



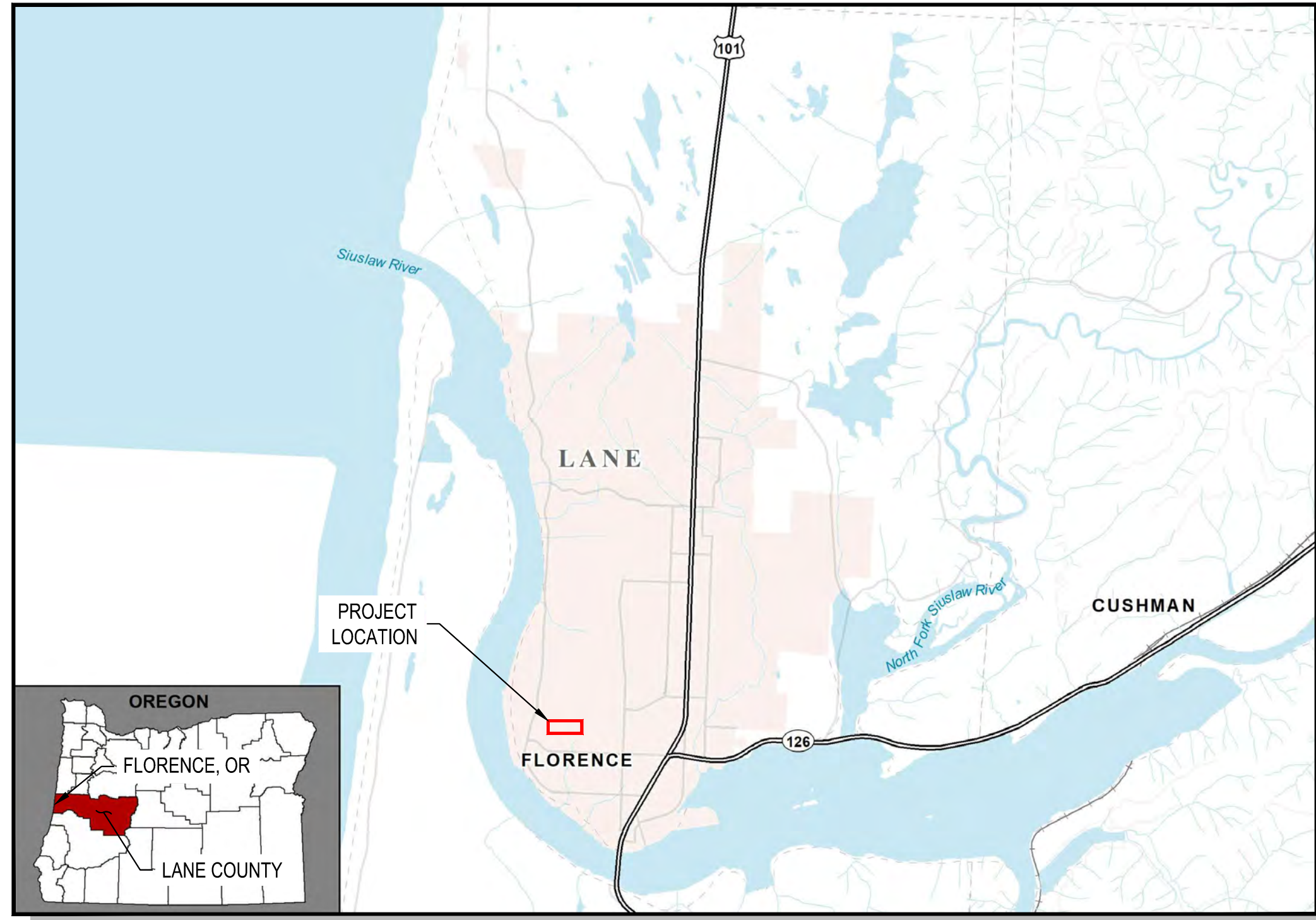
CITY OF FLORENCE

NW 9TH ST. NEIGHBORHOOD IMPROVEMENTS

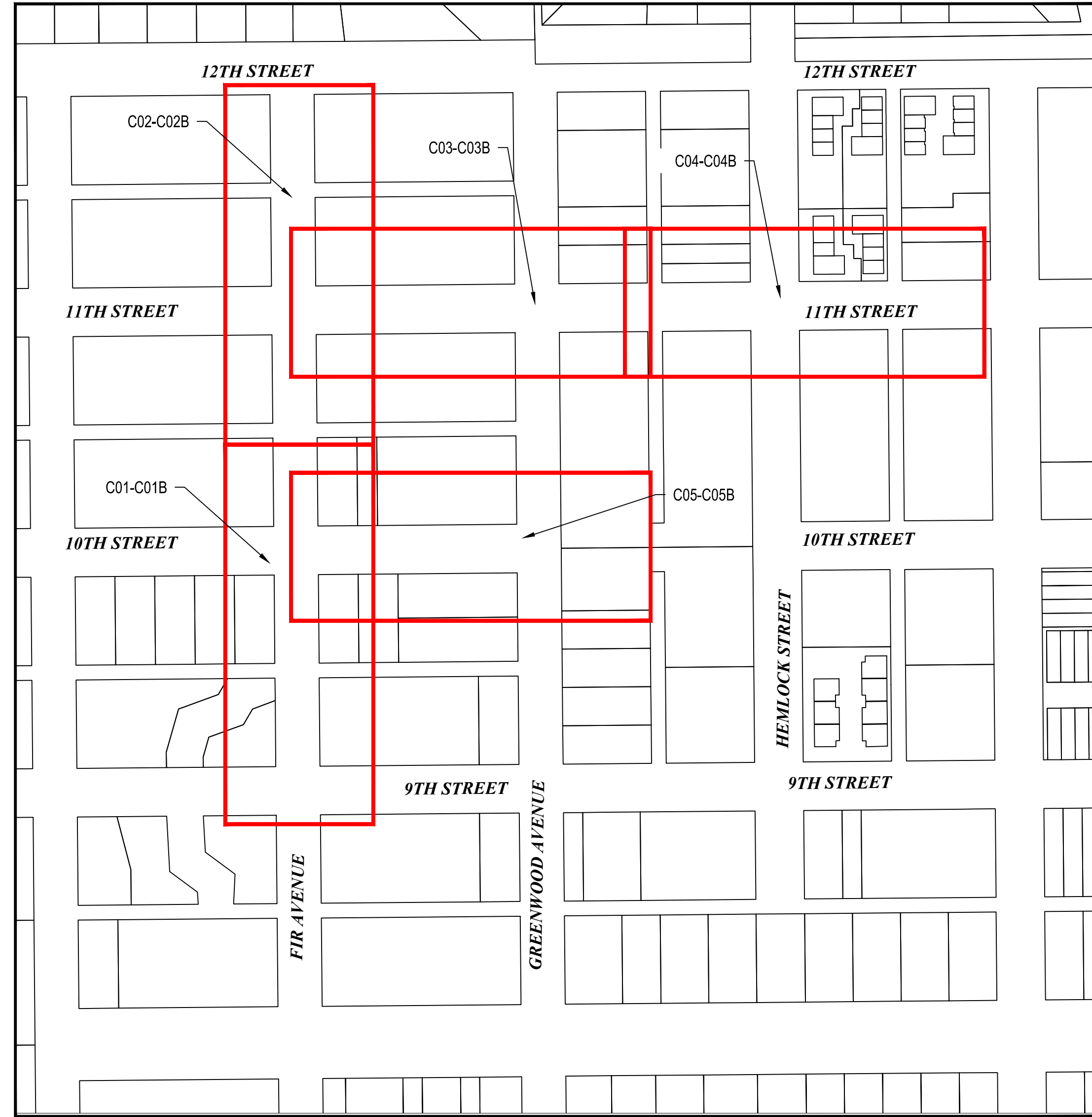
Exhibit D(1)

PRELIMINARY REVIEW
DRAWINGS

PROJECT VICINITY MAP



PROJECT LOCATION MAP



DRAWING INDEX

Sheet Number	Sheet Title	Dwg No
1	Cover	COV
2	General - Sheet 1 of 2	G01
3	General - Sheet 2 of 2	G02
4	Site Preparation and Survey Control - Sheet 1 of 5	C01
5	General Construction - Sheet 1 of 5	C01A
6	Utility Plan - Sheet 1 of 5	C01B
7	Site Preparation and Survey Control - Sheet 2 of 5	C02
8	General Construction - Sheet 2 of 5	C02A
9	Utility Plan - Sheet 2 of 5	C02B
10	Site Preparation and Survey Control - Sheet 3 of 5	C03
11	General Construction - Sheet 3 of 5	C03A
12	Utility Plan - Sheet 3 of 5	C03B
13	Site Preparation and Survey Control - Sheet 4 of 5	C04
14	General Construction - Sheet 4 of 5	C04A
15	Utility Plan - Sheet 4 of 5	C04B
16	Site Preparation and Survey Control - Sheet 5 of 5	C05
17	General Construction - Sheet 5 of 5	C05A
18	Utility Plan - Sheet 5 of 5	C05B
19	Details - Sheet 1 of 5	D01
20	Details - Sheet 2 of 5	D02
21	Details - Sheet 3 of 5	D03
22	Details - Sheet 4 of 5	D04
23	Proposed Road Sections	S01

CONTACT PERSONNEL

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ANY UPDATED / ADDITIONAL CONTACTS?

CALL 48 HOURS BEFORE YOU DIG
ONE CALL 1-800-332-2344

ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503-232-1978



CONSTRUCTION NOTES

General Notes

- CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, APPLICABLE AGENCY REQUIREMENTS AND OTHER WORK AS NECESSARY TO PROVIDE A COMPLETE PROJECT.
- THE WORK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ODOT'S STANDARD SPECIFICATIONS, THE CITY'S STANDARD SPECIFICATIONS, ORS CHAPTER 333, AND AWWA AND APWA STANDARDS.
- IN THE EVENT THAT STANDARD CONSTRUCTION NOTES ARE FOUND TO BE IN CONFLICT WITH PROJECT SPECIFIC NOTES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. WHERE CONFLICTS ARISE, THE CONTRACTOR SHALL ASSUME THAT THE MORE RESTRICTIVE CONDITION SHALL APPLY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE START OF WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE PLANS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE PROJECT ENGINEER FOR CLARIFICATION OR CORRECTION.
- ANY INSPECTION BY THE CITY, COUNTY, STATE, FEDERAL AGENCY OR PROJECT ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH APPLICABLE CODES, REGULATIONS, CITY STANDARDS AND PROJECT CONTRACT DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY REQUIRED PERMITS IN ADDITION TO PERMITS PROVIDED BY OWNER. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE UTILITY PERMIT(S) FROM THE CITY, STATE, OR COUNTY WITH JURISDICTION FOR THE STREETS OR ROADS WITHIN THE PROJECT WORK AREA PRIOR TO CONSTRUCTION OF SYSTEM IMPROVEMENTS. A CITY BUSINESS PERMIT IS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED TO PERFORM THE WORK. CONTRACTORS SHALL ABIDE BY ALL OSHA AND OTHER APPLICABLE SAFETY REGULATIONS.
- CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO ALL AFFECTED PROPERTIES.
- THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 72 HOURS NOTICE IN ADVANCE OF START OF WORK AND CONNECTION TO EXISTING SYSTEM AND PRIOR TO SHUTTING DOWN ANY EXISTING WATER MAIN OR SERVICE.
- CONTRACTOR SHALL CALL 1-800-332-2344 FOR UTILITY LOCATES BEFORE CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY THE APPROPRIATE UTILITY LOCATING PROFESSIONALS, PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE UTILITY COMPANY WHEN A CONFLICT OCCURS.
- THE CONTRACTOR SHALL MAKE PROVISIONS TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED UTILITIES USING MATERIAL AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AGREEMENT WITH THE UTILITY PROVIDER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING AND MAINTAINING ALL ALIGNMENT STAKES, SLOPE STAKES, AND GRADES NECESSARY FOR THE CONSTRUCTION OF THE WATER MAINS, SANITARY SEWER LINES, SIDE SEWERS, TRENCHING, UTILITIES, STORM DRAINAGE, ROADBED, SURFACING, PAVING, SIGNING, ILLUMINATION, SIGNALS, AND STRIPING IF SUCH CONSTRUCTION IS INCLUDED IN THIS PROJECT. EXCEPT FOR THE SURVEY CONTROL DATA FURNISHED BY THE OWNER, CALCULATIONS, SURVEYING, AND MEASURING REQUIRED FOR SETTING AND MAINTAINING THE NECESSARY LINES AND GRADES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL PRESERVE ALL EXISTING SURVEY MONUMENTS IN AND AROUND THE WORK AREA INCLUDING MARKERS FOR FRONT PROPERTY CORNERS. IF ANY SURVEY MONUMENT OR MARKERS WILL BE DISTURBED BY CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HIRE A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO CONDUCT A PRE-CONSTRUCTION SURVEY AND TO REPLACE THE AFFECTED MONUMENTS AND MARKERS IN ACCORDANCE WITH STATE LAWS.
- THE CONTRACTOR SHALL CLEAN UP ALL AREAS AFFECTED BY CONSTRUCTION ACTIVITY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY IF REQUIRED. THIS INCLUDES REMOVAL OF ALL DUST, MUD, ROCKS, ASPHALT DEBRIS, AND REFUSE FROM STREETS, SIDEWALKS, DRIVEWAYS, AND ANY OTHER AREAS AFFECTED BY THE CONSTRUCTION ACTIVITIES. THE OWNER'S REPRESENTATIVE CAN SHUTDOWN THE PROJECT IF CLEAN UP IS NOT PERFORMED TO THEIR SATISFACTION. WORK WILL RESUME ONCE THE PROJECT SITE IS CLEAN AND ORDERLY AS DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE EROSION CONTROL REQUIREMENTS.
- PROTECTION OF THE ENVIRONMENT:** NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL.
- CONSTRUCTION VEHICLES SHALL PARK ON THE CONSTRUCTION SITE, OR AT A LOCATION INDICATED ON THE APPROVED PLAN. HOURS OF CONSTRUCTION SHALL BE 7:00 AM TO 6:00 PM, MONDAY THROUGH FRIDAY UNLESS SPECIFICALLY NOTED ELSEWHERE. WORK ON SATURDAY OR SUNDAY IS NOT PERMITTED FROM MAY 15TH - OCTOBER 15TH. WORK ON HOLIDAYS IS NOT PERMITTED. EXCEPTIONS TO THESE GUIDELINES REQUIRE APPROVAL FROM ODOT AND THE CITY. CONSTRUCTION ACTIVITIES INCLUDE ALL FIELD MAINTENANCE OF EQUIPMENT, REFUELING, PICKUP AND DELIVERY OF EQUIPMENT AS WELL AS ACTUAL CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT OR REPLACE ANY EXISTING ABOVE GRADE STRUCTURES (INCLUDING THOSE NOT SHOWN ON PLANS) SUCH AS MAILBOXES, SIGNS, FENCES, OR RETAINING WALLS.
- CONTRACTOR SHALL RESTORE ALL ROADS, DRIVEWAYS, AND OTHER TRENCHED OR DISTURBED AREAS TO THEIR EXISTING CONDITION OR BETTER AND PER CITY STANDARDS AND THESE PLANS AND SPECIFICATIONS.
- OPEN TRENCHES SHALL BE LIMITED TO A MAXIMUM OF 100 FEET WITHIN STREET RIGHT-OF-WAYS UNLESS LIMITED TO A LESSER AMOUNT BY PERMIT. ALL TRENCHES SHALL BE BACKFILLED AND, IF IN THE PAVED ROADWAY, TEMPORARILY PAVED WITH HOT OR COLD AC MIX EVERY DAY. NO TRENCH SHALL REMAIN OPEN OVERNIGHT. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND WARNING SIGNS IN ACCORDANCE WITH THE MUTCD, CITY, AND ODOT REQUIREMENTS. TEMPORARY PAVEMENT SHALL BE MAINTAINED UNTIL WORK IS COMPLETED.
- CONTRACTOR SHALL RESTORE TRAFFIC LOOPS DAMAGED OR REMOVED DURING CONSTRUCTION AND SHALL RESTRIPE PARKING AND TRAFFIC LINES AND MARKINGS DAMAGED OR REMOVED DURING CONSTRUCTION FOLLOWING PAVEMENT RESTORATION. PAINT SHALL BE TRAFFIC RATED, 2 COAT MINIMUM APPLIED AND MATCH EXISTING COLOR. PAYMENT SHALL BE INCIDENTAL TO SURFACE RESTORATION BID ITEMS.
- ANY ALTERATION OR VARIANCE FROM THESE PLANS, EXCEPT MINOR FIELD ADJUSTMENTS NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL FIRST BE SUBMITTED TO THE OWNER IN WRITING FOR APPROVAL PRIOR TO IMPLEMENTATION. ANY ALTERATION OR VARIANCE FROM THESE PLANS SHALL BE DOCUMENTED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE PROJECT ENGINEER.
- CONTRACTOR MUST KEEP (1) COPY OF APPROVED PLANS ON-SITE WHENEVER CONSTRUCTION IS IN PROGRESS. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO CLOSEOUT, THE CONTRACTOR SHALL SUBMIT "REDLINE DRAWINGS" TO THE CITY FOR PREPARATION OF RECORD DRAWINGS. THE "REDLINE DRAWINGS" ARE TO DOCUMENT ALL DEVIATIONS AND REVISIONS TO THE APPROVED PLANS.
- ALL TRENCHES CROSSING VEHICLE TRAVEL LANES SHALL BE BACKFILLED WITH CLSM/CLF ABOVE THE PIPE ZONE.

Existing Utilities

- ALL UTILITIES: UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS AND THE SIZE OF ALL UTILITIES SHOWN TO AVOID DAMAGE AND/OR DISTURBANCE TO SUCH UTILITIES, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. CONTRACTOR SHALL PRESERVE, PROTECT AND SUPPORT ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION. REPAIR, OR REPLACE ALL EXISTING STRUCTURES DAMAGED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO STORM SEWERS, CATCH BASINS, AND CULVERTS.
- POWER, TELEPHONE, GAS AND CABLE: WHERE THESE UTILITIES CROSS THE PROPOSED WATER MAIN, THE DEPTH OF EACH IS SHOWN ON THE PROFILES AND IS BASED ON TYPICAL LAYING DEPTHS FOR EACH OF THESE UTILITIES. ACTUAL DEPTHS ARE UNKNOWN AND MAY VARY SIGNIFICANTLY. CONTRACTOR SHALL NOTIFY THE CITY IMMEDIATELY IF UTILITY CROSSING DEPTH CONFLICTS ARISE.
- WATER: THE VERTICAL AND HORIZONTAL LOCATIONS OF THE EXISTING WATER MAIN SHOWN ON THE PLANS ARE APPROXIMATE. DEVIATIONS FROM THESE PLANS MAY EXIST. IN LOCATIONS WHERE THE EXISTING WATER MAIN IS EXPOSED IN ORDER TO CONSTRUCT THE NEW WATER MAIN, THE AMOUNT OF OPEN TRENCH SHALL BE MINIMIZED TO AVOID EXPOSING MORE THAN ONE EXISTING WATER MAIN PIPE JOINT WHERE THE EXISTING PIPE IS TO REMAIN. THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT PREVENTS DAMAGE TO THE EXISTING WATER MAIN DURING THE CONSTRUCTION OF THE NEW WATER MAIN.
- MAINTAIN A MINIMUM OF 6 INCHES OF CLEARANCE WHEN CROSSING OTHER UTILITIES. PROVIDE STYROFOAM CUSHION BETWEEN PIPING AT PIPE CROSSINGS WHERE PIPES CROSS WITH LESS THAN 12 INCHES OF VERTICAL SEPARATION. A SAND CUSHION MAY BE USED IN AREAS WHERE ADEQUATE COMPACTION CAN BE ACHIEVED AND AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL EXISTING CUSTOMERS AT ALL TIMES, EXCEPT WHEN CONNECTION TO THE EXISTING SYSTEM IS MADE. NO SERVICE SHALL BE SHUT OFF WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY.
- OPERATION OF VALVES IN THE CITY'S WATER SYSTEM BY ANYONE OTHER THAN A CITY EMPLOYEE IS STRICTLY PROHIBITED. CONTRACTORS SHALL NOT OPEN OR CLOSE VALVES, OR TAKE ANY OTHER ACTION THAT MAY AFFECT THE OPERATION OF THE EXISTING WATER SYSTEM, EXCEPT AS SPECIFICALLY REQUIRED BY THE PLANS AND SPECIFICATIONS, AND ONLY WITH PRIOR APPROVAL BY THE CITY.
- CONFLICTS WHICH MAY OCCUR DURING CONSTRUCTION OF THE PROPOSED WATER MAIN OR SERVICE LINES SHALL BE RESOLVED IN THE FOLLOWING MANNER, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL SUBMIT PROPOSED CHANGES, AS MARK-UPS ON THE PLANS, TO THE ENGINEER FOR REVIEW:
 - IF THE PROPOSED WATER MAIN CONFLICTS WITH A MAJOR UTILITY SUCH AS A 2" OR GREATER DIAMETER GAS MAIN OR STORM WATER MAIN, THE WATER LINE SHALL BE DEFLECTED WITHIN MANUFACTURER'S STANDARDS OR REALIGNED USING VERTICAL OR HORIZONTAL BENDS AS APPROVED BY THE ENGINEER.
 - IF THE PROPOSED WATER MAIN CONFLICTS WITH A MINOR UTILITY SUCH AS POWER, CABLE, GAS SERVICE AND TELEPHONE LINES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND PROPOSE ANY NECESSARY CHANGES REQUIRED. IF NECESSARY, THE ENGINEER SHALL CONTACT THE UTILITY COMPANY AND COORDINATE WITH THE UTILITY COMPANY TO REALIGN THE CONFLICTING UTILITY.

Site

- IF STORAGE IS NEEDED, THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE OWNER AND ADJACENT PROPERTY OWNERS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EXISTING OR BETTER CONDITION UNLESS OTHERWISE STATED ON THE PLANS.
- ALL VEHICLES ARE TO BE CLEANED OF ALL EXCESS CONCRETE AND DIRT PRIOR TO LEAVING THE SITE. PROTECT ROADWAYS FROM DAMAGE OR SEDIMENT TRANSPORT DURING CONSTRUCTION. ANY DAMAGE OR CLEANUP SHALL BE SOLELY AT THE CONTRACTOR'S EXPENSE AND BE COMPLETED TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS FOR OFF SITE DISPOSAL INCLUDING ONLY DISPOSING OF WASTE MATERIAL AT APPROVED SITES.
- AT THE END OF EACH WORKING WEEK, THE OWNER WILL, AT THEIR DISCRETION INSPECT ALL TEMPORARY RESTORATION. IF THE TEMPORARY RESTORATION DOES NOT PROVIDE AN ADEQUATE DRIVING SURFACE, AS DETERMINED BY THE OWNER, THEN THE CONTRACTOR SHALL IMMEDIATELY PROCEED WITH THE PERMANENT RESTORATION AS DESCRIBED IN THE SPECIFICATIONS.

Sewer Abandonment Notes

- THE CITY SHALL BE SOLE DETERMINER OF APPROPRIATE ABANDONMENT PROCEDURES AND METHODS. RESTORE ALL DISTURBED SURFACES TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY.
- ABANDONMENT OF SEWER LINES AND MANHOLES/STRUCTURES SHALL NOT OCCUR UNTIL ALL EXISTING SANITARY SEWER SERVICES HAVE BEEN TRANSFERRED TO ANOTHER LINE AND DIRECTED BY THE CITY INSPECTOR.

SEWER MAINS

- ABANDONED SANITARY SEWER MAINS 15 INCHES OR LARGER SHALL BE FILLED WITH A CEMENTIOUS LOW STRENGTH MATERIAL.
- ABANDONED SANITARY SEWER MAINS THAT ARE SMALLER THAN 15 INCHES IN DIAMETER ARE GENERALLY NOT REQUIRED TO BE GROUTED UNLESS SPECIFIED IN PLANS.
- ABANDONMENT OF SANITARY SEWER LINES SHALL BE ACCOMPLISHED BY INSTALLING THE GROUT MATERIAL WITH SUFFICIENT PRESSURE AND IN NUMEROUS LOCATIONS. THE METHOD OF INSTALLATION SHALL BE ABLE TO MEET THE REQUIREMENT OF COMPLETELY FILLING THE EXISTING SANITARY SEWER MAIN AND ANY VOIDS ADJACENT TO IT.

SEWER STRUCTURES

- SEWER STRUCTURES TO BE ABANDONED SHALL BE REMOVED TO A DEPTH OF TWO FEET BELOW FINISH GROUND ELEVATION, UNLESS NOTED OTHERWISE.
- ABANDONED SANITARY SEWER STRUCTURES SHALL BE FILLED TO THE TOP OF REMAINING CONCRETE STRUCTURE WITH THE SAME CEMENTIOUS MATERIAL USED TO ABANDON SEWER MAINS. THE SURFACE SHALL BE RESTORED PER THE TYPICAL TRENCH DETAIL SHOWN IN THESE PLANS.
- MANHOLE FRAMES, COVERS, ADJUSTMENT RINGS, ETC. TO BE REMOVED SHALL NOT BE REUSED ON NEW MANHOLES AND SHALL BECOME PROPERTY OF THE CONTRACTOR TO DISPOSE OF.

Sewer Main Construction Notes

- ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF FLORENCE STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- CONTRACTOR TO POTHOLE ALL UTILITY CROSSINGS PRIOR TO BEGINNING CONSTRUCTION OF SEWER MAIN. NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS. NO PAYMENT WILL BE MADE FOR EXTRA WORK TO AVOID CONFLICTS IF CONTRACTOR DOES NOT POTHOLE UTILITY CONFLICT PRIOR TO BEGINNING CONSTRUCTION.
- PRIOR TO BACKFILL, ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF FLORENCE CONSTRUCTION INSPECTOR. APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM CORRECTION OF ANY DEFICIENCIES AND/OR FAILURES AS DETERMINED BY SUBSEQUENT TESTING AND INSPECTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF FLORENCE FOR THE REQUIRED INSPECTIONS.
- GRAVITY SEWER MAIN, UNLESS SPECIFIED OTHERWISE ON THE PLANS, SHALL BE PVC, ASTM D3034 SDR 35, WITH JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D3212 AND ASTM F477.
- C900 PVC PIPE SHALL BE DR18, AND GREEN IN COLOR.
- PRECAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C478. MANHOLES SHALL BE A STANDARD PRE-CAST 48" MANHOLE PER CITY OF FLORENCE STANDARD DRAWINGS, UNLESS OTHERWISE SPECIFIED ON THE PLANS. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO ASTM C443 AND SHALL BE GROUTED FROM THE INSIDE. LIFT HOLES SHALL BE GROUTED FROM THE OUTSIDE AND THE INSIDE OF THE MANHOLE.

Sewer Main Construction Notes (Cont.)

- ALL SEWER MAINS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT BY A LICENSED ENGINEERING OR SURVEYING FIRM QUALIFIED TO PERFORM SUCH WORK.
- BEDDING OF THE SEWER MAIN AND COMPACTION OF THE BACKFILL MATERIAL SHALL BE REQUIRED IN ACCORDANCE WITH ODOT/APWA STANDARDS & CITY OF FLORENCE STANDARD DRAWINGS.
- ANY CHANGES TO DESIGN SHALL FIRST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER AND THE CITY OF FLORENCE.
- ALL LINES SHALL BE HIGH VELOCITY CLEANED AND PRESSURE TESTED IN CONFORMANCE WITH ODOT/APWA STANDARDS. TESTING OF THE SANITARY SEWER MAIN SHALL INCLUDE A VIDEO INSPECTION AND RECORDING OF THE MAIN BY THE CONTRACTOR. IMMEDIATELY PRIOR TO VIDEO INSPECTION, ENOUGH WATER SHALL BE RUN DOWN THE LINE SO IT COMES OUT OF THE LOWER MANHOLE. A COPY OF THE VIDEO INSPECTION SHALL BE SUBMITTED TO THE CITY OF FLORENCE. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE VIDEO INSPECTION HAS BEEN REVIEWED AND APPROVED BY THE INSPECTOR.
- TRENCH RESTORATION SHALL BE PER CITY OF FLORENCE STANDARD DRAWINGS.
- GROUNDWATER IS LIKELY TO BE ENCOUNTERED, ANY DE-WATERING IS TO BE AT THE CONTRACTORS EXPENSE.

Water Main Abandonment Notes

- THE CITY SHALL BE SOLE DETERMINER OF APPROPRIATE ABANDONMENT PROCEDURES AND METHODS. RESTORE ALL DISTURBED SURFACES TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY. RETURN ALL REMOVED FACILITIES (HYDRANTS, FITTINGS, VALVES, ETC.) TO THE CITY AT THE DISCRETION OF THE CITY. UNUSABLE EQUIPMENT SHALL BECOME PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR. THE FOLLOWING METHODS ARE APPROVED ABANDONMENT PROCEDURES FOR TERMINATED FACILITIES.
 - ABANDONED HYDRANTS, SERVICES, BRANCH MAINS, ETC. ARE TO BE ABANDONED AND PHYSICALLY SEPARATED FROM THE MAINLINE AND ARE NOT TO BE LEFT STUBBED OUT FROM THE MAINLINE.

VALVES

- REMOVE VALVE BOXES. CLOSE, PLUG OR BLIND FLANGE THE WATER MAIN. CUT OFF OPERATING NUTS.

WATER MAINS

- CUT AND DRAIN THE ABANDONED WATER MAIN WHERE EXPOSED DURING CONSTRUCTION.
- REMOVE ANY MAINS IN THE WAY OF NEW CONSTRUCTION. SAW CUT AND REMOVE SHORT SECTIONS OF PIPE. MAINS SHALL NOT BE FORCIBLY REMOVED WITH HEAVY EQUIPMENT DUE TO POTENTIAL DAMAGE TO SURROUNDING UTILITIES.
- REMOVE ALL VALVE BOXES.
- MAINS NOT ENCOUNTERED DURING NEW TRENCHING MAY BE LEFT IN PLACE, BUT VALVES MUST BE ABANDONED AS DESCRIBED UNDER "VALVES".
- PLUG ENDS OF ABANDONED MAINS EXPOSED DURING CONSTRUCTION WITH GROUT PLUG, BLIND FLANGE, OR CAP AS DIRECTED BY THE CITY.

WATER SERVICES

- REMOVE ALL VAULTS, SETTERS AND MISCELLANEOUS FITTINGS. BACKFILL WITH CRUSHED ROCK AND COMPACT.
- AT THE DISCRETION OF THE CITY, THE SERVICE LINE MAY REMAIN IN PLACE, BUT MUST BE TERMINATED AT THE MAINLINE.

HYDRANTS

REMOVE ENTIRE HYDRANT AND ABANDON MAINLINE VALVE AS DETAILED ABOVE. REMOVE ANY BOLLARDS

Water Main Construction Notes

- WATER MAIN PIPE SHALL BE AWWA C900 PVC. FITTINGS SHALL HAVE MECHANICAL JOINTS WITH MEGALUG JOINT RESTRAINTS OR APPROVED EQUAL WHERE RESTRAINED JOINTS ARE SHOWN.
- ALL BOLTS ON FITTINGS, VALVES AND OTHER BOLTED PIPE JOINTS SHALL BE COR-BLUE OR EQUIVALENT FLUOROCARBON RESIN COATED, AND SHALL BE IN COMPLIANCE WITH ANSI/AWWA C11/A21.11 (CURRENT REVISION).
- MAINTAIN JOINT DEFLECTION WITHIN MANUFACTURER'S ALLOWABLE LIMITS.
- POTHOLE ALL UTILITY CROSSINGS, INCLUDING SERVICES, A MINIMUM OF 100 FEET AHEAD OF INSTALLED MAIN. ADJUST LINE AND GRADE TO AVOID CONFLICTS AND PROVIDE VERTICAL CLEARANCE. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS. NO PAYMENT WILL BE MADE FOR EXTRA WORK TO RE-LAY MAIN OR FOR EXTRA FITTINGS TO AVOID CONFLICTS IF CONTRACTOR DOES NOT POTHOLE UTILITY CONFLICT 100 FEET AHEAD OF WATERLINE.
- COMPACTION TESTING IS REQUIRED FOR ALL OPEN CUTS AND/OR CROSSINGS WITHIN PAVED OR TRAVELED AREAS OF PUBLIC AND PRIVATE RIGHT-OF-WAYS. WATER MAIN TRENCH SECTION AND ALL EXCAVATED AREAS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE CITY STANDARD DETAILS. COMPACTION TESTING SHALL BE REQUIRED DURING BACKFILLING OPERATIONS PER THE SPECIFICATIONS AND AT THE DISCRETION OF THE CITY AT THE CONTRACTOR'S EXPENSE. IF TRENCH BACKFILL DOES NOT MEET COMPACTION REQUIREMENTS, CONTRACTOR SHALL EXCAVATE, RE-COMPACT AND RE-TEST MATERIAL AT CONTRACTOR'S EXPENSE.
- ALL NEW WATER PIPELINES UNDER CONSTRUCTION SHALL BE PHYSICALLY DISCONNECTED FROM THE CITY'S EXISTING SYSTEM. CONNECTION TO THE EXISTING DISTRIBUTION SYSTEM SHALL BE MADE AFTER PASSING HYDROSTATIC AND BACTERIOLOGICAL TESTING AND ACCEPTANCE BY CITY OF FLORENCE PUBLIC WORKS DEPARTMENT. HYDROSTATIC TESTING SHALL BE MONITORED BY CITY STAFF. BACTERIOLOGICAL TESTS SHALL BE TAKEN BY CITY STAFF CERTIFIED AS DISTRIBUTION OPERATORS BY OREGON DEPARTMENT OF HUMAN SERVICES, DRINKING WATER PROGRAM. CONNECTION OF NEW PIPELINES TO THE EXISTING SYSTEM SHALL BE OBSERVED BY CITY STAFF.
- HYDROSTATIC TESTS: THE TEST SHALL CONFORM WITH AWWA C600. THE TEST PRESSURE SHALL BE 150 PSI AT THE HIGHEST POINT OF ELEVATION IN ANY SECTION. THE DURATION SHALL BE 120 MINUTES AND SHALL BE MONITORED BY CITY STAFF.
- DISINFECTION: PIPELINES SHALL BE FLUSHED AND DISINFECTED BEFORE PLACING INTO SERVICE. DISINFECTION SHALL CONFORM WITH AWWA C651. TWO CONSECUTIVE SETS OF BACTERIOLOGICAL SAMPLES, TAKEN AT LEAST 24 HOURS APART, SHALL BE COLLECTED FROM THE NEW PIPELINE. HIGHLY CHLORINATED WATER USED FOR DISINFECTION SHALL NOT BE DISCHARGED INTO THE CITY'S MUNICIPAL SEPARATE STORM SEWER SYSTEM OR SURFACE WATERS. APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS CONCERNING DISCHARGE SHALL BE FOLLOWED.
- THE CONTRACTOR SHALL PERFORM PRESSURE TESTING IN ACCORDANCE WITH THE SPECIFICATIONS, UNLESS OTHERWISE APPROVED. MAINLINE SHALL BE TESTED IN SECTIONS OF NO MORE THAN 1,000 FEET. THE CITY INSPECTOR HAS DISCRETION TO MODIFY THE TESTING REQUIREMENTS AS S/HE DEEMS APPROPRIATE.



CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1
GENERAL - SHEET 1 OF 2



ENGINEER: CJW	SAVED DATE: Oct 24, 2024	CITY: FLO	JOB NO.: 024-0115	REVISIONS	NO.	DATE	DESCRIPTION	BY	REVIEW
REVIEWED: KAL	PLotted DATE: Oct 24, 2024	FILENAME: N1WP-P-COV.DWG		1					
				PRELIMINARY REVIEW DRAWINGS					
SCALE: SHOWN									
DRAWING IS FULL SCALE WHEN BAR MEASURES 2'									
DWG NO.: G01				SHEET NO.: 2		YY			

LEGEND

EXISTING LEGEND

	PARKING LOT CONCRETE AREA
	ROADWAY ASPHALT AREA
	CONCRETE CURB
	NATIVE SOIL
	GRAVEL
	SIDEWALK CONCRETE
	UNDERGROUND CABLE
	OVERHEAD CABLE
	UNDERGROUND TELEPHONE
	UNDERGROUND POWER
	OVERHEAD POWER
	SANITARY SEWER
	WATER LINE
	WATER SERVICE LINE
	TREE (CONIFER)
	TREE (DECIDUOUS)
	MAILBOX
	LIGHT STRUCTURE
	JUNCTION POWER BOX
	TELEVISION PEDESTAL
	TELEPHONE PEDESTAL
	TELEPHONE VAULT
	TELEPHONE POLE
	POWER METER
	FIBER OPTIC POST
	WATER METER
	FIRE HYDRANT
	WATER VALVE
	STORM MANHOLE
	CATCH BASIN
	SANITARY SEWER MANHOLE
	WATER UTILITY MISC.
	WELL HEAD
	ANGLE POINT

PROPOSED LEGEND

ROADWORK LEGEND

	MAJOR CONTOUR
	MINOR CONTOUR
	CUT LIMITS
	FILL LIMITS
	ELECTRICAL CONDUIT
	JUNCTION BOX
	LUMINAIRE
	SIDEWALK
	DRIVEWAY 2% SLOPE SECTION
	DRIVEWAY RAMP AREA 8% SLOPE
	ASPHALT
	COMMERCIAL HMA

DEMOLITION LEGEND

	SAWCUT LINE
	ASPHALT REMOVAL
	CONCRETE REMOVAL
	VEGETATION REMOVAL AREA
	UTILITY ABANDONMENT LIMITS
	UTILITY REMOVAL AREA

SUBSURFACE UTILITY LEGEND

THE CLASSIFICATIONS FOR SUBSURFACE UTILITIES ARE OUTLINED AND EXPLAINED IN THE FOLLOWING LIST:

	UTILITY QUALITY LEVEL A. - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE OF (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. UNLESS OTHERWISE NOTED, QUALITY LEVEL A IS ONLY APPLICABLE AT POTHOLED LOCATIONS ON THE PLANS. AT ALL OTHER AREAS, THE UTILITY SHOULD BE ASSUMED TO BE QUALITY LEVEL B.
	UTILITY QUALITY LEVEL B. - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.
	UTILITY QUALITY LEVEL C. - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES
	UTILITY QUALITY LEVEL D. - INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS

NOTE: THE USE OF THE LINE TYPES PROVIDED ABOVE WAS A PRIMARY METHOD FOR INDICATING THE ACCURACY OF THE UTILITIES SHOWN WITHIN THESE PLANS. WHEN THE SOURCE OF THE INFORMATION WAS UNKNOWN OR THE METHOD FOR LOCATING THE UTILITIES WAS UNAVAILABLE, QUALITY LEVEL D WAS USED AS THE DEFAULT.

SECTION AND DETAIL REFERENCES

THE FOLLOWING CONVENTIONS HAVE BEEN USED WITHIN THESE DRAWINGS TO REFER THE READER BETWEEN THE SECTION/DETAIL AND THE PLAN FROM WHICH IT IS REFERENCED.

	PLAN REFERENCE BUBBLE - REFERS READER BACK TO THE PLAN FROM WHICH THE DETAIL OR SECTION ORIGINATED.
	DETAIL/SECTION REFERENCE BUBBLE - REFERS READER TO THE DRAWING ON WHICH THE DETAIL OR SECTION IS LOCATED.

WHERE, ID = SECTION/DETAIL REFERENCE NUMBER
= DRAWING NUMBER ON WHICH DETAIL ORIGINATED OR RESIDES.

SECTION/DETAIL REFERENCE NUMBER CONVENTIONS:
SECTIONS OR ELEVATIONS SHOULD HAVE A LETTER REFERENCE NUMBER (A THROUGH ZZ).

ABBREVIATIONS

CB	CATCH BASIN	N	NORTHING
CONC	CONCRETE	PE	POLYETHYLENE
CL	CENTERLINE	PROP	PROPOSED
CPEP	CORRUGATED POLYETHYLENE	PVC	POLYVINYL CHLORIDE
CSBC	CRUSHED SURFACING BASE COURSE	R	RIGHT
CSTC	CRUSHED SURFACING TOP COURSE	RT	RIGHT
DIAM	DIAMETER	ROW	RIGHT-OF-WAY
DI	DUCTILE IRON	SPEC	SPECIFICATIONS
DWG	DRAWING	SS	SANITARY SEWER
E	EASTING	SSMH	SANITARY SEWER MANHOLE
ELEV	ELEVATION	ST	STORM
EOP	EDGE OF PAVEMENT	STA	STATION LINE
EX	EXISTING	STD	STANDARD
HMA	HOT MIXED ASPHALT	SY	SQUARE YARDS
L	LEFT	TYP	TYPICAL
LT	LEFT	W	WATER
LF	LINEAR FEET		

SURVEY NOTES

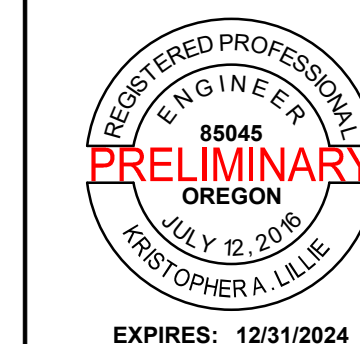
- TOPOGRAPHIC AND MONUMENT RECOVERY SURVEY WAS COMPLETED BY PARIANI LAND SURVEYING, LLC, AUGUST 9TH, 2024.
- HORIZONTAL BASIS OF BEARING: OCRS COAST RANGE NORTH NAD83 (INTL FEET)
- VERTICAL DATUM: NAVD88, DERIVED FROM RTK, GPS OBSERVATIONS
- UTILITY LOCATES WERE PROVIDED PER TICKET NO. 24228492, 24228494, & 24228473

Traffic Control Notes

- CONTRACTOR SHALL ERECT AND MAINTAIN TRAFFIC CONTROL PER THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), PART VI, CONSTRUCTION AND MAINTENANCE, AS ADOPTED AND MODIFIED BY ODOT. SHOULD WORK BE IN AN EXISTING PUBLIC RIGHT OF WAY THAT IS OPEN TO TRAFFIC, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (TCP) TO THE APPROPRIATE CITY, COUNTY, AND STATE PERSONNEL FOR APPROVAL. APPROVALS SHALL BE OBTAINED PRIOR TO START OF WORK.
- CONTRACTOR TO PROVIDE A WRITTEN AND DRAWN PLAN WITHIN THE TCP THAT IDENTIFIES REQUIREMENTS FOR PROVIDING SAFE, EFFECTIVE AND ACCESSIBLE ROUTES FOR PEDESTRIANS THROUGH OR AROUND THE WORK ZONE INCLUDING TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE (TPAR) DETAILS, ADVANCE PUBLIC NOTIFICATION; AND, CONSTRUCTION AND MAINTENANCE RESPONSIBILITIES. THE DEFINITION OF A TPAR IS - AN AREA WITHIN A WORK ZONE, MARKED BY SIGNING, DELINEATION AND TRAFFIC CONTROL DEVICES (TCD), FOR THE USE OF PEDESTRIANS TO NAVIGATE THROUGH OR AROUND THE WORK ZONE. THE TPAR SHALL BE INCLUDED AS PART OF THE TCP.
- CONTRACTOR SHALL USE EVERY REASONABLE PRECAUTION TO SAFEGUARD THE PERSONS AND PROPERTY OF THE TRAVELING PUBLIC. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH, PLACE, AND MAINTAIN THE BARRICADES, BARRIERS, LIGHTS, SIGNAGE, AND FLAGGERS NECESSARY TO PROTECT THE TRAVELING PUBLIC AND THEIR PROPERTY. ALL TCD SHALL MEET MUTCD STANDARDS. ALL BARRICADES AND OBSTRUCTIONS SHALL BE PROTECTED AT NIGHT BY SIGNAL LIGHTS, WHICH SHALL BE SUITABLY DISTRIBUTED AND OPERATED FROM SUNSET TO SUNRISE.
- WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS EITHER THROUGH THE CONSTRUCTION, OR REROUTED AROUND THE CONSTRUCTION, UTILIZING ODOT STANDARD DRAWING TM844 AND THE REQUIREMENTS OF THE 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SUBSECTION 00220.02(B).
- WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH NORMAL OPEN STATE HIGHWAY SHOULDER CONDITIONS, AND THESE IMPACTS LAST LONGER THAN 72 HOURS, FOLLOW THE TEMPORARY SIGNING AND DELINEATION REQUIREMENTS OF ODOT STANDARD DRAWINGS TM800, TM843, TM851 AND TM852.
- ANY ABRUPT EDGE GREATER THAN 2 INCHES IN DEPTH, CLOSER THAN 4 FEET FROM AN ACTIVE TRAVEL LANE, AND HAVING A DURATION LONGER THAN 72 HOURS, SHALL BE REQUIRED TO FOLLOW THE "TYPICAL ABRUPT EDGES SIGNING DETAIL" ON ODOT STANDARD DRAWING TM800.
- WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH SHOULDERS OR BIKE LANES, INSTALL A 48 INCH "BICYCLES ON ROADWAY " (CW11-1) SIGN IN ADVANCE OF EACH SHOULDER OR BIKE LANE CLOSURE AT SIGN SPACING "A" FROM THE "TCD SPACING TABLE" SHOWN ON ODOT STANDARD DRAWING TM800.
- THE CONTRACTOR SHALL PROVIDE FOR EMERGENCY VEHICLE ACCESS TO ALL PROPERTIES ADJACENT TO THE PROJECT. THE OWNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY ACTIONS BY THE CONTRACTOR THAT MAY AFFECT THE FUNCTIONS OR DRIVEWAY ACCESS OF THE OWNER.

TESC General Notes

- CONTRACTOR SHALL ADHERE TO ALL APPLICABLE EROSION CONTROL REQUIREMENTS AND SHALL PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES AND FACILITIES AS REQUIRED TO PREVENT EROSION.
- IN THE EVENT OF ANY EROSION CONTROL MEASURE FAILURE, IMMEDIATE ACTION SHALL BE TAKEN TO REPAIR, REPLACE, OR CONSTRUCT ADDITIONAL MEASURES AS REQUIRED TO ENSURE ADEQUATE EROSION CONTROL PROTECTION.
- ANY DISCHARGE OF SEDIMENT-LADEN RUN-OFF OR OTHER POLLUTANTS TO WATERS OF THE STATE IS SUBJECT TO ENFORCEMENT ACTION, THE COST FOR WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- DURING CONSTRUCTION, ALL RELEASES OF OILS, HYDRAULIC FLUIDS, FUELS, OTHER PETROLEUM PRODUCTS, PAINTS, SOLVENTS, AND OTHER DELETERIOUS MATERIALS MUST BE CONTAINED AND REMOVED IN A MANNER THAT WILL PREVENT THEIR DISCHARGE TO WATERS AND SOILS. THE CLEANUP OF SPILLS SHALL TAKE PRECEDENCE OVER OTHER WORK ON THE PROJECT. BARRELS, PETROPHILIC PADS, TARPS, AND OTHER EQUIPMENT NECESSARY FOR CAPTURING, CONTROLLING, AND DISPOSING OF HAZARDOUS FLUIDS SHALL BE AVAILABLE ON-SITE AT ALL TIMES.
- OWNER REPRESENTATIVES MAY DIRECT MAINTENANCE AND REPAIR OF TESC MEASURES AND/OR FACILITIES AS THE HIGHEST PRIORITY WORK AT ANY TIME THE TESC MEASURES AND/OR FACILITIES DO NOT MEET THE PERMIT, CITY AND PLAN REQUIREMENTS. TESC MEASURES AND FACILITIES ARE NOT SHOWN ON THE PLANS, BUT SHALL BE PROVIDED BASED ON WEATHER CONDITIONS AND CONSTRUCTION PRACTICES AT THE DISCRETION OF THE OWNER.
- FILTER FABRIC INLET BARRIERS ARE TO BE CONSTRUCTED AROUND ALL STORM SYSTEM INLETS WHICH ARE DOWNSTREAM FROM THE CONSTRUCTION SITE AND SUBJECT TO RECEIVING SEDIMENT OR SEDIMENT LADEN WATER AS A RESULT OF THE CONSTRUCTION OPERATIONS.
- DUST CONTROL MUST BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL USE A VACUUM STREET SWEEPER TO REMOVE DUST AND DEBRIS FROM PAVEMENT AREAS AS DIRECTED BY THE ENGINEER OR OWNER'S REPRESENTATIVE. FLUSHING OF STREETS SHALL NOT BE PERMITTED WITHOUT PRIOR CITY AND COUNTY APPROVAL. POWER BROOMS SHALL NOT BE USED, NOR PERMITTED ON SITE.

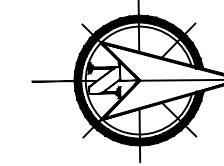


CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

GENERAL - SHEET 2 OF 2



ENGINEER: CJW	DATE: Oct 24, 2024	CITY: FLO	JOB NO.: 024-0115	BY:
REVIEWER: KAL	DATE: Oct 24, 2024	FILENAME: NIMP-P-COV.DWG		
REVISIONS				
PRELIMINARY REVIEW DRAWINGS				
NO.	DATE	DESCRIPTION		
SCALE: SHOWN				
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"				
DWG NO.: G02	SHEET NO.: 3	YY		



GENERAL NOTES

1) DEMOLITION NOTES AS REQ'D



CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

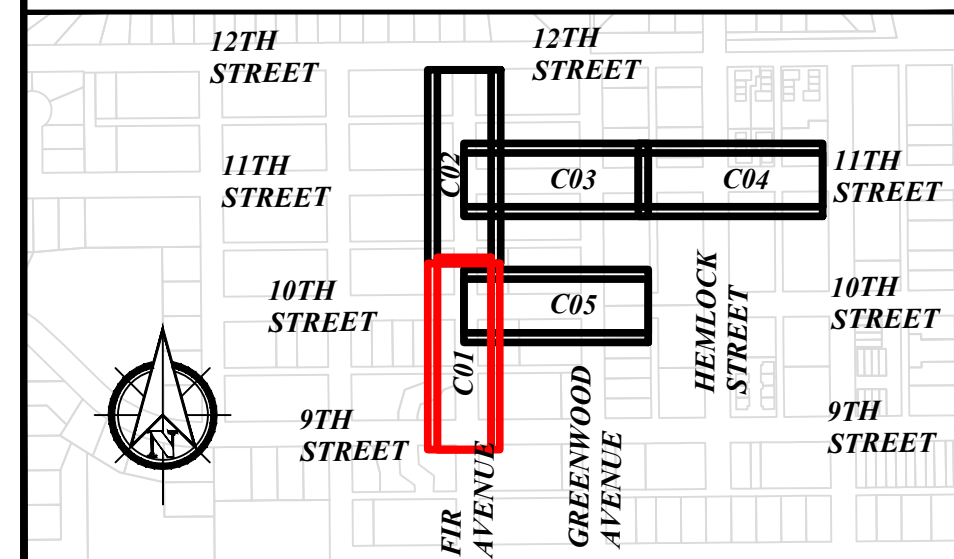
SITE PREPARATION AND SURVEY CONTROL - SHEET 1 OF 5



DEMOLITION NOTES

- ① REMOVE ASPHALT
- ② REMOVE VEGETATION/TREES
- ③ PROPOSED ACP SAWCUT LINE

KEY PLAN



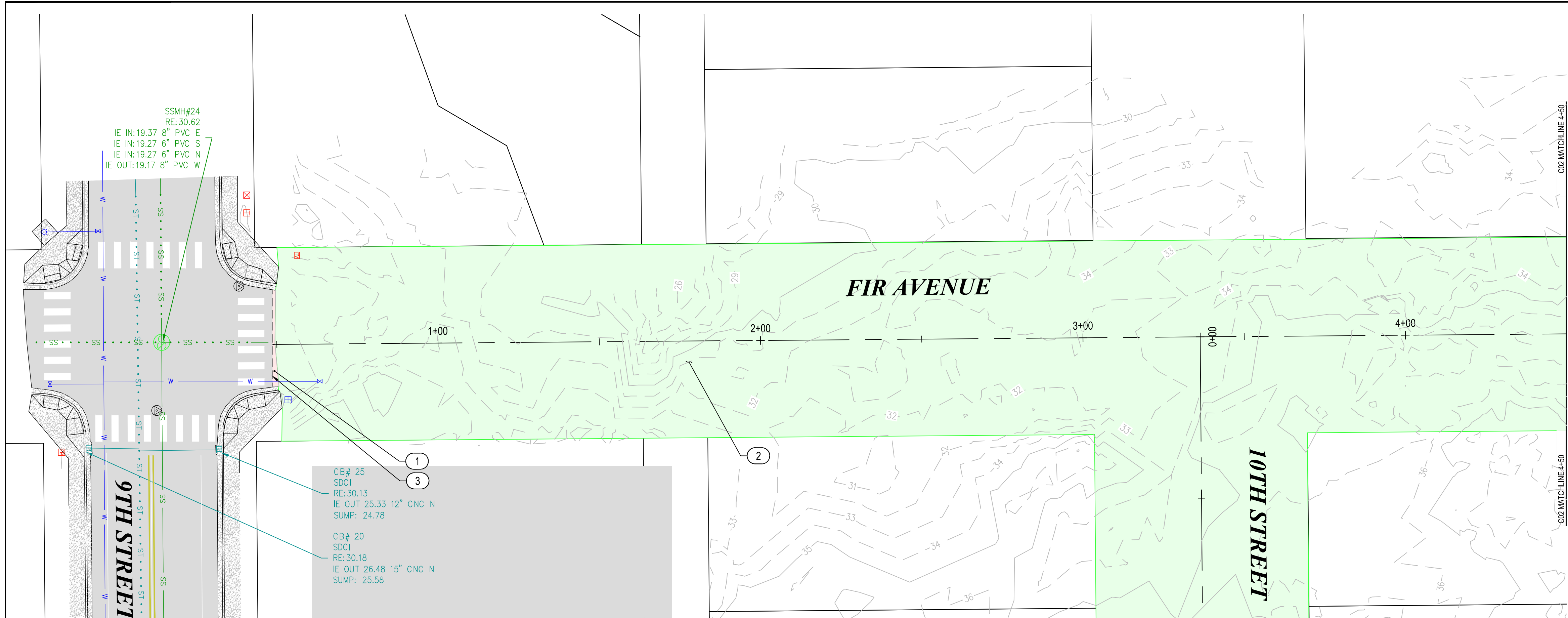
NO.	DATE	DESCRIPTION	BY	REVIEW

PRELIMINARY REVIEW DRAWINGS

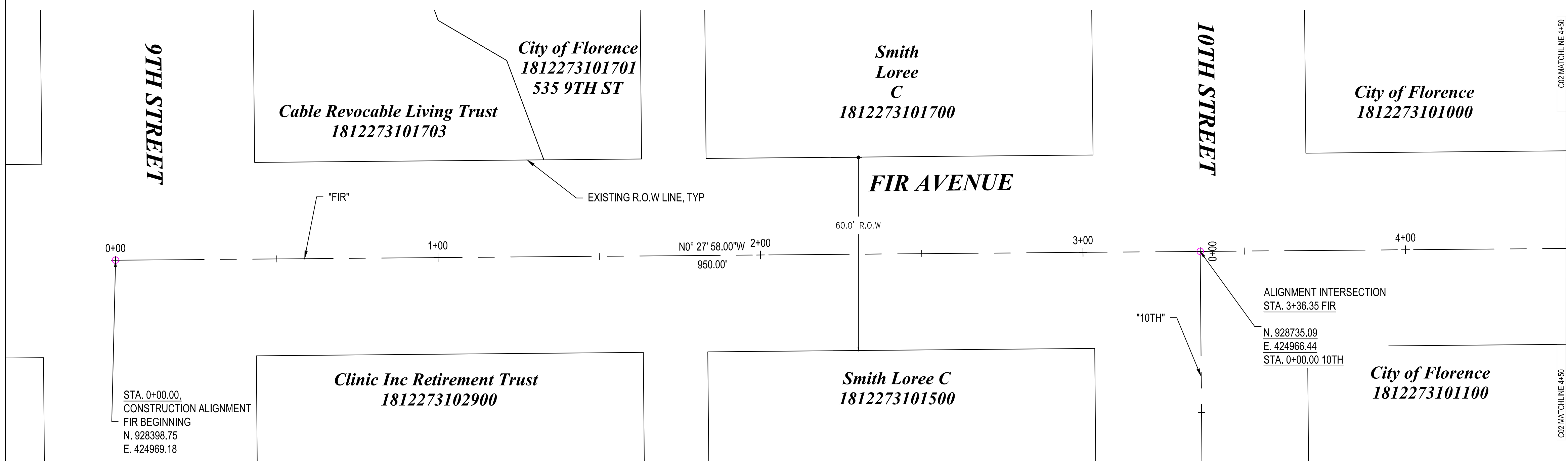
REVISIONS

ENGINEER	DATE	CLIENT	FILENAME
CHW	Oct 24, 2024	FLO	NIMP-P-PRP.DWG
KAL	Oct 24, 2024		

SCALE: SHOWN	
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"	
DWG NO. C01	SHEET NO. 4



PLAN VIEW
1" = 20'



ALIGNMENT CONTROL
1" = 20'

City of Florence
1812273101701
535 9TH ST

Smith Loree C
1812273101700

City of Florence
1812273101000

Cable Revocable Living Trust
1812273101703

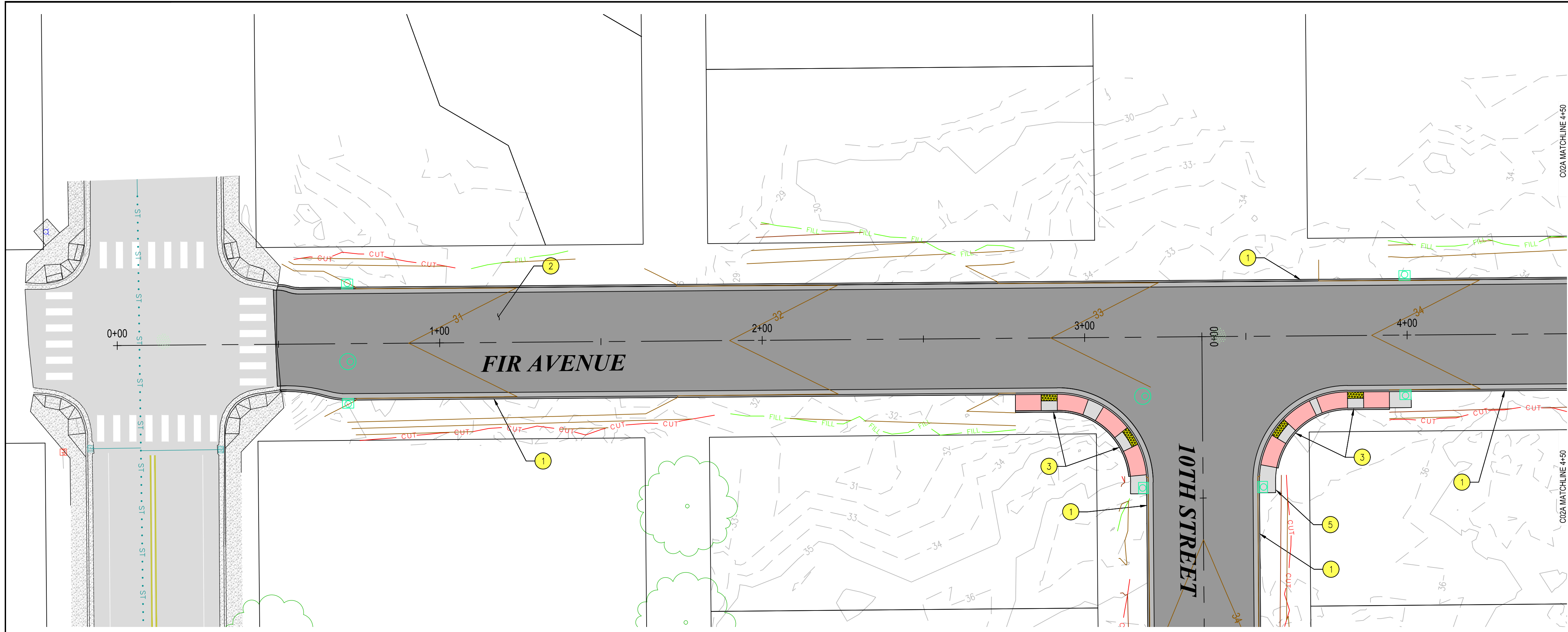
Clinic Inc Retirement Trust
1812273102900

Smith Loree C
1812273101500

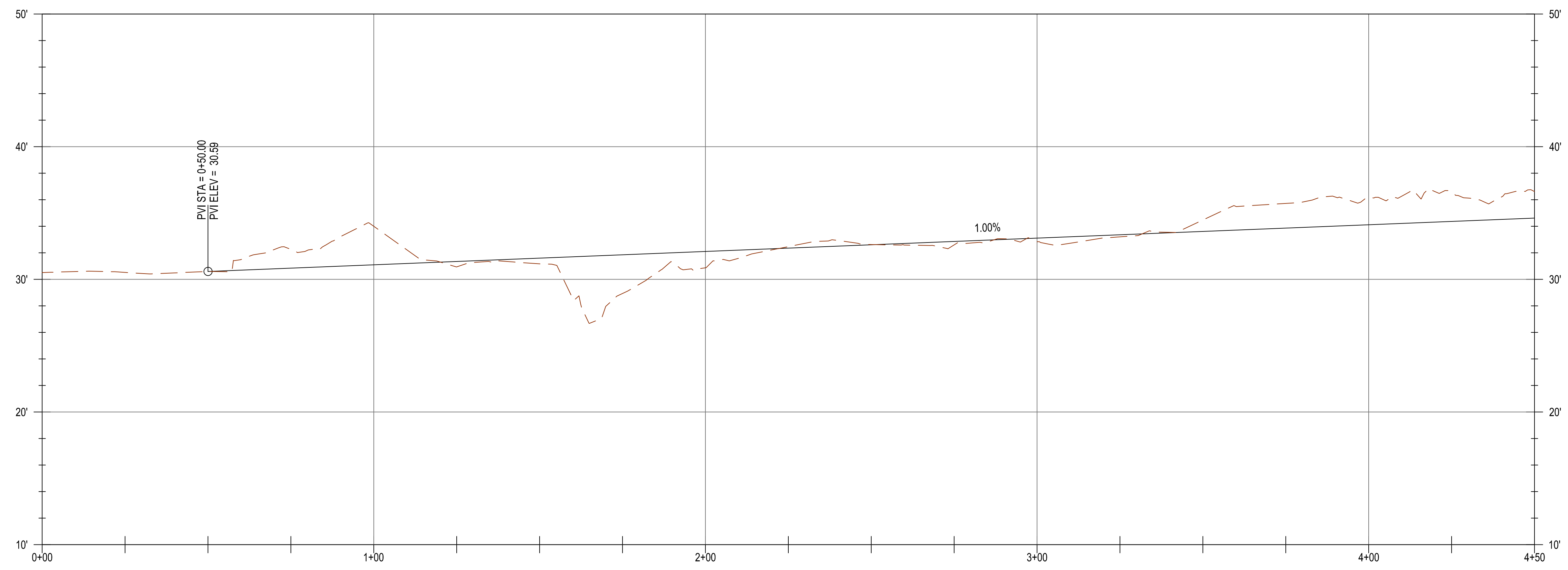
City of Florence
1812273101100

STA. 0+00.00,
CONSTRUCTION ALIGNMENT
FIR BEGINNING
N. 928398.75
E. 424969.18

ALIGNMENT INTERSECTION
STA. 3+36.35 FIR
N. 928735.09
E. 424966.44
STA. 0+00.00 10TH



PLAN VIEW
1" = 20'



FIR ALIGN PROFILE
H: 1" = 20', V: 1" = 5'

GENERAL NOTES

- 1) EOP ELEVATIONS REFERENCED IN THE PROFILE VIEWS REPRESENT THE ASPHALT ELEVATION AT THE EDGE OF PAVEMENT. ELEVATIONS ARE PROJECTED THROUGH INTERSECTIONS.
- 2) ALL DRIVEWAY WIDTHS GIVEN IN DESIGN TABLE SHALL BE MEASURED SYMMETRICALLY ABOUT STATION GIVEN IN TABLE AND MEASURED AT FACE OF CURB.
- 3) OTHER GENERAL NOTES.

