

GENERAL PROJECT REQUIREMENTS

- ALL WORKMANSHIP, MEANS, METHODS, AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO THE 2026 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PRODUCED BY WSDOT AND THE WASHINGTON STATE CHAPTER OF THE APWA; LATEST EDITION OF THE CITY OF MONROE PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS; AND ALL AMENDMENTS TO THE STANDARDS SPECIFICATIONS AND SPECIAL PROVISIONS PROVIDED BY THESE PLANS AND ASSOCIATED CONTRACT DOCUMENTS FOR THE PROJECT.
- EXISTING UTILITIES ARE SHOWN IN THESE PLANS PER THE LATEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND RELATED SURFACE FEATURES WITHIN THE PROJECT AREA AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE PLAN INFORMATION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL, AT MINIMUM, CONTACT THE UNDERGROUND UTILITIES LOCATE CENTER (1-800-424-5555) TO HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO CONSTRUCTION.
- THE TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) MEASURES SHOWN IN THESE PLANS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL PROVIDE ANY REASONABLE ADDITIONAL MEASURES AS MAY BE REQUIRED TO FACILITATE ACTUAL SITE RUNOFF CONDITIONS AT THE TIME OF CONSTRUCTION. ALL NECESSARY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN-PLACE PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.
- ALL NEW PAVEMENT, SIDEWALKS, AND CURB AND GUTTER INSTALLED BY THIS PROJECT SHALL BEAR ON SUITABLE, COMPACT FOUNDATION SOILS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND PROJECT CONTRACT DOCUMENTS. SIMILAR EXISTING FACILITIES TO REMAIN, WHICH ARE DISTURBED OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED IN-KIND TO THE SAME STANDARDS OF NEW FACILITIES.
- ALL ONSITE PAVEMENT MARKINGS SHALL CONFORM TO THE WSDOT STANDARD PLANS AND SPECIFICATIONS AS AMENDED OR SUPPLEMENTED BY THE PLANS, DETAILS, AND SPECIFICATIONS AS AMENDED OR SUPPLEMENTED BY THE PLANS, DETAILS, AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS.
- ALL EXISTING ON-SITE WELLS AND SEPTIC TANKS AND ASSOCIATED DRAIN FIELDS SHALL BE PROPERLY ABANDONED BY A LICENSED CONTRACTOR CERTIFIED TO PERFORM SUCH WORK. THE CONTRACTOR SHALL PROVIDE WRITTEN VERIFICATION OF ABANDONMENT TO THE OWNER, WASHINGTON STATE DEPARTMENT OF ECOLOGY, AND SNOHOMISH COUNTY HEALTH DEPARTMENT.
- THE MATERIALS AND METHODS OF INSTALLATION FOR ALL WATER AND SANITARY SEWER FACILITIES SHALL ALSO BE IN ACCORDANCE WITH THE LATEST SNOHOMISH COUNTY AND CITY OF MONROE STANDARDS, GENERAL REQUIREMENTS AND DETAILS FOR WATER MAIN CONSTRUCTION, AND GENERAL REQUIREMENTS AND DETAILS FOR SEWER MAIN CONSTRUCTION.
- AT LEAST TWO COPIES OF THESE PLANS SHALL BE ON THE JOB SITE WHEN CONSTRUCTION IS IN PROGRESS. THE CONTRACTOR SHALL ALSO HAVE COPIES OF THE APPLICABLE REGULATORY AGENCY STANDARDS AVAILABLE AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS. ALL APPLICABLE PERMITS SHALL BE OBTAINED PRIOR TO ANY CONSTRUCTION ACTIVITY. ONE COMPLETE SET OF PROJECT PLANS WITH RECORDS OF AS-BUILT INFORMATION SHALL BE PROVIDED TO THE PROJECT ENGINEER AT THE END OF THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE ACTIVITIES OF ALL UTILITY PURVEYORS IMPACTED BY WORK FOR THIS PROJECT AND SHALL CONTACT THEM PRIOR TO CONSTRUCTION TO SCHEDULE WORK FOR PROVISIONS FOR AND BE RESPONSIBLE TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT AND KEEP IN SERVICE ALL EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS DURING CONSTRUCTION.
- UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE TO BE ABANDONED UPON COMPLETION OF THE WORK FOR THIS PROJECT SHALL EITHER BE REMOVED AND DISPOSED OF OR ABANDONED IN-PLACE BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR CITY STANDARDS AND PROJECT SPECIFICATIONS. ALL COSTS ASSOCIATED WITH THE LABOR, EQUIPMENT, MATERIALS, AND ANY FEES NECESSARY TO COMPLETE THE REMOVAL AND DISPOSAL OR IN-PLACE ABANDONMENT OF UTILITIES SHALL BE INCLUDED IN AND INCIDENTAL TO THE THAT WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB AND PAVING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY PROVISION OF THE SOIL REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRES FURTHER CLARIFICATION.
- A REPRESENTATIVE OF THE SOILS ENGINEER AND/OR TESTING AGENCY SHALL BE AVAILABLE TO OBSERVE AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THIS REPRESENTATIVE SHALL SUBMIT FIELD REPORTS AS REQUIRED TO CERTIFY THAT REQUIRED METHODS AND MATERIALS ARE IN ACCORDANCE WITH PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE THE APPROPRIATE SOILS INSPECTIONS AND TESTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL DURING CONSTRUCTION ADJACENT TO OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE PROPERTY DRIVEWAYS DURING CONSTRUCTION.
- ALL WORK PERTAINING TO THIS PROJECT SHALL BE SUBJECT TO INSPECTION BY CITY OF MONROE INSPECTORS IN THE ENGINEERING, BUILDING AND PLANNING DIVISIONS OR THEIR DESIGNATED REPRESENTATIVES. PRIOR TO ANY WORK ON THE SITE THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY'S INSPECTION GROUP.

CITY OF MONROE STANDARD PLAN NOTES

GENERAL

- CONTROLLED DENSITY FILL (CDF) SHALL BE PLACED AT ALL UTILITY CROSSINGS WITHIN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH COM CONSTRUCTION STANDARD 3-9.3.

TESC

- ALL TESC MEASURES MUST COMPLY WITH THE MONROE STANDARDS AND SPECIFICATIONS AND THE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON - 2019 EDITION.
- THE TESC SYSTEM SHALL BE INSTALLED AND THEN SHALL BE INSPECTED BY THE PUBLIC WORKS INSPECTOR PRIOR TO ALL OTHER CONSTRUCTION.
- AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, THE EROSION CONTROL FACILITIES SHALL BE MAINTAINED AND/OR ALTERED AS REQUIRED BY THE CITY ENGINEER TO ENSURE CONTINUING EROSION/SEDIMENTATION CONTROL.
- THE PUBLIC RIGHT-OF-WAY SHALL BE KEPT CLEAN. TRACKING OF MUD AND DEBRIS FROM THE SITE WILL NOT BE ALLOWED. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN A STOP WORK ORDER PER MONROE MUNICIPAL CODE CHAPTER 12.32, CLEAN CONDITION OF PUBLIC RIGHT-OF-WAY.

SANITARY SEWER

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CITY OF MONROE STANDARDS AND SPECIFICATIONS.
- NO PART OF THE SANITARY SEWER SYSTEM SHALL BE COVERED, CONCEALED OR PUT INTO USE UNTIL IT HAS BEEN TESTED, INSPECTED, AND APPROVED BY THE CITY INSPECTOR.
- APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATIONS AND TO AVOID DAMAGE TO ANY ADDITIONAL UTILITIES NOT SHOWN. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
- ALL SEWER MAIN EXTENSIONS WITHIN THE PUBLIC RIGHT-OF-WAY OR IN EASEMENTS MUST BE STAKED BY SURVEY FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.

STORM DRAINAGE

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CITY OF MONROE STANDARDS.
- STORM WATER RETENTION/DETENTION FACILITIES, STORM PIPE, AND CATCH BASINS SHALL BE FLUSHED AND CLEANED PRIOR TO CITY ACCEPTANCE.
- ALL STORM DRAIN WORK MUST BE STAKED BY SURVEY FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.
- STORM STUBS SHALL BE MARKED WITH A 2"x4" BOARD AND LABELED "STORM" AND EXTENDED 15 FEET INTO PROPERTY. LOCATOR WIRE TO EXTEND TO TOP OF MARKER BOARD.
- THE CITY ENGINEER MAY REQUIRE TESTING AND TV INSPECTION OF STORM DRAIN LINES.

WATER

- FOR ALL DESIGN, CONSTRUCTION AND MATERIALS SPECIFICATIONS REFER TO THE CITY OF MONROE PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS.
- THE WATER MAIN SHALL BE INSTALLED ONLY AFTER THE ROADWAY SUBGRADE IS BACKFILLED, GRADED AND COMPACTED IN CUT AND FILL AREAS. THE ROAD CENTERLINE SHALL BE STAKED ALONG WITH THE PROPERTY CORNERS.
- IF THE INITIAL TAP OR EXTENSION REQUIRES SHUTTING DOWN AN EXISTING WATER MAIN, THE CITY MAY REQUIRE TWO WEEKS NOTIFICATION IN ORDER TO PLACE A PUBLIC NOTICE IN THE LOCAL PAPER. NO TAPS WILL BE ALLOWED ON FRIDAY, OR WEEKENDS. THE MONROE UTILITIES DEPARTMENT SHALL OPERATE ALL WATER VALVES IN RIGHT-OF-WAY.
- ALL FITTINGS AND MATERIALS REMOVED FROM EXISTING MAINS SHALL BE RETURNED TO THE UTILITIES DEPARTMENT.
- THE CONTRACTOR SHALL NOTIFY VESTED OWNERS OF EXISTING EASEMENTS IN WRITING 10 DAYS PRIOR TO STARTING WORK. A LETTER OF SATISFACTION OF RESTORATION OF EXISTING EASEMENT MUST BE SIGNED BY THE PROPERTY OWNER PRIOR TO CITY ACCEPTANCE.
- ALL ON-SITE FIRE PROTECTION IMPROVEMENT MUST BE APPROVED BY THE MONROE FIRE DEPARTMENT. LOCATION OF THE FIRE DEPARTMENT CONNECTION MUST BE APPROVED BY THE MONROE FIRE DEPARTMENT PRIOR TO INSTALLATION.
- NO CONNECTION TO EXISTING MAIN LINES WILL BE ALLOWED, EXCEPT BY MEANS OF AN APPROVED BACKFLOW PREVENTION DEVICE, PRIOR TO SATISFACTORY FLUSHING, TESTING, DISINFECTION, AND RECEIPT OF SATISFACTORY BACTERIOLOGICAL TESTS.

ABBREVIATIONS

AC	ASPHALT CONCRETE PAVEMENT	LF	LINEAL FEET
AP	ANGLE POINT	LT	LEFT
ATB	ASPHALT TREATED BASE	LUI	LAND USE INSPECTOR
AVE	AVENUE	MAX.	MAXIMUM
BCR	BEGIN CURB RETURN	MH	MANHOLE
BOC	BACK OF CURB	MIN.	MINIMUM
BOW	BOTTOM OF WALL	MJ	MECHANICAL JOINT
CASP	CRITICAL AREA SITE PLAN	N	NORTH
CB	CENTERLINE	NIC	NOT IN CONTRACT
CD	CATCH BASIN	O.C.	ON CENTER
CDF	CONTROLLED DENSITY FILL	PC	POINT OF CURVATURE
CMP	CORRUGATED METAL PIPE	PE	PLAIN END
COMPA	CORRUGATED METAL PIPE ARCH	PE-	POLYETHYLENE
COM	CITY OF MONROE	PI	POINT OF INTERSECTION
CONC.	CONCRETE	PL	PLACE
CONN.	CONNECTION	PT	POINT OF TANGENCY
CONT.	CONTINUOUS	PM	POINT OF VERTICAL INTERSECTION
CPP	CORRUGATED POLYETHYLENE PIPE (W/SMOOTH INTERIOR WALLS)	PUE	PUBLIC UTILITY EASEMENT
CSPC	CRUSHED SURFACING BASE COURSE	REQ'D.	REQUIRED
CSTC	CRUSHED SURFACING TOP COURSE	ROW	RIGHT-OF-WAY
DIAM.	DIAMETER	RT	RIGHT
DI	DUCTILE IRON	RWA	ROOSEVELT WATER ASSOCIATION
DW	DRIVEWAY	S	SOUTH
E	EAST	SD	STORM DRAIN
ECR	END CURB RETURN	SP	SPACE
DIA.	ELEVATION	SS	SANITARY SEWER
EOP	EDGE OF PAVEMENT	SSD	STOPPING SIGHT DISTANCE
ESC	EROSION AND SEDIMENT CONTROL	STA	STATION
ESD	ENTERING SIGHT DISTANCE	TBW	TOP BACK OF WALK
ESMT.	EASEMENT	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
EVA	EMERGENCY VEHICLE ACCESS	TOC	TOP OF CURB
EXIST.	EXISTING	TOW	TOP OF WALL
FL	FLOW LINE	TP	TOP OF PIPE
FL	FLANGE	TYP.	TYPICAL
FDC	FACE OF CURB	UNO	UNLESS NOTED OTHERWISE
HDPE	HIGH DENSITY POLYETHYLENE	VERT.	VERTICAL
HORIZ.	HORIZONTAL	WSDOT	WASHINGTON DEPT. OF TRANSPORTATION
IE	INVERT ELEVATION	W/	WITH
INT	INTERSECTION	W	WEST
LCPE	LINED CORRUGATED POLYETHYLENE	WF	WELDED FLANGE (HDPE)
		WS	WATER SERVICE

DESIGNED BY: CMD

DRAWN BY: PCE

MANAGED BY: MJH

CHECKED BY: JBS

DATE: 9/15/2025



REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C001



Know what's below.
Call before you dig.

WILLIAMS PIPELINE REQUIREMENTS

NOTIFICATION AND CONSTRUCTION SAFETY REQUIREMENTS

- IN ORDER TO PREVENT UNNECESSARY DELAYS, WILLIAMS ENCOURAGES CLOSE COMMUNICATION WITH OUR REPRESENTATIVE THROUGHOUT YOUR ENTIRE PROJECT. A WILLIAMS REPRESENTATIVE SHOULD PARTICIPATE IN ALL PRE-CONSTRUCTION MEETINGS. IN ADDITION, WILLIAMS CAN CONDUCT A SAFETY/INFORMATIONAL PRESENTATION TO ANY INTERESTED PARTIES, INCLUDING CONTRACTORS, LOCAL GOVERNMENTAL MAINTENANCE CREWS, AND DEVELOPERS.
- "ONE CALL" SYSTEMS REQUIRE 48 TO 72 HOURS' NOTICE PRIOR TO ANY EXCAVATION ACTIVITIES OR EQUIPMENT USE ON OR IN CLOSE PROXIMITY TO WILLIAMS PIPELINE FACILITIES. DIAL 811 TO BE CONNECTED TO YOUR STATE ONE CALL SYSTEM. NO EQUIPMENT USE OR EXCAVATION WILL OCCUR IN THE VICINITY OF WILLIAMS FACILITIES UNTIL NOTIFICATION TO 'ONE CALL' HAS BEEN MADE. A WILLIAMS REPRESENTATIVE WILL BE ON SITE PRIOR TO AND DURING ANY EQUIPMENT USE OR EXCAVATION ACTIVITIES. ANY CROSSINGS MADE WITHOUT A WILLIAMS REPRESENTATIVE ON SITE WILL BE EXCAVATED AT THE EXCAVATOR'S EXPENSE TO PROVIDE WILLIAMS AN OPPORTUNITY TO INSPECT ALL AFFECTED PIPELINE FACILITIES.
- EXCAVATIONS MUST BE BARRICADED TO PROTECT WILLIAMS PIPELINES FROM EXPOSURE TO VEHICULAR TRAFFIC AND TO ENSURE PUBLIC SAFETY. WILLIAMS REPRESENTATIVES MUST BE PROVIDED SAFE ACCESS TO ALL OPEN EXCAVATIONS. EXCAVATIONS MUST BE PROPERLY SLOPED OR SHORED IN ACCORDANCE WITH OSHA REGULATIONS.

GENERAL REQUIREMENTS

- NO ABOVE GROUND STRUCTURES OR APPURTENANCES ARE TO BE LOCATED WITHIN THE WILLIAMS RIGHT OF WAY. THE STRUCTURES AND APPURTENANCES INCLUDE, BUT ARE NOT LIMITED TO: UTILITY POLES, TOWERS, FOUNDATIONS, GUY WIRES, STRUCTURES SUPPORTING AERIAL LINES, SATELLITE DISHES, MANHOLES, CATCH BASINS, UTILITY PEDESTALS, TRANSFORMERS, FIRE HYDRANTS, UTILITY SHEDS, DECKS, SWIMMING POOLS WITH ASSOCIATED IMPROVEMENTS, ETC.
- AN AUTHORIZED WILLIAMS REPRESENTATIVE MUST BE ON SITE PRIOR TO AND DURING ANY SURFACE-DISTURBING WORK OR EQUIPMENT CROSSINGS PERFORMED WITHIN THE RIGHT OF WAY. WILLIAMS REPRESENTATIVE WILL ASSIST IN DETERMINING THE LOCATION OF THE PIPELINE, THE RIGHT OF WAY WIDTH, AND EXISTING COVER OVER THE PIPELINE AND WILL REMAIN ON SITE TO MONITOR ALL ACTIVITIES WITHIN THE RIGHT OF WAY.
- NO CUT OR FILL ON THE WILLIAMS RIGHT OF WAY IS PERMITTED WITHOUT WILLIAMS WRITTEN APPROVAL.
- WILLIAMS, AT ITS DISCRETION, MAY REQUEST EVIDENCE OF COMPREHENSIVE GENERAL LIABILITY INSURANCE COVERAGE (UP TO \$5,000,000 COVERAGE) AND OTHER APPROPRIATE AND USUAL INSURANCE PRIOR TO ANY ACTIVITY, MAINTENANCE, AND/OR CONSTRUCTION ON OR NEAR WILLIAMS RIGHT OF WAY AND FACILITIES. IN THE EVENT OF SIGNIFICANT EXCAVATION UNDER OR OVER WILLIAMS PIPELINES, WILLIAMS WILL REQUIRE THAT THE APPLICABLE WILLIAMS PIPELINE COMPANY BE NAMED AS ADDITIONAL INSURED ON THE CERTIFICATE OF LIABILITY INSURANCE. THE INSURANCE LIMITS, TERMS, AND CONDITIONS THAT MAY BE REQUIRED WILL BE DEPENDENT ON THE SPECIFIC FACILITIES POTENTIALLY IMPACTED AND WHAT WOULD BE USUALLY AND PRUDENTLY OBTAINED IN SIMILAR INDUSTRY SITUATIONS.
- ALL FOREIGN LINES WILL CROSS WILLIAMS RIGHT OF WAY AT AN ANGLE AS NEAR TO 90 DEGREES AS POSSIBLE. IN SITUATIONS WHERE THERE ARE MULTIPLE PARALLEL WILLIAMS PIPELINES, THE PROPOSED FOREIGN LINES WILL EITHER CROSS OVER OR UNDER ALL OF WILLIAMS PIPELINES IN THE RIGHT OF WAY. NO HORIZONTAL OR VERTICAL BENDS ARE PERMITTED WITHIN WILLIAMS RIGHT OF WAY. PARALLEL OCCUPANCY OF WILLIAMS RIGHT OF WAY WILL NOT BE PERMITTED.
- ALL FOREIGN LINES CROSSING WILLIAMS PIPELINE OR RELATED FACILITIES WILL BE INSTALLED WITH A MINIMUM OF 24" OF CLEARANCE BETWEEN THE EXISTING WILLIAMS FACILITIES AND THE PROPOSED FOREIGN LINE. THE FOREIGN LINE WILL BE INSTALLED AT A UNIFORM DEPTH ACROSS THE FULL WIDTH OF THE WILLIAMS RIGHT OF WAY. WILLIAMS MAY REQUIRE THAT ALL FOREIGN LINES BE INSTALLED UNDER ITS EXISTING PIPELINES AND RELATED FACILITIES.
- WILLIAMS FACILITIES ARE ELECTRICALLY PROTECTED AGAINST CORROSION. EACH METALLIC FOREIGN LINE THAT ENTERS OR CROSSES WILLIAMS RIGHT OF WAY MUST HAVE A TEST LEAD INSTALLED. IN ADDITION, THE UTILITY CONTRACTOR INSTALLING THE METALLIC FOREIGN LINE MUST EXCAVATE AND EXPOSE ONE OR MORE OF WILLIAMS EXISTING PIPELINES TO PROVIDE FOR THE INSTALLATION OF TEST LEADS BY WILLIAMS EMPLOYEES. ALL NECESSARY MEASURES (COATINGS, ELECTRICAL BONDS, ETC.) WILL BE TAKEN TO ENSURE THAT THE PROPOSED PIPE OR UTILITY IS ADEQUATELY PROTECTED FROM POTENTIAL INTERFERENCE EFFECTS. REQUESTS FOR COOPERATIVE TESTING WILL BE DIRECTED TO WILLIAMS DIVISION OFFICE, "ATTN.: SUPERVISOR, ASSET INTEGRITY."
- WILLIAMS MAY REQUIRE THAT FOREIGN LINES BE IDENTIFIED WITH PERMANENT ABOVEGROUND MARKERS WHERE THE LINES ENTER AND EXIT THE WILLIAMS RIGHT OF WAY IT IS THE LINE OWNER'S RESPONSIBILITY TO OBTAIN ANY RIGHTS TO INSTALL THE MARKERS, AND TO MAINTAIN THE MARKERS. A DIRECT BURIAL WARNING TAPE SHOULD BE PLACED 12" TO 18" ABOVE THE FOREIGN LINE AND EXTEND ACROSS THE ENTIRE WIDTH OF WILLIAMS RIGHT OF WAY.
- FOREIGN LINES CROSSING WILLIAMS FACILITIES WILL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS GOVERNING SUCH INSTALLATIONS.
- STOCKPILING BRUSH, TRASH, OR OTHER DEBRIS ON THE RIGHT OF WAY IS PROHIBITED, AS IT MAY CONCEAL PIPELINE MARKERS AND HINDER PIPELINE INSPECTIONS OR ROUTINE MAINTENANCE.

EXCAVATION AND BLASTING

- PLANS FOR EXCAVATION ON THE RIGHT OF WAY REQUIRE PRIOR APPROVAL BY WILLIAMS. NO MACHINE EXCAVATION WILL BE PERFORMED WITHIN 24" OF WILLIAMS PIPELINES OR RELATED FACILITIES. WILLIAMS ONSITE REPRESENTATIVE MAY REQUIRE HAND DIGGING AT A DISTANCE GREATER THAN 24".
- WHEN A BACKHOE IS USED FOR EXCAVATION, THE BUCKET TEETH SHOULD BE CURLED UNDER EACH TIME THE BUCKET IS BROUGHT BACK INTO THE DITCH TO REDUCE THE CHANCE OF THE TEETH CONTACTING THE PIPELINE. SIDE CUTTERS MUST BE REMOVED FROM ALL BUCKETS. AT THE DISCRETION OF WILLIAMS ONSITE REPRESENTATIVE, A BAR MAY HAVE TO BE WELDED ACROSS THE BUCKET TEETH.
- NO MECHANICAL EXCAVATION MAY BE PERFORMED BY REACHING OVER ANY WILLIAMS FACILITIES.
- PRIOR TO ANY PLOWING OR RIPPING OF SOIL ON THE RIGHT OF WAY, PARTICULARLY IN ASSOCIATION WITH AGRICULTURAL ACTIVITIES, PLANS SHOULD BE REVIEWED WITH YOUR LOCAL WILLIAMS REPRESENTATIVE TO ENSURE PROPER COVER EXISTS. NO VIBRATORY PLOWS ARE PERMITTED TO BE USED ON THE WILLIAMS RIGHT OF WAY.
- A DETAILED BLASTING PLAN MUST BE SUBMITTED FOR REVIEW AND WRITTEN AUTHORIZATION PRIOR TO ANY PROPOSED BLASTING WITHIN 300' (CONSULT WITH WILLIAMS FOR SURFACE MINING REQUIREMENTS) OF WILLIAMS PIPELINE FACILITIES AND A WILLIAMS REPRESENTATIVE MUST BE ON SITE DURING ALL BLASTING. IN ORDER TO PROVIDE FOR NECESSARY AND APPROPRIATE ANALYSIS BY WILLIAMS, EACH LICENSED BLASTING CONTRACTOR MUST ALSO COMPLETE AND SUBMIT A WILLIAMS BLASTING DATA SHEET. THE BLASTING PLAN AND DATA SHEETS MUST BE SUBMITTED A MINIMUM OF TEN BUSINESS DAYS PRIOR TO THE PROPOSED BLASTING. SPECIFIC REQUIREMENTS APPLICABLE TO PROPOSED BLASTING WILL BE PROVIDED TO THE LICENSED BLASTING CONTRACTOR.

EQUIPMENT CROSSING

- TO PROTECT WILLIAMS PIPELINES FROM EXTERNAL LOADING, WILLIAMS MUST PERFORM AN ENGINEERING EVALUATION TO DETERMINE THE EFFECTS OF ANY PROPOSED EQUIPMENT USE. MATS, TIMBER BRIDGES, OR OTHER PROTECTIVE MATERIALS DEEMED NECESSARY BY WILLIAMS WILL BE PLACED OVER WILLIAMS FACILITIES FOR THE DURATION OF ANY LOADING. PROTECTIVE MATERIALS WILL BE PURCHASED, PLACED, AND REMOVED AT NO COST TO WILLIAMS. THE RIGHT OF WAY MUST BE RETURNED TO ITS ORIGINAL CONDITION.
- WILLIAMS MAY REQUIRE TEMPORARY MARKINGS TO IDENTIFY AREAS WHERE EQUIPMENT USE IS AUTHORIZED.
- NO VIBRATORY EQUIPMENT IS PERMITTED WITHIN THE LIMITS OF, OR IN CLOSE PROXIMITY TO, THE WILLIAMS RIGHT OF WAY.

NON-OCCUPANCY STRUCTURE

THIS SECTION DETAILS ENCRoACHMENT DETAILS ON SHEDS, BARNs, CAR PORTS, RETAINING WALLS, STORAGE DRUMS, GARAGES, LARGE DEBRIS, OLD CARS, TRAILERS, SCRAP METAL, BOULDERS, SATELLITE DISHES, MANHOLES, FIRE HYDRANTS, ETC. BUILDINGS OR STRUCTURES, WHETHER OCCUPIED OR NOT, MAY NOT BE CONSTRUCTED WITHIN A COMPANY EASEMENT. NO ABOVE GROUND STRUCTURES OR APPURTENANCES ARE TO BE LOCATED WITHIN THE COMPANY ROW. THE STRUCTURES AND APPURTENANCES INCLUDE, BUT ARE NOT LIMITED TO: TOWERS, SATELLITE DISHES, MANHOLES, CATCH BASINS, UTILITY PEDESTALS, TRANSFORMERS, FIRE HYDRANTS, UTILITY SHEDS, PLAYHOUSES, GARAGES, PATIOS, SLABS/FOUNDATIONS, DECKS, SWIMMING POOLS WITH ASSOCIATED IMPROVEMENTS, OR SIMILAR STRUCTURES. LARGE DEBRIS SUCH AS OLD CARS, TRAILERS, SCRAP METAL, BOULDERS, ETC., WILL NOT BE PERMITTED ON THE ROW. THE ROW MUST BE KEPT CLEAR FOR MAINTENANCE AND INSPECTION.

