

HARRISON DRIVE WATER PETITION

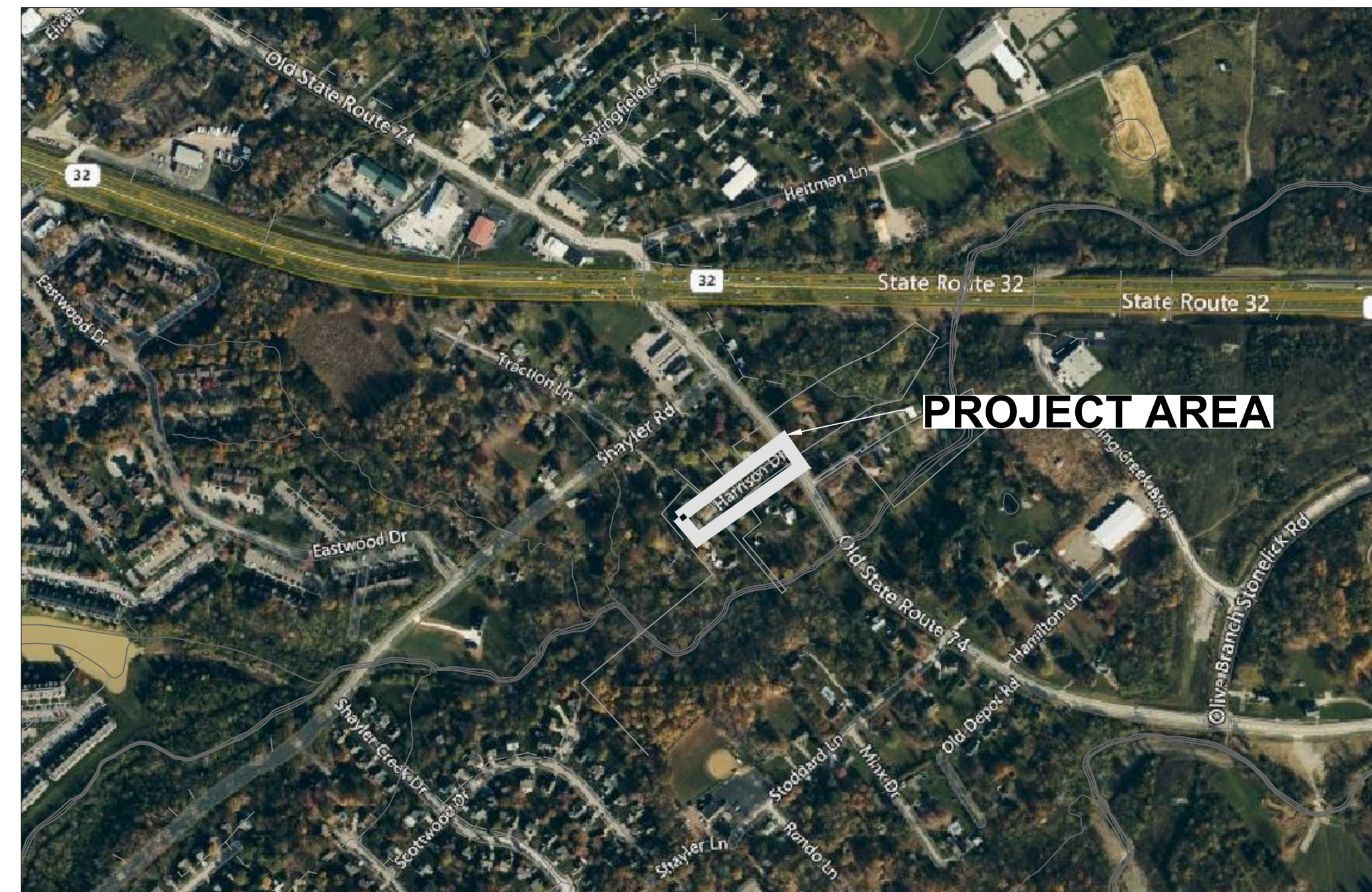
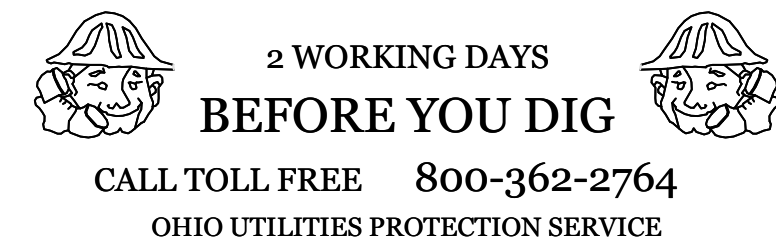
UNION TOWNSHIP, CLERMONT COUNTY, OHIO
PROJECT # 6401-60245



Designed By: A. KIMPK
Drawn By: R. LUNTCH
Checked By: C. ROWLAND
Approved By: C. ROWLAND

CLERMONT COUNTY COMMISSIONERS

DAVID L. PAINTER
CLAIRE B. CORCORAN
BONNIE J. BATCHLER



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

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UTILITIES

WATER MAIN & SANITARY SEWER

CLERMONT COUNTY WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION
4400 HASKELL LANE
BATAVIA, OHIO 45103
513-732-7970

CABLE

TIME WARNER
11252 CORNELL PARK DRIVE
CINCINNATI, OHIO 45242
513-386-5483

TELECOM

CINCINNATI BELL INC
221 EAST 4TH STREET
CINCINNATI, OHIO, 45202
513-397-9900

ELECTRIC/GAS

DUKE ENERGY
ELECTRIC OPERATIONS
139 EAST FOURTH STREET
ROOM 467A
CINCINNATI, OHIO 45202
513-287-3932

NO EXCAVATION SHALL COMMENCE UNTIL ALL APPLICABLE UTILITIES HAVE BEEN CLEARED.

NOTE: THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES SHOWN ARE APPROXIMATE AND ARE NOT NECESSARILY ALL OF THE EXISTING UTILITIES AND STRUCTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND/OR EXISTENCE OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO ANY CONSTRUCTION. THE DISTRICT AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS IMMEDIATELY.

REVISIONS:

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| PRELIMINARY DESIGN FOR PUBLIC INFORMATIONAL MEETING | | | | | |
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CLERMONT COUNTY
WATER RESOURCES DEPARTMENT
HARRISON DRIVE WATER PETITION
PROJECT # 6401-60245

TITLE SHEET

Scale: N/A

Date: MARCH 2026

Sheet No.

1

6401-60245

GENERAL NOTES

GENERAL: ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST RULES AND REGULATIONS OF THE CLERMONT COUNTY WATER RESOURCES DEPARTMENT FOUND AT WRD.CLERMONTCOUNTYOHI.OV. IT IS THE INTENT OF THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS TO DESCRIBE A COMPLETE FUNCTIONING SYSTEM IN ALL RESPECTS, WHETHER OR NOT EVERY SUB-ELEMENT OF THE TOTAL SYSTEM IS ACTUALLY DEFINED IN WRITING AND/OR DETAIL. PAYMENT TO THE CONTRACTOR(S) SHALL BE INFERRED TO COVER WORK AND MATERIALS REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM SUCH THAT WHEN FINAL PAYMENT IS MADE, THE SYSTEM IS COMPLETELY OPERABLE AND FUNCTIONS IN ALL RESPECTS AS REQUIRED BY THE CONTRACT DOCUMENTS.

THE WORK TO BE PERFORMED UNDER THESE SPECIFICATIONS INCLUDES FURNISHING ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLETE THE WORK CALLED FOR IN THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRIC, WATER, SANITARY FACILITIES AND WASTE DISPOSAL TO COMPLETE THE WORK.

A SITE VISIT IS HIGHLY RECOMMENDED PRIOR TO SUBMISSION OF BID; THE CONTRACTOR IS EXPECTED TO BE FAMILIAR WITH THE SITE PRIOR TO CONSTRUCTION.

