

NORTHWEST CA RESOURCE CONSERVATION & DEVELOPMENT COUNCIL

Addendum Number 3

EAST BRANCH ROAD WATER RELIABILITY AND HANSEN DITCH WATER CONSERVATION PROJECT

Plans and Specifications dated August 5th, 2021 as prepared by Northwest CA Resource Conservation & Development Council (Council) for the East Branch Road Water Reliability and Hansen Ditch Water Conservation Project are hereby clarified, amended or modified by this addendum which will be incorporated into the conditions of the contract of the specifications. This addendum shall be signed by the Contractor and submitted with the bid document.

Notice to Contractors

1.) The Special Provisions of the Technical Specifications shall be amended as follows:

SPECIAL PROVISIONS SECTION SP1 GENERAL

SP1-1 STANDARD SPECIFICATIONS

The work provided herein shall be performed in accordance with the General Conditions of these Specifications and are incorporated herein by reference for this Section and all subsequent Sections. In case of conflict between the General Conditions and the Special Provisions, the Special Provisions shall govern.

SP1-2 BUILDING CODE

All construction shall conform to the most recent editions of the pertinent codes and standards associated with the nature of the work; including but not limited to the following:

- California Building Code (CBC)
- California Plumbing Code (CPC)
- California Electrical Code (CEC)
- American Water Works Association (AWWA)
- CalTrans Standard Specifications

SP1-3 TEMPORARY CONSTRUCTION UTILITIES AND FACILITIES

SP1-3.1 Temporary Water

SP1-3.1.1

Water for pressure testing and disinfection will be provided by the contractor and be potable water.

SP1-3.1.2

Water required for controlling dust caused by the Contractor's operations shall be applied as required at the Contractor's expense.

SP1-3.2 Sanitary facilities

The Contractor shall provide a chemical toilet of suitable type at all work areas and maintain the facilities in a sanitary condition at all times. The chemical toilet shall be of watertight construction so that no contamination of the area can result from its use. The facility shall conform to code requirements and be acceptable to the sanitary authorities. Upon completion of the work, the sanitary facility shall be removed and the area restored to its original condition.

SP1-3.3 Discharge of Water

The chlorinated water used in disinfection will be dechlorinated (using an Agency and District approved dechlorination agent) by the Contractor.

SP1-4 NOT USED

SP1-5 SUBMITTAL LIST

SP1-5.1 Submittals

The intent of this section is to serve as a checklist for required shop drawings and submittals. These shop drawings and submittals may be requested in detail in other areas of the Standard Specifications, Technical Provisions, or Special Provisions. Exclusion from the following list does not relieve the Contractor of submitting the required submittal or shop drawing. All submittals shall highlight, arrow, circle, or otherwise identify the specific size, model, or material proposed.

- Construction Schedule;
- Pipe, joints, gaskets, and fittings;
- Control equipment including (but not limited to) valves, gauges, meters, and appurtenances;
- Roadway materials including (but not limited to) aggregate, etc;
- Water Services including (but not limited to) meters, tubing, stops saddles, and fittings
- Water meter valve and vault
- Construction progress schedules;
- System start-up and testing plans;
- All warranties on equipment and workmanship;
- As-built drawings.

SP1-6 MEASUREMENT AND PAYMENT

1 – MOBILIZATION

When invoices, not including the amount earned for mobilization, are 5 percent or more of the original contract amount, 50 percent of the contract item price for mobilization shall be included in said invoice.

When invoices of the amount earned, not including the amount earned for mobilization, are 50 percent or more of the original contract amount, the total amount earned for mobilization shall be 100% of the contract item price for mobilization and said amount shall be included in said invoice.

The contract lump sum price paid for mobilization shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals associated with moving all necessary equipment that will be required for the first month of operation onto the job site; establishment of storage areas for contractor’s use, as necessary; provision of temporary power and lighting, as necessary; establishment of temporary on-site sanitation facilities; and implementation of Best Management Practices to protect surface waters from run-off originating at the construction site throughout all phases of construction.

No adjustment shall be made to the original lump sum item price for mobilization. If other contract items are adjusted, and if the costs applicable to such work includes mobilization cost, such mobilization will be deemed to have been recovered by the payments made for mobilization and will be excluded from consideration in determining compensation.

The retention provisions contained in this contract shall apply to the lump sum item price of mobilization.

2 – POTHOLE FOR EXISTING UTILITIES

EA

Measurement and payment for Potholing for Existing Utilities shall be on a lump sum basis. The contract price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete all work involved in potholing for existing utilities as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the.

3 – 6-INCH C900 OR CONTINUOUS HDPE WATER MAIN

LF

Measurement and payment for 6-inch C900 PVC Water Main or 6” HDPE pipe shall be on a per lineal foot basis. The contract price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete all work involved in locating existing utilities along water main alignment; trenching; subgrade preparation; water main installation including fittings, couplings, and all appurtenances; backfill material and placement if necessary; necessary shoring and trench protection; compaction; compaction testing; saw cutting; chip seal replacement;; excavated soil disposal and related work necessary for installing the 6-inch C900 (or accepted alternative) PVC water main as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency. During construction Contractor is required as much as possible to maintain one-way traffic. Each day the road is required to be open to one-way traffic from 7:45am-8:15 am, 12 -12:30 pm and 5:00 to 5:30pm. Agency may adjust road opening times to better accommodate landowner schedules and will notify Contractor in writing.

4 – MAINLINE GATE VALVES

EA

Measurement and payment for the Mainline Gate Valves shall be based on the unit quantity. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installing the mainline gate valves and boxes as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency. Note that gate valves required for hydrants, blow-offs, and pressure reducing valve assemblies are paid for under separate bid items.

5 – COMBINATION AIR\VACUUM VALVES

EA

Measurement and payment for the Combination Air\Vacuum Valves shall be based on unit quantity. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installing the combination air\vacuum valve assemblies as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency.

6 – WATER SERVICE WITH METER BOX AND CONNECTION TO EXISTING WATER

- SYSTEM EA
Measurement and payment for the Water Service with Meter Box and Connection To Existing Water System connection shall be on a per each basis. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installing the water service connection as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency. Extent and components of individual water service stated on Plans. Locations of Meters will be staked in the field by Agency.
- 7 - INSTALLATION OF BACKFLOW PREVENTER WITH ENCLOSURE EA
Measurement and payment for the Installation of Backflow Preventer with Enclosure shall be on a per each basis. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installing the Backflow Preventer as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency. Water services that require backflow preventers are shown on the Plans.
- 8 INSTALLATION OF LATERAL WITH METER BOX AND NO CONNECTION EA
TO EXISTING WATER SYSTEM
Measurement and payment for the Installation of Lateral with Meter Box and No Connection to Existing Water System shall be on a per each basis. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installing the above item as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency.
- 9 – INSTALLATION OF WATER SERVICE LATERAL WITH EMPTY METER BOX EA
AND CAPPED SERVICE LATERAL
Measurement and payment for the Installation of Water Service Laterals with Empty Meter Box and Capped Service Lateral shall be on a per each basis. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installation of the above item as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency. Water services that have only a capped lateral in a meter box are shown on the Plans.
- 10 – CONNECTION TO EXISTING 8” WATER MAIN LS
Measurement and payment for the Connection to the Existing 8” Water Main shall be based on the unit quantity. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for connecting the new 6” water main to the existing 8” water main as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency. Connection to existing 8” main will require complying with the encroachment permit from Trinity County Department of Transportation. The encroachment permit requires sand cement slurry trench backfill with asphalt patch
- 11 - HYDROSTATIC TESTING AND DISINFECTANT LS
Measurement and payment for the Hydrostatic Testing and Disinfection shall be on a lump sum basis. The contract price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete hydrostatic testing and disinfection water main of the piping, valves, and all equipment in contact with potable water; and de-chlorination and flushing of the main as required by the Plans,

the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency

12 – SITE CLEAN-UP AND PROJECT CLOSE-OUT

LS

Measurement and payment for Site Clean-up and Project Close-out shall be on a lump sum basis. The contract price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to clean-up the site to pre-construction condition and to close-out the project as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency.

13 – FIRE HYDRANTS

EA

Measurement and payment for Fire Hydrants shall be based on the unit quantity. The contract price includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary for installing the tee fitting, gate valve, hydrant lateral, hydrant, and appurtenances as required by the Plans, the General Conditions, these Special Provisions, the Technical Specifications, and as directed by the Agency.