SUBSURFACE CROSSING UTILITY

- UTILITIES CROSSING WILLIAMS FACILITIES ARE REQUIRED TO BE CASED TO PROTECT THE INTEGRITY OF THE UTILITY AND THE SAFETY OF WILLIAMS AND THIRD-PARTY EXCAVATORS IN THE FUTURE.
- ALL BURIED COMMUNICATIONS (OTHER THAN SINGLE RESIDENTIAL TELEPHONE AND TV) CROSSING WILLIAMS FACILITIES WILL BE INSTALLED WITH ENCASED, RIGID, NON-METALLIC CONDUIT THE FULL WIDTH OF WILLIAMS RIGHT OF WAY. PER ON SITE PERSONNEL, CONDITIONS MAY WARRANT (SPANNING ISSUES, SHORING) STEEL CONDUIT ACROSS THE WIDTH OF THE ROW WHEN PIPELINES ARE EXPOSED.
- ALL BURIED ELECTRIC CABLES (OTHER THAN 24-VOLT DC POWER LINES), INCLUDING SINGLE RESIDENTIAL SERVICE DROPS, CROSSING WILLIAMS FACILITIES WILL BE INSTALLED IN ENCASED, RIGID, NON-METALLIC CONDUIT THE FULL WIDTH OF WILLIAMS RIGHT OF WAY. PER ON SITE PERSONNEL, CONDITIONS MAY WARRANT STEEL CONDUIT ACROSS THE WIDTH OF THE ROW WHEN PIPELINES ARE EXPOSED.
- ALL BURIED SINGLE RESIDENTIAL TELEPHONE, CABLE TV, AND 24VOLT DC POWER WILL BE ENCASED IN SCHEDULE 40 PVC CASING FOR THE FULL WIDTH OF WILLIAMS RIGHT OF WAY.
- ALL FIBER OPTIC CABLE, INCLUDING SINGLE DROPS, WILL BE INSTALLED ENCASED, RIGID, NON-METALLIC CONDUIT THE FULL WIDTH OF WILLIAMS RIGHT OF WAY. PER ON SITE PERSONNEL, CONDITIONS MAY WARRANT STEEL CONDUIT ACROSS THE WIDTH OF THE ROW WHEN PIPELINES ARE EXPOSED.
- ALL SANITARY SEWER AND PRESSURIZED WATER LINES WILL BE INSTALLED WITH ENCASED, RIGID, NON-METALLIC CONDUIT THE FULL WIDTH OF WILLIAMS RIGHT OF WAY. PER ON SITE PERSONNEL, CONDITIONS MAY WARRANT (SPANNING ISSUES, SHORING) STEEL CONDUIT ACROSS THE WIDTH OF THE ROW WHEN PIPELINES ARE EXPOSED. GRAVITATIONAL FLOW SYSTEMS WILL BE EITHER: (1) DUCTILE IRON OR STEEL PIPE (ADEQUATELY PROTECTED FROM WILLIAMS CATHODIC PROTECTION SYSTEM), (2) PLASTIC PIPE INSTALLED IN STEEL CASING, OR (3) CONCRETE PIPE FOR THE FULL WIDTH OF WILLIAMS RIGHT OF WAY. NO PIPING CONNECTIONS WILL BE ALLOWED WITHIN 5' OF ANY WILLIAMS PIPELINE. ALL DUCTILE IRON UTILITY CROSSINGS WILL INCLUDE RESTRAINED JOINTS FOR THE FULL WIDTH OF WILLIAMS RIGHT OF WAY.
- NO SEPTIC TANKS, LIQUID DISPOSAL SYSTEMS, OR HAZARDOUS WASTE DISPOSAL SYSTEMS WILL BE ALLOWED ON WILLIAMS RIGHT OF WAY OR WITHIN 25' OF WILLIAMS FACILITIES. THIS PROHIBITION INCLUDES, BUT IS NOT LIMITED TO, FACILITIES THAT HAVE THE POTENTIAL OF DISCHARGING EFFLUENT FROM SEWAGE DISPOSAL SYSTEMS, THE DISCHARGE OF ANY HYDROCARBON SUBSTANCE, THE DISCHARGE OR DISPOSAL OF ANY REGULATED WASTE, OR ANY OTHER DISCHARGE THAT MAY PROVE DAMAGING OR CORROSIVE TO WILLIAMS FACILITIES.
- ALL PLASTIC COMBUSTIBLE MATERIAL LINES WILL BE INSTALLED IN STEEL CASING FOR THE FULL WIDTH OF WILLIAMS RIGHT OF WAY.
- WILLIAMS MAY REQUIRE THAT STEEL COMBUSTIBLE MATERIAL LINES (ADEQUATELY PROTECTED FROM WILLIAMS CATHODIC PROTECTION SYSTEM) BE INSTALLED UNDER EXISTING WILLIAMS PIPELINE FACILITIES.
- WILLIAMS EXISTING PIPELINE FACILITIES WILL BE POTHOLED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL FACILITIES PRIOR TO ANY PROPOSED TRENCHLESS CONSTRUCTION OPERATION. ONCE ALL REQUIRED POTHOLES HAVE BEEN PERFORMED, BOTH PLAN VIEW AND PROFILE DRAWINGS SHOWING BOTH WILLIAMS EXISTING FACILITIES AND THE PROPOSED TRENCHLESS CROSSING ALIGNMENT AND PROFILE WILL BE SUBMITTED TO WILLIAMS. PLAN AND PROFILE DRAWINGS ARE REQUIRED FOR ALL PROPOSED TRENCHLESS CONSTRUCTION OPERATIONS. IF NOT COMPLETED, WILLIAMS MAY REQUIRE A SUBSURFACE GEOTECHNICAL INVESTIGATION BE COMPLETED PRIOR TO CONSTRUCTION.
- ALL PROPOSED TRENCHLESS CONSTRUCTION METHODS MAY INCLUDE THE INSTALLATION OF STEEL CASING FOR THE FULL WIDTH OF WILLIAMS RIGHT OF WAY.
- DEPENDING ON THE TRENCHLESS METHOD CHOSEN, DISTANCE BETWEEN WILLIAMS FACILITIES AND THE PROPOSED CROSSING ALIGNMENT AND PROFILE, AND DEPTH OF COVER, WILLIAMS MAY REQUIRE INSPECTION HOLES TO BE EXCAVATED TO VERIFY THE DEPTH OF THE BORE AS IT APPROACHES EACH PIPELINE. INSPECTION HOLES MUST BE EXCAVATED TO ALLOW WILLIAMS ON-SITE REPRESENTATIVE TO VISUALLY SEE THE BORING HEAD PRIOR TO THE POINT WHERE IT TRAVELS BENEATH EACH PIPELINE.
- IF INSPECTION HOLES ARE NOT PERFORMED, THE CONTRACTOR SHALL MONITOR THE LOCATION WITH PRECISE DOWNHOLE SURVEY INSTRUMENTS AND VERIFY IT WITH SURFACE LOCATION EQUIPMENT (I.E. TRUTRACKER, PARATRACK, OR EQUIVALENT). THE CONTRACTOR MUST PROVIDE WILLIAMS THE COMPUTER PRINTOUT OF THE DIRECTIONAL SURVEY AND TRUTRACKER/PARATRACK (OR EQUIVALENT) REPORTS GENERATED BY THE DOWNHOLE SURVEY TOOLS DAILY. REPORT DATA SHALL BE IN A FORMAT SUITABLE FOR INDEPENDENT CALCULATION OF THE SURVEY. DEVIATIONS BETWEEN THE RECORDED POSITION AND THE PLAN AND PROFILE DRAWING SHALL BE DOCUMENTED AND IMMEDIATELY BROUGHT TO THE ATTENTION OF WILLIAMS. CONTRACTOR SHALL NOTIFY WILLIAMS ON-SITE REPRESENTATIVE OF ANY DRILL PROFILE FAILING TO MEET THE SPECIFICATIONS.
- FOR A WILLIAMS ASSET THAT WAS INSTALLED BY TRENCHING METHODS, ALL TRENCHLESS CONSTRUCTION SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 5 FEET FROM A WILLIAMS PIPELINE WHEN CROSSING IT PERPENDICULAR. FOR ANY TRENCHLESS CONSTRUCTION NOT PERPENDICULAR TO A WILLIAMS PIPELINE, THERE SHALL BE A MINIMUM THREE-DIMENSIONAL SEPARATION OF 10 FEET. A WILLIAMS REPRESENTATIVE SHALL BE ON SITE TO WITNESS THE BORE STAKING, PILOT HOLE SIGHTINGS, OBSERVATION HOLE, AND ANY OTHER ACTIVITY ASSOCIATED WITH THE DRILL OR BORE.
- FOR A WILLIAMS ASSET THAT WAS INSTALLED BY TRENCHLESS METHODS, ALL TRENCHLESS CONSTRUCTION SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 10 FEET FROM A WILLIAMS PIPELINE WHEN CROSSING IT PERPENDICULAR. FOR ANY TRENCHLESS CONSTRUCTION NOT PERPENDICULAR TO A WILLIAMS PIPELINE, THERE SHALL BE A MINIMUM THREE-DIMENSIONAL SEPARATION OF 25 FEET. A WILLIAMS REPRESENTATIVE SHALL BE ON SITE TO WITNESS THE BORE STAKING, PILOT HOLE SIGHTING, OBSERVATION HOLE, AND ANY OTHER ACTIVITY ASSOCIATED WITH THE DRILL OR BORE.
- AN EXAMPLE SCENARIO FOR THREE-DIMENSIONAL SEPARATION WOULD BE 18 FEET LATERAL SEPARATION AND 18 FEET VERTICAL SEPARATION, WHICH WOULD RESULT IN APPROXIMATELY 25 FEET SEPARATION. SEE FIGURE 1.
- CONTRACTOR SHALL CHECK FOR GROUND SUBSIDENCE PERIODICALLY ALONG ALL ATTEMPTED TRENCHLESS CROSSINGS AND THE FINAL CORRIDOR WITHIN WILLIAMS RIGHT-OF-WAY AND NOTIFY WILLIAMS ON-SITE REPRESENTATIVE IMMEDIATELY UPON FINDINGS. CONTRACTOR SHALL FILL ANY VOIDS WITH A CEMENT GROUT, COMPACT SUBSOIL WITHIN THE WILLIAMS RIGHT-OF-WAY, AND RESTORE THE GROUND SURFACE TO ORIGINAL CONTOURS AND CONDITIONS.
- IF FOR ANY REASON THE PROPOSED TRENCHLESS METHOD FAILS DURING CONSTRUCTION OR IF ANY HOLE IS ABANDONED DURING THE PROCESS, CONTRACTOR SHALL FILL ABANDONED HOLES AND/OR SUBSURFACE VOIDS WITHIN WILLIAMS RIGHT-OF-WAY ENTIRELY WITH A CEMENT GROUT.
- UPON 15 DAYS OF SUBCOMPLETION, CONTRACTOR SHALL FURNISH THE ALIGNMENT AND PROFILE AS-BUILT DRAWING WITH A DESCRIPTION OF THE SURVEY DATA USED TO DETERMINE THE AS-BUILT LOCATION AND A STATEMENT OF ACCURACY USED TO CREATE THE DRAWING. THE DRAWING SHALL BE SUBMITTED IN BOTH AUTOCAD AND PDF FORMAT AND CONTAIN ALL DATA POINTS THAT ARE WITHIN THE WILLIAMS RIGHT-OF-WAY REPRESENTING FINAL ALIGNMENT AND PROFILE, ANY ABANDONED HOLES, TOOLS, STRINGS OF DRILL PIPE, ETC. OVERLAID ON THE PLAN AND PROFILE DRAWING.

STATEMENT REGARDING RIGHTS

- NOTHING CONTAINED HEREIN WILL BE CONSTRUED TO CONVEY, WAIVE, OR SUBORDINATE ANY OF WILLIAMS EXISTING RIGHTS WHATSOEVER.
- WILLIAMS WILL BE FULLY AND COMPLETELY COMPENSATED FOR ANY DAMAGES TO ITS FACILITIES RESULTING FROM THE ACTS OF THIRD PARTIES WHO ARE WORKING IN THE VICINITY OF WILLIAMS FACILITIES WITH OR WITHOUT WILLIAMS CONSENT.
- WILLIAMS WILL BE INDEMNIFIED FROM AND AGAINST ALL CLAIMS, LOSSES, DEMANDS, DAMAGES, CAUSES OF ACTION, SUITS, AND LIABILITY OF EVERY TYPE AND CHARACTER, INCLUDING ALL EXPENSES OF LITIGATION, COURT COSTS, AND ATTORNEYS' FEES, FOR INJURY TO OR DEATH OF ANY PERSON, OR FOR DAMAGE TO ANY PROPERTY, ARISING OUT OF OR IN CONNECTION WITH THIRD PARTY WORK IN THE VICINITY OF WILLIAMS FACILITIES.



AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.985.2390
WWW.AKS-ENG.COM

ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT

CITY PROJECT NO. M2025-0009
WASHINGTON
CITY OF MONROE, SNOHOMISH COUNTY.

WILLIAMS PIPELINE
REQUIREMENTS

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS

DATE: 9/15/2025



REVISIONS
90% REVIEW SUBMITTAL

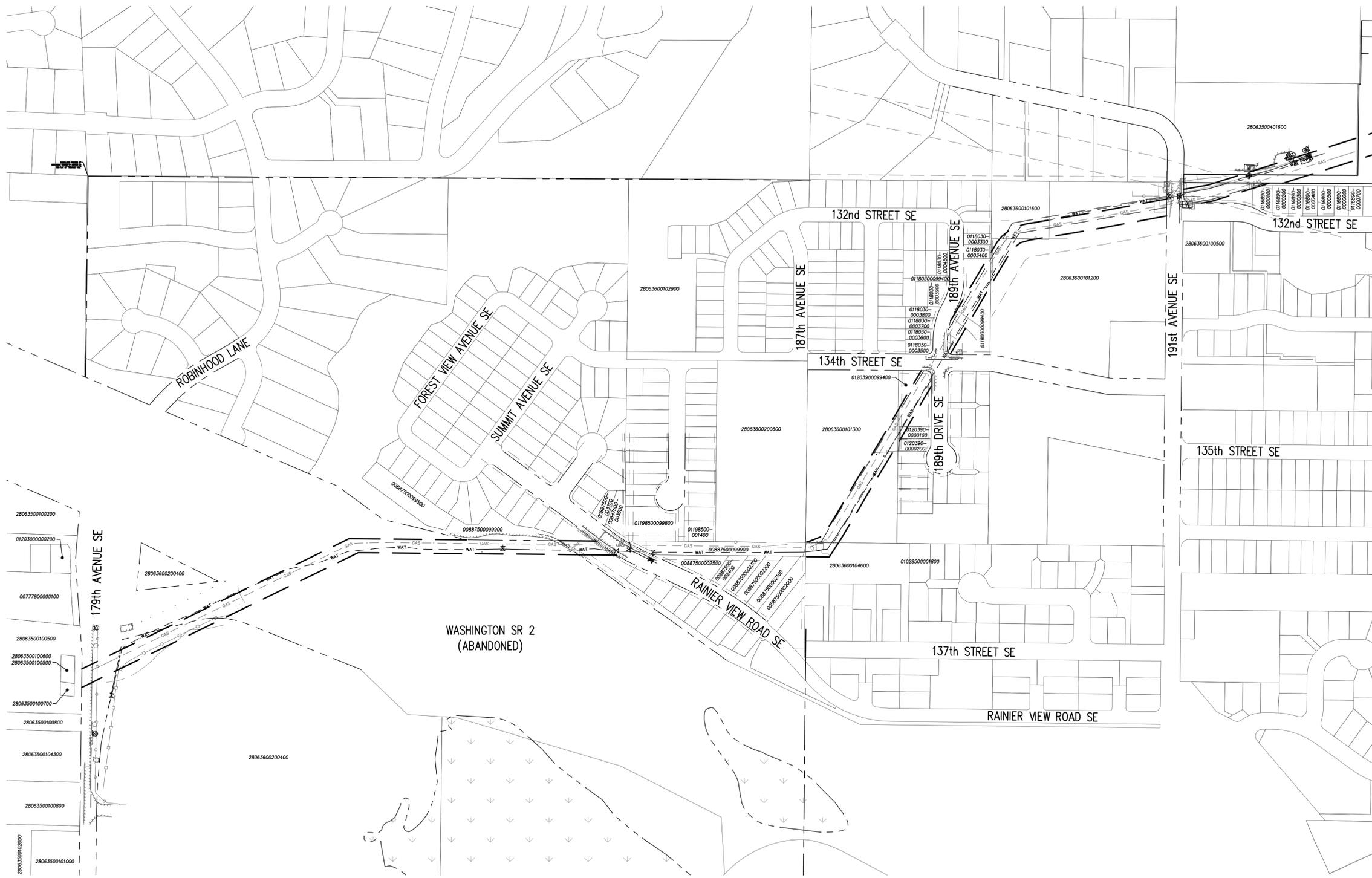
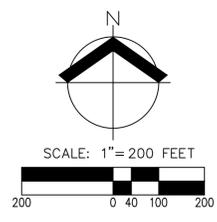


JOB NUMBER
12421-01

SHEET
C002



Know what's below.
Call before you dig.



ADJACENT PROPERTY OWNERS											
PARCEL ID	PARCEL ADDRESS	PARCEL OWNER	PARCEL ID	PARCEL ADDRESS	PARCEL OWNER	PARCEL ID	PARCEL ADDRESS	PARCEL OWNER	PARCEL ID	PARCEL ADDRESS	PARCEL OWNER
777800000100	13624 179TH AVE SE	E HURST FAMILY TRUST	116890000200	19195 132ND ST SE	ZIRIANS TAMARA	1180300099400	UNKNOWN	SWEETBRIAR AT MONROE HOA	28063500100700	179TH AVE SE	PUGET SOUND ENERGY/GAS
887500002000	18651 RAINIER VIEW RD SE	BURTON THERESA	116890000300	19213 132ND ST SE	RAVINDRAN PERUMALSAMY/JEYARAJ KRISHNIKA	1180300099400	UNKNOWN	SWEETBRIAR AT MONROE HOA	28063500100800	13812 179TH AVE SE	HABICH DARYL J
887500002100	18639 RAINIER VIEW RD SE	ANDERSON ROBERT & BETTY/ANDERSON JAMES	116890000400	19227 132ND ST SE	KINGSLEY GARY R & PATRICIA L	1198500001400	13585 185TH DR SE	CHEEMALAVAGUPALLI SAI T R	28063500101000	13972 179TH AVE SE	CALIFORNIA INDUSTRIAL FACILITIES
887500002200	18627 RAINIER VIEW DR SE	RODRIGUEZ TEODORO R/MEJIA OLGA LIDIA	116890000500	19243 132ND ST SE	KHAN SHARJIL/HASSAN NUDRAT	1198500099800	UNKNOWN	SKYCROFT HOMEOWNERS ASSOCIATION	28063500102000	UNKNOWN UNKNOWN	HOTES LLC
887500002300	18615 RAINIER VIEW RD SE	ANTEROLA LEONARD S & DIONE R	116890000600	19255 132ND ST SE	INNOCENTI RICHARD	1203000002000	13608 179TH AVE SE UNIT 2	HURST JERAN L	28063500104300	13812 179TH AVE SE	HABICH LINDA C
887500002400	18601 RAINIER VIEW RD	EATON MICHAEL J	116890000700	19261 132ND ST SE	DOMADULA NAVEEN KASHYAP	1203900000100	13486 189TH DR SE	REDDY RAMAKRISHNA R B & MALATHI R B	28063600100500	13221 191ST AVE SE	MALONE CARL JAMES
887500002500	18585 RAINIER VIEW RD SE	MESSEX THOMAS D	1180300003300	13251 189TH AVE SE	MERRYMAN STEVEN A & CATHERINE J	1203900000200	13492 189TH DR SE	BHEMINENI MANOJ K & KAJA JAHNAVI	28063600101200	13224 191ST AVE SE	TROMBLEY SHIRLEY M LIVING TRUST
887500003600	18487 RAINIER VIEW RD SE	FALCONE JAMIE/FRANKLIN JORDAN	1180300003400	13263 189TH AVE SE	LANDRUM STONEY & KAIRA	1203900099400	UNKNOWN	BELMONT TERRACE HOMEOWNERS ASSOCIATION	28063600101300	18718 134TH ST SE	SOUTH LAKE RIDGE LLC
887500003700	18469 RAINIER VIEW RD SE	PRATHER GARY ALLEN	1180300003500	13388 189TH AVE SE	DURGARAJU LAKSHMI N R & ATURI SUNANDA	1203900099400	UNKNOWN	BELMONT TERRACE HOMEOWNERS ASSOCIATION	28063600101600	13214 191ST AVE SE	CTI TOWERS ASSETS I LLC
887500099500	UNKNOWN UNKNOWN	CITY OF MONROE	1180300003600	13374 189TH AVE SE	SIHVONEN JARKKO & TIIA	28062500401600	13181 191ST AVE SE	CITY OF MONROE	28063600102900	UNKNOWN	DRH ENERGY INC
887500099900	UNKNOWN UNKNOWN	NORTH CREST DEV CORP	1180300003700	13350 189TH AVE SE	HUSEIN SHAMEER K/SHAMEER NISUREEN S	28063500100200	17824 136TH PL SE	VAAGA JOSHUA	28063600104600	18809 137TH ST SE	METCALF BRIAN & MANDY
887500099900	UNKNOWN UNKNOWN	NORTH CREST DEV CORP	1180300003800	13346 189TH AVE SE	JOHNSON MATTHEW T	28063500100500	13708 179TH AVE SE	WETLESEN PAMELA I/ FALCON ANDREW D/LENHA	28063600200400	UNKNOWN UNKNOWN	SNOHOMISH CO PROP MGMT
1028500001800	18819 136TH PL SE	MANALO DANIEL & JAIME	1180300003900	18886 133RD PL SE	GAURAV ANAND/SAXENA RACHNA	28063500100500	13708 179TH AVE SE	WETLESEN PAMELA I/ FALCON ANDREW D/LENHA	28063600200400	UNKNOWN UNKNOWN	SNOHOMISH CO PROP MGMT
1168900000100	19187 132ND ST SE	SATHER SCOTT	1180300004500	18893 133RD PL SE	DADYAN VLADISLAV G & IRINA A KASPAROVA	28063500100600	179TH AVE SE	NORTHWEST PIPELINE CORP	28063600200600	18614 134TH ST SE	SOUTH LAKE RIDGE LLC

AKS DRAWING FILE: 12421-01_C003_EXISTING_LAYOUTS_C003_EXISTING_CONDITIONS_PLAN



AKS
 AKS ENGINEERING & FORESTRY, LLC
 11321 B. NE 120TH ST
 KIRKLAND, WA 98034
 425.285.2390
 WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
 FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
 MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
 CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

EXISTING CONDITIONS PLAN

DESIGNED BY: CMD
 DRAWN BY: PCE
 MANAGED BY: M.J.H.
 CHECKED BY: J.B.S.

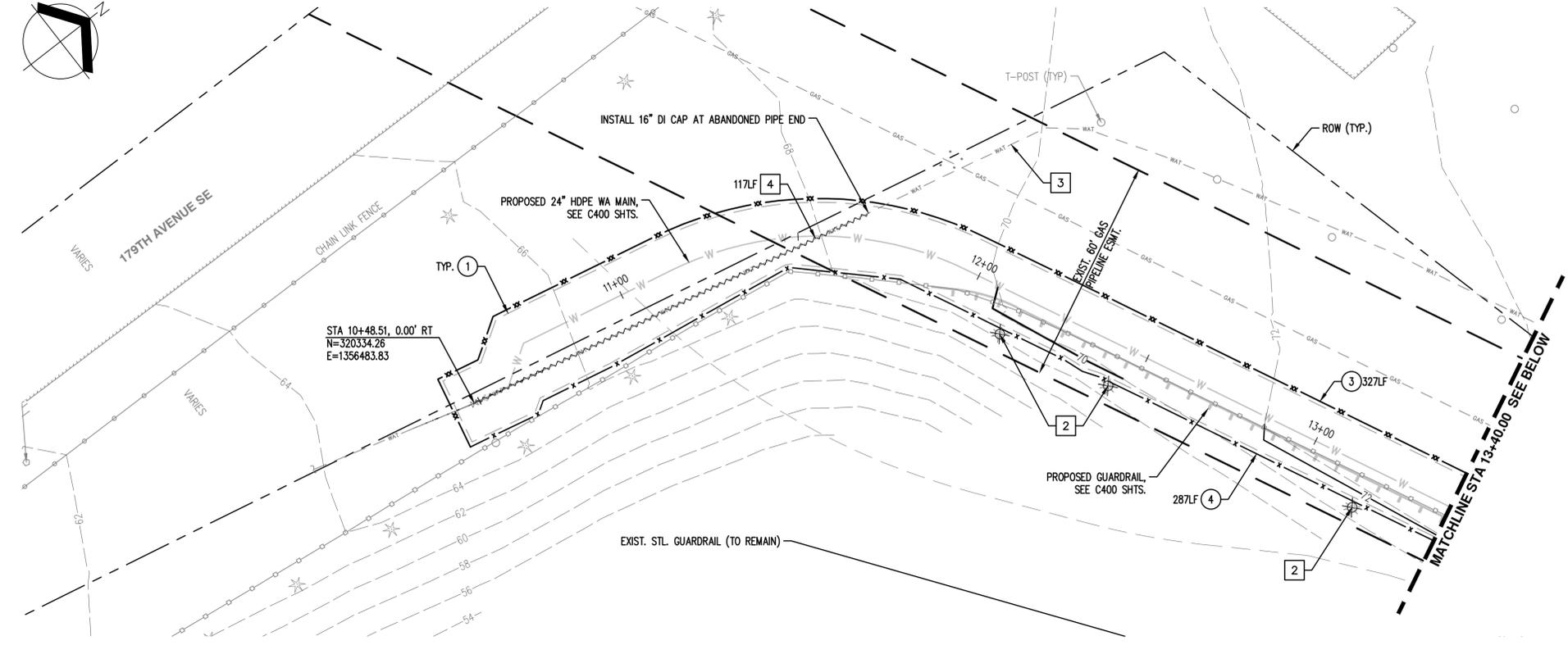


REVISIONS
 90% REVIEW SUBMITTAL

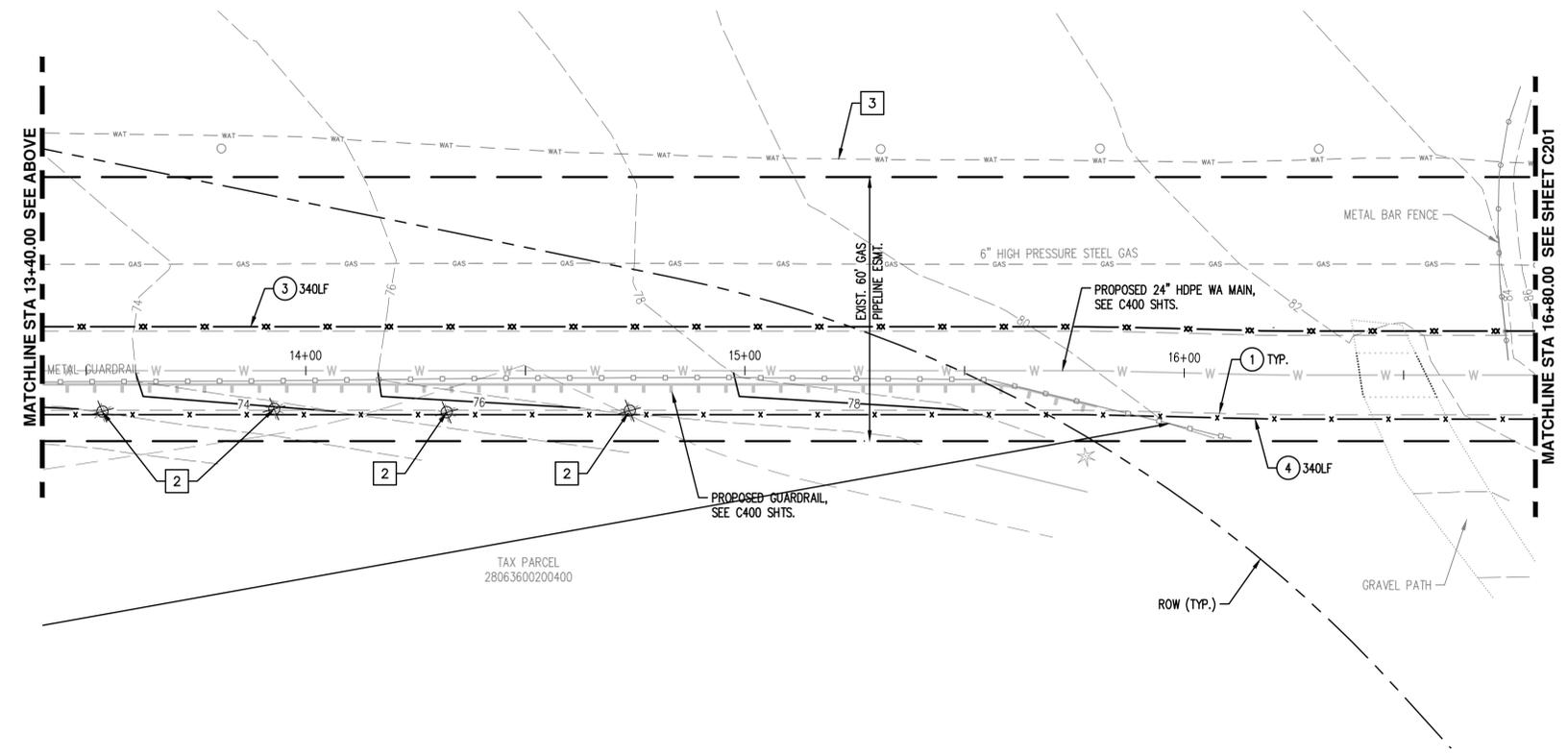
DATE: 9/15/2025

JOB NUMBER
12421-01

SHEET
C003



STA 10+48.51, 0.00' RT
 N=320334.26
 E=1356483.83



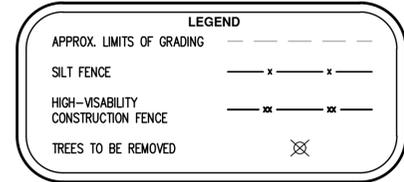
TAX PARCEL
 28063600200400

TESC KEYED NOTES -- GENERAL #

1. APPROX. LIMIT OF GRADING
2. STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
3. CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
4. SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

DEMOLITION KEYED NOTES -- GENERAL #

1. PROTECT EXIST. VEGETATION
2. REMOVE EXIST. TREE
3. ABANDON EXIST. WATER MAIN
4. REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN

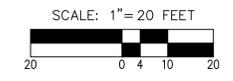
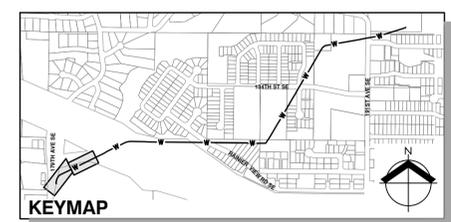


NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
2. EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:

1. THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
2. THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS.
3. CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
4. THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



AKS
 AKS ENGINEERING & FORESTRY, LLC
 11321 B. NE 120TH ST
 KIRKLAND, WA 98034
 425.985.2390
 WWW.AKS-ENG.COM

**TROMBLEY HILL TRANSMISSION
 MAIN REPLACEMENT**
 CITY PROJECT NO. M2025-0009
 WASHINGTON
 CITY OF MONROE, SNOHOMISH COUNTY

**TESC AND
 DEMOLITION PLAN**

DESIGNED BY: CMD
 DRAWN BY: PCE
 MANAGED BY: M.J.H.
 CHECKED BY: J.B.S.

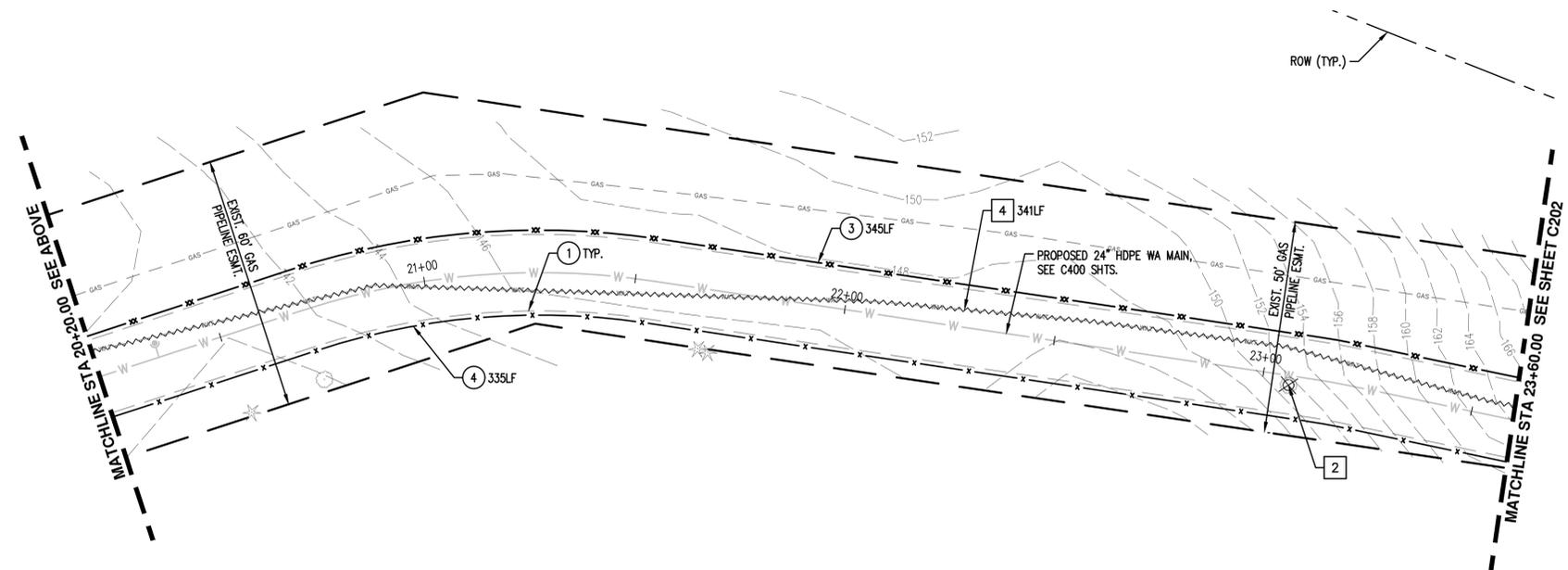
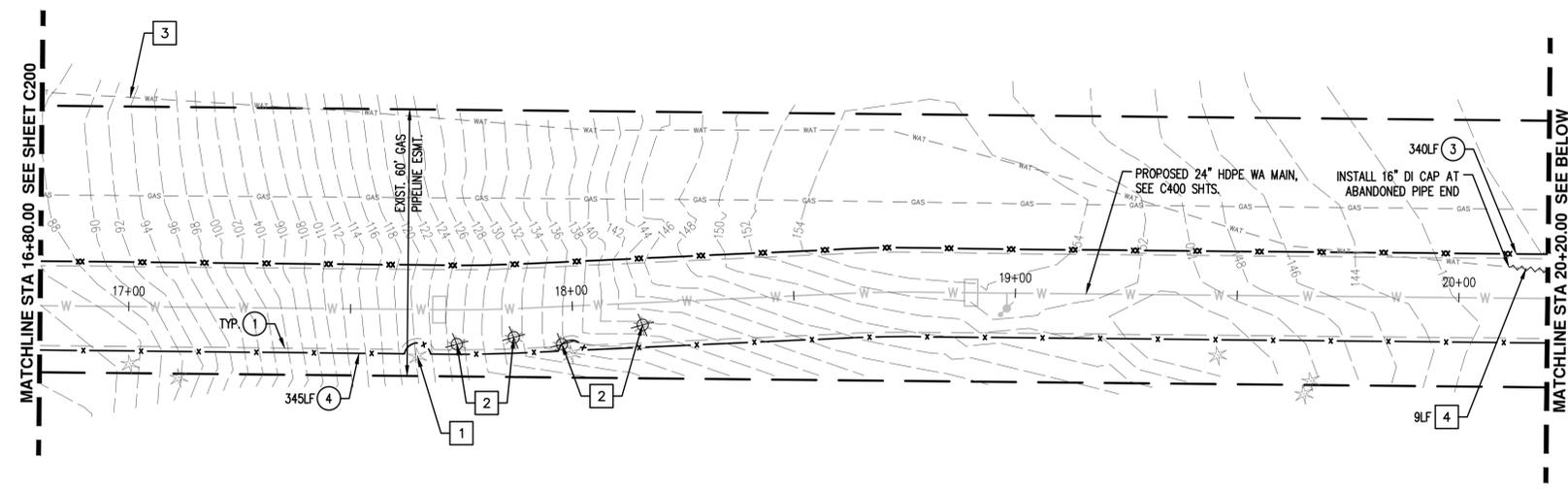


REVISIONS
 90% REVIEW SUBMITTAL

JOB NUMBER
 12421-01

SHEET
C200

AKS DRAWING FILE: 12421-01_C200_ESC.DWG LAYOUT: C200_TESC AND DEMOLITION PLAN



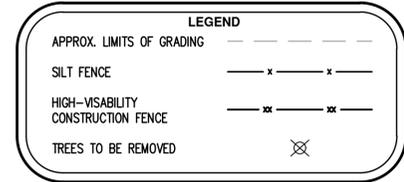
AKS DRAWING FILE: 12421-01_C200_ESC.DWG LAYOUT: C201_TESC AND DEMOLITION PLAN

TESC KEYED NOTES – GENERAL #

- APPROX. LIMIT OF GRADING
- STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
- CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
- SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

DEMOLITION KEYED NOTES – GENERAL #

- PROTECT EXIST. VEGETATION
- REMOVE EXIST. TREE
- ABANDON EXIST. WATER MAIN
- REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN

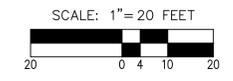
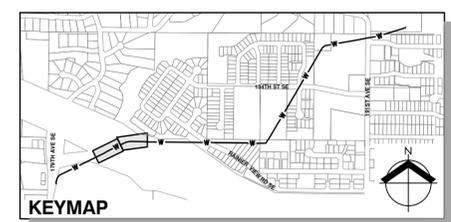


NOTES:

- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
- EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:

- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
- THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS. CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
- THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.265.2390
WWW.AKS-ENG.COM

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
WASHINGTON
CITY OF MONROE, SNOHOMISH COUNTY.