THE EXISTING WATER MAIN IS SHOWN BASED ON FIELD SURVEYS AND THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF WORK.

THE EXISTING WATER MAIN IS TO REMAIN IN SERVICE DURING CONSTRUCTION OF THE NEW WATER MAIN.

THE TOP OF THE PROPOSED WATER MAIN SHALL BE INSTALLED AT A MINIMUM 4' BELOW THE PROPOSED GRADE OR AS DIRECTED BY THE ENGINEER.

CONTRACTOR IS REQUIRED TO SHORE EXISTING UTILITY POLES AS NECESSARY TO COMPLETE THE WORK CALLED FOR IN THE CONTRACT DRAWINGS AND SPECIFICATIONS.

PAVEMENT: ALL PAVEMENT AND/ROADWAY SURFACE DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED BY THE CONTRACTOR AT THEIR EXPENSE AND IN CONFORMANCE WITH THE REGULATIONS OF THE GOVERNING AUTHORITY OF SAID ROADWAYS. IN THE ABSENCE OF SUCH REGULATIONS, THE RESTORATION SHALL BE IN ACCORDANCE WITH INSTRUCTIONS BY THE OWNER'S REPRESENTATIVE WITH THE OBJECTIVE OF RESTORING THE PAVING OR ROADWAY SURFACE TO THE ORIGINAL CONDITION OF SAME.

RESTORATION: TEMPORARY RESTORATION AND RESTORATION WITHIN AND OUTSIDE OF THE LIMITS OF THIS CONSTRUCTION PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO VIDEO TAPE AND PHOTOGRAPH ALL AREAS THAT WILL BE DISTURBED AS A RESULT OF THEIR CONSTRUCTION ACTIVITIES AND WILL DELIVER TO THE OWNER'S REPRESENTATIVE A COPY OF THE VIDEO TAPE AND PHOTOGRAPHS. ALL PICTURES SHALL BE LABELED WITH THE LOCATION WHERE TAKEN. NONCOMPLIANCE MAY RESULT IN THE CONTRACTOR'S LIABILITY FOR ALL DISPUTED PROPERTY RESTORATIONS.

EROSION CONTROL: THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO COMPLETE THE WORK AS OUTLINED IN THESE DRAWINGS AND PROJECT SPECIFICATIONS AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CLERMONT COUNTY WATER MANAGEMENT AND SEDIMENT CONTROL REGULATIONS AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE

MAILBOXES: CONTRACTOR SHALL REMOVE AND REPLACE MAILBOXES, AS NEEDED DURING CONSTRUCTION. CONTRACTOR IS ADVISED THAT ALL MAILBOXES MAY NOT BE SHOWN.

UTILITIES: THE EXISTENCE, LOCATION, AND CONDITION OF UTILITIES AND STRUCTURES, BOTH ABOVE AND BELOW GROUND, SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. EXCAVATION IN THE VICINITY OF SUCH UTILITIES AND STRUCTURES, SHALL BE DONE CAREFULLY AND BY HAND IF NECESSARY. THE CONTRACTOR SHALL PROTECT ALL SUCH UTILITIES AND STRUCTURES, BOTH MARKED AND UNMARKED, AND BE HELD RESPONSIBLE FOR DAMAGE TO SAME. THIS INCLUDES ALL EXISTING AND PROPOSED SPRINKLER AND ELECTRIC LINES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ISOLATE, BRACE, SUPPORT, SHEET, ETC. AND PROTECT THE EXISTING UTILITIES FROM MOVING EITHER HORIZONTALLY OR VERTICALLY. IF SUCH MOVEMENT DOES OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, THEY SHALL REPAIR THE UTILITY TO THE SATISFACTION OF THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL OWNERS OF ADJACENT UTILITIES, FIXTURES, AND/OR PROPERTY, OF THEIR IMPENDING OPERATIONS, BUT IN NO WAY SHALL SUCH NOTICE RELIEVE THE CONTRACTOR OF THEIR LIABILITY FOR DAMAGES TO SAID UTILITIES, FIXTURES, AND/OR PROPERTY. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS IN ADVANCE OF EXCAVATION IN THE VICINITY OF SAID UTILITY. FIELD LOCATION SHALL BE MADE BY THE UTILITY OR ITS AUTHORIZED AGENCY BEFORE ANY WORK IS PERFORMED BY THE CONTRACTOR. IF AT ANYTIME DURING WORK, AN EXISTING UTILITY IS DAMAGED IN ANY WAY, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE APPROPRIATE GOVERNING ENTITY AND THE OWNER'S REPRESENTATIVE.

SHUT DOWNS AND SCHEDULING:

- CONTRACTOR MUST CHOOSE DATE THAT ALLOWS MAINTENANCE AT LEAST 1 WEEK TO PLAN SHUTDOWN
- 48 HOURS NOTICE TO AFFECTED CUSTOMERS REQUIRED PRIOR TO SHUTDOWNS
- CONTRACTOR REQUIRED TO DISTRIBUTE THE SHUT DOWN NOTICES PROVIDED BY THE OWNER
- SHUT DOWNS ARE TO BE PERFORMED AT NIGHT UNLESS PRIOR APPROVAL IS PROVIDED BY CCWRD

TESTING AND DISINFECTION OF WATER MAIN

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO DISINFECT THE COMPLETE WATER PIPE LINE IN ACCORDANCE WITH AWWA C-651 AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ALL PIPING AND APPURTENANCES MUST BE PROPERLY DISINFECTED WITH A MINIMUM OF 50 MILLIGRAMS PER LITER TOTAL CHLORINE RESIDUAL FOR 48 HOURS. THE PIPING MUST BE FLUSHED TO REMOVE ANY EXCESS CHLORINE. CHLORINE SOLUTION SHALL BE EVENLY APPLIED AND DISTRIBUTED THROUGHOUT THE PIPING.

A HYDROSTATIC TEST AS REQUIRED IN SECTION 4 OF THE STANDARD AWWA SPECIFICATIONS C-600 SHALL BE APPLIED TO INDIVIDUAL VALVED-OFF SECTIONS OF THE MAINS AND FIRE HYDRANT LEADS EITHER BEFORE OR AFTER THE TRENCH IS BACKFILLED, PER CCWRD INSTRUCTION. THE WATER MAIN SHALL BE TESTED AT 200 PSI, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE, IN ANY SECTION BEING TESTED. THE DURATION OF EACH TEST SHALL BE AT LEAST TWO HOURS. SEE SPECIFICATION SECTION 2110, PART 5 - TESTING FOR ADDITIONAL DETAILS AND INFORMATION.

THE ONLY EXCLUSION OF TESTING IS TIE IN PIPING LESS THAN 18' IN LENGTH. IN THIS CASE, THE PIPE WILL BE SWABBED OR SPRAY DISINFECTED WITH CHLORINE SOLUTION, IN ACCORDANCE WITH AWWA C-657.

SPECS FOR PIPE, BENDS, VALVES AND APPURTANCES

DUCTILE IRON PIPE SHALL BE DUCTILE, CENTRIFUGALLY CAST TYPE IN ACCORDANCE WITH ANSI A21.51 (AWWA C-151) UNLESS OTHERWISE NOTED. FOR ALL IN-GROUND INSTALLATIONS THE PRESSURE CLASS SHALL BE CLASS 52, UNLESS A HIGHER CLASS IS REQUIRED BY LAYING CONDITIONS OR PRESSURE IN ACCORDANCE WITH ANSI A21.50 AND APPROVED BY THE OWNER'S REPRESENTATIVE. ALL DUCTILE PIPES SHALL HAVE BITUMINOUS COATED CEMENT LINING COMPLYING WITH AWWA C-104 AND SHALL HAVE AN OUTSIDE COATING OF BITUMASTIC ENAMEL OR APPROVED EQUAL. ALL DUCTILE IRON PIPES SHALL BE PROVIDED WITH EITHER MECHANICAL JOINT ENDS OR PUSH-ON JOINTS ENDS.

