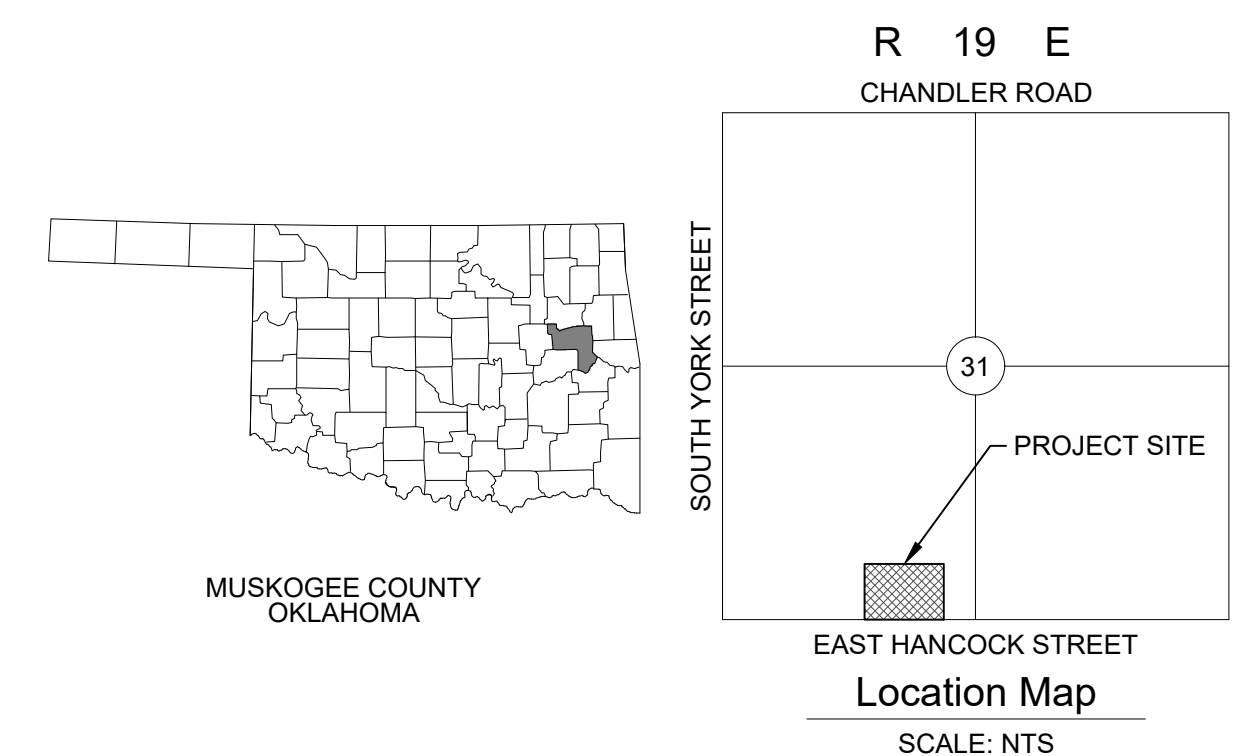
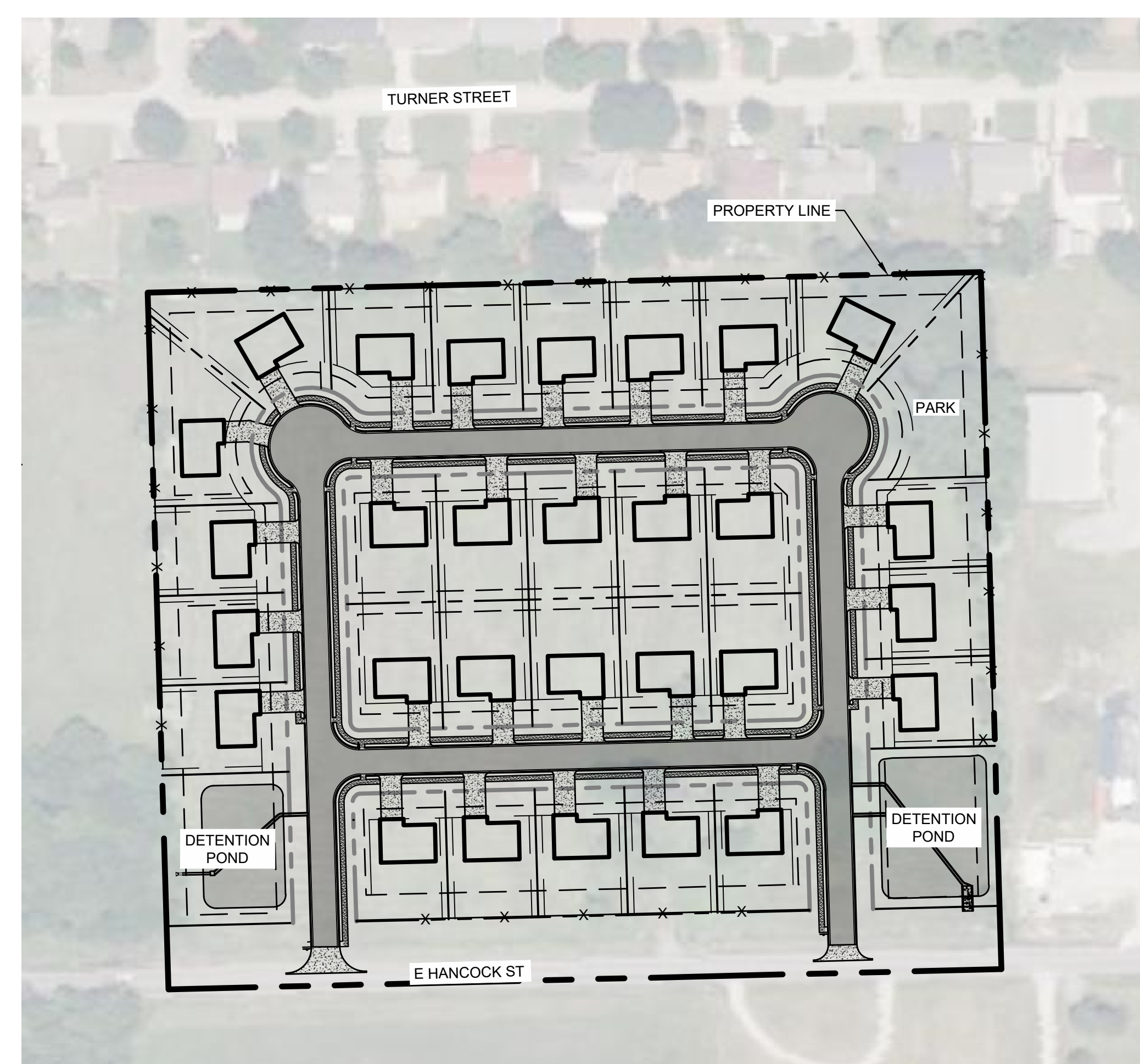


CONSTRUCTION DOCUMENTS FOR WARRIOR ADDITION

MUSKOGEE, OKLAHOMA
SE 1/4 OF THE SW 1/4 OF
SEC. 31, T 15 N, R 19 E



| ABBREVIATIONS | LINETYPES | SYMBOLS |
|--------------------|-----------|--------------------------------|
| (M) MEASURED DATA | SF | UTILITY POLE |
| (R) RECORD DATA | | LIGHT POLE |
| BC BACK OF CURB | | GUY ANCHOR |
| BL BUILDING LINE | | ELECTRIC BOX |
| CL CENTERLINE | | ELECTRIC METER |
| EG EXISTING GRADE | | ELECTRIC TRANSFORMER |
| FF FINISHED FLOOR | | A/C UNIT |
| FG FINISHED GRADE | | ELECTRIC MANHOLE |
| FL FLOWLINE | X X | GAS METER |
| GL GUTTER LINE | | GAS VALVE |
| HP HIGH POINT | | OIL/GAS WELLHEAD |
| INV INVERT | | VENT PIPE |
| LF LINEAR FEET | FO | PIPELINE MARKER |
| LP LOW POINT | OC | COMMUNICATION PEDESTAL |
| ME MATCH EXISTING | UC | COMMUNICATION MANHOLE |
| RW RIGHT-OF-WAY | OE | SEWER CLEAN-OUT |
| SF SQUARE FEET | UE | SANITARY SEWER MANHOLE |
| SY SQUARE YARDS | G | DOWNSPOUT |
| TBK TOP OF BANK | FM | ROOF DRAIN |
| TC TOP OF CURB | SS | STORM DRAIN MANHOLE |
| TG TOP OF GRATE | SS | STORM DRAIN SERVICE CONNECTION |
| TOE TOE OF BANK | | FIRE DEPARTMENT CONNECTION |
| TP TOP OF PAVEMENT | | FIRE HYDRANT |
| TR TOP OF RIM | | IRRIGATION CONTROL VALVE |
| TS TOP OF SIDEWALK | SD | SHUT-OFF VALVE |
| TW TOP OF WALL | F | SPRINKLER HEAD |
| | W | WATER METER |
| | WSL | WATER VALVE |
| | IRR | YARD HYDRANT |
| | | PIPE BOLLARD |
| | | BENCHMARK |
| | | ACCESSIBLE PARKING |
| | | MAILBOX |
| | | MONITORING WELL |
| | | POT HOLE |
| | | SIGN |



| Sheet Number | Sheet Title |
|--------------|-----------------------------------|
| C100 | COVER SHEET |
| C101 | GENERAL NOTES |
| C200 | SURVEY |
| C300 | DEMOLITION & EROSION CONTROL PLAN |
| C400 | SITE PLAN |
| C500 | GRADING PLAN |
| C501 | EXISTING DRAINAGE MAP |
| C502 | PROPOSED DRAINAGE MAP |
| C503 | WEST DETENTION POND |
| C504 | EAST DETENTION POND |
| C600 | UTILITY MAINS PLAN |
| C601 | SANITARY SEWER PLAN & PROFILE |
| C602 | SANITARY SEWER PLAN & PROFILE |
| C603 | SANITARY SEWER PLAN & PROFILE |
| C604 | SANITARY SEWER PLAN & PROFILE |
| C605 | SANITARY SEWER PLAN & PROFILE |
| C606 | SANITARY SEWER PLAN & PROFILE |
| C607 | WATERLINE PLAN & PROFILE |
| C608 | WATERLINE PLAN & PROFILE |
| C609 | WATERLINE PLAN & PROFILE |
| C610 | WATERLINE PLAN & PROFILE |
| C611 | WATERLINE PLAN & PROFILE |
| C700 | GEOMETRIC PLAN |
| C701 | OVERALL STREET PLAN |
| C702 | STREET PLAN & PROFILE |
| C703 | STREET PLAN & PROFILE |
| C704 | STREET PLAN & PROFILE |
| C705 | STREET PLAN & PROFILE |
| C706 | INTERSECTION DETAILS |
| C800 | DETAILS |
| C801 | UTILITY DETAILS |
| C802 | UTILITY DETAILS |

| |
|--------|
| TCS5-1 |
| TSD-3 |
| WCR-4 |

| BENCHMARK | BENCHMARK | BENCHMARK |
|----------------|----------------|----------------|
| 3/8" IRON PIN | 3/8" IRON PIN | 3/8" IRON PIN |
| ELEV: 550.47 | ELEV: 553.06 | ELEV: 545.97 |
| N: 275615.756 | N: 275406.175 | N: 275220.978 |
| E: 2759630.974 | E: 2759460.290 | E: 2780033.356 |

CONTACTS:

CITY
THE CITY OF MUSKOGEE
229 W OKMULGEE AVE
MUSKOGEE, OKLAHOMA 74401
(918) 682-6602
ATTN: MIKE MILLER

WATER
MUSKOGEE PUBLIC WORKS
301 SOUTH CHEROKEE
MUSKOGEE, OKLAHOMA 74403
(918) 684-6333
ATTN: MIKE STEWART

SANITARY
MUSKOGEE PUBLIC WORKS
301 SOUTH CHEROKEE
MUSKOGEE, OKLAHOMA 74401
(918) 684-6333
ATTN: MIKE STEWART

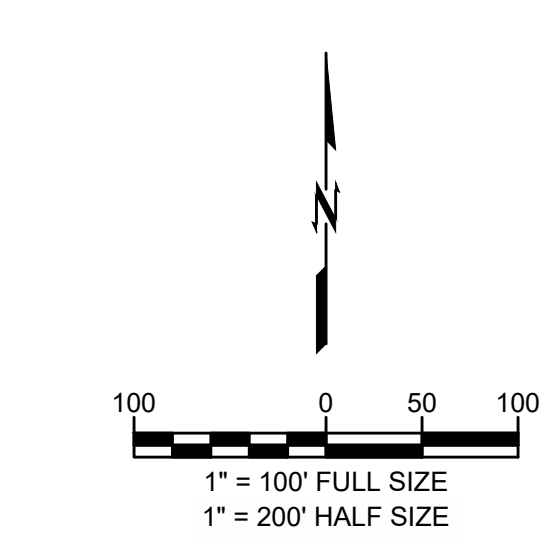
FIRE
MUSKOGEE FIRE DEPARTMENT
229 WEST MUSKOGEE AVENUE
MUSKOGEE, OKLAHOMA 74401
(918) 684-6602
ATTN: CHIEF JODY MOORE

ELECTRIC
OG&E
PO BOX 321
OKLAHOMA CITY, OKLAHOMA 73101
(918) 227-6206
ATTN: KEITH MELSON

GAS
ONG
5848 EAST 15TH STREET
TULSA, OKLAHOMA 74112
(918) 831-8251
ATTN: KIMBERLY CUDE

COMMUNICATIONS
AT&T
509 SOUTH DETROIT AVENUE
TULSA, OKLAHOMA 74120
(800) 640.8911
ATTN: JIMMIE PRICE

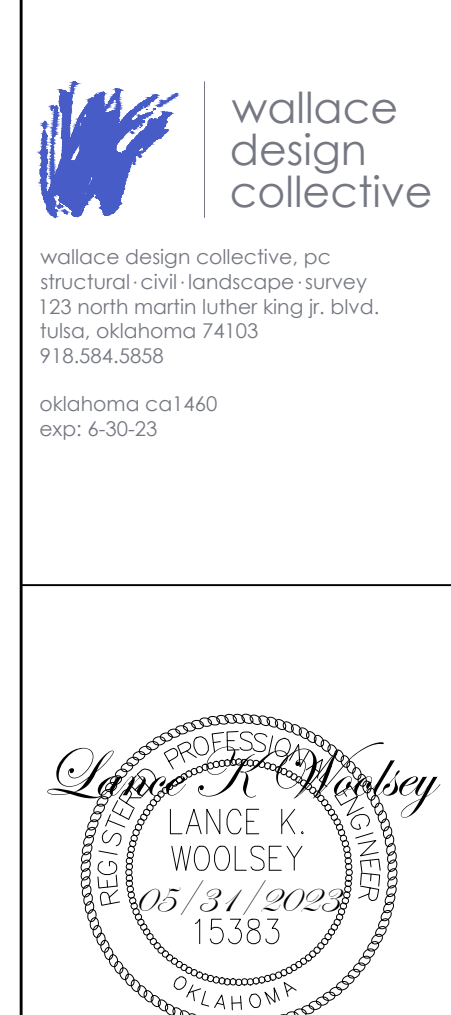
ENGINEER
WALLACE DESIGN COLLECTIVE, PC
LANCE K. WOOLSEY, P.E.
123 NORTH MARTIN LUTHER KING JR
BOULEVARD
TULSA, OKLAHOMA 74103
(918) 584-5858
LANCE.WOOLSEY@WALLACE.DESIGN



811
Know what's below.
Call before you dig.

**CAUTION
NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.



WARRIOR ADDITION
CHEROKEE NATION
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME: COVER SHEET
SHEET NO.: C100

I:\Civil\Server\Projects\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C100 Cover Sheet.dwg
 PLOT: 5/13/2023 4:31:06 PM
 ORIG SIZE: 24"X36"

GENERAL NOTES:

- CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEEP ON A DAILY BASIS OR MORE FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY. RESTORE DAMAGED IMPROVEMENTS TO ORIGINAL CONDITION AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES.
- ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES, AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
- UNLESS SPECIFIED OTHERWISE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS, AND REGULATIONS OF THE CITY OF MUSKOGEE, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY, AND STATE DEPARTMENT OF TRANSPORTATION, AND/OR THE APPROPRIATE LOCAL AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, PERMIT FEES, LICENSES, LICENSE FEES, TAP FEES, ETC.
- ALL ELEVATIONS IN PAVED AREAS ARE TOP OF FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
- RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ENGINEER BEFORE ANY UTILITY RELOCATION.
- NO DIMENSION MAY BE SCALED. REFER UNCLEAR ITEMS TO THE ENGINEER FOR INTERPRETATION.

EXCAVATION NOTIFICATION

- ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS).
- CONTRACTORS TO CALL 811 (OR VISIT CALL811.COM) TO REQUEST UTILITY LOCATES. ONCE COMPLETION OF MARKINGS HAS BEEN CONFIRMED BY THE CONTRACTOR, NO AUTOMATED OR MECHANICAL EQUIPMENT SHOULD BE USED WITHIN TWO FEET ON EITHER SIDE OF THE MARKINGS (OR ANOTHER MORE STRINGENT TOLERANCE AS DIRECTED), AND EXISTING FACILITIES MUST BE EXPOSED BY HAND.
- EXISTING UTILITY LOCATIONS SHOWN SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

SITE ACCESSIBILITY

- ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, ACCESSIBLE PARKING, AND ACCESSIBLE ROUTES SHALL COMPLY WITH THE APPLICABLE ACCESSIBILITY CODES (AMERICAN DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES; THE PROPOSED PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) PUBLISHED IN THE FEDERAL REGISTER JULY 2011; INTERNATIONAL BUILDING CODE (IBC); ICC A117.1; ETC.)
- WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THESE GUIDELINES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THESE GUIDELINES WITHOUT PRIOR, WRITTEN PERMISSION FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THESE GUIDELINES, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- GENERAL SLOPE GUIDANCE:
 - CROSS SLOPES SHALL NOT EXCEED 1:50 (2.0%). PREFERRED SLOPE IS 1.5%.
 - RUNNING SLOPES SHALL NOT EXCEED 5% EXCEPT AT RAMPS. PREFERRED MAXIMUM SLOPE IS 4.5%.
 - RAMP RUNNING SLOPES SHALL NOT EXCEED 1:12 (8.3%). PREFERRED MAXIMUM SLOPE IS 7.8%.
 - SLOPES AT LANDINGS, ACCESSIBLE PARKING STALLS, AND ACCESSIBLE AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION. PREFERRED MAXIMUM SLOPE IS 1.5%.
 - EXCEPTIONS WITHIN THE PUBLIC RIGHT-OF-WAY: WHERE THE ESTABLISHED ADJACENT STREET GRADE EXCEEDS 5%, RUNNING SLOPES PARALLEL TO THE STREET SLOPES SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET. CURB RAMP RUNNING SLOPE CAN EXCEED 8.3% TO LIMIT THE RESULTING THE RAMP LENGTH TO 15 FEET.

GEOTECHNICAL

- [NONE PROVIDED] ALL WORK SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY BUILDING & EARTH DATED 03/08/2023.

SURVEY

- EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION ARE SHOWN PER THE FIELD SURVEY PERFORMED BY BENNETT SURVEYING, INC. DATED 01/26/2023

AS-BUILTS:

THE CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED INK) ALL CHANGES MADE TO THE APPROVED PLANS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS, CHANGES MADE BY THE ENGINEER OF RECORD, OR CHANGES REQUESTED BY REPRESENTATIVES OF THE JURISDICTIONS HAVING AUTHORITY. ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE ENGINEER OF RECORD PER AN RFI SUBMITTAL PROCESS. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE ENGINEER OF RECORD AFTER FINAL INSPECTION OF THE PROJECT TO SERVE AS A BASIS FOR DEVELOPMENT OF FINAL AS-BUILT RECORD DOCUMENTS.

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AND CITY OF MUSKOGEE STANDARDS.
- ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF THE PROJECT, INCLUDING CONCRETE AND CURB REMOVAL, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF MATERIAL IS TO BE DISPOSED OF OFFSITE.
- THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE LOCAL AUTHORITY TO ESTABLISH, INSTALL, MAINTAIN AND OPERATE COMPLETE, ADEQUATE AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS NECESSARY TO CLOSE ANY PORTION OF ANY STREET TO ACCOMMODATE ANY PHASE OF CONSTRUCTION, THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO CHEROKEE NATION ROADS AND LOCAL AUTHORITY PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO COMMENCING THE PHASE OF WORK. ALL TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE CHEROKEE NATION ROADS AND LOCAL AUTHORITY PUBLIC WORKS. THE CONTRACTOR SHALL PLACE TRAFFIC CONTROL FLAGMEN, BARRICADES AND ALL OTHER DEVICES WITHIN THE VICINITY OF THE CONSTRUCTION AS REQUIRED. ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO STANDARDS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- WHERE MATERIALS ARE TRANSPORTED IN THE EXECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND CAPACITY RECOMMENDED BY THE MANUFACTURER OF THE VEHICLE OR PRESCRIBED BY FEDERAL, TRIBAL, STATE OR LOCAL LAW OR REGULATION.
- LOCAL AND THRU TRAFFIC SHALL BE MAINTAINED THROUGH PROJECT AT ALL TIMES. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE FOR TRAFFIC AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
- PHYSICAL TESTING FOR QUALITY ASSURANCE WILL BE FURNISHED BY THE CONTRACTOR.
- CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
- CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET OR UTILITY EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, TRIBAL, STATE OR LOCAL LAWS GOVERNING HEALTH, SAFETY AND SANITATION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT THE CONTRACTOR OR THE ENGINEER DETERMINE REASONABLY NECESSARY TO PROTECT THE PUBLIC, MOTORIST, PEDESTRIANS OR PROPERTY FROM HARM OR DAMAGE IN CONNECTION WITH THE PERFORMANCE OF THE WORK UNDER THIS CONTRACT.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MINIMIZE DAMAGE TO TREES, SHRUBS, IRRIGATION SYSTEMS AND EXISTING LANDSCAPING DURING CONSTRUCTION, AND SHALL REPAIR ALL DAMAGE CAUSED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE AREAS SURROUNDING AND ADJACENT TO THE PROJECT AREA, AS WELL AS COMPLETED PROJECT ELEMENTS, FROM DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS. DAMAGED ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.
- MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE RIGHT-OF-WAY.
- COST OF ANY TEMPORARY FENCING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC. PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES: THE "OKIE" NOTIFICATION CENTER (405) 840-5021 OR 1-800-522-6543; CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER OF ANY CONFLICTS DISCOVERED.
- NO DOWELED ON CURBS WILL BE ALLOWED ON THIS PROJECT
- THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS AND BACKFILLS ARE COMPLETED. EXCESS UNCLASSIFIED EXCAVATION MATERIAL DETERMINED BY THE ENGINEER TO BE SUITABLE FOR BACKFILL SHALL BE USED TO REDUCE ANY UNCLASSIFIED BORROW NEEDED. COST OF SECOND HANDLING SHALL BE INCLUDED IN OTHER ITEMS OF WORK. ANY REMAINING EXCESS EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.
- PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS OR OTHER DISFIGUREMENT.

GENERAL EROSION CONTROL NOTES:

- ALL GRADING AND EROSION CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN, THE CITY OF MUSKOGEE STANDARDS AND SPECIFICATIONS, AND STATE PERMITTING REQUIREMENTS, RE: ODEQ PERMIT OKR10.
- THE PERMITTEE SHALL BE RESPONSIBLE FOR NOTIFYING THE LAND OWNER AND EACH CONTRACTOR OR ENTITY (INCLUDING UTILITY CREWS AND CITY EMPLOYEES OR THEIR AGENTS) WHO WILL PERFORM WORK AT THE SITE OF THE EXISTENCE OF THE SWPPP AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON-SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BMP. THE PERMITTEE IS RESPONSIBLE FOR ANY DAMAGE A SUBCONTRACTOR MAY DO TO ESTABLISHED BMPS AND ANY SUBSEQUENT WATER QUALITY VIOLATION RESULTING FROM THE DAMAGE.
- ENSURE THE DESIGN, INSTALLATION, AND MAINTENANCE OF EFFECTIVE EROSION AND SEDIMENT CONTROLS TO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH CONTROLS MUST BE DESIGNED, INSTALLED, AND MAINTAINED TO:
 - CONTROL STORMWATER VOLUME, VELOCITY, AND PEAK FLOW RATES WITHIN THE SITE TO MINIMIZE SOIL EROSION;
 - CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND TO MINIMIZE DOWNSTREAM CHANNEL AND STREAM BANK EROSION AND SCOUR;
 - MINIMIZE THE AMOUNT OF EXPOSED SOIL DURING CONSTRUCTION ACTIVITY;
 - MINIMIZE THE DISTURBANCE OF STEEP SLOPES;
 - MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. ADDRESS FACTORS SUCH AS:
 - PROVIDE AND MAINTAIN NATURAL BUFFERS AROUND SURFACE WATERS
 - DIRECT STORMWATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORMWATER INFILTRATION AND FILTERING, UNLESS INFEASIBLE; AND
 - MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL WHERE PRACTICABLE
- INSTALLATION OF BMPS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENTATION AT THE DOWNGRADIENT PROJECT BOUNDARY (E.G. BUFFERS, PERIMETER CONTROLS, EXIT POINT CONTROLS, STORM DRAIN INLET PROTECTION) MUST BE COMPLETE PRIOR TO THE START OF ALL PHASES OF CONSTRUCTION. BY THE TIME CONSTRUCTION ACTIVITY IN ANY GIVEN PORTION OF THE SITE BEGINS, DOWNGRADIENT BMPS MUST BE INSTALLED AND OPERATIONAL. DISCHARGES FROM THE INITIAL SITE CLEARING, GRADING, EXCAVATING, AND OTHER EARTH-DISTURBING ACTIVITIES. ADDITIONAL BMPS SHALL BE INSTALLED AS NECESSARY THROUGHOUT THE LIFE OF THE PROJECT. FOLLOWING THE INSTALLATION OF THESE INITIAL BMPS, ALL BMPS NEEDED TO CONTROL DISCHARGES SHALL BE INSTALLED AND MADE OPERATIONAL PRIOR TO SUBSEQUENT EARTH DISTURBING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A STABILIZED CONSTRUCTION ENTRANCE AND FOR CLEANING OF VEHICLE WHEELS IN ACCORDANCE WITH THE CITY OF MUSKOGEE STANDARDS AND SPECIFICATIONS.
- SILT FENCES: PLACEMENT OF SILT FENCES SHALL BE AS SHOWN ON THESE PLANS. FENCING WHICH BECOMES DAMAGED SHALL BE REPLACED PROMPTLY. DEPOSITS OF SILT WHICH BUILD UP BEHIND DIKES MAY BE DISKED ONTO THE SITE BEFORE PLACEMENT OF TEMPORARY COVER. AFTER TEMPORARY COVER IS PLACED OR AFTER LANDSCAPING COMMENCES, SILT SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.
- UNLESS LOCAL OR STATE REQUIREMENTS NECESSITATE MORE FREQUENT MONITORING, CONTRACTOR SHALL INSPECT EROSION CONTROL DEVICES EVERY 7 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH (EXCLUSIVE OF HOLIDAYS). THE CONTRACTOR SHALL REPAIR DAMAGE, CLEAN OUT SEDIMENT, AND ADD ADDITIONAL CONTROL DEVICES AS NEEDED AS SOON AS POSSIBLE AFTER INSPECTION. DEFICIENCIES MUST BE CORRECTED WITHIN 7 DAYS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL FINES ASSOCIATED WITH EROSION CONTROL VIOLATIONS.

TEMPORARY STABILIZATION:

- INITIATE THE INSTALLATION OF STABILIZATION MEASURES IMMEDIATELY IN ANY DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS ON ANY PORTION OF THE SITE.
- TEMPORARY STABILIZATION SHALL INCLUDE TEMPORARY SEEDING, GEOTEXTILES, MULCHES, AND/OR OTHER TECHNIQUES TO REDUCE OR ELIMINATE EROSION UNTIL EITHER FINAL STABILIZATION CAN BE ACHIEVED OR UNTIL FURTHER CONSTRUCTION ACTIVITIES TAKE PLACE TO RE-DISTURB THIS AREA.
- TEMPORARY STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS.

FINAL STABILIZATION:

- FINAL STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH THE LANDSCAPE PLANS AND LOCAL AND STATE REQUIREMENTS.
- CONTRACTOR SHALL MAINTAIN PERENNIAL VEGETATION UNTIL UNIFORM COVER IS ESTABLISHED. UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS, THIS SHALL INCLUDE A MINIMUM OF 70% COVERAGE AND NO BARE AREAS OF 10 SQUARE FEET OR MORE.

GENERAL UTILITY NOTES:

- PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- THIS PLAN DEPICTS THE INTENT OF PRIVATE AND FRANCHISE UTILITY ROUTINGS AS UNDERSTOOD DURING DESIGN PHASES OF THE PROJECT. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO NEGOTIATE ALL CONTRACTS FOR SERVICE WITH EACH INDIVIDUAL UTILITY COMPANY AND TO PROVIDE THE ENGINEER WITH ANY DOCUMENTS THAT MAY AFFECT THE LAYOUT.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES REGARDING THE MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
- RESTRAINED JOINTS SHALL BE PROVIDED ON 4" AND LARGER WATER LINES AT ALL BENDS TEES AND FIRE HYDRANTS FOR A MINIMUM 2 JOINTS BOTH SIDES OF FITTING PER AWWA MINIMUM STANDARDS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS. TERMINATE SERVICE PIPING 5' FROM BUILDING WALL UNTIL BUILDING PIPING SYSTEMS ARE INSTALLED. TERMINATE PIPING WITH VALVE AND CAP PLUG OR FLANGE AS REQUIRED FOR PIPING MATERIAL. MAKE CONNECTIONS TO BUILDING PIPING SYSTEMS WHEN THOSE SYSTEMS ARE INSTALLED.
- REFER TO PLUMBING AND/OR FIRE PROTECTION SHEETS FOR FIRE LINE LEAD-IN LOCATION AND DETAIL. CONTRACTOR SHALL UTILIZE AWWA AND FACTORY MUTUAL TEST AND CERTIFICATIONS FOR ALL UNDERGROUND FIRE PROTECTION LINES AS A MINIMUM. LOCAL OR STATE THORITIES MAY REQUIRE MORE STRINGENT TESTING WHICH SHALL BE PROVIDED BY THE GC IF REQUIRED.
- FIRE LINE BACKFLOW PREVENTER (DOUBLE CHECK ASSEMBLY) SHALL BE LOCATED INSIDE THE BUILDING.
- ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 36" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. UTILITY TRENCH DETAIL RE: 2/C801. STORM TRENCH DETAIL RE: 7/C800.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR CONTINUATION OF UTILITIES AT BUILDING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
- CONSTRUCT CLAY TRENCH PLUG THAT EXTENDS AT LEAST 5 FEET OUT FROM THE FACE OF THE BUILDING EXTERIOR. THE PLUG MATERIAL SHALL CONSIST OF CLAY COMPACTED AT A WATER CONTENT AT OR ABOVE THE SOIL'S OPTIMUM WATER CONTENT. THE CLAY FILL SHALL BE PLACED TO COMPLETELY SURROUND THE UTILITY LINE AND BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
- ALL STORM PIPE ENTERING CONCRETE STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- PROVIDE SLEEVE WITH LINK-SEAL (OR APPROVED EQUAL) AT GRADE BEAM PENETRATION LOCATIONS (RE: STRUCTURAL FOR DETAIL).
- CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, REQUIREMENTS, AND FINAL POLE LOCATIONS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (I.E., UNDERGROUND UTILITIES, SIDEWALKS, ETC...), CONTRACTOR SHALL POT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE. POLE LOCATIONS MAY NOT BE ADJUSTED WITHOUT PRIOR APPROVAL FROM THE ENGINEERS SINCE A CHANGE IN LOCATION CAN IMPACT THE INTENDED PHOTOMETRIC DESIGN.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PROPOSED SIGN(S) AND INSTALLATION OF SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.
- UTILITY TRENCH DETAIL REFER TO MEP FOR CONTINUATION OF UTILITIES AT BUILDING.
- ALL DIMENSION TO THE BACK OF CURB UNLESS NOTED OTHERWISE.



wallace design collective, pc
structural/civil/landscape/survey
123 north main | father king jr. bldg.
tulsa, oklahoma 74103
918.584.5858

oklahoma col 460
exp: 6-30-23



**WARRIOR ADDITION
CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE 05/12/23
PROJECT NO. 2240526
SHEET NAME

GENERAL NOTES

SHEET NO.
C101

Z:\2240526 CN pre-con Site 2, Muskogee\Drawings\PRODUCT\ION\2240526 C100 Cover Sheet.dwg
 PLOT: 5/12/2023 4:31:08 PM
 ORIG SIZE: 24"X36"
 Z:\2240526 CN pre-con Site 2, Muskogee\Drawings\PRODUCT\ION\2240526 C100 Cover Sheet.dwg, C101 GENERAL NOTES: 5/12/2023 4:31:08 PM, ARCH: legend.D (58,009, 241,800 bytes), 1:1 (33392, color machine)



**Know what's below.
Call before you dig.**

**CAUTION
NOTICE TO CONTRACTOR**

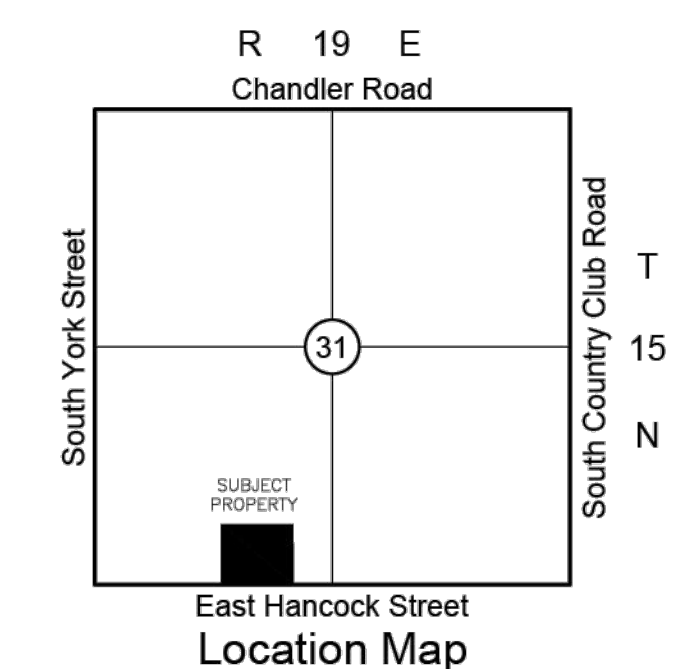
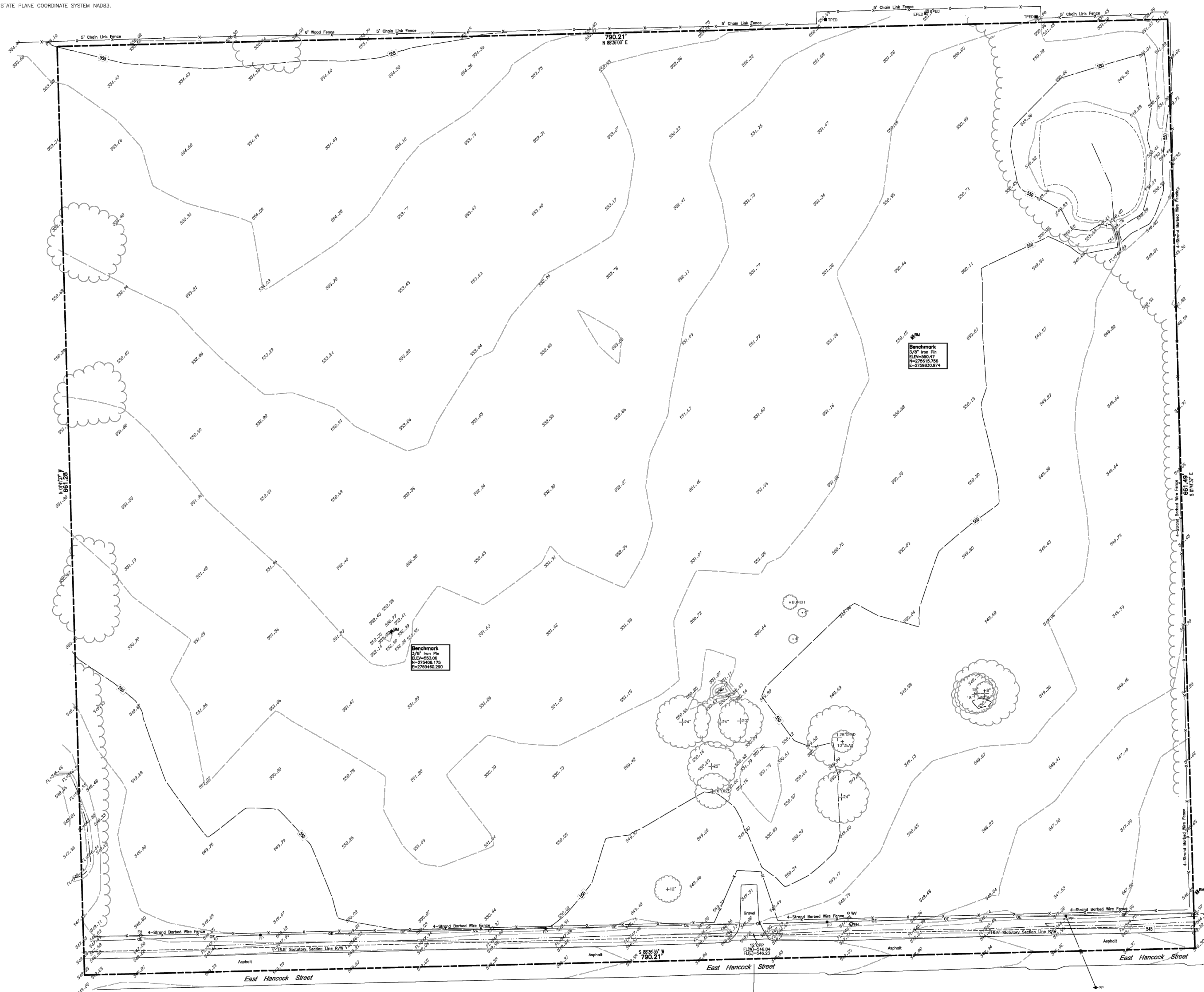
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

- Notes**
1. ABSTRACT OF TITLE OR ATTORNEY'S TITLE OPINION NOT AVAILABLE TO SURVEYOR AT DATE OF SURVEY.
 2. THIS FIRM WAS NOT CONTRACTED TO RESEARCH EASEMENTS OR ENCUMBRANCES OF RECORD. NO ATTEMPT TO RESEARCH THE COUNTY RECORDS OR OTHER RECORD OFFICES WAS PERFORMED BY THIS FIRM, THEREFORE EASEMENTS MAY AFFECT THE SUBJECT TRACT THAT ARE NOT REFLECTED BY THIS PLAT.
 3. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. (CALL "OKIE" BEFORE DIGGING!)
 4. THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON GPS DATA (NAVD83).
 5. THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM NAD83.

- Legend**
- BM BENCHMARK
 - CPP CORRUGATED PLASTIC PIPE
 - EPED ELECTRIC PEDESTAL
 - PH FIRE HYDRANT
 - FL FLOW LINE
 - GUY GUY WIRE DOWN
 - OE OVERHEAD ELECTRIC
 - PP POWER POLE
 - TPED TELEPHONE PEDESTAL
 - WV WATER VALVE

Benchmark Notes

| | | |
|--|--|--|
| 3/8" Iron Pin ELEV=450.47 N=275815.758 E=275830.974 | 3/8" Iron Pin ELEV=453.08 N=275406.175 E=275840.290 | 3/8" Iron Pin ELEV=445.97 N=275220.978 E=276033.356 |
|--|--|--|



Legal Description

THE WEST 6 ACRES OF THE EAST 12 ACRES OF THE SOUTH 23.60 ACRES OF LOT 11 AND THE EAST 6 ACRES OF THE WEST 11.6 ACRES OF THE SOUTH 23.60 ACRES (ALSO DESCRIBED AS THE SOUTH 660 FEET OF THE WEST 396 FEET OF THE EAST 1188 FEET OF LOT 11) ALL IN SECTION 31, TOWNSHIP 15 NORTH, RANGE 19 EAST OF THE INDIAN BASE AND MERIDIAN, MUSKOGEE COUNTY, OKLAHOMA.

Topographic Survey
of A Part of
CN Housing
Hancock-Muskogee
Muskogee County, Oklahoma

Surveyor's Certification

WE, BENNETT SURVEYING, INC., HEREBY CERTIFY THAT THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER OUR DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

THIS TOPO SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS, AS ADOPTED BY THE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR THE STATE OF OKLAHOMA.

WITNESS MY HAND AND SEAL THIS 9TH DAY OF JANUARY, 2023.



BY: CLIFF BENNETT
REGISTERED PROFESSIONAL LAND SURVEYOR
OKLAHOMA NO. 1815

| REVISIONS | BY | DATE |
|-----------|----|------|
| | | |
| | | |

FILE: 1519.31 SURVEY BY: GRI DATE: 01/09/23
ORDER: 225521 DRAWN BY: BAP SCALE: 1"=30'
SURVEY DATE: 01/04/22 CHECKED BY: COB SHEET 1 OF 1

SURVEY NOTE:

THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR. ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR.
NOTE: SURVEY SCALED TO FIT PAGE



Utility Statement

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ALL UNDERGROUND UTILITIES.



CAUTION
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

WARRIOR ADDITION
CHEROKEE NATION
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

| | |
|-------------|----------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | SURVEY |
| SHEET NO. | C200 |

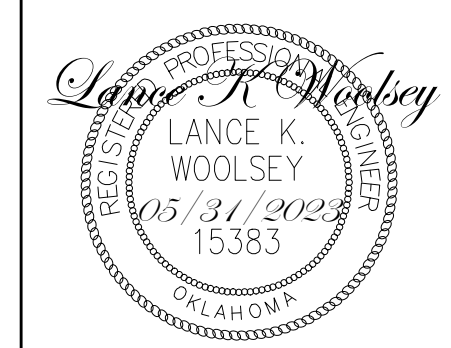
\\c:\server\Projects\2240526 CN pre-con Site 2, Muskogee\Drawings\PRODUCTION\2240526 C200 Topographic Survey.dwg PLOT:5/31/2023 4:35:08 PM ORIG SIZE:24"X36"

GENERAL DEMOLITION NOTES:

1. ALL CONCRETE AND ASPHALT NOTED FOR REMOVAL SHALL BE SAW CUT FULL DEPTH AND REMOVED OFF SITE.
2. CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS.
3. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS OFF SITE.
4. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ALL COST SHALL BE INCLUDED IN BASE BID.
5. WITH PRIOR APPROVAL, CONTRACTOR MAY ESTABLISH AN ON-SITE STAGING AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING STAGING AREA TO ITS ORIGINAL CONDITION. SECURITY OF STAGING AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ON-SITE VEGETATION SHALL BE PROTECTED AS NOTED. IN DESIGNATED PROTECTION AREAS WHERE THE CONTRACTOR DOES NOT PROTECT VEGETATION AS NOTED, CONTRACTOR SHALL RESTORE VEGETATION TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER, TO THE SATISFACTION OF THE ARCHITECT.
7. CONTRACTOR SHALL PROTECT ALL ABOVE GROUND UTILITY FEATURES NOT BEING REMOVED INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVES, AND INLETS. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
8. TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE, WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEED AND MULCH PER THE AUTHORITY HAVING JURISDICTION.
9. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LANE CLOSURES, DETOURS, ETC. BOTH VEHICULAR AND PEDESTRIAN.
10. CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY SERVICE IF REQUIRED.
11. CONTRACTOR SHALL ENSURE CONSTRUCTION SITE HAS POSITIVE DRAINAGE THROUGHOUT THE DURATION OF CONSTRUCTION.
12. PRIOR TO UTILITY DEMOLITION COORDINATE WITH AUTHORITY HAVING JURISDICTION.
13. UTILITIES BEING REMOVED OR RELOCATED SHALL BE ISOLATED AND SERVICE DISCONNECTED PRIOR TO ANY DEMOLITION.
14. NO UTILITY INTERRUPTIONS WILL BE ALLOWED WITHOUT CONSENT OF THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF FOUR WORKING DAYS PRIOR TO THE REQUESTED SHUT DOWN.



