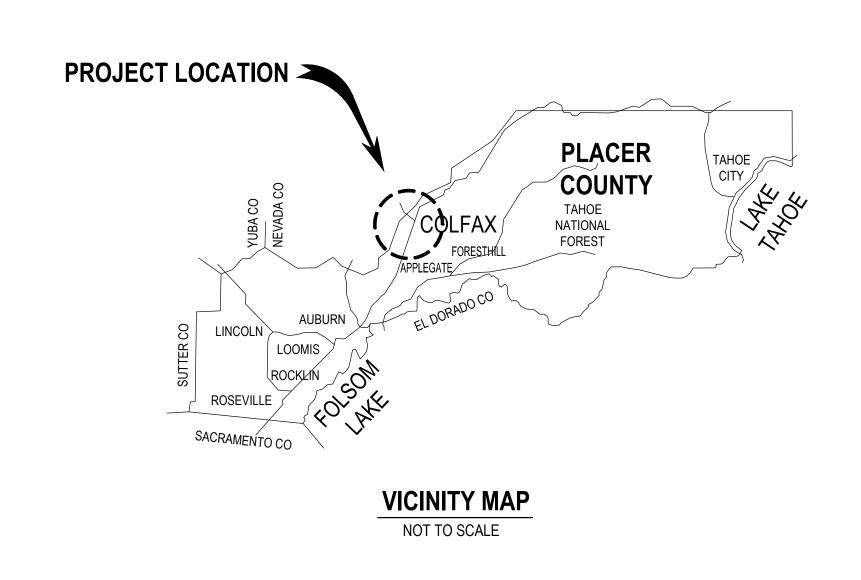
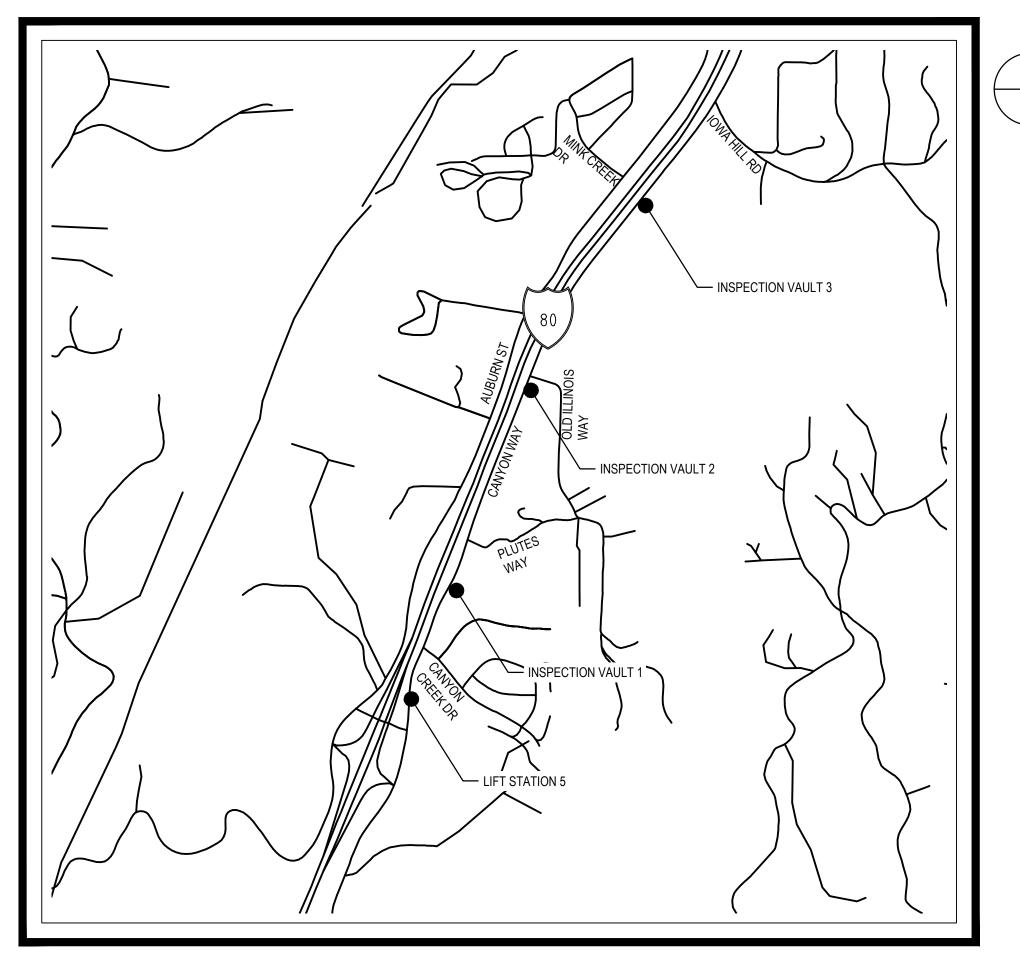
PROJECT PLANS FOR CITY OF COLFAX LIFT STATION 5 FORCE MAIN IMPROVEMENTS SEPTEMBER 2021

SEPTEMBER 2021 CITY OF COLFAX

PLACER COUNTY, CALIFORNA





LOCATION MAP

NOT TO SCALE

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CITY OF COLFAX				
APPROVED BY	DATE			
CARL MOORE City Engineer RCE 62181				

No. Issue

Checked Approved Date

Author PE

Drafting Check SD

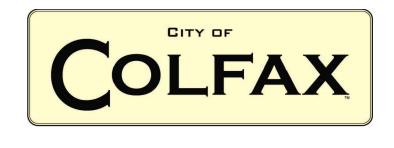
Project Manager CR

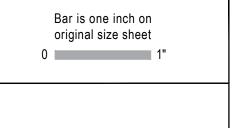
Designer SD

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Project Director LW

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11201706

Client CITY OF COLFAX

Project LIFT STATION 5 FORCE MAIN IMPROVEMENTS

IAIN

SEPTEMBER 2021 AS SHOWN

Title COVER SHEET

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Sheet No.