SP1-7 COMPLIANCE WITH PERMITS AND AGREEMENTS

Contractor shall comply with the following permits and agreements:

Trinity County Encroachment Permit

All other permits, agreements, and requirements referenced by or contained in the Contract Documents.

SP1-8 NOISE

(See Exhibit B of Agreement)

SP1-9 WORK AREA RESTRICTIONS AT INSTALLATION SITE

9-1 Agency Access

The Contractor shall provide proper facilities for access to the site and permit inspection of any part of the project site by the Agency, its consultants and its agents. The Contractor shall not restrict Agency access to existing facilities.

9-2 Concurrent Work During the Contract Period (by Others)

During the contract period, the Agency may have its personnel or other contractors or agencies performing work on the site. Contractor shall afford these other parties reasonable opportunity for the introduction and storage of materials and equipment and the execution of work, and shall properly conduct and coordinate work with others.

Residential Access -During construction Contractor is required as much as possible to maintain one-way traffic. Each day the road is - required to be open to one-way traffic from 7:45-8:15 am, 12 -12:30 pm and 5:00 to 5:30.

SP1-10 COORDINATION AND INTERPRETATION OF SPECIFICATIONS AND DRAWINGS

The General Conditions, Agreement, Technical Provisions, Plans, Shop Drawings, Contract Change Orders, addenda and all other supplementary documents are essential parts of the Contract Documents, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complimentary and to describe a complete work. In case of conflict, the following shall be the rules of interpretation:

- A. The Agency's Agreement shall govern over the General Conditions and Supplemental Conditions.
- B. Plans shall govern over the General Conditions.
- C. The Technical Provisions shall govern over both the General Conditions and the Plans.
- D. The Supplementary Conditions shall govern over the Technical Provisions, the General Conditions and the Plans.
- E. Detail or shop drawings shall govern over general drawings.
- F. Figures written on drawings shall govern over the drawings themselves. Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in the Contract Documents, Contractor shall apply in writing to the Agency for such further explanations as may be necessary and shall conform to them as part of the Contract Documents.

SP1-11 SAFETY EQUIPMENT

All personnel, when on the project site, shall wear hard hats. Additionally, all personnel will be required to wear shirts, full length pants and shoes. The Contractor is responsible for providing all safety equipment necessary and required for the work in accordance with Cal-OSHA Safety Standards.

2.) Section 15510 shall be added to the Technical Provisions of the Technical Specifications and read as follows:

SECTION 15510
FIRE HYDRANTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Dry-barrel fire hydrant.
- B. Related Sections include but are not necessarily limited to:
 - 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract
 - 2. Division 1 - General Requirements
 - 3. Section 09905 - Painting and Protective Coatings
 - 4. Section 15060 - Pipe and Pipe Fittings: Basic Requirements

1.2 QUALITY ASSURANCE

- A. Referenced Standards:
 - 1. American Waterworks Association (AWWA):
 - a. C502, Dry-Barrel Fire Hydrant.
 - b. M17, Installation, Operation and Maintenance of Fire Hydrants.

1.3 SUBMITTALS

- A. Shop Drawings:
 - 1. See Section 01330.
 - 2. Product technical data:
 - a. Acknowledgement that products submitted meet the requirements of the standards referenced.
 - b. Manufacturer's installation instructions.
 - c. Acknowledge and verify dimensions and provide list of integral parts and materials.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
 - 1. Mueller or Clow dry barrel 6-inch, or approved equal.
 - 2. No other allowed.

2.2 FIRE HYDRANT

- A. Design and Fabrication:
1. Conform to AWWA C502.
 2. Provide with either compression or gate design.
 3. Provide with a 6 IN valve opening, nozzle section consisting of two 2-1/2 IN hose nozzles and one 4 IN nozzle.
 4. Provide with water passages to permit full flow of water to minimize friction loss.
 5. Furnish with multiple weep holes for positive draining to allow water to escape readily from standpipe when hydrant valve is closed.
 6. Designed to throttle flow when partially opened.
 7. Designed to allow removal of valve and valve stem without digging up hydrant.
 8. Suitable for 5 FT of bury.
 9. Furnish with mechanical joint inlet connections.
 10. Design to break off at ground line when struck by a vehicle.
 11. Furnish with O-ring packing only.
 12. Furnish with direction of 4 IN opening towards street with direction of opening cast on dome.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install hydrants at locations indicated in accordance with AWWA M17 and the following:
1. Remove foreign material from barrel of hydrant before placement.
 2. Install plumb and at same elevation as connecting pipe and main.
 3. Place each hydrant on a slab of concrete not less than 6 IN thick and 18 IN SQ.
 4. Block backside of hydrant, opposite pipe connection, with concrete firmly wedged between hydrant and vertical face of undisturbed trench.
 5. Place granular bedding material around base of hydrant to the dimensions shown in the Drawings.
 6. Firmly tamp carefully compacted backfill around hydrant to surface of ground and to a distance of 5 FT in front of hydrant.

3.2 COATINGS AND FINISHES

- A. Provide hydrant with below grade and above grade coatings.
1. Paint above grade with red color conforming to the requirements of the local Fire Department.

3.) The Bid Schedule in the Bidding Documents shall be amended to read as follows:

BID SCHEDULE

| All labor, material, equipment and service necessary for construction will be furnished in accordance with the approved plans and specifications attached hereto or referred herein for price applicable of each item given below. | | | | | |
|--|---|------|----------|-----------------|-------|
| # | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE (\$) | TOTAL |
| 1 | MOBILIZATION/DEMOBILIZATION | LS | 1 | | |
| 2 | POTHOLE EXISTING UTILITIES | EA | 7 | | |
| 3 | INSTALLATION OF 6" C900 OR CONTINUOUS HDPE PIPE | L.F. | 2,100 | | |
| 4 | MAINLINE GATE VALVES | EA | 1 | | |
| 5 | 1" AIR VACUUM RELEASE VALVE AND VAULT | EA | 1 | | |
| 6 | WATER SERVICE WITH METER BOX AND CONNECTION TO EXISTING WATER SYSTEM | EA | 5 | | |
| 7 | INSTALLATION OF BACKFLOW PREVENTER WITH ENCLOSURE | EA | 3 | | |
| 8 | INSTALLATION OF LATERAL WITH METER BOX AND NO CONNECTION TO EXISTING WATER SYSTEM | EA | 2 | | |
| 9 | INSTALLATION OF WATER SERVICE LATERAL WITH EMPTY METER BOX AND CAPPED SERVICE LATERAL | EA | 2 | | |
| 10 | CONNECTION TO EXISTING 8" WATER MAIN | LS | 1 | | |
| 11 | HYDROSTATIC TESTING AND DISINFECTION | LS | 1 | | |
| 12 | CLEAN UP AND PROJECT CLOSE OUT | LS | 1 | | |
| 13 | FIRE HYDRANTS | EA | 2 | | |

TOTAL BID AMOUNT: \$ _____

Written In Words: _____

Bidder acknowledges receipt of Addenda numbers __through__ and that the requirements defined in the Addenda are included in the above bid prices.

Signature of Bidder: _____

4.) Questions and Clarifications that occurred during the site walk on August 18th, 2021.

Question: What size is the lateral line from the main to the 291 and 361 East Branch Rd (ebrd) meter boxes since it services two meter boxes?

Answer: The tap connection from the main to the meter box's of 291 ebrd will be a 2" line and split into two 3/4" lines to service the meter boxes for 291 Ebrd and 361Ebrd. Sheet C-1.4 of the attached drawings has been updated to show this information.

Question: Will the Northwest RC&D Council (Agency) provide traffic control during the project?

Answer: Yes

Question: For meter boxes that say empty box with capped lateral on the drawings does that mean the lateral will have a valve at the end?

Answer: Yes

Question: Will the Weaverville community services district be participating in the inspection during construction?

Question: Yes they will. They will also oversee the pressure testing and assist with the disinfection and biological testing.

Other questions that require landowner input will be answered in subsequent addendums after we have been able to discuss it with them.

5.) Modifications to attached design drawing set.

Sheet C-1.3 has been updated to show new fire hydrant connection.

