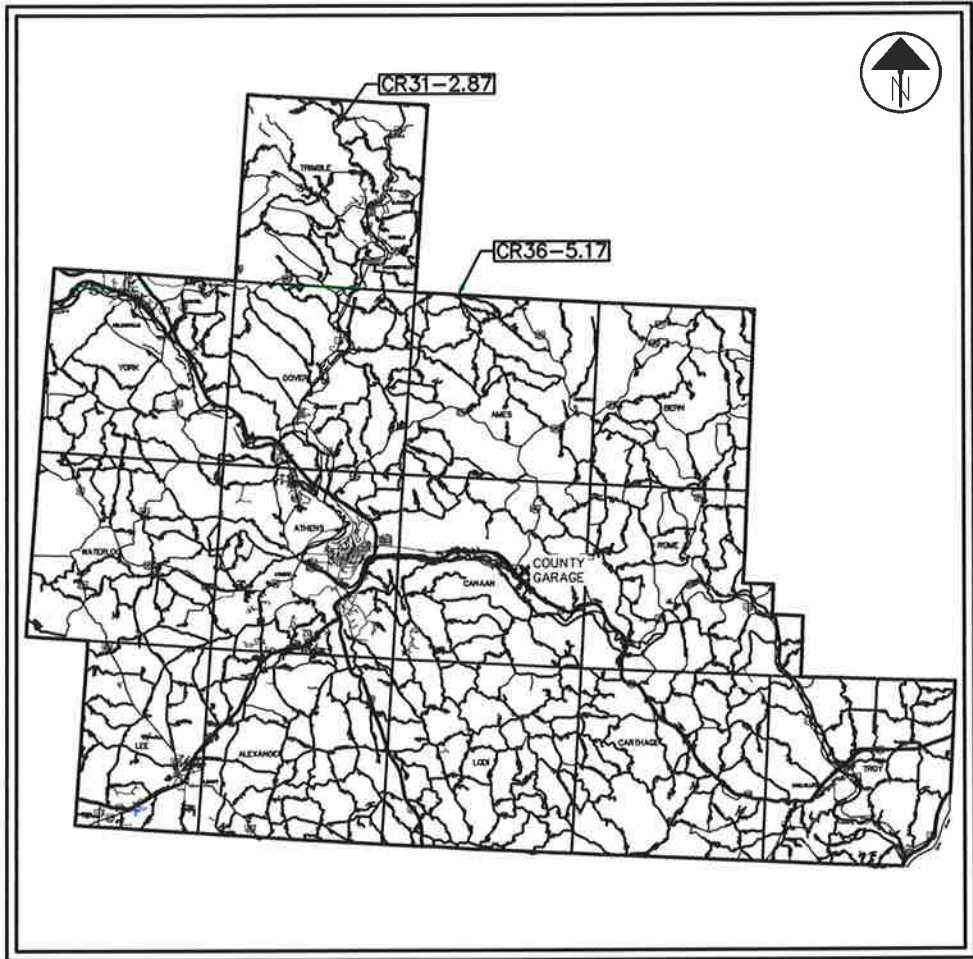


Z:\PROJECTS\ROAD Projects\Road Projects 2026\26219\_ATH-2026 OEMA Landslide Repairs Project\dwg\Plan Sets\Construction\26219\_01-CV.dwg 26-Aug-26 1:19 PM



LOCATION MAP

COUNTY GARAGE - LATITUDE: N39°19'27" LONGITUDE: W81°59'34"

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES  
CALL TWO WORKING DAYS  
BEFORE YOU DIG

CALL  
1-800-362-2764  
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND  
PROTECTION SERVICE CALL: 1-800-925-0988



PLANS PREPARED BY:  
ATHENS COUNTY ENGINEER'S OFFICE  
16000 CANAANVILLE RD  
ATHENS, OHIO 45701

# ATHENS COUNTY ENGINEER

## ATH-2026 OEMA LANDSLIDE REPAIRS

### CR31-2.87 & CR36-5.19

#### INDEX OF SHEETS:

|                                      |       |
|--------------------------------------|-------|
| TITLE SHEET                          | 1     |
| LANDSLIDE LOCATIONS MAP              | 2     |
| GENERAL NOTES                        | 3-4   |
| GENERAL SUMMARIES                    | 5     |
| CR31-2.87 - SITE PLAN & WALL PROFILE | 6     |
| CR31-2.87 - RETAINING WALL DETAILS   | 7     |
| CR36-5.19 - SITE PLAN & WALL PROFILE | 8     |
| CR36-5.19 - RETAINING WALL DETAILS   | 9     |
| PIER WALL SUMMARIES                  | 10    |
| BORING LOGS                          | 11-14 |

#### PROJECT DESCRIPTION

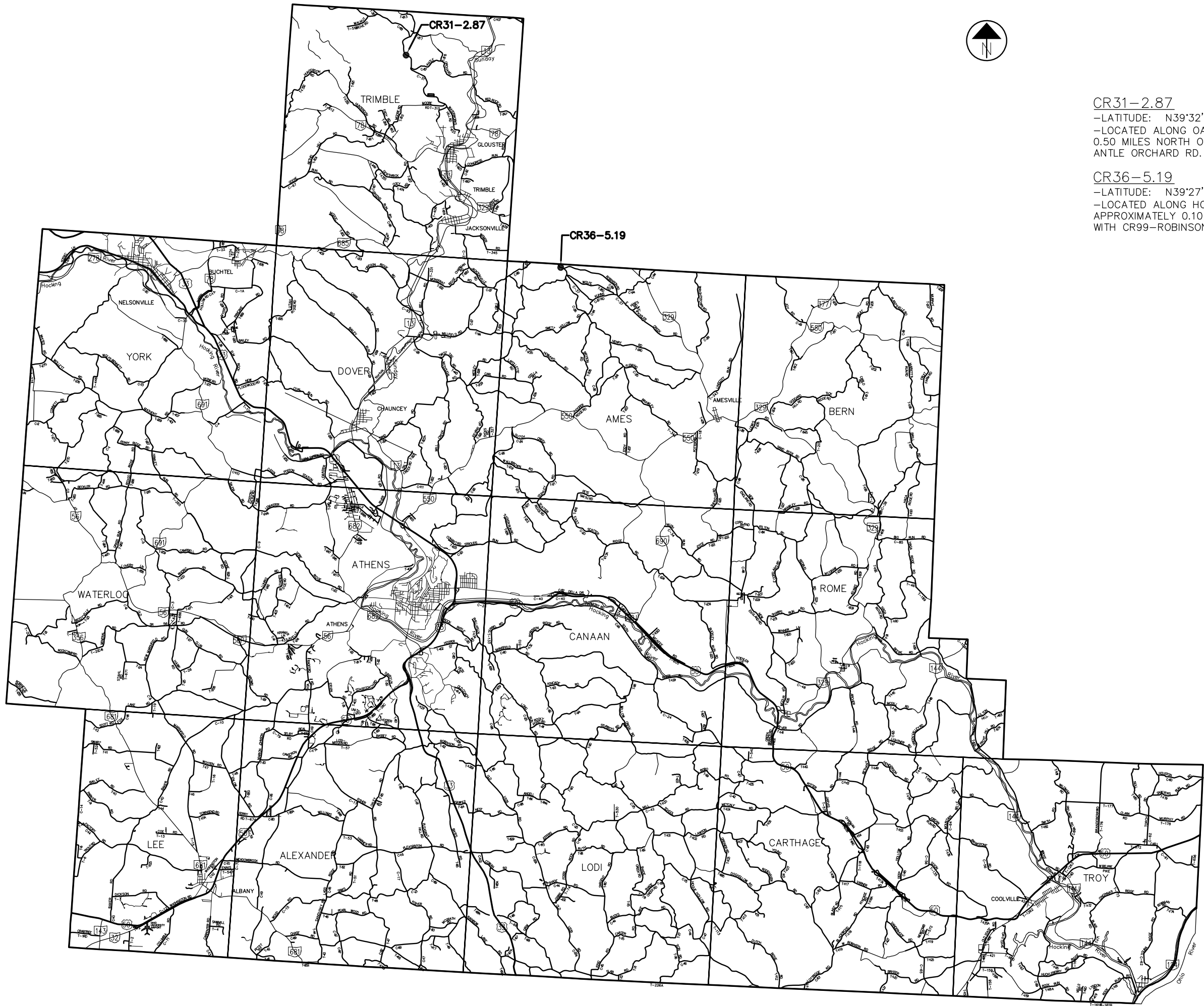
CR31-2.87 CONSISTS OF THE CONSTRUCTION OF A DRILLED PIER WALL (50 L.F.) AND GUARDRAIL ALONG OAKDALE RD (CR31) LOCATED APPROXIMATELY 0.50 MILES NORTH OF THE INTERSECTION WITH CR87-ANTLE ORCHARD RD.

CR36-5.19 CONSISTS OF THE CONSTRUCTION OF A DRILLED PIER WALL (92 L.F.) WITH PLUG PILES ALONG HOOPER RIDGE RD (CR36) LOCATED APPROXIMATELY 0.10 MILES NORTH OF THE INTERSECTION WITH CR99-ROBINSON RD.

#### 2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

| ENGINEER'S SEAL                                                                                                                                                 | STANDARD CONSTRUCTION DRAWINGS   | SUPPLEMENTAL SPECIFICATIONS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|
| <div>STATE OF OHIO<br/>Rex Jeffrey Maiden<br/>E-51405<br/>REGISTERED PROFESSIONAL ENGINEER</div> <div>SIGNED: <i>Rex Jeffrey Maiden</i><br/>DATE: 9/04/26</div> | DM-1.1 7-17-26 MT-97.10 7-18-25  | SS-800 7-17-26              |
|                                                                                                                                                                 | DM-1.2 1-17-25 MT-101.60 1-17-25 | SS-832 7-17-26              |
|                                                                                                                                                                 | MT-101.70 7-19-24                |                             |
|                                                                                                                                                                 | MT-105.10 1-17-20                |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 | MGS-2.1 7-17-26                  |                             |
|                                                                                                                                                                 | MGS-4.2 7-17-26                  |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 |                                  |                             |
|                                                                                                                                                                 |                                  |                             |



CR31-2.87  
-LATITUDE: N39°32'15.56" LONGITUDE: W82°6'18.17"  
-LOCATED ALONG OAKDALE RD (CR31) APPROXIMATELY  
0.50 MILES NORTH OF THE INTERSECTION WITH CR87-  
ANTLE ORCHARD RD.

CR36-5.19  
-LATITUDE: N39°27'27.56" LONGITUDE: W82°01'49.83"  
-LOCATED ALONG HOOPER RIDGE RD (CR36)  
APPROXIMATELY 0.10 MILES NORTH OF THE INTERSECTION  
WITH CR99-ROBINSON RD.

|            |
|------------|
| CALCULATED |
| GJM        |
| CHECKED    |
| DES        |

LANDSLIDE LOCATIONS MAP

ATH-2026 OEMA  
LANDSLIDE REPAIRS

CONTRACT SPECIFICATIONS  
THE JANUARY 1, 2023 VERSION OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AS PUBLISHED BY THE OHIO DEPARTMENT OF TRANSPORTATION SHALL GOVERN ALL ASPECTS OF THE CONTRACT WORK. THE CONTRACTOR SHOULD BE FAMILIAR WITH THESE SPECIFICATIONS AND THEIR PROCEDURAL REQUIREMENTS.

STANDARD DRAWINGS  
REFERENCE SHOULD BE MADE TO THE STANDARD DRAWINGS SHOWN IN THE TABLE ON THE COVER SHEET.

O.U.P.S CALL:  
THE CONTRACTOR IS RESPONSIBLE FOR CALLING THE OHIO UTILITIES PROTECTION SERVICE AT LEAST TWO DAYS BEFORE DIGGING. THE TOLL–FREE NUMBER IS (800) 362–2764.

UTILITIES  
LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

|               |                                                                                                                 |               |
|---------------|-----------------------------------------------------------------------------------------------------------------|---------------|
| (1) ELECTRIC  | AMERICAN ELECTRIC POWER<br>9135 SR 682<br>ATHENS, OHIO 45701<br>CONTACT: CHRIS McDANIELS<br>PHONE: 740–532–9927 | CR 31 & CR 36 |
| (2) TELEPHONE | FRONTIER COMMUNICATIONS<br>333 ELM ST<br>LOGAN, OHIO 43138<br>CONTACT: ALLISON GRAY<br>PHONE: 740–249–5219      | CR 36         |
| (3) GAS       | TENNESSEE GAS<br>2335 US–50<br>ALBANY, OHIO 45710<br>PHONE: 740–698–4951                                        | CR 36         |
| (4) WATER     | OAKDALE WATER<br>P.O. BOX 104<br>GLOUSTER, OHIO 45732<br>CONTACT: BOB LOWER<br>PHONE: 740–590–1908              | CR 31         |
|               | SUNDAY CREEK VALLEY WATER<br>15945 SECOND ST<br>MILLFIELD, OHIO 45761<br>PHONE: 740–797–2566                    | CR 36         |

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITY LINES  
ALL EXPENSES INVOLVED IN RELOCATING (INSTALLING) THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE UTILITY(IES). THE CONTRACTOR AND UTILITY ARE TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

WORK LIMITS  
ALL PHYSICAL WORK SHALL BE COMPLETED WITHIN THE COUNTY RIGHT–OF–WAY ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ELEVATION DATUM  
ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1988(NAVD 88) AND THE GEOID 18. HORIZONTAL POSITIONS ARE BASED ON THE OHIO STATE PLANE SOUTH ZONE 3402.

CONTINGENCY QUANTITIES  
THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

ROAD CLOSED/MAINTENANCE OF TRAFFIC  
THE COUNTY ROADS WILL BE CLOSED FOR A MAXIMUM OF 30 DAYS FOR EACH SITE. LOCAL TRAFFIC WILL BE DETOURED.

ITEM 614 – MAINTAINING TRAFFIC  
THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48" X 30" – "ROAD CLOSED" SIGNS, SIGN SUPPORTS, BARRICADES, GATES, AND LIGHTS, AS DETAILED IN STANDARD CONSTRUCTION DRAWING MT–101.60 AT LOCATIONS NEAR THE SLIPS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC.

THE ATHENS COUNTY ENGINEER WILL PROVIDE THE SIGNS FOR THE DETOUR ROUTE, AND WILL MAINTAIN THE DETOUR SIGNS.

ITEM 659 – SEEDING AND MULCHING  
SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE EASEMENT LINES. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 201 – CLEARING AND GRUBBING  
CONTRACTORS SHOULD INSPECT THE AREAS WHERE THE RETAINING WALLS ARE TO BE CONSTRUCTED TO FIND THE BULK OF THIS WORK. SPECIFIC TREES TO BE REMOVED HAVE NOT BEEN DENOTED ON THESE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE SCOPE OF WORK REQUIRED TO CLEAR THE AREAS NEEDED TO CONSTRUCT THE VARIOUS ELEMENTS OF THIS PROJECT.