GENERAL NOTES:

- EXCAVATIONS OVER FIVE FEET (5') DEEP REQUIRE AN EXCAVATION PERMIT FROM THE STATE DEPARTMENT OF INDUSTRIAL SAFETY.
- CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" AT 811 (800-227-2600) AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION FOR LOCATING UNDERGROUND UTILITIES.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE 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. AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND. INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NOTICE TO CONTRACTORS: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY LINES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO CITY OWNED OR OTHER UTILITIES CAUSED BY HIS OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL BITUMINOUS PAVEMENT, CONCRETE AND REINFORCEMENT, AND SPOILS NOT NEEDED FOR BACKFILL AS REQUIRED BY THE ENGINEER AND PER THE SPECIFICATIONS.
- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT COUNTY OF PLACER GENERAL SPECIFICATIONS. ALL REFERENCES TO STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SHALL REFER TO CURRENT EDITION OF THE STANDARD SPECIFICATIONS. ATTENTION IS ALSO DIRECTED TO THE STANDARD PLATES CONTAINED IN THE PLACER COUNTY LAND DEVELOPMENT MANUAL AND THE CURRENT EDITION OF THE CALTRANS STANDARD PLANS, WHICH, WHEN APPLICABLE, ARE INCLUDED IN THESE DRAWINGS AND/OR REFERENCED BY PLATE OR STANDARD PLAN NUMBER. CONTRACTOR IS RESPONSIBLE TO HAVE AVAILABLE A CURRENT SET OF PLACER COUNTY GENERAL SPECIFICATIONS WITH PLATES, CALTRANS STANDARD SPECIFICATIONS, AND CALTRANS STANDARD PLANS.
- PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH CITY REQUIREMENTS AND AS DIRECTED BY THE ENGINEER. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR MUST IMMEDIATELY REINSTALL ANY TRAFFIC SIGNS REMOVED IN THE COURSE OF CONSTRUCTION. ANY SIGNS LOST OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
- THE CITY MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER CITY INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET CITY STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT CONTRACTOR EXPENSE.
- PRIOR TO ANY ACTIVITY WITHIN THE CITY RIGHT-OF-WAY. THE CONTRACTOR SHALL INSTALL C19(CA) OR C23(CA) SIGNS IN ACCORDANCE WITH CHAPTER 6 OF THE CURRENT CAMUTCD MANUAL. THE SIGNS SHALL BE PROFESSIONALLY MADE, METAL, REFLECTORIZED, AND PLACED ON WOODEN POSTS FOR THE DURATION OF THE PROJECT. THE MINIMUM SIZE SHALL BE 36". THE SIGNS SHALL BE REPLACED OR REPAIRED IF STOLEN OR DAMAGED. THE PLACEMENT, TYPE, AND LOCATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. THE ENGINEER OR INSPECTOR SHALL DIRECT THE INSTALLATION OR CHANGES TO SIGNS, STRIPING, CONES, BARRICADES, ETC. DURING THE COURSE OF CONSTRUCTION FOR TRAFFIC SAFETY.
- IF ANY ARCHEOLOGICAL ARTIFACTS. EXOTIC ROCK (NON-NATIVE), OR UNUSUAL AMOUNTS OF SHELL OR BONE ARE UNCOVERED DURING ANY ON-SITE CONSTRUCTION ACTIVITIES. ALL WORK MUST STOP IMMEDIATELY IN THE AREA AND A SOPA-CERTIFIED (SOCIETY OF PROFESSIONAL ARCHAEOLOGISTS) ARCHAEOLOGIST RETAINED TO EVALUATE THE DEPOSIT. THE CITY PLANNING DEPT. AND THE COUNTY DEPT. OF MUSEUMS MUST ALSO BE CONTACTED FOR REVIEW OF THE ARCHAEOLOGICAL FIND(S). IF THE DISCOVERY CONSISTS OF HUMAN REMAINS, THE PLACER COUNTY CORONER AND NATIVE AMERICAN HERITAGE COMMISSION MUST ALSO BE CONTACTED. WORK IN THE AREA MAY ONLY PROCEED AFTER AUTHORIZATION IS GRANTED BY THE CITY OF COLFAX PLANNING DEPARTMENT. FOLLOWING A REVIEW OF THE NEW FIND AND CONSULTATION WITH APPROPRIATE EXPERTS, IF NECESSARY, THE AUTHORITY TO PROCEED MAY BE ACCOMPANIED BY THE ADDITION OF DEVELOPMENT REQUIREMENTS WHICH PROVIDE PROTECTION OF THE SITE AND/OR ADDITIONAL MITIGATION MEASURES NECESSARY TO ADDRESS THE UNIQUE OR SENSITIVE NATURE OF THE SITE.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL PROVIDE THE CITY OF COLFAX A TRAFFIC PLAN IN ACCORDANCE WITH THE COUNTY SPECIFICATIONS.
- TEMPORARY TRAFFIC STRIPING MUST BE PROVIDED BY THE CONTRACTOR IF EXISTING DELINEATION IS DESTROYED DURING CONSTRUCTION. PAINTED MARKING OR STRIPING TAPE MAY BE USED. THE TEMPORARY STRIPING MUST BE APPROVED FOR MATERIAL AND LAYOUT BY THE ENGINEER. ALL TEMPORARY PAINTED MARKINGS THAT ARE TO BE REMOVED SHALL BE SANDBLASTED BY THE CONTRACTOR AT THE EXPENSE OF THE CONTRACTOR.
- ONLY THE APPROXIMATE LOCATION OF THE EXISTING STORM DRAINS AND WATER FACILITIES HAVE BEEN SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATION BY POTHOLING IN THE FIELD.
- IF AT ANY TIME DURING THE COURSE OF CONSTRUCTING THE PROPOSED PROJECT EVIDENCE OF SOIL AND/OR GROUNDWATER CONTAMINATION WITH HAZARDOUS MATERIAL IS ENCOUNTERED, THE APPLICANT SHALL IMMEDIATELY STOP THE PROJECT AND CONTACT ENVIRONMENTAL HEALTH SERVICES HAZARDOUS MATERIAL SECTION. THE PROJECT SHALL REMAIN SUSPENDED UNTIL THERE IS A RESOLUTION OF THE CONTAMINATION PROBLEM TO THE SATISFACTION OF ENVIRONMENTAL HEALTH SERVICES AND TO THE REGIONAL WATER QUALITY CONTROL BOARD.

GENERAL NOTES (CONT.):

SCARIFY 6" OF SUBGRADE SHALL BE PAID FOR AS OBLITERATE SURFACING.

PAVING NOTES:

- ALL EXISTING AC SURFACES SHALL BE SAWCUT ONE FOOT MINIMUM INSIDE THE EDGE OF PAVEMENT OR AS SHOWING ON THE PLANS TO A NEAT, STRAIGHT LINE AND REMOVED. THE EXPOSED EDGE SHALL BE SEALED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED. RECOMPACTED, AND RESEALED PRIOR TO PAVING.
- ASPHALT CONCRETE SHALL BE TYPE A, 1/2" MAXIMUM MEDIUM GRADING AND SHALL CONFORM TO THE CALTRANS SPECIFICATIONS FOR HMA (TYPE A).
- AGGREGATE BASE SHALL BE CLASS 2, 3/4" MAXIMUM GRADING. AGGREGATE BASE SHALL CONFORM TO THE CALTRANS SPECIFICATIONS.

