



Dominion®

Construction Notice for the

**PIR #749, Faircrest Street,
Perry Township, Canton Township &
City of Canton, Stark County, Ohio
12-inch High Pressure Distribution
Line Replacement**

**Ohio Power Siting Board
Case No. 15-636-GA-BNR**

**Submitted by
Dominion East Ohio**
(#MWO 63158608)

CASE NO. 15-636-GA-BNR
CONSTRUCTION NOTICE
PIR #749, FAIRCREST STREET, PERRY TOWNSHIP, CANTON TOWNSHIP & CANTON
CITY, STARK COUNTY, OHIO
12-INCH HIGH PRESSURE DISTRIBUTION LINE REPLACEMENT

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-02: Construction Notice Requirements of the Rules and Regulation of the Ohio Power Siting Board.

4906-11-02(B) GENERAL INFORMATION

4906-11-02(B)(1): Name of the project

The applicant for the proposed project is the Dominion East Ohio (“DEO”). The name of the project is PIR #749 Faircrest Street, which will be constructed on the north and south sides of Faircrest Street between Kropf Avenue and Interstate 77 in Perry Township, Canton Township and the City of Canton, Stark County, Ohio. As the “PIR” designation reflects, this project has been previously listed as one of those on the Pipeline Infrastructure Replacement program. The internal project number is MWO 63158608. See Attachment A, map.

4906-11-02(B)(2): Brief description of the project

This project involves replacing approximately 4,140 feet of existing 6-inch, 8-inch, 10-inch and 12-inch high-pressure bare steel with 20 feet of 4-inch fusion bonded epoxy .237W Gr B, 80 feet of 6-inch fusion bonded epoxy .280W Gr B, and 4040 feet of 12-inch fusion bond epoxy steel .375W by grade X42. The contractor will install two 4-inch, two 6-inch, and two 12-inch valves.

The HP construction project is broken into three (3) separate lays. To the west the replacement will run on the south side of Faircrest Street in the tree lawn starting approximately 3,176 feet east of Kropf Avenue east to 349 feet west of Shepler Church Avenue SW in Perry Township, Stark County, Ohio. The center section of the replacement is on the north side of Faircrest Street SW between Shepler Church Avenue

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SW and Sherman Church Avenue SW in the City of Canton and Canton Township, Stark County, Ohio. The eastern replacement is on the north side of Faircrest Street starting approximately 533 feet east of Sherman Church Avenue SW to 1,623 feet east of Sherman Church Avenue SW in Canton, Stark County, Ohio.

4906-11-02(B)(2): Why the Project Meets the Requirements for a Construction Notice

This project meets the criteria listed in Appendix B of Ohio Administrative Code (“OAC”) Rule 4906-1-01 for a construction notice:

- (3) Replacing an existing gas transmission line with a like facility where such replacement requires an increase in the width of existing right-of-way, and where the expanded right-of-way is:
 - (a) not greater than one mile in length.

The replacement project is less than one mile and entirely within the existing public rights-of-way or DEO easements.

The replacement pipeline will be located entirely within DEO’s service area. DEO owns and operates the existing line that will be replaced and will continue to own and operate the replacement pipeline. The primary purpose of the replacement will be to take out of service the aging and obsolete pipeline to assure a safe and constant natural gas supply to DEO’s customers. As noted above, this project is eligible for recovery as part of the Pipeline Infrastructure Replacement program.

4906-11-02(B)(3): Need for the natural gas transmission line

The objective of this pipe infrastructure replacement project is to provide adequate gas supply to DEO’s existing customers in Canton and in the surrounding residential and industrial area in Stark County. The present pipe mainlines are more than 68 years old

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and have been identified as high priority replacement pipe due to considerable maintenance and leak repairs required in the last number of years. [For accounting purposes, the useful life (based on depreciation) of bare steel pipe is 55.87 years.] In 2008, DEO began a pipe infrastructure replacement program in Ohio that will result in replacing more than 5,000 miles of bare steel pipe in the next 20 years. There will be savings to DEO's customers from the substantial maintenance expense attributable to the replacement line in this project when it is constructed. Moreover, the new line will meet all the safety standards that have been enacted since the installation of the old line.

4906-11-02(B)(4): Anticipated construction schedule, in-service date

The construction of the replacement pipeline is anticipated to begin in May 2015. DEO plans to place the line in-service by September, 2015. Schematic Construction Plans are included as Attachment C.

4906-11-02(B)(5): Estimated capital cost

The high-level estimate for the replacement by the 12-inch high-pressure gas main (and the non-jurisdictional pipeline – 4-inch and 6-inch high-pressure) is \$909,450.

4906-11-02(B)(6): Operating characteristics, number and types of required structures, land requirements

The proposed 12-inch high-pressure line (L# 2471) will operate at a distribution operating pressure range of 120-145 pounds per square inch gage ("psig") depending on the time of year. The maximum allowable operating pressure will be 160 psig. The 12-inch nominal diameter pipe will be coated with a fusion bond epoxy. Its steel pipe wall thickness will be 0.375 and the grade will be X42.

All lines are in existing public rights-of-way or in DEO easements.

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4906-11-02(B)(7): Map of pipeline showing centerline, instructions for locating, viewing the proposed facility

Attachment A is an area map that depicts the proposed new pipeline's centerline. Attachment B provides written instructions for locating and viewing the proposed new pipeline.

4906-11-02(B)(8): A list of properties for which the applicant has land rights

This project is entirely within DEO's existing easements and road rights-of-way. The property owners of the existing right-of-way are listed on Attachment D.

DEO has sent a preliminary notice to all rights-of-way occupants of the proposed project on March 26, 2015 and another letter will be sent to all customers listed as property owners along the proposed pipeline prior to construction giving more details and including a Frequently Asked Questions section. The first model and second model letters are included as Attachment E.

4906-11-02(C) DOCUMENTATION OF CONSTRUCTION NOTICE

A copy of this Construction Notice is being provided concurrently to the public officials of Stark County who are listed on Attachment F. A copy of a transmittal letter submitting this Construction Notices to the officials on the same day that it was filed with the Ohio Power Siting Board is attached as Attachment G.

ADDITIONAL INFORMATION

The documents in Attachment H include:

- A wetlands delineation report dated July 15, 2014 from EnviroScience describing findings based on the field survey.

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- The results of an Ohio Historic Preservation Office (“OHPO”) literature review and maps from EnviroScience dated August 28, 2014 showing impacts for the project area will be temporary and no permanent structures area planned. Therefore, the PIR 749 project will not likely have an adverse effect on prehistoric or historic cultural resources based on [36 CFR § 800.5(b)]. Additionally, this project has no federal ties and does not require coordination based on the National Historic Preservation Act. No further consultation with OHPO is required for this project based on the current site plans.
- A response from the Ohio Department of Natural Resources dated January 22, 2015 from John Kessler requesting this project be coordinated with US Fish & Wildlife Service due to the potential of impacts to federally listed species, as well as to state listed species. [The US Army Corps of Engineers (“USACE”) is the lead agent relating to federally threatened and endangered species.]
- A preconstruction notification (“PCN”) Issued – USACE Non-Reporting Nationwide Permit. The Nationwide Permit (“NWP”) #3 (Permit No: LRH-2015-28-TUS-Nimishillen Creek) was issued on January 9, 2015 (Expires March 18, 2017) by the USACE Huntington District. The issued permit authorizes temporary impacts to 0.002 acres of wetland and to comply with all special conditions, and the Ohio Environmental Protection Agency (“Ohio EPA”) 401 Water Quality Certification (“WQC”). It also states the NWP and the 401WQC need to be on site during construction.
- NWP 3 guidelines and 401 WQC – Special guidelines for the NWP and WQC

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- Since this project will have more than an acre of disturbance, a Storm Water Prevention Plan (“SWPPP”) was submitted to both the Ohio EPA and the Stark County Soil and Water Conservation District.
- On April 20, 2015, the NOI Permit was submitted to the Ohio EPA. Response from the Ohio EPA will be provided to OPSB Staff once received. The SWPPP was intentionally left out of this attachment as to not duplicate information above.
- On April 22, 2015, a copy of the SWPPP, the SWPPP checklist, and the Stark County Earth Disturbance permit was submitted to the Stark Soil & Water Conservation District. Response from the Stark Soil & Water Conservation District will be provided to OPSB Staff once received. The SWPPP was also intentionally left out of this attachment as to not duplicate information above.
- An Environmental Compliance summary outlining environmental requirements based on field surveys, permits, and correspondences with governing agencies.
- A copy of the maps outlining the management of traffic (“MOT”).

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Attachment A

MAP OF PROJECT AREA

Date: 6/19/2014 Path: P:\Ecological Survey\Dominion\PIR Project\Sites\PIR 749 - Faircrest Street\GIS\Map2_Topo.mxd

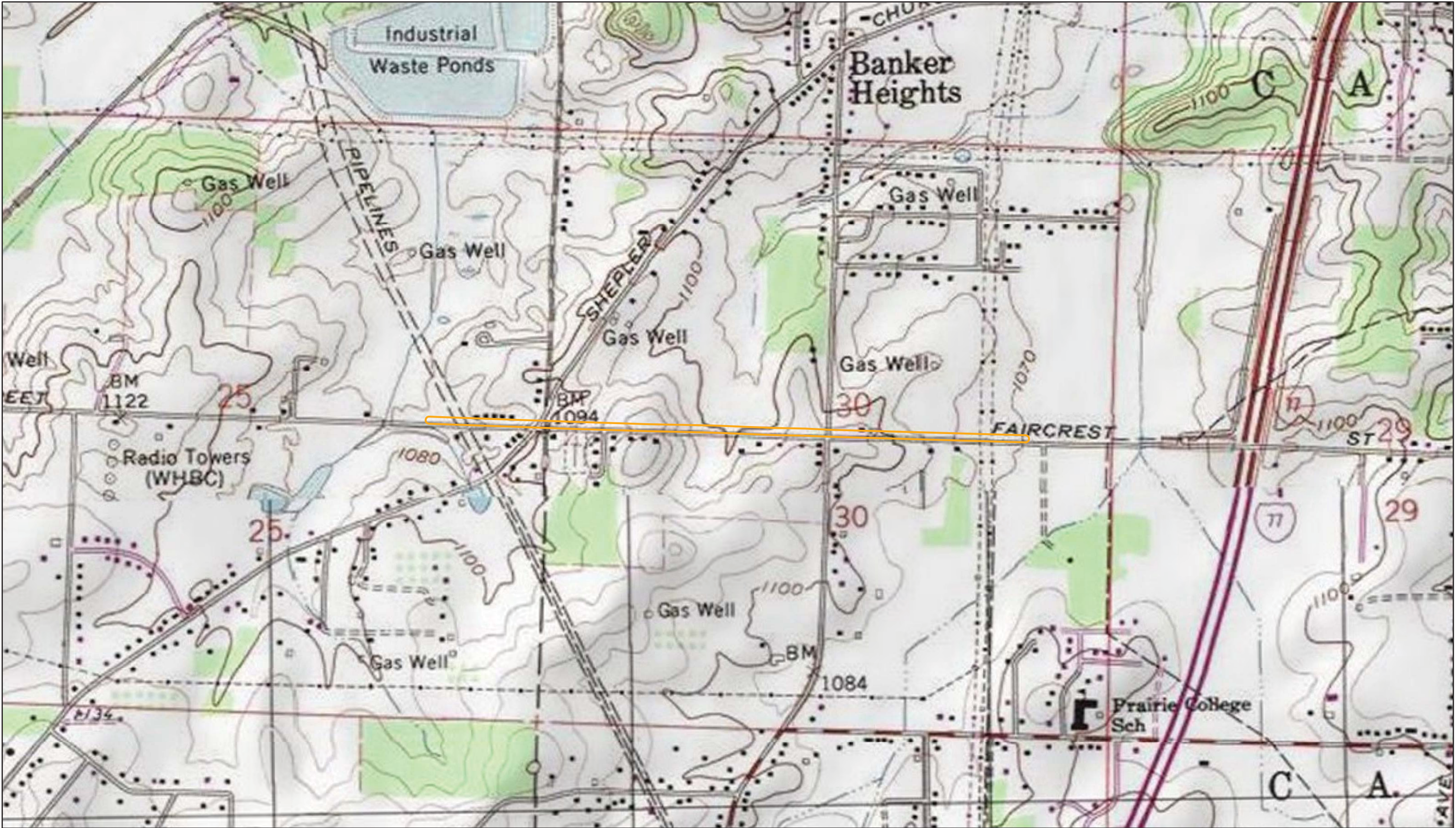


Figure 2. USGS 7.5-minute
Topographic Map of Canton West Quadrangle.
PIR 749 - Faircrest Street.

 Project Area



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Attachment B

DRIVING DIRECTIONS

Travel to the site from Columbus can be accomplished by:

- Take I-70 East for approximately 80 miles
- Take exit 180B to I-77N towards Cleveland
- Take I-77 north towards Cleveland for approximately 57.4 miles
- Take exit 101 Faircrest Street SW / OH-627
- Turn left on Faircrest Street SW
- Follow Faircrest Street for approximately ½ mile

The eastern limits of the project start at address 3151.

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Attachment C

SCHEMATIC CONSTRUCTION PLANS

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

GENERAL NOTES:

- CONTRACTOR MUST MAINTAIN A SAFE WALKWAY FOR PEDESTRIANS TRAVELING THROUGH THE WORK ZONE.
- INGRESS AND EGRESS TO DRIVEWAYS TO BE MAINTAINED WHEN PRACTICAL FOR CONSTRUCTION.
- ALL PAVEMENT OPENINGS TO BE RESTORED PER [ADD MUNICIPALITY] REQUIREMENTS (SEE DETAILS).
- ALL RESTORATION MUST BE COMPLETED IMMEDIATELY AFTER GAS MAIN INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY RESTORATION AND ITS MAINTENANCE UNTIL FINAL RESTORATION IS COMPLETE.
- [ADD MUNICIPALITY] TO BE CONTACTED [X] WORKING DAYS BEFORE START OF CONSTRUCTION. CALL [ADD CONTACT NAME AND PHONE NUMBERS].
- DOMINION HAS PROVIDED THE MOST UP-TO-DATE INFORMATION AVAILABLE AT THE TIME OF DESIGN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND COMPLY WITH ALL CURRENT MUNICIPAL REQUIREMENTS.
- CONTRACTOR MUST CALL OUPS AT LEAST TWO (2) WORKING DAYS BEFORE STARTING WORK.
- ONE LANE OF TRAFFIC MUST BE MAINTAINED IN BOTH DIRECTIONS DURING NON-CONSTRUCTION HOURS.
- SUPPORTING OF EXISTING UTILITY POLES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING MAKING THE ARRANGEMENTS WITH THE 3RD PARTY TO COORDINATE THE WORK.
- CONTRACTOR TO GAUGE LINES AND USE DOUBLE BYPASSES AS REQUIRED.
- CONTRACTOR SHALL ADHERE TO ALL ASPECTS OF THE DEO CORROSION POLICY WHEN WORKING ON STEEL MAINS AND SERVICES.
- DEO WILL PAY FOR ANY AND ALL NON-DESTRUCTIVE TESTING (NDT) OF WELDS. THE CONTRACTOR SHALL ASSIST THE NDT CONTRACTOR WHERE NEEDED AT NO ADDITIONAL COST TO DEO.

MAINTENANCE OF TRAFFIC:

ALL TRAFFIC MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF:
THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS,
INCLUDING BUT NOT EXCLUSIVE OF O.R.C 614.02, 614.03

- THE CONTRACTOR SHALL CONTACT AREA WIDE PROTECTIVE (AWP) AND FAX TRAFFIC CONTROL ORDER FORM AT LEAST 48 HOURS IN ADVANCE. TELEPHONE: (330) 644-0655 OR 1-800-343-2650 FAX: 1-800-677-7079.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE, SCHEDULE AND CANCEL TRAFFIC CONTROL WITH AWP AND THE RESPECTIVE MUNICIPALITY AND/OR JURISDICTIONAL ENTITY. CANCELED AWP TRAFFIC CONTROL IS REQUIRED TO BE DONE A MINIMUM OF 1 HOUR BEFORE THE ESTABLISHED JOB START TIME TO AVOID PENALTY. IF CONTRACTOR CANCELS OR SHUTS DOWN FOR ANY REASON, AND FAILS TO CANCEL TRAFFIC CONTROL PRIOR TO THE MINIMUM ADVANCE NOTICE, THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT TO AWP. DEO FIELD INSPECTOR TO DOCUMENT THIS ON CURRENT AWP/TRAFFIC CONTROL AS-BUILT PAPERWORK.

RESTORATION:

- THE CONTRACTOR SHALL RE-ESTABLISH FINAL GRADE OF EXCAVATED AREA FOLLOWING PIPE INSTALLATION. THIS ACTION MUST TAKE PLACE IN ACCORDANCE WITH THE DEO FURNISHED SWPPP OR WITHIN 14 CALENDAR DAYS OR LESS FROM THE TIME TRENCH IS BACKFILLED DURING THE CONSTRUCTION PROCESS. THE GRADED AREA MUST BE STABILIZED BY EITHER PERMANENT OR TEMPORARY MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATING ANY SETTling OF THE CONSTRUCTION AREA FOR ONE (1) YEAR AFTER REMEDIATION COMPLETE.
- RESTORATION SHALL BE PERFORMED IN TANDEM WITH PROJECT PHASING (RESTORE AS YOU GO). TEMPORARY RESTORATION WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL RESTORATION IS COMPLETE AS TO STAY IN COMPLIANCE WITH THE SWPPP.
- IN CULTIVATED AND WETLAND AREAS, THE CONTRACTOR SHALL SEPARATE THE TOP 12 INCHES OF SPOILS DURING EXCAVATION, AND RETURN TO THE SURFACE DURING BACK FILLING. IN HAY AND PASTURE FIELDS, THE CONTRACTOR SHALL RESEED THE ENTIRE DISTURBED AREA WITH THE SEED MIXTURE AS EXISTS IN ADJACENT, UNDISTURBED AREA.

PRESSURE TESTING:

- THE CONTRACTOR SHALL PRESSURE TEST THE NEW PIPELINE(S) AND RECORD THE RESULTS IN ACCORDANCE WITH DEO SOP. DEO FIELD INSPECTOR WILL PROVIDE THE PRESSURE TESTING SHEET, WHICH INCLUDES THE TEST PRESSURE, TEST MEDIUM, AND TEST DURATION. ALL PIPE PRESSURE TESTING HAS TO BE MONITORED AND SIGNED OFF BY THE DEO FIELD INSPECTOR.

SERVICES:

- SERVICE TRANSFERS MAY ONLY BE MADE AFTER A POSITIVE APPOINTMENT HAS BEEN CONFIRMED WITH THE CUSTOMER. CONTRACTOR SHALL BE RESPONSIBLE ANY/ALL SCHEDULING OF RELATED APPOINTMENTS WITH THE RESPECTIVE CUSTOMER. A CUSTOMER CANNOT BE TURNED OFF OVERNIGHT OR DURING COLD WEATHER WITHOUT A CONFIRMED APPOINTMENT WITH THE CUSTOMER FOR RELIGHT. THE DEO FIELD INSPECTOR MAKES THIS FIELD DECISION.
- ALL SERVICES THAT ARE TO BE ABANDONED IN CONJUNCTION WITH MAINLINE ABANDONMENT ARE REQUIRED TO BE CUT AT THE MAINLINE. THE OPEN END SHALL BE SECURELY PLUGGED OR CAPPED.
- ALL DOUBLE HOUSES OR DUPLEXES TIED INTO LP WILL REQUIRE A MINIMUM LINE SIZE OF 1-3/8 INCHES.

UTILITIES:

THE LOCATION OF ALL EXISTING UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE REVISED CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING OWNERS AND UTILITY PROTECTION SERVICE LISTED BELOW IN ACCORDANCE WITH SECTION 154.64 OF THE O.R.C. AND AS OUTLINED IN PROJECT SPECIFICATIONS.

THE CONTRACTOR SHALL CALL THE OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OOGUPS) AT 1-800-925-0988 A MINIMUM OF 48 HOURS BEFORE START OF CONSTRUCTION TO LOCATE ANY GAS PRODUCER FACILITIES IN THE AREA.

ENVIRONMENTAL:

- THE CONTRACTOR SHALL PROVIDE AND INSTALL SUITABLE EROSION AND SEDIMENTATION CONTROLS AS REQUIRED TO MINIMIZE EROSION AND SEDIMENT-LADEN RUNOFF. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROLS ON A DAILY BASIS. COST OF ESTABLISHING AND MAINTAINING EROSION AND SEDIMENTATION CONTROLS ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICING. REPAIRS TO THESE CONTROLS ARE TO BE ADDRESSED IMMEDIATELY AFTER INSPECTION OR NOTIFICATION OF DEFICIENCY.
- THE CONTRACTOR SHALL NOT ALTER THE FLOW OF ANY EXISTING WATERWAY OR STREAM. ANY EXISTING WATER FLOW DIRECTION MUST BE MAINTAINED IN KIND. WHEN APPLICABLE, REMOVED EXISTING STREAM BED MATERIAL/STRATA SHALL BE REPLACED IN THE SAME LAYERING THAT IS WAS PRIOR TO THE EXCAVATION DISTURBANCE.
- FOR ANY/ALL GOVERNMENTAL JURISDICTIONS THAT HAVE REGULATIONS/REQUIREMENTS REGARDING "FUGITIVE DUST EMISSIONS", THE CONTRACTOR SHALL COMPLY ACCORDINGLY. THIS REQUIREMENT CAN BE REVIEWED IN OHIO ADMINISTRATIVE CODE (SECTION 3745-17-08(B)(1)). FOR ANY QUESTIONS REGARDING THIS REQUIREMENT, PLEASE CONTACT DEO'S MANAGER OF CONTRACT SERVICES OR DEO'S ENVIRONMENTAL MANAGEMENT GROUP. SAW CUT SLURRY RUNOFF TO BE CONTAINED PER SWPPP REQUIREMENTS.
- FOR "COAL TAR COATED" PIPE, THE CONTRACTOR SHALL ENSURE THAT ALL APPLICABLE SOPs ARE APPLIED ACCORDINGLY REGARDING THE REMOVAL, HANDLING AND ASSOCIATED TRANSPORT OF THE PIPE. IF/WHEN NEEDED, CONTRACTOR SHALL COORDINATE WITH THE DOMINION FIELD INSPECTOR AND/OR DOMINIONS ENVIRONMENTAL GROUP REPRESENTATIVE SO THAT ALL PARTIES INVOLVED ARE ASSURED THAT THE PROPER BEST PRACTICES ARE BEING EMPLOYED TO ENSURE THAT NO ENVIRONMENTAL AGENCY REQUIREMENTS ARE COMPROMISED.
- DEO CONTRACTOR IS TO FOLLOW PCB PIPELINE GUIDELINES:
 - PCB ZONE IS BLUE:
 - ABANDONED PIPE TO BE PURGED AND CAPPED ACCORDING TO DOMINION SOP. CONTRACTOR IS TO ABANDON AND PURGE ALL MAINS. GROUT WILL NOT BE NEEDED AS MAINLINE IS WITHIN A BLUE PCB ZONE.
 - REMOVED PIPE TO BE PURGED AND DISPOSED OF BY THE DEO CONTRACTOR
 - PCB ZONE IS GREEN:
 - ABANDONED PIPE TO BE PURGED AND CAPPED ACCORDING TO DOMINION SOP. CONTRACTOR IS TO ABANDON AND PURGE ALL MAINS. GROUT WILL NOT BE NEEDED AS MAINLINE IS WITHIN A GREEN PCB ZONE.
 - REMOVED PIPE TO BE PURGED AND DISPOSED OF BY THE DEO CONTRACTOR.
 - PCB ZONE IS YELLOW:
 - ABANDONED PIPE > 4 INCHES WILL REQUIRE A SWIPE TEST. GROUT MAY BE REQUIRED. IF REQUIRED, GROUT TO BE SUPPLIED BY CONTRACTOR AT NO ADDITIONAL COST TO DEO.
 - ABANDONED PIPE = OR < 4 INCHES WILL BE TREATED AS RED ZONE PIPE AND WILL BE GROUTED.
 - REMOVED PIPE TO BE PURGED, CAPPED AND TRANSPORTED TO LOCAL SHOP SMELT BOX OR CANTON PERRY YARD. MAXIMUM LENGTH FOR ANY SECTION OF PIPE IS 39 FEET. 48 HOUR NOTICE AND SCHEDULING REQUIRED. CONTACT JIM GRIFFIN 330-323-9813.
 - SHIPPING PAPERS ARE REQUIRED. WRITTEN SHIPPING NAME TO BE "NON-DOT REGULATED PCBs".
 - AT LEAST ONE SEGMENT OF PIPE, PER LOAD, IS REQUIRED TO HAVE THE ACTUAL REMOVAL DATE INDICATED ON IT.
 - PCB ZONE IS RED:
 - ABANDONED PIPE > 4 INCHES WILL REQUIRE A SWIPE TEST. GROUT MAY BE REQUIRED. IF REQUIRED, GROUT TO BE SUPPLIED BY CONTRACTOR AT NO ADDITIONAL COST TO DEO.
 - ABANDONED PIPE = OR < 4 INCHES WILL BE GROUTED.
 - REMOVED PIPE TO BE PURGED, CAPPED AND TRANSPORTED TO LOCAL SHOP SMELT BOX OR CANTON PERRY YARD. MAXIMUM LENGTH FOR ANY SECTION OF PIPE IS 39 FEET. 48 HOUR NOTICE AND SCHEDULING REQUIRED. CONTACT JIM GRIFFIN 330-323-9813.
 - SHIPPING PAPERS ARE REQUIRED. WRITTEN SHIPPING NAME TO BE "NON-DOT REGULATED PCBs".
 - AT LEAST ONE SEGMENT OF PIPE, PER LOAD, IS REQUIRED TO HAVE THE ACTUAL REMOVAL DATE INDICATED ON IT.
- CONTRACTOR SHALL CARRY ABSORBENT MATERIAL AND/OR SPILL KIT TO BE USED IN THE EVENT LIQUIDS ARE ENCOUNTERED WHILE WORKING ON THE PIPELINE MAINS OR SERVICES, WITHOUT ANY ADDITIONAL COST TO DEO.

CORROSION:

- ANY EX TEST POINT DAMAGED DURING CONSTRUCTION MUST BE REESTABLISHED.
- FOR ALL TEST POINTS INSTALLED OR REESTABLISHED, DEO INSPECTOR MUST ACHIEVE A MINIMUM PIPE-TO-SOIL READING OF -0.850 VOLTS. IN THE EVENT THE MINIMUM REQUIRED READ CANNOT BE ACHIEVED, DEO INSPECTOR WILL CONTACT DEO CORROSION TO TROUBLESHOOT. INSTALLATION OF ANY TEST POINT THAT FAILS TO ACHIEVE THE MINIMUM READING WILL NOT BE CONSIDERED COMPLETE UNTIL DEO PERSONNEL HAVE DETERMINED THE CAUSE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION UNDER THIS PROVISION.
- 17# ANODES TO BE INSTALLED DIRECTLY TO PROP. 12" FBE STL AT APPROXIMATE 200' INTERVALS AS NOTED ON PLANS. MINOR SPACING ADJUSTMENTS FOR INSTALLATION AT WELDS IS PERMITTED.

GAS PLANNING - GAS FEED DISCLAIMER:

- GAS FEED INFORMATION PROVIDED WAS OBTAINED FROM GAS PLANNING AND REPRESENTS "TYPICAL FLOW" UNDER NORMAL OPERATING CONDITIONS.
- GAS FEED INFORMATION AS SHOWN AT TIE-IN LOCATIONS IS FOR REFERENCE ONLY AND MUST NOT BE USED IN DETERMINING THE NEED FOR BY-PASS PROCEDURES.
- GAS PLANNING MUST BE CONSULTED TO VERIFY FEED AT TIME OF CONSTRUCTION.

HORIZONTAL DIRECTIONAL DRILLING (HDD) INSTALLATIONS:

- WHEN DIRECTIONAL DRILL/BORE IS USED AS THE METHOD OF PIPE INSTALLATION, THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THIRD PARTY FACILITIES. IF THIS REQUIRES "TEST HOLES", DEO WILL NOT MAKE ADDITIONAL PAYMENT FOR COMPENSATION. THE RESTORATION OF ANY TEST HOLES REQUIRED IS TO BE INCLUDED IN THE LUMP SUM BID PRICE. REFERENCE SHALL BE MADE TO SOP REGARDING USE OF TRENCHLESS TECHNOLOGY.
- ALL BORING REQUIRES PHYSICAL EXPOSURE OF ALL UTILITY LOCATIONS (I.E., POT-HOLING OR VACUUM EXCAVATION) PRIOR TO ANY CONSTRUCTION. RESTORE THESE AREAS IN-KIND.
- BORING OPERATIONS MUST HALT IF ANY FRAC OUT OR INADVERTENT RETURNS OCCUR. SEE FLOW CHART IN SWPPP FOR APPROPRIATE ACTIONS TO TAKE AND CONTACTS TO MAKE. OPERATIONS MAY CONTINUE FOLLOWING THOROUGH CLEANUP. DOCUMENTATION WILL BE REQUIRED DETAILING THE LOCATION, QUANTITY AND BEFORE AND AFTER PHOTOGRAPHS OF THE AFFECTED AREA.
- THE BORING CONTRACTOR IS RESPONSIBLE FOR THE PERMITS, APPROVALS, AND RESTORATION IN THE EVENT A DIG UP AND RETRIEVAL OF THE BORING HEAD IS NECESSARY. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE RETRIEVAL OF THE BORE HEAD OR ASSOCIATED EQUIPMENT.

UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITIES PROTECTION SERVICE: 4740 BELMONT AVE YOUNGSTOWN, OH PHONE: 1-800-311-3882 CONTACT: MATT HENINS	TIME WARNER CABLE 520 WHIFFLE AVE. NW CANTON, OH PHONE: 1-855-821-7018 CONTACT:
CITY OF CANTON WATER 2436 30TH ST. NE CANTON, OH PHONE: 330-438-6808 CONTACT: RICK BODENSCHATZ	DOMINION EAST OHIO GAS 320 SPRINGSIDE DR, SUITE 320 AKRON, OH PHONE: 330-684-2410 CONTACT: JENNIFER DAVIS

AT&T TELEPHONE
ADDRESS
CITY
PHONE: 1-800-246-8484
CONTACT:

AEP OHIO POWER
850 TECH CENTER DR.
GAHANNA, OH
PHONE:
CONTACT: JULIE RHODEBACK

RESTRAINING PIPE NOTE:

NOTE: CONTRACTOR MUST FOLLOW BEST PRACTICE REGARDING SAFE EMBEDMENT DISTANCE & JOINT REINFORCEMENT OF COMPRESSION COUPLINGS PER D&C MANUAL



NORTH

DRAWING SCALE



REV	DESCRIPTION	DATE	BY



PIR 749
CITY OF Canton, STARK CO.

GENERAL NOTES

DATE: UPDATE	PROJECT ID#:
	P400017115

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CITY OF CANTON NOTES

THE FOLLOWING TERMS/CRITERIA APPLY TO WORK WITHIN CANTON CITY PUBLIC RIGHT-OF-WAY:

- PERMIT HOLDER/CONTRACTOR SHALL **NOTIFY THE CITY ENGINEER'S OFFICE (CIVIL DIVISION) 48 HRS IN ADVANCE OF COMMENCING WORK** IN THE PUBLIC RIGHT-OF-WAY; EXCEPTING WORK PERFORMED ON AN EMERGENCY BASIS TO PREVENT INJURY OR DAMAGES TO THE GENERAL PUBLIC OR EXISTING UTILITIES.
- THE PERMIT HOLDER/CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL. IN ADVANCE OF ANY WORK REQUIRING THE **FULL OR PARTIAL CLOSURE OF ROADWAYS, APPROVAL MUST BE OBTAINED FROM THE CITY ENGINEER'S OFFICE (TRAFFIC DIVISION)**. ALSO, PERMIT HOLDER AND/OR CONTRACTOR SHALL NOTIFY THE TRAFFIC DIVISION 72 HRS IN ADVANCE OF COMMENCING WORK IN THE ROADWAY FOR A PUBLIC NEWS RELEASE.
- PERMIT HOLDER/CONTRACTOR IS RESPONSIBLE FOR NOTIFYING UTILITY OWNERS TO HAVE EXISTING UTILITIES LOCATED AND MARKED. CALL O.U.P.S.
- PERMIT HOLDER/CONTRACTOR IS TO FOLLOW PROPOSED ROUTE SHOWN ON SUBMITTED DRAWINGS.
- CONDUIT INSTALLED UNDERGROUND IS NOT TO EXCEED PLANNED INSIDE DIAMETER AND WILL BE LAID AT A MINIMUM DEPTH OF 30" OF COVER UNLESS SAID DEPTH INTERFERES WITH EXISTING OR PROPOSED CONDUITS.
- THE FACILITIES INSTALLED MUST MAINTAIN A MINIMUM 3 FOOT HORIZONTAL CLEARANCE AND 1 FOOT VERTICAL CLEARANCE FROM EXISTING CITY UTILITIES AND STRUCTURES, THE CITY ENGINEER MAY DEEM GREATER CLEARANCE REQUIREMENTS AS NEEDED. EXCEPTIONS MUST BE APPROVED BY THE CITY ENGINEER
- PERMIT HOLDER/CONTRACTOR MUST NOTIFY CITY ENGINEER OR THE OWNER FOR APPROVAL PRIOR TO THE REMOVAL/ADJUSTMENT/REPLACEMENT OF STRUCTURES OR EQUIPMENT IN THE PUBLIC RIGHT-OF-WAY (I.E., PARKING METERS, PULL BOXES, MAILBOXES, TRAFFIC SIGNS, ETC.).
- PAVEMENTS SHALL BE SAW CUT (FULL PAVEMENT DEPTH) PRIOR TO COMMENCING EXCAVATIONS.
- PERMIT HOLDER/CONTRACTOR IS TO REMOVE EXCAVATED MATERIAL AND BACKFILL WITH ODOT TYPE 1 BACKFILL (304, 411, OR 617 AGGREGATE SPEC.) OR ODOT 613 LOW STRENGTH MORTAR BACKFILL IN THE PUBLIC RIGHT-OF-WAY. REUSE OF EXCAVATED MATERIAL AS BACKFILL UNDER PAVED AREAS MAY ONLY BE USED IF APPROVED BY THE CITY ENGINEER.
- BORING OF CONDUITS IS SUBJECT TO APPROVAL OF THE CITY ENGINEER BASED ON OUTSIDE DIAMETER OF CONDUIT, METHOD OF INSTALLATION, PROXIMITY OF OTHER UTILITIES, AND SURFACE TREATMENTS.
- PERMIT HOLDER/CONTRACTOR IS RESPONSIBLE FOR REPAIRING DAMAGED UTILITIES OR PAVEMENTS AND RESTORING DISTURBED AREAS AS A RESULT OF PROPOSED WORK. PAVEMENT SHALL BE RESTORED IN KIND. JOINTS IN ASPHALT SHALL BE SEALED WITH ASPHALT CEMENT. BRICK PAVERS MUST BE TOOTHED IN AT JOINTS. PAVEMENT CONSTRUCTED/RESTORED WITHIN THE RIGHT-OF-WAY MUST MEET CITY SPECIFICATIONS. REINSTALL PAVEMENT MARKINGS AS DIRECTED BY THE CITY ENGINEER. THE CITY ENGINEER WILL REQUIRE FULL LANE WIDTH OR FULL PAVEMENT WIDTH RESURFACING DEPENDENT UPON LENGTH, WIDTH, AND NUMBER OF OPEN CUT TRENCHES. SIDEWALK AND/OR CURB REPLACEMENT/INSTALLATION MUST BE PERFORMED UNDER A SIDEWALK/CURB CONSTRUCTION PERMIT (\$5.00) BY A CONTRACTOR LICENSED WITH THE CITY ENGINEERING DEPARTMENT. TEMPORARY PAVEMENT MAY BE REQUIRED BY THE CITY ENGINEER, IN THE EVENT PERMANENT RESTORATION IS DELAYED DUE TO WEATHER OR OTHER UNFORESEEN CIRCUMSTANCES.
- PERMIT HOLDER/CONTRACTOR IS RESPONSIBLE FOR LAWN RESTORATION UNLESS RELEASED BY ADJOINING PROPERTY OWNER. LAWN AREAS ARE TOP BE TOPSOIL, IN-KIND PERENNIAL GRASS SEED, AND MULCH; WATER AND FERTILIZE AS NEEDED.
- ANY PORTION OF WALKS OR CURBS DISTURBED/REPLACED IN THE AREA OF A CURB RETURN AT STREET/ALLEY INTERSECTIONS MUST INCLUDE THE INSTALLATION OF WHEELCHAIR RAMPS. WHEELCHAIR RAMPS CONSTRUCTED/RESTORED MUST MEET CITY STANDARD #33, WITH TRUNCATED DOMES.
- UTILITY OWNERS SHALL BE RESPONSIBLE FOR RELOCATION AND/OR REMOVAL OF THEIR UTILITIES, **ACTIVE OR ABANDONED FACILITIES**, IN THE PUBLIC RIGHT-OF-WAY UPON REQUEST FROM THE CITY OF CANTON.
- TREES ALONG WORK IN THE PUBLIC RIGHT-OF-WAY: THE PERMIT HOLDER/CONTRACTOR MUST ALLOW A CITY ENGINEER APPOINTED ARBORIST TO INSPECT THE TREE PRIOR TO COMMENCING WORK TO ASSESS THE TREE/S AND DETERMINE IF REMOVAL OF TREE/S IS NECESSARY. PERMIT HOLDER/CONTRACTOR MUST REIMBURSE THE CITY FOR THE COST OF THE ARBORIST. REMOVAL OF TREE/S AND STUMPS AND IF APPLICABLE, THE REPLACEMENT OF TREES, IS AT THE EXPENSE OF THE PERMIT HOLDER/CONTRACTOR.
- WORKING HOURS IN THE PUBLIC RIGHT-OF-WAY ARE MONDAY THRU FRIDAY, 8:00 AM TO 4:30 PM; EXCEPTING STATE AND FEDERAL HOLIDAYS. WORK ON SATURDAYS, HOLIDAYS, OR AFTER HOURS ARE SUBJECT TO CITY ENGINEER APPROVAL AND COST OF INSPECTION.
- PUBLIC UTILITY WORK IS SUBJECT TO INSPECTION FEES.

NOT WITHSTANDING THE ABOVE, THE APPLICANT DOES NOT WAIVE, AND SPECIFICALLY RESERVES ANY AND ALL OF ITS LEGAL RIGHTS UNDER THE LAW, BOTH COMMON AND STATUTORY.


WATER DEPARTMENT NOTES

1. AT ANY WATER LINE CROSSING, PRIOR TO GAS LINE INSTALLATION THE WATER LINE IS TO BE EXPOSED BY THE CONTRACTOR TO DETERMINE THE WATER LINE ELEVATION.
2. MAINTAIN 12" VERTICAL CLEARANCE BETWEEN WATER LINES AND GAS LINES. MAINTAIN 3 FOOT HORIZONTAL CLEARANCE BETWEEN WATER LINES AND GAS LINES.
3. ANY WATER SERVICE LINE THAT IS BROKEN, CUT OR OTHERWISE DAMAGED, SHALL BE REPLACED FROM THE CORPORATION STOP TO THE CURB STOP WITH A SINGLE PIECE OF PLASTIC SERVICE LINE (DRISCOPEX). NO SPLICING OF THE SERVICE LINE WILL BE PERMITTED.
4. THE CONTRACTOR SHALL TAKE ANY AND ALL NECESSARY PRECAUTIONS TO PROTECT AND MAINTAIN IN SERVICE, ANY EXISTING WATER MAINS EXPOSED DURING CONSTRUCTION.

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DRAWING SCALE



0 20' 40'

REV #	DESCRIPTION	DATE	BY



PIR 749
CITY OF Canton, STARK CO.

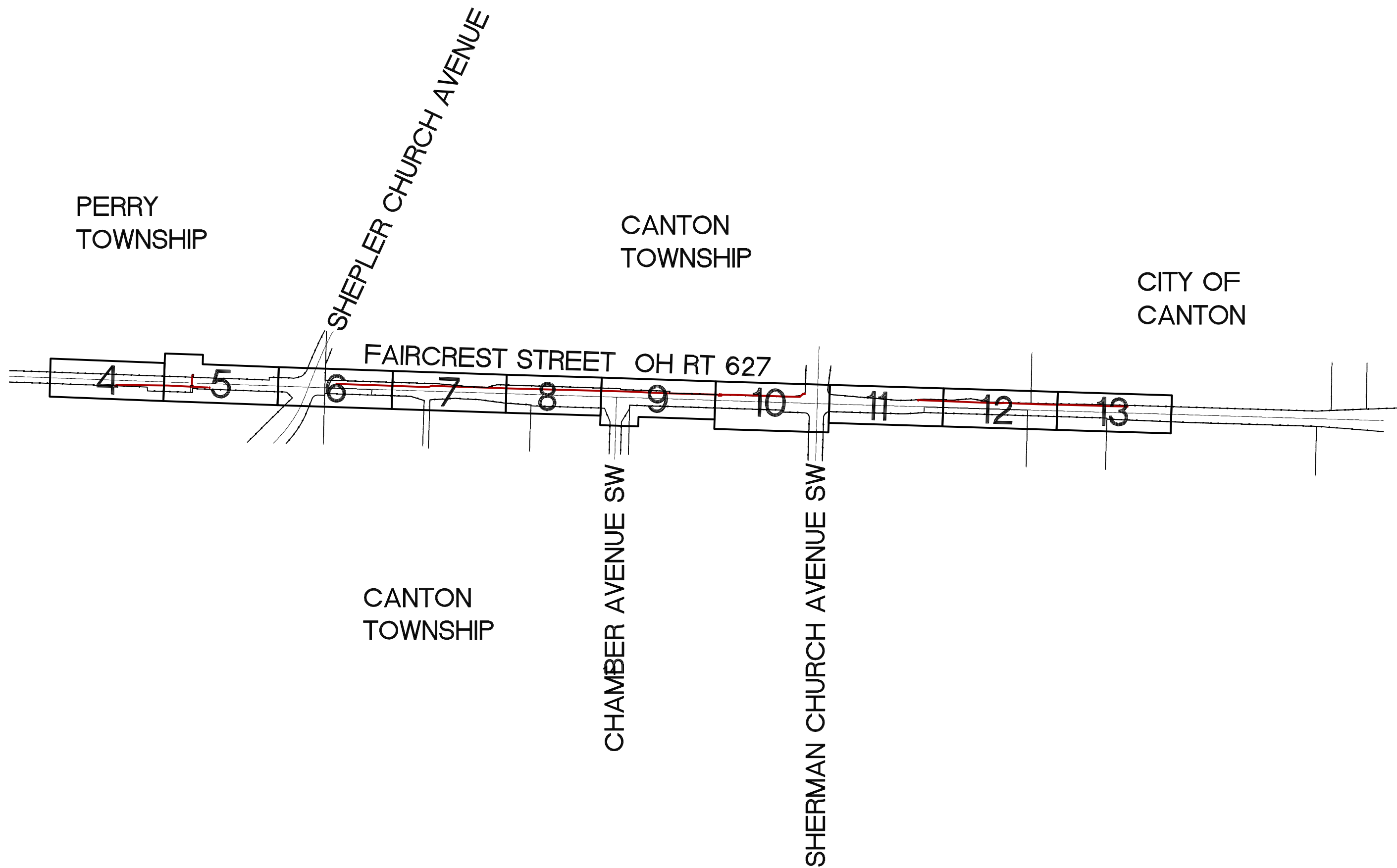
GENERAL NOTES

DATE: UPDATE

PROJECT ID#: P400017115

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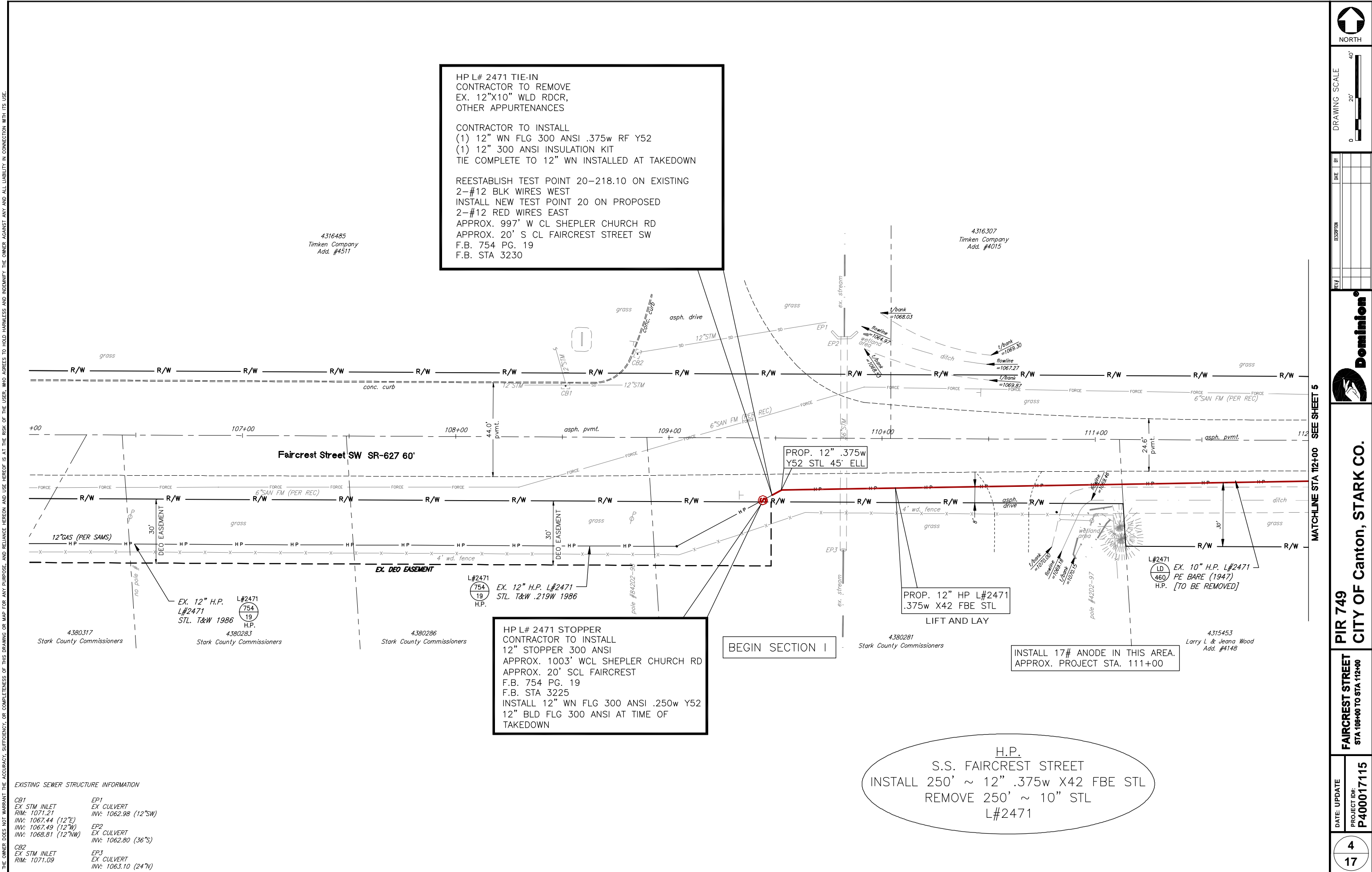
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EXISTING SEWER STRUCTURE INFORMATION

CB1 EX STM INLET RIM: 1071.21 INV: 1067.44 (12"E) INV: 1067.49 (12"W) INV: 1068.81 (12"NW)	EP1 EX CULVERT INV: 1062.98 (12"SW) EP2 EX CULVERT INV: 1062.80 (36"S)
CB2 EX STM INLET RIM: 1071.09	EP3 EX CULVERT INV: 1063.10 (24"N)



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HP L# 2471 TIE-IN
CONTRACTOR TO REMOVE
APPROXIMATELY 4' EX 6" STL AS REQUIRED

CONTRACTOR TO INSTALL
2-6" 90' WLD ELLS .280w GrB
1-6" WN FLG 300 ANSI RF .219w GrB
ON EX 6" STL
1-6" WN FLG 300 ANSI .280w GrB ON
PROP. PIPE
1-6" 300 ANSI INSULATION KIT
APPROX. 597.7' W CL SHEPLER CHURCH RD
APPROX. 4' NNPL FAIRCRESS STREET
F.B. 744 PG. 88
F.B. STA. 80.3

HP L# 2471 TIE-IN
CONTRACTOR TO REMOVE
EX. 12" WN FLG & 12" BLD FLG INSTALLED AT TAKEDOWN
OTHER FITTINGS AS REQUIRED

CONTRACTOR TO WELD TO EX. 12" T&W STL .219w
USING 5' PUP OF FBE STL .281w
REESTABLISH TEST POINT 28-215.10
APPROX. 530' WCL SHEPLER CHURCH RD
APPROX. 18' SCL FAIRCRESS STREET

HP L# 2471 STOPPER
CONTRACTOR TO INSTALL
12" STOPPER 300 ANSI
APPROX. 520' WCL SHEPLER CHURCH RD
APROX. 21' SCL FAIRCRESS STREET SW
F.B. 754 PG. 23
F.B. STA 520
INSTALL 12" WN FLG 300 ANSI .250w Y52
12" BLD FLG 300 ANSI AT TIME OF TAKEDOWN

PROP. 6" HP L#2471 .280w
GrB FBE STL WITH POWERCRETE
MANDATORY BORE ACROSS
FAIRCRESS STREET
STATE ROUTE 627

REFER TO SHEET 5A
FOR BLOW UP DETAIL

PROP. 12" HP L#2471
.375w X42 FBE STL
LIFT AND LAY

NOTE:
EX. 12" APPROX. 5' TO 6'
DEEP IN THIS AREA

INSTALL 17# ANODE IN THIS AREA.
APPROX. PROJECT STA. 113+00

END SECTION I

H.P.
X-O FAIRCRESS STREET
INSTALL 80' ~ 6" .280w GrB FBE STL W/
POWERCRETE
ABANDON 80' ~ 6" STL
L#2471

H.P.
S.S. FAIRCRESS STREET
INSTALL 225' ~ 12" .375w X42 FBE STL
INSTALL 5' ~ 12" .281w X42 FBE STL
REMOVE 230' ~ 10" STL
L#2471

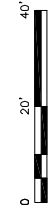
EXISTING SEWER STRUCTURE INFORMATION

CB3 EX STM INLET RIM: 1076.51 INV: 1074.11 (21"W) INV: 1074.07 (21"E) INV: 1074.81 (4"S)	CB5 EX STM INLET RIM: 1075.92 INV: 1074.07 (12"W) INV: 1076.11 (12"W) INV: 1074.07 (12"E) INV: 1076.17 (12"E)	CB7 EX STM INLET RIM: 1081.87 INV: 1079.22 (21"W) INV: 1079.19 (18"E) INV: 1081.90 (4"N) INV: 1080.41 (6"W)	EP6 EX CULVERT RIM: 1081.12 (8"N) INV: 1073.12 (8"E)	EP10 EX CULVERT RIM: 1075.74 (12"E)
CB4 EX STM INLET RIM: 1077.98 INV: 1075.44 (21"W) INV: 1075.46 (21"E) INV: 1078.01 (4"NW) INV: 1076.83 (4"E)	CB6 EX STM INLET RIM: 1080.32 INV: 1077.80 (21"E) INV: 1077.72 (21"W)	EP4 EX CULVERT RIM: 1071.96 (15"E)	EP8 EX CULVERT RIM: 1073.35 (18"W)	EP11 EX CULVERT RIM: 1082.24 (18"W)
	EP5 EX CULVERT RIM: 1072.81 (12"W)	EP9 EX CULVERT RIM: 1073.44 (21"E)		



NORTH

DRAWING SCALE



DATE: BY: DESCRIPTION: REV:



SEE SHEET 6

PIR 749
CITY OF Canton, STARK CO.