CONSTRUCTION NOTES

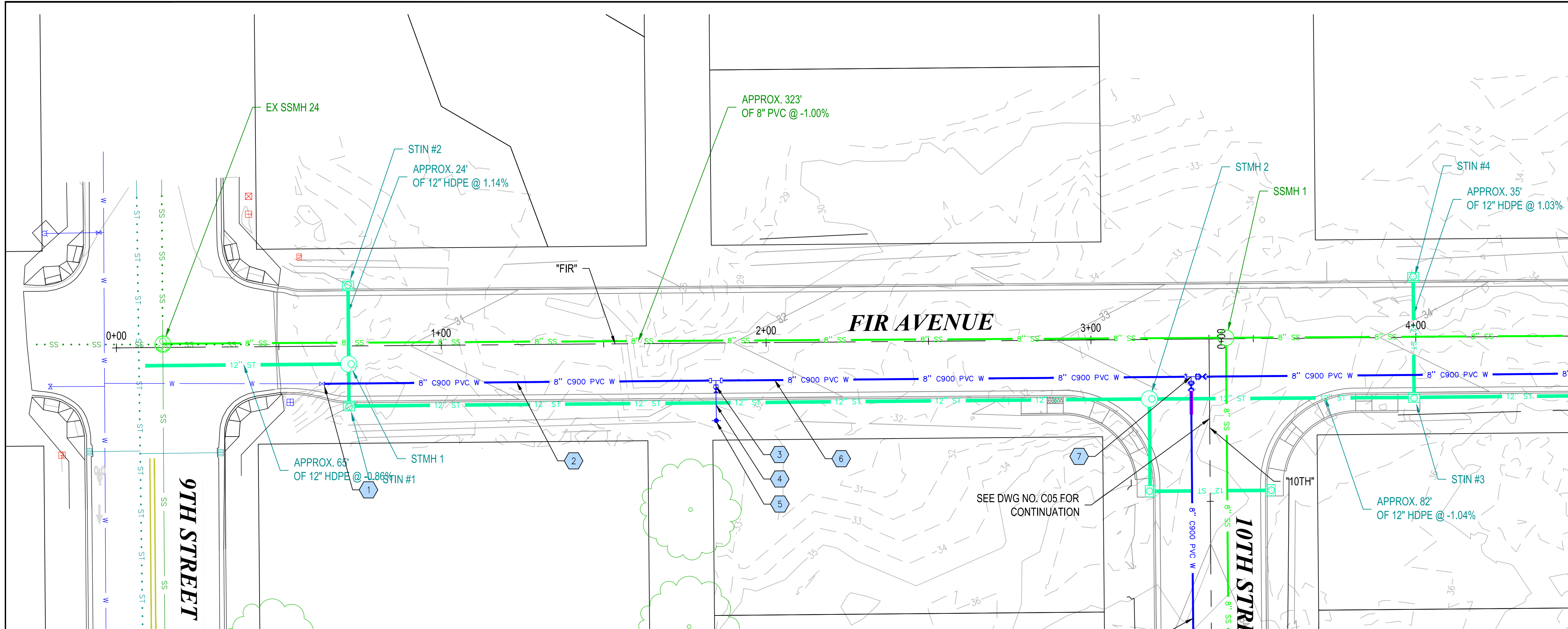
- 1 CONSTRUCT CURB AND GUTTER
- 2 CONSTRUCT ACP ROADWAY PER TYPICAL SECTION, SEE D05
- 3 CONSTRUCT CURB RAMP
- 5 CONSTRUCT "STOP" SIGN ASSEMBLY

KEY PLAN

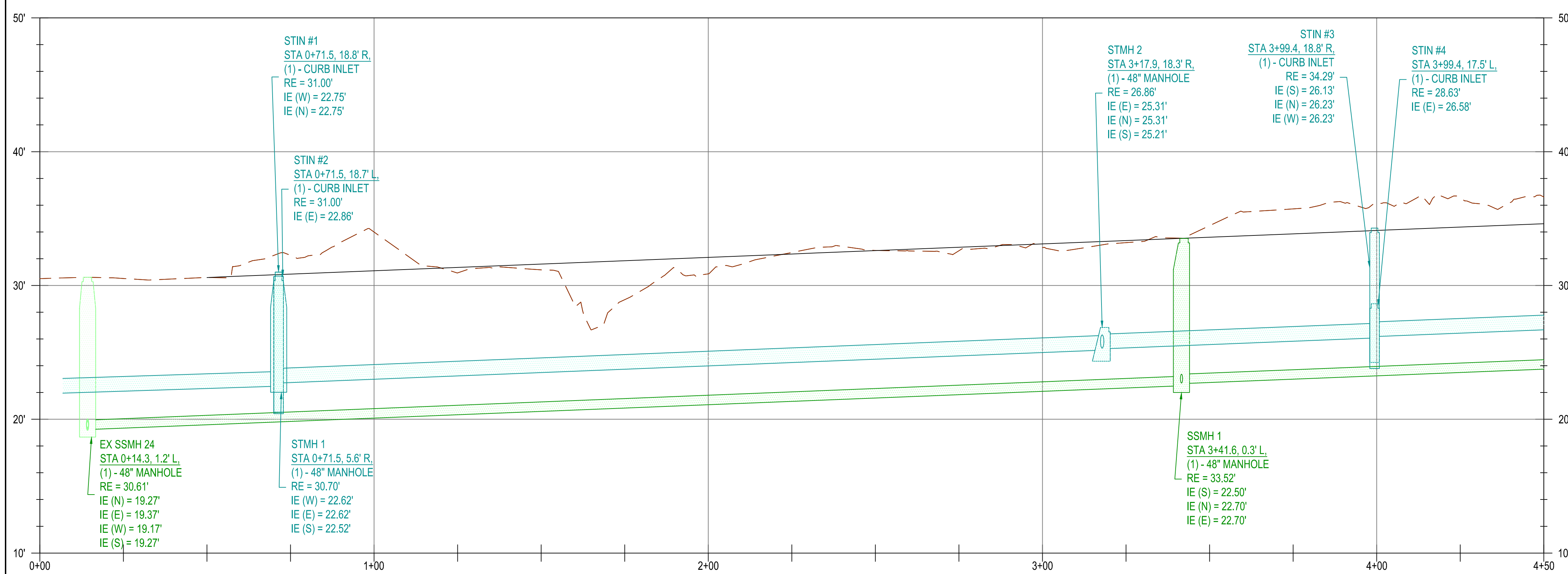


CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1
GENERAL CONSTRUCTION -
SHEET 1 OF 5

ENGINEER: CJW	DATE: Oct 24, 2024	CLIENT: FLO	JOB NO.: 024-0115
REVIEWED: KAL	DATE: Oct 24, 2024	FILENAME: NIMP-P-CIV.DWG	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
PRELIMINARY REVIEW DRAWINGS			
SCALE: SHOWN			
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"			
DWG NO.: C01A	SHEET NO.: 5	DATE: YY	



PLAN VIEW
1" = 20'



PROFILE VIEW
H: 1"=20', V: 1"=5'

UTILITY NOTES

WATERMAIN PIPE AND FITTING NOTES

- 1 APPROX. STA 0+63.9 FIR, 11.6' R:
(1) - CONNECTION TO EXISTING GATE VALVE
- 2 APPROX 121 LF OF 8" DI PIPE
- 3 APPROX. STA 1+84.5 FIR, 11.6' R:
(1) - 8" x 6" DI TEE (MJxFL)
(1) - 6" GATE VALVE (FLxMJ)
(1) - 6" DI SPOOL (PExPE)
- 4 APPROX 12 LF OF DI PIPE
- 5 APPROX. STA 1+84.5 FIR, 23.9' R:
(1) - FIRE HYDRANT ASSEMBLY
- 6 APPROX 146 LF OF 8" DI PIPE
- 7 APPROX. STA 0+11.610, 5.6' R:
(1) - 8" DI TEE (RjxRJ)
(2) - 8" GATE VALVE (RjxRJ)
(1) - 8" DI SPOOL (PExPE)

SERVICE NOTES

- 1

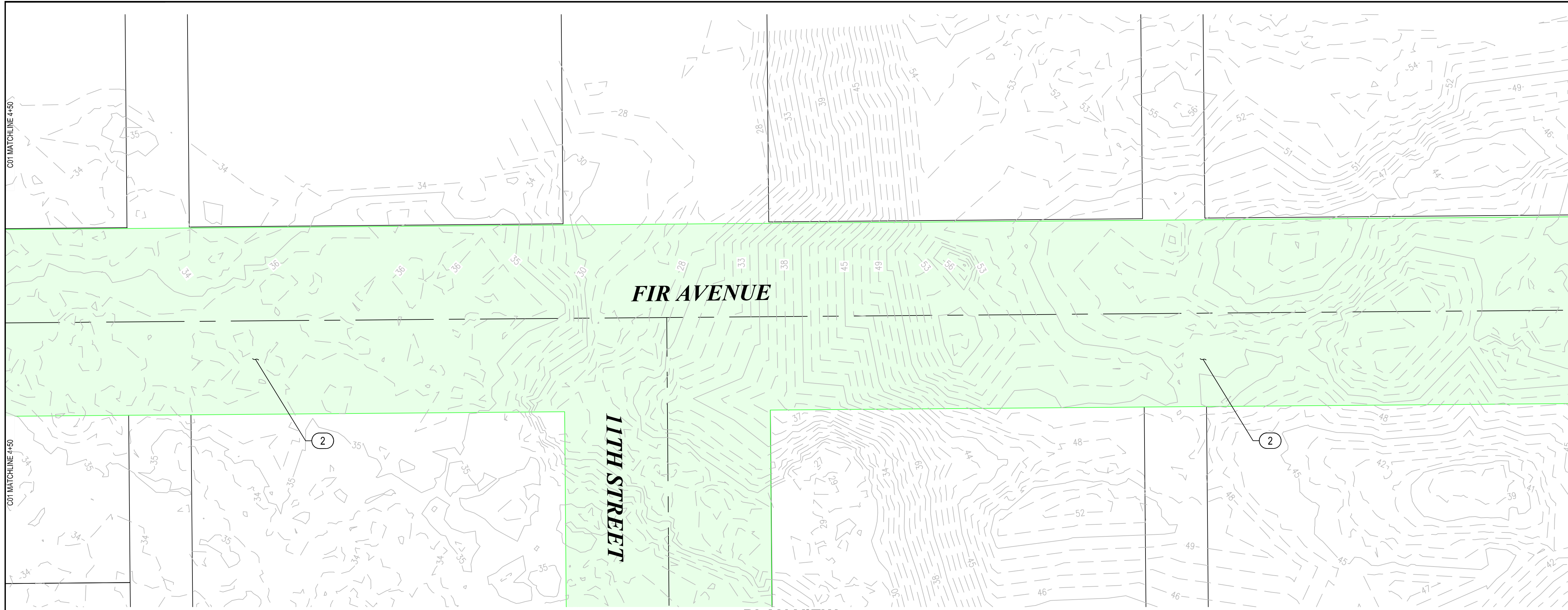
KEY PLAN



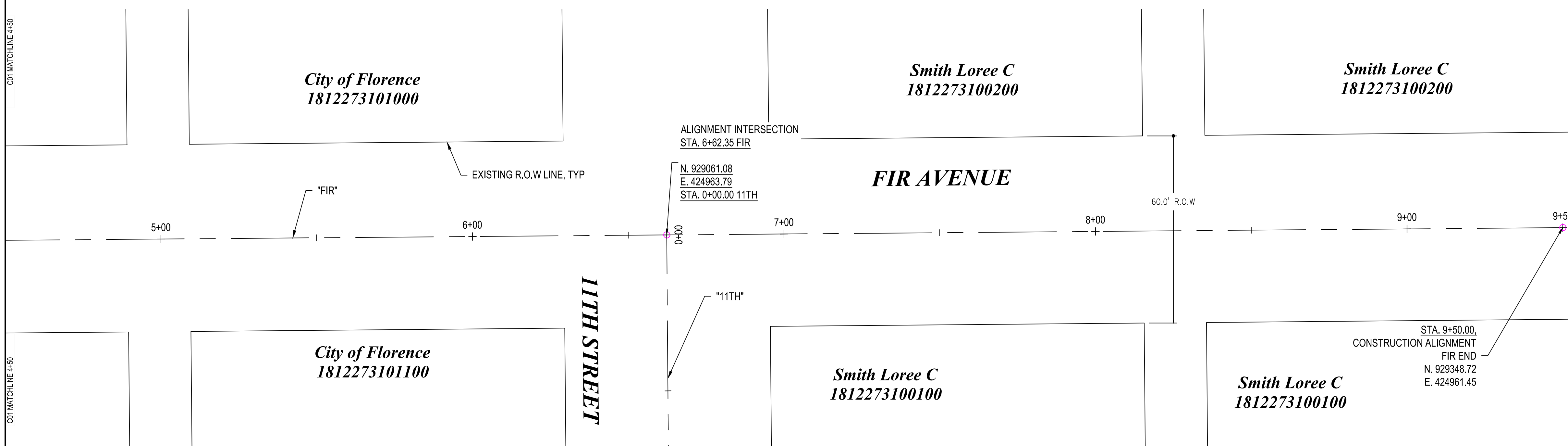
CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

UTILITY PLAN - SHEET 1 OF 5

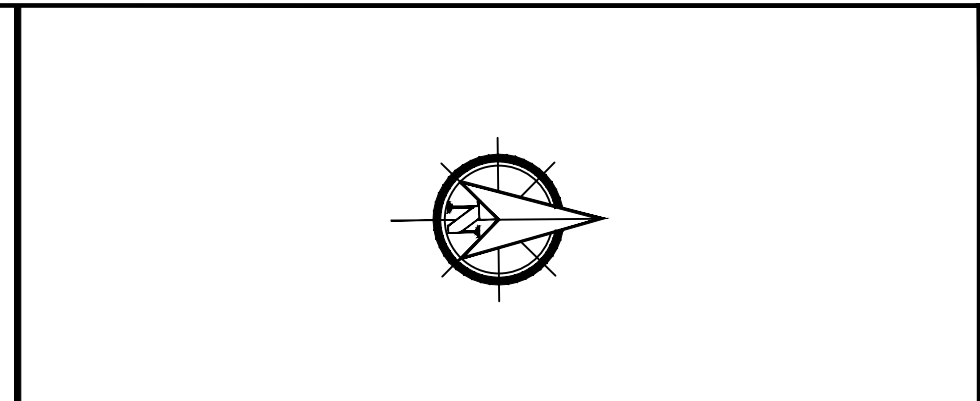
ENGINEER: CWJ	DATE: Oct 24, 2024	CLIENT: FLO	JOB NO.: 024-0115
REVIEWER: KAL	DATE: Oct 24, 2024	FILENAME: NIMP-P-WATERP.DWG	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
PRELIMINARY REVIEW DRAWINGS			
SCALE: SHOWN			
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"			
DWG NO.: C01B	SHEET NO.: 6		



PLAN VIEW
1" = 20'



ALIGNMENT CONTROL
1" = 20'



GENERAL NOTES

1) DEMOLITION NOTES AS REQ'D

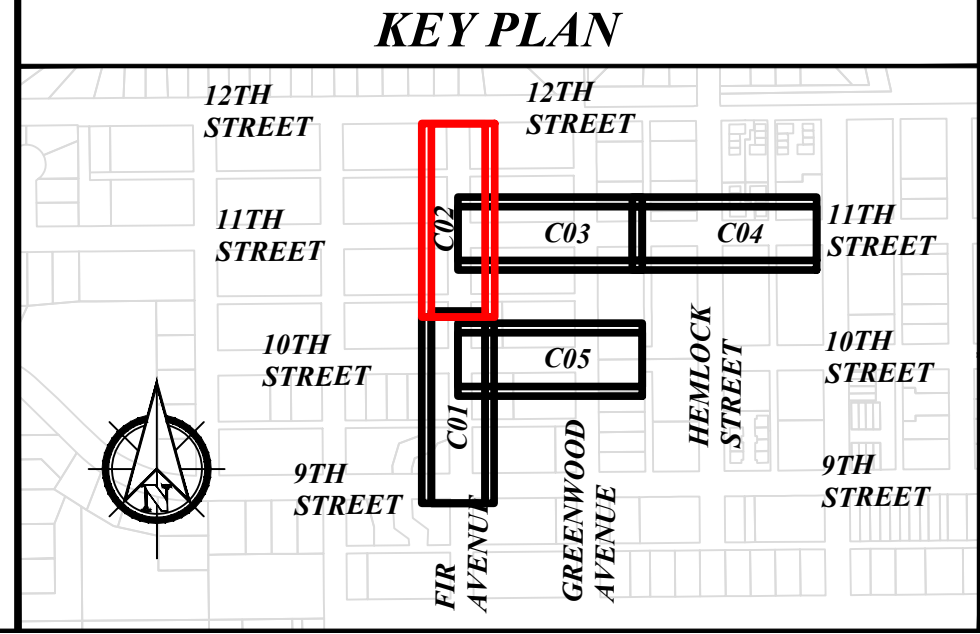
DEMOLITION NOTES

- ① REMOVE ASPHALT
- ② REMOVE VEGETATION/TREES
- ③ PROPOSED ACP SAWCUT LINE

REVISIONS

NO.	DATE	DESCRIPTION	BY	REVIEW

PRELIMINARY REVIEW DRAWINGS



CITY OF FLORENCE

9TH STREET IMPROVEMENT PHASE 1

SITE PREPARATION AND SURVEY CONTROL - SHEET 2 OF 5

ENGINEER: CWJ
REVIEWED: KAL

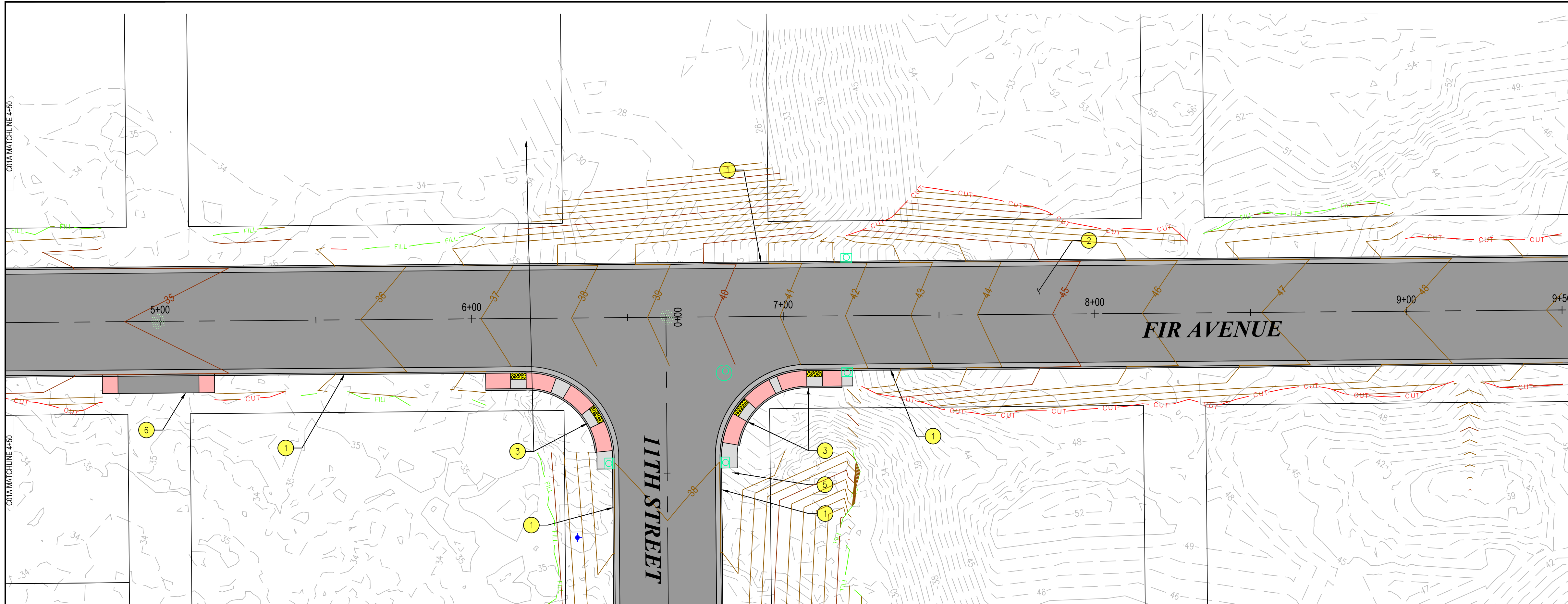
CLIENT: FLO
FILENAME: NIMP-P-PREP.DWG

DATE: Oct 24, 2024
JOB NO.: 024-0115

DATE: Oct 24, 2024
JOB NO.: 024-0115

SCALE: SHOWN

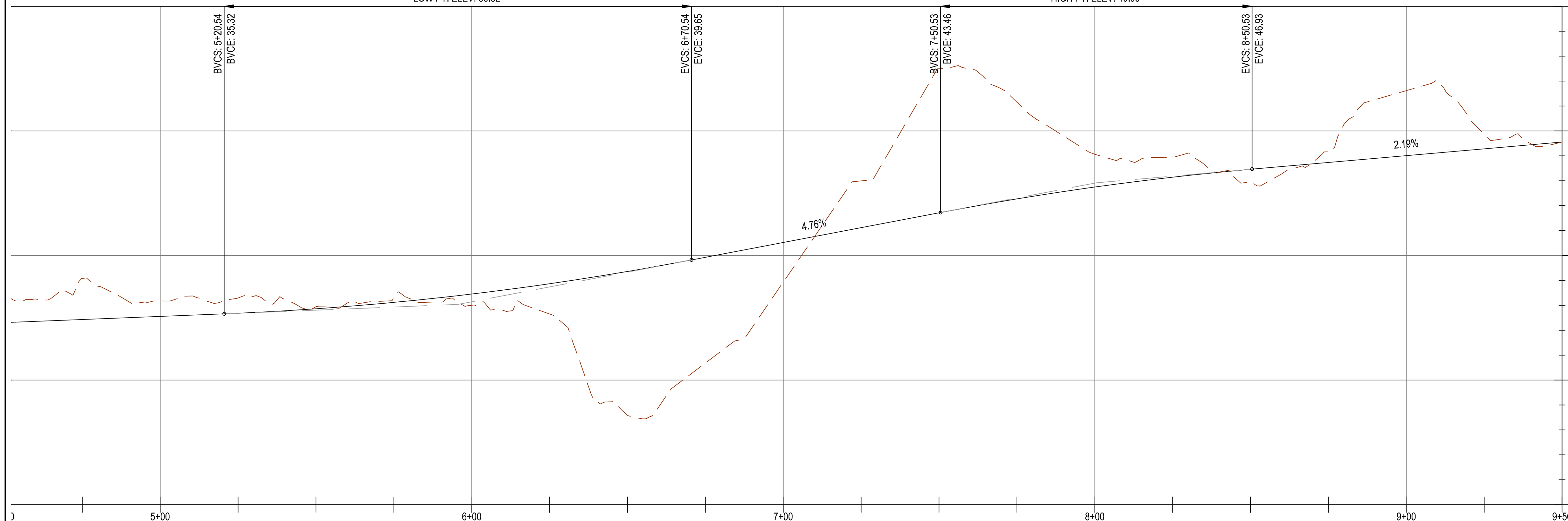
DWG NO.: C02
SHEET NO.: 7
YY



PLAN VIEW
1" = 20'

PVI STA: 5+95.54
PVI ELEV: 36.07
K: 39.92
LVC: 150.00
LOW PT. STA: 5+20.54
LOW PT. ELEV: 35.32'

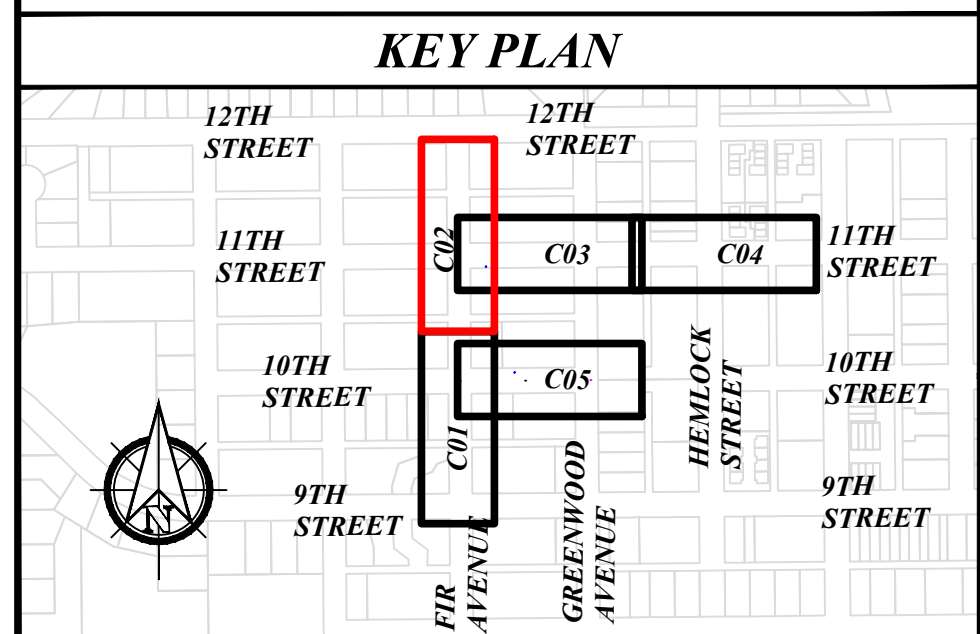
PVI STA: 8+00.53
PVI ELEV: 45.84
K: 38.87
LVC: 100.00
HIGH PT. STA: 8+50.53
HIGH PT. ELEV: 46.93'



FIR ALIGN PROFILE
H: 1" = 20', V: 1" = 5'

- GENERAL NOTES**
- 1) EOP ELEVATIONS REFERENCED IN THE PROFILE VIEWS REPRESENT THE ASPHALT ELEVATION AT THE EDGE OF PAVEMENT. ELEVATIONS ARE PROJECTED THROUGH INTERSECTIONS.
 - 2) ALL DRIVEWAY WIDTHS GIVEN IN DESIGN TABLE SHALL BE MEASURED SYMMETRICALLY ABOUT STATION GIVEN IN TABLE AND MEASURED AT FACE OF CURB.
 - 3) OTHER GENERAL NOTES.

- CONSTRUCTION NOTES**
- 1 CONSTRUCT CURB AND GUTTER
 - 2 CONSTRUCT ACP ROADWAY PER TYPICAL SECTION, SEE D05
 - 3 CONSTRUCT CURB RAMP
 - 5 CONSTRUCT "STOP" SIGN ASSEMBLY
 - 6 CONSTRUCT DRIVEWAY PER ODOT STANDARD DRAWINGS





REGISTERED PROFESSIONAL
ENGINEER
85045
PRELIMINARY
OREGON
JULY 12, 2018
KRISTOPHER A. LILLE
EXPIRES: 12/31/2024

CITY OF FLORENCE

9TH STREET IMPROVEMENT PHASE 1

GENERAL CONSTRUCTION - SHEET 2 OF 5



NO.	DATE	DESCRIPTION	BY	REVIEW
<p>REVISIONS</p> <p style="color: red; font-weight: bold; font-size: 1.2em;">PRELIMINARY REVIEW DRAWINGS</p>				

ENGINEER: CJW
REVIEWED: KAL

DATE: Oct 24, 2024
DATE: Oct 24, 2024

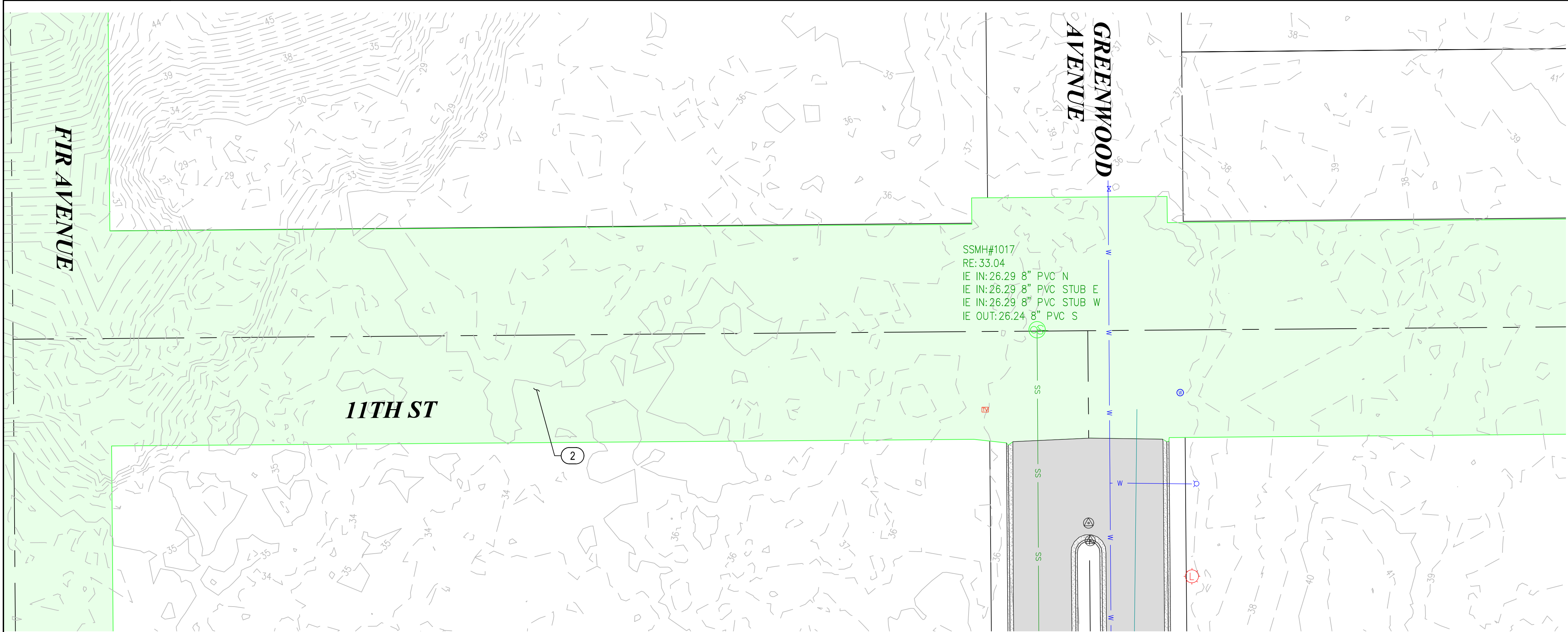
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JOB NO.: 024-0115

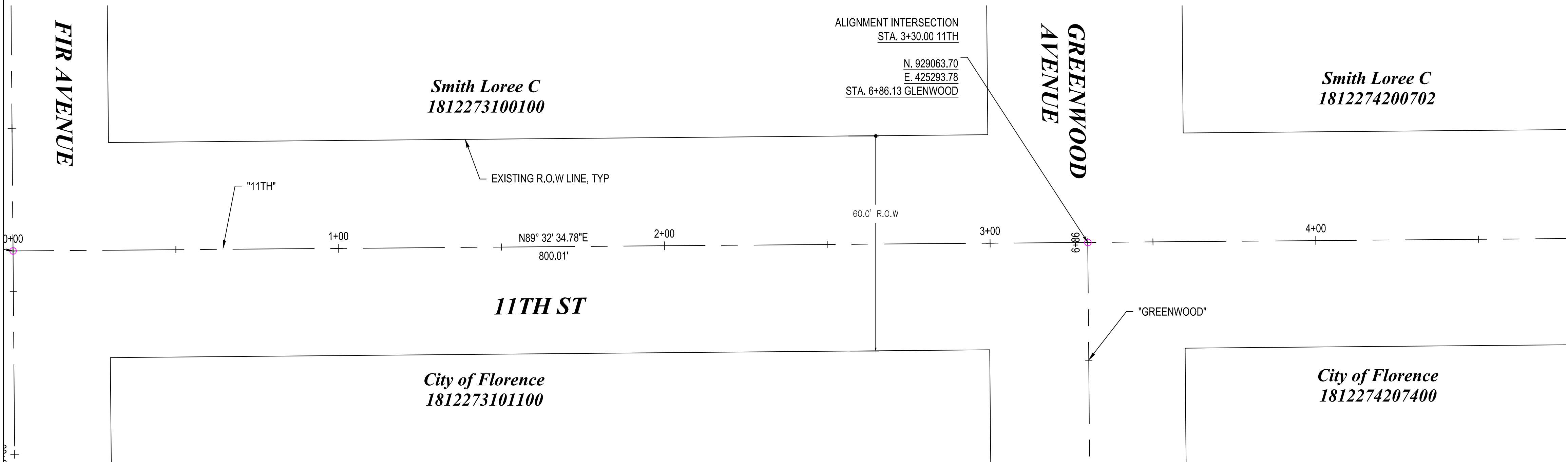
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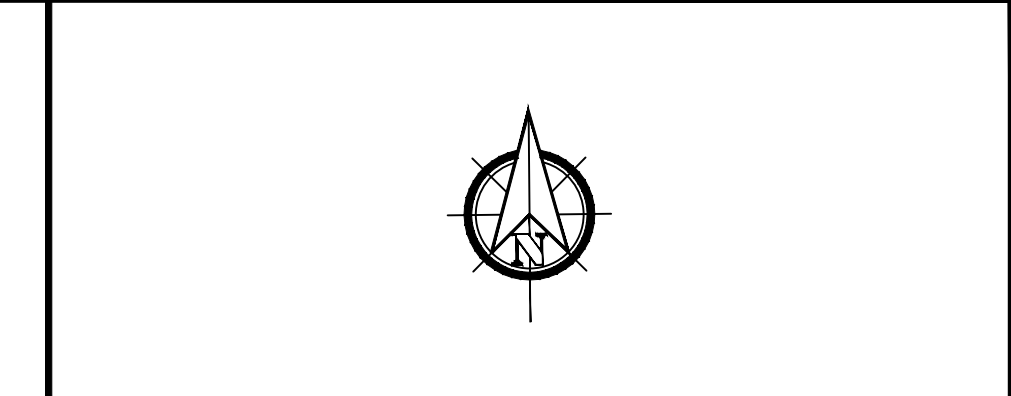
DWG NO.: **C02A** SHEET NO.: **8** YY



PLAN VIEW
 1" = 20'



ALIGNMENT CONTROL
 1" = 20'



GENERAL NOTES

- 1) DEMOLITION NOTES AS REQ'D



**CITY OF FLORENCE
 9TH STREET IMPROVEMENT PHASE 1**

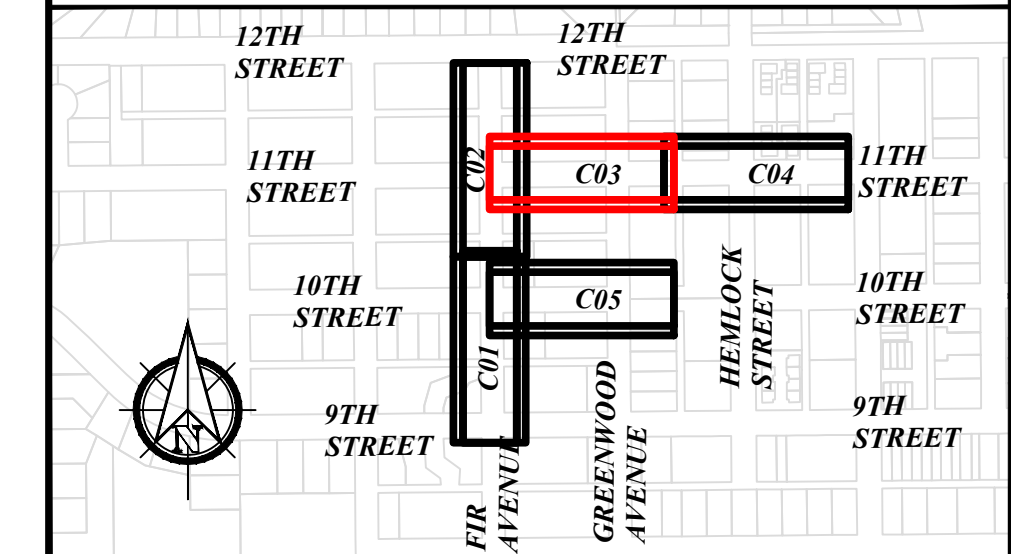
**SITE PREPARATION AND SURVEY
 CONTROL - SHEET 3 OF 5**