FUGITIVE DUST CONTROL:

- THE CONTRACTOR IS TO MAINTAIN ADEQUATE DUST CONTROL PER SECTION 10, CALTRANS SPECIFICATIONS, AND UTILIZE DUST CONTROL MITIGATION APPROVED BY THE AIR POLLUTION CONTROL DISTRICT (A.P.C.D.). PARTICULATE CONTROL MEASURES SHALL ALSO BE USED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT.
- THE CONTRACTOR SHALL FOLLOW THE GUIDELINES OUTLINED IN THE "FUGITIVE DUST CONTROL" HANDBOOK AVAILABLE FROM A.P.C.D.
- THE CONTRACTOR SHALL APPLY WATER TO ALL DISTURBED AREAS FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE.
- DUST PRODUCING CONSTRUCTION ACTIVITIES SHALL BE SUSPENDED DURING PERIODS OF HIGH WINDS (GUSTS EXCEEDING 25 MPH).
- CONSTRUCTION VEHICLES AND EQUIPMENT SHALL BE RESTRICTED TO TRAVEL ALONG WELL WATERED CONSTRUCTION ROUTES AND SHALL BE LIMITED TO A MAXIMUM SPEED OF 15 MPH ON NON-PAVED CONSTRUCTION SITES.
- THE CONTRACTOR SHALL USE TARPAULINS OR OTHER EFFECTIVE COVERS FOR HAUL TRUCKS WHICH TRAVELS IN PUBLIC STREETS.
- EXISTING STREETS AND PAVED ROADS SHALL BE REGULARLY SWEPT AS FAR AS NECESSARY TO ENSURE THAT NOT SILT, DEBRIS OR POLLUTANT ARE CARRIED OVER TO ADJACENT PUBLIC THOROUGHFARES. DO NOT WASH DOWN STREETS WITH WATER UNTIL DIRT AND DUST HAS BEEN REMOVED BY DRY SWEEPING. THIS IS TO PREVENT CONTAMINATION OF WATERWAY WITH SEDIMENT.
- ALL CONSTRUCTION EQUIPMENT SHALL BE CLEANED REGULARLY AND KEPT PROPERLY TUNED TO MINIMIZE THE AMOUNT OF DUST AND POLLUTANTS EMITTED INTO THE AIR.

TRENCH EXCAVATION AND BACKFILL NOTES:

UNLESS OTHERWISE APPROVED, MINIMUM COVERAGE FROM TOP OF PIPE TO FINISH GRADE SHALL BE AS FOLLOWS:

SEWER 36 IN. WATER 30 IN. CULVERTS

STORM DRAINS 18 IN. OTHER UTILITIES 30 IN.

- IN WET OR ROCKY MATERIAL, THE DEPTH OF TRENCH BEDDING SHALL BE INCREASED TO THE LARGER OF EITHER 6 IN. OR 1/4 DIA.
- FOR CULVERTS/STORM DRAINS. THE MINIMUM DISTANCE BETWEEN THE SIDE OF THE TRENCH AND THE SIDE OF THE PIPE SHALL BE 12 IN.
- MINIMUM COMPACTION REQUIREMENTS (SEE SECTION 19-4.04 OF THE PLACER COUNTY GENERAL
- SPECIFICATIONS). WITHIN ROADWAY PRISM-

BEDDING/INITIAL BACKFILL

SUBGRADE INTERMEDIATE BACKFILL 92%

OUTSIDE ROADWAY PRISM-

BEDDING/INITIAL BACKFILL 90% INTERMEDIATE BACKFILL 90%

TRENCH EXCAVATION AND BACKFILL NOTES (CONT.):

- IN AREAS WITH MINIMUM COVER, INTERMEDIATE BACKFILL SHALL BE CLASS 2 AGGREGATE BASE.
- IN AREAS OF NATURAL VEGETATION OR LANDSCAPING, REMOVE TOP 12 IN. OF MATERIAL, STOCKPILE & REPLACE IN A MOUND PER PLATE 431. TYPE D AND PLATE 432. TYPE D.
- ALL LANDSCAPING CONDUITS WITHIN THE ROADWAY PRISM AND/OR TRAFFIC AREAS MUST HAVE A MINIMUM OF 30 INCHES OVER. MINIMUM COVER WITHIN COUNTY R/W BUT OUTSIDE THE ROADWAY AND TRAFFIC AREAS SHALL BE AS FOLLOWS:

LOW VOLTAGE ELECTRICAL CONDUITS 24 IN. MIN

PRESSURIZED WATERLINES 24 IN. MIN

NONPRESSURIZED (DISCHARGED) LATERALS 12 IN. MIN

- COMPACTION TESTING WITHIN THE PIPE ZONE (BOTTOM OF TRENCH TO 12 IN. ABOVE CONDUIT(S)) SHALL BE PERFORMED BY TESTING LAB AS APPROVED BY THE CITY.
- SHOVEL SLICE BEDDING MATERIAL UNIFORMLY UNDER PIPE IN HAUNCH AREA. SHOVEL SLICING SHALL BE COMPLETED BEFORE THE BEDDING IS BROUGHT UP TO THE PIPE SPRINGLINE AND PREFERABLY WHEN IT IS NO HIGHER THAN THE QUARTER POINT OF THE PIPE.

CITY OF COLFAX NOTES:

- THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE CITY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
- ALL MATERIALS, METHODS, AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATION OF THE AGENCIES INVOLVED AND ALL WORK IS SUBJECT THE APPROVAL OF THEIR DIRECTOR OR AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF COLFAX'S PUBLIC SERVICES INSPECTORS MON.-FRI. 8:00 A.M. TO 4:00 P.M. AT (530) 346-2313 FOR A PRECONSTRUCTION MEETING 48 HOURS IN ADVANCE OF STARTING ANY CONSTRUCTION ACTIVITIES. THE CITY REQUIRES AT LEAST 48-HOURS PRIOR TO ANY CONSTRUCTION REQUESTS FOR INSPECTION OF PUBLIC FACILITIES. THEREFORE, NOTICE SHALL BE GIVEN 48-HOURS IN ADVANCE AND BE PERFORMED BY THE AGENCY'S DESIGNATED AGENT.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS AND SHALL POSSESS APPROVED PLANS PRIOR TO BEGINNING OF CONSTRUCTION. A SET OF SIGNED AND APPROVED PLANS ARE TO BE ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING PUBLIC AND PRIVATE IMPROVEMENT WITHIN THE WORK AREA AND SHALL ADEQUATELY BARRICADE THE PROJECT SITE TO KEEP THE GENERAL PUBLIC FROM THE SITE, ANY IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR.