ALL FITTINGS, WALL PIPES AND SPECIALS SHALL BE OF DUCTILE IRON OR IN ACCORDANCE WITH ANSI A21.10 (AWWA C-153). ALL FITTINGS SHALL HAVE A BITUMINOUS COATED CEMENT LINING COMPLYING WITH AWWA C-104 AND SHALL HAVE AN OUTSIDE COATING COMPLYING WITH AWWA C-153 OR AN EPOXY COATING COMPLYING WITH AWWA C-116. ALL DUCTILE IRON FITTINGS SHALL BE PROVIDED WITH AND ASSEMBLED USING MECHANICAL JOINT ENDS AND RETAINER GLANDS.

CONCRETE THRUST BLOCKING, SUPPORTS AND/OR BUTTRESSES SHALL BE PROVIDED AT ALL TEES AND BENDS AND AT ANY OTHER LOCATIONS REQUIRED BY THE CLERMONT COUNTY WATER RESOURCES DEPARTMENT. THESE CONCRETE STRUCTURES SHALL BE BUILT TO THE LINES, GRADES AND DIMENSIONS SHOWN ON THE STANDARD DRAWINGS. CONCRETE USED FOR BLOCKING SHALL CONFORM TO CLASS C CONCRETE, HAVING A COMPRESSIVE STRENGTH OF 4,000 POUNDS PER SQUARE INCH. ALL CONCRETE SHALL BE MIXED BY MECHANICAL MEANS PRIOR TO INSTALLATION. THE INSTALLATION OF DRY CONCRETE WILL NOT BE PERMITTED.

PIPE JOINTS RESTRAINTS SHALL BE FIELD LOK GASKET, AMERICAN FAST GRIP, OR APPROVED EQUAL AS DETERMINED BY OWNER'S REPRESENTATIVE, EXCEPT AS MODIFIED HEREIN. ALL FIRE HYDRANT LEADS AND FIRE HYDRANT ASSEMBLIES SHALL BE RESTRAINED USING MEGALUG SERIES 1100 MECHANICAL JOINT RESTRAINT OR SIGMA CORPORATION ONE-LOCK SERIES SLDE MECHANICAL JOINT RESTRAINT FOR DUCTILE IRON PIPE OR APPROVED EQUAL AS DETERMINED BY OWNER'S REPRESENTATIVE.

POLYETHYLENE ENCASEMENT SHALL BE INSTALLED IN ACCORDANCE WITH ANSJ/AWWA C105/A21.5 METHODS A OR B AND THE COUNTY'S SPECIFICATIONS. THE POLYETHYLENE ENCASEMENT SHALL BE A LOW-DENSITY POLYETHYLENE FILM MADE FROM VIRGIN LOW-DENSITY POLYETHYLENE RAW MATERIAL CONFORMING TO ASTM D4976 AND SHALL BE A MINIMUM OF EIGHT MILS IN THICKNESS.

GATE VALVES: ALL GATE VALVES SHALL CONFORM TO AWWA C-509 OR C-515 EXCEPT AS MODIFIED HEREIN. NEW GATE VALVES SHALL BE FULLY ENCAPSULATED RESILIENT WEDGE, PARALLEL SEATS, NON-RISING STEM, LEFT HAND OPEN (COUNTER CLOCKWISE), AND SHALL HAVE RUBBER "O"-RING, PACKING SEALS AND MECHANICAL JOINT ENDS WITH A 250 PSI PRESSURE RATING, UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. THE INTERNAL VALVE COATING SHALL BE IN ACCORDANCE WITH AWWA-C550. APPROVED MODELS ARE: AMERICAN FLOW CONTROL SERIES 2500, MUELLER 2360, US PIPE METROSEAL 250, AND M&H 4067.

VALVE BOXES SHALL BE EQUAL TO F-2450 SERIES AS MANUFACTURED BY CLOW CORP OR SIGMA CORPORATION VB261-8. VALVE BOX ASSEMBLY SHALL BE OF CAST IRON WITH STAY PUT COVER AND PROPERLY SIZED BASE FOR THE VALVE BEING FITTED. COVER SHALL BE MARKED "WATER". ALL BOXES SHALL BE FURNISHED WITH THE NECESSARY EXTENSIONS TO BRING THE TOP OF THE BOX TO THE FINISHED GRADE.

BUTTERFLY VALVES: ALL BUTTERFLY VALVES SHALL CONFORM TO THE AWWA STANDARD SPECIFICATION FOR RUBBER SEATED BUTTERFLY VALVES; DESIGNATION AWWA C-504 OF THE LATEST REVISION EXCEPT MODIFIED HEREIN. VALVES SHALL BE SUITABLE FOR FLOW IN EITHER DIRECTION AND SHALL BE BUBBLE TIGHT IN EITHER DIRECTION. WAFER VALVES SHALL NOT BE ACCEPTABLE. INTERNAL VALVE COATING SHOULD BE IN ACCORDANCE WITH AWWA-C550. VALVES SHALL BE AWWA CLASS 250B DESIGNED FOR 250 PSI NON-SHOCK SHUT-OFF PRESSURE AND A VELOCITY OF 150 FEET PER SECOND. VALVES AND APPURTENANCES, INCLUDING OPERATORS, SHALL BE CAST IRON SUITABLE FOR BURIED AND SUBMERGED SERVICE. VALVES FOR USE WITH DUCTILE IRON PIPE SHALL HAVE MECHANICAL JOINT ENDS FURNISHED WITH HIGH STRENGTH CAST IRON TEE HEAD BOLTS AND HEX NUTS, AND RUBBER GASKETS. BODIES SHALL BE EITHER CAST IRON CONFORMING TO ASTM A126, CLASS B OR ASTM A48, CLASS 40 DUCTILE IRON CONFORMING TO ASTM A536 GRADE 65-45-12. UNLESS OTHERWISE APPROVED, SHAFTS SHALL BE STAINLESS STEEL CONFORMING WITH ASTM A276, TYPE 304, OR MONEL, TURNED, GROUND AND POLISHED AND SECURED TO THE VALVE DISC BY ONE OR MORE TANGENTIALLY FITTED MONEL OR STAINLESS STEEL TAPER PINS DRIVEN INTO REAMED TAPERED HOLES AND HELD SNUG BY MEANS OF A

LOCKING NUT OR HEX-MATED TO VALVE DISC AND DESIGNED TO EXCLUDE EXPOSURE TO WATER. VALVES SHALL BE DESIGNED TO SEAT AT 90 DEGREES TO THE PIE AXIS AND SHALL BE CONSTRUCTED OF CORROSION-RESISTANT MATERIALS. SEATS SHALL BE OF A RUBBER COMPOUND COMPLYING WITH THE REQUIREMENTS OF SECTION B OF AWWA C-504-75. RUBBER SEATS SHALL BE ON THE BODY. OPERATORS SUITABLE FOR BURIED AND SUBMERGED SERVICE SHALL BE FURNISHED WITH EACH VALVE. OPERATORS SHALL BE DESIGNED TO DELIVER AN OUTPUT TORQUE TO THE VALVE SHAFT EQUAL TO THAT SHOWN ON THE FOLLOWING TABLE:

| MAXIMUM OPERATING TORQUES: | VALVE DIAMETER(IN) | TORQUE(FT-LBS) |
|----------------------------|--------------------|----------------|
| | 3 | 19 |
| | 4 | 36 |
| | 6 | 93 |
| | 8 | 175 |
| | 10 | 320 |
| | 12 | 510 |
| | 14 | 720 |
| | 16 | 1030 |

OPERATORS SHALL BE DESIGNED TO PRODUCE THE SPECIFIED OUTPUT TORQUE WITH A MAXIMUM INPUT TORQUE OF 150 FOOT-POUNDS APPLIED TO THE OPERATING NUT. TRAVELING NUT TYPE OPERATORS SHALL BE TYPE MDT AS MANUFACTURED BY PRATT, OR APPROVED EQUAL. THE TOTAL NUMBER OF TURNS APPLIED TO THE WRENCH NUT REQUIRED TO COMPLETELY OPEN (CLOSE) THE VALVE FROM COMPLETELY CLOSED (OPEN) POSITION SHALL BE NOT LESS THAN TWICE THE NOMINAL VALVE DIAMETER IN INCHES FOR VALVES LESS THAN 16 INCHES IN DIAMETER AND SHALL BE NOT LESS THAN 30 TURNS FOR 16 INCH AND LARGER VALVES. ALL OPERATORS SHALL BE LEFT-HAND (COUNTER CLOCKWISE) OPENING.

