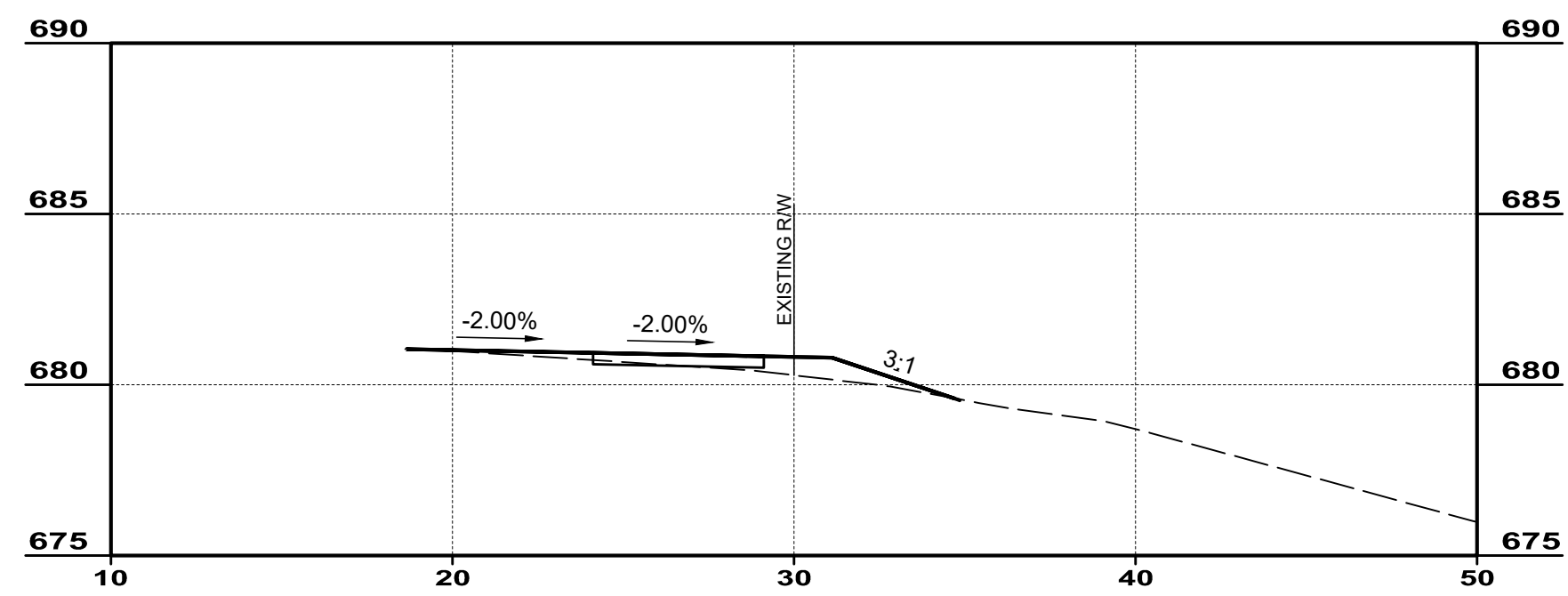
ISSUED FOR:	AS SHOWN
ISSUE DATE:	MLAC
SCALE:	AJAC
DESIGNED BY:	MLAC
DRAWN BY:	
CHECKED BY:	

**GRUENINGER & SPRINGFIELD PIKE**  
**VILLAGE OF WOODLAWN**  
 HAMILTON COUNTY, OHIO

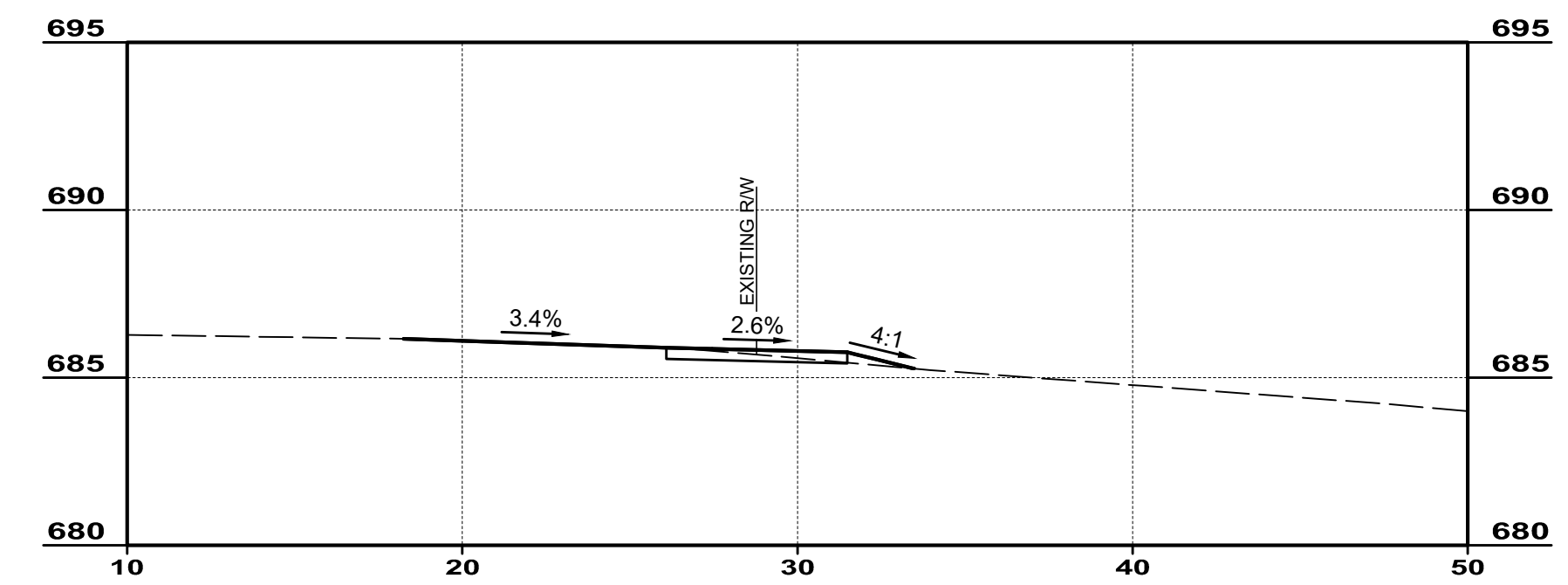
**TYPICAL CROSS SECTIONS**  
**STA. 48+00 - STA. 65+00**