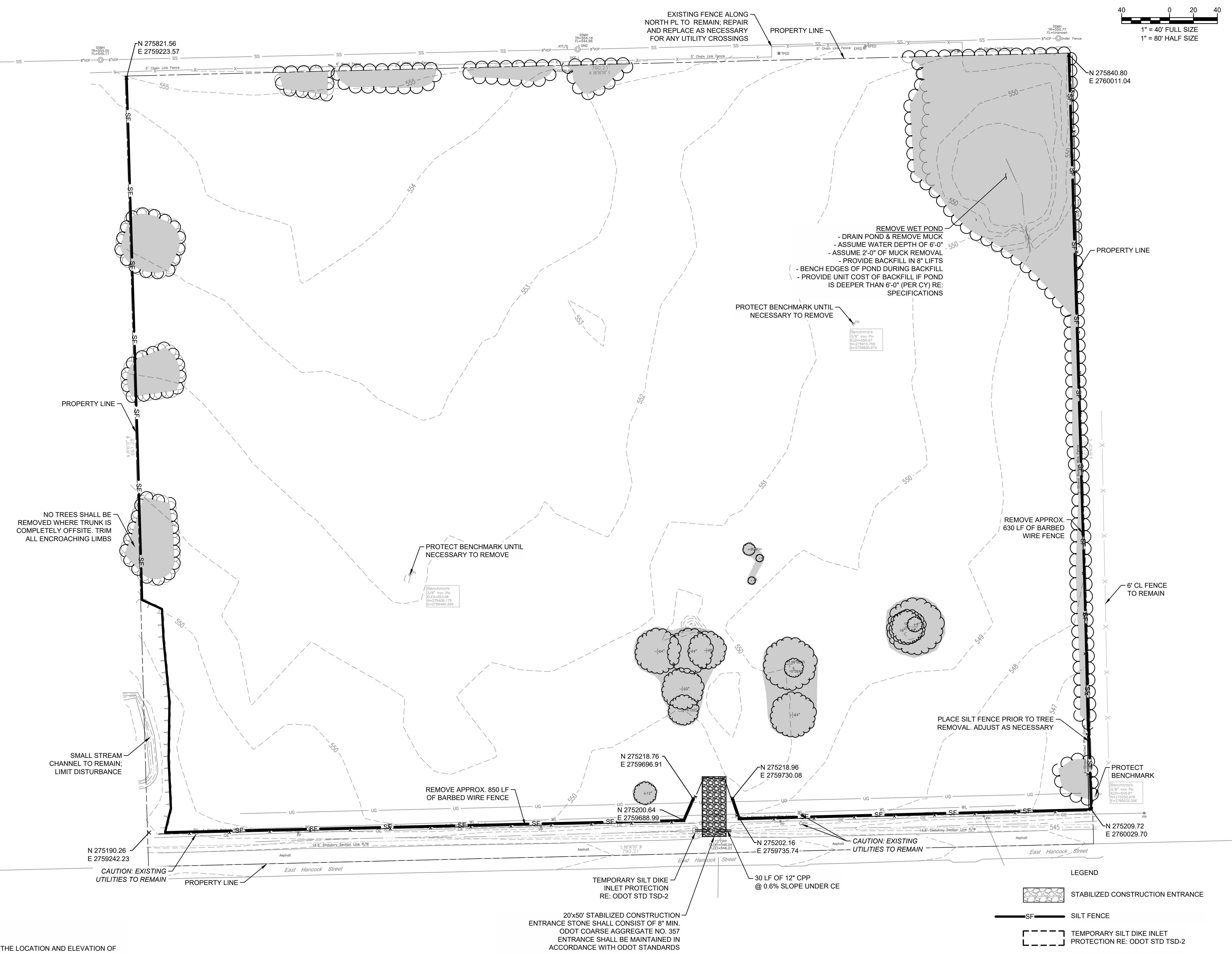
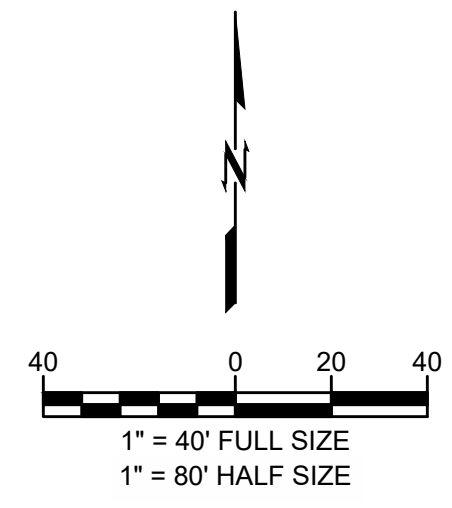
wallace design collective, pc
structural-civil-landscape-survey
123 north north luther king jr. blvd.
tulsa, oklahoma 74103
918.584.5858
oklahoma ca1460
exp: 6-30-23



**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME: DEMOLITION & EROSION CONTROL PLAN
SHEET NO.: C300



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**CAUTION
NOTICE TO CONTRACTOR**

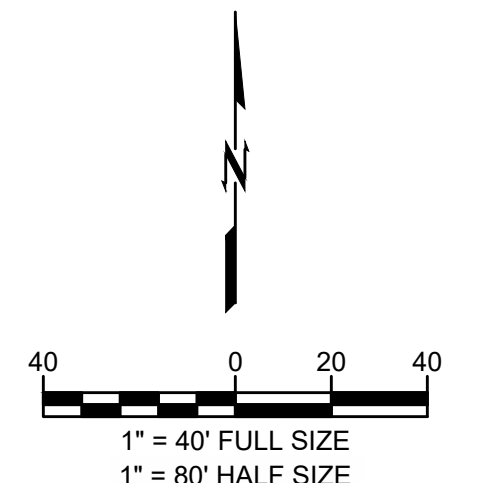
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GENERAL SITE NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL MUNICIPAL REGULATIONS AND CODES, WHICHEVER IS MORE STRINGENT.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES' SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
4. ALL DIMENSIONS AND COORDINATES ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
5. REFER TO C700 FOR ROADWAY GEOMETRICS.
6. CONCRETE PAVING SECTIONS SHALL BE SAWCUT AT 12' MAXIMUM SPACING EACH.
7. REFER TO 71C/800 FOR ROADWAY TYPICAL SECTION.
8. REFER TO UTILITY PLAN (C600) FOR UTILITY MAINS.
9. FOR HOUSING FLOOR PLANS, RE: ARCH

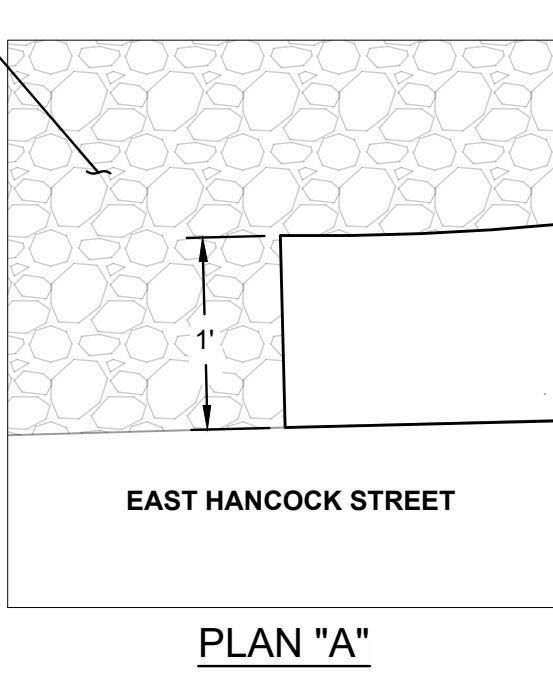
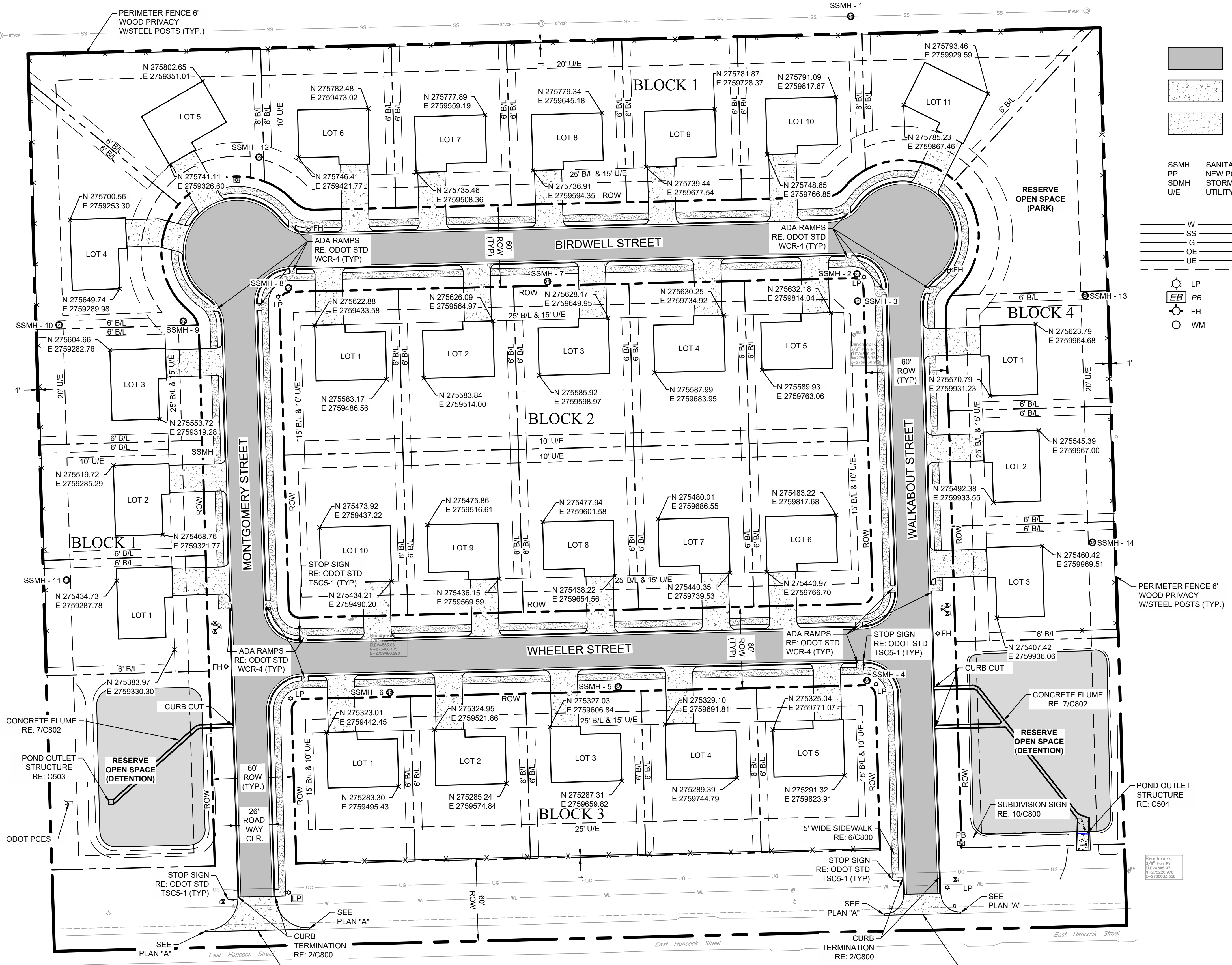
BENCHMARKS
BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY BENNETT SURVEYING, INC., DATED 01.09.2023.

| | | |
|---|---|---|
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|---|---|---|



LEGEND

| | |
|--|--------------------------------------|
| | ASPHALT PAVEMENT RE: 7/C800 |
| | CONCRETE PAVEMENT RE: 8/C800 |
| | CONCRETE SIDEWALK RE: 6/C800 |
| | SSMH SANITARY SEWER MANHOLE RE: C800 |
| | NP NEW POWER POLE RE: C800 |
| | SDMH STORM MANHOLE RE: C800 |
| | U/E UTILITY EASEMENT |
| | W WATER LINE |
| | SS SANITARY SEWER SERVICE |
| | G NATURAL GAS |
| | OE OVERHEAD ELECTRIC |
| | UE UNDERGROUND ELECTRIC EASEMENT |
| | LP LIGHT POLE |
| | PB ELECTRIC BOX RE: C600 |
| | FH FIRE HYDRANT RE: 1/C801 |
| | WM WATER METER |

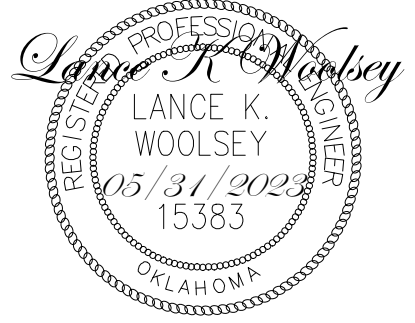


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CAUTION
NOTICE TO CONTRACTOR

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**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME:

SITE PLAN
SHEET NO. **C400**

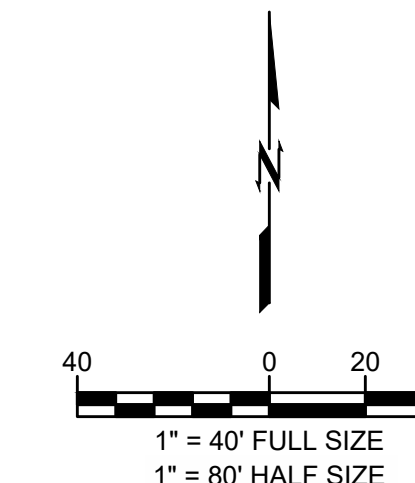
GENERAL GRADING NOTES:

- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED, INSPECTED, AND APPROVED BY LOCAL AUTHORITIES.
- ALL BENCHMARKS, CONTROL POINTS, PROPERTY MARKERS, AND RIGHT-OF-WAY MONUMENTS DISTURBED OR DESTROYED SHALL BE RESET UNDER THE SUPERVISION OF A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OKLAHOMA. ALL SURVEYING COSTS SHALL BE THE CONTRACTOR'S.
- THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING.
- TOPSOIL SHALL BE STRIPPED TO A DEPTH WHERE SOIL IS FREE OF ROOTS AND VEGETATION.
- REFERENCE GEOTECHNICAL ENGINEERING REPORT BY BUILDING AND EARTH DATED 03/08/2023 FOR COMPLETE PAVING AND SUBGRADE RECOMMENDATIONS. CIVIL ENGINEER WILL NOT INTERPRET SOILS REPORTS OR ACCEPT RESPONSIBILITY FOR ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR.
- UNDERCUTTING OF SOFT SPOTS AND PLACEMENT OF EARTHWORK IS GOVERNED FIRST BY THE GEOTECHNICAL REPORT. OBSERVATION AND TESTING SHALL BE PERFORMED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THAT THE SOFT SPOTS ARE PROPERLY OVEREXCAVATED AND REPLACED OR STABILIZED.
- IF EXCAVATED MATERIAL IS UNSUITABLE FOR COMPACTION, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL FURNISH SUITABLE BORROW.
- STRIPPING, PROOFROLLING, SUBGRADE SCARIFICATION, COMPACTION, AND FILL CONSTRUCTION IN THE BUILDING AND PAVING AREAS SHALL BE PERFORMED ACCORDING TO THE GEOTECHNICAL REPORT. EMBANKMENT BENEATH BUILDING PADS OR FOR PAVING SUBGRADE SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND COMPACTED TO A MINIMUM OF 98% AND 95% STANDARD PROCTOR DENSITY, RESPECTIVELY, AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SPECIFIED THEREIN. CONTRACTOR SHALL PROVIDE WATER AS REQUIRED TO OBTAIN SPECIFIED COMPACTION.
- EXCAVATE TO INDICATED ELEVATIONS AND DIMENSIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1 INCH, IF APPLICABLE. EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSPECTIONS.
- PAVING CONTRACTOR IS RESPONSIBLE TO REVIEW ALL FIELD ESTABLISHED GRADES PRIOR TO PLACEMENT OF MATERIALS SO AS TO PROVIDE POSITIVE DRAINAGE IN ALL CASES.
- CONTRACTOR SHALL COORDINATE AND PROVIDE ALL STAKING NECESSARY TO INSTALL CONDUITS SUFFICIENT FOR UTILITY AND IRRIGATION SERVICES WHETHER OR NOT SHOWN ON THE CIVIL ENGINEER'S PLANS.
- GRADES NOT OTHERWISE INDICATED ON THE PLANS SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN, ABRUPT CHANGES IN SLOPES SHALL BE WELL ROUNDED. THE CONTRACTOR IS RESPONSIBLE FOR POSITIVE SITE DRAINAGE.
- CONTRACTOR IS RESPONSIBLE TO MEET AND MATCH NEW PAVEMENT WITH EXISTING ADJACENT PAVEMENT AREAS. THE TRANSITION BETWEEN THIS SITE AND ADJACENT SITES MUST BE SMOOTH AND MONOLITHIC. ALL GRADING MUST MEET AND MATCH GRADES ON ALL SIDES.
- ACCESSIBLE ROUTES AND SIDEWALKS ARE NOT TO EXCEED 5% RUNNING SLOPE (EXCEPT AT RAMPS) AND 2% CROSS. ACCESSIBLE PARKING AND ACCESS AISLES NOT TO EXCEED 2% SLOPE IN ANY DIRECTION. ALL RAMPS SHALL COMPLY WITH THE APPLICABLE ACCESSIBLE DESIGN GUIDELINES.
- ALL CUT OR FILL SLOPES SHALL BE 3H:1V OR FLATTER UNLESS OTHERWISE NOTED.
- LANDSCAPE ISLANDS TO BE FILLED WITH SOIL SUITABLE FOR VEGETATION. THE CONTRACTOR WILL INSURE THAT NO PONDING WILL OCCUR AT LANDSCAPE ISLANDS. ALL SURFACE WATER MUST DRAIN AROUND THE ISLAND WITH POSITIVE SLOPE. NO WATER SHALL BE TRAPPED.
- CONTRACTOR SHALL MEET AND MATCH TOP OF JUNCTION BOXES/MANHOLES OR CLEANOUTS WITH FINISHED PAVING GRADES. FINAL GRADES OF ABOVE SURFACE UTILITIES NOT IN PAVED AREAS, INCLUDING BUT NOT LIMITED TO JUNCTION BOX/MANHOLE LIDS, WATER METER LIDS, AND SEWER CLEANOUTS, ARE TO BE ADJUSTED BY THE UTILITY CONTRACTOR TO CONFORM TO LANDSCAPING SOD INSTALLATIONS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS FOR THE EXACT LOCATIONS AND DIMENSIONS OF ENTRY, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, AND DOWNSPOUTS.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED. EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS AT THE COMPLETION OF THE PROJECT.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
- ALL STORM PIPE ENTERING CONCRETE STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS AND SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS OF ENTIRE SITE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING. TEMPORARY DEWATERING, INCLUDING PUMPING, MAY BE REQUIRED AND SHALL BE INCLUDED IN THE SCOPE OF WORK.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED SOIL AREAS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL AND SHALL BE PERMANENTLY STABILIZED WITH SEED OR SOD.
- REMOVE ALL TREES (INCLUDING ROOTBALLS), GRASS, WEEDS, ROOTS, AND OTHER DEBRIS FROM THE AREA TO BE EXCAVATED, FILLED, OR GRADED.
- EXISTING TREES WHERE INDICATED SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING. ALL TREE PROTECTION FENCING TO BE INSPECTED DAILY AND ALL GRADING ACTIVITIES TO REMAIN OUTSIDE THE DRIP LINES.

BENCHMARKS:

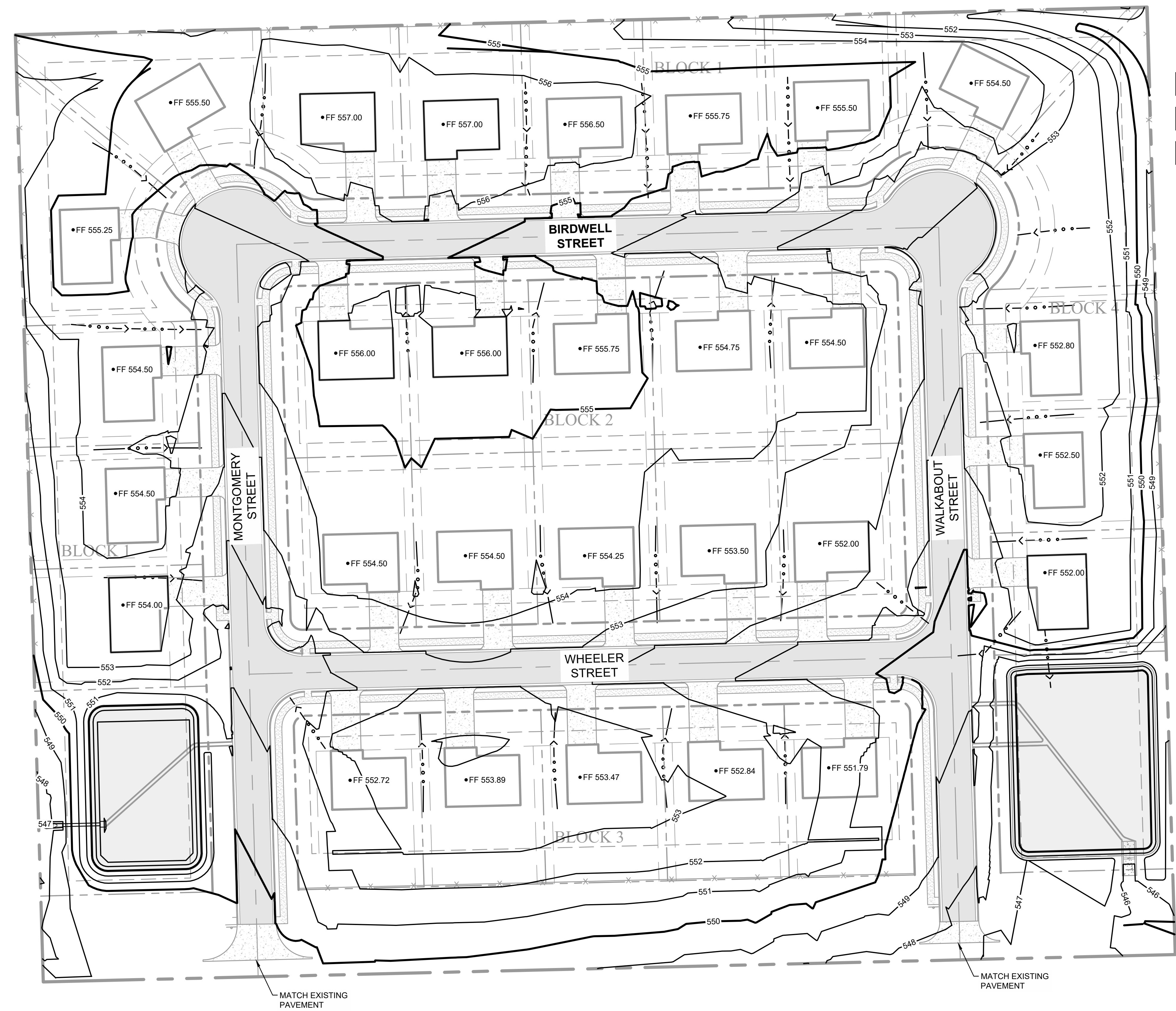
BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY BENNETT SURVEYING, INC., DATED 01/06/23

| | | |
|--|--|--|
| BENCHMARK 1 3/8" IRON PIN ELEV: 550.47 N: 275615.756 E: 2759830.974 | BENCHMARK 2 3/8" IRON PIN ELEV: 553.06 N: 275406.175 E: 2759460.290 | BENCHMARK 3 3/8" IRON PIN ELEV: 545.97 N: 275220.978 E: 2760033.356 |
|--|--|--|



LEGEND

| | |
|--|------------------------------------|
| | ASPHALT PAVEMENT RE: 7/C800 |
| | CONCRETE PAVEMENT RE: X/XX |
| | 5' CONCRETE SIDEWALK RE: 6/C800 |



ORIG SIZE: 24"x36"

PLOT: 5/31/2023 4:31:30 PM

\\civl-server\Projects\2240526 CN pre-con Site 2_Muskogee\DWG\PRODUCTION\2240526 C500 Overall Grading Plan.dwg



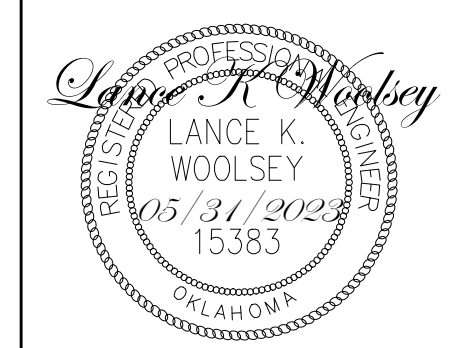
CAUTION
NOTICE TO CONTRACTOR

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Know what's below.
Call before you dig.



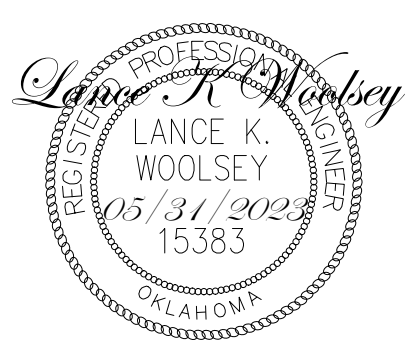
wallace design collective, pc
structural-civil-landscape-survey
123 north north luther king jr. blvd.
tulsa, oklahoma 74103
918.584.5858
oklahoma ce1460
exp: 6-30-23



**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

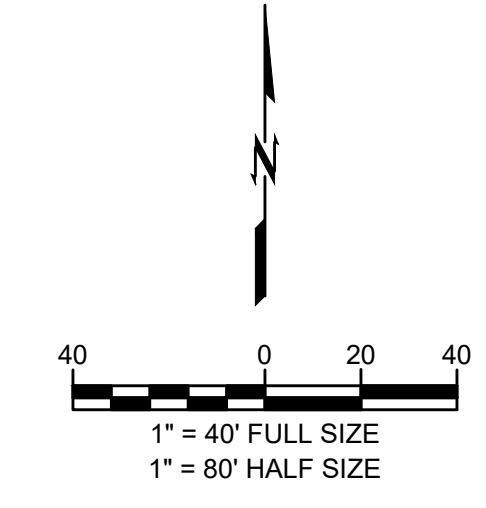
DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME: GRADING PLAN
SHEET NO.: C500



**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: EXISTING DRAINAGE MAP
 SHEET NO.: C501



EXISTING DRAINAGE AREA SUMMARY (SCS)

| DRAINAGE AREA BASIN | DRAINAGE AREA (SF) | DRAINAGE AREA (ACRES) | DRAINAGE AREA (SQ MILES) | COMPOSITE CN | REACH GRASS SHEET FLOW (FEET) TR-55 | SLOPE GRASS SHEET FLOW (%) TR-55 | REACH PAVED SHEET FLOW (FEET) TR-55 | SLOPE PAVED SHEET FLOW (%) TR-55 | REACH GRASS SHALLOW CONCENTRATED FLOW (FEET) TR-55 | SLOPE GRASS SHALLOW CONCENTRATED FLOW (%) TR-55 | REACH DITCH FLOW (FEET) TR-55 | SLOPE DITCH FLOW (%) TR-55 | TOTAL Tc (MIN) | 0.6 TOTAL Tc (MIN) | 100 YR Q (CFS) | TIME TO PEAK (MIN) |
|---------------------|--------------------|-----------------------|--------------------------|--------------|-------------------------------------|----------------------------------|-------------------------------------|----------------------------------|--|---|-------------------------------|----------------------------|----------------|--------------------|----------------|--------------------|
| Aex | 140,339 | 3.22 | 0.005034 | 80 | 296 | 0.70% | - | - | 373 | 1.50% | - | - | 11.6 | 7.0 | 22.8 | 12.08 |
| Bex | 151,073 | 3.47 | 0.005419 | 80 | 273 | 0.70% | - | - | 532 | 1.00% | 332 | 0.80% | 16.7 | 10.0 | 21.0 | 12.11 |
| Cex | 248,227 | 5.70 | 0.008904 | 80 | 208 | 0.70% | - | - | 919 | 1.00% | 440 | 1.00% | 20.0 | 12.0 | 31.8 | 12.13 |

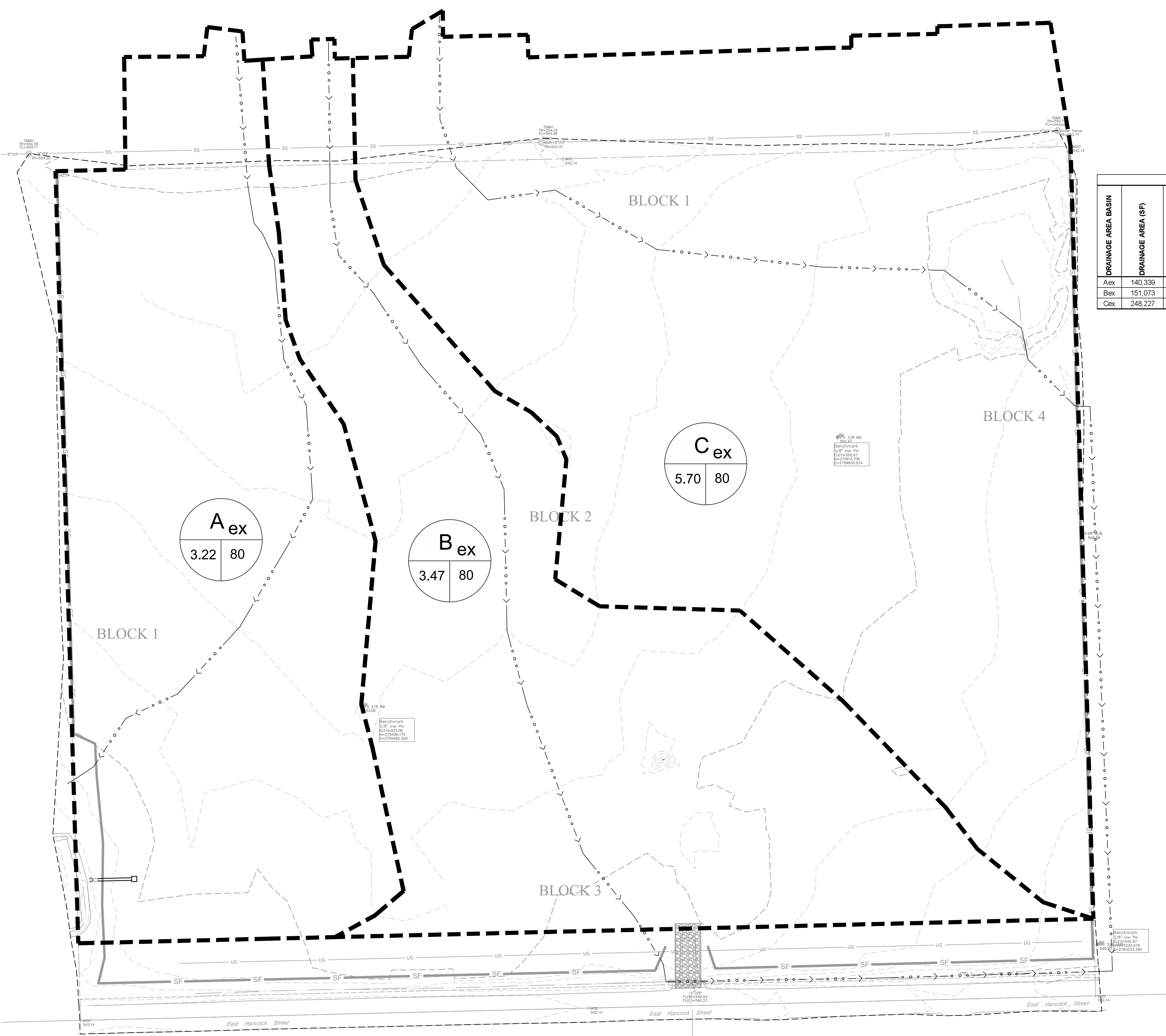
LEGEND

DRAINAGE AREA BOUNDARY:

DRAINAGE AREA PATH:

DRAINAGE AREA LABEL

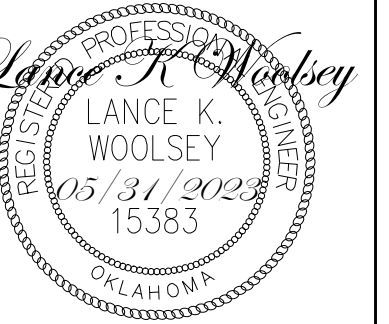
DRAINAGE BASIN: XA
 AREA: 17.0
 COMPOSITE NUMBER: 61



**CAUTION
 NOTICE TO CONTRACTOR**

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I:\civil-server\Projects\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C501 Drainage Maps.dwg
 PLOT: 5/31/2023 4:31:38 PM
 ORIG SIZE: 24"x36"

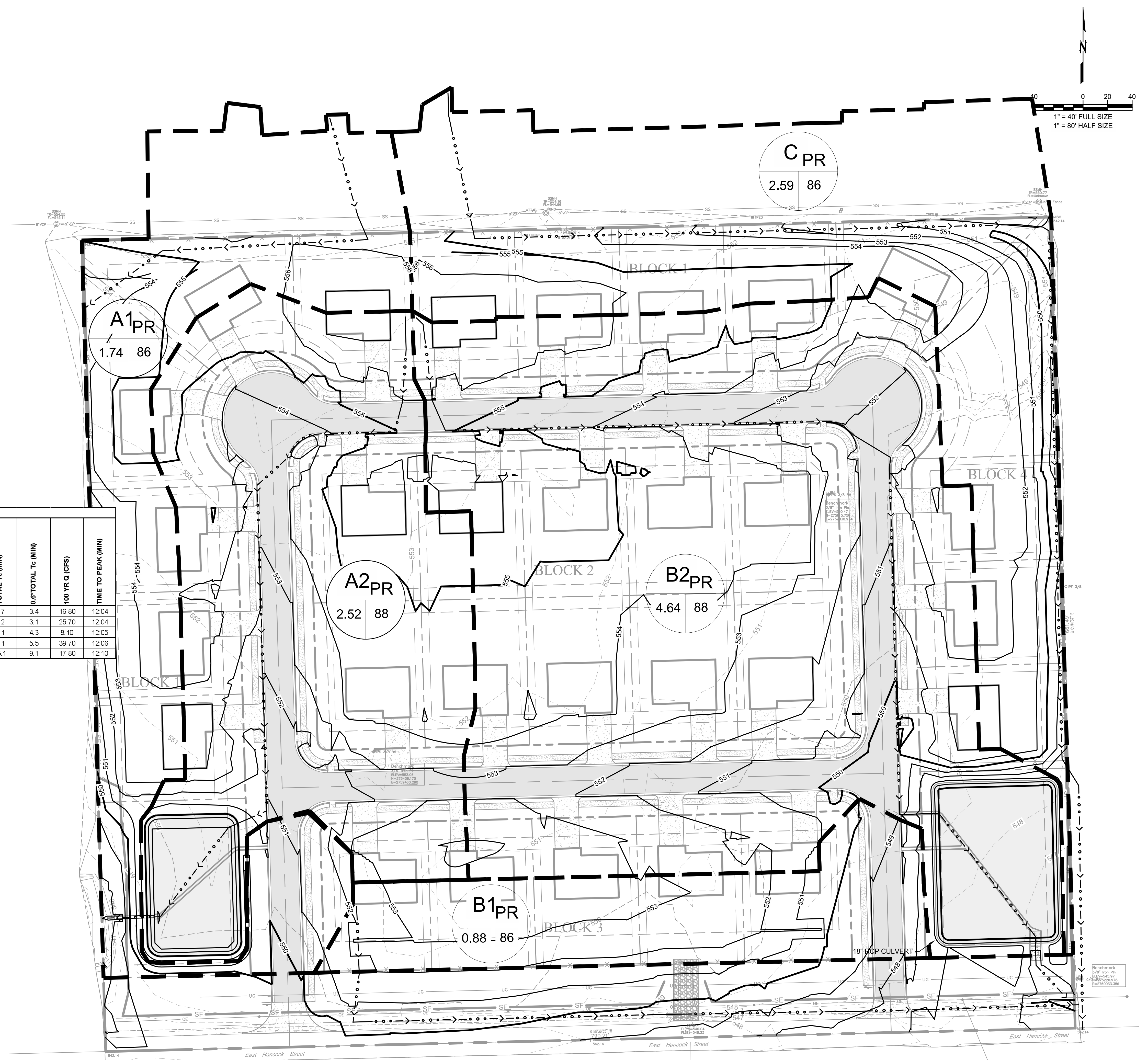


**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| DATE | 03/24/23 | 05/12/23 |
|------|----------|----------|
| | | |

| REV | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | 50% SET | |
| 2 | 100% SET | |

| | |
|-------------|-----------------------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | PROPOSED DRAINAGE MAP |
| SHEET NO. | C502 |



PROPOSED DRAINAGE AREA SUMMARY (SCS)

| DRAINAGE AREA BASIN | DRAINAGE AREA (SF) | DRAINAGE AREA (ACRES) | DRAINAGE AREA (SQ MI) | COMPOSITE CN | REACH GRASS SHEET FLOW (FEET) TR-55 | SLOPE GRASS SHEET FLOW (%) TR-55 | REACH PAVED SHEET FLOW (FEET) TR-55 | SLOPE PAVED SHEET FLOW (%) TR-55 | REACH GRASS SHALLOW CONCENTRATED FLOW (FEET) TR-55 | SLOPE GRASS SHALLOW CONCENTRATED FLOW (%) TR-55 | REACH DITCH FLOW (FEET) TR-55 | SLOPE DITCH FLOW (%) TR-55 | TOTAL Tc (MIN) | 0.6" TOTAL Tc (MIN) | 100 YR Q (CFS) | TIME TO PEAK (MIN) |
|---------------------|--------------------|-----------------------|-----------------------|--------------|-------------------------------------|----------------------------------|-------------------------------------|----------------------------------|--|---|-------------------------------|----------------------------|----------------|---------------------|----------------|--------------------|
| A1PR | 75,823 | 1.74 | 0.002720 | 86 | 109 | 0.70% | - | - | - | - | 248 | 1.00% | 5.7 | 3.4 | 16.80 | 12.04 |
| A2PR | 109,960 | 2.52 | 0.003944 | 88 | 57 | 1.00% | 445 | 0.90% | - | - | - | - | 5.2 | 3.1 | 25.70 | 12.04 |
| B1PR | 38,537 | 0.88 | 0.001382 | 86 | 95 | 5.00% | - | - | - | - | 592 | 1.00% | 7.1 | 4.3 | 8.10 | 12.05 |
| B2PR | 202,259 | 4.64 | 0.007255 | 88 | 71 | 1.00% | - | - | - | - | 717 | 1.00% | 9.1 | 5.5 | 39.70 | 12.06 |
| CPR | 112,932 | 2.59 | 0.004051 | 86 | 121 | 0.70% | - | - | - | - | 1123 | 1.00% | 15.1 | 9.1 | 17.80 | 12.10 |

LEGEND

DRAINAGE AREA BOUNDARY

DRAINAGE AREA PATH

DRAINAGE BASIN

AREA COMPOSITE NUMBER

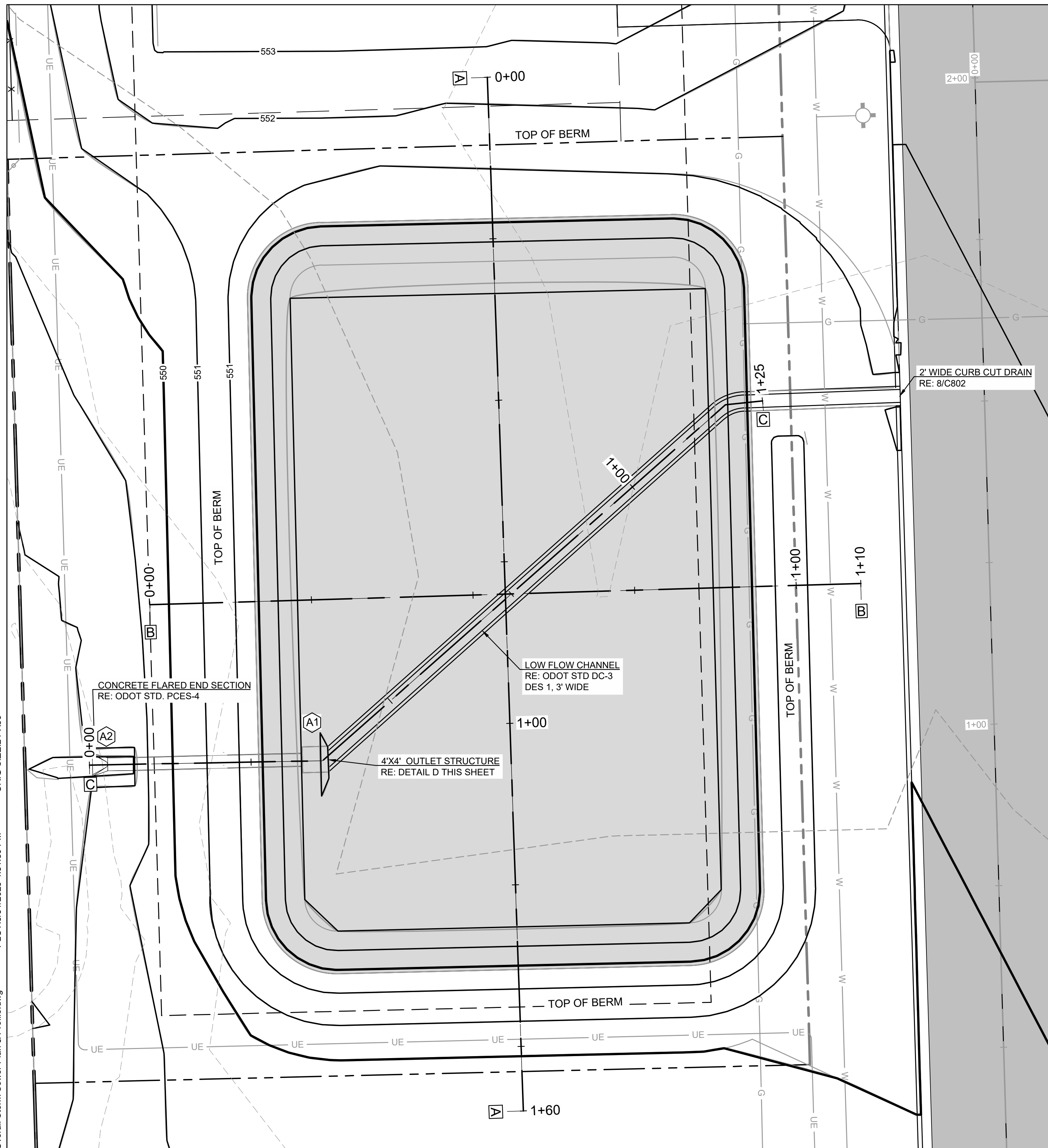
DRAINAGE AREA LABEL



CAUTION
NOTICE TO CONTRACTOR

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ORIG SIZE: 24"x36"
 PLOT: 5/31/2023 4:31:38 PM
 I:\civil\server\Projects\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C501 Drainage Maps.dwg
 I:\civil\server\Projects\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C501 Drainage Maps.dwg, C502, 5/11/2023 4:31:38 PM, ACOH full bleed D, 86.00 x 24.00 (inches), 1:1, rds machine



WEST DETENTION POND PLAN
SCALE: 1"=10'

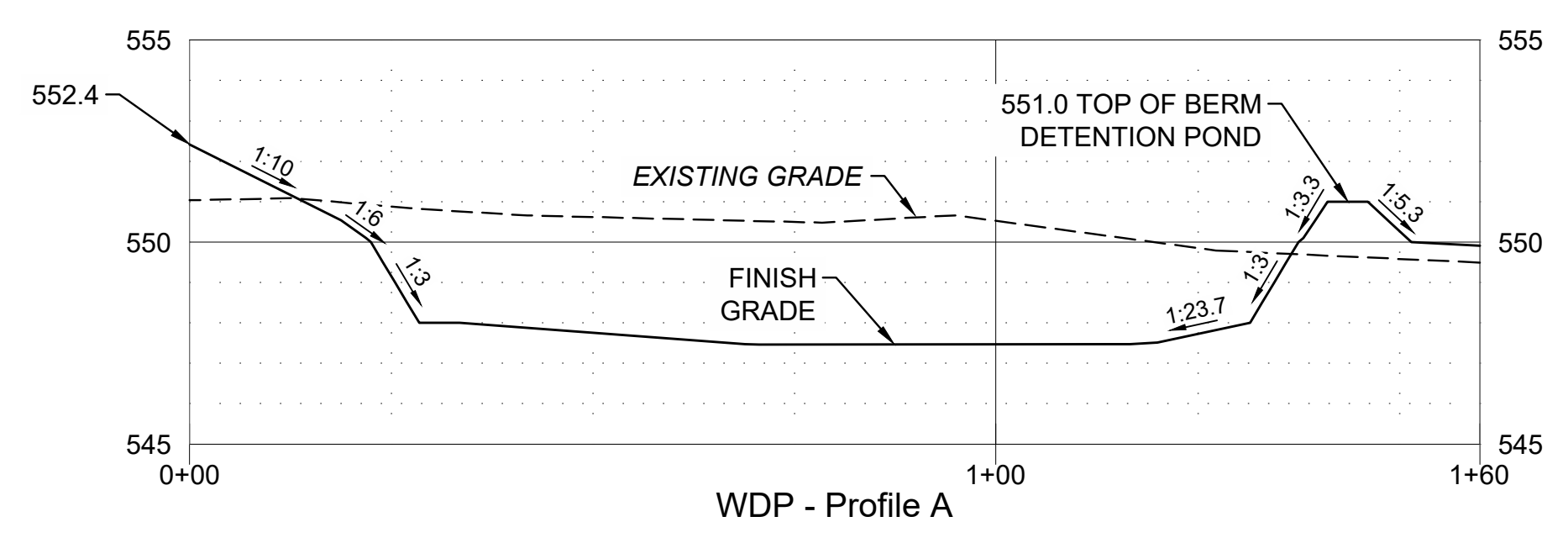
| SOUTHWEST DETENTION POND AREA SUMMARY | | | |
|---------------------------------------|----------------|-------------------|---|
| WATER SURFACE ELEVATION (FT) | POND AREA (SF) | POND AREA (ACRES) | CONTRIBUTING STRUCTURES |
| 547 | 0 | 0 | 0.2' wide weir @ 547 |
| 548 | 6604 | 0.151607 | 0.2' wide weir @ 547 |
| 549 | 7610 | 0.174702 | 0.2' wide weir @ 547 |
| 550 | 8673 | 0.199105 | 0.2' wide weir @ 547 & 1.5' wide weir @ 549.4 |
| 551 | 9793 | 0.224816 | 0.2' wide weir @ 547 & 1.5' wide weir @ 549.4 |

| SOUTHWEST DETENTION POND SUMMARY (SCS METHOD) | | | | |
|---|--------------------------------------|--|-------------------------|-----------------|
| STORM EVENT | TOTAL DEVELOPED FLOW INTO POND (CFS) | TOTAL DEVELOPED FLOW OUT OF POND (CFS) | VOLUME DETAINED (AC-FT) | PEAK STAGE (EL) |
| 5 Year (20%) | 13.3 | 2.2 | 0.3 | 549.4 |
| 100 Year (1.0%) | 25.7 | 9.1 | 0.5 | 550.5 |