APPROVED BUTTERFLY VALVES ARE: DEZURIK-250B, MUELLER LINESEAL XP-250B OR HENRY PRATT COMPANY-MODEL HP-250.

VALVE BOXES SHALL BE EQUAL TO F-2450 SERIES AS MANUFACTURED BY CLOW CORP OR SIGMA CORPORATION VB261-8. VALVE BOX ASSEMBLY SHALL BE OF CAST IRON WITH STAY PUT COVER AND PROPERLY SIZED BASE FOR THE VALVE BEING FITTED. COVER SHALL BE MARKED "WATER". ALL BOXES SHALL BE FURNISHED WITH THE NECESSARY EXTENSIONS TO BRING THE TOP OF THE BOX TO THE FINISHED GRADE.

WATER SERVICE, FITTINGS, AND METER SETTING

DIRECT TAPS ARE TO BE USED FOR ¾" to 1" CONNECTIONS, TAPPING SADDLES ARE TO BE USED FOR CONNECTIONS LARGER THAN 1". TAPPING SADDLES SHALL BE MANUFACTURED FOR THE FORD METER BOX COMPANY STYLE S90, STYLE A OR B IN AREAS WITH STATIC PRESSURE AT OR BELOW 150 PSI.

CORPORATION STOPS- APPROVED CORPORATION STOPS SHALL BE:

- ¾" AND 1"- FORD METER BOX COMPANY F1000-3-G-NL
- 1 ½"- FORD METER BOX COMPANY FB1000-6-G-NL
- 2" - FORD METER BOX COMPANY FB1000-7-G-NL

WATER SERVICE LINES, WHICH EXTEND FROM THE WATER MAIN TO 3' BEYOND THE METER, SHALL BE TYPE "K" COPPER CONFORMING TO ASTM B-88 SPECIFICATIONS.

ALL METERS USED IN THE CLERMONT COUNTY WATER RESOURCES DEPARTMENT DISTRIBUTION SYSTEM MUST BE PURCHASED FROM THE WATER RESOURCES DEPARTMENT AND INSTALLED ACCORDING TO THE WATER RESOURCES DEPARTMENT STANDARD DRAWINGS. WHERE EXISTING WATER SERVICES ARE BEING RELOCATED OR RECONNECTED, THE EXISTING WATER METER CAN BE RE-USED.

METER BOXES SHALL BE:

- ¾" METER - OLD CASTLE HEAVY WALL METER PIT 0020-30 B BODY B-W 2 MSHI
- 1" METER - OLD CASTLE HEAVY WALL METER PIT 0020-30 BODY B-W 2 MSHI
- 1 ½" AND 2" - OLD CASTLE HEAVY WALL METER PIT 0030-30 B BODY B-W 2 MSHI
- OR APPROVED EQUAL.

ANGLE VALVES FOR RELOCATED ¾" X ¾" AND 1" WATER METERS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE AND INSTALLED ACCORDING TO THE CLERMONT COUNTY WATER RESOURCES DEPARTMENT STANDARD DRAWINGS:

| METER SIZE | ANGLED YOKE VALVE, W/ PADLOCK WING | ANGLED CHECK VALVE |
|------------|---------------------------------------|--------------------------------------|
| ¾" x ¾" | FORD AV94-323-WG-NL OR APPROVED EQUAL | FORD HA94-323-G-NL OR APPROVED EQUAL |
| 1" | FORD AV94-444-WG-NL OR APPROVED EQUAL | FORD HA91-444-NL-W OR APPROVED EQUAL |

THE EXISTING WATER METER, YOKE AND EXPANSION WHEEL ASSEMBLY SHALL BE RE-USED AND RE-INSTALLED BY THE CONTRACTOR IF STILL IN OPERABLE CONDITION. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY SUCH COMPONENTS DAMAGED WHILE ATTEMPTING TO REMOVE.

METER ASSEMBLIES FOR 1 ½" AND 2" DOMESTIC METERS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE AND INSTALLED ACCORDING TO CLERMONT COUNTY WATER RESOURCES 1 DEPARTMENT STANDARD DRAWINGS:

- 1 ½" METERS- FORDVH76-18-11-66-G-NL
- 2" METERS- FORDVH77-18-11-77-G-NL

COMPRESSION FITTINGS USED FOR RELOCATED AND RECONNECTED WATER METERS SHALL BE FORD GRIP JOINT COUPLING (C44-XX-G-NL STYLE), FORD PACK JOINT COUPLING (C44-XX-NL STYLE), OR APPROVED EQUAL.

CONTRACTOR MUST SUBMIT LITERATURE AND/OR CATALOG CUT SHEETS FOR REVIEW AND APPROVAL PRIOR TO ORDERING OF ALL MATERIAL AND FITTINGS TO BE USED ASSOCIATED WITH THE INSTALLATION OF 2" AND SMALLER SINGLE, DOMESTIC WATER SERVICES.

SUBMIT LITERATURE DETAILING THE CONSTRUCTION METHOD TO BE USED TO PROVIDE TRENCHLESS INSTALLATION OF WATER SERVICES FOR REVIEW AND APPROVAL. TRENCHLESS SERVICE LINE INSTALLATION IS REQUIRED FOR ALL SERVICES CROSSING PUBLIC ROADWAYS.