ITEM 203 – EARTHWORK  
THIS ITEM INCLUDES COST OF ALL LABOR, EQUIPMENT, AND MATERIAL TO PERFORM AND COMPLETE ANY ADDITIONAL EXCAVATION AND EMBANKMENT TO COMPLETE THIS PROJECT INVOLVING RETAINING WALL CONSTRUCTION AND ROAD REPAIR. ALL EMBANKMENT UNDER ROADWAY SHALL BE GRANULAR PER ITEM 203 IN THE ODOT CMS.

UNCLASSIFIED EXCAVATION  
THIS ITEM CONSISTS OF EXCAVATING A BENCH IN ORDER TO CONSTRUCT THE DRILLED SHAFTS OR SHEET PILE WALL, AND PLACING A COMPACTED FILL AFTER THE WALL IS CONSTRUCTED. CONTRACTOR SHALL COMPACT THE FILL BEHIND THE WALL USING EITHER A VIBRATORY "HO–PAC" OR SIMILAR COMPACTION DEVICE.

ITEM 518 – POROUS BACKFILL WITH FILTER FABRIC  
POROUS BACKFILL, 2' MAXIMUM THICKNESS, WILL BE PLACED BEHIND THE CONCRETE LAGGING. IT WILL EXTEND FROM THE BOTTOM OF THE LAGGING TO WITHIN 2 FEET OF THE FINISH GRADE SURFACE. FILTER FABRIC WILL BE PLACED AROUND THE POROUS BACKFILL.

ITEM 507 – STEEL PILES, MISC.: SOLDIER PILES HP10x42 AND HP12x74  
THIS WORK CONSISTS OF FURNISHING AND PLACING STEEL SOLIDER PILES INTO DRILLED HOLES. FURNISH SOLDIER PILES CONSISTING OF STRUCTURAL STEEL MEMBER THAT MEET THE PLAN REQUIREMENTS AND CONFORM TO ASTM A572, GRADE 50. THE HP 12x74 SOLDIER PILES SHALL HAVE A COAL TAR EPOXY COATING. DO NOT FIELD WELD OR SPLICE SOLDIER PILES; WITH PANEL SEATS BEING THE EXCEPTION.

MEASUREMENT FOR PAYMENT WILL BE LIMITED TO THE DISTANCE BETWEEN THE TOP OF WALL ELEVATION AND THE BOTTOM OF THE DRILLED SHAFT, AS DETERMINED BY THE ENGINEER. THE DEPARTMENT WILL PAY FOR SOLDIER PILES AT THE CONTRACT UNIT PRICE PER FOOT OF ITEM 507 – STEEL PILES, MISC.: SOLDIER PILES – HP10x42 OR HP12x74.

ITEM 530 – STRUCTURE, MISC.: PRECAST CONCRETE PANEL  
THIS WORK CONSISTS OF FURNISHING AND PLACING PRECAST REINFORCED CONCRETE PANELS BETWEEN THE SOLDIER PILES TO FUNCTION AS LAGGING FOR THE RETAINING WALL. PROVIDE PRECAST CONCRETE LAGGING FROM A PRECAST CONCRETE MANUFACTURER CERTIFIED UNDER SUPPLEMENT 1073. PROVIDE CONCRETE WITH A 28–DAY DESIGN STRENGTH OF AT LEAST 4000 PSI ACCORDING TO CMS 499. PROVIDE EPOXY COATED REINFORCING STEEL ACCORDING TO CMS 709.00. IN LIEU OF EPOXY COATING, A CORROSION INHIBITING CONCRETE ADMIXTURE MAY BE USED AT THE SPECIFIED DOSAGE RATE. A QUALIFIED PRODUCT LIST OF CORROSION INHIBITING ADMIXTURES IS ON FILE AT THE LABORATORY. MANUFACTURERS SHOULD RECOGNIZE THAT THE CORROSION INHIBITOR MAY AFFECT THE STRENGTH, ENTRAINED AIR CONTENT, WORKABILITY, ETC. OF THEIR CONCRETE MIXES. THE MANUFACTURER'S CHOICE TO USE ONE OF THE THESE CORROSION INHIBITORS DOES NOT ALLEVIATE MEETING ALL DESIGN REQUIREMENTS. DO NOT ALLOW THE DIMENSIONS OF THE REINFORCING STEEL TO VARY BY MORE THAN 1/4 INCH. PERMANENTLY MARK EACH PANEL TO INDICATE THE FACE TO BE PLACED AGAINST THE SOIL. PLACE THE PANEL BETWEEN THE FLANGES OF THE SOLIDER PILES AND BEARING AGAINST THE FLANGES ON THE EXPOSED SIDE OF THE WALL.

THE DEPARTMENT WILL PAY FOR PRECAST LAGGING AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 530 – STRUCTURE, MISC.: PRECAST CONCRETE LAGGING.

ITEM 524 – DRILLED SHAFTS, 24" AND 30" DIAMETER AS PER PLAN

THIS WORK CONSISTS OF FURNISHING AND INSTALLING DRILLED SHAFTS FOR SOLDIER PILE AND LAGGING WALLS. THE DRILLED SHAFTS ARE REINFORCED WITH SOLDIER PILES INSTEAD OF REINFORCING STEEL CAGES. THE SOLDIER PILES EXTEND ABOVE THE TOP OF THE DRILLED SHAFT. FURNISH AND INSTALL DRILLED SHAFTS IN ACCORDANCE WITH CMS 524 EXCEPT AS MODIFIED AND SUPPLEMENTED BELOW.

EXCAVATE THE HOLE FOR THE DRILLED SHAFTS WITHIN 3 INCHES OF THE PLAN LOCATION IN THE HORIZONTAL PLANE. IF FIELD CONDITIONS INDICATE GREATER DEPTHS, NOTIFY THE ENGINEER FOR FURTHER EVALUATION.

PLACE THE SOLDIER PILE VERTICALLY WITHIN THE HOLE SO IT IS NOT INCLINED MORE THAN 1" BETWEEN THE TOP AND BOTTOM. PLACE THE SOLDIER PILE SO THAT THE FLANGES ARE PARALLEL TO THE CENTERLINE OF CONSTRUCTION. DO NOT ALLOW THE ORIENTATION OF THE FLANGES TO VARY BY MORE THAN 10 DEGREES. SUPPORT THE SOLDIER PILE SO THAT IT DOES NOT MOVE CONCRETE PLACEMENT.

USE CLASS QC1 CONCRETE ACCORDING TO CMS 511. PLACE CONCRETE TO THE ELEVATION FOR THE BOTTOM OF THE PRECAST LAGGING. THE CONTRACTOR MAY PLACE CONCRETE USING THE FREE FALL METHOD PROVIDED THE DEPTH OF WATER IS LESS THAN 6 INCHES AND THE CONCRETE FALLS WITHOUT STRIKING THE SIDES OF THE HOLE. POURING CONCRETE ALONG THE WEB OF THE SOLDIER PILE IS ACCEPTABLE.

CHECK THE POSITION, THE VERTICAL ALIGNMENT AND ORIENTATION OF THE SOLDIER PILE IMMEDIATELY AFTER CONCRETE PLACEMENT. MAKE CORRECTIONS AS NECESSARY TO MEET THE ABOVE TOLERANCES.

PLACE PRECAST LAGGING SO THAT THE SOLDIER PILE FLANGE OVERLAPS THE END OF THE LAGGING BY AT LEAST 3 INCHES AT BOTH ENDS OF THE LAGGING.

SEQUENCE OF INSTALLATION  
THE INSTALLATION SEQUENCE SHALL BE SUCH THAT NO DRILLED SHAFT IS INSTALLED ADJACENT TO EITHER AN OPEN DRILLED SHAFT EXCAVATION OR A DRILLED SHAFT IN WHICH THE CONCRETE HAS LESS THAN A 48 HOUR CURE. INSTALLING THE SHAFTS IN A ALTERNATING SEQUENCE OR ANY OTHER SEQUENCE THAT MEETS THIS CRITERIA IS PERMISSIBLE.

PROTECTION OF UNATTENDED OPEN SHAFTS CARE SHALL BE EXERCISED AS TO COVER UNATTENDED OPEN SHAFTS. TEMPORARY COVERS SHALL BE OF ADEQUATE STRENGTH TO PREVENT A PERSON OR ANIMAL FROM FALLING IN. NO DRILLED SHAFT EXCAVATION SHALL BE LEFT UN–POURED OVERNIGHT

ACCESS  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS USED TO CONSTRUCT THE DRILLED SHAFTS AND PLACE CONCRETE PANELS. ANY TEMPORARY GRADING, AGGREGATE, DRAINAGE, SHEETING ETC. NEEDED FOR ACCESS TO THE WORK AREA SHALL BE INCLUDED IN THE BID PRICE FOR THE DRILLED SHAFTS. THE COST OF ANY EXCAVATION AND SUBSEQUENT REPLACEMENT OF EMBANKMENT (PER ITEM 203 EMBANKMENT) SHALL BE INCLUDED IN THE VARIOUS BID ITEMS FOR THE DRILLED SHAFT AND CONCRETE PANELS NO SEPARATE PAYMENT WILL BE MADE. PAYMENT IS FULL COMPENSATION FOR CONSTRUCTING THE DRILLED SHAFTS, INCLUDING FURNISHING AND PLACING CONCRETE AND REMOVAL OF CONCRETE FROM AROUND THE SOLDIER PILE IN ORDER TO PLACE PRECAST LAGGING. PAYMENT FOR SOIL OVERBURDEN DRILLING, WHICH IS GROUND LEVEL TO THE TOP OF THE SHAFT, SHALL BE INCLUSIVE OF ITEM 524 DRILLED SHAFTS, 24" OR 30" DIAMETER.

MEASUREMENT FOR PAYMENT FOR DRILLED SHAFTS, AS PER PLAN, WILL BE MEASURED ALONG THE AXIS OF THE DRILLED SHAFT FROM THE TOP OF THE SHAFT AND THE BOTTOM OF THE DRILLED SHAFT, AS DETERMINED BY THE ENGINEER.

ITEM 524 – PLUG PILES, 30" AND 36" DIAMETER  
THESE SHAFTS ARE TO BE UNREINFORCED NON–STRUCTURAL "PLUG PILES" SERVING THE PURPOSE OF LAGGING.

THIS WORK SHALL BE PER ITEM 524 EXCEPT REINFORCING WILL NOT BE USED IN THE SHAFT. EACH PLUG PILE SHALL BE CENTERED BETWEEN EACH REINFORCED 24" OR 30" DIAMETER DRILLED SHAFT AND SHALL HAVE A LENGTH AS SHOWN ON SHEETS 7 AND 9, AND BACKFILLED WITH UNREINFORCED CLASS QC1 CONCRETE.

PAYMENT FOR LABOR, EQUIPMENT, AND MATERIALS FOR THE ABOVE SHALL BE INCLUDED IN THE PER FOOT CONTRACT PRICE FOR ITEM 524, PLUG PILES, 30" AND 36" DIAMETER.

COAL TAR EPOXY COATING

DESCRIPTION

A. THIS WORK SHALL CONSIST OF PROVIDING ALL LABOR, MATERIALS, EQUIPMENT AND SUPERVISION NECESSARY TO PROVIDE A PROTECTIVE COAL TAR EPOXY COATING SYSTEM. THE COATING SHALL BE APPLIED TO ALL SPACER AND ALL EXTERIOR SURFACES OF THE SOLDIER PILE FROM APPROXIMATELY 4’ BELOW THE TOP OF THE SHAFT TO THE TOP OF THE SOLDIER PILE. THE ANGLES USED FOR SEATS SHALL ALSO BE COATED IN THE PANEL SEATS ARE TO BE FILED WELDED, COAT THE ANTICIPATED PANEL SEAT AREA ON THE PILE.

COATING MATERIALS

A. THE COATING SHALL BE SELF CURING CONSISTING OF TWO COMPONENTS. THE MATERIAL USED SHALL MEET OR EXCEED ALL THE REQUIREMENTS OF THE CORPS OF ENGINEERS SPECIFICATION C-200, GOVERNMENT SPECIFICATION MIL -P-23236 AND STEEL STRUCTURES PAINTING COUNCIL PAINT SYSTEM SSPC- PAINT NO. 16, COAL TAR EPOXY-POLYAMIDE BLACK.

B. ALL COATINGS SHALL BE PROCESSED AND PACKAGED AS TO INSURE THAT WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF MANUFACTURE, THEY WILL NOT GEL, LIVER OR THICKEN DELETERIOUSLY OR FROM GASSES IN THE CLOSED CONTAINER.

PACKAGING AND LABELING

COATINGS AND VEHICLES SHALL BE PACKAGED IN STANDARD CONTAINERS NOT LARGER THAN FIVE GALLONS IN SIZE, WITH REMOVABLE FRICTION OR LUG-TYPE COVERS. EACH CONTAINER OF SEPARATELY PACKAGED COMPONENTS SHALL BE CLEARLY AND DURABLY LABELED TO INDICATE THE PURCHASERS ORDER NUMBER, DATE OR MANUFACTURE, MANUFACTURES BATCH NUMBER, QUANTITY, COLOR, COMPONENT IDENTIFICATION, AND THE DESIGNATED NAME AND FORMULA OR SPECIFICATION NUMBER OF THE COATING TOGETHER WITH SPECIAL INSTRUCTIONS.

CERTIFICATIONS

IN ADDITION TO MEETING THE OTHER QUALIFICATIONS, THE COATING MANUFACTURER SHALL CERTIFY THAT:

A. HE HAS BEEN A PRODUCER OF COATINGS OF THIS CLASS FOR A PERIOD OF AT LEAST TWO YEARS.

B. THE COATING BEING OFFERED UNDER THIS SPECIFICATION IS THE SAME FORMULATION WHICH HAS BEEN MANUFACTURED AND DISTRIBUTED BY HIM DURING THIS TWO YEAR PERIOD.

C. THE COATING BEING OFFERED UNDER THIS SPECIFICATION HAS BEEN SUCCESSFULLY USED IN SEA WATER IMMERSION SERVICE FOR AT LEAST TWO YEARS.

SURFACE PREPARATION

A. ALL SURFACES SHALL BE THOROUGHLY PREPARED FOR COATING APPLICATION IN STRICT ACCORDANCE WITH THE COATING MANUFACTURERS RECOMMENDATION. ALL CLEANING AND COATING WORK MUST BE PERFORMED IN A HEATED BUILDING. PRECEDING GRIT BLASTING, STEEL MUST BE HEATED TO AT LEAST 100 F TO ELIMINATE THE POSSIBILITY OF MOISTURE ON THE SURFACE TO BE CLEANED AND COATED.