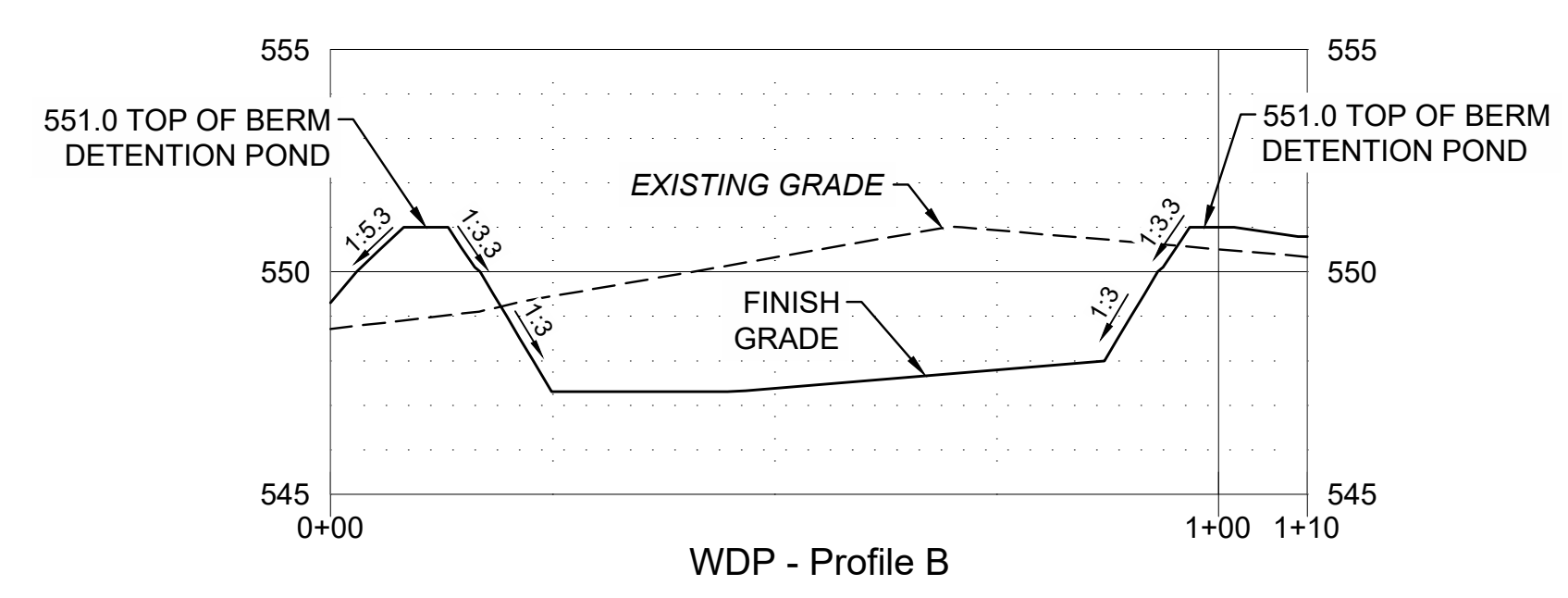


CAUTION
NOTICE TO CONTRACTOR

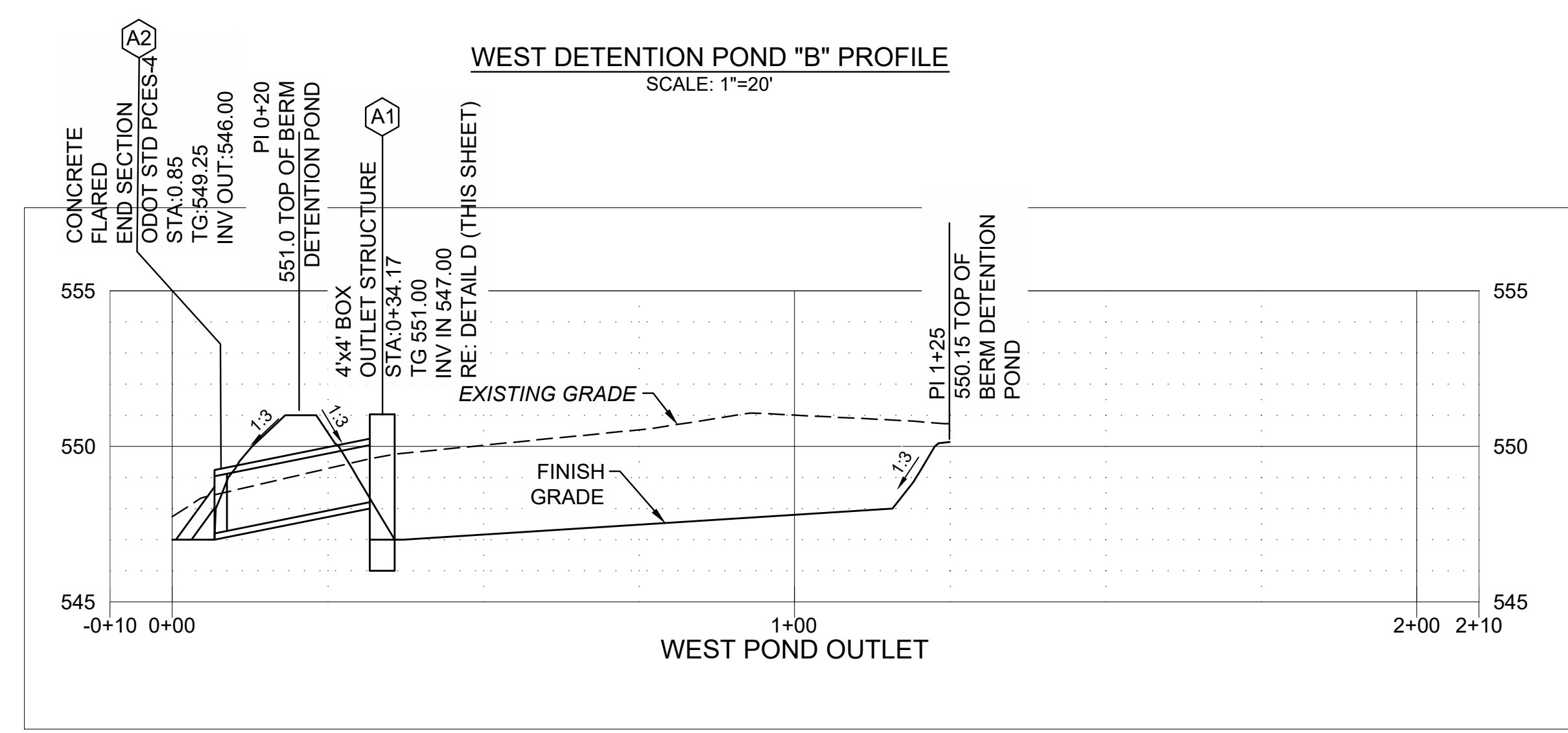
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.



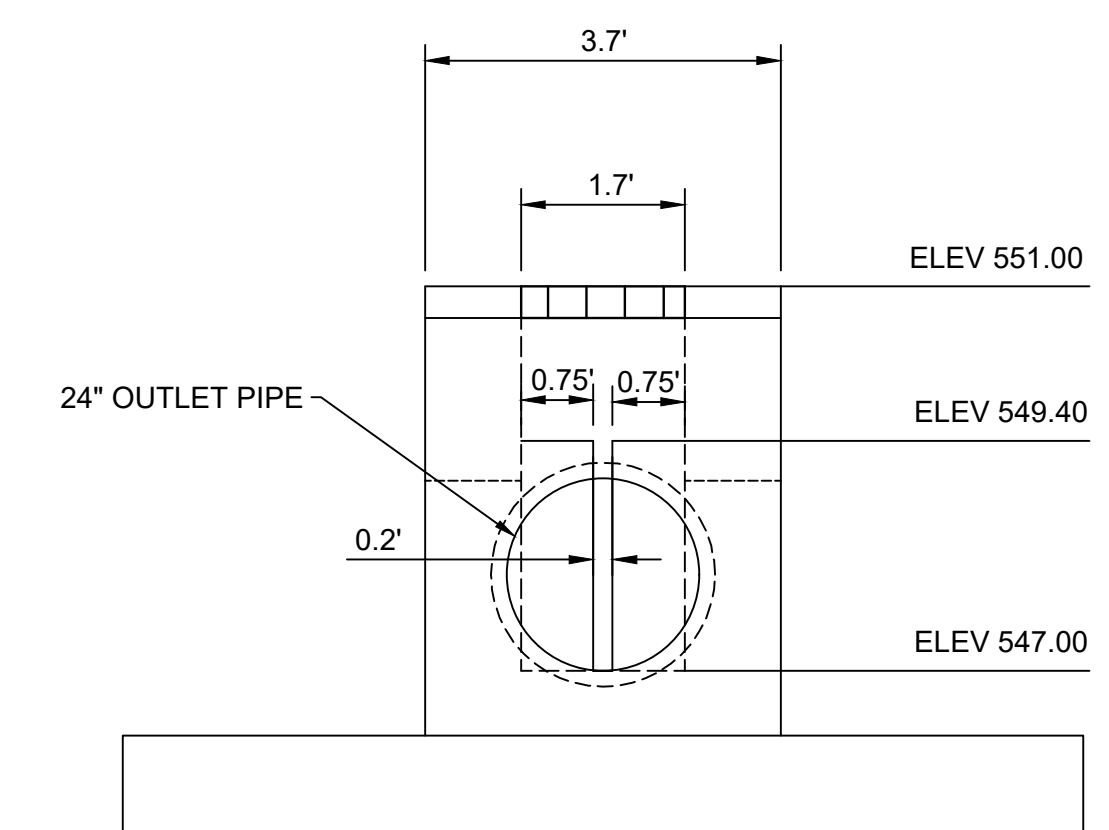
WEST DETENTION POND "A" PROFILE
SCALE: 1"=20'



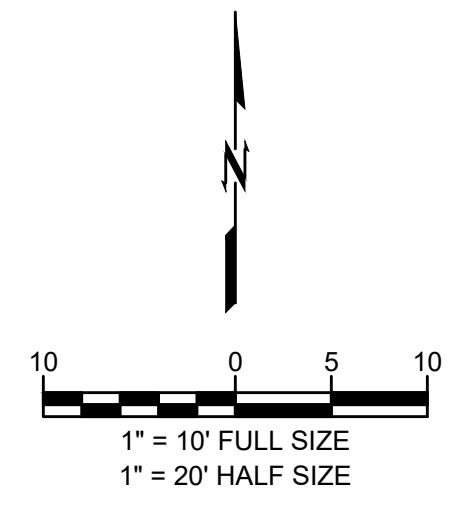
WEST DETENTION POND "B" PROFILE
SCALE: 1"=20'



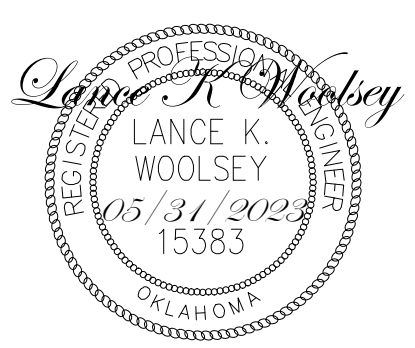
WEST DETENTION POND "C" PROFILE
SCALE: 1"=20'



D DETENTION POND OUTLET STRUCTURE DETAIL
SCALE: 1"=2'



wallace design collective
wallace design collective, pc
structural-civil-landscape-survey
123 north martin luther king jr. blvd.
tulsa, oklahoma 74103
918.584.5858
oklahoma ca1460
exp: 6-30-23



**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

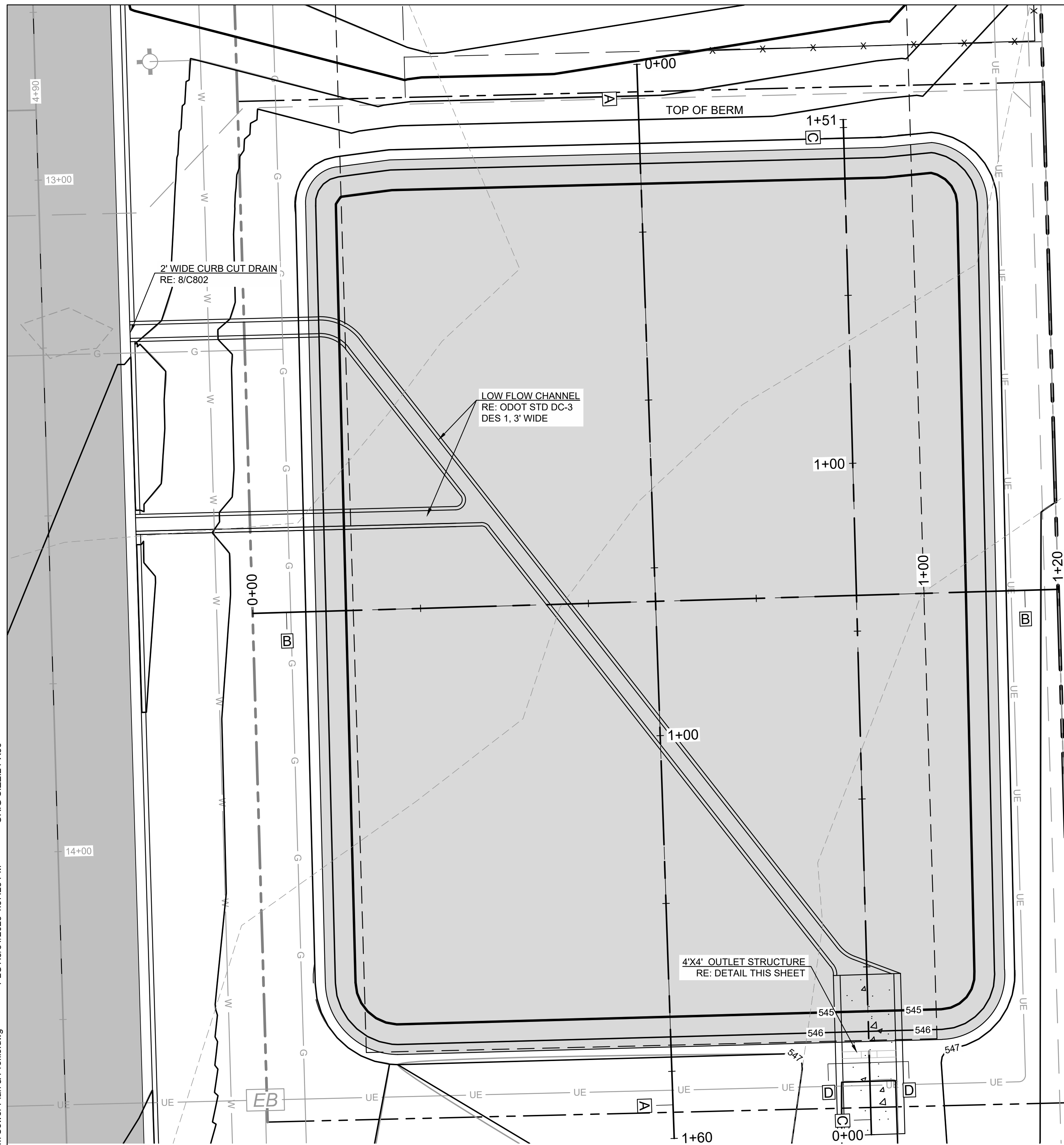
| DATE | DESCRIPTION |
|----------|-------------|
| 03/24/23 | 50% SET |
| 05/12/23 | 100% SET |

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME: WEST DETENTION POND
SHEET NO.: C503

Z:\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C503 Overall Storm Sewer Plan & Profile.dwg, C503 WEST DETENTION POND, 5/31/2023 3:31:46 PM, ARCH expanded D (8/8/09, 24.00 boxes), 1:1, rcbn machine

Z:\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C503 Overall Storm Sewer Plan & Profile.dwg, C503 WEST DETENTION POND, 5/31/2023 4:31:50 PM, ORIG SIZE: 24"X36"



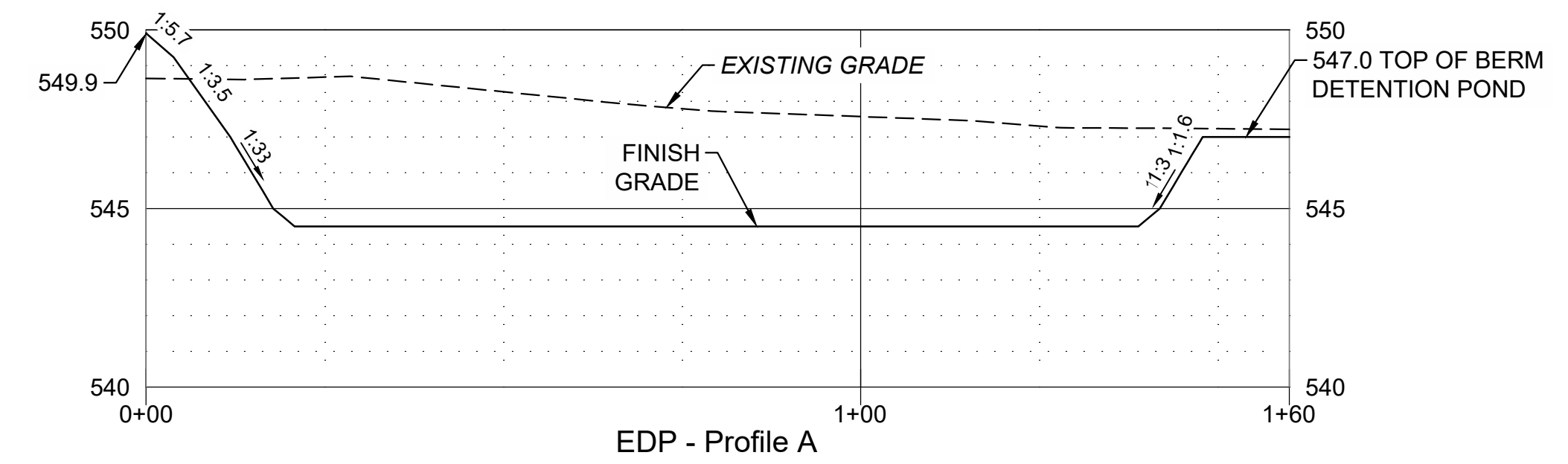
EAST DETENTION POND SCALE
SCALE: 1"=10'

| SOUTHEAST DETENTION POND AREA SUMMARY | | |
|---------------------------------------|----------------|-------------------|
| WATER SURFACE ELEVATION (FT) | POND AREA (SF) | POND AREA (ACRES) |
| 544.5 | 0 | 0.00000 |
| 545.00 | 11437 | 0.26256 |
| 546.00 | 12741 | 0.29249 |
| 547.00 | 14102 | 0.32374 |

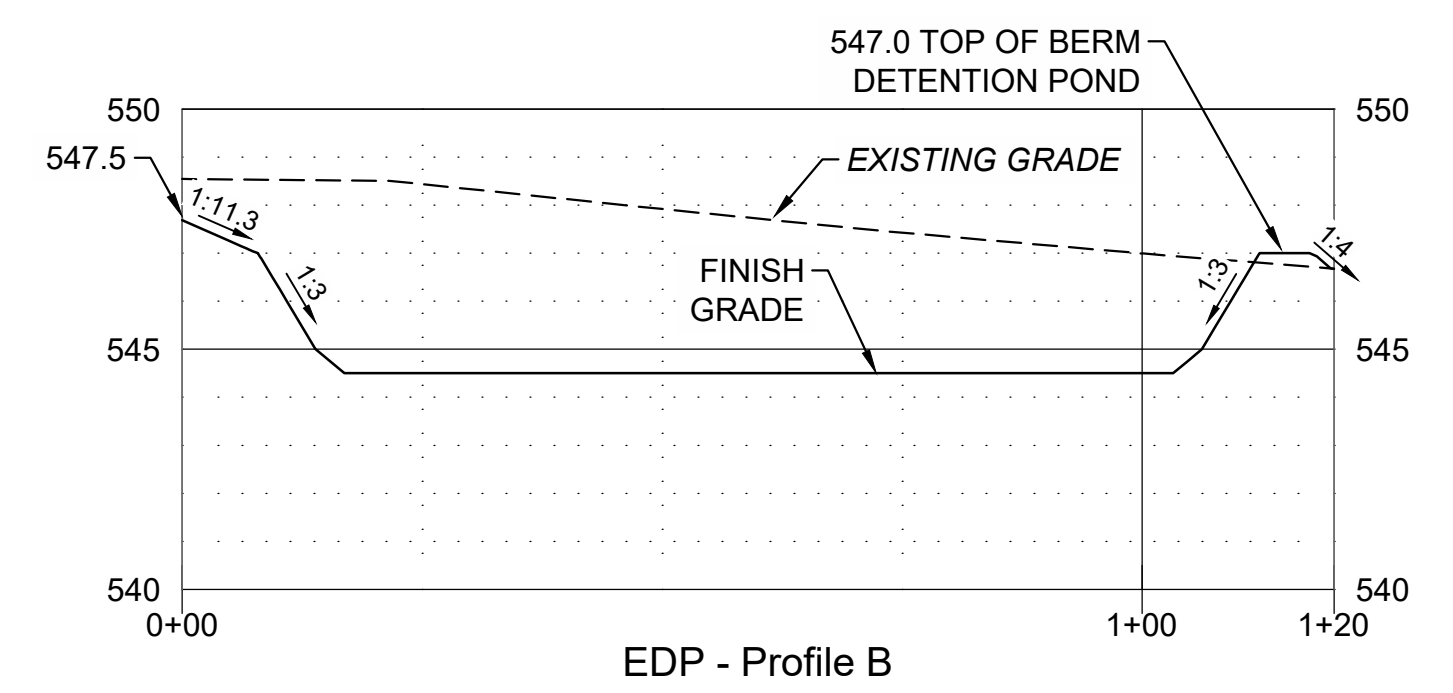
| SOUTHEAST DETENTION POND SUMMARY (SCS METHOD) | | | | |
|---|--------------------------------------|--|-------------------------|-----------------|
| STORM EVENT | TOTAL DEVELOPED FLOW INTO POND (CFS) | TOTAL DEVELOPED FLOW OUT OF POND (CFS) | VOLUME DETAINED (AC-FT) | PEAK STAGE (EL) |
| 5 Year (20%) | 20.4 | 12.6 | 0.2 | 545.5 |
| 100 Year (1.0%) | 39.7 | 27.9 | 0.4 | 546.1 |

CAUTION
NOTICE TO CONTRACTOR

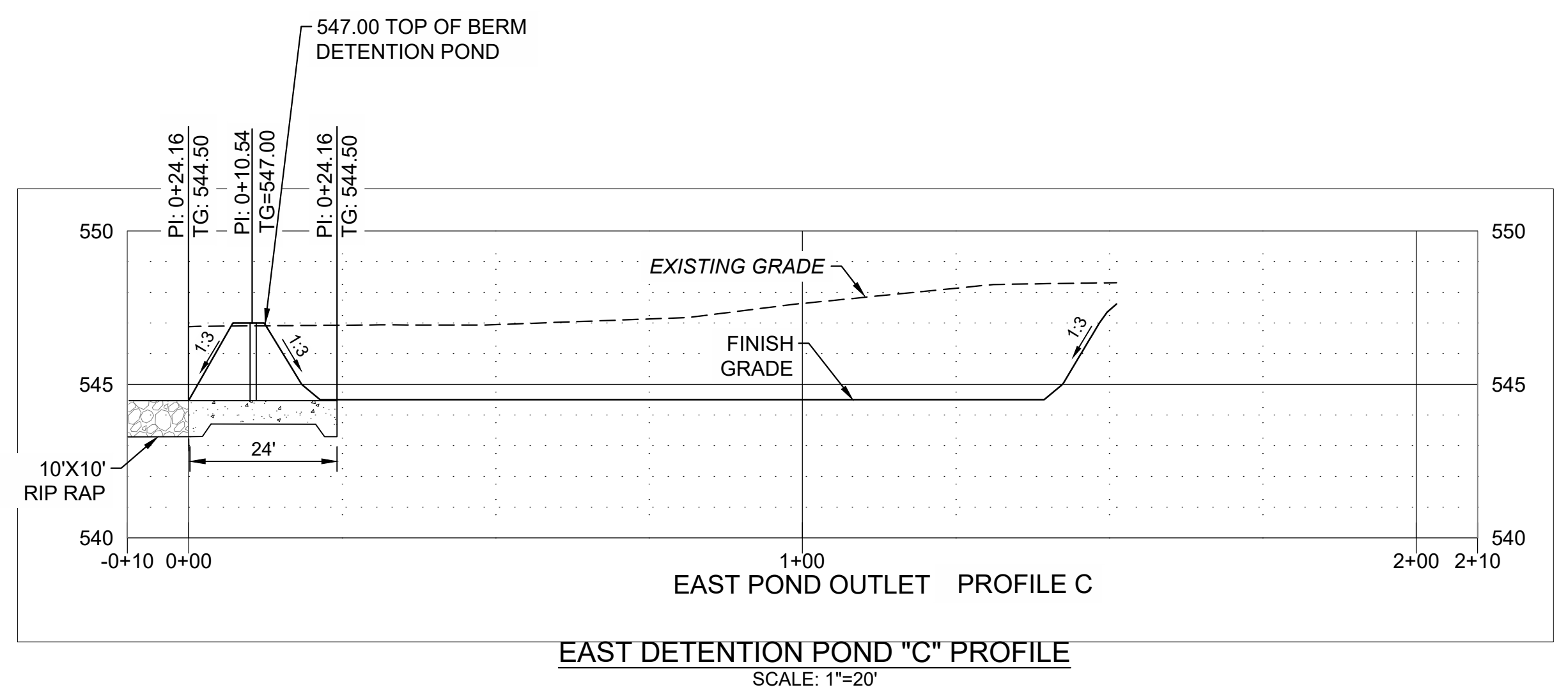
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.



EAST DETENTION POND "A" PROFILE
SCALE: 1"=20'

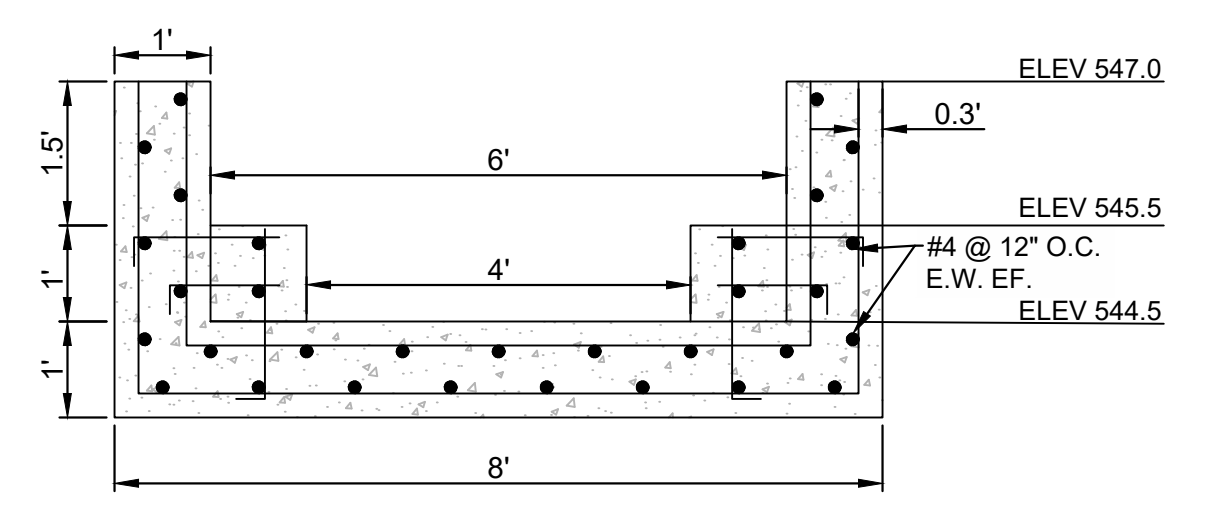


EAST DETENTION POND "B" PROFILE
SCALE: 1"=20'

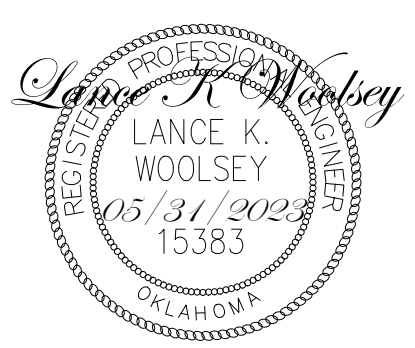


EAST DETENTION POND "C" PROFILE
SCALE: 1"=20'

PROFILE SCALES:
HORZ: 1" = 20'
VERT: 1" = 2'



SECTION D-D
SCALE: 1"=20' HORIZ 1"=5' VERT.



WARRIOR ADDITION
CHEROKEE NATION
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME: EAST DETENTION POND
SHEET NO.: C504

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PLOT: 5/31/2023 4:37:23 PM
ORIG SIZE: 24"X36"



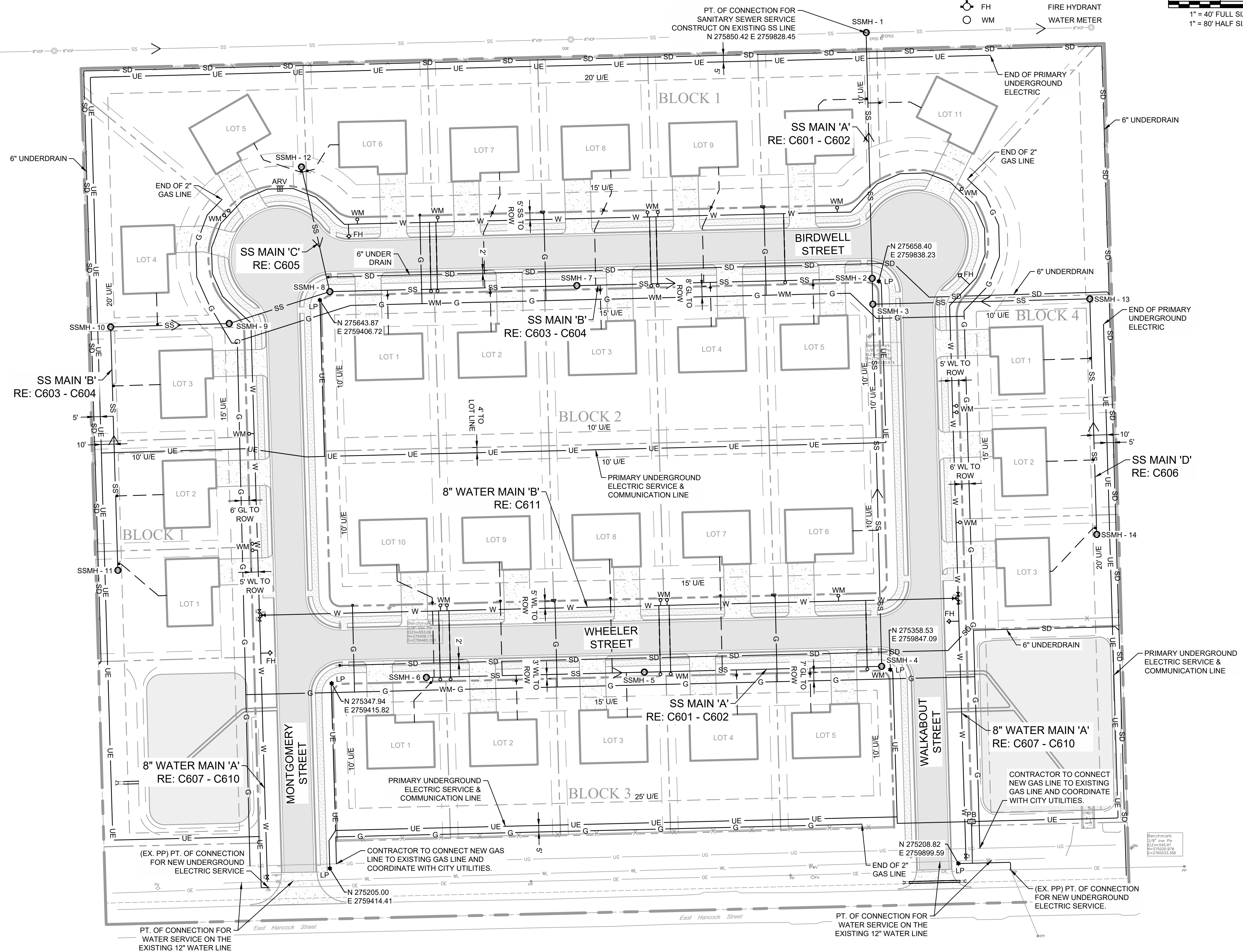
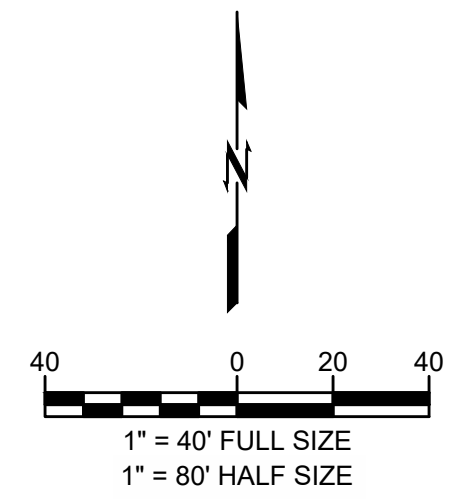
GENERAL UTILITY NOTES:

- PRIOR TO CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR WITH THE PROPER UTILITY COMPANY PROVIDING SERVICE. SERVICE LINES SHOWN FOR COORDINATION AND REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH ALL SERVICE PROVIDERS (TELECOMMUNICATIONS, ELECTRIC, GAS, ETC.) PRIOR TO INSTALLING SERVICE LINES OR APPURTENANCES. CONTRACTOR IS TO COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- THIS PLAN DEPICTS THE INTENT OF PRIVATE AND FRANCHISE UTILITY ROUTINGS AS UNDERSTOOD DURING DESIGN PHASES OF THE PROJECT. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO NEGOTIATE ALL CONTRACTS FOR SERVICE WITH EACH INDIVIDUAL UTILITY COMPANY AND TO PROVIDE THE ENGINEER WITH ANY DOCUMENTS THAT MAY AFFECT THE LAYOUT.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS BEFORE CONNECTING TO ANY EXISTING LINE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES REGARDING THE MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- NOT ALL EXISTING UNDERGROUND UTILITIES MAY BE SHOWN ON THIS PLAN. THE EXACT LOCATIONS AND NOTIFICATIONS OF THE PROPER AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
- RESTRAINED JOINTS SHALL BE PROVIDED ON 4" AND LARGER WATER LINES AT ALL BENDS TEES AND FIRE HYDRANTS FOR A MINIMUM 2 JOINTS BOTH SIDES OF FITTING PER AWWA MINIMUM STANDARDS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS. TERMINATE SERVICE PIPING 5' FROM BUILDING WALL UNTIL BUILDING PIPING SYSTEMS ARE INSTALLED. TERMINATE PIPING WITH VALVE AND CAP PLUG OR FLANGE AS REQUIRED FOR PIPING MATERIAL. MAKE CONNECTIONS TO BUILDING PIPING SYSTEMS WHEN THOSE SYSTEMS ARE INSTALLED.
- REFER TO PLUMBING AND/OR FIRE PROTECTION SHEETS FOR FIRE LINE LEAD-IN LOCATION AND DETAIL. CONTRACTOR SHALL UTILIZE AWWA AND FACTORY MUTUAL TEST AND CERTIFICATIONS FOR ALL UNDERGROUND FIRE PROTECTION LINES AS A MINIMUM. LOCAL OR STATE AUTHORITIES MAY REQUIRE MORE STRINGENT TESTING WHICH SHALL BE PROVIDED BY THE GC IF REQUIRED.
- FIRE LINE BACKFLOW PREVENTER (DOUBLE CHECK ASSEMBLY) SHALL BE LOCATED INSIDE THE BUILDING.
- ALL PIPING SHALL BE INSTALLED WITH A MINIMUM OF 30" OF COVER, UNLESS NOTED OTHERWISE. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. UTILITY TRENCH DETAIL RE: 2/C801. STORM TRENCH DETAIL RE: 7/C800.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR CONTINUATION OF UTILITIES AT BUILDING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS (INCLUDING IRRIGATION SLEEVES) PRIOR TO PAVING WHETHER OR NOT SHOWN ON CIVIL PLANS. THE CONTRACTOR SHALL INSTALL ALL CONDUITS WITH A PULL STRING. ALL CONDUIT SHALL BE SCH. 40 PVC, UNLESS NOTED OTHERWISE.
- CONSTRUCT CLAY TRENCH PLUG THAT EXTENDS AT LEAST 5 FEET OUT FROM THE FACE OF THE BUILDING EXTERIOR. THE PLUG MATERIAL SHALL CONSIST OF CLAY COMPACTED AT A WATER CONTENT AT OR ABOVE THE SOIL'S OPTIMUM WATER CONTENT. THE CLAY FILL SHALL BE PLACED TO COMPLETELY SURROUND THE UTILITY LINE AND BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
- ALL STORM PIPE ENTERING CONCRETE STRUCTURES SHALL BE GROUTED WITH NON SHRINK GROUT TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- PROVIDE SLEEVE WITH LINK-SEAL (OR APPROVED EQUAL) AT GRADE BEAM PENETRATION LOCATIONS (RE: STRUCTURAL FOR DETAIL).
- CONTRACTOR SHALL REFER TO ELECTRICAL SITE PLAN OR PHOTOMETRIC PLAN (BY OTHERS) FOR ALL SITE LIGHTING CONSTRUCTION DETAILS, REQUIREMENTS, AND FINAL POLE LOCATIONS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ADJUSTMENTS TO POLE LOCATIONS AS NECESSARY TO AVOID OBSTRUCTIONS (I.E., UNDERGROUND UTILITIES, SIDEWALKS, ETC...). CONTRACTOR SHALL POT HOLE EACH LOCATION WHERE A NEW LIGHT POLE IS TO BE PLACED PRIOR TO CONSTRUCTION TO VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES. IF DAMAGES OCCUR TO EXISTING UTILITIES THEY WILL REPLACE OR REPAIR AT THEIR OWN EXPENSE. POLE LOCATIONS MAY NOT BE ADJUSTED WITHOUT PRIOR APPROVAL FROM THE ENGINEERS SINCE A CHANGE IN LOCATION CAN IMPACT THE INTENDED PHOTOMETRIC DESIGN.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PROPOSED SIGN(S) AND INSTALLATION OF SECURITY CAMERAS WITH OWNER'S CONSTRUCTION MANAGER. COORDINATE WITH ELECTRICAL SITE PLAN TO PROVIDE ALL CONDUIT NEEDED FOR DATA AND/OR POWER TO SITE SIGN(S), SECURITY CAMERAS, AND LIGHT POLES.
- UTILITY TRENCH DETAIL REFER TO MEP FOR CONTINUATION OF UTILITIES AT BUILDING.
- ALL DIMENSIONS TO THE BACK OF CURB UNLESS NOTED OTHERWISE.

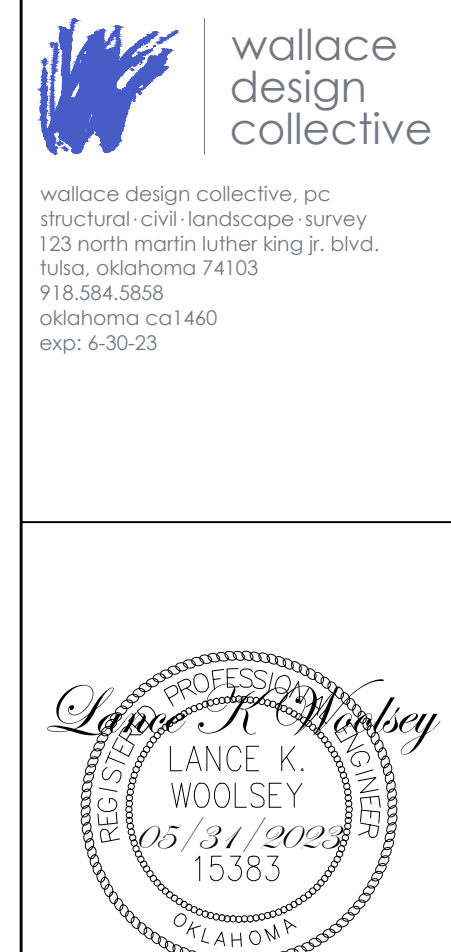
- ASPHALT PAVEMENT RE: 7/C800
- CONCRETE PAVEMENT RE: 8/C800
- CONCRETE SIDEWALK RE: 6/C800

LEGEND

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC
- SD PIPE UNDERDRAIN
- EASEMENT
- LP LIGHT POLE
- PB ELECTRIC BOX
- FH FIRE HYDRANT
- WM WATER METER
- WATER LINE
- SANITARY SEWER SERVICE
- NATURAL GAS
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- PIPE UNDERDRAIN
- EASEMENT
- LIGHT POLE
- ELECTRIC BOX
- FIRE HYDRANT
- WATER METER



ORIG SIZE: 24"x36"
 PLOT: 5/31/2023 4:32:03 PM
 \\cvi-server\Projects\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C600 Overall Utility Plan.dwg
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**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

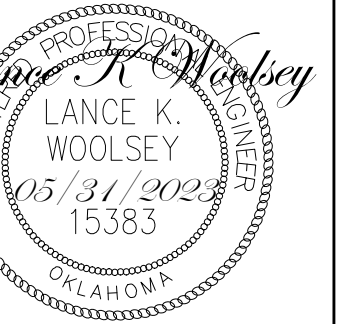
| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: UTILITY MAINS PLAN
 SHEET NO.: C600



CAUTION
 NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.



**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| DATE | DESCRIPTION |
|----------|-------------|
| 03/24/23 | |
| 05/17/23 | |

| REV | DESCRIPTION |
|-----|-------------|
| 1 | 50% SET |
| 2 | 100% SET |

DATE 05/12/23

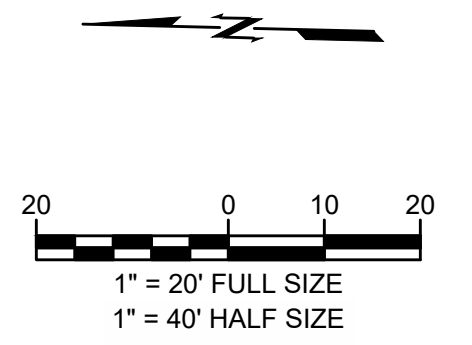
PROJECT NO. 2240526

SHEET NAME

**SANITARY SEWER
PLAN & PROFILE**

SHEET NO.