**TESC AND
DEMOLITION PLAN**

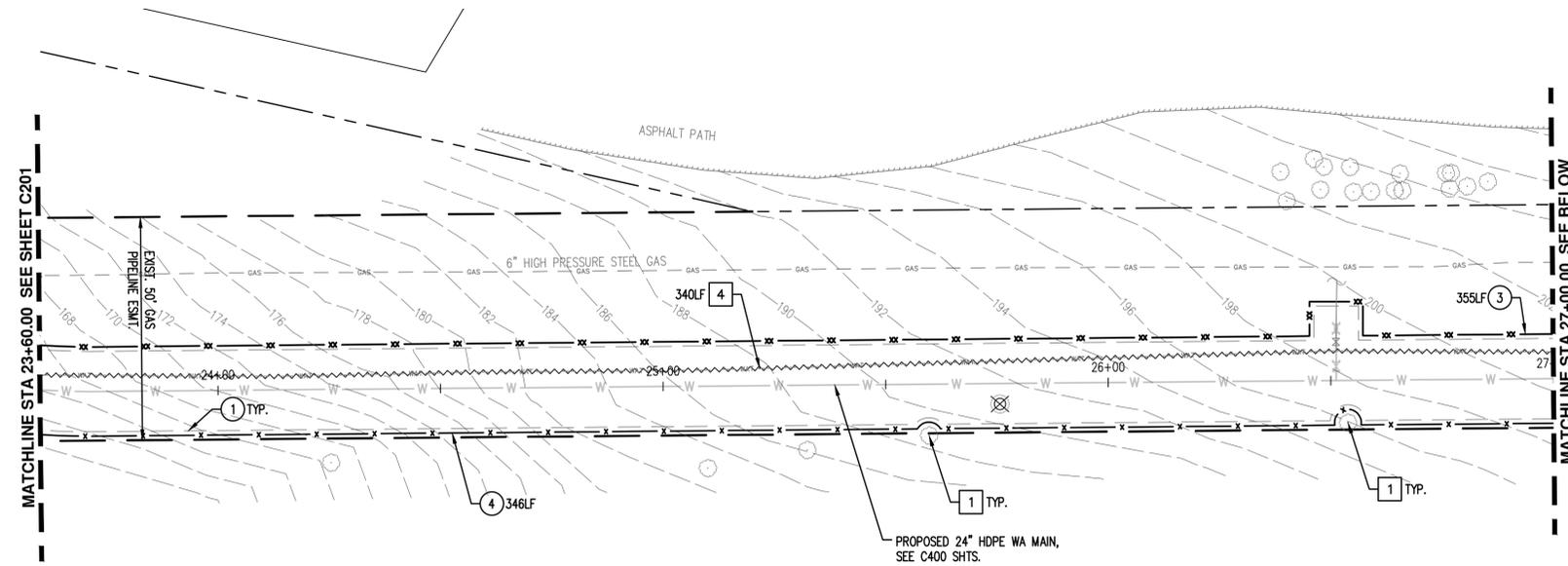
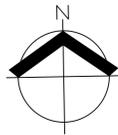
DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.



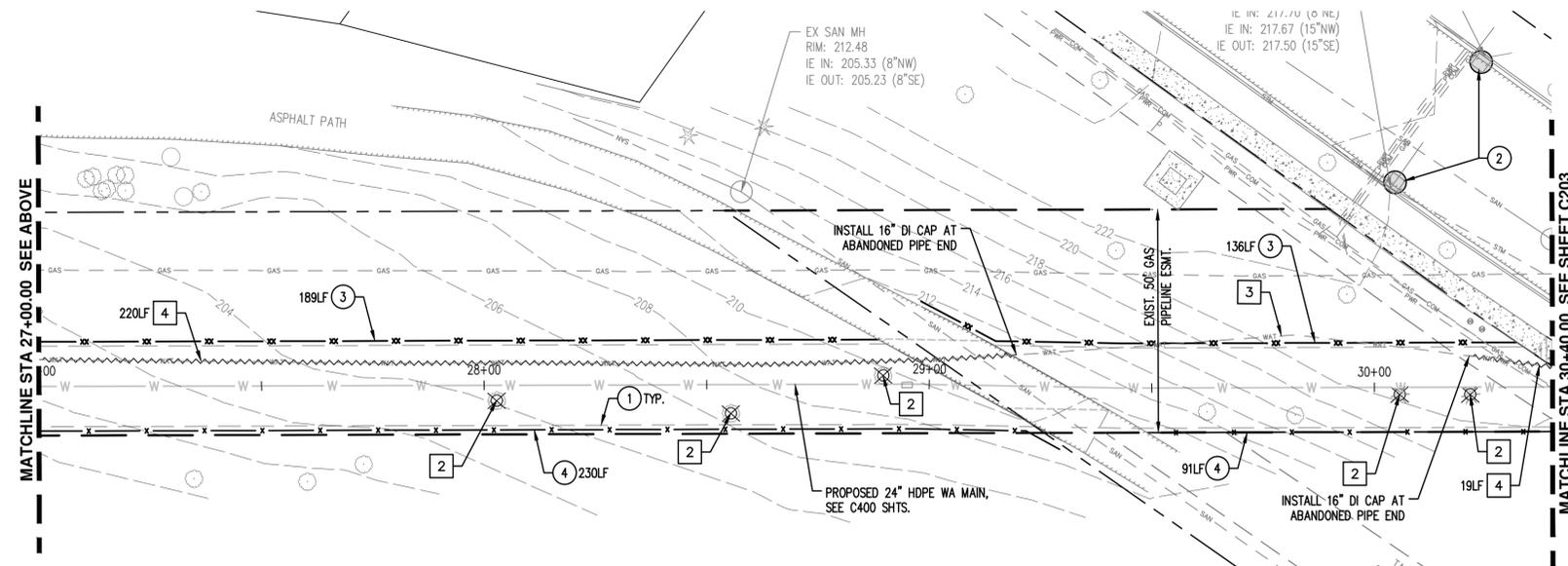
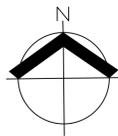
REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C201



WASHINGTON STATE ROUTE 2
(ABANDONED)



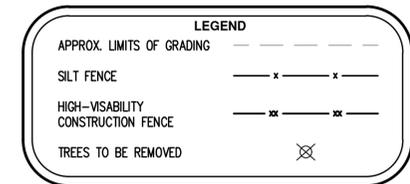
WASHINGTON STATE ROUTE 2
(ABANDONED)

TESC KEYED NOTES – GENERAL #

- APPROX. LIMIT OF GRADING
- STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
- CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
- SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

DEMOLITION KEYED NOTES – GENERAL #

- PROTECT EXIST. VEGETATION
- REMOVE EXIST. TREE
- ABANDON EXIST. WATER MAIN
- REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN

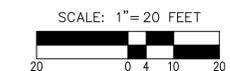
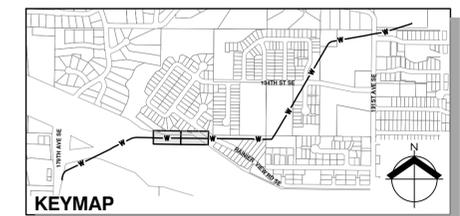


NOTES:

- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
- EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:

- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
- THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS.
- CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
- THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**TESC AND
DEMOLITION PLAN**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

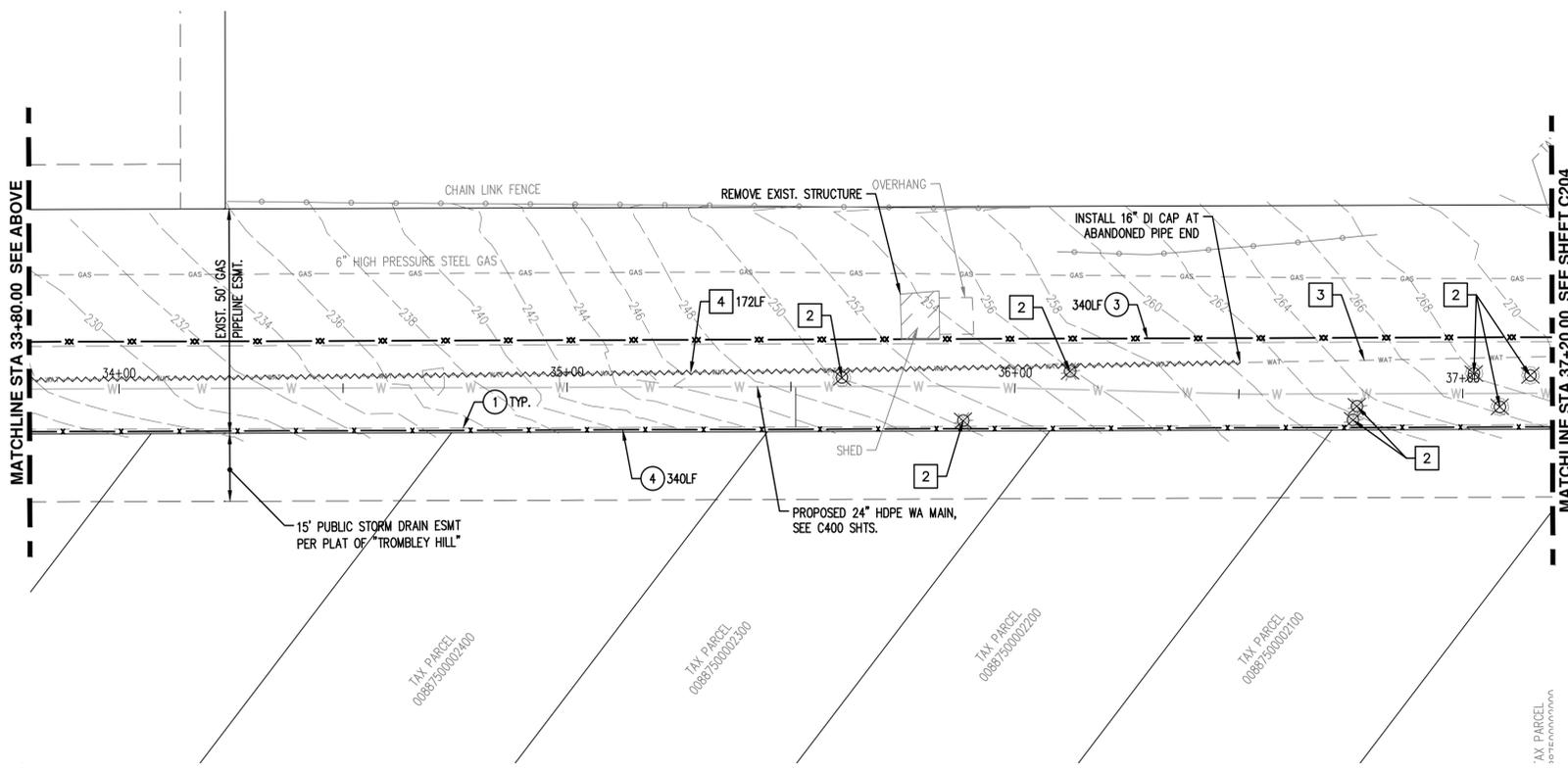
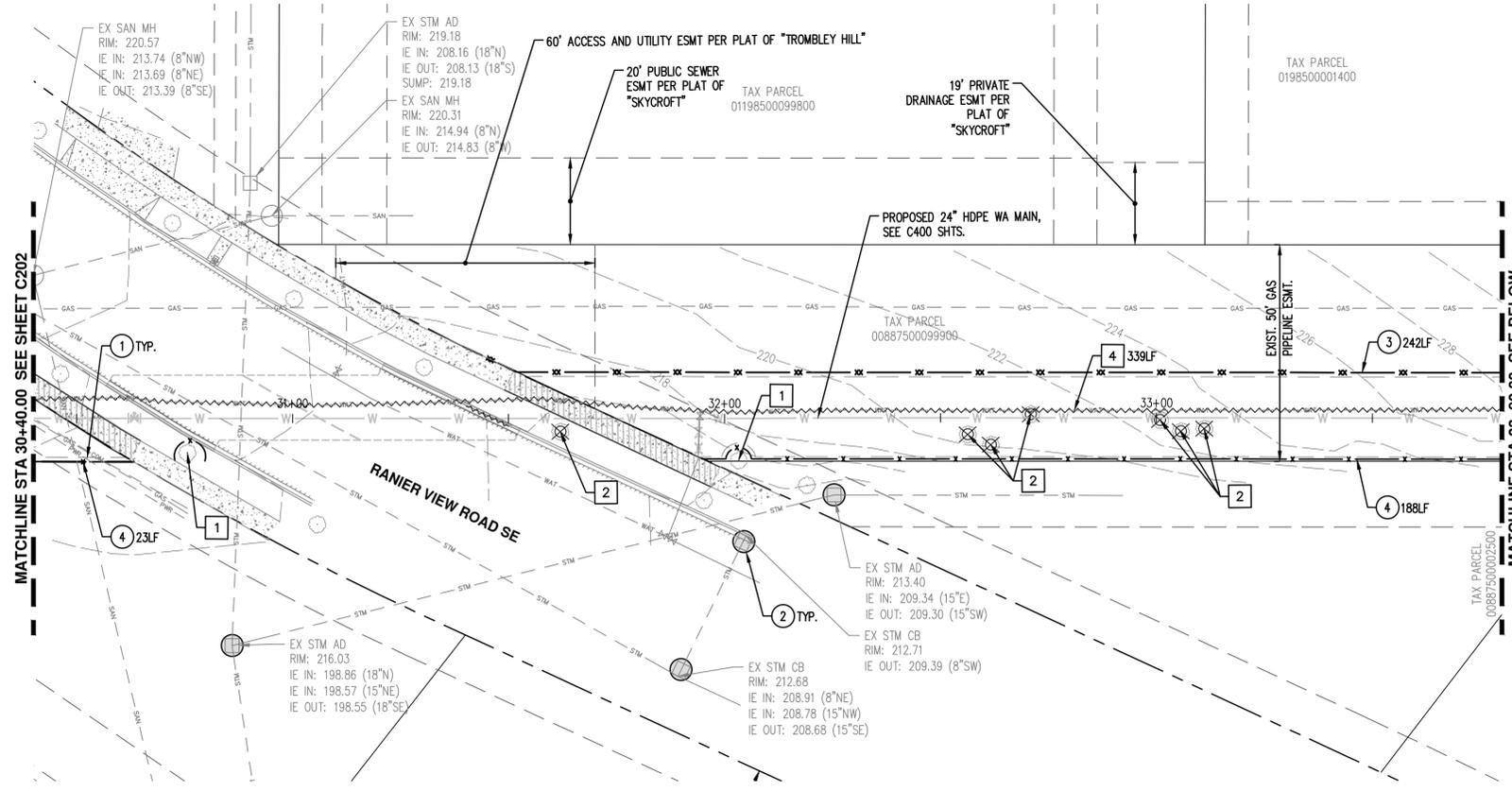
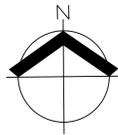
DATE: 9/15/2025



REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C202

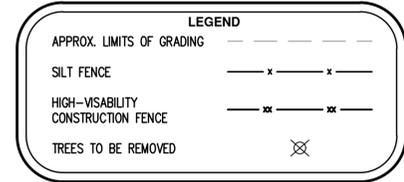


TESC KEYED NOTES – GENERAL #

- APPROX. LIMIT OF GRADING
- STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
- CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
- SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

DEMOLITION KEYED NOTES – GENERAL #

- PROTECT EXIST. VEGETATION
- REMOVE EXIST. TREE
- ABANDON EXIST. WATER MAIN
- REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN

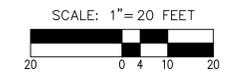
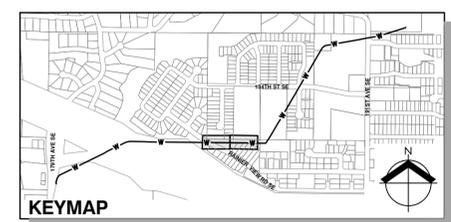


NOTES:

- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
- EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:

- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
- THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS.
- CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
- THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.265.2390
WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
WASHINGTON
CITY OF MONROE, SNOHOMISH COUNTY.

**TESC AND
DEMOLITION PLAN**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

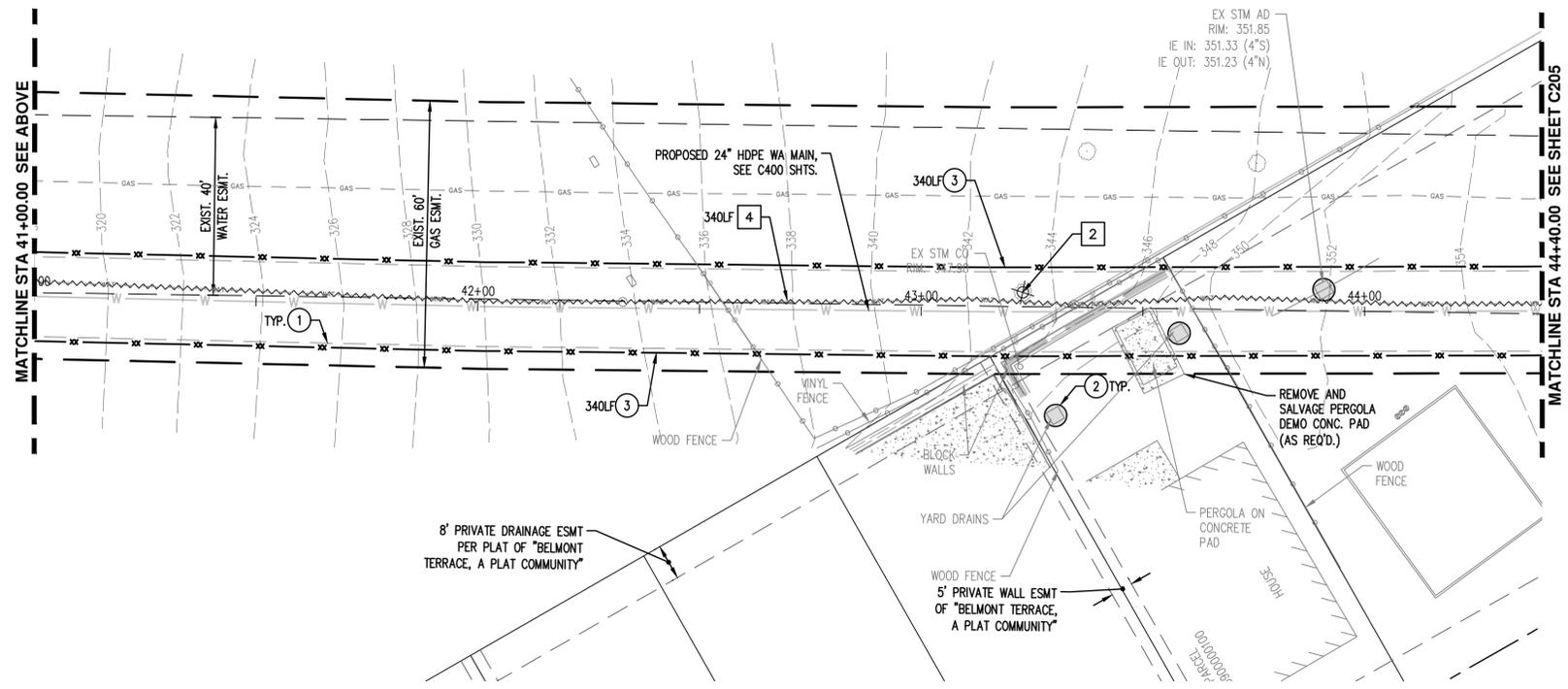
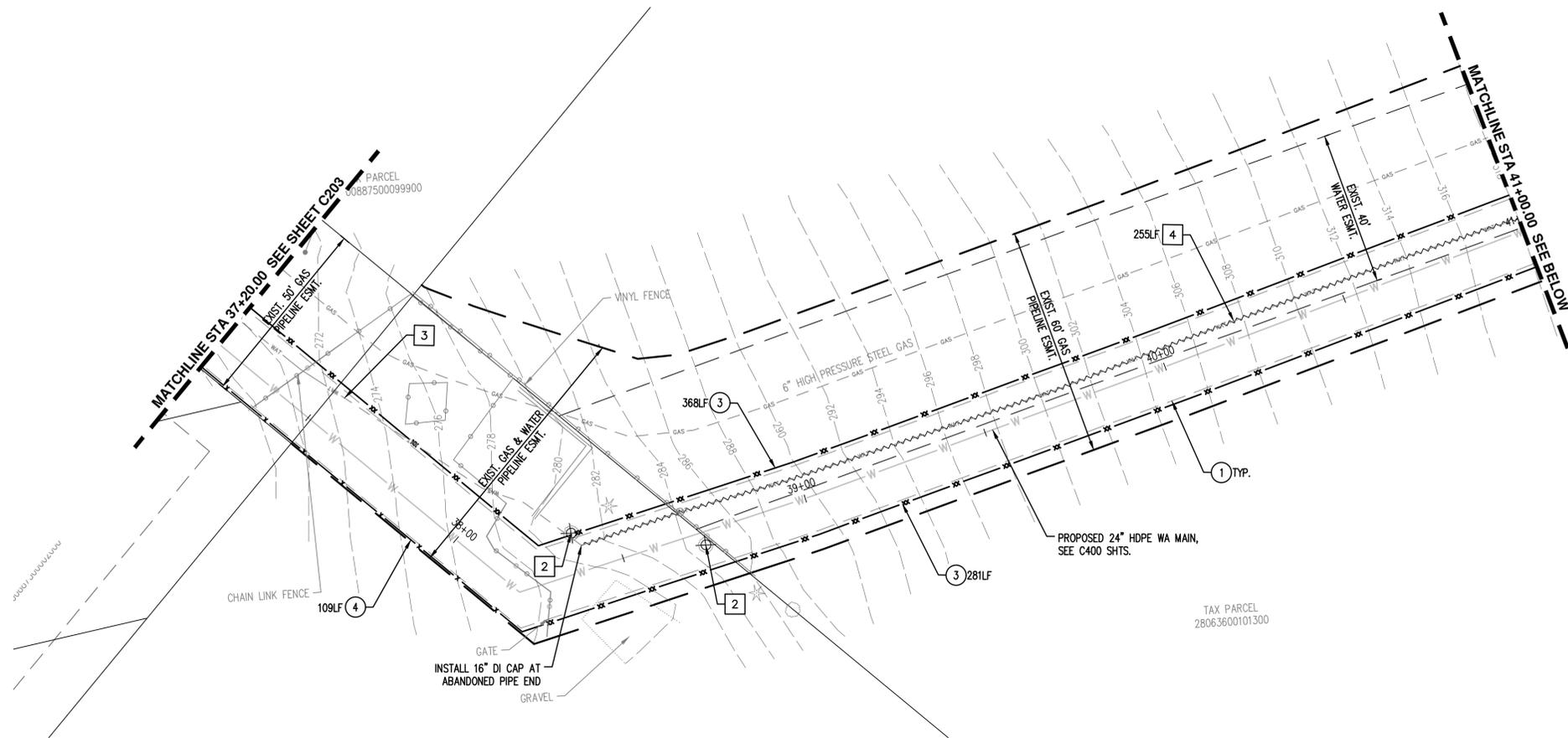


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C203

AKS DRAWING FILE: 12421-01_C200_ESC.DWG LAYOUT, C203_TESC AND DEMOLITION PLAN

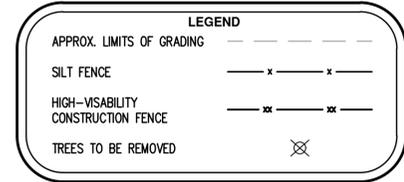


TESC KEYED NOTES – GENERAL #

- APPROX. LIMIT OF GRADING
- STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
- CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
- SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

DEMOLITION KEYED NOTES – GENERAL #

- PROTECT EXIST. VEGETATION
- REMOVE EXIST. TREE
- ABANDON EXIST. WATER MAIN
- REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN

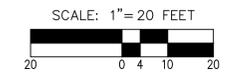
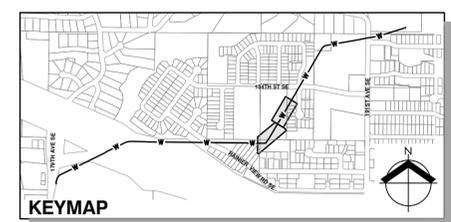


NOTES:

- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
- EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:

- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
- THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS.
- CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
- THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009

CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**TESC AND
DEMOLITION PLAN**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

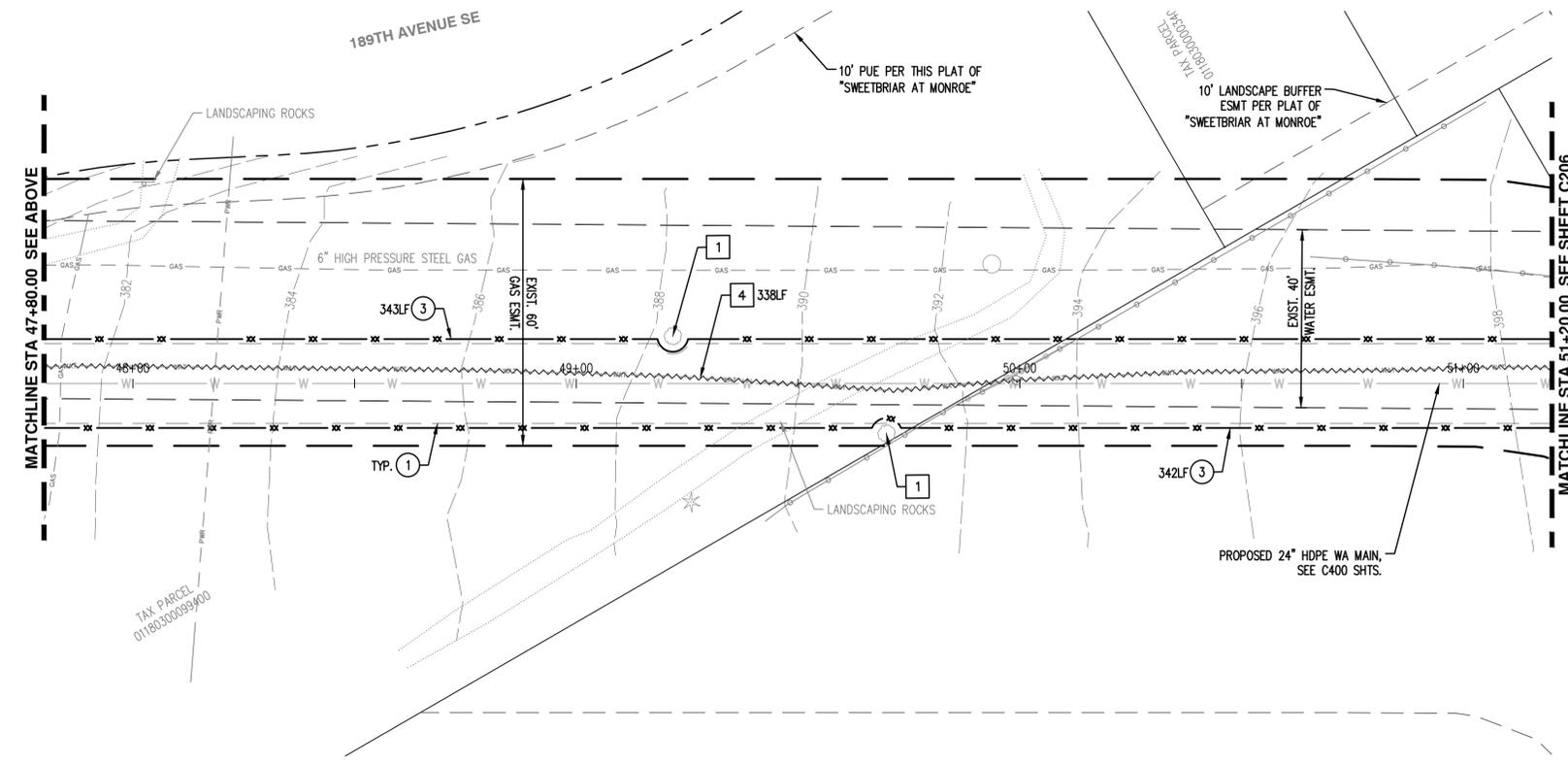
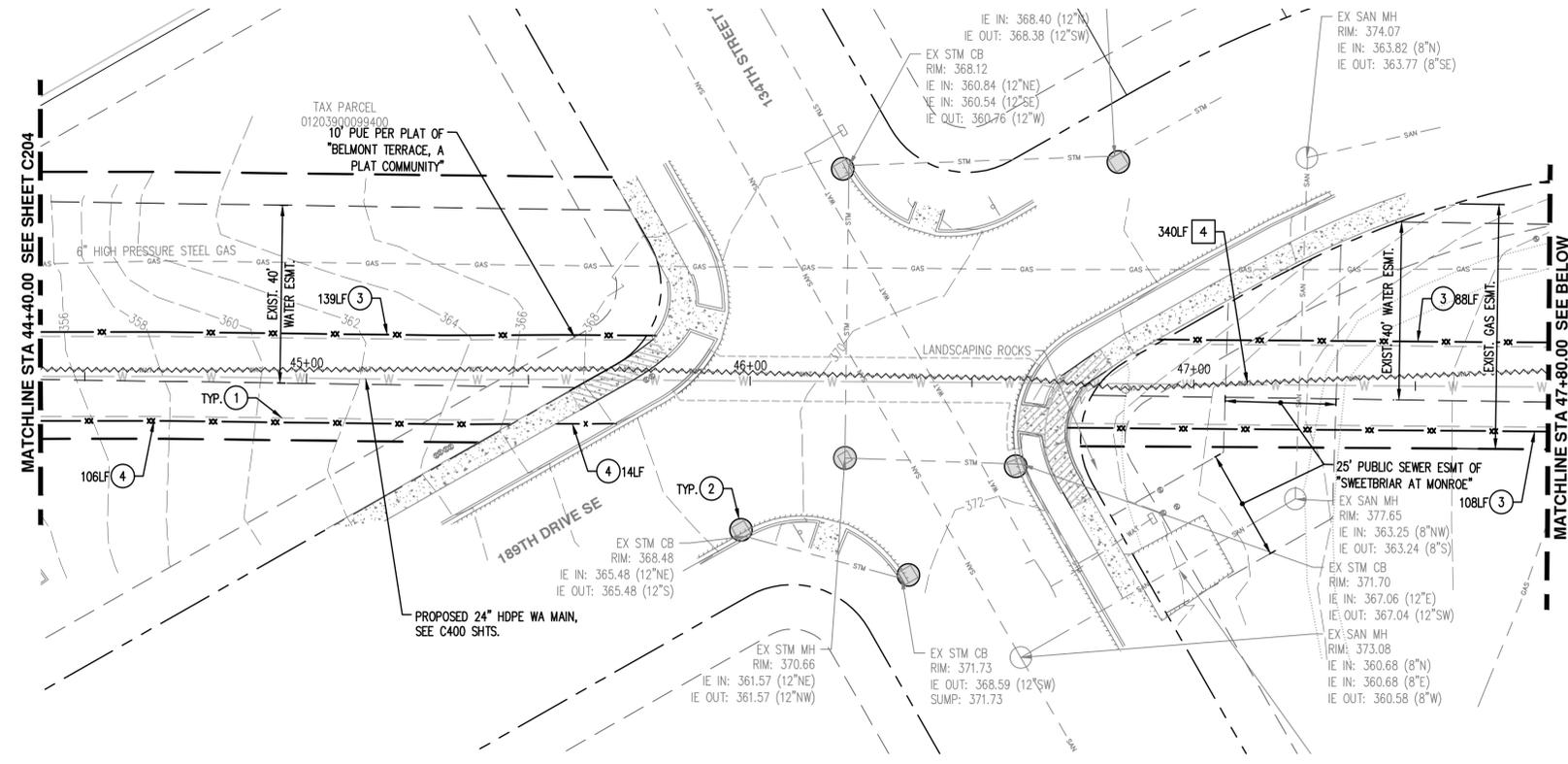


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C204

AKS DRAWING FILE: 12421-01_C200_ESC.DWG LAYOUT, C204_TESC AND DEMOLITION PLAN

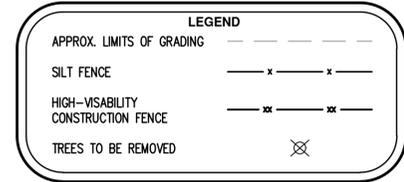


TESC KEYED NOTES – GENERAL #

- APPROX. LIMIT OF GRADING
- STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
- CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
- SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

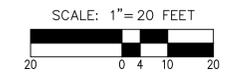
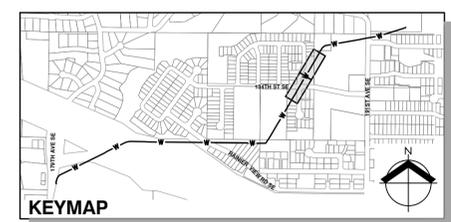
DEMOLITION KEYED NOTES – GENERAL #

- PROTECT EXIST. VEGETATION
- REMOVE EXIST. TREE
- ABANDON EXIST. WATER MAIN
- REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN



- NOTES:**
- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
 - EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

- CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:**
- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
 - THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS. CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
 - THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.985.2390
WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
WASHINGTON
CITY OF MONROE, SNOHOMISH COUNTY.