B. GRIT BLASTING SHALL BE TO CLEAN NEAR-WHITE METAL, BLAST AS DEFINED BY SSPC SPECIFICATION SP-10. ALL WORK BLASTED IN ONE DAY MUST BE COATED ON THAT DAY.

C. ANY AREAS OF THE SURFACE WHICH SHOW TRACES OF OIL, GREASE, OR OTHER ORGANIC MATTER, SHALL BE REMOVED PRIOR TO BLASTING. THE CONTAMINATION SHALL BE REMOVED USING A SOLVENT WAS AS DEFINED BY STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION SP-1.

D. ALL SURFACES TO BE COATED MUST BE COMPLETELY DRY, FREE OF MOISTURE, SOIL, DUST AND GRIT AT THE TIME THE COATING IS APPLIED.

E. THE FINISHED COATING SHALL BE POST-CURED AT A TEMPERATURE OF APPROXIMATELY NO DEGREES F WHEREVER THE AMBIENT AVERAGE TEMPERATURE FALLS BELOW 70 DEGREES F.

APPLICATION OF COATING

ALL COATING SHALL BE APPLIED BY BRUSH OR SPRAY USING COMMERCIALY AVAILABLE SPRAY EQUIPMENT. THE COATINGS SHALL EXHIBIT REASONABLE LEVELING WITHOUT EXCESSIVE SAGGING WHEN APPLIED AT THE REQUIRED FILM THICKNESS. COATING MANUFACTURERS RECOMMENDATIONS SHALL BE ADHERED TO STRICTLY. THE TEMPERATURE OF THE COATING SHALL NOT BE LESS THAN THE TEMPERATURE OF THE STEEL AT THE SUBSTRUCTURE MUST BE AT LEAST 5 DEGREES F ABOVE THE DEW POINT TEMPERATURE.

PROGRESS OF COATING WORK

WHERE COATING ON ANY TYPE OF SURFACE HAS COMMENCED, THE COMPLETE COATING OPERATION, INCLUDING PRIMING AND FINISHING COATS WHEN MULTIPLE COATS ARE USED ON THAT PORTION OF THE WORK, SHALL BE COMPLETED AS SOON AS PRACTICAL, WITHOUT PROLONGED DELAYS. WHERE NECESSARY, SUFFICIENT TIME SHALL ELAPSE BETWEEN SUCCESSIVE COATS TO PERMIT THEM TO DRY PROPERLY FOR RECOATING AND THIS PERIOD SHALL BE MODIFIED AS NECESSARY TO SUIT SHOP CONDITIONS, FASTER BETWEEN COAT APPLICATIONS ARE POSSIBLE AT HIGHER TEMPERATE, FOR EXAMPLE IF THE INITIAL COAT IS APPLIED AT 100 DEGREES F BY USE OF AN INLINE HEATER, A SECOND COAT MAY USUALLY BE APPLIED WITHIN THREE HOURS AFTER THE FIRST COAT.

COATING THICKNESS

A. THE MINIMUM THICKNESS OF 16 MILS DRY FILM IS REQUIRED ON ALL SURFACES TO BE COATED.

B. WHERE TO COATS ARE REQUIRED TO ACHIEVE THE RECOMMENDED FILM BUILD, THE INTERNAL BETWEEN COATS SHOULD BE AS SHORT AS POSSIBLE. TO INSURE MAXIMUM INTERCOAT ADHESION, IT IS RECOMMENDED THAT:

(1) THE NEXT COAT BE APPLIED AS SOON AS POSSIBLE AFTER THE PREVIOUS COAT IS FIRM.

(2) IF THE PREVIOUS COAT HAS CURED FOR MORE THAN THE RECOAT TIME SPECIFIED BY THE MANUFACTURER, BRUSH SAND BLAST FOLLOWED BY DRY CLEANING SUCH AS VACUUMING, USE OF AIR HOSES OR SWEEPING TO REMOVE DIRT ALL SURFACES TO BE RECOATED MUST SHOW A SURFACE PROFILE SUFFICIENT TO PROVIDE AN ADEQUATE MECHANICAL BOND. SURFACE PROFILE IS ESSENTIAL FOR INTERCOAT ADHESION.

FINAL CURING TIME

COATING SURFACES SHALL BE PERMITTED AS LONG A DRYING TIME AS PRACTICABLE, BUT IN ANY EVENT THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MET: THE STEEL COATED WITH THE COAL TAR EPOXY SYSTEM SHALL NOT BE PLACED UNTIL THE FINISHED COATING HAS CURED AT LEAST SEVEN DAYS AT 77 DEGREES F, OR BEEN POSTCURED AT HIGHER TEMPERATURES FOR A SHORT PERIOD OF TIME IN ACCORDANCE WITH THE COATING MANUFACTURERS RECOMMENDATIONS.

THINNING OF THE COATING MATERIAL FOR APPLICATION WILL BE PERMITTED ONLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

INSPECTION

A. SATISFACTION PERFORMANCE WILL BE BASED ON ACCEPTANCE BY THE ENGINEER OF THE COMPLETED WORK, ALL WORK WILL BE SUBJECT TO THE INSPECTION OF THE ENGINEER. THE GRIT BLASTING IS TO BE APPROVED BEFORE THE START OF THE COATING APPLICATION.

B. INSPECTION OF THE COMPLETED COATING WILL BE BASED UPON A NORDSON MIKROTEST OR OTHER MAGNETIC DETECTOR READINGS. DETECTION OF INADEQUATELY COATED SECTIONS WILL BE INDICATED BY CIRCLING WITH CHALK THE AREAS TO BE RECOATED.

APPEARANCE OF FINISHED COATING

A. THE FINISHED COATING SHALL BE GENERALLY SMOOTH AND FREE OF SHARP PROTUBERANCES WHICH COULD BE REMOVED BY ABRASION. A MINOR AMOUNT OF SAGGING, DIMPLING, OR CURTAINING WHICH DOES NOT EXCEED TWO TO THREE PERCENT OF THE SURFACE WILL NOT BE CONSIDERED CAUSE FOR REJECTION UNLESS THEY PRESENT SHARP EDGES WHICH MIGHT BE REMOVED BY ABRASION.

B. SHARP PROTUBERANCES SHALL BE CUT OFF USING A SHARP WOOD CHISEL LAID FLAT AGAINST THE SURFACE. THE AREA FROM WHICH MATERIAL HAS BEEN REMOVED SHALL BE RECOATED TO SMOOTH THE SURFACE.

PROTECTION OF COATED STEEL

THE CONTRACTOR SHALL EXERCISE EXTREME CARE HANDLING OF ALL COATED STEEL SO AS NOT TO DAMAGE THE COATED SURFACE. ANY DAMAGE TO THE COATING DUE TO HANDLING OR CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.

SAFETY

A. IF COATING IS APPLIED BY SPRAY IT SHALL BE PERFORMED IN AN ENCLOSED PLACE WITH A FORCED VENTILATION SYSTEM. THE SYSTEM SHALL BE CAPABLE OF POSITIVELY EXCHANGING THE AIR IN THE ENCLOSED PLACE FOR FRESH AIR AT THE RATE OF NOT LESS THAN 5000 CUBIC FEET PER MINUTE FOR EACH SPRAY GUN IN OPERATION, AND ALL PARTS OF THE SPACE SHALL BE SWEEPED BY MOVING AIR. THE VENTILATION SYSTEM SHALL BE OPERATED DURING THE ENTIRE OPERATION OF APPLICATION AND SHALL BE CONTINUED AFTER THE SPRAYING HAS BEEN HALTED UNTIL THE APPLIED FILM IS NO LONGER GIVING OFF APPRECIABLE SOLVENT VAPORS. THE AIR IN THE ENCLOSED PAINTING SPACE SHALL BE SAFE AT ALL TIMES FROM FIRE AND EXPLOSION HAZARDS AS DETERMINED BY THE EXPLOSIMETER, MANUFACTURED BY THE MINE SAFETY APPLIANCE COMPANY. WHERE SPRAYING IS BEING CARRIED OUT IN ENCLOSED OR OTHER SPACES NOT FREELY SWEEPED BY NATURAL WIND CURRENT, WORKMEN SHALL WEAR RESPIRATORS FED BY FRESH AIR. GRIT BLAST NOZZLE OPERATORS SHALL WEAR FRESH AIR FED HELMETS UNDER ALL CIRCUMSTANCES.

B. IN ADDITION TO NORMAL SAFETY PRECAUTIONS, WORKMEN SHALL TAKE EXTRA CARE TO AVOID CONTACT OF THE PAINT WITH THE SKIN AND TO AVOID INHALING FUMES OR ATOMIZED PARTICLES OF THE COATING.

MEASUREMENT AND PAYMENT

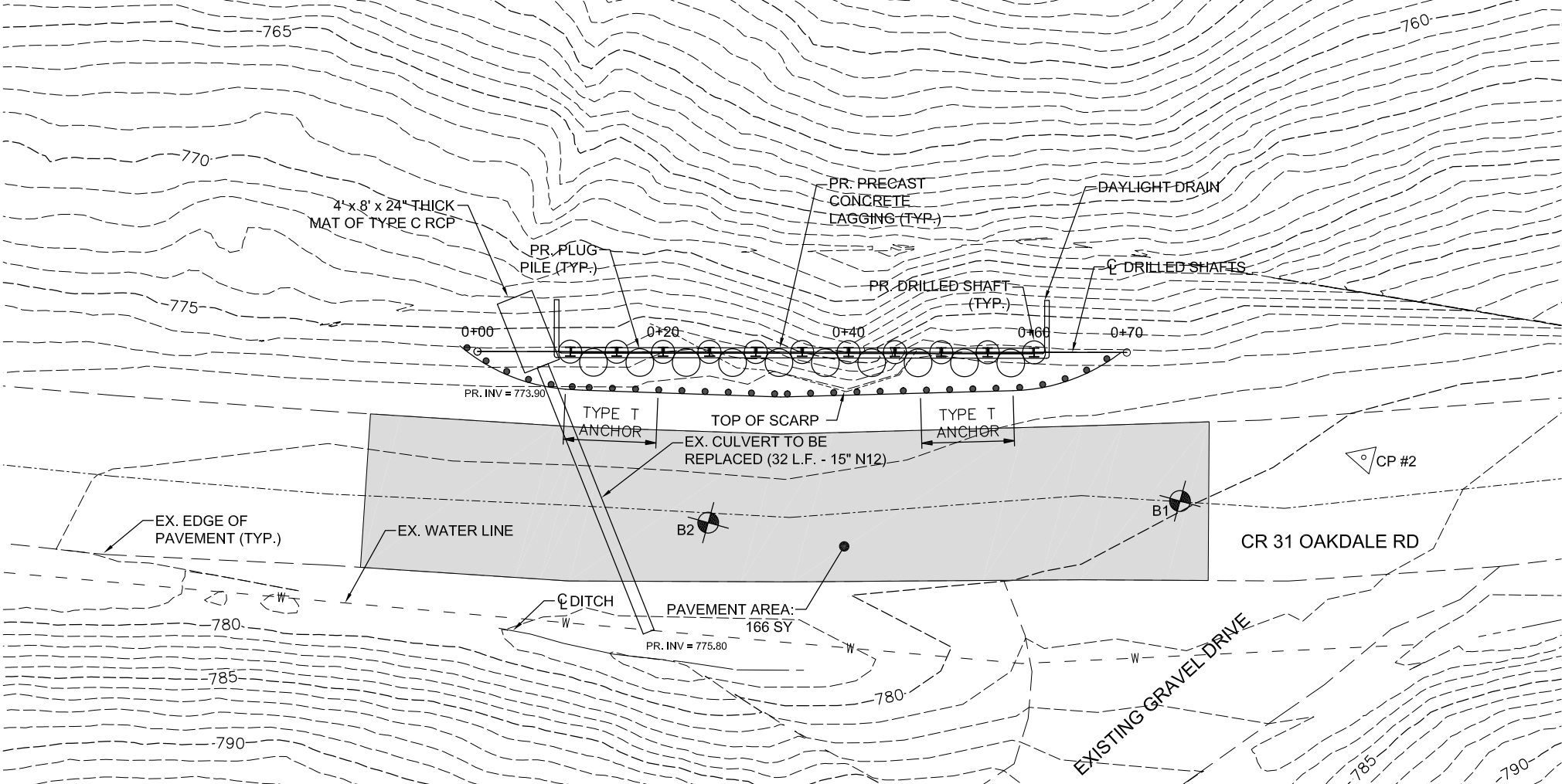
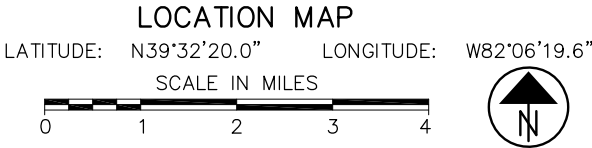
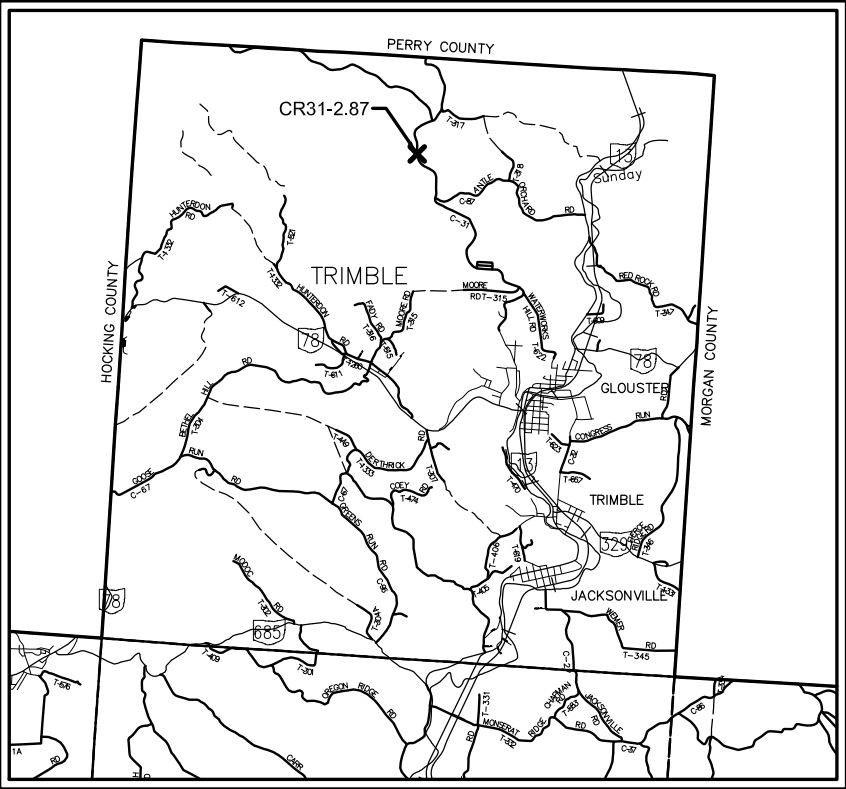
SEPARATE MEASUREMENT AND PAYMENT WILL NOT BE MADE FOR COAL TAR EPOXY COATING. THE COST SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM 507 – STEEL PILES, MISC.: SOLDIER PILES.