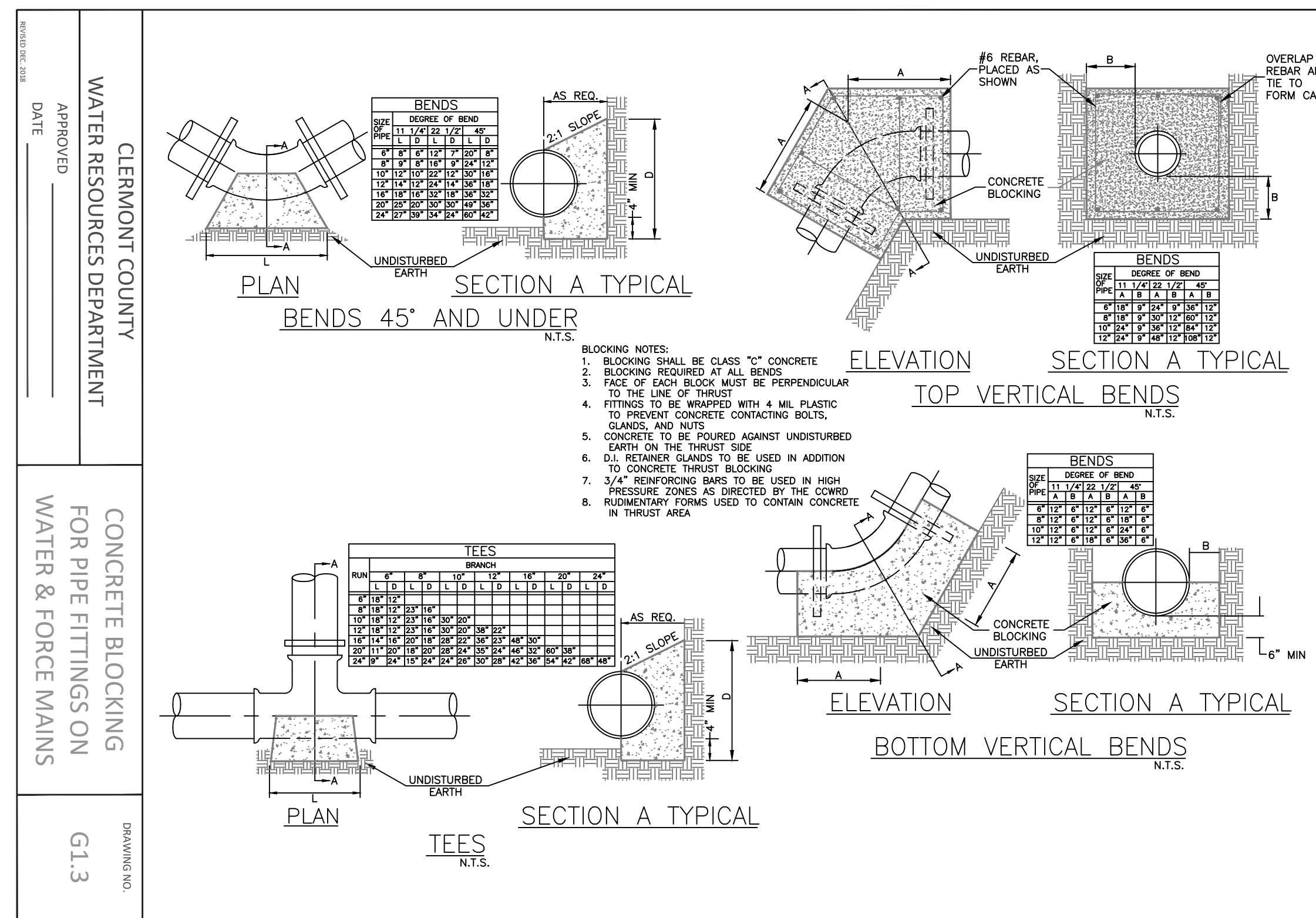
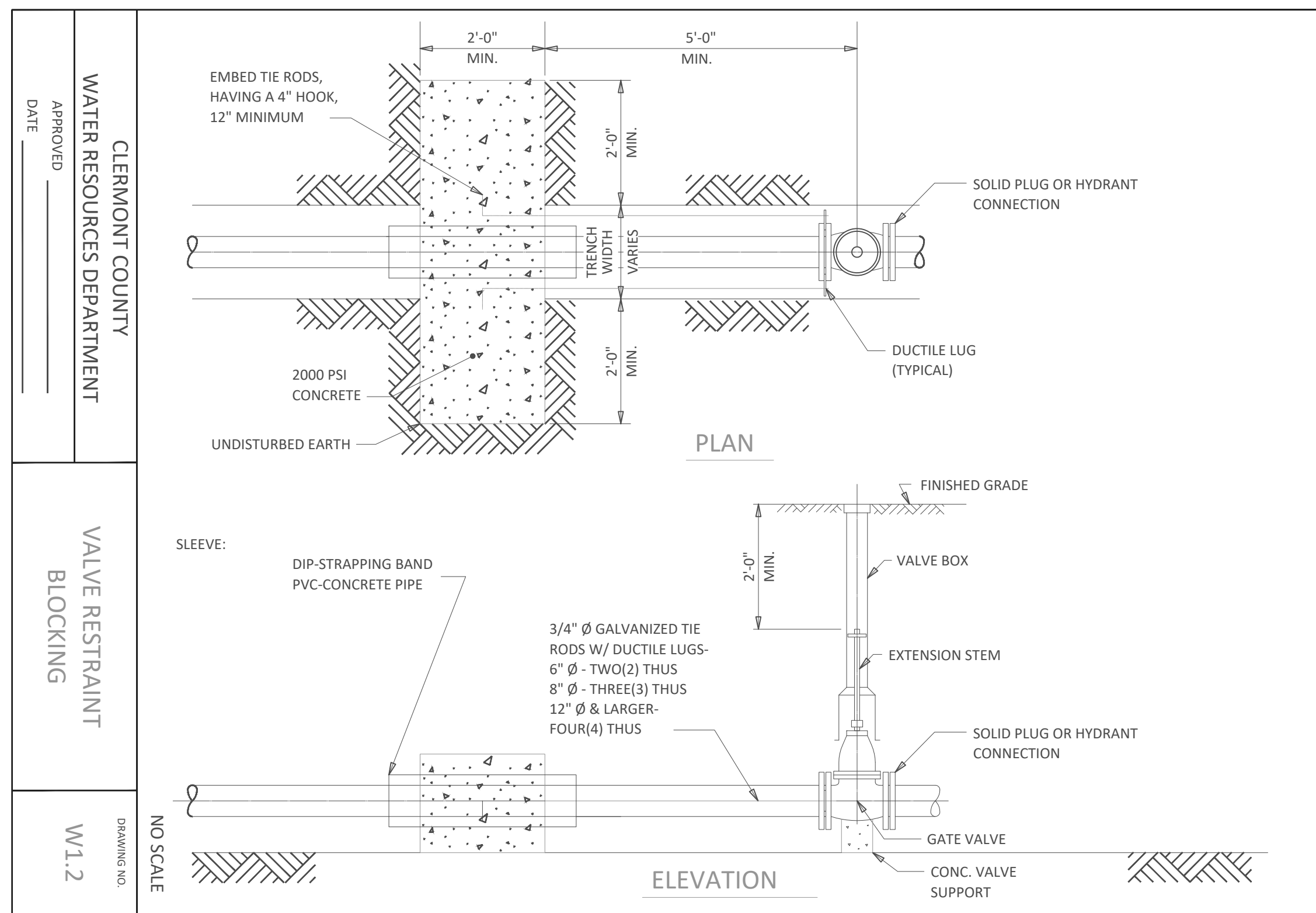
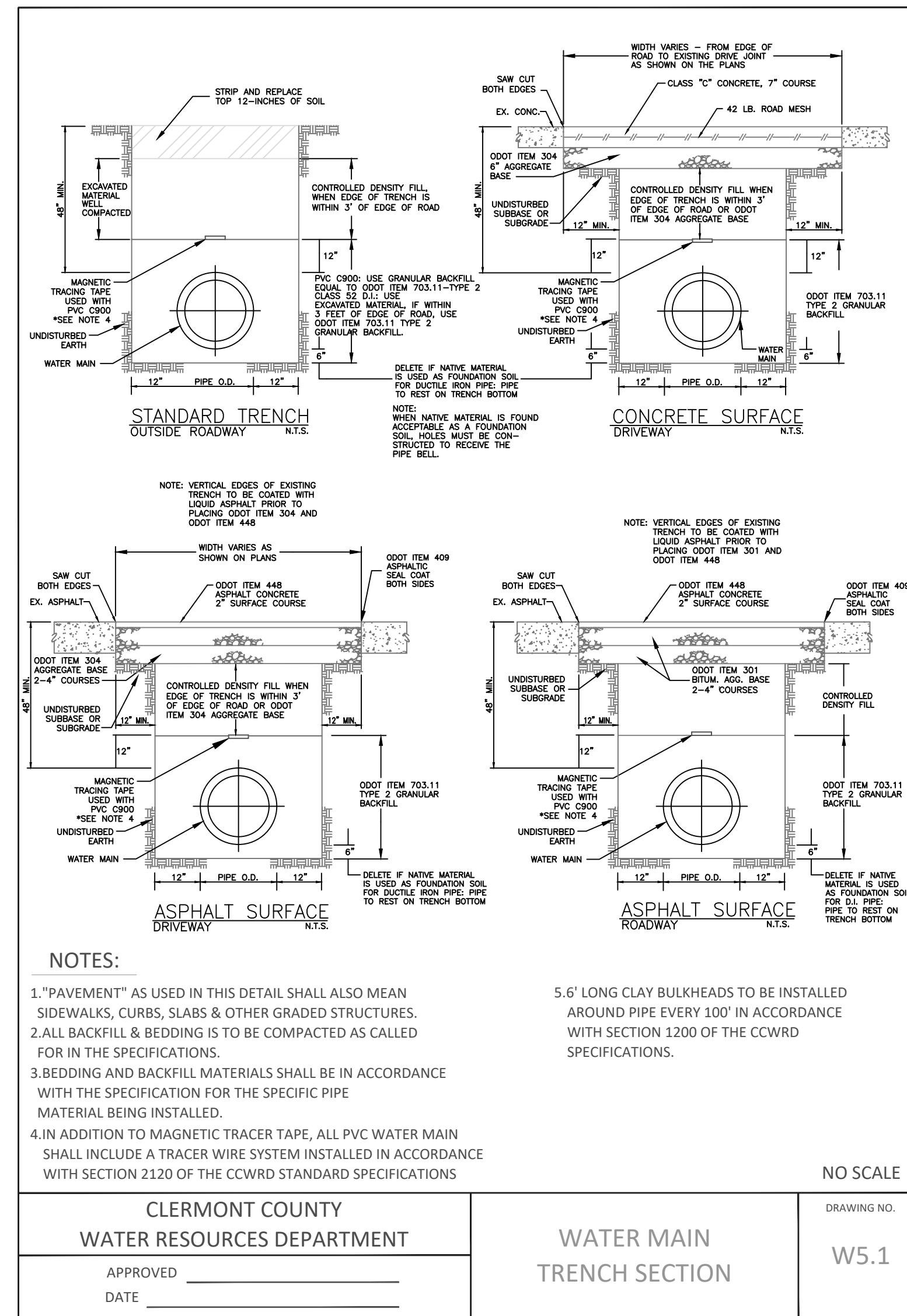