FAIRCRESS STREET
STA 112+00 TO STA 118+00

DATE: UPDATE
PROJECT ID#: P400017115

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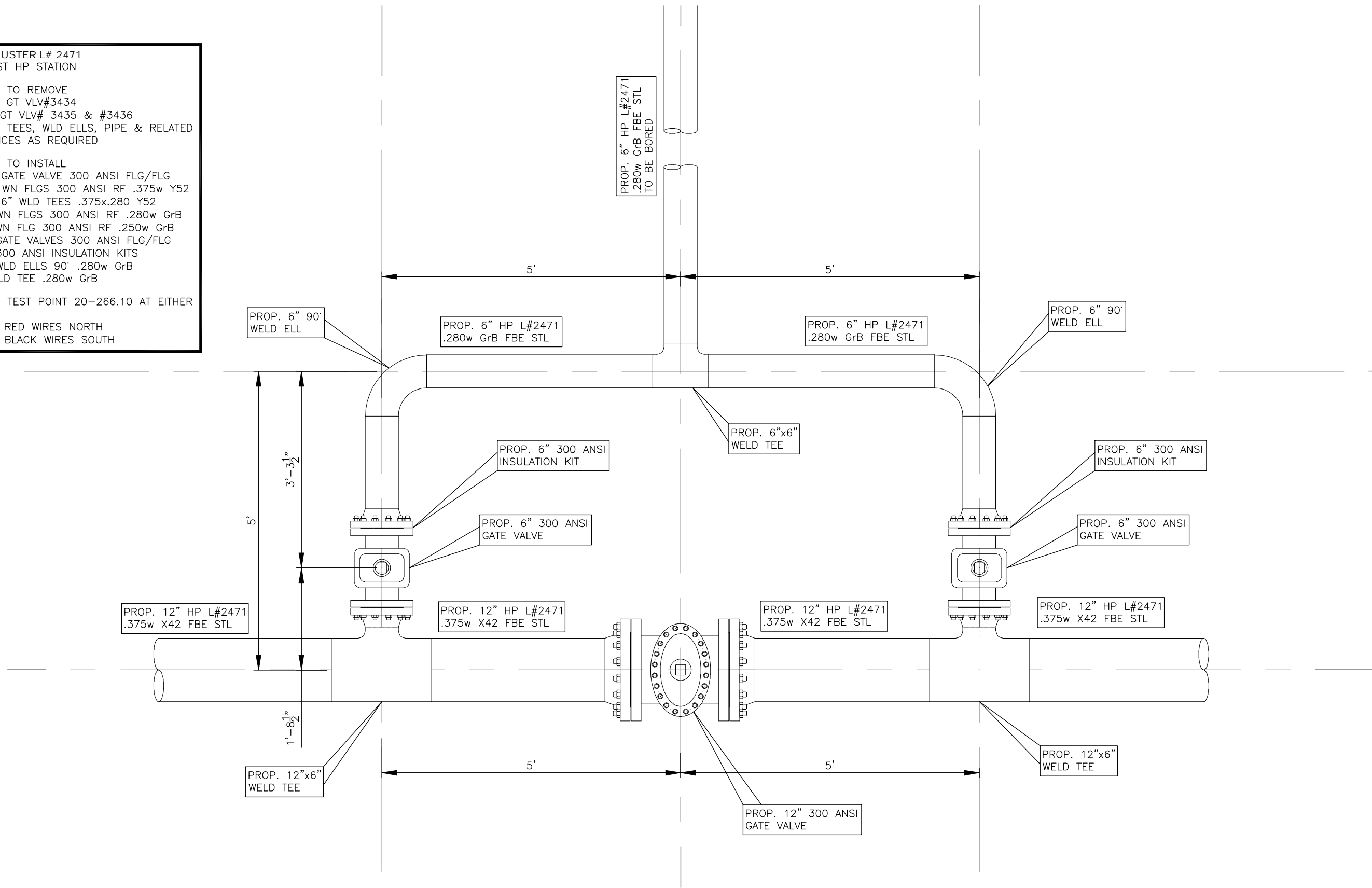
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HP GATE CLUSTER L# 2471
TO FAIRCREST HP STATION

CONTRACTOR TO REMOVE
EX 10" GT VLV#3434
EX 6" GT VLV# 3435 & #3436
6" WLD TEES, WLD ELLS, PIPE & RELATED
APPURTENANCES AS REQUIRED

CONTRACTOR TO INSTALL
1-12" GATE VALVE 300 ANSI FLG/FLG
2-12" WN FLGS 300 ANSI RF .375w Y52
2-12"x6" WLD TEES .375x.280 Y52
5-6" WN FLGS 300 ANSI RF .280w GrB
1-6" WN FLG 300 ANSI RF .250w GrB
2-6" GATE VALVES 300 ANSI FLG/FLG
2-6" 300 ANSI INSULATION KITS
2-6" WLD ELLS 90' .280w GrB
1-6 WLD TEE .280w GrB

REESTABLISH TEST POINT 20-266.10 AT EITHER
6" GATE
2-#12 RED WIRES NORTH
2-#12 BLACK WIRES SOUTH



NORTH

20'

10'

0

DRAWING SCALE

DATE

BY

DESCRIPTION

REV

PIR 749

FAIRCREST

CLUSTER VALVE

DETAIL

DATE: UPDATE

PROJECT ID#:

P400017115

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Dominion

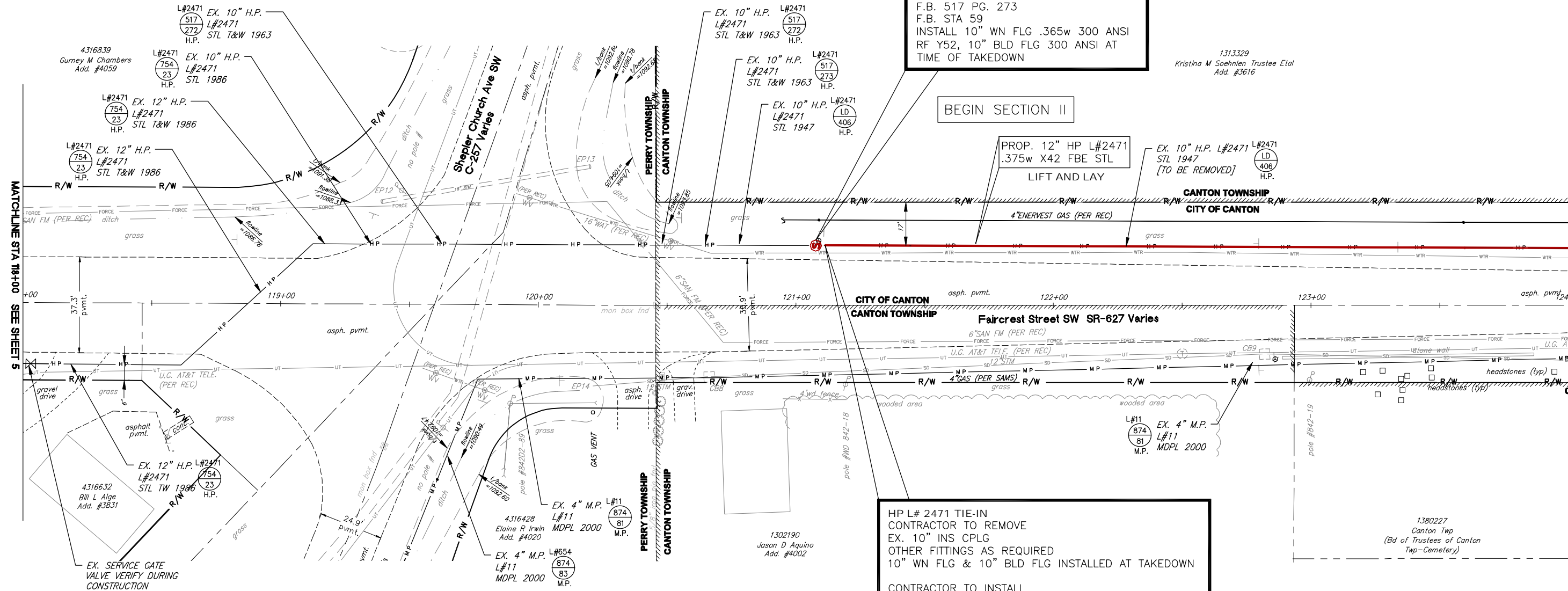
CITY OF Canton, STARK CO.

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THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

EXISTING SEWER STRUCTURE INFORMATION		
CB8	EX STIM INLET	EP12
RIM: 1095.79	INV: 1093.62 (12"W)	EX CULVERT
INV: 1093.84 (12"E)		INV: 1088.45 (18"E)
CB9	EX STIM INLET	EP13
RIM: 1107.50	INV: 1102.43 (12"W)	EX CULVERT
INV: 1103.78 (12"E)		INV: 1088.83 (18"W)
		EP14
		EX CULVERT
		INV: 1092.45 (12"E)



SEE SHEET 5 MATCHLINE STA 118+00 SEE SHEET 7 MATCHLINE STA 124+00

NORTH

0

20'

40'

DRAWING SCALE

DATE

BY

DESCRIPTION

REV

PIR 749

FAIRCRESS STREET

STA 118+00 TO STA 124+00

DATE: UPDATE

PROJECT ID#

P400017115

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Dominion

CITY OF Canton, STARK CO.