PART 1: CR31–2.87 – GENERAL SUMMARY

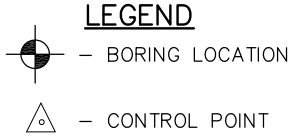
| PART 1 - CR31-2.87 |          |                                                          |      |      |
|--------------------|----------|----------------------------------------------------------|------|------|
| REF NO.            | ITEM NO. | ITEM DESCRIPTION                                         | QTY  | UNIT |
| 1                  | 201      | CLEARING AND GRUBBING                                    | 1    | LS   |
| 2                  | 203      | EARTHWORK                                                | 1    | LS   |
| 3                  | 606      | GUARDRAIL, TYPE 5                                        | 75   | FT   |
| 4                  | 606      | ANCHOR ASSEMBLY, TYPE T                                  | 2    | EACH |
| 5                  | 611      | 15" CONDUIT, TYPE B                                      | 32   | FT   |
| 6                  | 601      | ROCK CHANNEL PROTECTION, TYPE C WITH FILTER              | 3    | CY   |
| 7                  | 832      | EROSION CONTROL                                          | 1500 | EACH |
| 8                  | 617      | COMPACTED AGGREGATE                                      | 5    | CY   |
| 9                  | 659      | SEEDING AND MULCHING, AS PER PLAN                        | 128  | SY   |
| 10                 | 254      | SUBGRADE COMPACTION                                      | 166  | SY   |
| 11                 | 304      | AGGREGATE BASE                                           | 37   | CY   |
| 12                 | 301      | ASPHALT CONCRETE BASE PG 64-22, (449)                    | 9.2  | CY   |
| 13                 | 407      | TACK COAT                                                | 8    | GAL  |
| 14                 | 441      | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG 64-22 | 9.2  | CY   |
| 15                 | 503      | UNCLASSIFIED EXCAVATION, AS PER PLAN                     | 1    | LS   |
| 16                 | 507      | STEEL PILES, MISC.:SOLDIER PILE HP12x74                  | 253  | FT   |
| 17                 | 518      | POROUS BACKFILL WITH GEOTEXTILE FABRIC                   | 16   | CY   |
| 18                 | 518      | 6" PERFORATED CORRUGATED PLASTIC PIPE                    | 53   | FT   |
| 19                 | 518      | 6" NON-PERFORATED CORRUGATED PLASTIC PIPE                | 11   | FT   |
| 20                 | 524      | DRILLED SHAFTS, 30" DIAMETER, AS PER PLAN                | 193  | FT   |
| 21                 | 524      | PLUG PILES, 36" DIAMETER                                 | 65   | FT   |
| 22                 | 530      | STRUCTURE, MISC.: PRECAST CONCRETE PANEL                 | 10   | EACH |
| 23                 | 614      | MAINTAINING TRAFFIC                                      | 1    | LS   |
| 24                 | 623      | CONSTRUCTION LAYOUT STAKES AND SURVEYING                 | 1    | LS   |
| 25                 | 624      | MOBILIZATION                                             | 1    | LS   |
| 26                 | 103      | PREMIUM FOR PERFORMANCE BOND AND FOR PAYMENT BOND        | 1    | LS   |

PART 2: CR36–5.19 – GENERAL SUMMARY

| PART 2 - CR36-5.19 |          |                                                          |      |      |
|--------------------|----------|----------------------------------------------------------|------|------|
| REF NO.            | ITEM NO. | ITEM DESCRIPTION                                         | QTY  | UNIT |
| 27                 | 201      | CLEARING AND GRUBBING                                    | 1    | LS   |
| 28                 | 617      | COMPACTED AGGREGATE                                      | 4    | CY   |
| 29                 | 659      | SEEDING AND MULCHING, AS PER PLAN                        | 218  | SY   |
| 30                 | 832      | EROSION CONTROL                                          | 1500 | EACH |
| 31                 | 254      | SUBGRADE COMPACTION                                      | 265  | SY   |
| 32                 | 304      | AGGREGATE BASE                                           | 59   | CY   |
| 33                 | 301      | ASPHALT CONCRETE BASE PG 64-22, (449)                    | 22   | CY   |
| 34                 | 407      | TACK COAT                                                | 13   | GAL  |
| 35                 | 441      | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG 64-22 | 15   | CY   |
| 36                 | 503      | UNCLASSIFIED EXCAVATION, AS PER PLAN                     | 1    | LS   |
| 37                 | 507      | STEEL PILES, MISC.:SOLDIER PILE HP10x42                  | 624  | FT   |
| 38                 | 524      | DRILLED SHAFTS, 24" DIAMETER, AS PER PLAN                | 624  | FT   |
| 39                 | 524      | PLUG PILES, 30" DIAMETER                                 | 230  | FT   |
| 40                 | 614      | MAINTAINING TRAFFIC                                      | 1    | LS   |
| 41                 | 623      | CONSTRUCTION LAYOUT STAKES AND SURVEYING                 | 1    | LS   |
| 42                 | 624      | MOBILIZATION                                             | 1    | LS   |
| 43                 | 103      | PREMIUM FOR PERFORMANCE BOND AND FOR PAYMENT BOND        | 1    | LS   |



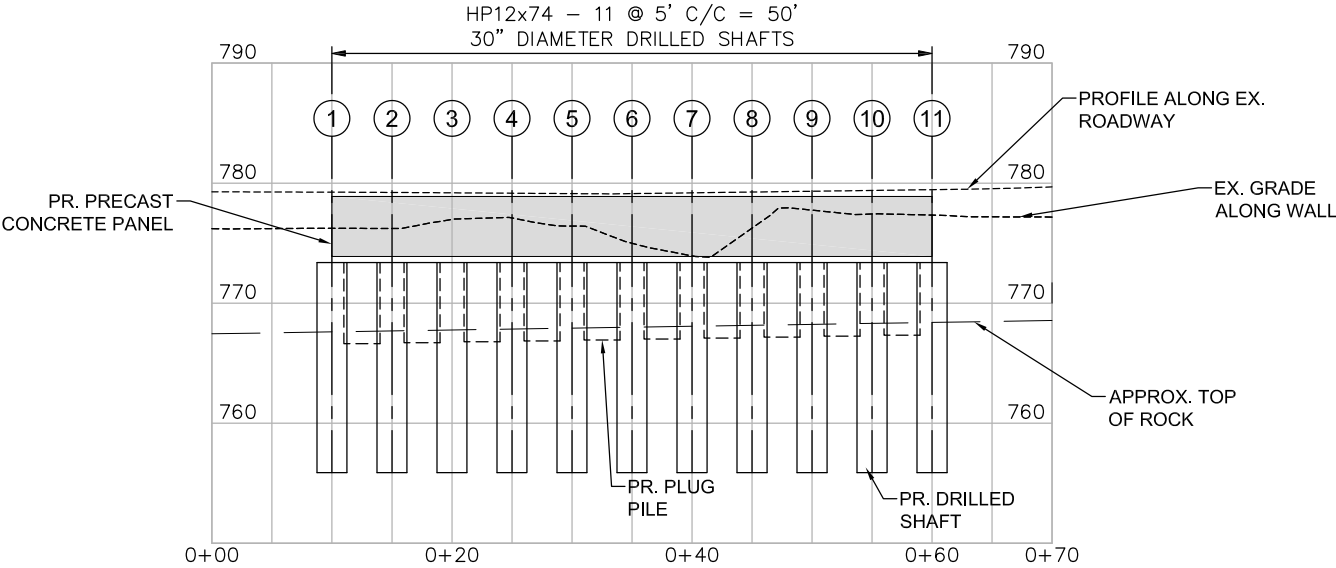
SITE PLAN



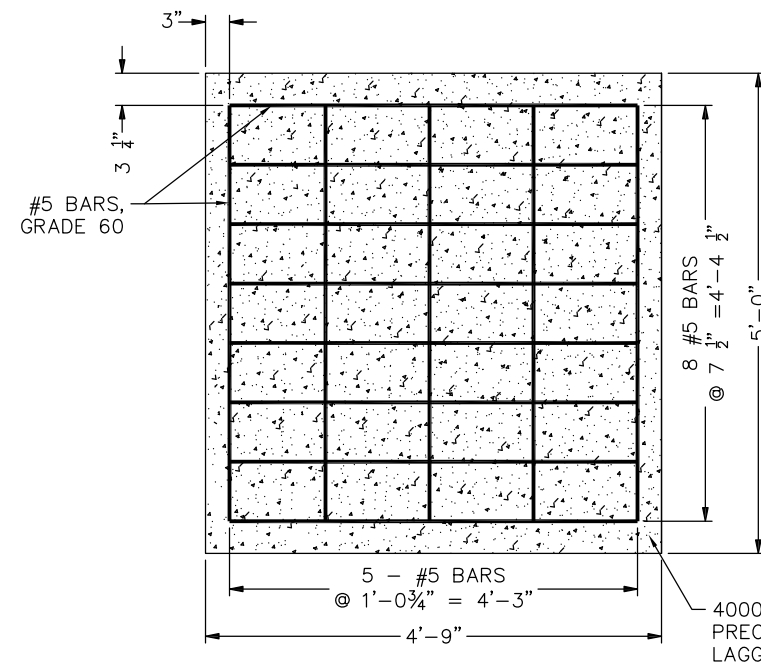
| CONTROL POINTS |            |             |           |             |
|----------------|------------|-------------|-----------|-------------|
| POINT          | NORTHING   | EASTING     | ELEVATION | DESCRIPTION |
| CP #1          | 560693.181 | 2079739.558 | 775.28    | NAIL        |
| CP #2          | 560483.693 | 2079790.96  | 780.46    | NAIL        |

| SOIL BORINGS |         |           |                          |                     |
|--------------|---------|-----------|--------------------------|---------------------|
| BORING       | STATION | OFFSET    | EX. GROUND SURFACE ELEV. | APPROX. TOP OF ROCK |
| B1           | 0+75.76 | 16.02' Rt | 779.9                    | 771.9               |
| B2           | 0+24.90 | 18.42' Rt | 779.1                    | 771.1               |

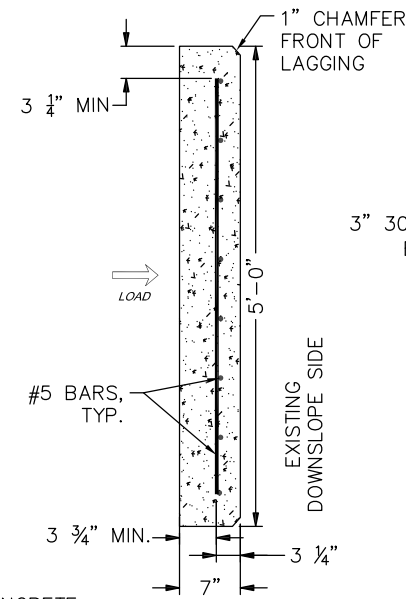
| ESTIMATED QUANTITIES |                                          |          |      |
|----------------------|------------------------------------------|----------|------|
| ITEM NO.             | ITEM DESCRIPTION                         | QUANTITY | UNIT |
| 507                  | STEEL PILES, MISC.:SOLDIER PILE HP12x74  | 253      | FT   |
| 524                  | PLUG PILES, 36" DIAMETER                 | 65       | FT   |
| 524                  | DRILLED SHAFTS, 30" DIAMETER             | 193      | FT   |
| 530                  | STRUCTURE, MISC.: PRECAST CONCRETE PANEL | 10       | EA   |
| 606                  | GUARDRAIL, TYPE 5                        | 75       | FT   |
| 611                  | 15" CONDUIT, TYPE B                      | 32       | FT   |
| 601                  | ROCK CHANNEL PROTECTION, TYPE C          | 3        | CY   |



PIER WALL PROFILE

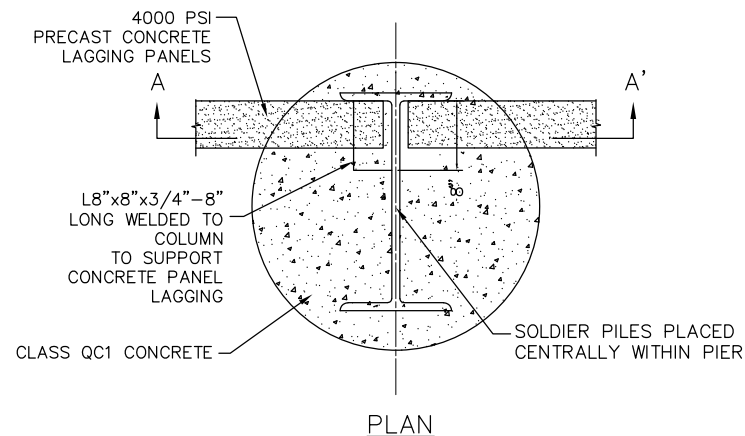


PRECAST CONCRETE  
LAGGING PANEL DETAIL  
SCALE: NOT TO SCALE

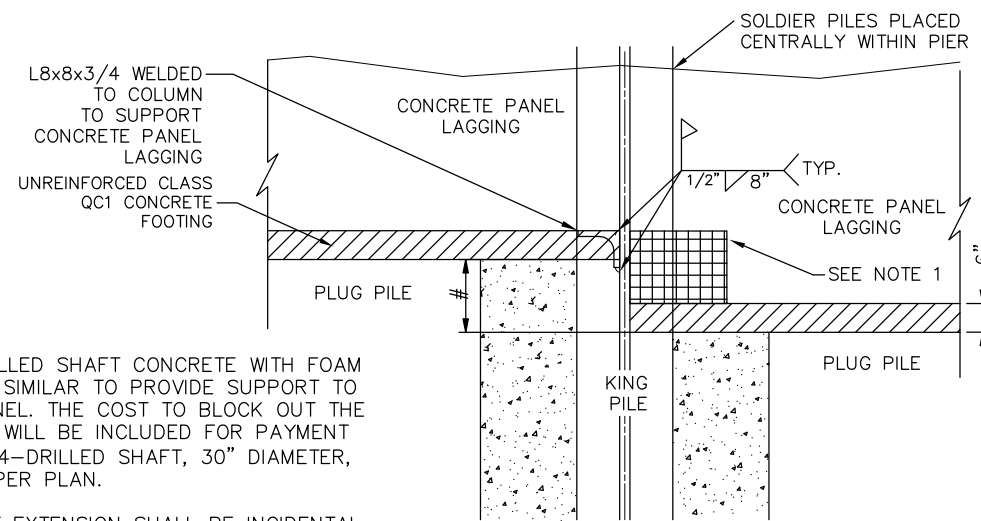


NOTES:

1. PRECAST REINFORCED CONCRETE PANELS SHALL BE CAST OFF-SITE. THE CONCRETE USED TO FABRICATE THE PANELS SHALL HAVE A MINIMUM 28-DAY UNCONFINED COMPRESSIVE STRENGTH OF 4000 PSI WITH  $6\% \pm 2\%$  AIR ENTRAINMENT. EACH PANEL SHALL INCLUDE PERMANENT MARKINGS APPLIED TO THE FACE OF THE PANEL BY THE MANUFACTURER INDICATING WHICH FACE SHALL BE PLACED AGAINST GRANULAR BACKFILL.