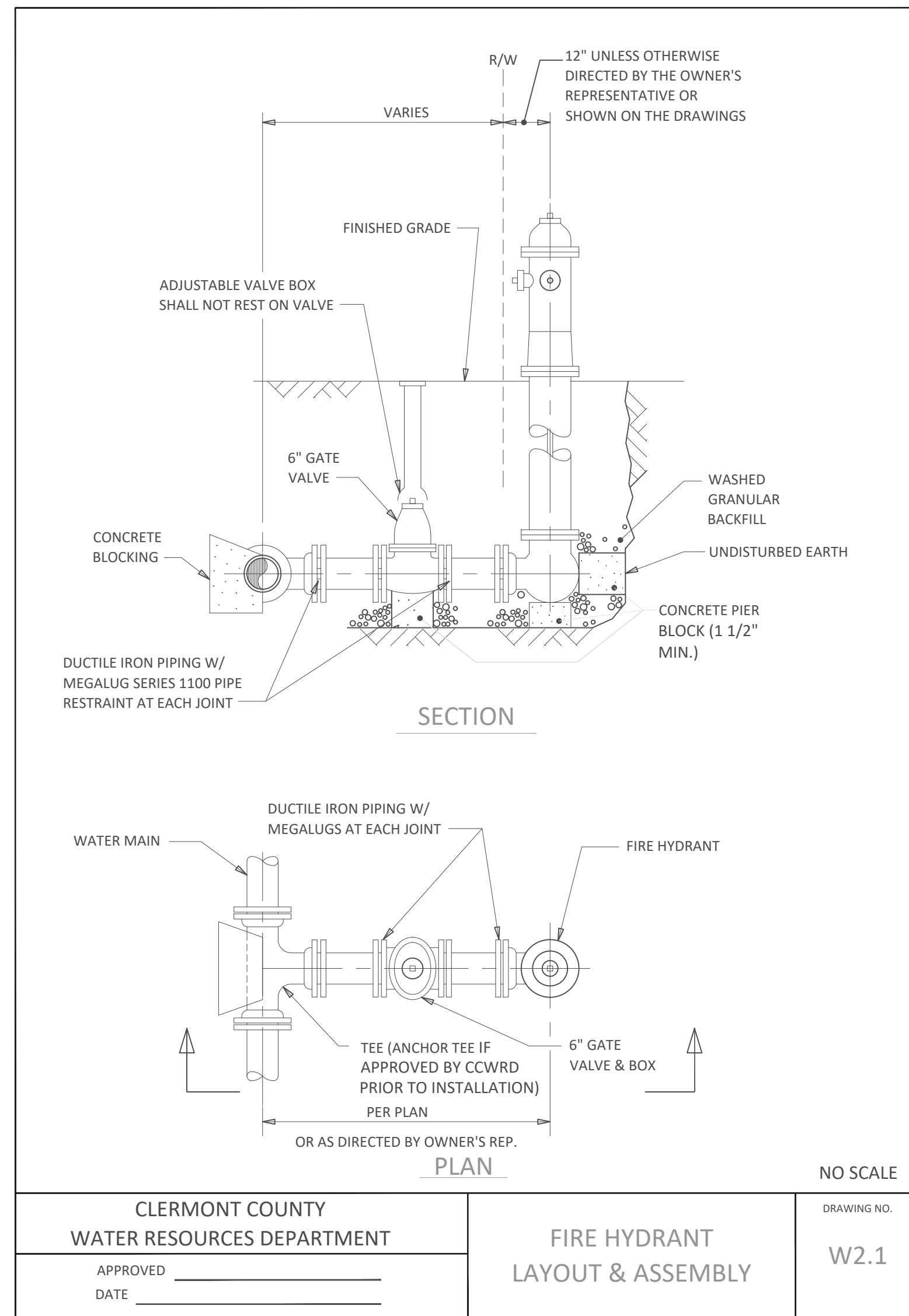
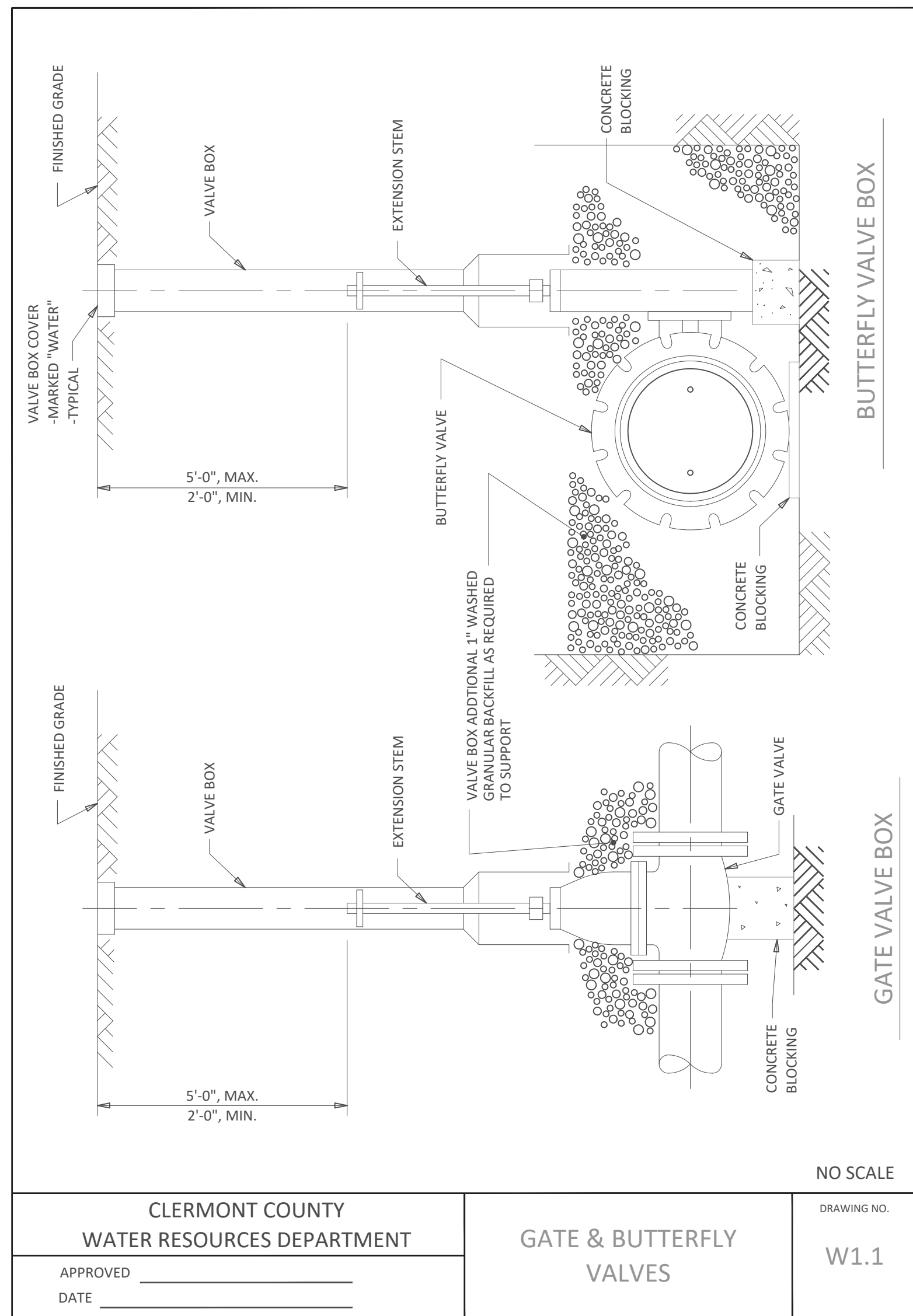


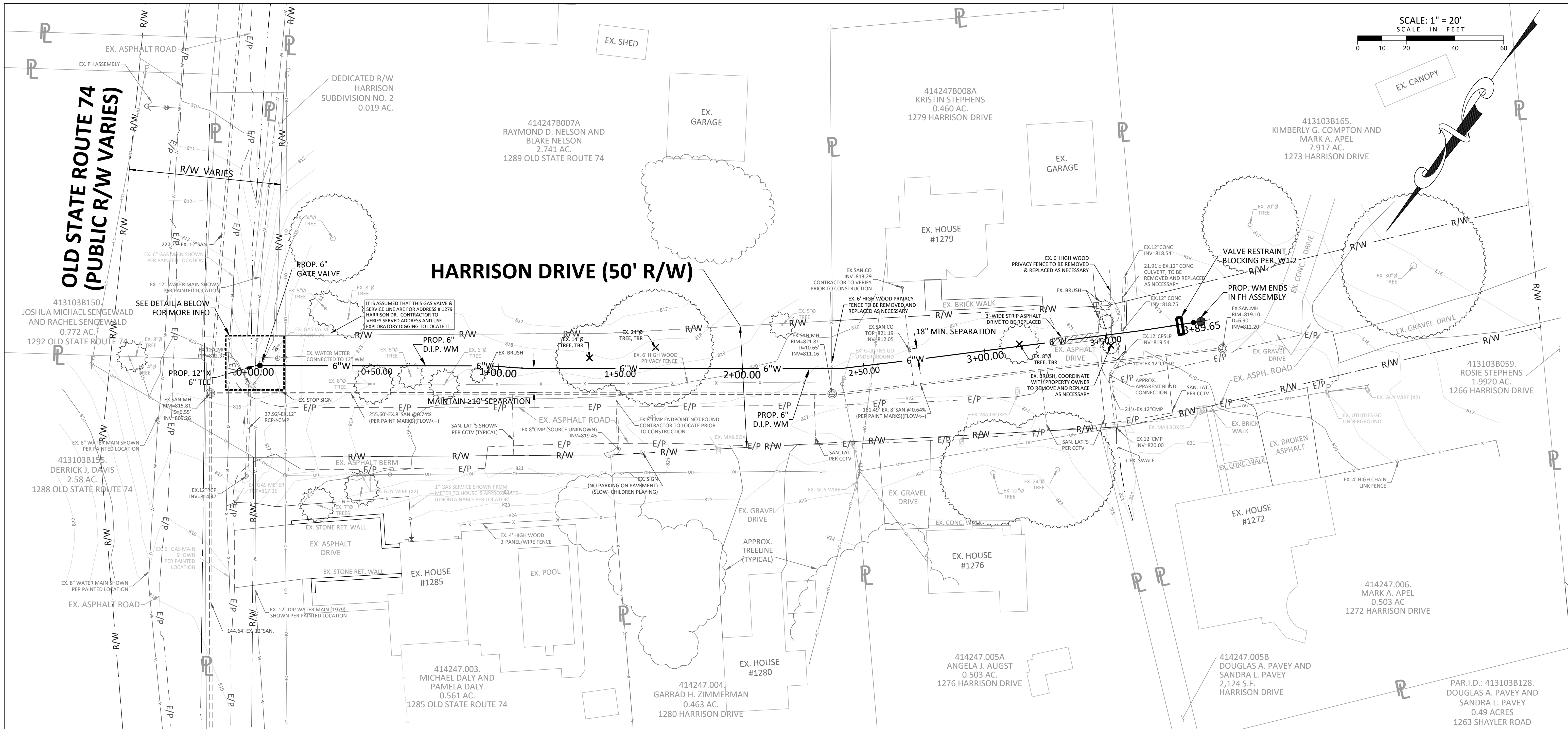
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| Designed By: A KNUPE | Drawn By: R UNTCH | Checked By: C ROWLAND | Approved By: C ROWLAND |
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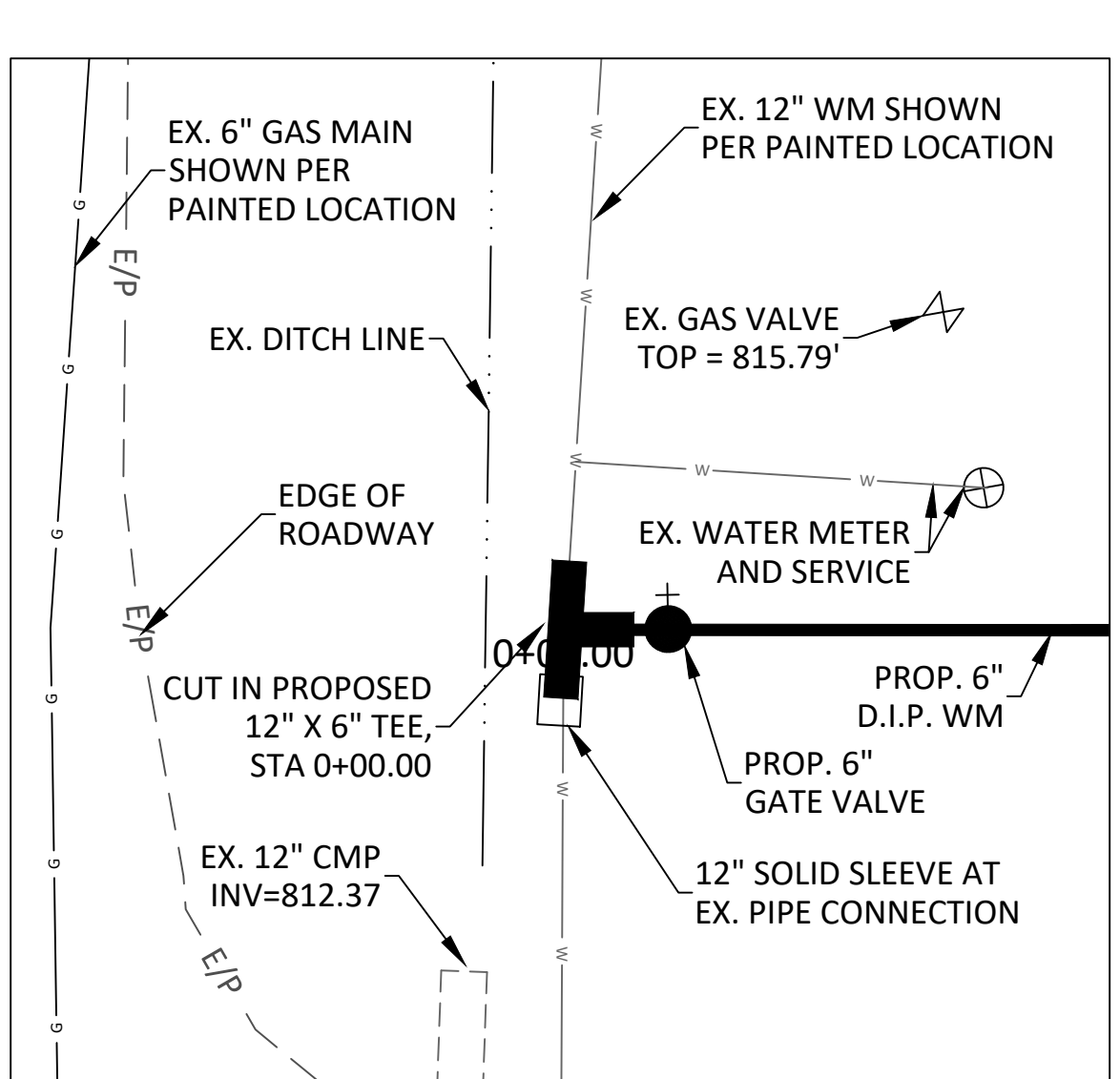
CLERMONT COUNTY
WATER RESOURCES DEPARTMENT
HARRISON DRIVE WATER PETITION
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| NOTES | |
| Scale: | N/A |
| Date: | MARCH 2026 |
| Sheet No. 2 | |
| 6401-60245 | |