DEMOLITION NOTES

- 1 REMOVE ASPHALT
- 2 REMOVE VEGETATION/TREES
- 3 PROPOSED ACP SAWCUT LINE

KEY PLAN



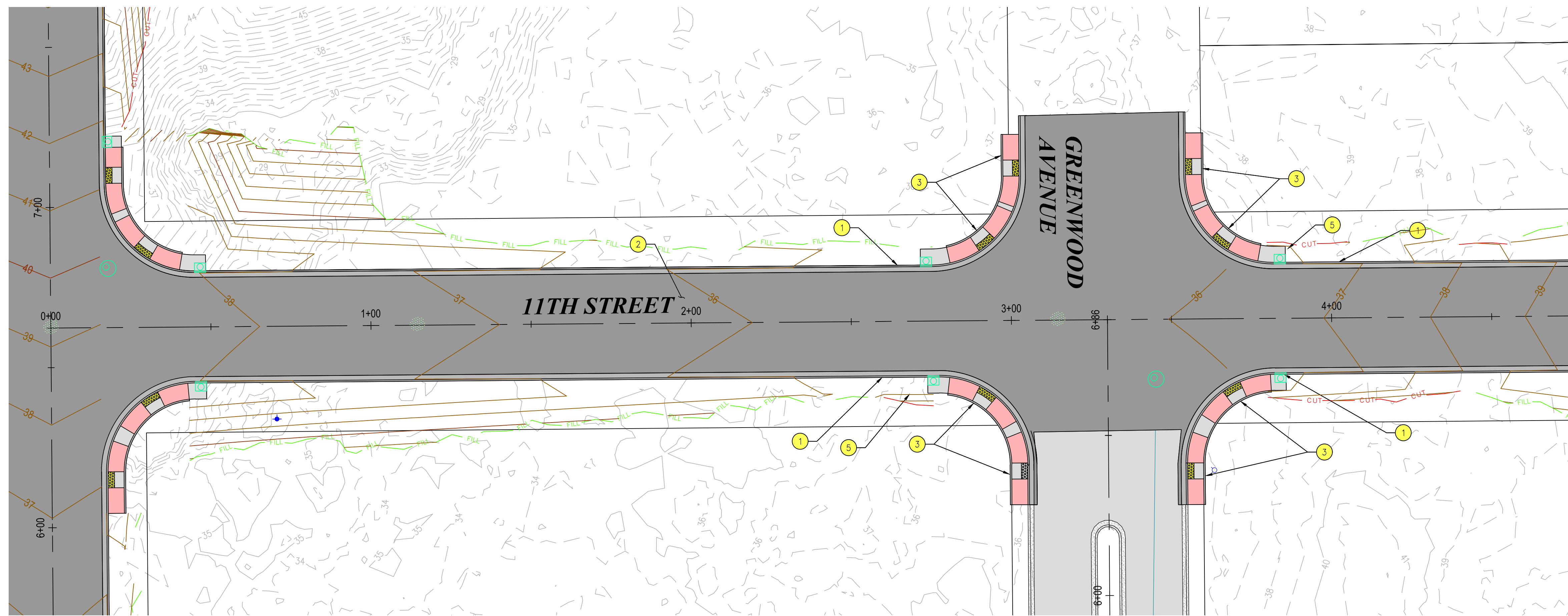
NO.	DATE	DESCRIPTION	BY	REVIEW

REVISIONS
 PRELIMINARY REVIEW
 DRAWINGS

SCALE: SHOWN
 0' 1' 2'

DRAWING IS FULL SCALE WHEN
 BAR MEASURES 2"

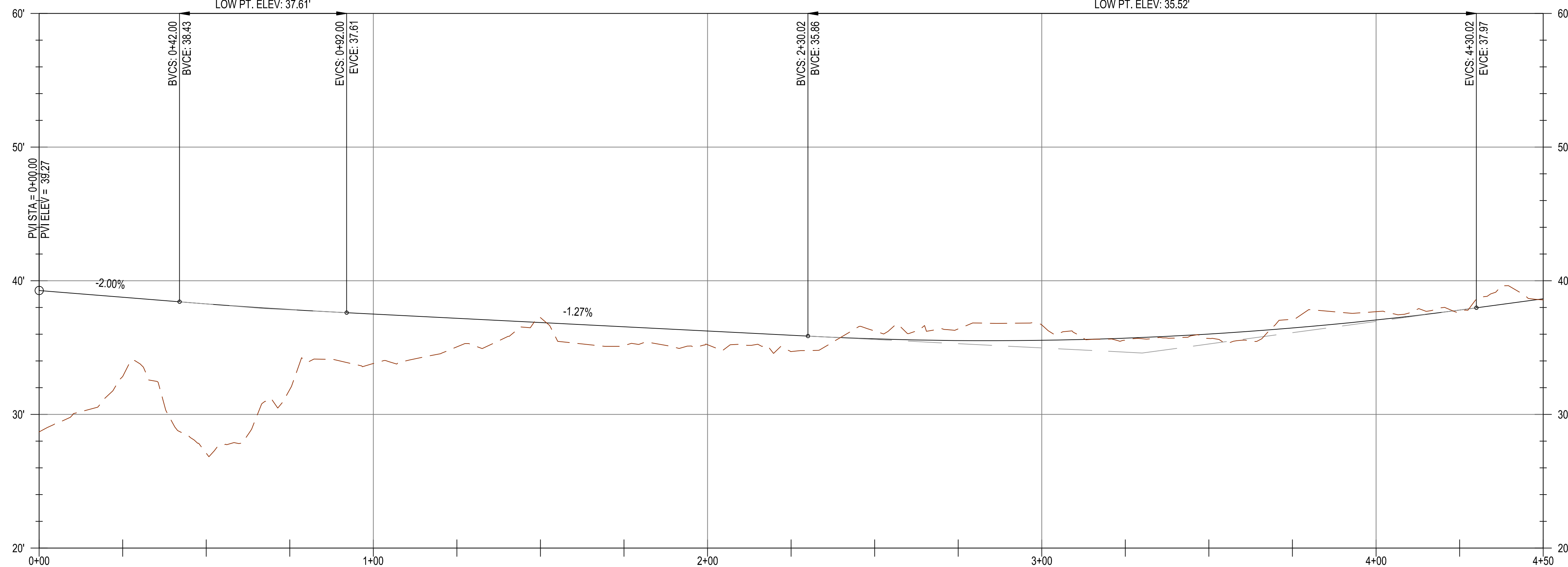
DWG NO.: C03 SHEET NO.: 10 YY



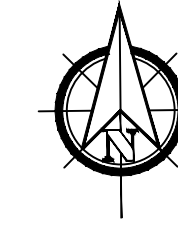
PLAN VIEW
1" = 20'

PVI STA: 0+67.00
PVI ELEV: 37.93
K: 68.04
LVC: 50.00
LOW PT. STA: 0+92.00
LOW PT. ELEV: 37.61'

PVI STA: 3+30.02
PVI ELEV: 34.60
K: 43.08
LVC: 200.00
LOW PT. STA: 2+84.55
LOW PT. ELEV: 35.52'



11TH ALIGN PROFILE
H: 1" = 20' V: 1" = 5'



GENERAL NOTES

- 1) EOP ELEVATIONS REFERENCED IN THE PROFILE VIEWS REPRESENT THE ASPHALT ELEVATION AT THE EDGE OF PAVEMENT. ELEVATIONS ARE PROJECTED THROUGH INTERSECTIONS.
- 2) ALL DRIVEWAY WIDTHS GIVEN IN DESIGN TABLE SHALL BE MEASURED SYMMETRICALLY ABOUT STATION GIVEN IN TABLE AND MEASURED AT FACE OF CURB.
- 3) OTHER GENERAL NOTES.

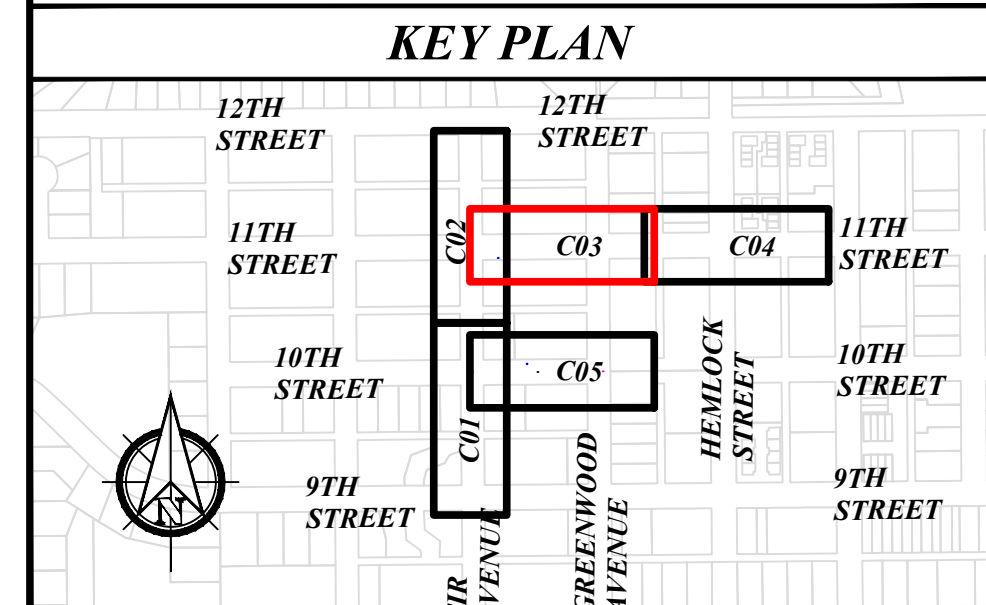
CONSTRUCTION NOTES

- 1 CONSTRUCT CURB AND GUTTER
- 2 CONSTRUCT ACP ROADWAY PER TYPICAL SECTION, SEE D05
- 3 CONSTRUCT CURB RAMP
- 5 CONSTRUCT "STOP" SIGN ASSEMBLY

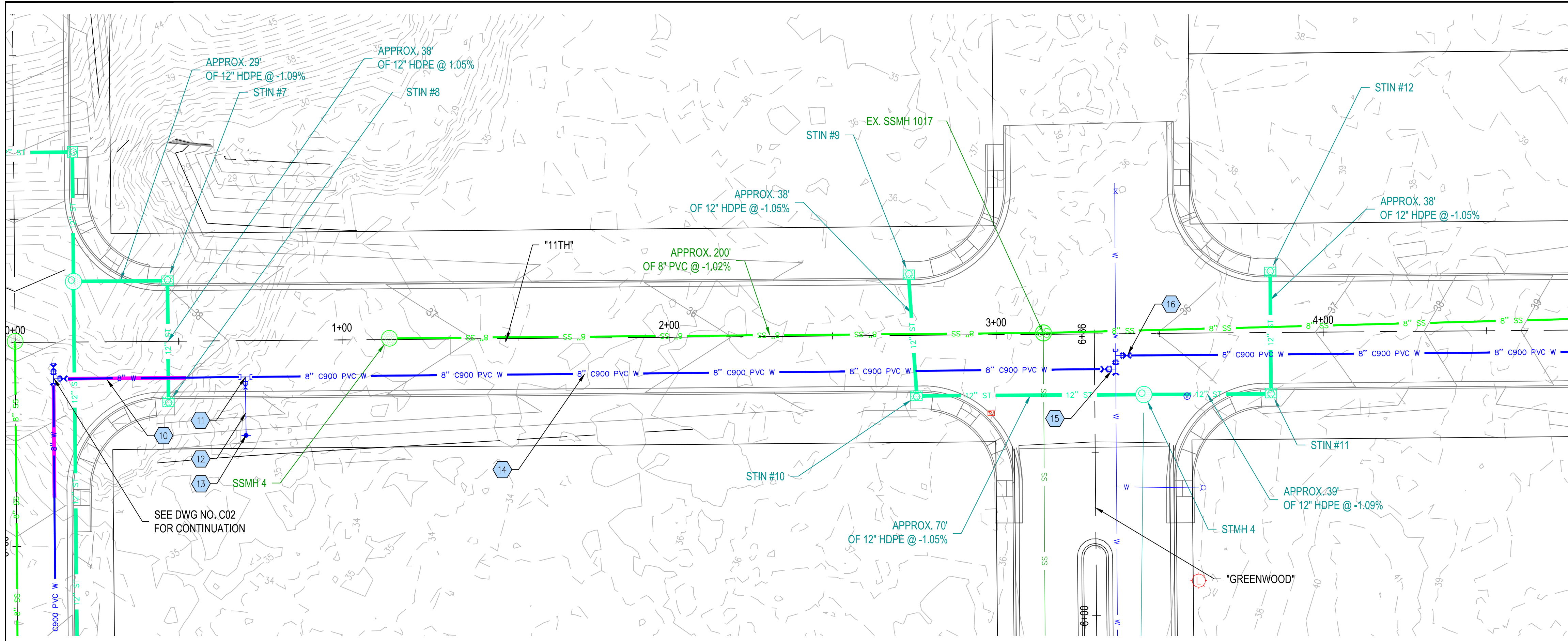


CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

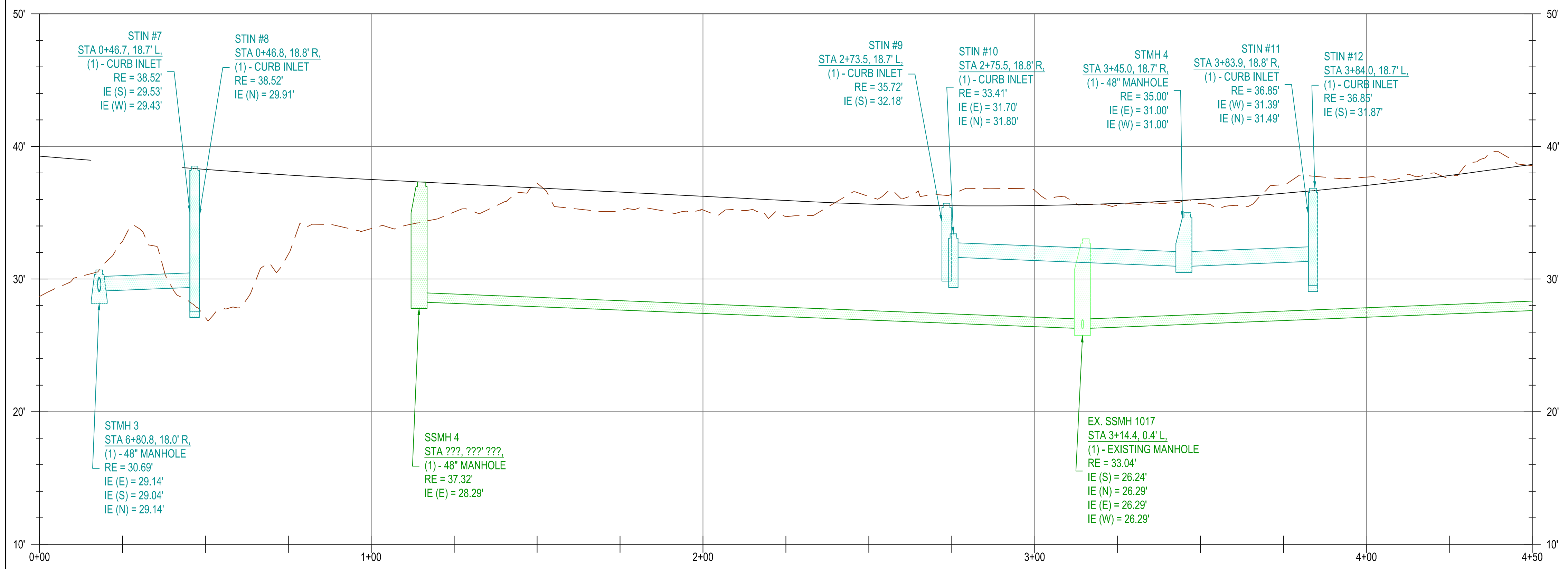
GENERAL CONSTRUCTION -
SHEET 3 OF 5



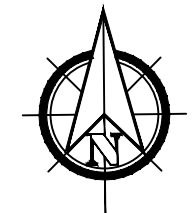
ENGINEER: CJW	DATE: Oct 24, 2024	CLIENT: FLO	JOB NO.: 024-0115
REVIEWER: KAL	DATE: Oct 24, 2024	FILENAME: NIMP-P-CIV.DWG	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
		PRELIMINARY REVIEW DRAWINGS	
SCALE: SHOWN			
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"			
DWG NO.: C03A	SHEET NO.: 11		



PLAN VIEW
1" = 20'



PROFILE VIEW
H: 1" = 20', V: 1" = 5'


UTILITY NOTES

WATERMAIN PIPE AND FITTING NOTES

- 14 APPROX 268 LF OF 8" DI PIPE
- 15 APPROX. STA 3+36.511, 8.7' R:
(2) - 8" DI SPOOL (PEXPE)
(1) - 8" DI TEE (RJRJ)
(1) - 8" GATE VALVE (RJRJ)
(1) - CONNECTION TO EXISTING
- 16 APPROX. STA 3+36.511, 6.7' R:
(1) - 8" DI TEE (RJRJ)
(1) - 8" DI SPOOL (PEXPE)
(1) - 8" GATE VALVE (RJRJ)
(1) - CONNECTION TO EXISTING

SERVICE NOTES

KEY PLAN

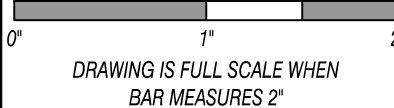

 REGISTERED PROFESSIONAL
 ENGINEER
PRELIMINARY
 OREGON
 JULY 12, 2018
 KRISTOPHER A. LILLE
 EXPIRES: 12/31/2024

CITY OF FLORENCE
 9TH STREET IMPROVEMENT PHASE 1

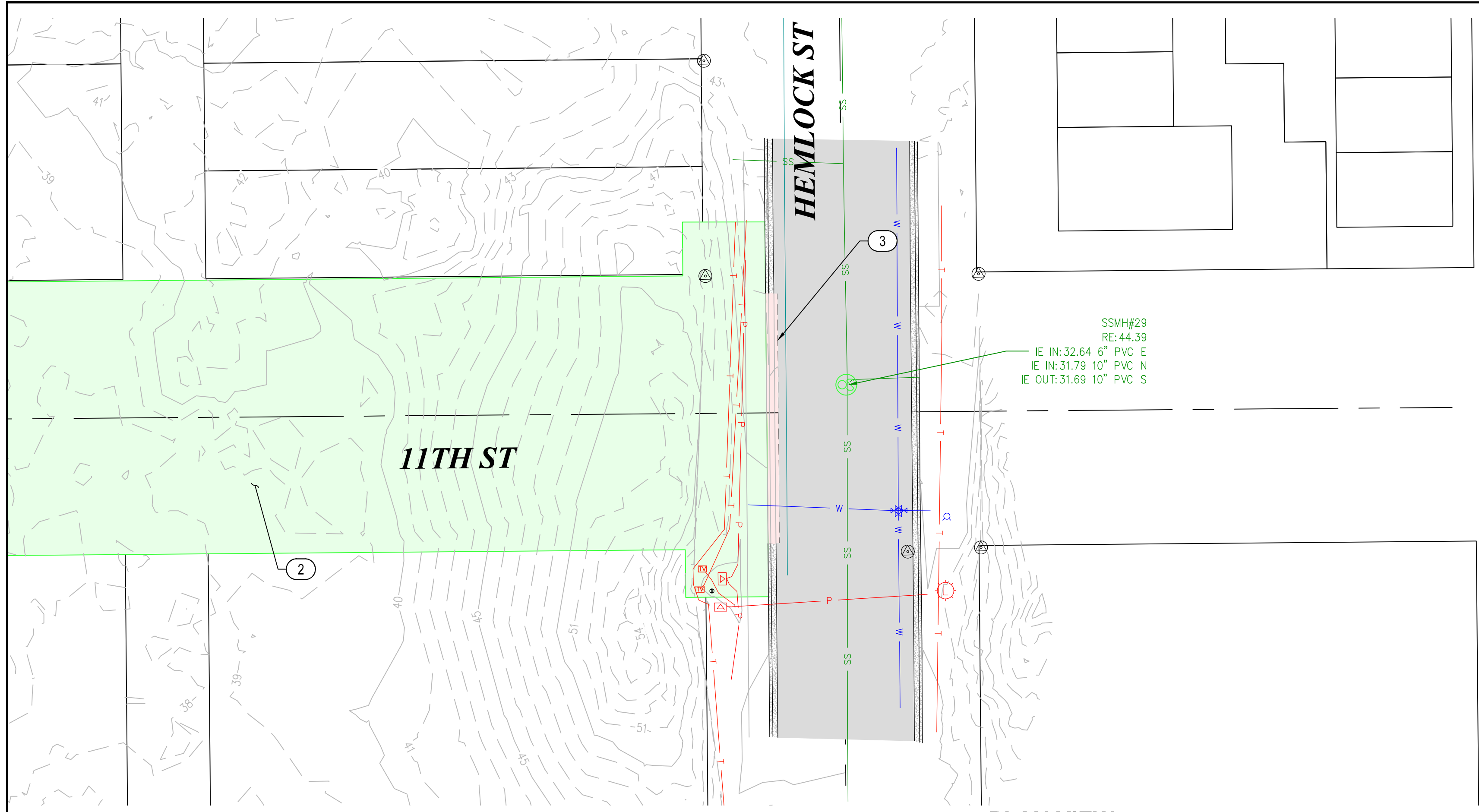
UTILITY PLAN - SHEET 3 OF 5

NO.	DATE	DESCRIPTION	BY	REVIEW

REVISIONS
 PRELIMINARY REVIEW
 DRAWINGS

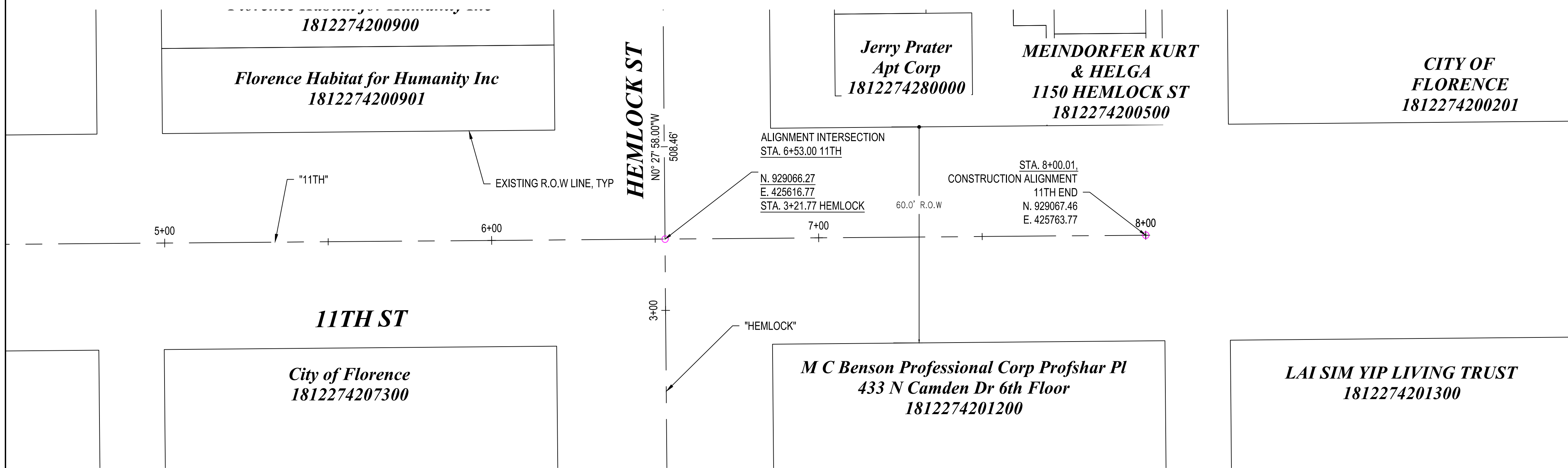
SCALE: SHOWN

 DRAWING IS FULL SCALE WHEN
 BAR MEASURES 2"

DWG NO.: **C03B** SHEET NO.: **12** YY

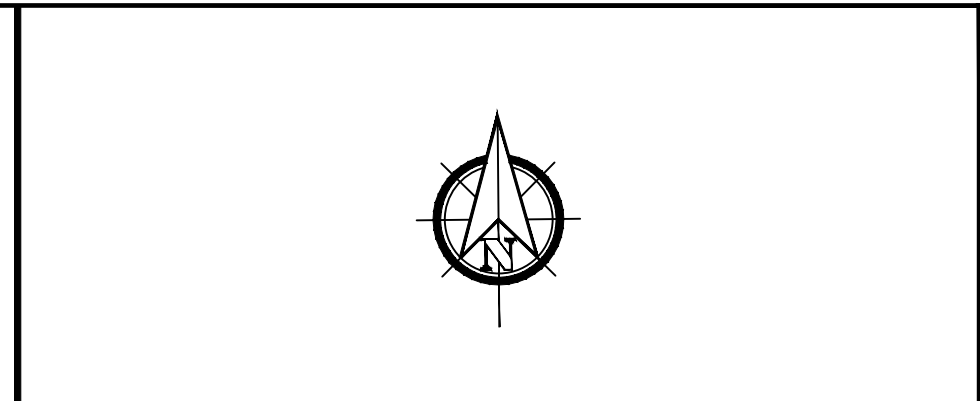


PLAN VIEW
1" = 20'

SSM#429
RE: 44.39
IE IN: 32.64 6" PVC E
IE IN: 31.79 10" PVC N
IE OUT: 31.69 10" PVC S



ALIGNMENT CONTROL
1" = 20'



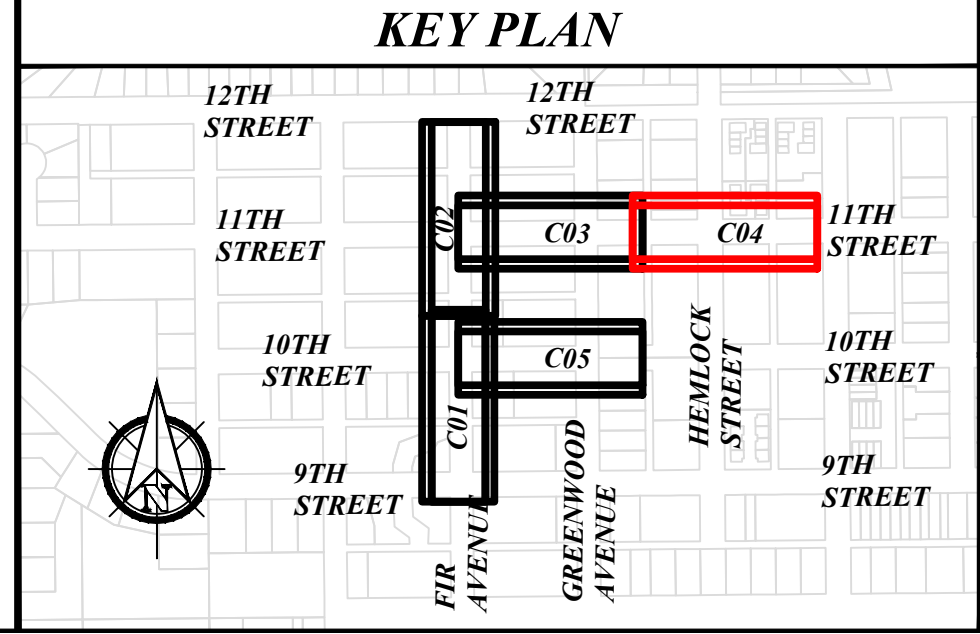
GENERAL NOTES

1) DEMOLITION NOTES AS REQ'D

DEMOLITION NOTES

① REMOVE ASPHALT
② REMOVE VEGETATION/TREES
③ PROPOSED ACP SAWCUT LINE

NO.	DATE	DESCRIPTION	BY	REVIEW
REVISIONS				





REGISTERED PROFESSIONAL
ENGINEER
85045
PRELIMINARY
OREGON
JULY 12, 2018
KRISTOPHERA LILLIE
EXPIRES: 12/31/2024

CITY OF FLORENCE

9TH STREET IMPROVEMENT PHASE 1

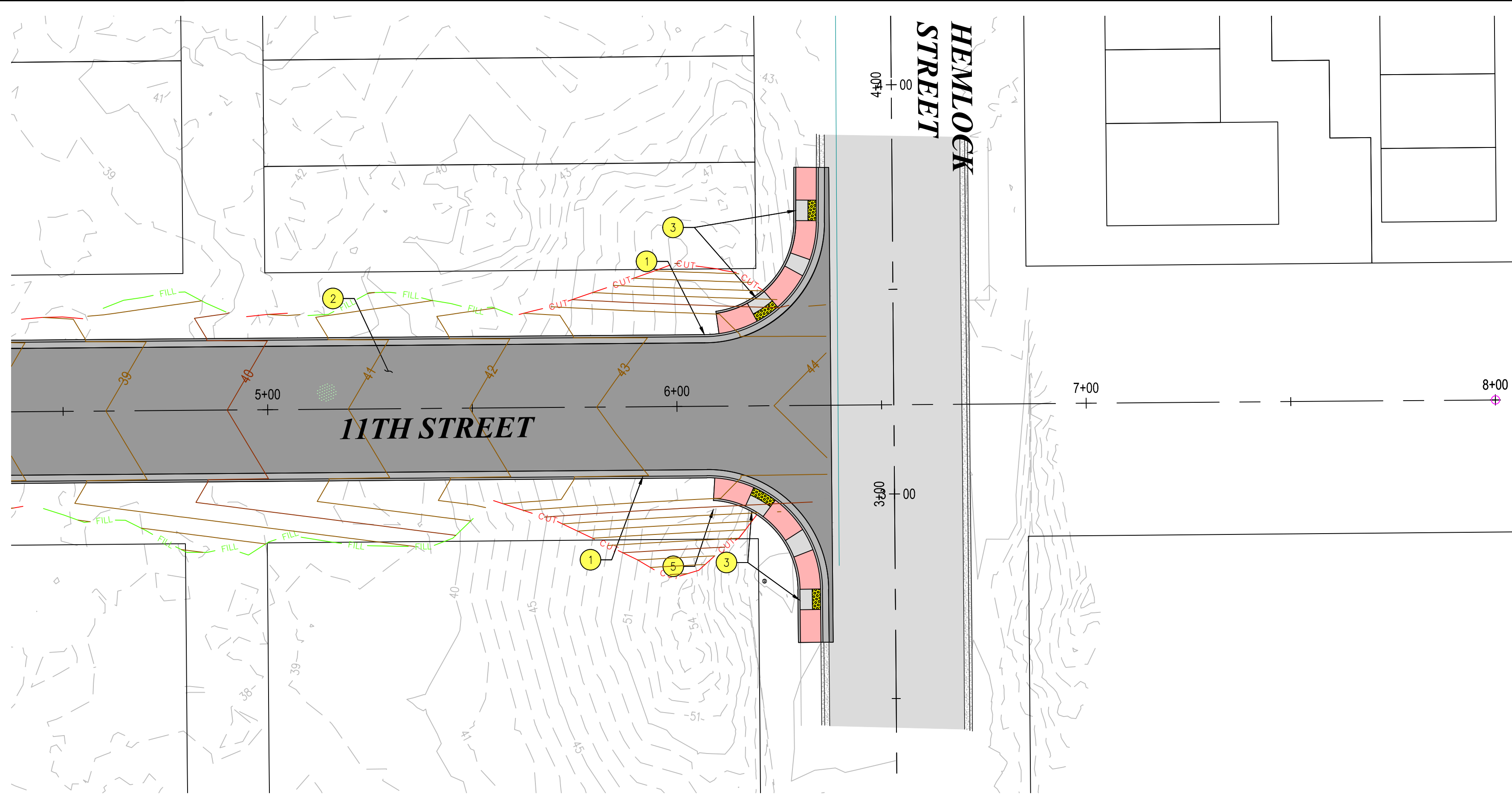
SITE PREPARATION AND SURVEY CONTROL - SHEET 4 OF 5

ENGINEER: CWJ	DATE: Oct 24, 2024	JOB NO.: 024-0115	
REVIEWED: KAL	DATE: Oct 24, 2024	CLIENT: FLO	FILENAME: NIMP-P-PRP.DWG

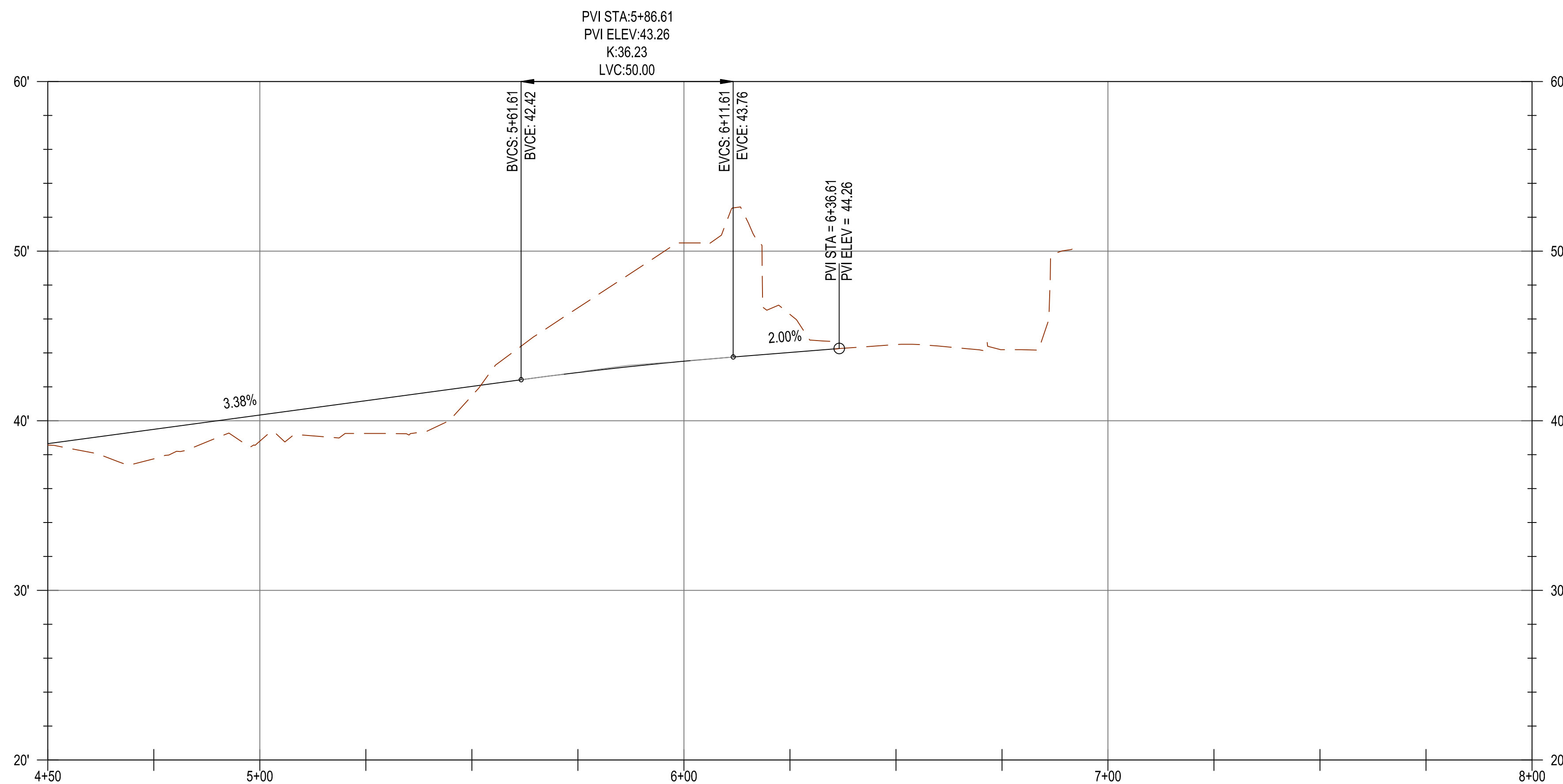
DWG NO.: C04

SHEET NO.: 13

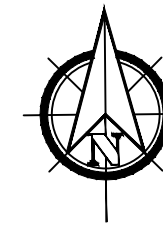
YY



PLAN VIEW
1" = 20'



11TH ALIGN PROFILE
H: 1" = 20' V: 1" = 5'



GENERAL NOTES

- 1) EOP ELEVATIONS REFERENCED IN THE PROFILE VIEWS REPRESENT THE ASPHALT ELEVATION AT THE EDGE OF PAVEMENT. ELEVATIONS ARE PROJECTED THROUGH INTERSECTIONS.
- 2) ALL DRIVEWAY WIDTHS GIVEN IN DESIGN TABLE SHALL BE MEASURED SYMMETRICALLY ABOUT STATION GIVEN IN TABLE AND MEASURED AT FACE OF CURB.
- 3) OTHER GENERAL NOTES.