Sheet C-1.4 has been updated to show second new fire hydrant connection at the end of the pipeline and to clarify lateral size for service line to 291 and 361 ebrd meter boxes.

Sheet C-2.0 has been updated to provide a fire hydrant detail (Detail 10).

Mind Manta

Assistant Engineer
Five Counties Salmonid Conservation
Program
Northwest CA RC &D Council

Signature

Date

Name of Company

Print Signer's Name & Position

EAST BRANCH ROAD WATER RELIABILITY AND HANSEN DITCH WATER CONSERVATION PROJECT

EAST BRANCH RD
WEAVERVILLE, CA

5 COUNTIES SALMONID
CONSERVATION PROGRAM

40 Horseshoe Lane,
Weaverville, CA
(530) 623-3967
www.5counties.org



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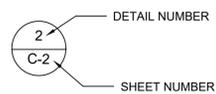
EAST BRANCH ROAD WATER RELIABILITY
AND HANSEN DITCH WATER
CONSERVATION PROJECT
EAST BRANCH RD
WEAVERVILLE, CA 96093

LEGEND

| | |
|----|------------------|
| SD | STORM DRAINAGE |
| W | WATER SERVICE |
| G | GAS |
| S | SANITARY SEWER |
| E | POWER ELECTRICAL |
| | DITCH / FLOWLINE |
| | GRADING LIMIT |
| | GRADE SLOPE |
| | PROPERTY LINE |
| | CENTERLINE |
| | SAWCUT |

STANDARD ABBREVIATIONS

| | | | |
|------|-----------------------|-----|--------------------------|
| AC | ASPHALTIC CONCRETE | IE | INVERT ELEVATION |
| BLDG | BUILDING | INV | INVERT |
| BCR | BEGIN CURB RETURN | LA | LANDSCAPE AREA |
| BVC | BEGIN VERTICAL CURVE | NG | NATURAL GRADE |
| BW | BOTTOM OF WALL | PA | PLANTER AREA |
| CB | CATCH BASIN | PCC | PORTLAND CEMENT CONCRETE |
| C/L | CENTERLINE | P/L | PROPERTY LINE |
| CMU | CONCRETE MASONRY UNIT | POC | POINT OF CONNECTION |
| CONC | CONCRETE | PS | PARKING STRIPE |
| DW | DRIVEWAY | PVC | POLYVINYL CHLORIDE |
| ECR | END CURB RETURN | RW | RIGHT OF WAY |
| EG | EXISTING GRADE | SD | STORM DRAIN |
| EP | EDGE OF PAVEMENT | SG | SUB-GRADE ELEVATION |
| EVC | END VERTICAL CURVE | SS | SANITARY SEWER |
| FF | FINISHED FLOOR | TC | TOP OF CURB, CONCRETE |
| FG | FINISHED GRADE | TF | TOP OF FOOTING |
| FH | FIRE HYDRANT | TG | TOP OF GRATE |
| FL | FLOW LINE | TW | TOP OF WALL |
| FS | FINISHED SURFACE | VC | VERTICAL CURVE |
| GB | GRADE BREAK | | |



VICINITY MAP



UTILITY PURVEYORS

| | |
|---------------------|--|
| ELECTRICITY: | TRINITY PUBLIC UTILITIES DISTRICT 26 PONDEROSA LN WEAVERVILLE, CA 96093 (530) 623 - 5536 |
| PROPANE: | CAMPORA PROPANE SERVICES 1766 MAIN ST. WEAVERVILLE, CA 96093 (530) 623 - 2372 |
| TELEPHONE: | FRONTIER COMMUNICATIONS 9415 DESCHUTES RD, PALO CEDRO CA 96073 (530) 739-8215 |
| WATER: | WEAVERVILLE COMMUNITY SERVICES DISTRICT (WCSD) 716 MAIN ST. WEAVERVILLE, CA 96093 (530) 623 -5051 |

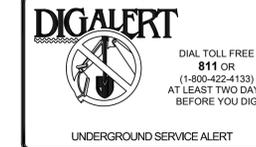
SURVEY NOTES

EXISTING TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON
BENCHMARK: (CONTROL POINT 11, UPSTREAM OF 191 DRIVEWAY ON LEFT SIDE OF ROAD HEADING UPSTREAM. MARKED WITH REBAR AND FLAGGING.)

SURVEY MONUMENT PROTECTION:

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. DO NOT DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE AUTHORITY HAVING JURISDICTION, PURSUANT TO ALL APPLICABLE BUSINESS AND PROFESSIONAL CODES.

DIG ALERT



PRIOR TO COMMENCING OF ANY EXCAVATION, DIGGING, POT HOLING, ETC. CALL DIG ALERT FOR ASSIGNMENT OF AN INQUIRY ID NUMBER, BECAUSE NO EARTH WORK SHALL COMMENCE UNLESS THE CONTRACTOR HAS OBTAINED THIS AND EACH UTILITY OR OWNER OF SUBSURFACE FACILITIES HAS LOCATED AND MARKED THEIR SUBSURFACE FACILITIES IN THE AREA OF WORK.

SHEET INDEX

| SHEET | SHEET TITLE |
|-------|--|
| C-0.1 | TITLE SHEET |
| C-0.2 | NOTES SHEET |
| C-1.0 | OVERALL SITE AND UTILITY PLAN |
| C-1.1 | EAST BRANCH PLAN AND PROFILE 00+00 - 05+00 |
| C-1.2 | EAST BRANCH PLAN AND PROFILE 05+00 - 10+00 |
| C-1.3 | EAST BRANCH PLAN AND PROFILE 10+00 - 15+50 |
| C-1.4 | EAST BRANCH PLAN AND PROFILE 15+50 - 21+20 |
| C-2.0 | DETAILS SHEET |
| C-3.0 | EXHIBIT A |

Revisions:

| | |
|---|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

Project Engineer: MM Ext: ---
Project Manager: ML
Date: 6/9/2021 Scale: PER PLAN
Sheet Size: 24" x 36"