PROJECT NO.	220840
DISCIPLINE	CIVIL
SHEET NAME	SECT1
SHEET	OF
15	20

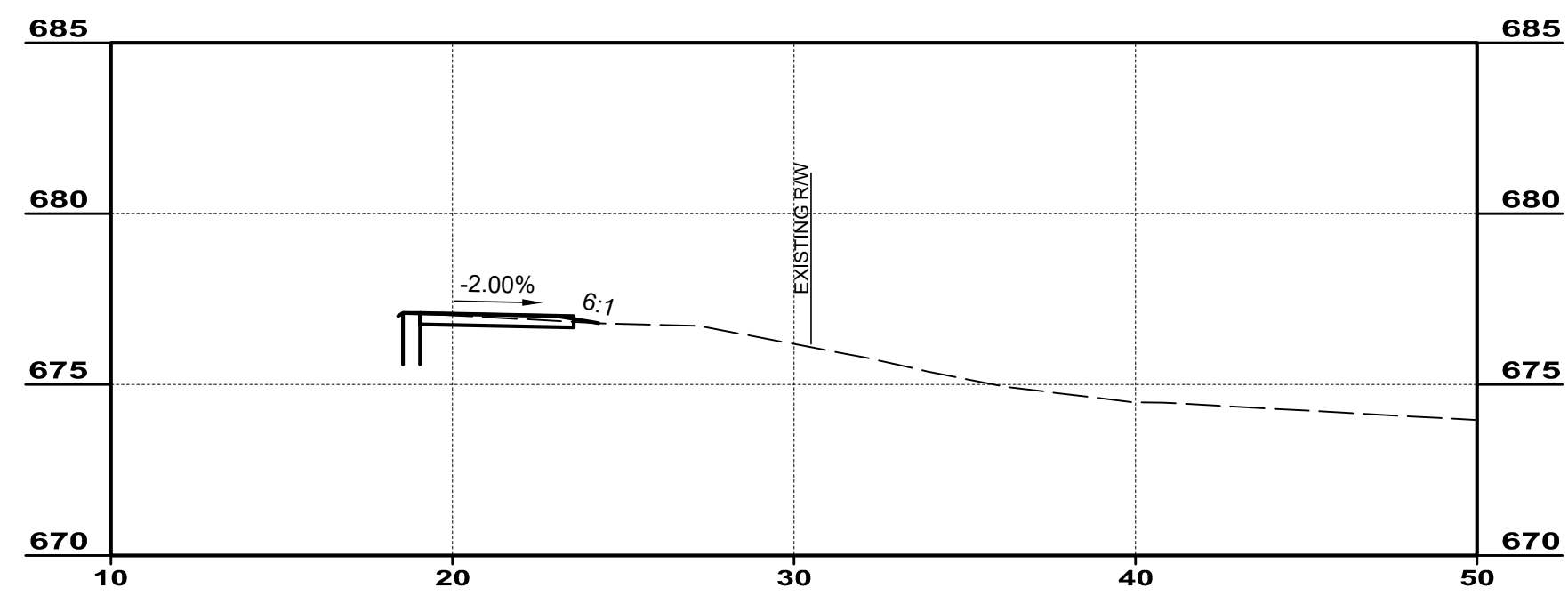




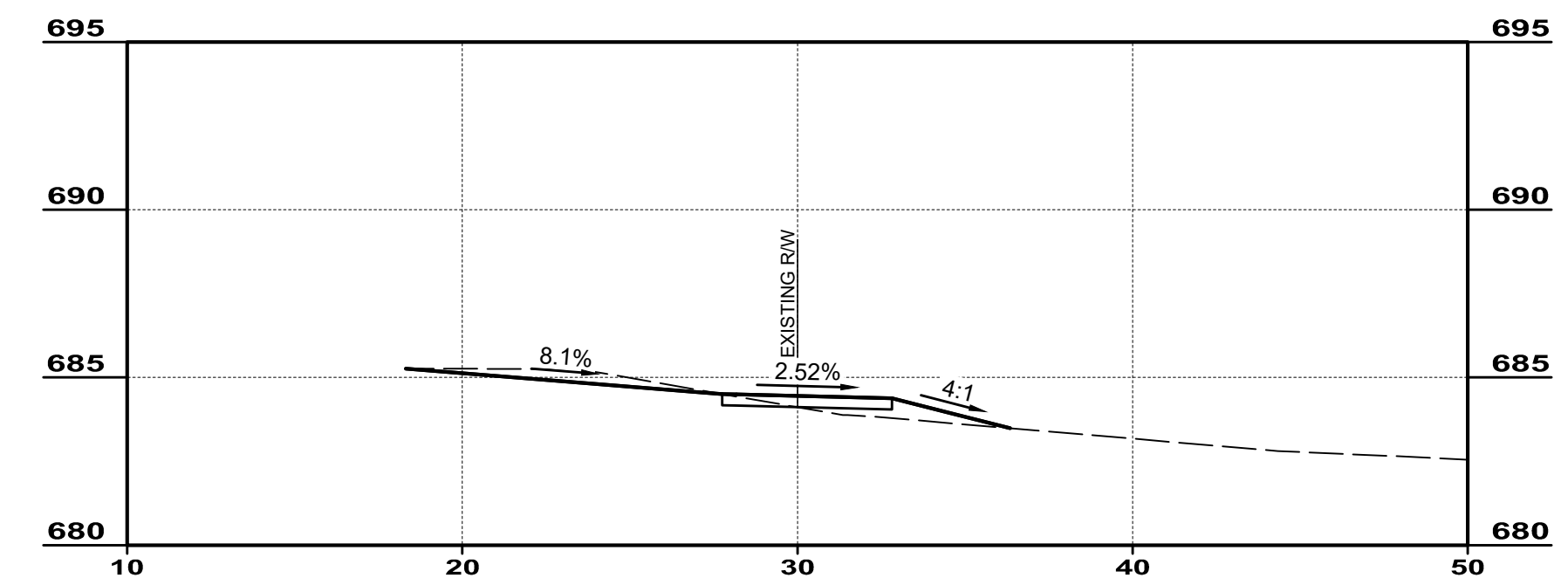
78+50.00



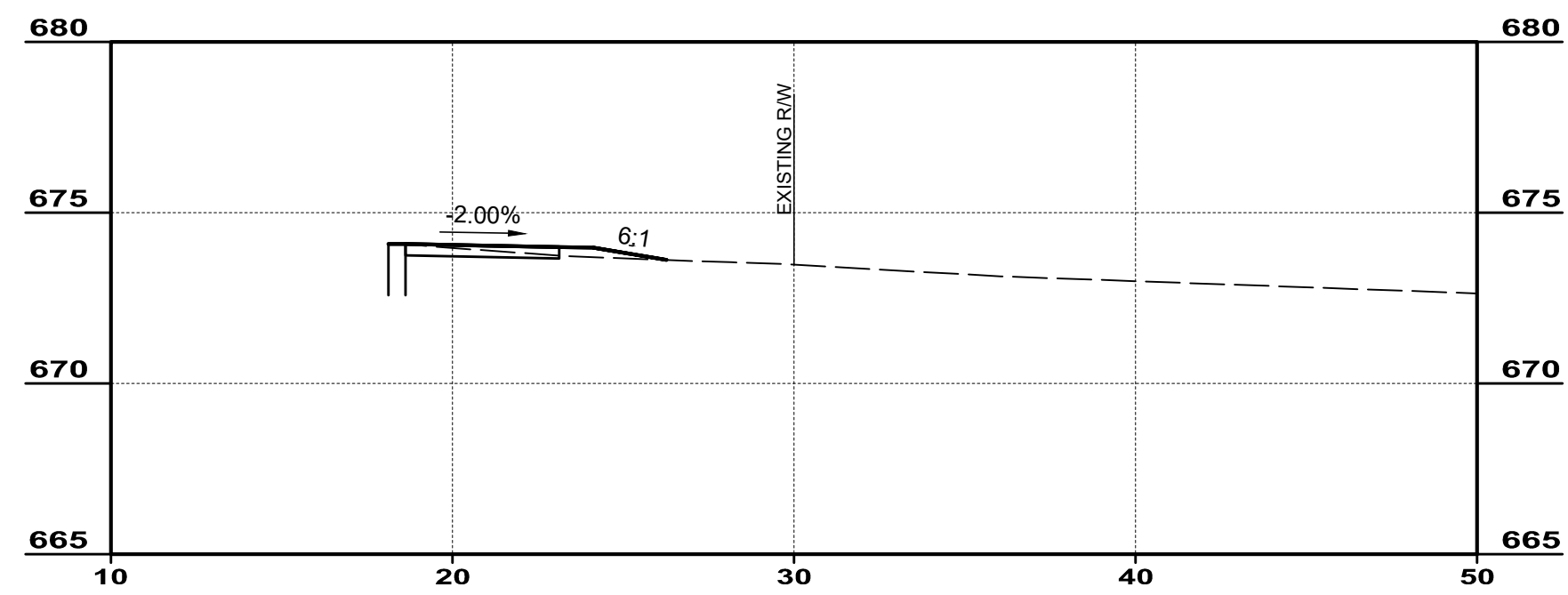
82+00.00



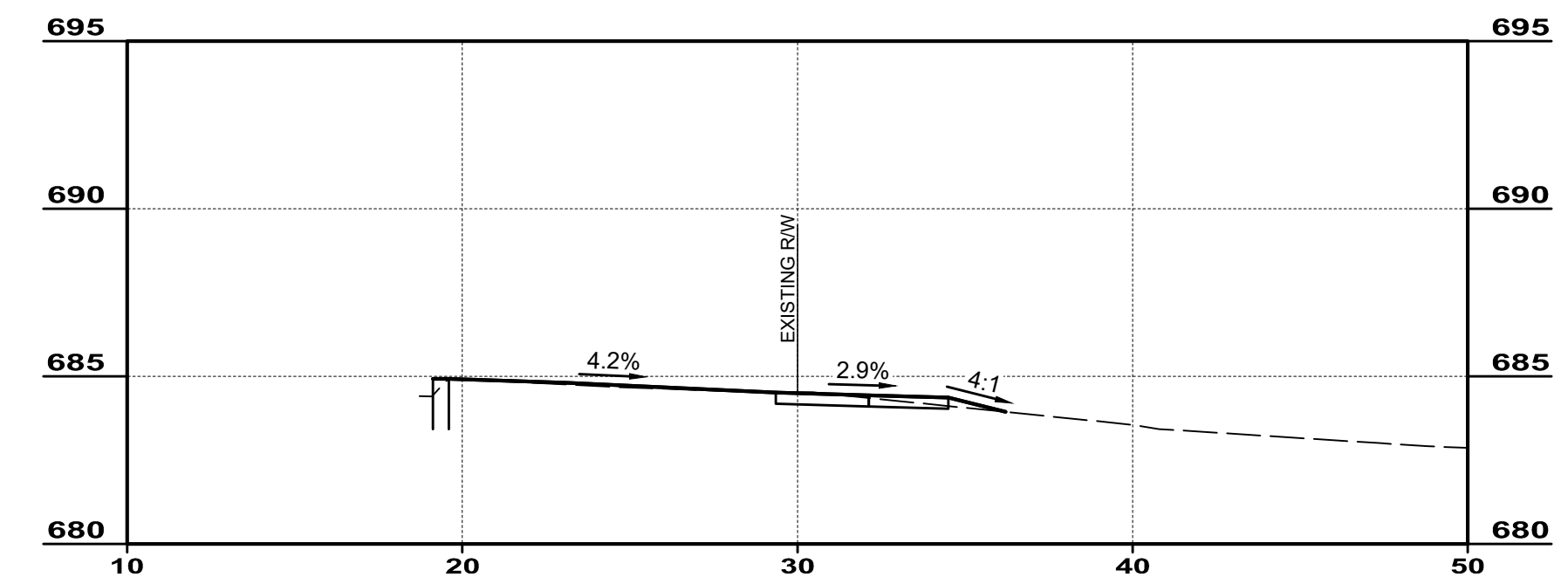
76+50.00



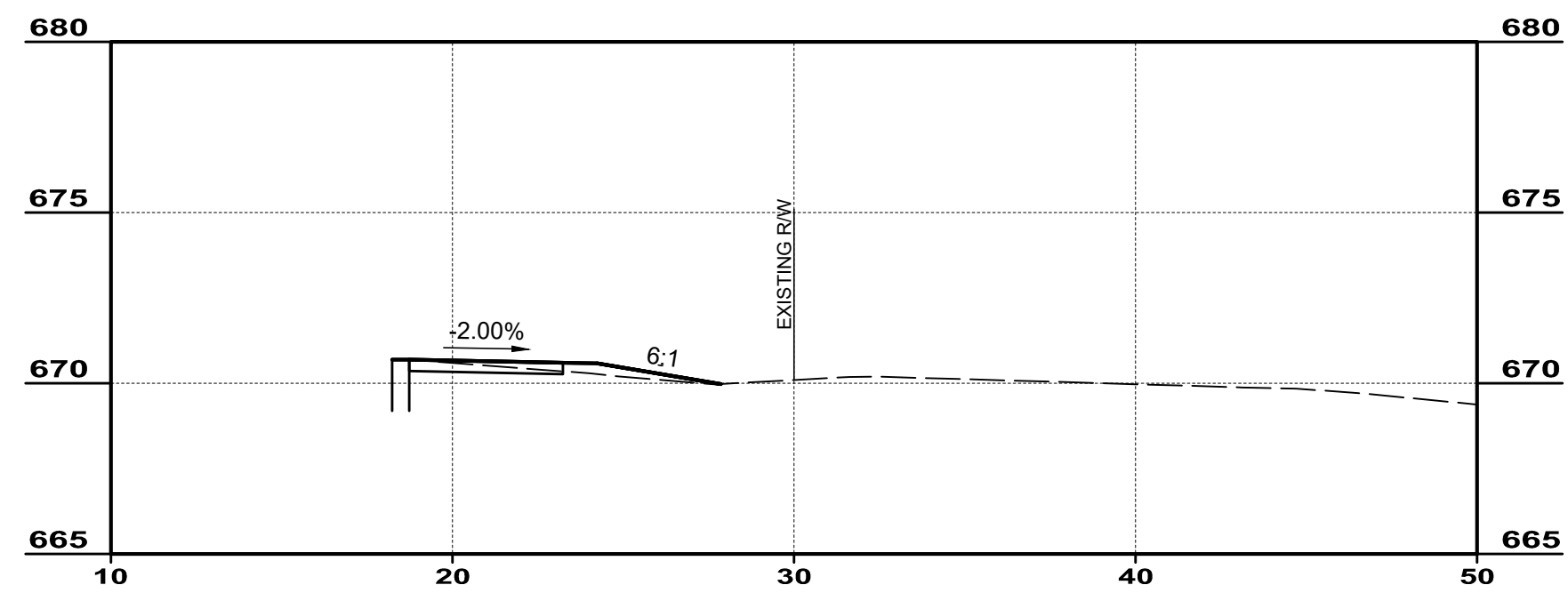
81+00.00



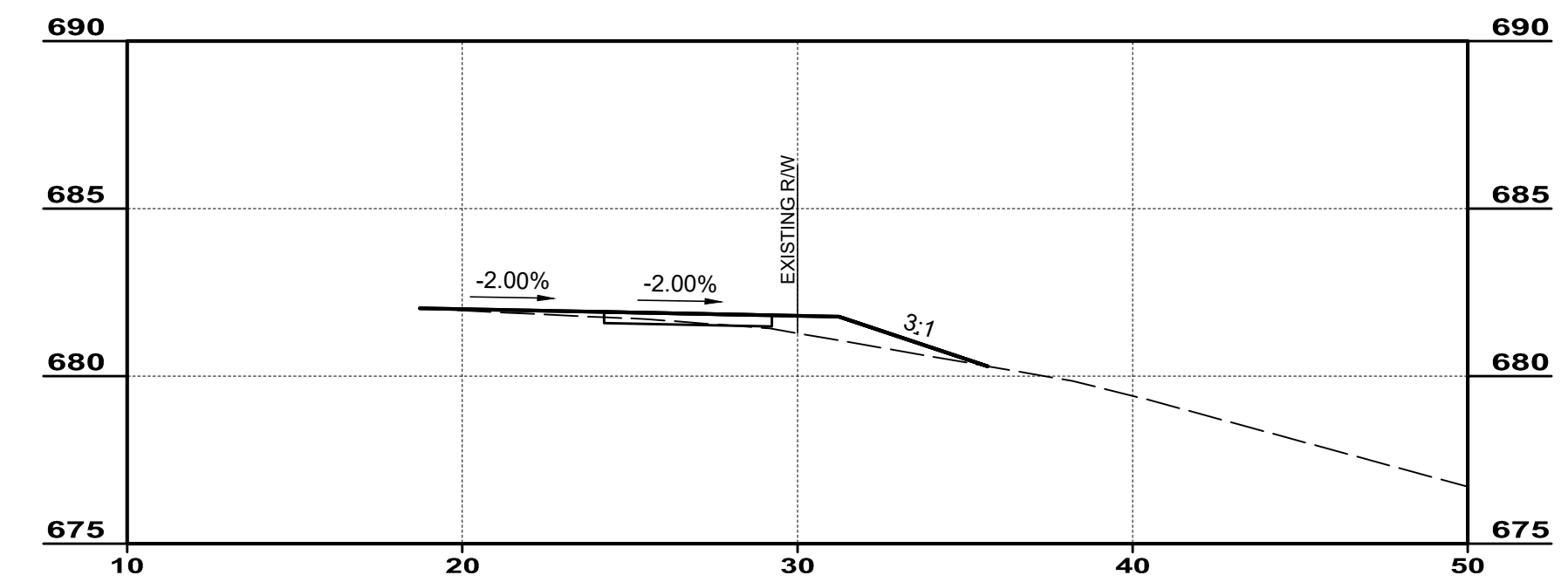
75+25.00