| LEGEND | |
|-------------------|-----------------------|
| EXISTING FEATURES | |
| | MANHOLE |
| | CATCH BASIN/DRAIN |
| | GLITTER INLET |
| | CLEAN OUT |
| | DOWNSPOUT |
| | SURVEY MONUMENT |
| | UTILITY POLE |
| | LIGHT POLE/LAMP POST |
| | TRAFFIC SIGNAL/BOX |
| | EX. FIRE HYDRANT |
| | WATER VALVE/METER |
| | SPRINKLER/VALVE |
| | GAS VALVE/METER |
| | SIGN/SIGN POST |
| | MAIL BOX |
| | SEWER |
| | WATER LINE |
| | GAS LINE |
| | ELECTRIC LINE |
| | TELEPHONE LINE |
| | OVERHEAD UTILITY LINE |
| | FENCE LINE |
| | RIGHT OF WAY LINE |
| | EDGE OF PAVEMENT LINE |
| | PROPERTY LINE |



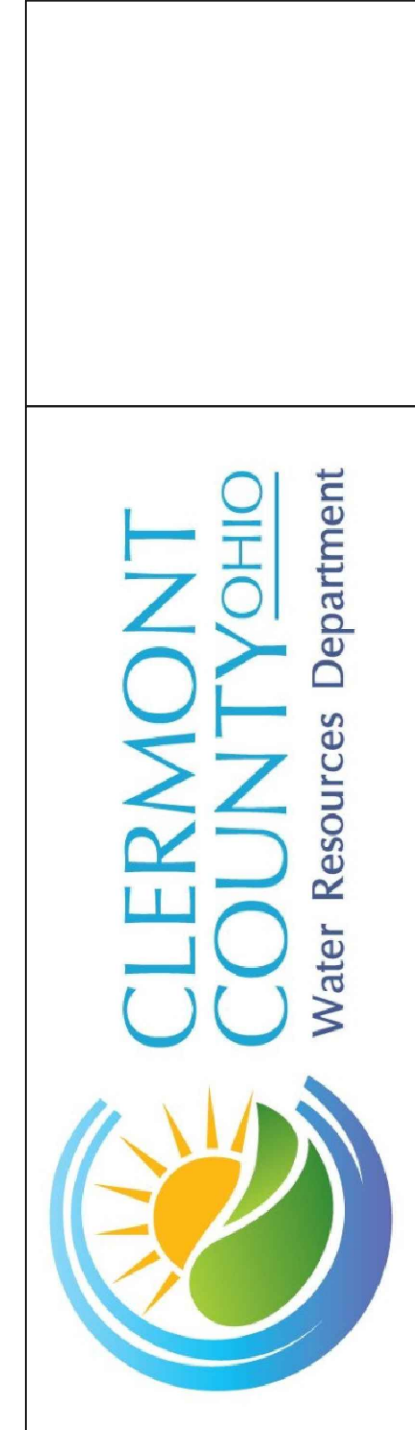
DETAIL A: CONNECTION TO EX. 12" WATER MAIN ON OLD SR 74
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SURVEY NOTES

BEARINGS BASED ON US STATE PLANE NAD 83 (OHIO SOUTH ZONE 3402).
 ELEVATIONS BASED ON NAVD 1988.
 OCCUPATION IN GENERAL FITS SURVEY EXCEPT AS SHOWN.
 MONUMENTS GENERALLY IN GOOD CONDITION UNLESS NOTED OTHERWISE.
 ALL PINS SET ARE 5/8" IRON REBAR, 30" IN LENGTH, WITH CAP.
 SURVEY BASED ON FIELD EVIDENCE AND DEEDS & PLATS OF RECORD NOTED HEREON.
 EASEMENTS SHOWN HEREON WERE DISCOVERED DURING THE COURSE OF RESEARCH OF PUBLIC RECORDS AND MAY NOT COMPRISE ALL OF THE EASEMENTS AND/OR ENCUMBRANCES AFFECTING THE SUBJECT PROPERTY.
 THE UNDERGROUND UTILITIES SHOWN ARE BASED ON A COMBINATION OF SURFACE EVIDENCE AND AVAILABLE PLANS & RECORDS; THEY HAVE NOT BEEN PHYSICALLY LOCATED. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE OF ALL SUCH UTILITIES ON THE PREMISES, EITHER IN SERVICE OR ABANDONED. NOR IS IT GUARANTEED THAT THEY ARE IN THE EXACT LOCATION INDICATED.

CONSTRUCTION NOTES

CONTRACTOR IS RESPONSIBLE TO FIELD LOCATE AND VERIFY THE SIZES OF EXISTING UTILITIES AND LATERALS, WHETHER PUBLIC OR PRIVATE, PRIOR TO THE START OF CONSTRUCTION.
 ALL WORK MUST BE PERFORMED WITHIN EXISTING R/W
 CONTRACTOR IS TO NOTE THAT THERE IS AN EXISTING GAS SERVICE FOR EACH HOME ALONG THE LENGTH OF THE PROJECT. THE EXACT LOCATIONS OF THESE GAS SERVICES IS TO BE VERIFIED PRIOR TO CONSTRUCTION.
 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGE WHICH OCCURS TO EXISTING FACILITIES, STRUCTURES, UTILITIES, AND THEIR APPURTENANCES THAT ARE SCHEDULED TO CONTINUE SERVICE WHETHER SHOWN ON THE PLANS OR NOT.



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| Designed By: | A. KAPRKE |
| Drawn By: | R. LINTCH |
| Checked By: | C. ROWLAND |
| Approved By: | C. ROWLAND |

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| PRELIMINARY DESIGN FOR PUBLIC INFORMATIONAL MEETING | |

CLERMONT COUNTY
 WATER RESOURCES DEPARTMENT
 HARRISON DRIVE WATER PETITION
 PROJECT # 6401-60245

| | |
|-------------|------------|
| PLAN | |
| Scale: | 1"=20' |
| Date: | MARCH 2026 |
| Sheet No. | 4 |
| 6401-60245 | |