EARTHWORK AND GRADING:

- CONTRACTOR SHALL APPLY EROSION CONTROL HYDROSEEDING TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR AS SOON AS PRACTICAL AFTER GRADING TO REDUCE DUST AND EROSION POTENTIAL. STRAW OR HYDROMULCHING SHALL BE COMBINED WITH THE SEEDING ON SLOPES EQUAL TO OR GREATER THAN 10:1 AND PLACED PRIOR TO COMPLETION OF PROJECT IF DEEMED NECESSARY FOR CONTROLLING SOIL EROSION.
- THE CONTRACTOR SHALL DO THE FOLLOWING IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 1ST:
 - INSTALL EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR **GREATER**
 - PREVENT SEDIMENT FROM LEAVING THE PROJECT AREA
 - PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES AS PER SPECIFICATION SS62
 - SEAL OFF ALL SANITARY SEWER CONNECTIONS TO EXISTING SYSTEMS
 - THE CONTRACTOR SHALL MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES UNTIL THE CITY ACCEPTS THE ROAD IMPROVEMENTS
- THOSE ENGAGED IN CONSTRUCTION ACTIVITY SHALL COMPLY WITH THE CITY OF COLFAX CONSTRUCTION NOISE COMPATIBILITY GUIDELINES, INCLUDING RESTRICTING CONSTRUCTION NOISE GENERATING ACTIVITIES WITHIN OR NEAR RESIDENTIAL AREAS TO BETWEEN 7:00 AM AND 7:00 PM ON WEEKDAYS AND 8:00 AM AND 7:00 PM ON THE WEEKENDS TO THE SATISFACTION OF THE PUBLIC SERVICES DIRECTOR OR BUILDING OFFICIAL.

STRIPING

- ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE REMOVED BY GRINDING. AND A SURFACE TREATMENT MAY BE REQUIRED BY THE CITY.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO CONFORM TO THE MOST RECENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS AND PLANS.

DETAIL AND SECTION CALLOUTS

SECTION DESIGNATION:

SECTION DESIGNATIONS USE LETTERS ON DRAWING WHERE SECTION IS TAKEN:

DRAWING NUMBER WHERE SHOWN

ON DRAWING WHERE SECTION IS SHOWN

SECTION DESIGNATION

SECTION

SCALE: 1/2"=1'-0"

SECTION DESIGNATION -

DRAWING NUMBER WHERE TAKEN

DRAWING NUMBER SHOWN AS " - " IF TAKEN & SHOWN ON SAME SHEET.

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DETAIL DESIGNATION:

DETAIL DESIGNATIONS USE NUMBERS

ON DRAWING WHERE SECTION IS TAKEN:

DETAIL DESIGNATION -DRAWING NUMBER WHERE SHOWN

ON DRAWING WHERE SECTION IS SHOWN

DETAIL SCALE: NTS

DETAIL DESIGNATION -DRAWING NUMBER WHERE TAKEN

DRAWING NUMBER SHOWN AS " - " IF TAKEN & SHOWN ON SAME SHEET.

ABBREVIATIONS:

ASPHALT CONCRETE GRADE BREAK AIR RELEASE VALVE GR GRATE BEGIN CURVE GATE VALVE INVERT BACK OF CURB JOINT POLE **BLOW-OFF VALVE** BACK OF WALK JOINT UTILITY TRENCH LEFT, LENGTH BVC BEGIN VERTICAL CURVE LINEAL FEET MAXIMUM CLEANOUT DROP INLET MANHOLE DWY MINIMUM OFFSET **END CURVE** ORIGINAL GROUND **ELEVATION** OG EDGE OF PAVEMENT OVERHEAD UTILITY EOP EXIST, EXISTING POINT OF COMPOUND 1 PCC EXSSN EXISTING SANITARY **PCWA** PLACER COUNTY WATER SEWER NUMBER PROPERTY LINE FLOWLINE FINISHED GRADE POINT OF REVERSE CURVE PRC FIRE HYDRANT RADIUS, RIGHT GAS, GAS MAIN LENGTH OF PIPE RESTRAINT

STA STATION STD TBC TFC TYP

SD

SDDI

SDN

SFM

SSN

STANDARD TOP BACK OF CURB TOP FACE OF CURB TYPICAL WATER WATER MAIN WATER METER WATER SERVICE LATERAL WS WATER VALVE

SLOPE

LATERAL

MANHOLE

STORM DRAIN

STORM DRAIN DROP INLET

STORM DRAIN MANHOLE

STORM DRAIN NUMBER

SANITARY SEWER SERVICE

SANITARY SEWER NUMBER

SEWER FORCE MAIN

SANITARY SEWER

SANITARY SEWER

LEGEND

ROADWAY CENTERLINE — - - — PROPERTY LINE ----- w ----- WATERLINE

SANITARY SEWER LINE SANITARY SEWER FORCE MAIN

OVERHEAD ELECTRIC STORM DRAIN LINE

UTILITY VAULTS

STORM DRAIN MANHOLE **SEWER MANHOLE**

FIRE HYDRANT WATER VALVE

POWER POLE

STREET LIGHT

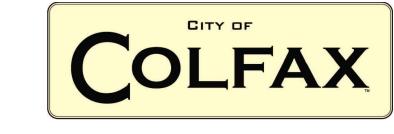
CURB AND GUTTER **EDGE OF EXISTING PAVEMENT**

COMBINATION \ AIR VALVE

ject LIFT STATION 5 FORCE MAIN

Title NOTES, LEGEND, AND **ABBREVIATIONS**

No. Issue Date Checked Approved Author **PE** Drafting Check SD Project Manager CR Designer **SD** Design Check **FG** Project Director LW