C601

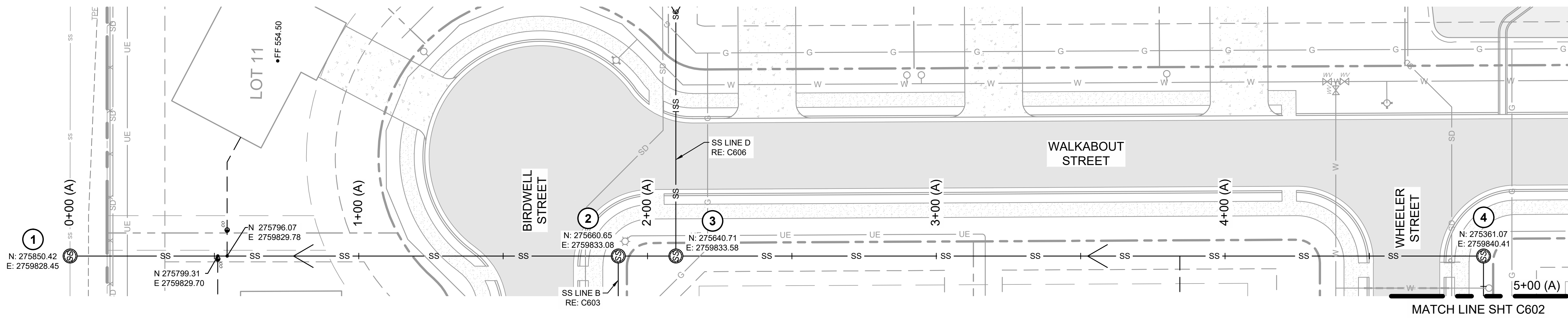


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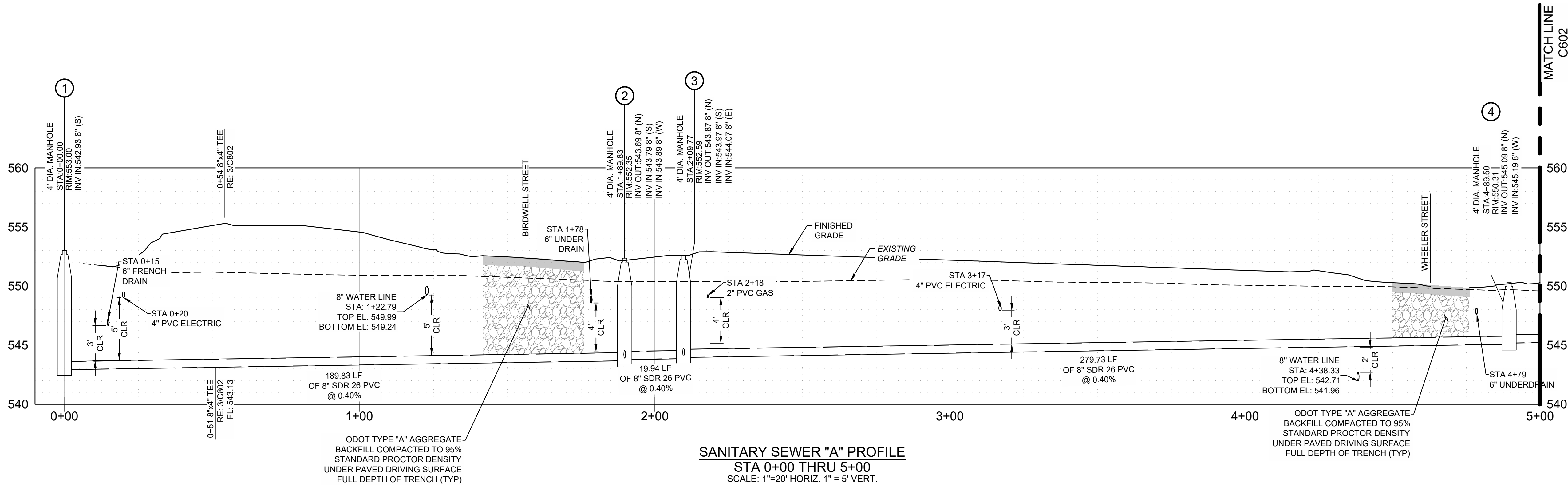
- ASPHALT PAVEMENT
RE: 7/C800
- CONCRETE PAVEMENT
RE: 8/C800
- CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- NP NEW POWER POLE RE: C800
- SDM Storm Manhole RE: C800
- UE UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



SANITARY SEWER "A" PLAN
STA 0+00 THRU 5+00
SCALE: 1"=20'



SANITARY SEWER "A" PROFILE
STA 0+00 THRU 5+00
SCALE: 1"=20' HORIZ. 1"=5' VERT.

ORIG SIZE: 24"X36"

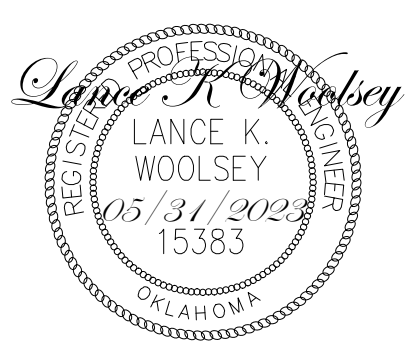
PLOT: 5/31/2023 4:32:14 PM

Sanitary Sewer Plan & Profile.dwg

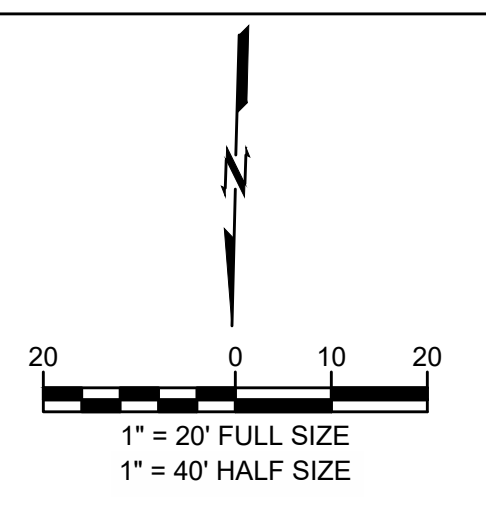
Z:\2240526 CN pre-con Site 2, Muskogee\Drawings\PRODUCTION\2240526 C601 Sanitary Sewer Plan & Profile.dwg, C601, 5/31/2023 4:32:12 PM, ARCH expanded D (68.00 x 24.00 inches), 11, rds machine



Know what's below.
Call before you dig.



**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

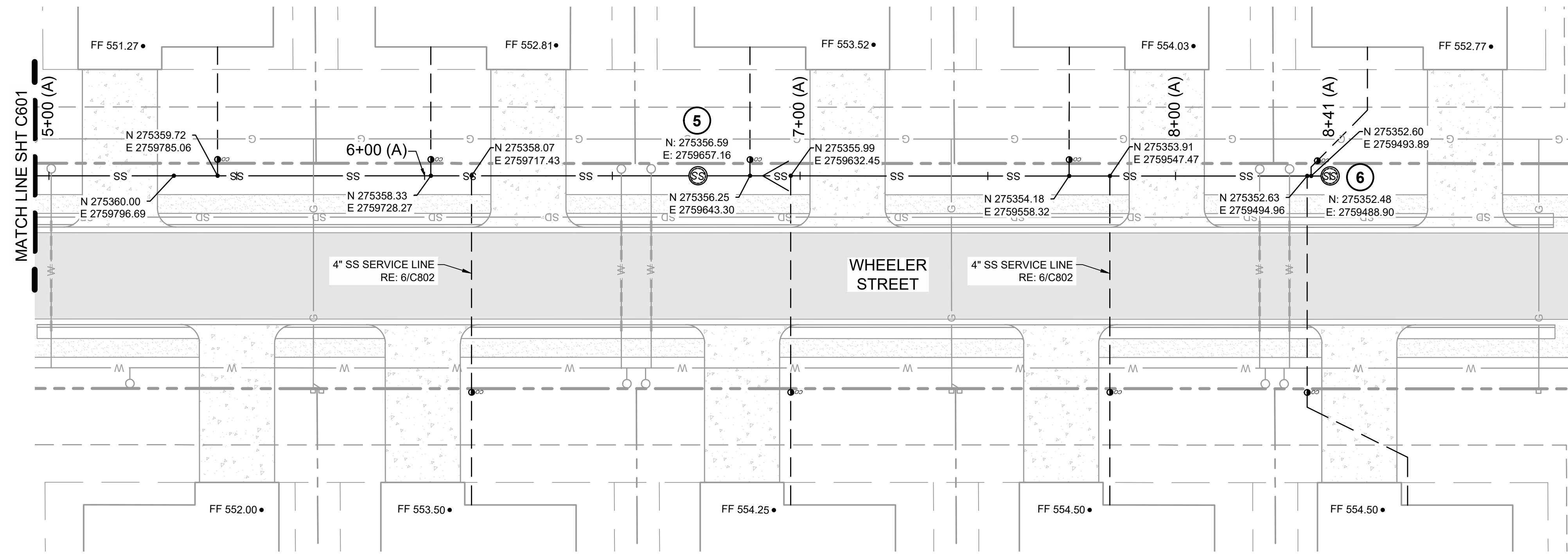


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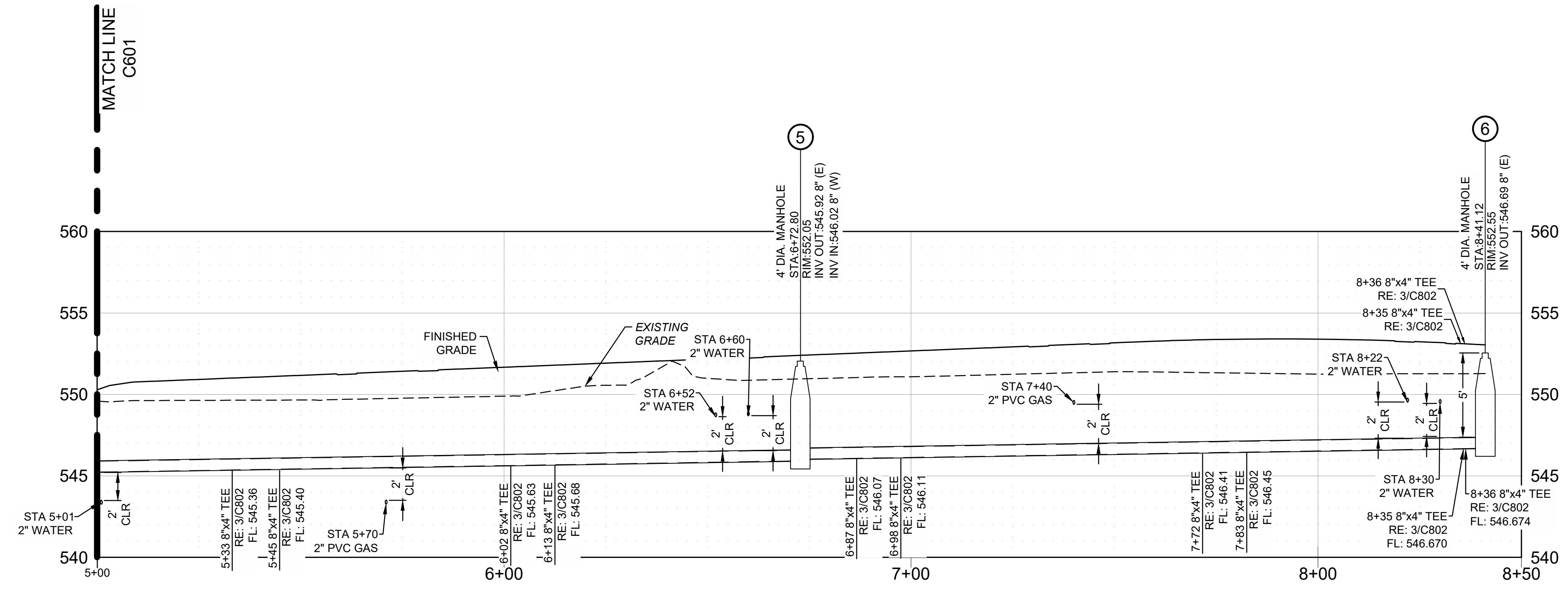
- ASPHALT PAVEMENT
RE: 7/C800
- CONCRETE PAVEMENT
RE: 8/C800
- CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- U/E UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



SANITARY SEWER "A" PLAN
STA 5+00 THRU 8+41
SCALE: 1"=20'



SANITARY SEWER "A" PROFILE
STA 5+00 THRU 8+41
SCALE: 1"=20' HORIZ. 1"=5' VERT.

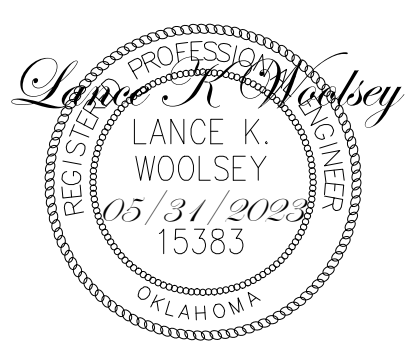
| DATE | DESCRIPTION |
|----------|-------------|
| 03/24/23 | |
| 05/17/23 | |

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
| 1 | | 50% SET |
| 2 | | 100% SET |

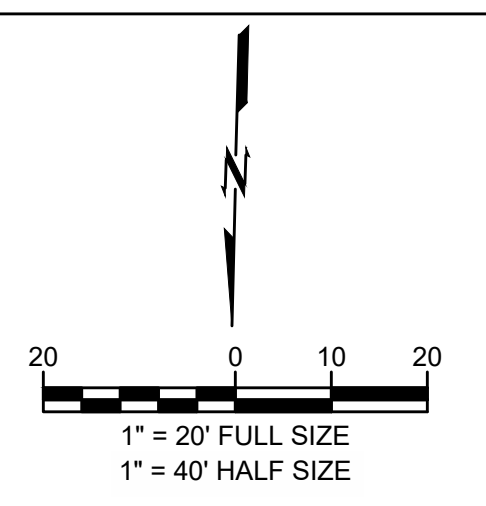
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| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | SANITARY SEWER PLAN & PROFILE |
| SHEET NO. | C602 |

Z:\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C601 Sanitary Sewer Plan & Profile.dwg PLOT:5/13/2023 4:32:18 PM ORIG SIZE:24"x36"





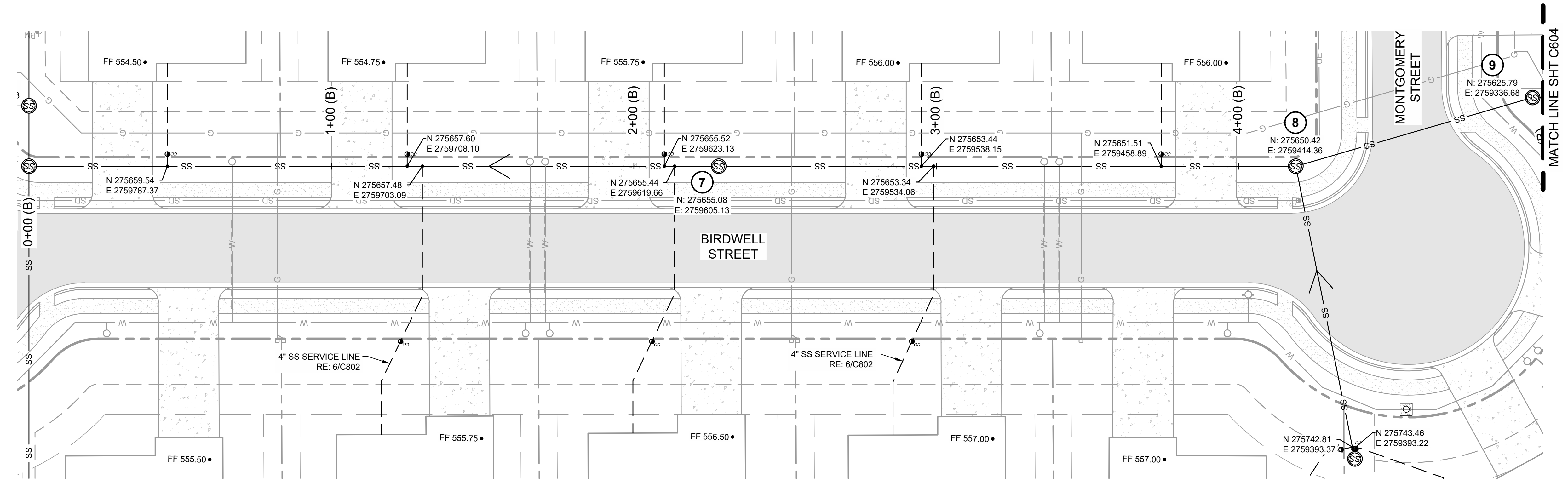
**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA



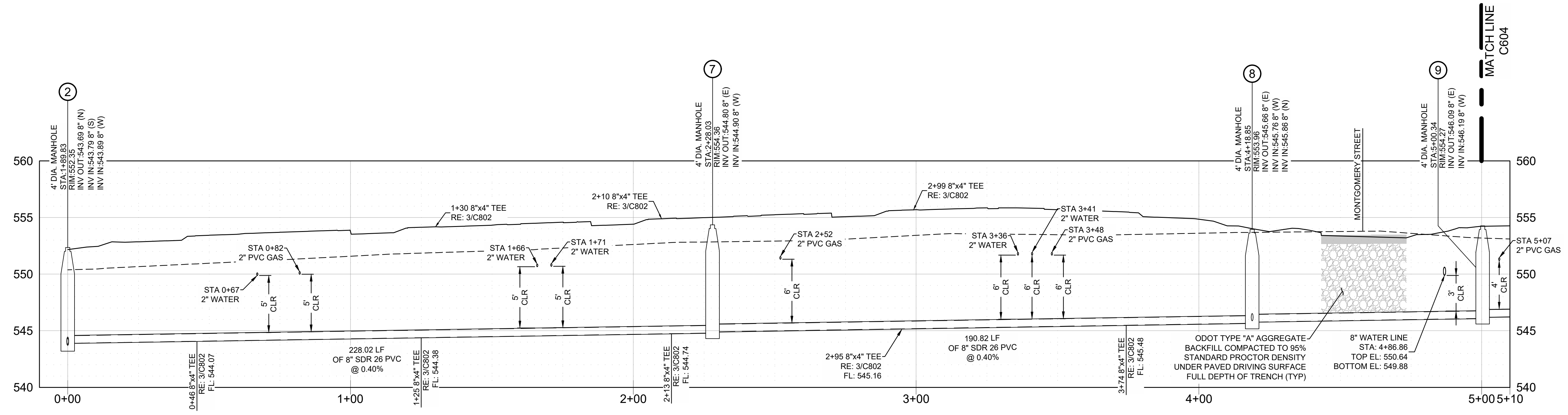
- LEGEND**
- ASPHALT PAVEMENT
RE: 7/C800
 - CONCRETE PAVEMENT
RE: 8/C800
 - CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- U/E UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



SANITARY SEWER "B" PLAN
 STA 0+00 THRU 5+00
 SCALE: 1"=20'



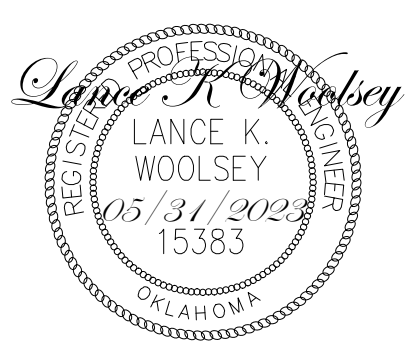
SANITARY SEWER "B" PROFILE
 STA 0+00 THRU 5+00
 SCALE: 1"=20' HORIZ. 1"=5' VERT.

Z:\2240526 CN pre-con Site 2, Muskogee\Dwg\PRODUCTION\2240526 C601 Sanitary Sewer Plan & Profile.dwg PLOT:5/31/2023 4:32:21 PM ORIG SIZE:24"x36"

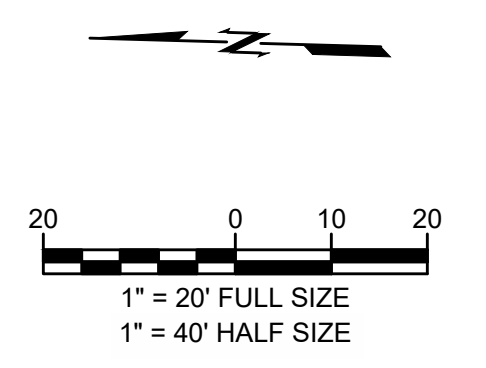


| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/17/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: SANITARY SEWER PLAN & PROFILE
 SHEET NO.: C603



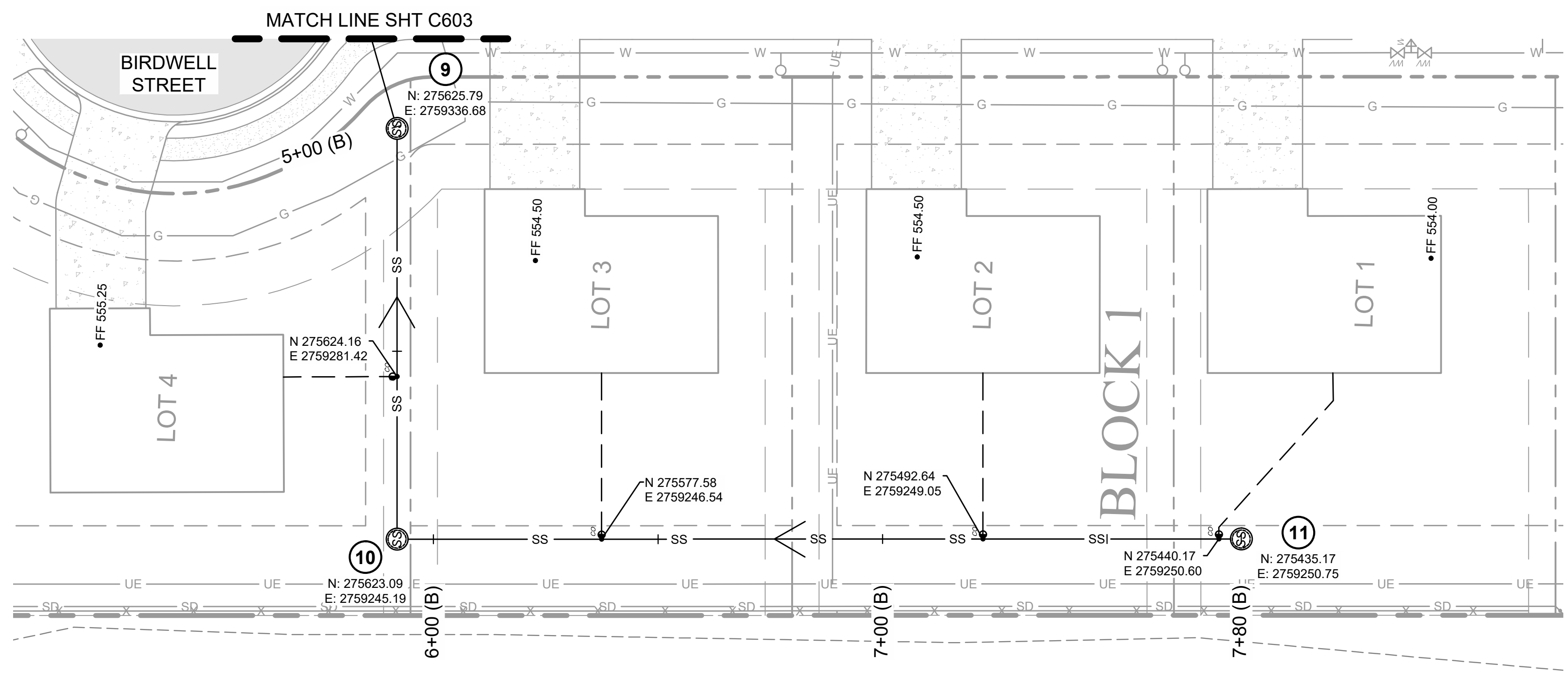
**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA



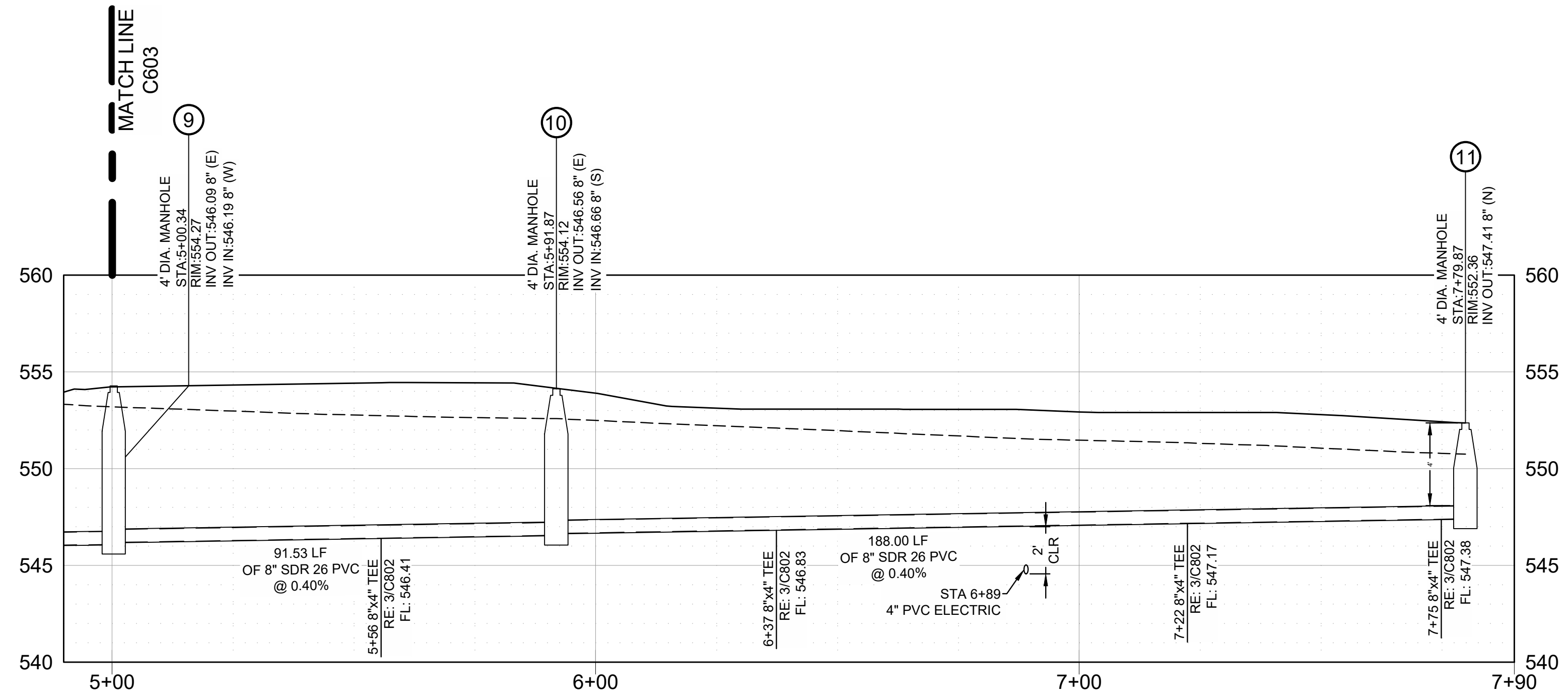
- LEGEND**
- ASPHALT PAVEMENT
RE: 7/C800
 - CONCRETE PAVEMENT
RE: 8/C800
 - CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- UE UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



SANITARY SEWER "B" PLAN
STA 5+00 THRU 7+80
SCALE: 1"=20'



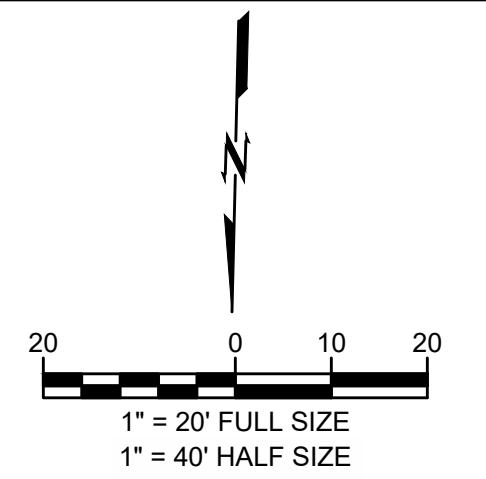
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STA 5+00 THRU 7+80
SCALE: 1"=20' HORIZ. 1"=5' VERT.

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/17/23 |

| | |
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| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | SANITARY SEWER PLAN & PROFILE |
| SHEET NO. | C604 |

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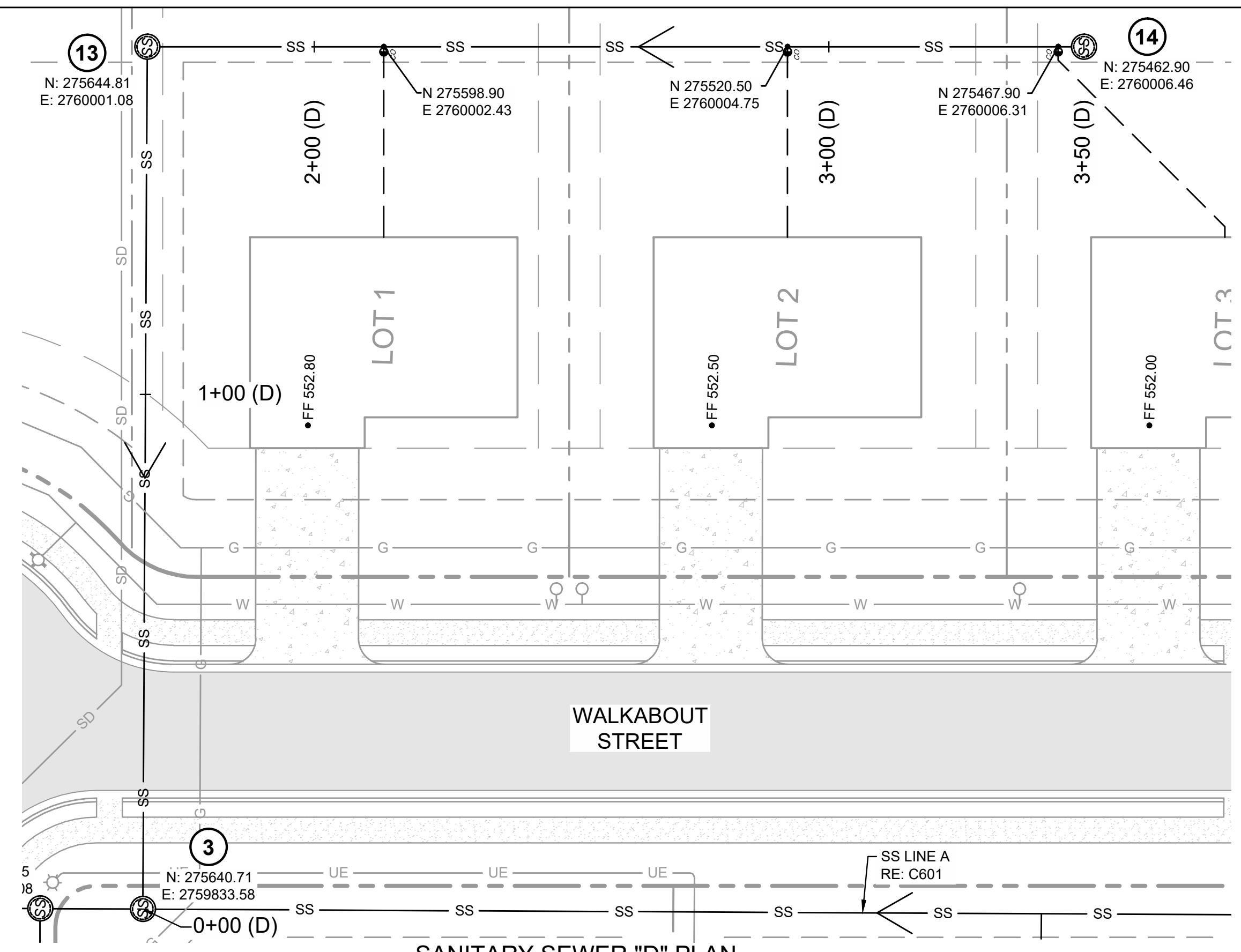
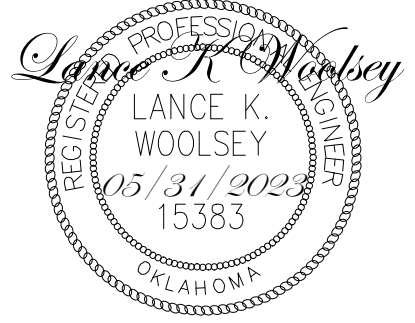


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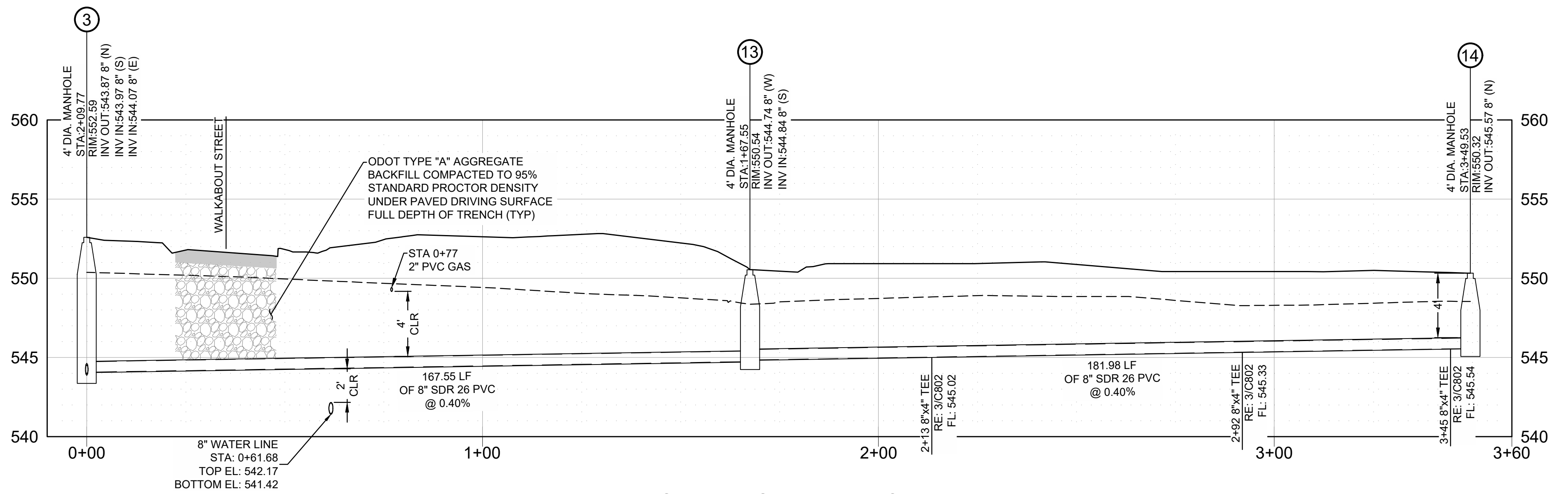
- ASPHALT PAVEMENT
RE: 7/C800
- CONCRETE PAVEMENT
RE: 8/C800
- CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- UE UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



SANITARY SEWER "D" PLAN
STA 0+00 THRU 3+50
SCALE: 1"=20'



SANITARY SEWER "D" PROFILE
STA 0+00 THRU 3+50
SCALE: 1"=20' HORIZ. 1"=5' VERT.

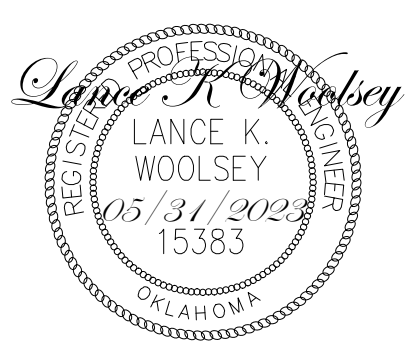
WARRIOR ADDITION
CHEROKEE NATION
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/17/23 |

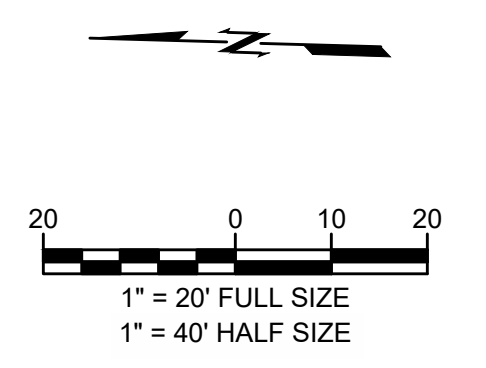
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| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | SANITARY SEWER PLAN & PROFILE |
| SHEET NO. | C606 |

Z:\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C601 Sanitary Sewer Plan & Profile.dwg PLOT:5/13/2023 4:32:27 PM ORIG SIZE:24"x36"





**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

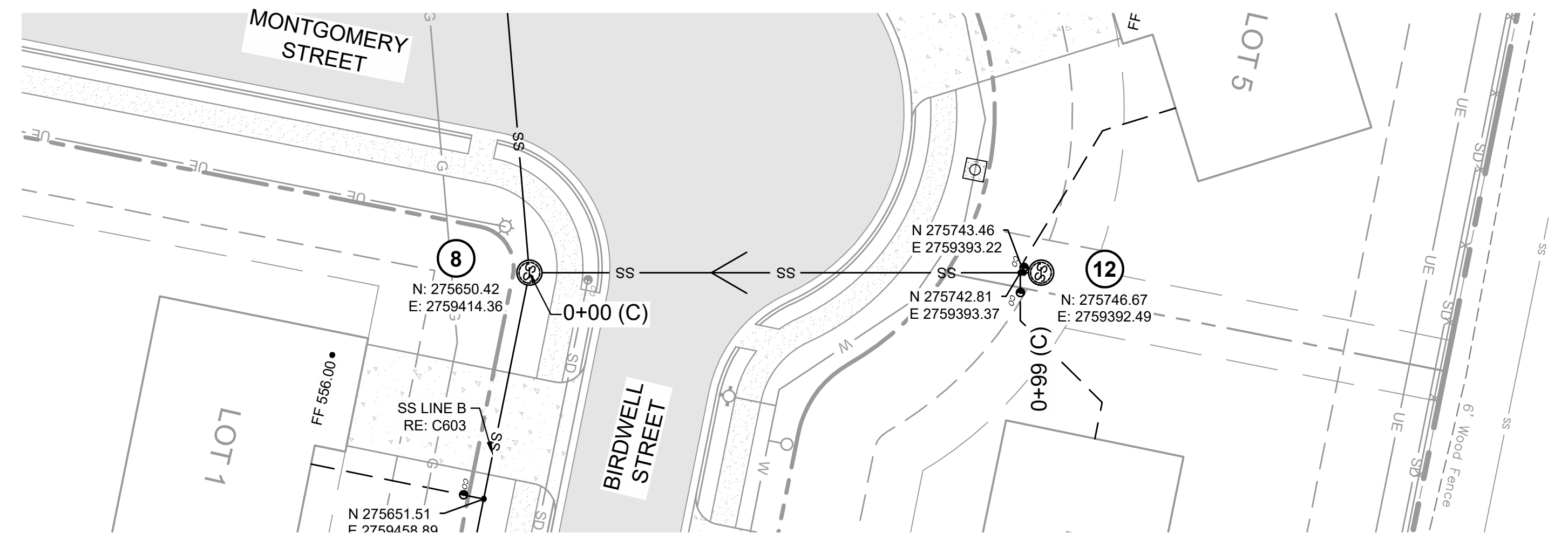


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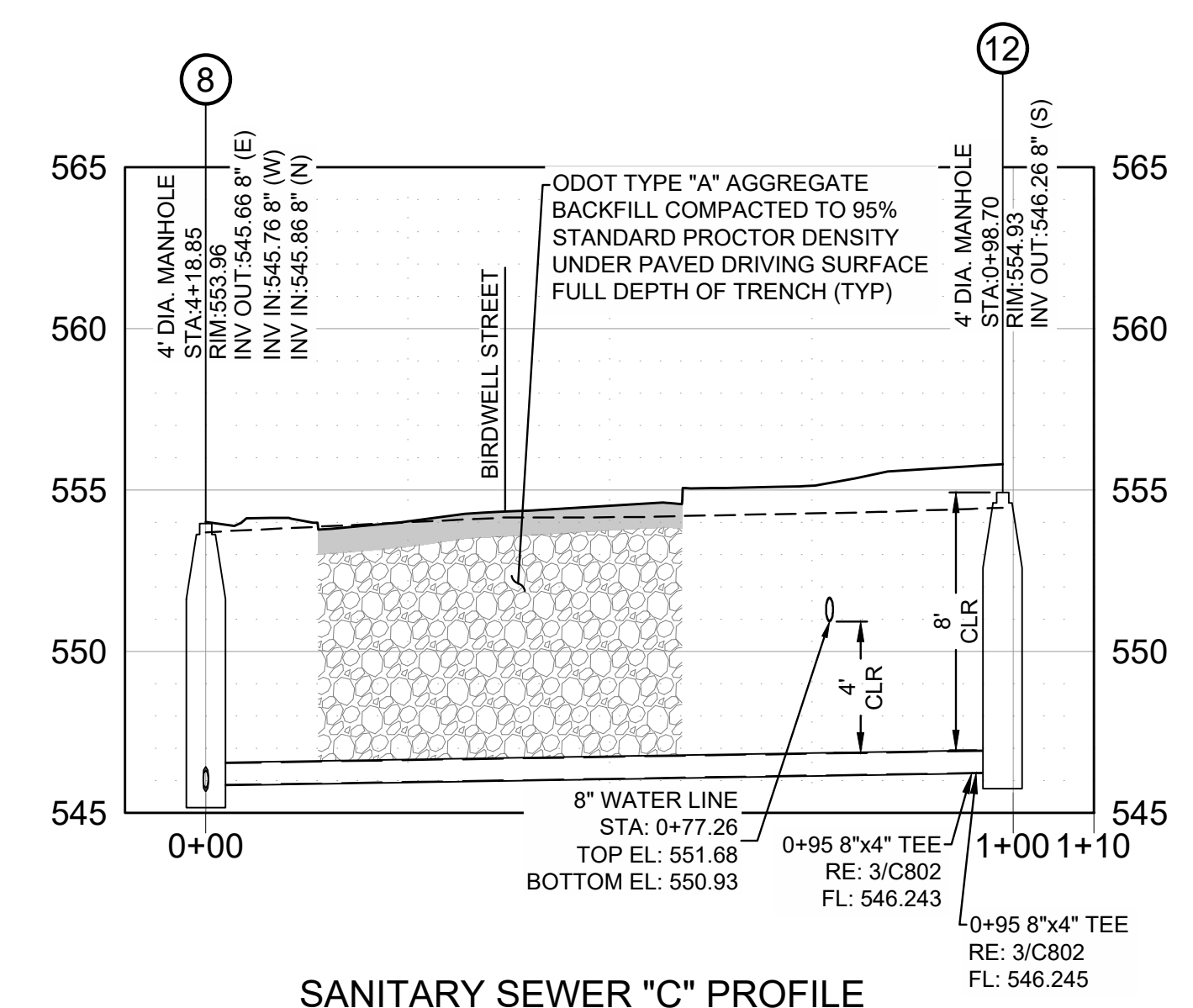
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RE: 7/C800
- CONCRETE PAVEMENT
RE: 8/C800
- CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- U/E UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



SANITARY SEWER "C" PLAN
STA 0+00 THRU 0+99
SCALE: 1"=20'



SANITARY SEWER "C" PROFILE
STA 0+00 THRU 0+99
SCALE: 1"=20' HORIZ. 1"= 5' VERT.

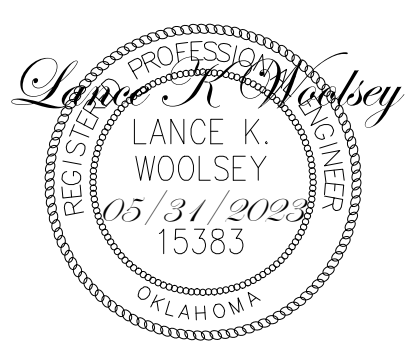
| DATE |
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| 03/24/23 |
| 05/17/23 |

| REV | DESCRIPTION |
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| 1 | 50% SET |
| 2 | 100% SET |

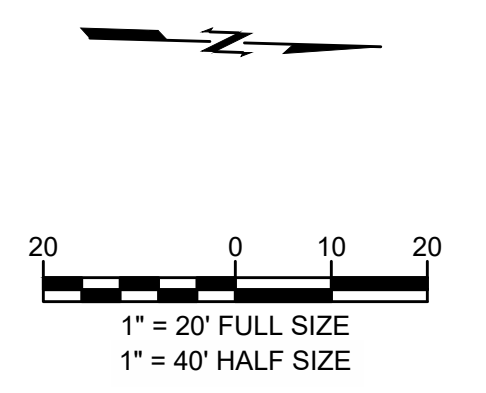
| | |
|-------------|-------------------------------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | SANITARY SEWER PLAN & PROFILE |
| SHEET NO. | C605 |



Know what's below.
Call before you dig.