TITLE SHEET

C-0.1

| A | B | C | D | E | F | G | H | I |
|---|---|---|---|--|---|---|---|---|
| GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WEAVERVILLE COMMUNITY SERVICES DISTRICT. 2. IN THE EVENT OF A CONFLICT BETWEEN ANY REFERENCED STANDARD, THE MORE STRINGENT REQUIREMENT SHALL GOVERN. 3. STORMWATER POLLUTION PREVENTION REQUIREMENTS PER TRINITY COUNTY REQUIREMENTS. 4. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. 5. BEFORE BEGINNING WORK, CONTRACTOR SHALL CONFIRM WITH AGENCIES HAVING JURISDICTION THAT ALL REQUIRED PERMITS AND LICENSES HAVE BEEN OBTAINED AND ALL REQUIRED NOTICES GIVEN. 6. UNDERGROUND AND OVERHEAD CONSTRUCTION IN ADDITION TO WHAT IS SHOWN ON THESE PLANS MAY BE PART OF THIS PROJECT, INCLUDING ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL IMPROVEMENTS. ADDITIONAL PERMITS MAY BE REQUIRED. 7. A CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK AND INTERFACING IMPROVEMENTS WITH WORK BY OTHER CONTRACTORS AT THIS JOB SITE AND WITH IMPROVEMENTS REQUIRED BY PLANS BY OTHERS. 8. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF THE STATE'S DIVISION OF INDUSTRIAL SAFETY AND OSHA. 9. ALL UNSUITABLE CONSTRUCTION MATERIALS AND RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE, TRANSPORTED TO A SUITABLE LOCATION, AND DISPOSED OF IN A PROPER AND LEGAL MANNER. 10. ALL WORK INVOLVING EXCAVATION, INCLUDING THAT FOR WATER, SEWER, STORM DRAIN AND UTILITY CONDUITS AND ALL SERVICE CONNECTIONS AND METER BOXES SHALL BE COMPLETED AND OBSERVED AND APPROVED BY THE AGENCY HAVING JURISDICTION AND THE STRUCTURAL BACKFILL OBSERVED AND TESTED FOR COMPACTION BEFORE OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE. 11. BEFORE COMMENCING EXCAVATION, CONTRACTOR SHALL CONTACT PUBLIC WORKS AND UTILITY COMPANIES OR OTHER OWNERS OF SUBSURFACE FACILITIES WITHIN THE WORK SITE AND SHALL VERIFY WHETHER OR NOT A REPRESENTATIVE WILL BE PRESENT BEFORE AND/OR DURING EXCAVATION, AND SHALL DETERMINE SITE SPECIFIC REQUIREMENTS FOR EXCAVATION. 12. CONTRACTOR SHALL NOTIFY PUBLIC WORKS, BUILDING AND SAFETY, UTILITY COMPANIES, AND ENGINEER OF RECORD, AT LEAST 48 HOURS BEFORE START OF ANY CONSTRUCTION AND OF THE TIME AND LOCATION OF PRE-CONSTRUCTION CONFERENCE, AND SHALL DETERMINE FROM EACH PARTY THEIR SCOPE OF WORK TO BE OBSERVED AND BY WHOM, AND SCOPE OF TESTING. DURING THE COURSE OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. WORK NOT OBSERVED AND TESTED WILL BE SUBJECT TO REJECTION. 13. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING, AND/OR OTHER PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TEMPORARY EXCAVATIONS AND EMBANKMENTS AND TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS. TEMPORARY IMPROVEMENTS, AND PARTIALLY COMPLETED PORTIONS OF THE WORK, CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUFFICIENCY OF SUCH SUPPORTS AND/OR OTHER PROTECTION PER ALL REQUIREMENTS OF THE STATE'S DIVISION OF INDUSTRIAL SAFETY AND OSHA. 14. CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION BY TELEPHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS AND SPECIFICATIONS. 15. CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN ON THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION OF RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL DELIVER THIS RECORD OF ALL CONSTRUCTION CHANGES TO ENGINEER ALONG WITH A LETTER WHICH DECLARES THAT, OTHER THAN THESE NOTED CHANGES, THE PROJECT WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. WARNING: ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PREPARER. 16. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT AND ACCEPTS LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS. 17. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY. 18. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY AT OR IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS. | | TRENCHING AND BACKFILL NOTES: 1. ALL TRENCHING, BEDDING AND BACKFILL MATERIAL AND CONSTRUCTION, SHALL BE IN ACCORDANCE WITH THESE PLANS INCLUDING THE PIPE TRENCH DETAIL. 2. TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE ENGINEER PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE ENGINEER TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE ENGINEER AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE ENGINEER. 3. BEDDING AND BACKFILL MATERIAL AND COMPACTED DENSITY, SHALL BE TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS. 4. BEDDING AND PIPE ZONE BACKFILL MATERIAL, SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY. TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 80% OF MAXIMUM DENSITY. THE UPPER 12" BELOW THE BASE OR SUB-BASE COURSE IN PAVED AND OTHER TRAFFIC AREAS AND BELOW THE CONCRETE OR SAND COURSE IN WALKWAY AREAS SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY. BACKFILL COMPACTION SHALL BE TESTED FOR COMPLIANCE WITH THESE REQUIREMENTS IN ACCORDANCE WITH ASTM D-1557, LATEST REVISION, AND REPORTED BY THE GEOTECHNICAL ENGINEER. 5. CLASS I OR CLASS II (TRENCH) BACKFILL SHALL NOT BE PLACED UNTIL BEDDING AND INITIAL (PIPE ZONE) BACKFILL HAVE BEEN OBSERVED, TESTED AND APPROVED. 6. COMPACTION BY FLOODING OR JETTING IS NOT PERMITTED. 7. CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS AND CONCLUSIONS AS TO HOW EXISTING SURFACE AND SUB-SURFACE CONDITIONS WILL AFFECT OR BE AFFECTED BY HIS CONSTRUCTION OPERATIONS, INCLUDING THE NATURE OF MATERIALS TO BE EXCAVATED, THE DEGREE OF DIFFICULTY ASSOCIATED WITH MAKING AND MAINTAINING THE REQUIRED EXCAVATIONS, AND THE DEGREE OF DIFFICULTY WHICH MAY ARISE FROM SUBSURFACE CONDITIONS INCLUDING GROUNDWATER, AND SHALL ACCEPT FULL RESPONSIBILITY THEREOF. 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF EXISTING PAVEMENT ALONG AND BEHIND THE TRENCH SAWCUT LINES DURING CONSTRUCTION. IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH FULL LENGTH OF, AND SUFFICIENT DISTANCE (1-FOOT MINIMUM) BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND / OR IRREGULARITY ALONG THE CONFORM LINE. 9. MEANS AND METHODS OF INSTALLING PIPELINE ARE UP TO DISCRETION OF CONTRACTOR. | | USE OF PLANS: THIS DRAWING IS PROVIDED IN AN ELECTRONIC FORMAT AS A COURTESY. IF REQUESTED BY THE USER, THE DELIVERY OF THE ELECTRONIC FILE DOES NOT CONSTITUTE THE DELIVERY OF OUR PROFESSIONAL WORK PRODUCT. THE SIGNED HARD COPY PREPARED FOR THE PROJECT CONSTITUTES OUR PROFESSIONAL WORK PRODUCT AND THE HARD COPY MUST BE REFERRED TO FOR THE CORRECT DESIGN INFORMATION. THESE PLANS HAVE BEEN PREPARED SOLELY FOR USE FOR THE PROJECT SCOPE AND SITE SPECIFICALLY IDENTIFIED HEREON AT THE TIME THESE PLANS ARE SIGNED. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, USE OF ANY PART OF THESE PLANS, INCLUDING ANY NOTE OR DETAIL, FOR ANY UNAPPROVED OR REVISED PROJECT SCOPE, OR FOR ANY OTHER PROJECT AT THIS OR ANY OTHER SITE. USER AGREES TO INDEMNIFY AND HOLD HARMLESS ASHLEY & VANCE FOR ALL COSTS AND DAMAGES IF USED. USE OF ELECTRONIC INFORMATION: ELECTRONIC INFORMATION MAY BE PROVIDED BY THE ENGINEER FOR CONVENIENCE; UNDER NO CIRCUMSTANCES SHALL DELIVERY OF ELECTRONIC FILES FOR USE BY OTHERS BE DEEMED A SALE BY THE ENGINEER AND THE ENGINEER MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL THE ENGINEER BE LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES AS A RESULT OF THE USE OR REUSE OF THE ELECTRONIC FILES BY OTHERS. ELECTRONIC INFORMATION IS INTENDED TO PROVIDE INFORMATION SUPPLEMENTAL AND SUBORDINATE TO THE CONSTRUCTION CONTRACT DOCUMENTS. LAYOUT AND CONSTRUCTION OF PROJECT ELEMENTS SHALL BE BASED ON DIMENSIONS AND INFORMATION INCLUDED ON THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS WHICH SHALL CONTROL OVER ELECTRONIC INFORMATION. USER IS RESPONSIBLE FOR CONFIRMING LOCATION OF PROPOSED IMPROVEMENTS BASED ON DIMENSIONS AND INFORMATION INCLUDED ON THE CONSTRUCTION CONTRACT DOCUMENTS. INCONSISTENCIES BETWEEN THE ELECTRONIC INFORMATION AND THE CONSTRUCTION CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION. PROJECT ELEMENTS SUCH AS MANHOLES, CATCH BASINS, UTILITY VAULTS, VALVE ASSEMBLIES, STAIRS, RAMPS, WALLS, ETC. ARE SHOWN SCHEMATICALLY IN THE ELECTRONIC INFORMATION AND CONSTRUCTION OF THESE ELEMENTS SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION NOTES AND DETAILS PRESENTED OR REFERENCED IN THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS. IMPROVEMENTS CONSTRUCTED BASED ON ELECTRONIC INFORMATION AND IN CONFLICT WITH THE DRAWING DIMENSIONS DETAILS, AND THE CONSTRUCTION CONTRACT DOCUMENTS SHALL BE REMOVED AND CONSTRUCTED IN THE PROPER LOCATION AND DIMENSIONS AT CONTRACTOR'S SOLE EXPENSE. DIGITAL DRAWINGS ARE TYPICALLY A COMPILATION OF DRAWINGS FROM A NUMBER OF SOURCES AND, AS SUCH, THERE IS INFORMATION IN THE ELECTRONIC FILE ISSUED BY THE ENGINEER THAT WAS NOT DEVELOPED BY THE ENGINEER AND IS NOT AUTHORIZED BY THE ENGINEER FOR USE BY OTHERS. ELECTRONIC INFORMATION PROVIDED BY THE ENGINEER SHALL ONLY BE APPLICABLE FOR IMPROVEMENTS DESIGNED BY THE ENGINEER AND WHICH ARE SPECIFICALLY DESIGNATED BY CONSTRUCTION NOTES AND/OR DETAILS ON THE SIGNED AND SEALED CONTRACT DOCUMENTS. IF DIGITAL FILES ARE OBTAINED WITH THE INTENT TO USE THEM FOR PROJECT STAKING, THEY SHALL ONLY BE USED BY A QUALIFIED ENGINEER OR LAND SURVEYOR. DIGITAL INFORMATION SHALL ONLY BE USED FOR STAKING HORIZONTAL LOCATION OF PROPOSED IMPROVEMENTS AFTER IT HAS BEEN CONFIRMED WITH THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS. THE DIGITAL DRAWINGS ARE NOT INTENDED TO BE USED DIRECTLY FOR CONTROL OF CONTRACTOR'S GRADING OPERATIONS WITHOUT STAKING BY ENGINEER OR LAND SURVEYOR. THE INTERSECTION OF PROPOSED CUT AND FILL SLOPES WITH EXISTING GRADE IS APPROXIMATE WHERE SHOWN ON THE DRAWINGS AND SHALL BE CONFIRMED BY FIELD STAKING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT SLOPES IN CONFORMANCE WITH THE SPECIFIED AND DETAILED REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS. | | | | |