CONSTRUCTION NOTES

- 1 CONSTRUCT CURB AND GUTTER
- 2 CONSTRUCT ACP ROADWAY PER TYPICAL SECTION, SEE D05
- 3 CONSTRUCT CURB RAMP
- 5 CONSTRUCT "STOP" SIGN ASSEMBLY



EXPIRES: 12/31/2024

CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

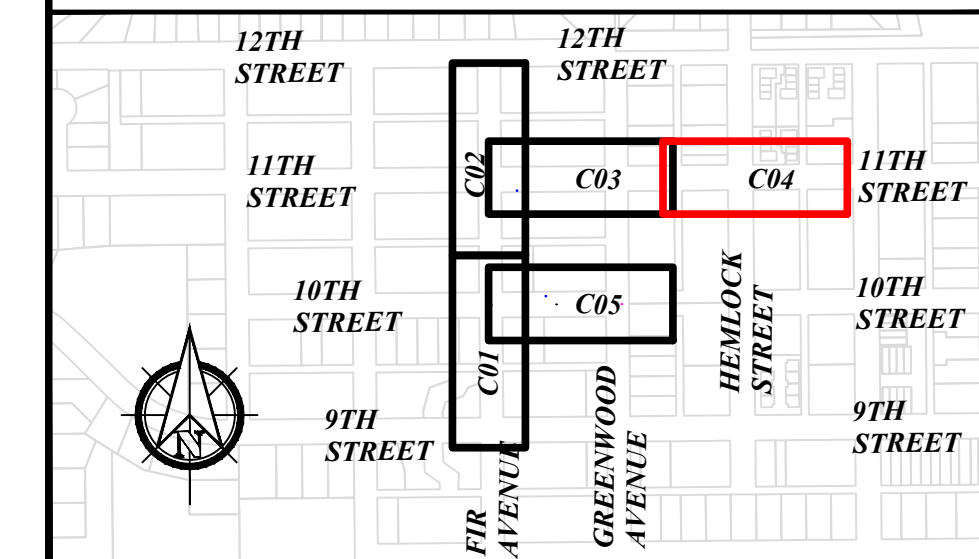
GENERAL CONSTRUCTION -
SHEET 4 OF 5

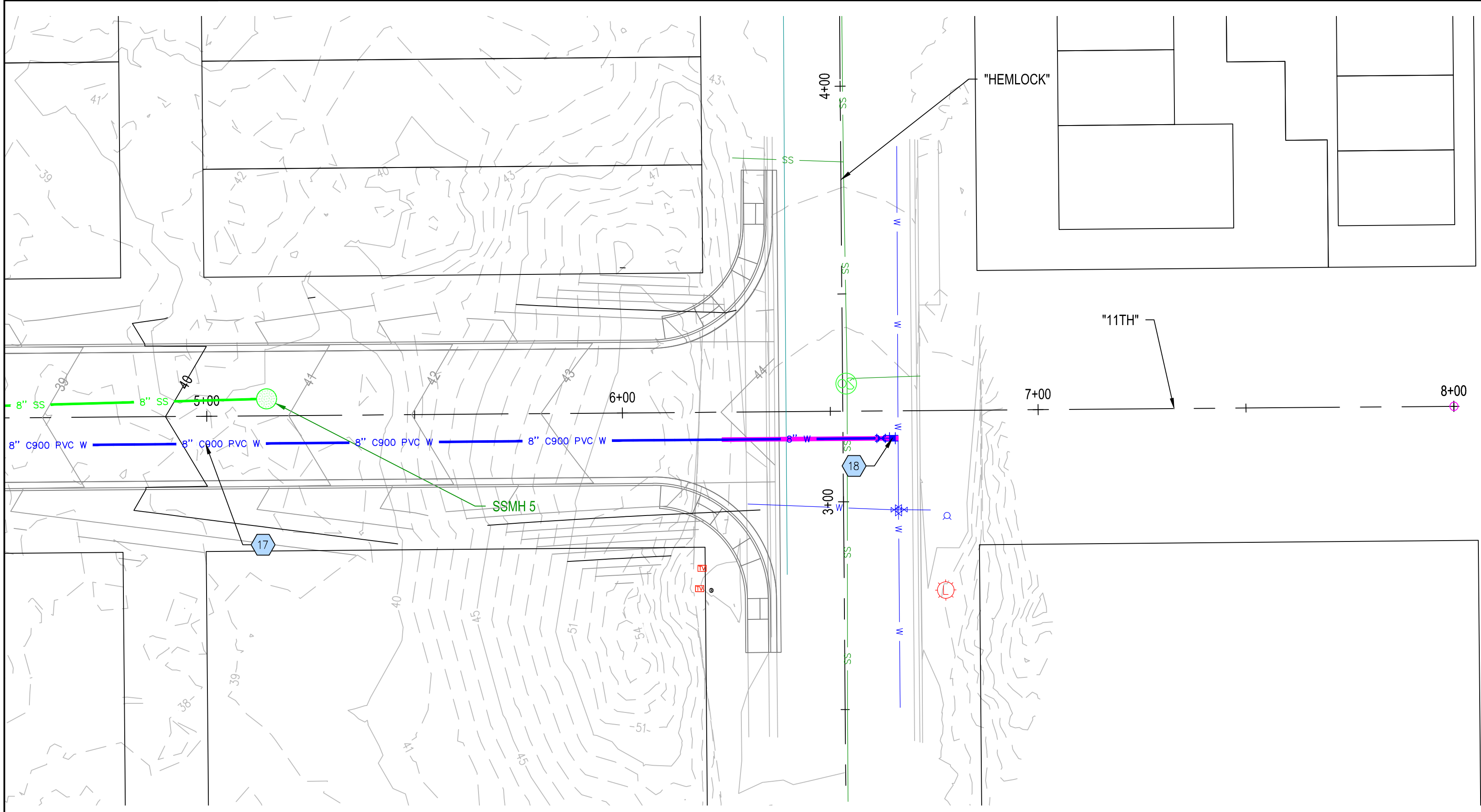


NO.	DATE	DESCRIPTION	BY	REVIEW

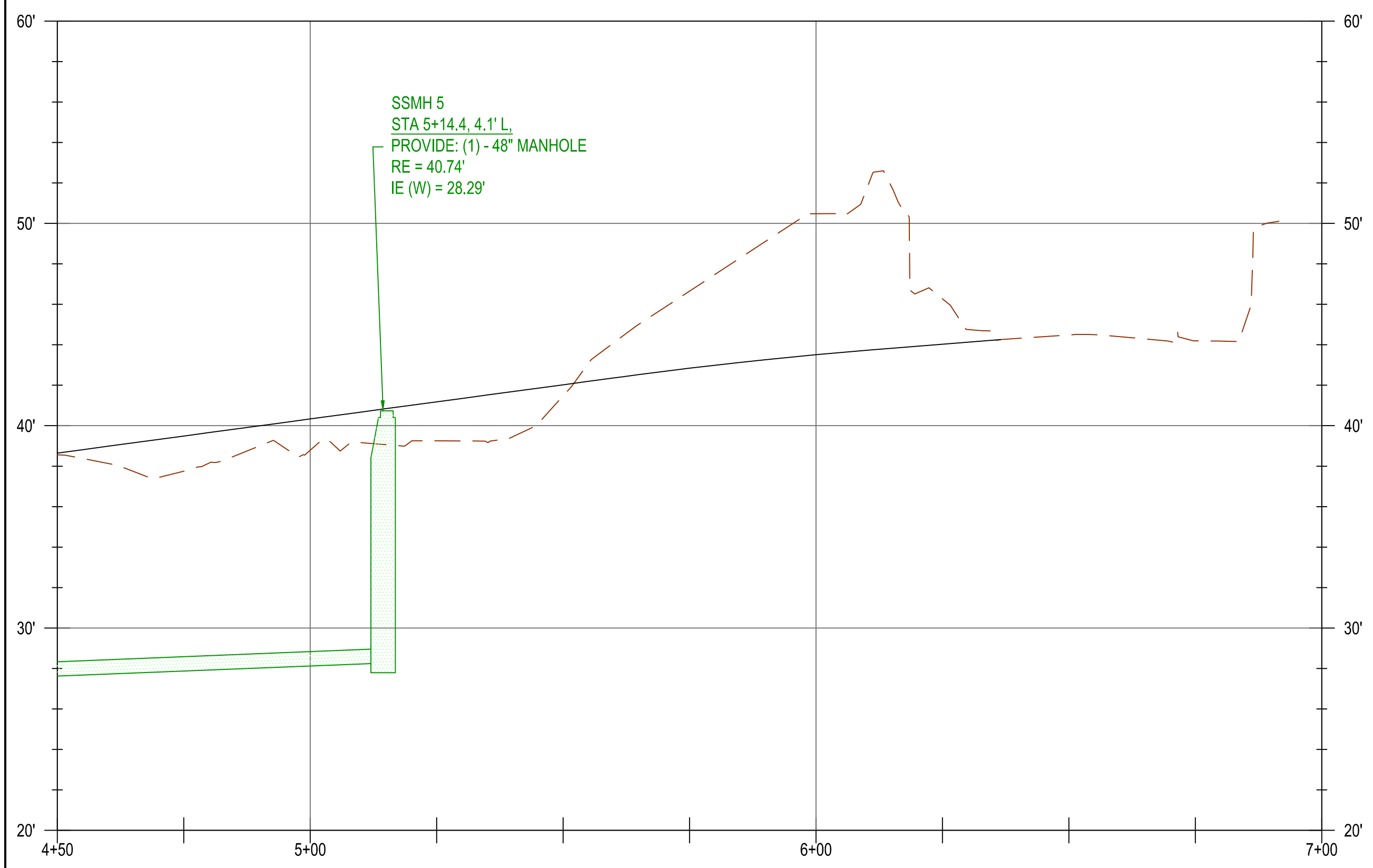
ENGINEER: CJW
REVIEWED: KAL
DATE: 08/24/2024
SCALE: SHOWN
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"
DWG NO.: C04A
SHEET NO.: 14
YY

KEY PLAN

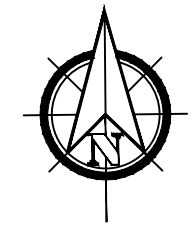




PLAN VIEW
1" = 20'



PROFILE VIEW
H: 1"=20', V: 1"=5'



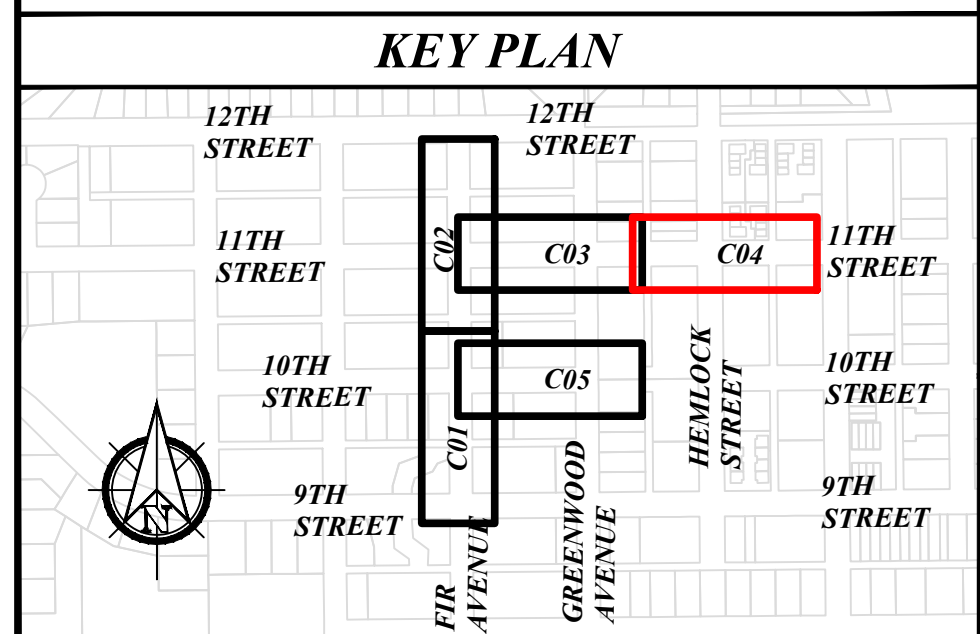
UTILITY NOTES

WATERMAIN PIPE AND FITTING NOTES

- 18 APPROX. STA 6+66.311, 6.6' R:
- (1) - CONNECTION TO EXISTING
- (1) - 8" DI COUPLING
- (1) - 8" DI SPOOL (PEXPE)
- (1) - 8" GATE VALVE (RJRJ)

SERVICE NOTES

1



REGISTERED PROFESSIONAL ENGINEER
85045
PRELIMINARY
OREGON
JULY 12, 2018
KRISTOPHERA LILLE
EXPIRES: 12/31/2024

CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

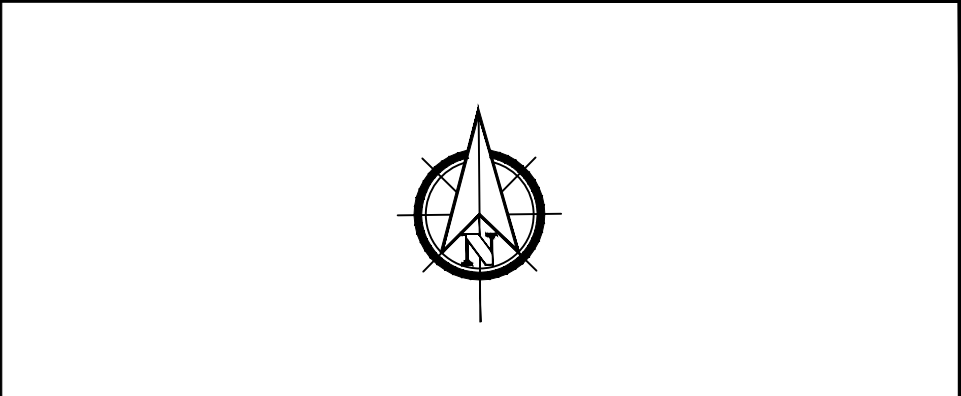
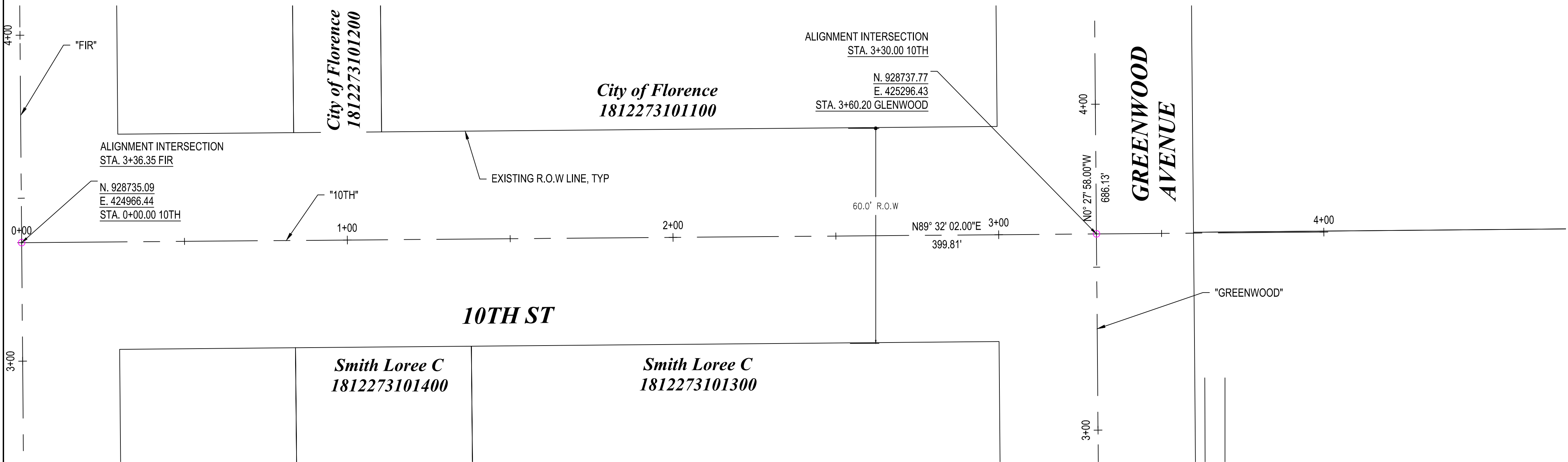
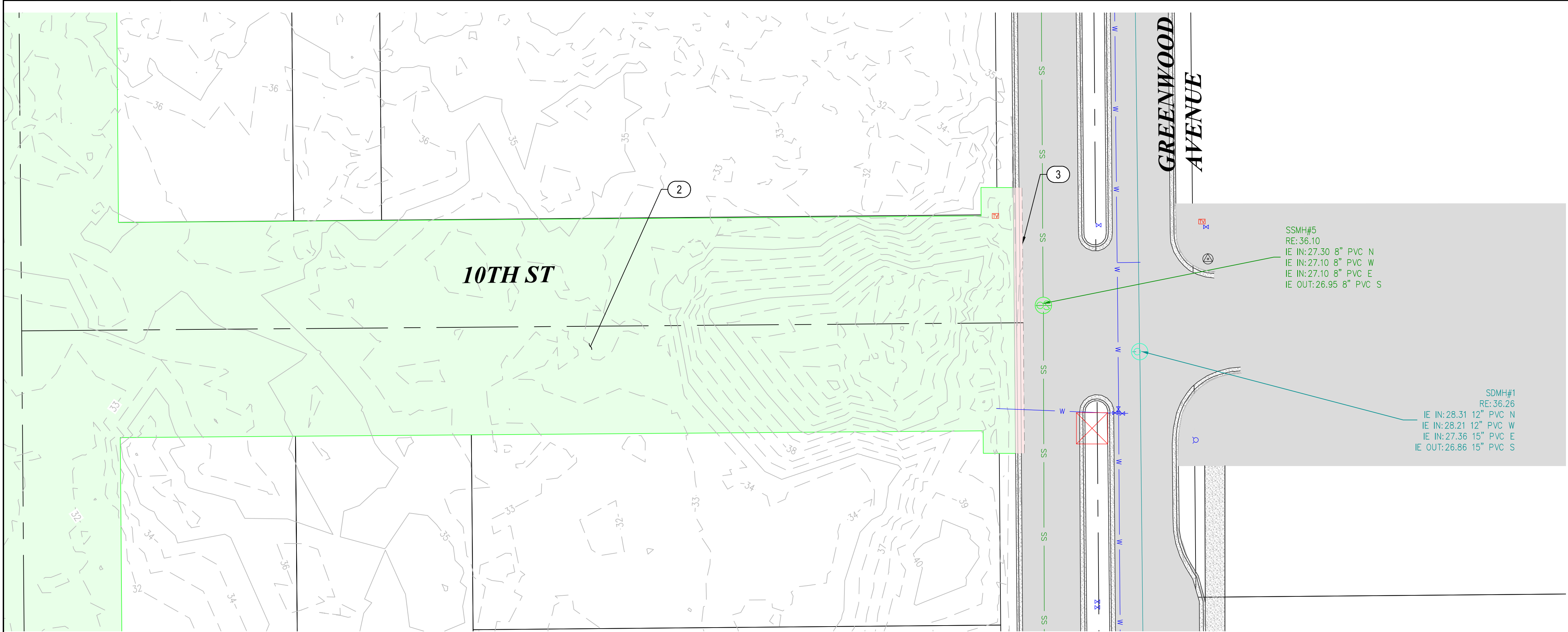
UTILITY PLAN - SHEET 4 OF 5

NO.	DATE	DESCRIPTION	BY	REVIEW
REVISIONS				
PRELIMINARY REVIEW DRAWINGS				

SCALE: SHOWN

DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO.: **C04B** SHEET NO.: **15** YY



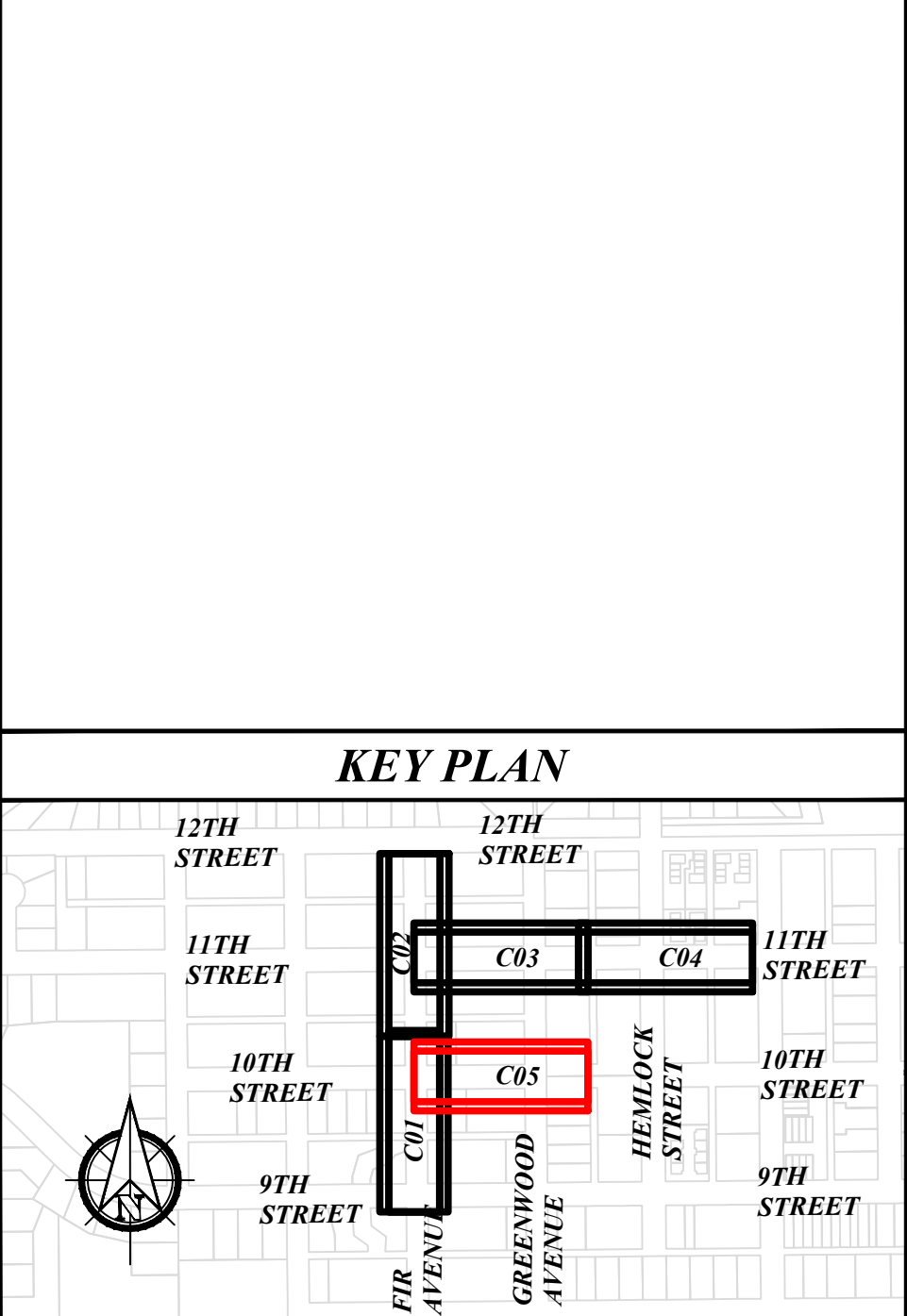
GENERAL NOTES

1) DEMOLITION NOTES AS REQ'D

DEMOLITION NOTES

- ① REMOVE ASPHALT
- ② REMOVE VEGETATION/TREES
- ③ PROPOSED ACP SAWCUT LINE

KEY PLAN

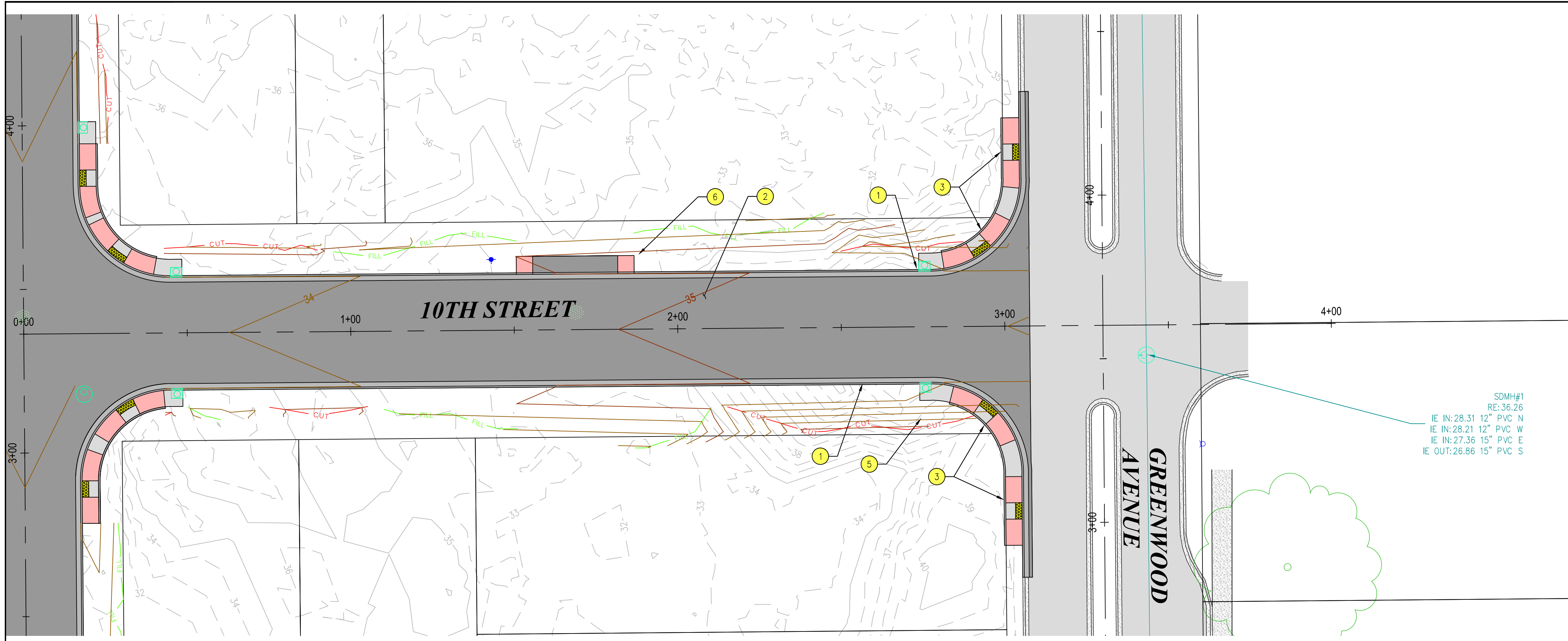


REGISTERED PROFESSIONAL ENGINEER
85045
PRELIMINARY
OREGON
JULY 12, 2018
KRISTOPHERA LILLIE
EXPIRES: 12/31/2024

CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1
SITE PREPARATION AND SURVEY CONTROL - SHEET 5 OF 5

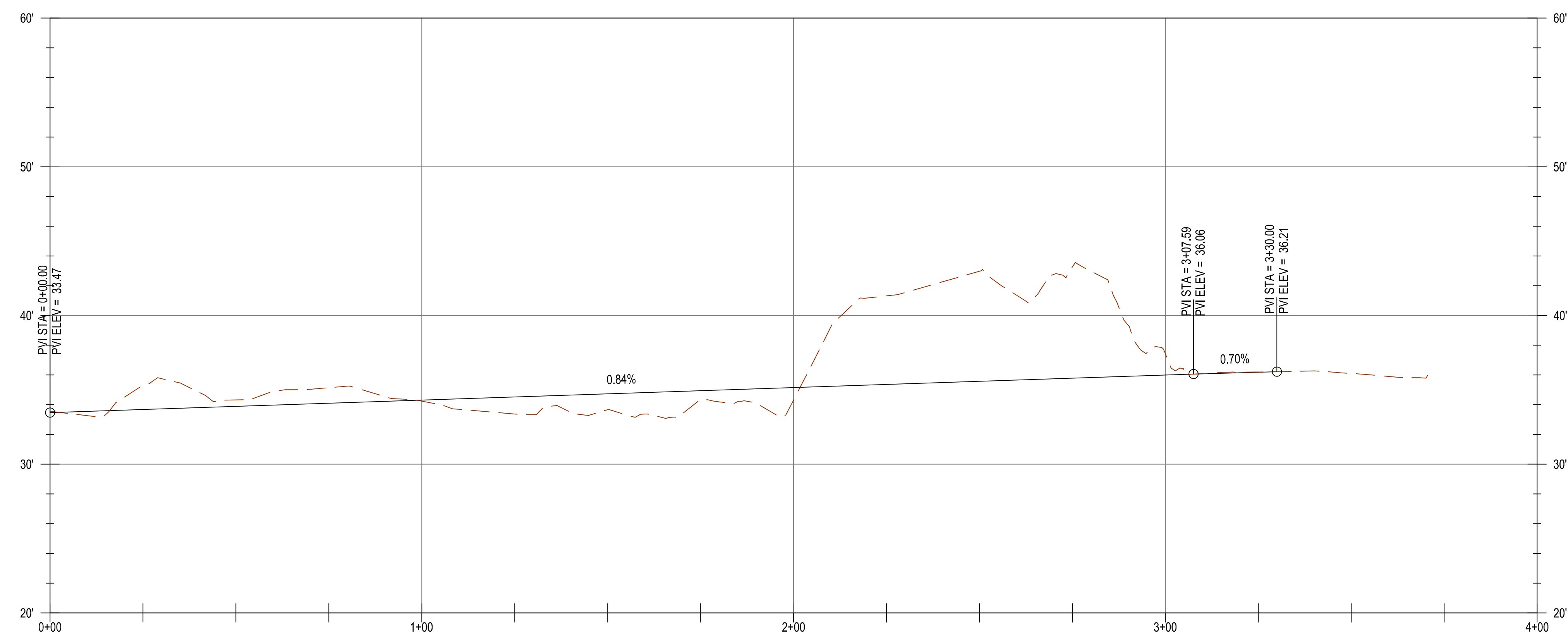
NO.	DATE	DESCRIPTION	BY	REVIEW
REVISIONS				
PRELIMINARY REVIEW DRAWINGS				

ENGINEER: CWJ
REVIEWED: KAL
DATE: 04/24/2024
JOB NO.: 024-0115
CLIENT: FLO
FILENAME: N1P-P-PRP.DWG

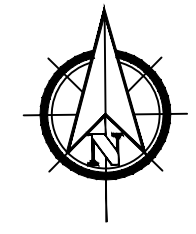


PLAN VIEW
1" = 20'

SDMH#1
RE: 36.26
IE IN: 28.31 12" PVC N
IE IN: 28.21 12" PVC W
IE IN: 27.36 15" PVC E
IE OUT: 26.86 15" PVC S



10TH ALIGN PROFILE
H: 1" = 20' V: 1" = 5'



GENERAL NOTES

- 1) EOP ELEVATIONS REFERENCED IN THE PROFILE VIEWS REPRESENT THE ASPHALT ELEVATION AT THE EDGE OF PAVEMENT. ELEVATIONS ARE PROJECTED THROUGH INTERSECTIONS.
- 2) ALL DRIVEWAY WIDTHS GIVEN IN DESIGN TABLE SHALL BE MEASURED SYMMETRICALLY ABOUT STATION GIVEN IN TABLE AND MEASURED AT FACE OF CURB.
- 3) OTHER GENERAL NOTES.