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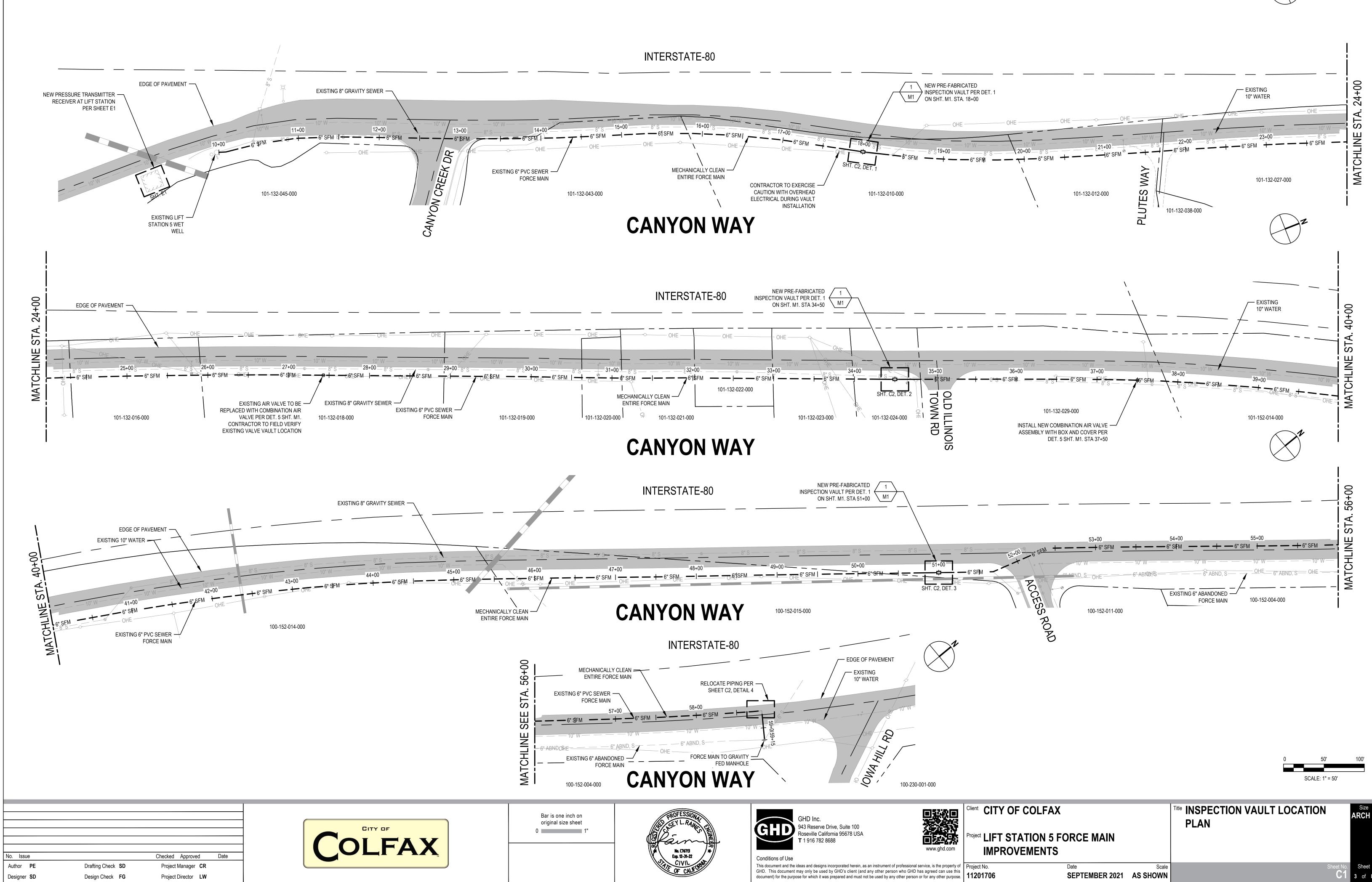
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IMPROVEMENTS