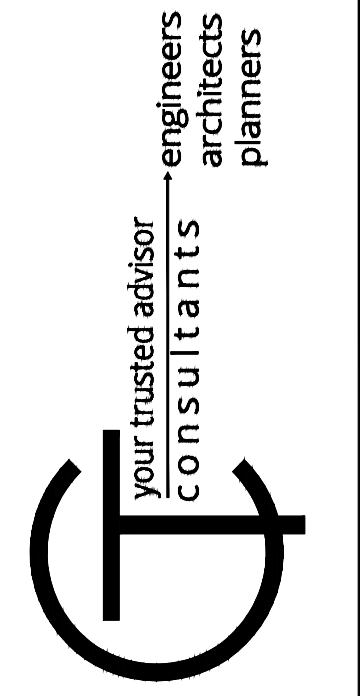
80+50.00



74+00.00



79+00.00



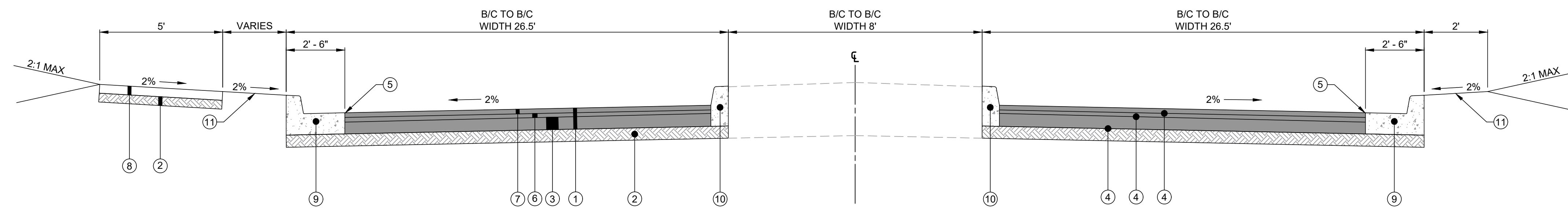
ISSUED FOR:	REVISION	DATE
ISSUE DATE:	NO	
SCALE:	AS SHOWN	
DESIGNED BY:	MLAC	
DRAWN BY:	AJAC	
CHECKED BY:	MLAC	

**GRUENINGER & SPRINGFIELD PIKE**  
 VILLAGE OF WOODLAWN  
 HAMILTON COUNTY, OHIO

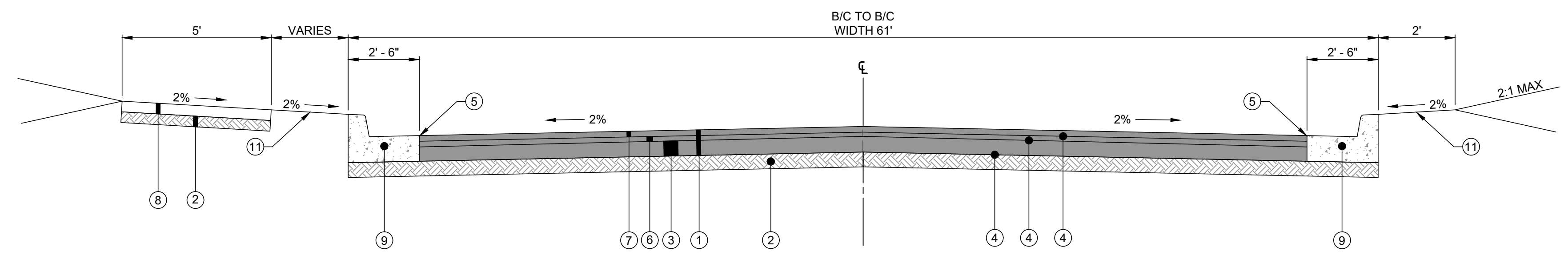
**TYPICAL CROSS SECTIONS STA. 74+00 - STA. 82+00**