CONSTRUCTION NOTES

- 1 CONSTRUCT CURB AND GUTTER
- 2 CONSTRUCT ACP ROADWAY PER TYPICAL SECTION, SEE D05
- 3 CONSTRUCT CURB RAMP
- 5 CONSTRUCT "STOP" SIGN ASSEMBLY
- 6 CONSTRUCT DRIVEWAY PER ODOT STANDARD DRAWINGS

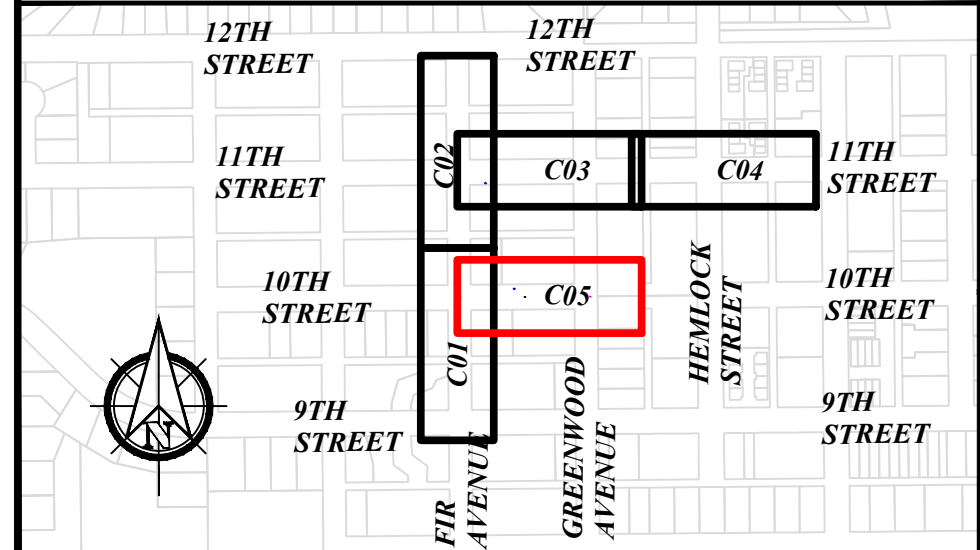


CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

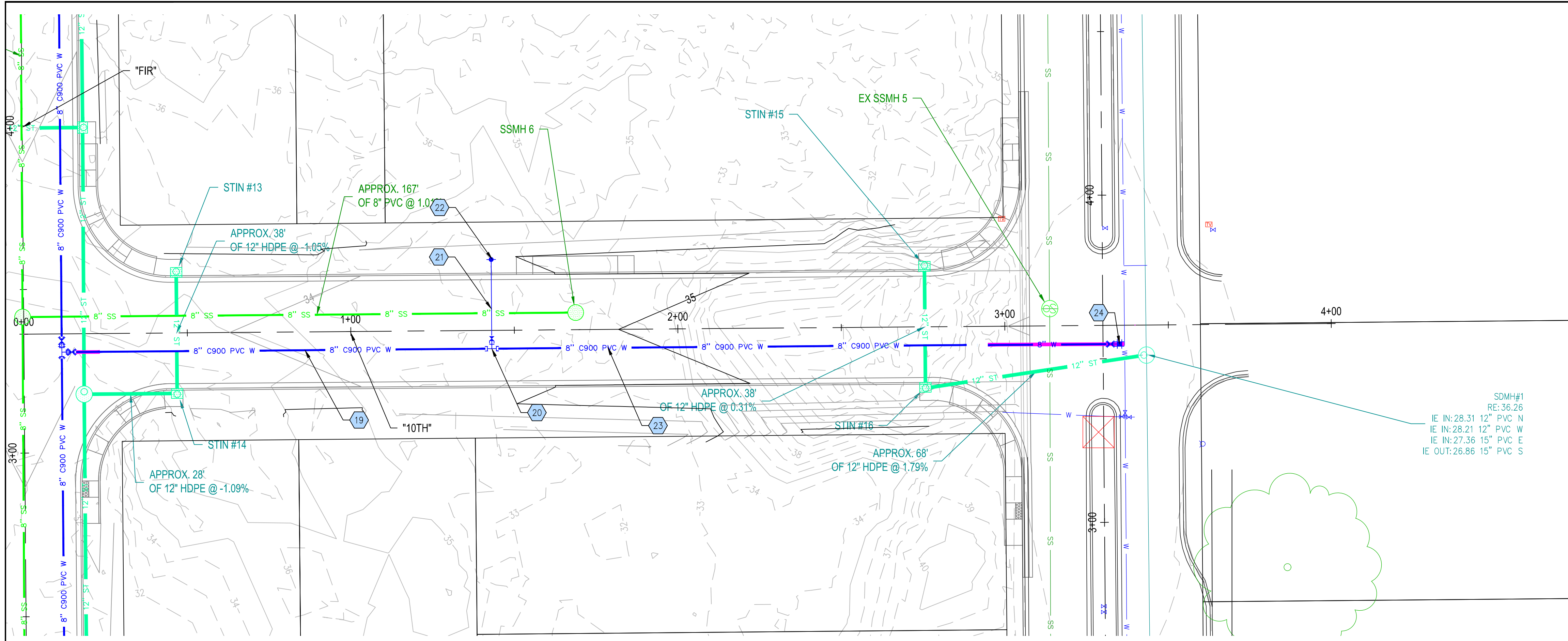
GENERAL CONSTRUCTION - SHEET 5 OF 5



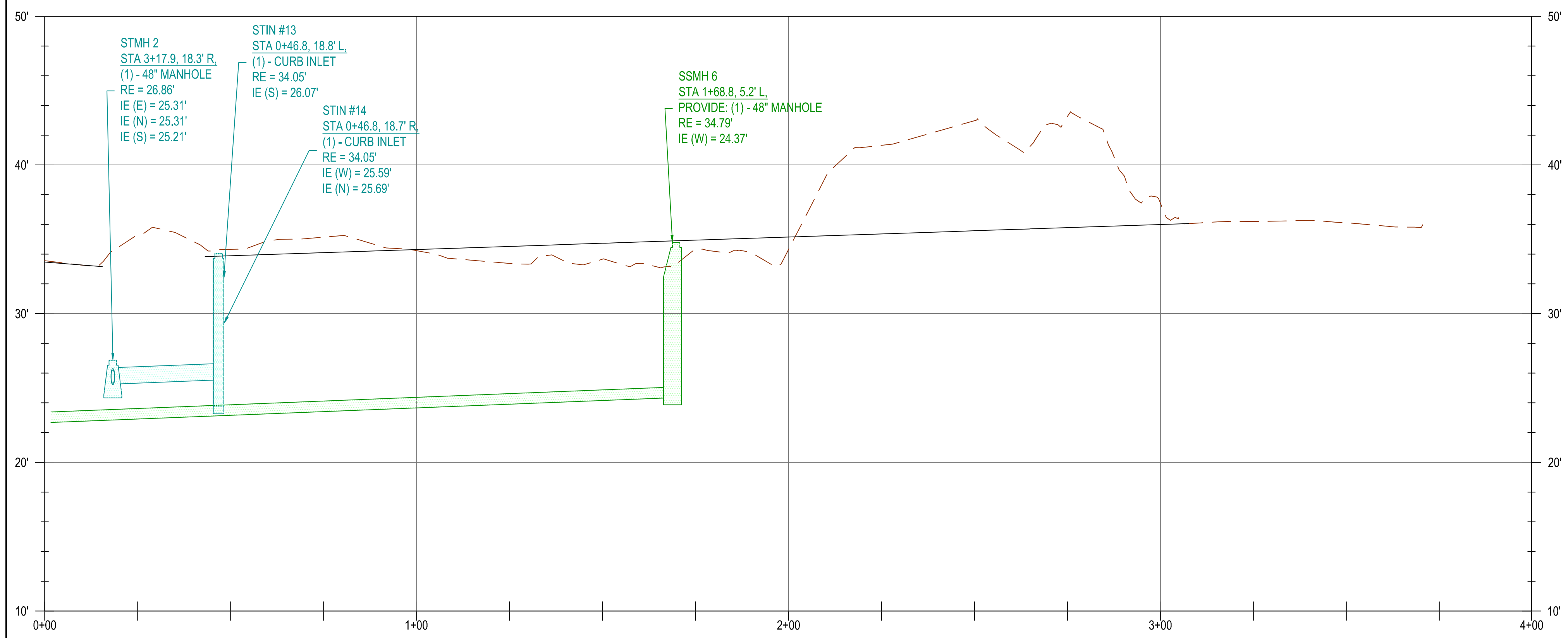
KEY PLAN



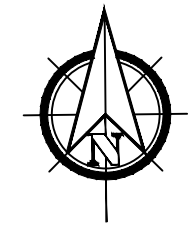
ENGINEER: CJW	DATE: Oct 24, 2024	CLIENT: FLO	JOB NO.: 024-0115
REVIEWED: KAL	DATE: Oct 24, 2024	FILENAME: NIMP-P-CIV.DWG	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
		PRELIMINARY REVIEW DRAWINGS	
SCALE: SHOWN			
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"			
DWG NO.: C05A	SHEET NO.: 17	YY	



PLAN VIEW
1" = 20'



PROFILE VIEW
H: 1"=20', V: 1"=5'



UTILITY NOTES

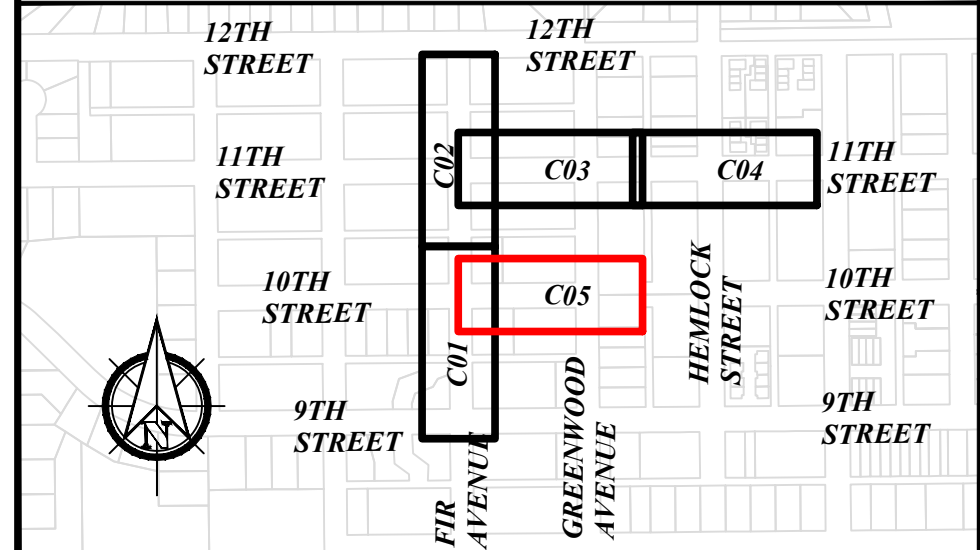
WATERMAIN PIPE AND FITTING NOTES

- 18 APPROX 121 LF OF 8" DI PIPE
- 20 APPROX. STA 1+43.110, 5.6' R:
(1) - 8" x 6" DI TEE (MJxFL)
(1) - 6" DI SPOOL (PEXPE)
(1) - 8" GATE VALVE (FLxMJ)
- 21 APPROX 27 LF OF DI PIPE
- 22 APPROX. STA 1+43.110, 21.7' L:
(1) - FIRE HYDRANT ASSEMBLY
- 23 APPROX 145 LF OF 8" DI PIPE
- 24 APPROX. STA 3+36.410, 5.8' R:
(1) - CONNECTION TO EXISTING
(1) - 8" DI COUPLING
(1) - 8" DI SPOOL (PEXPE)
(1) - 8" GATE VALVE (RJRJR)

SERVICE NOTES

1

KEY PLAN



RH2

REGISTERED PROFESSIONAL ENGINEER
85045
PRELIMINARY
OREGON
JULY 12, 2018
KRISTOPHERA LILLIE
EXPIRES: 12/31/2024

CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1

UTILITY PLAN - SHEET 5 OF 5

NO.	DATE	DESCRIPTION	BY	REVIEW
1				

REVISIONS
PRELIMINARY REVIEW
DRAWINGS

ENGINEER: CJW
REVIEWED: KAL

SCALE: SHOWN
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO.: C05B
SHEET NO.: 18
YY

TYPICAL STANDARD CURB & GUTTER

TYPICAL WIDE CURB & GUTTER

TYPICAL VERTICAL (STRAIGHT) CURB

CITY OF FLORENCE STANDARD DRAWING

CURB AND GUTTER

DATE: REV-10-25-12 DRAWING NO: F-203

FILENAME: F-203.DWG

NON-SYMMETRICAL "V" GUTTER

SYMMETRICAL "V" TYPE GUTTER

WIDE VALLEY GUTTER

CITY OF FLORENCE STANDARD DRAWING

CONCRETE VALLEY GUTTER

DATE: MARCH 2007 DRAWING NO: F-204

FILENAME: F-204.DWG

VALLEY GUTTER ACROSS INTERSECTION

SECTION "A-A"

PLAN VIEW

COMMERCIAL DRIVEWAY APPROACH

CITY OF FLORENCE STANDARD DRAWING

INTERSECTION AND COMMERCIAL DRIVEWAYS

DATE: MARCH 2007 DRAWING NO: F-207

FILENAME: F-207.DWG

TYPICAL ISOLATION (EXPANSION) JOINT

TYPICAL ISOLATION (EXPANSION) JOINT WITH DOWEL

TYPICAL CONTRACTION JOINT

CITY OF FLORENCE STANDARD DRAWING

PC CONCRETE PAVEMENT JOINTS

DATE: MARCH 2007 DRAWING NO: F-210

FILENAME: F-210.DWG

CITY OF FLORENCE STANDARD DRAWING

STREET CUT

DATE: MAY-2011 DRAWING NO: F-213

FILENAME: F-213.DWG

CITY OF FLORENCE STANDARD DRAWING

SURVEY MONUMENT BOX

DATE: MARCH 2007 DRAWING NO: F-215

FILENAME: F-215.DWG

CITY OF FLORENCE STANDARD DRAWING

STREET NAME AND STOP SIGN INSTALLATION LOCATIONS

DATE: MARCH 2007 DRAWING NO: F-217

FILENAME: F-217.DWG

CITY OF FLORENCE STANDARD DRAWING

SIGN DETAIL

DATE: MARCH 2007 DRAWING NO: F-217b

FILENAME: F-217b.DWG

RH2

REGISTERED PROFESSIONAL ENGINEER
85045
PRELIMINARY
OREGON
JULY 12, 2008
KRISTOPHER A. JILLE
EXPIRES: 12/31/2024

CITY OF FLORENCE

9TH STREET IMPROVEMENT PHASE 1

DETAILS - SHEET 1 OF 5

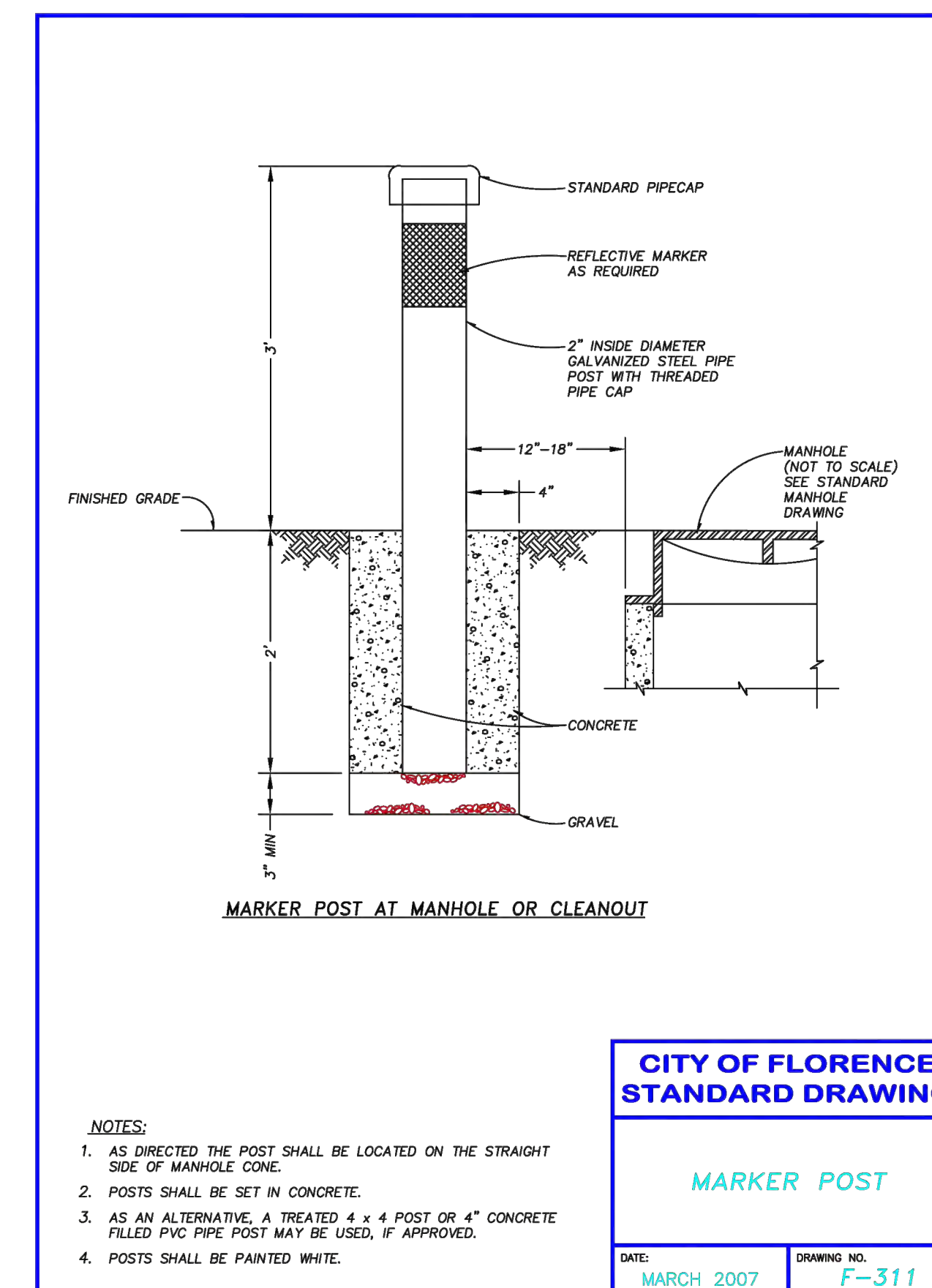
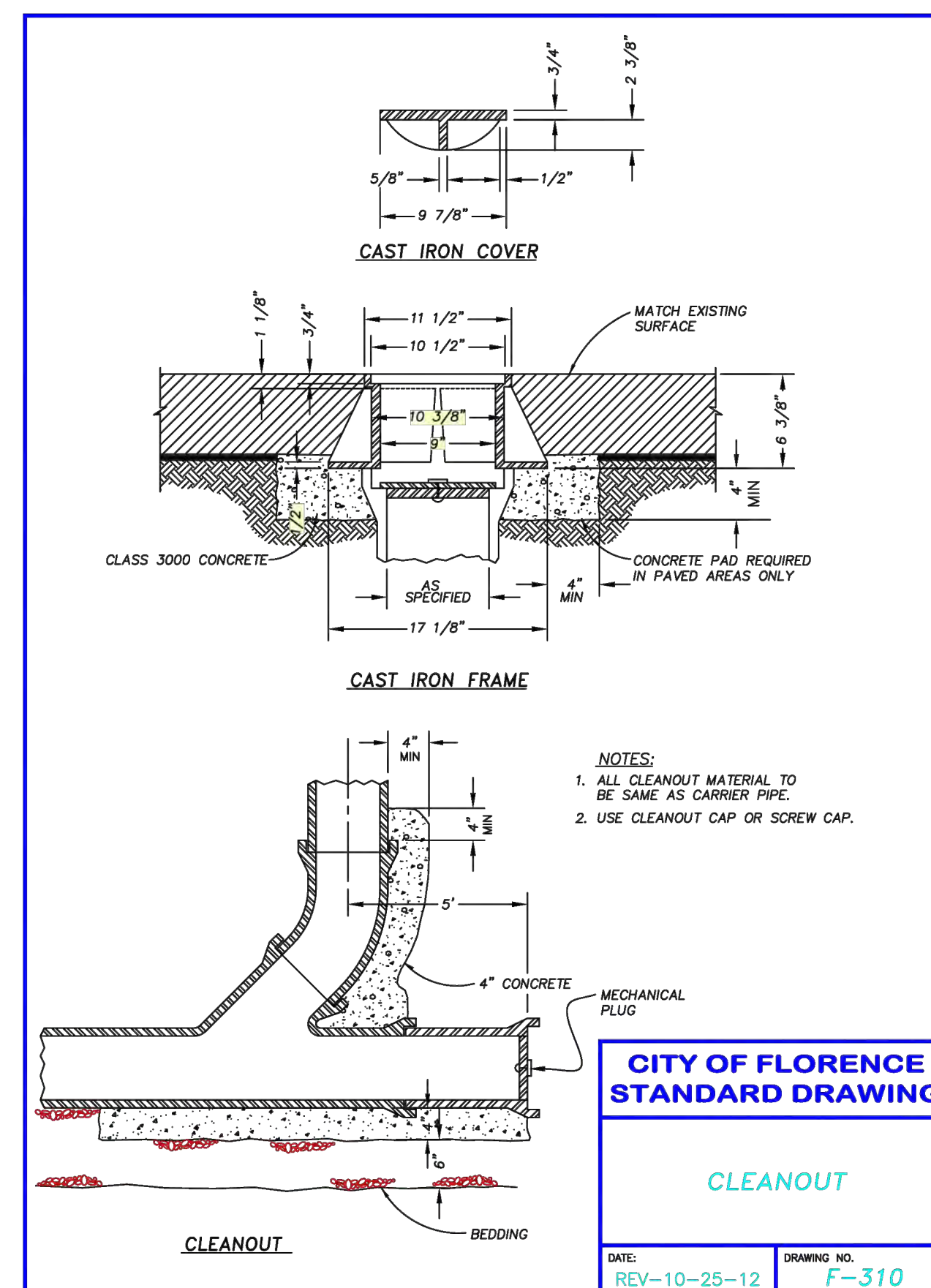
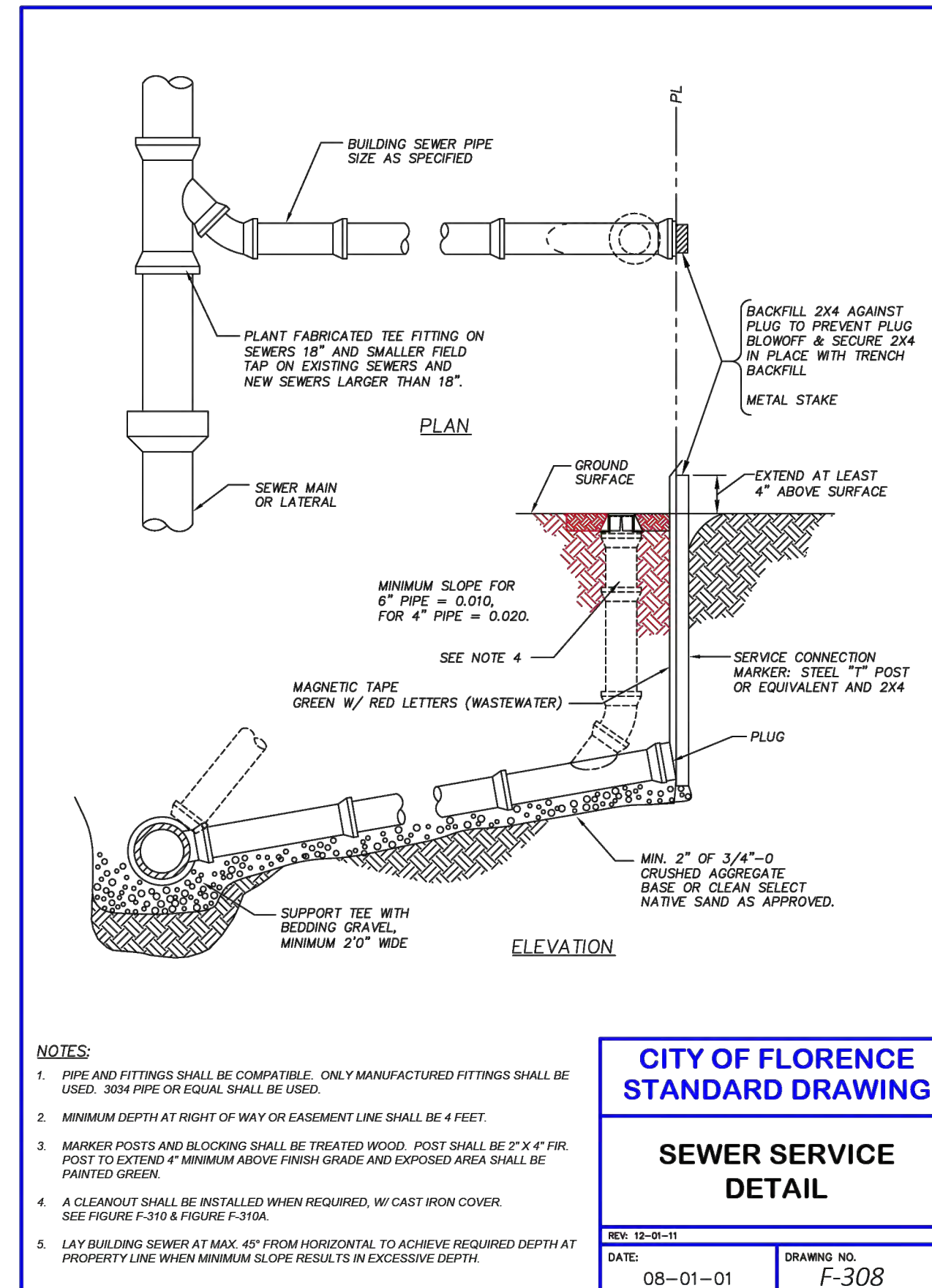
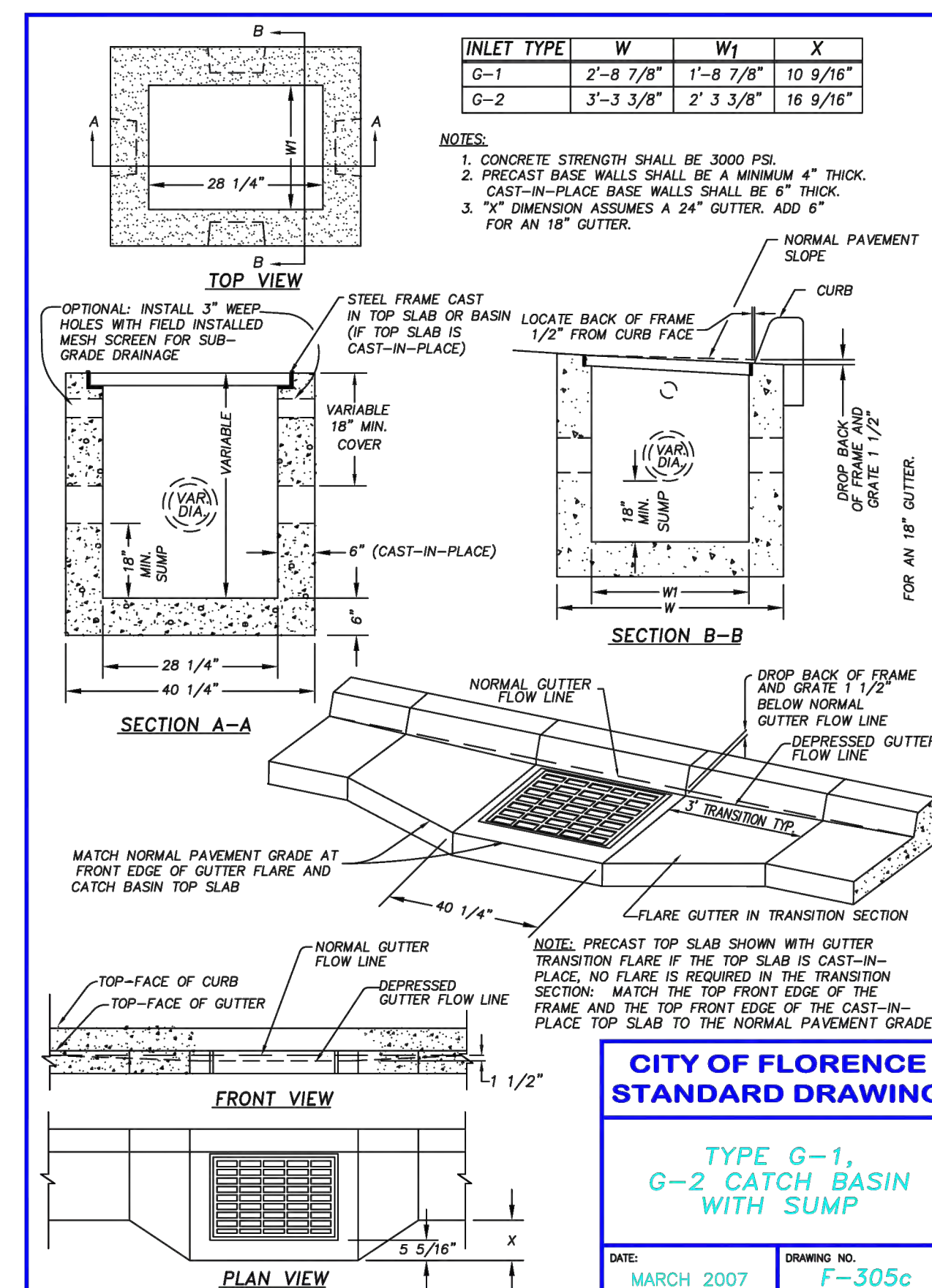
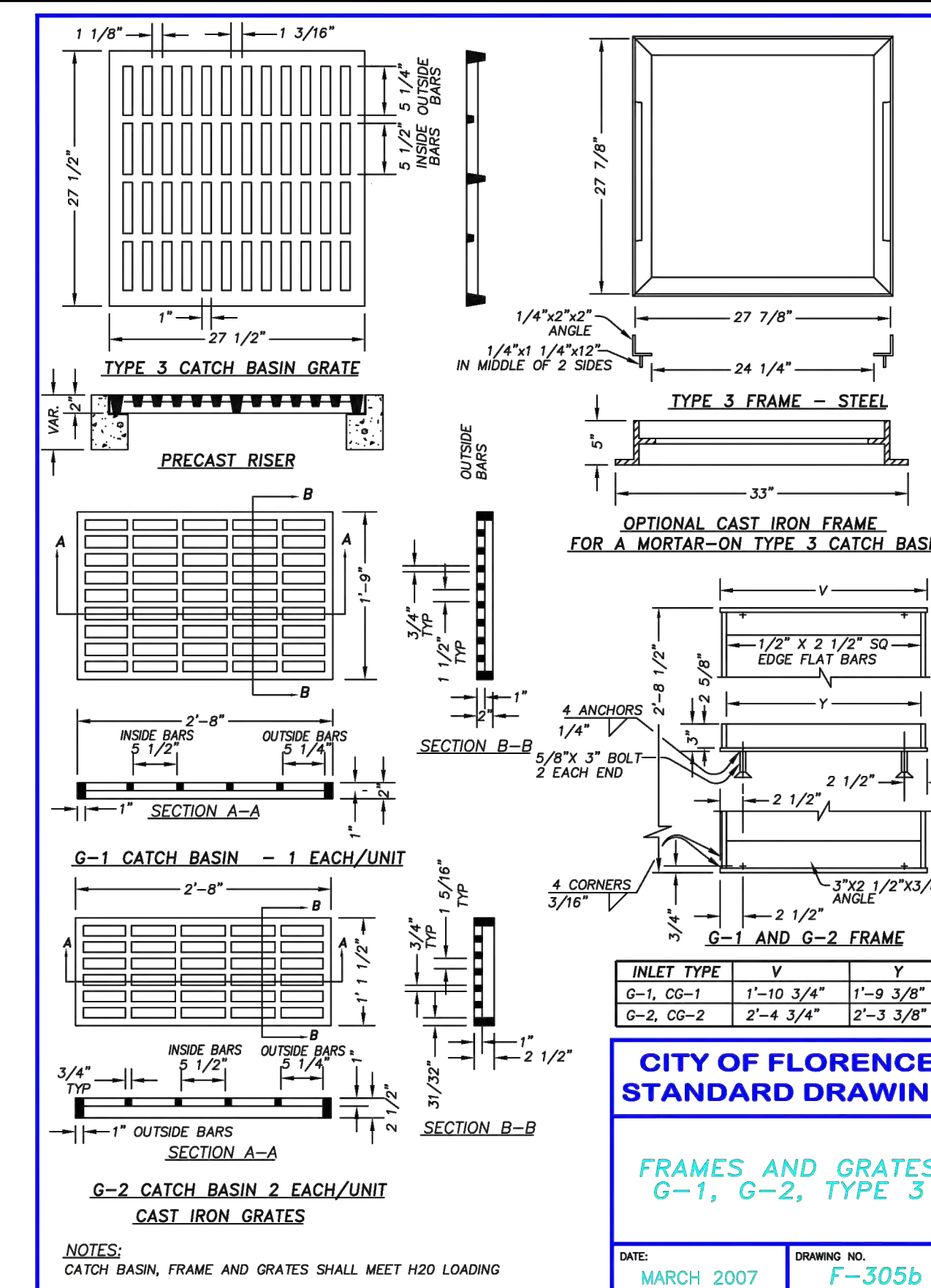
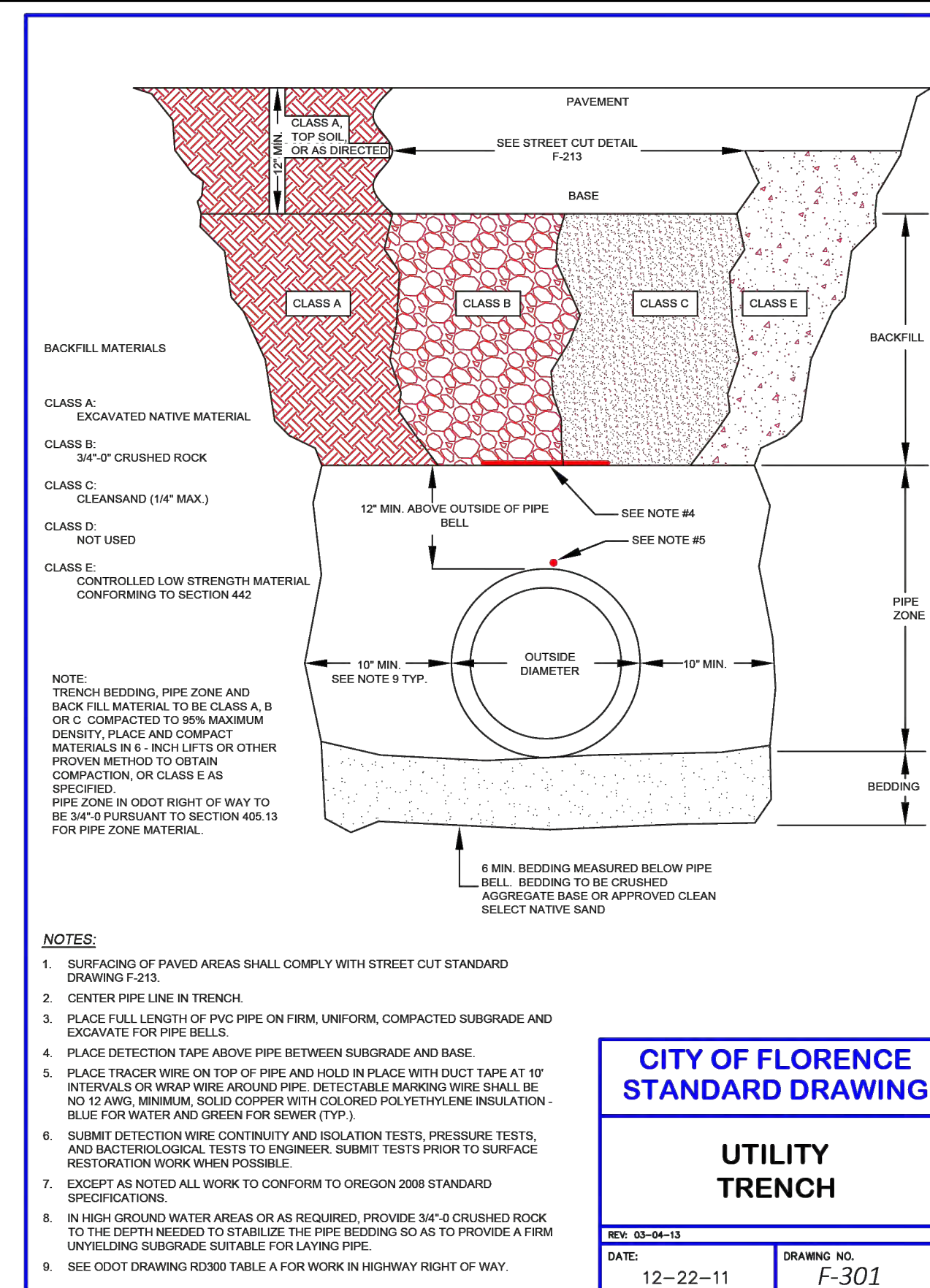
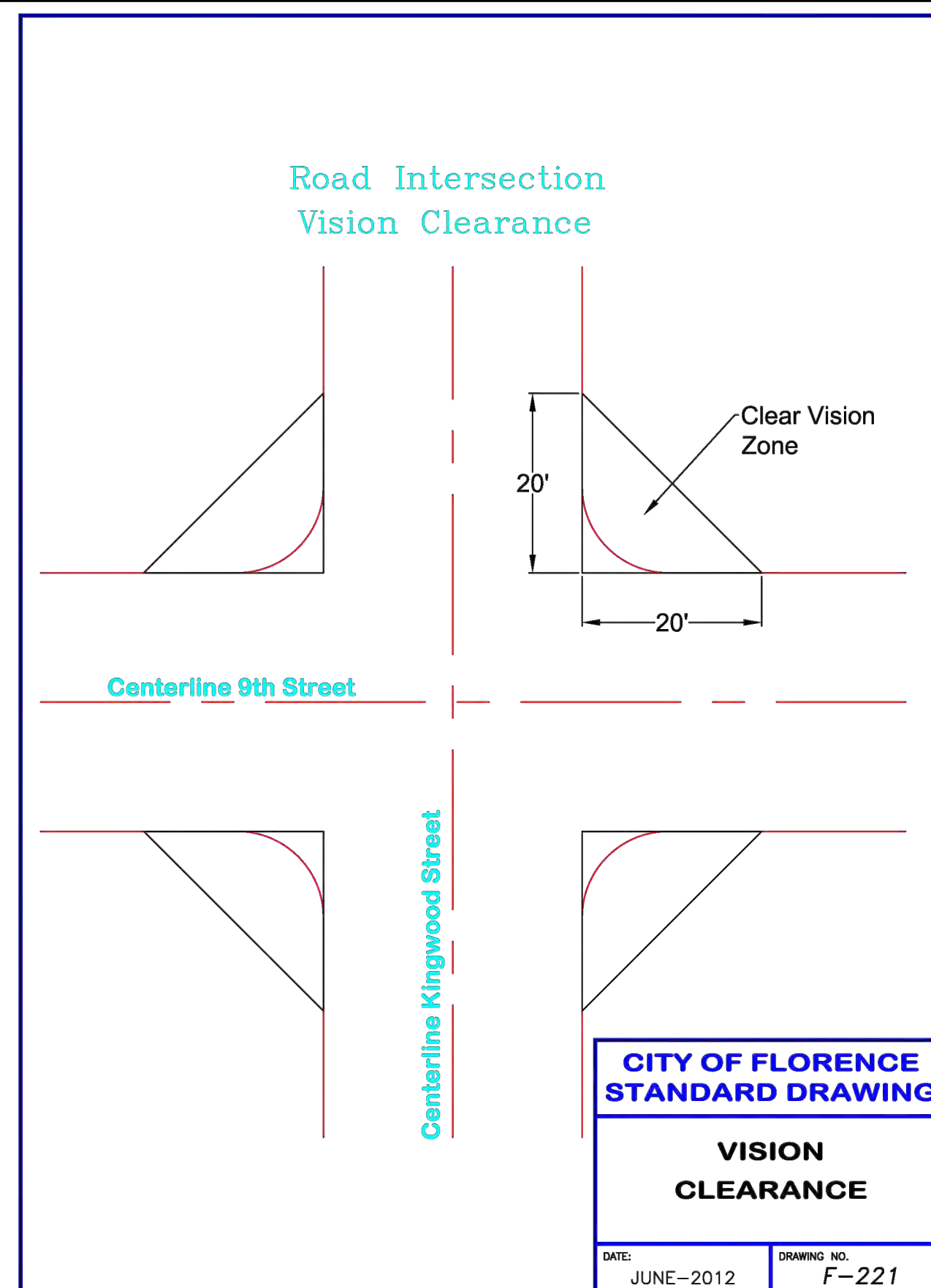
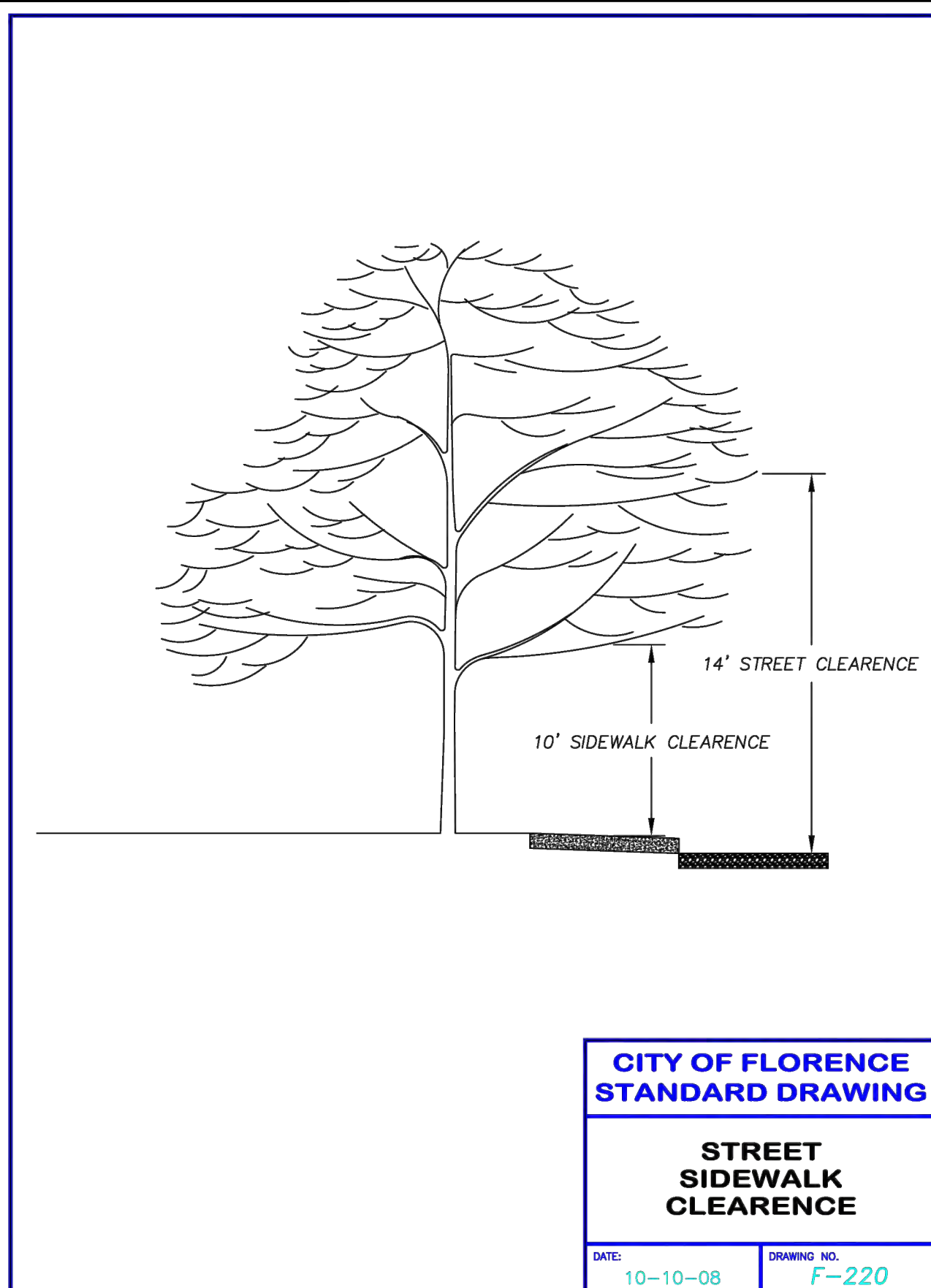
REVISIONS