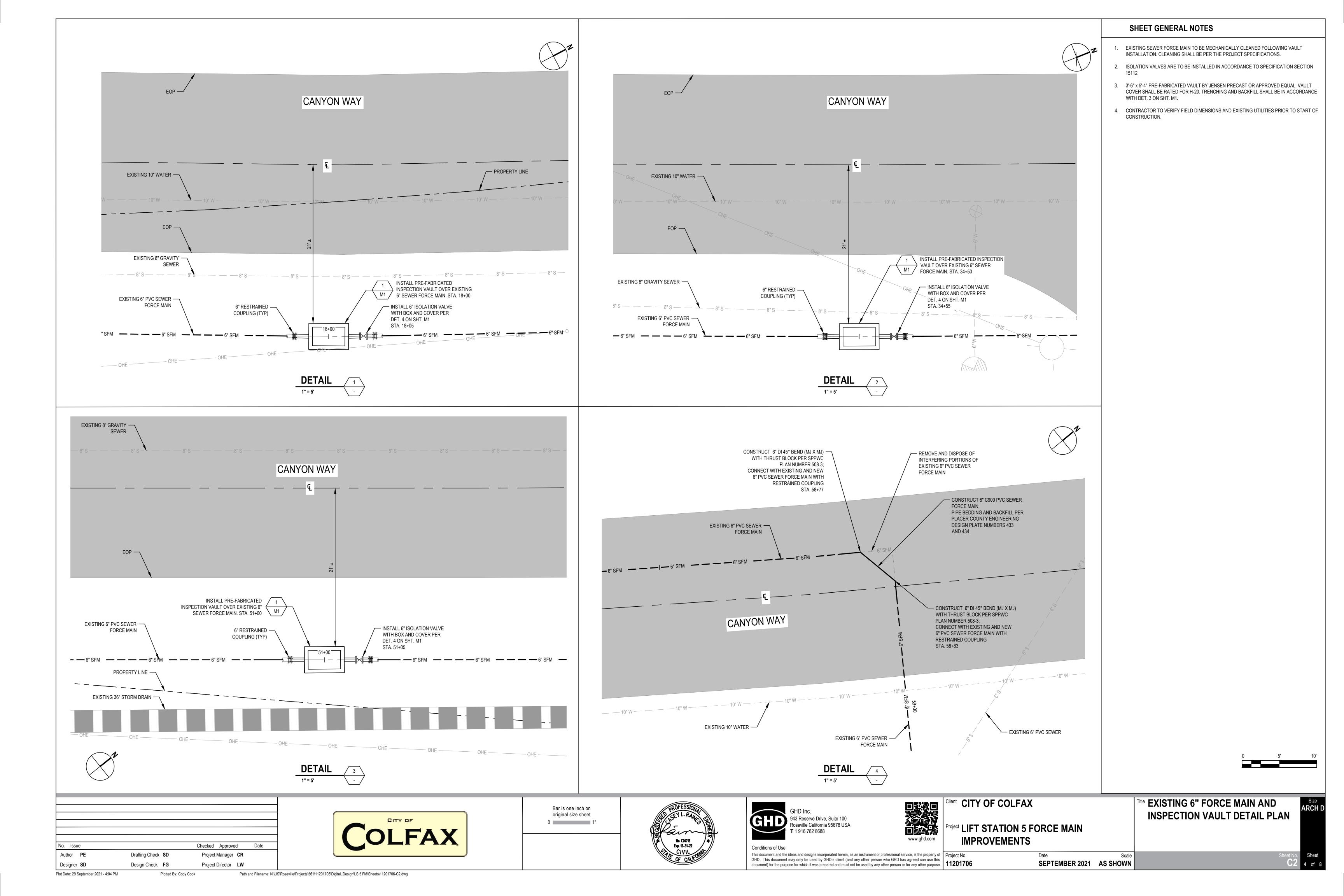
Client CITY OF COLFAX

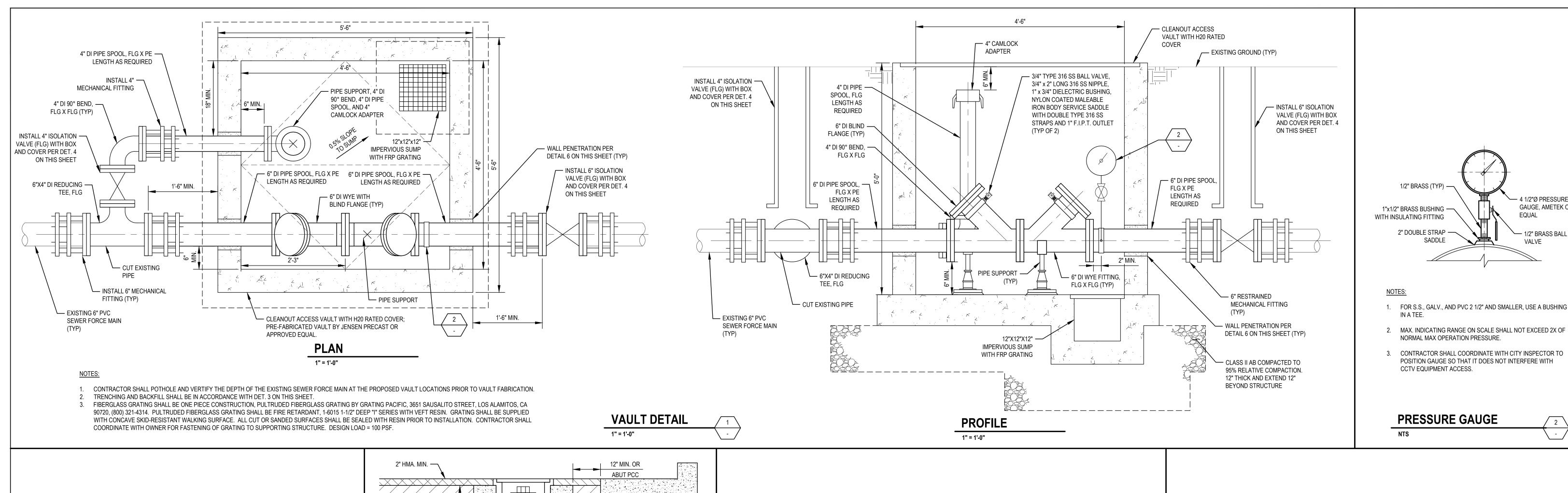


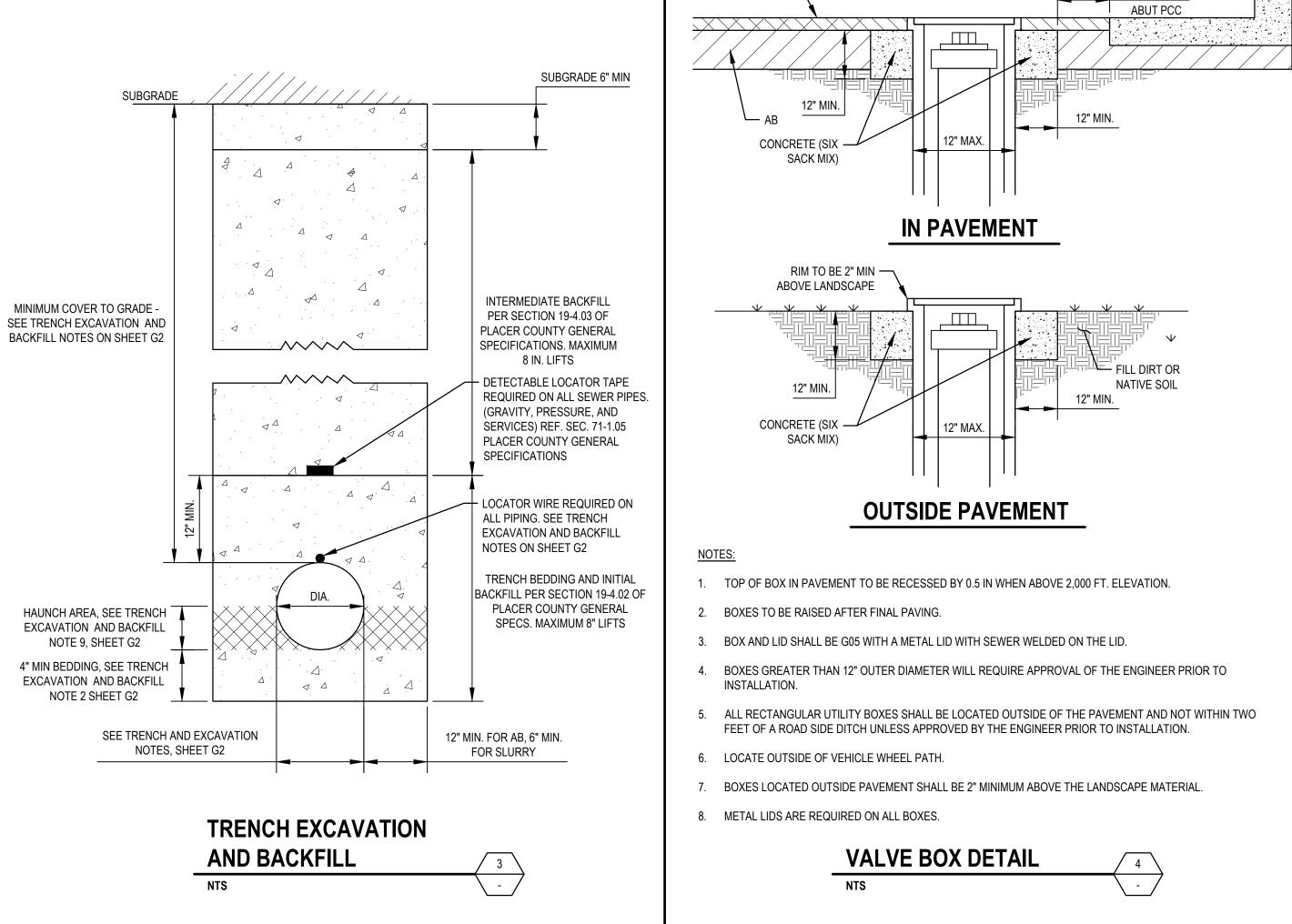


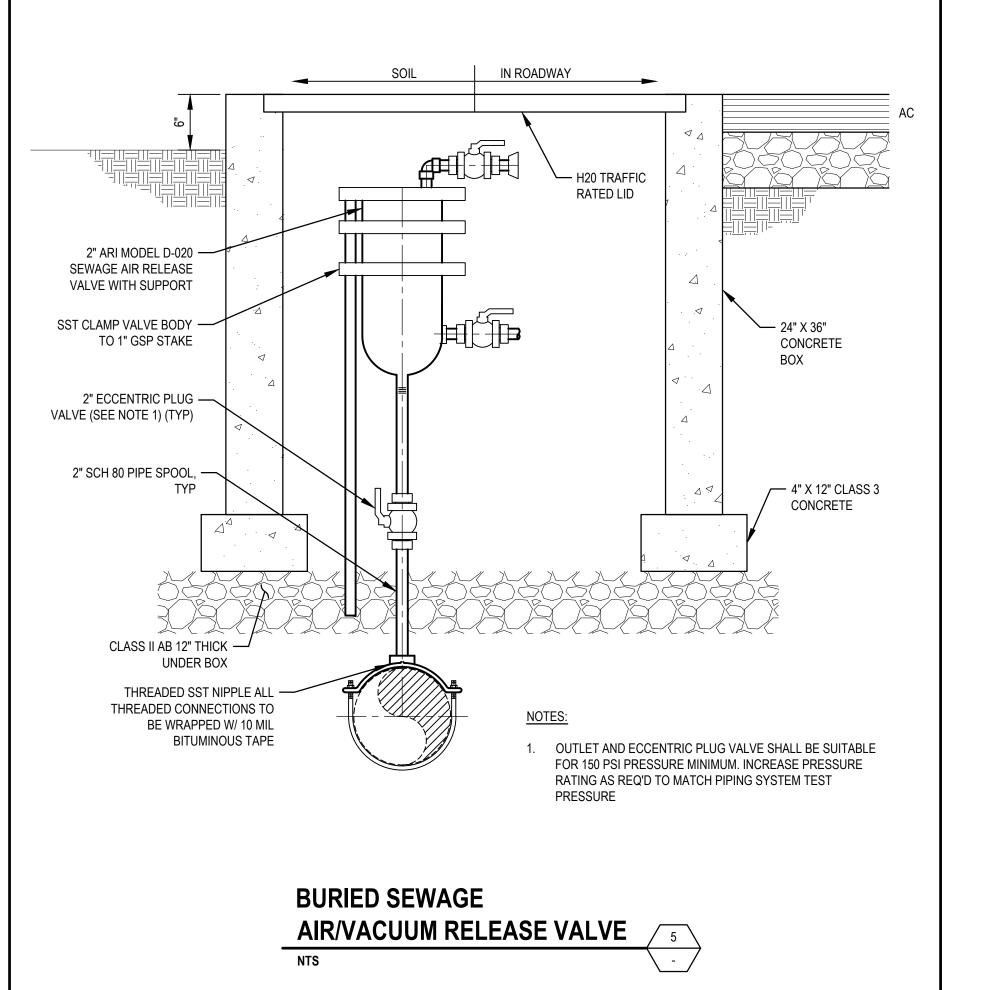
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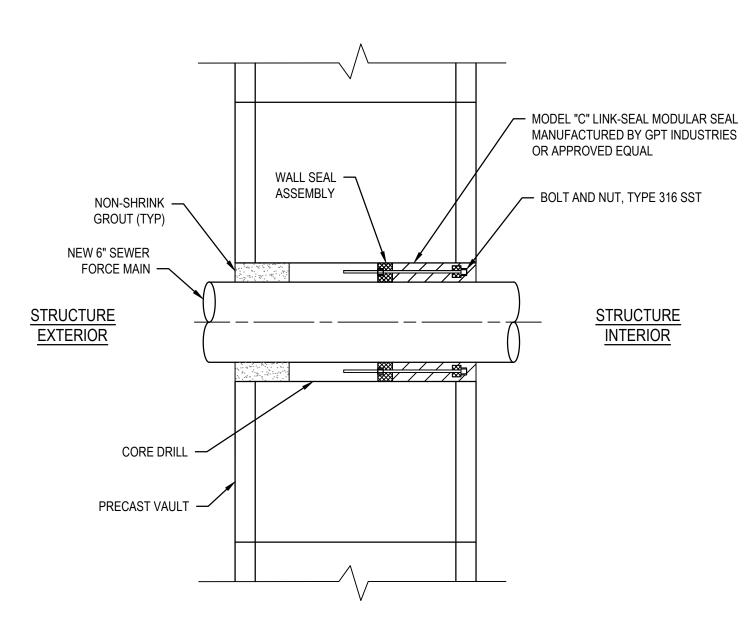
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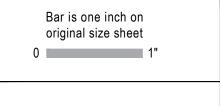


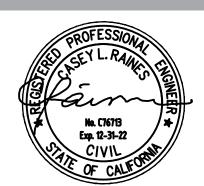
<u>NOTES</u>

- 1. INSIDE DIAMETER OF EACH WALL OPENING SHALL BE OF THE SIZE RECOMMENDED BY THE SEAL MANUFACTURER TO FIT THE PIPE OR CONDUIT AND TO ENSURE A WATER-TIGHT JOINT.
- 2. WALL SEAL ASSEMBLY SHALL BE OF THE MODULAR MECHANICAL TYPE, CONSISTING OF INTERLOCKING SYNTHETIC RUBBER LINKS SHAPED TO FILL THE ANNULAR SPACE BETWEEN THE PIPE AND THE WALL OPENING. A PRESSURE PLATE SHALL BE PROVIDED UNDER EACH BOLT HEAD AND NUT, WITH THE SEAL CONSTRUCTED TO PROVIDE ELECTRICAL INSULATION BETWEEN WALL AND PIPE. WALL SEAL ASSEMBLY SHALL BE LINK SEAL AS MANUFACTURED BY GPT INDUSTRIES OR APPROVED EQUAL. ALL HARDWARE SHALL BE STAINLESS STEEL, GRADE 316.



Checked Approved Date No. Issue Author **PE** Drafting Check SD Project Manager CR Designer **SD** Design Check **FG** Project Director LW