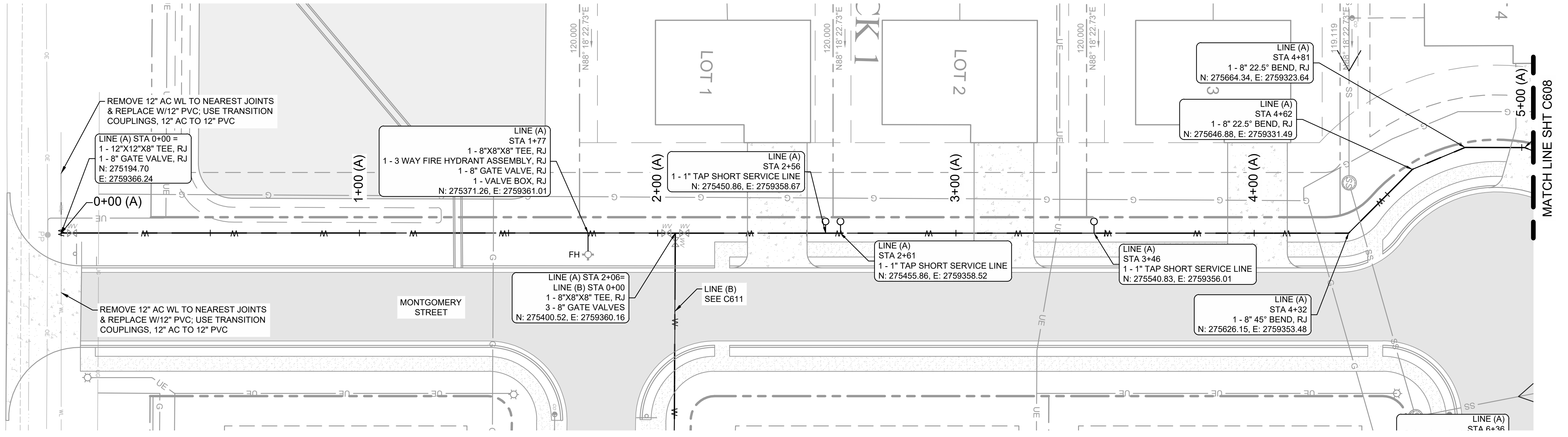
**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA



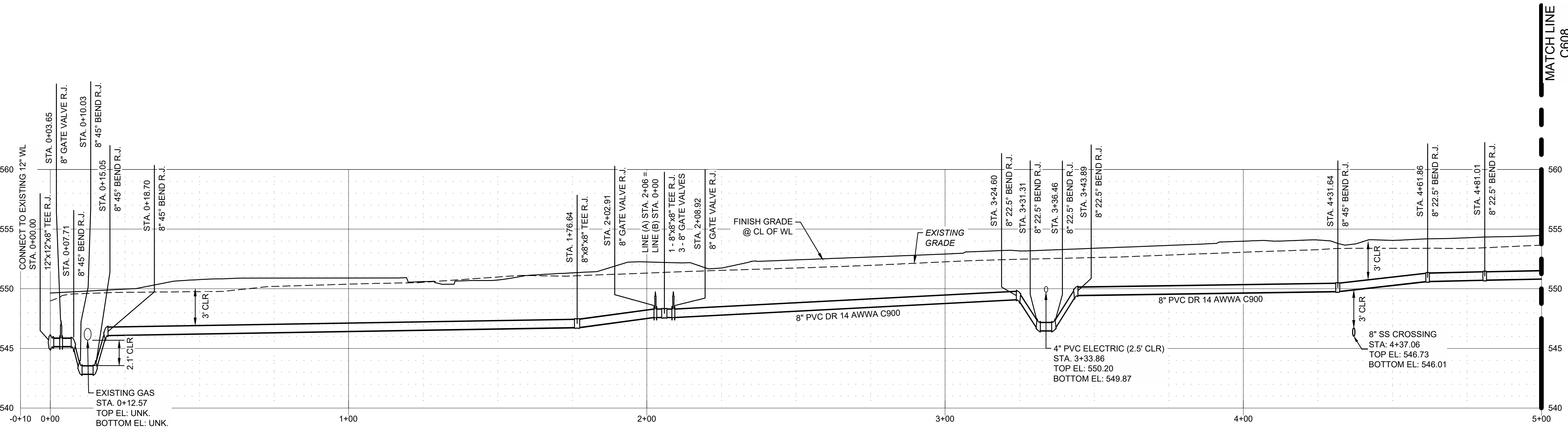
- LEGEND**
- ASPHALT PAVEMENT RE: 7/C800
 - CONCRETE PAVEMENT RE: 8/C800
 - CONCRETE SIDEWALK RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- UE UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



WATERLINE "A" PLAN
 STA 0+00 THRU 5+00
 SCALE: 1"=20'



WATERLINE "A" PROFILE
 STA 0+00 THRU 5+00
 SCALE: 1"=20' HORIZ. 1" = 5' VERT.



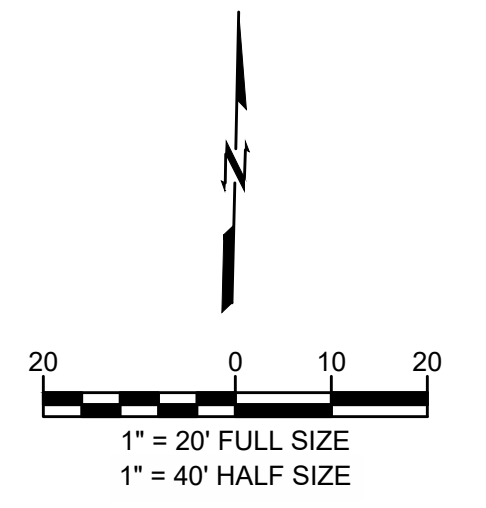
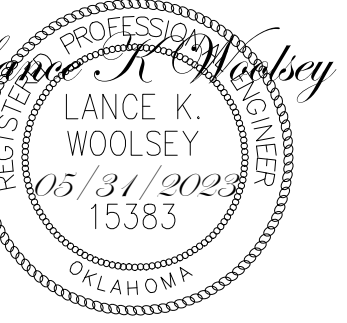
CAUTION
 NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| A | 50% SET | 03/24/23 |
| B | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: WATERLINE PLAN & PROFILE
 SHEET NO.: **C607**

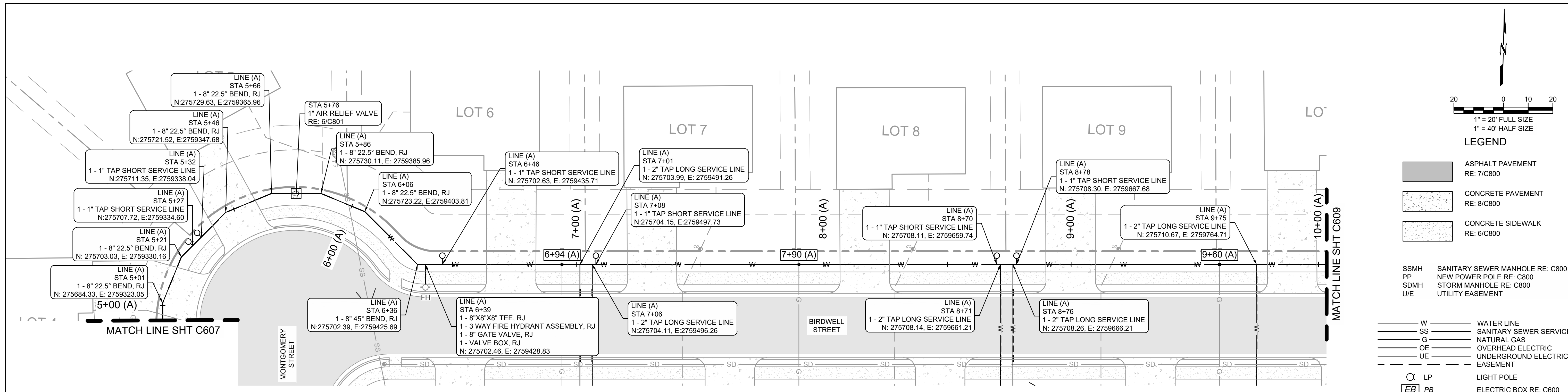
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 PLOT: 5/31/2023 4:32:43 PM
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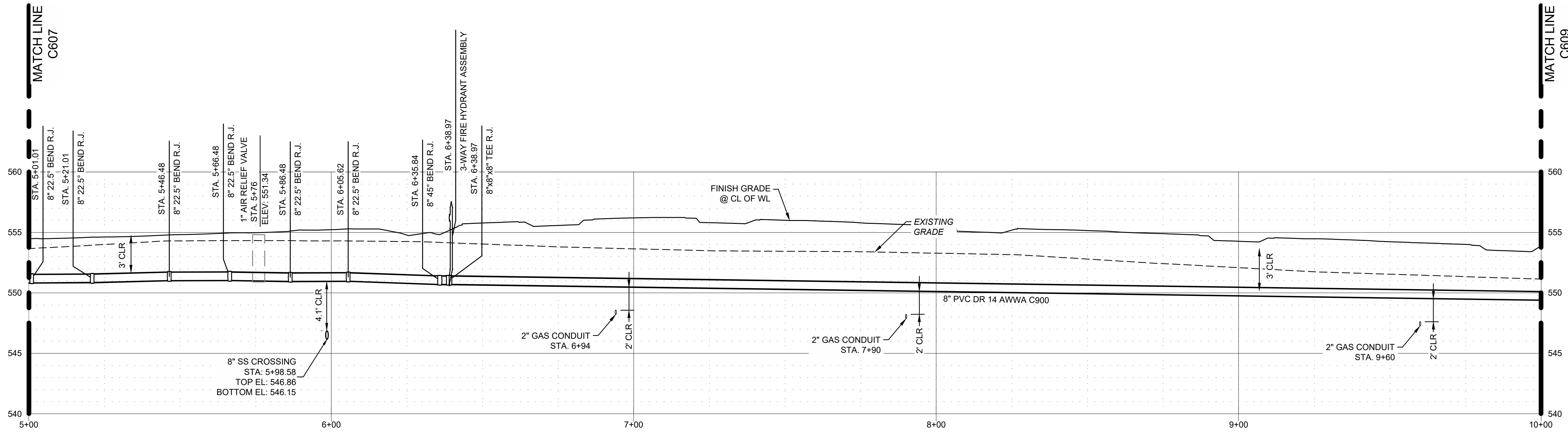
- LEGEND**
- ASPHALT PAVEMENT RE: 7/C800
 - CONCRETE PAVEMENT RE: 8/C800
 - CONCRETE SIDEWALK RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- U/E UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



WATERLINE "A" PLAN
STA 5+00 THRU 10+00
SCALE: 1"=20'



WATERLINE "A" PROFILE
STA 5+00 THRU 10+00
SCALE: 1"=20' HORIZ. 1"=5' VERT.



CAUTION
NOTICE TO CONTRACTOR

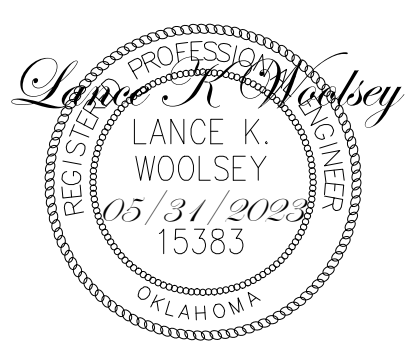
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

WARRIOR ADDITION
CHEROKEE NATION
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| A | 50% SET | 03/24/23 |
| B | 100% SET | 05/12/23 |

| | |
|-------------|--------------------------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | WATERLINE PLAN & PROFILE |
| SHEET NO. | C608 |

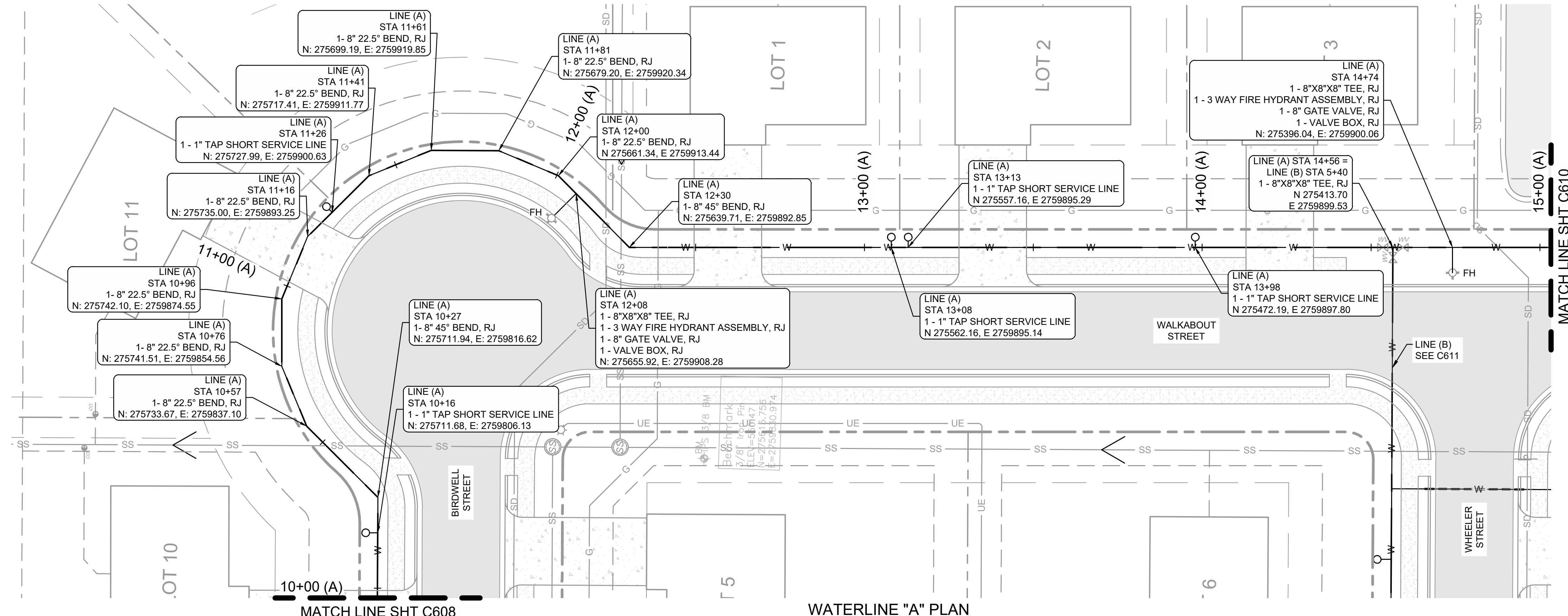
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**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| A | 50% SET | 03/24/23 |
| B | 100% SET | 05/12/23 |

DATE: 05/12/23
PROJECT NO.: 2240526
SHEET NAME: WATERLINE PLAN & PROFILE
SHEET NO.: C609

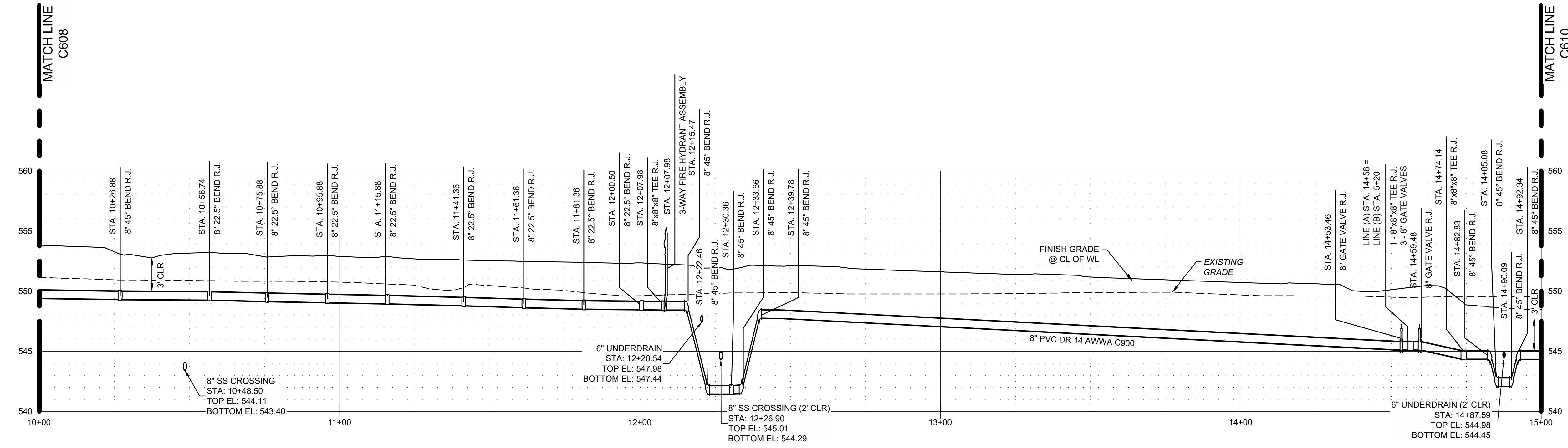


WATERLINE "A" PLAN
STA 10+00 THRU 15+00
SCALE: 1"=20'

1" = ##" FULL SIZE
1" = 40' HALF SIZE

LEGEND

- ASPHALT PAVEMENT RE: 7/C800
- CONCRETE PAVEMENT RE: 8/C800
- CONCRETE SIDEWALK RE: 6/C800
- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- UE UTILITY EASEMENT
- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- PB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



WATERLINE "A" PROFILE
STA 10+00 THRU 15+00
SCALE: 1"=20' HORIZ. 1" = 5' VERT.

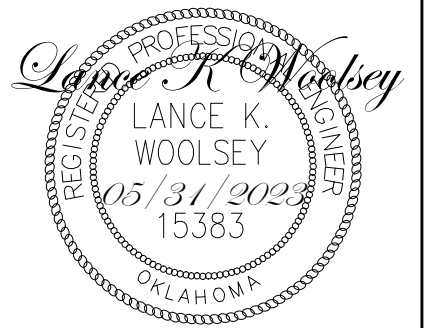


CAUTION
NOTICE TO CONTRACTOR

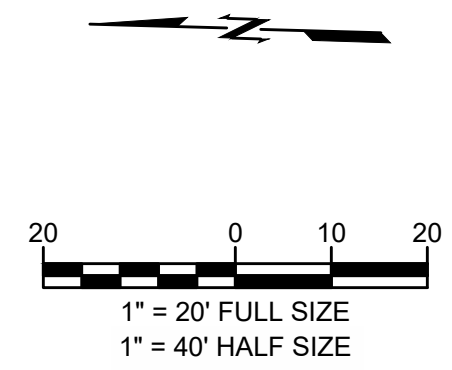
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Z:\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C607 Waterline Plan & Profile.dwg PLOT:5/31/2023 4:32:51 PM ORIG SIZE:24"x36"

Z:\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C607 Waterline Plan & Profile.dwg C609: 5/1/2023 4:32:48 PM, ARCH:expared.D (58,00 x 241,00 inches), 11, notes machine



**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

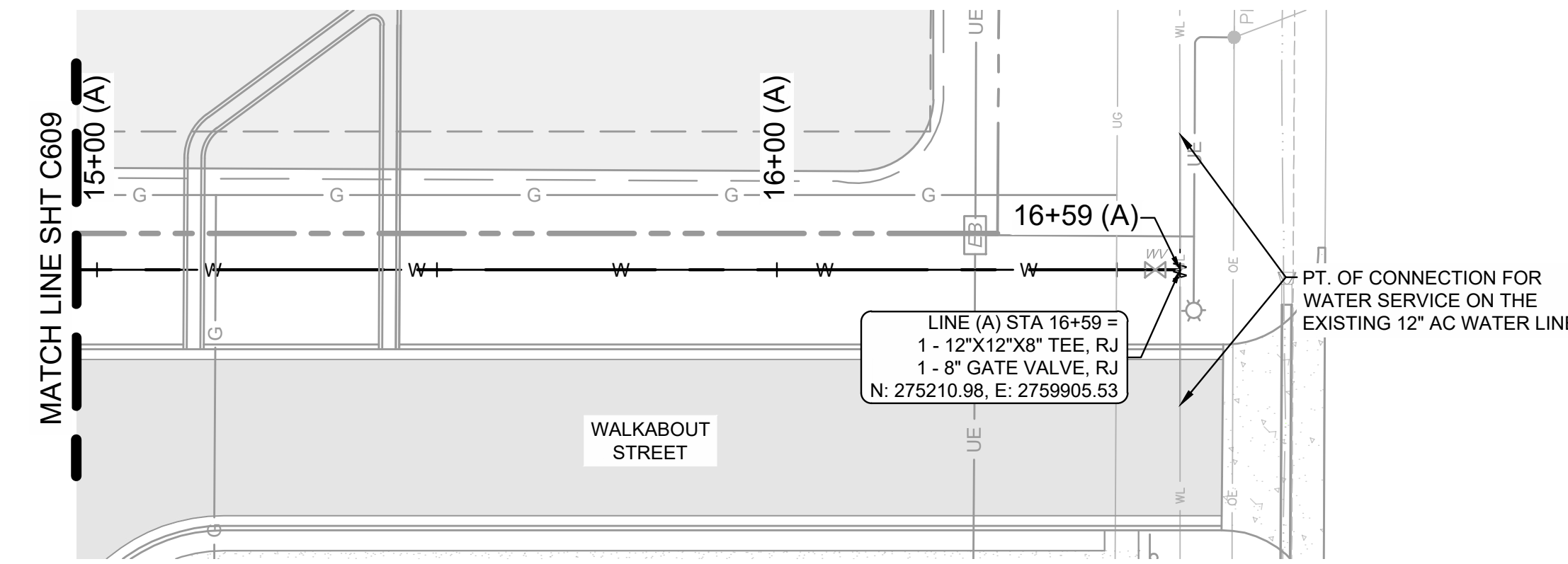


LEGEND

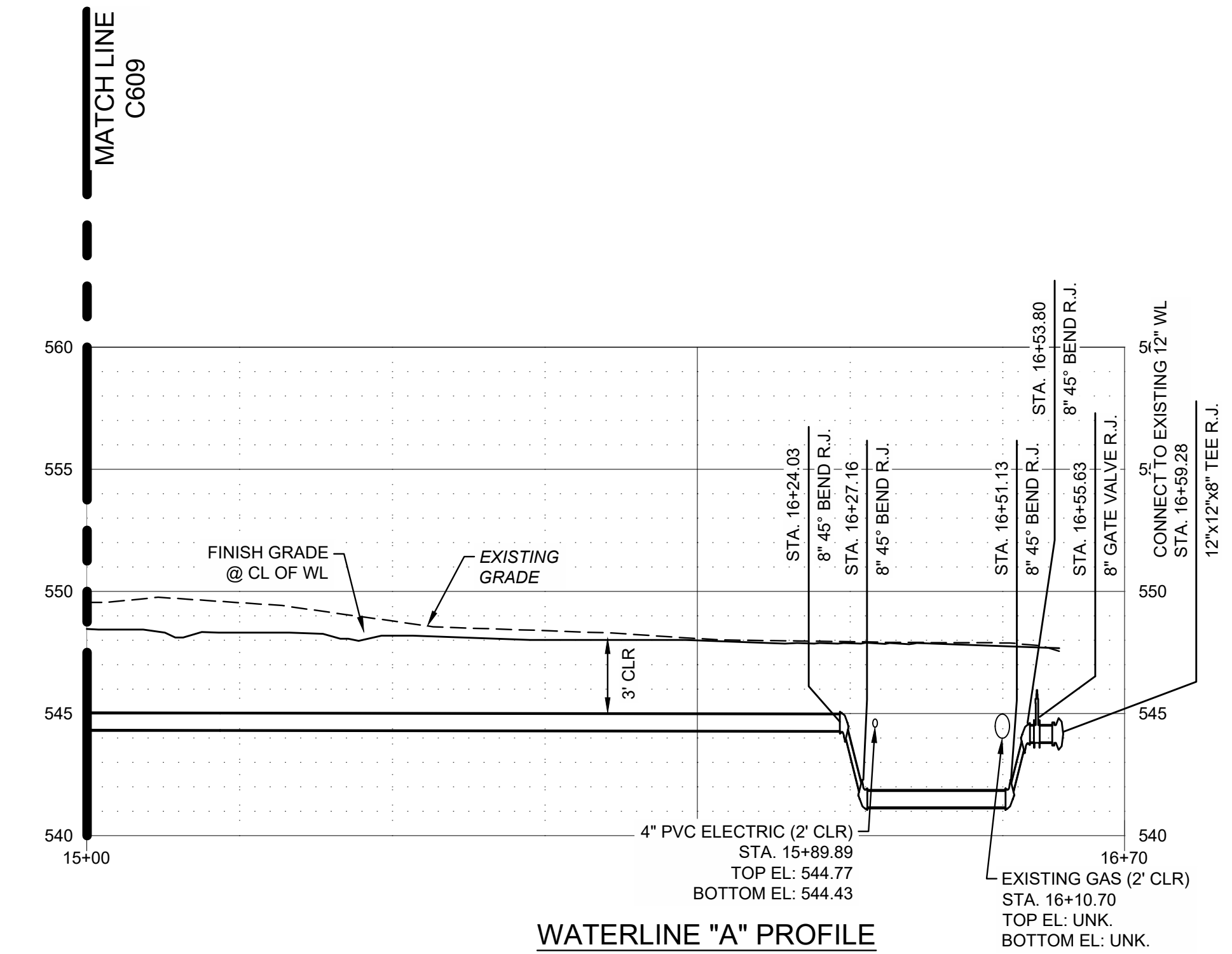
- ASPHALT PAVEMENT RE: 7/C800
- CONCRETE PAVEMENT RE: 8/C800
- CONCRETE SIDEWALK RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- FP NEW POWER POLE RE: C800
- SDMH STORM MANHOLE RE: C800
- U/E UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



WATERLINE "A" PLAN
STA 15+00 THRU 16+59
SCALE: 1"=20'



WATERLINE "A" PROFILE
STA 15+00 THRU 16+59
SCALE: 1"=20' HORIZ. 1" = 5' VERT.

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| A | 50% SET | 03/24/23 |
| B | 100% SET | 05/12/23 |

| | |
|-------------|--------------------------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | WATERLINE PLAN & PROFILE |
| SHEET NO. | C610 |



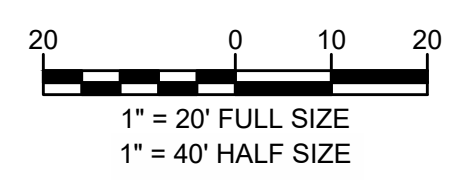
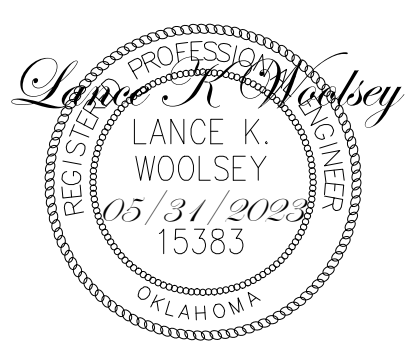
Know what's below.
Call before you dig.

CAUTION
NOTICE TO CONTRACTOR

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Z:\2240526 CN pre-con Site 2, Muskogee\Dwg\PRODUCTION\2240526 C607 Waterline Plan & Profile.dwg PLOT:5/31/2023 4:32:54 PM ORIG SIZE:24"X36"

Z:\2240526 CN pre-con Site 2, Muskogee\Dwg\PRODUCTION\2240526 C607 Waterline Plan & Profile.dwg, C610, 5/31/2023 4:32:52 PM, ARCP+expared D (58.00 x 24.00 inches), 11, rcb, machine

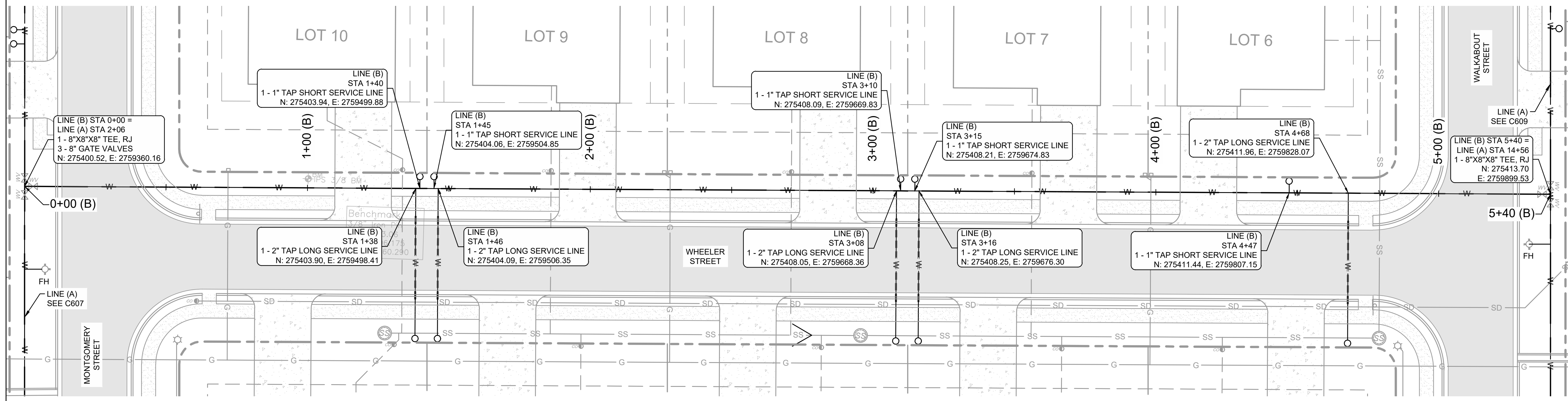


LEGEND

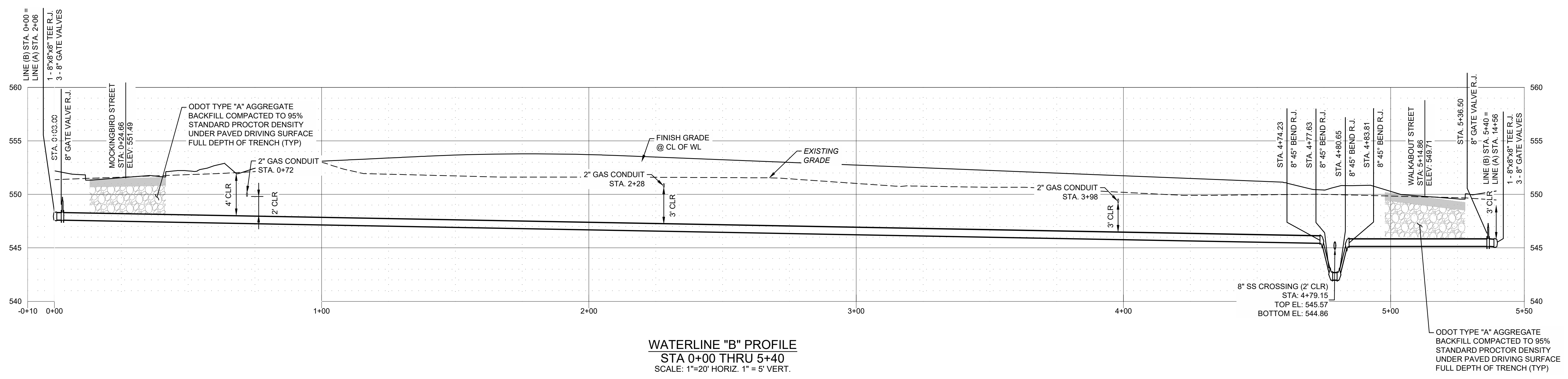
- ASPHALT PAVEMENT
RE: 7/C800
- CONCRETE PAVEMENT
RE: 8/C800
- CONCRETE SIDEWALK
RE: 6/C800

- SSMH SANITARY SEWER MANHOLE RE: C800
- NP NEW POWER POLE RE: C800
- SDMh STORM MANHOLE RE: C800
- UE UTILITY EASEMENT

- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER



WATERLINE "B" PLAN
 STA 0+00 THRU 5+20
 SCALE: 1"=20'



WATERLINE "B" PROFILE
 STA 0+00 THRU 5+40
 SCALE: 1"=20' HORIZ. 1" = 5' VERT.



CAUTION
 NOTICE TO CONTRACTOR

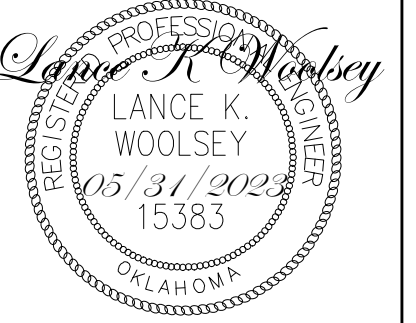
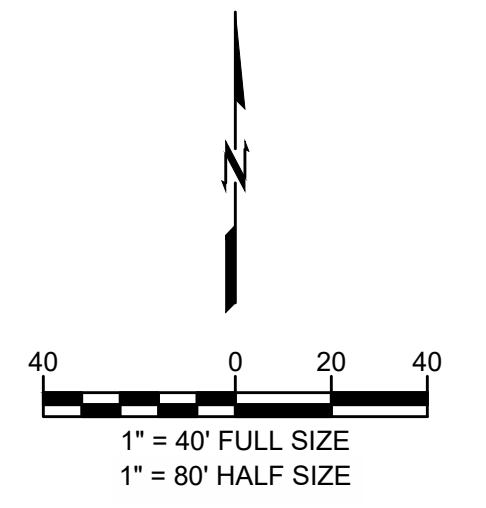
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

WARRIOR ADDITION
CHEROKEE NATION
 MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| A | 50% SET | 03/24/23 |
| B | 100% SET | 05/12/23 |

| | |
|-------------|--------------------------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | WATERLINE PLAN & PROFILE |
| SHEET NO. | C611 |

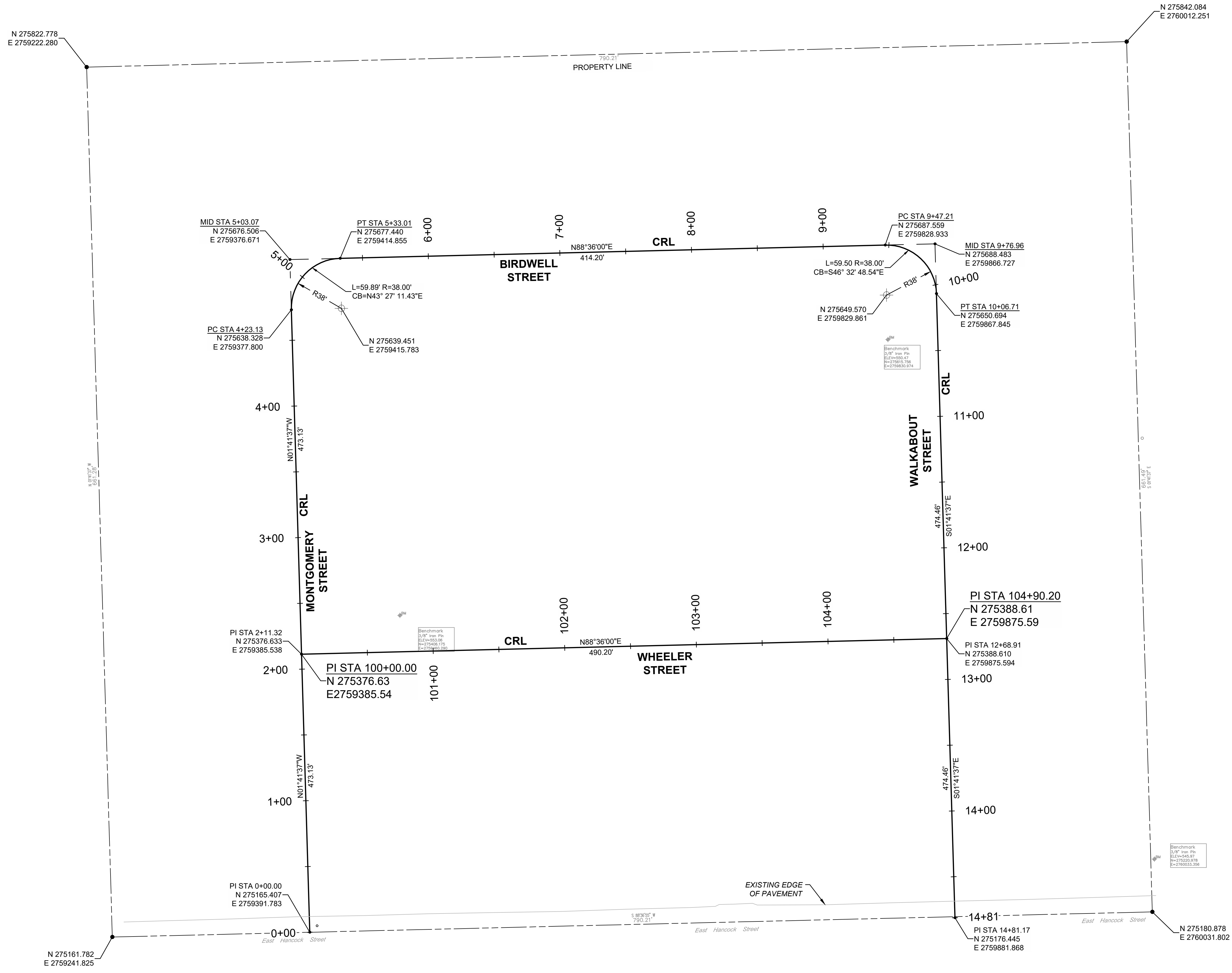
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**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

| | |
|-------------|----------------|
| DATE | 05/12/23 |
| PROJECT NO. | 2240526 |
| SHEET NAME | GEOMETRIC PLAN |
| SHEET NO. | C700 |



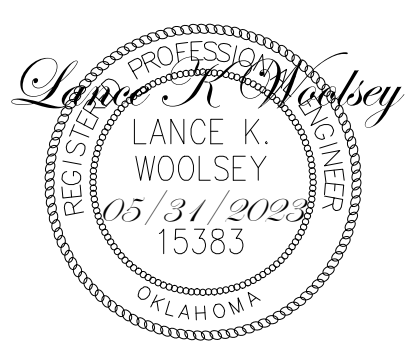
**CAUTION
NOTICE TO CONTRACTOR**

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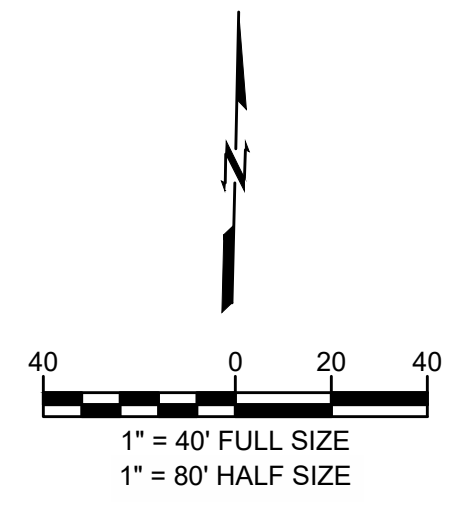
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**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

BENCHMARKS
 BENCHMARKS PER TOPOGRAPHIC SURVEY COMPLETED BY BENNETT SURVEYING, INC., DATED 01.09.2023.

| | | |
|---|---|---|
| BENCHMARK 3/8" IRON PIN ELEV: 550.47 N: 275615.756 E: 2759830.974 | BENCHMARK 3/8" IRON PIN ELEV: 553.06 N: 275406.175 E: 2759460.290 | BENCHMARK 3/8" IRON PIN ELEV: 545.97 N: 275220.978 E: 2760033.356 |
|---|---|---|

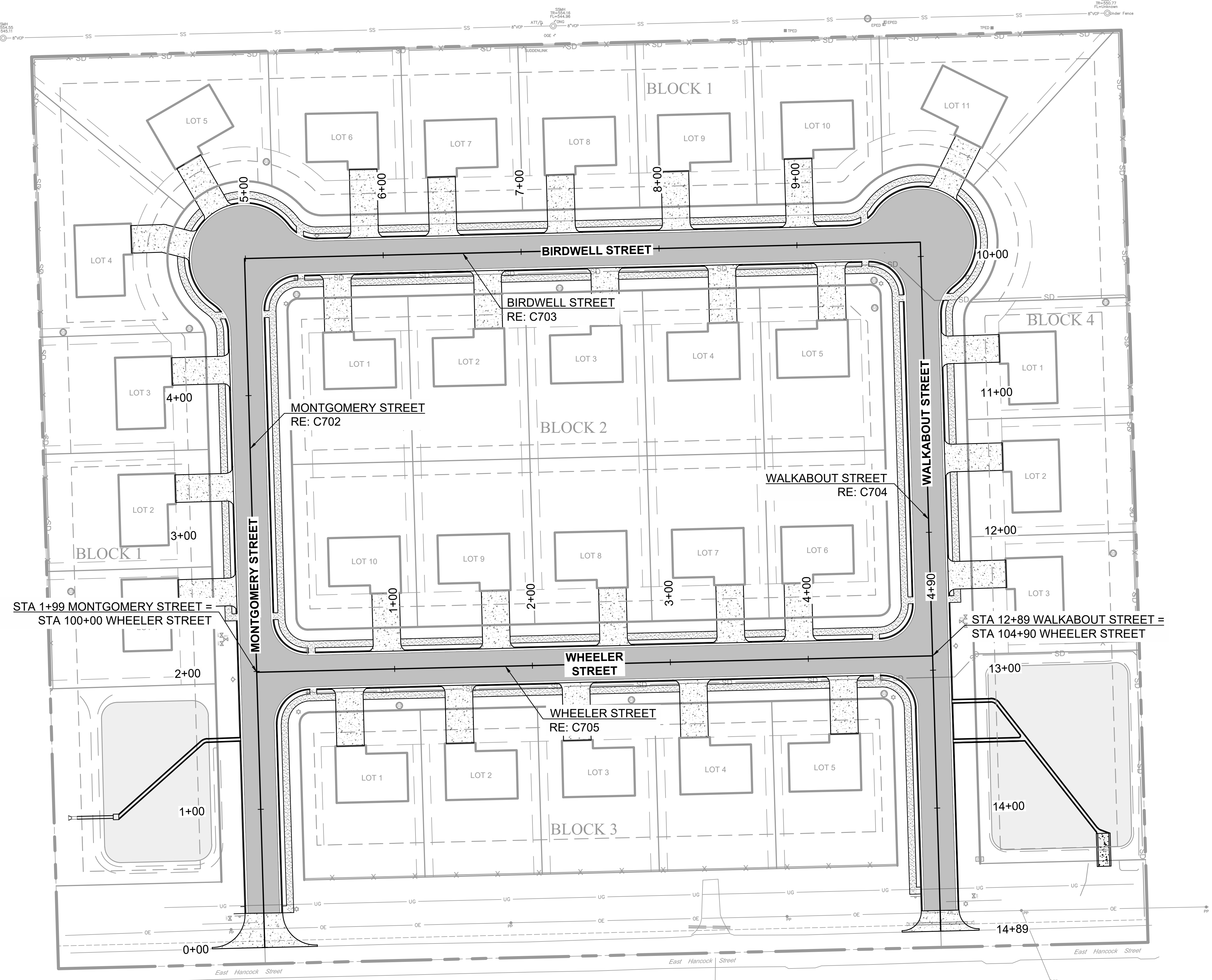


LEGEND

| | |
|--|---------------------------------|
| | ASPHALT PAVEMENT RE: 7/C800 |
| | CONCRETE PAVEMENT RE: 8/C800 |
| | CONCRETE SIDEWALK RE: 6/C800 |

| | |
|------|---------------------------------|
| SSMH | SANITARY SEWER MANHOLE RE: C800 |
| FP | NEW POWER POLE RE: C800 |
| SDMH | STORM MANHOLE RE: C800 |
| UE | UTILITY EASEMENT |

| | |
|----|-------------------------------|
| W | WATER LINE |
| SS | SANITARY SEWER SERVICE |
| G | NATURAL GAS |
| OE | OVERHEAD ELECTRIC |
| UE | UNDERGROUND ELECTRIC EASEMENT |
| LP | LIGHT POLE |
| EB | ELECTRIC BOX RE: C800 |
| FH | FIRE HYDRANT RE: 1/C801 |
| WM | WATER METER |



**CAUTION
 NOTICE TO CONTRACTOR**

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| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: OVERALL STREET PLAN
 SHEET NO.: C701

Z:\2240526 CN pre-con Site 2, Muskogee\Dwg\PRODUCTION\2240526 C701 Street Plan & Profile.dwg PLOT: 5/31/2023 4:33:13 PM ORIG SIZE: 24"x36"

**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

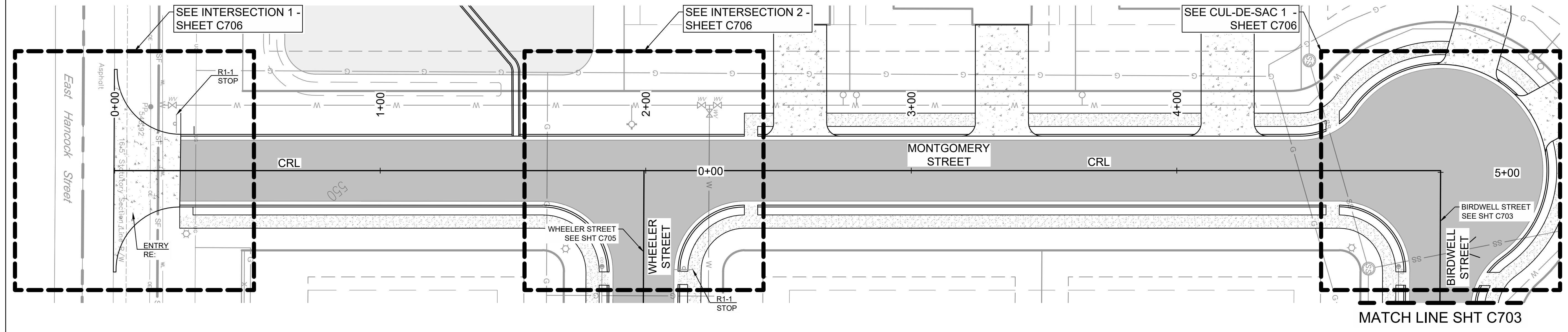
| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: STREET PLAN & PROFILE
 SHEET NO.: C702

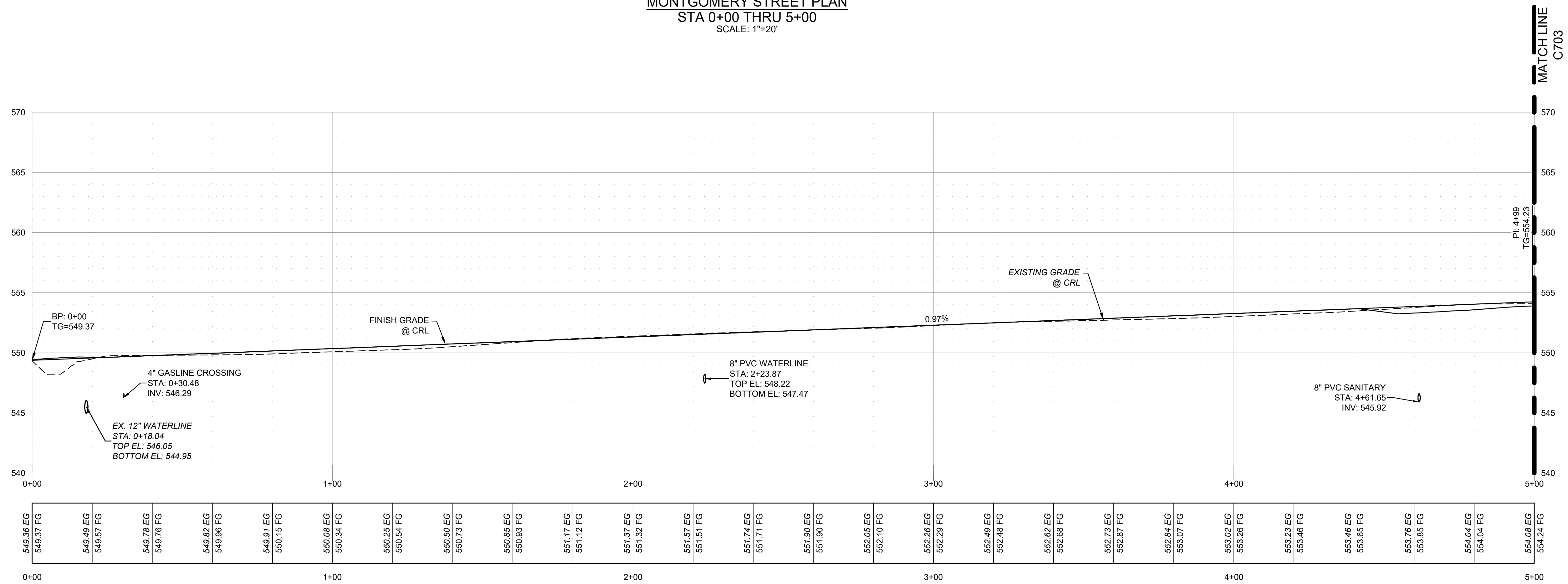
LEGEND

| | | | |
|-------------------------|------------------------------|----|------------------------|
| RE: C700 FOR GEOMETRICS | ASPHALT PAVEMENT RE: 7/C800 | W | WATER LINE |
| | CONCRETE PAVEMENT RE: 8/C800 | SS | SANITARY SEWER SERVICE |
| | CONCRETE SIDEWALK RE: 6/C800 | G | NATURAL GAS |
| | | OE | OVERHEAD ELECTRIC |
| | | UE | UNDERGROUND ELECTRIC |
| | | SD | FRENCH DRAIN EASEMENT |
| | | LP | LIGHT POLE |
| | | EB | ELECTRIC BOX |
| | | FH | FIRE HYDRANT |
| | | WM | WATER METER |

1" = 20' FULL SIZE
 1" = 40' HALF SIZE



MONTGOMERY STREET PLAN
 STA 0+00 THRU 5+00
 SCALE: 1"=20'



MONTGOMERY STREET PROFILE
 STA 0+00 THRU 5+00
 SCALE: 1"=20' HORIZ. 1" = 5' VERT.