PROJECT NO.	220840
DISCIPLINE	CIVIL
SHEET NAME	SECT3
SHEET	OF
17	20



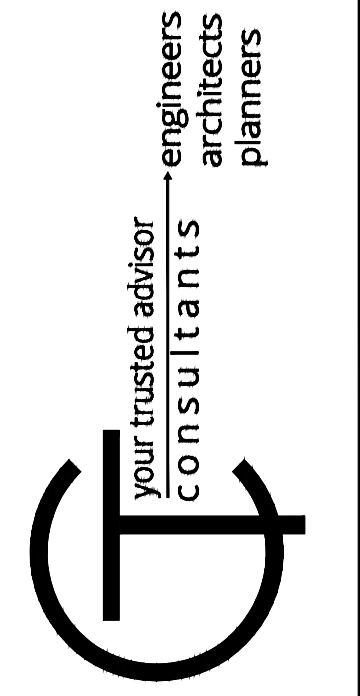


**GUENINGER WAY ISLAND TYPICAL SECTION**  
NTS

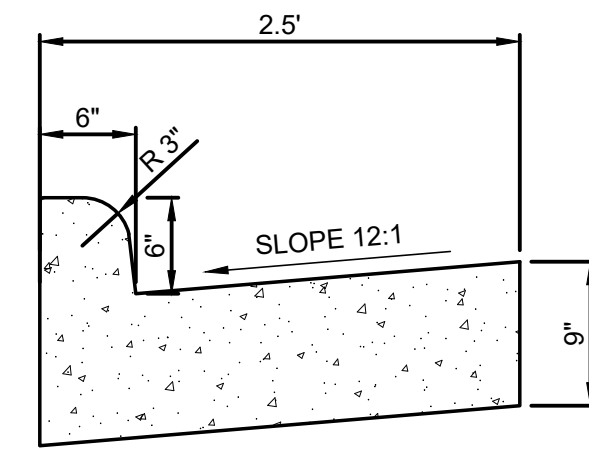


**GUENINGER WAY TYPICAL SECTION**  
NTS

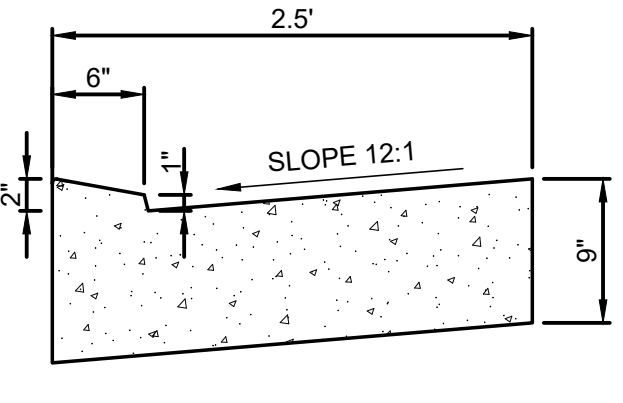
- ① ITEM 202 - EXISTING CONCRETE PAVEMENT TO BE REMOVED TO BASE
- ② ITEM 204 - COMPACTED SUBGRADE
- ③ ITEM 301 - 6" ASPHALT CONCRETE BASE
- ④ ITEM 407 - TRACKLESS TACK COAT (0.1 GAL / SY)
- ⑤ ITEM 423 - SEALED PAVEMENT EDGE
- ⑥ ITEM 441 - 1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG 64-22
- ⑦ ITEM 441 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22
- ⑧ ITEM 608 - 5" CONCRETE WALK
- ⑨ ITEM 609 - TYPE 2 CURB AND GUTTER, DEPRESSED AT DRIVEWAY
- ⑩ ITEM 609 - TYPE 6 CURB
- ⑪ ITEM 659 - GRADING, TOP SOIL, SEED AND MULCH



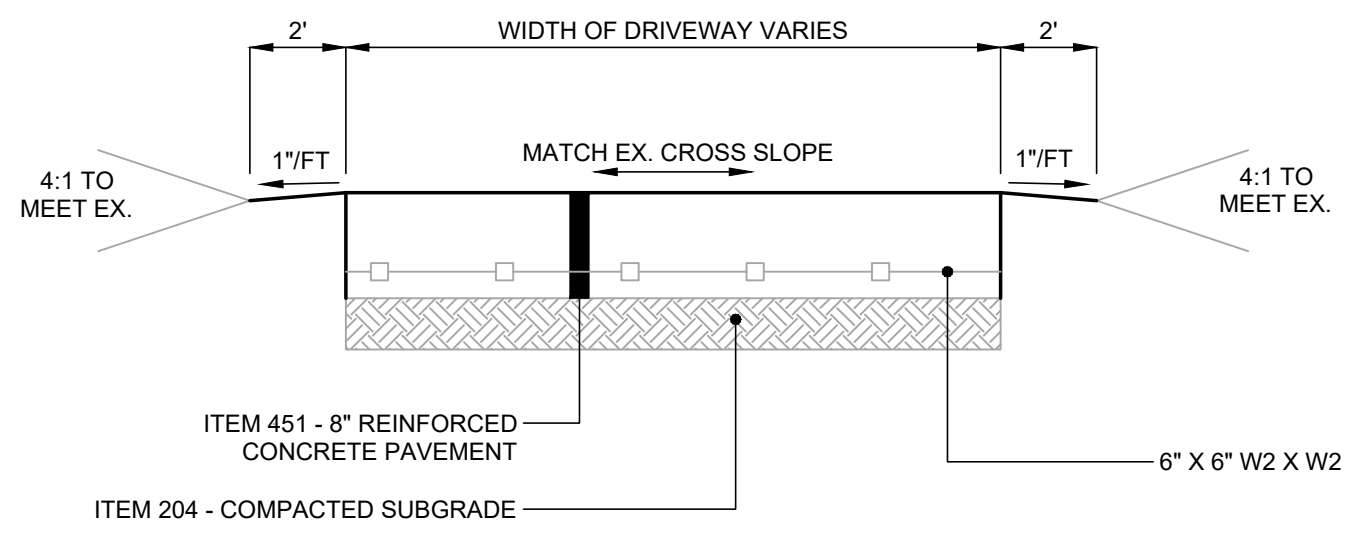
NO.	REVISION	DATE



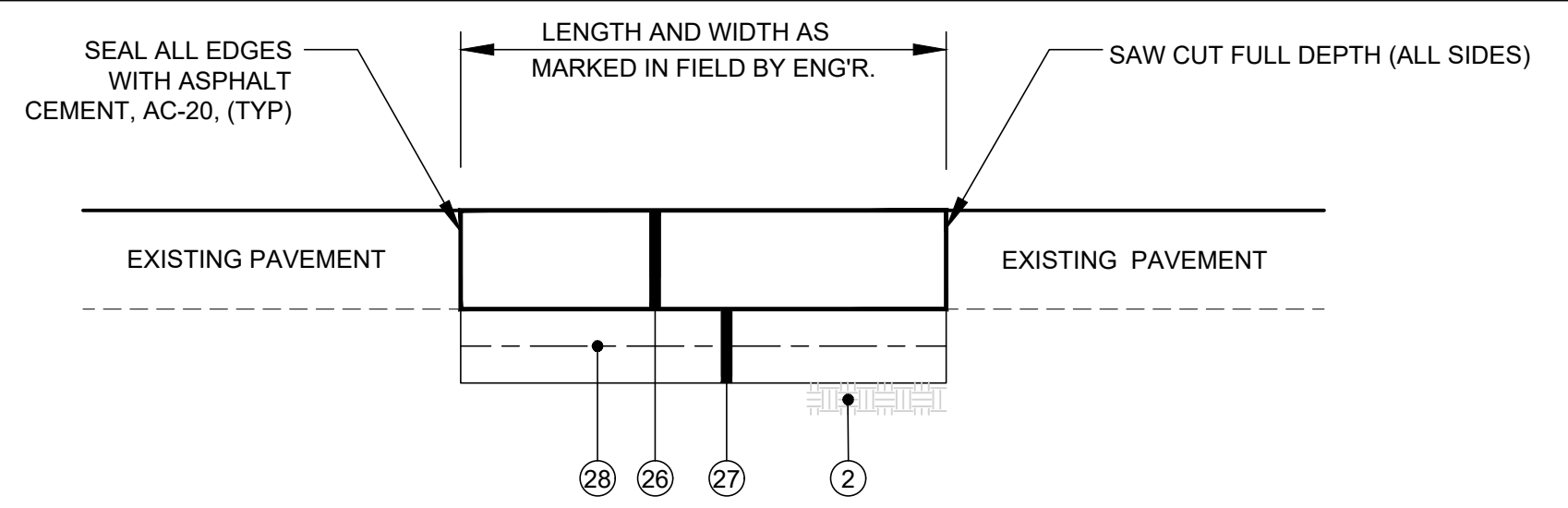
**ITEM 609 - TYPE 2, AS PER PLAN**  
NTS



**ODOT TYPE 4 DEPRESSED CURB**  
NTS

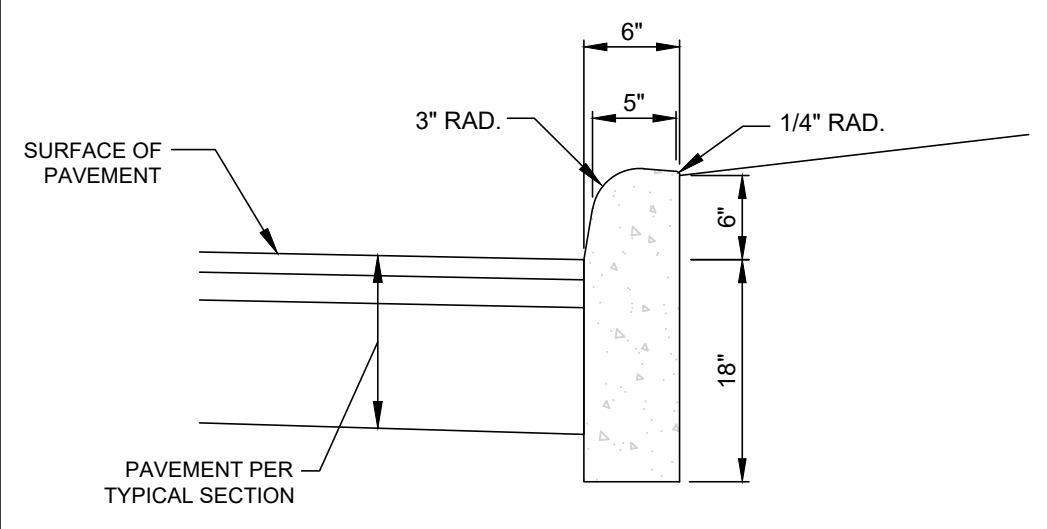


**ITEM 451 - REINFORCED CONCRETE SLAB**  
NTS



- NOTES:**
- THE FINAL AREAS TO BE REPAIRED UNDER THIS ITEM WILL BE DESIGNATED IN THE FIELD BY THE ENGINEER AND THE QUANTITY OF WORK TO BE COVERED UNDER THIS ITEM WILL BE BASED UPON MEASUREMENT OF THESE DESIGNATED AREAS.