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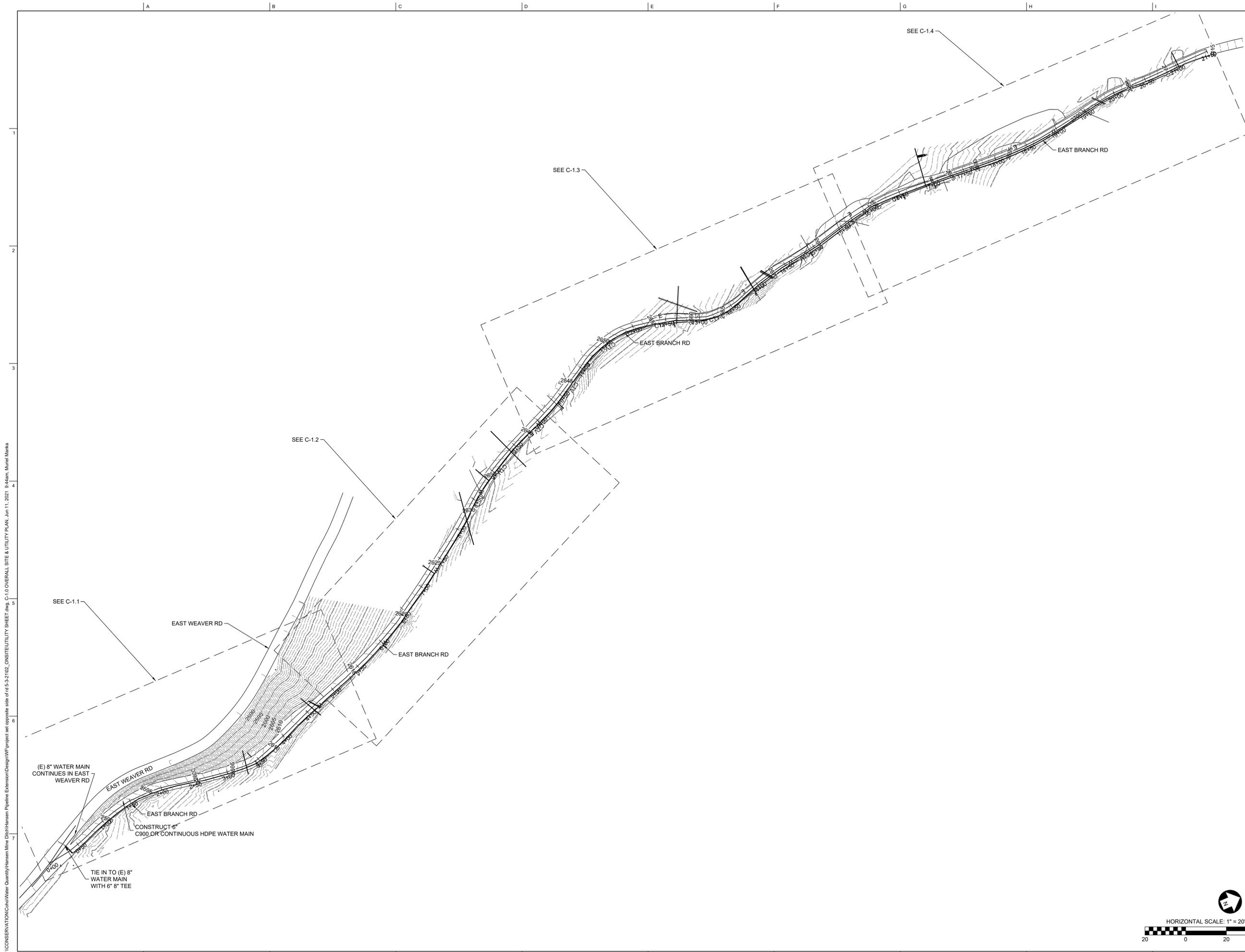
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EAST BRANCH ROAD WATER RELIABILITY AND HANSEN DITCH WATER CONSERVATION PROJECT
 EAST BRANCH RD
 WEAVERVILLE, CA 96093