CAUTION
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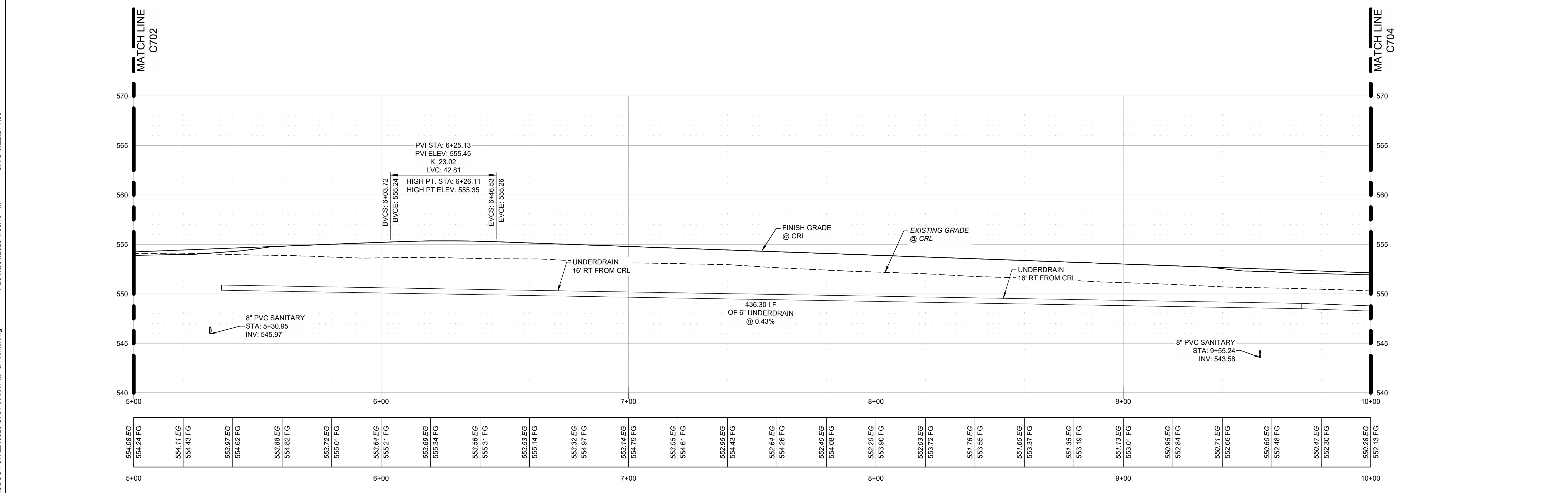
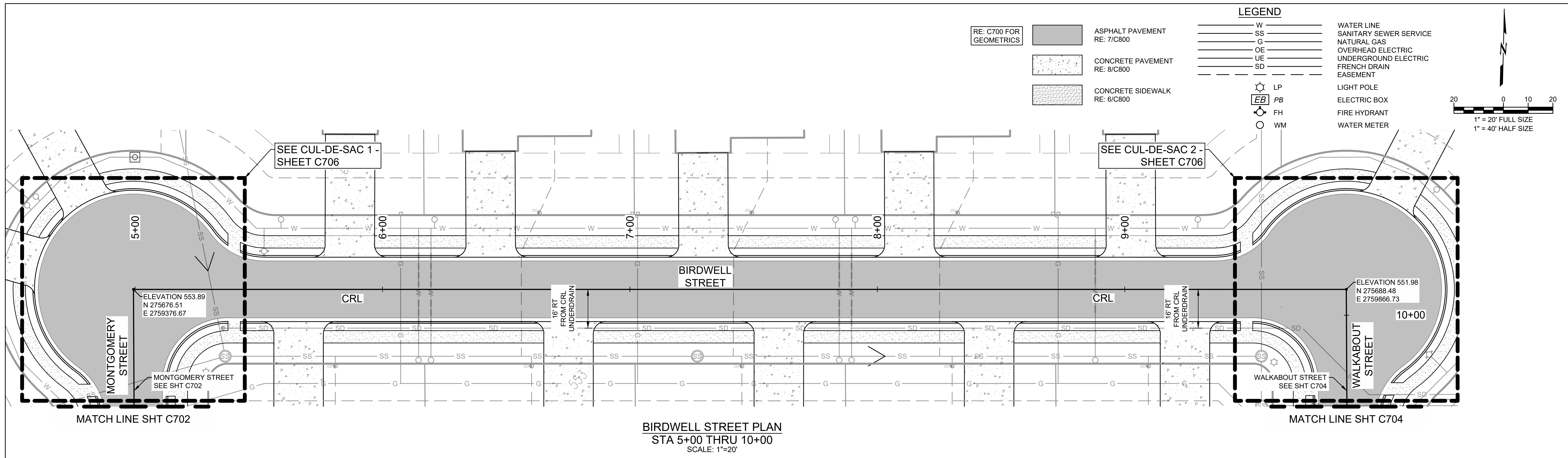
Z:\2240526 CN pre-con Site 2, Muskogee\Dwg\PRODUCTION\2240526 C701 Street Plan & Profile.dwg PLOT:5/31/2023 4:33:16 PM ORIG SIZE:24"x36"

Z:\2240526 CN pre-con Site 2, Muskogee\Dwg\PRODUCTION\2240526 C701 Street Plan & Profile.dwg PLOT:5/31/2023 4:33:16 PM ORIG SIZE:24"x36"

**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: STREET PLAN & PROFILE
 SHEET NO.: C703



811
 Know what's below.
 Call before you dig.

CAUTION
 NOTICE TO CONTRACTOR

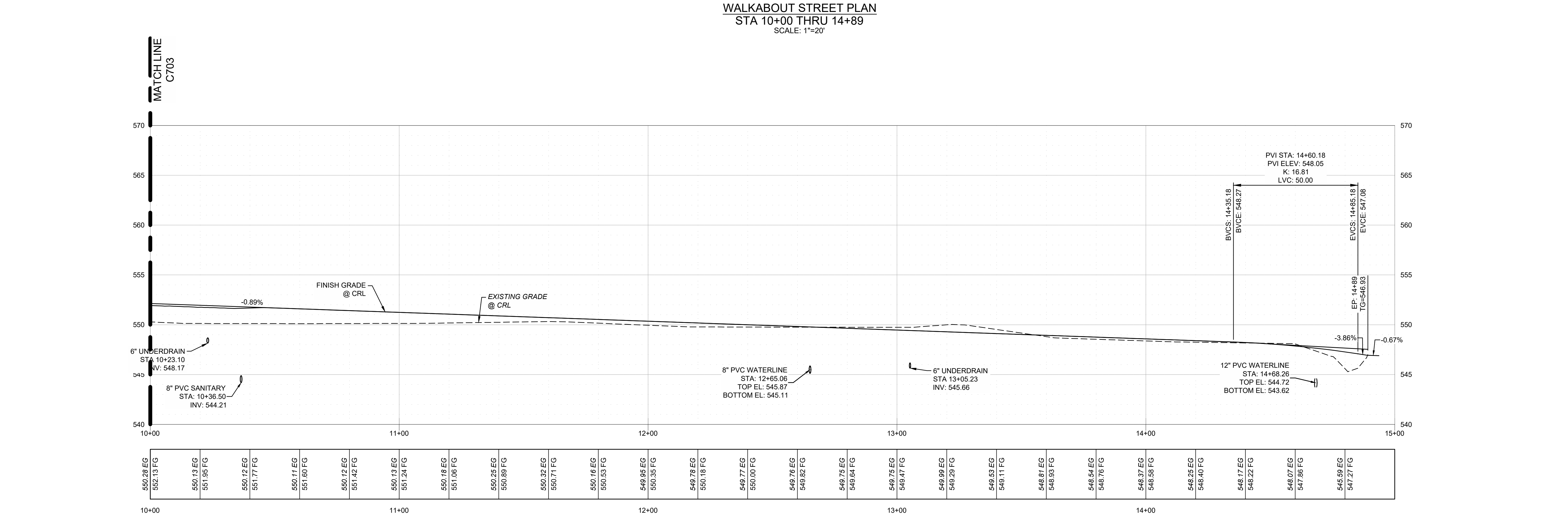
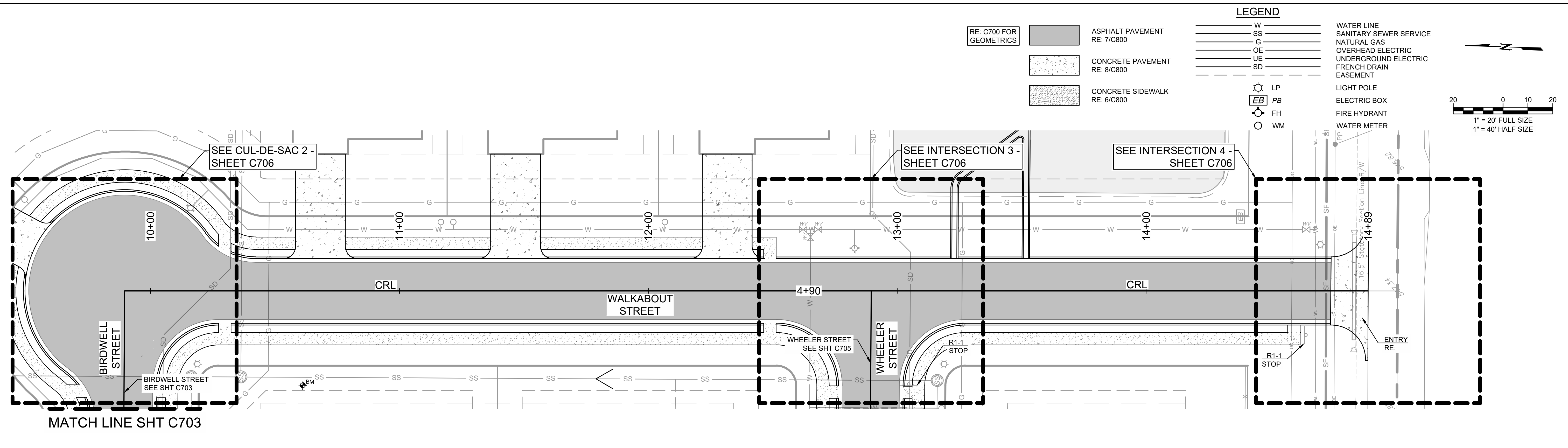
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

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 PLOT: 5/31/2023 4:33:19 PM
 ORIG SIZE: 24"x36"

**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: STREET PLAN & PROFILE
 SHEET NO.: C704



WALKABOUT STREET PROFILE
 STA 10+00 THRU 14+89
 SCALE: 1"=20' HORIZ, 1"=5' VERT.

CAUTION
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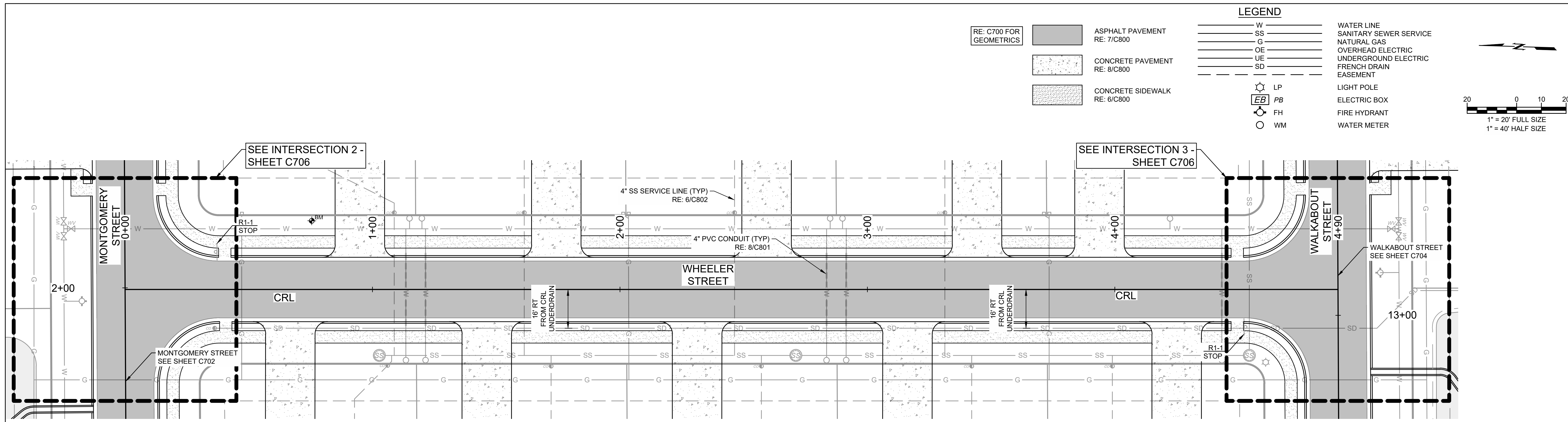
811
 Know what's below.
 Call before you dig.

Z:\2240526 CN pre-con Site 2, Muskogee\Drawings\PRODUCTION\2240526 C701 Street Plan & Profile.dwg PLOT: 5/31/2023 4:33:22 PM ORG SIZE: 24"x36"

**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: STREET PLAN & PROFILE
 SHEET NO.: C705

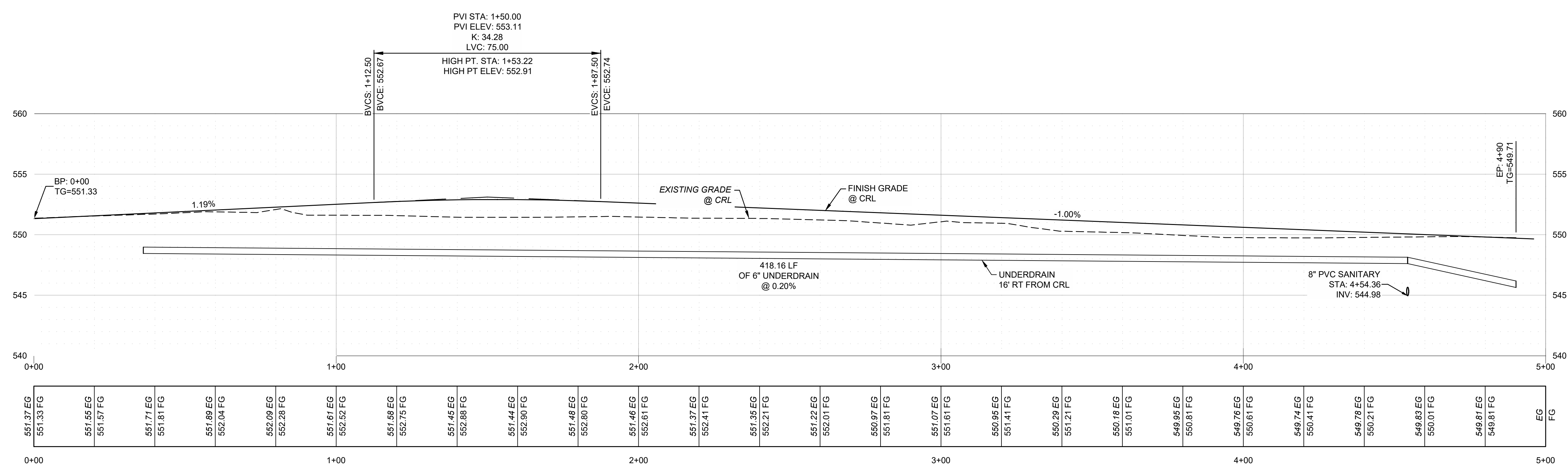


LEGEND

| | | | |
|-------------------------|------------------------------|----|------------------------|
| RE: C700 FOR GEOMETRICS | ASPHALT PAVEMENT RE: 7/C800 | W | WATER LINE |
| | CONCRETE PAVEMENT RE: 8/C800 | SS | SANITARY SEWER SERVICE |
| | CONCRETE SIDEWALK RE: 6/C800 | G | NATURAL GAS |
| | | OE | OVERHEAD ELECTRIC |
| | | UE | UNDERGROUND ELECTRIC |
| | | SD | FRENCH DRAIN |
| | | LP | EASEMENT |
| | | EB | LIGHT POLE |
| | | PB | ELECTRIC BOX |
| | | FH | FIRE HYDRANT |
| | | WM | WATER METER |

Scale: 1" = 20' FULL SIZE, 1" = 40' HALF SIZE

WHEELER STREET PLAN
 STA 100+00 THRU 104+90
 SCALE: 1"=20"



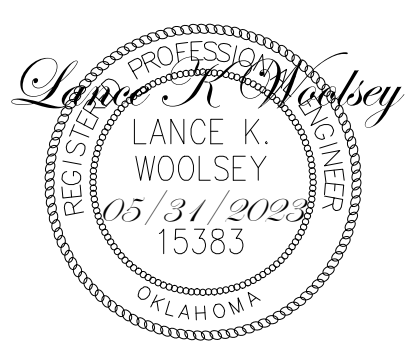
WHEELER STREET PROFILE
 STA 100+00 THRU 104+90
 SCALE: 1"=20' HORIZ. 1" = 5' VERT.



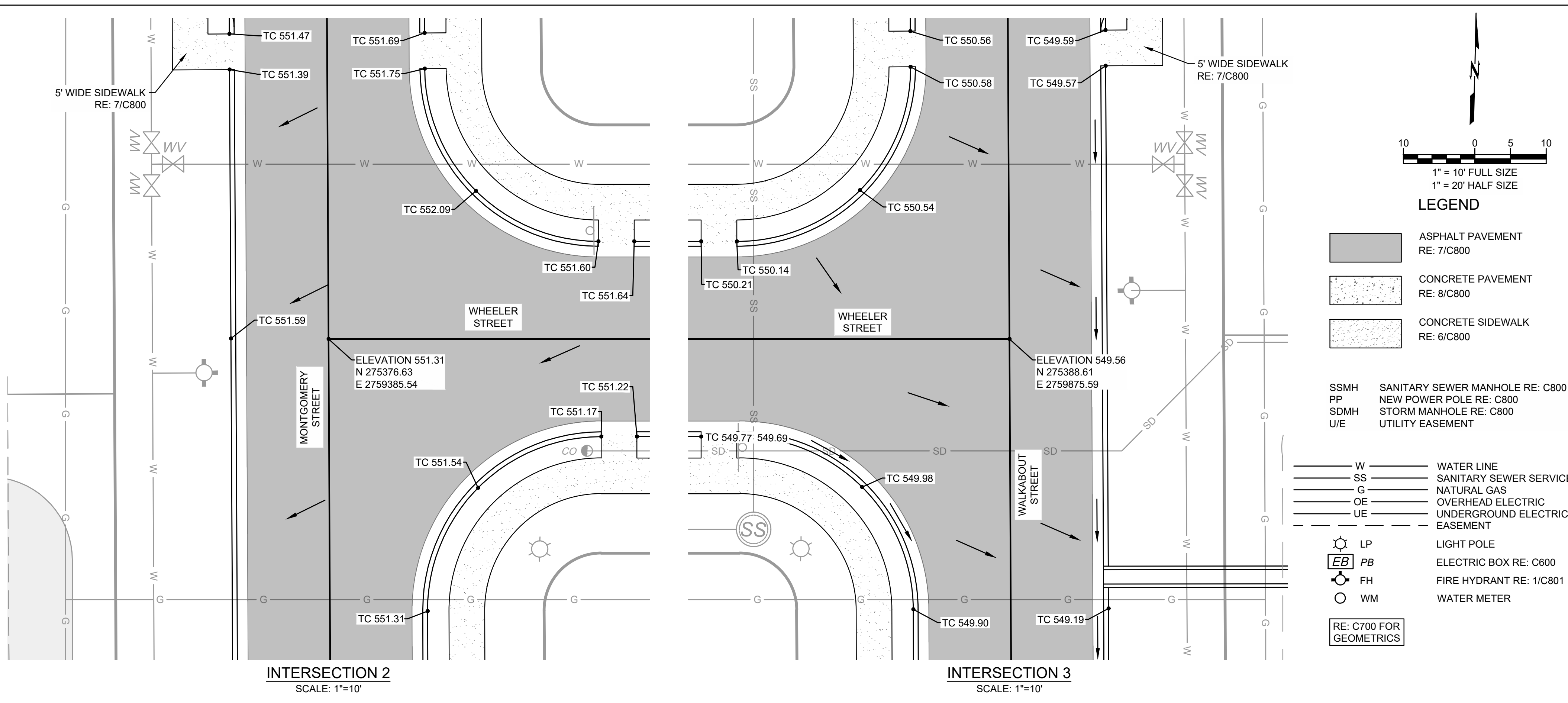
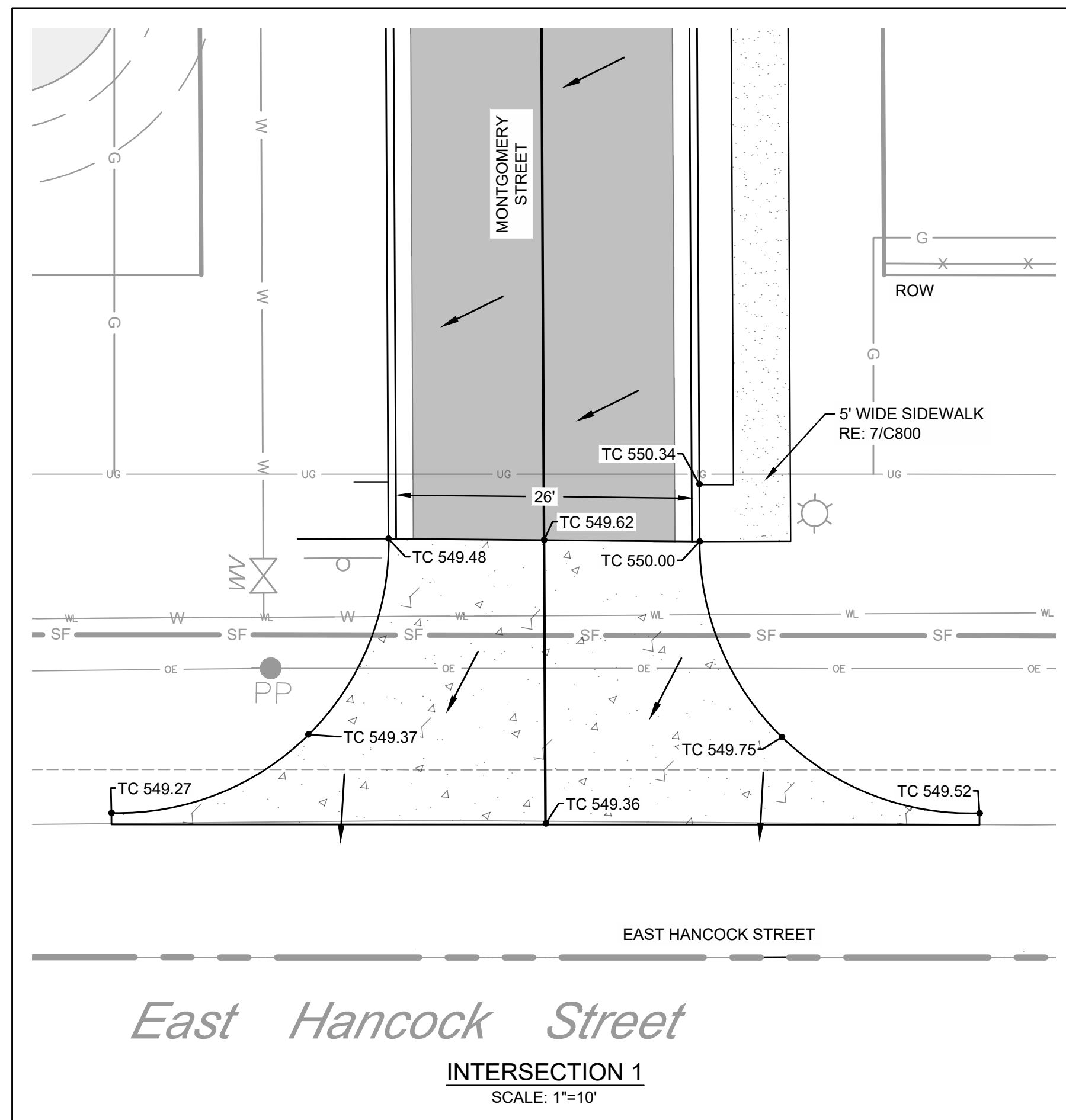
CAUTION
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Z:\2240526 CN pre-con Site 2, Muskogee\Drawings\PRODUCTION\2240526 C701 Street Plan & Profile.dwg PLOT:5/31/2023 4:33:25 PM ORIG SIZE:24"x36"

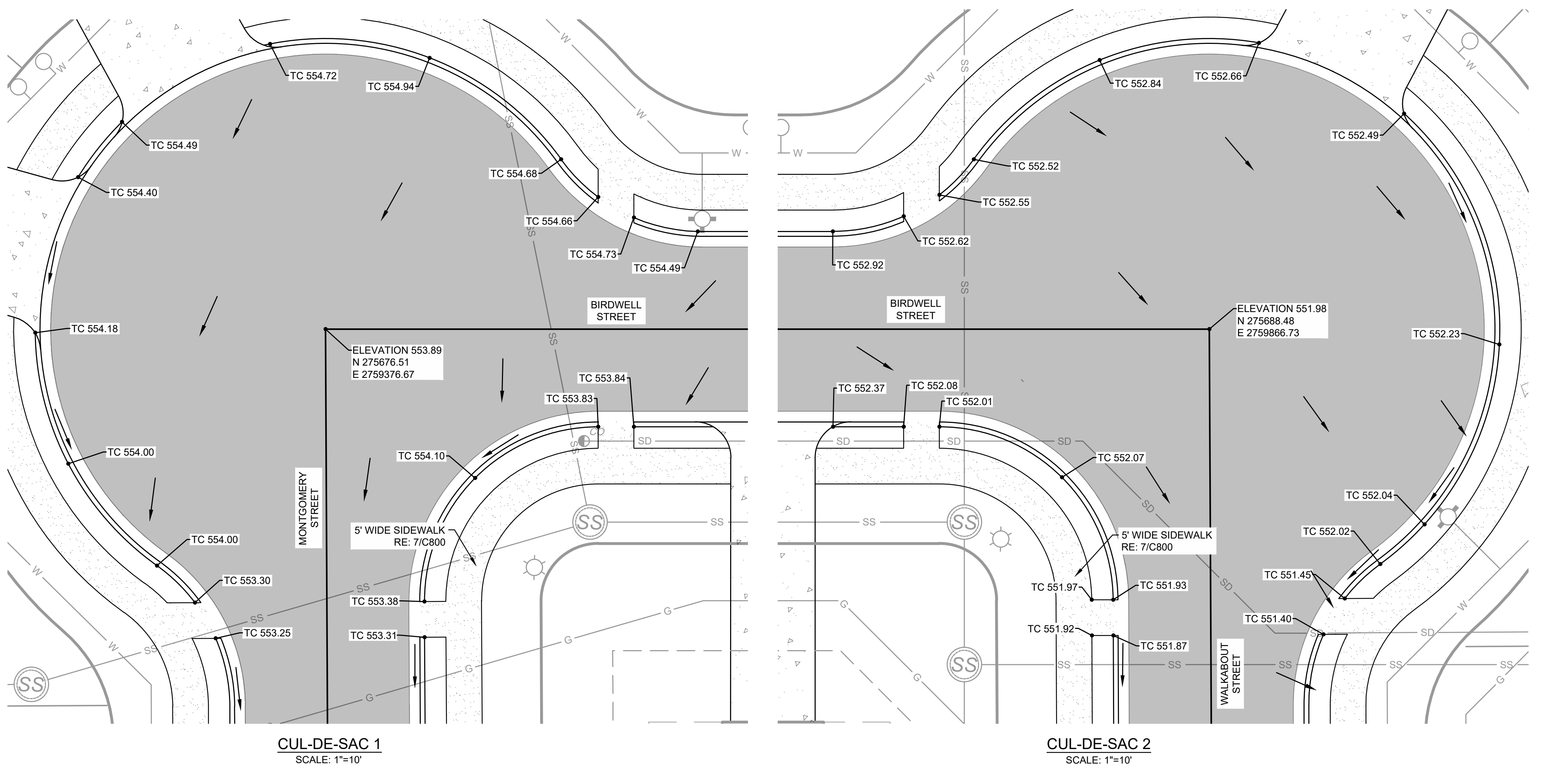
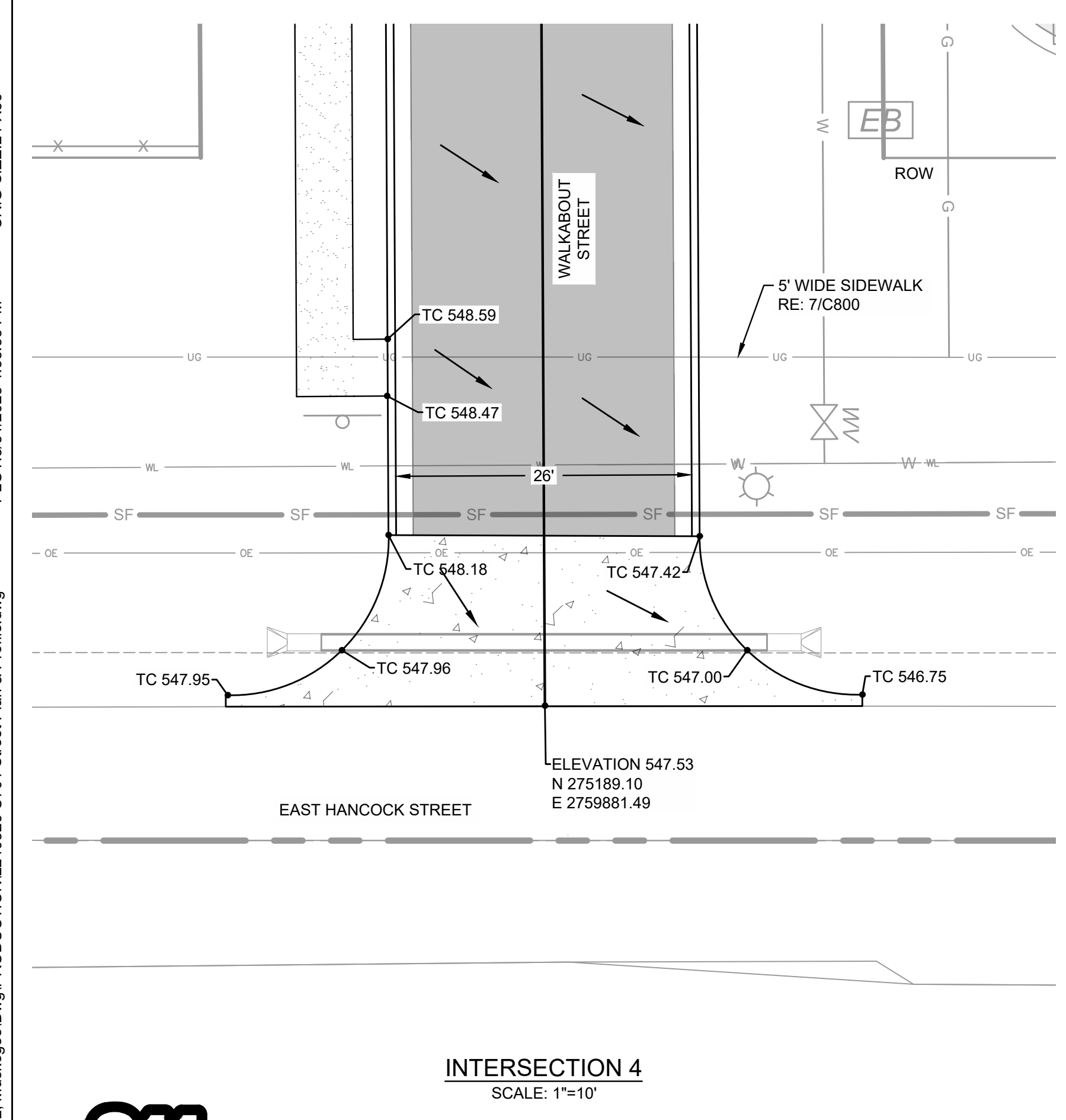


**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA



LEGEND

- ASPHALT PAVEMENT RE: 7/C800
- CONCRETE PAVEMENT RE: 8/C800
- CONCRETE SIDEWALK RE: 6/C800
- SSMH SANITARY SEWER MANHOLE RE: C800
- NP NEW POWER POLE RE: C800
- SDMh STORM MANHOLE RE: C800
- U/E UTILITY EASEMENT
- W WATER LINE
- SS SANITARY SEWER SERVICE
- G NATURAL GAS
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC EASEMENT
- LP LIGHT POLE
- EB ELECTRIC BOX RE: C600
- FH FIRE HYDRANT RE: 1/C801
- WM WATER METER
- RE: C700 FOR GEOMETRICS



811
 Know what's below.
 Call before you dig.

**CAUTION
 NOTICE TO CONTRACTOR**

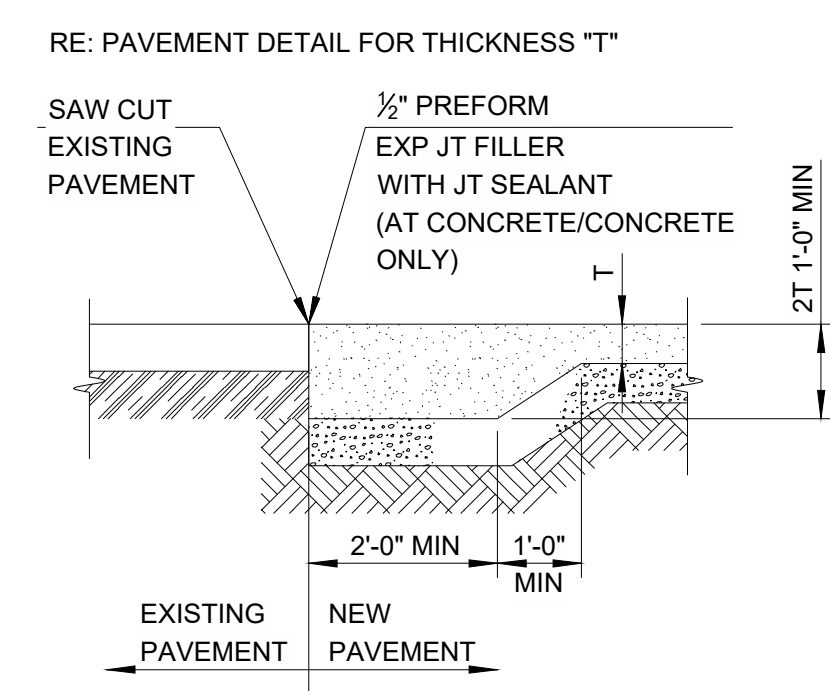
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 03/24/23 |
| 2 | 100% SET | 05/12/23 |

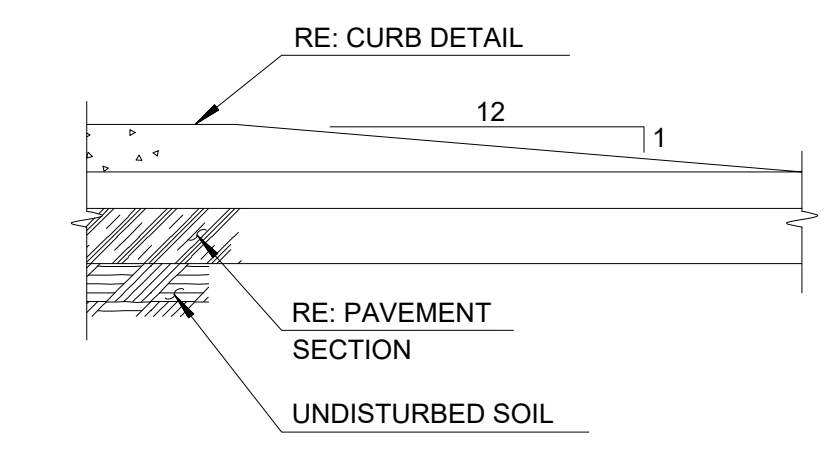
DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: INTERSECTION DETAILS
 SHEET NO.: C706

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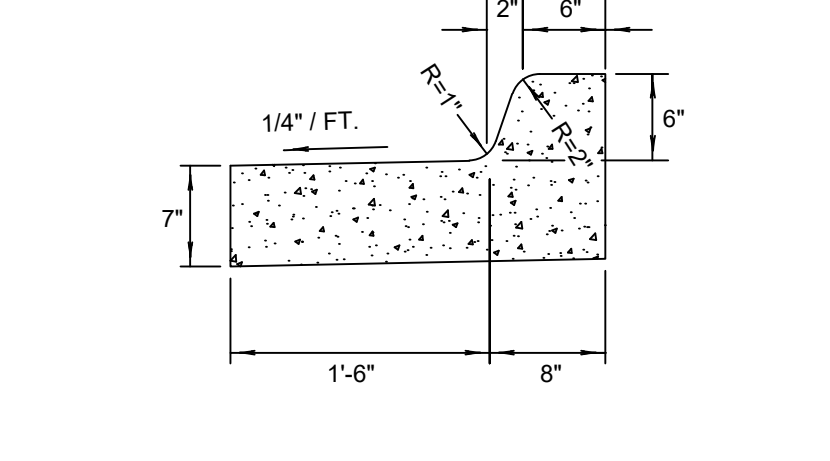
**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA



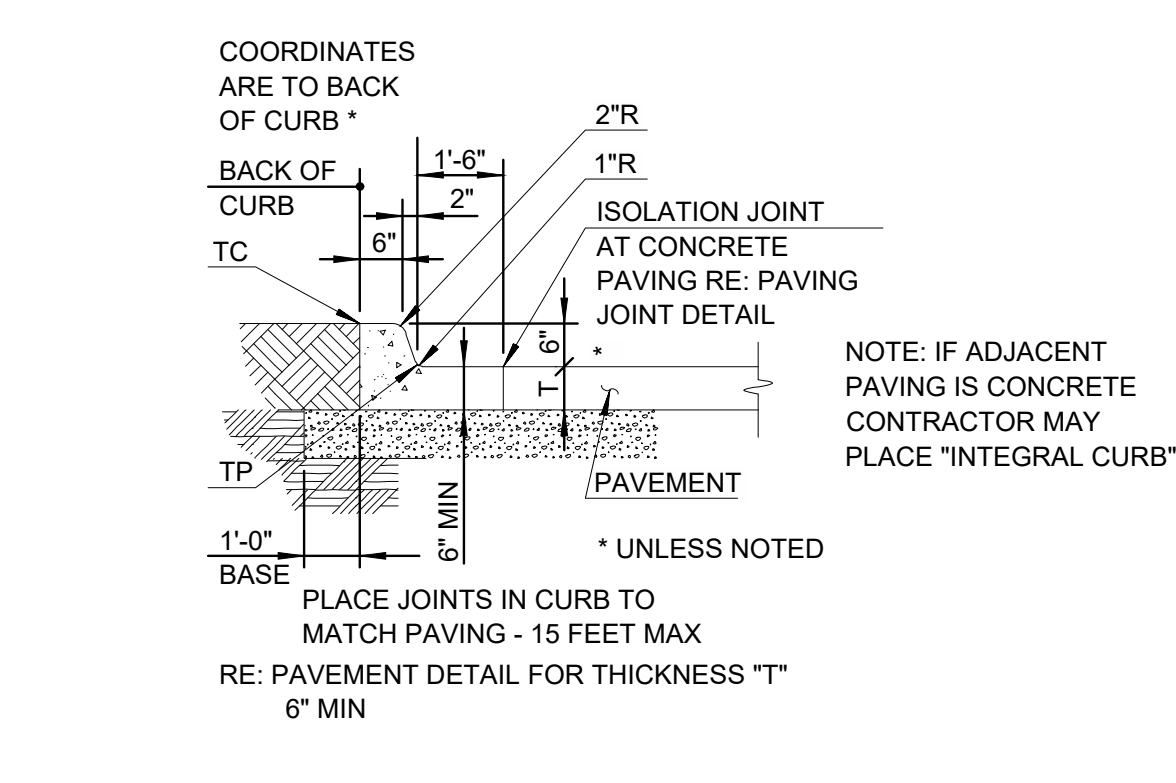
1 PAVEMENT TRANSITION
 SCALE: NTS



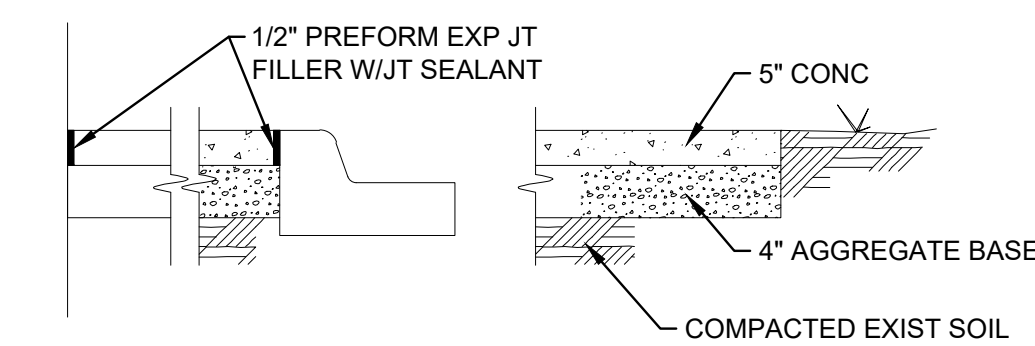
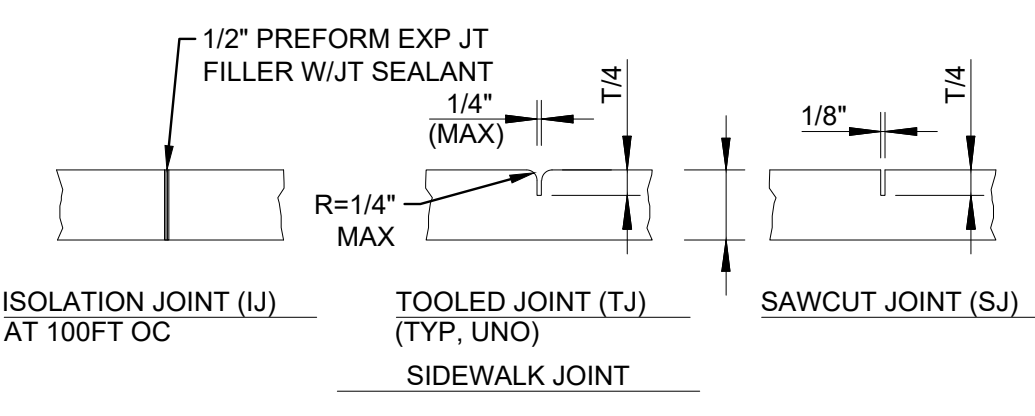
2 CURB TERMINATION
 SCALE: NTS