**ITEM 204 - SUBGRADE STABILIZATION WITH GEOGRID**  
NTS

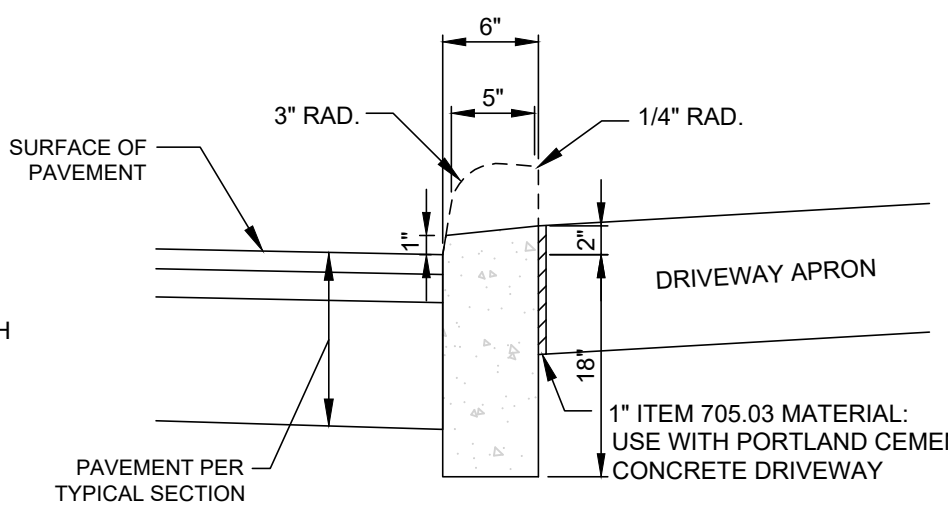


**FULL HEIGHT**

**NOTE:**  
TO BE CONSTRUCTED IN ACCORDANCE WITH ODOT CMS ITEM 609 EXCEPT AS MODIFIED BY THE FOLLOWING.

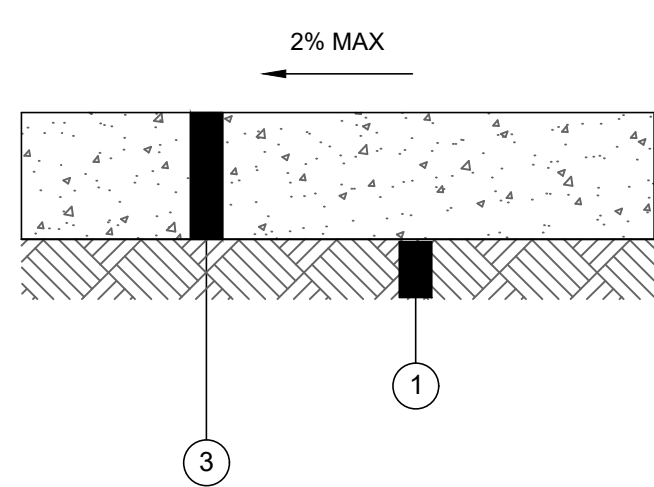
**PROPOSED CURB NOTES:**

- CONTRACTOR SHALL FILL BEHIND CURB TO TOP OF CURB WITH TOPSOIL AND RESTORE YARD WITH TOPSOIL AND/OR SEEDING AND MULCHING WHICH SHALL BE INCIDENTAL TO ITEM 609.
- MAXIMUM SPACING OF EXPANSION JOINTS IS FORTY (40) FEET AND THE MAXIMUM SPACING FOR CONTRACTION JOINTS IS TEN (10) FEET.
- CONCRETE SHALL BE 4000 PSI AT 28 DAYS WITH 5% MIN. TO 8% MAX. ENTRAINED AIR.
- ALL COSTS ASSOCIATED WITH THE INSTALLATION OF THE CURB (INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS) SHALL BE INCLUDED IN ITEM 609 - TYPE 6 CURB, AS PER PLAN.