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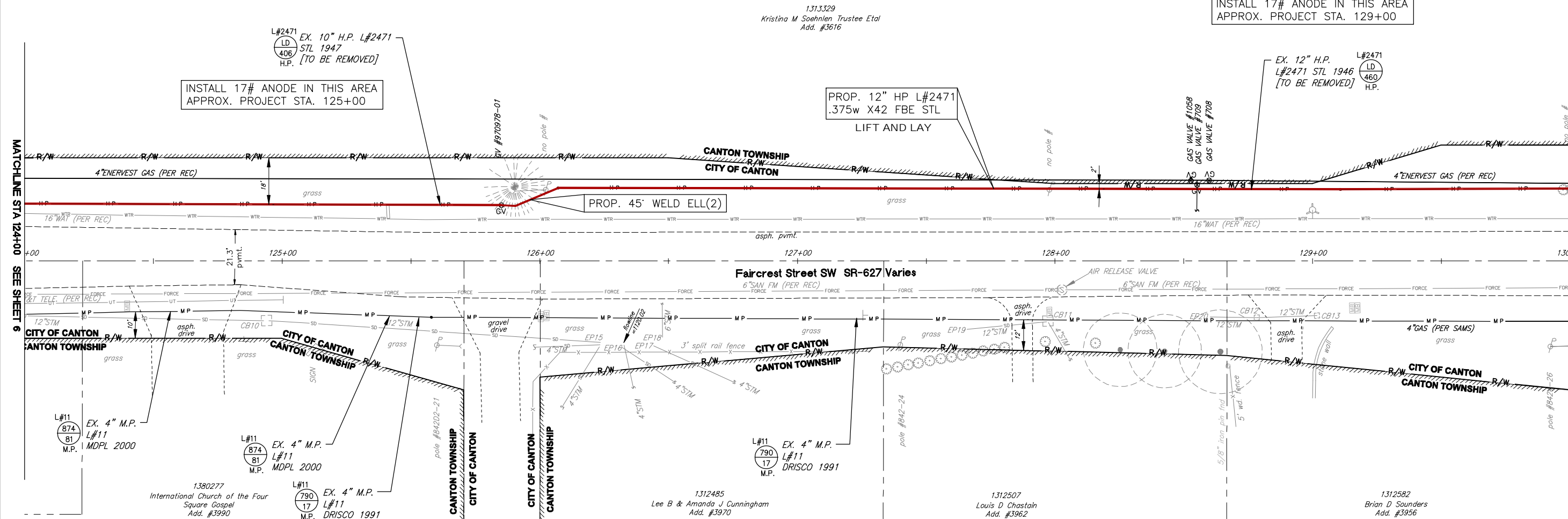
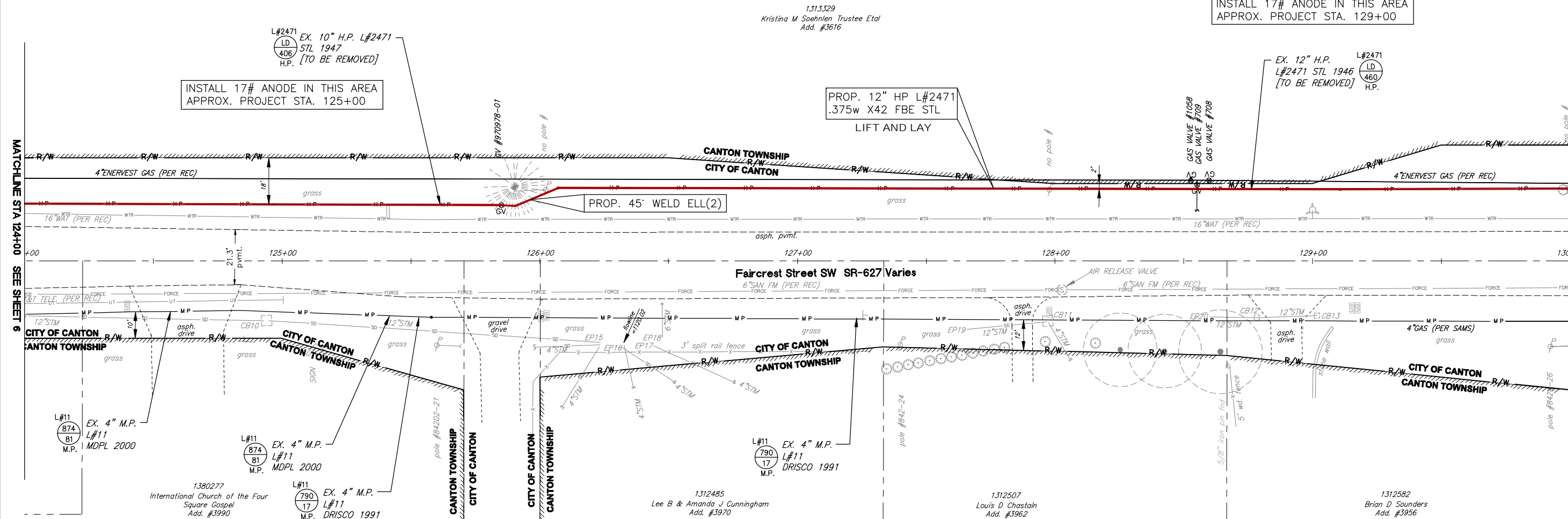
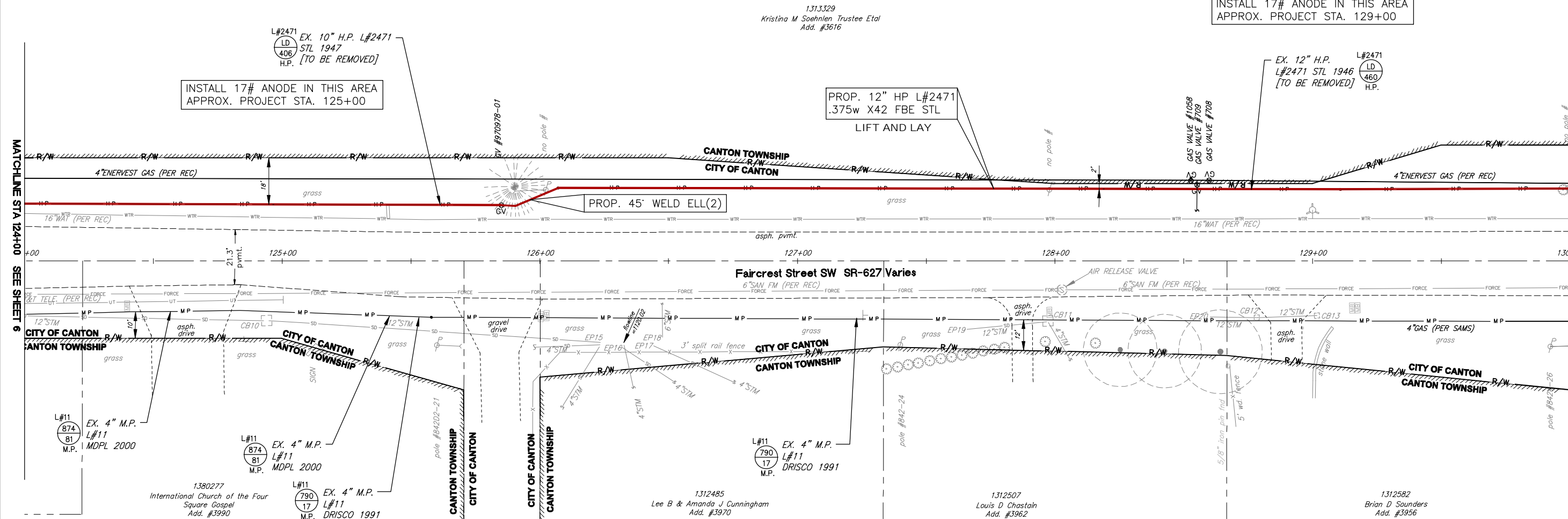
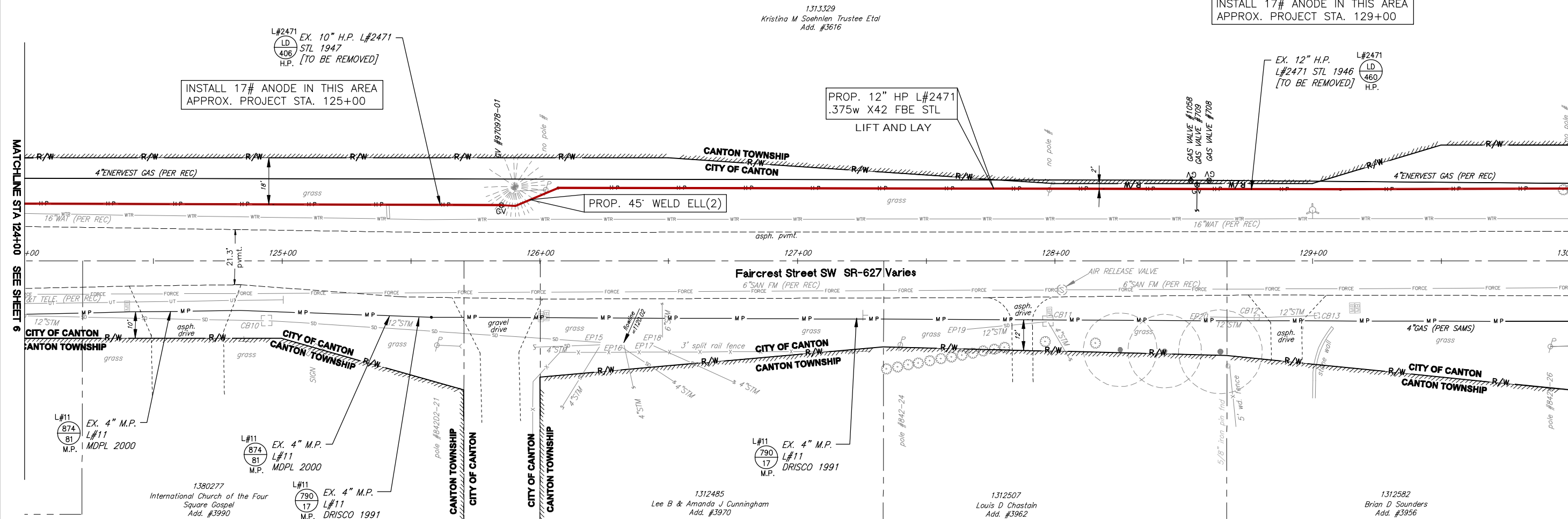
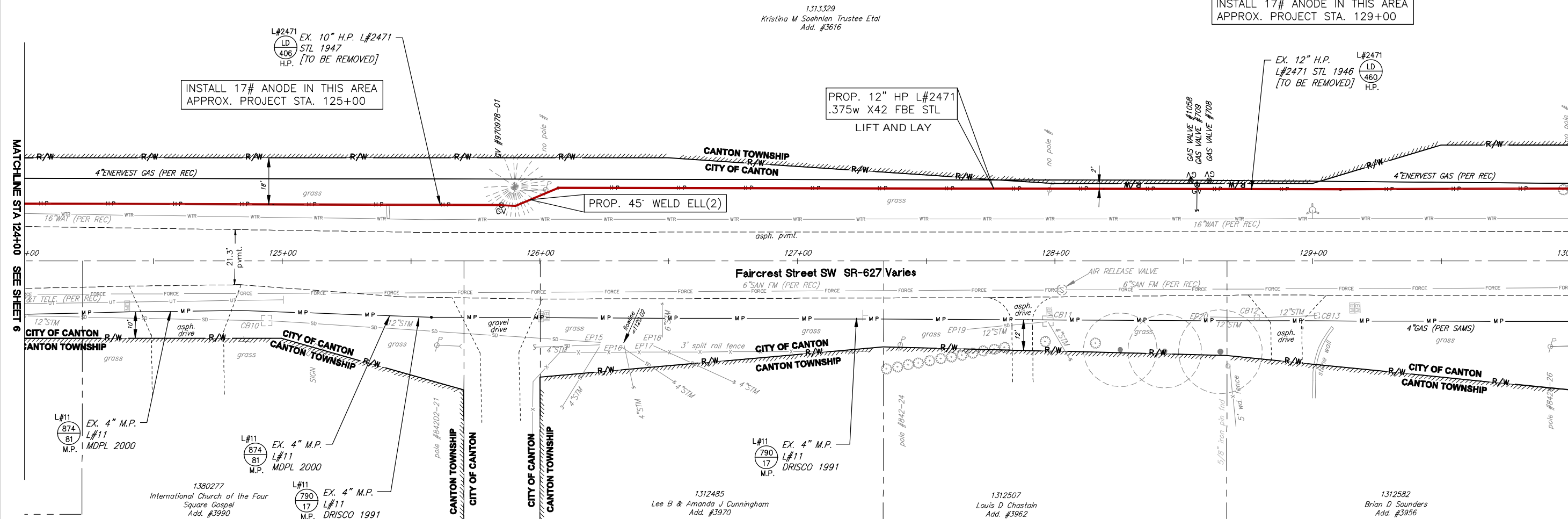
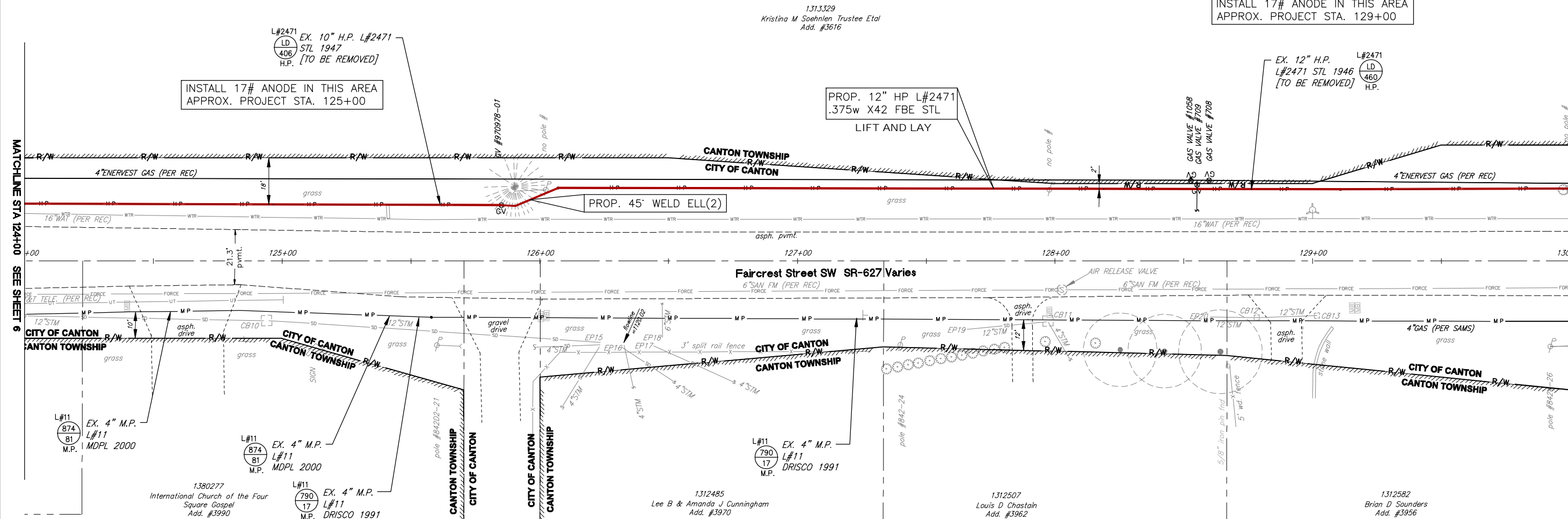
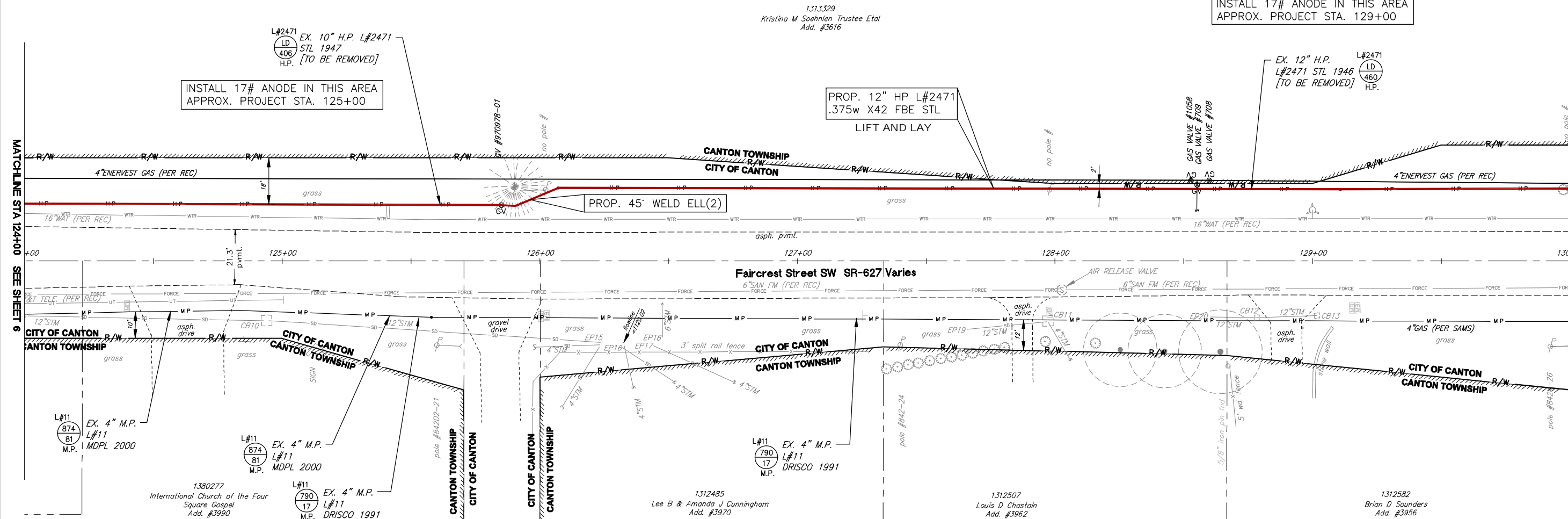
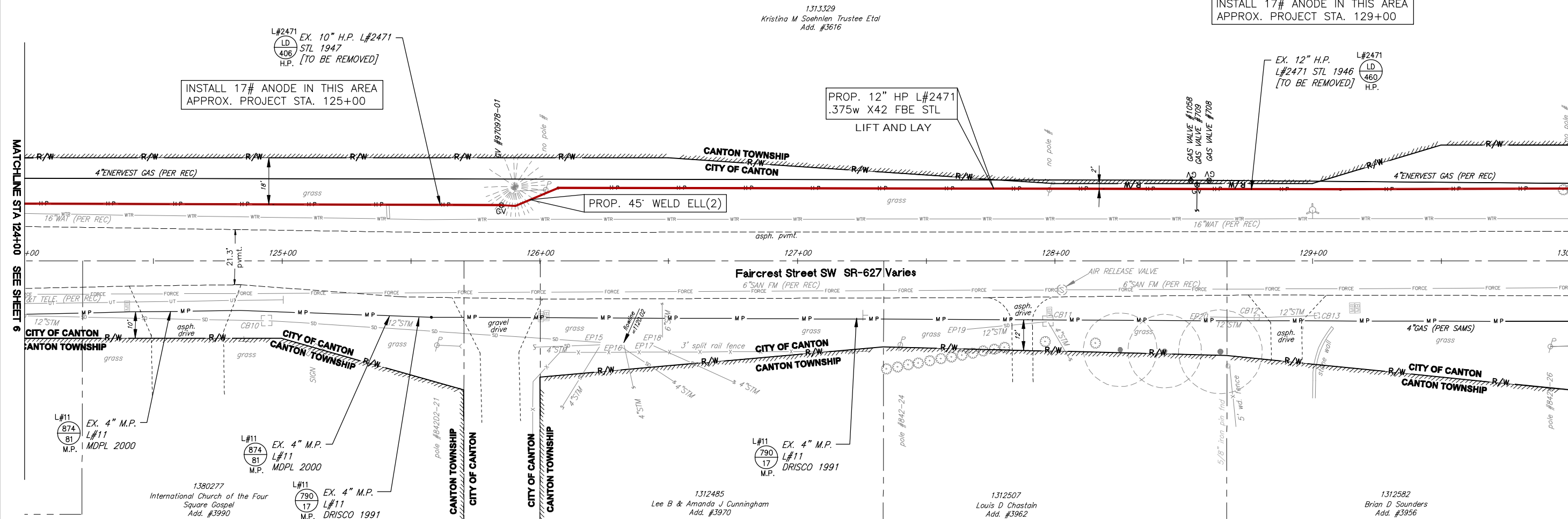
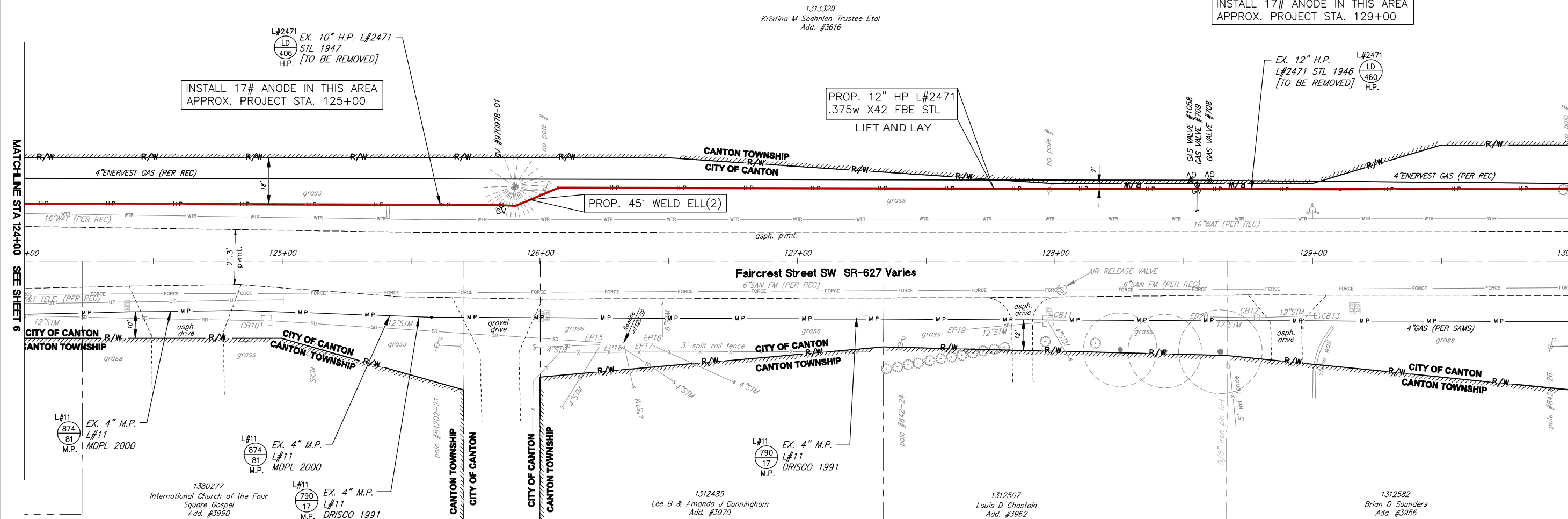
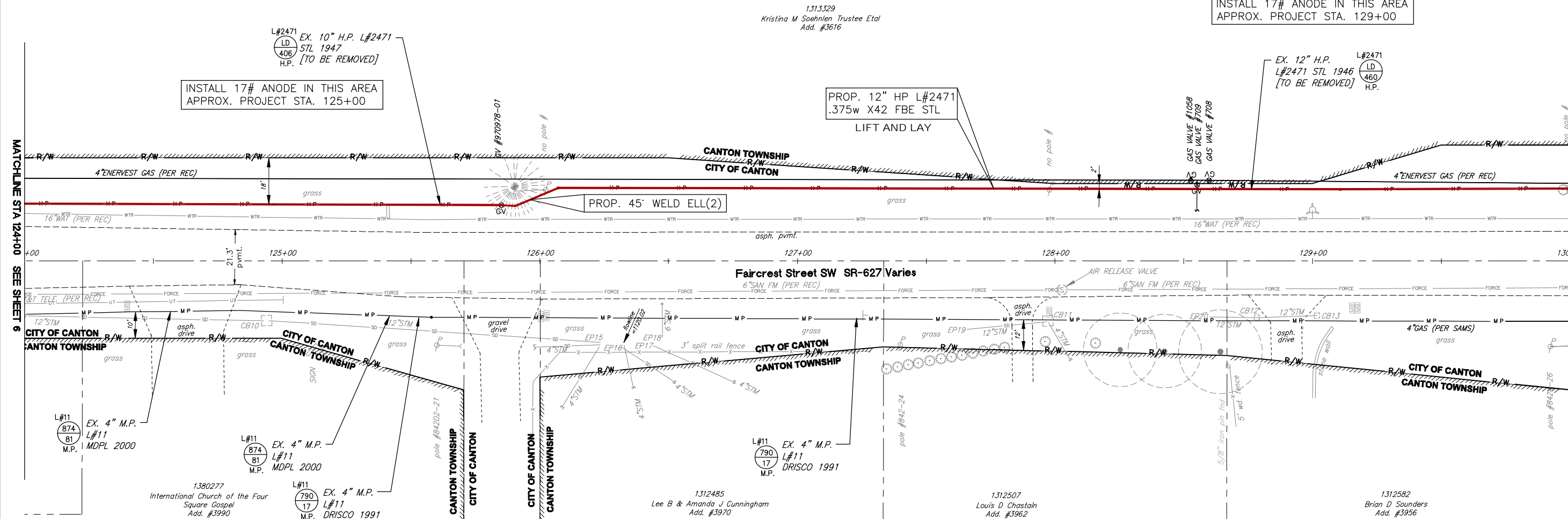
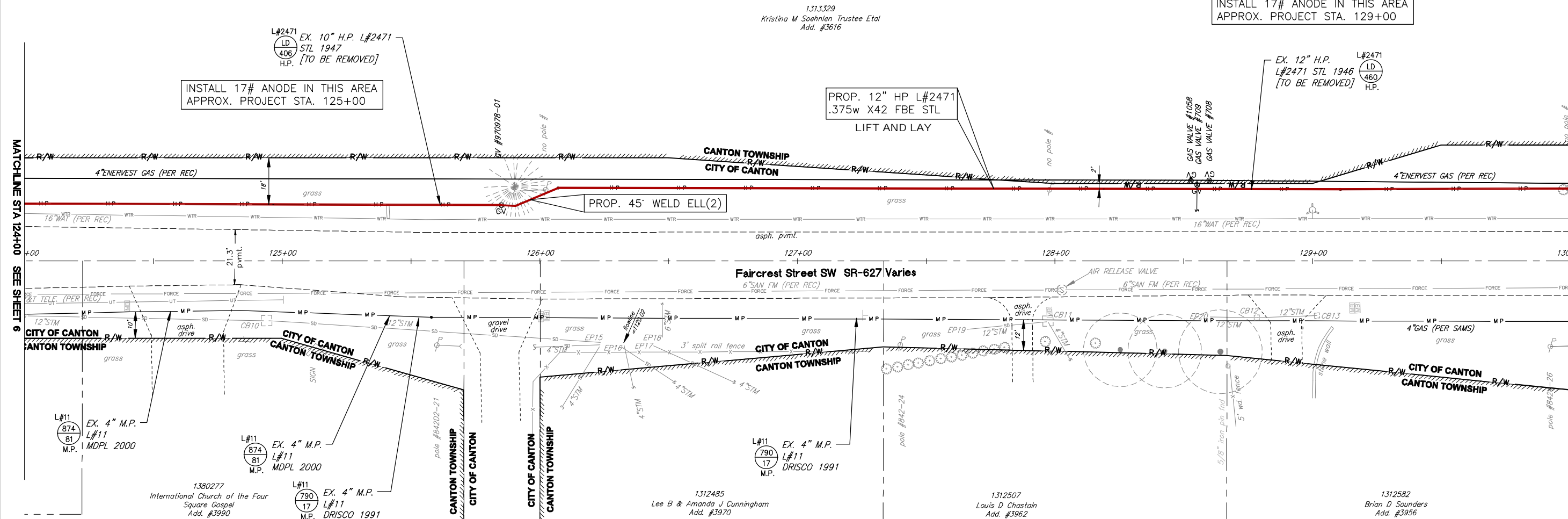
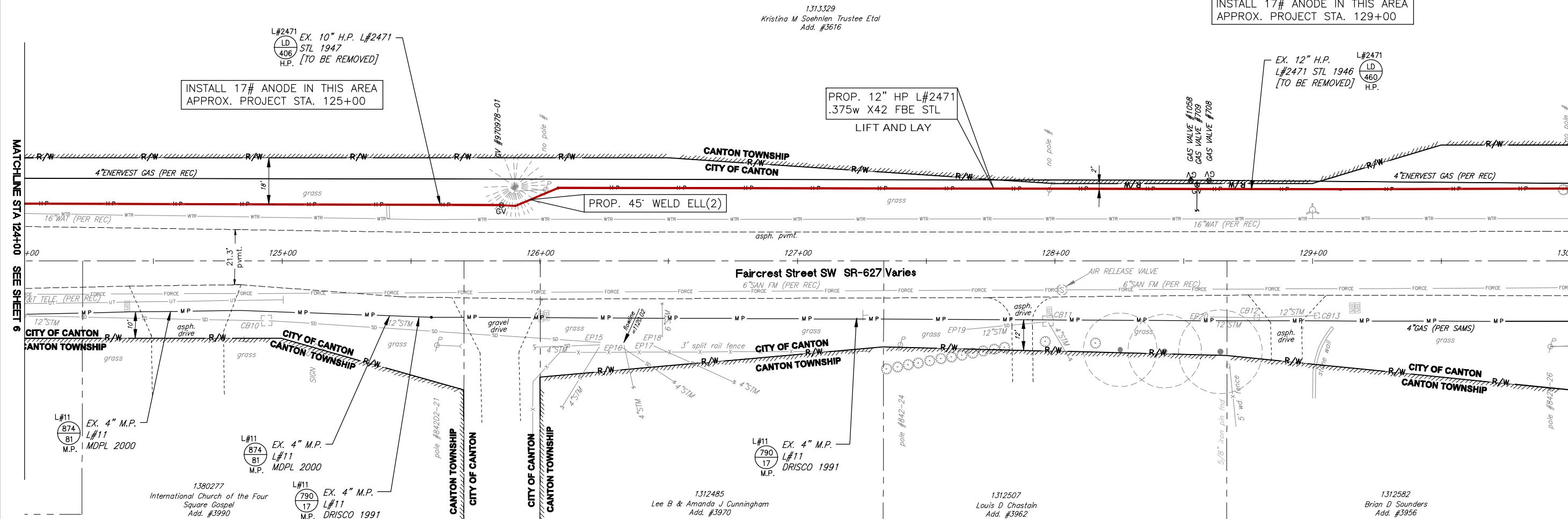
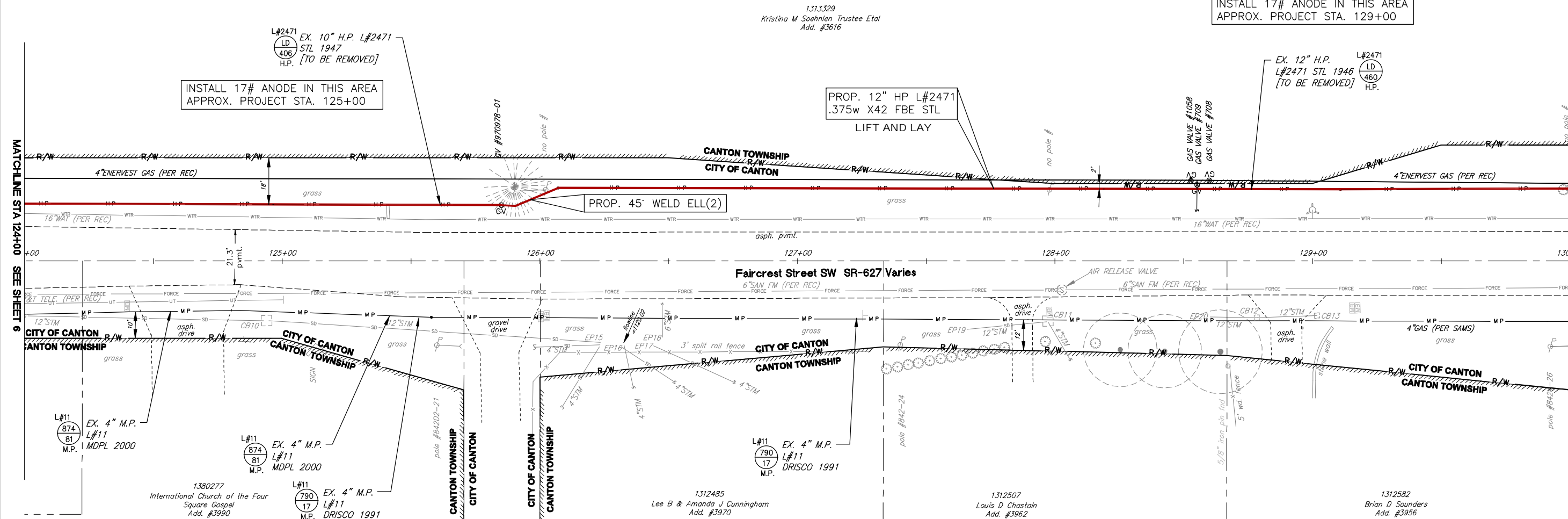
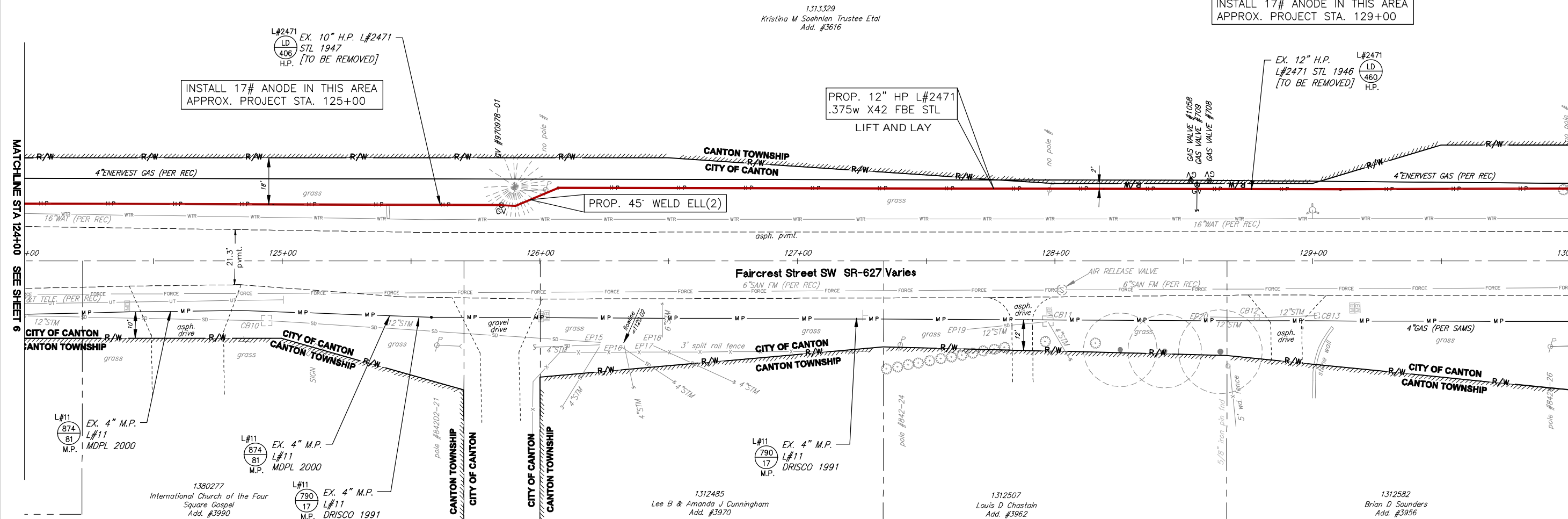
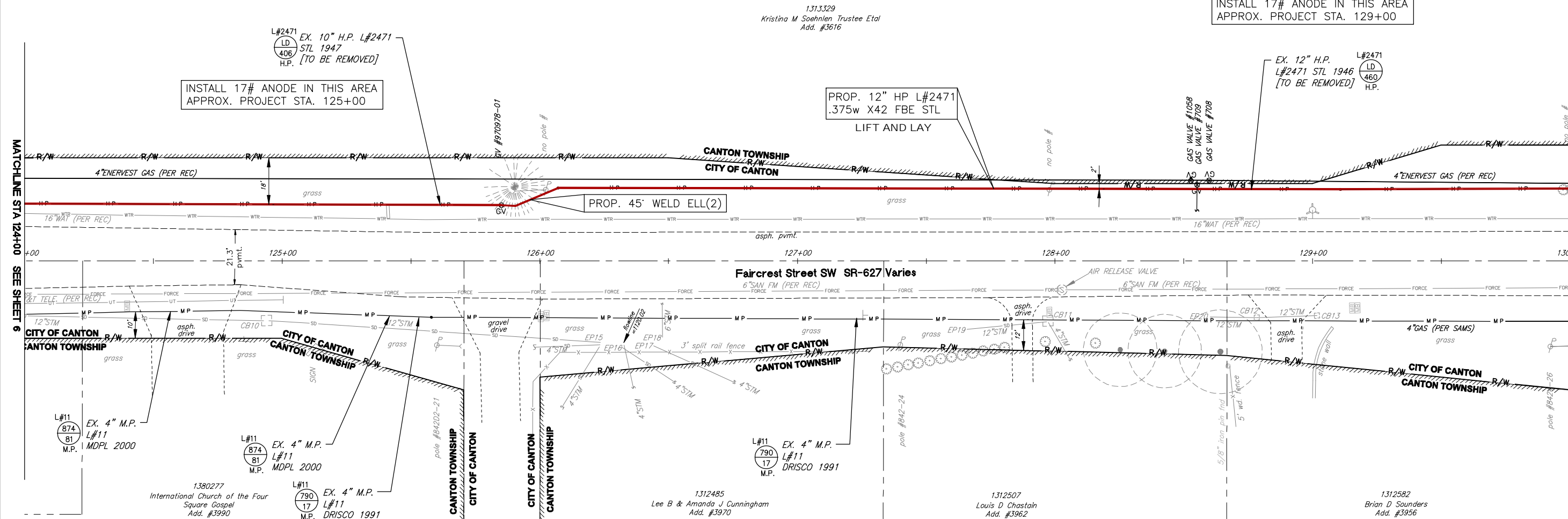
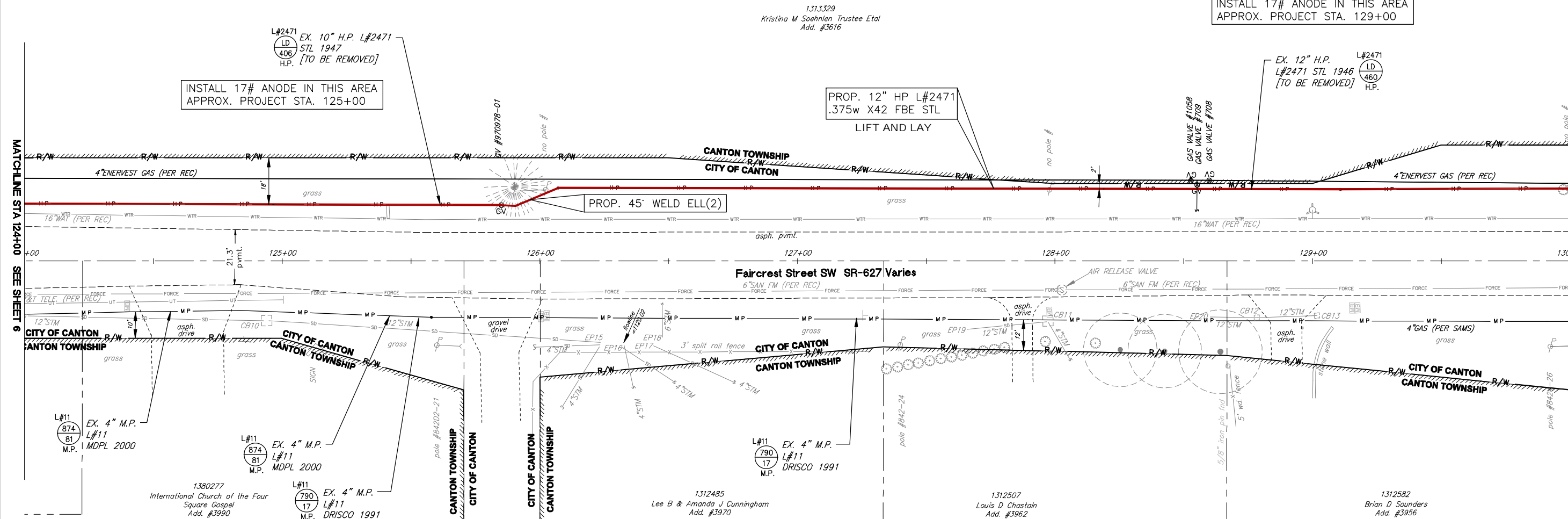
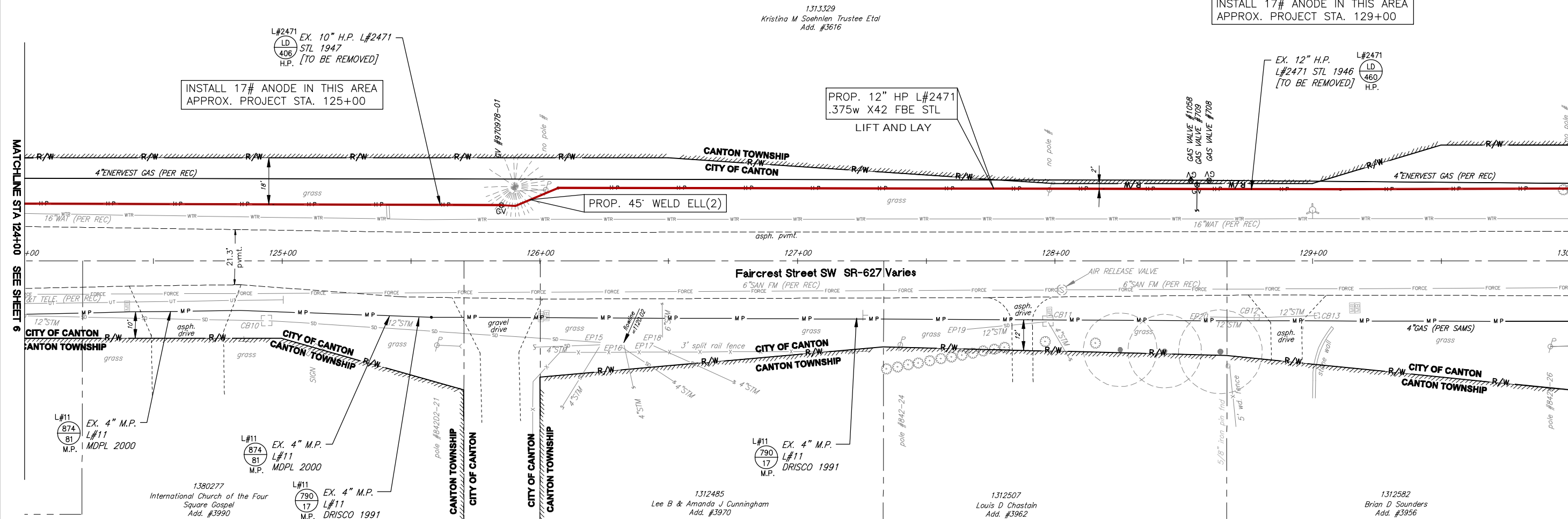
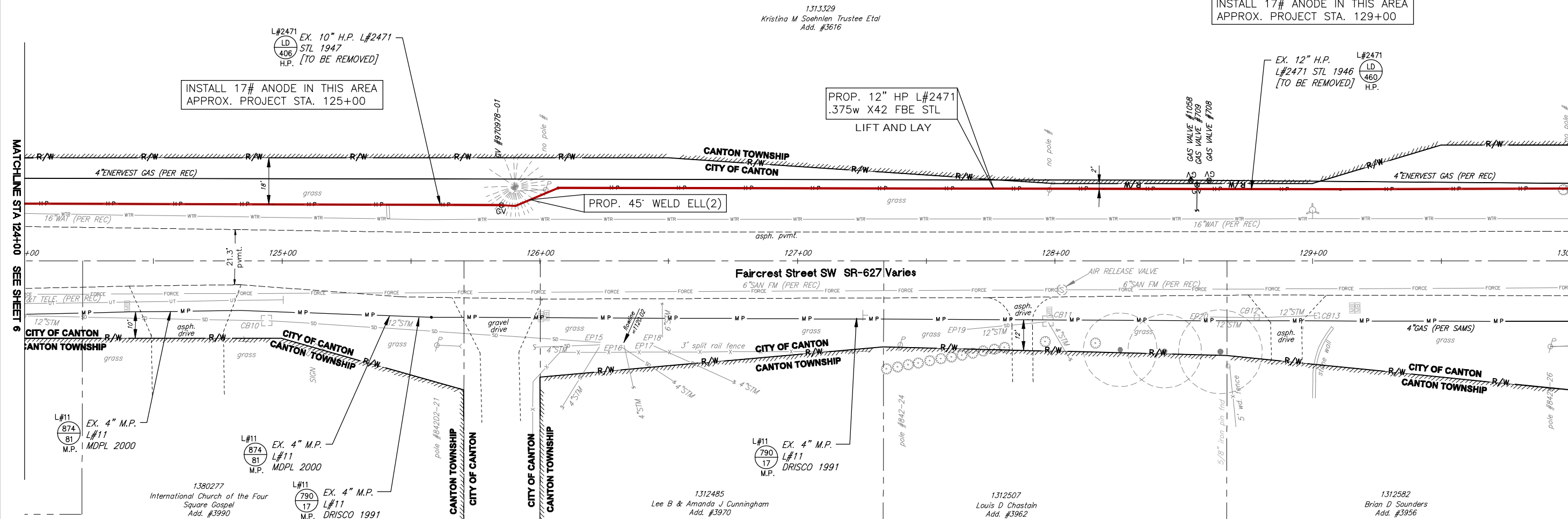
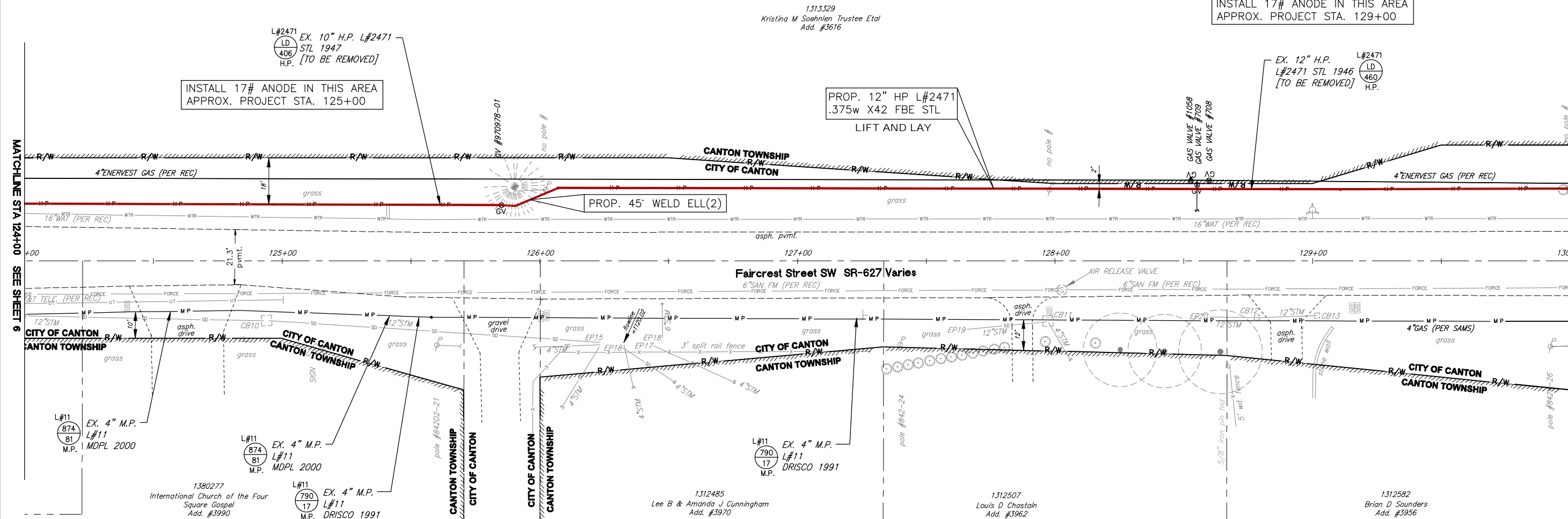
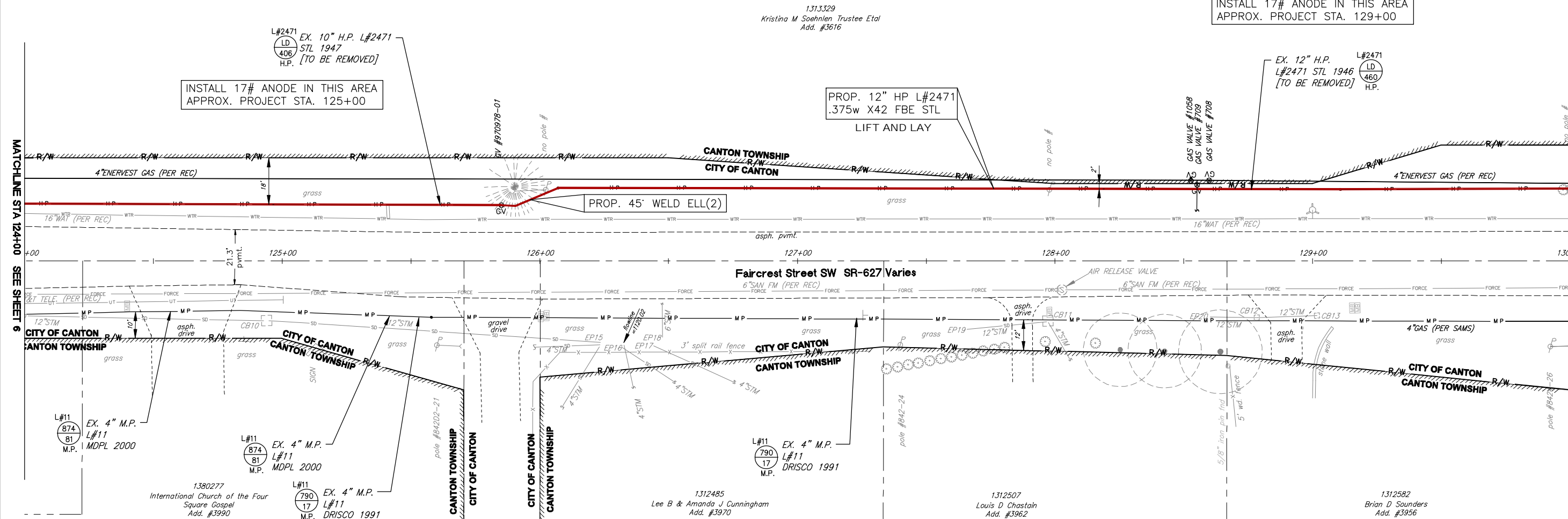
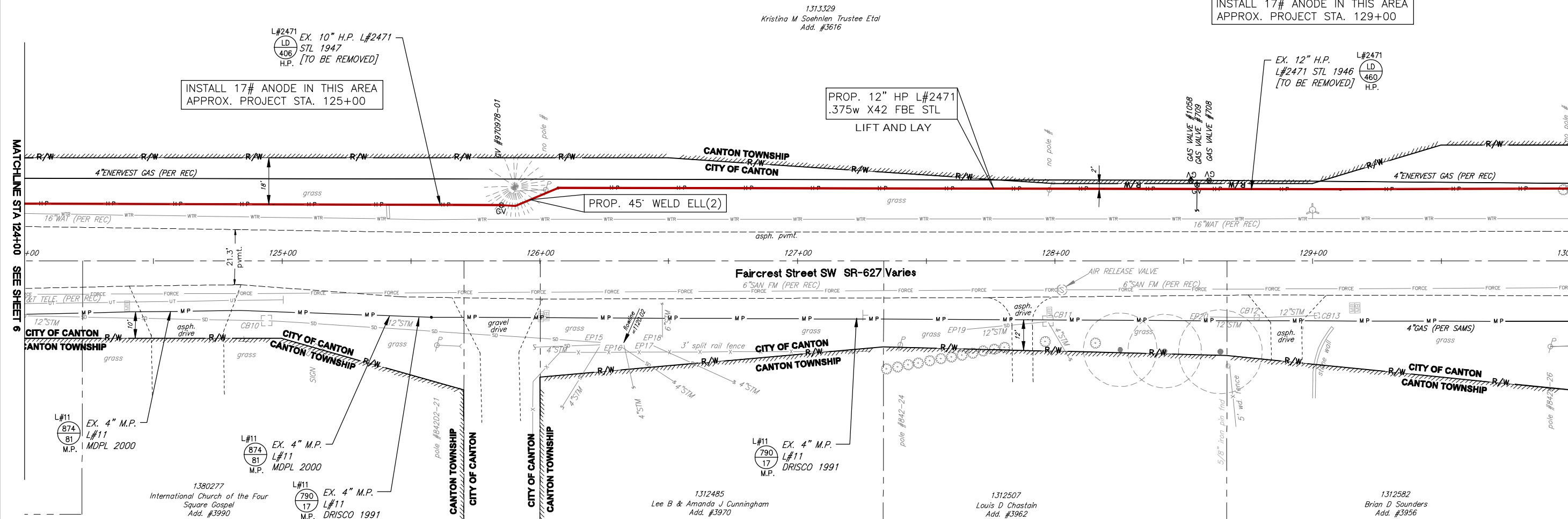
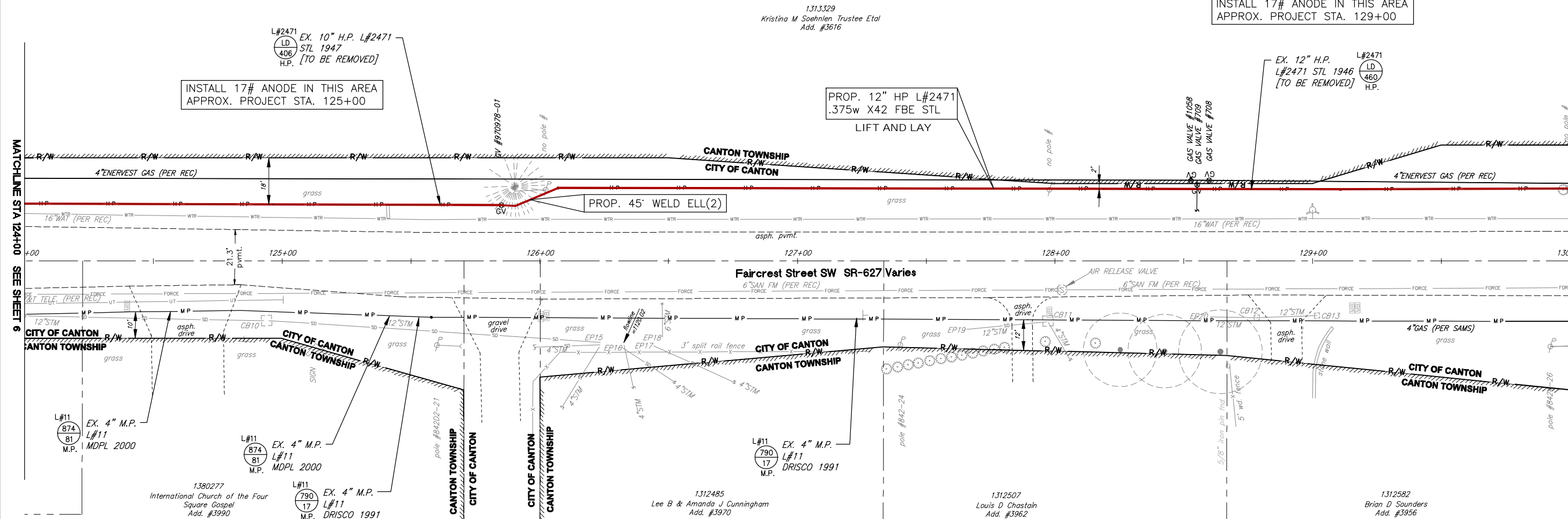
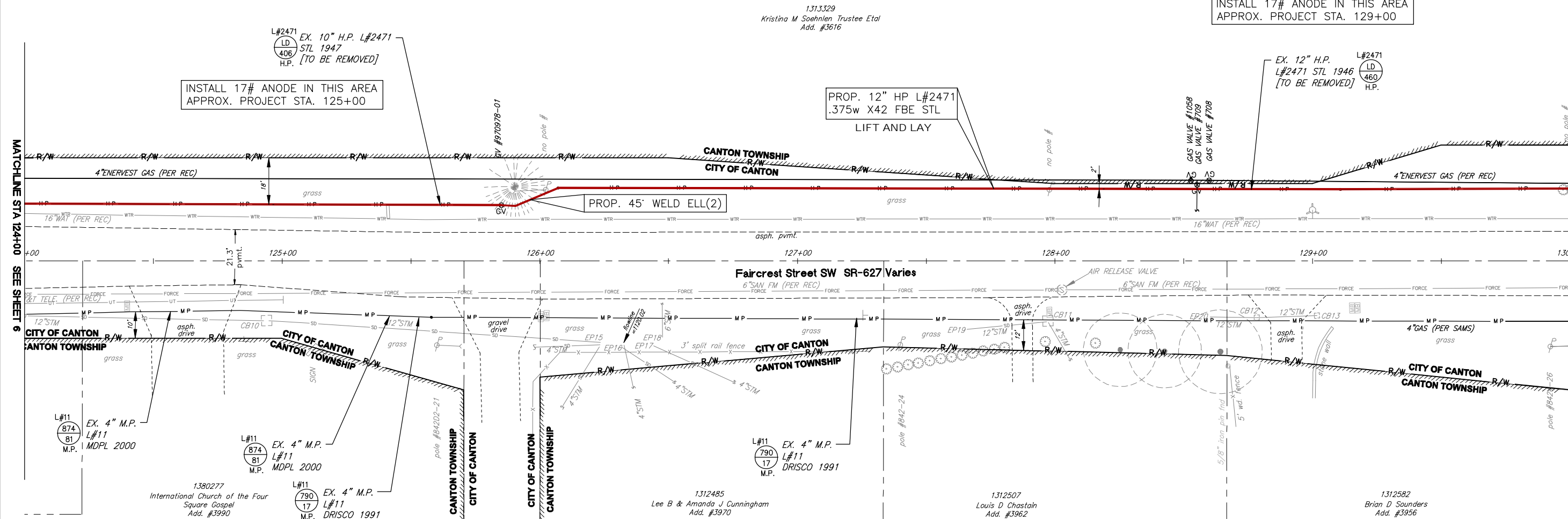
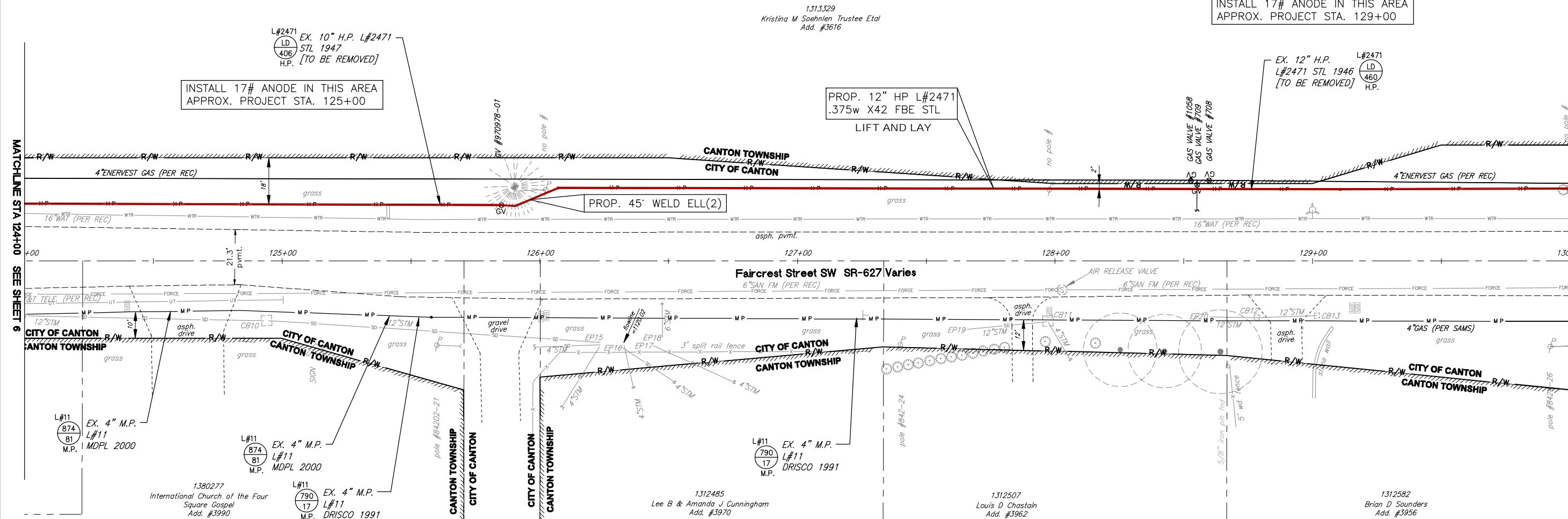
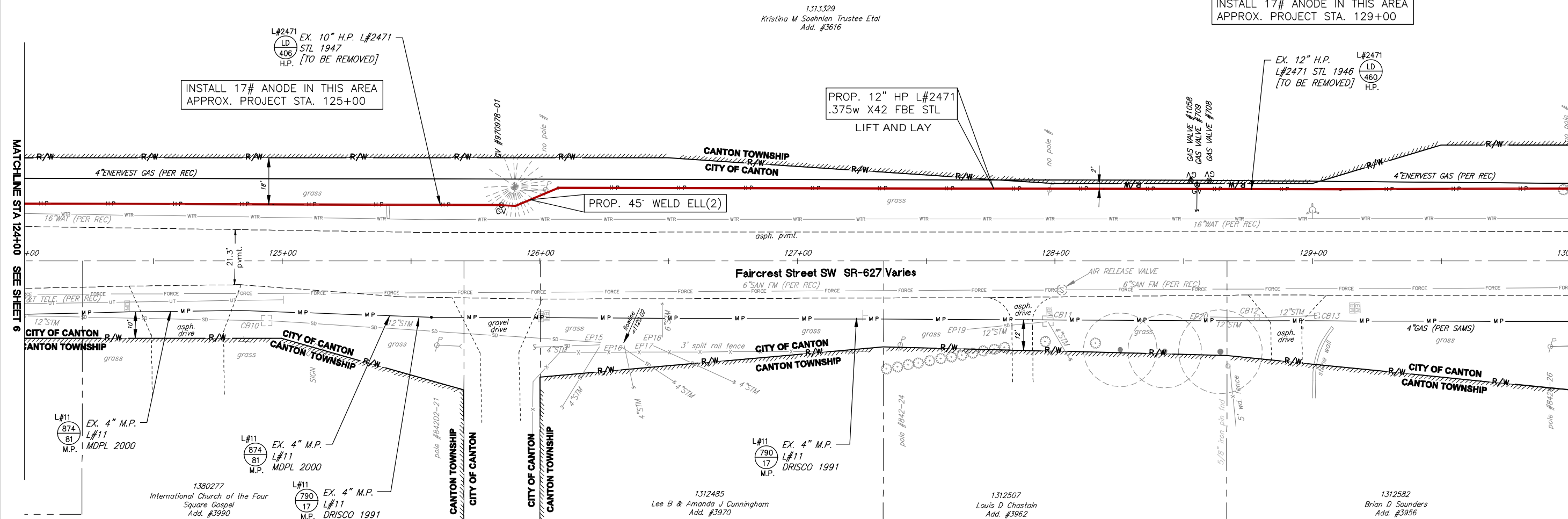