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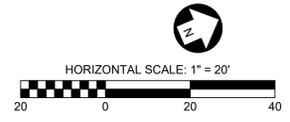
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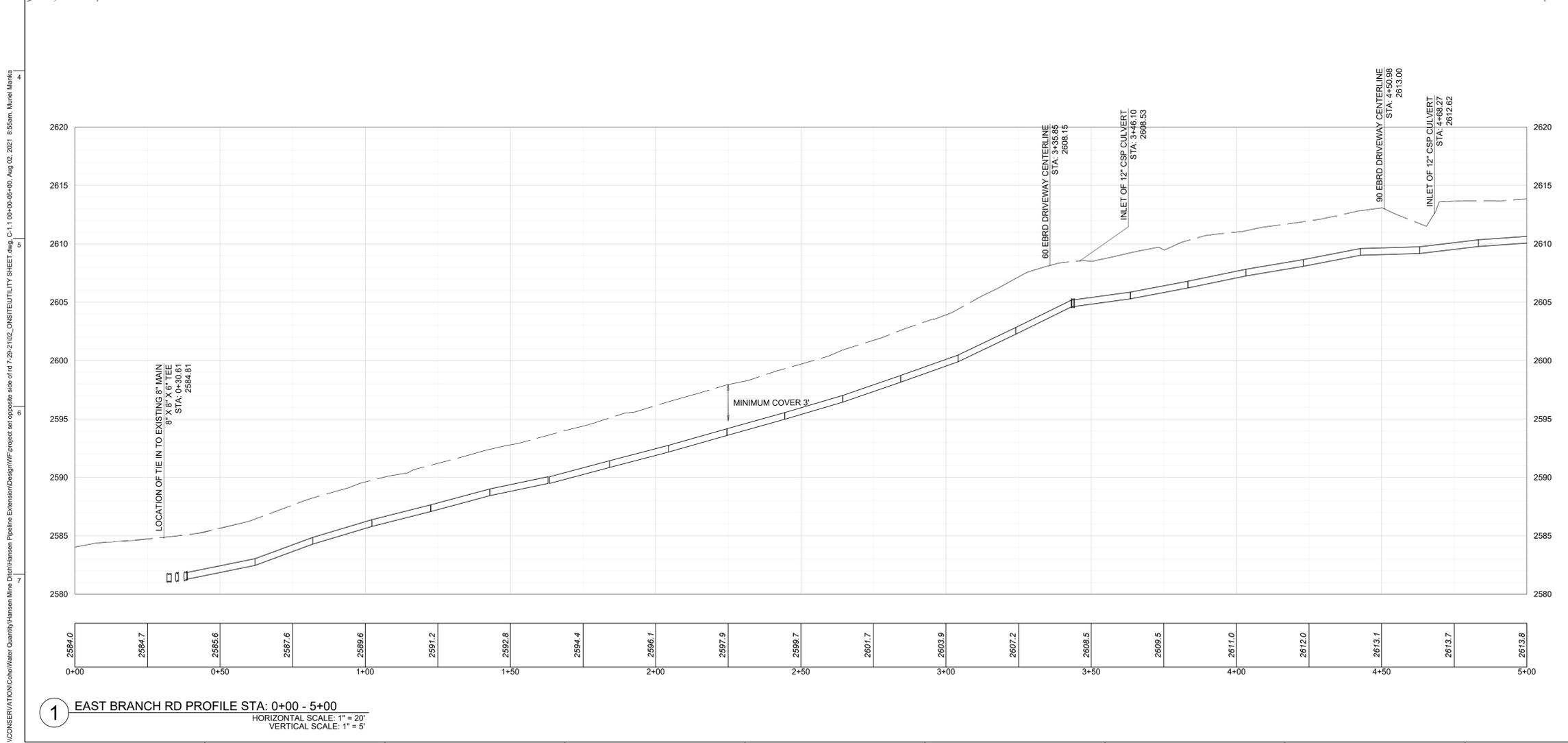
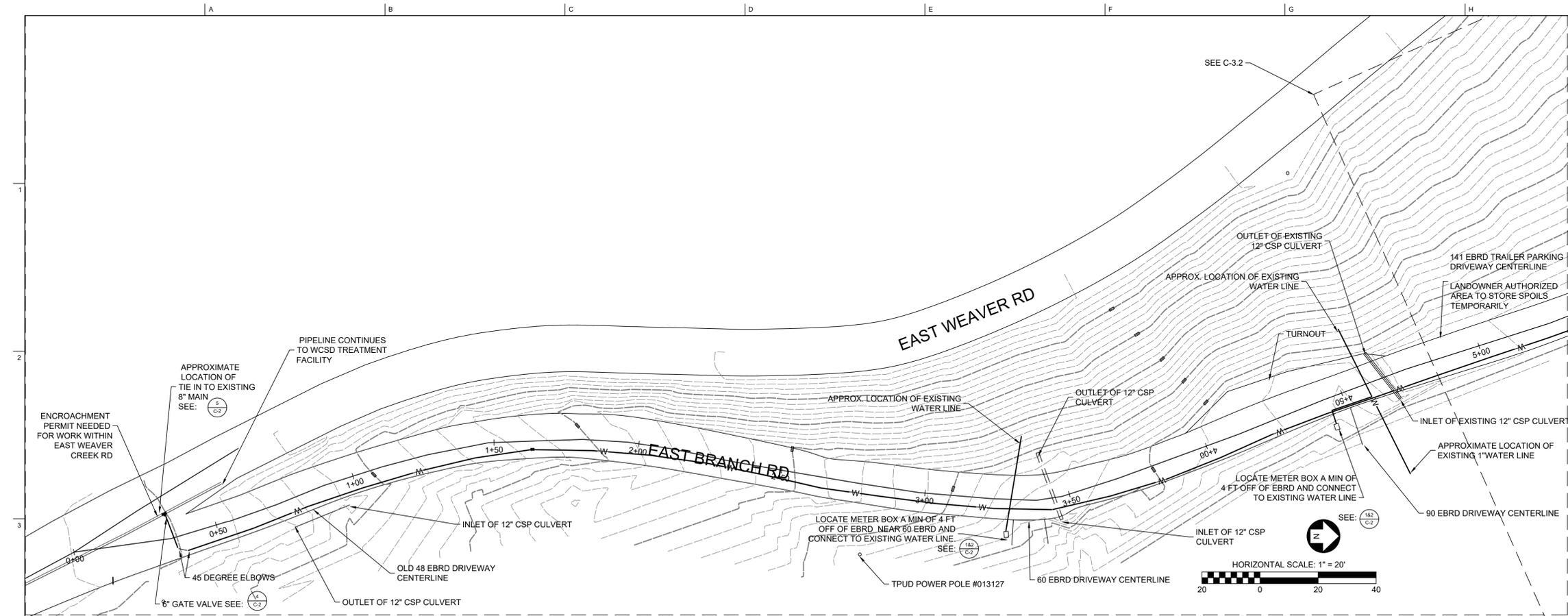
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**OVERALL SITE &
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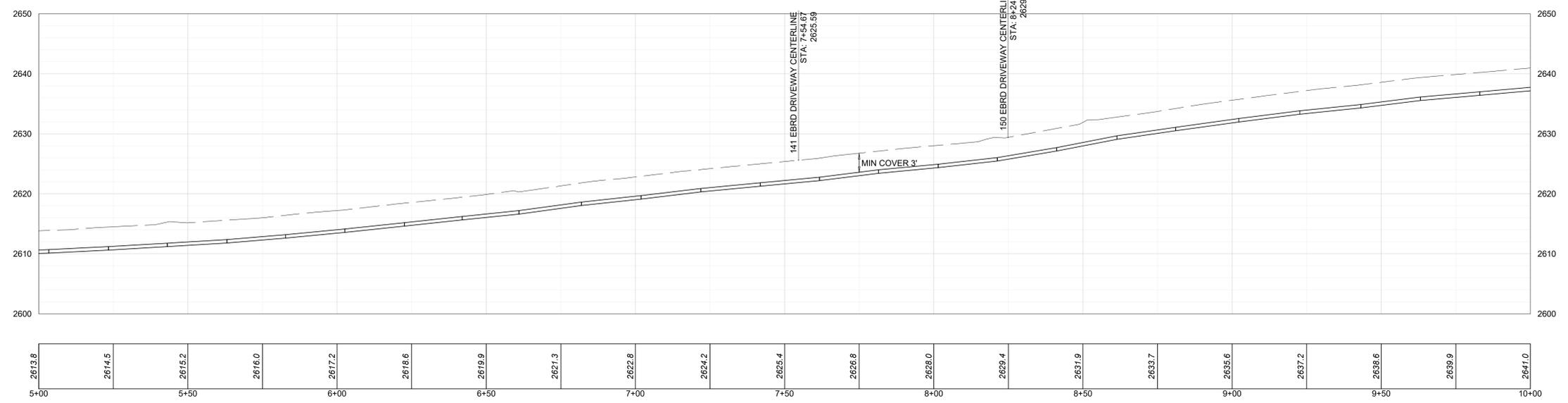
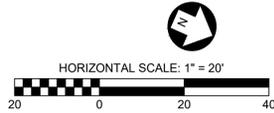
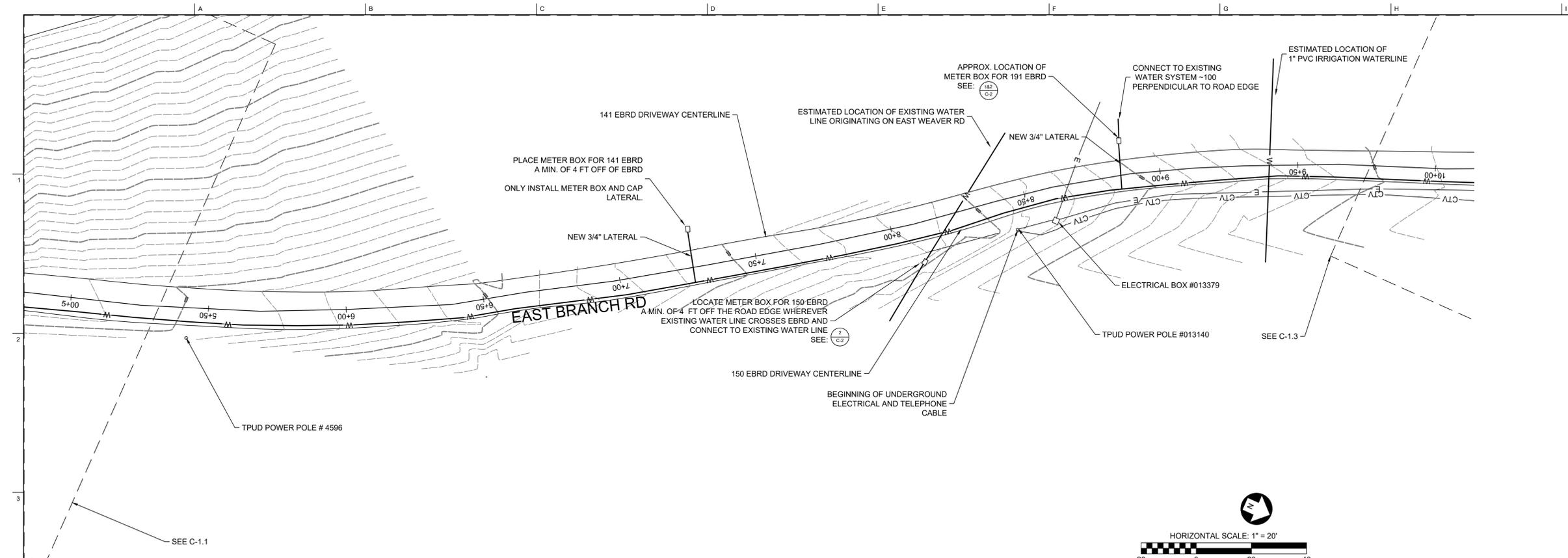
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2 EAST BRANCH RD PROFILE STA: 5+00 - 10+00
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 5'