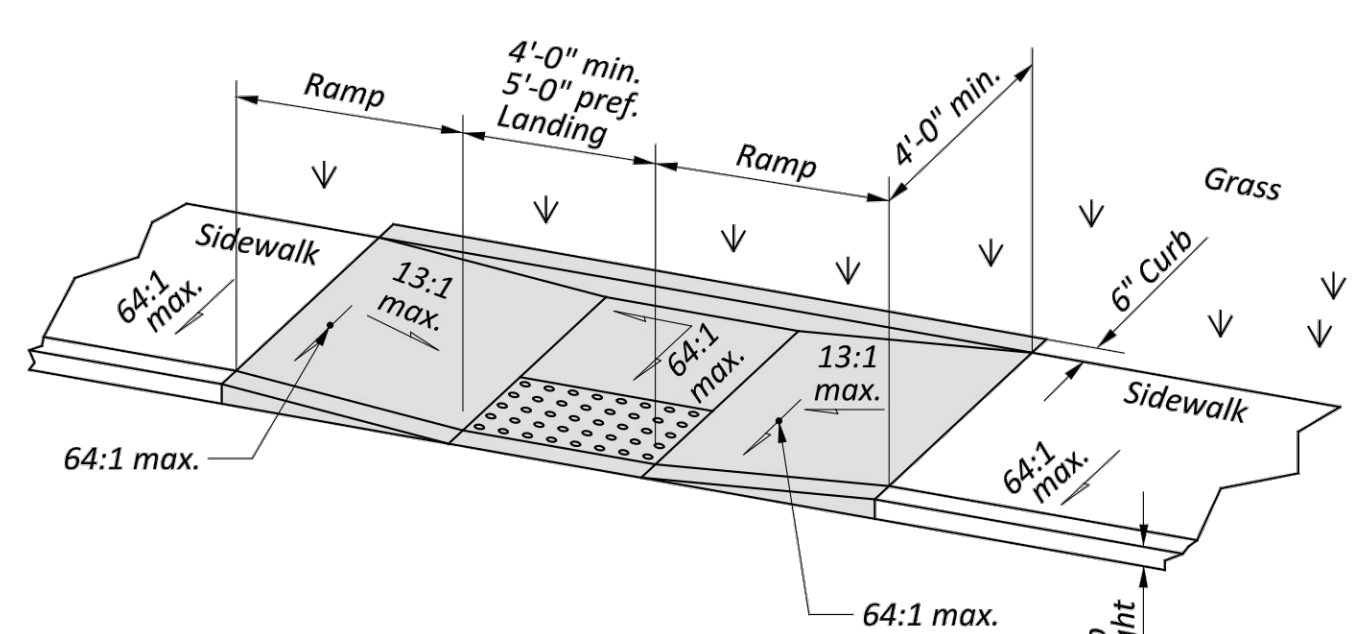
**DEPRESSED**

**ITEM 609 - TYPE 6, AS PER PLAN**  
NTS

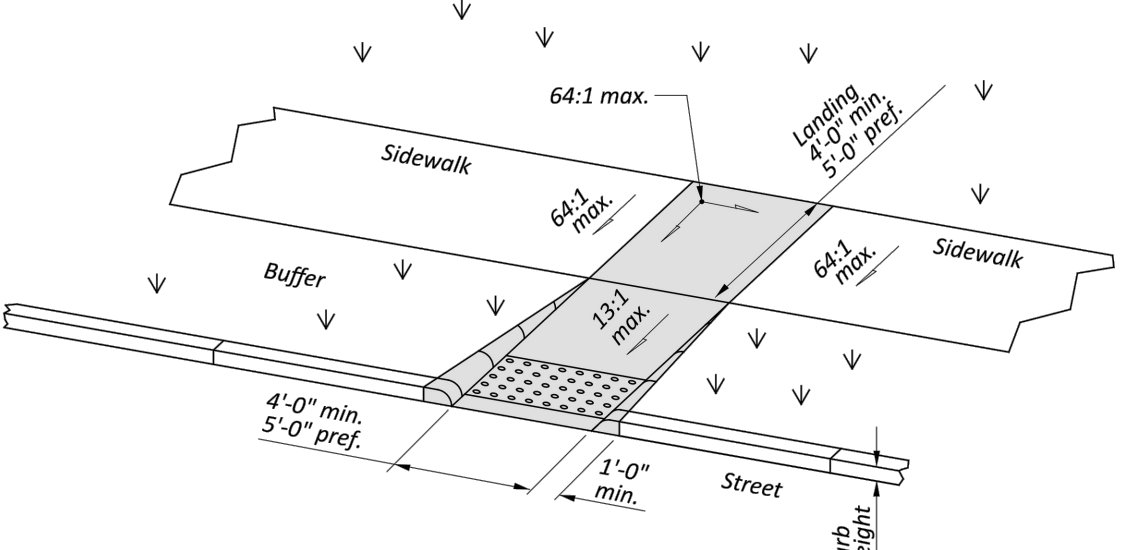


- ① ITEM 204 - SUBGRADE COMPACTION
- ② ITEM 604 - 5" CONCRETE WALK

**ITEM 608 - TYPICAL SIDEWALK**  
NTS



**Type B2 (Double sided Parallel)**



**Type A2 (Perpendicular with returned curb)**

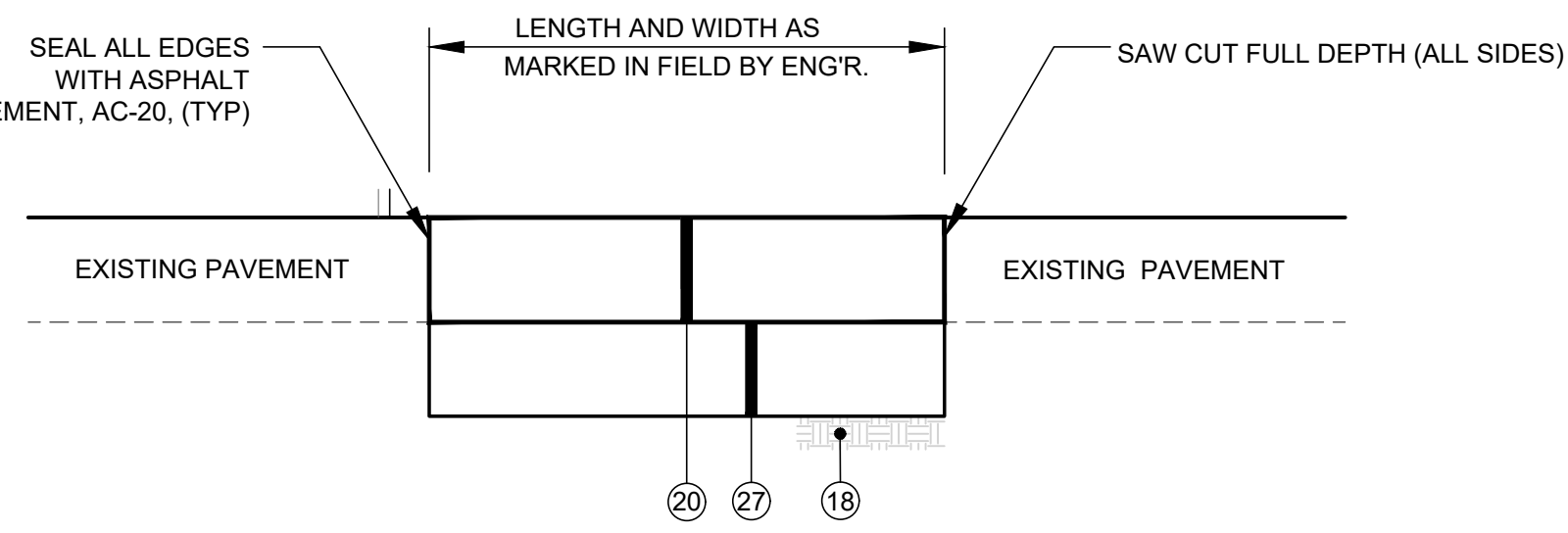
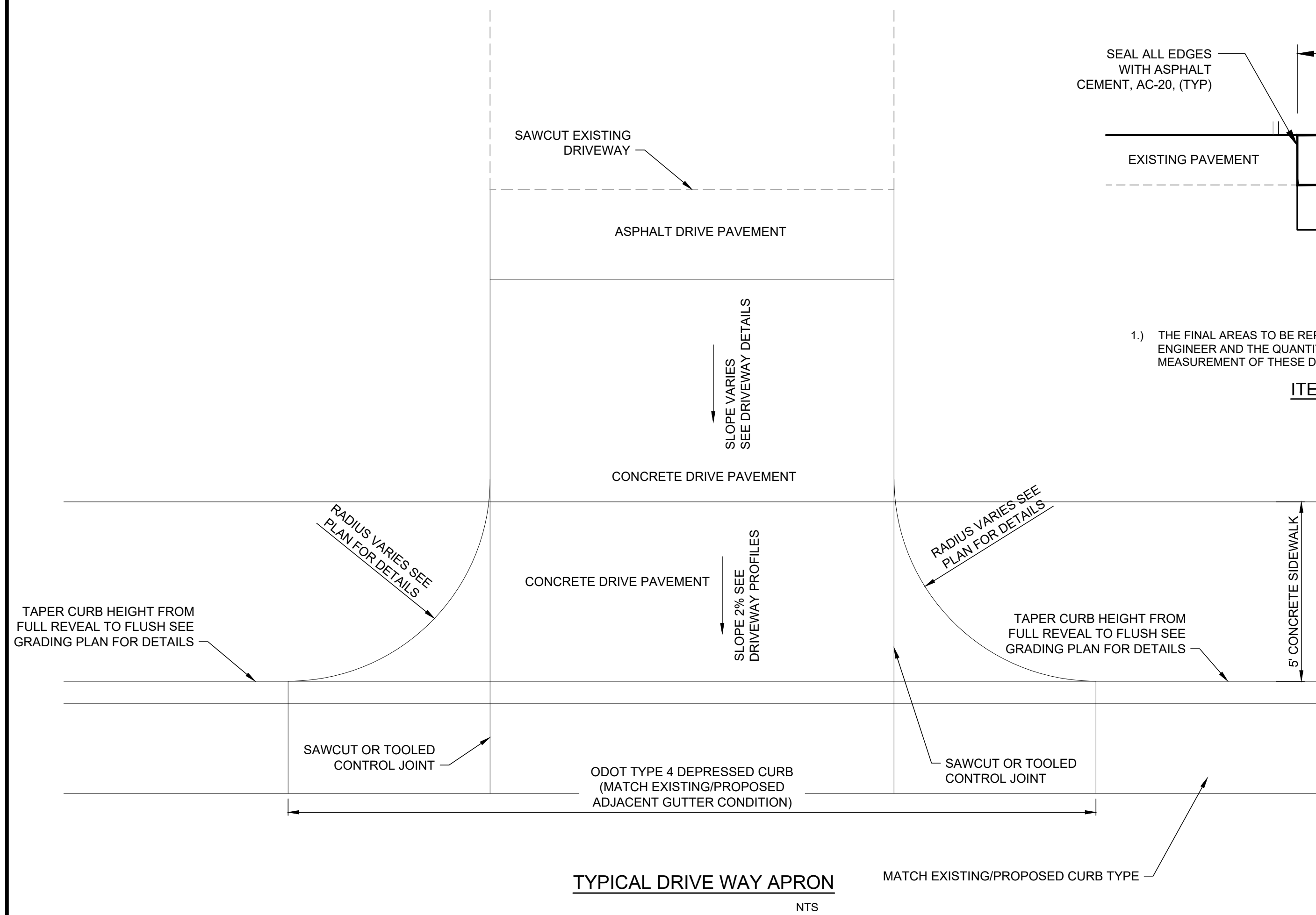
**NOTES CONTINUED**

- The running slope of the curb ramp shall be a 13:1 maximum or flatter. In existing sidewalks, where the maximum ramp slope is not feasible due to site constraints (e.g. utility poles or vaults, right-of-way limits) it may be reduced as follows:
- A) 10:1 for a max. rise of 6".
  - B) 8:1 for a max. rise of 3".
  - C) 6:1 over a max. run of 2'-0" for historic areas where a flatter slope is not feasible.
- To prevent chasing the grade indefinitely, the transition from existing sidewalk to the shaded curb ramp area is not required to exceed 15 feet in length.
- While ramps may be skewed to the crosswalk, the entire lower landing area must fall within the crosswalk that the ramp serves and cannot be located in the traveled lane of opposing traffic.
- The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transitions shall be 20:1 or flatter.
- The bottom edge of the ramp shall change planes perpendicular to the landing.
- The edge of the curb shall be flush with the edge of the adjacent pavement and gutter and surface slopes that meet grade breaks shall also be flush.
- Ramp landings shall be 4' min. x 4' min. with a 64:1 or flatter cross slope and running slope.
- Provide 24" wide level strip if the algebraic difference between the ramp slope and the street exceeds 11%.
- DETECTABLE WARNINGS:** Install Detectable Warnings on each curb ramp with approved materials, as shown on Sheet 3. Install these proprietary products as per manufacturer's written instructions.
- DRAINAGE:** Contractor is to ensure the base of each constructed curb ramp allows for proper drainage, without exceeding allowable cross slope or ramp slopes. Vertical change in level exceeding 1/8" between the 1) pavement and gutter, and 2) gutter and ramp, are not allowed.
- SURFACE TEXTURE:** Texture concrete surfaces by coarse brooming transverse to the ramp slopes to be rougher than the adjacent walk.
- JOINTS:** Provide expansion joints in the curb ramp as extensions of walk joints and consistent with Item 608.03 requirements for a new concrete walk. Provide a 1/2" Item 705.03 expansion joint filler around the edge of ramps built in existing concrete walks. Lines shown on this drawing indicate the ramp edges and slope changes, and do not necessarily indicate joint lines.