NO.	DATE	DESCRIPTION	BY	REVIEW

SCALE: SHOWN

DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO: D01 SHEET NO: 19 YY



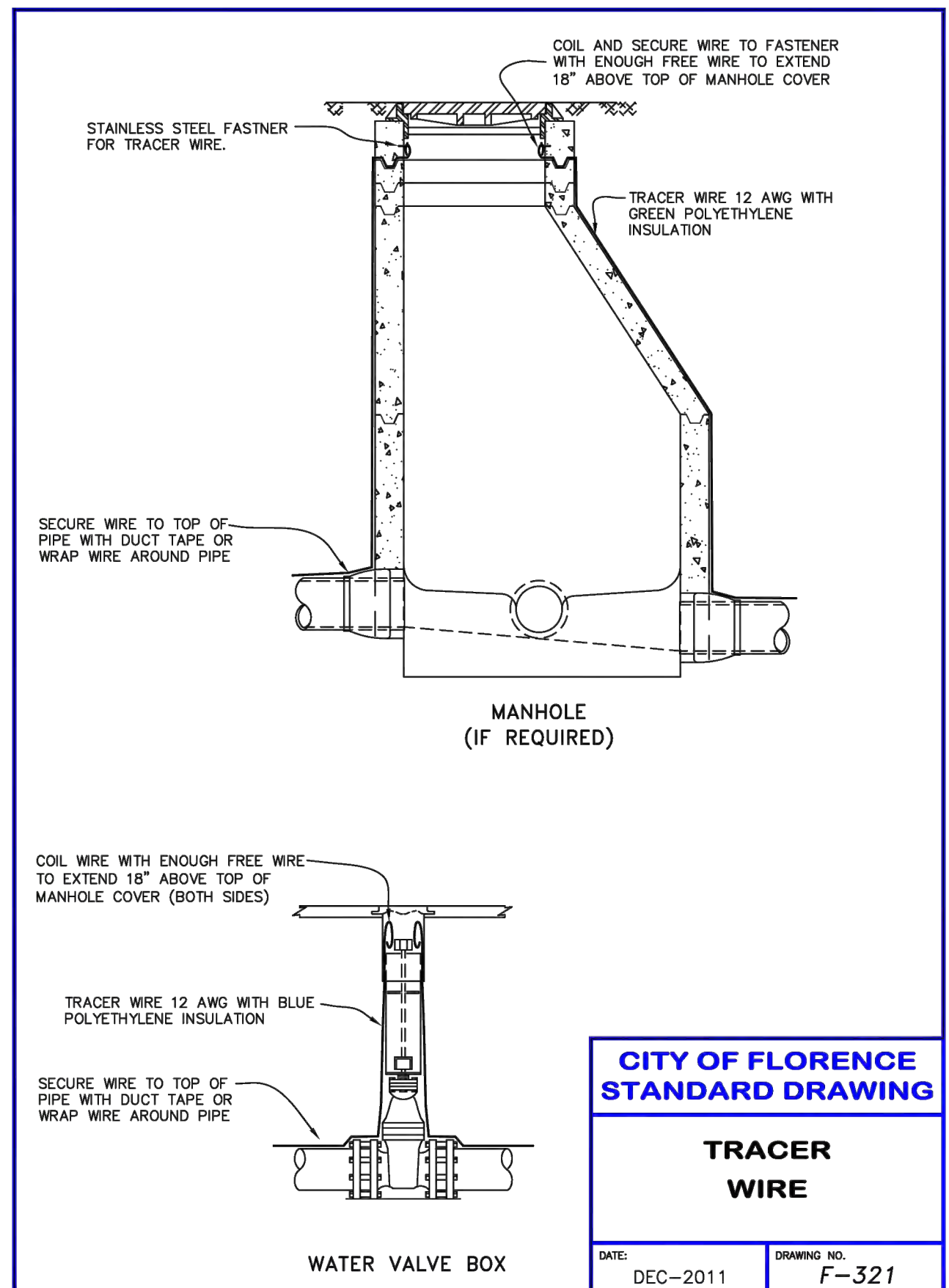
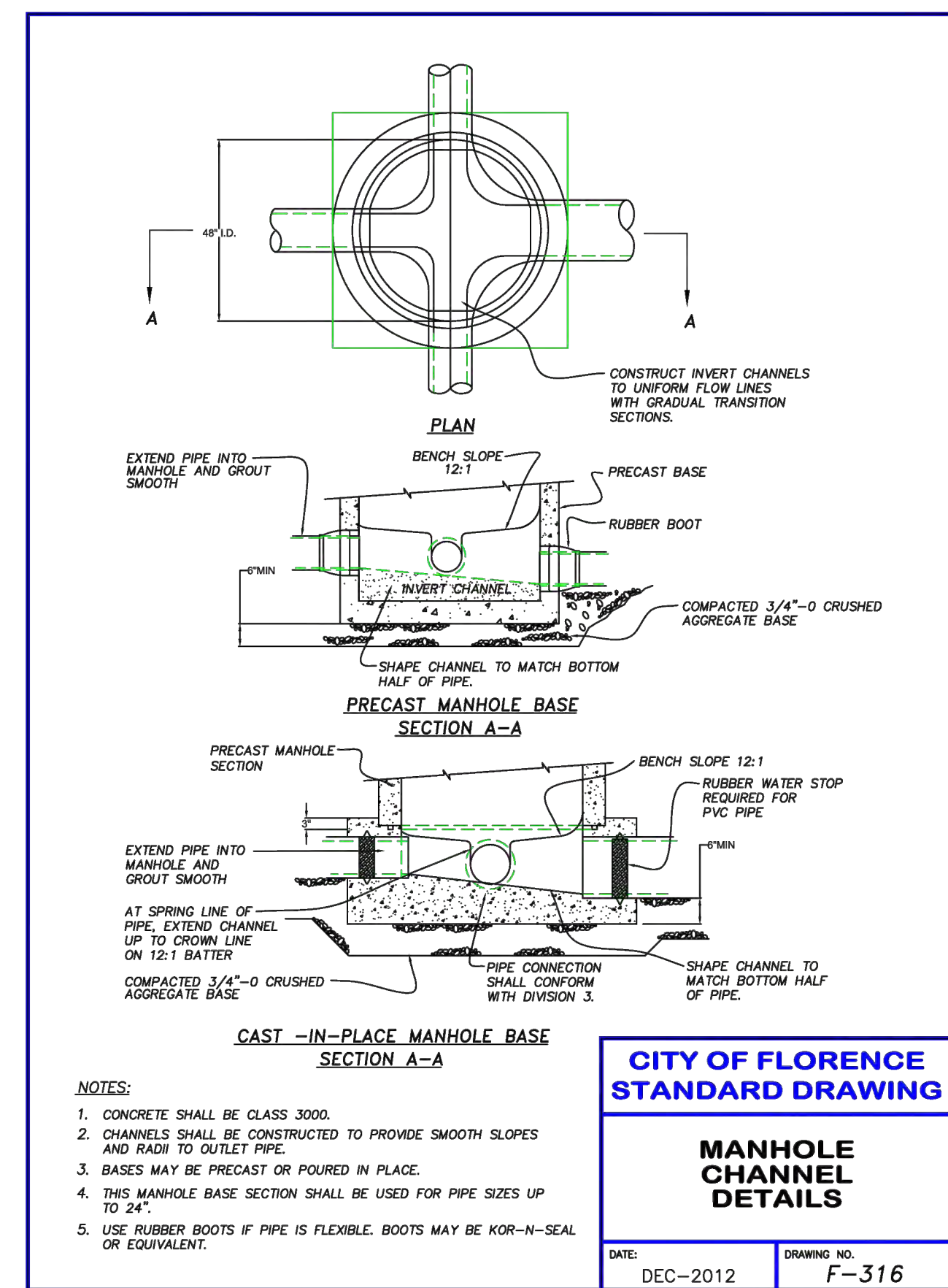
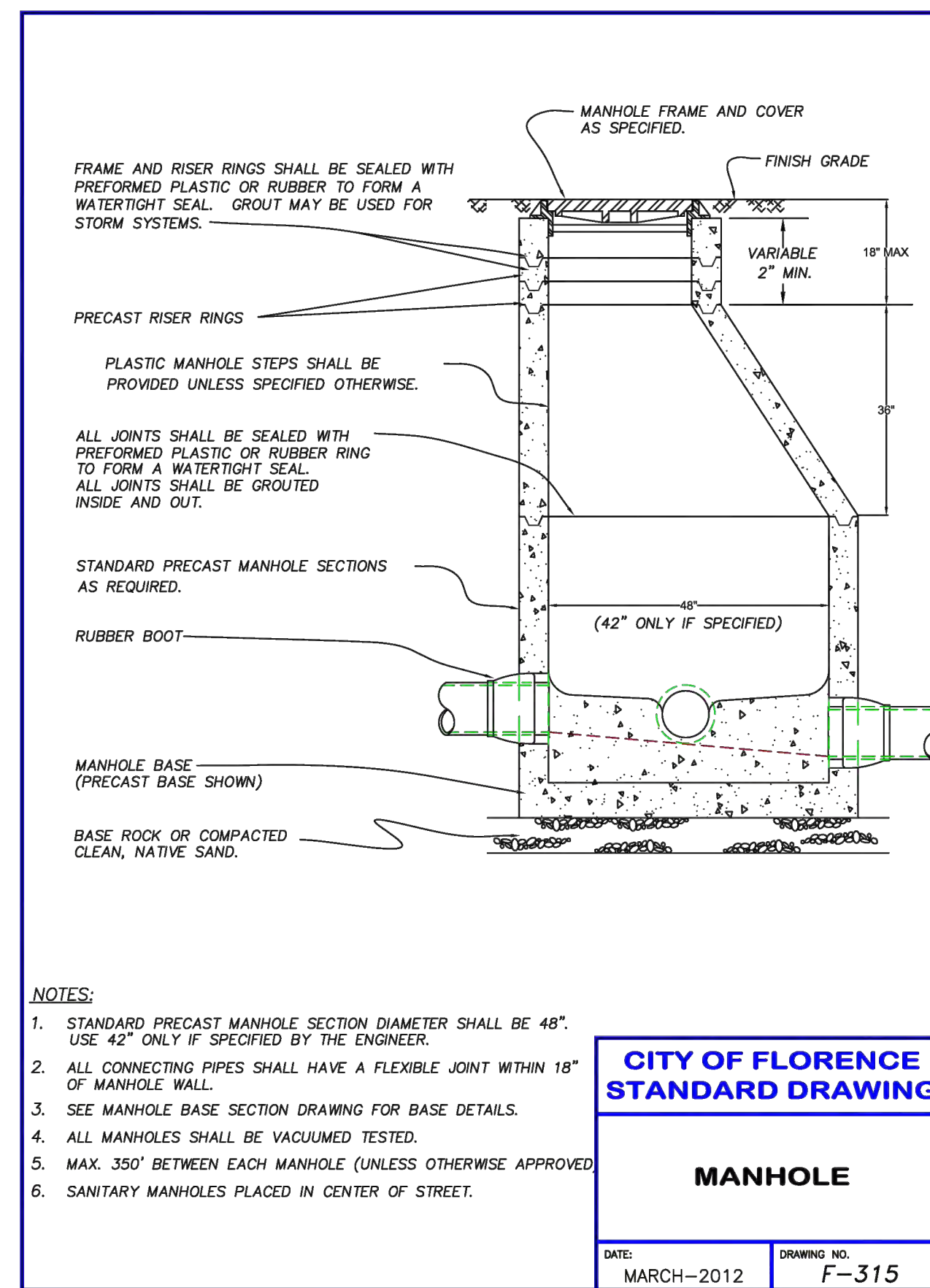
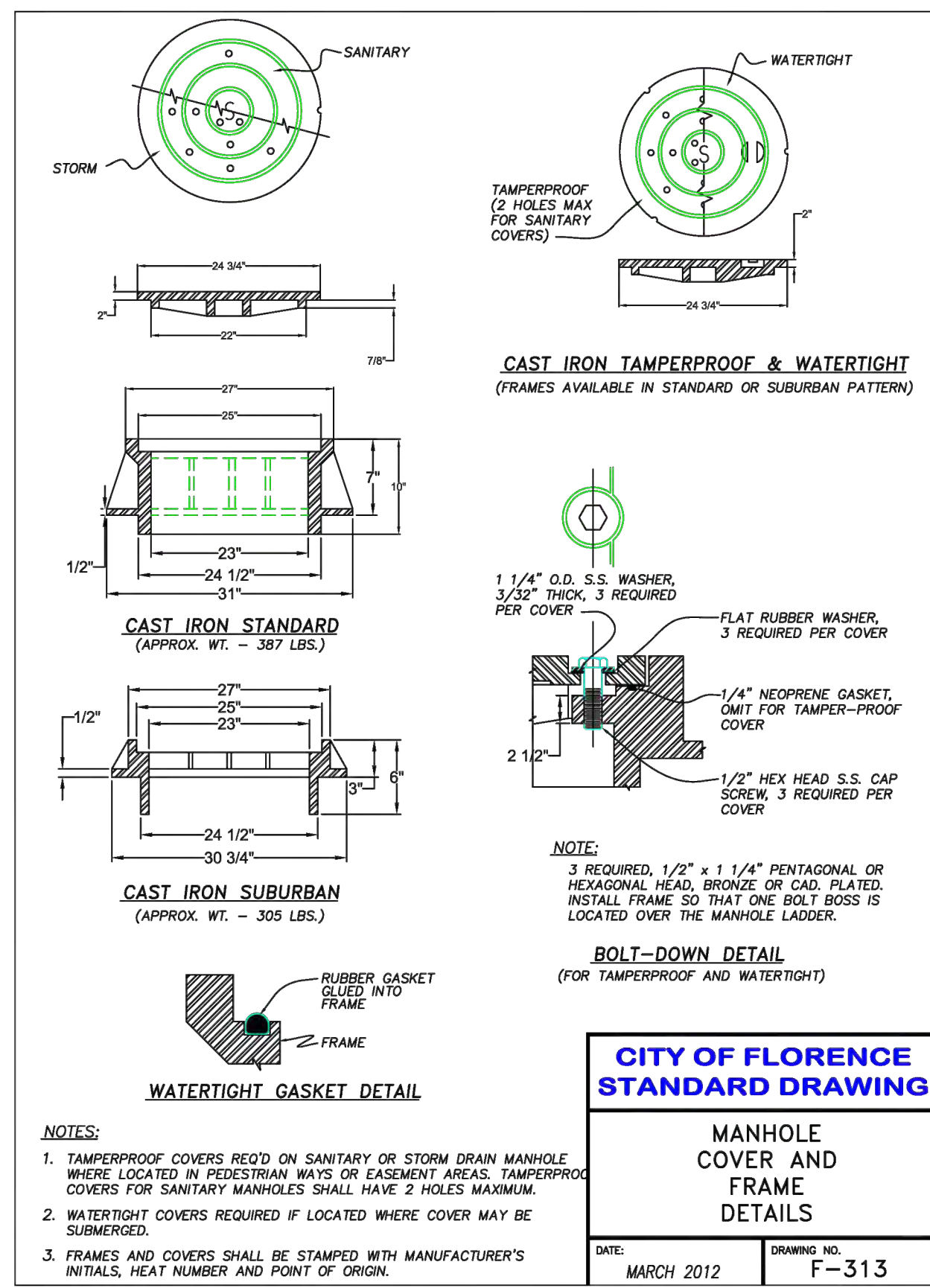
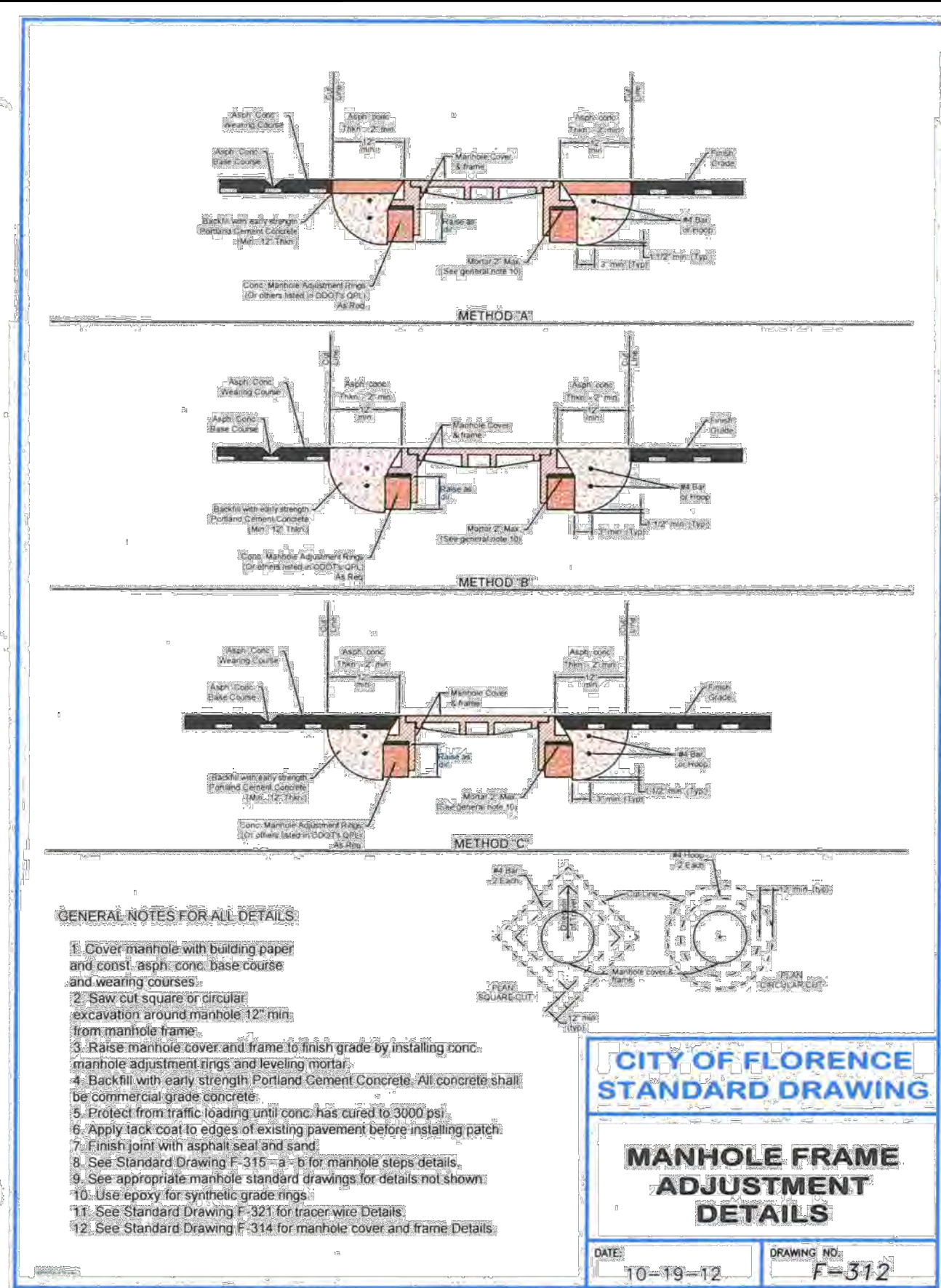
CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1
DETAILS - SHEET 2 OF 5

REVISIONS	DATE	DESCRIPTION	BY	REVIEW
REVISIONS				
PRELIMINARY REVIEW				
DRAWINGS				

ENGINEER: CWJ
 SAVERDATE: Oct 24, 2024
 CLIENT: FLO
 JOB NO.: 024-0115
 FILENAME: NIMP-DETAILS.DWG
 REVISIONS: KAL
 PLOT DATE: Oct 24, 2024

SCALE: SHOWN

DWG NO.: D02
 SHEET NO.: 20
 YY

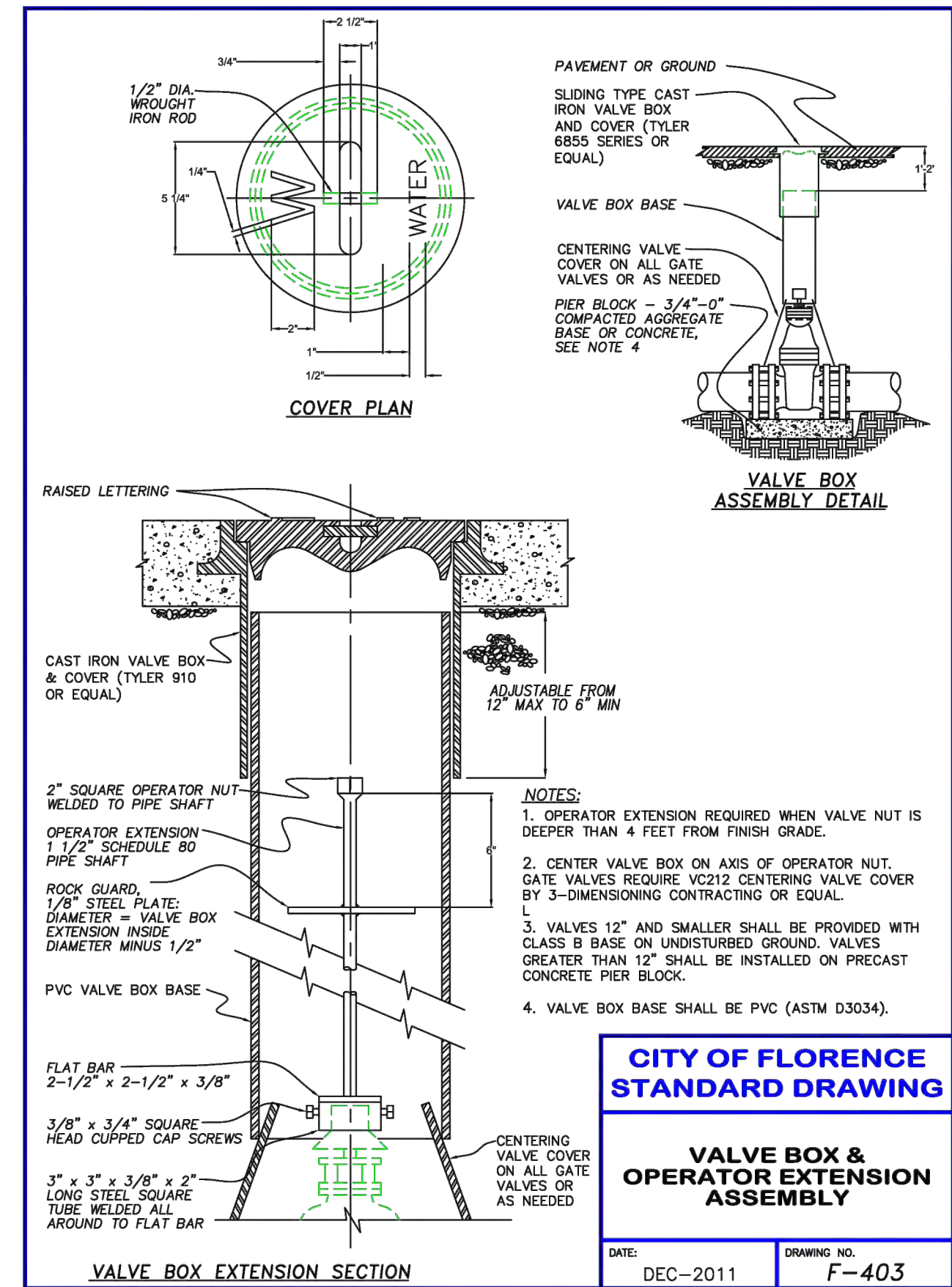
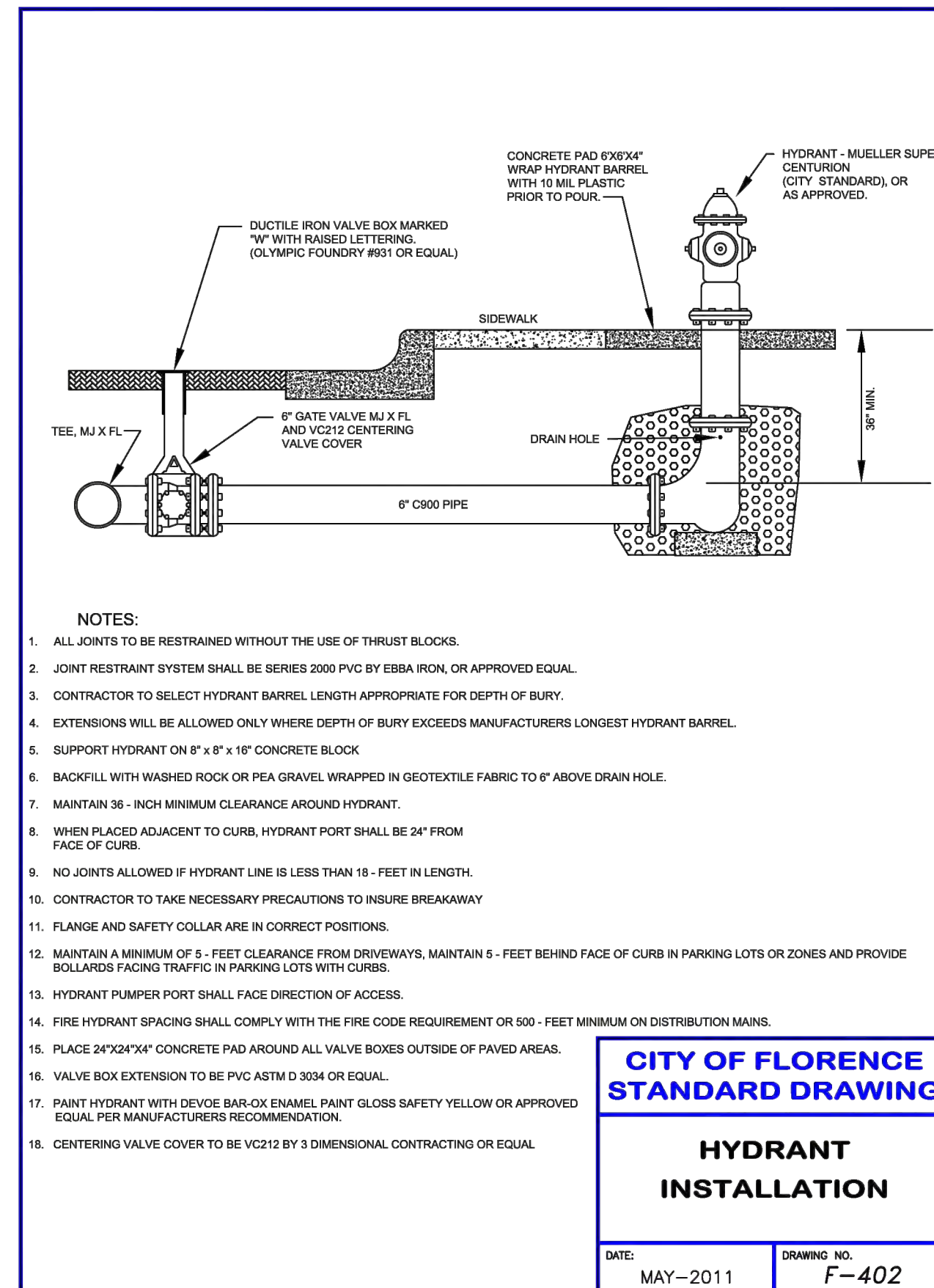


(HORIZONTAL) BEARING AREA OF THRUST BLOCKS IN SQUARE FEET										(VERTICAL) VOLUME OF THRUST BLOCK IN CUBIC YARDS					
FITTING SIZE	TEE, WYE, DEAD END & HYDRANT	STRADDLE BLOCK	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN	45° BEND	22-1/2° BEND	11-1/4° BEND	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	1.0	1.6	1.4	1.9	1.4	1.0	---	---	---	---	---	---	---	---	---
6	2.1	3.7	3.0	4.3	3.0	1.6	1.0	---	1.3	---	---	---	---	---	---
8	3.8	6.5	5.3	7.6	5.4	2.9	1.5	1.0	2.3	1.1	---	---	---	---	---
10	5.9	10.2	8.4	11.8	8.4	4.6	2.4	1.2	3.7	1.8	---	---	---	---	---
12	8.5	14.7	12.0	17.0	12.0	6.6	3.4	1.7	5.5	2.8	1.2	---	---	---	---
14	11.5	---	16.3	23.0	16.3	8.9	4.6	2.3	7.6	3.9	1.7	---	---	---	---
16	15.0	26.1	21.3	30.0	21.3	11.6	6.0	3.0	9.9	5.1	2.3	0.9	---	---	---
18	19.0	---	27.0	38.0	27.0	14.6	7.6	3.8	---	---	---	---	---	---	---
20	23.5	40.8	33.3	47.0	33.3	18.1	9.4	4.7	---	---	---	---	---	---	---
24	34.0	58.8	48.0	68.0	48.0	26.2	13.6	6.8	---	---	---	---	---	---	---

CITY OF FLORENCE STANDARD DRAWING

THRUST BLOCKING

DATE: SEPTEMBER 2011 DRAWING NO: F-401



CITY OF FLORENCE
9TH STREET IMPROVEMENT PHASE 1
DETAILS - SHEET 3 OF 5

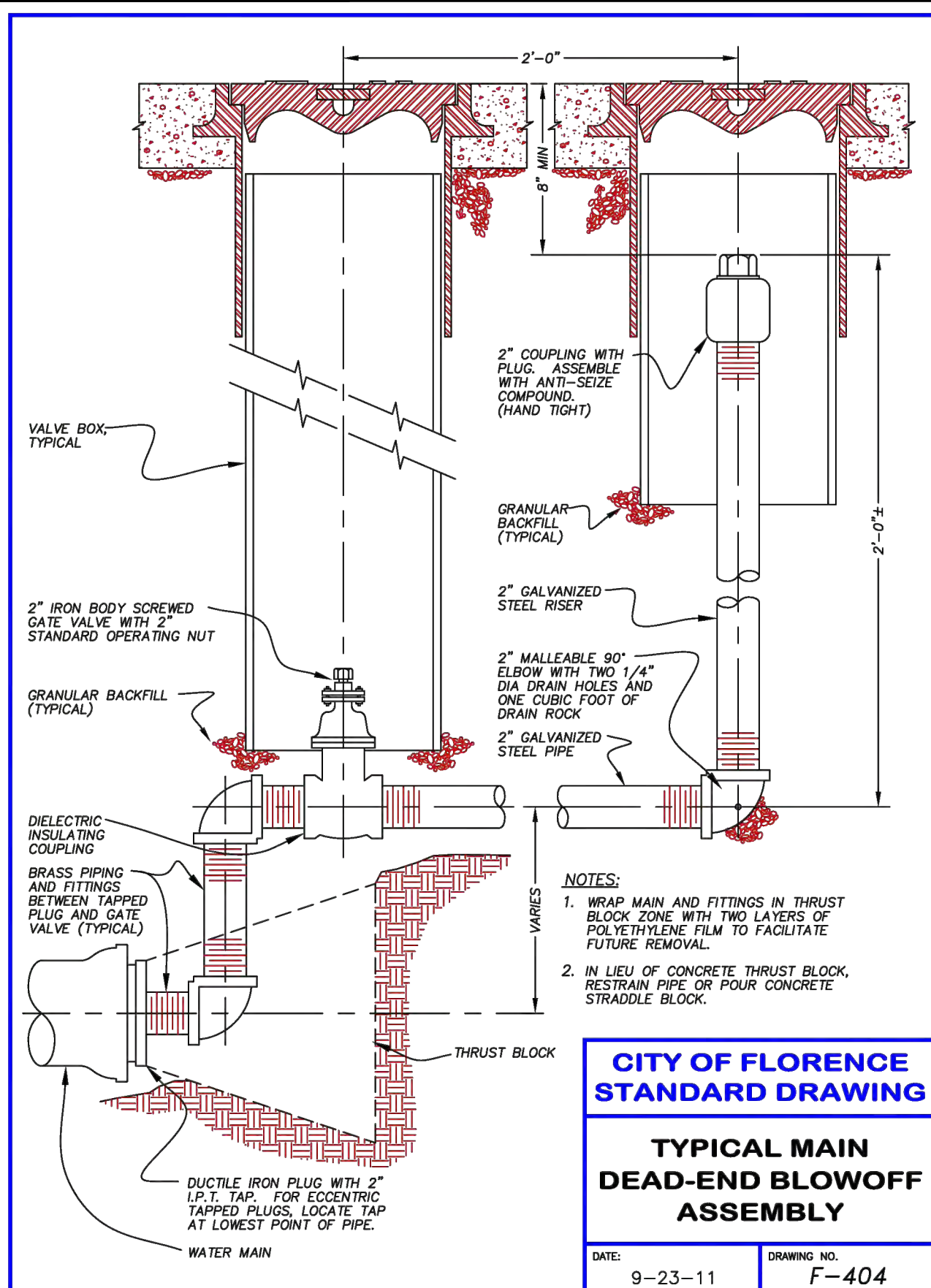
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16				
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19				
20				

REVISIONS

PRELIMINARY REVIEW DRAWINGS

SCALE: SHOWN

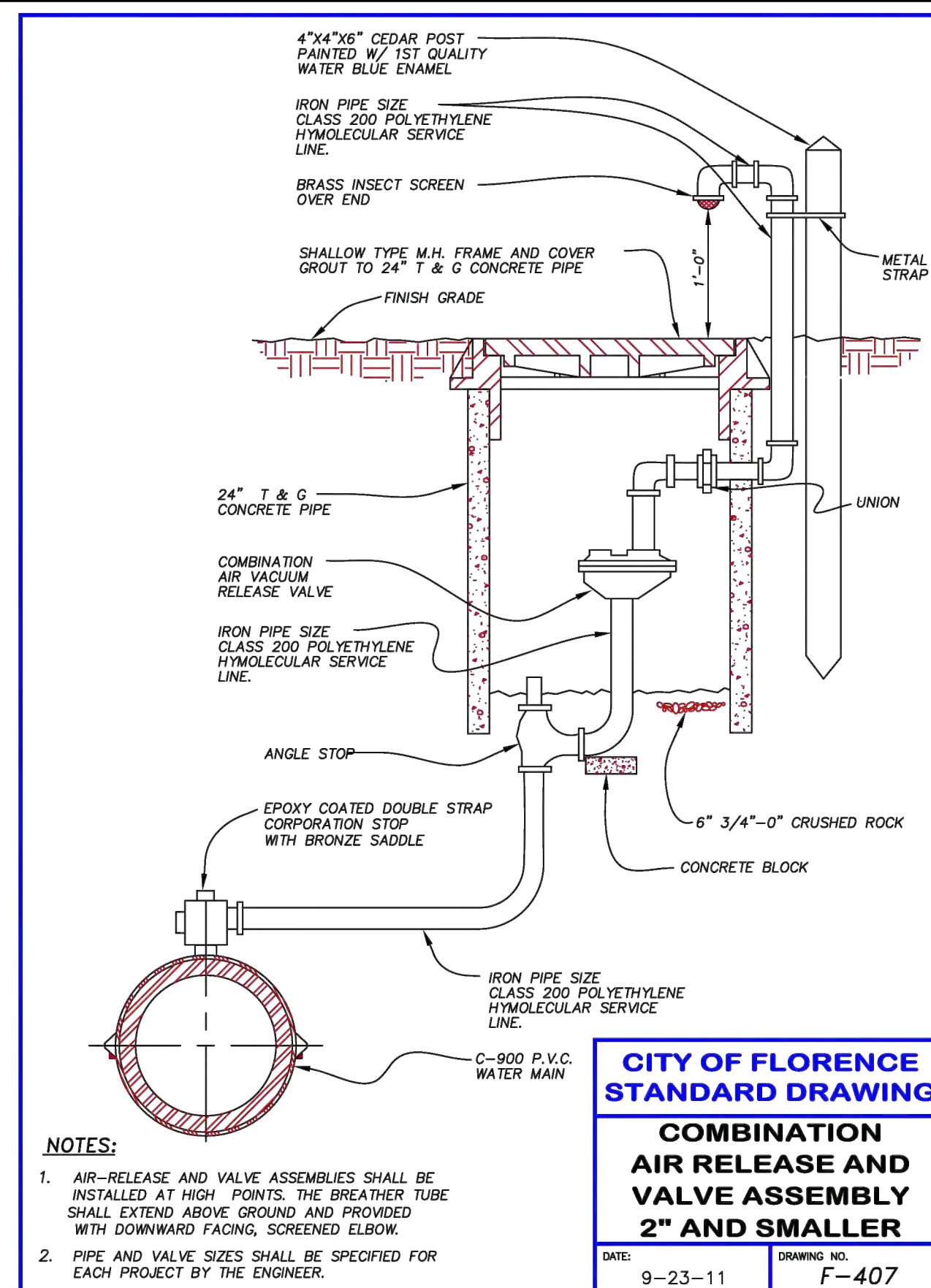
DWG NO: D03 SHEET NO: 21



CITY OF FLORENCE STANDARD DRAWING

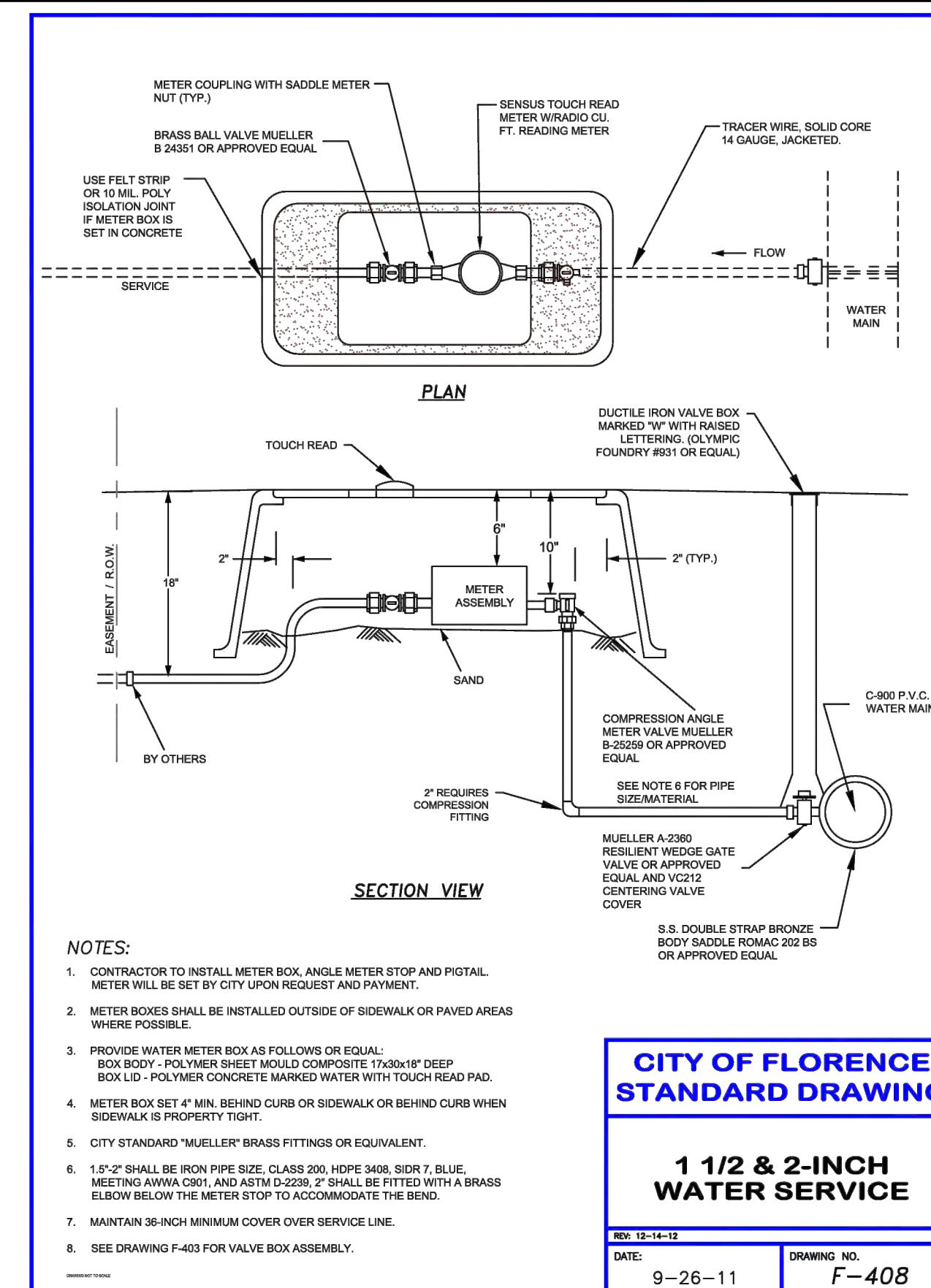
TYPICAL MAIN DEAD-END BLOWOFF ASSEMBLY

DATE: 9-23-11 DRAWING NO: F-404



CITY OF FLORENCE STANDARD DRAWING

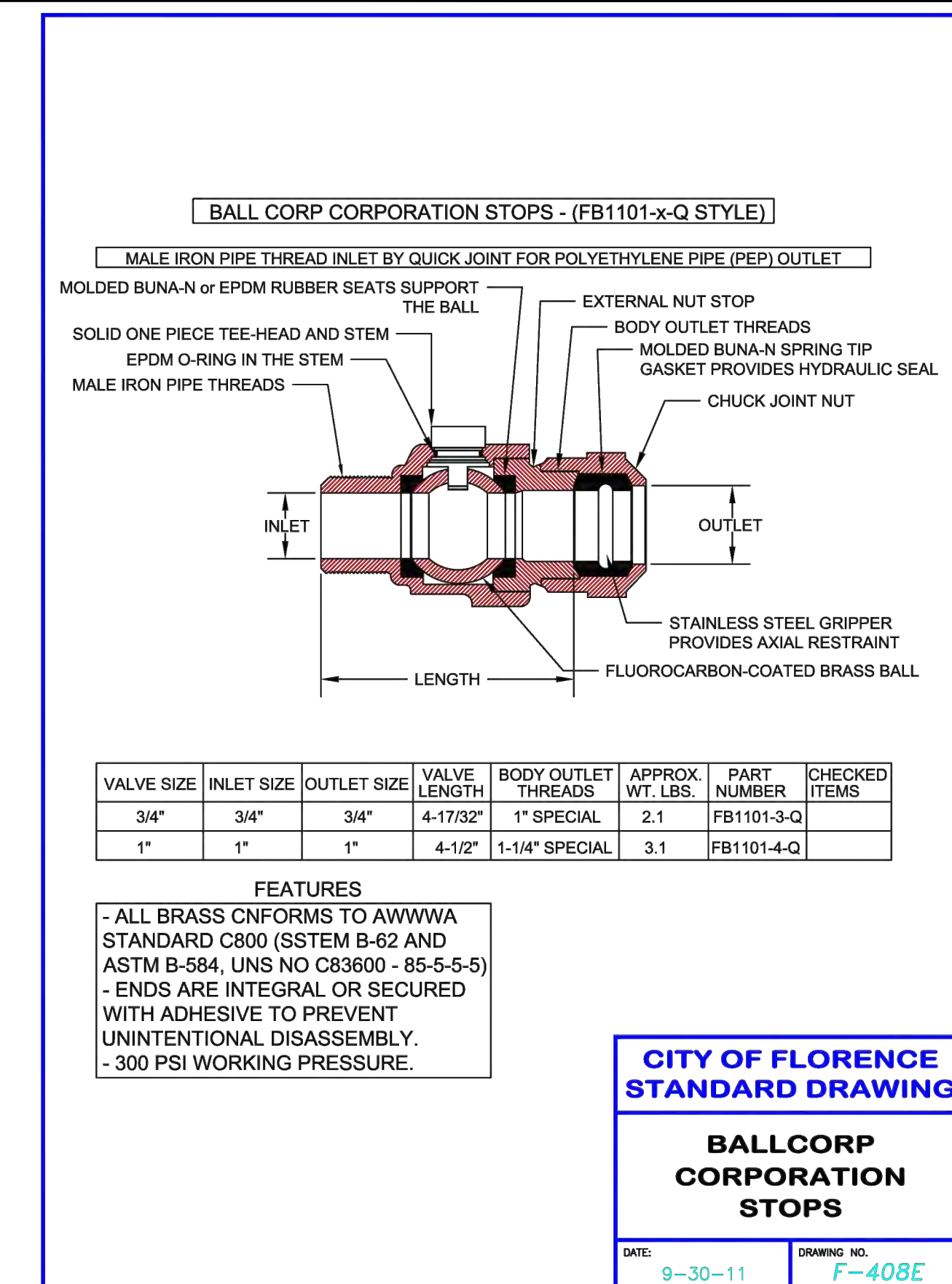
COMBINATION AIR RELEASE AND VALVE ASSEMBLY 2\"/>



CITY OF FLORENCE STANDARD DRAWING

1 1/2 & 2-INCH WATER SERVICE

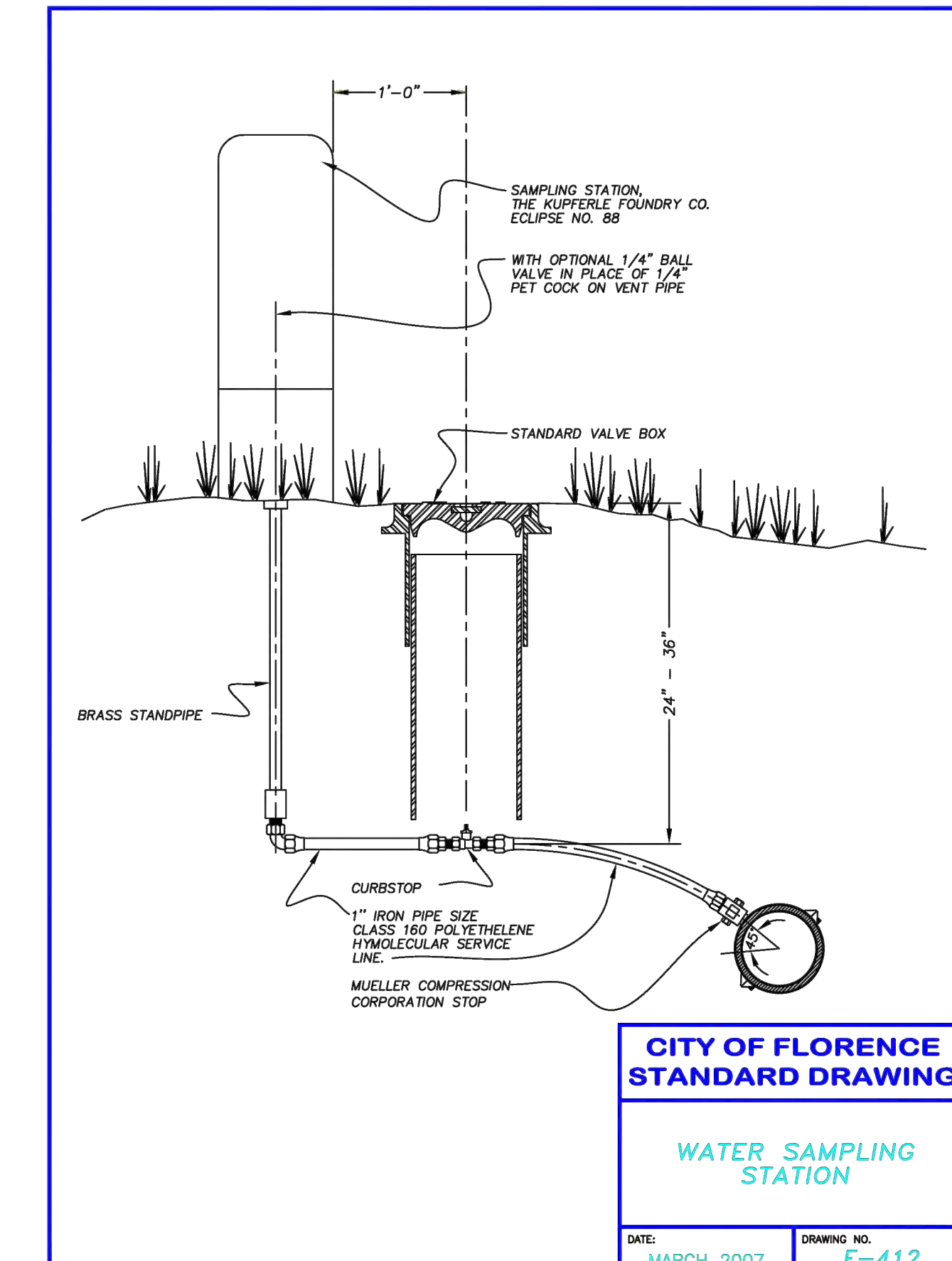
DATE: 9-26-11 DRAWING NO: F-408



CITY OF FLORENCE STANDARD DRAWING

BALLCORP CORPORATION STOPS

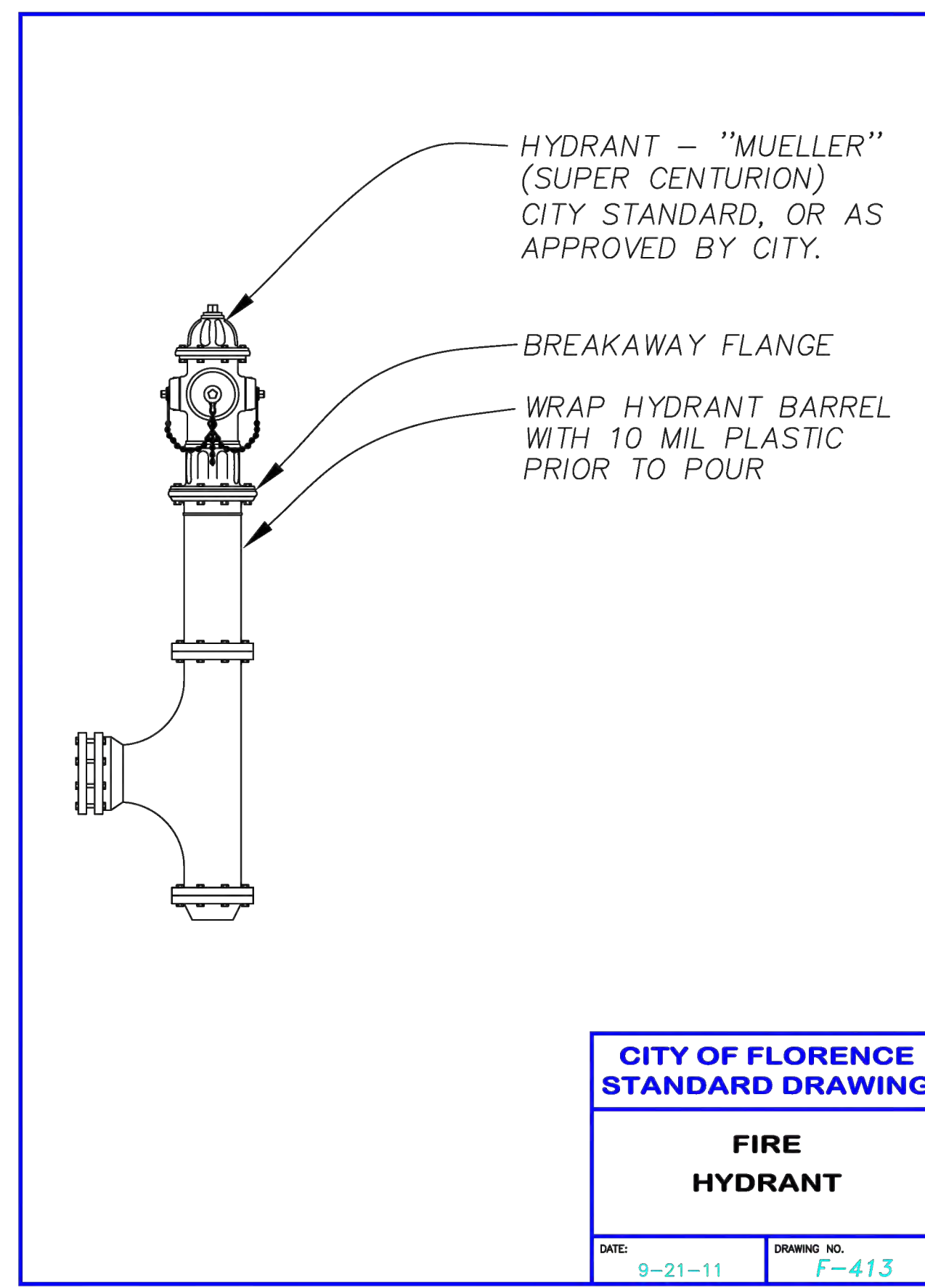
DATE: 9-30-11 DRAWING NO: F-408E



CITY OF FLORENCE STANDARD DRAWING

WATER SAMPLING STATION

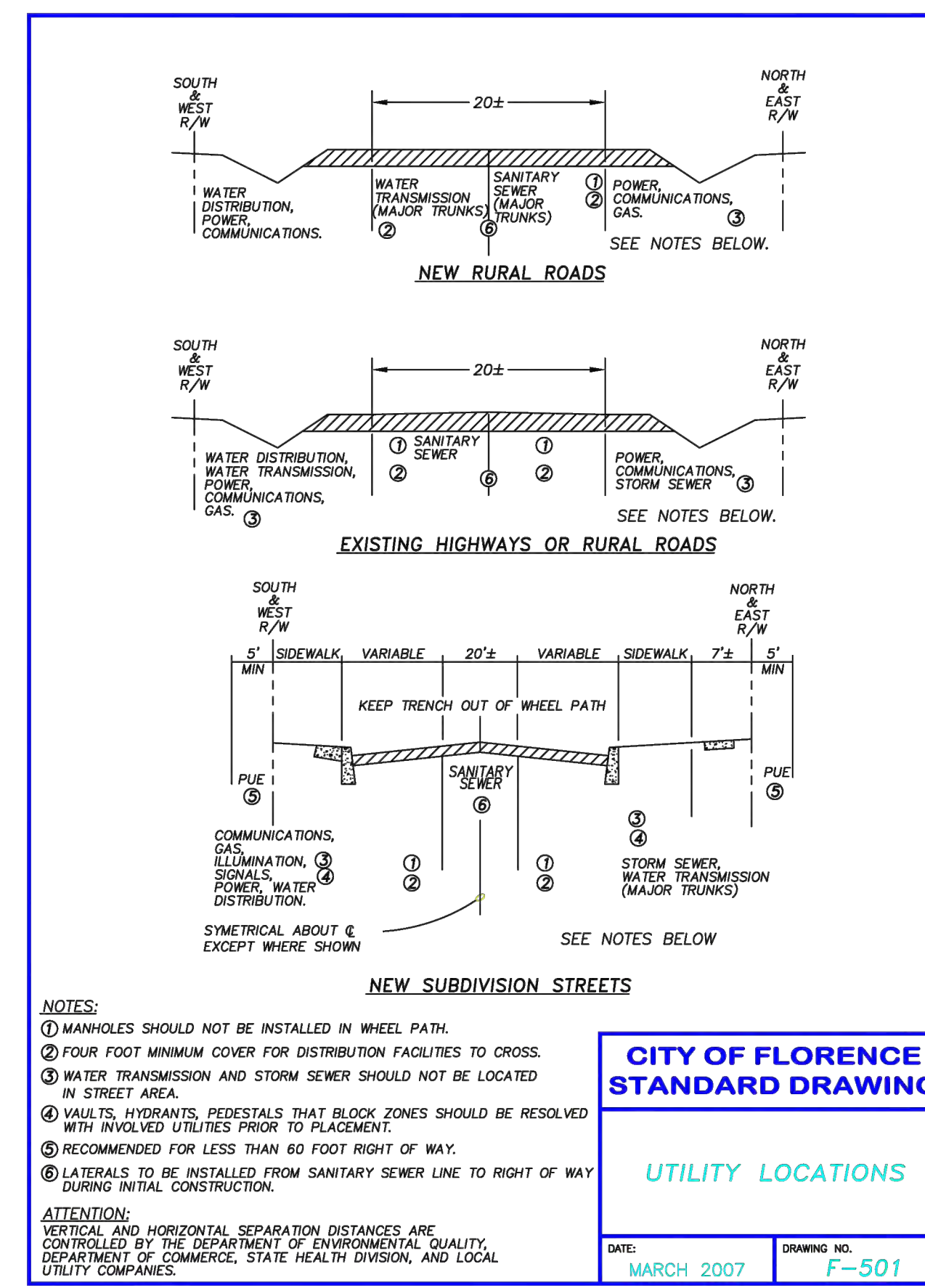
DATE: MARCH 2007 DRAWING NO: F-412



CITY OF FLORENCE STANDARD DRAWING

FIRE HYDRANT

DATE: 9-21-11 DRAWING NO: F-413



CITY OF FLORENCE STANDARD DRAWING

UTILITY LOCATIONS

DATE: MARCH 2007 DRAWING NO: F-501



CITY OF FLORENCE

9TH STREET IMPROVEMENT PHASE 1

DETAILS - SHEET 4 OF 5



ENGINEER: CAW	REVIEWED: KAL	DATE	DESCRIPTION	BY	REVIEW
SAVED DATE: Oct 24, 2024	FILE NAME: NIMP-D-DETAILS.DWG	JOB NO.: 024-0115	REVISIONS		
PLOT DATE: Oct 24, 2024			PRELIMINARY REVIEW		
			DRAWINGS		