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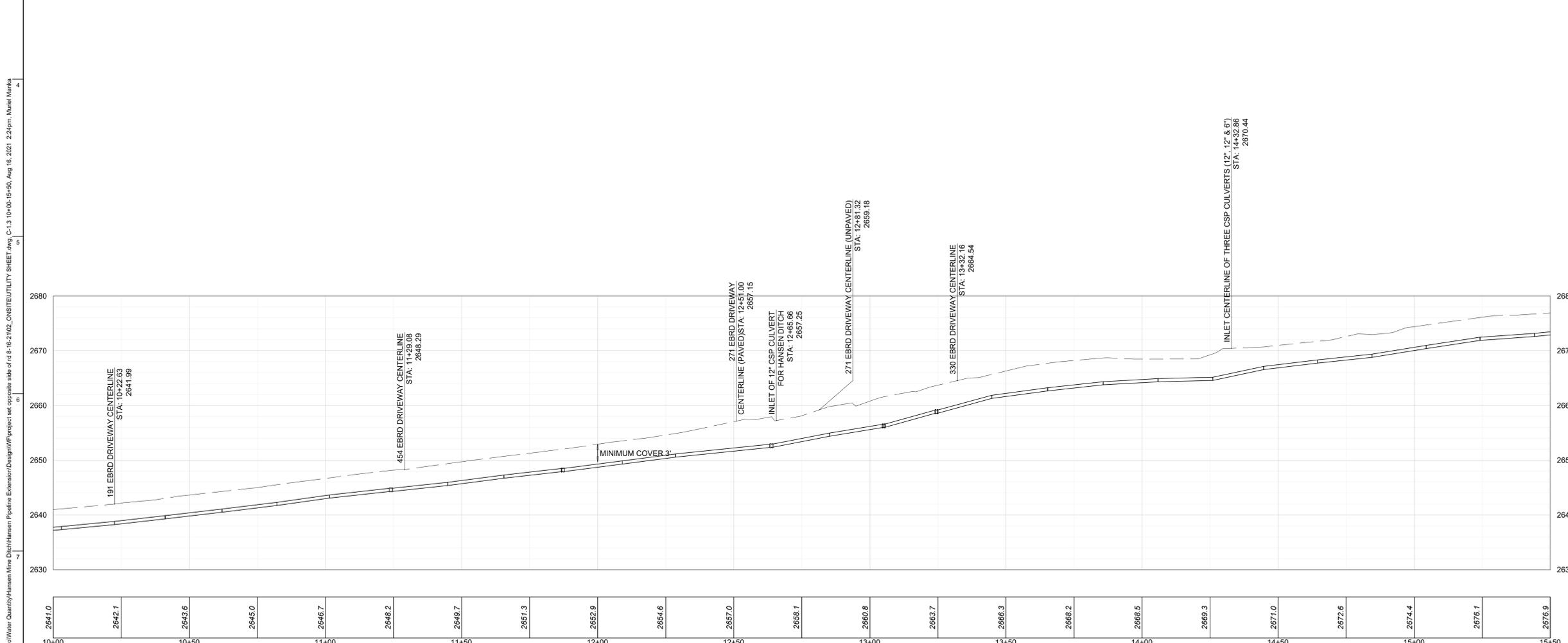
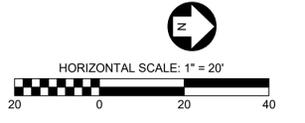
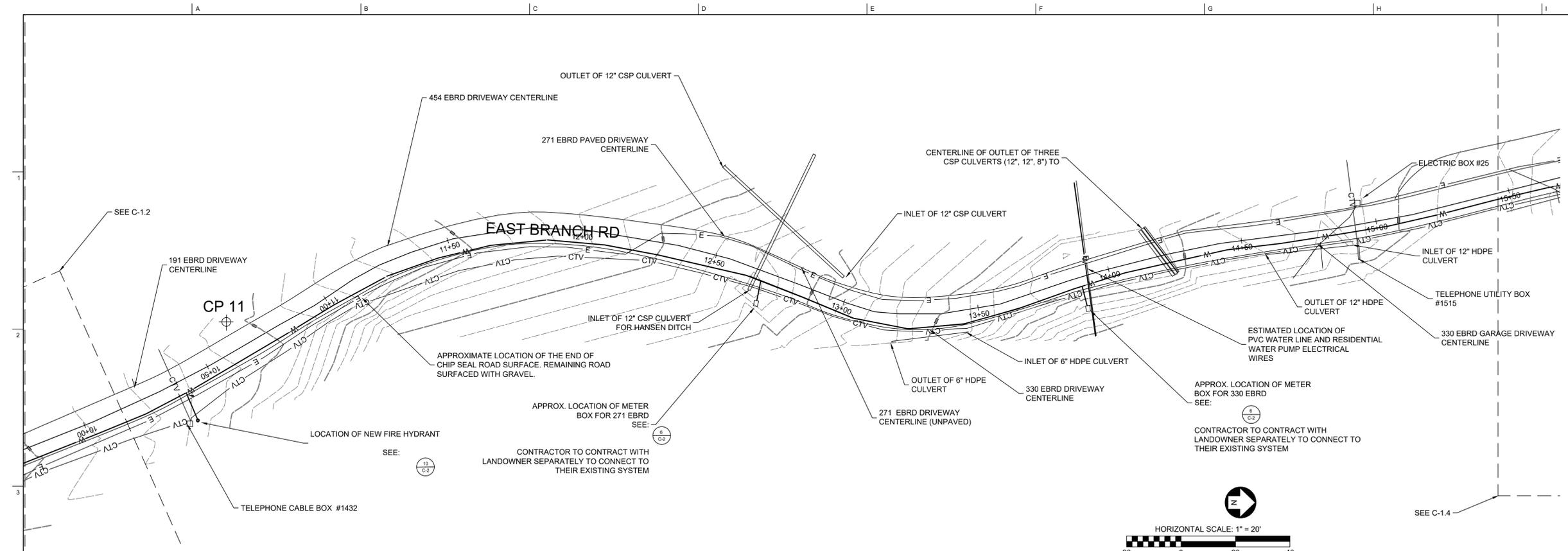
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