**GRUENINGER & SPRINGFIELD PIKE**  
VILLAGE OF WOODLAWN  
HAMILTON COUNTY, OHIO

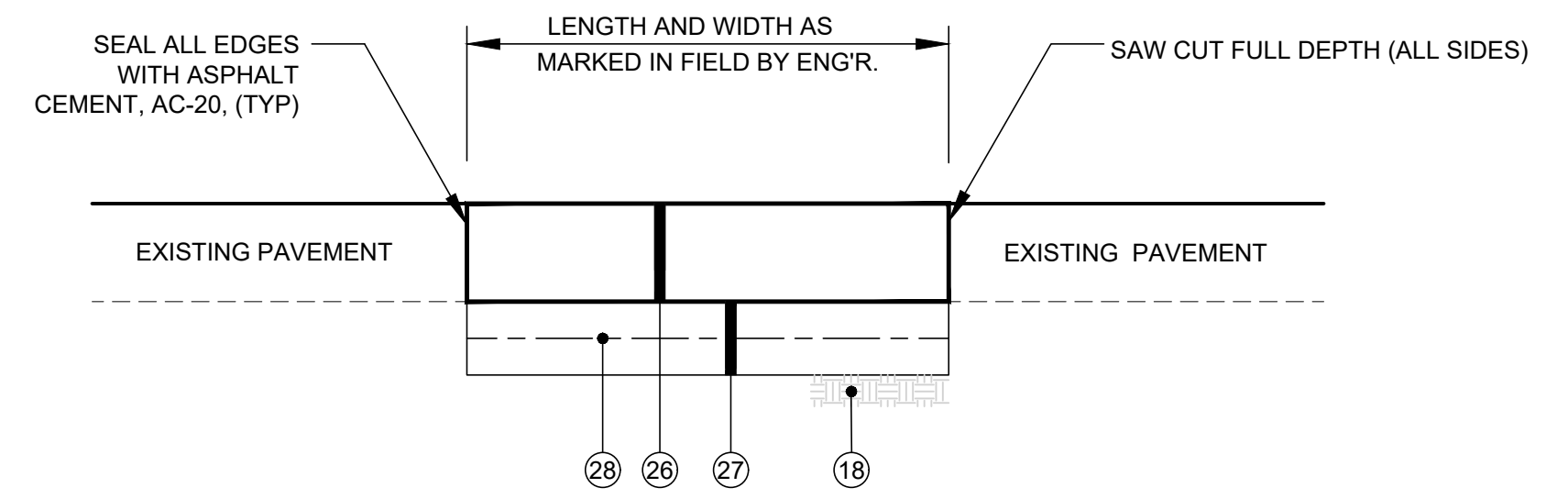
**DETAILS**

PROJECT NO.	220840
DISCIPLINE	CIVIL
SHEET NAME	DET01
SHEET	19
OF	20



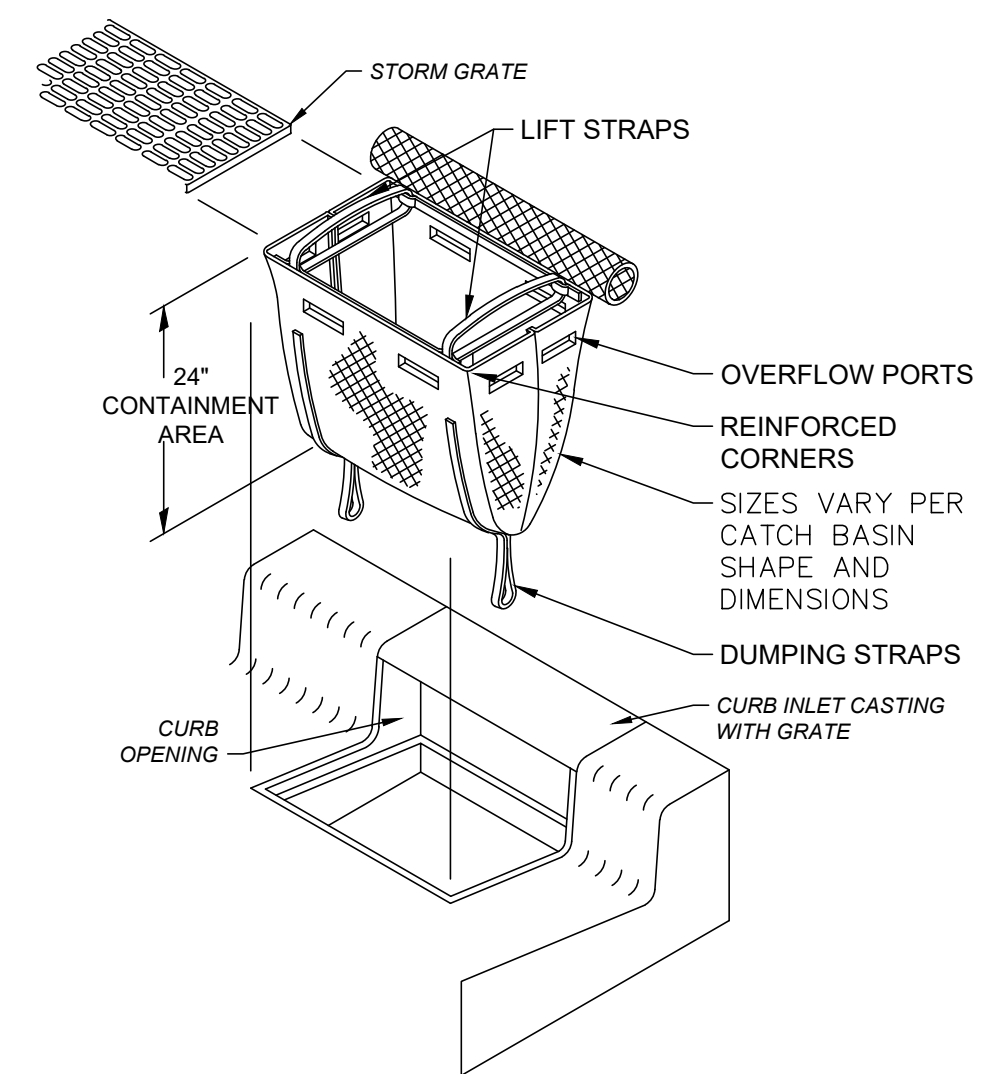
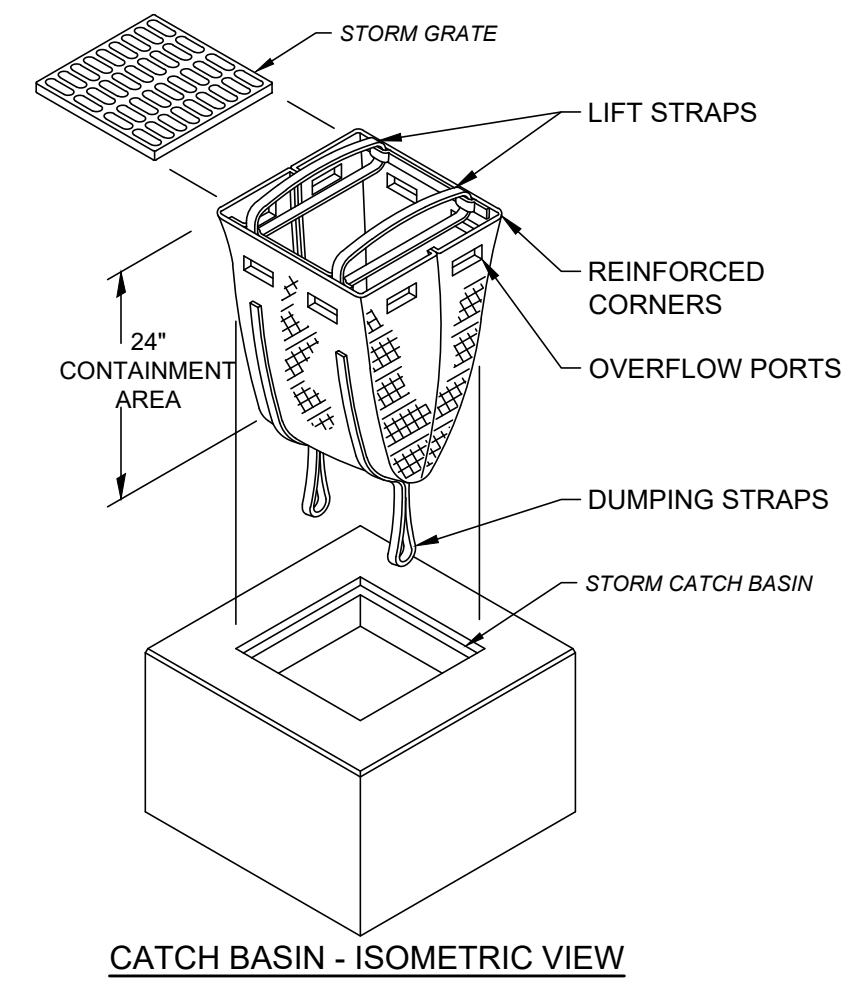
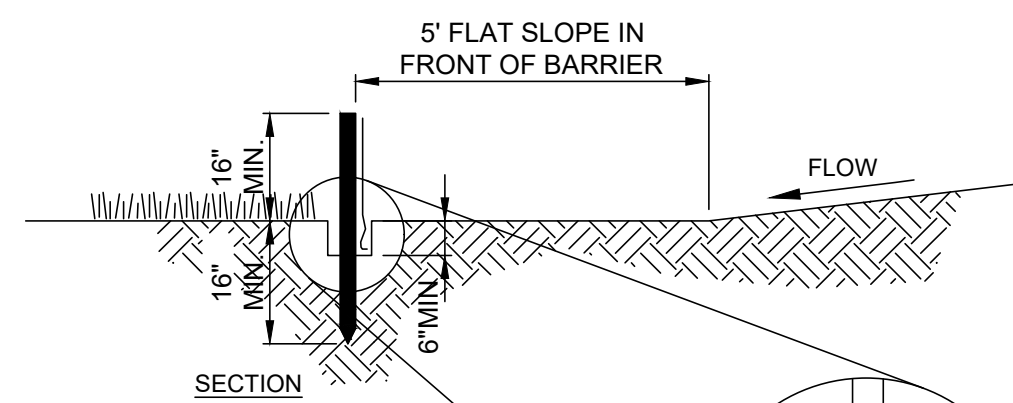
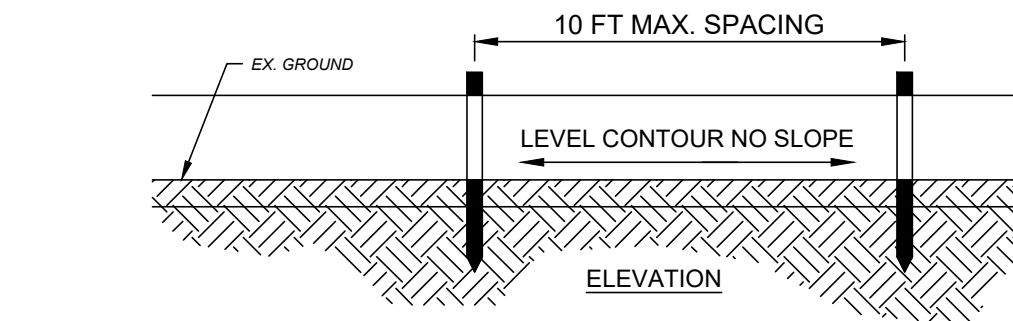
NOTES:  
1.) THE FINAL AREAS TO BE REPAIRED UNDER THIS ITEM WILL BE DESIGNATED IN THE FIELD BY THE ENGINEER AND THE QUANTITY OF WORK TO BE COVERED UNDER THIS ITEM WILL BE BASED UPON MEASUREMENT OF THESE DESIGNATED AREAS.

ITEM 253 - PAVEMENT REPAIR  
NTS



NOTES:  
1.) THE FINAL AREAS TO BE REPAIRED UNDER THIS ITEM WILL BE DESIGNATED IN THE FIELD BY THE ENGINEER AND THE QUANTITY OF WORK TO BE COVERED UNDER THIS ITEM WILL BE BASED UPON MEASUREMENT OF THESE DESIGNATED AREAS.