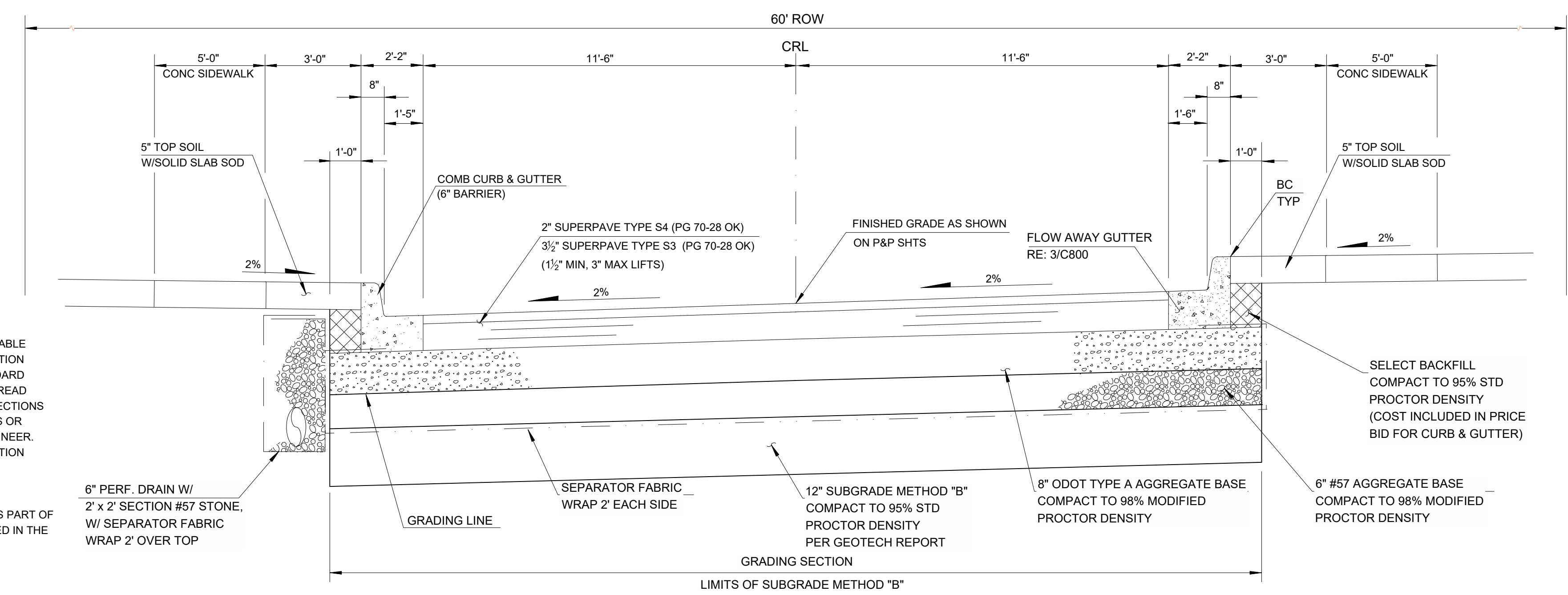
3 6" BARRIER CURB & GUTTER (FLOW AWAY)
 SCALE: 1"=1'



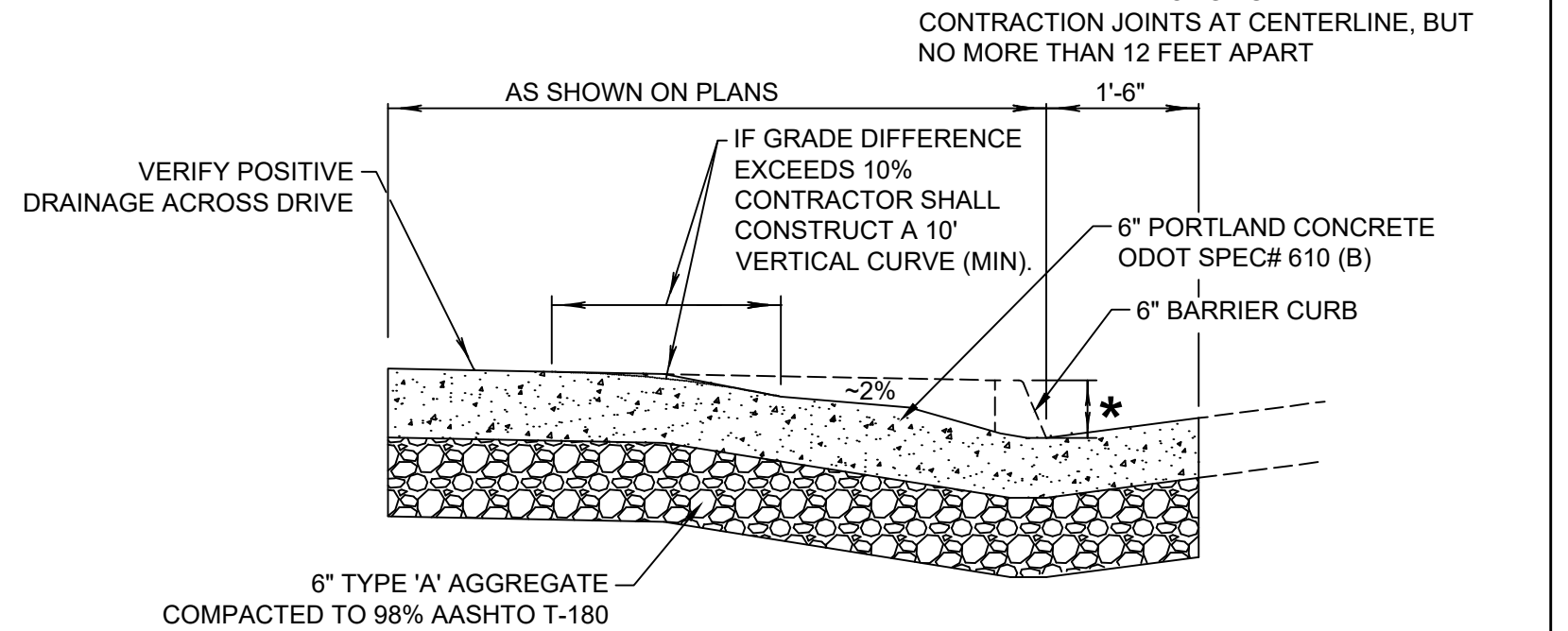
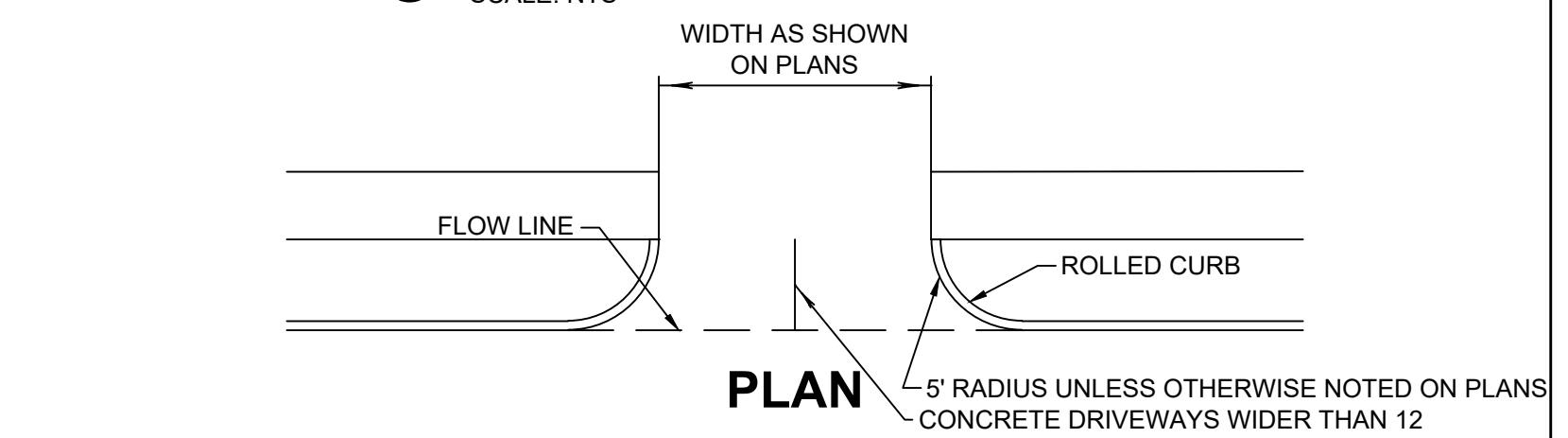
4 CURB AND GUTTER
 SCALE: NTS



6 SIDEWALK
 SCALE: NTS



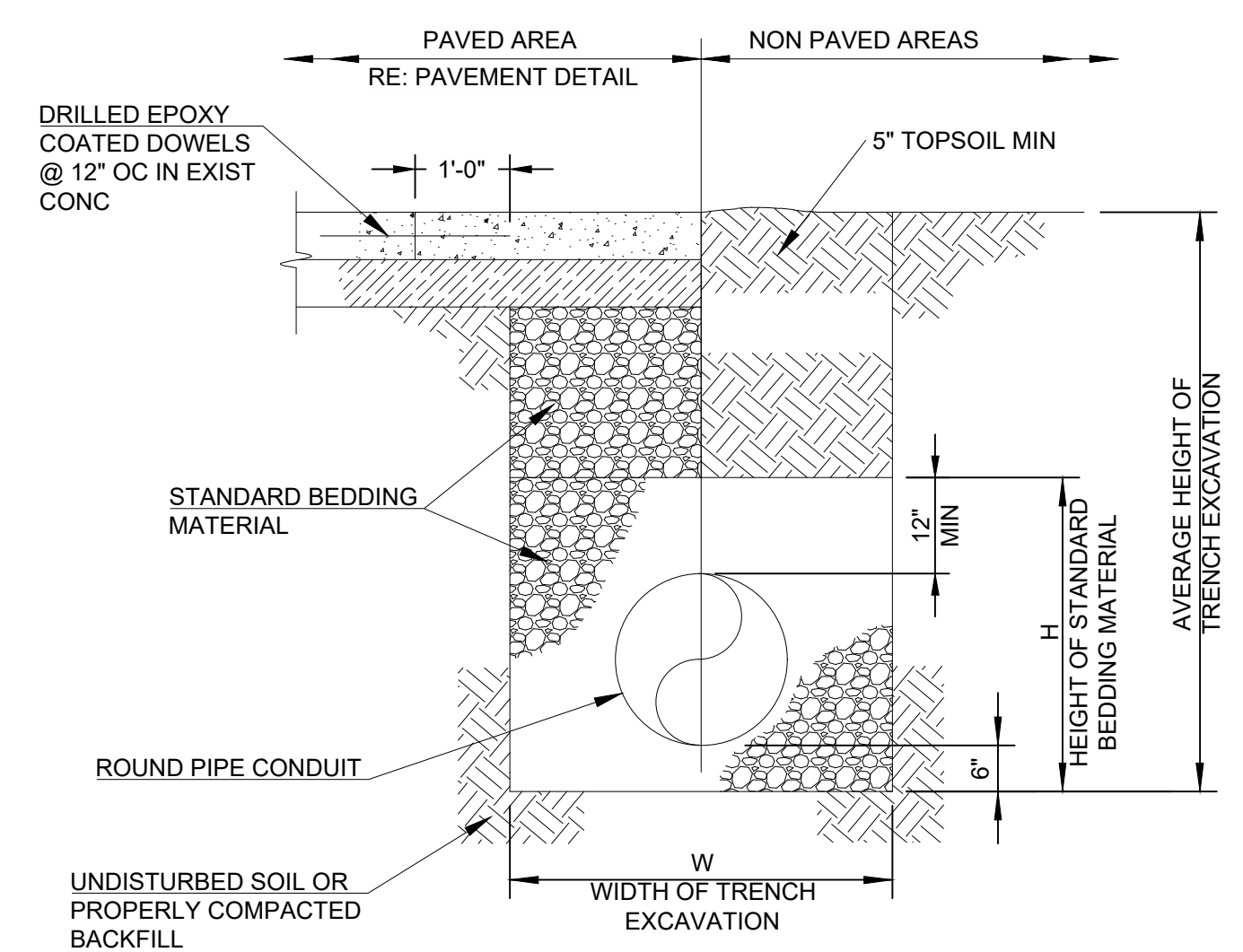
7 TYPICAL SECTION - RESIDENTIAL ROADWAY
 SCALE: NTS



8 CONCRETE DRIVEWAY DETAIL
 SCALE: NONE

TOPSOIL NOTE:
 THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE, AND REPLACE IT ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATION. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS AS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATION SHALL BE INCLUDED IN THE PAY ITEM FOR "URBAN RIGHT-OF-WAY RESTORATION", LUMP SUM.

BACKFILL NOTE:
 THIS AREA TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. COST TO BE INCLUDED IN THE PAY ITEM FOR "SELECT BORROW".



TRENCH NOTE:
 BRACING AND SHEATHING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND OSHA SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE RESPONSIBILITY OF THE CONTRACTOR.

BEDDING NOTE:
 STANDARD BEDDING MUST BE ODOT TYPE "A" AGGREGATE BASE. UNDER PAVING ODOT TYPE "A" AGGREGATE BASE MUST BE TO THE TOP OF THE TRENCH. ODOT TYPE "A" AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.

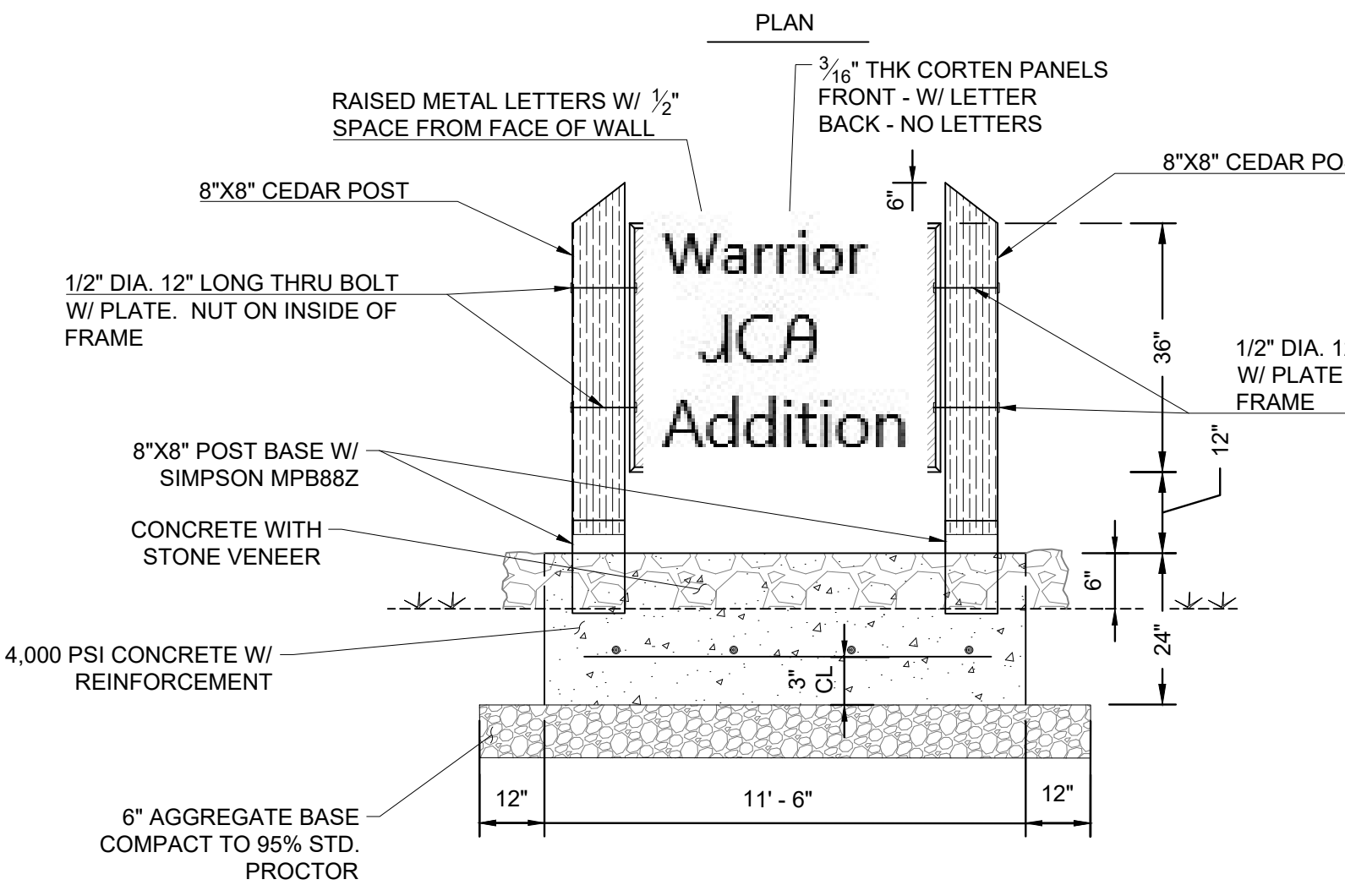
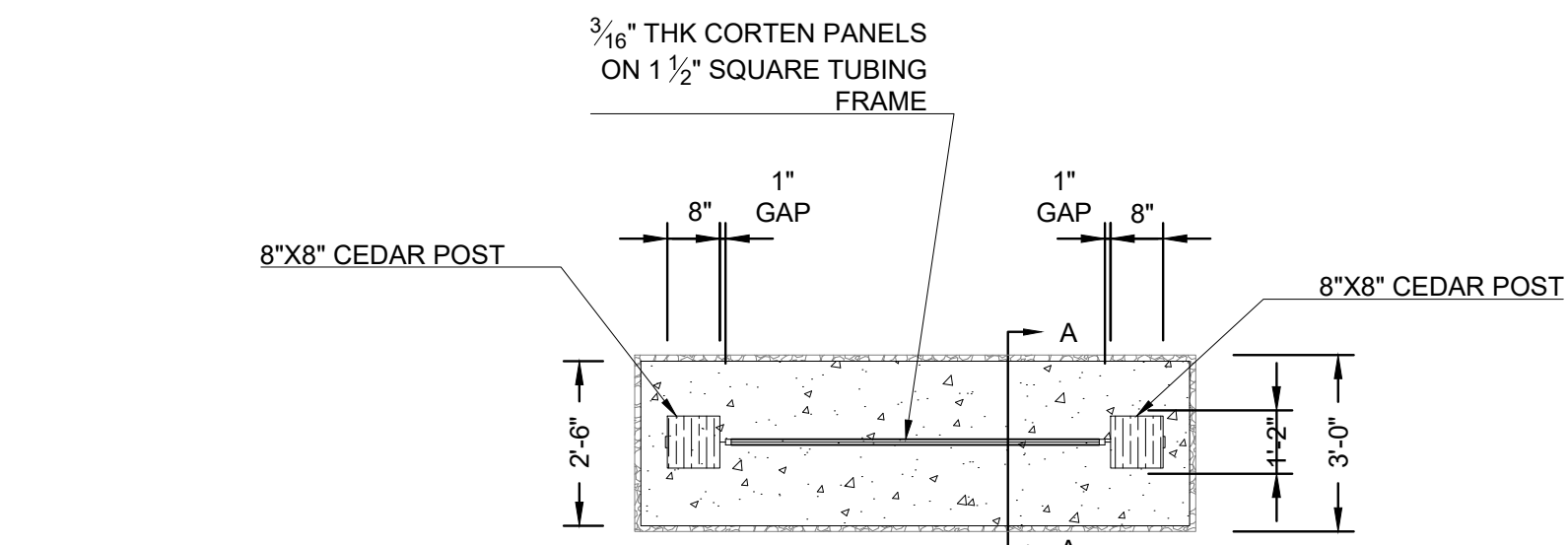
| PIPE SIZE, IN. | TRENCH WIDTH, FT. |
|----------------|-------------------|
| ID < 24" | OD + 2' |
| 24" > ID < 36" | OD + 2.5' |
| 36" > ID < 60" | OD + 3.5' |
| ID > 60" | OD + 4' |

9 STANDARD PIPE BEDDING DETAIL FOR STORM SEWER
 SCALE: NTS

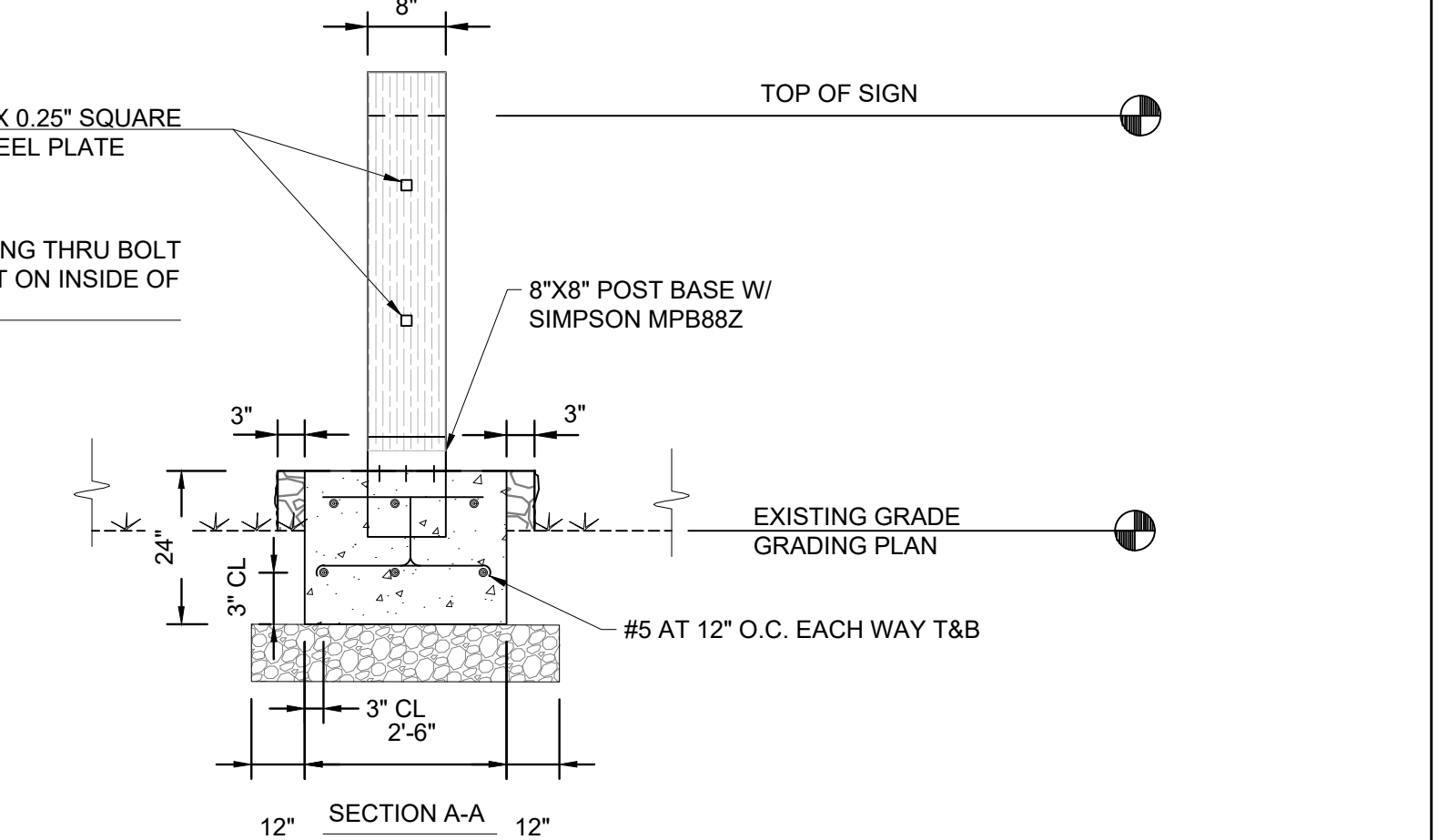
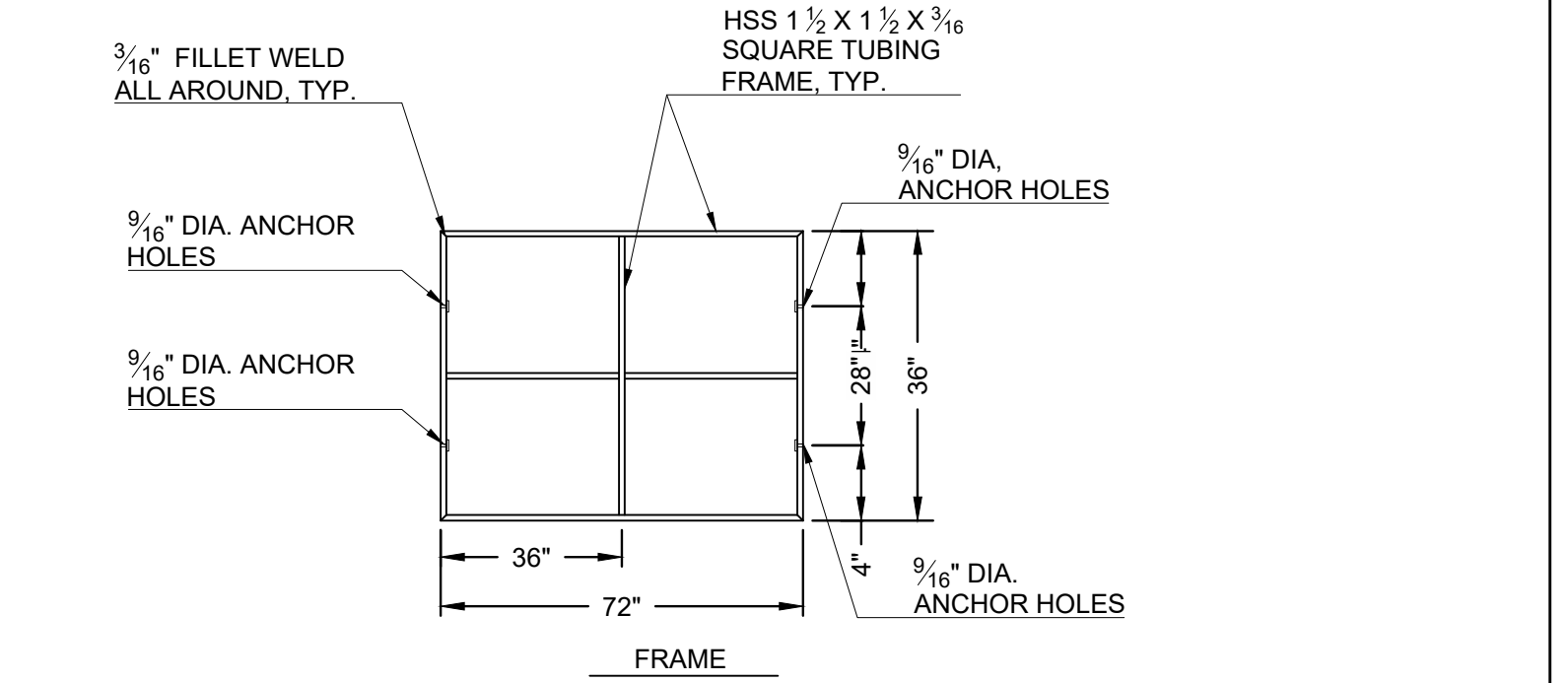


**CAUTION
 NOTICE TO CONTRACTOR**

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10 MONUMENT SIGN
 SCALE: NTS



10 MONUMENT SIGN
 SCALE: NTS

| DATE | DESCRIPTION |
|----------|-------------|
| 03/24/23 | 50% SET |
| 05/17/23 | 100% SET |

| REV | DATE | DESCRIPTION |
|-----|----------|-------------|
| 1 | 05/12/23 | 50% SET |
| 2 | 05/12/23 | 100% SET |

DATE: 05/12/23
 PROJECT NO.: 2240526
 SHEET NAME: DETAILS
 SHEET NO.: C800

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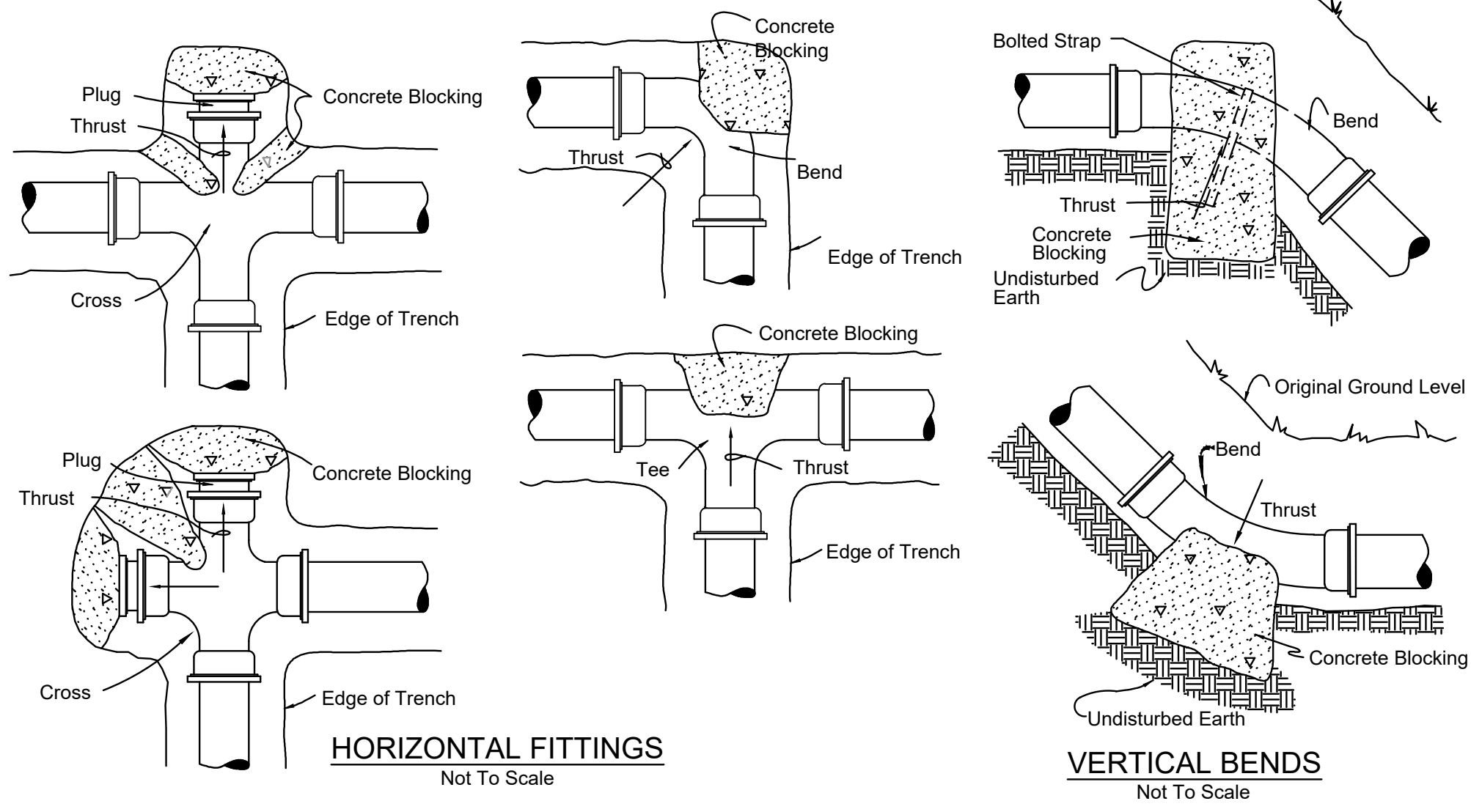
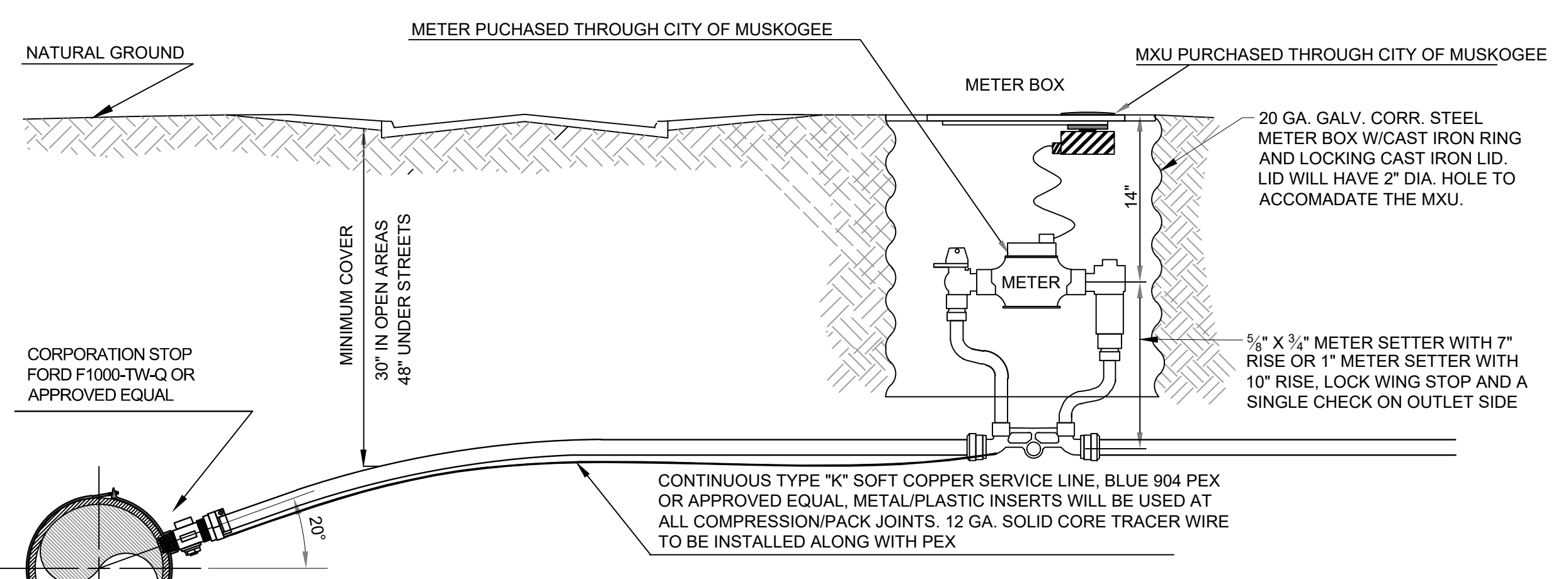
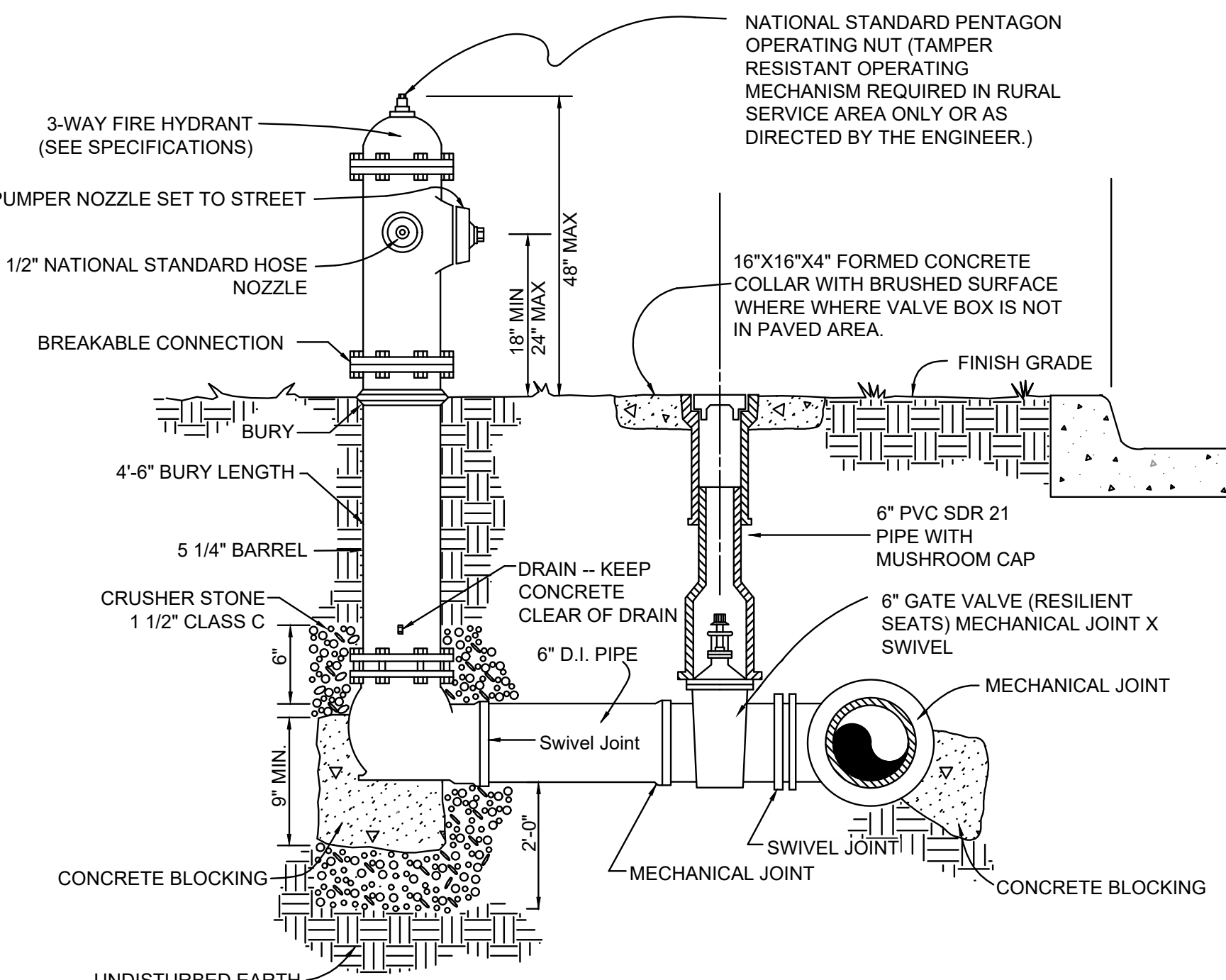
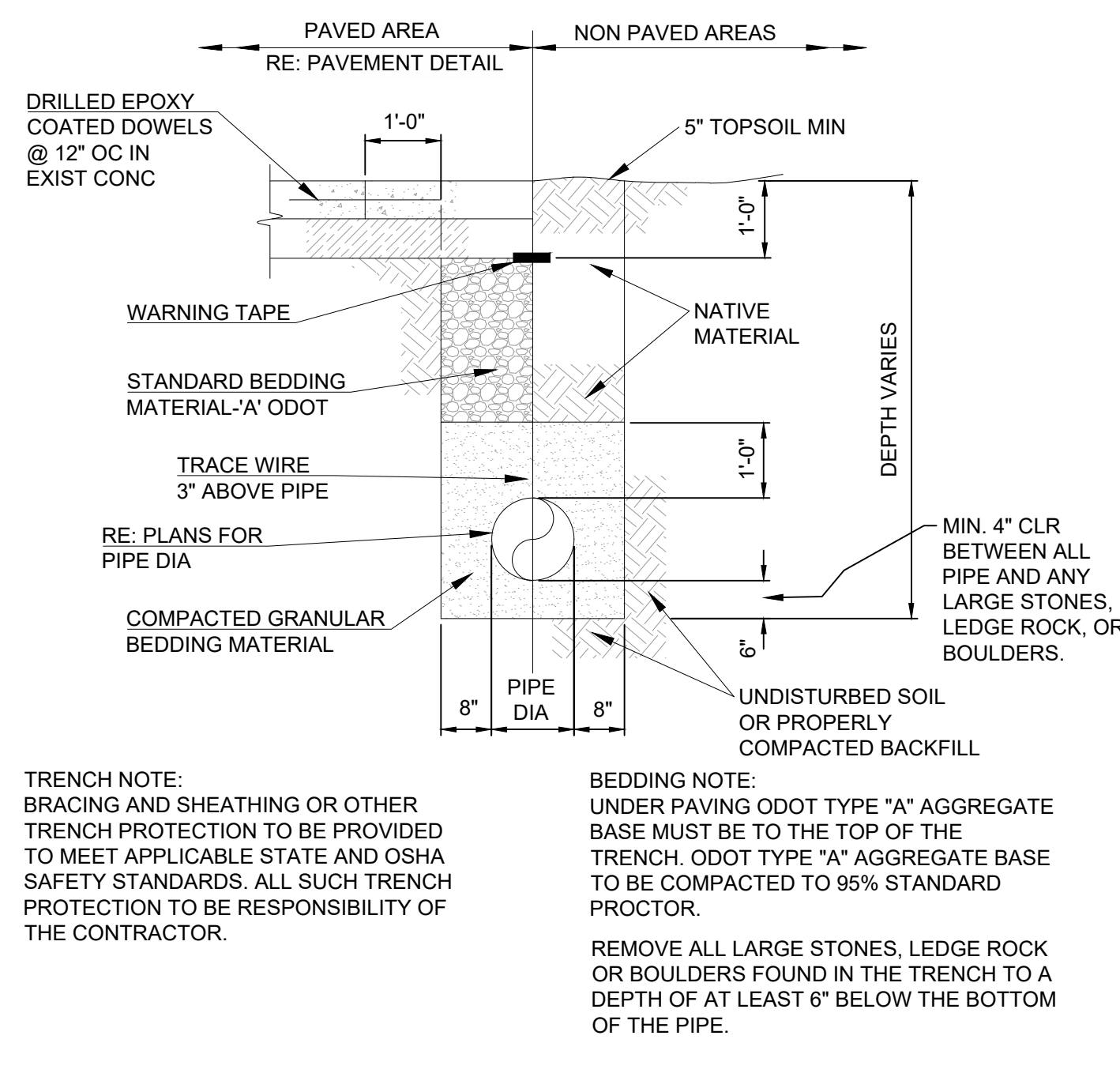
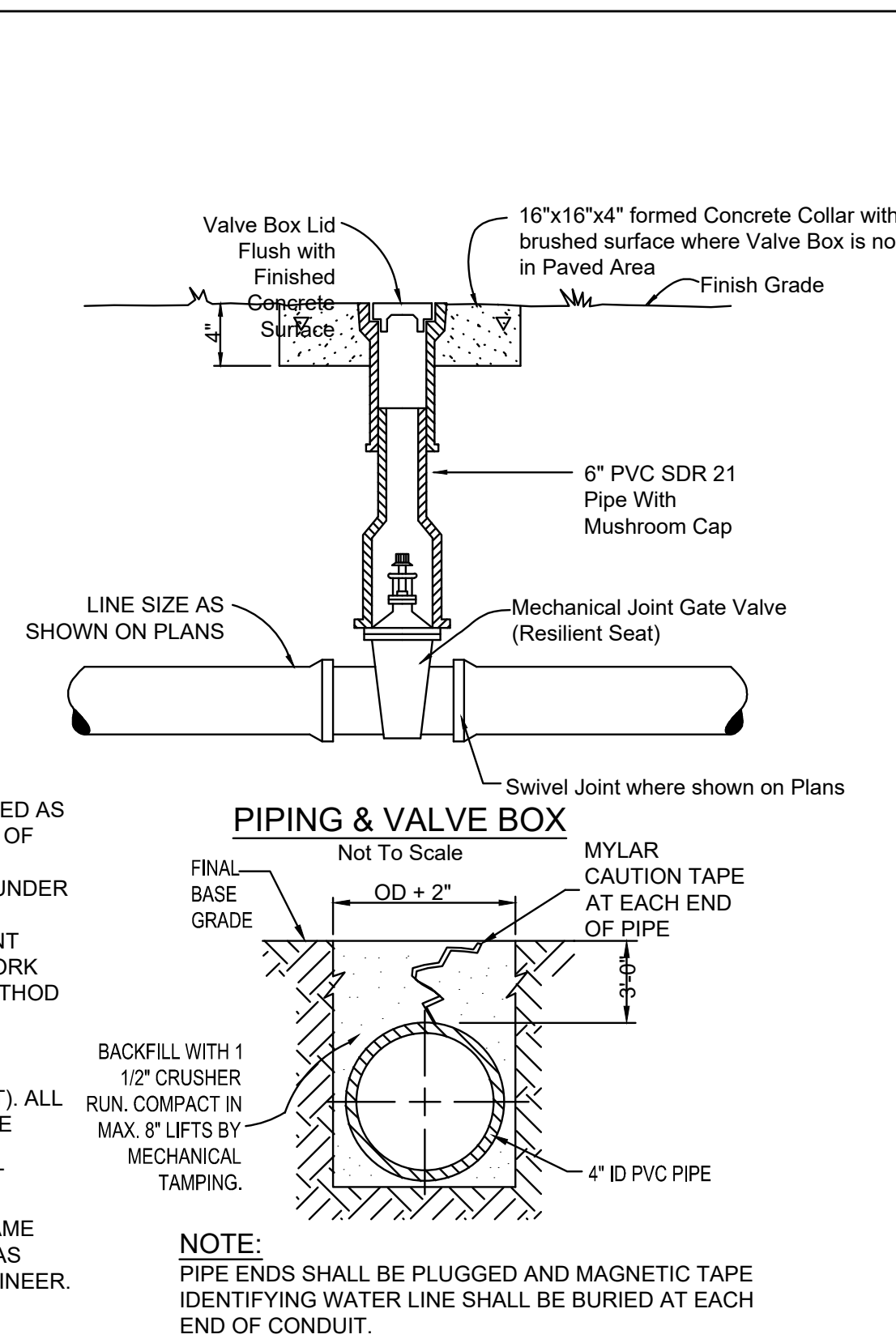
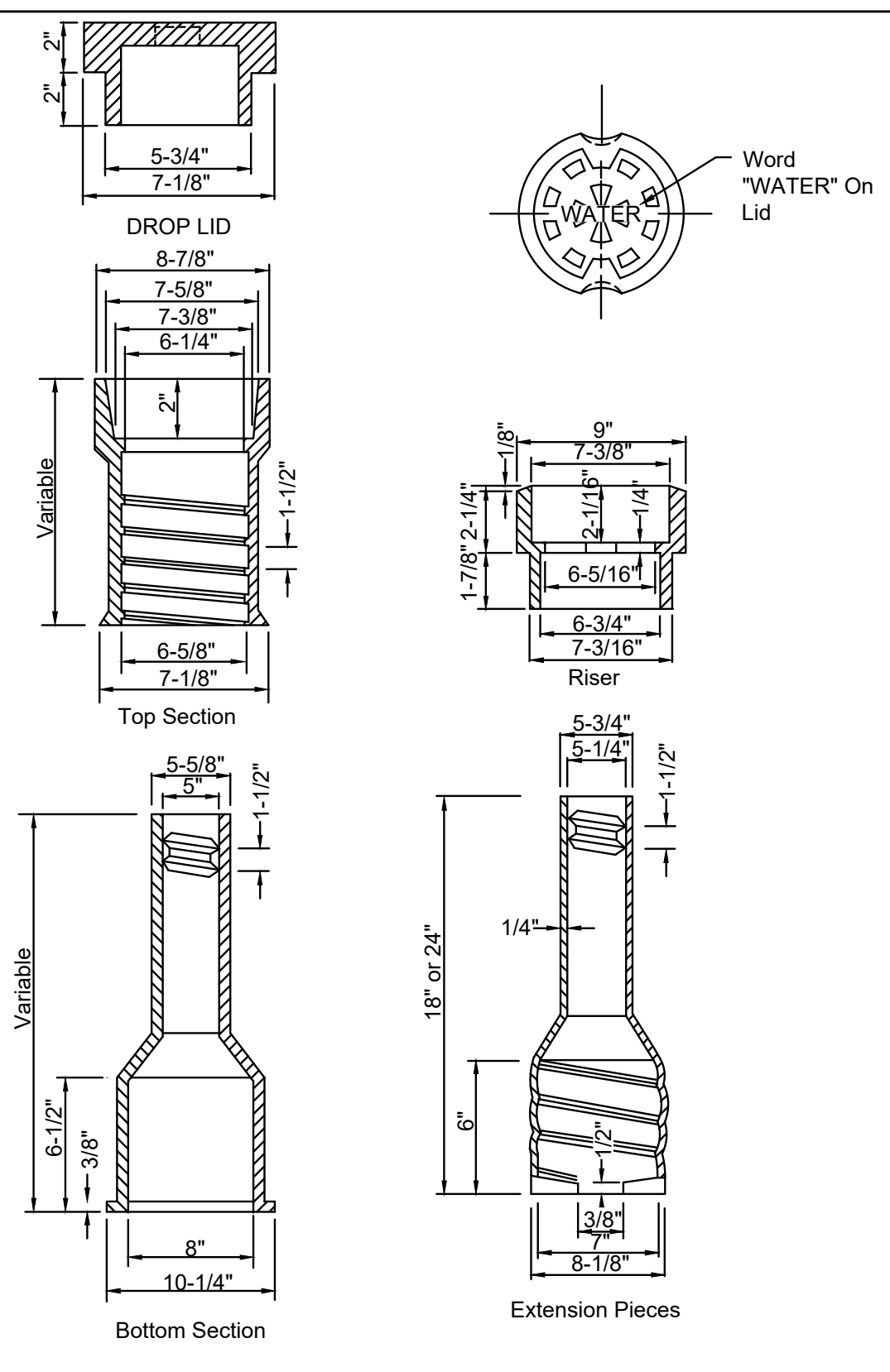
**WARRIOR ADDITION
CHEROKEE NATION**
MUSKOGEE, OKLAHOMA