**TESC AND
DEMOLITION PLAN**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

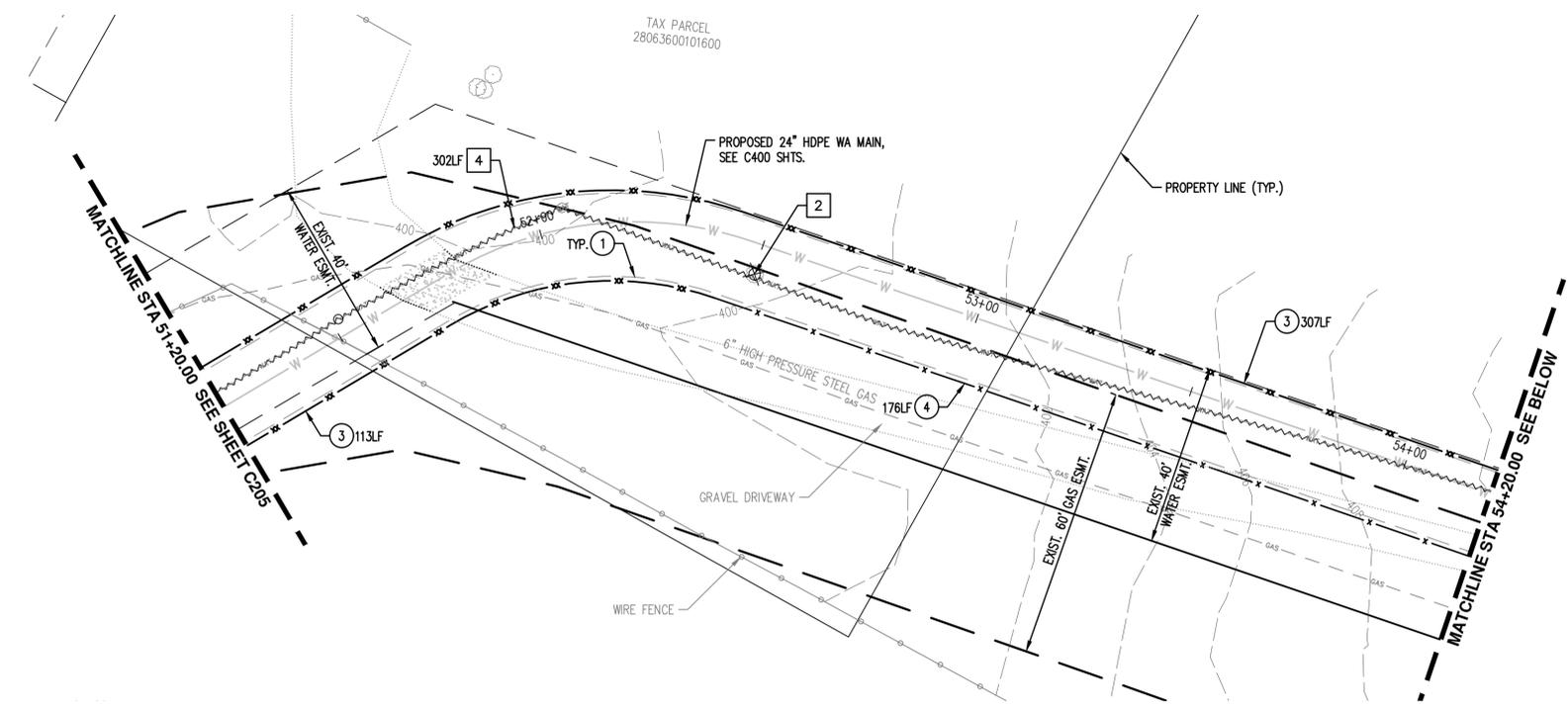


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C205

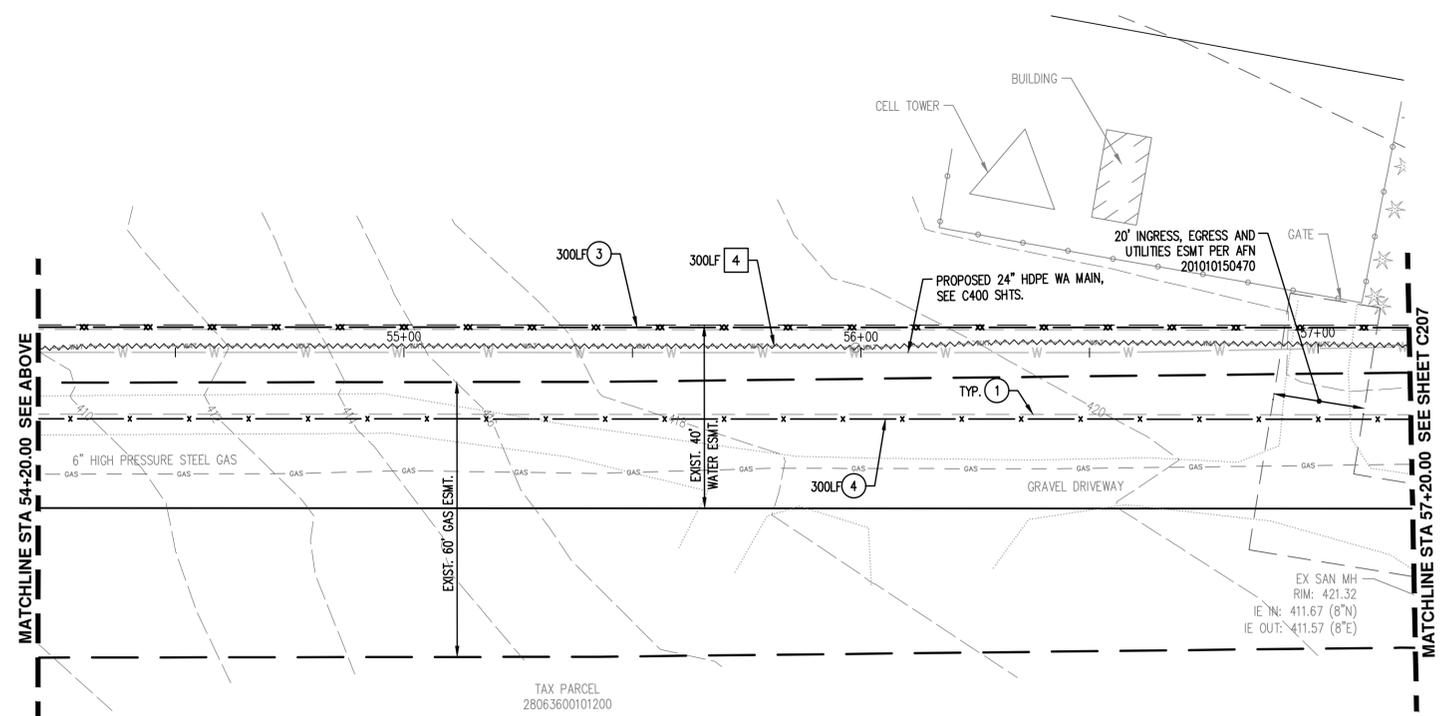
AKS DRAWING FILE: 12421-01_C205_ESC.DWG LAYOUT, C205_TESC AND DEMOLITION PLAN



TAX PARCEL
28063600101600

MATCHLINE STA 54+20.00 SEE SHEET C205

MATCHLINE STA 54+20.00 SEE BELOW



TAX PARCEL
28063600101200

MATCHLINE STA 54+20.00 SEE ABOVE

MATCHLINE STA 57+20.00 SEE SHEET C207

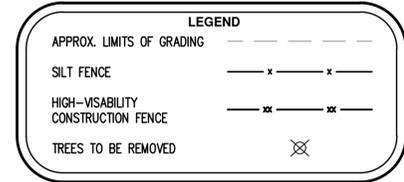
EX SAN MH
RIM: 421.32
IE IN: 411.67 (8\"/>

TESC KEYED NOTES -- GENERAL #

- APPROX. LIMIT OF GRADING
- STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
- CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
- SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

DEMOLITION KEYED NOTES -- GENERAL #

- PROTECT EXIST. VEGETATION
- REMOVE EXIST. TREE
- ABANDON EXIST. WATER MAIN
- REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN

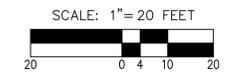
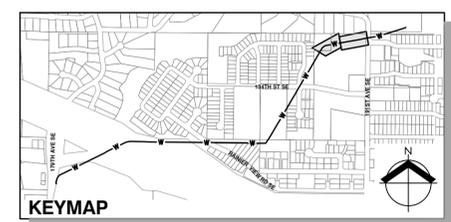


NOTES:

- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
- EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:

- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
- THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS.
- CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
- THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.265.2390
WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
WASHINGTON
CITY OF MONROE, SNOHOMISH COUNTY.

**TESC AND
DEMOLITION PLAN**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

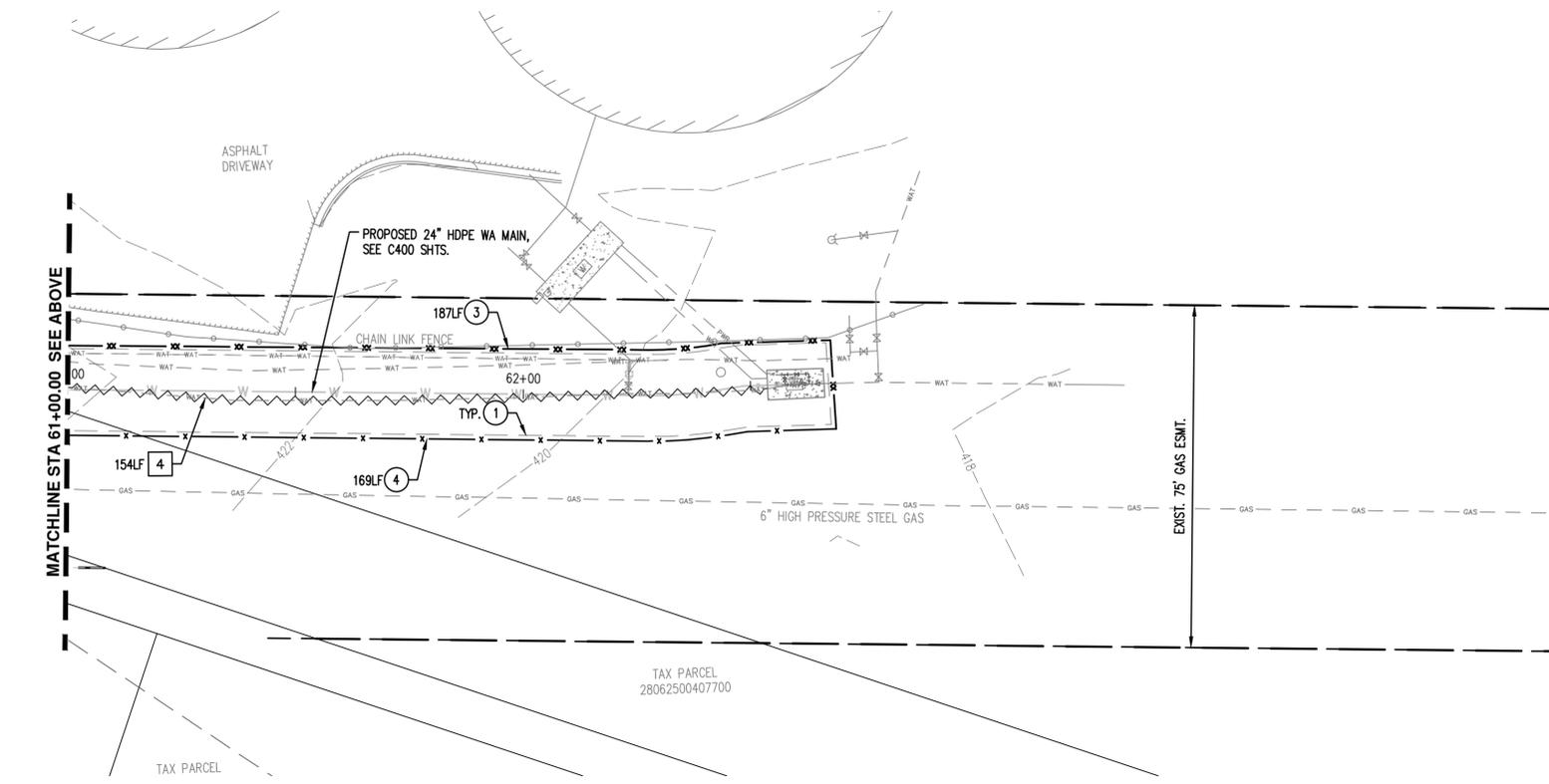
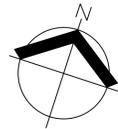
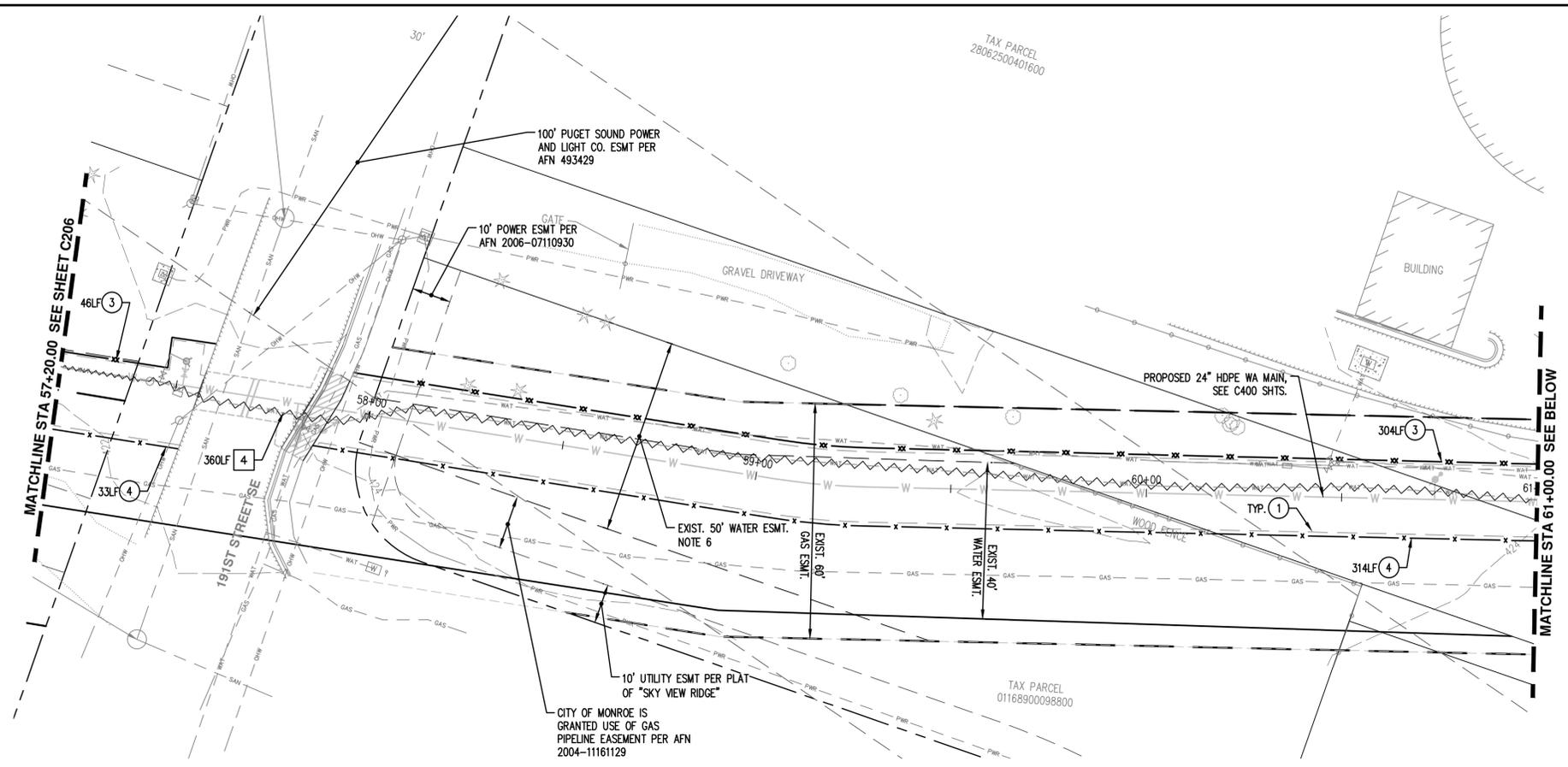


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

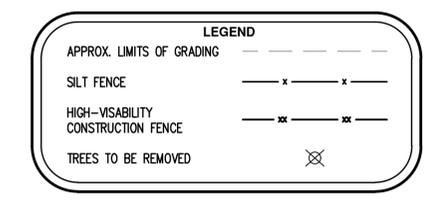
SHEET
C206

AKS DRAWING FILE: 12421-01_C206_ESC.DWG LAYOUT: C206_TESC AND DEMOLITION PLAN



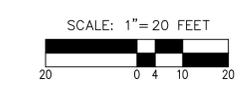
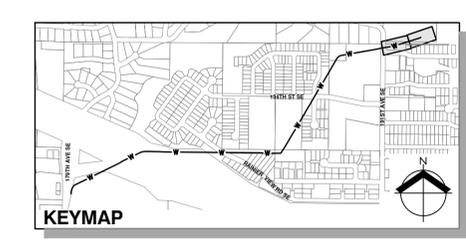
- TESC KEYED NOTES -- GENERAL** #
- APPROX. LIMIT OF GRADING
 - STORM DRAIN INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
 - CONSTRUCTION FENCING PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN
 - SILT FENCE PER DET. ON SHT. C2100. APPROX. LENGTH PER PLAN

- DEMOLITION KEYED NOTES -- GENERAL** #
- PROTECT EXIST. VEGETATION
 - REMOVE EXIST. TREE
 - ABANDON EXIST. WATER MAIN
 - REMOVE EXIST. AC PIPE, SEE NOTE 2, APPROX. LENGTH PER PLAN



- NOTES:**
- TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES SHOWN ON THIS PLAN SHALL BE CONSIDERED THE MINIMUM NECESSARY. ADDITIONAL MEASURES MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES AND DOWNSTREAM STORM DRAINAGE SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TESC MEASURES NECESSARY TO PROTECT OFFSITE AREAS AND DRAINAGE FACILITIES FROM SEDIMENT-LADEN RUNOFF.
 - EXISTING AC PIPE SHALL BE REMOVED AND DISPOSED OF PER WASHINGTON STATE DEPARTMENT OF HEALTH REQUIREMENTS.

- CONSTRUCTION SEQUENCING AND SITE GROUNDWATER:**
- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN AND DOE GENERAL CONSTRUCTION STORM WATER PERMIT FOR THE PROJECT.
 - THE CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS TO CONTROL GROUNDWATER SEEPAGE FOR ALL EXCAVATIONS.
 - CONSTRUCTION SEQUENCING SHOULD CONSIDER THE INSTALLATION OF THE INTERCEPTOR TRENCH ALONG THE EDGE OF PAVEMENT TO FACILITATE THE CONTROL OF EXPECTED GROUNDWATER SEEPAGE.
 - THE CONTRACTOR SHALL IDENTIFY SPECIFIC METHODS AND CONTINGENCY MEASURES TO TREAT STORM WATER RUNOFF TO MAINTAIN STORM WATER DISCHARGE STANDARDS DURING CONSTRUCTION. THAT PLAN SHALL BE PROVIDED TO THE ENGINEER AND CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.955.2390
WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**TESC AND
DEMOLITION PLAN**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.



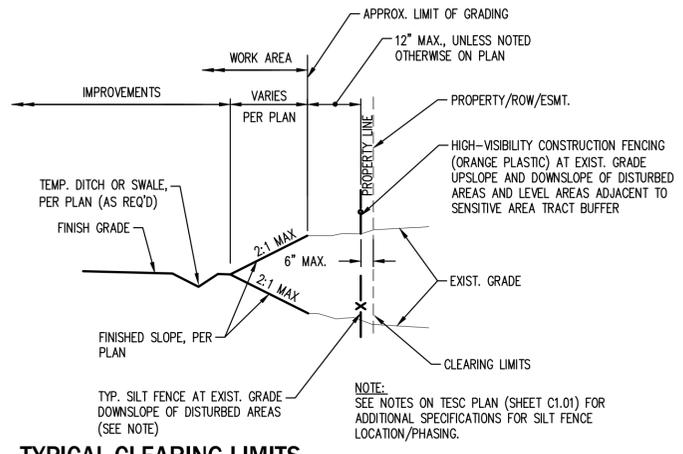
REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C207

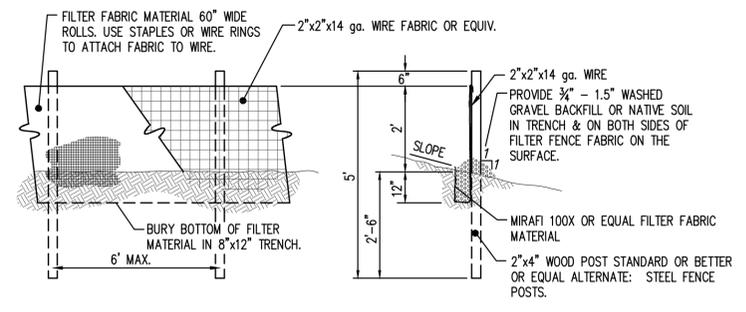
AKS DRAWING FILE: 12421-01_C200_ESC.DWG LAYOUT, C207_TESC AND DEMOLITION PLAN

AKS DRAWING FILE: 12421-01_C2100_ESC_DETAILS.DWG | LAYOUT: C2100_TESC_DETAILS



TYPICAL CLEARING LIMITS

NOT TO SCALE



STANDARD NOTES:

- A. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
- B. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS (WHERE FEASIBLE). THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
- C. A TRENCH SHALL BE EXCAVATED, ROUGHLY 8 INCHES WIDE AND 12 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
- D. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- E. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- F. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF STANDARD NOTE E. APPLYING.
- G. THE TRENCH SHALL BE BACKFILLED WITH 3/4-INCH MINIMUM WASHED GRAVEL.
- H. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- I. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

MAINTENANCE STANDARDS:

1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

TYPICAL SILT FENCE

NOT TO SCALE



AKS
 AKS ENGINEERING & FORESTRY, LLC
 11321 B. NE 120TH ST
 KIRKLAND, WA 98034
 425.265.2390
 WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
 FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
 MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
 CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

TESC DETAILS

DESIGNED BY: CMD
 DRAWN BY: PCE
 MANAGED BY: MJH
 CHECKED BY: JBS

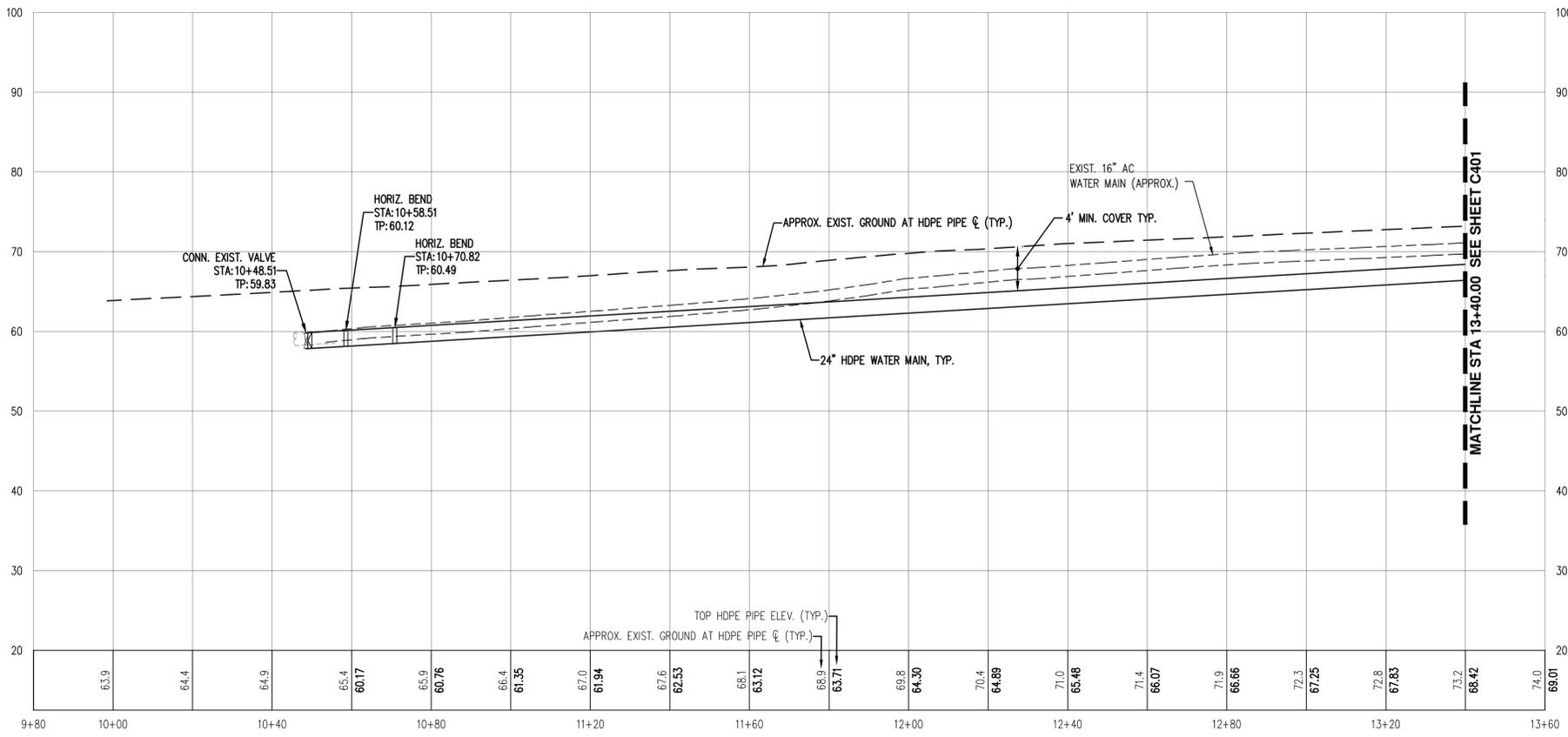
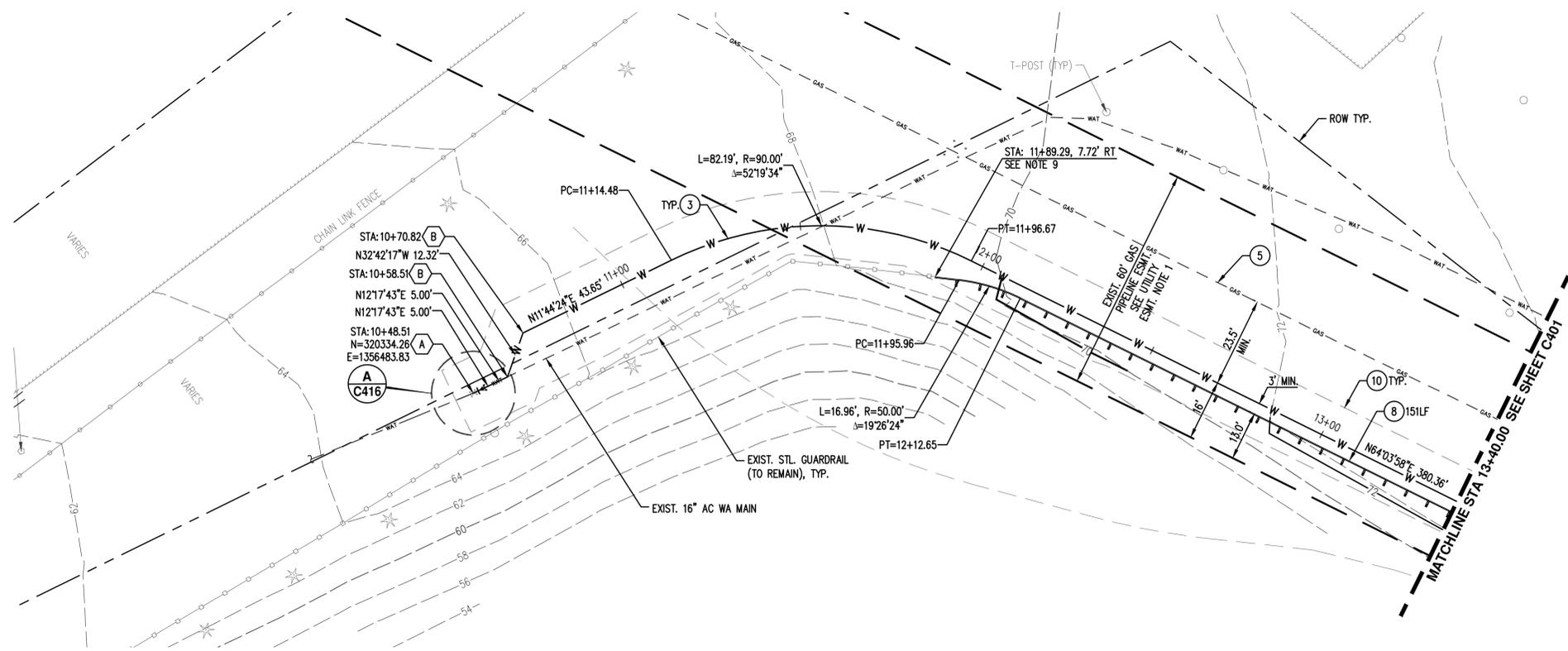


REVISIONS
 90% REVIEW SUBMITTAL

JOB NUMBER
 12421-01

SHEET
C2100

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C400_WATER_MAIN_PLAN_AND_PROFILE

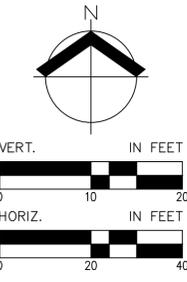
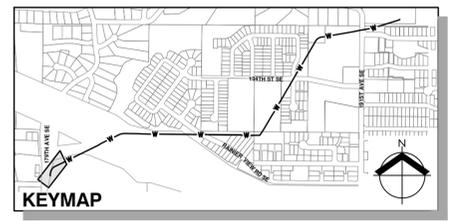


- WATER KEYED NOTES – GENERAL** #
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
 - REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
 - INSTALL 24" HDPE PIPE; SEE NOTE 3
 - REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
 - EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
 - WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
 - REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
 - REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
 - PROTECT EXIST. UTILITY
 - APPROX. LIMITS OF GRADING

- WATER KEYED NOTES – C400** A
- CONN. EXIST. WATER MAIN AT EXIST. VALVE, SEE DET.
 - INSTALL 24" X 45" HDPE BEND

- NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
 - EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
 - HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
 - ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
 - LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
 - EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
 - TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
 - HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
 - CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
 - ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

- EXISTING UTILITY EASEMENT NOTES:**
- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
 - 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
 - 40' WATER EASEMENT PER AFN 7807120156.
 - 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
 - 40' WATER EASEMENT PER AFN 7807120159.
 - 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
 - 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.955.2390
WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS
DATE: 9/15/2025