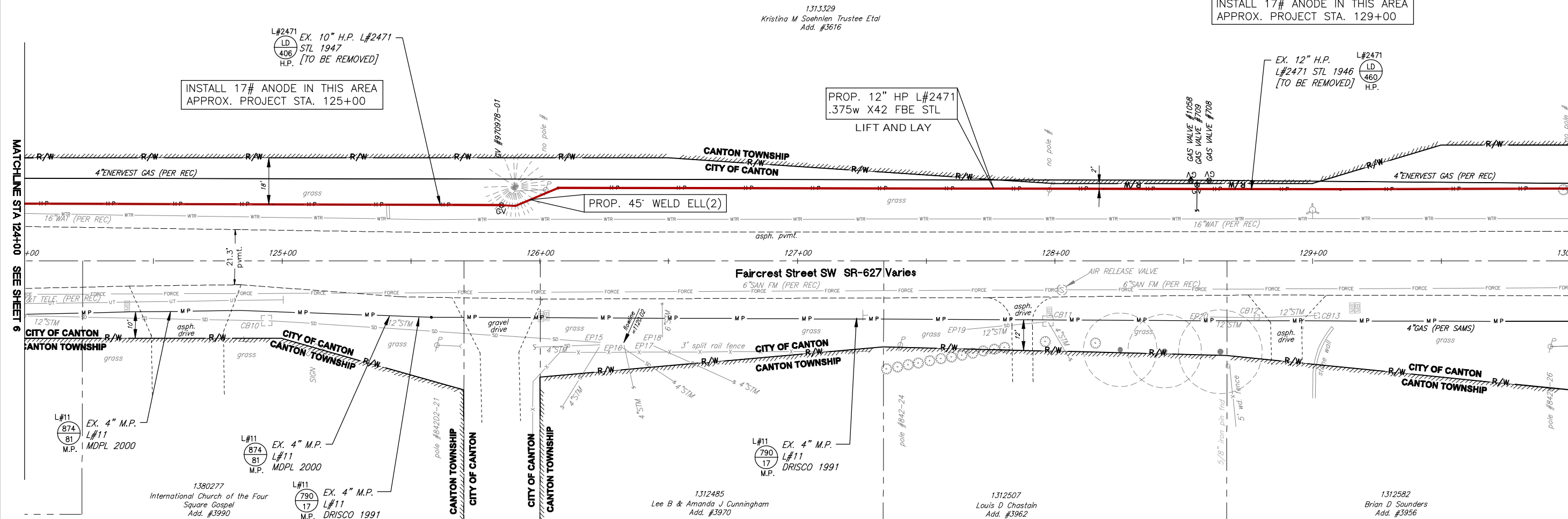
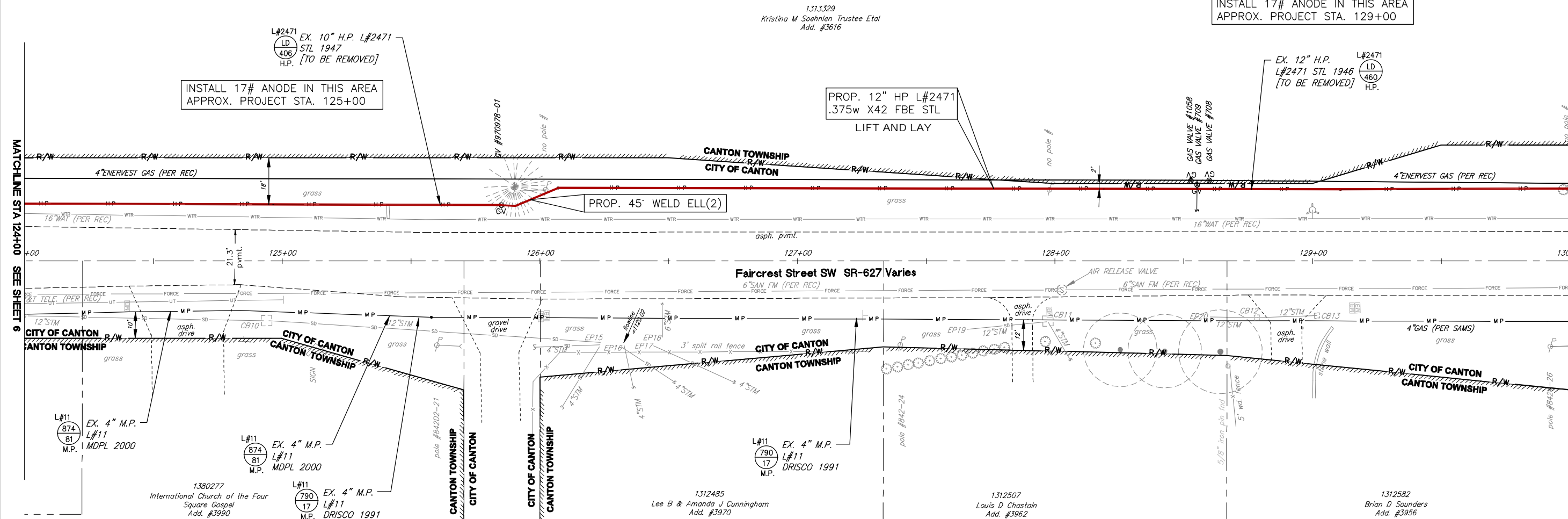
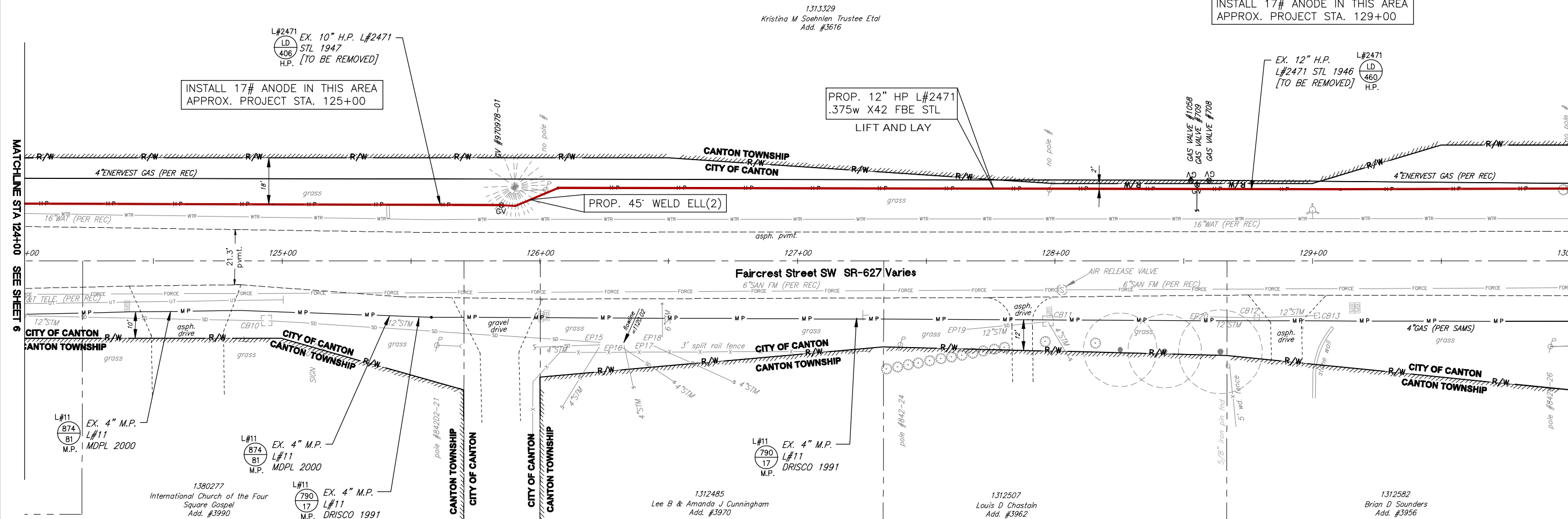
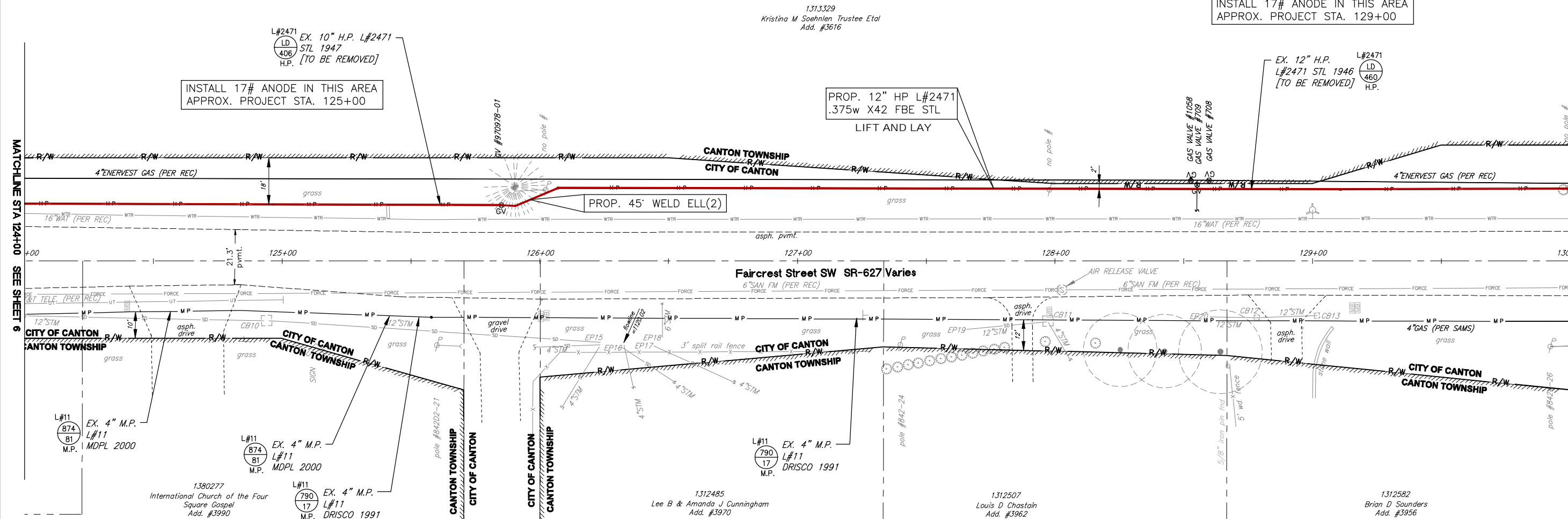
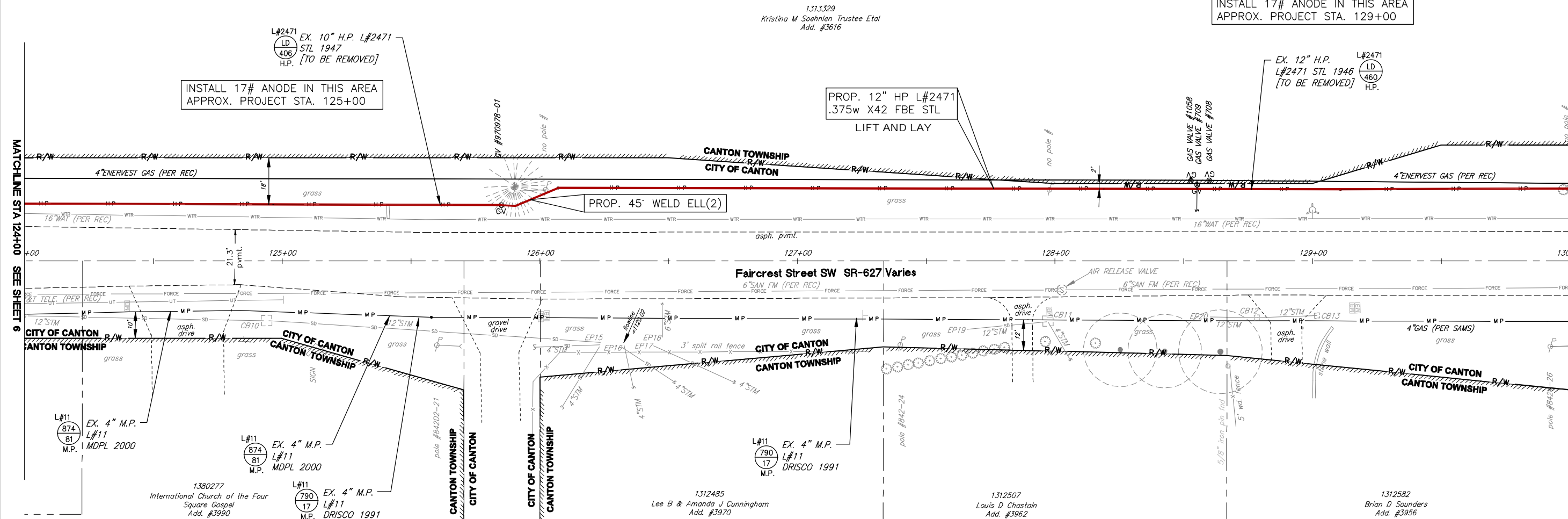
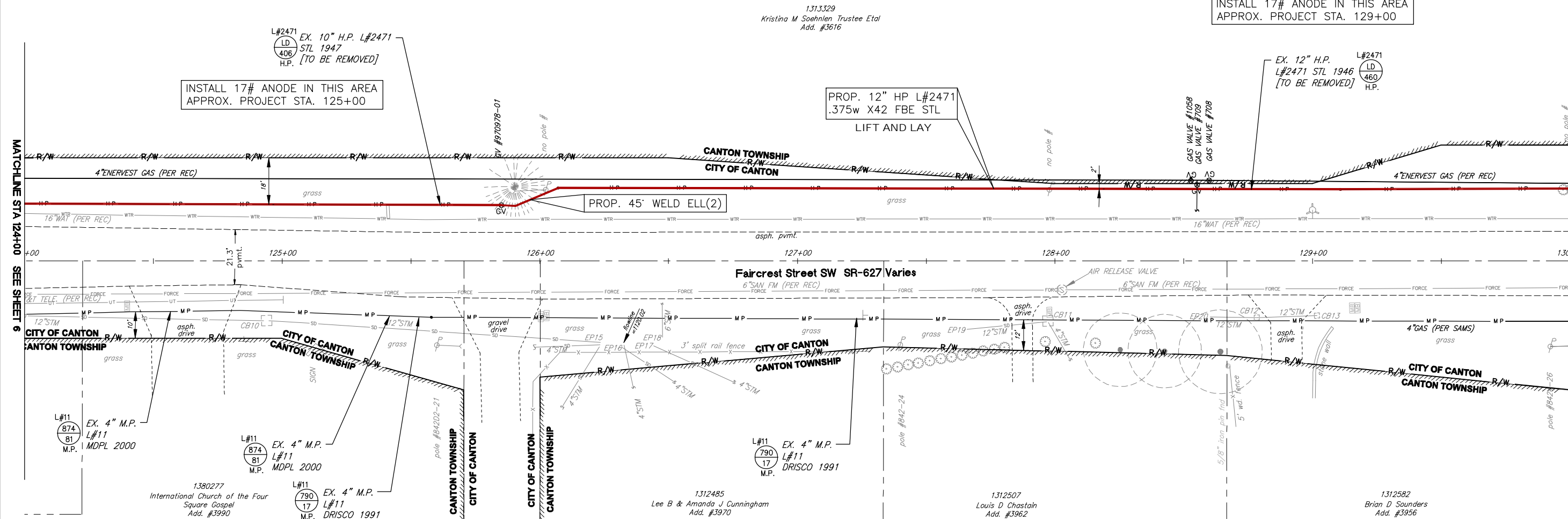
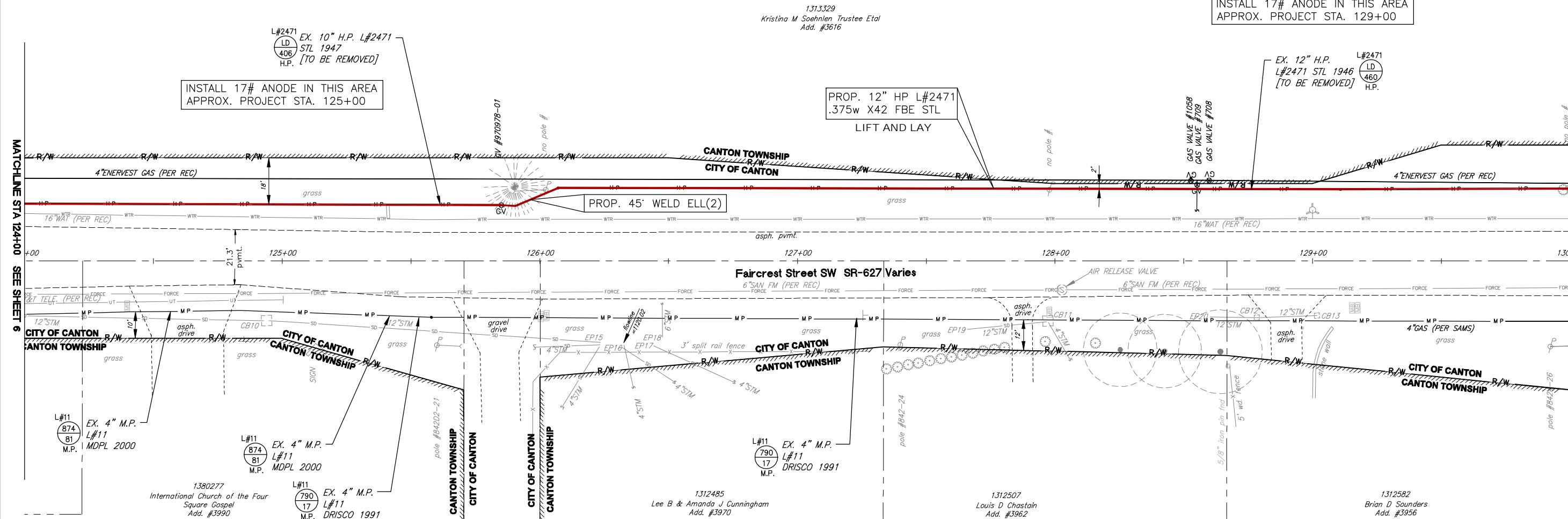
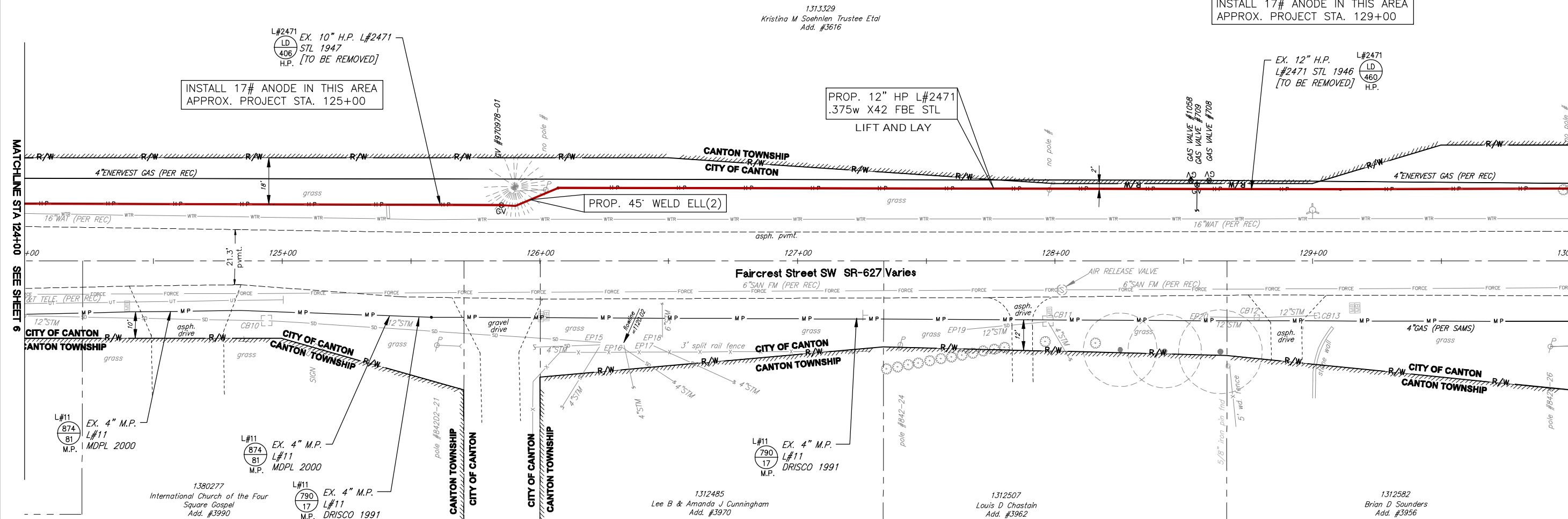
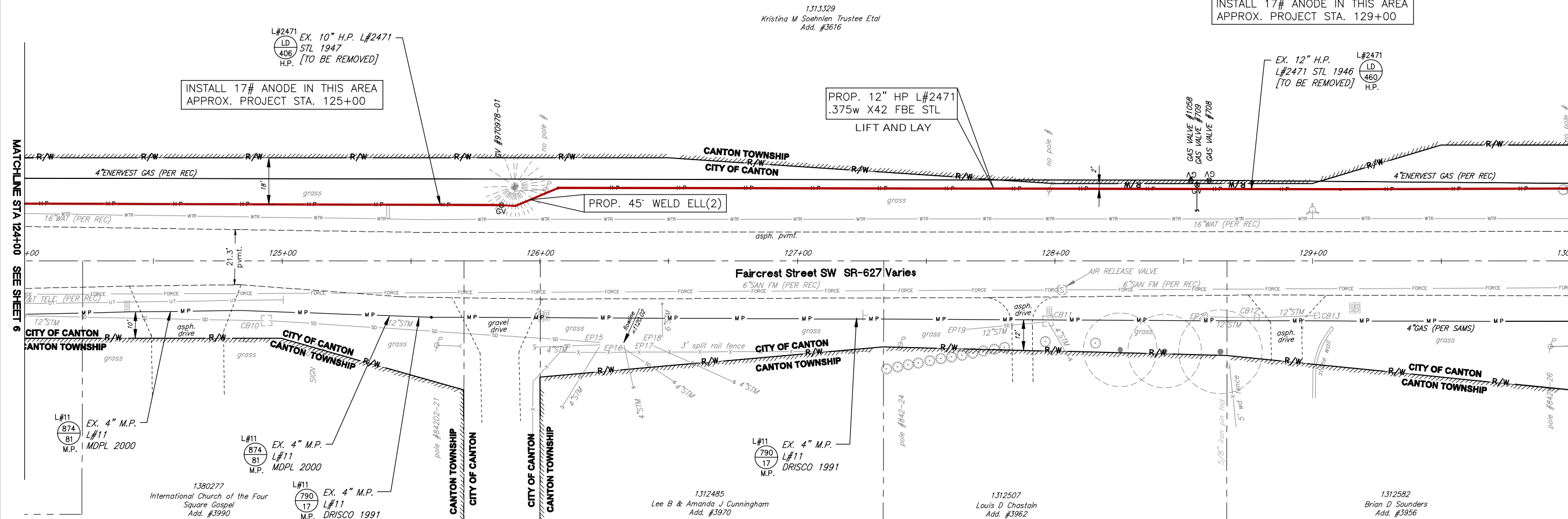
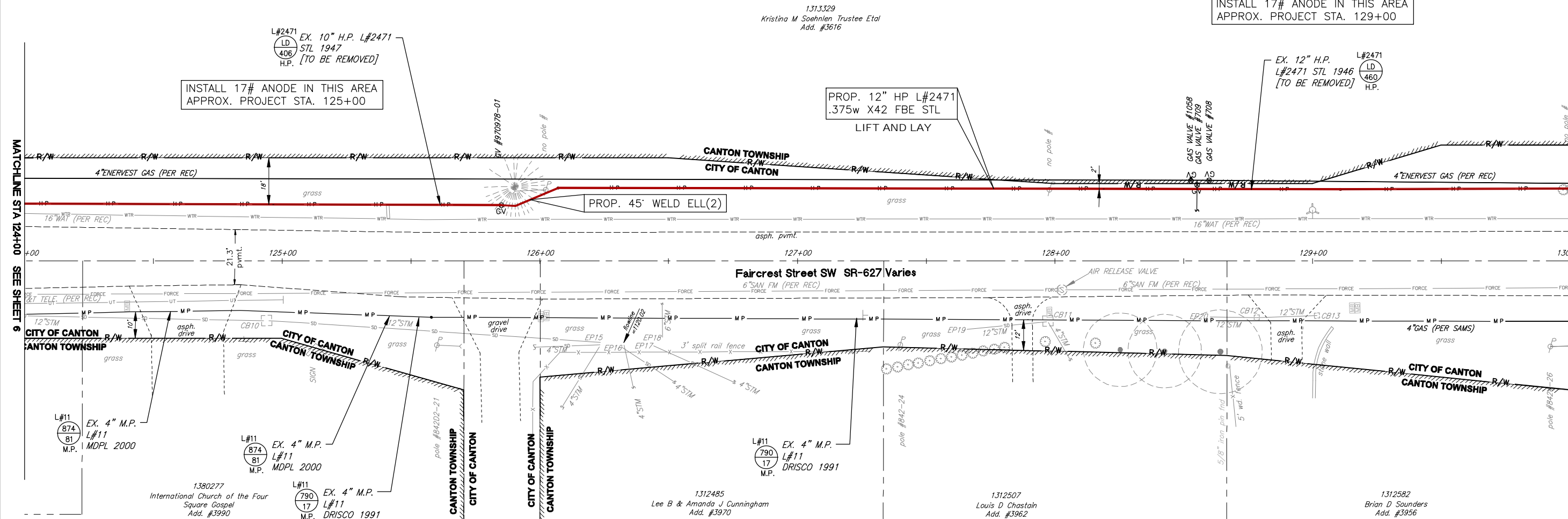
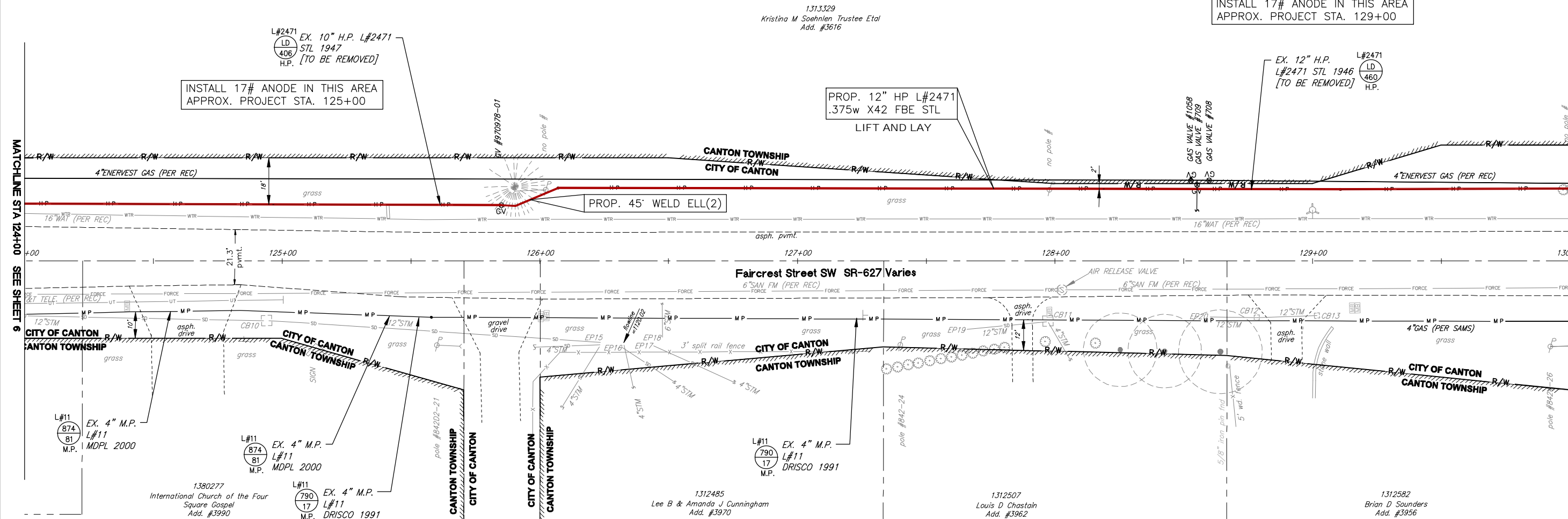
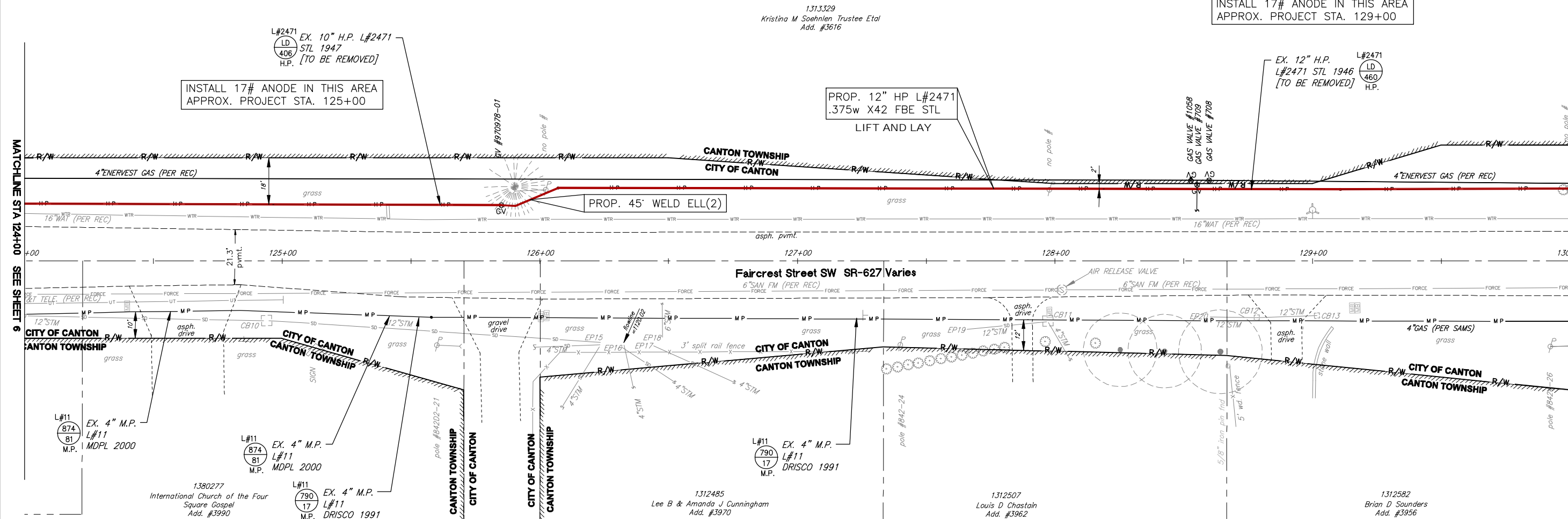
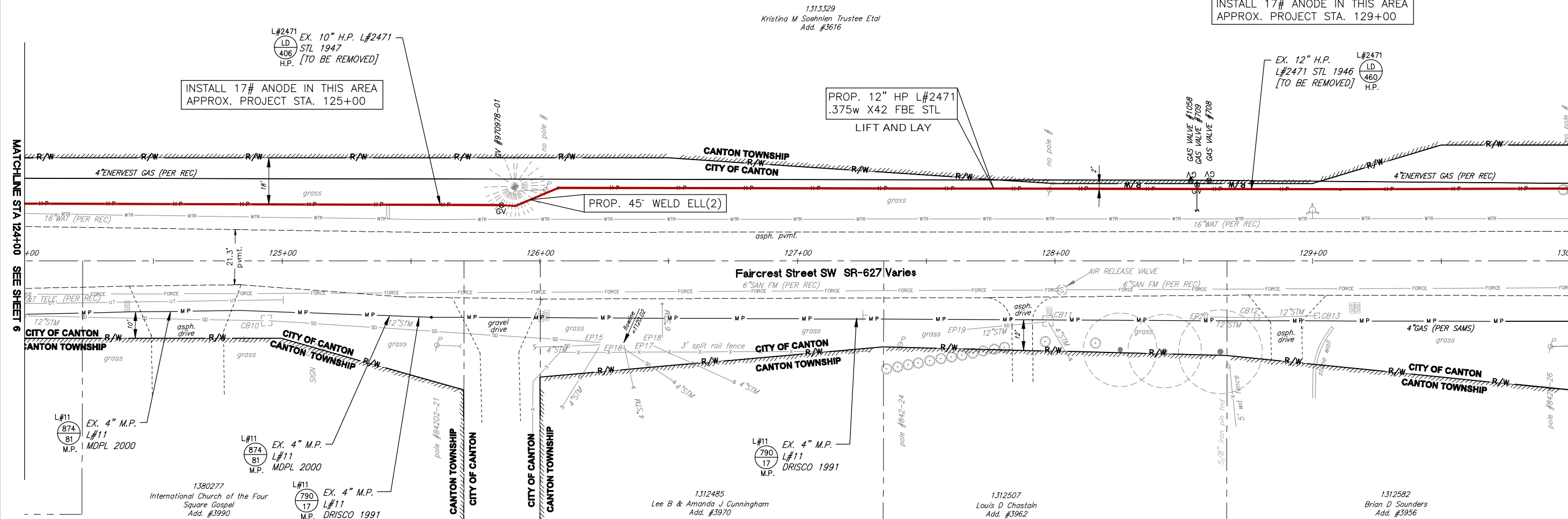
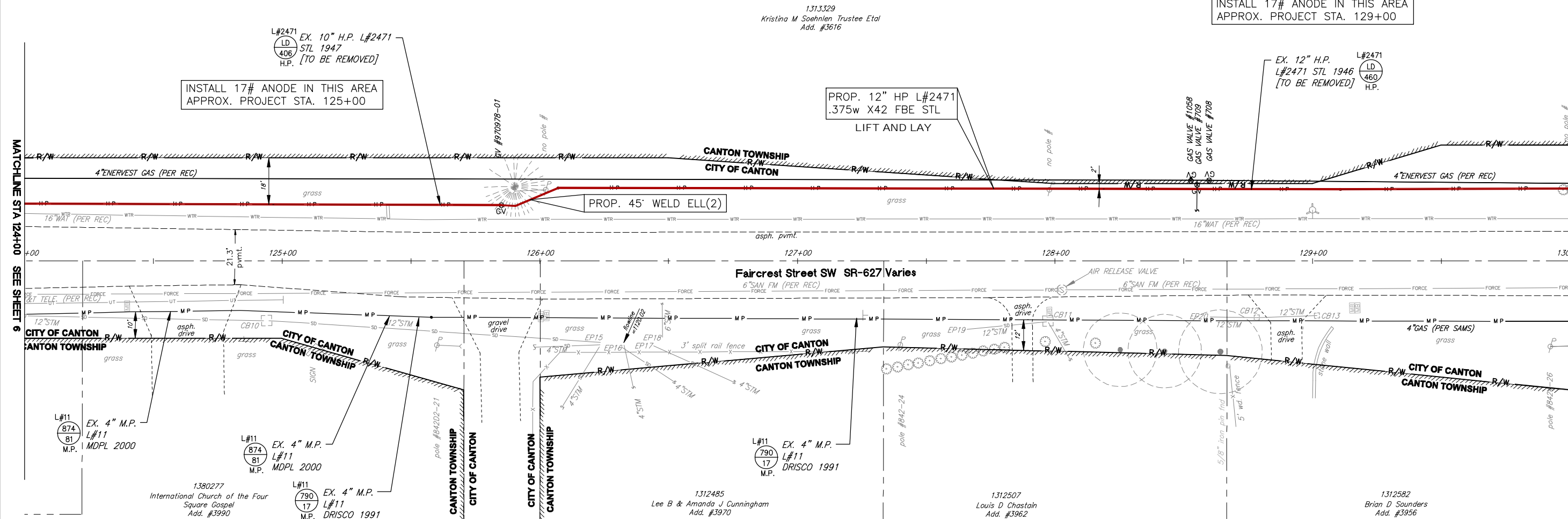
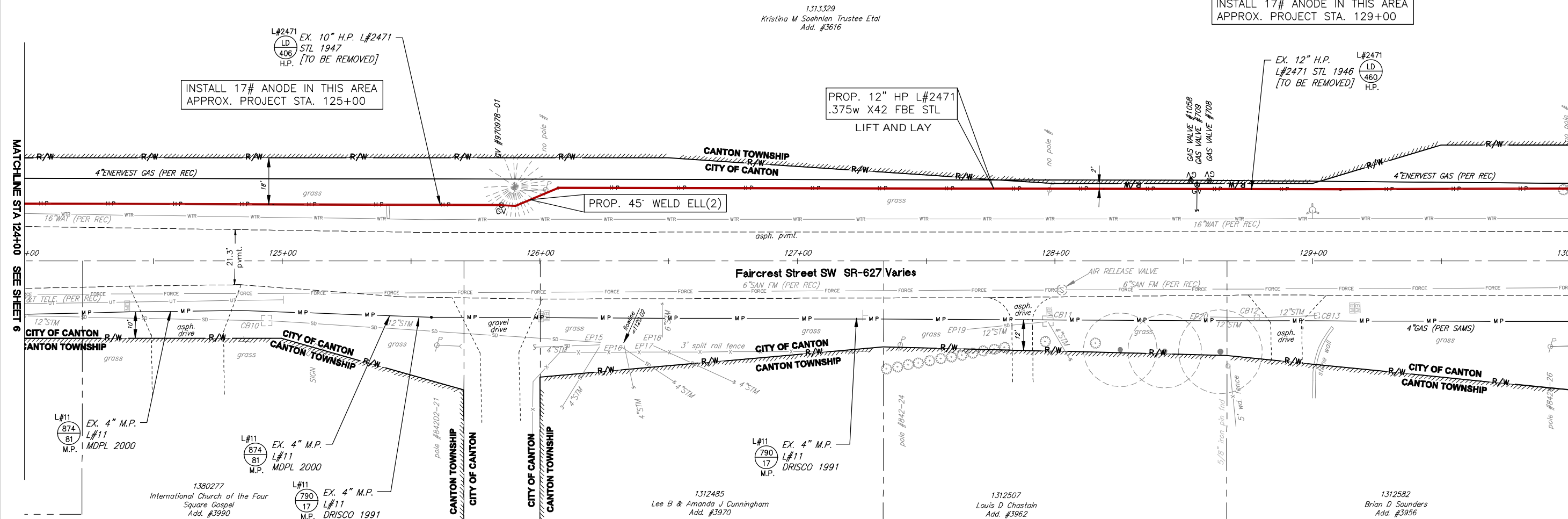
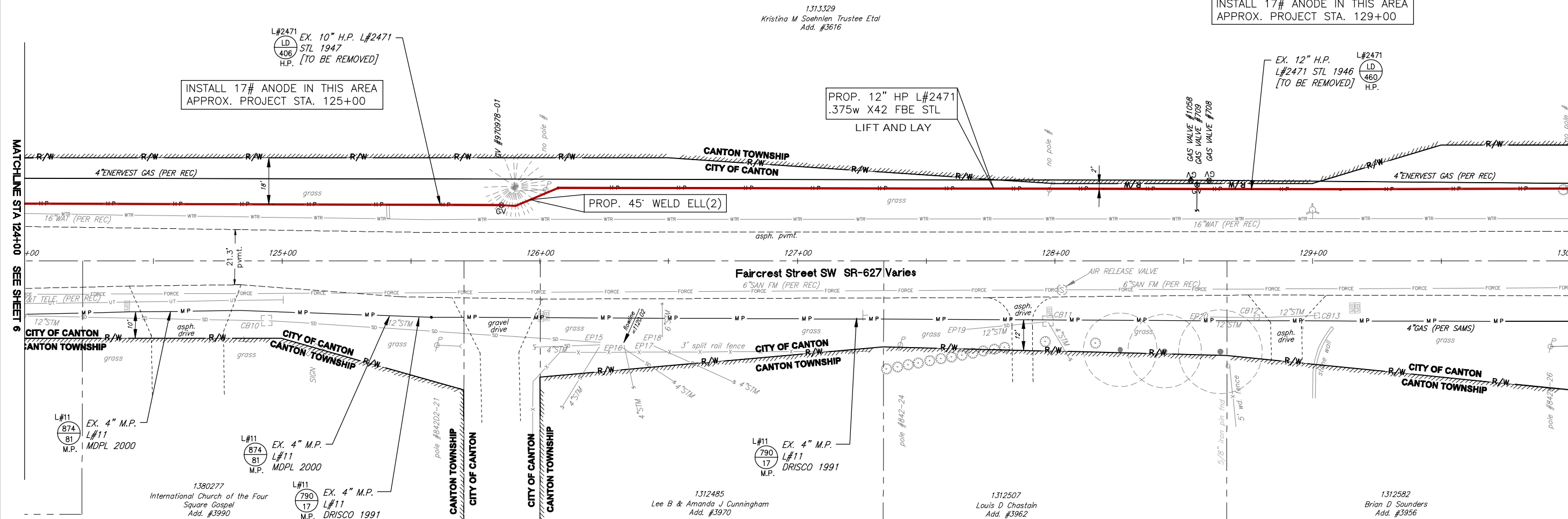
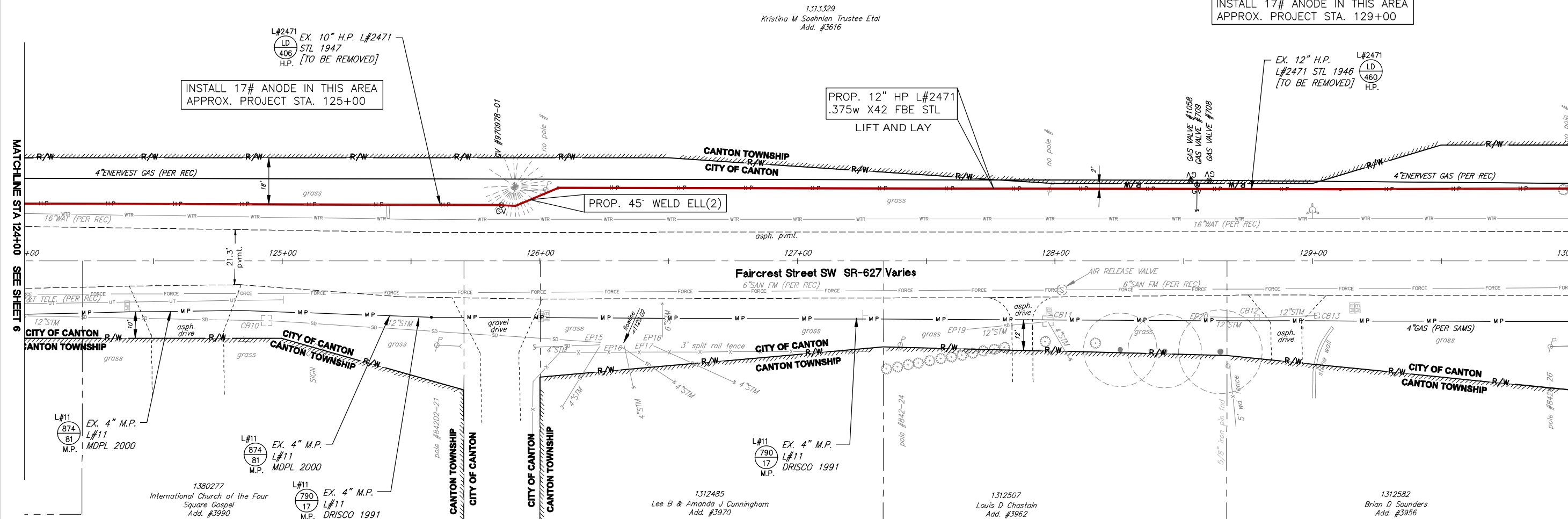
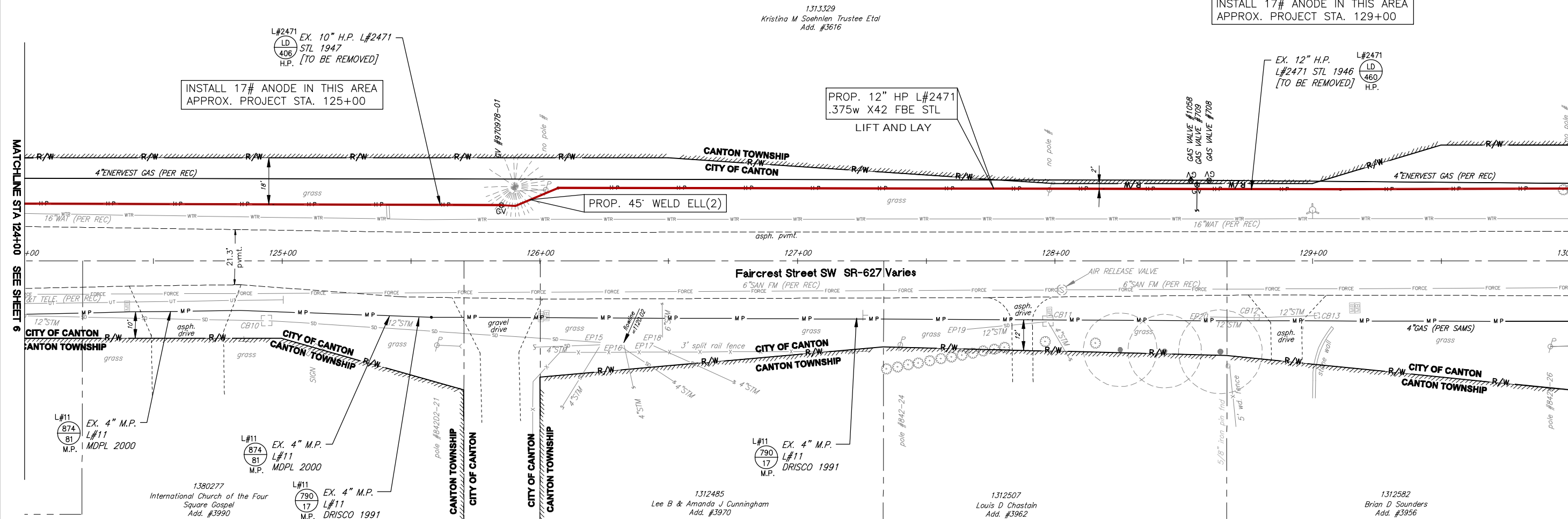
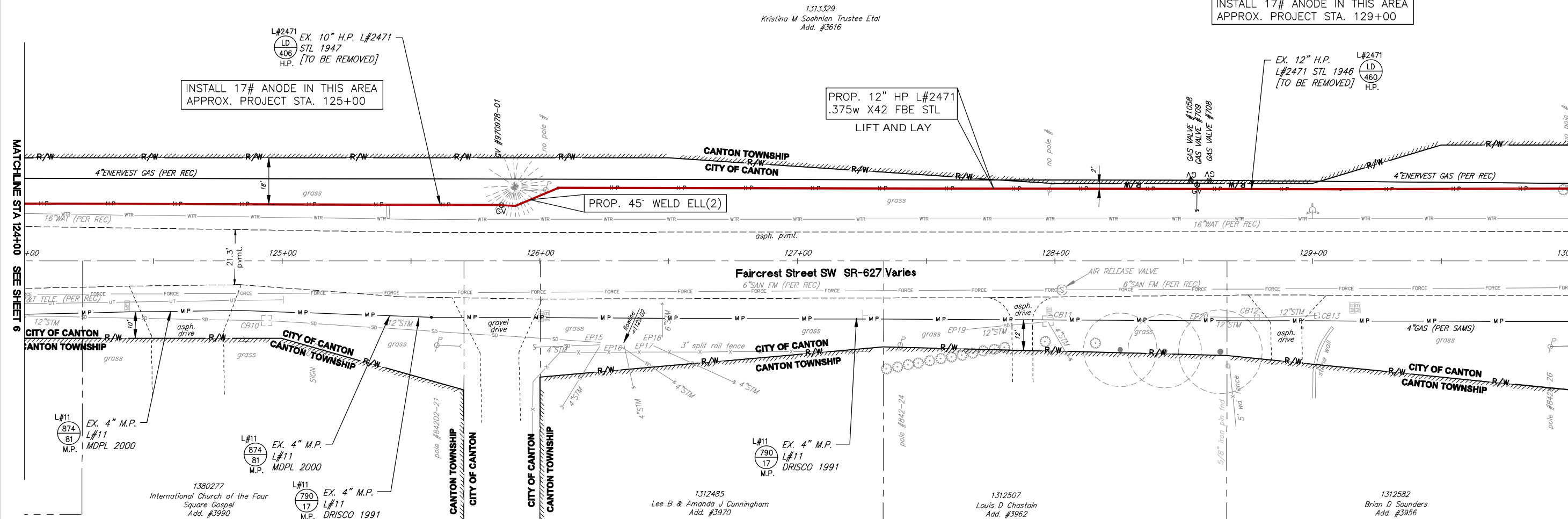
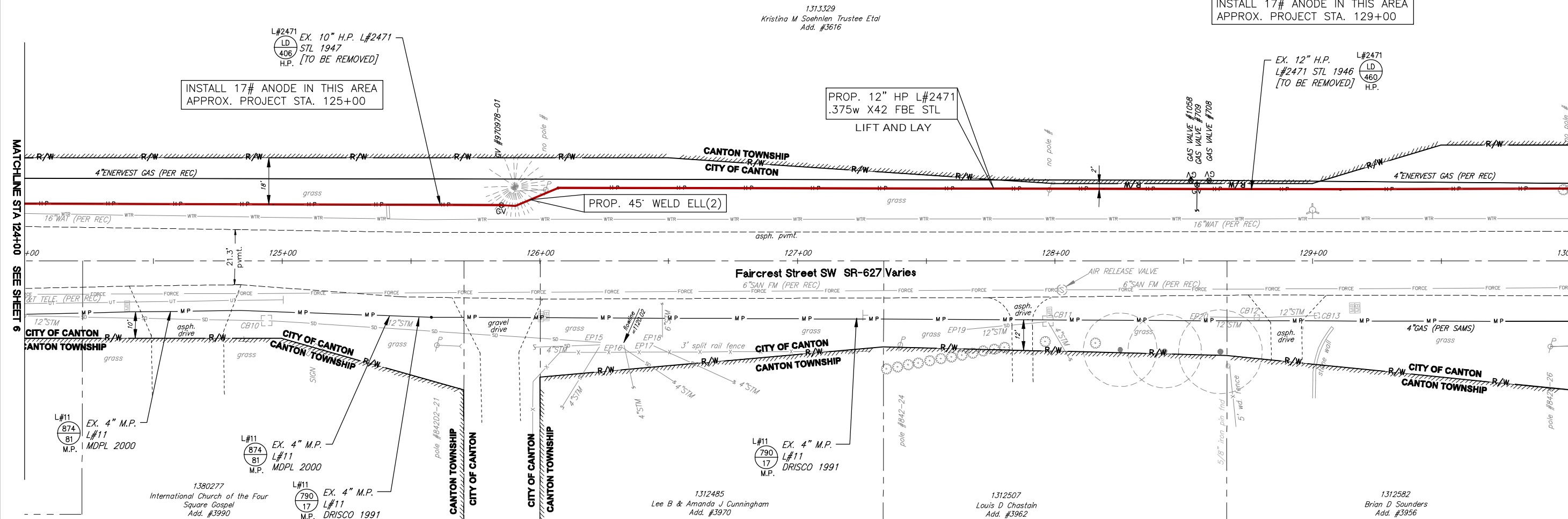
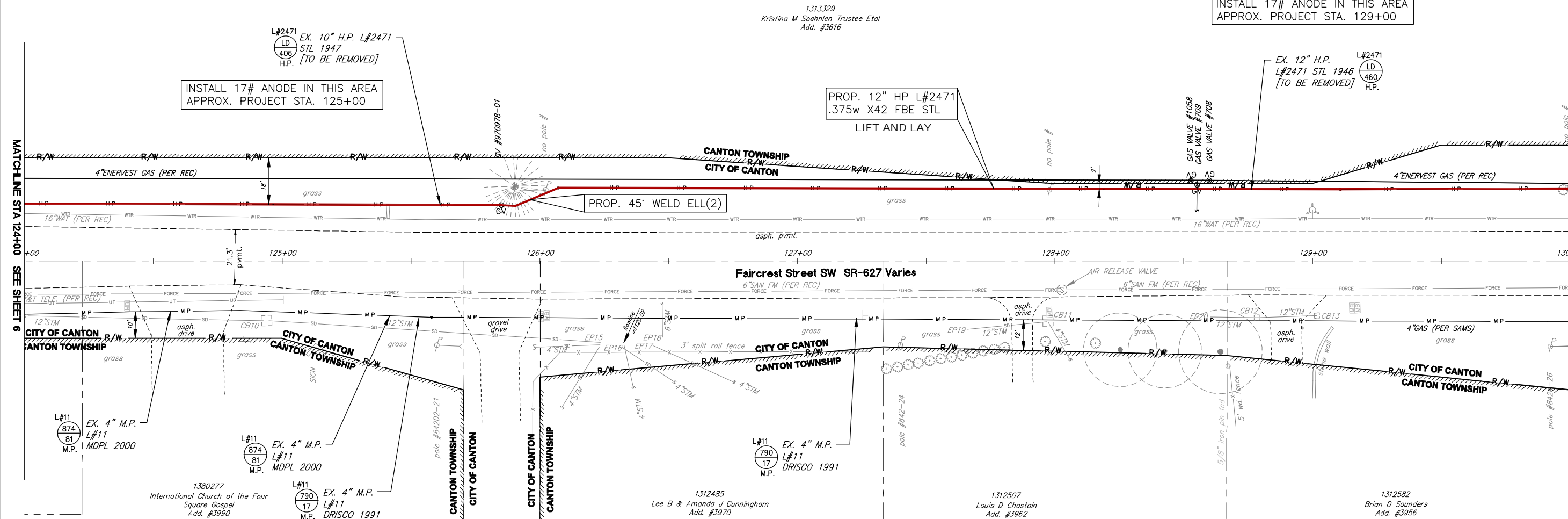
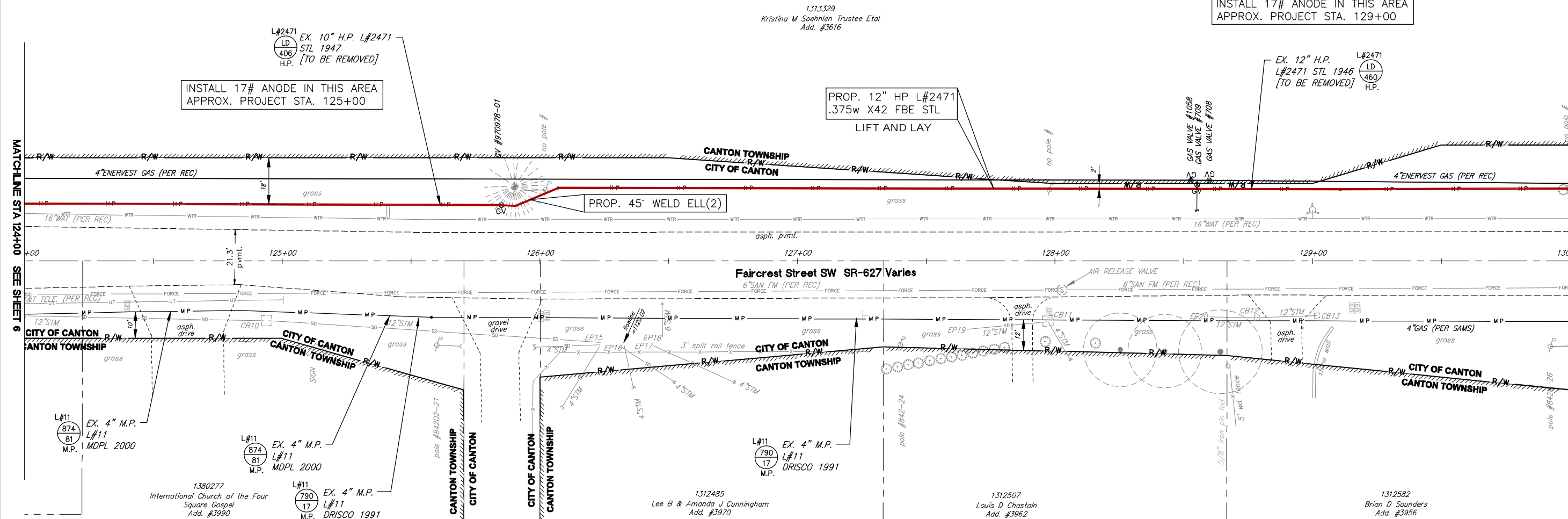
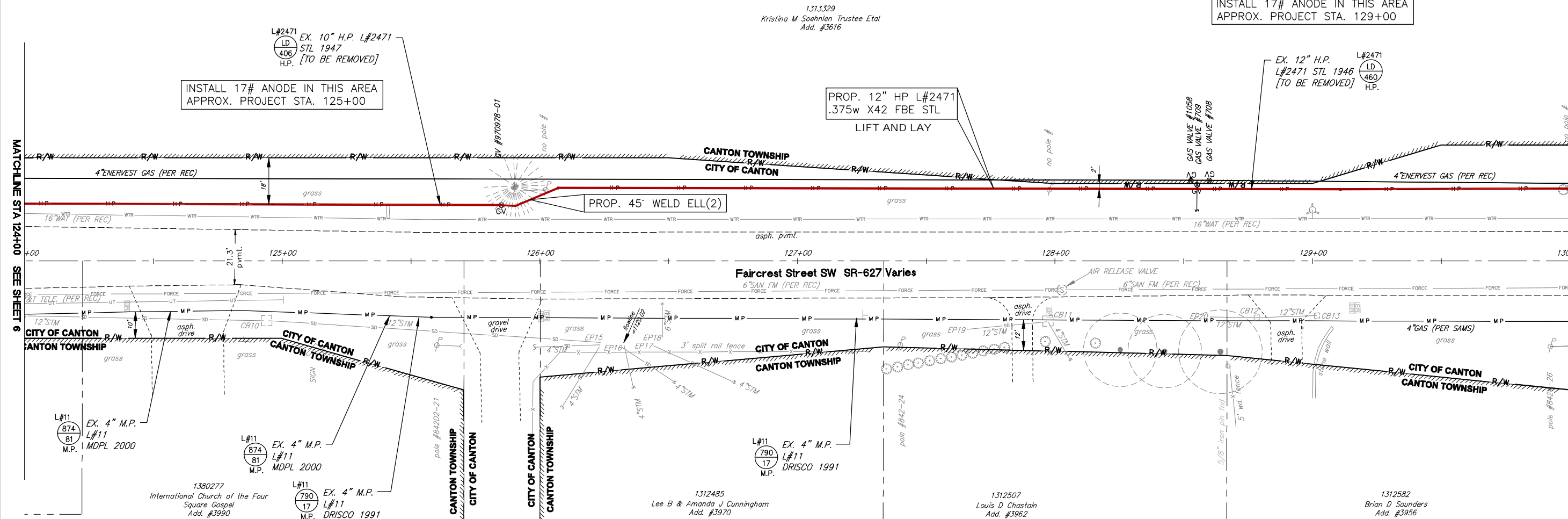
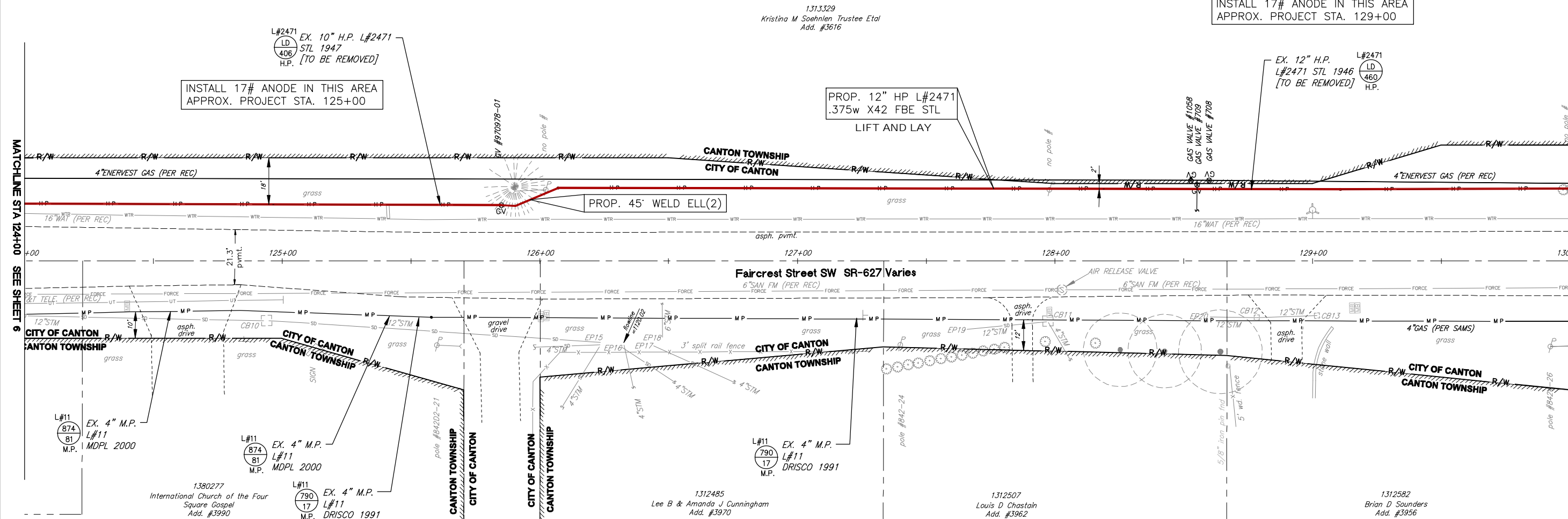
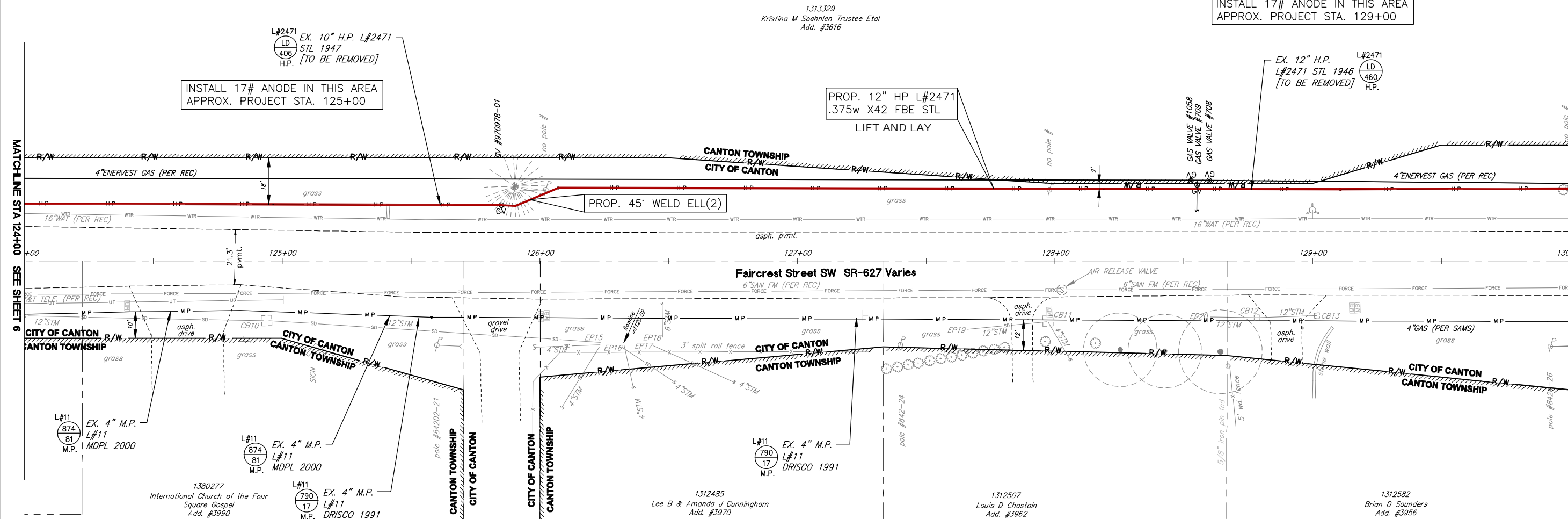
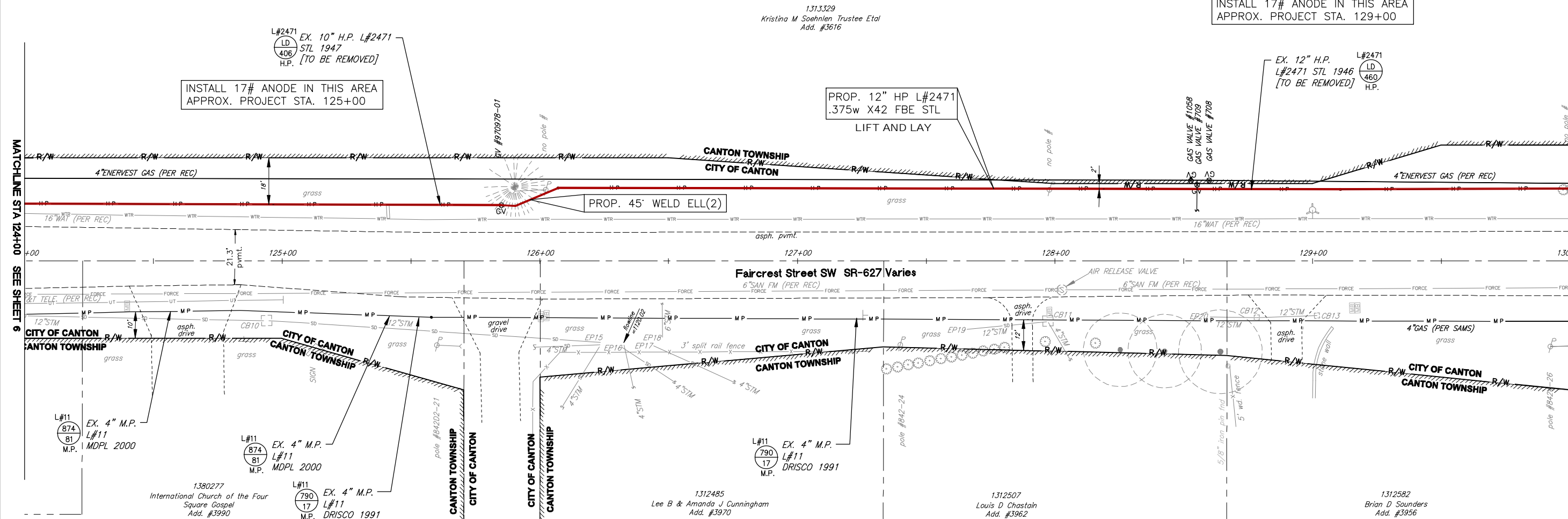
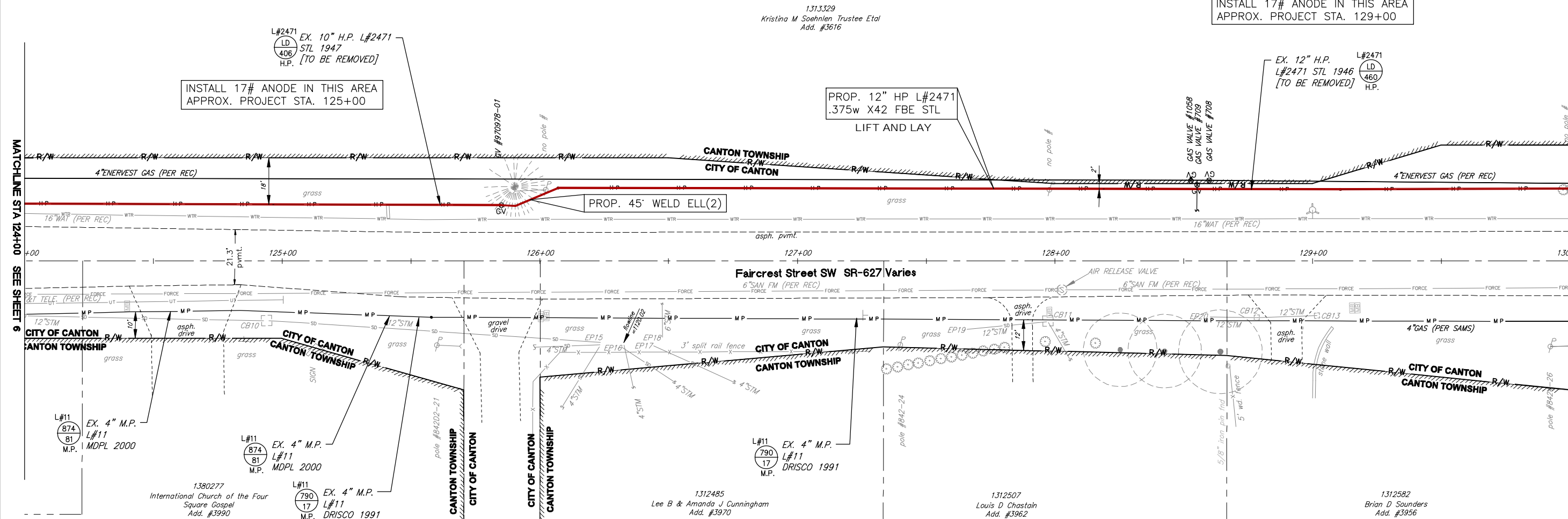