| DATE | 03/24/23 | 05/17/23 |
|------|----------|----------|
|------|----------|----------|

| DESCRIPTION | 1 50% SET | 2 100% SET |
|-------------|-----------|------------|
|-------------|-----------|------------|

| DATE | 05/12/23 |
|-------------|-----------------|
| PROJECT NO. | 2240526 |
| SHEET NAME | UTILITY DETAILS |

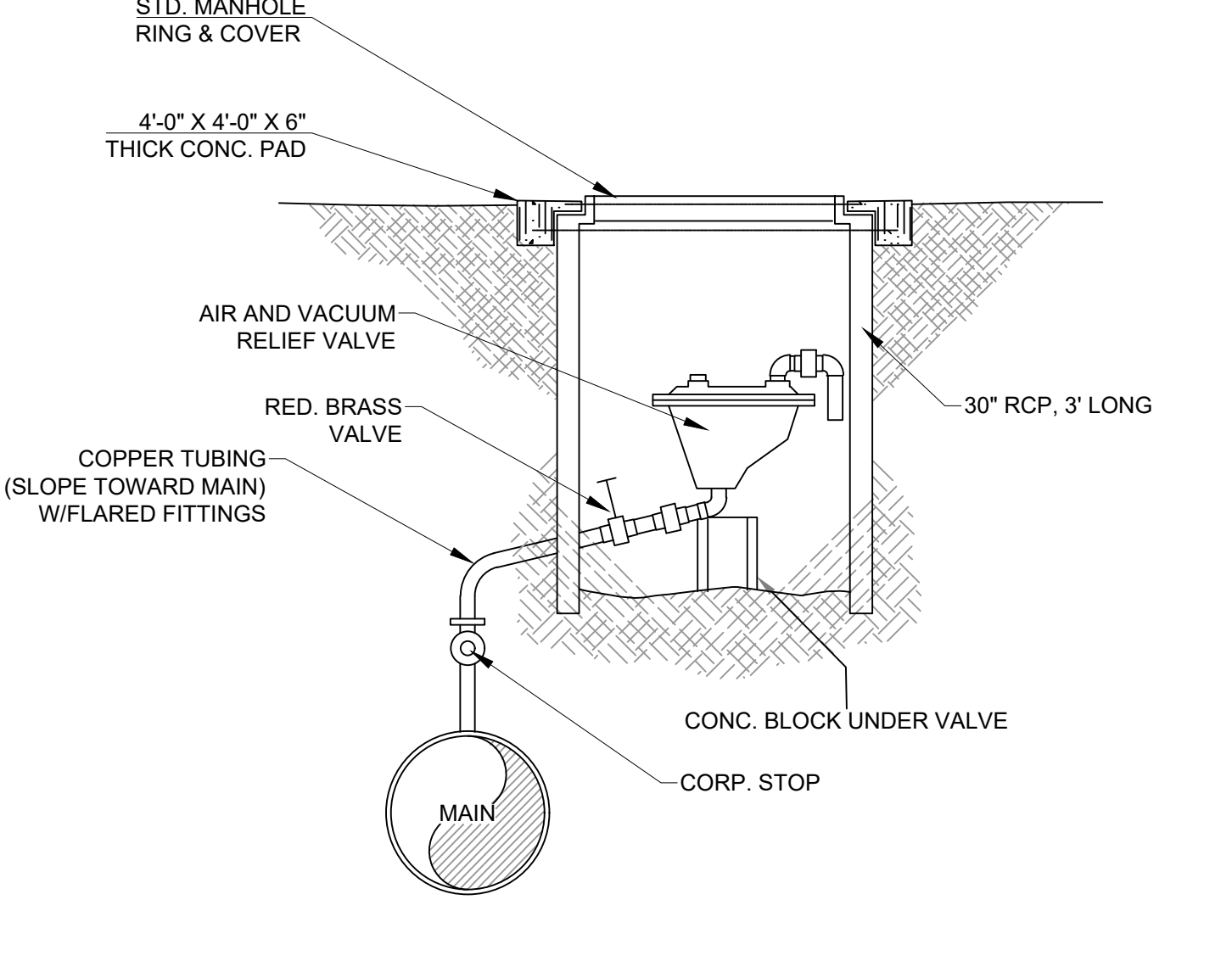
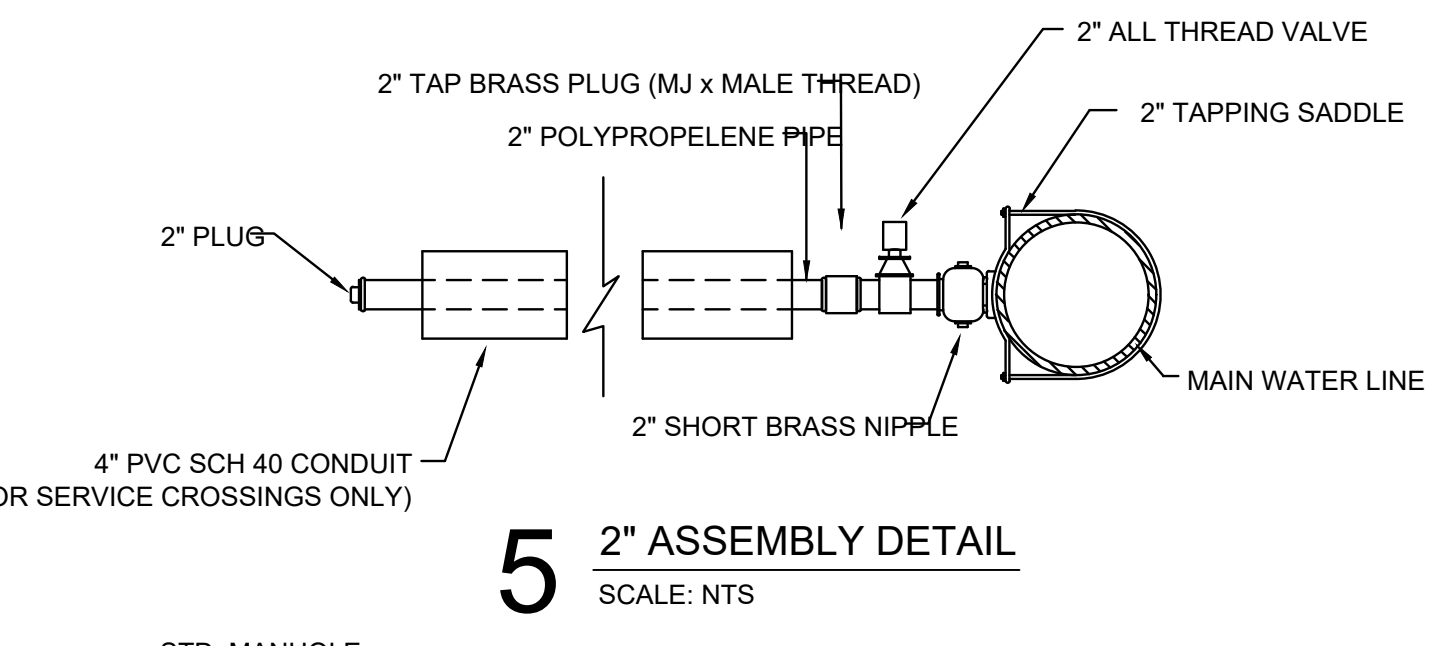
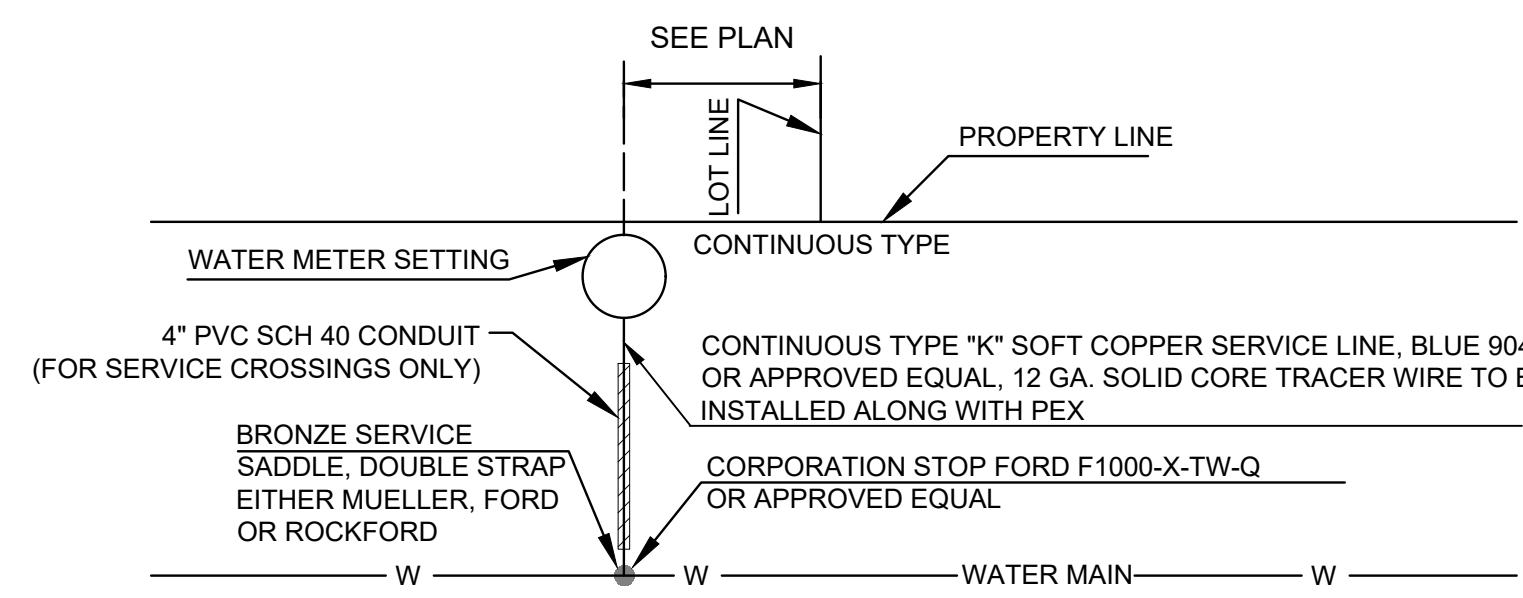
| SHEET NO. | C801 |
|-----------|------|
|-----------|------|



| Pipe Size | 90 Bend | | 45 Bend | | 22.5 Bend | | Plug/Tee | |
|-----------|---------|------|---------|------|-----------|------|----------|------|
| | SF | CF | SF | CF | SF | CF | SF | CF |
| 2.0 | 0.47 | 0.50 | 0.25 | 0.50 | 0.13 | 0.50 | 0.66 | 0.50 |
| 4.0 | 1.87 | 0.99 | 1.01 | 0.54 | 0.51 | 0.50 | 2.64 | 1.40 |
| 6.0 | 4.20 | 1.98 | 2.27 | 1.07 | 1.16 | 0.55 | 5.94 | 2.80 |
| 8.0 | 7.46 | 4.48 | 4.04 | 2.43 | 2.06 | 1.24 | 10.56 | 6.34 |

TABLE IS BASED ON 210PSI INTERNAL PRESSURE AND 1000PSF ALLOWABLE SOIL BEARING PRESSURE. VALUES ARE APPROXIMATE AND ARE THE MINIMUMS ALLOWED. THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.

- THRUST BLOCK NOTES:**
- USE 3,000PSI CONCRETE FOR ALL BLOCKING.
 - ALL BEARING AREAS SHALL BE ON UNDISTURBED EARTH.
 - BLOCKING SHALL BE PLACED SO THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIR.
 - USE THRUST BLOCKS FOR CHANGES IN DIRECTION OF 1 1/4" OR GREATER (I.E. TEES, BENDS, AND CROSSES) CHANGES IN SIZE (I.E. REDUCERS), STOPS (I.E. PLUGS), VALVES AND HYDRANTS WHERE THRUST DEVELOPS WHEN CLOSED. RESTRAINED JOINT SYSTEMS (MEGALUGS), AS WELL AS THRUST BLOCKING, SHALL BE INSTALLED ON ALL VERTICAL BENDS.



| PIPE SIZE | AIR AND VACUUM VALVE SIZE | TYPE |
|-----------|---------------------------|--------------------|
| 6" TO 12" | 1" | APCO 143C OR EQUAL |

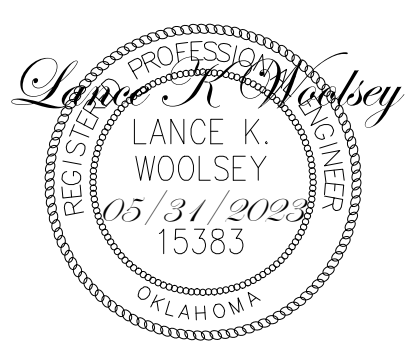
811
Know what's below.
Call before you dig.

6 AIR RELIEF VALVE DETAIL
SCALE: NTS

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ORIG SIZE 24" X 36" PLOT: 5/31/2023 4:33:39 PM \\civl-server\Projects\2240526 CN pre-con Site 2, Muskogee\DWG\PRODUCTION\2240526 C800 Details.dwg



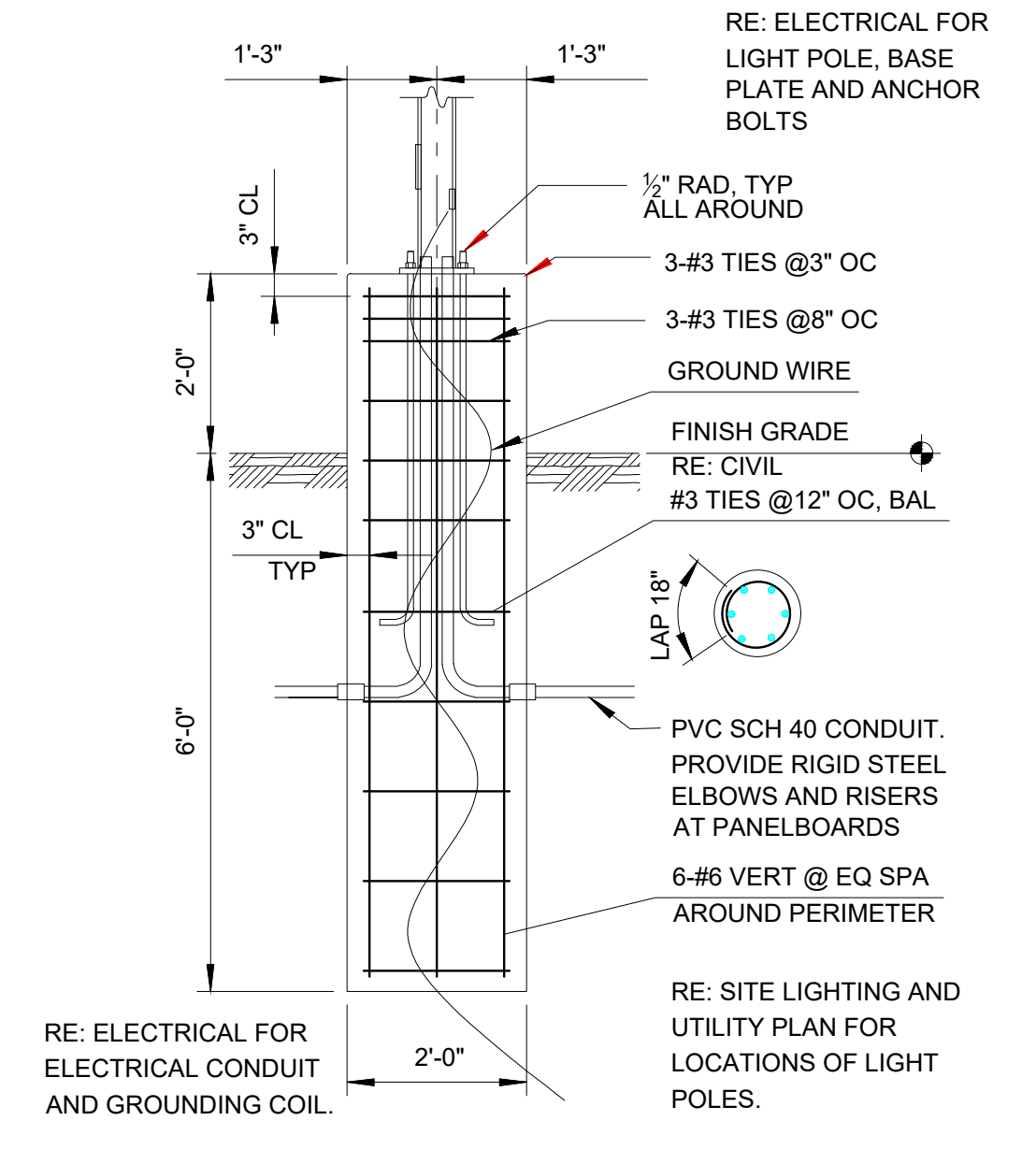
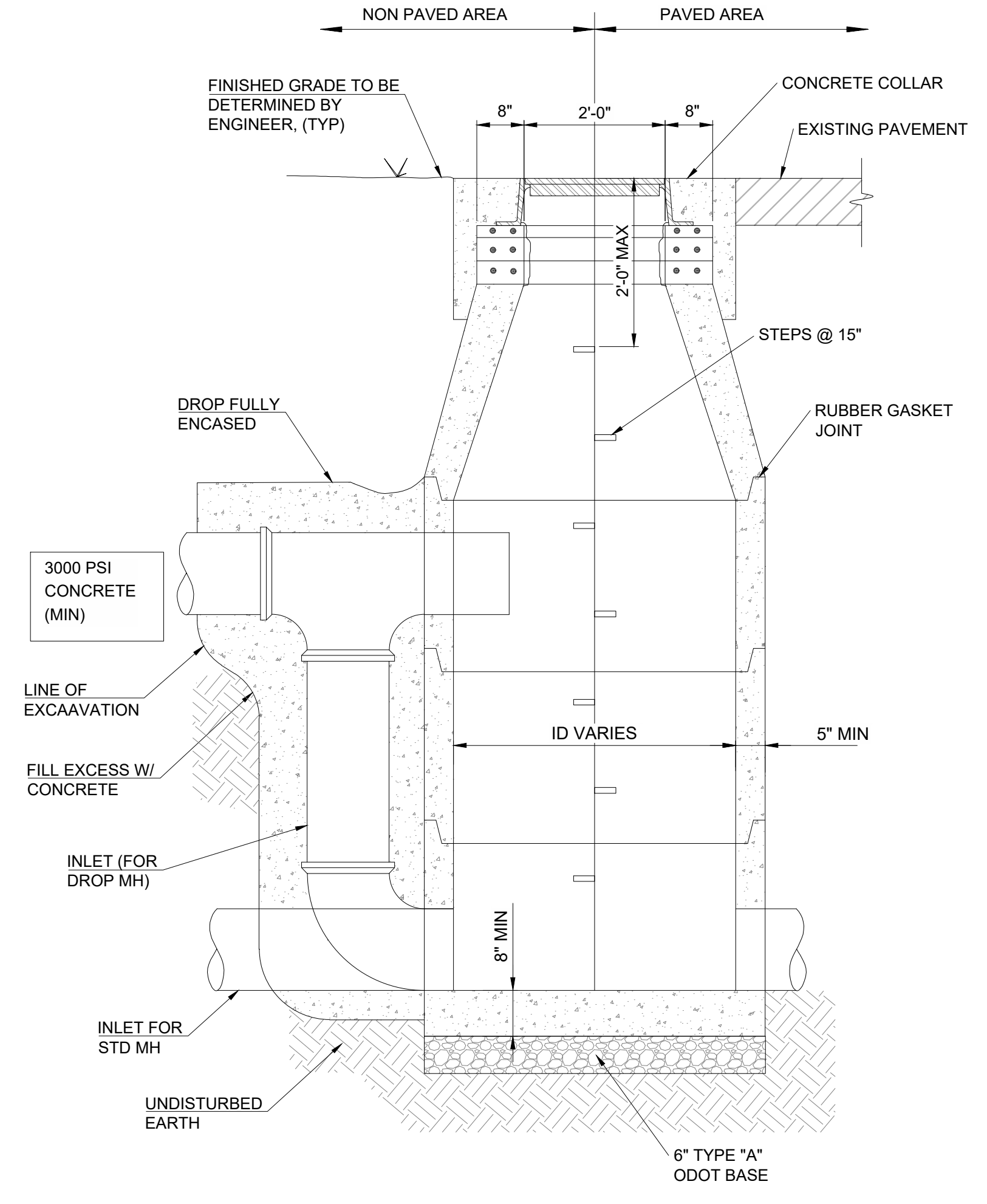
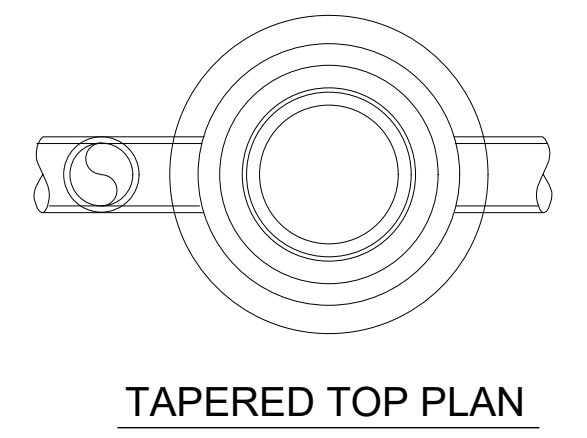
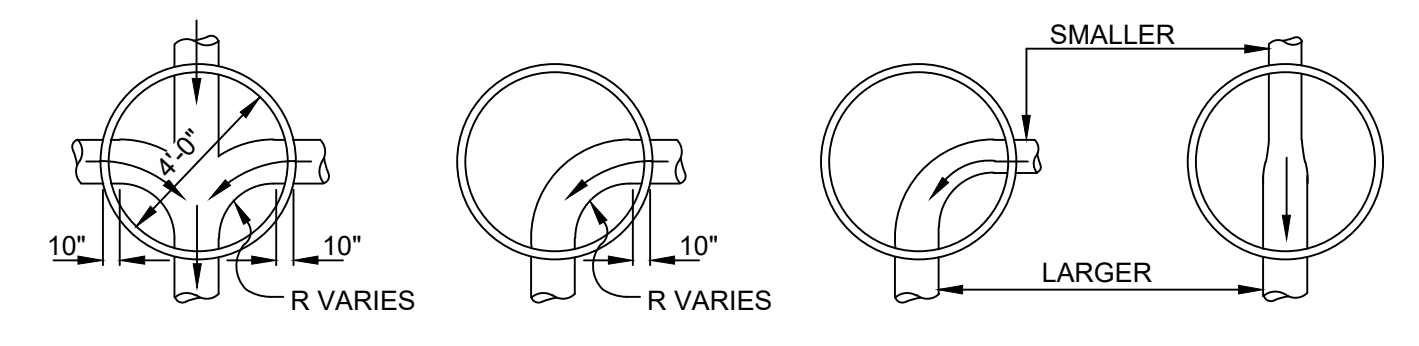
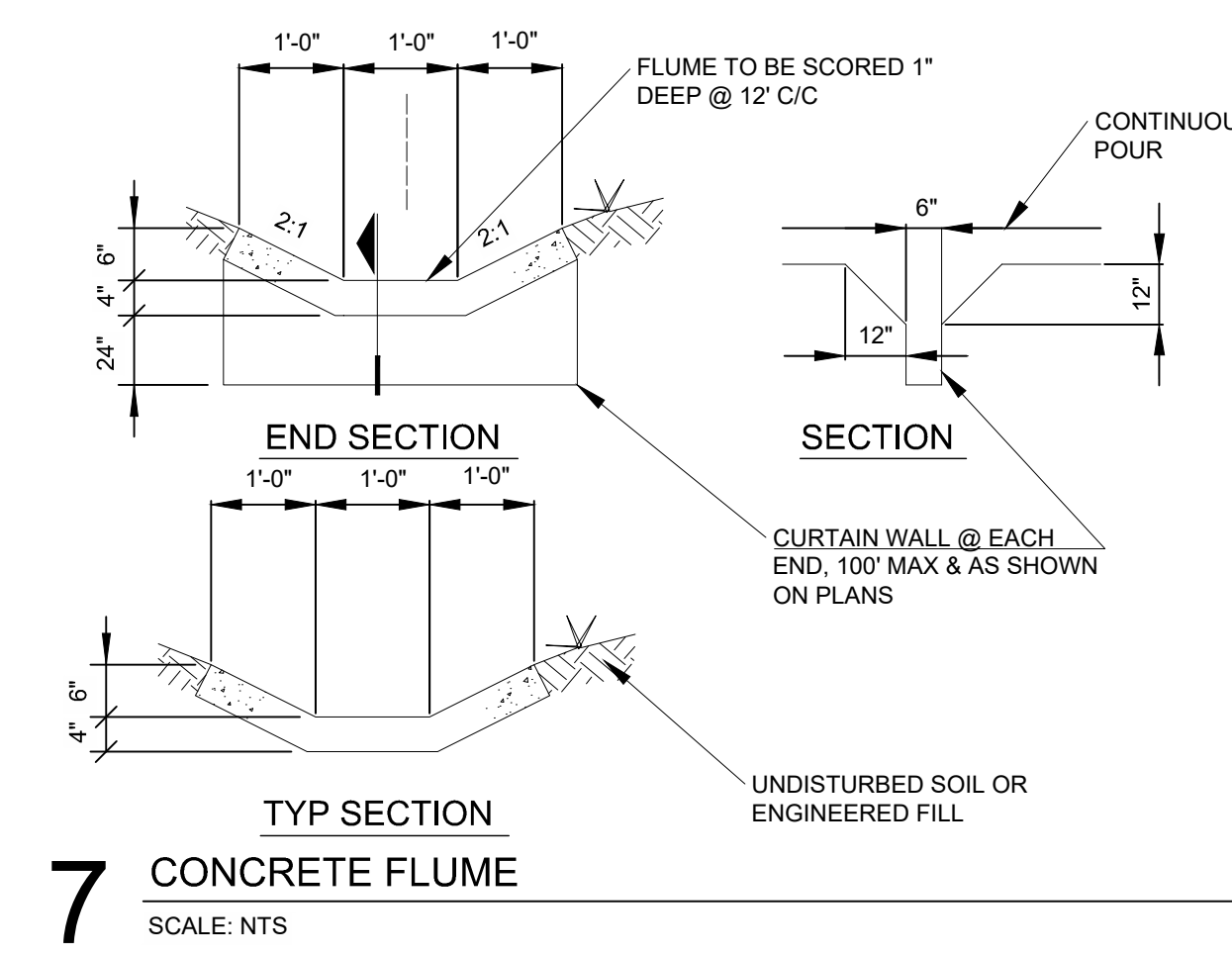
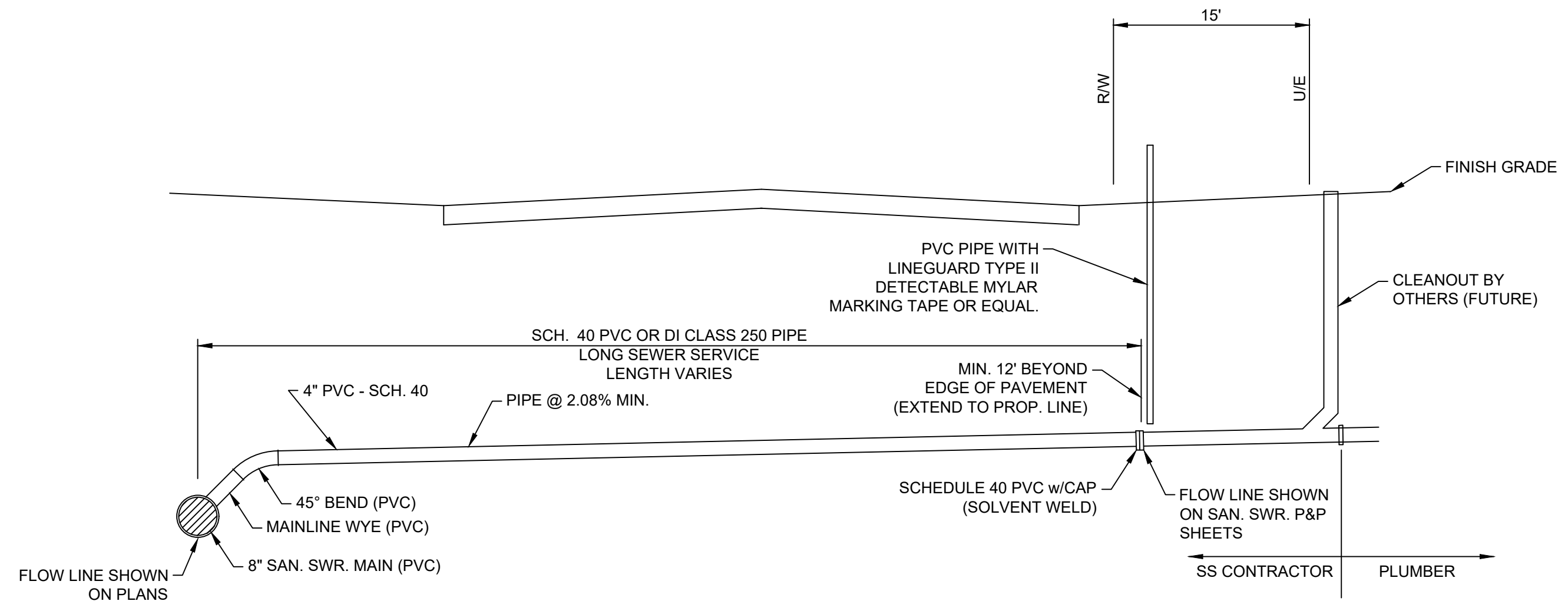
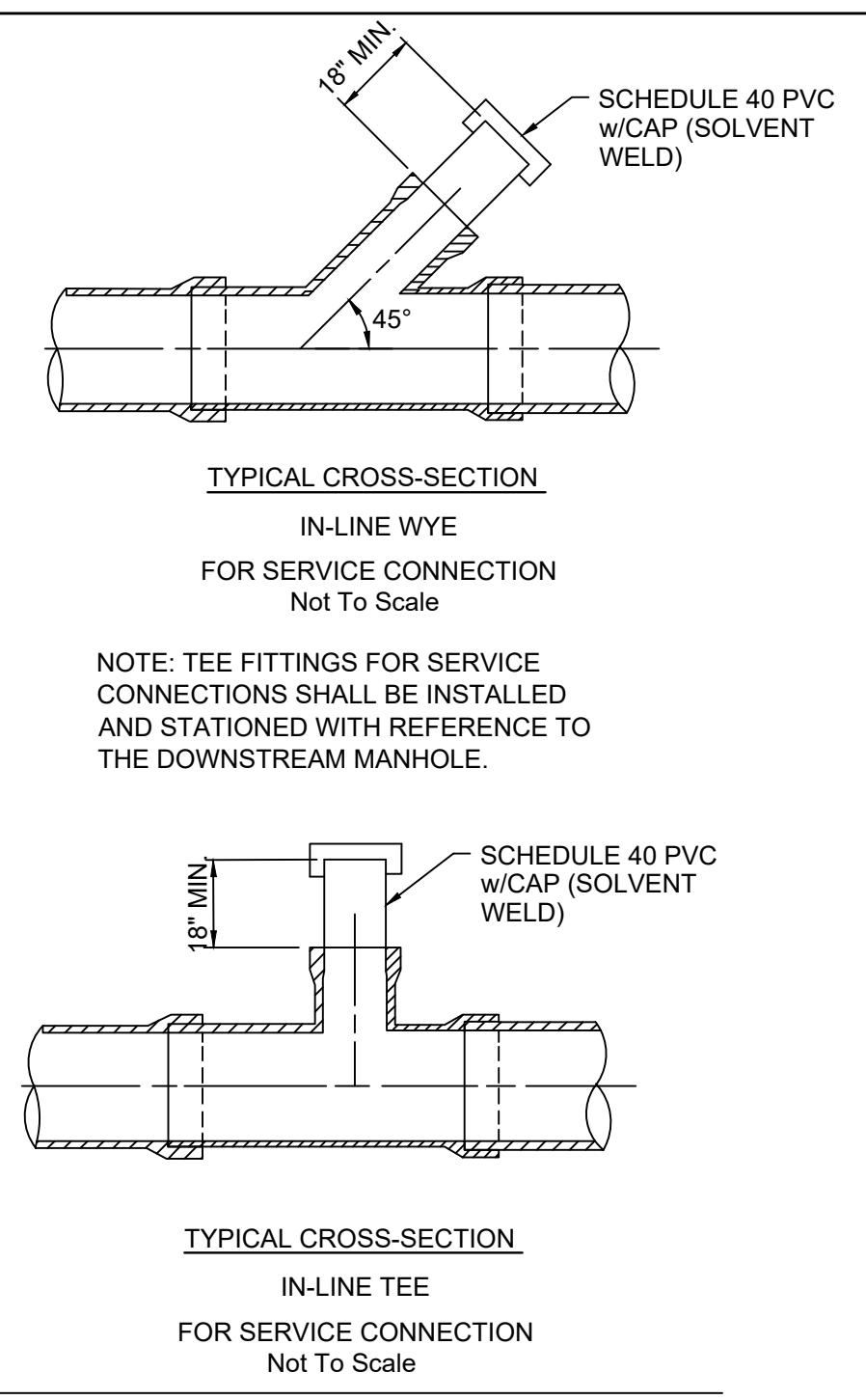
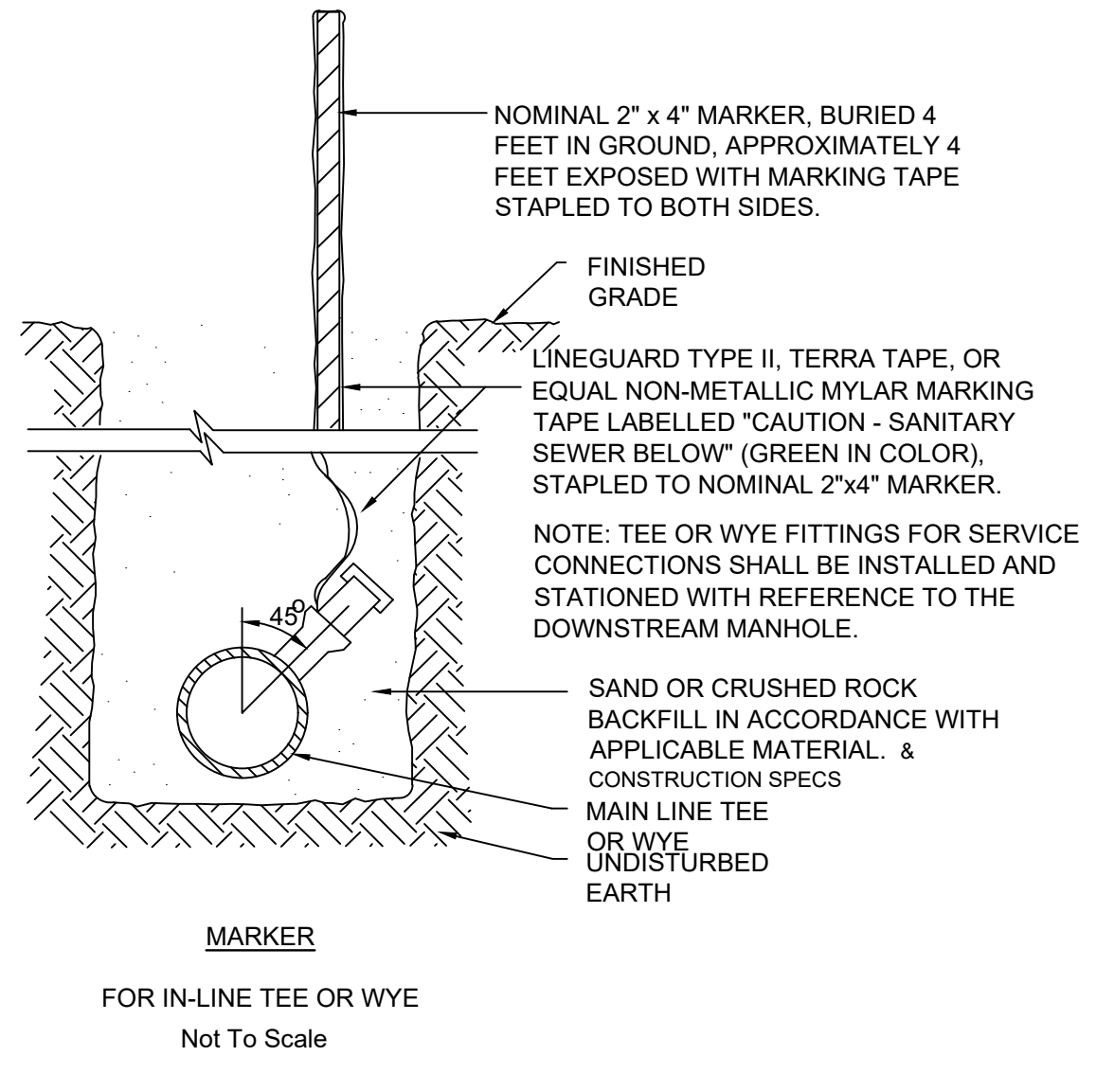
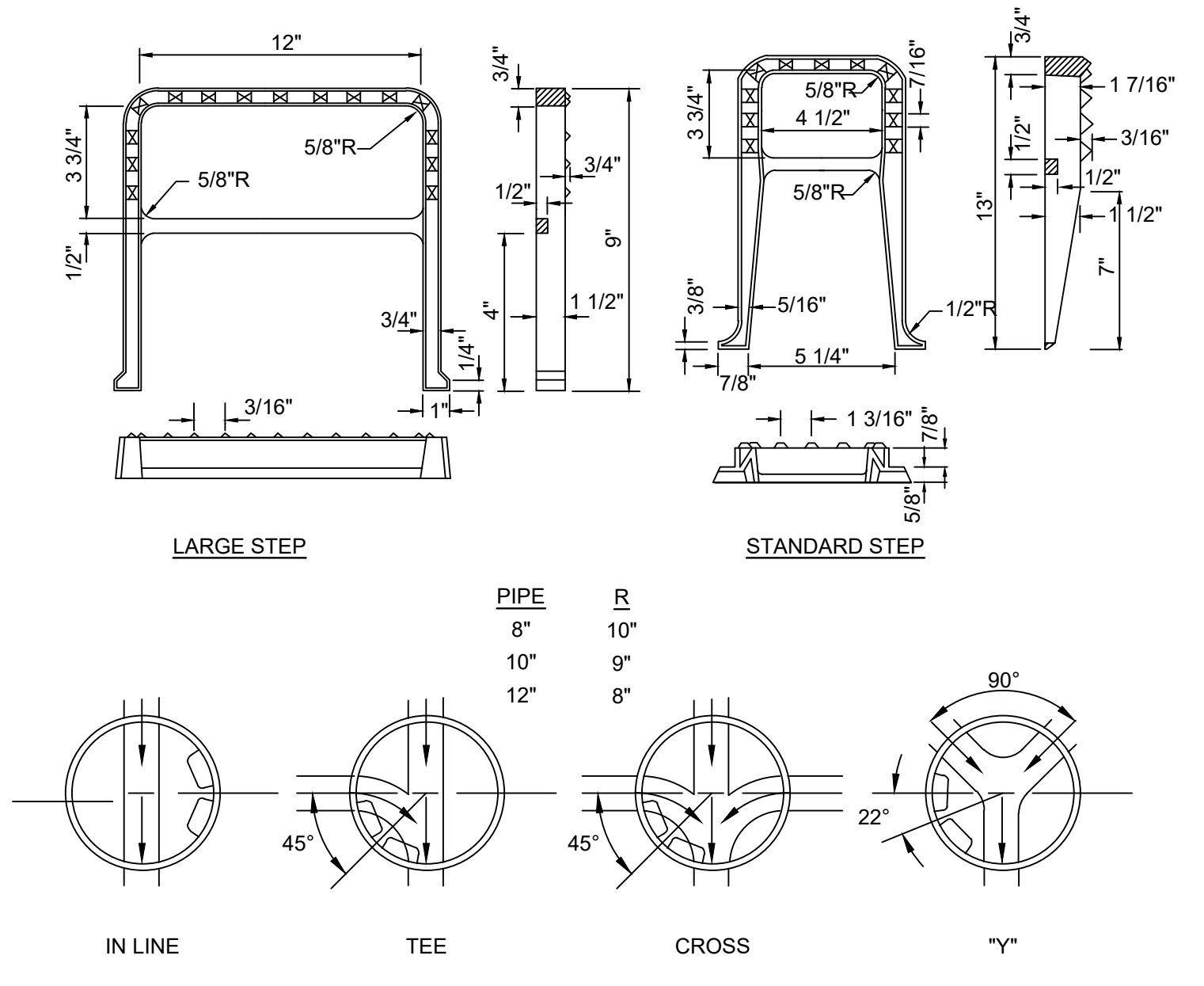
**WARRIOR ADDITION
 CHEROKEE NATION**
 MUSKOGEE, OKLAHOMA

| DATE | 03/24/23 | 05/17/23 |
|------|----------|----------|
| | | |

| REV | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | 50% SET | 05/12/23 |
| 2 | 100% SET | |

PROJECT NO. 2240526
 SHEET NAME

**UTILITY
 DETAILS**
 SHEET NO. **C802**



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