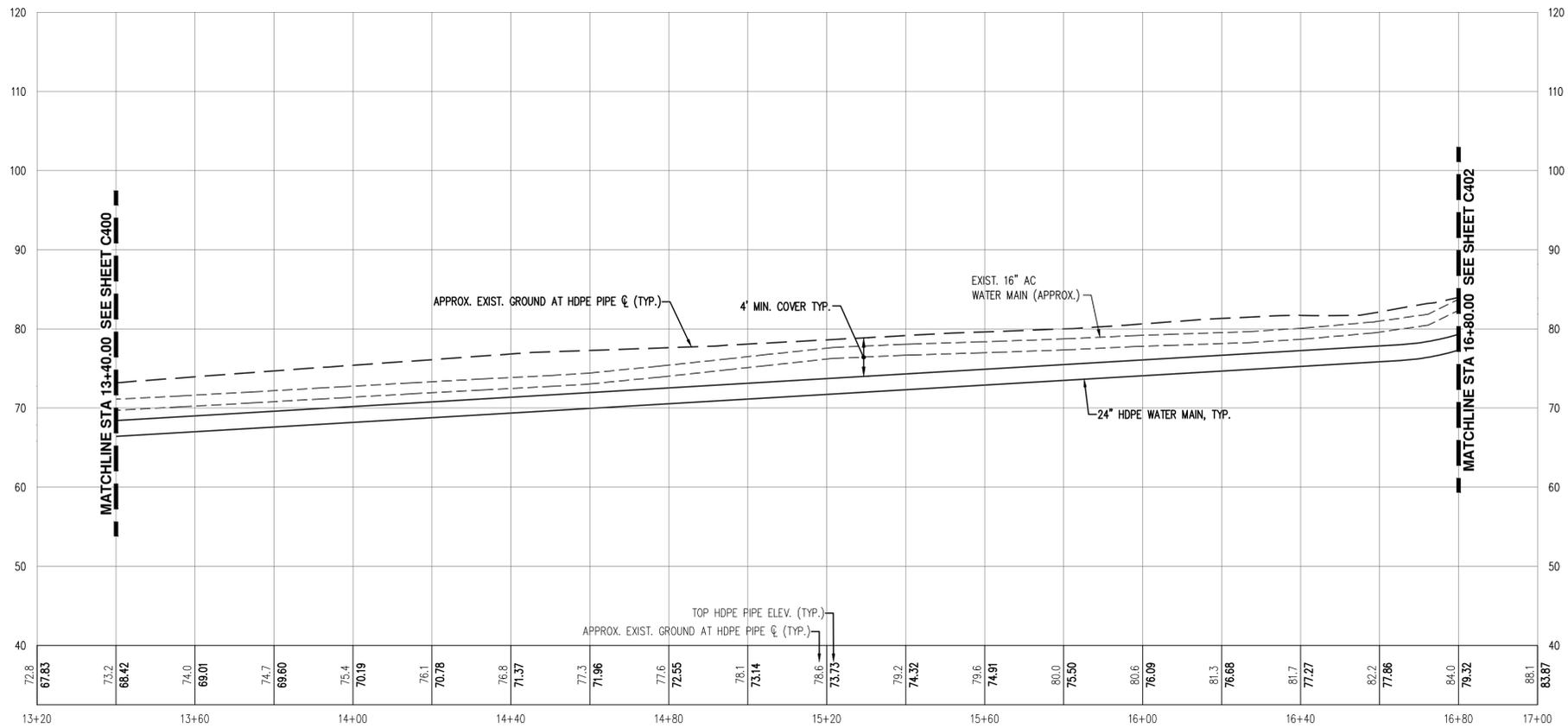
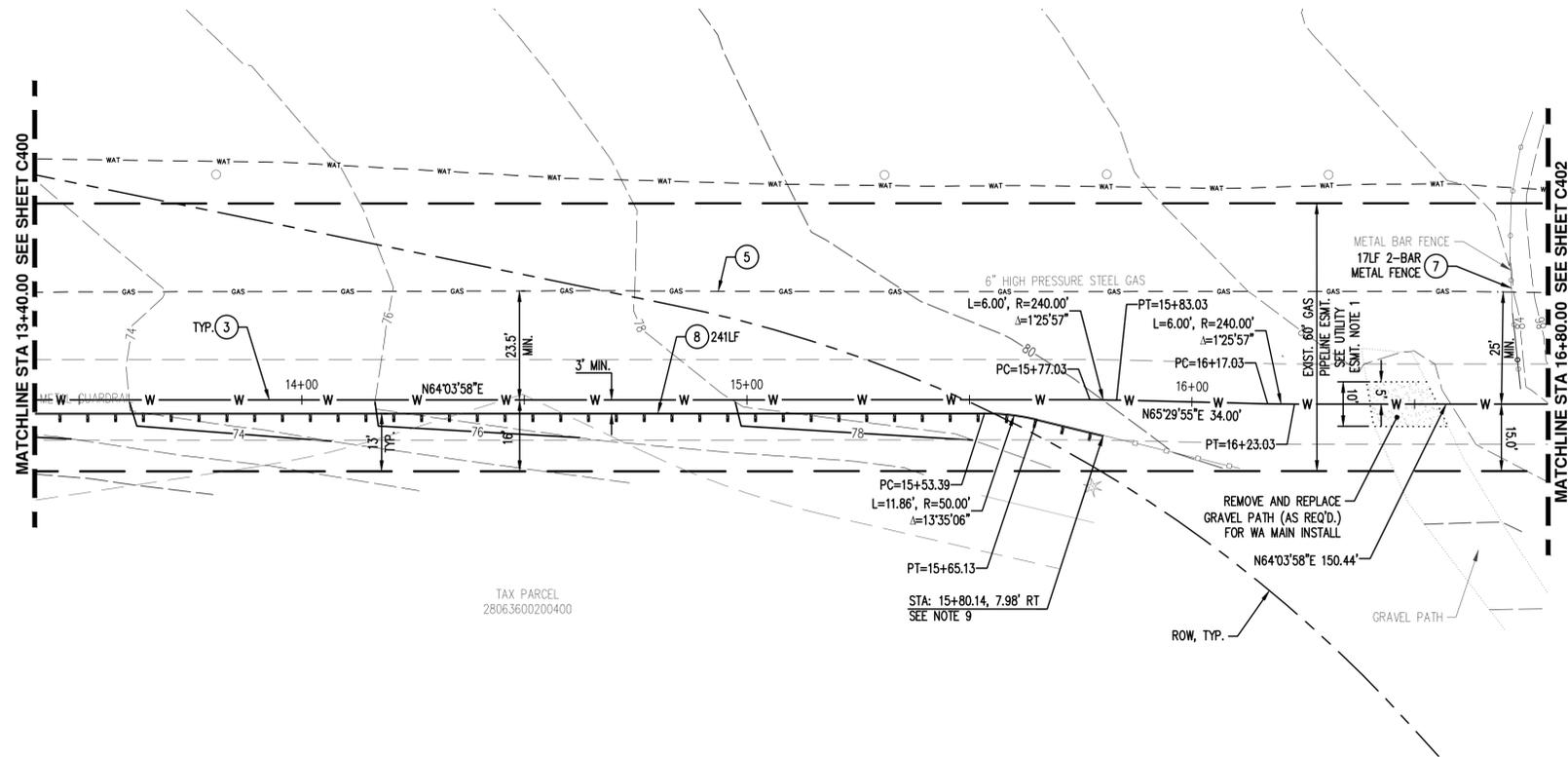
COTTON M. DARLEN
PROFESSIONAL ENGINEER
NO. 2764

REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C400

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C401_WATER MAIN PLAN AND PROFILE



WATER KEYED NOTES – GENERAL

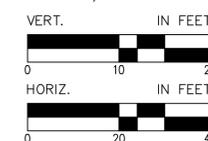
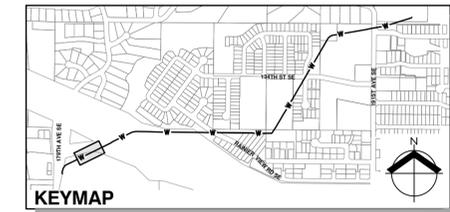
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-2010-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS

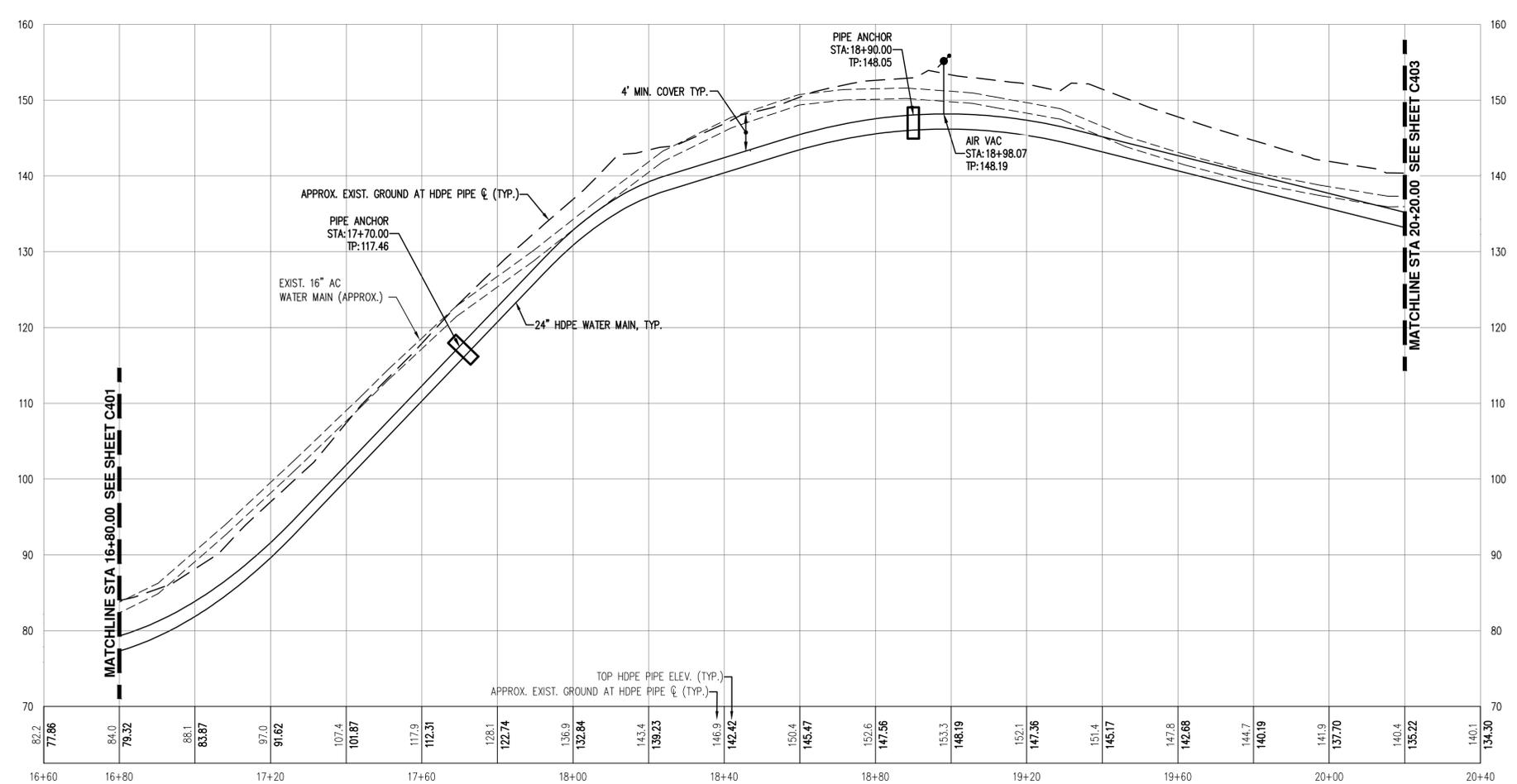
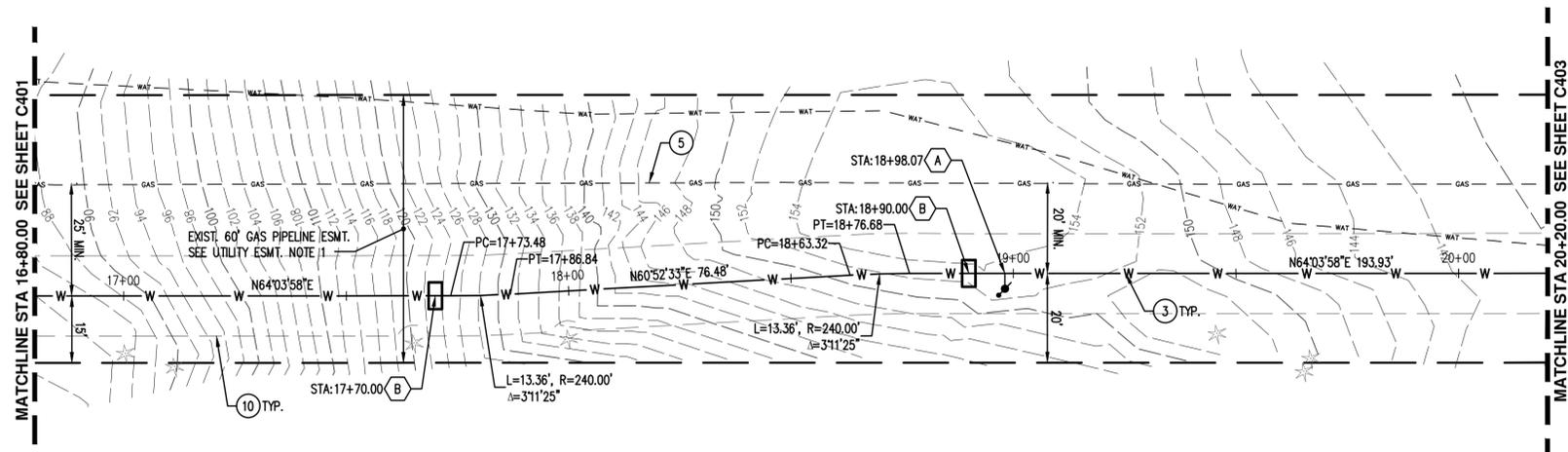
DATE: 9/15/2025



REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C401

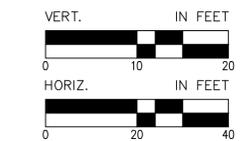
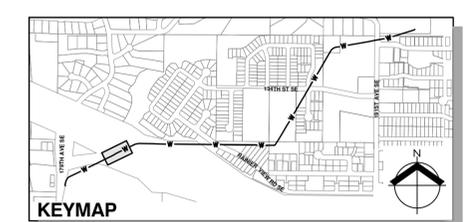


- WATER KEYED NOTES – GENERAL**
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
 - REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
 - INSTALL 24" HDPE PIPE; SEE NOTE 3
 - REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
 - EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
 - WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
 - REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
 - REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
 - PROTECT EXIST. UTILITY
 - APPROX. LIMITS OF GRADING

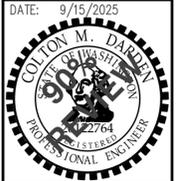
- WATER KEYED NOTES – C402**
- 1" AIR AND VACUUM RELEASE VALVE PER COM STD. DET. 511
 - CONCRETE PIPE ANCHOR PER DET. ON C4100

- NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
 - EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
 - HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
 - ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
 - LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
 - EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
 - TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
 - HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
 - CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
 - ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

- EXISTING UTILITY EASEMENT NOTES:**
- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
 - 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
 - 40' WATER EASEMENT PER AFN 7807120156.
 - 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
 - 40' WATER EASEMENT PER AFN 7807120159.
 - 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
 - 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS



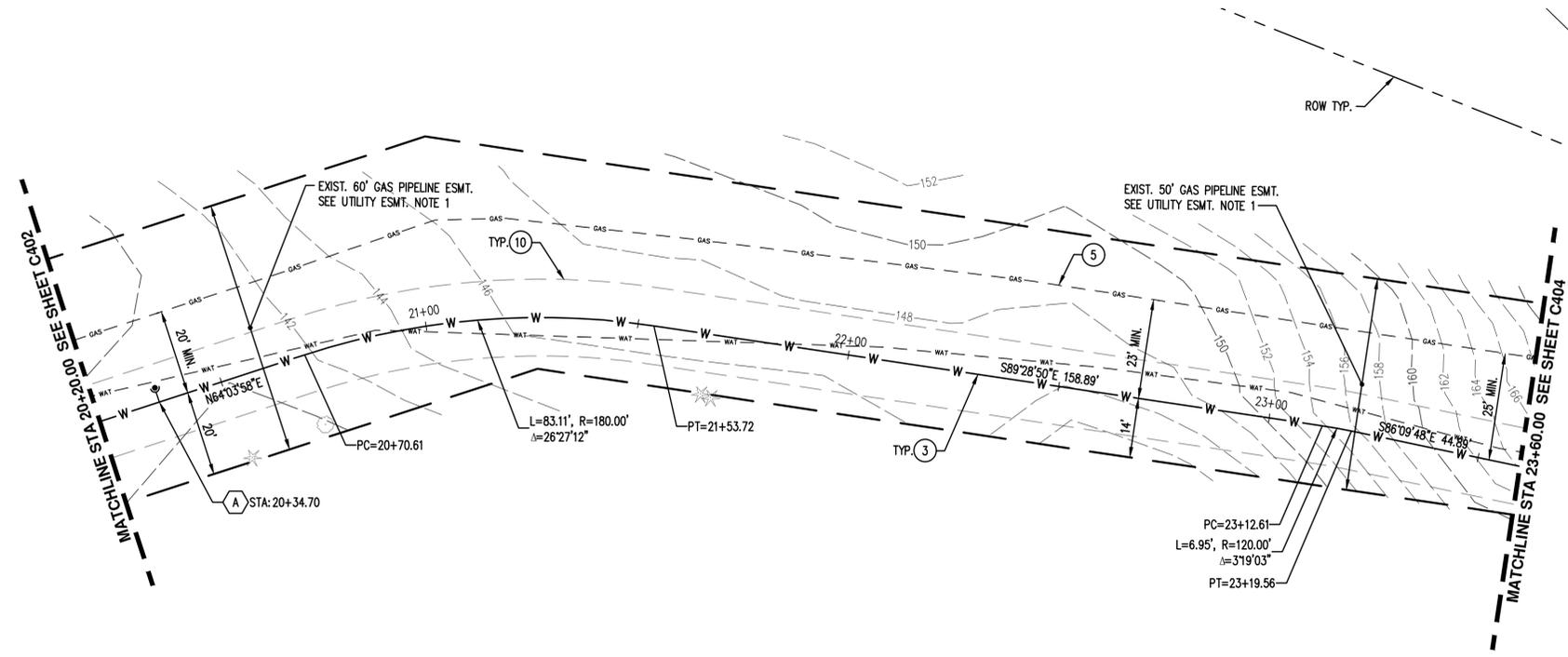
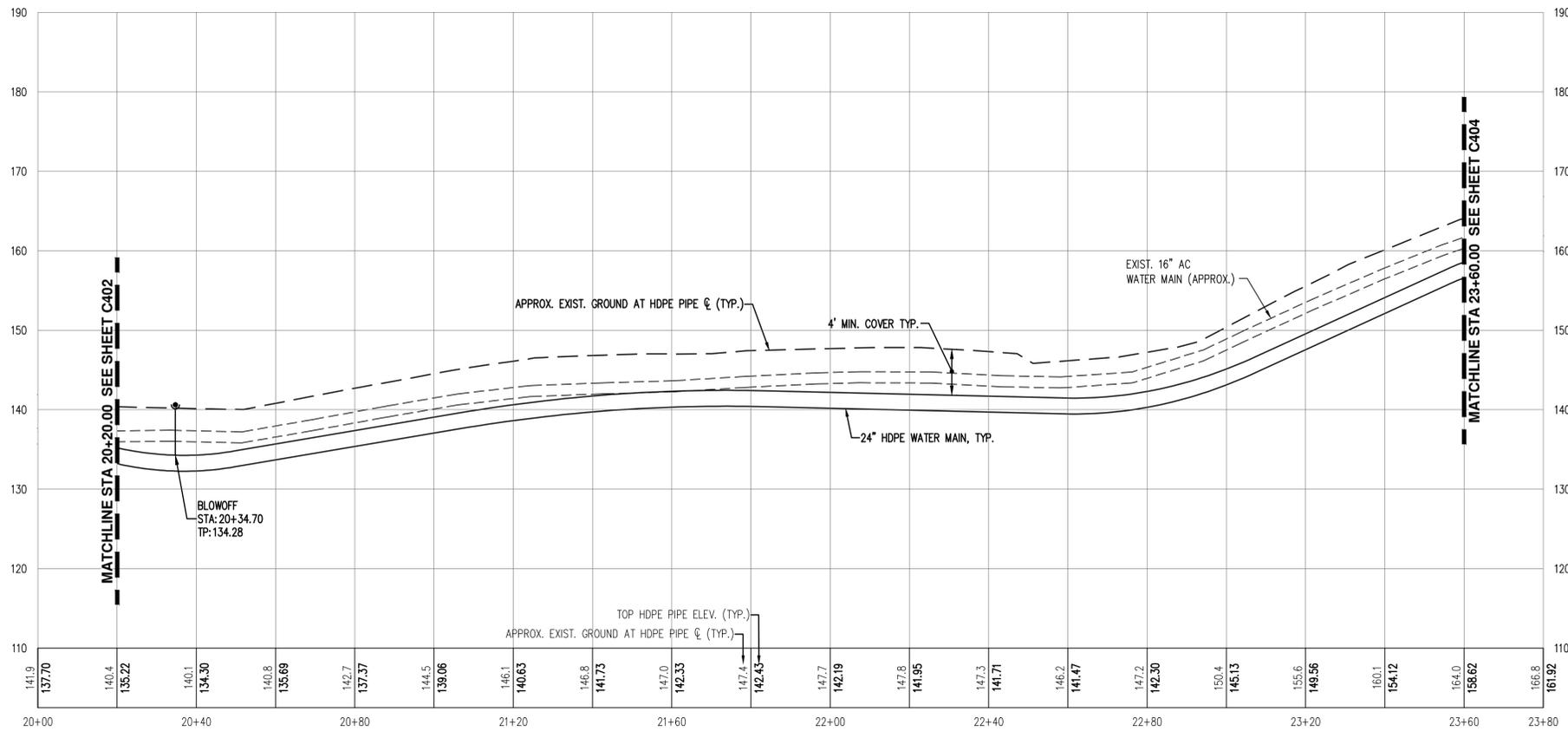
REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C402

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C402_WATER_MAIN_PLAN_AND_PROFILE

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C403_WATER_MAIN_PLAN_AND_PROFILE



WATER KEYED NOTES – GENERAL #

1. SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
2. REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
3. INSTALL 24" HDPE PIPE; SEE NOTE 3
4. REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
5. EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
6. WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
7. REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
8. REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
9. PROTECT EXIST. UTILITY
10. APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C403 A

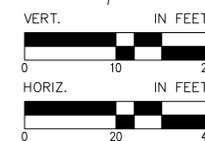
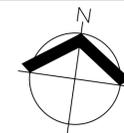
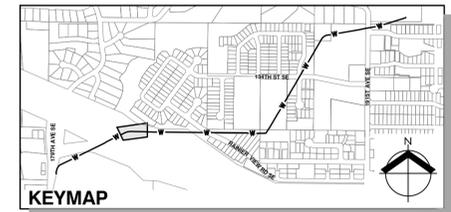
- A. 2" BLOWOFF ASSEMBLY PER COM STD. DET. 509

NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
2. EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
3. HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
4. ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
5. LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
6. EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
7. TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
8. HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
9. CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
10. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
11. ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

1. EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
2. 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
3. 40' WATER EASEMENT PER AFN 7807120156.
4. 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
5. 40' WATER EASEMENT PER AFN 7807120159.
6. 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
7. 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

DATE: 9/15/2025

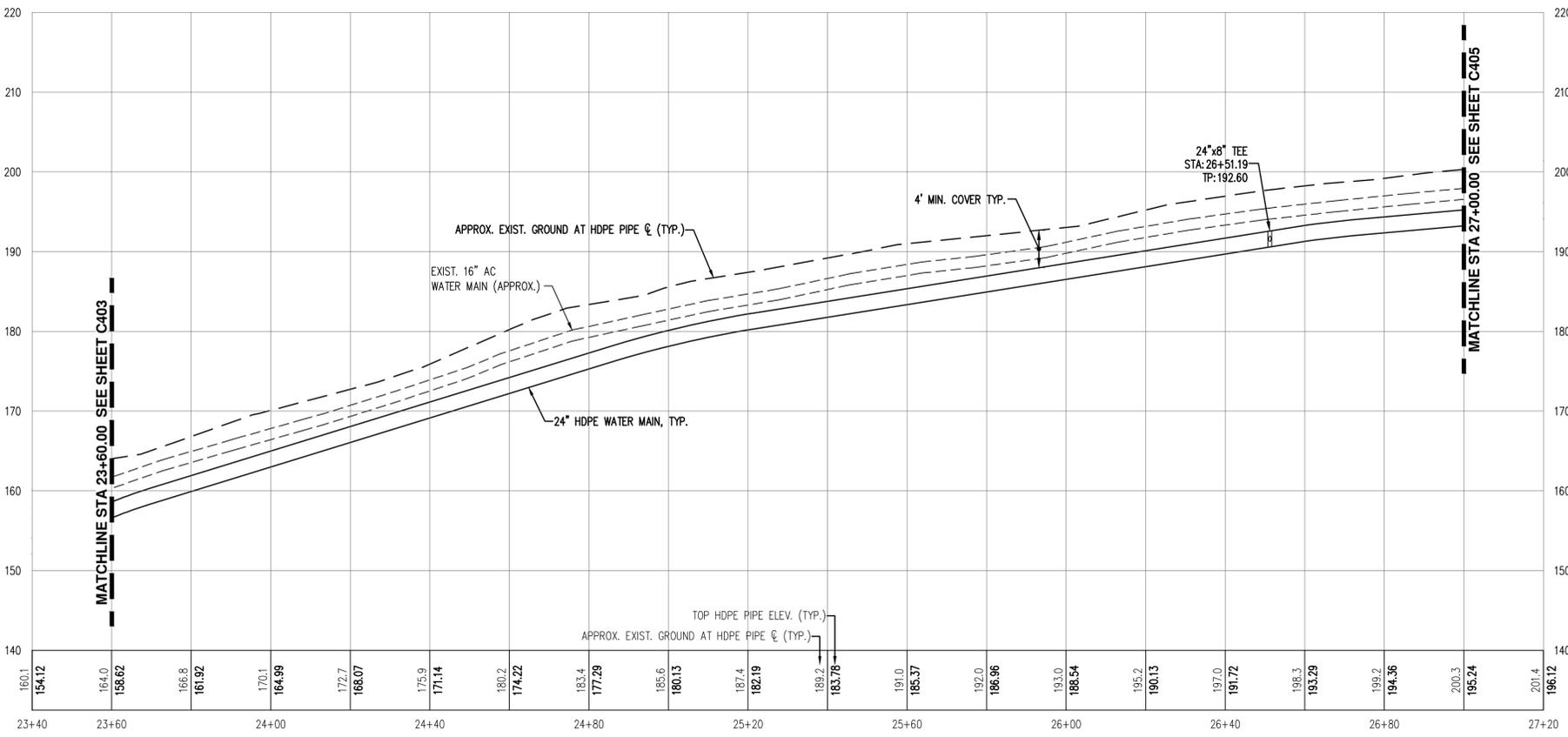
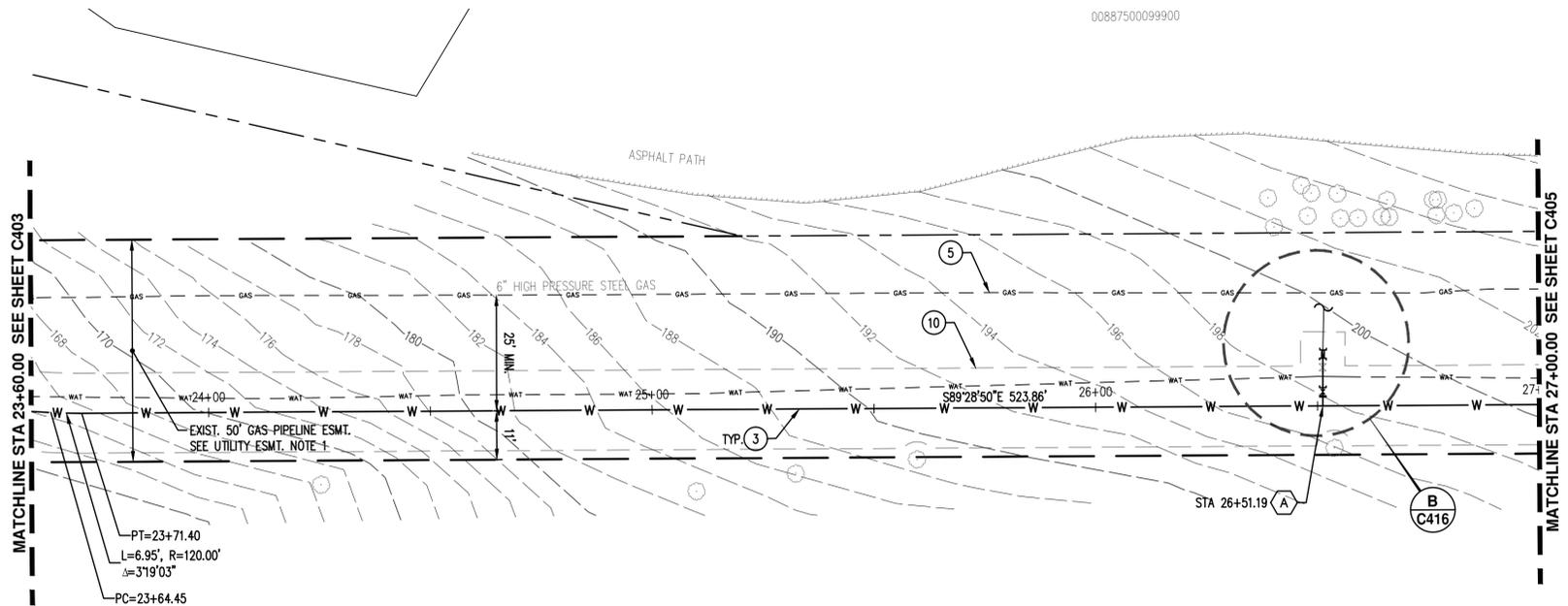


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C403

00887500099900



WATER KEYED NOTES – GENERAL #

- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-2010-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C404 A

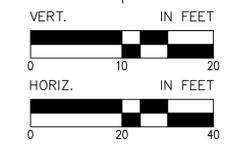
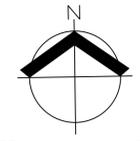
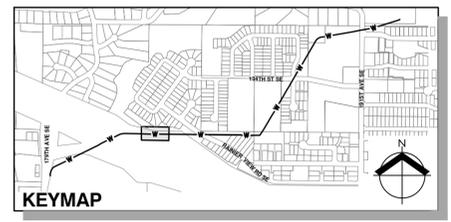
- A. TYPICAL HDPE TEE – FLANGED, PER DET SHT. C416