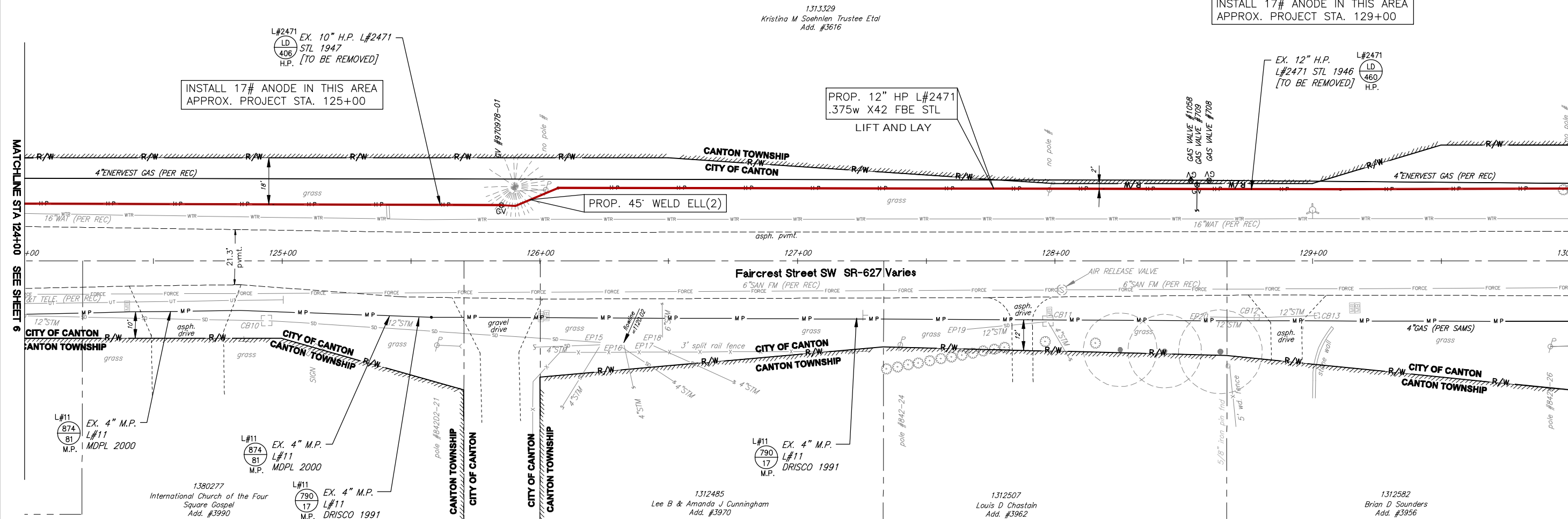
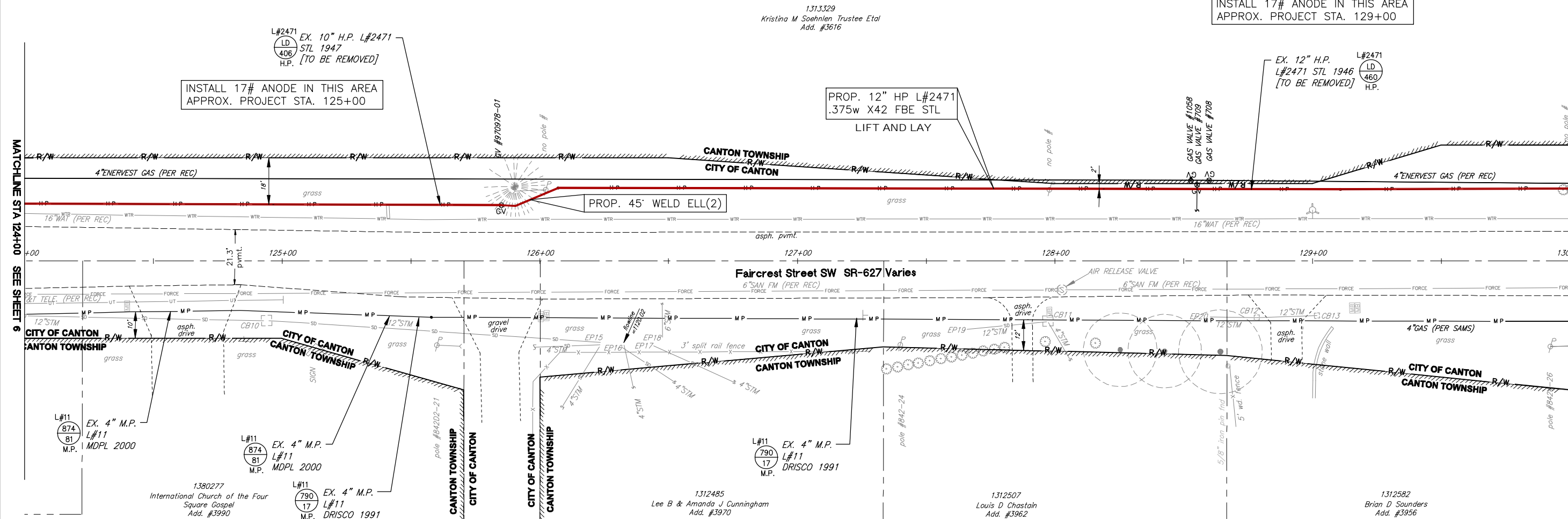
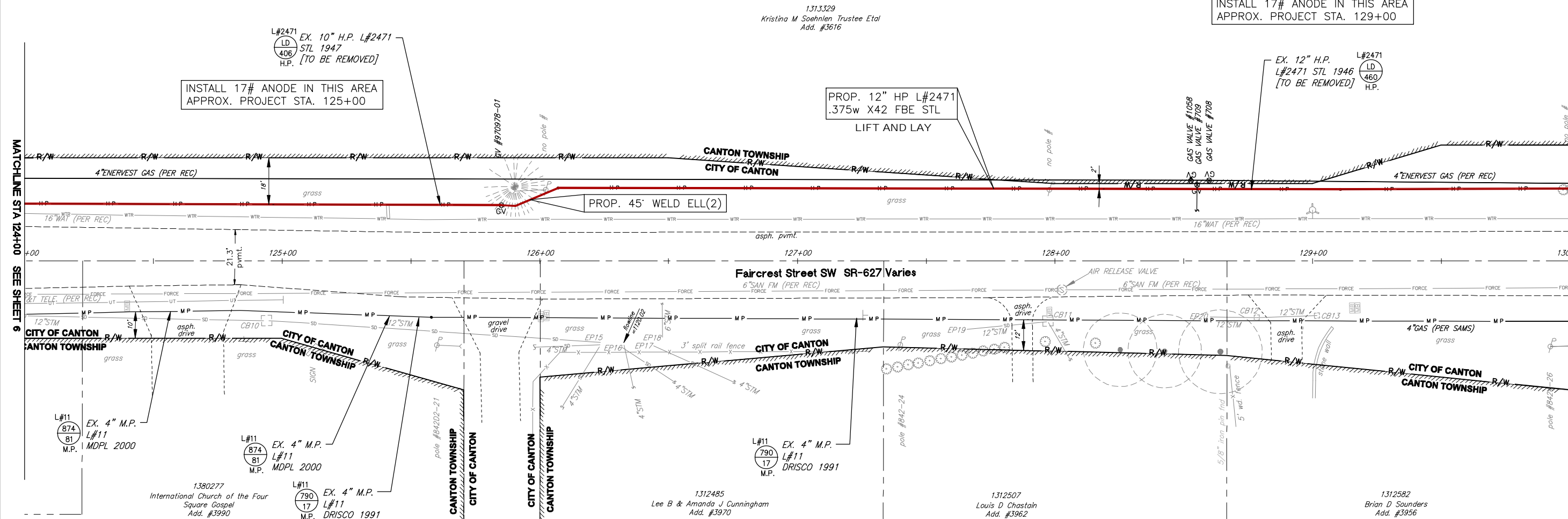
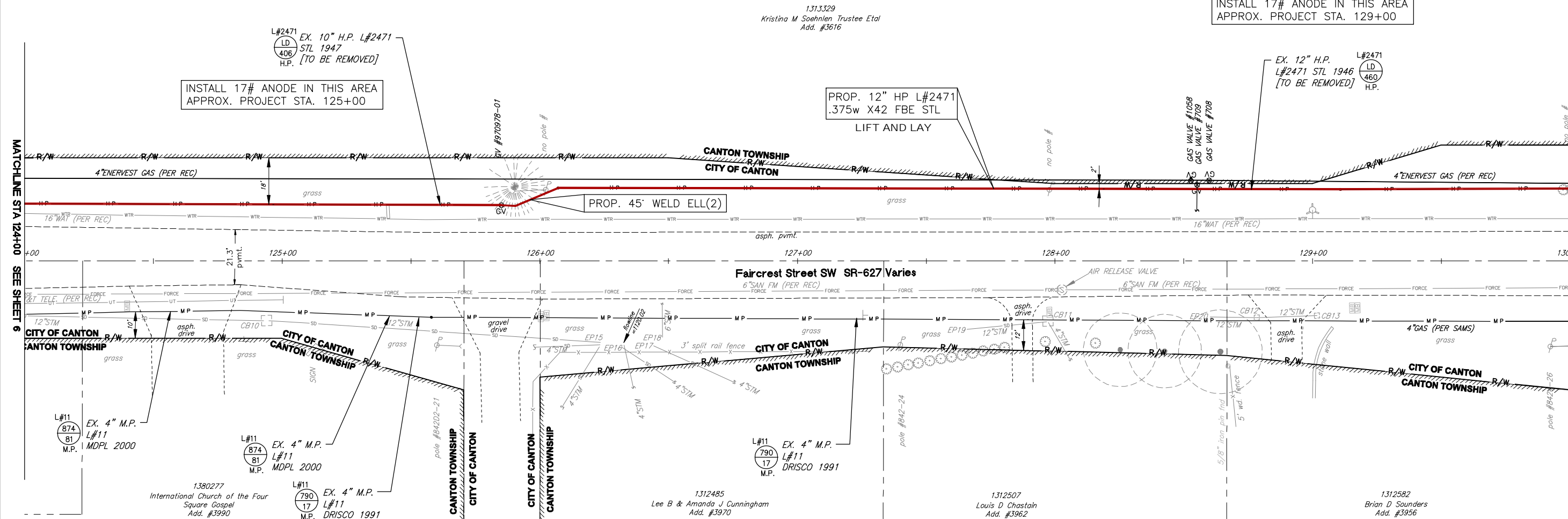
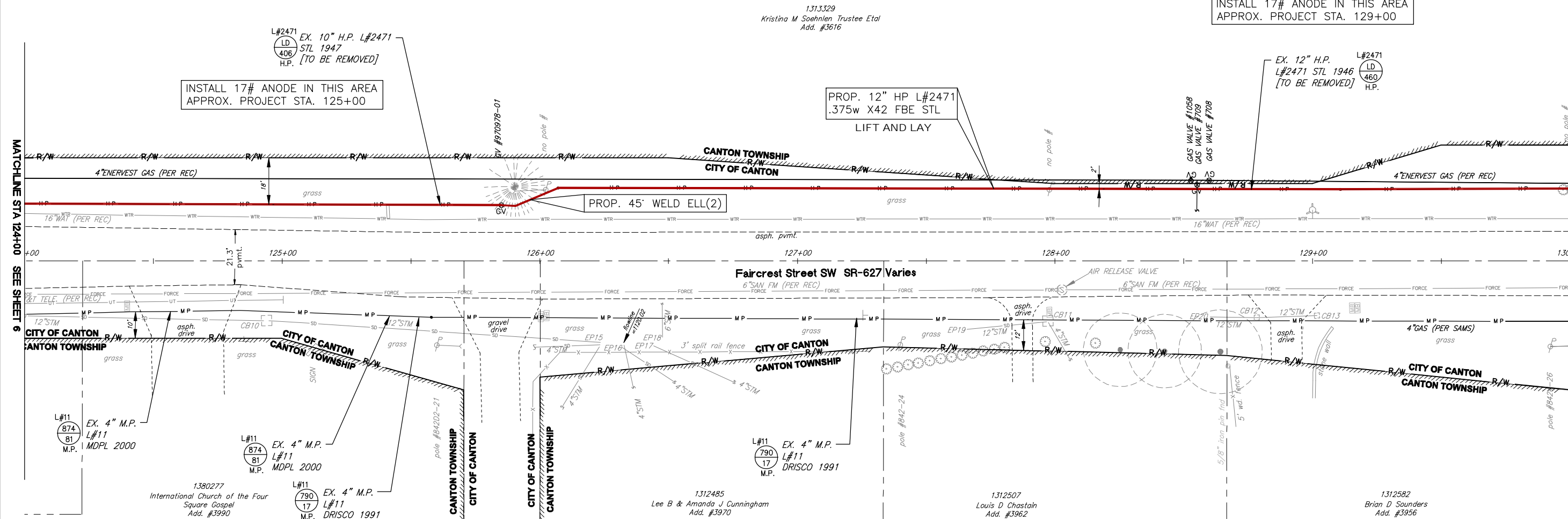
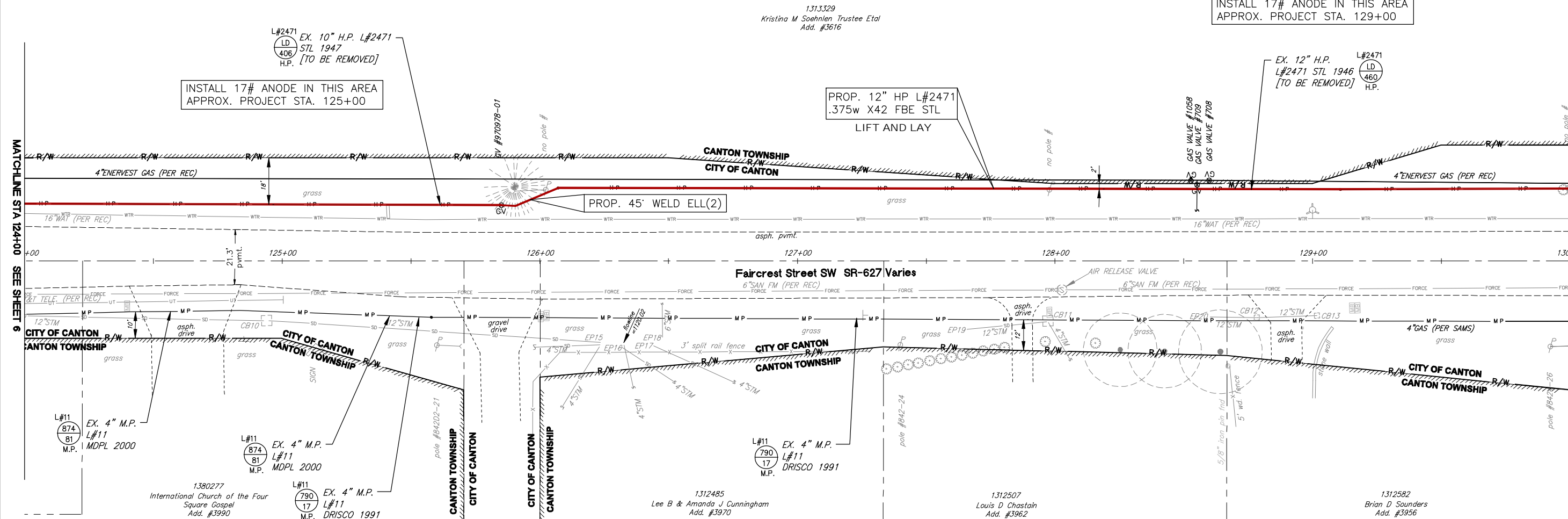
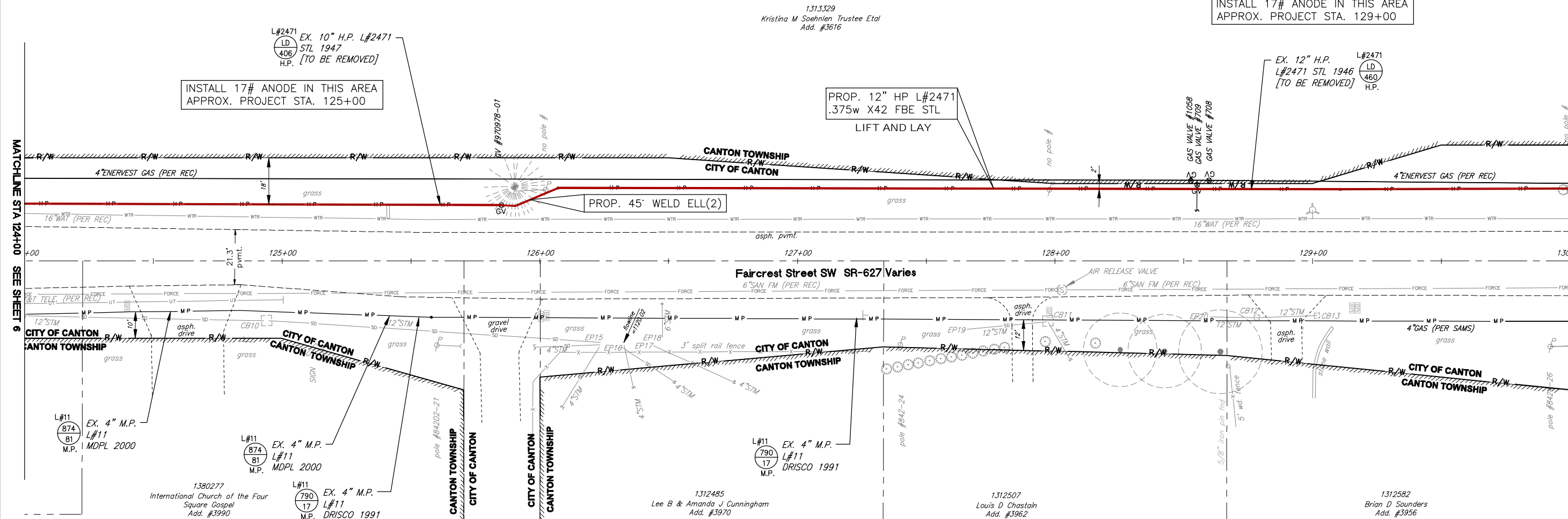
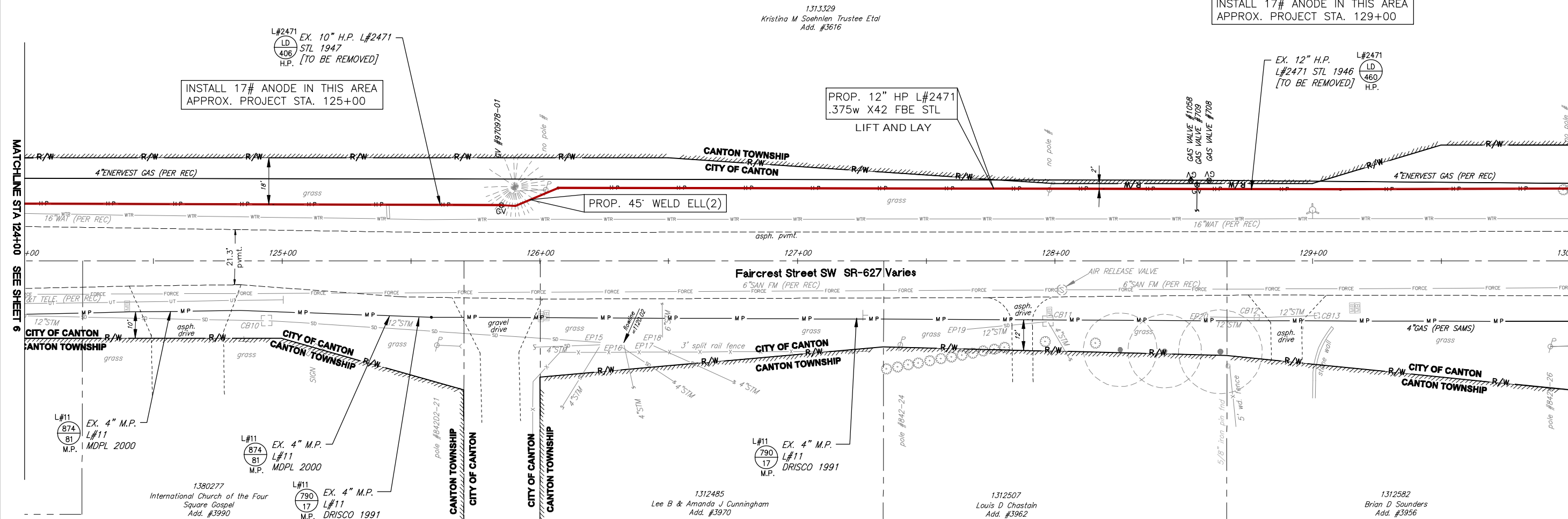
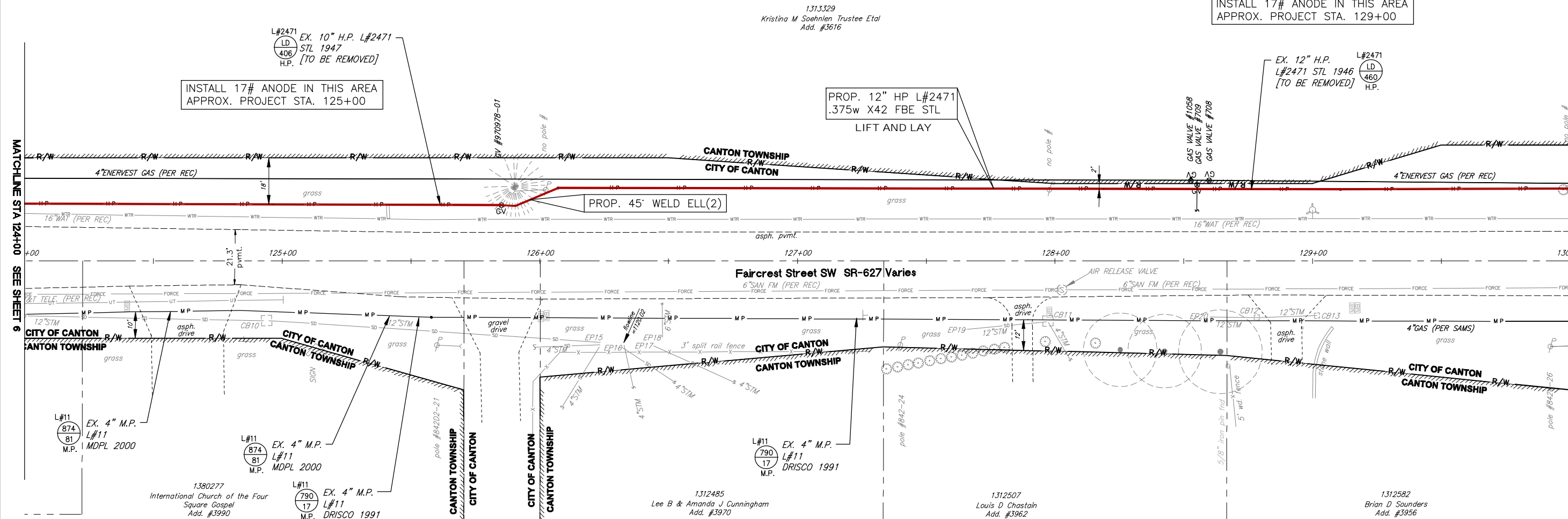
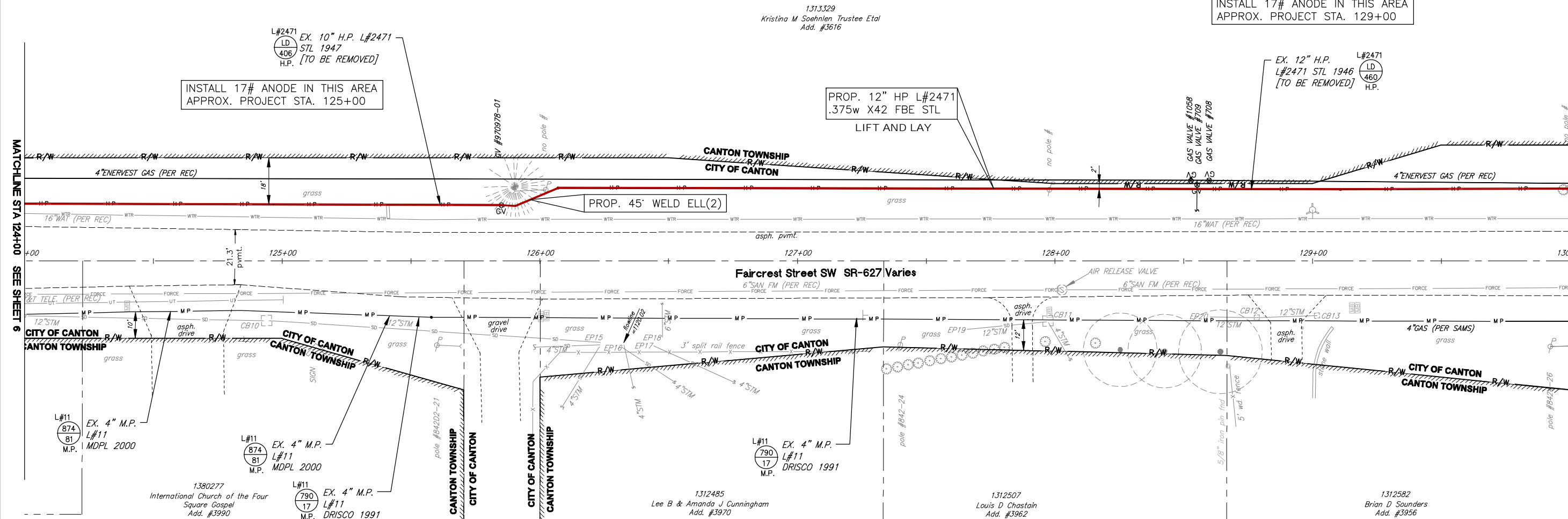
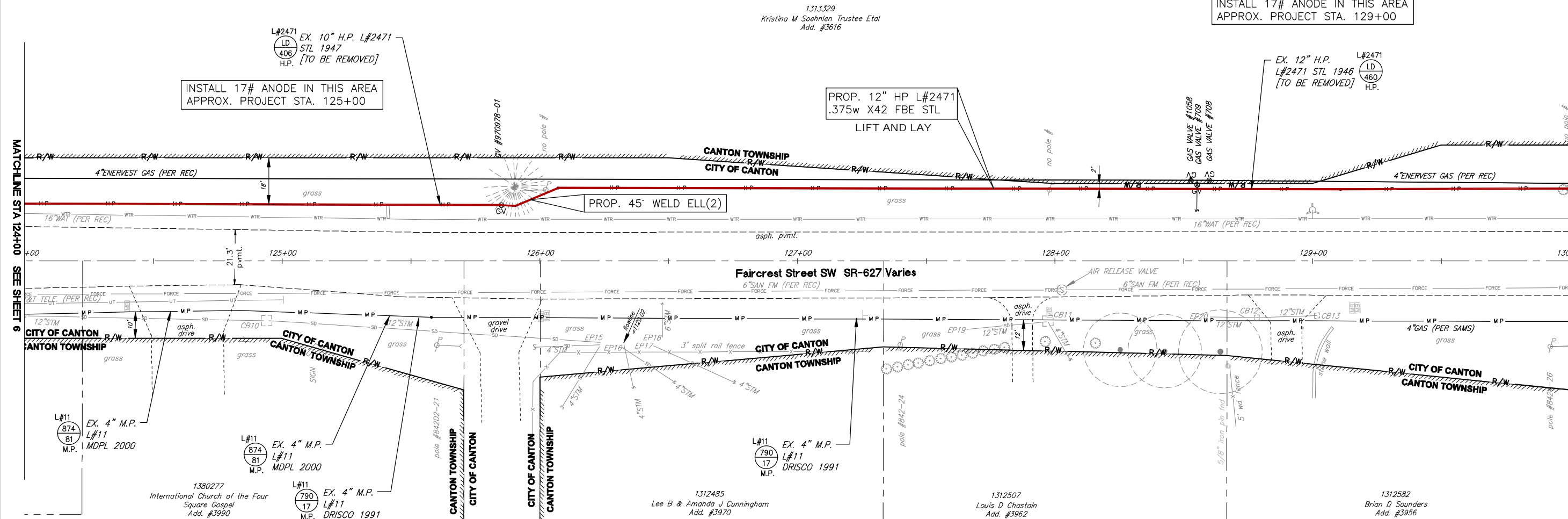
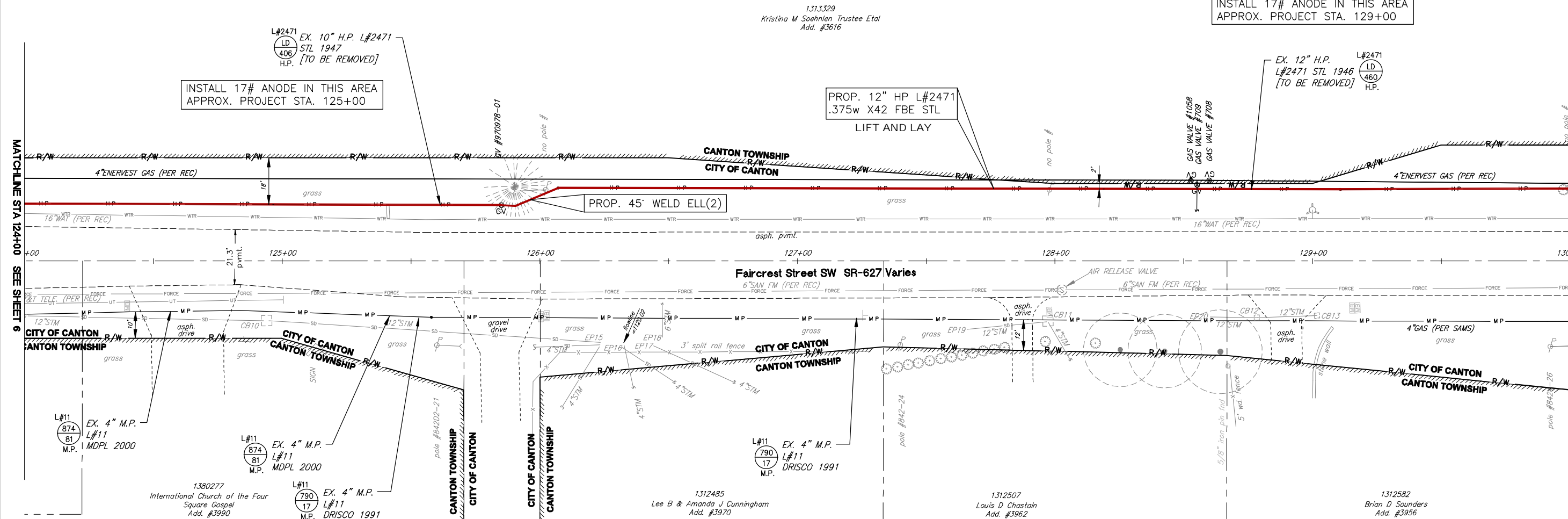
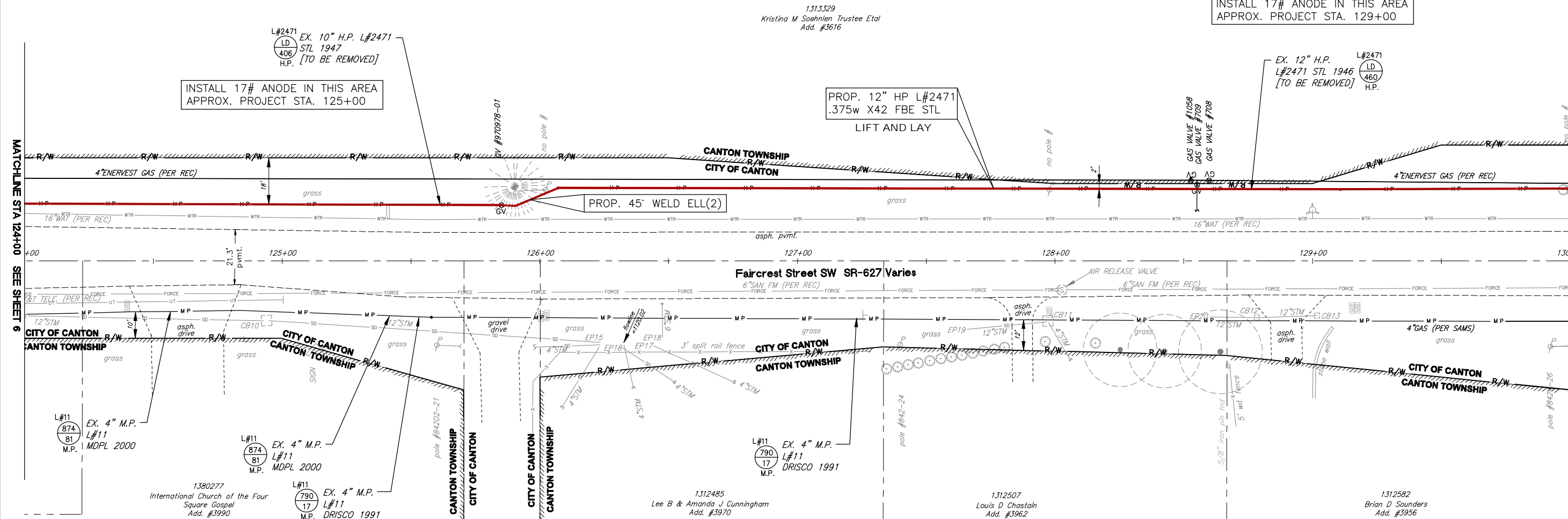
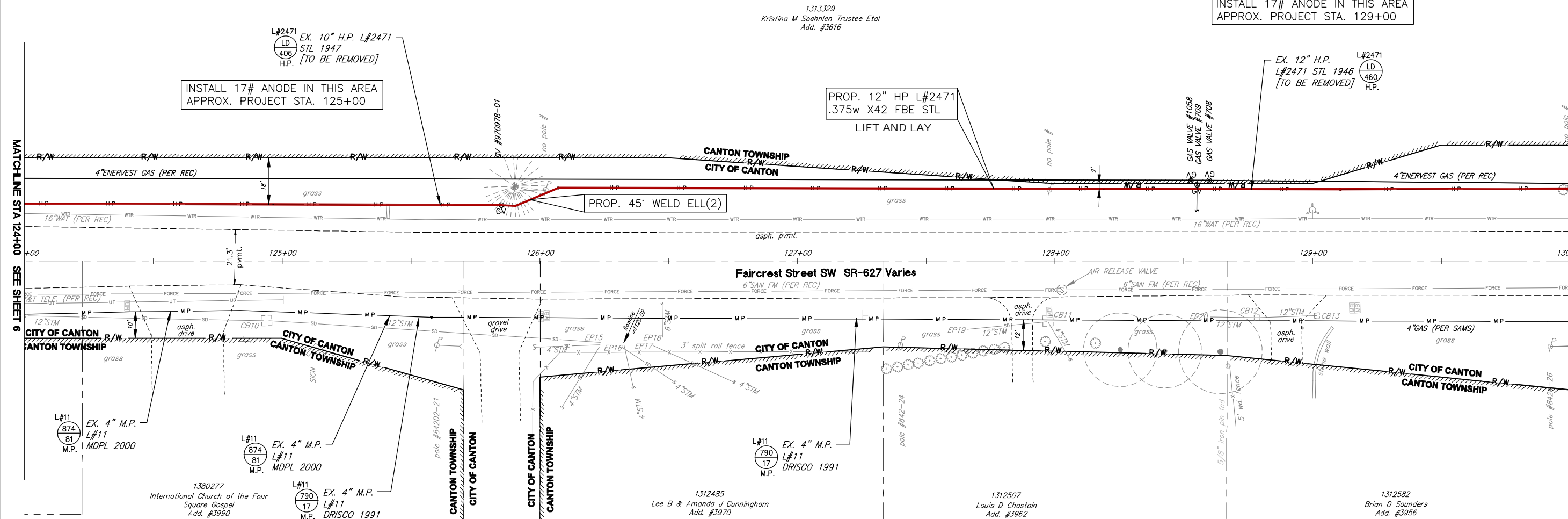
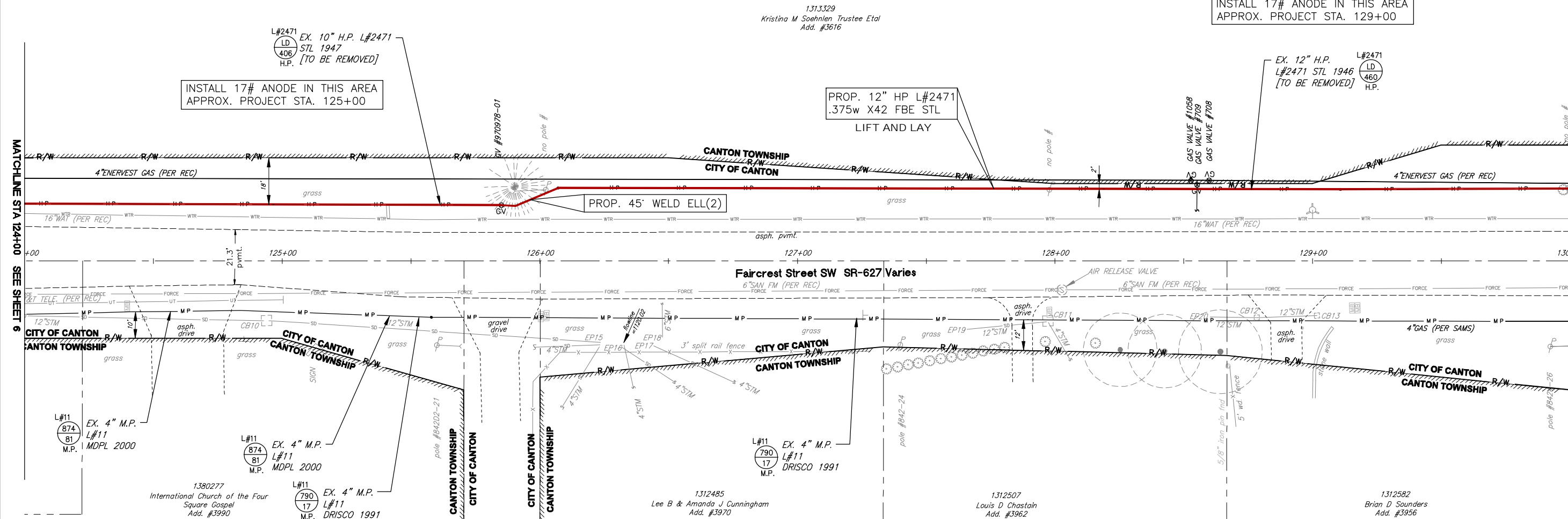
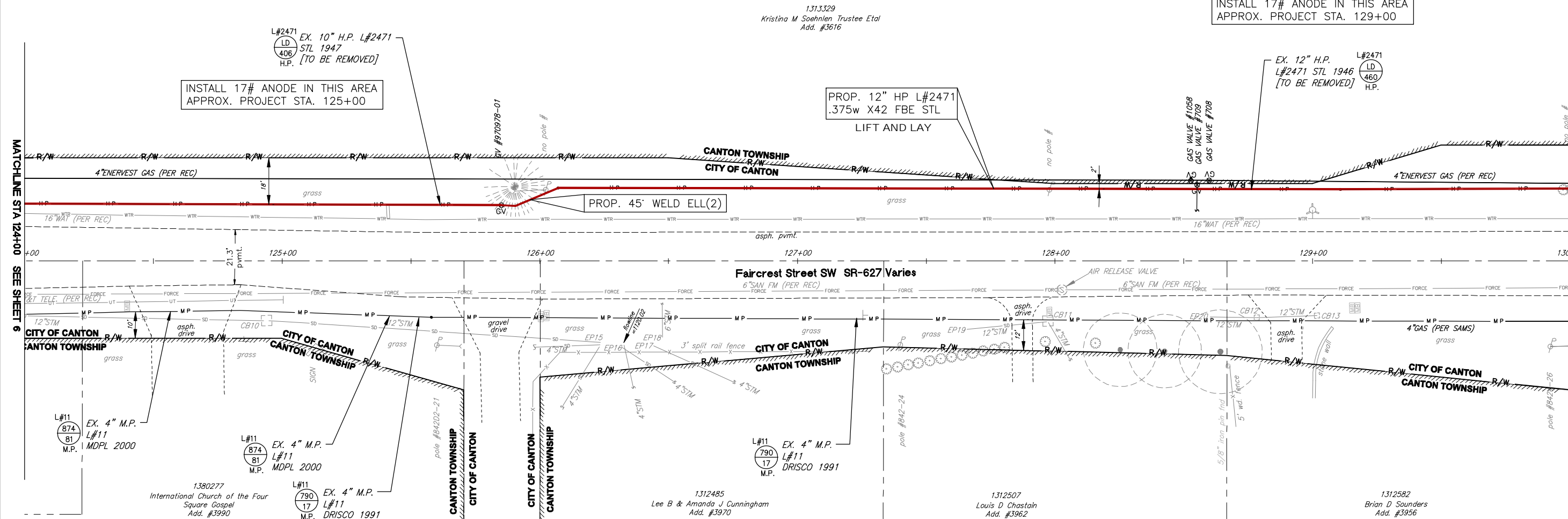
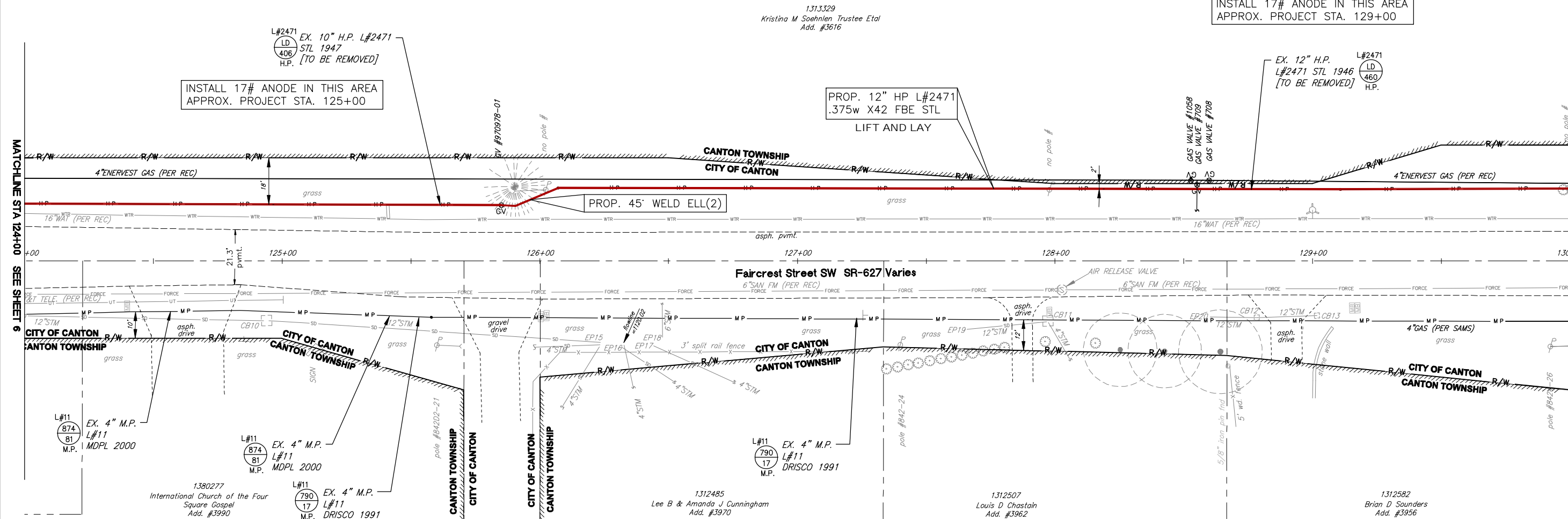
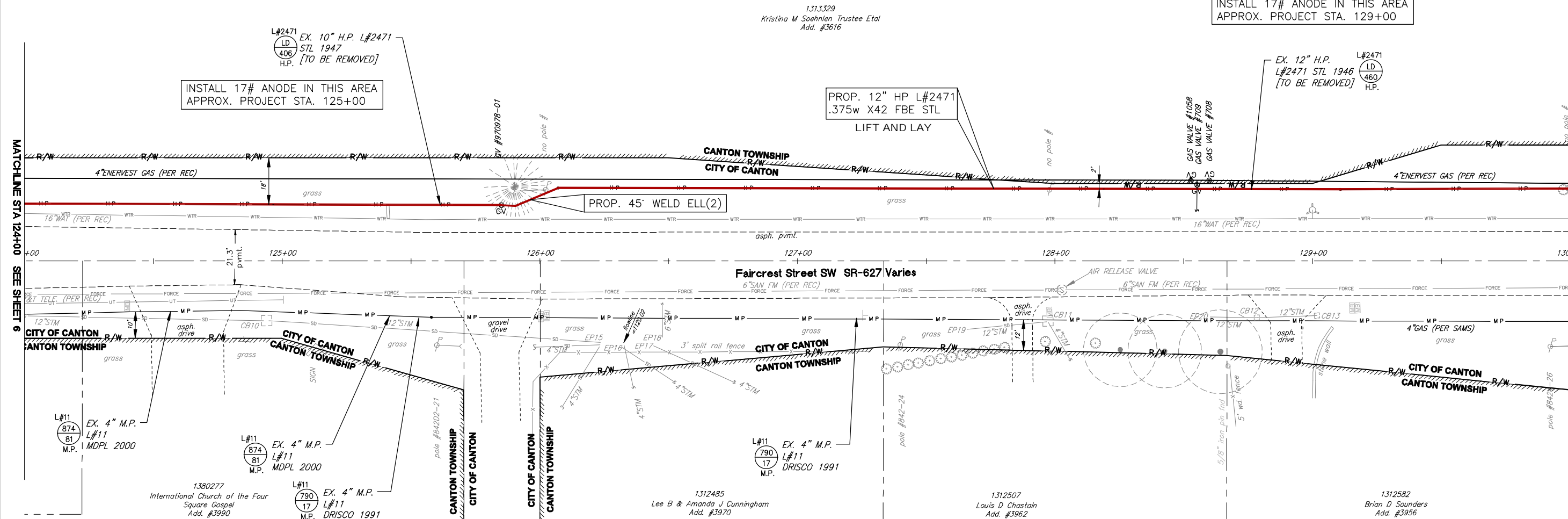
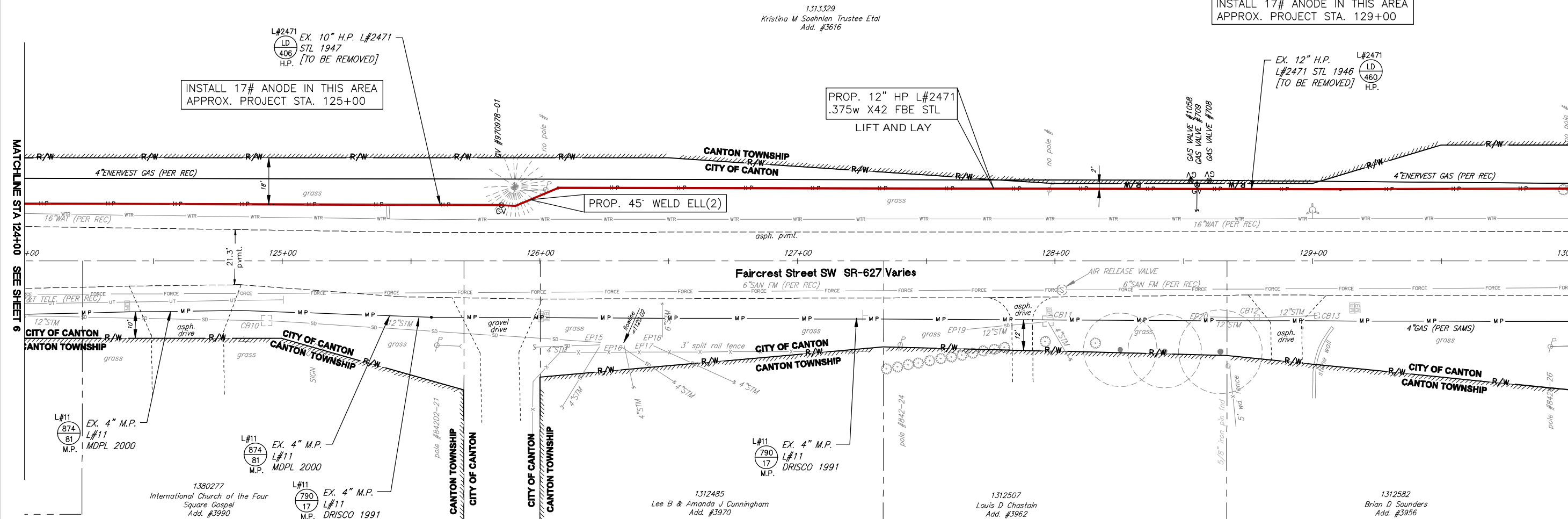
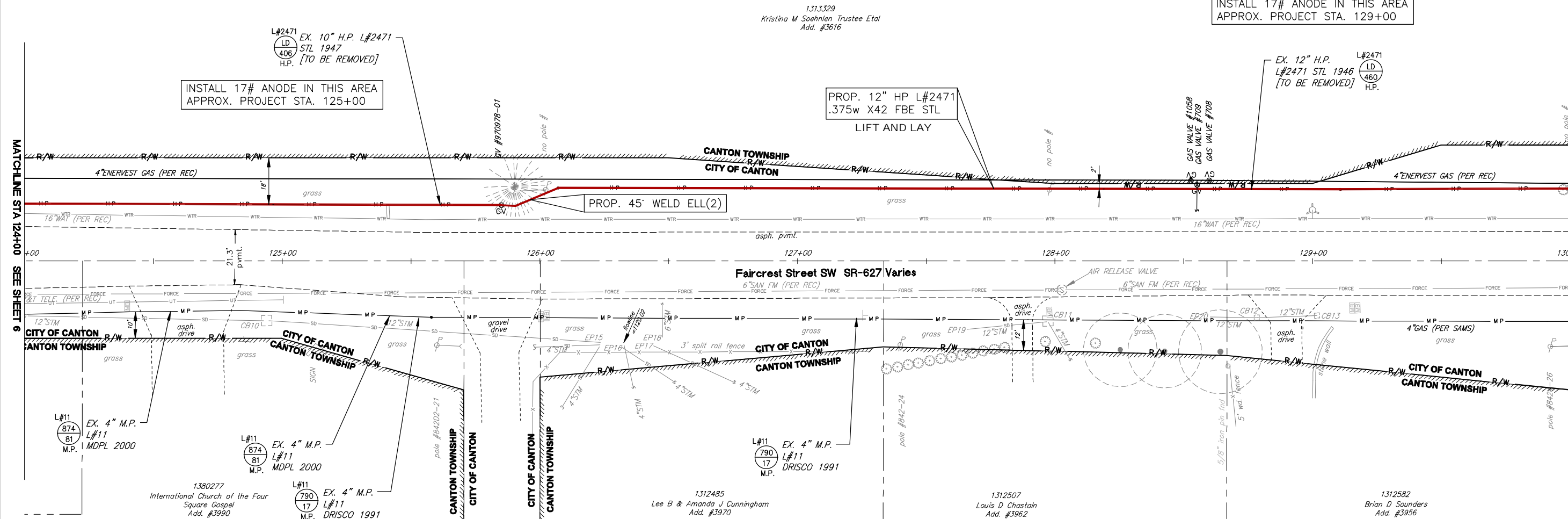
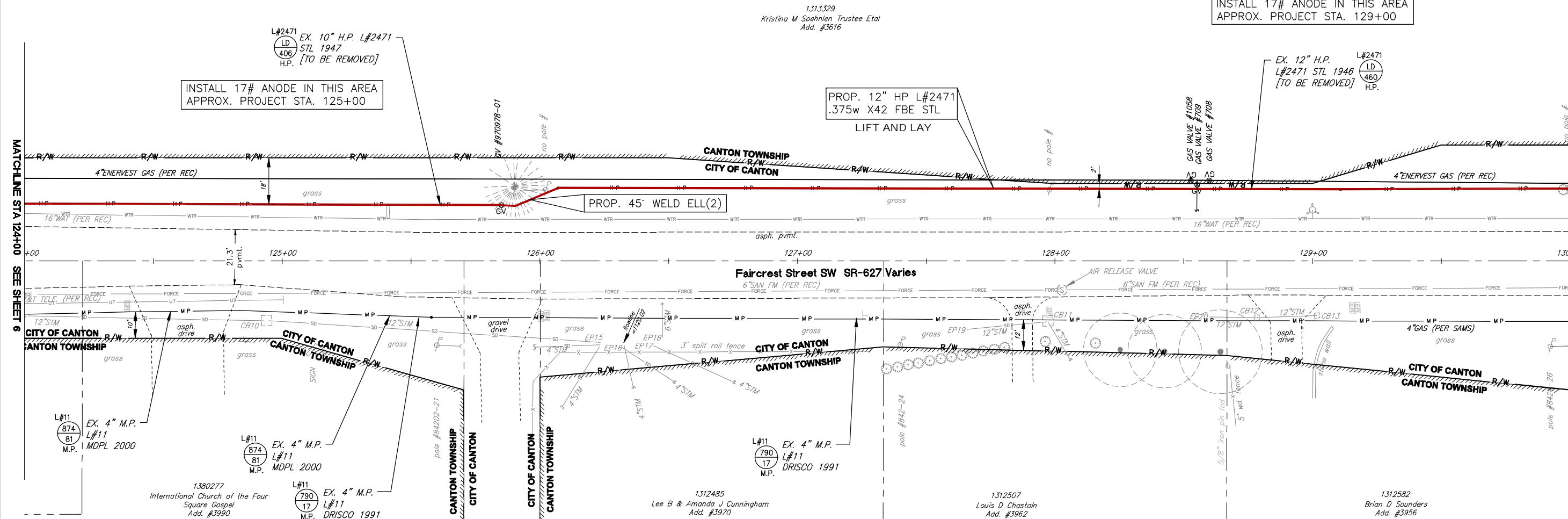
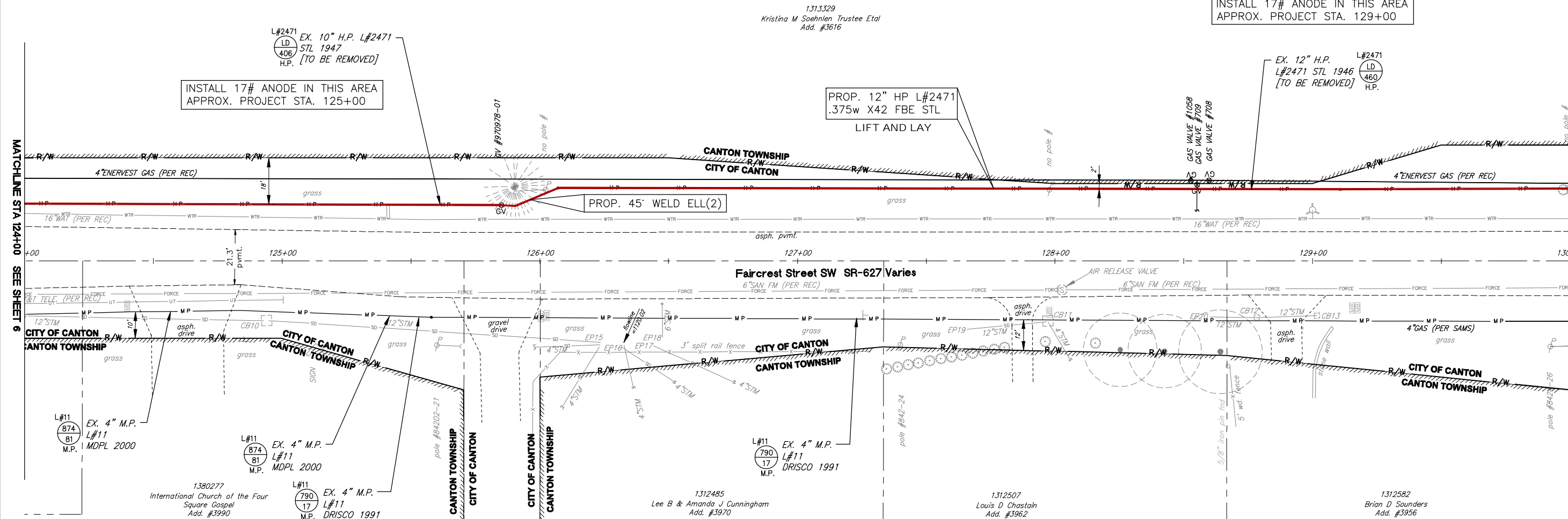
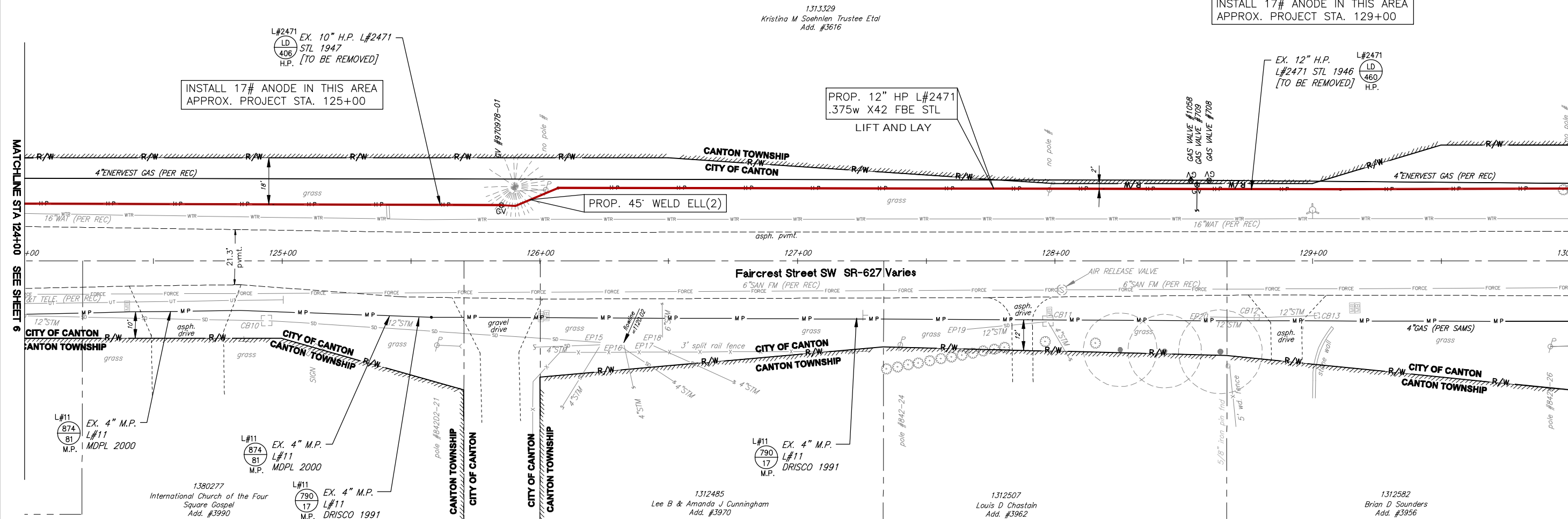
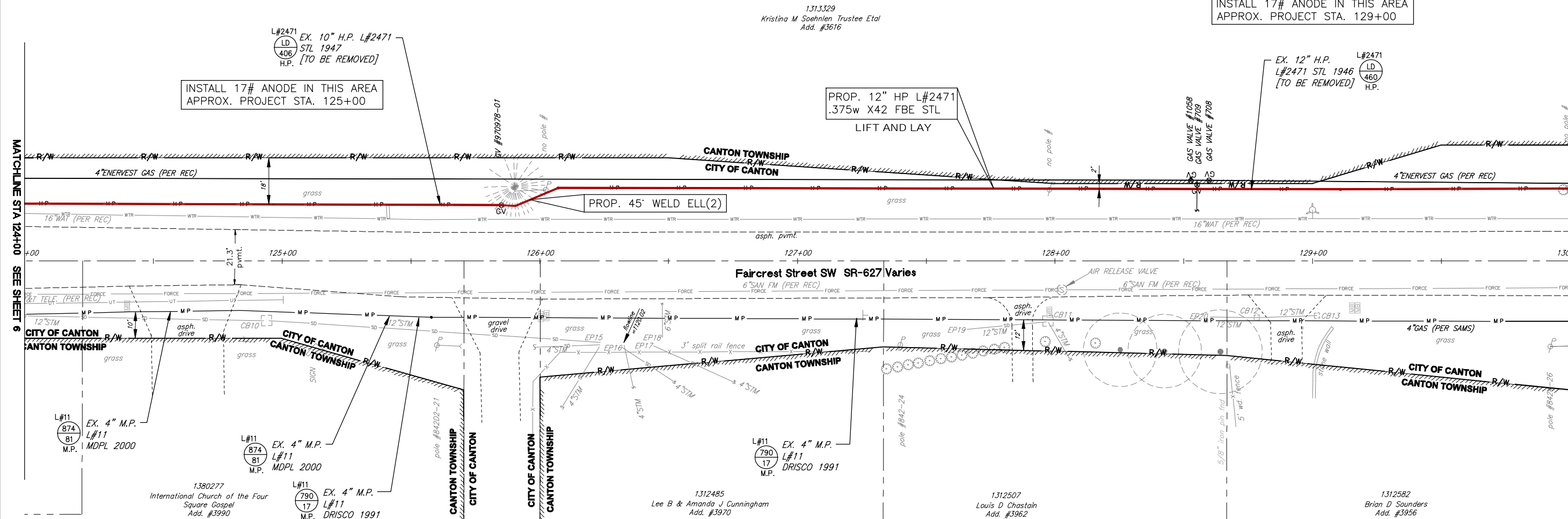
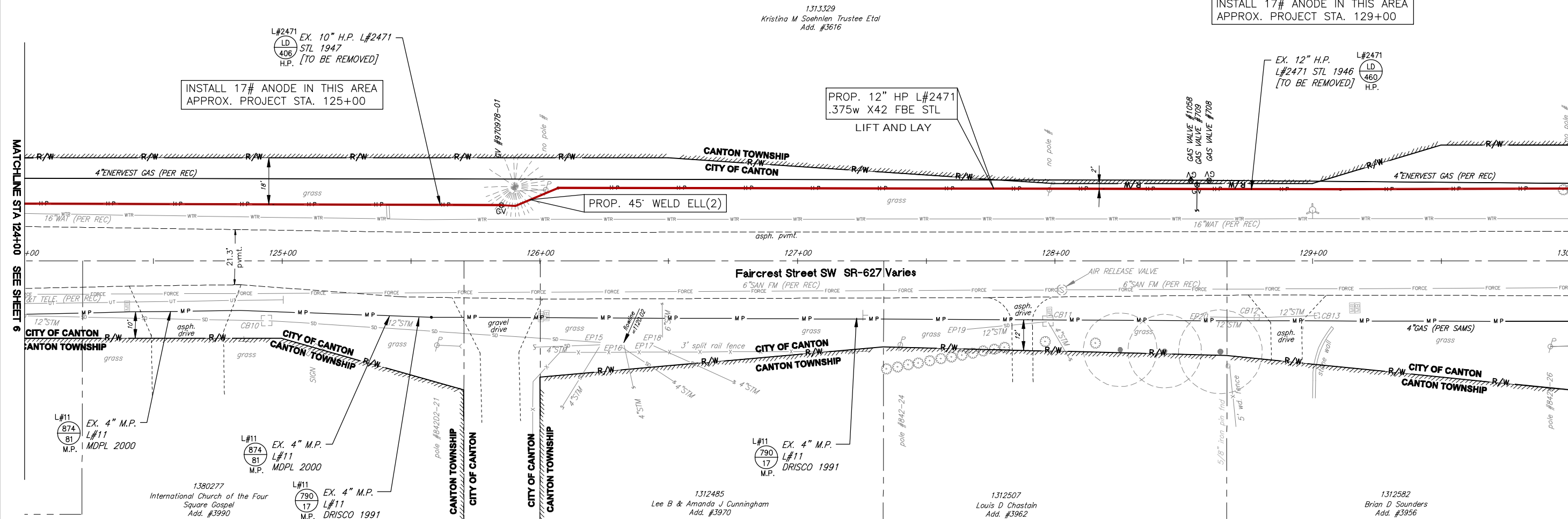
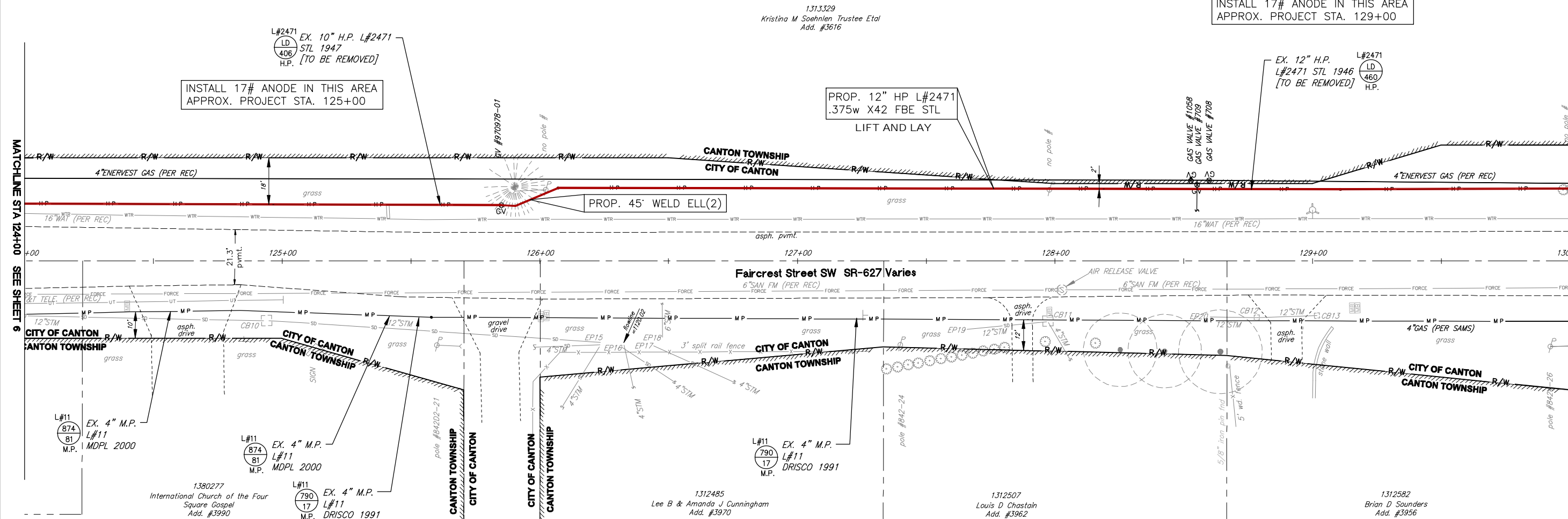
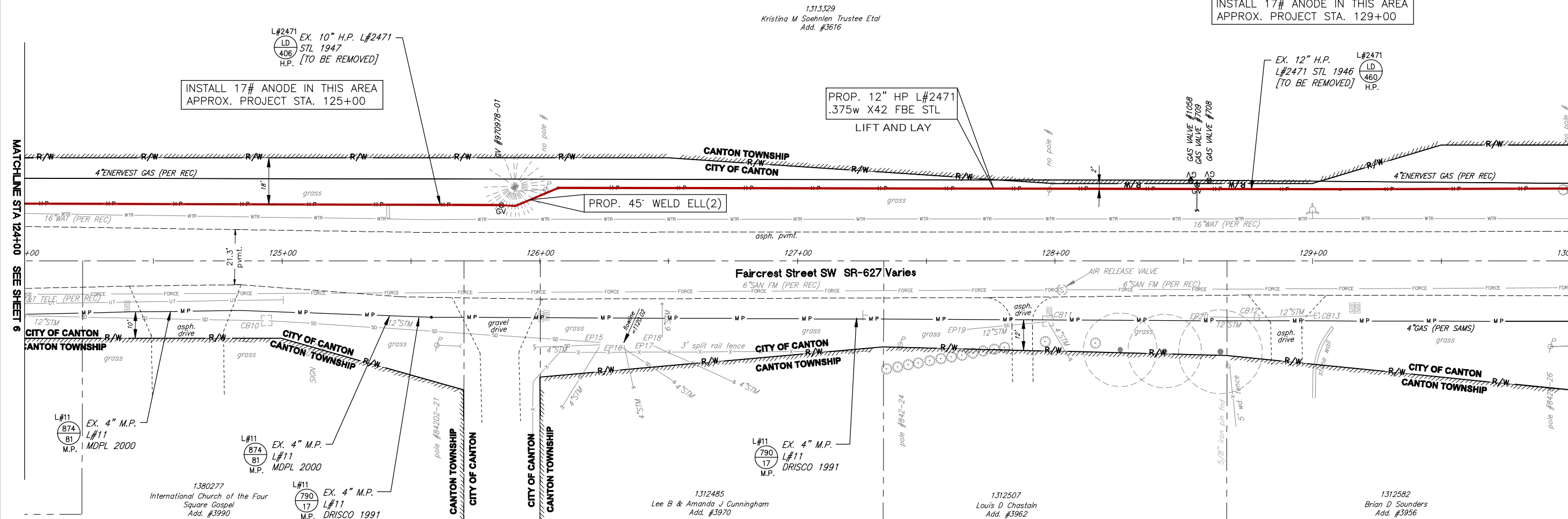