PLAN



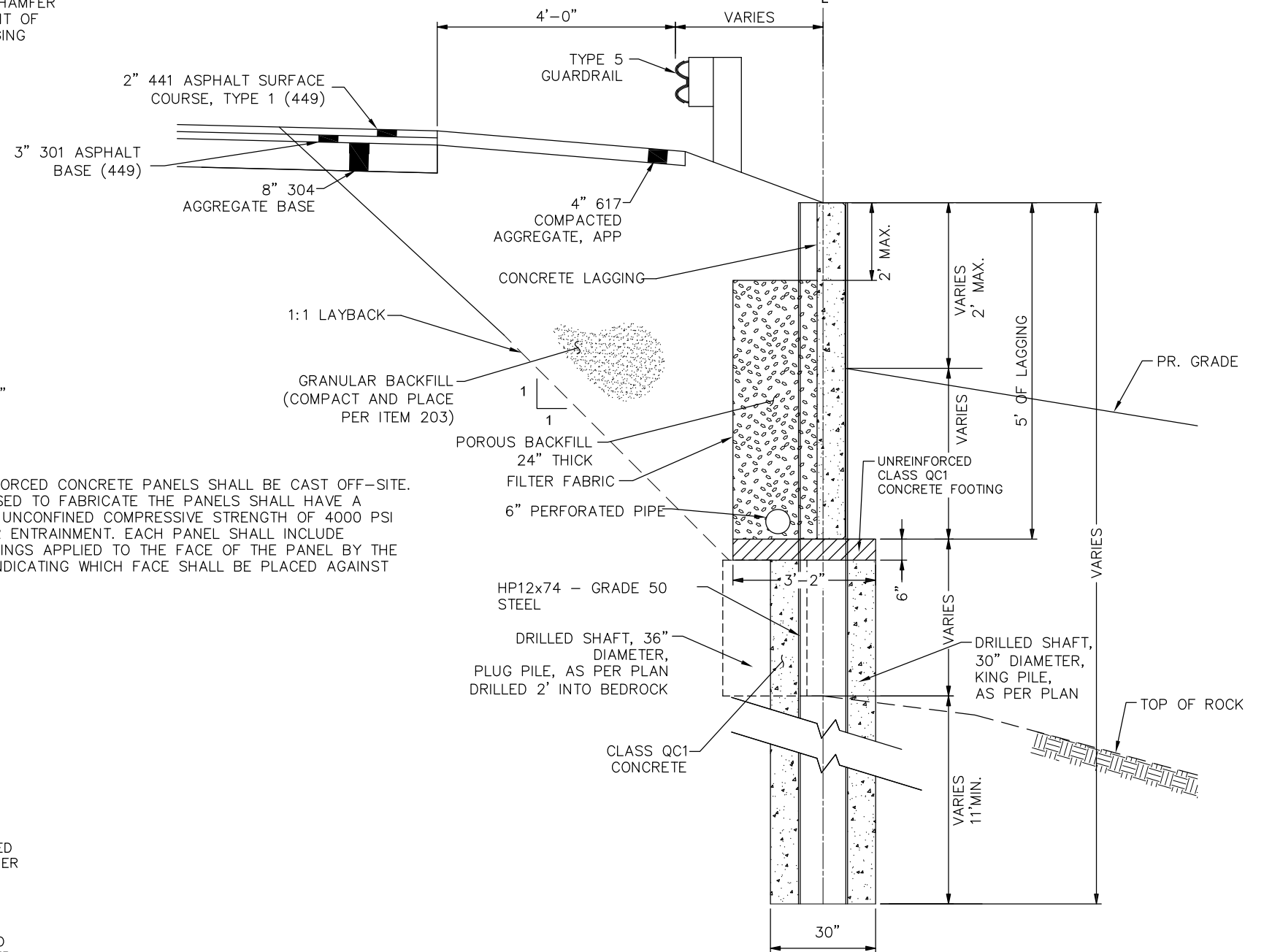
SECTION A-A'

CONCRETE PANEL LAGGING ATTACHMENT TO SOLDIER PILE  
SCALE: NOT TO SCALE

NOTES:

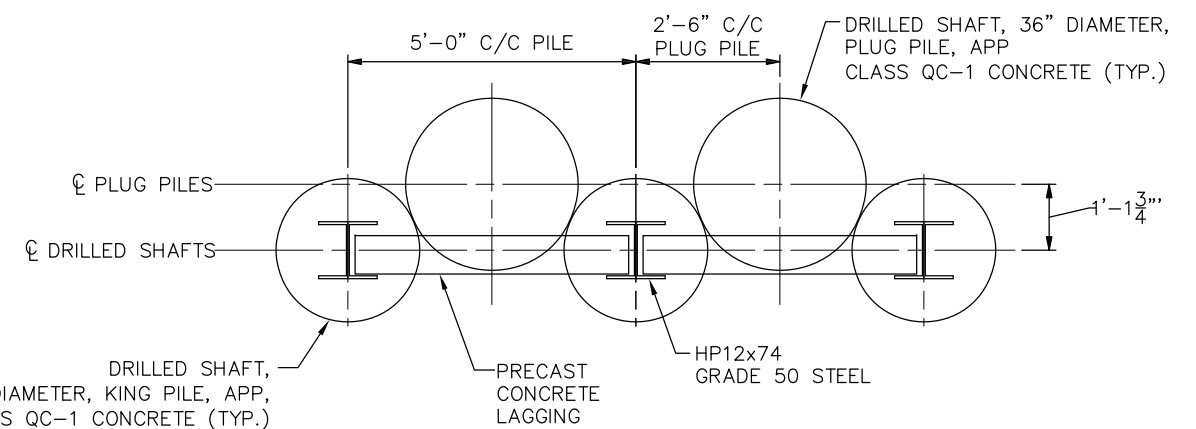
1. BLOCK OUT DRILLED SHAFT CONCRETE WITH FOAM INSULATION OR SIMILAR TO PROVIDE SUPPORT TO THE LOWER PANEL. THE COST TO BLOCK OUT THE DRILLED SHAFT WILL BE INCLUDED FOR PAYMENT UNDER ITEM 524-DRILLED SHAFT, 30" DIAMETER, KING PILE, AS PER PLAN.

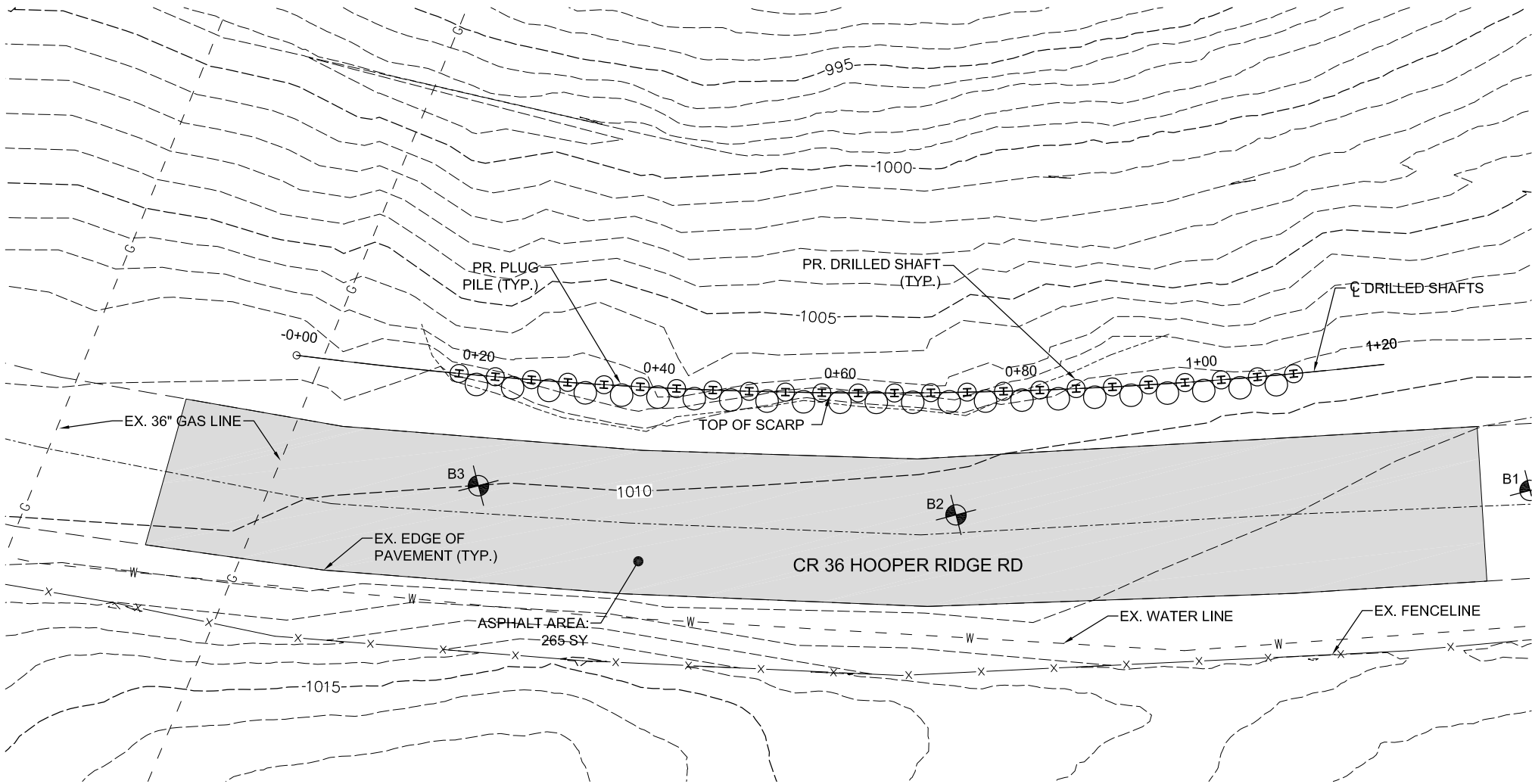
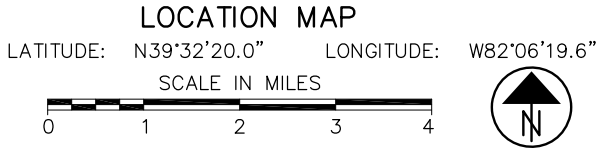
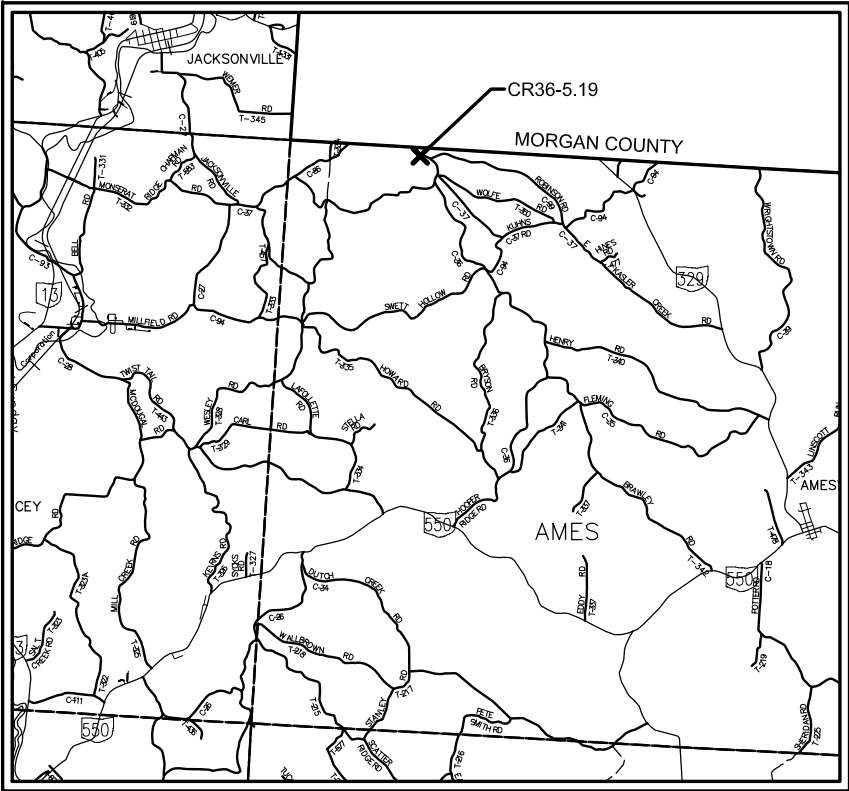
- # DRILLED SHAFT EXTENSION SHALL BE INCIDENTAL TO ITEM 524-DRILLED SHAFT, 30" DIAMETER, KING PILE, AS PER PLAN.