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Client CITY OF COLFAX

pject LIFT STATION 5 FORCE MAIN **IMPROVEMENTS**

SEPTEMBER 2021 AS SHOWN

Title **DETAILS**

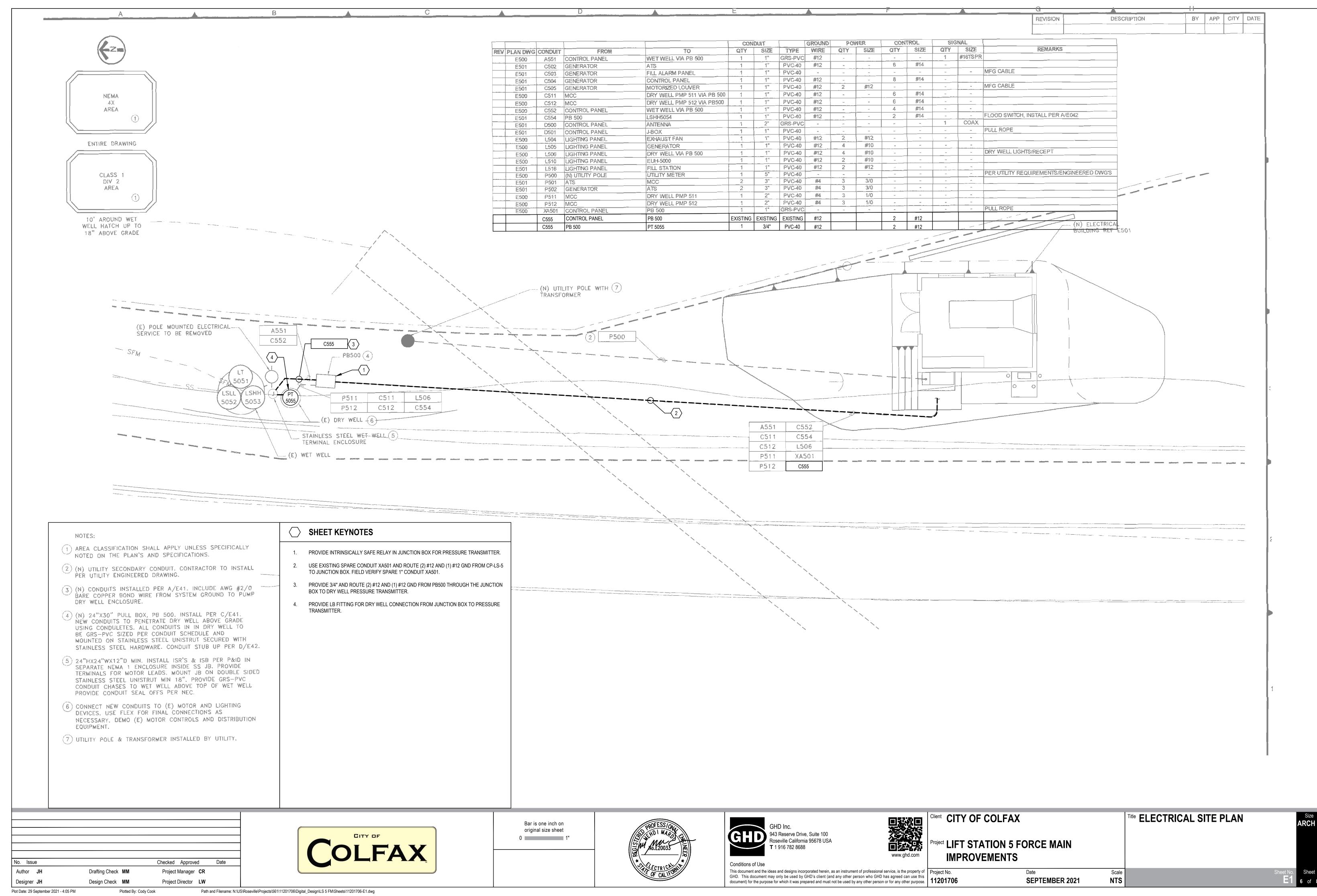
- 4 1/2"Ø PRESSURE

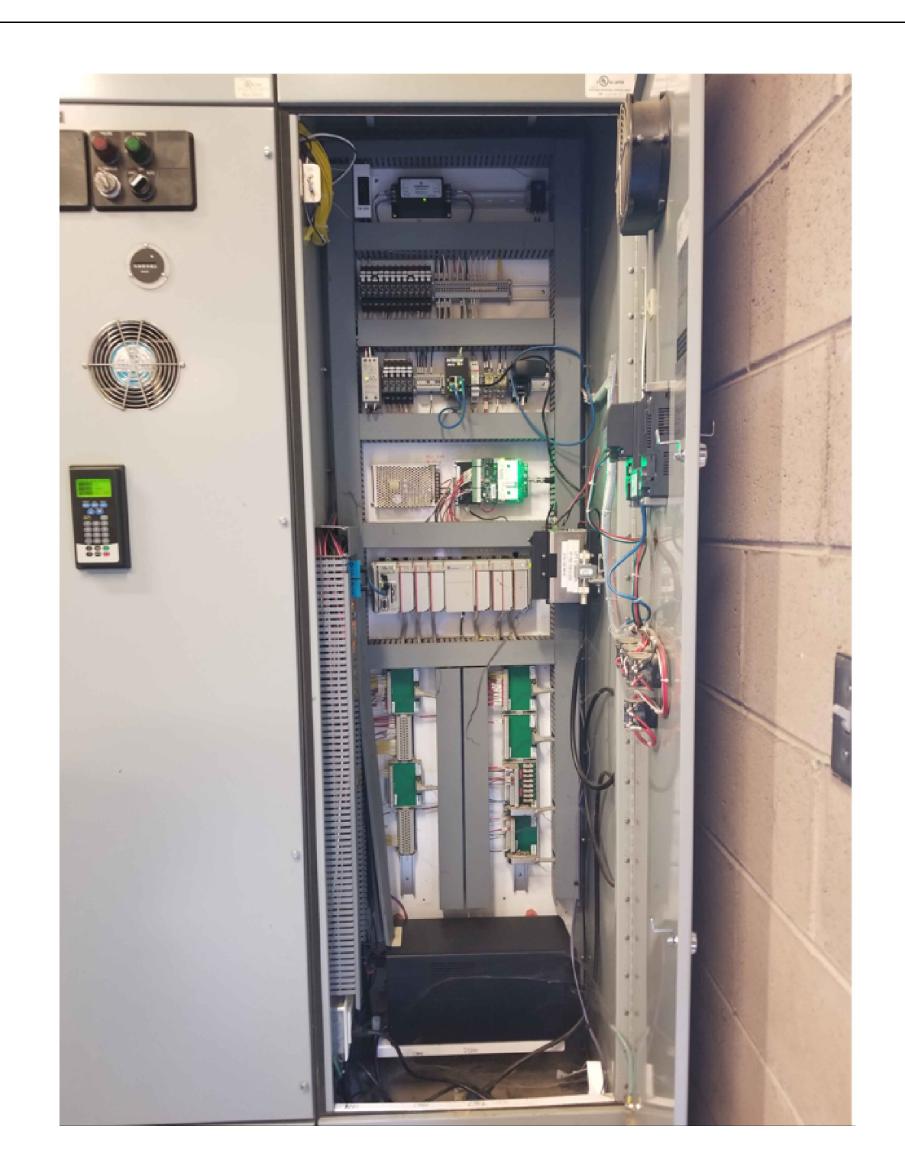
- 1/2" BRASS BALL

EQUAL

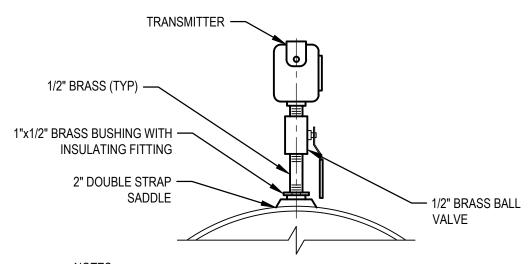
VALVE

GAUGE, AMETEK OR





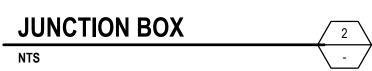




- NOTES:
- 1. FOR S.S., GALV., AND PVC 2 1/2" AND SMALLER.
- MAX. INDICATING RANGE ON SCALE SHALL NOT EXCEED 2X OF NORMAL MAX OPERATION PRESSURE.
- 3. ROSEMOUNT 3051S PRESSURE TRANSMITTER OR APPROVED EQUAL.





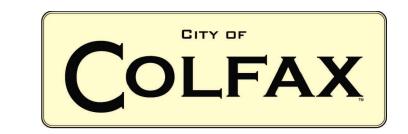




DRY WELL

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Client CITY OF COLFAX	
Project LIFT STATION 5 FORCE MAIN IMPROVEMENTS	

Title ELECTRICAL DETAILS

Scale NTS

SEPTEMBER 2021

○ SHEET KEYNOTES

1. PROVIDE INTRINSICALLY SAFE RELAY IN JUNCTION BOX.

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