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

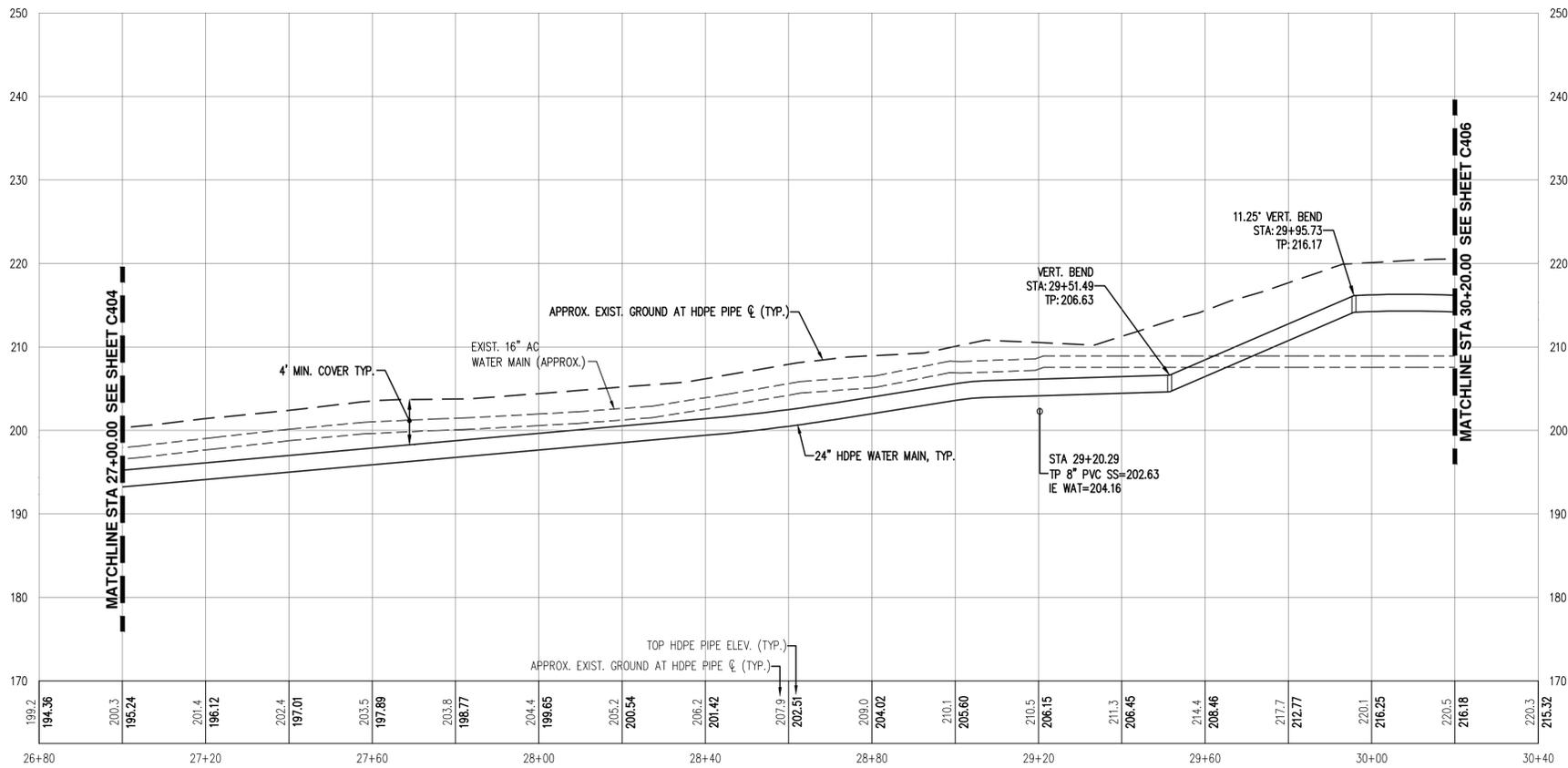
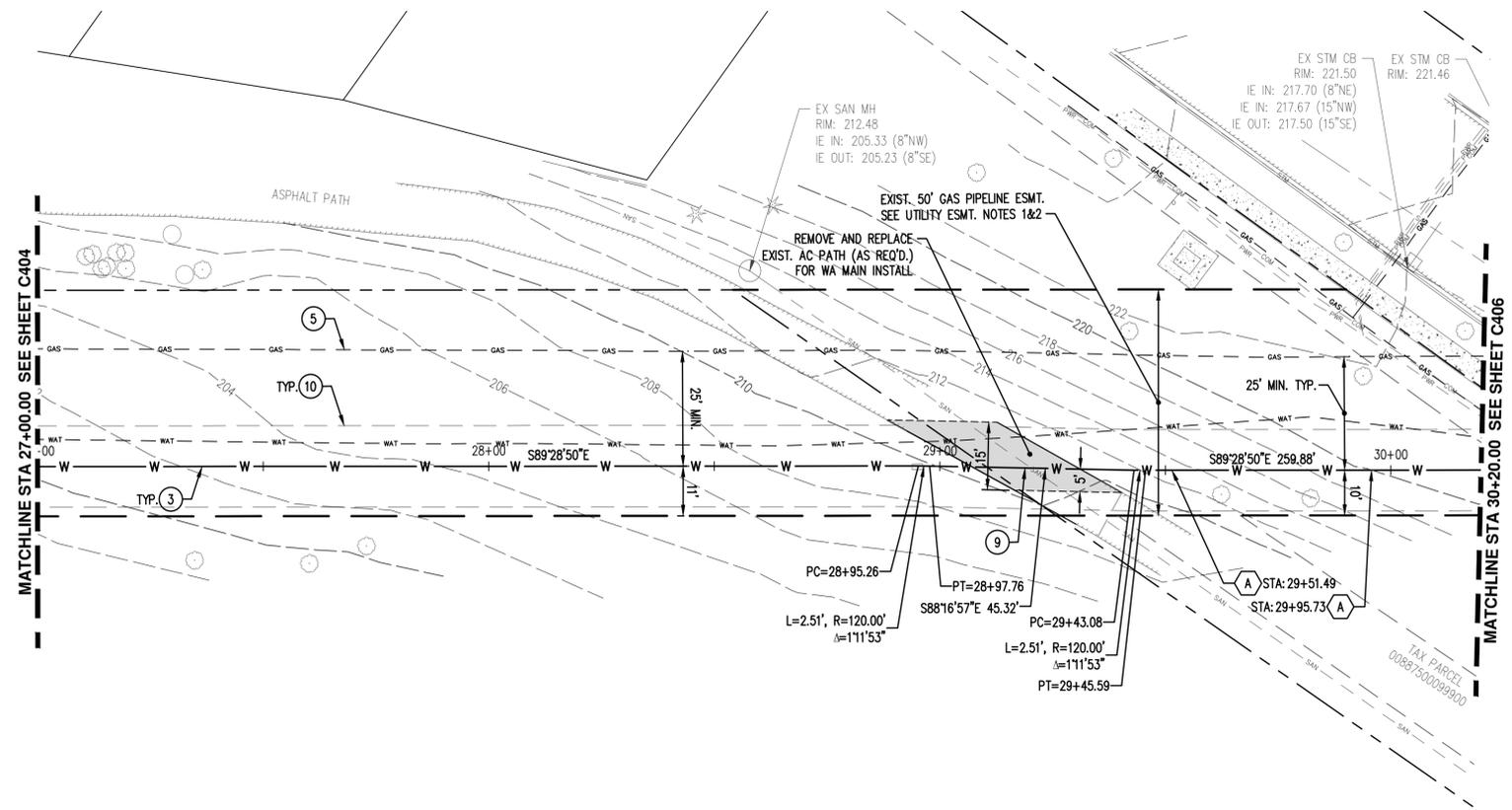


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C404

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C404_WATER_MAIN_PLAN_AND_PROFILE



WATER KEYED NOTES – GENERAL

- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C405

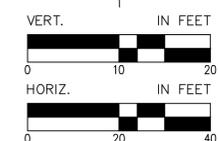
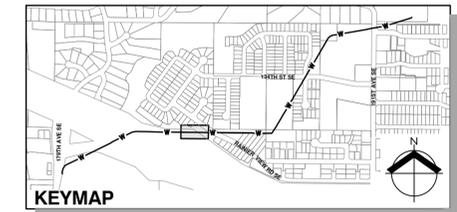
- 24"x11.25" VERT. HDPE BEND, SEE NOTES 3 AND 4

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

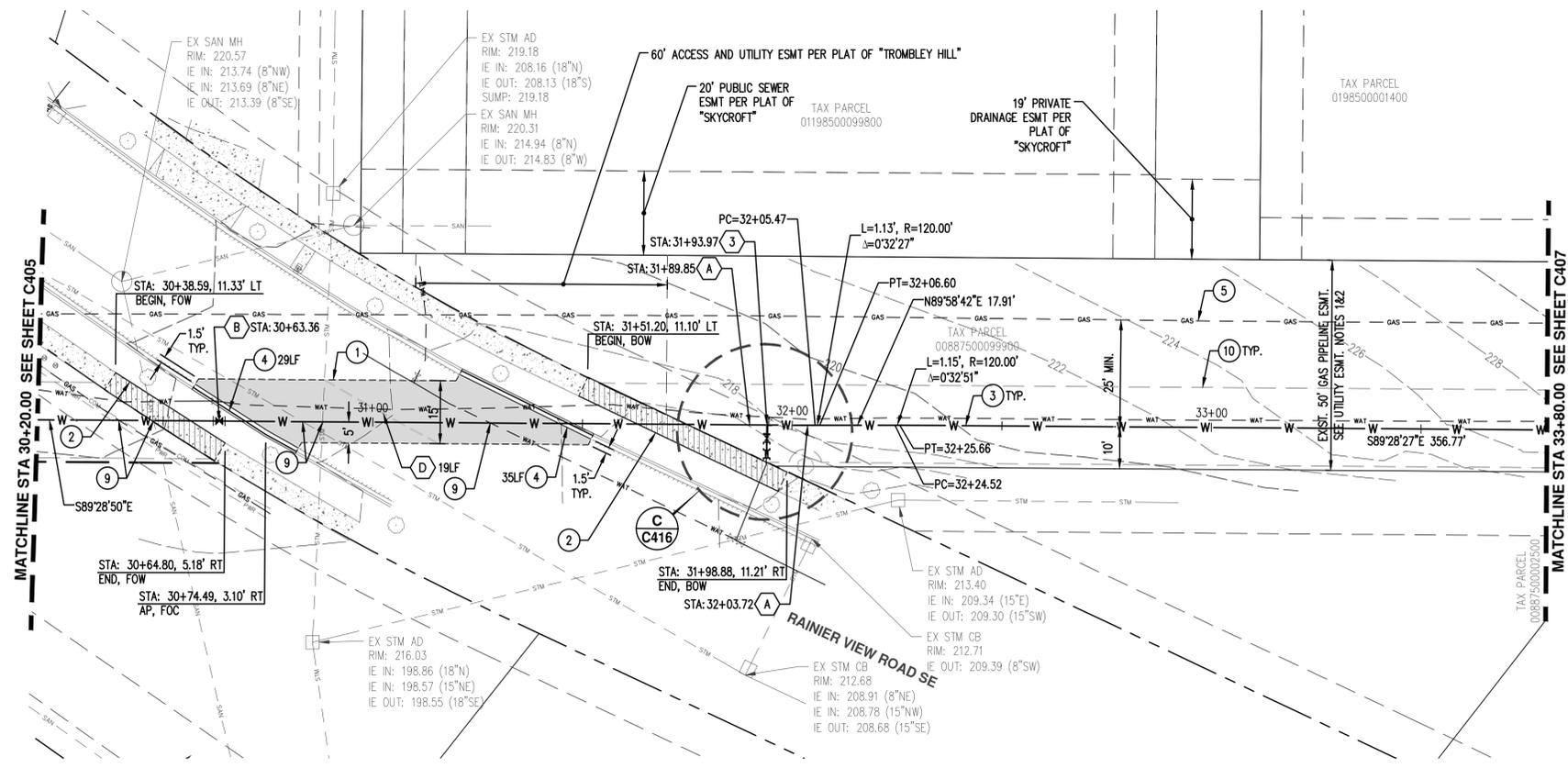
DATE: 9/15/2025



REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C405



WATER KEYED NOTES – GENERAL

- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C406

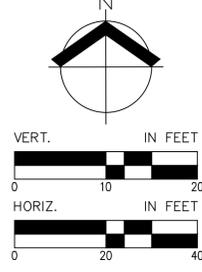
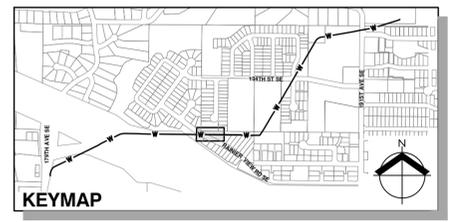
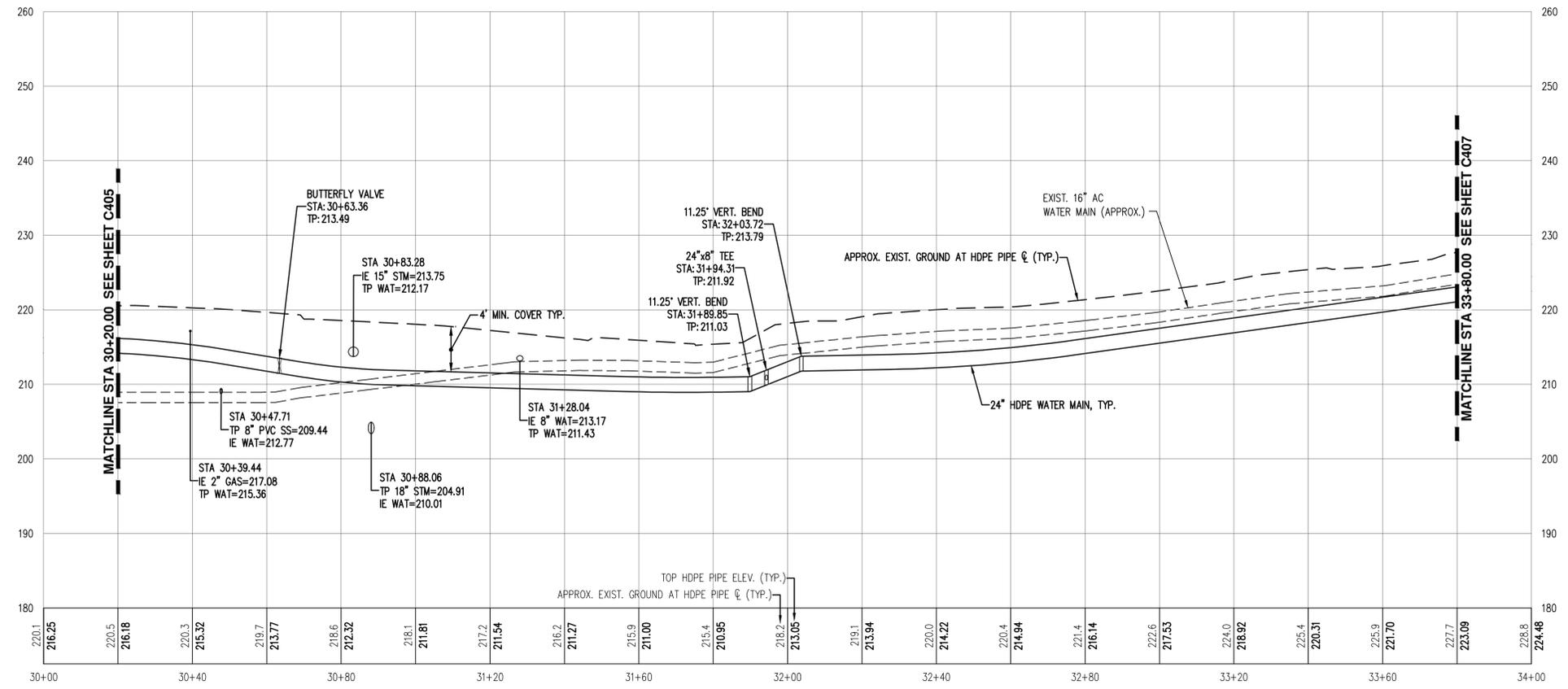
- 24"x11.25" VERT. HDPE BEND, SEE NOTES 3 AND 4
- 24" BUTTERFLY VALVE, FL W/COUPLING ADAPTER FOR HDPE CONN.
- TYPICAL HDPE TEE – FLANGED, PER DET. SHT. C416
- YELLOW THERMOPLASTIC CENTERLINE PER WSDOT STD. PLAN M-20.10-04

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL. LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

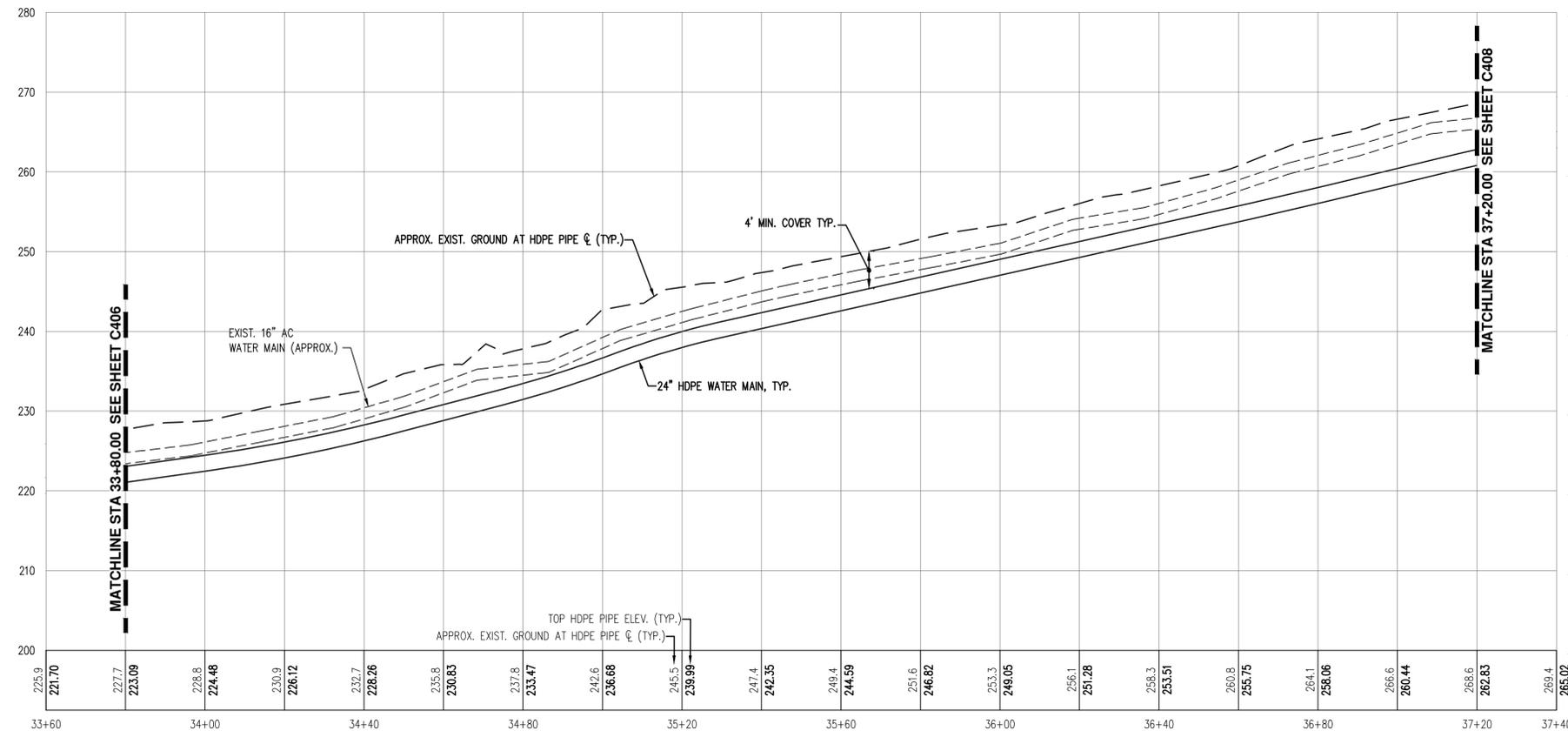
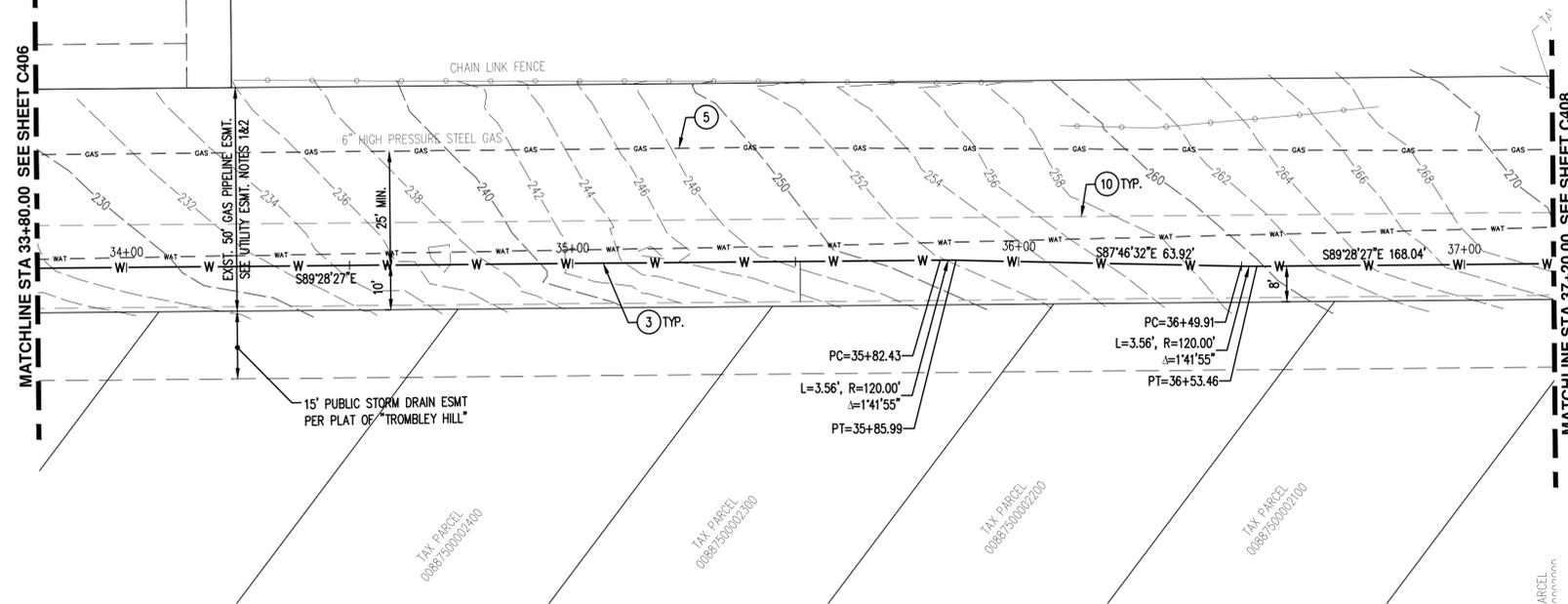


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C406

AKS DRAWING FILE: 12421-01_C406_WALDING_LAYOUTS_C406_WATER_MAIN_PLAN_AND_PROFILE



WATER KEYED NOTES – GENERAL

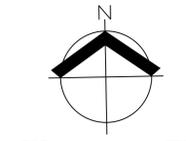
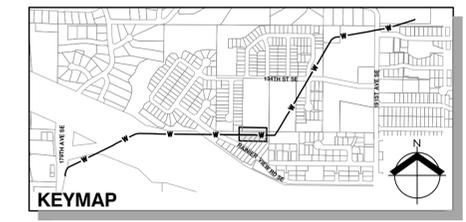
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS

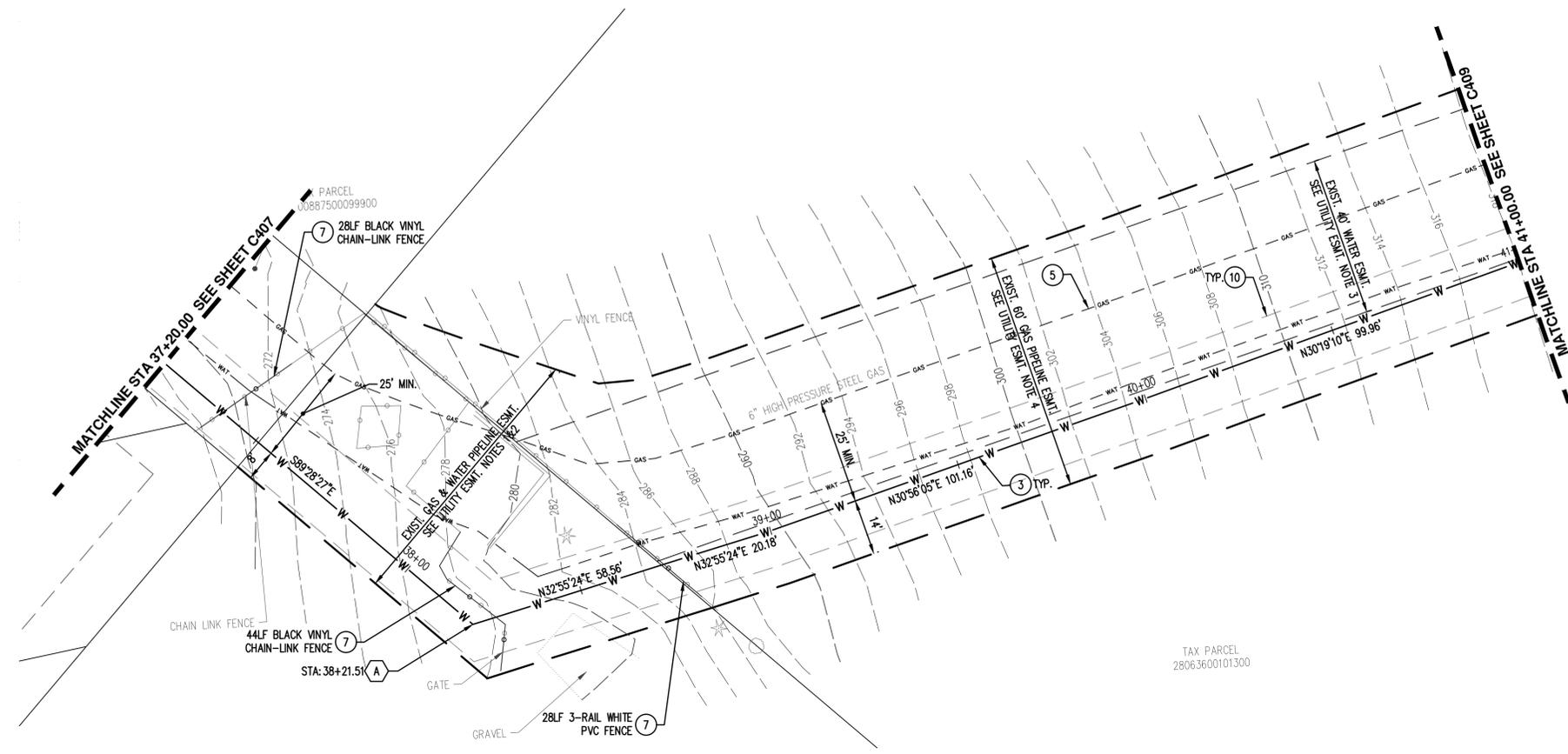


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C407

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C407_WATER_MAIN_PLAN_AND_PROFILE



WATER KEYED NOTES – GENERAL

1. SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
2. REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
3. INSTALL 24" HDPE PIPE; SEE NOTE 3
4. REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
5. EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
6. WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
7. REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
8. REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-2010-09, APPROX. LENGTH PER PLAN
9. PROTECT EXIST. UTILITY
10. APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C408

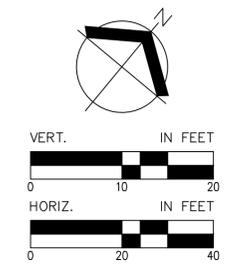
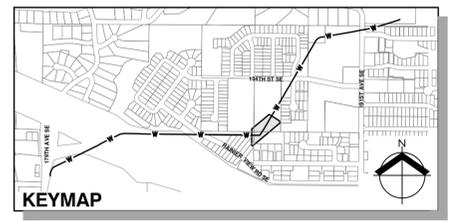
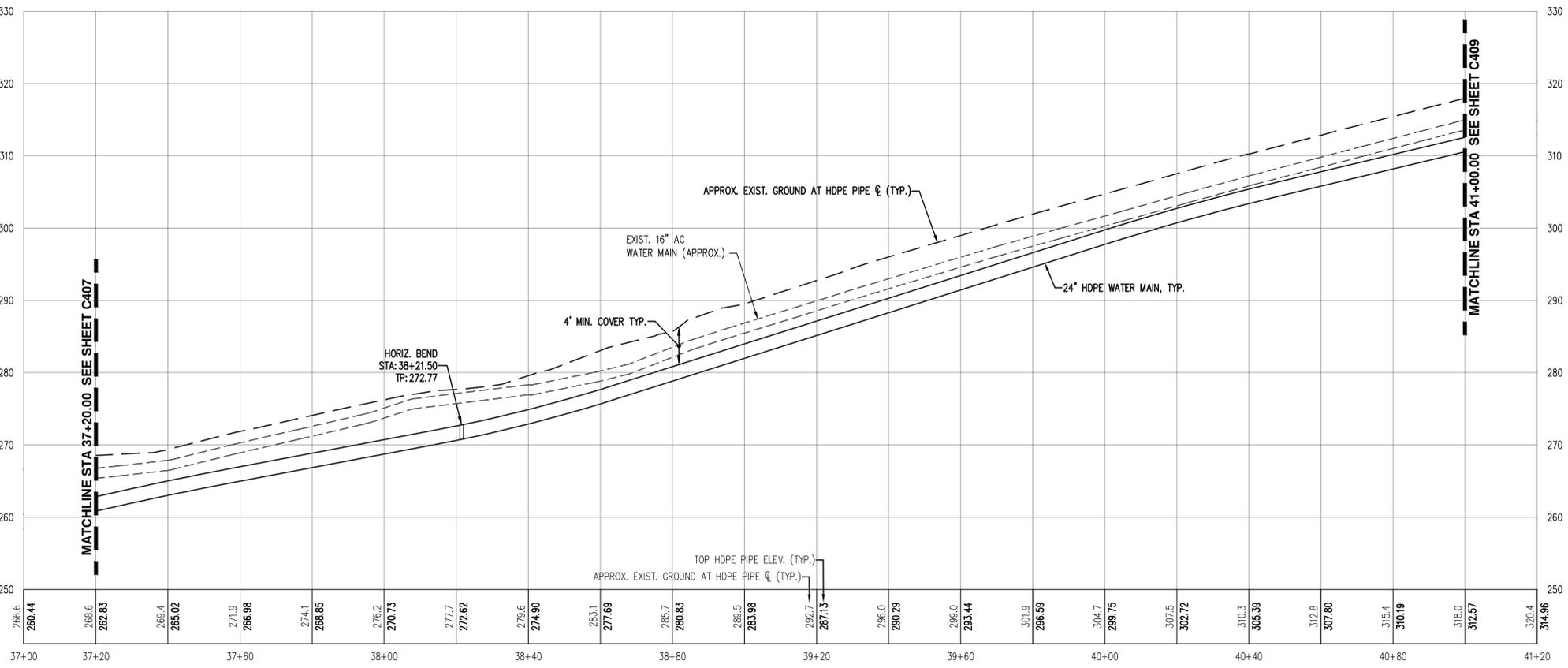
- A. 56.25' HDPE BEND, SEE NOTES 3 AND 4

NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
2. EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
3. HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
4. ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
5. LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
6. EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
7. TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
8. HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
9. CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
10. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
11. ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

1. EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
2. 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
3. 40' WATER EASEMENT PER AFN 7807120156.
4. 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
5. 40' WATER EASEMENT PER AFN 7807120159.
6. 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
7. 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS

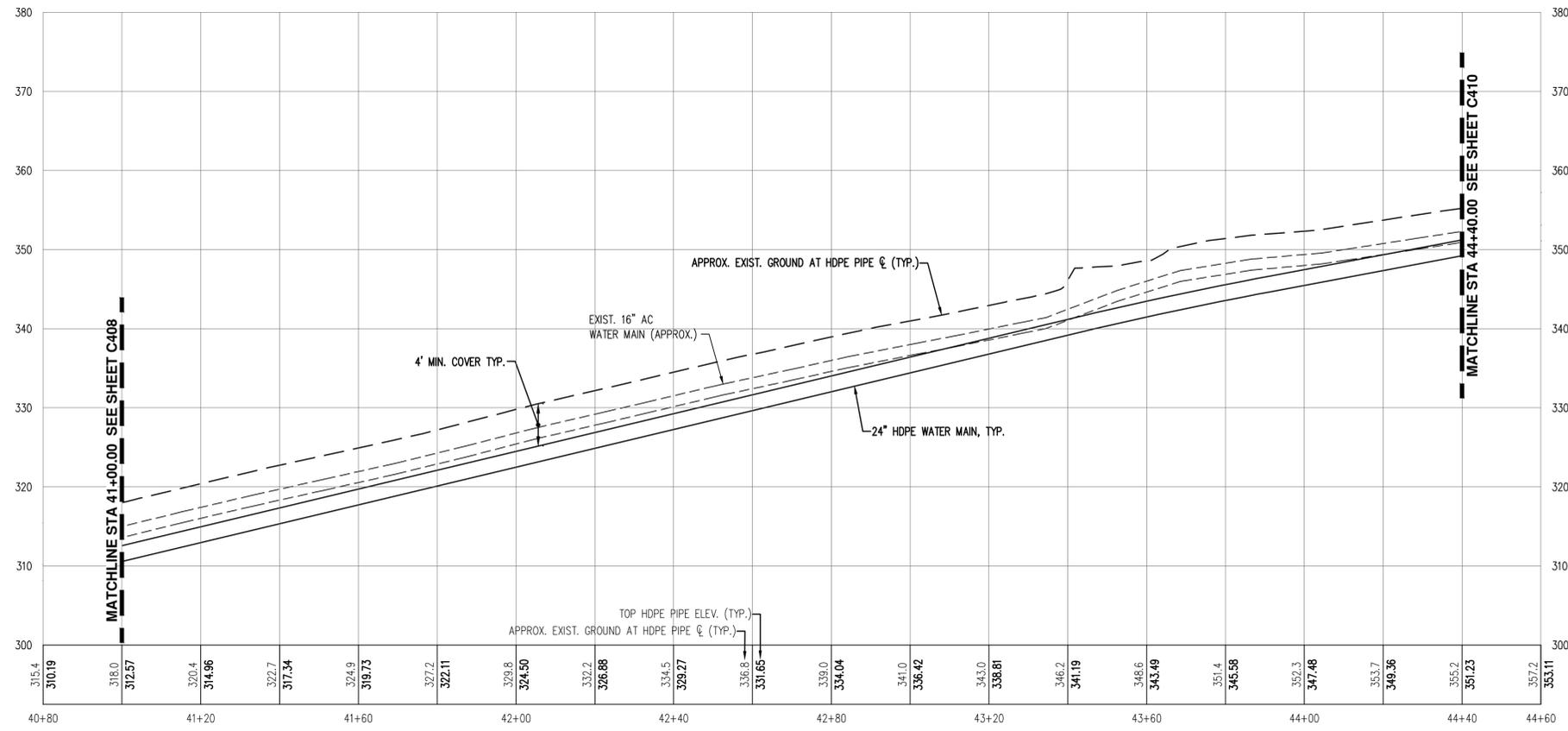
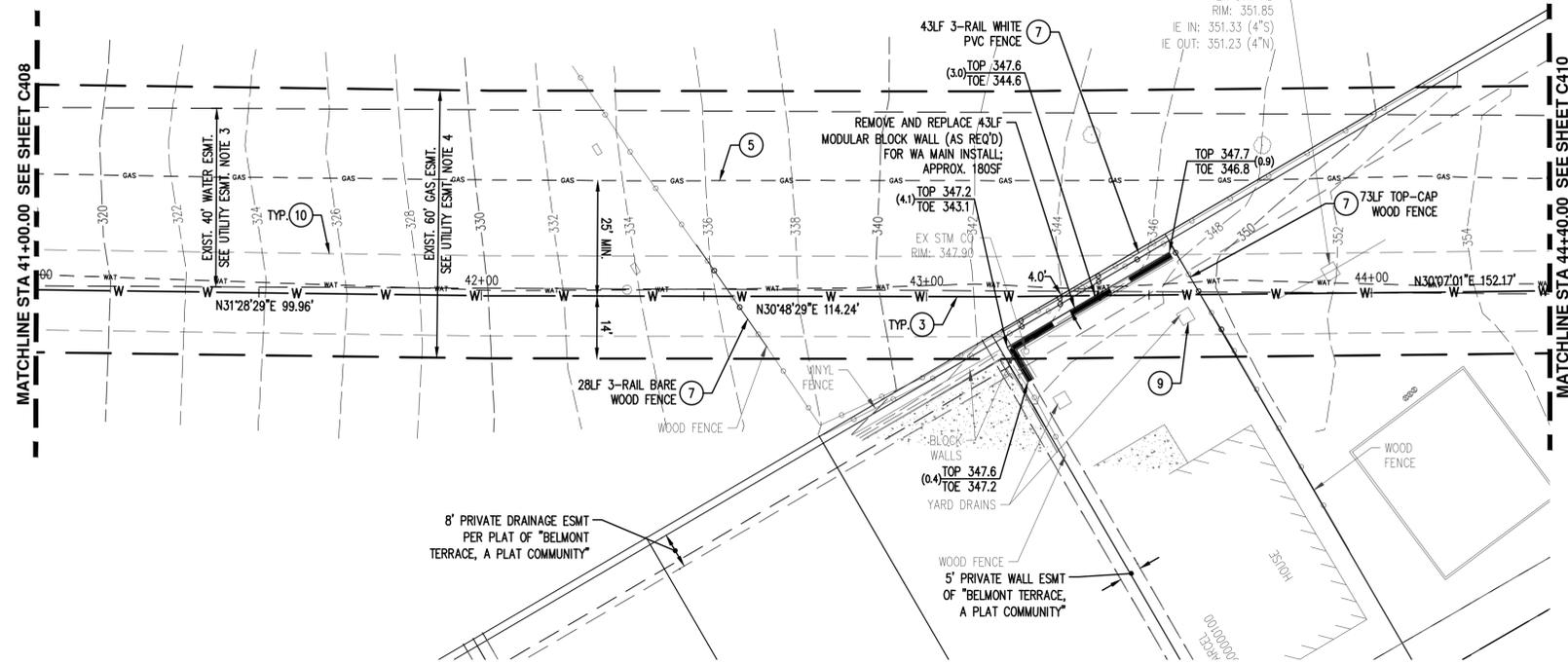


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01
SHEET
C408

AKS DRAWING FILE: 12421-01_C408_WALDING_LAYOUTS_C408_WATER_MAIN_PLAN_AND_PROFILE

AKS DRAWING FILE: 12421-01_C409_WATERING_LAYOUTS_C409_WATER MAIN PLAN AND PROFILE



WATER KEYED NOTES – GENERAL

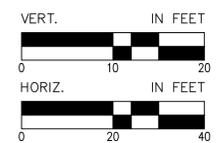
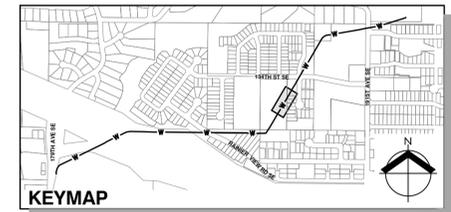
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POT-HOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: MJH
CHECKED BY: JBS

DATE: 9/15/2025

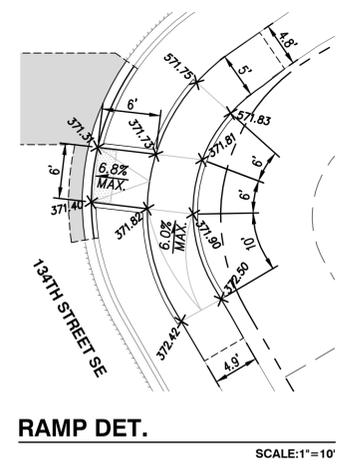
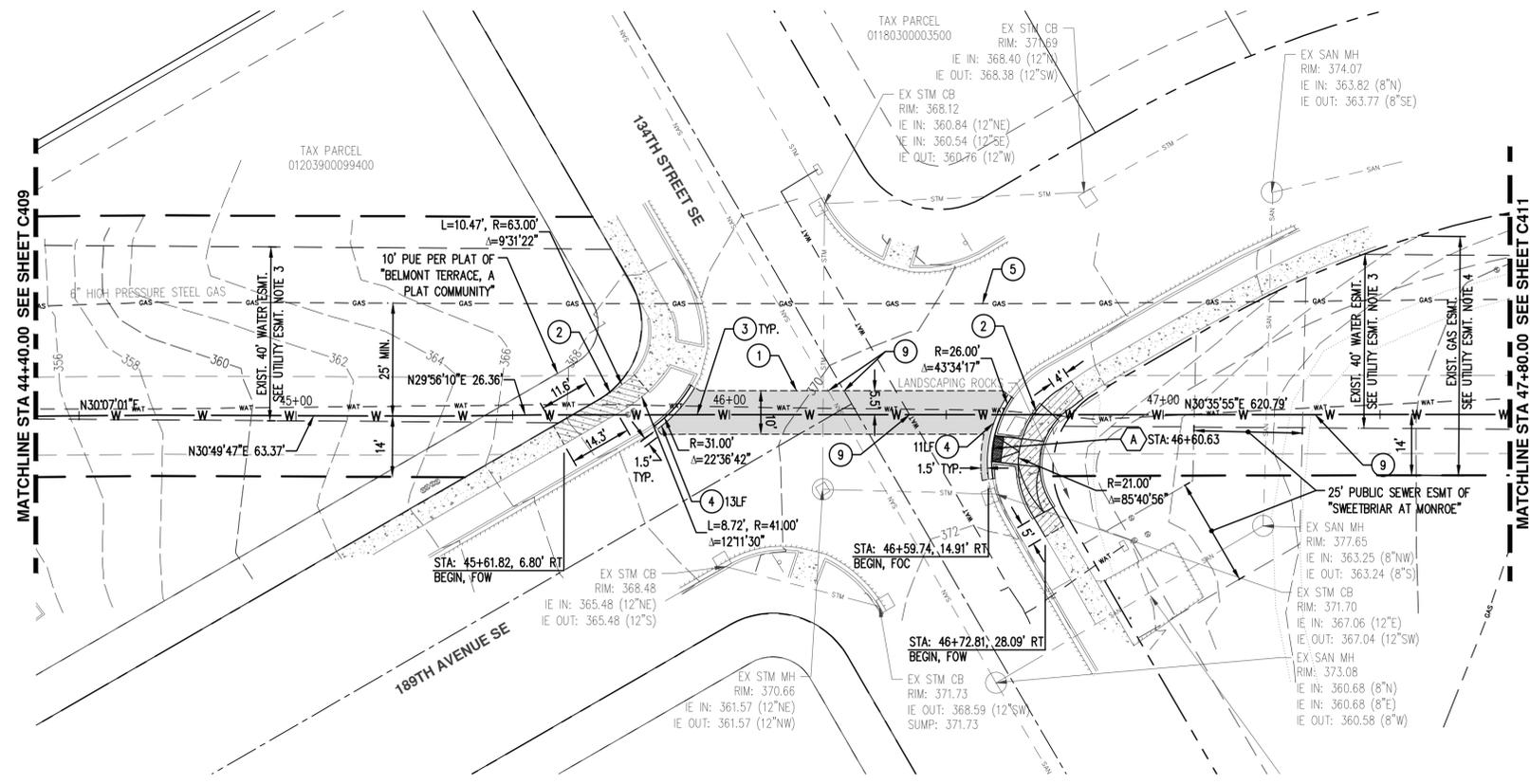


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C409

AKS DRAWING FILE: 12421-01_C410_WALDING_LAYOUTS_C410_WATER_MAIN_PLAN_AND_PROFILE

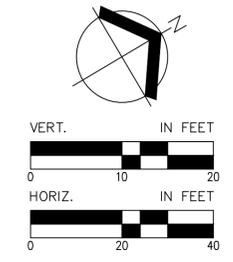
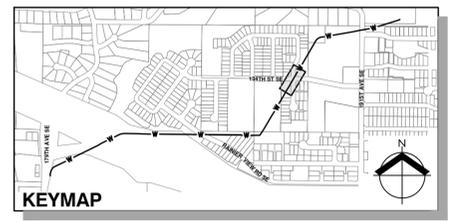
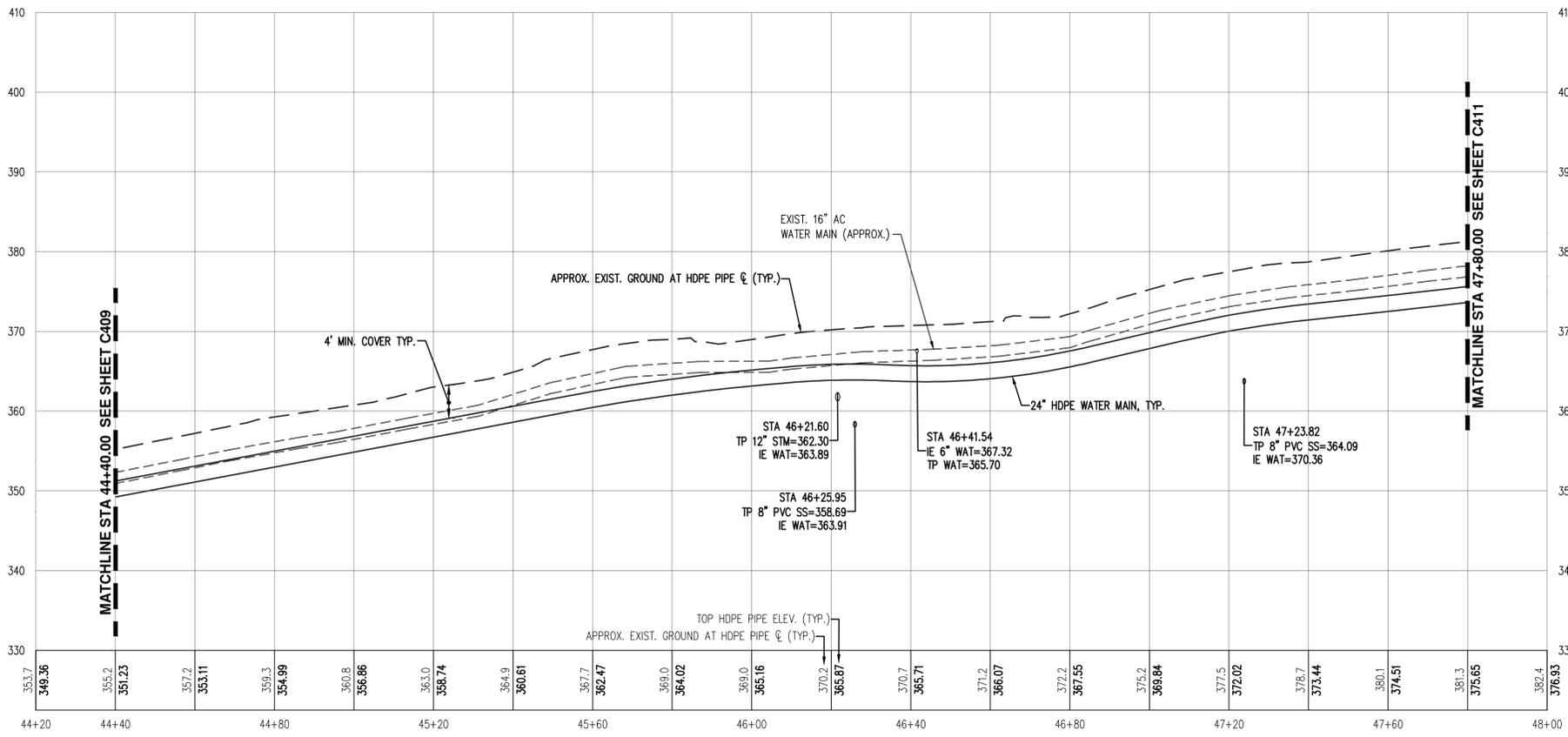


- WATER KEYED NOTES – GENERAL**
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
 - REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
 - INSTALL 24" HDPE PIPE; SEE NOTE 3
 - REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
 - EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
 - WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
 - REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
 - REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-2010-09, APPROX. LENGTH PER PLAN
 - PROTECT EXIST. UTILITY
 - APPROX. LIMITS OF GRADING

- WATER KEYED NOTES – C410**
- CURB RAMP, TYPE 1 PER COM STD. DET. 313, SEE RAMP DET. THIS SH.T.

- NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
 - EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
 - HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
 - ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
 - LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
 - EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
 - TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD INTEGRAL WITH PIPE SEGMENT.
 - HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER.
 - CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
 - ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

- EXISTING UTILITY EASEMENT NOTES:**
- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
 - 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
 - 40' WATER EASEMENT PER AFN 7807120156.
 - 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
 - 40' WATER EASEMENT PER AFN 7807120159.
 - 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
 - 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



AKS
AKS ENGINEERING & FORESTRY, LLC
11321 B. NE 120TH ST
KIRKLAND, WA 98034
425.965.2390
WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**

CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

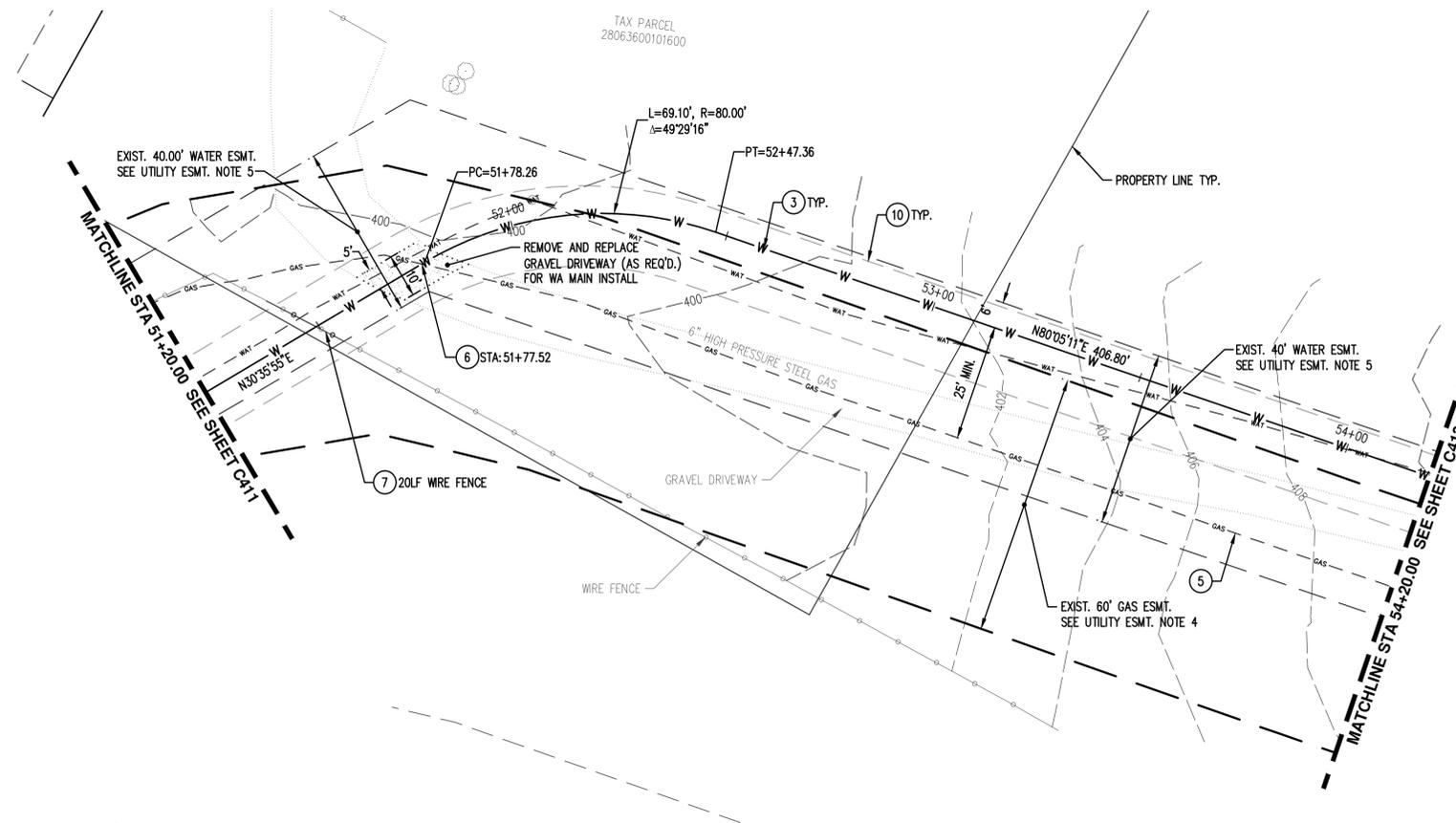
DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.
DATE: 9/15/2025

COTTON M. DARLEN
Professional Engineer
No. 2764

REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C410



WATER KEYED NOTES – GENERAL

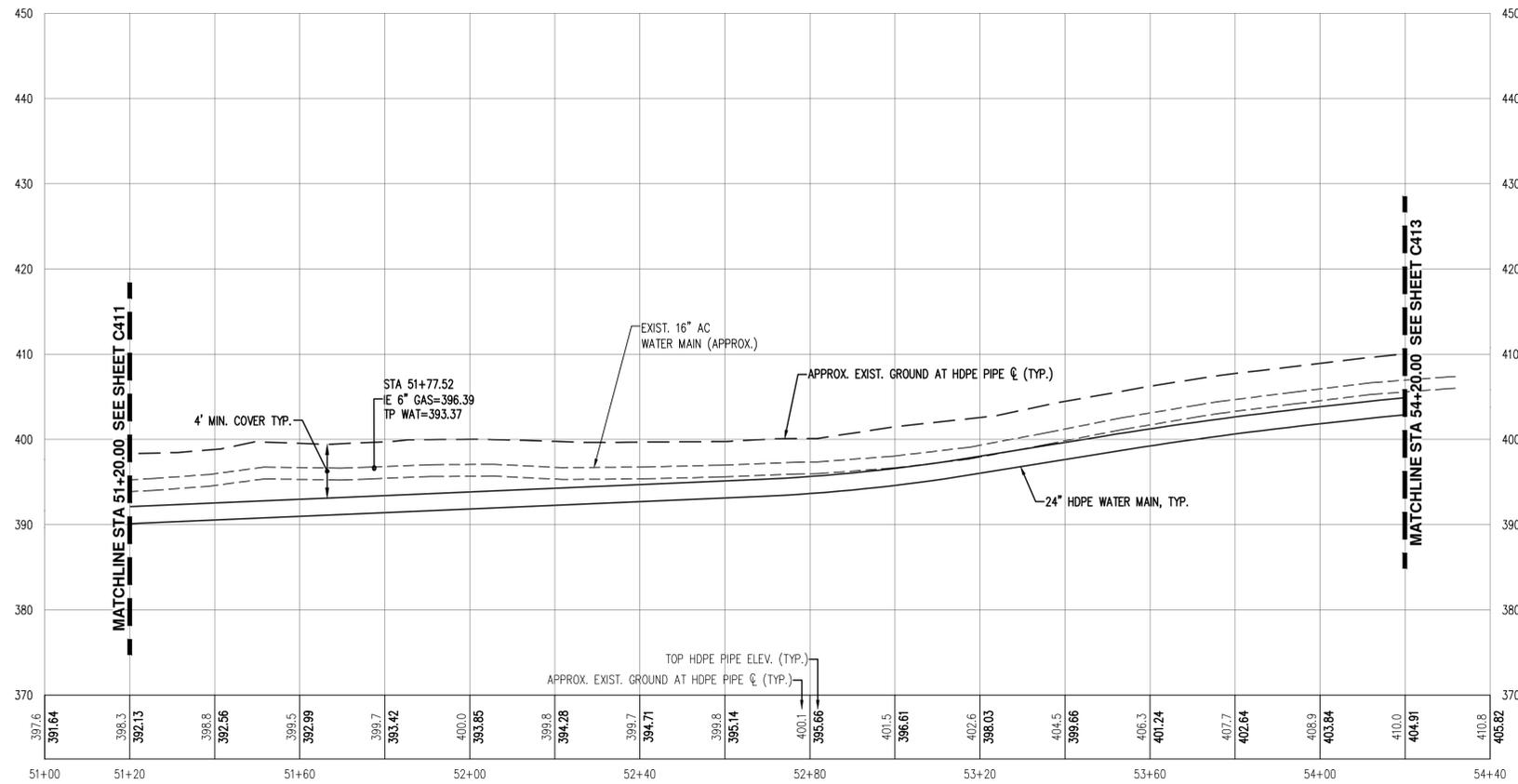
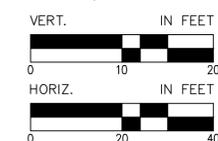
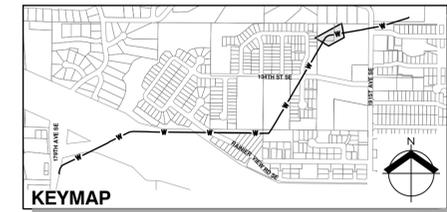
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



AKS DRAWING FILE: 12421-01_C410_WALDING_LAYOUTS_C412_WATER_MAIN_PLAN_AND_PROFILE



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

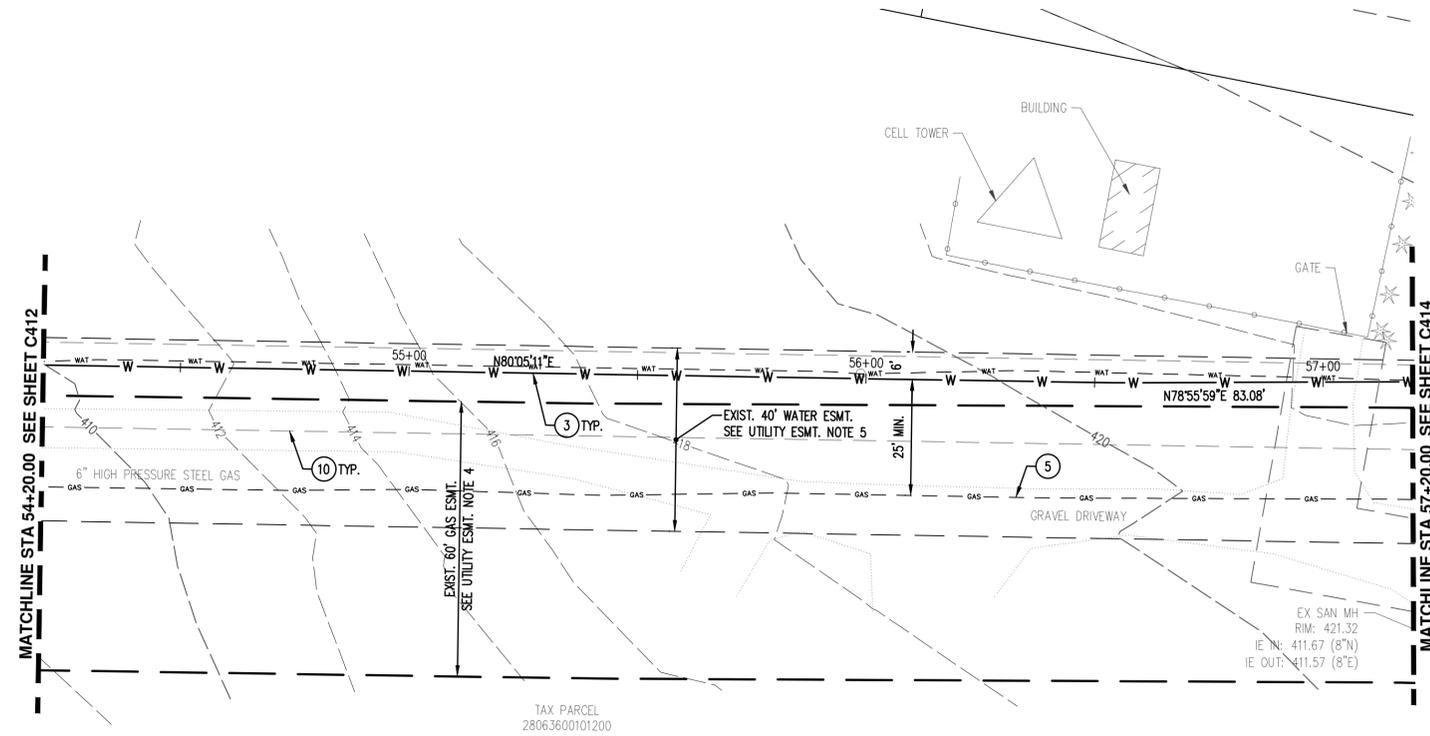
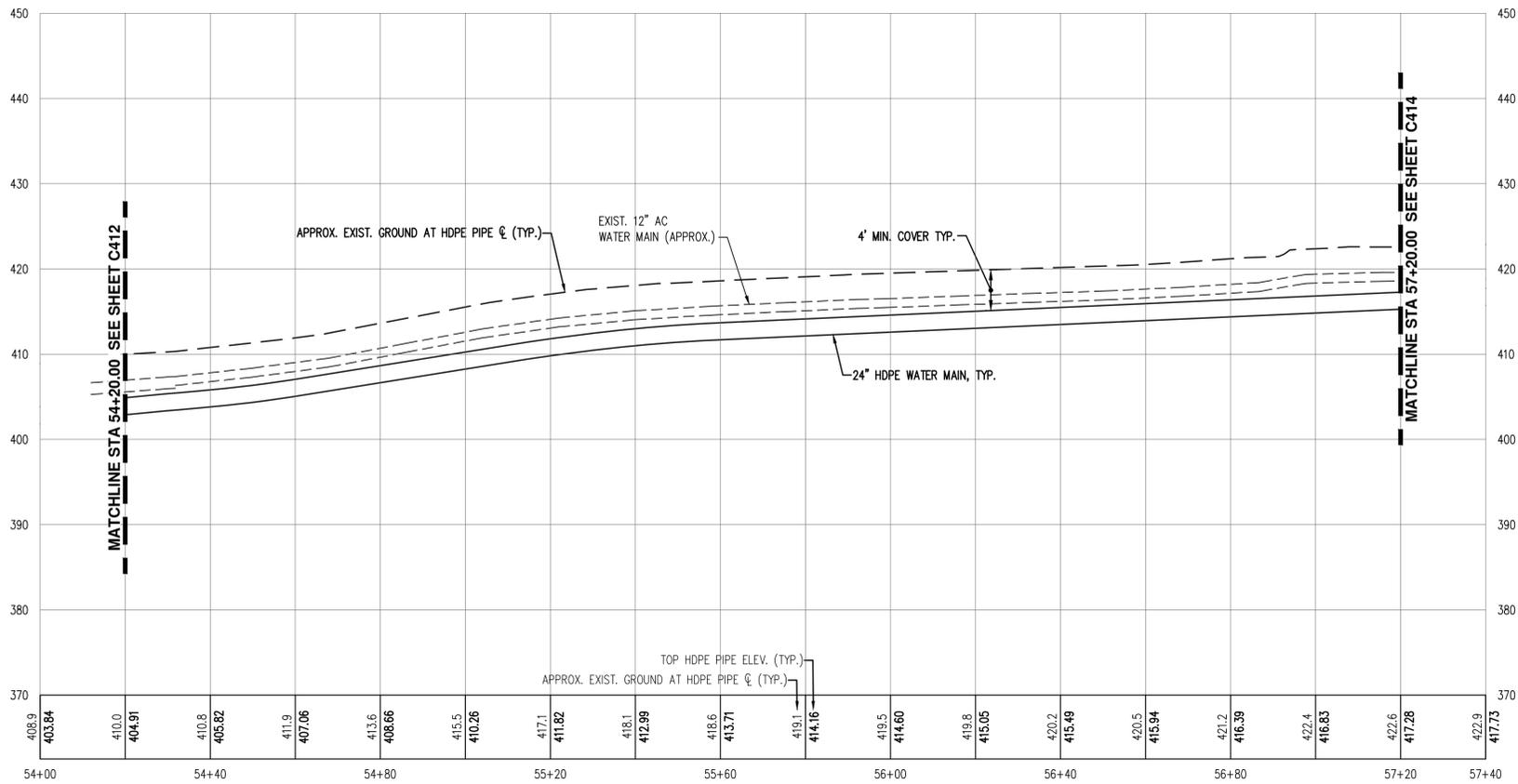


REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C412

AKS DRAWING FILE: 12421-01_C400_WADING_LAYOUTS_C413_WATER_MAIN_PLAN_AND_PROFILE



WATER KEYED NOTES – GENERAL

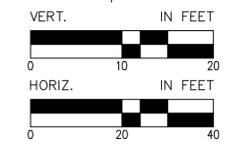
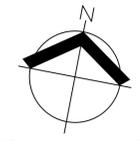
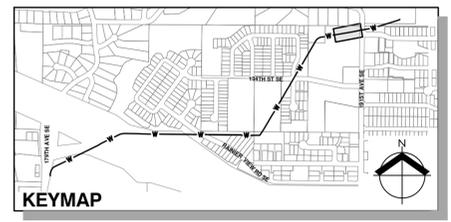
- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C306. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

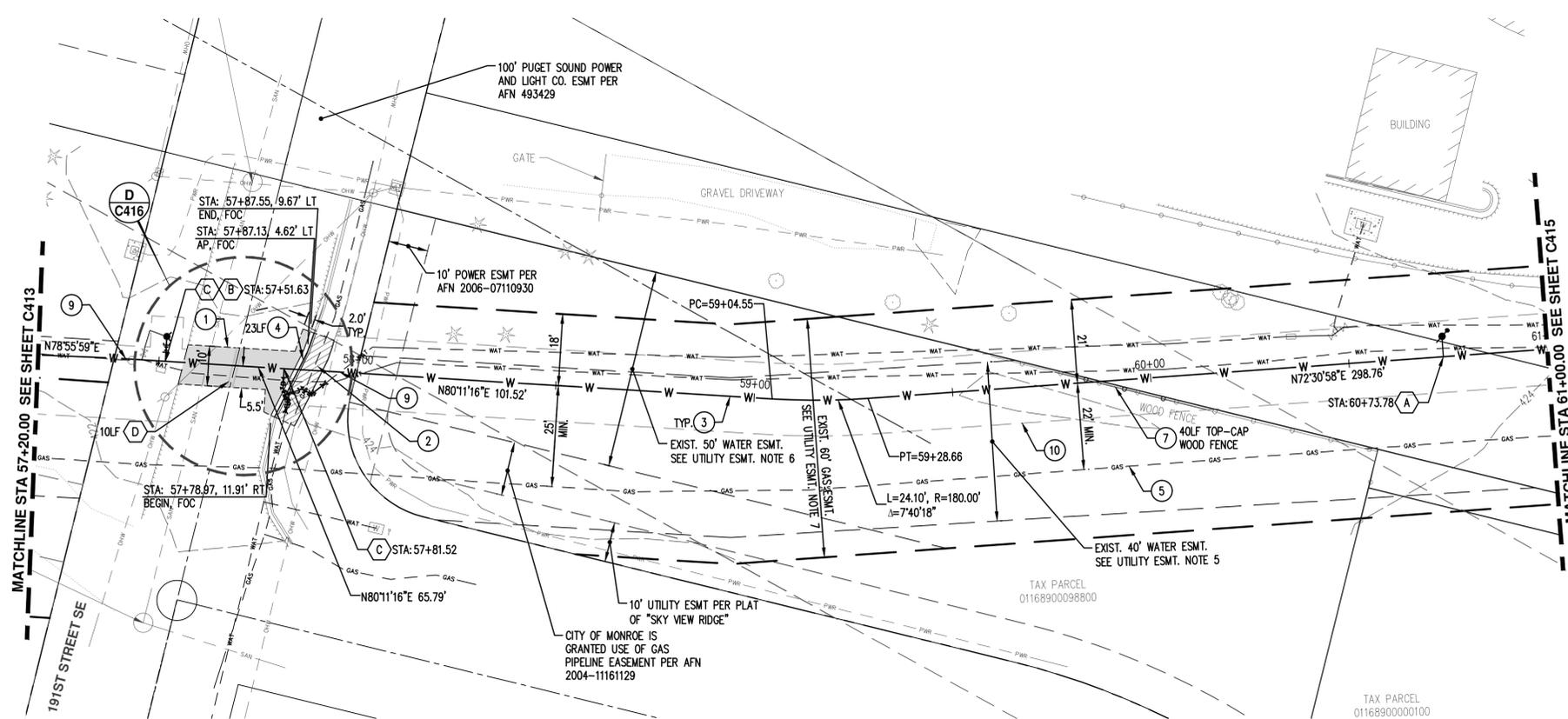
**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.



REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01
SHEET
C413



WATER KEYED NOTES – GENERAL

- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-2010-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C414

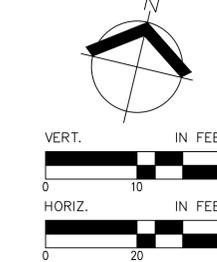
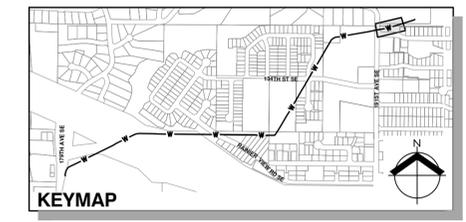
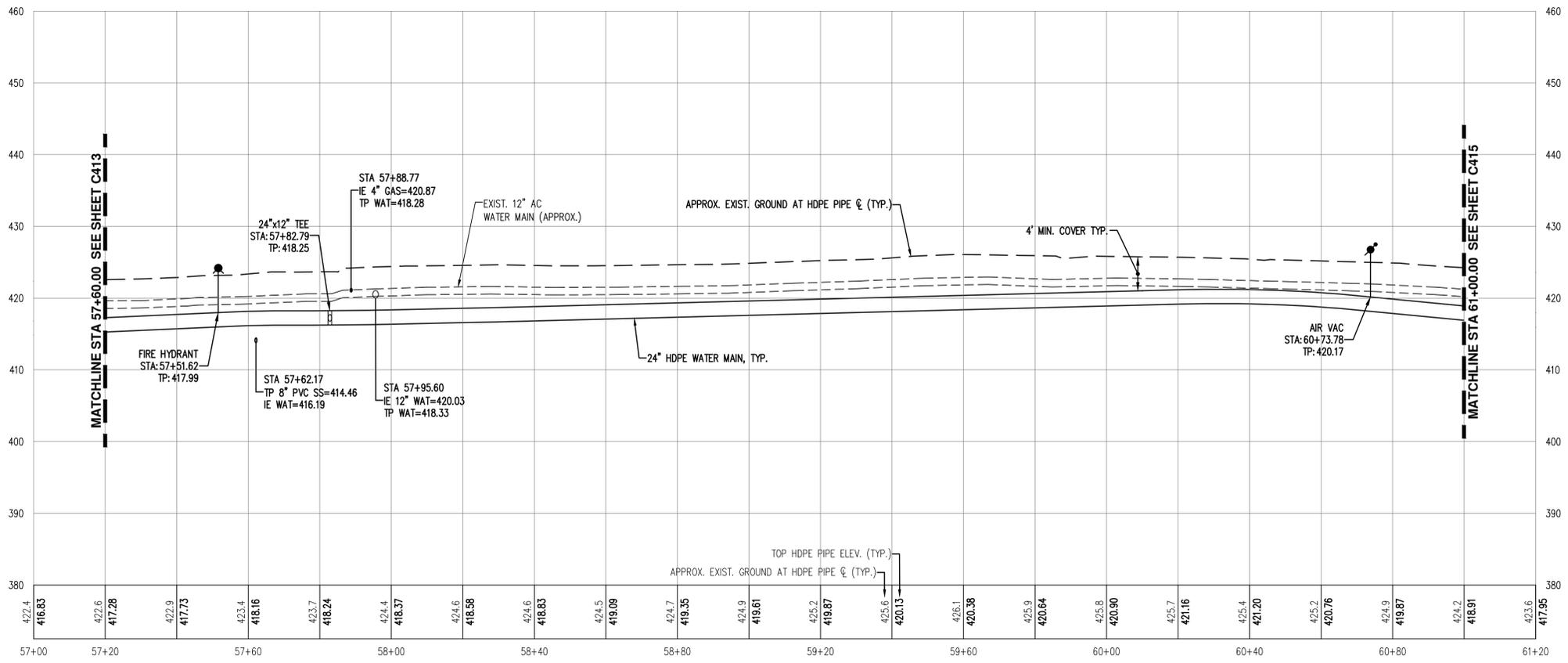
- 1" AIR AND VACUUM RELEASE VALVE PER COM STD. DET. 511
- REMOVE, REPLACE EXIST. FIRE HYDRANT ASSEMBLY PER COM STD. DET. 506
- TYPICAL HDPE TEE – FLANGED, PER DET. SHT. C416
- YELLOW THERMOPLASTIC CENTERLINE PER WSDOT STD. PLAN M-20.10-04

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



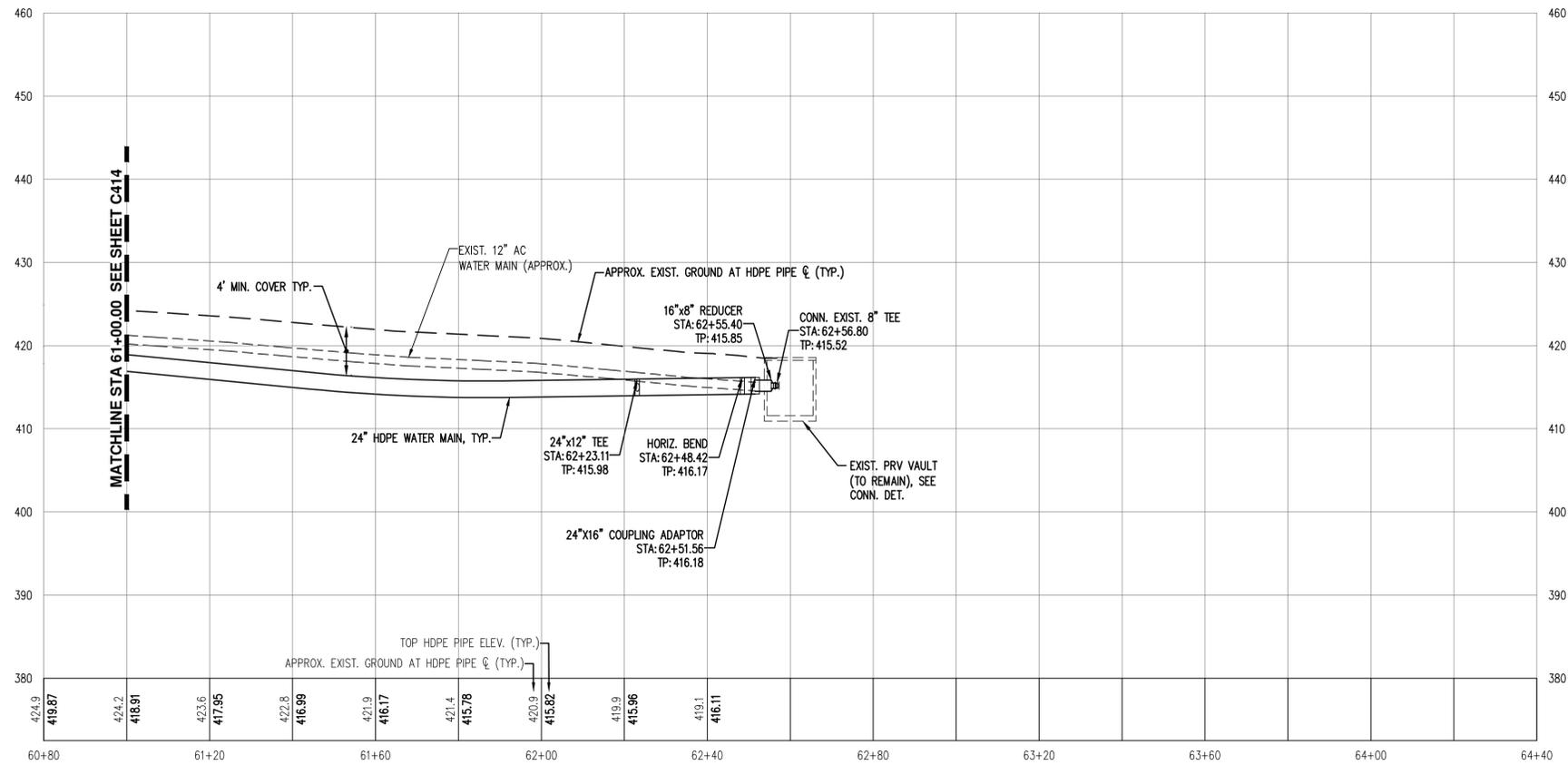
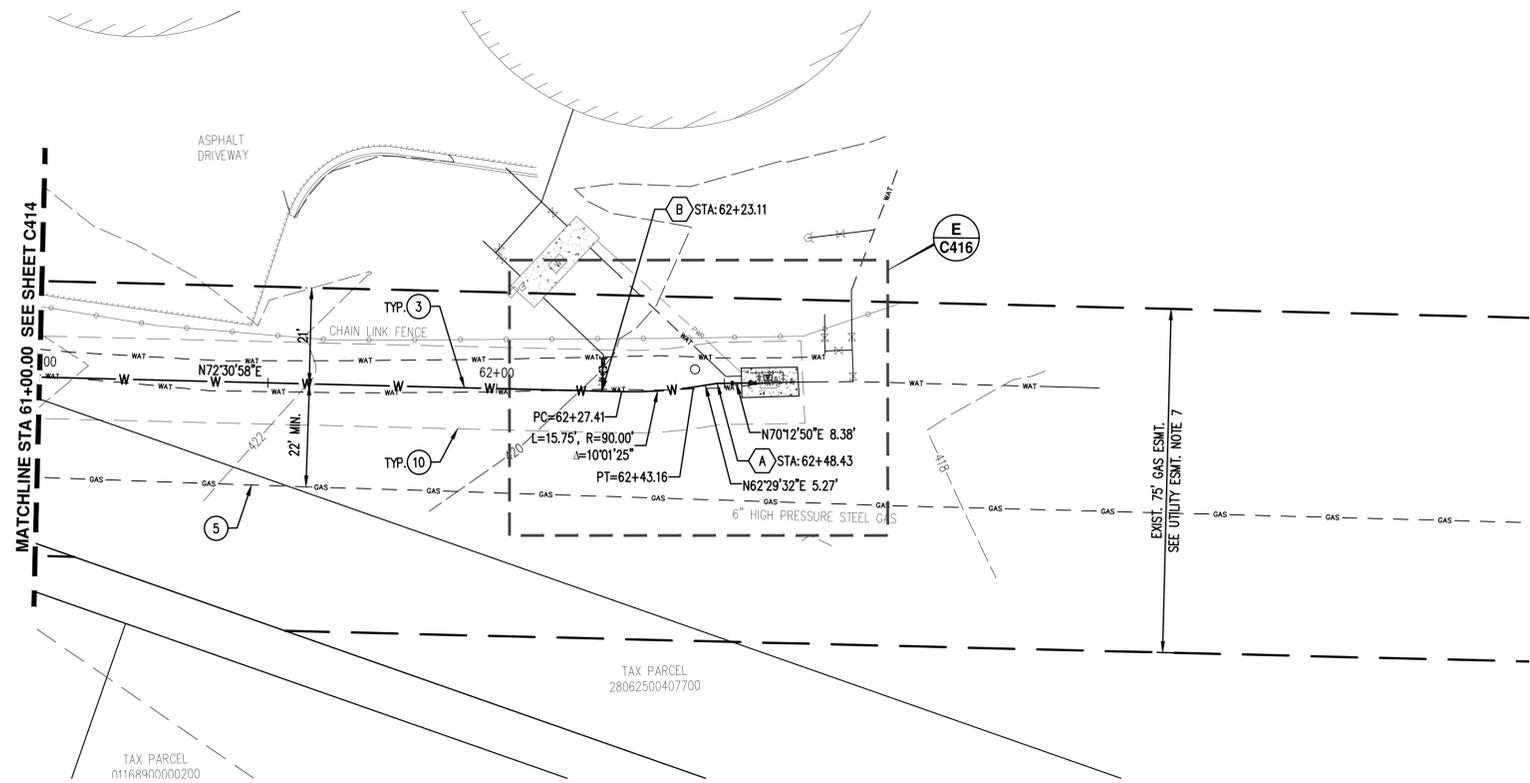
**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY:	CMD
DRAWN BY:	PCE
MANAGED BY:	MJH
CHECKED BY:	JBS
DATE:	9/15/2025

REVISIONS	
90% REVIEW SUBMITTAL	
JOB NUMBER	12421-01
SHEET	C414

AKS DRAWING FILE: 12421-01_C400_WALDING_LAYOUTS_C414_WATER_MAIN_PLAN_AND_PROFILE



WATER KEYED NOTES – GENERAL #

- SAWCUT, REMOVE, AND REPLACE EXIST. HMA PAVEMENT SECTION PER COM STD. DET. 317
- REMOVE AND REPLACE CEMENT CONC. SIDEWALK TO NEAREST JOINT PER COM STD. DET. 309, SEE NOTE 6
- INSTALL 24" HDPE PIPE; SEE NOTE 3
- REMOVE AND REPLACE CEMENT CONC. CURB AND GUTTER PER COM STD. DET. 305, APPROX. LENGTH PER PLAN; SEE NOTE 6
- EXIST. 6" HIGH PRESSURE STEEL GAS PIPELINE (TO REMAIN); PROTECT AND RESTRICT WORK IN VICINITY PER WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- WATER LINE CROSSING AT 6" HIGH PRESSURE STL. GAS PIPELINE IN ACCORDANCE WITH WILLIAMS PIPELINE REQUIREMENTS, SEE C002
- REMOVE AND REPLACE EXIST. FENCE IN-KIND, APPROX. LENGTH AND TYPE PER PLAN
- REMOVE AND REPLACE STL. (W-BEAM) GUARDRAIL WITH BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09, APPROX. LENGTH PER PLAN
- PROTECT EXIST. UTILITY
- APPROX. LIMITS OF GRADING

WATER KEYED NOTES – C415 A

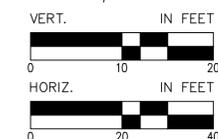
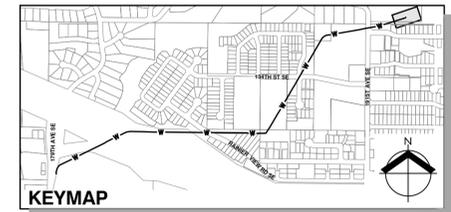
- 24"x11.25" HDPE BEND, SEE NOTES 3 AND 4
- TYPICAL HDPE TEE – FLANGED, PER DET. SHT. C416

NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
- EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
- HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
- ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL.
- LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION. PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
- EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
- TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
- HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
- CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
- ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.

EXISTING UTILITY EASEMENT NOTES:

- EASEMENT GRANTED FOR GAS PIPELINE PER AFN 1256195 AND PERMISSION GRANTED TO CITY OF MONROE TO USE EXISTING GAS EASEMENT PER AFN 2119348; NO EXACT LOCATION OF EASEMENT NOTED IN EITHER DEED.
- 50' WATERLINE EASEMENT PER DOC NO 1256195 AND 7807120159.
- 40' WATER EASEMENT PER AFN 7807120156.
- 60' GAS EASEMENT, PER AFN 1244293, MODIFIED PER AFN 2017-03010199.
- 40' WATER EASEMENT PER AFN 7807120159.
- 50' EASEMENT GRANTED TO CITY OF MONROE FOR WATERLINE PURPOSES.
- 60' RIGHT-OF-WAY FOR GAS PIPELINE PER AFN 122294, AMENDED PER AFN 1244294.



**TROMBLEY HILL TRANSMISSION
MAIN REPLACEMENT**
CITY PROJECT NO. M2025-0009
CITY OF MONROE, SNOHOMISH COUNTY, WASHINGTON

**WATER MAIN
PLAN AND PROFILE**

DESIGNED BY: CMD
DRAWN BY: PCE
MANAGED BY: M.J.H.
CHECKED BY: J.B.S.

DATE: 9/15/2025



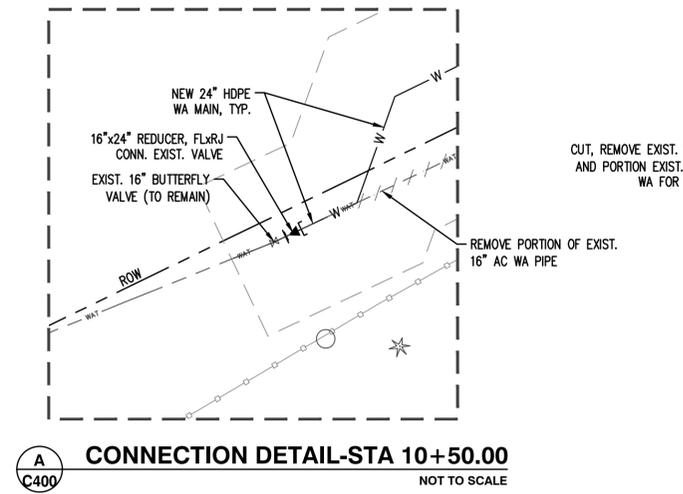
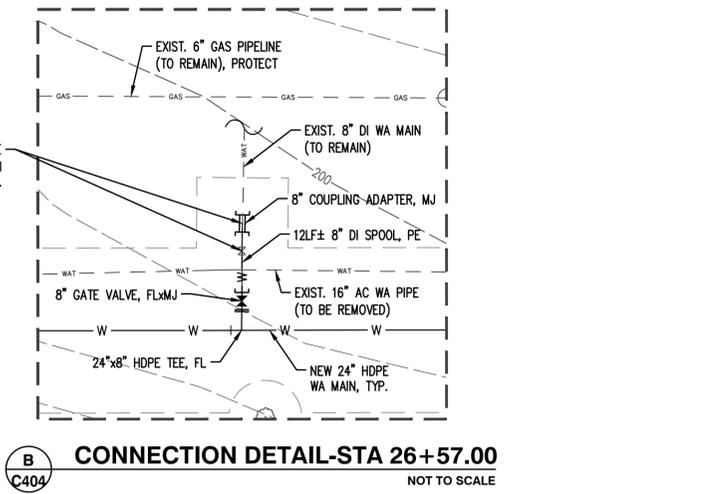
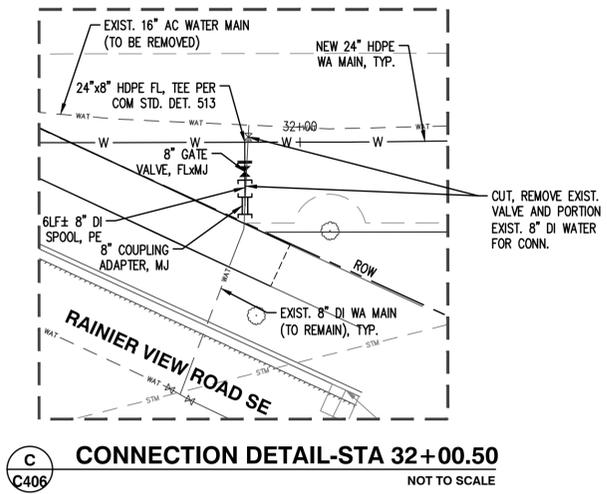
REVISIONS
90% REVIEW SUBMITTAL

JOB NUMBER
12421-01

SHEET
C415



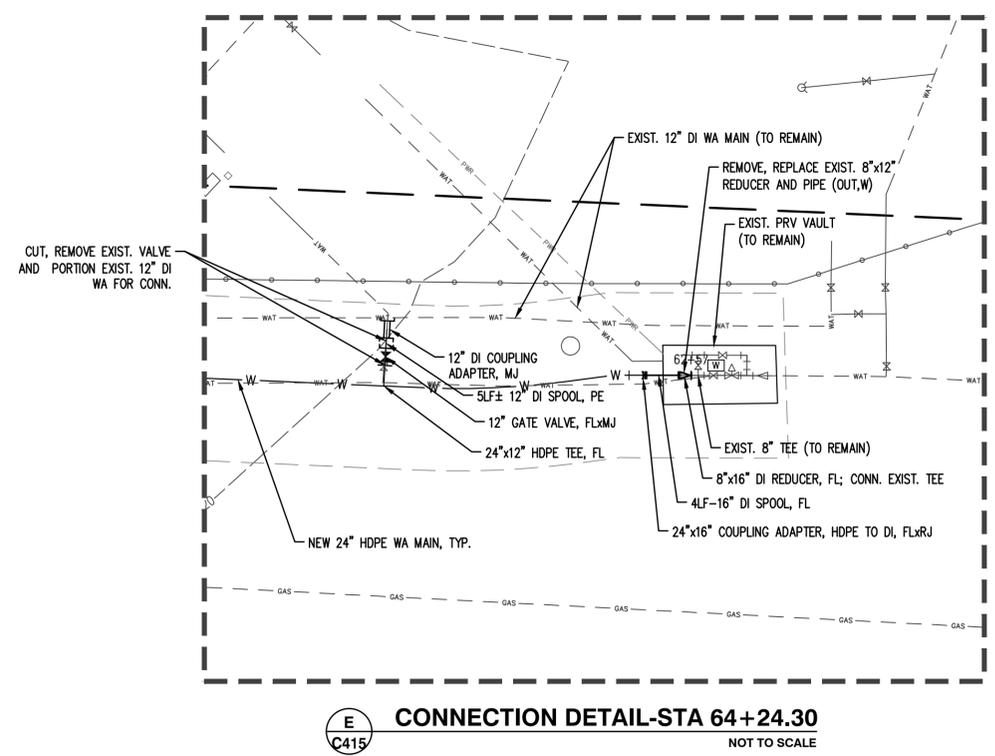
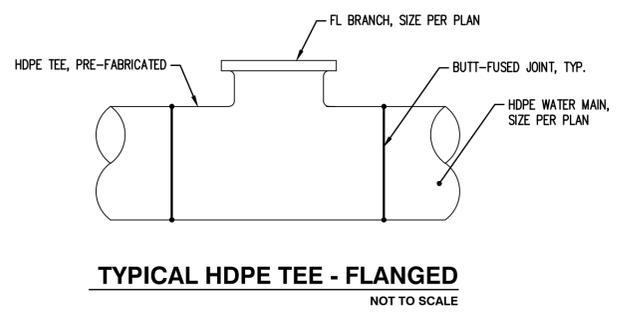
- NOTES:**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL PROJECT NOTES AND SPECIFICATIONS PROVIDED ON SHEET C002.
 - EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE ABANDONED IN-PLACE IN ACCORDANCE WITH CITY STANDARDS AND PROJECT SPECIAL PROVISIONS TO GREATEST EXTENT PRACTICAL. ANY AC PIPE MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF HEALTH AND OTHER APPLICABLE PROJECT SPECIFICATIONS.
 - HDPE PIPE AND FITTINGS FOR WATER MAIN SHALL BE DIPS DR9 (CLASS 250) CONFORMING TO ANSI/AWWA C906. HDPE PIPE JOINTS AND FITTING CONNECTIONS SHALL BE BUTT-FUSED IN ACCORDANCE WITH PIPE MANUFACTURER STANDARDS UNLESS NOTED OTHERWISE.
 - ALL PIPE, FITTINGS, AND APPURTENANCE SIZE REFERENCES ARE NOMINAL. LOCATION AND CONFIGURATION OF EXISTING WATER AND SEWER FACILITIES, INCLUDING INDIVIDUAL SERVICES, ARE SHOWN PER AVAILABLE RECORD INFORMATION, PAVEMENT MARKING, AND/OR FIELD SURVEY OF LIMITED SURFACE FEATURES. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND SERVICE CONNECTIONS SHOWN FOR PROPOSED WATER MAIN TO VERIFY SIZE, LOCATION, AND AS-BUILT CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES OR REQUIRED CORRECTIONS PRIOR TO CONSTRUCTION AND FINAL PROCUREMENT OF MATERIALS.
 - EXISTING CONCRETE CURB, GUTTER, AND SIDEWALK TO BE REPLACED SHALL BE REMOVED TO NEAREST EXPANSION JOINT BEYOND WORK LIMITS AND/OR ANY DISTURBED OR DAMAGED PORTIONS AS DIRECTED BY ENGINEER. LIMITS SHOWN ON PLAN ARE APPROXIMATE.
 - TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH COM STANDARD DETAIL 102.
 - HDPE PIPE BENDS AND FITTINGS SHALL BE PRE-FABRICATED BY PIPE MANUFACTURER INTEGRAL WITH PIPE SEGMENT.
 - CONTRACTOR SHALL VERIFY TIE-IN LOCATION OF EXISTING GUARDRAIL POST AND EXTEND NEW GUARDRAIL AS REQUIRED TO MAKE CONNECTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING CONSTRUCTION.
 - ALL PAVEMENT, CURB, AND CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT FULL DEPTH TO A CLEAN VERTICAL EDGE TO MATCH PROPOSED IMPROVEMENTS.



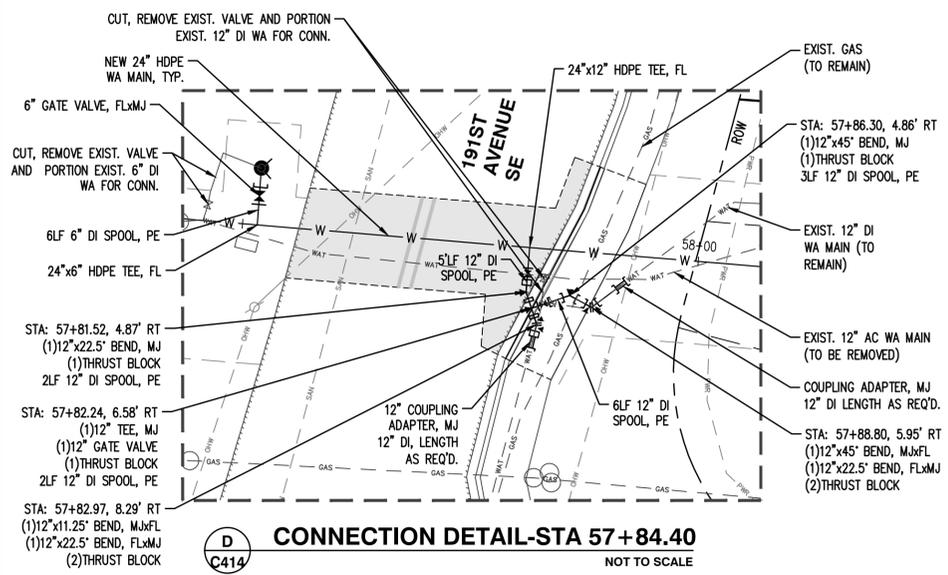
A CONNECTION DETAIL-STA 10+50.00
C400 NOT TO SCALE

B CONNECTION DETAIL-STA 26+57.00
C404 NOT TO SCALE

C CONNECTION DETAIL-STA 32+00.50
C406 NOT TO SCALE

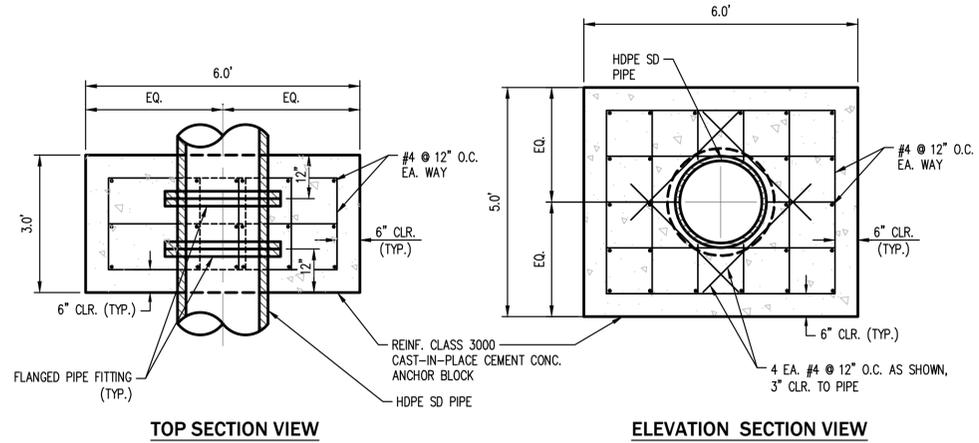


E CONNECTION DETAIL-STA 64+24.30
C415 NOT TO SCALE



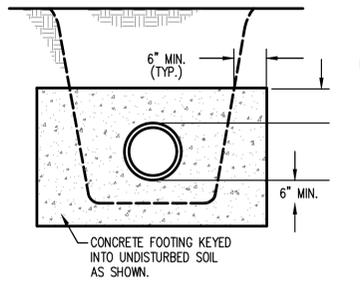
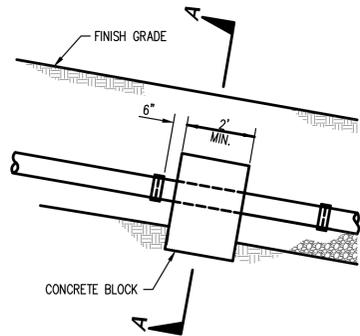
D CONNECTION DETAIL-STA 57+84.40
C414 NOT TO SCALE

AKS DRAWING FILE: 12421-01_C416_WAT_CONN_DETAILS.DWG LAYOUT: C416 WATER CONNECTION DETAILS



TYPICAL HDPE CONCRETE PIPE ANCHOR

NOT TO SCALE



**SECTION A-A
CONCRETE BLOCK ANCHOR-BELOW GRADE**

PIPE ANCHOR DETAIL

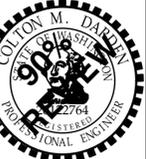
NOT TO SCALE

AKS DRAWING FILE: 12421-01_C4100_WAT_DETAILS.DWG | LAYOUT: C4100_WATER_DETAILS

WATER DETAILS

DESIGNED BY: CMD
 DRAWN BY: PCE
 MANAGED BY: MJH
 CHECKED BY: JBS

DATE: 9/15/2025



REVISIONS
 90% REVIEW SUBMITTAL

JOB NUMBER
 12421-01

SHEET
C4100