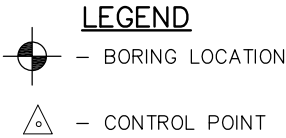
RETAINING WALL DETAIL (NOT TO SCALE)

HP12x74





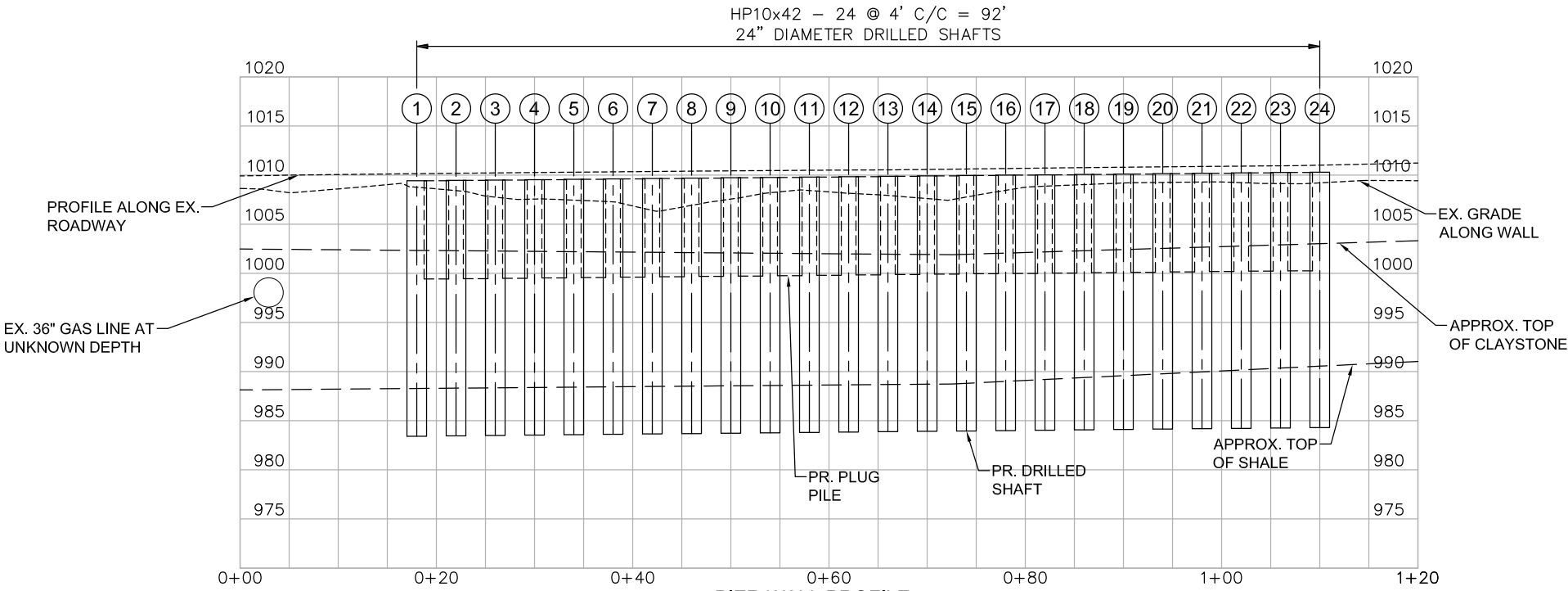
SITE PLAN



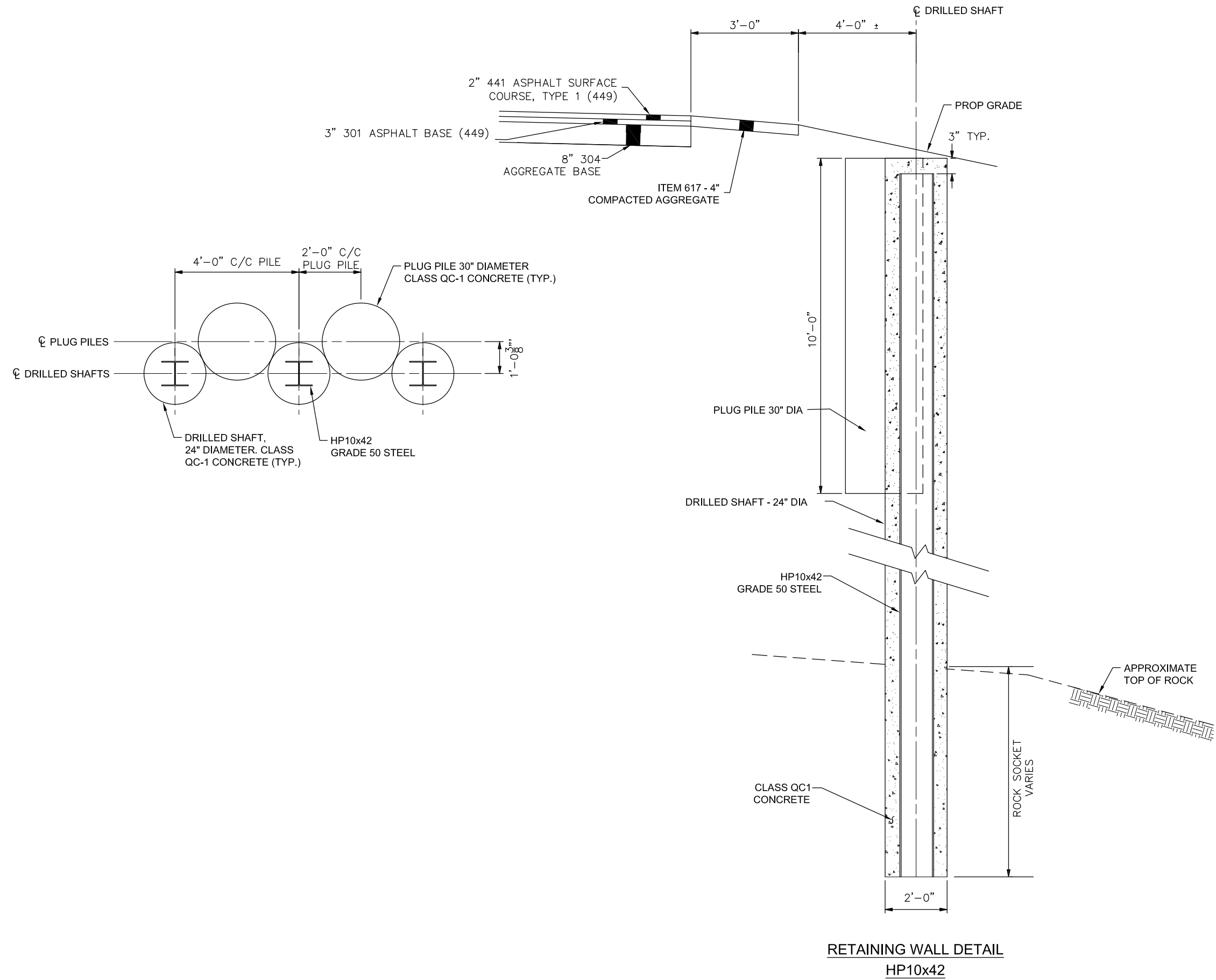
| CONTROL POINTS |            |             |           |             |
|----------------|------------|-------------|-----------|-------------|
| POINT          | NORTHING   | EASTING     | ELEVATION | DESCRIPTION |
| CP #1          | 531264.148 | 2100977.21  | 1008.24   | NAIL        |
| CP #2          | 531169.354 | 2101213.905 | 1011.943  | NAIL        |

| SOIL BORINGS |         |           |                          |                     |
|--------------|---------|-----------|--------------------------|---------------------|
| BORING       | STATION | OFFSET    | EX. GROUND SURFACE ELEV. | APPROX. TOP OF ROCK |
| B1           | 1+35.00 | 14.93' Rt | 1011.6                   | 1005.6              |
| B2           | 0+72.54 | 13.49' Rt | 1010.4                   | 1001.9              |
| B3           | 0+21.20 | 12.11' Rt | 1009.8                   | 1003.8              |

| ESTIMATED QUANTITIES |                                         |          |      |
|----------------------|-----------------------------------------|----------|------|
| ITEM NO.             | ITEM DESCRIPTION                        | QUANTITY | UNIT |
| 507                  | STEEL PILES, MISC.:SOLDIER PILE HP10x42 | 624      | FT   |
| 524                  | PLUG PILES, 30" DIAMETER                | 230      | FT   |
| 524                  | DRILLED SHAFTS, 24" DIAMETER            | 624      | FT   |



PIER WALL PROFILE



PART 1: CR31-2.87 – PIER WALL SUMMARIES

| CR 31 DRILLED SHAFT SUMMARY (KING PILE) |                                    |                   |                       |                    |                                 |                                                   |                                                    |                           |
|-----------------------------------------|------------------------------------|-------------------|-----------------------|--------------------|---------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------|
| SHAFT NO.                               | C.L. DRILLED SHAFT STATION (CR 31) | TOP ELEV. OF WALL | BOTTOM ELEV. OF SHAFT | TOP ELEV. OF SHAFT | ESTIMATED TOP OF ROCK ELEVATION | ITEM 524 DRILLED SHAFTS, 30" DIA. KING PILES, APP | ITEM 507 STEEL PILES, MISC.: SOLDIER PILES HP12x84 | BEAM ORDER LENGTH HP12x84 |
|                                         |                                    |                   |                       |                    |                                 | (FT)                                              | (FT)                                               | (FT)                      |
| 1                                       | 00+10                              | 778.89            | 755.89                | 773.39             | 767.46                          | 17.5                                              | 23.0                                               | 23.0                      |
| 2                                       | 00+15                              | 778.89            | 755.89                | 773.39             | 767.68                          | 17.5                                              | 23.0                                               | 23.0                      |
| 3                                       | 00+20                              | 778.89            | 755.89                | 773.39             | 767.76                          | 17.5                                              | 23.0                                               | 23.0                      |
| 4                                       | 00+25                              | 778.89            | 755.89                | 773.39             | 767.84                          | 17.5                                              | 23.0                                               | 23.0                      |
| 5                                       | 00+30                              | 778.89            | 755.89                | 773.39             | 767.92                          | 17.5                                              | 23.0                                               | 23.0                      |
| 6                                       | 00+35                              | 778.89            | 755.89                | 773.39             | 768.00                          | 17.5                                              | 23.0                                               | 23.0                      |
| 7                                       | 00+40                              | 778.89            | 755.89                | 773.39             | 768.08                          | 17.5                                              | 23.0                                               | 23.0                      |
| 8                                       | 00+45                              | 778.89            | 755.89                | 773.39             | 768.16                          | 17.5                                              | 23.0                                               | 23.0                      |
| 9                                       | 00+50                              | 778.89            | 755.89                | 773.39             | 768.24                          | 17.5                                              | 23.0                                               | 23.0                      |
| 10                                      | 00+55                              | 778.89            | 755.89                | 773.39             | 768.32                          | 17.5                                              | 23.0                                               | 23.0                      |
| 11                                      | 00+60                              | 778.89            | 755.89                | 773.39             | 768.39                          | 17.5                                              | 23.0                                               | 23.0                      |
| TOTALS CARRIED TO GENERAL SUMMARY       |                                    |                   |                       |                    |                                 | 193                                               | 253                                                | 253                       |

| CR 31 DRILLED SHAFT SUMMARY (PLUG PILE) |                                    |                       |                    |                                                   |
|-----------------------------------------|------------------------------------|-----------------------|--------------------|---------------------------------------------------|
| SHAFT NO.                               | C.L. DRILLED SHAFT STATION (CR 31) | BOTTOM ELEV. OF SHAFT | TOP ELEV. OF SHAFT | ITEM 524 DRILLED SHAFTS, 36" DIA. PLUG PILES, APP |
|                                         |                                    |                       |                    | (FT)                                              |
| 1                                       | 00+12.5                            | 766.62                | 773.39             | 6.77                                              |
| 2                                       | 00+17.5                            | 766.70                | 773.39             | 6.69                                              |
| 3                                       | 00+22.5                            | 766.78                | 773.39             | 6.61                                              |
| 4                                       | 00+27.5                            | 766.86                | 773.39             | 6.53                                              |
| 5                                       | 00+32.5                            | 766.94                | 773.39             | 6.45                                              |
| 6                                       | 00+37.5                            | 767.02                | 773.39             | 6.37                                              |
| 7                                       | 00+42.5                            | 767.09                | 773.39             | 6.30                                              |
| 8                                       | 00+47.5                            | 767.17                | 773.39             | 6.22                                              |
| 9                                       | 00+52.5                            | 767.25                | 773.39             | 6.14                                              |
| 10                                      | 00+57.5                            | 767.33                | 773.39             | 6.06                                              |
| TOTALS CARRIED TO GENERAL SUMMARY       |                                    |                       |                    | 65                                                |

PART 2: CR36-5.19 – PIER WALL SUMMARIES

| CR 36 DRILLED SHAFT SUMMARY (KING PILE) |                                    |                    |                       |                                 |                                                   |                                                    |  |
|-----------------------------------------|------------------------------------|--------------------|-----------------------|---------------------------------|---------------------------------------------------|----------------------------------------------------|--|
| SHAFT NO.                               | C.L. DRILLED SHAFT STATION (CR 36) | TOP ELEV. OF SHAFT | BOTTOM ELEV. OF SHAFT | ESTIMATED TOP OF ROCK ELEVATION | ITEM 524 DRILLED SHAFTS, 30" DIA. KING PILES, APP | ITEM 507 STEEL PILES, MISC.: SOLDIER PILES HP10x42 |  |
|                                         |                                    |                    |                       |                                 | (FT)                                              | (FT)                                               |  |
| 1                                       | 00+18                              | 1009.42            | 983.42                | 988.28                          | 26.0                                              | 26.0                                               |  |
| 2                                       | 00+22                              | 1009.46            | 983.46                | 988.32                          | 26.0                                              | 26.0                                               |  |
| 3                                       | 00+26                              | 1009.50            | 983.50                | 988.36                          | 26.0                                              | 26.0                                               |  |
| 4                                       | 00+30                              | 1009.53            | 983.53                | 988.39                          | 26.0                                              | 26.0                                               |  |
| 5                                       | 00+34                              | 1009.57            | 983.57                | 988.43                          | 26.0                                              | 26.0                                               |  |
| 6                                       | 00+38                              | 1009.61            | 983.61                | 988.47                          | 26.0                                              | 26.0                                               |  |
| 7                                       | 00+42                              | 1009.65            | 983.65                | 988.51                          | 26.0                                              | 26.0                                               |  |
| 8                                       | 00+46                              | 1009.68            | 983.68                | 988.54                          | 26.0                                              | 26.0                                               |  |
| 9                                       | 00+50                              | 1009.72            | 983.72                | 988.58                          | 26.0                                              | 26.0                                               |  |
| 10                                      | 00+54                              | 1009.76            | 983.76                | 988.62                          | 26.0                                              | 26.0                                               |  |
| 11                                      | 00+58                              | 1009.80            | 983.80                | 988.66                          | 26.0                                              | 26.0                                               |  |
| 12                                      | 00+62                              | 1009.84            | 983.84                | 988.70                          | 26.0                                              | 26.0                                               |  |
| 13                                      | 00+66                              | 1009.87            | 983.87                | 988.73                          | 26.0                                              | 26.0                                               |  |
| 14                                      | 00+70                              | 1009.91            | 983.91                | 988.77                          | 26.0                                              | 26.0                                               |  |
| 15                                      | 00+74                              | 1009.95            | 983.95                | 988.80                          | 26.0                                              | 26.0                                               |  |
| 16                                      | 00+78                              | 1009.99            | 983.99                | 988.99                          | 26.0                                              | 26.0                                               |  |
| 17                                      | 00+82                              | 1010.03            | 984.03                | 989.20                          | 26.0                                              | 26.0                                               |  |
| 18                                      | 00+86                              | 1010.07            | 984.07                | 989.39                          | 26.0                                              | 26.0                                               |  |
| 19                                      | 00+90                              | 1010.10            | 984.10                | 989.58                          | 26.0                                              | 26.0                                               |  |
| 20                                      | 00+94                              | 1010.14            | 984.14                | 989.77                          | 26.0                                              | 26.0                                               |  |
| 21                                      | 00+98                              | 1010.18            | 984.18                | 989.96                          | 26.0                                              | 26.0                                               |  |
| 22                                      | 01+02                              | 1010.22            | 984.22                | 990.16                          | 26.0                                              | 26.0                                               |  |
| 23                                      | 01+06                              | 1010.26            | 984.26                | 990.36                          | 26.0                                              | 26.0                                               |  |
| 24                                      | 01+10                              | 1010.30            | 984.30                | 990.55                          | 26.0                                              | 26.0                                               |  |
| TOTALS CARRIED TO GENERAL SUMMARY       |                                    |                    |                       |                                 | 624                                               | 624                                                |  |