ITEM 204 - SUBGRADE STABILIZATION WITH GEOGRID  
NTS



STORM DRAIN INLET PROTECTION DETAIL  
SCALE: NONE

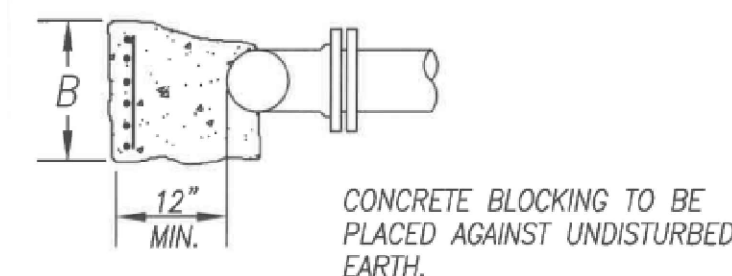
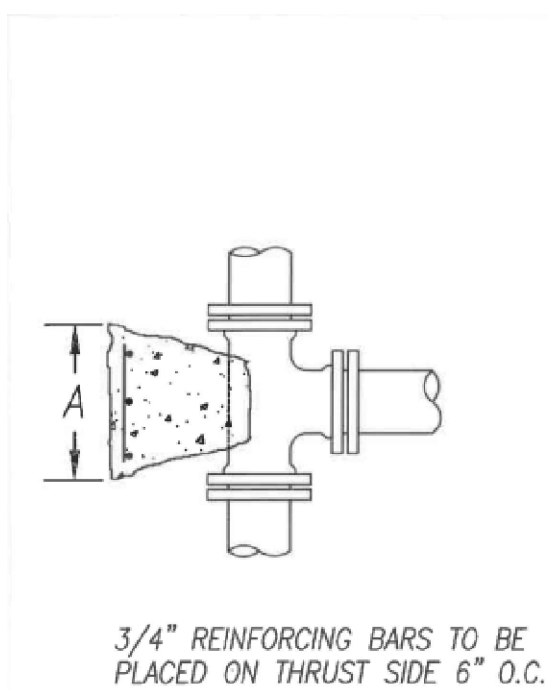
JOINING SECTIONS OF SILT FENCE

NOTES:

1. PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
2. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
  - CHANGE THE LAYOUT OF THE SILT FENCE.
  - REMOVE ACCUMULATED SEDIMENT.
  - INSTALL OTHER PRACTICES.

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

SILT FENCE  
SCALE: NONE



NOTE:  
THIS STD. DWG. SHALL BE UTILIZED FOR BLOCKING OF TEES, 90° BENDS, FIRE HYDRANTS, AND PLUGS

SIZE	75 P.S.I. & UNDER				75 P.S.I. TO 125 P.S.I.				125 P.S.I. TO 200 P.S.I.			
	A	B	CONC.	STEEL	A	B	CONC.	STEEL	A	B	CONC.	STEEL
6" 6"	1 9/8"	1 9/8"	0.1	17	2 1/8"	1 9/8"	0.1	23	2 9/8"	2 1/8"	0.2	30
8" 6"	1 5/8"	1 9/8"	0.1	17	2 1/8"	1 9/8"	0.1	23	2 9/8"	2 1/8"	0.2	30
12" 6"	1 5/8"	2 1/8"	0.2	18	2 1/8"	2 1/8"	0.2	24	2 9/8"	2 1/8"	0.2	30
16" 6"	1 5/8"	2 5/8"	0.2	23	1 5/8"	2 5/8"	0.2	23	2 1/8"	2 5/8"	0.2	30
20" 6"	1 5/8"	2 9/8"	0.2	26	1 5/8"	2 9/8"	0.2	26	1 9/8"	2 9/8"	0.2	33
8" 8"	2 1/8"	2 1/8"	0.2	24	2 5/8"	2 1/8"	0.2	28	3 1/8"	2 1/8"	0.2	32
10" 8"	2 1/8"	2 1/8"	0.2	24	2 5/8"	2 1/8"	0.2	28	3 1/8"	2 1/8"	0.2	32
12" 8"	2 1/8"	2 1/8"	0.2	24	2 5/8"	2 1/8"	0.2	28	3 1/8"	2 1/8"	0.2	32
16" 8"	2 1/8"	2 1/8"	0.2	24	2 5/8"	2 5/8"	0.3	35	3 1/8"	2 1/8"	0.2	32
20" 8"	2 1/8"	2 1/8"	0.2	24	2 5/8"	2 9/8"	0.4	35	3 1/8"	2 9/8"	0.4	39
12" 12"	3 1/8"	3 1/8"	0.5	54	4 1/8"	2 5/8"	0.4	55	4 9/8"	3 5/8"	0.7	85
16" 12"	3 1/8"	3 1/8"	0.5	54	4 1/8"	2 9/8"	0.4	55	4 9/8"	3 9/8"	0.7	88
20" 12"	3 1/8"	3 1/8"	0.5	54	4 1/8"	2 9/8"	0.6	80	4 9/8"	4 1/8"	1.0	108
20" 16"	4 1/8"	3 5/8"	0.8	84	4 9/8"	4 1/8"	1.0	108	6 1/8"	5 1/8"	1.5	180
20" 20"	4 9/8"	4 9/8"	1.1	122	5 1/8"	5 1/8"	1.4	165	7 1/8"	6 1/8"	2.0	252

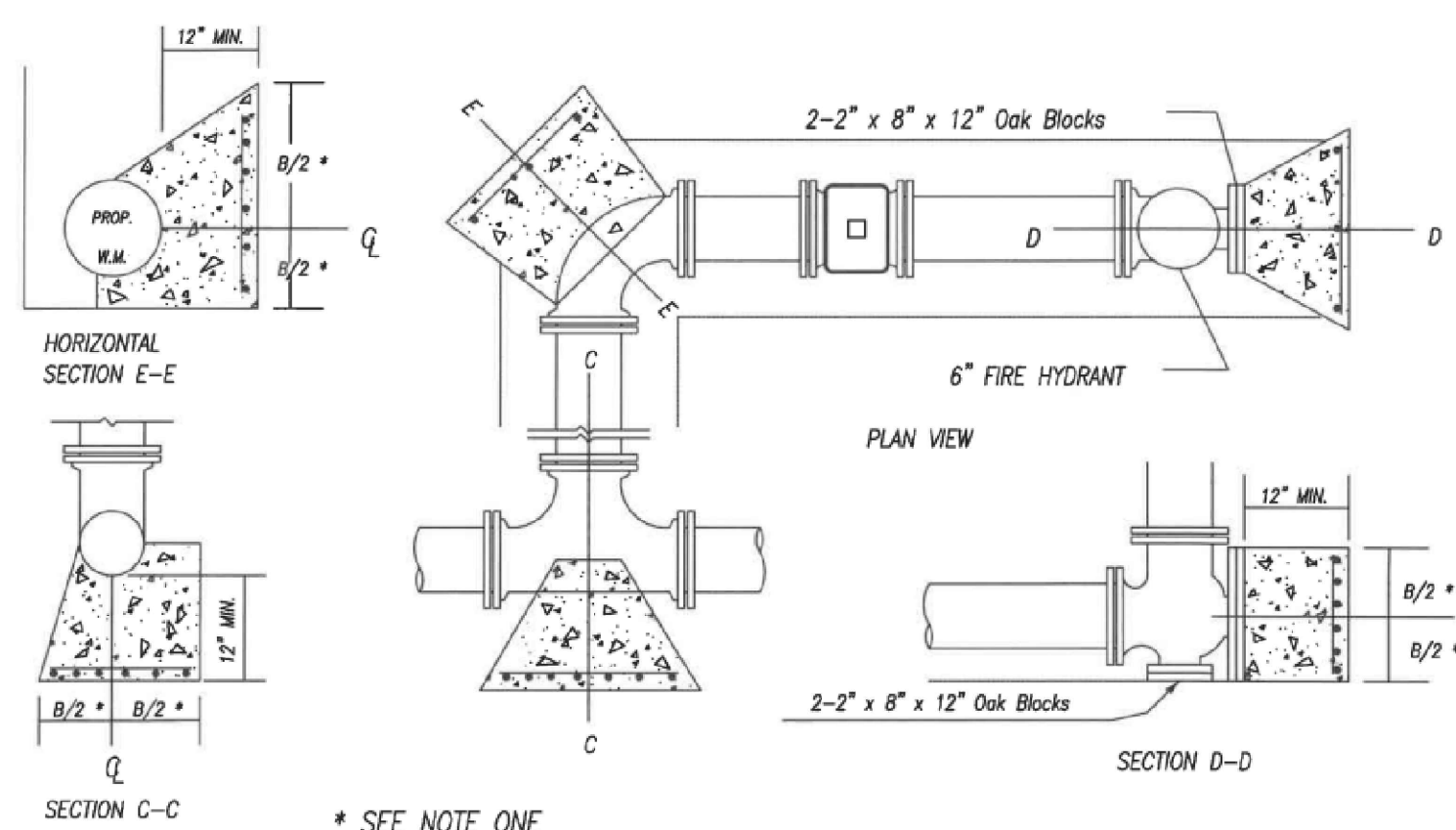
- NOTE: 1. PRESSURE RANGES AS SHOWN ARE OPERATING PRESSURES. CONCRETE AND STEEL QUANTITIES ARE CALCULATED USING OPERATING PRESSURE PLUS 50 P.S.I. FOR ESTIMATING PURPOSES ONLY.
2. CONCRETE AND STEEL QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.
3. IN LIEU OF STEEL REINFORCING BARS, THE CONTRACTOR HAS THE OPTION TO USE WELDED WIRE FABRIC SHEETS (12" X 12" - W5.8 # W5.8) @ 42 LBS. PER 100 S.F.

**GREATER CINCINNATI WATER WORKS**

CONCRETE BLOCKING FOR FITTINGS

TEES

APPROVED: [Signature] DATE: 3/4/13 STANDARD DRAWING: 101-5



NOTE:

1. REFER TO STANDARD DRAWING NO. 101-5 FOR PLACEMENT OF REINFORCING STEEL AND BLOCKING DETAILS.
2. CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH ON THE THRUST SIDE.
3. IN LIEU OF STEEL REINFORCING BARS, THE CONTRACTOR HAS THE OPTION TO USE WELDED WIRE FABRIC SHEETS (12" X 12" - W 5.8 # W 5.8) @ 42 LBS. PER 100 S.F.

**GREATER CINCINNATI WATER WORKS**

CONCRETE BLOCKING FOR FITTINGS

FIRE HYDRANT BLOCKING

APPROVED: [Signature] DATE: 3/4/13 STANDARD DRAWING: 101-7

NO.	REVISION	DATE