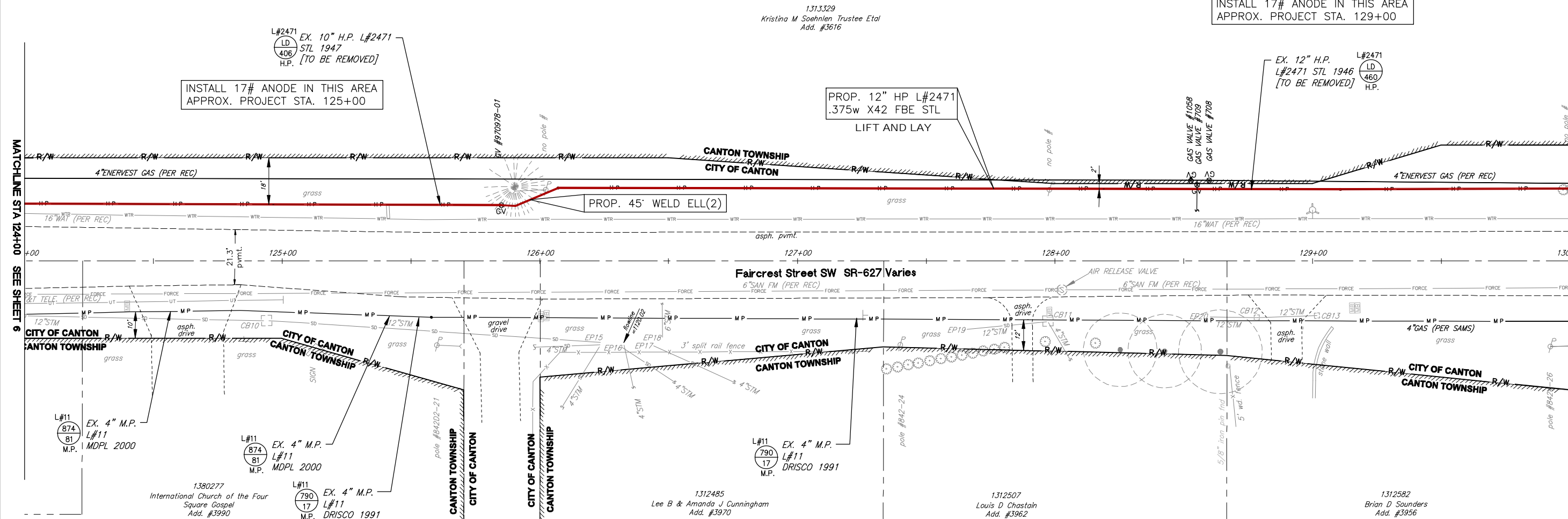
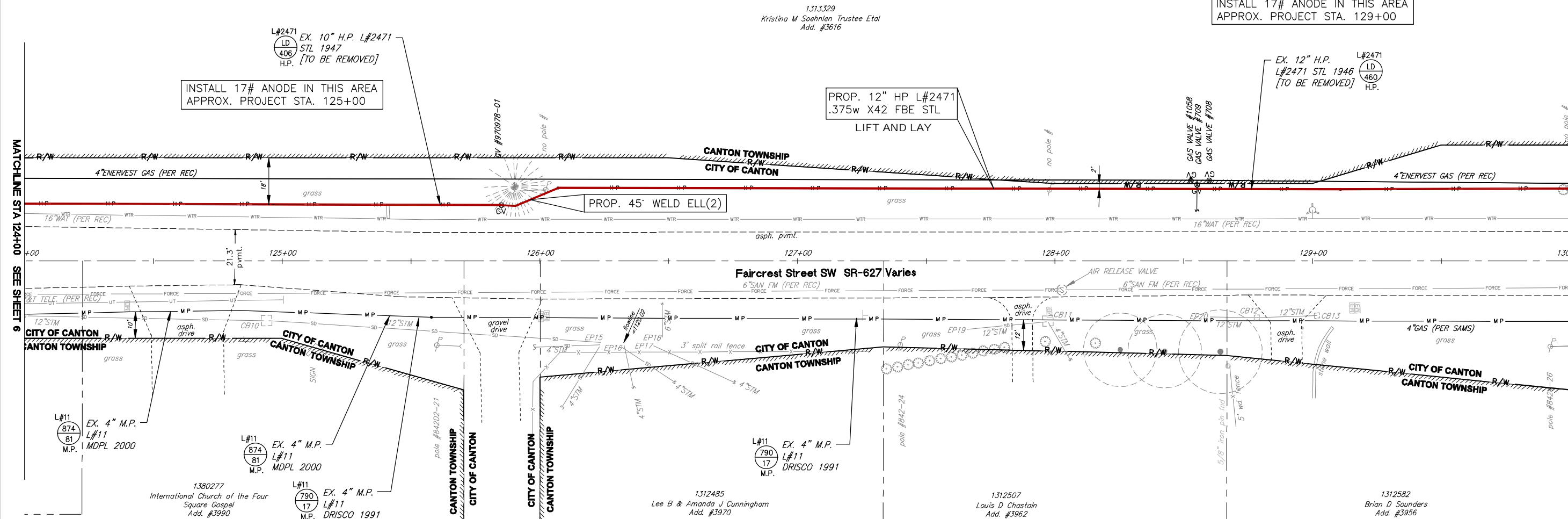
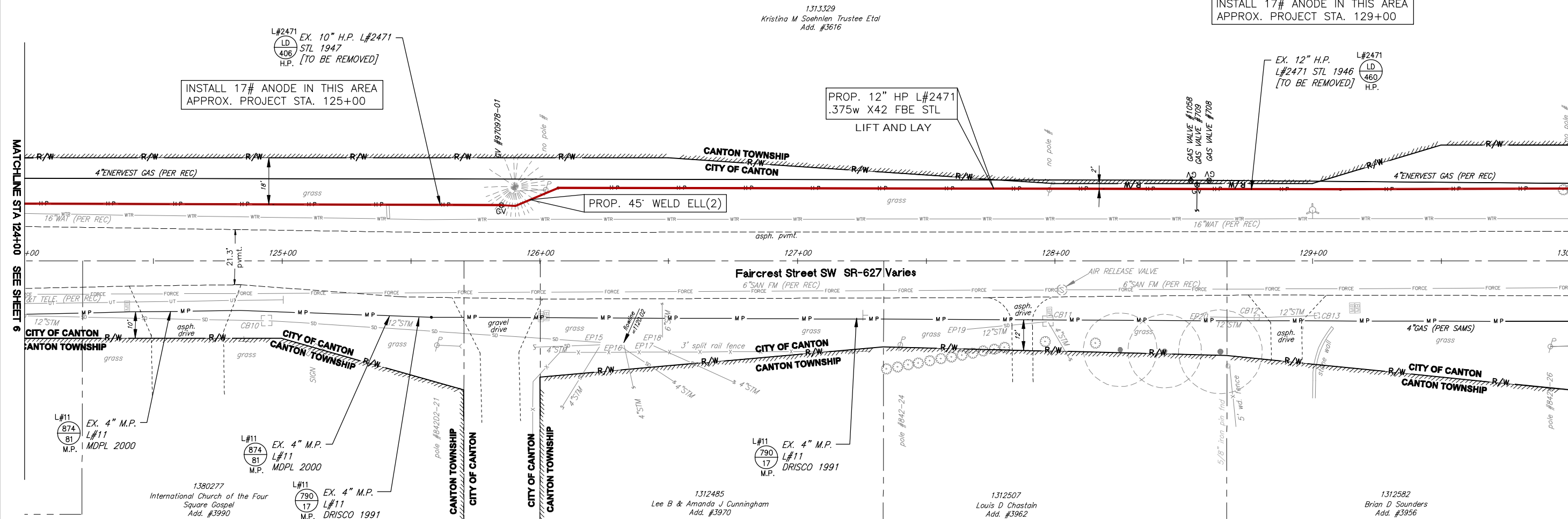
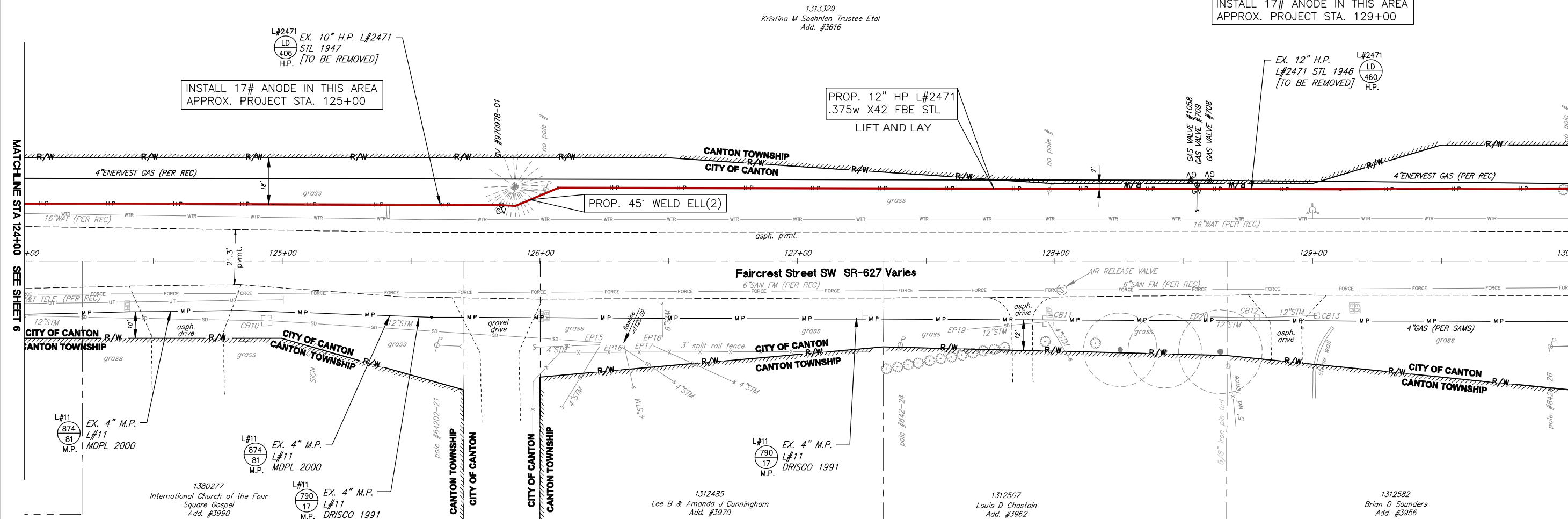
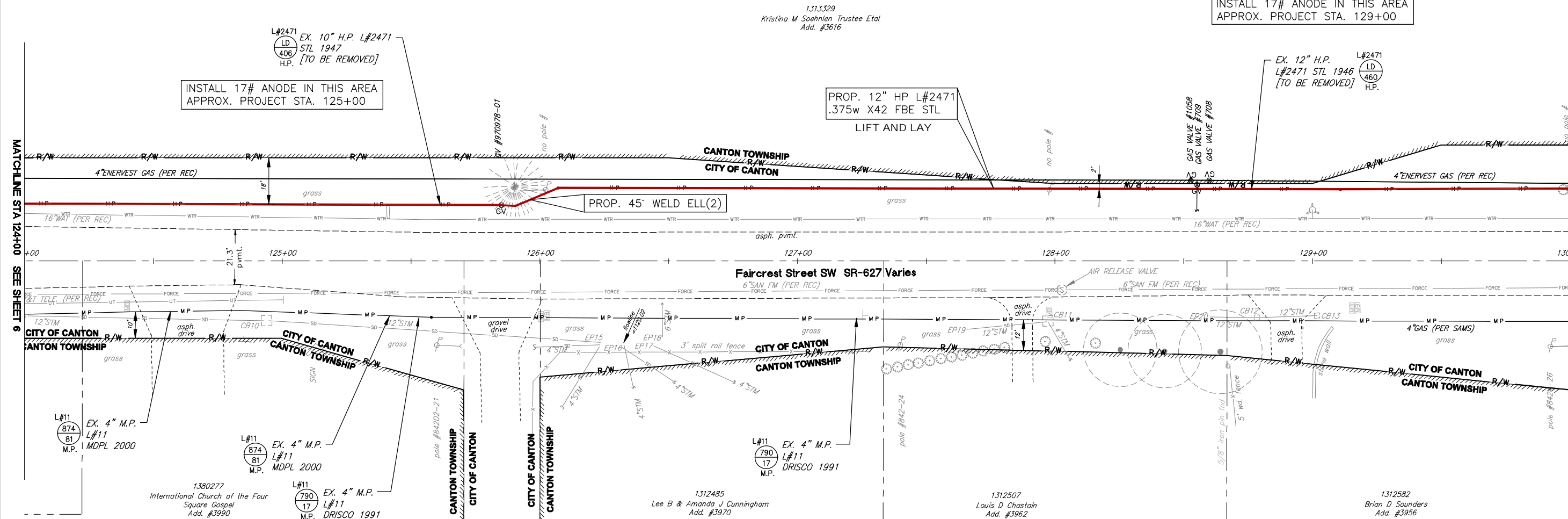
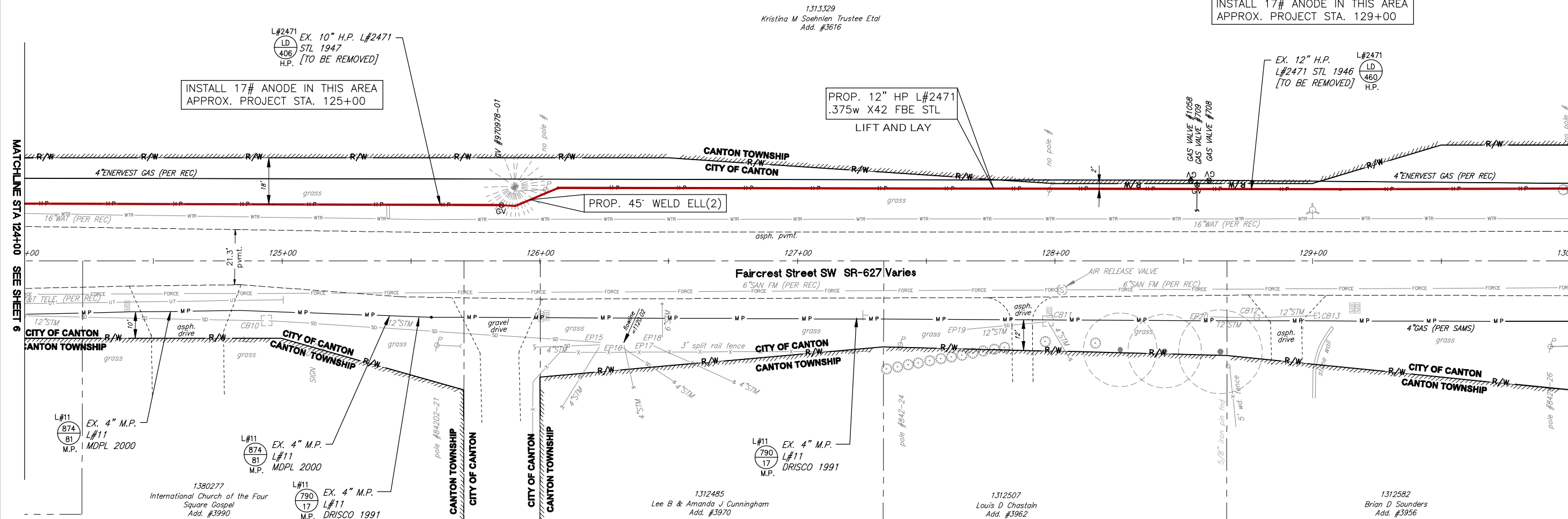
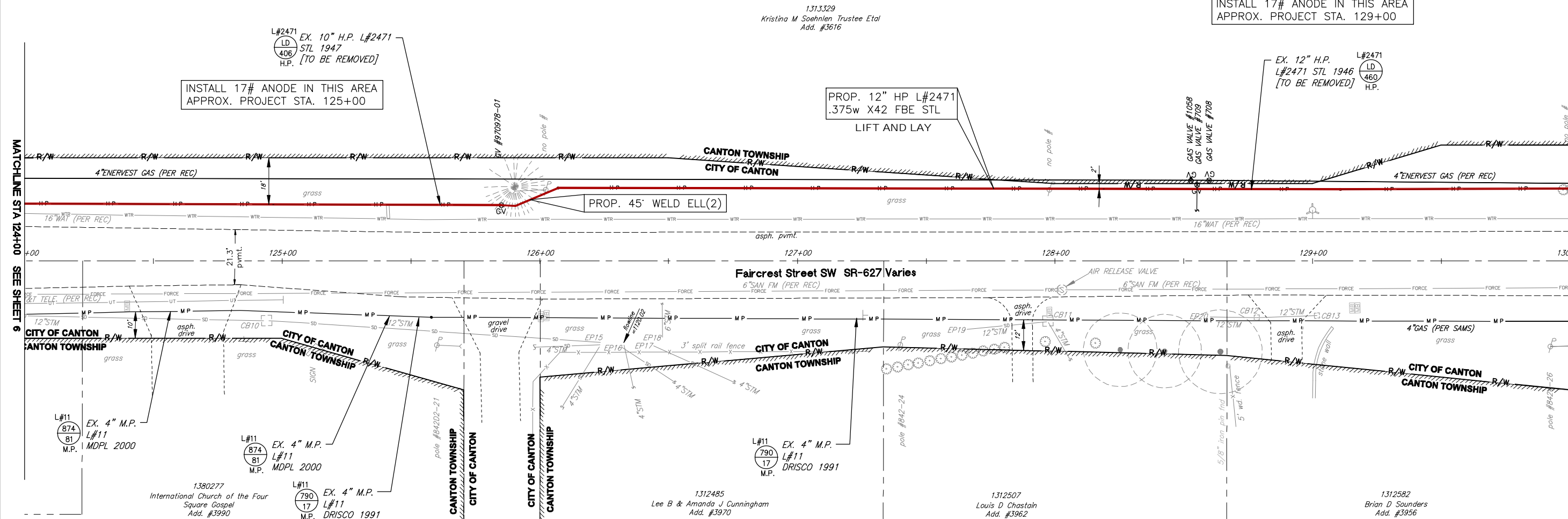
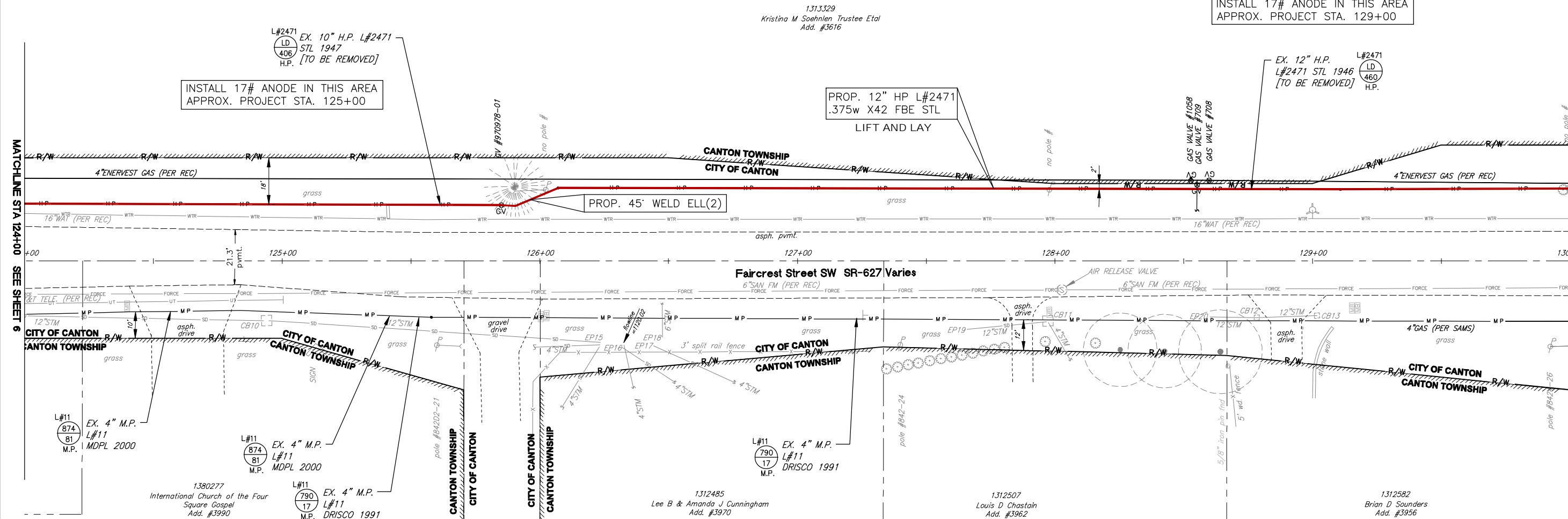
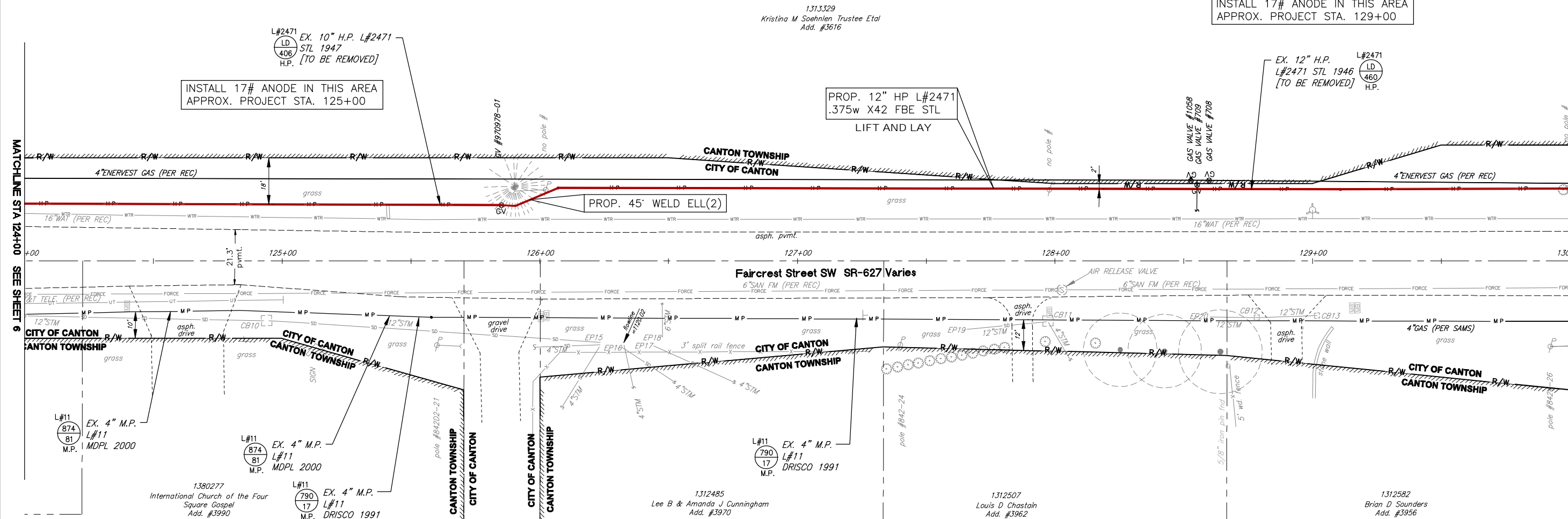
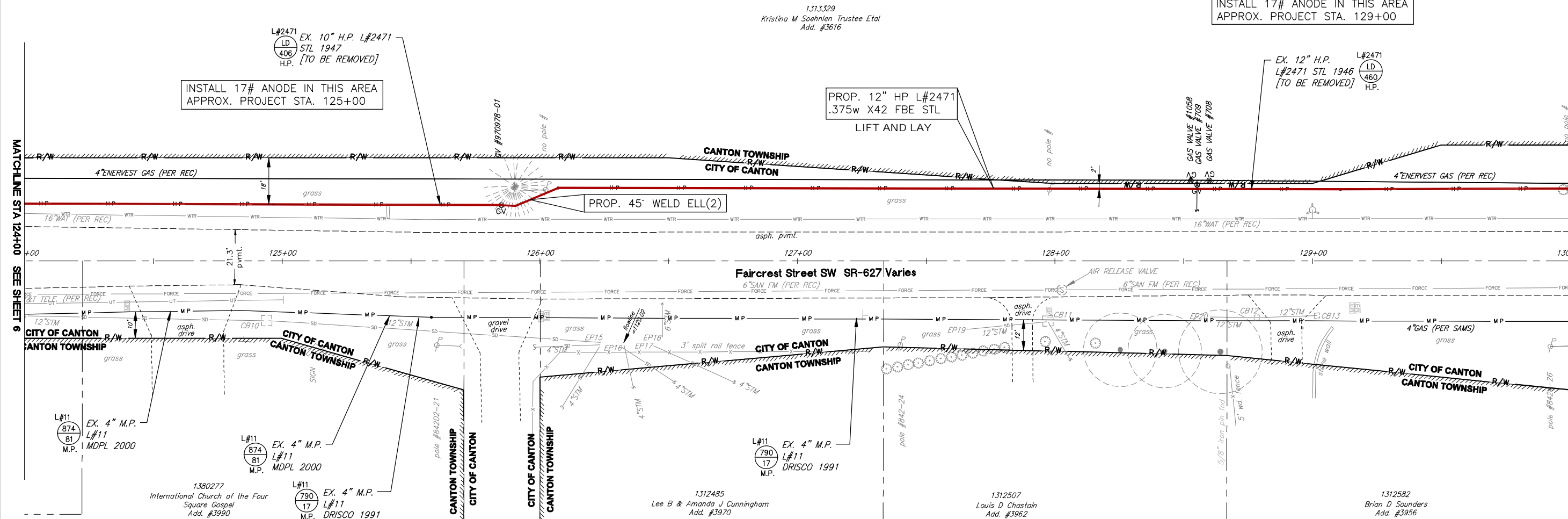
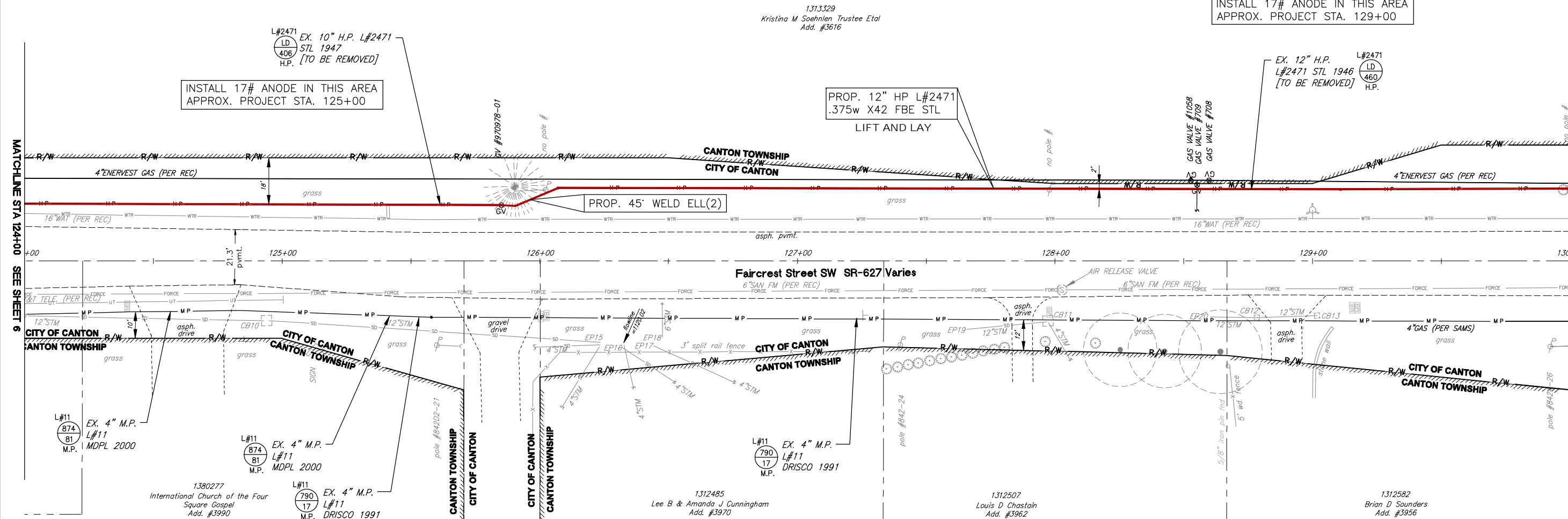
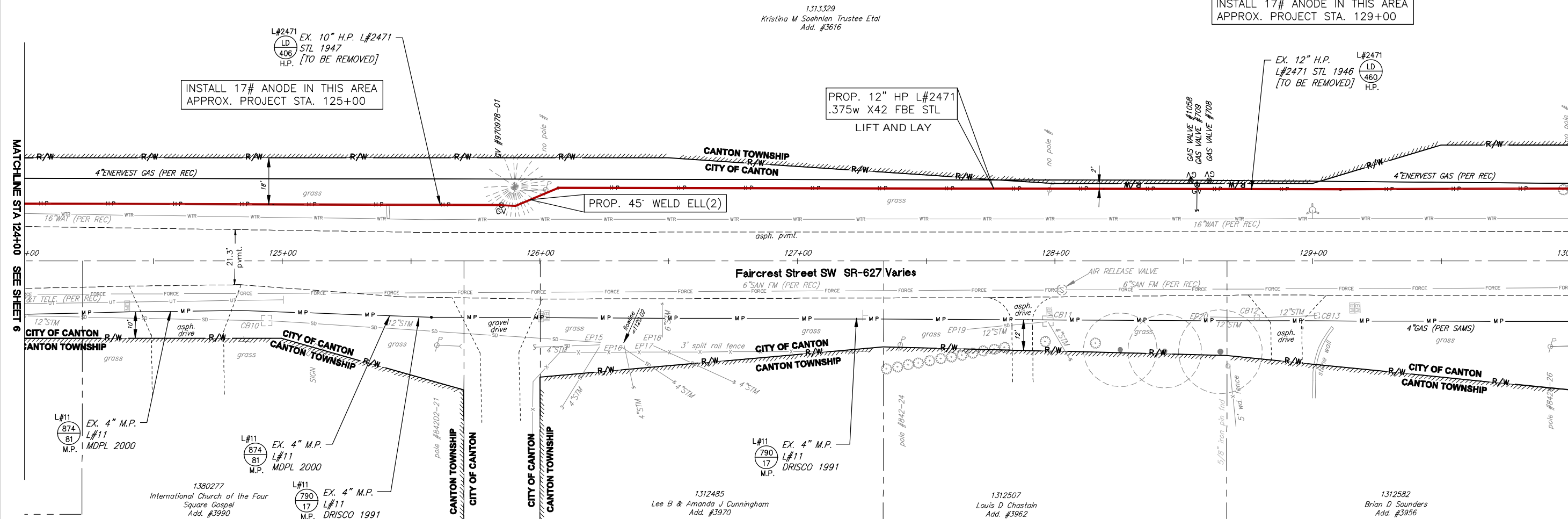
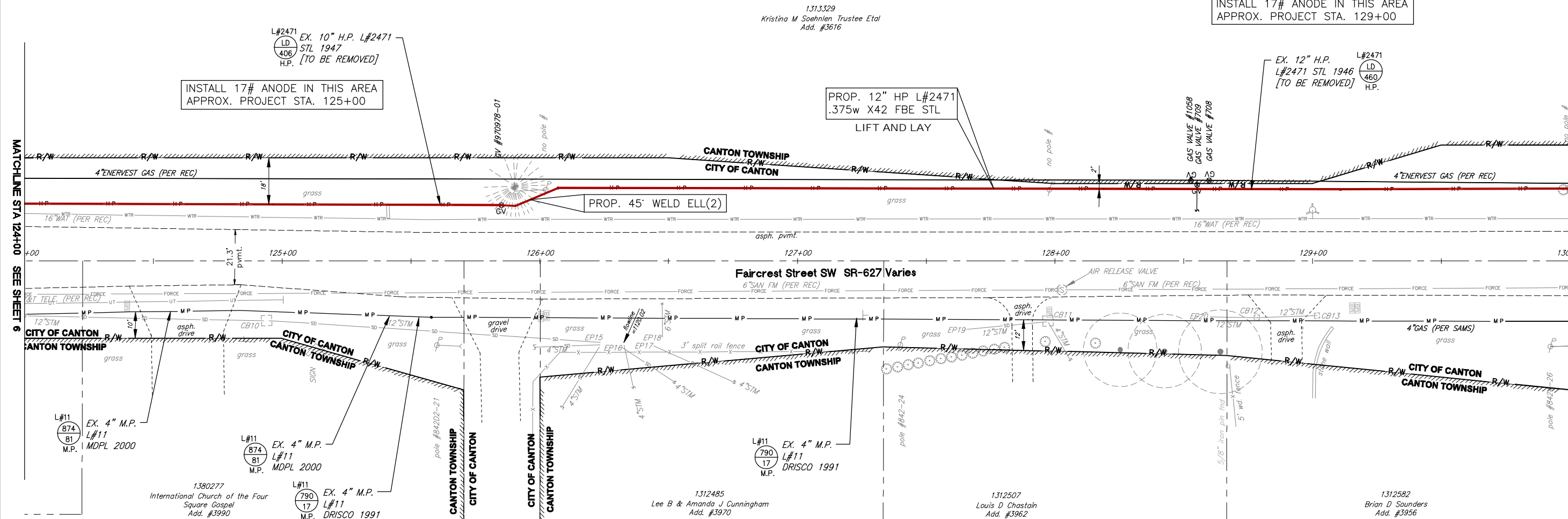
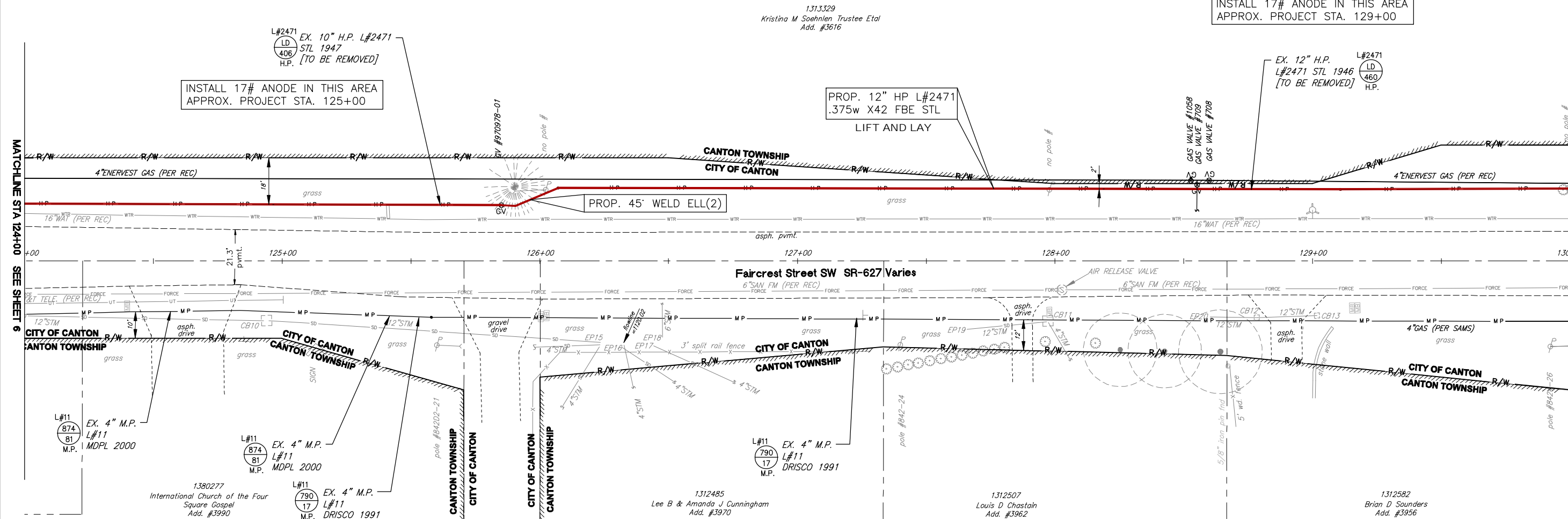
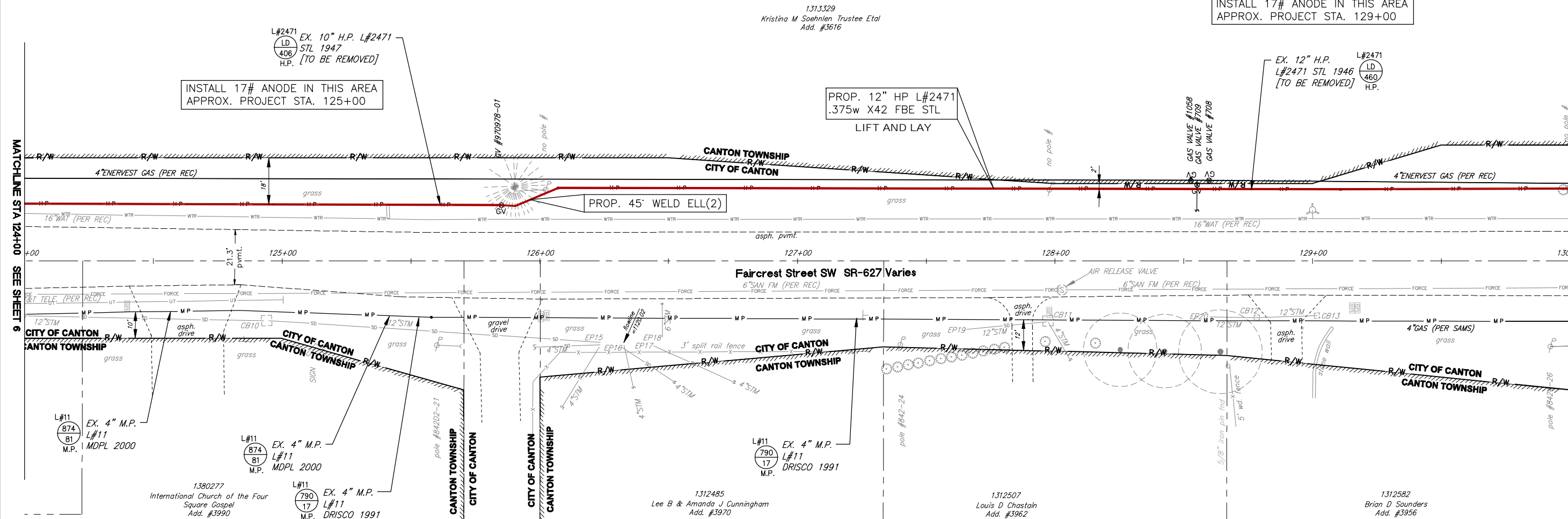
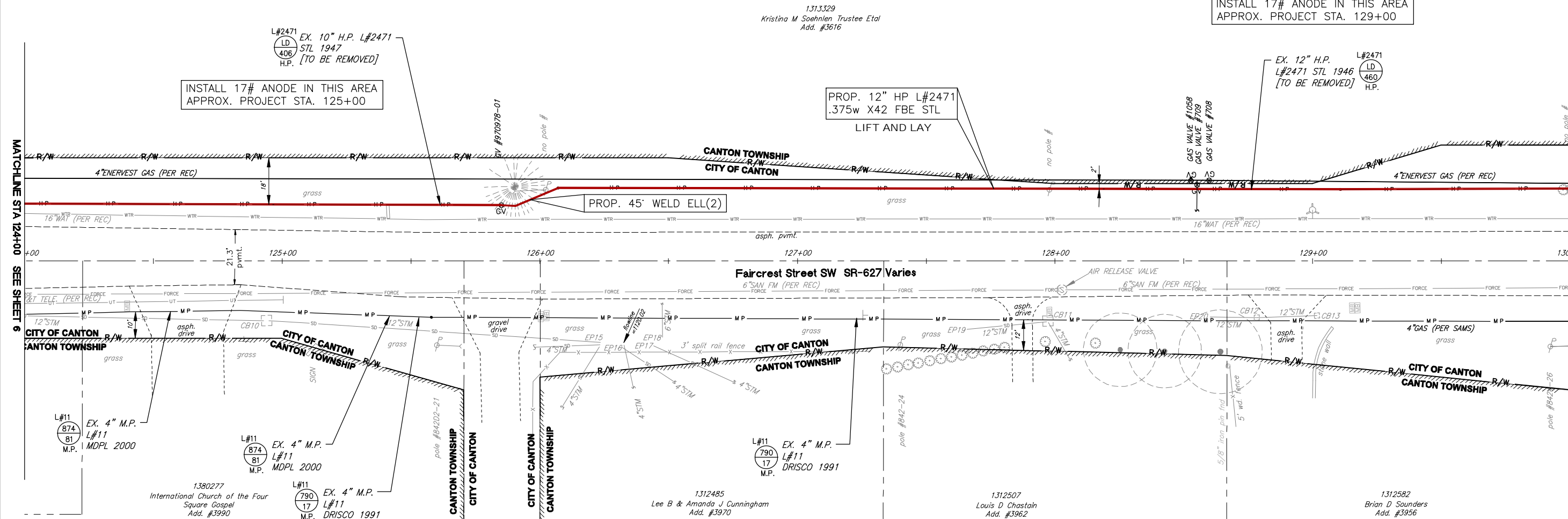
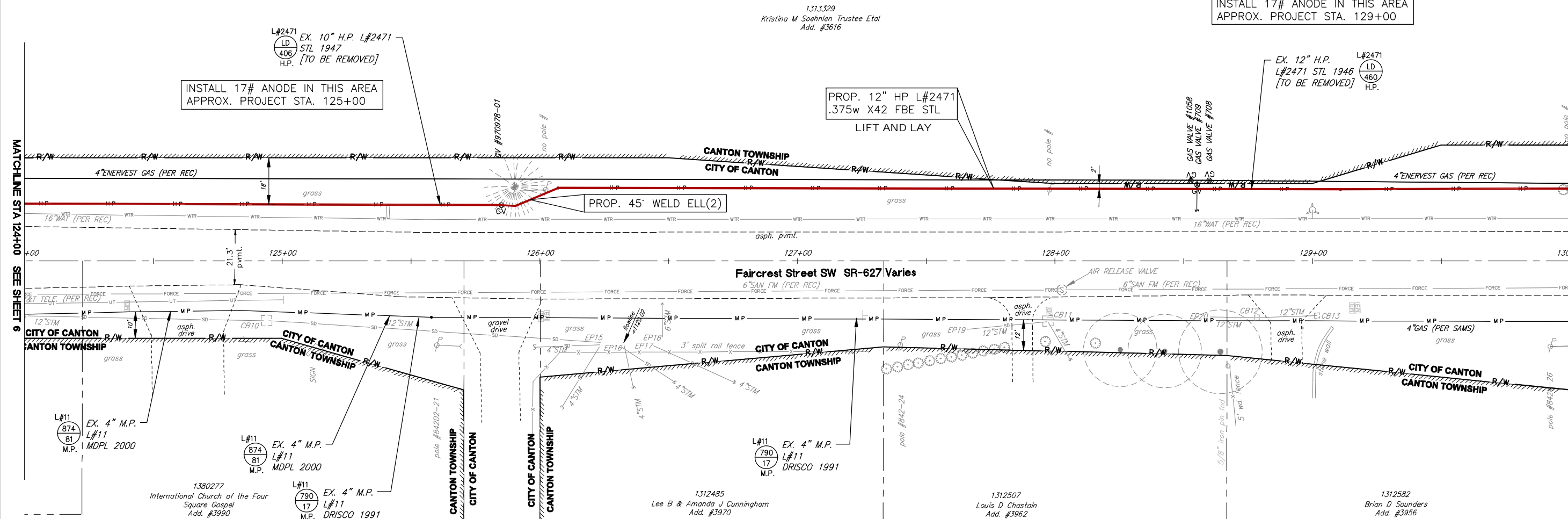
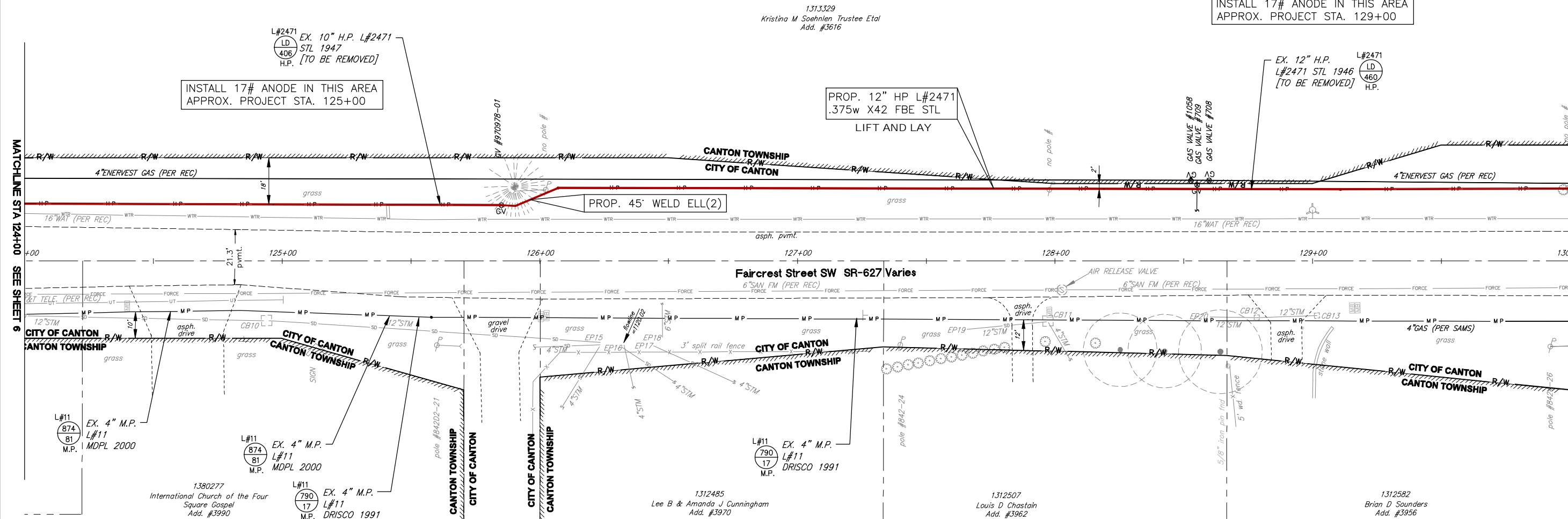
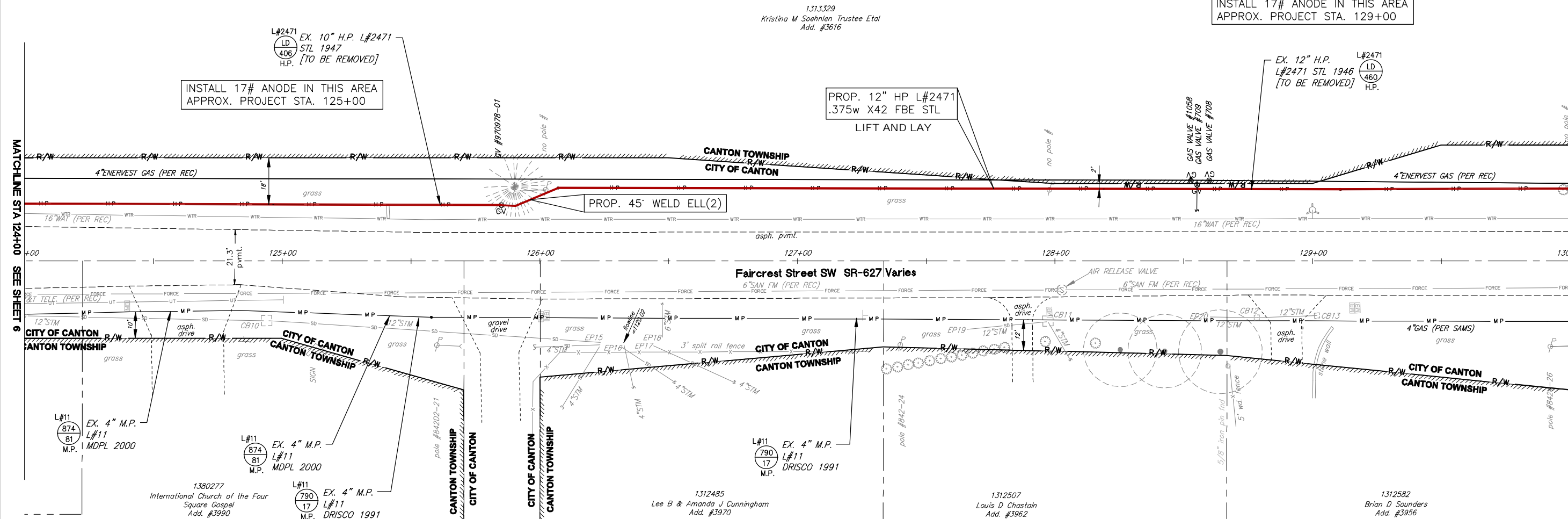
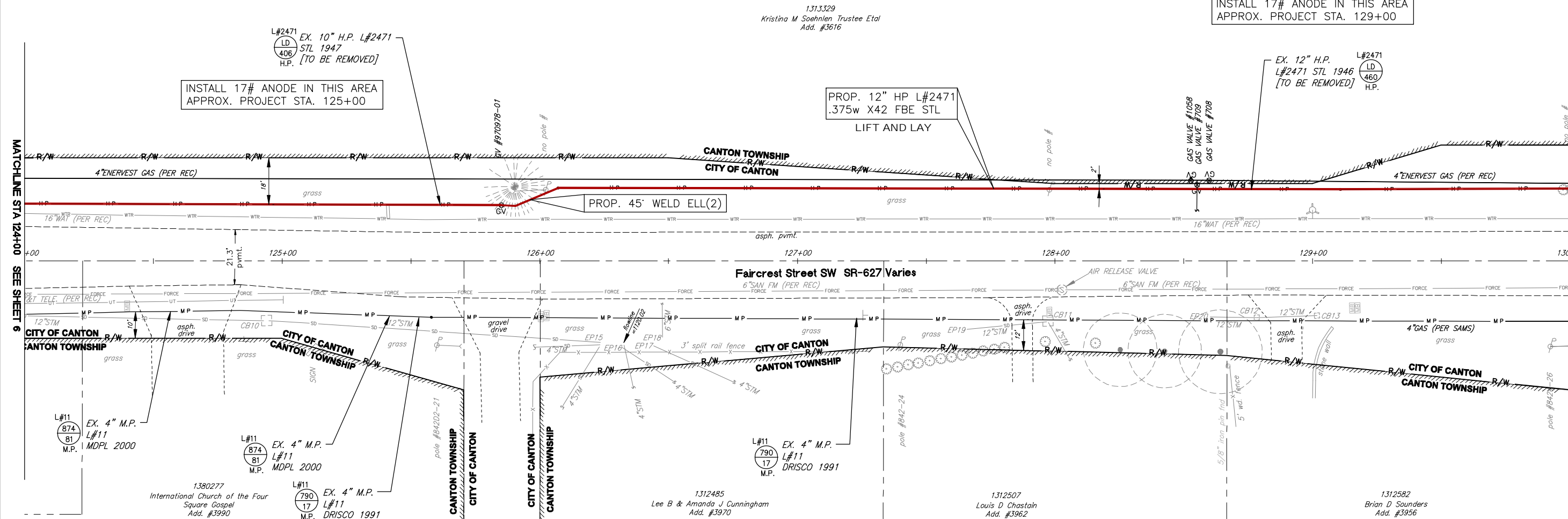
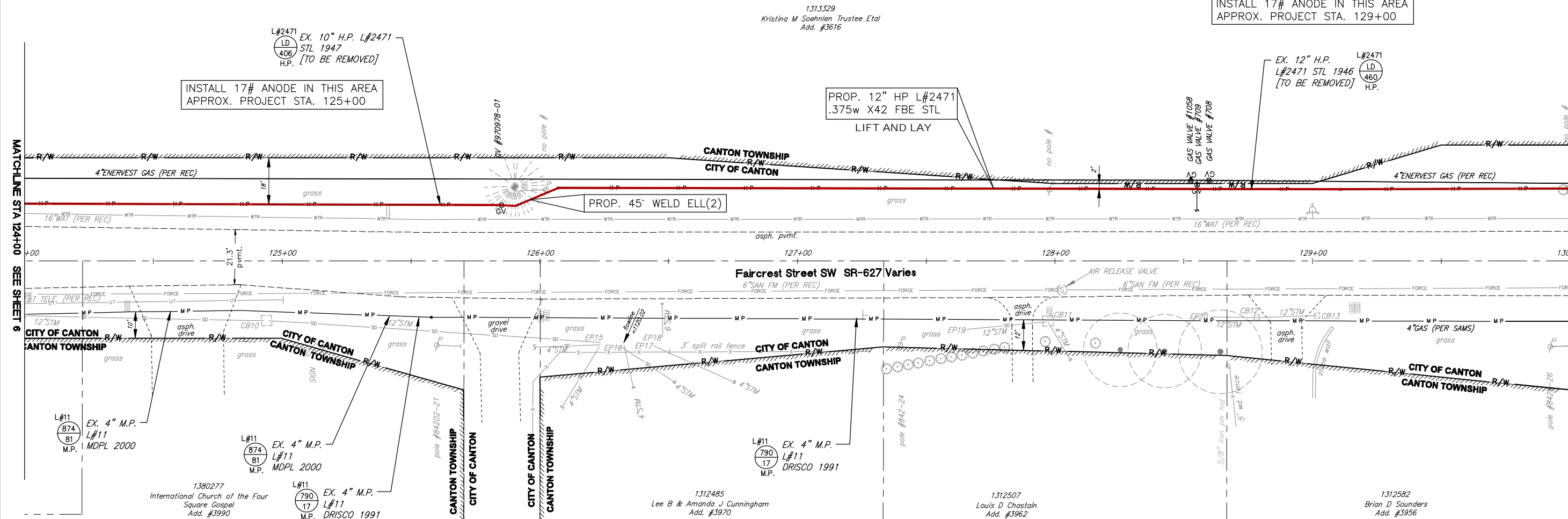
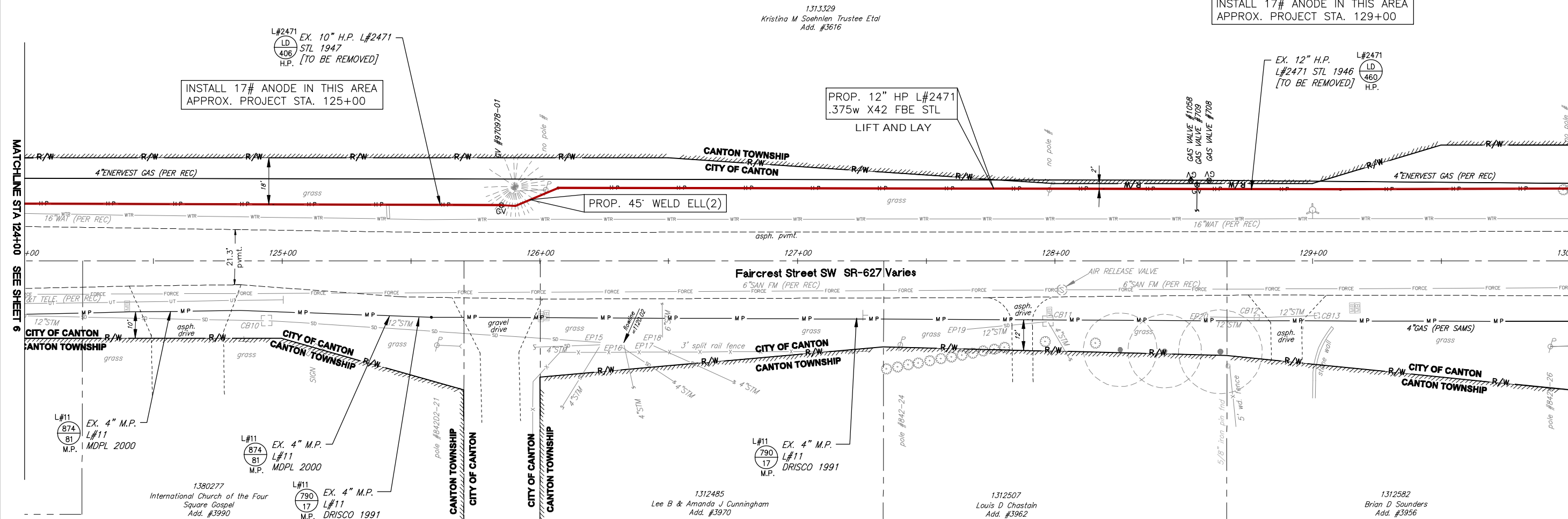
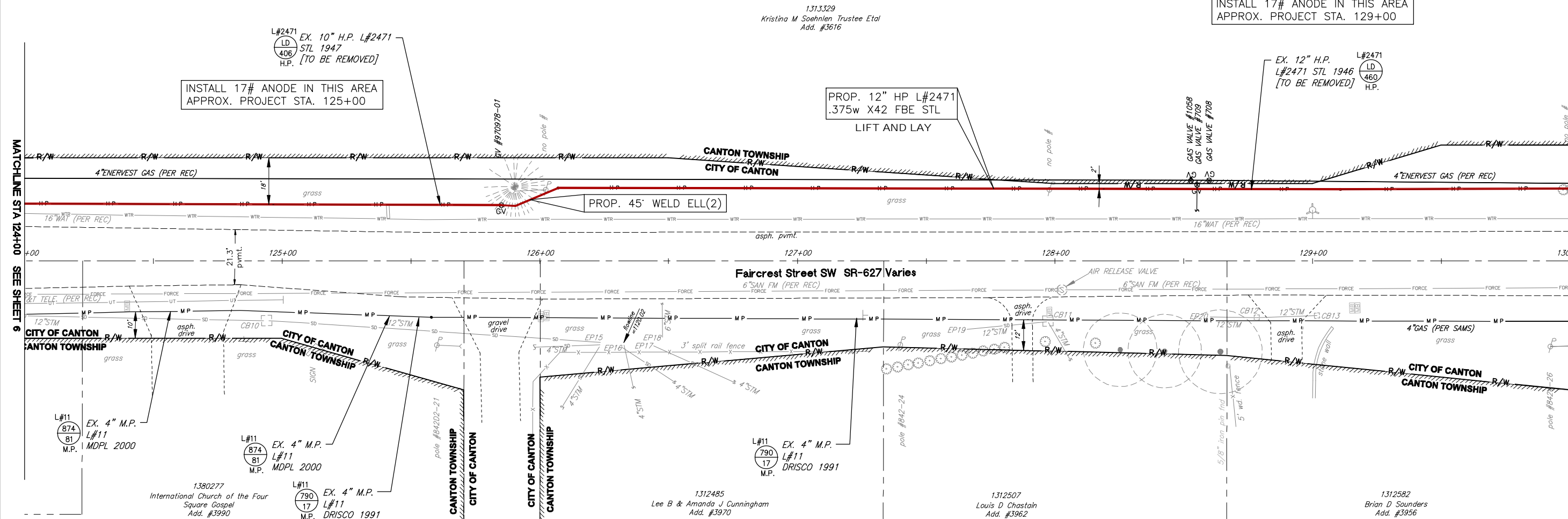
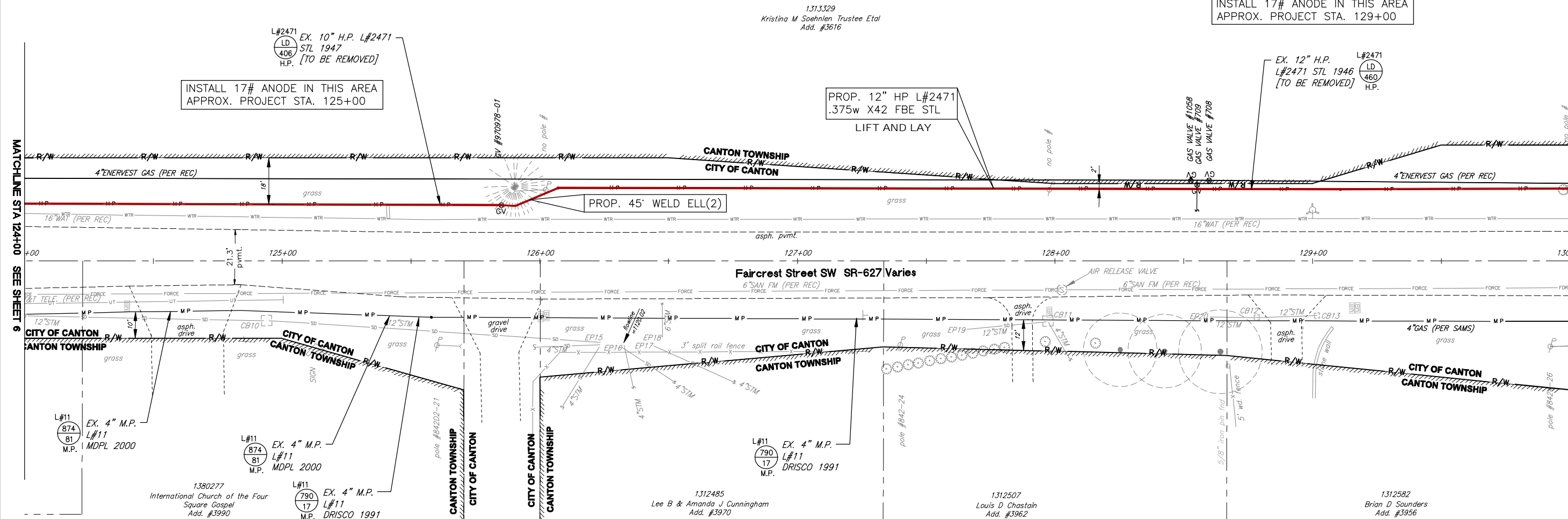
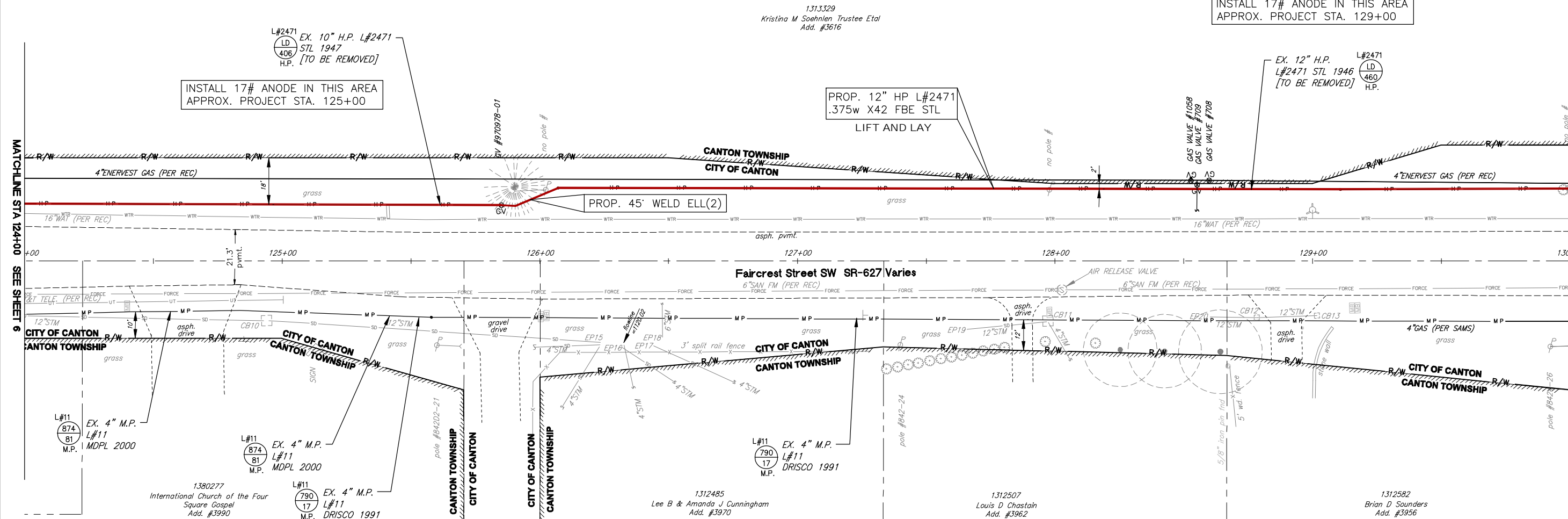
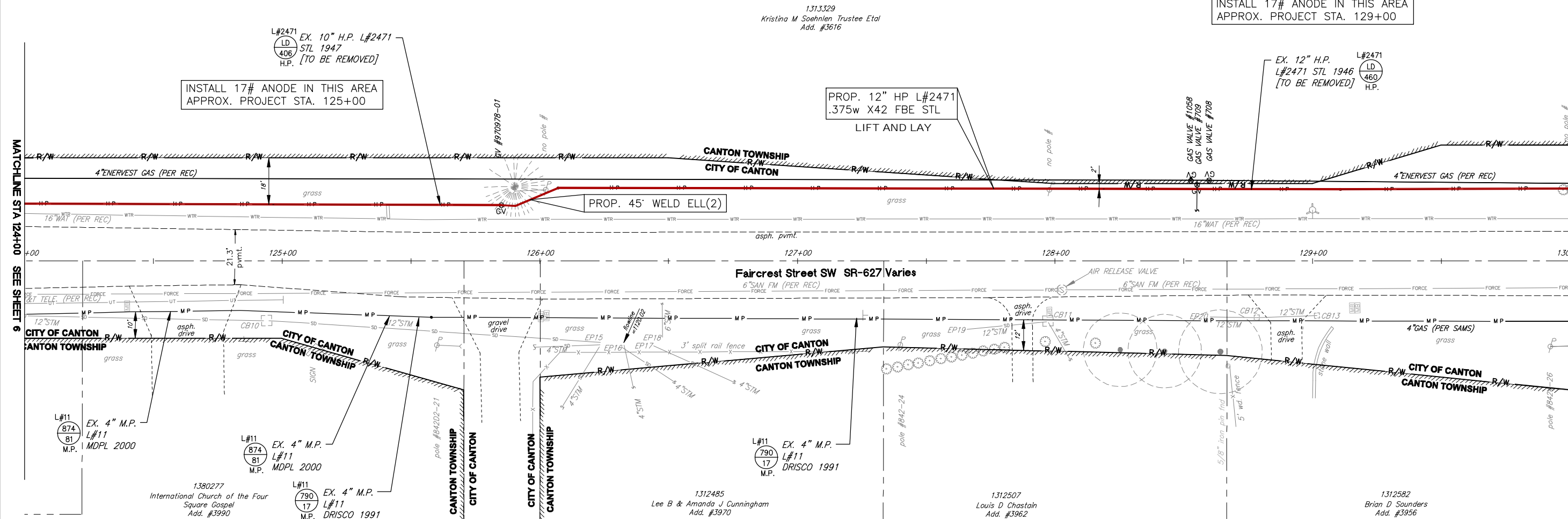
MATCHLINE STA 124+00 SEE SHEET 6

MATCHLINE STA 130+00 SEE SHEET 8

EXISTING SEWER STRUCTURE INFORMATION

CB10 EX STM INLET RIM: 1116.62 INV: 1112.86 (12"W) INV: 1112.93 (12"E)	CB13 EX YARD DRAIN RIM: 1130.15 INV: 1128.89 (12"W)	EP17 EX STM DRAIN RIM: 1120.92 (4"SE)
CB11 EX STM INLET RIM: 1128.13 INV: 1126.48 (12"W) INV: 1126.78 (4"SE)	EP15 EX STM DRAINS INV: 1119.16 (4"SW) INV: 1119.74 (4"W) INV: 1119.06 (12"W)	EP18 EX CULVERT INV: 1121.33 (6"N)
CB12 EX YARD DRAIN RIM: 1130.09 INV: 1129.00 (12"E&W)	EP16 EX STM DRAINS INV: 1120.83 (4"SE) INV: 1121.12 (4"S)	EP19 EX CULVERT INV: 1129.17 (12"E)
	EP20 EX CULVERT INV: 1129.17 (12"E)	

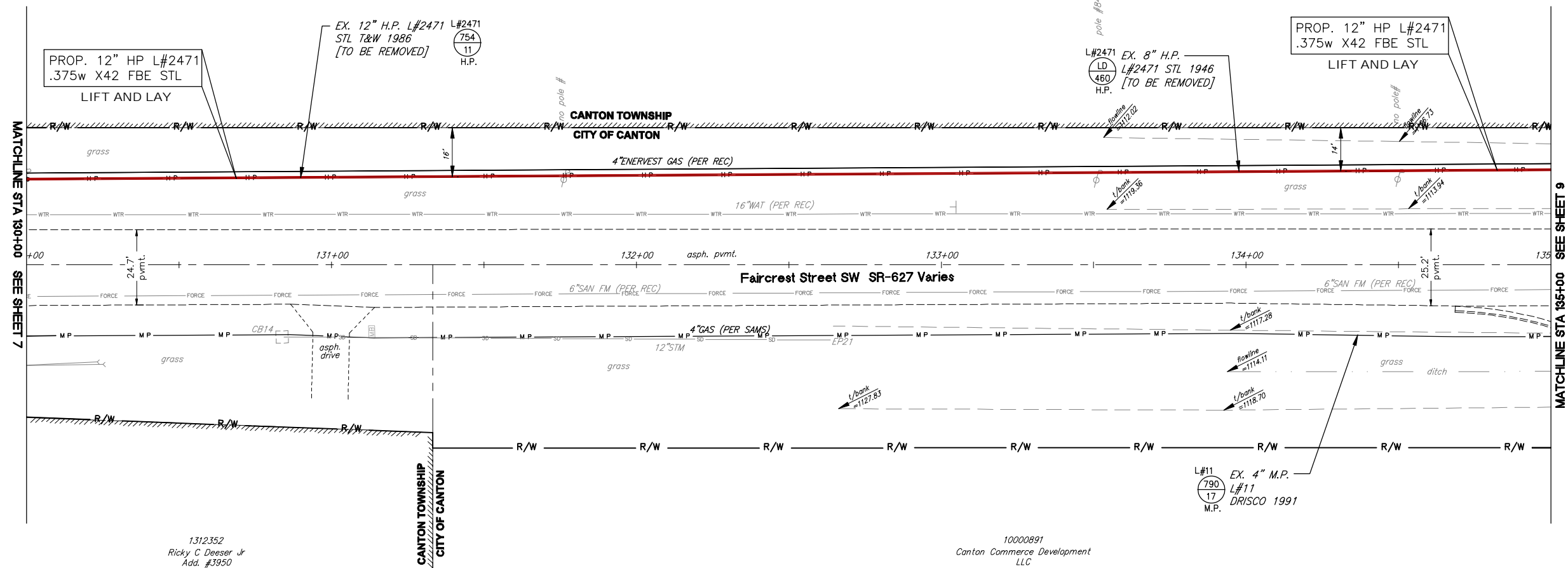
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H.P.
N.S. FAIRCREST STREET
INSTALL 500' ~ 12" .375w X42 FBE STL
REMOVE 500' ~ 8",12" STL
L#2471

INSTALL 17# ANODE IN THIS AREA
APPROX. PROJECT STA. 133+00

1313329
Kristina M Soehnlén Trustee Etal
Add. #3616



EXISTING SEWER STRUCTURE INFORMATION

CB14	EP21
EX STM INLET	EX CULVERT
RIM: 1127.94	INV: 1120.92 (12"W)
INV: 1125.82 (12"E)	



NORTH

DRAWING SCALE

[illegible]

PIR 749
CITY OF Canton, STARK CO.

FAIRCRESS STREET
STA 130+00 TO STA 135+00

DATE: UPDATE
PROJECT ID#: P400017115

$$\frac{8}{17}$$

H.P.
N.S. FAIRCRESS STREET
INSTALL 600' ~ 12" .375w X42 FBE STL
REMOVE 600' ~ 8" STL
L#2471

REESTABLISH TEST POINT
28-128.10 AND LOCATE IN THE
AREA OF CHAMBER RD.

INSTALL 17# ANODE IN THIS AREA
APPROX. PROJECT STA. 137+00

1313329
Kristina M Soehnlen Trustee Etal
Add. #3616

PROP. 12" HP L#2471
.375w X42 FBE STL
LIFT AND LAY

EX. 8" H.P. L#2471
L#2471 STL 1946
[TO BE REMOVED]

PROP. 12" HP L#2471
.375w X42 FBE STL

L#2471 EX. 8" H.P. ———
 LD
 460 L#2471 STL 1946
 H.P. [TO BE REMOVED]

MATCHLINE STA 135+00 SEE SHEET 8

41 SEE SHEET 10

Faircrest Street SW SR-627 Varies

EX. 4" M.P. L#11
L#11
DRISCO 1991

1312377
Lesleyann Ziegler
Add. #3910

INSTALL 17# ANODE IN THIS AREA
APPROX. PROJECT STA. 139+00

L#11
EX. 4" M.F.
L#11
STL 1986

1312345
Eva L Baker
Add. #3826

EXISTING SEWER STRUCTURE INFORMATION

MH1	CB15	EP23	EP26
EX STM MH	EX STM INLET	EX CULTURT	EX CULTURT
RIM: 1107.94	RIM: 1097.74	INV: 1092.86 (18"S)	INV: 1099.83 (18"E)
INV: N/A	INV: 1093.77 (24"W)	DEPTH PER PLAN	
	INV: 1094.61 (18"E)		
	INV: 1095.31 (4"SE)		
MH2	EP22	EP24	EP27
EX STM MH	EX CULTURT	EX CULTURT	EX CULTURT
RIM: 1107.17		INV: 1098.07 (18"W)	INV: 1100.26 (18"W)
INV: 1095.67 (24"NE)	EX CULTURT		
INV: 1095.67 (24"SE)	INV: 1106.33 (12"E)		
		EP25	
		EX STM DRAIN	
		RIM: 1100.18 (4"SE)	

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



NORTH

DRAWING SCALE

DATE	BY
------	----

DESCRIPTION

Dominion

PIR 749
CITY OF Canton, STARK CO.

FAIRCREST STREET
STA 135+00 TO STA 141+00

DATE: UPDATE
PROJECT ID#: P400017115

9
17

HP L# 2471 STOPPER
CONTRACTOR TO INSTALL
8" STOPPER 300 ANSI
APPROX. 5' W. OF EX. 4" VLV #841
INSTALL 8" WN FLG 300 ANSI RF .250w GrB
8" BLD FLG 300 ANSI AT TIME OF TAKEDOWN

END SECTION II

REFER TO SHEET 10A
FOR CLUSTER VALVE
DETAIL

HP L# 2471 TIE-IN
CONTRACTOR TO REMOVE
EX. 4" VLV #841 & RELATED APPURTENANCES
8" WN FLG & BLD FLG INSTALLED AT TAKEDOWN
4" WN FLG & BLD FLG INSTALLED ON HP L#3735
HP INLET TO STATION

CONTRACTOR TO INSTALL
1-12" WN FLG 300 ANSI .375w RF Y42
CONNECT TO TO NEW 12" 300 ANSI VLV
1-12"x4" WLD TEE .375x.280 Y52
1-6"x4" WLD RDCR .280x.237 GrB
2-4" WN FLGS 300 ANSI RF .237w GrB
1-4" GT VLV 300 ANSI FLG/FLG
CONNECT TO 4" HP L#3735

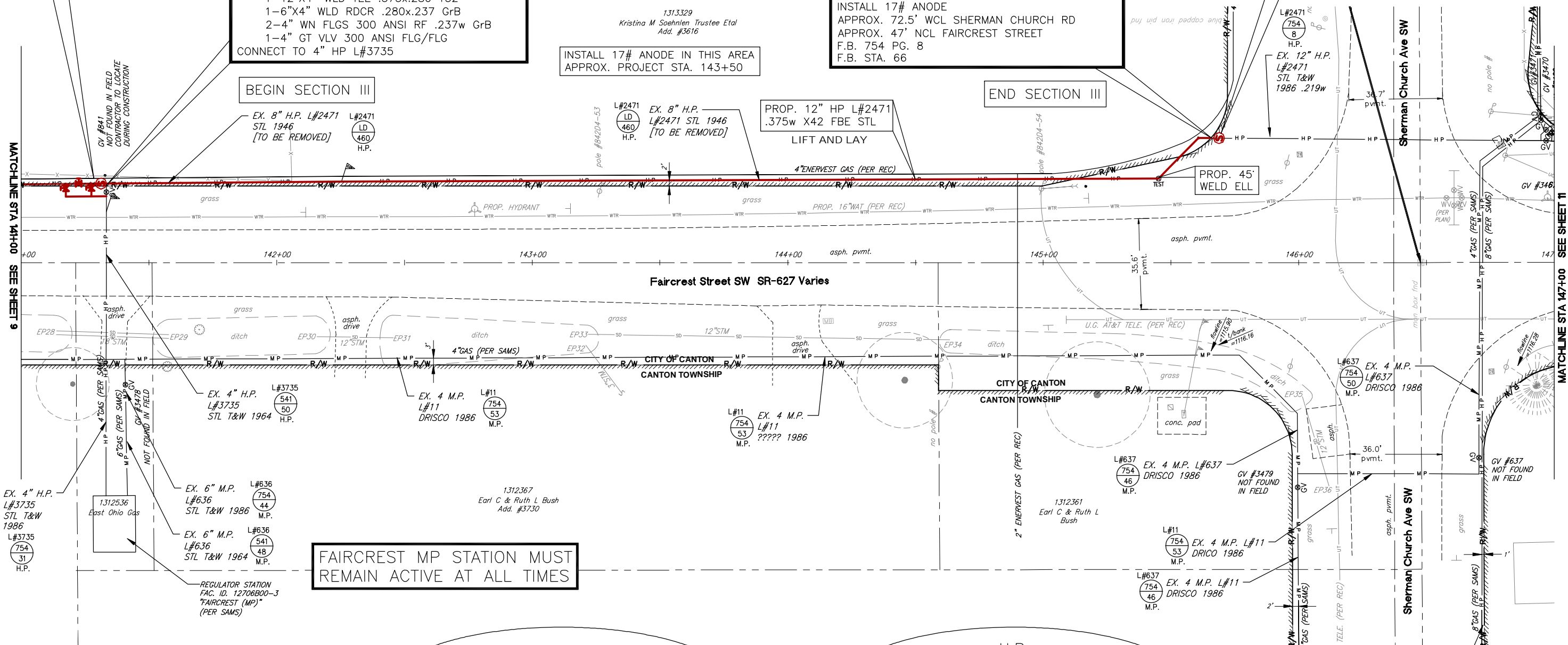
INSTALL 17# ANODE IN THIS AREA
APPROX. PROJECT STA. 143+50

HP L# 2471 TIE-IN
CONTRACTOR TO REMOVE
EX. 8" INS CPLG & LUGS
12"X8" RDCR

CONTRACTOR TO INSTALL
1-12" WN FLG 300 ANSI .375w RF Y42
1-12" 300 ANSI INSULATION KIT
REMOVE 12" BLD FLG
TIE COMPLETE TO 12" WN FLG INSTALLED AT
TIME OF TAKEDOWN

REESTABLISH TEST POINT 28-129.10
2-#12 RED WIRES EAST
INSTALL NEW TEST POINT ZONE 28
2-#12 BLK WIRES WEST
INSTALL 17# ANODE
APPROX. 72.5' WCL SHERMAN CHURCH RD
APPROX. 47' NCL FAIRCREST STREET
F.B. 754 PG. 8
F.B. STA. 66

HP L# 2471 STOPPER
CONTRACTOR TO INSTALL
12" STOPPER 300 ANSI
APPROX. 69.5' WCL SHERMAN CHURCH
APPROX. 47' NCL FAIRCREST STREET
INSTALL 12" WN FLG 300 ANSI RF
.250w Y52
12" BLD FLG 300 ANSI AT TIME OF
TAKEDOWN



EXISTING SEWER STRUCTURE INFORMATION

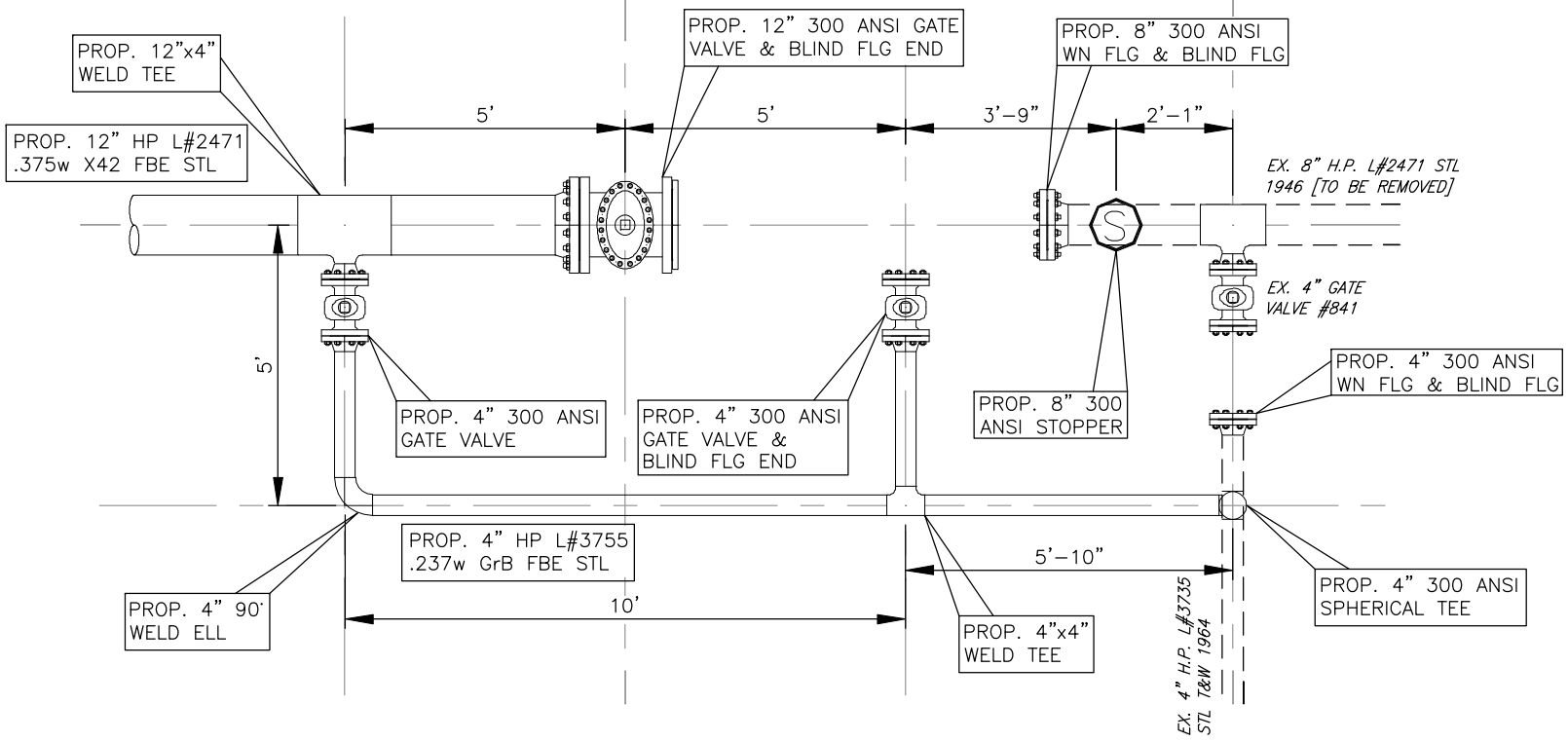
EP28 EX CULTURT INV: 1101.24 (18°E)	EP31 EX CULTURT INV: 1105.90 (12°W)	EP34 EX CULTURT INV: 1114.16 (12°W)
EP29 EX CULTURT INV: 1102.51 (18°W)	EP32 EX CULTURT INV: 1112.10 (3°SE)	EP35 EX CULTURT INV: 1115.58 (12°S)
EP30 EX CULTURT INV: 1112.10 (3°SE)	EP33 EX CULTURT INV: 1110.07 (12°E)	EP36 EX CULTURT INV: 1115.96 (12°N)

H.P.
N.S. FAIRCREST STREET
INSTALL 80' ~ 4" .237w GrB FBE STL
L#3735

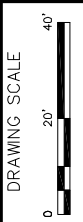
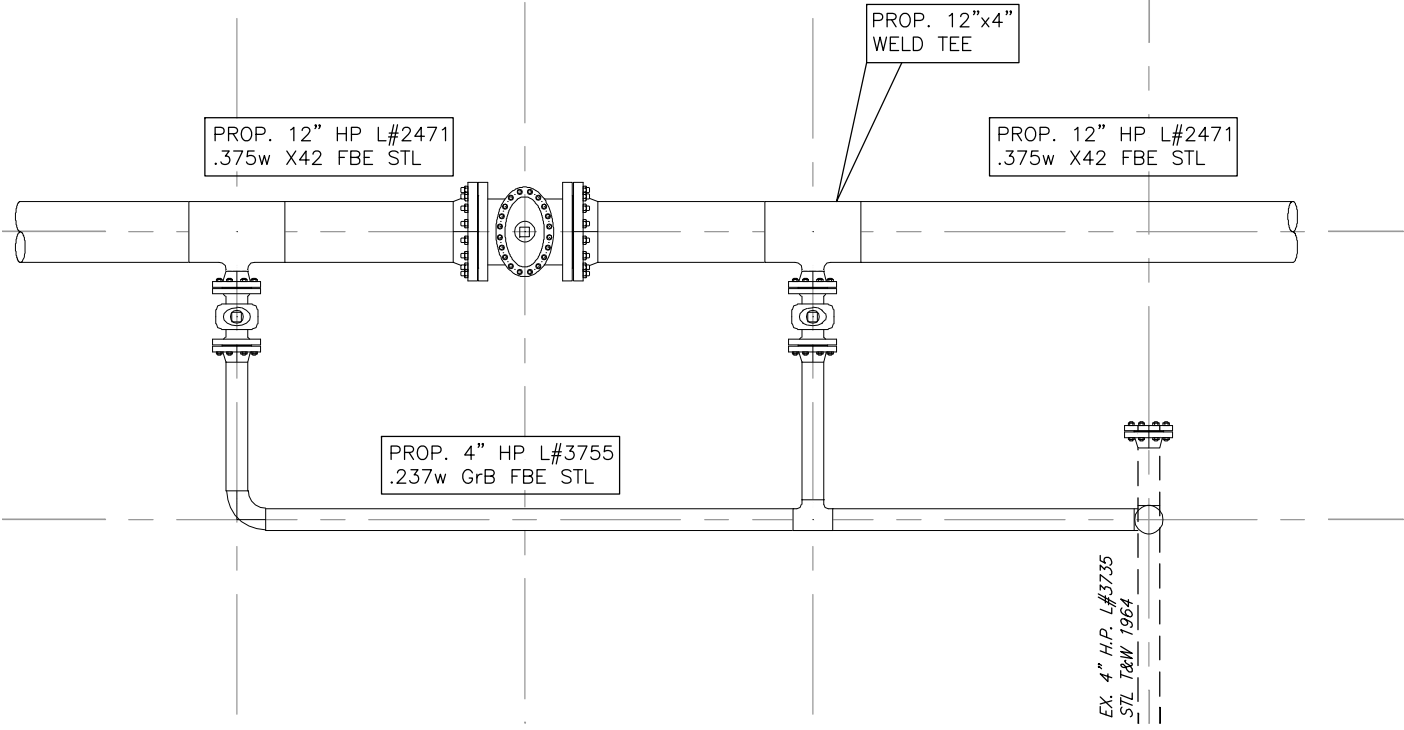
H.P.
N.S. FAIRCREST STREET
INSTALL 475' ~ 12" .375w X42 FBE STL
REMOVE 475' ~ 8" STL
L#2471

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

END SECTION II



BEGIN SECTION III



REV	DATE	BY	DESCRIPTION



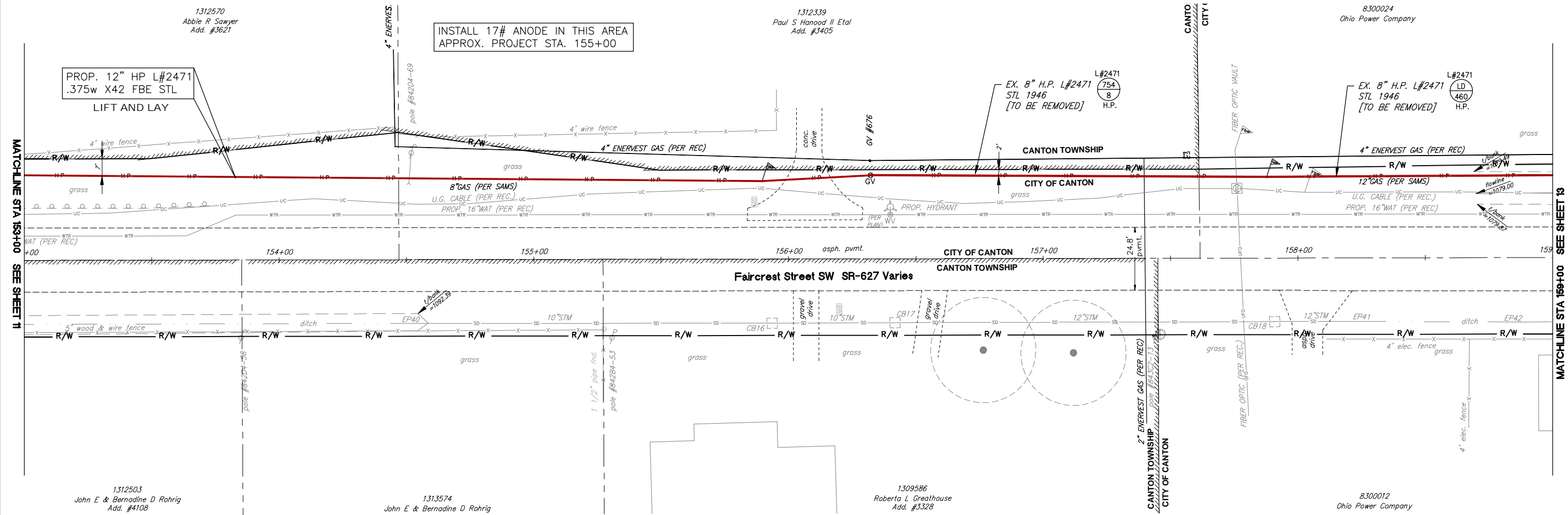
PIR 749
CITY OF Canton, STARK CO.

CLUSTER VALVE
DETAIL

DATE: UPDATE
PROJECT ID#: P400017115

10A
17

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



EXISTING SEWER STRUCTURE INFORMATION

CB16 EX STM INLET RIM: 1086.11 INV: 1083.34 (10'W) INV: 1083.20 (10'E)	CB18 EX STM INLET RIM: 1081.95 INV: 1079.72 (12'W) INV: 1079.68 (12'E)	EP41 EX CULVERT INV: 1079.36 (12'W)
CB17 EX STM INLET RIM: 1084.67 INV: 1082.49 (10'W) INV: 1082.15 (12'E)	EP40 EX CULVERT INV: 1090.65 (12'E)	EP42 EX CULVERT INV: 1078.28 (12'E)

MATCHLINE STA 159+00 SEE SHEET 13



NORTH

DRAWING SCALE
0 20' 40'

REV	DATE	BY	DESCRIPTION

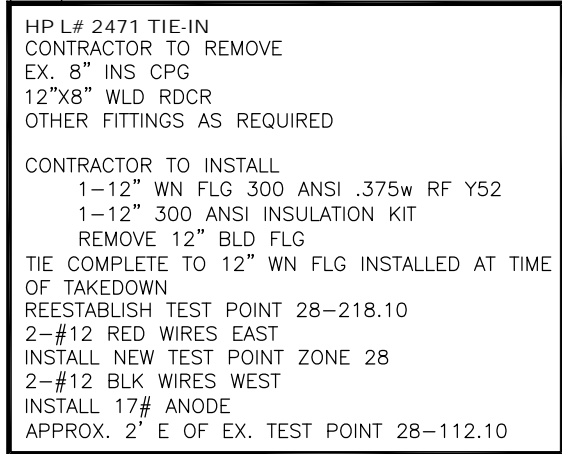


PIR 749
CITY OF Canton, STARK CO.

FAIRCRESS STREET
STA 153+00 TO STA 159+00

DATE: UPDATE
PROJECT ID#: P400017115

12
17

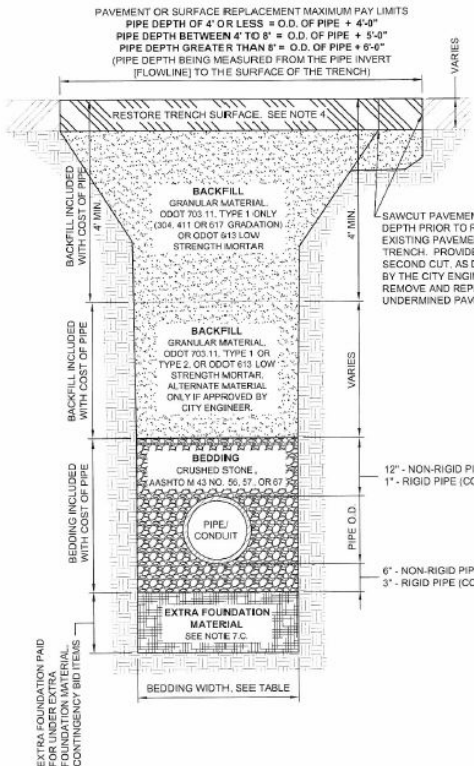


EXISTING SEWER STRUCTURE INFORMATION

CB19	EP45
EX STM INLET	EX CULVERT
RIM: 1075.35	INV: 1072.68 (15'W)
INV: 1073.21 (15'W)	
INV: 1073.19 (15'E)	EP46
	EX CULVERT
EP43	INV: 1067.81 (12'E)
EX CULVERT	
INV: 1077.51 (12'W)	EP47
	EX CULVERT
EP44	INV: 1066.01 (12'W)
EX CULVERT	
INV: 1076.37 (15'E)	

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

- NOTES:**
1. **BEDDING:**
MATERIALS SHALL BE AASHTO M 43 NO. 56, 57, OR 67 CRUSHED STONE. NO ALTERNATES UNLESS APPROVED BY THE CITY ENGINEER. PRIVATE UTILITIES MAY TYPICALLY PROVIDE ALTERNATIVE BEDDING MATERIAL AS APPROVED BY THE CITY ENGINEER.
- BEDDING WIDTH TABLE**
- | PIPE TYPE | MIN. WIDTH, TYP. | MAX. WIDTH, TYP. |
|--|---------------------------------|---------------------|
| NON-RIGID PIPE
(PVC, HDPE, CMP, ALUMINUM) | PIPE I.D. $\times 1.25 + 1'-0"$ | PIPE O.D. $+ 2'-0"$ |
| RIGID PIPE
(CONC., VIT. CLAY, DUCTILE IRON) | PIPE I.D. $\times 1.33$ | PIPE O.D. $+ 2'-0"$ |
- CENTER PIPE HORIZONTALLY WITHIN BEDDING AREA. ANY DEVIATION TO TYPICAL BEDDING REQUIREMENTS ARE SUBJECT TO THE DISCRETION OF THE CITY ENGINEER.
- THE BEDDING LIMITS SHOWN APPLY IN ALL CASES, EXCEPT FOR WHEN PIPE MANUFACTURER SPECIFIES A BEDDING WIDTH DIFFERENT FROM THAT SHOWN AND THE CITY ENGINEER PERMITS SAME.
2. **BACKFILL:**
BACKFILL WITHIN THE PUBLIC STREET R/W:
MATERIALS SHALL BE ODOT 703.11, TYPE 1 GRANULAR MATERIAL (304, 411, OR 617 AGGREGATE GRADATION) OR TYPE 2 GRANULAR MATERIAL, OR ODOT 613, LOW STRENGTH MORTAR. DEVIATIONS FROM THIS ARE AS FOLLOWS:
A) NO FOUNDRY SAND OR SLAG IS PERMITTED.
B) ALTERNATE GRANULAR MATERIAL SHALL BE PERMITTED ONLY WITH THE SUPPLEMENTAL APPROVAL OF THE CITY ENGINEER. TO PETITION FOR SUCH SUPPLEMENTAL APPROVAL, THE DEVELOPER/CONTRACTOR SHALL SUBMIT IN WRITING THE FOLLOWING:
* SOURCE OF THE ALTERNATE BACKFILL MATERIAL.
* GRADATION REPORT IN ACCORDANCE WITH AASHTO T 11 AND T 27.
* PROCTOR CURVE ANALYSIS IN ACCORDANCE WITH ASTM D 698.
* PROPOSED COMPACTION METHOD.
THE CITY ENGINEER RESERVES THE RIGHT TO REFUSE ANY ALTERNATE BACKFILL MATERIAL, REGARDLESS OF APPROVAL OF SIMILAR MATERIAL ON A PREVIOUS PROJECT.
THE CITY ENGINEER FURTHER RESERVES THE RIGHT TO REFUSE ANY ALTERNATE BACKFILL MATERIAL THE CITY FINDS NOT CONSISTENT WITH THE APPROVED SOURCE, GRADATION REPORT, PROCTOR REPORT, OR COMPACTION METHOD.
C) ODOT 703.11, TYPE 2, OR ALTERNATE MATERIALS ARE NOT PERMITTED WITHIN 4 FEET OF THE TRENCH SURFACE, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- BACKFILL OUTSIDE OF THE PUBLIC STREET R/W:**
FOLLOW MATERIAL AND METHODS FOR BACKFILL IN ACCORDANCE WITH ODOT 603.

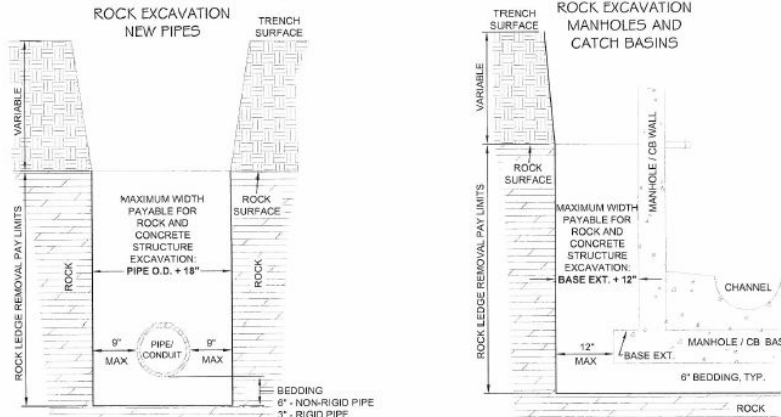


- NOTES: (CONTINUED)**
3. **COMPACTION:**
ALL BACKFILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12-INCHES LOOSE DEPTH AND COMPACTED BY APPROVED MECHANICAL MEANS. JETTING IS NOT APPROVED WITHOUT THE CITY ENGINEER'S APPROVAL. BUCKET COMPACTION MUST BE SUPPLEMENTED WITH VIBRATION OR TAMPING EQUIPMENT AS DIRECTED. ANY MODIFICATIONS TO THESE REQUIREMENTS MUST BE APPROVED BY THE CITY ENGINEER.
4. **SURFACE:**
TRENCHES SHALL BE TOPPED WITH 4" OF ODOT 304 LIMESTONE OR ASPHALT GRINDINGS WITHIN EXISTING STREET PAVEMENTS WHEN THE STREET WILL BE OPENED TO VEHICULAR TRAFFIC PRIOR TO PAVEMENT REPLACEMENT. THE TRENCH TOPPING MATERIAL SHALL BE ROLLED OR OTHERWISE COMPLETED FLUSH WITH THE ADJOINING PAVEMENT.
- STREET RESTORATION:
CONCRETE OR ASPHALT STREET PAVEMENT SHALL BE REPLACED IN ACCORDANCE WITH CITY STD. DWG. NO. 32, BRICK OR ASPHALT-BRICK COMPOSITE STREET PAVEMENT SHALL BE REPLACED IN ACCORDANCE WITH CITY STD. DWG. NO. 31.
- SIDEWALK CURB AND DRIVEWAY RESTORATION:
DRIVEWAY SURFACES SHALL BE REPLACED IN ACCORDANCE WITH THE CURRENT EDITION OF THE CITY OF CANTON SPECIFICATIONS FOR THE CONSTRUCTION, REPAIR, AND REPLACEMENT OF SIDEWALKS, CURBS, AND DRIVEWAYS, AND CITY STD. DWG. NOS. 28 THRU 33.
- LAWN RESTORATION:
LAWN SURFACES SHALL BE REPLACED WITH A MINIMUM OF 4" TOPSOIL, SEED, AND MULCH. SEED MIX SHALL CONFORM TO ADJOINING LAWN GRASS.
5. **CONSTRUCTION METHODS FOR BEDDING AND BACKFILL SHALL CONFORM WITH ODOT 603, UNLESS STATED OTHERWISE HEREIN.**
6. **ODOT REFERENCES ARE FROM THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. ANY DISCREPANCIES SHALL BE SUBJECT TO THE CITY ENGINEER'S DISCRETION.**

- NOTES: (CONTINUED)**
7. **PAY LIMITS FOR CITY PROJECTS**
- A) **BEDDING AND BACKFILL** IS INCLUDED WITH THE COST OF PIPE UNLESS DIRECTED TO BID OTHERWISE.
- B) **PAVEMENT RESTORATION** IS INCLUDED WITH THE COST OF PIPE UNLESS A SEPARATE PAY ITEM IS PROVIDED. WHEREBY THE WIDTH MEASUREMENT OVER THE TRENCH FOR PAVEMENT RESTORATION SHALL NOT EXCEED THE OUTSIDE DIAMETER (O.D.) OF PIPE PLUS A SET MEASUREMENT DEPENDENT ON DEPTH OF PIPE. AREA MEASUREMENTS AT MANHOLE AND CATCH BASIN STRUCTURES SHALL NOT EXCEED THE AREA OF THE BASE OF THE STRUCTURE + 3'-0" OFFSET AREA AROUND THE STRUCTURE'S BASE.
- C) **EXTRA FOUNDATION MATERIAL:** THE CONTRACTOR SHALL BE PAID FOR OVER-EXCAVATION AND BEDDING FOUNDATION MATERIAL UNDER THE CONTINGENCY BID ITEMS FOR EXTRA FOUNDATION MATERIAL.
- WHEN IN THE OPINION OF THE CITY ENGINEER, SOFT/UNSTABLE MATERIALS ARE ENCOUNTERED WHICH ARE UNSUITABLE FOR BEDDING FOUNDATION, SAID MATERIAL SHALL BE REMOVED BY THE CONTRACTOR TO THE DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL.
- FOR CITY PROJECTS, THE PAYABLE WIDTH OF THE EXTRA FOUNDATION MATERIAL SHALL NOT EXCEED THE LESSER OF THE APPLICABLE MINIMUM OR MAXIMUM TYPICAL BEDDING WIDTH, AS NOTED ON SHEET 1 OF STD. DWG. NO. 19.
- FOR PRIVATE WORK, ALL COSTS ARE AT THE OWNER'S EXPENSE.
- EXTRA FOUNDATION MATERIAL, OPTION A, B, C, & D, MAY BE USED IN ANY COMBINATION AS DIRECTED BY THE CITY ENGINEER:
- OPTION A: CRUSHED STONE, AASHTO M 43 NO. 1 AND/OR 2
OPTION B: CRUSHED STONE, AASHTO M 43 NO. 56, 57, OR 67
OPTION C: ODOT 703.11, TYPE 1 (304, 411 OR 617 GRADATION)
OPTION D: TENSAR GEOGRID T1100, OR APPROVED EQUAL

ITEM	QTY.	UNIT	DESCRIPTION
603	C.Y.	EXTRA FOUNDATION, OPTION A (#1, #2 STONE)	
603	C.Y.	EXTRA FOUNDATION, OPTION B (#56, 57, 67 STONE)	
603	C.Y.	EXTRA FOUNDATION, OPTION C (304, 411, 617)	
603	S.F.	EXTRA FOUNDATION, OPTION D (GEOGRID)	

- NOTES: (CONTINUED)**
8. **EXCAVATION OF ROCK OR BURIED/ABANDONED CONCRETE STRUCTURE REMOVAL**
- EXCAVATION FOR NEW MANHOLES AND CATCH BASINS, UNLESS OTHERWISE SPECIFIED OR SHOWN ON CONSTRUCTION PLANS, SHALL BE MEASURED BETWEEN VERTICAL PLANES ONE (1) FOOT BEYOND THE OUTSIDE EDGE OF THE FOUNDATION OF THE STRUCTURES ON ALL SIDES, AND PARALLEL THERETO, AND FROM THE SURFACE OF THE ROCK TO THE BOTTOM OF THE ROCK, OR THE NEAT LINES OF THE BOTTOM OF THE STRUCTURES PLUS THE DEPTH OF THE BASE MATERIAL. USE THE MEASUREMENT WHICH IS LESSER.
- EXCAVATION FOR NEW PIPES, UNLESS OTHERWISE SPECIFIED OR SHOWN ON CONSTRUCTION PLANS, SHALL BE MEASURED BETWEEN TRENCH WALLS (NOT TO EXCEED PIPE O.D. + 1'-0" AND FROM THE SURFACE OF THE ROCK TO THE BOTTOM OF THE ROCK, OR THE BOTTOM OF THE PIPE BEDDING. USE THE MEASUREMENT WHICH IS LESSER.
- EXCAVATION OF BURIED AND ABANDONED CONCRETE STRUCTURES SHALL BE MEASURED IN THE SAME MANNER AS ROCK REMOVAL.
- FOR CITY PROJECTS, THE CONTRACTOR SHALL BE PAID FOR ROCK REMOVAL AND CONCRETE STRUCTURE REMOVAL UNDER THE CONTINGENCY BID ITEMS FOR ROCK OR CONCRETE STRUCTURE REMOVAL. IF A CONTINGENCY BID ITEM IS NOT INCLUDED IN THE BID PROPOSAL, THE CONTRACTOR MAY SUBMIT A PROPOSAL, PRIOR TO WORK BEING STARTED, TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
- FOR PRIVATE WORK, ALL COSTS ARE AT THE OWNER'S EXPENSE.



ITEM	QTY.	UNIT	DESCRIPTION
603	C.Y.	ROCK REMOVAL	
603	C.Y.	CONCRETE STRUCTURE REMOVAL	

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: JAN 2012
APPROVED BY: CDB, RMB, SLH
DRAWING FILE NAME: ce_19.dwg

REVISIONS	DESCRIPTION	DATE	BY
1	REVISIONS TO NOTES 7 & 8	6/4/2012	CDB
2	REVISIONS TO NOTES 7	6/10/2013	CDB

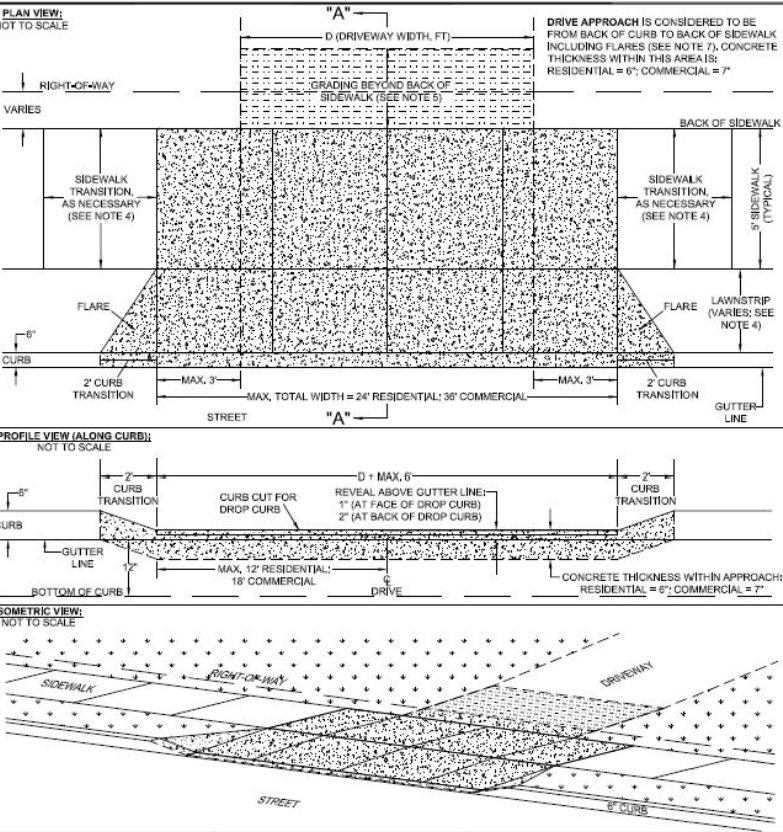
STANDARD DRAWING NO. 19
UTILITY TRENCH REQUIREMENTS
SHEET 1 OF 2

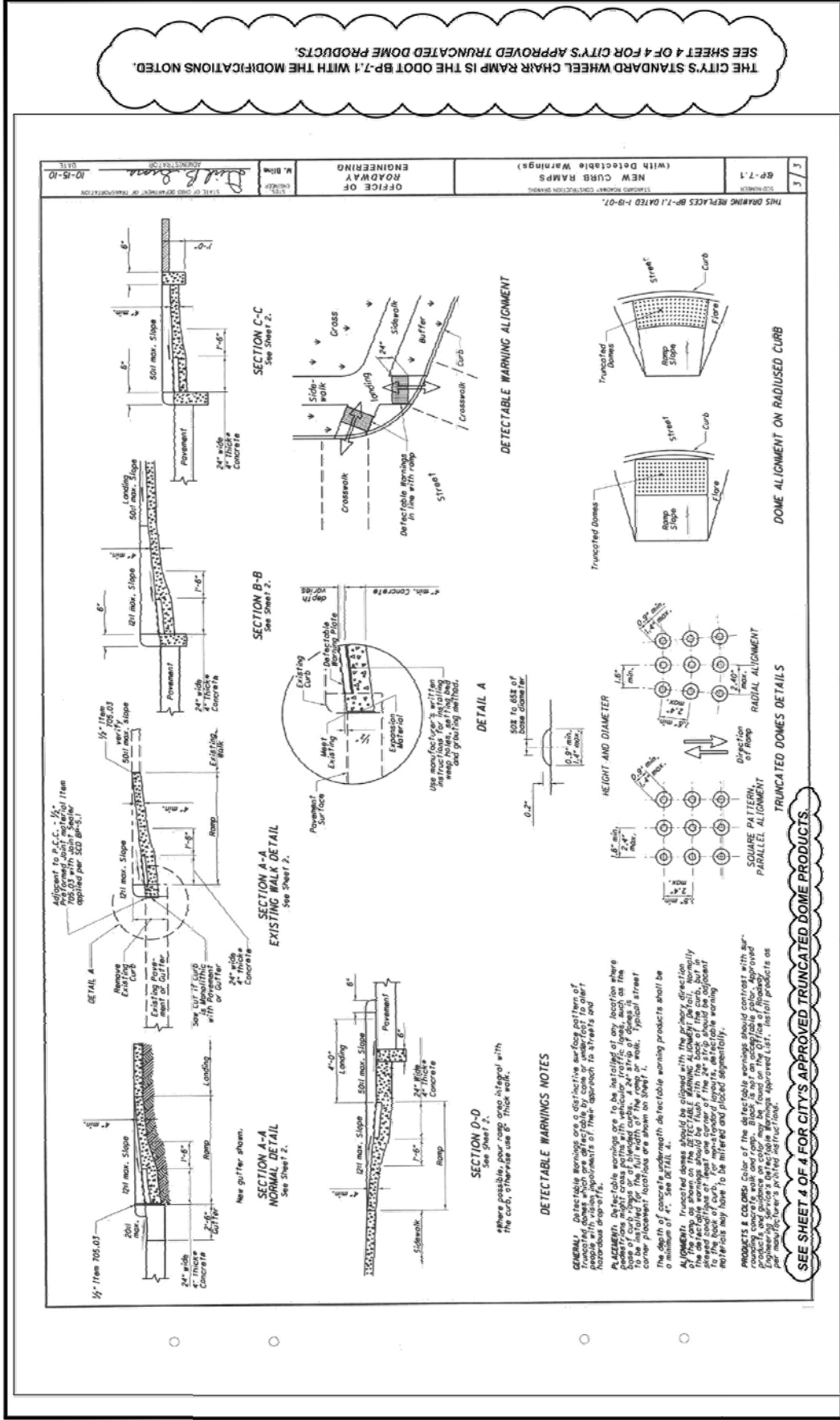
OFFICE OF THE CITY ENGINEER
CANTON, OHIO
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2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering


APPROVED DATE: JAN 2012
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1	REVISIONS TO NOTES 7 & 8	6/4/2012	CDB
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STANDARD DRAWING NO. 19
UTILITY TRENCH REQUIREMENTS
SHEET 2 OF 2







OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

STANDARD DRAWING NO. 33
WHEEL CHAIR RAMP
SHEET 3 OF 4

REVISIONS	
DESCRIPTION	DATE BY
REVISIONS	6/29/12 RMB

APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

DETECTABLE WARNING DOMES

BRICK PAVERS

TRUNCATED DOME BRICK IS REQUIRED FOR ALL STREETSCAPE AREAS IN THE CENTRAL BUSINESS DISTRICT AS DETERMINED BY CITY ENGINEER'S OFFICE.

Brick Pavers will meet ASTM C 902 Class SX, Type 1, or C 936, or C 1272 Type R. (SEE OPTION 3 and 4 FOR NON-BRICK)

Acceptable manufacturers and products are:

- Whitacre-Greer Finepaving Company, 1400 S. Mahoning Ave. Alliance, OH 44601, (800) VVS PAVIER ADA Paver, 4"x8"x2-1/4", Clear Red (Rustic) #30.
- The Baldin Brick Company, PO Box 20910, Canton, OH 44701 330-456-0031 City Line ADA Paver, Regimental Red 2-1/4"x4"x8" or 2-1/4"x8"x8" OR APPROVED EQUAL.

ADHESIVE MATS

REPLACEABLE TRUNCATED DOME MATS THAT SET ON CONCRETE RAMPS BY ADHESIVE WILL ONLY BE CONSIDERED IN THE EVENT AN EXISTING WHEEL CHAIR RAMP NEEDS DETECTABLE WARNING DOMES INSTALLED AND THE RAMP REQUIRES NO OTHER MODIFICATIONS. INSTALLATION IS SUBJECT TO THE CITY ENGINEER'S APPROVAL.

Acceptable manufacturers and products are:

- Submit product specification, color and sample for review/approval by the City Engineer

OR APPROVED EQUAL

DETECTABLE WARNING DOMES


PANELS, WET SET

REPLACEABLE TRUNCATED DOME PANELS SET IN WET CONCRETE MUST BE USED IN RAMPS OUTSIDE THE CENTRAL BUSINESS DISTRICT.

Acceptable manufacturers and products are:

- Armorscra Products Company, North Hollywood, CA 818-862-2800 Truncated Domes, Warning Panels (Wet Set Panels) 24"x24"x4" and 24"x48"x4" 6"x4" Radius Polymer Concrete, Red Brick color
- ADA Solutions, Inc., N. Billerica, MA 01862 Cast-in-Place Replaceable Tactile (Wet Set) 2'x3', 2'x4', 2'x5', and 2' W radius Glass and Carbon Composite, Brick Red color

OR APPROVED EQUAL



OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

STANDARD DRAWING NO. 33
WHEEL CHAIR RAMP
SHEET 4 OF 4

REVISIONS	
DESCRIPTION	DATE BY
REVISIONS	6/29/12 RMB

APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg



**CASE No. 15-636-GA-BNR
CONSTRUCTION NOTICE
PIR #749, FAIRCREST STREET, PERRY TOWNSHIP, CANTON TOWNSHIP & CANTON
CITY, STARK COUNTY, OHIO
12-INCH HIGH PRESSURE DISTRIBUTION LINE REPLACEMENT**

Attachment D

LIST OF THE PROPERTY OWNERS OF THE EXISTING RIGHT-OF-WAY

PIR 749	FAIRCREST ST, CANTON	L #2471									
Parcel #	Current Property Owner	Property Address	City	State	Zip	Mailing Address	City	State	Zip	R/W	Comments
4316307	Timken Company	4015 Whipple Ave SW	Canton	Oh	44706	4015 Whipple Ave SW	Canton	Oh	44706	OR28/220	regulator station tie-in
4301072	Roy & Diane Ward	4121 Faircrest St SW	Canton	Oh	44706	4121 Faircrest St SW	Canton	Oh	44706		opposite side of rd
4301095	Randy & Cindy Petree	4099 Faircrest St SW	Canton	Oh	44706	4099 Faircrest St SW	Canton	Oh	44706		opposite side of rd
4301283	Joseph II & Sharon Rippl	4089 Faircrest St SW	Canton	Oh	44706	4089 Faircrest St SW	Canton	Oh	44706		opposite side of rd
4300775	Patricia John	4075 Faircrest St SW	Canton	Oh	44706	4075 Faircrest ST SW	Canton	Oh	44706		opposite side of rd
4300112	Thomas & Constance Pifer	4065 Faircrest St SW	Canton	Oh	44706	4065 Faircrest St SW	Canton	Oh	44706		opposite side of rd
4316839	Gurney Chambers	4059 Faircrest St SW	Canton	Oh	44706	4080 Richmon St SW	Navarre	Oh	44662		opposite side of rd
4380281	Stark County Commissioners	Faircrest St SW	Canton	Oh	44706	110 Central Plz Ste 240	Canton	Oh	44702	OR329/130	
4315453	Larry & Jeana Wood	4148 Faircrest St SW	Canton	Oh	44706	4148 Faircrest St SW	Canton	Oh	44706		
4302056	Gayle Flake	4100 Faircrest St SW	Canton	Oh	44706	4100 Faircrest St SW	Canton	Oh	44706		
4302030	Stacie Burfield	3849 Shepler Church Ave SW	Canton	Oh	44706	3849 Shepler Church Ave SW	Canton	Oh	44706		
4316632	Bill Alge	3831 Shepler Church Ave SW	Canton	Oh	44706	215 Dallas Pl SE	Canton	Oh	44707		
1313329	Kristina Soehnlen Tr	3616 Shepler Church Ave SW	Canton	Oh	44706	6145 Alabama Ave SW	Navarre	Oh	44662	DB1467/56	
4316428	Elaine Irwin	4020 Faircrest St SW	Canton	Oh	44706	4020 Faircrest St SW	Canton	Oh	44706		opposite side of rd
1302190	Jason Aquino	4002 Faircrest St SW	Canton	Oh	44706	4002 Faircrest St SW	Canton	Oh	44706		opposite side of rd
1380227	Bd of Trs of Canton Twp	Faircrest St SW	Canton	Oh	44706	4711 Central Ave SE	Canton	Oh	44707		opposite side of rd
1312570	Abbie Sawyer	3621 Faircrest St SW	Canton	Oh	44706	3621 Faircrest St SW	Canton	Oh	44706		
1312339	Paul Hanood II	3405 Faircrest St SW	Canton	Oh	44706	3405 Faircrest St SW	Canton	Oh	44706		
8300024	Ohio Power	Shepler Church Ave SW	Canton	Oh	44706	700 Morrison Rd	Gahanna	Oh	43230		
8300023	Ohio Power	38th St SW	Canton	Oh	44706	700 Morrison Rd	Gahanna	Oh	43230		
8380001	Eleventh St Church of God	3151 Faircrest St SW	Canton	Oh	44706	3026 11th St SW	Canton	Oh	44710		
1312503	John & Bernadine Rohrig	4108 Sherman Church Ave SW	Canton	Oh	44706	4108 Sherman Church Ave SW	Canton	Oh	44706		opposite side of rd
1313574	John & Bernadine Rohrig	Faircrest St SW	Canton	Oh	44706	4108 Sherman Church Ave SW	Canton	Oh	44706		opposite side of rd
1309586	Roberta Greathouse	3328 Faircrest St SW	Canton	Oh	44706	3328 Faircrest St SW	Canton	Oh	44706		opposite side of rd
8300012	Ohio Power	Faircrest St SW	Canton	Oh	44706	700 Morrison Rd	Gahanna	Oh	43230		opposite side of rd
8300023	Ohio Power	Faircrest St SW	Canton	Oh	44706	700 Morrison Rd	Gahanna	Oh	43230		opposite side of rd
1312572	Steve Aukerman & Kathryn Upole	3110 Faircrest St SW	Canton	Oh	44706	3110 Faircrest St SW	Canton	Oh	44706		opposite side of rd

CASE No. 15-636-GA-BNR
CONSTRUCTION NOTICE
PIR #749, FAIRCREST STREET, PERRY TOWNSHIP, CANTON TOWNSHIP & CANTON
CITY, STARK COUNTY, OHIO
12-INCH HIGH PRESSURE DISTRIBUTION LINE REPLACEMENT

Attachment E

LETTER TO PROPERTY OWNERS



March 26, 2015

Timken Company
4015 Whipple Ave SW
Canton, Oh 44706

Subject: Notification of Natural Gas Line Replacement in Dominion (DEO) Right-of-Way or in the Public Right-of-Way

Dear Property Owner:

Dominion East Ohio (DEO) is the owner of an easement/permit on or near your property, Parcel(s)4316307, pursuant to and within which it operates and maintains a natural gas pipeline. Although the existing pipeline is safe, DEO must replace it to comply with recently enacted U.S. Department of Transportation's 192 Pipeline Integrity Regulations.

Please be assured that during this project, all of DEO's Standard Safety and Operating Procedures and all applicable federal, state and local laws, regulations and ordinances will be fully adhered to.

Right-of-Way Project Timeline

Before pipeline replacement begins, DEO or its contractor must clear the portion of its easement along its pipeline. This right-of-way, granted by the recorded easement or permit, provides the area necessary for the large equipment and materials used in the laying, maintaining and operating of the pipeline. DEO anticipates the right-of-way site preparation, i.e. tree, brush and stump removal, to occur during the first week in May DEO personnel or its contractor has begun preliminary work on this project. Access to DEO's pipeline may be required for the following reasons:

1. Surveying and staking the pipeline route
2. Environmental assessment
3. Archeological digging and exploration
4. Right of way site preparation
5. Any other activity as required by the project

Private Access to your Property

Private access to your property will be maintained open at all times where feasible. Due to construction activity, some access may be temporarily closed but will be reopened as quickly as possible. In that case, you will be notified in advance. Any public road closures will be communicated with the local police, fire and emergency agencies.

If you have tenants occupying this parcel, please advise them of this pipeline replacement project.

Should you have any questions concerning this pipeline replacement project, please contact Dominion East Ohio's Land Services Department at 330-664-2626.

Sincerely,

DOMINION EAST OHIO
Land Services Department

Enclosures

CurrDate

Mail Label Line 1 OR OCCUPANT **ACCOUNT NO:**

Mail Label Line 2 +00000000000000

Mail Label Line 3 **SERVICE ADDRESS:**

Mail Label Line 4 *Addr Service Street*

Mail Label Line 5 *AddrServ.CityState*

Mail Label Line 6

Subject: Natural Gas Main Line Replacement Planned - Commercial

Ldc Co Name plans to replace one or more gas main lines in your neighborhood. Work is scheduled

UVar1.

We will perform the main line work in the public Right-of-Way, which includes the tree lawn area. This may require removal of obstructions located in the Right-of-Way.

Our on-site company representative will attempt to meet personally with business personnel who work at the service address. We do so because we may need to interrupt gas service for a short time during construction and want to minimize any inconvenience.

We also may need to perform additional work at your business, including:

- Inspecting and testing any interior service lines
- Verifying the reading on an inside meter
- Replacing the service line, which delivers natural gas from our main line to the gas meter
- Relocating the curb box valve using the least invasive method possible if the existing service line or curb box valve has been hindered by tree roots
- Changing the gas meter
- Installing automated meter reading (AMR) equipment. Once we completely install AMR equipment in an area, we will read meters every month. This will reduce our need for company personnel to enter your property, lessen the number of estimated bills and improve the calculation of budget billing amounts. For customers who must provide access to meters, there still will be the need for us to inspect the gas meter and interior service lines to meet Federal Safety requirements at least every 12 months.

If service is interrupted, we will relight your appliances once our work is complete. We must have safe and easy access to the gas meter and gas appliances. If a problem is discovered with a gas appliance or any of the house lines, which run from the gas meter to the natural gas appliances, it is the responsibility of the property owner to have the repairs made by a qualified plumber or contractor.

If an adult 18 years of age or older is not present to provide inside access when the work is complete, we will leave a notice on your door asking you to call us. If you need to call us after 7 p.m. on a weekday or anytime on the weekend, please ignore our "closed" message and remain on the line so that our dispatch center can schedule an appointment to restore your gas service. Once scheduled, we will come back to turn on your gas and relight your appliances. **For safety reasons, it is important that Dominion representatives perform this work.** We cannot be responsible for potential damage to persons or property caused by anyone other than Dominion personnel restoring gas service. Please wait for our representative to do it.

Once the work is complete, with the exception of winter construction projects, restoration will begin as soon as weather permits. Final restoration of winter construction projects will not begin until after April 1. Typical yard restoration is limited to grading and seeding.

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Safety is Dominion's highest priority. Be assured we will take every possible step to ensure the security of the area, your property, yourself and your family, and our employees. Any employee or contractor that will need to access inside gas equipment will carry a Dominion photo ID.

Our intent is to cause the least amount of inconvenience to you during construction. There will be informational signs posted. General information about main line replacement efforts is available on our Web site at www.dom.com, keyword: **Pipeline Replacement**, and by phone at 1-800-544-5768. If you have specific questions, you are always free to ask our employees or contractors in the area. You may also call our Ohio Construction Support Department at the phone number above Monday through Friday, from 7 a.m. to 7 p.m. or send an e-mail to OhioConstructionSupport@dom.com.

Thank you for your patience and understanding as we work to improve our lines to provide you the safest and most reliable gas service possible.

Ldc Co Name

FREQUENTLY ASKED QUESTIONS

1. Is my existing pipeline safe?

Yes, the existing main line is safe. These enhancements are being conducted to meet all U.S. Department of Transportation's 192 Pipeline Integrity Regulations and requirements as part of a 25-year program.

2. When will the work start and how long will it take?

Ldc Co Name will schedule Pipeline Infrastructure Replacement program work in various neighborhoods throughout our service territory. We will notify you in advance of when we anticipate preliminary work to start on your property. Preliminary work may consist of surveying and staking the pipeline route and any other activity as required by the project. This letter serves as your notification for construction. Every attempt will be made to coordinate the work affecting your business, either through personal visit or a phone call.

3. Will there be an interruption in gas service?

If we are working on your gas line, we will need to turn off your service for a short period of time. Once work is complete, we will test your gas lines, restore service and relight your appliances if there is an adult 18 years of age or older present. If there is not an adult present, we will leave a door tag asking you to call us to have your service restored when an adult is present. We must have access to the gas meter and all gas appliances.

4. Do I need to be present during construction?

No, you do not need to be home when we are working on your street. However, if there is active gas service at the location and it is interrupted due to construction, an adult 18 years of age or older will need

to give us inside access to the business so that we can restore service and relight the appliances. We may also need access if we need to perform additional work, such as an interior service line inspection, meter change or installing automated meter reading equipment.

5. Will you need access to the gas meter?

We may need access to the gas meter and a three-foot area cleared around the meter in order to do our work. If an on-site inspector schedules an appointment with you, please take whatever steps are necessary to remove any obstructions so that we can reach the meter.

6. Will you maintain sidewalk and traffic access?

Yes. Our goal is to maintain sidewalk and an open lane of traffic at all times, including evenings and weekends. There may be brief periods of time when sidewalk or street access is blocked due to actual construction.

7. Will street parking be allowed?

Temporary parking restrictions may be necessary in some areas and signs will be posted where parking is banned. Public safety and traffic flow are top concerns.

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8. Will you need to dig on my property - and if so, who's going to fix it?

Because natural gas pipelines are buried, some digging will be necessary in the public Right-of-Way, which includes the tree lawn area. If your service line, which is an underground pipe that runs from the street to the gas meter, needs to be replaced, we may need to dig on your property near the meter. Before we would do any work on private property, we would personally contact you or the landowner. Once work is complete, the restoration of yards, sidewalks and pavement will be done as quickly as possible. Typical yard restoration is limited to grading and seeding.

9. What about trees?

Dominion will do whatever it can to employ construction techniques that are intended to protect trees and not disturb their health during the project. If damage does occur, Dominion will remove the tree professionally to maintain a safe environment for residents and the general public. For the integrity of the new piping, trees cannot be replaced. Any sidewalk that is damaged or removed during construction will be replaced according to the city specifications and standards.

10. What safety standards will be enforced on this project?

All Dominion Standard Safety and Operating Procedures along with all laws, regulations and ordinances that apply will be enforced on this project.

11. Will the location of the underground utility lines be marked prior to the start of

construction? Yes. All *Ldc Co Name* underground utilities will be marked prior to the start of construction. We will also contact the Ohio Utilities Protection Service (OUPS) and they will notify other member utilities to mark the location of their underground pipes or wires. Please do not remove the flags and markers from the ground. If you have a pet containment system and/or a sprinkler system, it is your responsibility to mark the location of these systems.

12. Is there any additional cost to me for this work?

As part of the program's cost recovery approved by the Public Utilities Commission of Ohio (PUCO), an additional rider is added to your monthly bills, which began in November 2009. This rider may increase annually as the program progresses, upon review by the PUCO. Most customers will not experience any other additional costs associated with this work. There are two possible exceptions:

- *Ldc Co Name* will cover the cost of necessary repairs or replacements to the service line (the piping that connects the main line with the gas meter), **unless** the line must be repaired or replaced as a result of damage caused by the property owner, the customer or another party.

- For faulty gas lines running from the meter to the gas equipment, as well as faulty appliances or equipment, it is the responsibility of the property owner to hire a qualified contractor to address the issue(s). For your safety reasons, we will not turn the gas service back on until the issue(s) are corrected. Any faulty gas appliances will be red-tagged and it will be the customer's responsibility to have the appliance repaired.

13. Will you need much space to work?

Large equipment, such as backhoes and shoring equipment, will be used during construction and is necessary to replace and install any pipeline. This space allows Dominion the width necessary to lay, maintain and operate the pipelines in a safe construction zone.

14. Should I notify you if I have added any additional appliances that significantly increase my natural gas usage?

Yes, please contact us at 1-800-544-5768 or e-mail us at OhioConstructionSupport@dom.com if you've added any appliances that significantly increase your natural gas usage.

15. How can I get answers to my specific questions?

You can ask the *Ldc Co Name* representative who will be in your neighborhood, call our Construction Support team at 1-800-544-5768 or e-mail us at OhioConstructionSupport@dom.com.

CASE NO. 15-636-GA-BNR
CONSTRUCTION NOTICE
PIR #749, FAIRCREST STREET, PERRY TOWNSHIP, CANTON TOWNSHIP & CANTON
CITY, STARK COUNTY, OHIO
12-INCH HIGH PRESSURE DISTRIBUTION LINE REPLACEMENT

Attachment F

LIST OF OFFICIALS SERVED A COPY OF THE CONSTRUCTION NOTICE

The Honorable William J. Healy II
Mayor, City of Canton
P.O. Box 24218
Canton, OH 44702

Donald Bendetta,
Stark County Utility Coordinator
5165 Southway St SW
Canton, Ohio 44706

Dan Moeglin, P.E., S.I.
Canton City Engineering Department
2436, 30th St. N.E.
Canton Ohio 44705

John Masalko, Road Supt.
Perry Township Road Department
1500 Jackson Ave SW
Massillon, Ohio 44646

Stark County Commissioners
c/o Brant A. Luther
County Administrator
110 Central Plaza South, Suite 240
Canton , OH 44702

Lee Laubacher
Perry Township Board President
1500 Jackson Ave SW
Massillon, Ohio 44646

Stark County Regional Planning Authority
201 3rd Street, Suite 201
Canton, Ohio 44702-1211

Johnathan Smith, Road Supt.
Canton Township Road Department.
4711 Central Ave SE
Canton, Ohio 44707

Keith A Bennett, P.E., P.S.
Stark County Engineer
5165 Southway St SW
Canton, Ohio 44706

Bill Smith, Board of Trustee President
Canton Township Board of Trustees Office.
4711 Central Ave SE
Canton, Ohio 44707

**CASE NO. 15-636-GA-BNR
CONSTRUCTION NOTICE
PIR #749, FAIRCREST STREET, PERRY TOWNSHIP, CANTON TOWNSHIP & CANTON
CITY, STARK COUNTY, OHIO
12-INCH HIGH PRESSURE DISTRIBUTION LINE REPLACEMENT**

Attachment G

SAMPLE TRANSMITTAL LETTER TO PUBLIC OFFICIALS



COLUMBUS | Cleveland
CINCINNATI-DAYTON
MARIETTA

BRICKER & ECKLER LLP
100 South Third Street
Columbus, OH 43215-4291
MAIN: 614.227.2300
FAX: 614.227.2390

www.bricker.com
info@bricker.com

Sally W. Bloomfield
614.227.2368
sbloomfield@bricker.com

April 27, 2015

ADDRESS
ADDRESS
ADDRESS

**Re: Construction Notice for PIR #749, Faircrest Street Project,
Stark County, Ohio, Perry Township, Canton, Canton Township
12-Inch High Pressure Distribution Line Replacement¹,
OPSB Case No. 15-636-GA-BNR**

Dear

Dominion East Ohio Gas is planning to replace approximately 4,140 feet of existing 4, 6, and 10-inch high pressure bare steel with 20 feet of 4-inch fusion bond epoxy steel .273W by grade B, 80 feet of 6-inch fusion bond epoxy steel .280W by grade B and 4,040 feet of 12-inch fusion bond epoxy steel .375W by grade X-42.

This construction project will run along the south side of Faircrest Street SW in Perry Township and will run on the north side of Faircrest Street SW in Canton and Canton Township, between Shepler Church Avenue SW and Interstate 77.

In accordance with the provisions of Ohio Administrative Code (OAC) Rule 4906-1-01, Appendix B, this project falls within the Board's requirements for a Construction Notice. Therefore, in compliance with Ohio Administrative Code Rule 4906-11-02 of the Board's rules and regulations, we have prepared and filed the attached Construction Notice with the Board for its review and approval. These materials contain a more detailed description of the replacement pipeline project.

If you have any questions or require additional information, please call Dave Hollendonner at (330) 664-2677.

Sincerely,

Sally W. Bloomfield

Enclosure

¹ A portion of this replacement includes 100 feet of replacement of non-Ohio Power Siting Board jurisdictional 4-inch & 6-inch pipeline.

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/27/2015 11:52:02 AM

in

Case No(s). 15-0636-GA-BNR

Summary: Text Construction Notice of Dominion East Ohio for PIR #749 Faircrest Street, Perry and Canton Townships, City of Canton, Stark County Ohio electronically filed by Teresa Orahod on behalf of Sally Bloomfield