| CR 36 DRILLED SHAFT SUMMARY (PLUG PILE) |                                    |                       |                    |                                                   |
|-----------------------------------------|------------------------------------|-----------------------|--------------------|---------------------------------------------------|
| SHAFT NO.                               | C.L. DRILLED SHAFT STATION (CR 36) | BOTTOM ELEV. OF SHAFT | TOP ELEV. OF SHAFT | ITEM 524 DRILLED SHAFTS, 30" DIA. PLUG PILES, APP |
|                                         |                                    |                       |                    | (FT)                                              |
| 1                                       | 00+20.0                            | 999.42                | 1009.42            | 10.00                                             |
| 2                                       | 00+24.0                            | 999.46                | 1009.46            | 10.00                                             |
| 3                                       | 00+28.0                            | 999.50                | 1009.50            | 10.00                                             |
| 4                                       | 00+32.0                            | 999.54                | 1009.54            | 10.00                                             |
| 5                                       | 00+36.0                            | 999.57                | 1009.57            | 10.00                                             |
| 6                                       | 00+40.0                            | 999.61                | 1009.61            | 10.00                                             |
| 7                                       | 00+44.0                            | 999.65                | 1009.65            | 10.00                                             |
| 8                                       | 00+48.0                            | 999.69                | 1009.69            | 10.00                                             |
| 9                                       | 00+52.0                            | 999.72                | 1009.72            | 10.00                                             |
| 10                                      | 00+56.0                            | 999.76                | 1009.76            | 10.00                                             |
| 11                                      | 00+60.0                            | 999.80                | 1009.80            | 10.00                                             |
| 12                                      | 00+64.0                            | 999.84                | 1009.84            | 10.00                                             |
| 13                                      | 00+68.0                            | 999.88                | 1009.88            | 10.00                                             |
| 14                                      | 00+72.0                            | 999.91                | 1009.91            | 10.00                                             |
| 15                                      | 00+76.0                            | 999.95                | 1009.95            | 10.00                                             |
| 16                                      | 00+80.0                            | 999.99                | 1009.99            | 10.00                                             |
| 17                                      | 00+84.0                            | 1000.03               | 1010.03            | 10.00                                             |
| 18                                      | 00+88.0                            | 1000.07               | 1010.07            | 10.00                                             |
| 19                                      | 00+92.0                            | 1000.11               | 1010.11            | 10.00                                             |
| 20                                      | 00+96.0                            | 1000.14               | 1010.14            | 10.00                                             |
| 21                                      | 01+00.0                            | 1000.18               | 1010.18            | 10.00                                             |
| 22                                      | 01+04.0                            | 1000.22               | 1010.22            | 10.00                                             |
| 23                                      | 01+08.0                            | 1000.26               | 1010.26            | 10.00                                             |
| TOTALS CARRIED TO GENERAL SUMMARY       |                                    |                       |                    | 230                                               |

|                                                                                                                |  |                                  |  |           |  |                            |  |                                      |  |                |  |
|----------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|-----------|--|----------------------------|--|--------------------------------------|--|----------------|--|
| PROJECT: OAKDALE ROAD SLIP                                                                                     |  | DRILLING FIRM / OPERATOR:        |  | DSI / DSI |  | DRILL RIG:                 |  | STATION / OFFSET:                    |  | EXPLORATION ID |  |
| TYPE: ROADWAY                                                                                                  |  | SAMPLING FIRM / LOGGER:          |  | DSI / CTL |  | HAMMER: DIEDRICH AUTOMATIC |  | ALIGNMENT:                           |  | B-001-0-26     |  |
| PID: SFN:                                                                                                      |  | DRILLING METHOD: 3.25" HSA / NQ2 |  | DSI / CTL |  | CALIBRATION DATE: N/A      |  | ELEVATION: 779.9 (MSL) EOB: 18.0 ft. |  | PAGE           |  |
| START: 5/18/26 END: 5/18/26                                                                                    |  | SAMPLING METHOD: SPT / NQ2       |  | SPT / NQ2 |  | ENERGY RATIO (%): 80       |  | COORD: Not Recorded                  |  | 1 OF 1         |  |
| MATERIAL DESCRIPTION AND NOTES                                                                                 |  |                                  |  |           |  |                            |  |                                      |  |                |  |
| ASPHALT (8")<br>MEDIUM STIFF, GRAYISH-BROWN, CLAY, SOME SAND, SOME SILT, CONTAINS ASPHALT PIECES, MOIST (FILL) |  | ELEV.                            |  | DEPTHS    |  | SPT/ RQD                   |  | REC SAMPLE (%)                       |  | HP (tsf)       |  |
|                                                                                                                |  | 779.9                            |  | 1         |  | 0                          |  | -                                    |  | -              |  |
|                                                                                                                |  | 779.2                            |  | 2         |  | 2                          |  | 100                                  |  | SS-1 0.75      |  |
|                                                                                                                |  |                                  |  | 3         |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 4         |  | 3                          |  | 33                                   |  | SS-2           |  |
|                                                                                                                |  |                                  |  | 5         |  | 2                          |  |                                      |  |                |  |
|                                                                                                                |  | 773.9                            |  | 6         |  | 2                          |  | 80                                   |  | SS-3 1.50      |  |
|                                                                                                                |  |                                  |  | 7         |  | 50/4"                      |  |                                      |  |                |  |
|                                                                                                                |  | 771.9                            |  | 8         |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 9         |  | 50                         |  | 55                                   |  | CORE           |  |
|                                                                                                                |  |                                  |  | 10        |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 11        |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 12        |  | 94                         |  | 100                                  |  | CORE           |  |
|                                                                                                                |  |                                  |  | 13        |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 14        |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 15        |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 16        |  |                            |  |                                      |  |                |  |
|                                                                                                                |  |                                  |  | 17        |  | 100                        |  | 100                                  |  | CORE           |  |
|                                                                                                                |  | 18                               |  | EOB       |  |                            |  |                                      |  |                |  |
|                                                                                                                |  | 761.9                            |  |           |  |                            |  |                                      |  |                |  |

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

|                                                                                     |  |                                  |  |           |  |                            |  |                                      |  |                |  |
|-------------------------------------------------------------------------------------|--|----------------------------------|--|-----------|--|----------------------------|--|--------------------------------------|--|----------------|--|
| PROJECT: OAKDALE ROAD SLIP                                                          |  | DRILLING FIRM / OPERATOR:        |  | DSI / DSI |  | DRILL RIG:                 |  | STATION / OFFSET:                    |  | EXPLORATION ID |  |
| TYPE: ROADWAY                                                                       |  | SAMPLING FIRM / LOGGER:          |  | DSI / CTL |  | HAMMER: DIEDRICH AUTOMATIC |  | ALIGNMENT:                           |  | B-002-0-26     |  |
| PID: SFN:                                                                           |  | DRILLING METHOD: 3.25" HSA / NQ2 |  | DSI / CTL |  | CALIBRATION DATE: N/A      |  | ELEVATION: 779.1 (MSL) EOB: 20.5 ft. |  | PAGE           |  |
| START: 5/18/26 END: 5/18/26                                                         |  | SAMPLING METHOD: SPT / NQ2       |  | SPT / NQ2 |  | ENERGY RATIO (%): 80       |  | COORD: Not Recorded                  |  | 1 OF 1         |  |
| MATERIAL DESCRIPTION AND NOTES                                                      |  |                                  |  |           |  |                            |  |                                      |  |                |  |
| ASPHALT (8")<br>STIFF, BROWN, CLAY, SOME SAND, CONTAINS ASPHALT PIECES, DAMP (FILL) |  | ELEV.                            |  | DEPTHS    |  | SPT/ RQD                   |  | REC SAMPLE (%)                       |  | HP (tsf)       |  |
|                                                                                     |  | 779.1                            |  | 1         |  | 2                          |  | 7                                    |  | 2.00           |  |
|                                                                                     |  | 778.4                            |  | 2         |  | 2                          |  | 100                                  |  | SS-1           |  |
|                                                                                     |  |                                  |  | 3         |  |                            |  |                                      |  |                |  |
|                                                                                     |  |                                  |  | 4         |  | 2                          |  | 89                                   |  | SS-2 1.75      |  |
|                                                                                     |  |                                  |  | 5         |  | 3                          |  |                                      |  |                |  |
|                                                                                     |  | 774.1                            |  | 6         |  | 5                          |  | 20                                   |  | SS-3           |  |
|                                                                                     |  |                                  |  | 7         |  | 8                          |  | 67                                   |  |                |  |
|                                                                                     |  | 771.1                            |  | 8         |  | 7                          |  | 78                                   |  | SS-4           |  |
|                                                                                     |  |                                  |  | 9         |  | 11                         |  | 64                                   |  |                |  |
|                                                                                     |  |                                  |  | 10        |  | 22                         |  | 70                                   |  |                |  |
|                                                                                     |  |                                  |  | 11        |  | 26                         |  |                                      |  |                |  |
|                                                                                     |  |                                  |  | 12        |  |                            |  |                                      |  |                |  |
|                                                                                     |  |                                  |  | 13        |  | 58                         |  | 100                                  |  | CORE           |  |
|                                                                                     |  |                                  |  | 14        |  |                            |  |                                      |  |                |  |
|                                                                                     |  |                                  |  | 15        |  |                            |  |                                      |  |                |  |
|                                                                                     |  |                                  |  | 16        |  |                            |  |                                      |  |                |  |
|                                                                                     |  |                                  |  | 17        |  |                            |  |                                      |  |                |  |
|                                                                                     |  | 18                               |  | 100       |  | 100                        |  | CORE                                 |  |                |  |
|                                                                                     |  | 19                               |  |           |  |                            |  |                                      |  |                |  |
|                                                                                     |  | 20                               |  | EOB       |  |                            |  |                                      |  |                |  |
|                                                                                     |  | 758.6                            |  |           |  |                            |  |                                      |  |                |  |

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

| PROJECT: ATH-CR36-5.17                                                                          |  |  | DRILLING FIRM / OPERATOR: DSI / DSI |  |  | DRILL RIG: DIETRICH D-50                                                            |        |             | STATION / OFFSET:                     |                |          | EXPLORATION ID |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|-------------------------------------------------------------------------------------------------|--|--|-------------------------------------|--|--|-------------------------------------------------------------------------------------|--------|-------------|---------------------------------------|----------------|----------|----------------|------|----|----|----|----------------|-----------|----|----|----|----------|----------|---|----|-----------|------|
| TYPE: ROADWAY                                                                                   |  |  | SAMPLING FIRM / LOGGER: CTL / CTL   |  |  | HAMMER: DIETRICH AUTOMATIC                                                          |        |             | ALIGNMENT:                            |                |          | B-001-0-26     |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| PID: SFN:                                                                                       |  |  | DRILLING METHOD: 3.25" HSA / NQ2    |  |  | CALIBRATION DATE: N/A                                                               |        |             | ELEVATION: 1011.6 (MSL) EOB: 31.0 ft. |                |          | PAGE           |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| START: 5/19/26 END: 5/19/26                                                                     |  |  | SAMPLING METHOD: SPT / NQ2          |  |  | ENERGY RATIO (%): 80                                                                |        |             | COORD: Not Recorded                   |                |          | 1 OF 2         |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| MATERIAL DESCRIPTION AND NOTES                                                                  |  |  |                                     |  |  | ELEV.                                                                               | DEPTHS | SPT/<br>RQD | N <sub>60</sub>                       | REC SAMPLE (%) | HP (tsf) | GRADATION (%)  |      |    |    |    | ODOT CLASS (G) | ABANDONED |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  | 1011.6                                                                              |        |             |                                       |                |          | GR             | CS   | FS | SI | CL | LL             | PL        | PI | WC |    |          |          |   |    |           |      |
| ASPHALT (10")                                                                                   |  |  |                                     |  |  |  | 1      |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 2      | 12          | 39                                    | 44             | 4.50     | -              | -    | -  | -  | -  | -              | -         | -  | -  | -  | -        | -        | - | 12 | A-7-6 (V) |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 3      | 15          | 14                                    |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 4      | 5           | 6                                     | 19             | 100      | 4.50           | -    | -  | -  | -  | -              | -         | -  | -  | -  | -        | -        | - | 15 | A-7-6 (V) |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 5      | 8           |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| HARD, TAN, CLAY, SOME SAND, DRY                                                                 |  |  |                                     |  |  | 1008.1                                                                              | 6      | 6           | 73                                    | 100            | SS-3     | 4.50           | -    | -  | -  | -  | -              | -         | -  | -  | -  | 17       | Rock (V) |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 7      | 20          | 35                                    |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 8      |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 9      | 10          | 14                                    | 53             | 89       | 4.50           | -    | -  | -  | -  | -              | -         | -  | -  | -  | -        | -        | - | 15 | Rock (V)  |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 10     | 26          |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| CLAYSTONE, TAN, SEVERELY WEATHERED.                                                             |  |  |                                     |  |  | 1005.6                                                                              | 11     | 50/5"       | -                                     | 100            | SS-5     | -              | -    | -  | -  | -  | -              | -         | -  | -  | 13 | Rock (V) |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 12     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 13     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 14     | 24          | 50/5"                                 | -              | 100      | SS-6           | 4.50 | -  | -  | -  | -              | -         | -  | -  | -  | -        | -        | - | 17 | Rock (V)  |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 15     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| SHALE, OLIVE GRAY, MODERATELY WEATHERED, MODERATELY STRONG.                                     |  |  |                                     |  |  | 995.6                                                                               | 16     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 17     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 18     | 32          |                                       | 42             |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           | CORE |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 19     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 20     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| CLAYSTONE, OLIVE GRAY, MODERATELY WEATHERED, MODERATELY STRONG, MICACEOUS, MODERATE FRACTURING. |  |  |                                     |  |  | 993.6                                                                               | 21     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 22     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 23     | 36          |                                       | 80             |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           | CORE |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 24     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 25     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
| CLAYSTONE, DARK REDDISH-BROWN, SEVERELY WEATHERED. VERY WEAK.                                   |  |  |                                     |  |  | 987.6                                                                               | 26     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 27     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 28     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 29     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |
|                                                                                                 |  |  |                                     |  |  |                                                                                     | 30     |             |                                       |                |          |                |      |    |    |    |                |           |    |    |    |          |          |   |    |           |      |

| PID:                                                                                                                 | SFN: | PROJECT: | ATH-CR36-5.17 | STATION / OFFSET: |        |             | START: 5/19/26  |                   |             | END: 5/19/26  |    |    | PG 2 OF 2 |    |                   | B-001-0-26     |    |    |    |  |  |
|----------------------------------------------------------------------------------------------------------------------|------|----------|---------------|-------------------|--------|-------------|-----------------|-------------------|-------------|---------------|----|----|-----------|----|-------------------|----------------|----|----|----|--|--|
| MATERIAL DESCRIPTION AND NOTES                                                                                       |      |          |               | ELEV.             | DEPTHS | SPT/<br>RQD | N <sub>60</sub> | REC SAMPLE<br>(%) | HP<br>(tsf) | GRADATION (%) |    |    | ATTERBERG |    | ODOT<br>CLASS (G) | ABAN-<br>DONED |    |    |    |  |  |
| CLAYSTONE, DARK REDDISH-BROWN, SEVERELY WEATHERED, VERY WEAK. (continued)<br>@ 26.0'; Compressive Strength = 310 psi |      |          |               | 986.6             |        |             |                 |                   |             |               | GR | CS | FS        | SI | CL                | LL             | PL | PI | WC |  |  |
|                                                                                                                      |      |          |               |                   | 26     |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   | 27     |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   | 28     |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   | 29     |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 | 80                |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        | 24          |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |
|                                                                                                                      |      |          |               |                   |        |             |                 |                   |             |               |    |    |           |    |                   |                |    |    |    |  |  |