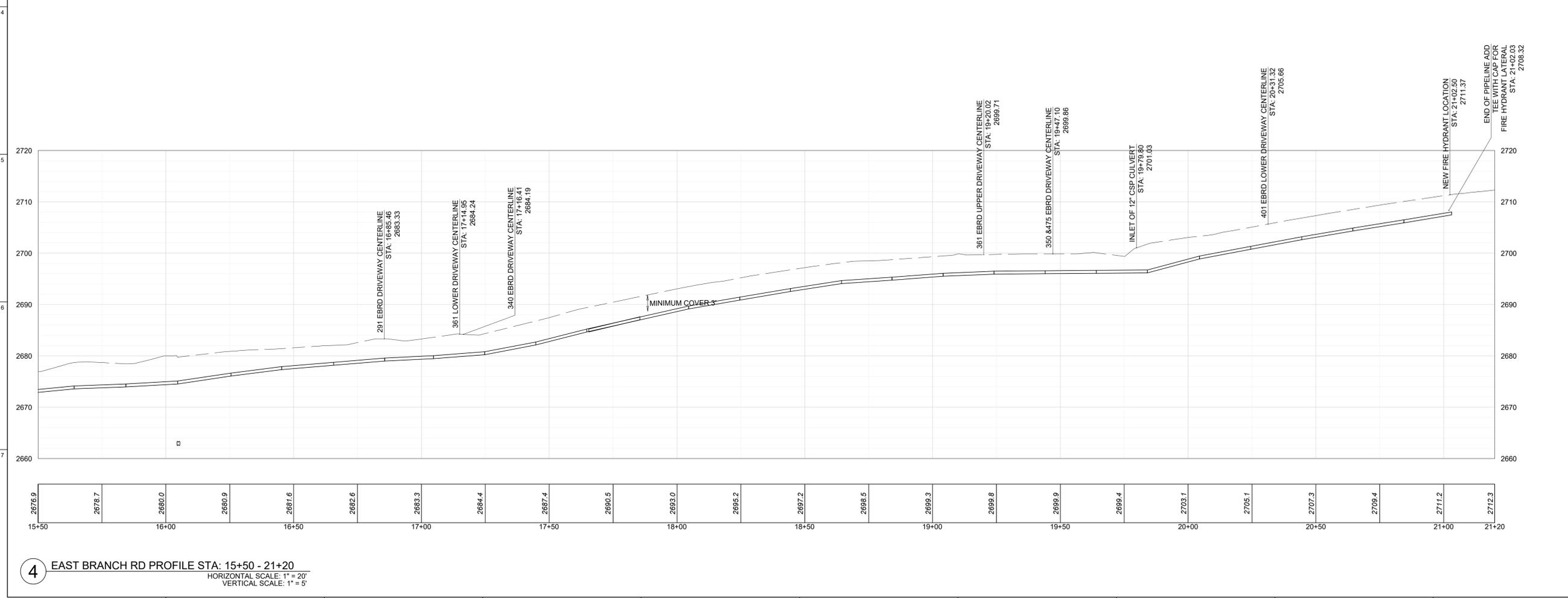
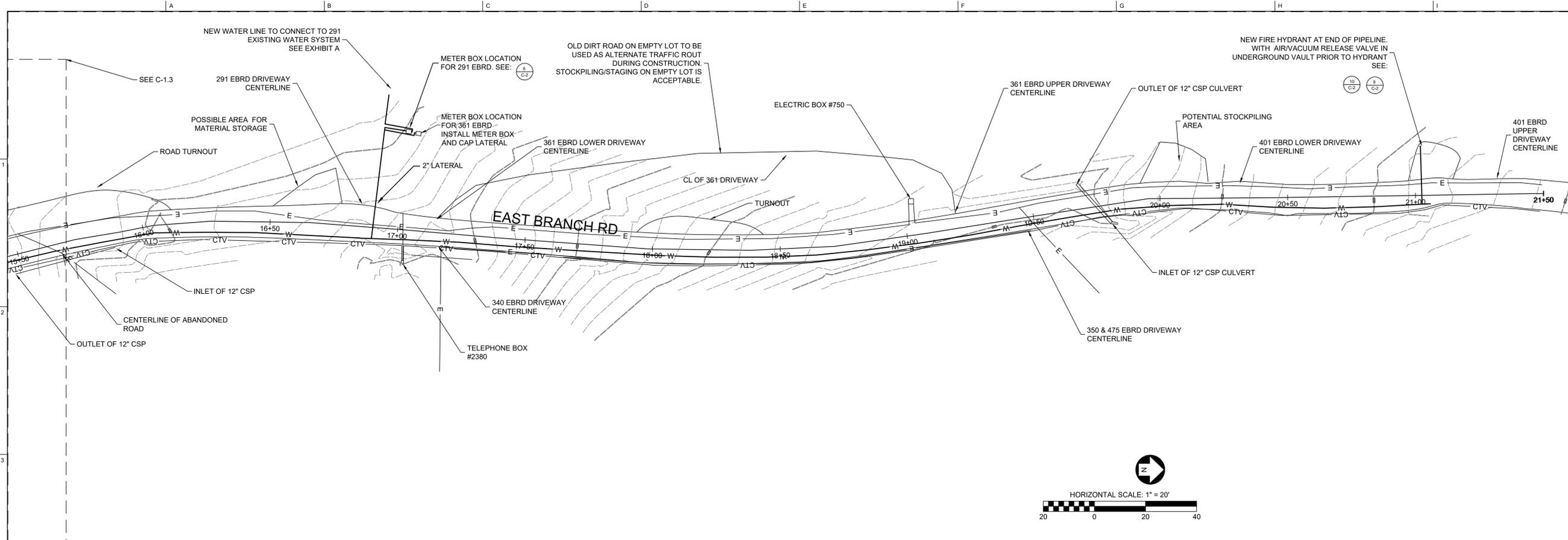
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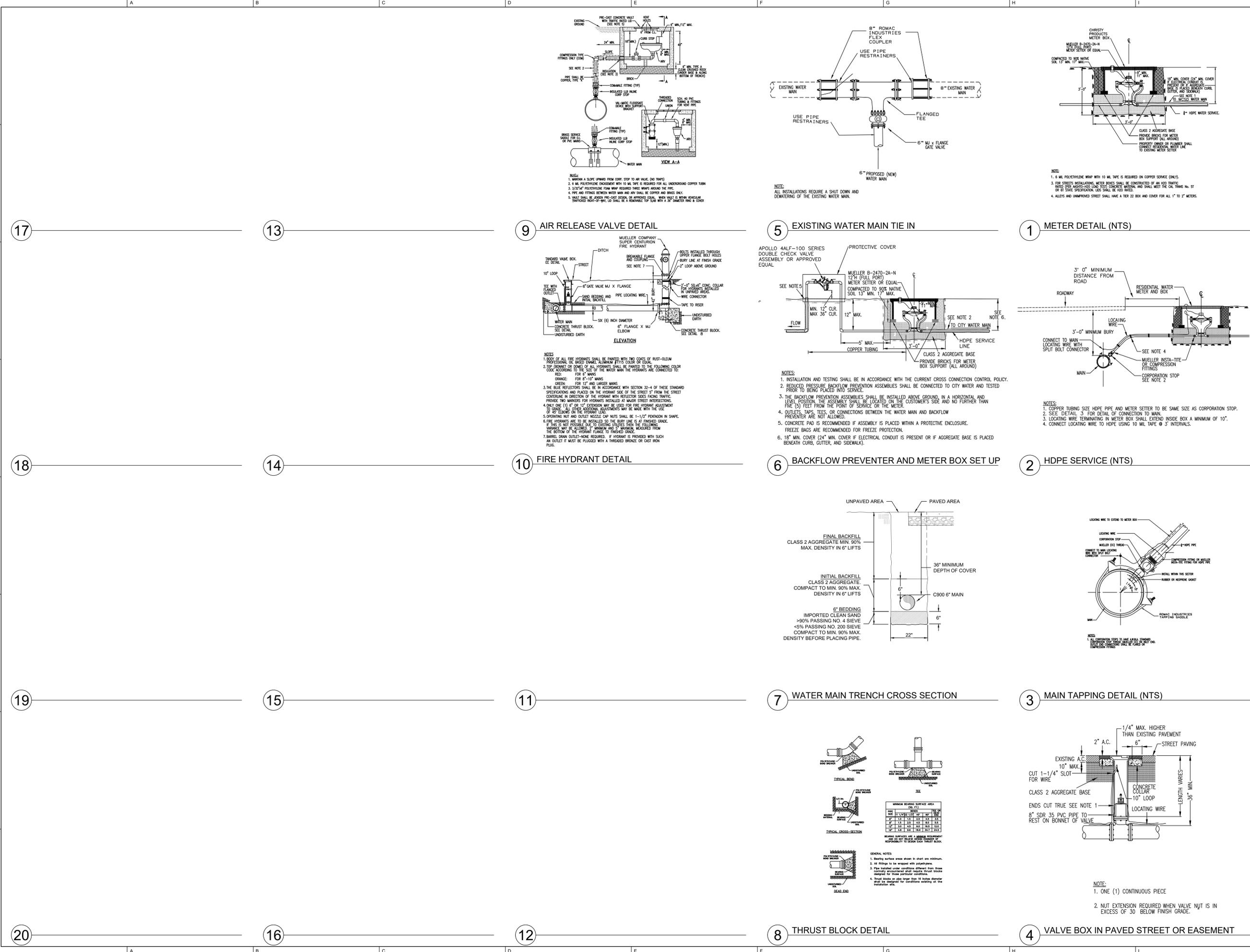
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