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

|                                                                                                                |  |                                     |  |                            |  |                                       |  |                |  |                            |  |                 |  |             |  |
|----------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|----------------------------|--|---------------------------------------|--|----------------|--|----------------------------|--|-----------------|--|-------------|--|
| PROJECT: ATH-CR36-5.17                                                                                         |  | DRILLING FIRM / OPERATOR: DSI / DSI |  | DRILL RIG: DIEDRICH D-50   |  | STATION / OFFSET:                     |  | EXPLORATION ID |  |                            |  |                 |  |             |  |
| TYPE: ROADWAY                                                                                                  |  | SAMPLING FIRM / LOGGER: CTL / CTL   |  | HAMMER: DIEDRICH AUTOMATIC |  | ALIGNMENT:                            |  | B-002-0-26     |  |                            |  |                 |  |             |  |
| PID: SFN:                                                                                                      |  | DRILLING METHOD: 3.25" HSA / NQ2    |  | CALIBRATION DATE: N/A      |  | ELEVATION: 1010.4 (MSL) EOB: 30.0 ft. |  | PAGE           |  |                            |  |                 |  |             |  |
| START: 5/19/26 END: 5/19/26                                                                                    |  | SAMPLING METHOD: SPT / NQ2          |  | ENERGY RATIO (%): 80       |  | COORD: Not Recorded                   |  | 1 OF 2         |  |                            |  |                 |  |             |  |
| <div>MATERIAL DESCRIPTION AND NOTES</div>                                                                      |  |                                     |  |                            |  |                                       |  |                |  |                            |  |                 |  |             |  |
| ASPHALT (9")                                                                                                   |  | ELEV.                               |  | SPT/ RQD                   |  | REC SAMPLE                            |  | GRADATION (%)  |  | ATTERBERG                  |  | ODOT CLASS (GI) |  | ABAN- DONED |  |
|                                                                                                                |  | 1010.4                              |  | DEPTHS                     |  | ID                                    |  | (tsf)          |  | GR CS FS SI CL LL PL PI WC |  |                 |  |             |  |
| VERY STIFF, BROWN, CLAY, "AND" SAND, DAMP (FILL)                                                               |  | 1009.6                              |  | 1                          |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 2                          |  | 12                                    |  | 72             |  | SS-1                       |  | 4.00            |  | 16          |  |
|                                                                                                                |  |                                     |  | 3                          |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 4                          |  | 15                                    |  | 89             |  | SS-2                       |  | 4.50            |  | 16          |  |
|                                                                                                                |  |                                     |  | 5                          |  |                                       |  |                |  |                            |  |                 |  |             |  |
| HARD, TAN/RED, CLAY, DAMP                                                                                      |  | 1004.4                              |  | 6                          |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 7                          |  | 35                                    |  | 100            |  | SS-3                       |  | 4.50            |  | 16          |  |
|                                                                                                                |  |                                     |  | 8                          |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 9                          |  | 16                                    |  | 87             |  | SS-4                       |  | 4.50            |  | 14          |  |
|                                                                                                                |  |                                     |  | 10                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
| CLAYSTONE, TAN, SEVERELY WEATHERED.                                                                            |  | 1001.9                              |  | 11                         |  | 100                                   |  | SS-5           |  | 4.50                       |  |                 |  | 13          |  |
|                                                                                                                |  |                                     |  | 12                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 13                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 14                         |  | 79                                    |  | 89             |  | SS-6                       |  | 4.50            |  | 14          |  |
|                                                                                                                |  |                                     |  | 15                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
| @ 13.5' GRAY                                                                                                   |  |                                     |  | 16                         |  | 100                                   |  | SS-7           |  |                            |  |                 |  | Rock (V)    |  |
|                                                                                                                |  |                                     |  | 17                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 18                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 19                         |  | 0                                     |  | 0              |  | SS-8                       |  |                 |  | Rock (V)    |  |
|                                                                                                                |  |                                     |  | 20                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
| CLAYSTONE, OLIVE GRAY, MODERATELY TO SEVERELY WEATHERED, MODERATELY STRONG. @ 20.0' to 22.0'; Highly Fractured |  | 990.4                               |  | 21                         |  | 60                                    |  |                |  |                            |  |                 |  | CORE        |  |
|                                                                                                                |  |                                     |  | 22                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 23                         |  |                                       |  |                |  |                            |  |                 |  |             |  |
|                                                                                                                |  |                                     |  | 24                         |  | 74                                    |  |                |  |                            |  |                 |  | CORE        |  |
|                                                                                                                |  |                                     |  |                            |  |                                       |  |                |  |                            |  |                 |  |             |  |

|                                                                                                     |  |       |  |                        |  |                   |  |                |  |                            |  |                 |  |             |  |
|-----------------------------------------------------------------------------------------------------|--|-------|--|------------------------|--|-------------------|--|----------------|--|----------------------------|--|-----------------|--|-------------|--|
| PID:                                                                                                |  | SFN:  |  | PROJECT: ATH-CR36-5.17 |  | STATION / OFFSET: |  | START: 5/19/26 |  | END: 5/19/26               |  | PG 2 OF 2       |  | B-002-0-26  |  |
| <div>MATERIAL DESCRIPTION AND NOTES</div>                                                           |  |       |  |                        |  |                   |  |                |  |                            |  |                 |  |             |  |
| SHALE, OLIVE GRAY, HIGHLY TO SEVERELY WEATHERED, VERY WEAK. @ 26.0'; Compressive Strength = 300 psi |  | ELEV. |  | SPT/ RQD               |  | REC SAMPLE        |  | GRADATION (%)  |  | ATTERBERG                  |  | ODOT CLASS (GI) |  | ABAN- DONED |  |
|                                                                                                     |  | 985.4 |  | DEPTHS                 |  | ID                |  | (tsf)          |  | GR CS FS SI CL LL PL PI WC |  |                 |  |             |  |
|                                                                                                     |  | 984.4 |  | 26                     |  |                   |  |                |  |                            |  |                 |  |             |  |
|                                                                                                     |  | 983.4 |  | 27                     |  |                   |  |                |  |                            |  |                 |  |             |  |
|                                                                                                     |  | 982.4 |  | 28                     |  | 100               |  |                |  |                            |  |                 |  | CORE        |  |
| CLAYSTONE, OLIVE GRAY, MODERATELY WEATHERED, MODERATELY STRONG, HIGHLY FRACTURED.                   |  |       |  | 29                     |  |                   |  |                |  |                            |  |                 |  |             |  |
|                                                                                                     |  | 980.4 |  | 30                     |  |                   |  |                |  |                            |  |                 |  |             |  |
| SHALE, GRAY, SLIGHTLY WEATHERED, MODERATELY STRONG.                                                 |  |       |  | EOB                    |  |                   |  |                |  |                            |  |                 |  |             |  |
|                                                                                                     |  |       |  |                        |  |                   |  |                |  |                            |  |                 |  |             |  |

NOTES: CAVED AT 25.2'

ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: ATH-CR36-5.17

TYPE: ROADWAY

PID: SFN:

START: 5/19/26

END: 5/19/26

DRILLING FIRM / OPERATOR:

SAMPLING FIRM / LOGGER:

DRILLING METHOD:

SAMPLING METHOD:

DSI / DSI

CTL / CTL

3.25" HSA / NQ2

SPT / NQ2

DRILL RIG:

DIEDRICH D-50

HAMMER: DIEDRICH AUTOMATIC

DRILLING DATE:

N/A

ENERGY RATIO (%):

80

STATION / OFFSET:

ALIGNMENT:

ELEVATION: 1009.8 (MSL) EOB:

30.0 ft.

COORD:

Not Recorded

EXPLORATION ID

B-003-0-26

PAGE

1 OF 2

| MATERIAL DESCRIPTION<br>AND NOTES                                                                               | ELEV.  | DEPTHS | SPT/<br>RQD | N <sub>60</sub> | REC SAMPLE<br>(%) | ID   | HP<br>(tsf) | GRADATION (%) |    |    |    | ATTERBERG |    |    |    | WC | ODOT<br>CLASS (GI) | ABAN-<br>DONED |
|-----------------------------------------------------------------------------------------------------------------|--------|--------|-------------|-----------------|-------------------|------|-------------|---------------|----|----|----|-----------|----|----|----|----|--------------------|----------------|
|                                                                                                                 |        |        |             |                 |                   |      |             | GR            | CS | FS | SI | CL        | LL | PL | PI |    |                    |                |
| ASPHALT (10")<br><br>VERY STIFF, TAN, CLAY, "AND" SAND, MOIST (FILL)                                            | 1009.8 |        |             |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 | 1009.0 |        | 1           |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 2           | 15              | 100               | SS-1 | 3.75        | -             | -  | -  | -  | -         | -  | -  | -  | 23 | A-7-6 (V)          |                |
|                                                                                                                 | 1006.3 |        | 3           |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 4           | 37              | 89                | SS-2 | 2.75        | -             | -  | -  | -  | -         | -  | -  | -  | 24 | A-7-6 (V)          |                |
| VERY STIFF, TAN, CLAY, MOIST                                                                                    |        |        | 5           |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 | 1003.8 | TR     | 6           |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 7           | 69              | 100               | SS-3 | 4.50        | -             | -  | -  | -  | -         | -  | -  | -  | 13 | Rock (V)           |                |
|                                                                                                                 |        |        | 8           |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 9           | 41              | 83                | SS-4 | 4.50        | -             | -  | -  | -  | -         | -  | -  | -  | 18 | Rock (V)           |                |
| @ 11.0"; GRAY                                                                                                   |        |        | 10          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 11          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 12          | 75              | 94                | SS-5 | 4.50        | -             | -  | -  | -  | -         | -  | -  | -  | 13 | Rock (V)           |                |
|                                                                                                                 |        |        | 13          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 14          | 84              | 83                | SS-6 | 4.50        | -             | -  | -  | -  | -         | -  | -  | -  | 13 | Rock (V)           |                |
| CLAYSTONE, TAN, HIGHLY WEATHERED, WITH<br>INTERBEDDED SHALE.                                                    | 993.8  |        | 15          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 16          |                 | 100               | SS-7 | -           | -             | -  | -  | -  | -         | -  | -  | -  | 5  | Rock (V)           |                |
|                                                                                                                 |        |        | 17          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 18          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 19          |                 | 0                 | SS-8 | -           | -             | -  | -  | -  | -         | -  | -  | -  | -  | Rock (V)           |                |
| CLAYSTONE, OLIVE GRAY, MODERATELY TO HIGHLY<br>WEATHERED, VERY WEAK.<br>@ 21.0"; Compressive Strength = 490 psi | 989.8  |        | 20          |                 | 50                |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 21          |                 | 50                |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 22          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 23          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 24          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
| CLAYSTONE, OLIVE GRAY, HIGHLY TO SEVERELY<br>WEATHERED, VERY WEAK TO WEA.                                       | 986.1  |        | 25          |                 | 100               |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 26          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 27          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 28          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
|                                                                                                                 |        |        | 29          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |
| SHALE, DARK GRAY, SLIGHTLY WEATHERED,<br>MODERATELY STRONG TO SLIGHTLY STRONG.                                  | 979.8  | EOB    | 30          |                 |                   |      |             |               |    |    |    |           |    |    |    |    |                    |                |

| PID:                                                                                   | SFN: | PROJECT: | ATH-CR36-5.17 | STATION / OFFSET: | START: 5/19/26 | END: 5/19/26 | PG 2 OF 2  | B-003-0-26  |               |  |  |           |  |  |    |                    |                |  |  |
|----------------------------------------------------------------------------------------|------|----------|---------------|-------------------|----------------|--------------|------------|-------------|---------------|--|--|-----------|--|--|----|--------------------|----------------|--|--|
| MATERIAL DESCRIPTION<br>AND NOTES                                                      |      |          |               | ELEV.             | DEPTHS         | SPT/<br>RQD  | REC<br>(%) | HP<br>(tsf) | GRADATION (%) |  |  | ATTERBERG |  |  | WC | ODOT<br>CLASS (GI) | ABAN-<br>DONED |  |  |
| CLAYSTONE, OLIVE GRAY, HIGHLY TO SEVERELY<br>WEATHERED, VERY WEAK TO WEAK. (continued) |      |          |               | 984.8             |                |              |            |             |               |  |  |           |  |  |    |                    |                |  |  |
|                                                                                        |      |          |               |                   | 26             |              |            |             |               |  |  |           |  |  |    |                    |                |  |  |
|                                                                                        |      |          |               |                   | 27             |              |            |             |               |  |  |           |  |  |    |                    |                |  |  |
|                                                                                        |      |          |               |                   | 28             |              |            |             |               |  |  |           |  |  |    |                    |                |  |  |
| SHALE, DARK GRAY, SLIGHTLY WEATHERED,<br>MODERATELY STRONG TO SLIGHTLY STRONG.         |      |          |               | 982.0             |                | 25           | 100        |             |               |  |  |           |  |  |    |                    | CORE           |  |  |
|                                                                                        |      |          |               |                   | 29             |              |            |             |               |  |  |           |  |  |    |                    |                |  |  |
|                                                                                        |      |          |               | 979.8             |                |              |            |             |               |  |  |           |  |  |    |                    |                |  |  |

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS