

CITY OF KIRKLAND
WASHINGTON

CITY OF KIRKLAND

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT
FINAL DESIGN

COK JOB NO. 10-22-PW
BLUELINE JOB NO. 21-247
CIP PROJECT NO. WAC-1600000

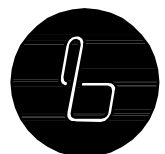
AUGUST 2022

CITY OFFICIALS

PENNY SWEET	MAYOR
JAY ARNOLD	DEPUTY MAYOR
NEAL BLACK	COUNCIL MEMBER
KELLI CURTIS	COUNCIL MEMBER
AMY FALCONE	COUNCIL MEMBER
TOBY NIXON	COUNCIL MEMBER
JON PASCAL	COUNCIL MEMBER
KURT TRIPLETT	CITY MANAGER
JULIE THUY UNDERWOOD	PUBLIC WORKS DIRECTOR
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INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	CV-01 COVER SHEET
2	GN-01 GENERAL NOTES & LEGEND
3	GN-02 GENERAL NOTES
4	GN-03 KEY MAP & SURVEY CONTROL
5	EC-01 EXISTING CONDITIONS & TESC PLAN
6	EC-02 EXISTING CONDITIONS & TESC PLAN
7	EC-03 EXISTING CONDITIONS & TESC PLAN
8	EC-04 EXISTING CONDITIONS & TESC PLAN
9	EC-05 EXISTING CONDITIONS & TESC PLAN
10	WA-01 WATER PLAN
11	WA-02 WATER PLAN
12	WA-03 WATER PLAN
13	WA-04 WATER PLAN
14	WA-05 WATER PLAN
15	WA-06 WATER PLAN
16	WA-07 WATER PLAN
17	WA-08 WATER PLAN
18	WA-09 WATER PLAN
19	RR-01 ROAD RESTORATION PLAN
20	RR-02 ROAD RESTORATION PLAN
21	RR-03 ROAD RESTORATION PLAN
22	RR-04 ROAD RESTORATION PLAN
23	RR-05 ROAD RESTORATION PLAN
24	DT-01 STANDARD DETAILS
25	DT-02 STANDARD DETAILS
26	DT-03 STANDARD DETAILS

WATER NOTES

1.

A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
2.

ALL WATER MAIN WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CURRENT AWWA, WSDOT, AND APWA STANDARD SPECIFICATIONS, AS AMENDED BY THE CITY OF KIRKLAND. ALL MATERIAL UTILIZED SHALL BE NEW, NO PARTS SHALL BE REUSED. ANY PART REMOVED FROM THE SYSTEM FOR ANY REASON MAY NOT BE REUSED AND SHALL BE REPLACED WITH A NEW PART. (E.G. A ROMAC WITH A BAD GASKET MUST BE REPLACED WITH AN ENTIRELY NEW ROMAC ASSEMBLY).
3.

THE WATER MAIN SHALL BE CLASS 52 DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51-86 OR THE MOST RECENT REVISION. THE PIPE SHALL BE 1/16" CEMENT LINED AND SEALED IN ACCORDANCE WITH ANSI/AWWA C104/A21.4-90. THE CAST IRON OR DUCTILE IRON PIPE FITTINGS SHALL BE CLASS 250 AS PER ANSI/AWWA C110/A21.10-82. PIPE BEDDING SHALL BE COMPACTED TO 95 PERCENT OF ITS MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. UNLESS IT IS NECESSARY TO CLEAR EXISTING UTILITIES, THE WATER MAIN SHOULD BE INSTALLED WITH UNDER 60" OF COVER BUT NEVER LESS THAN 36" OF COVER TO THE TOP OF THE PIPE. ANY DEVIATIONS FROM THIS SHALL BE APPROVED BY THE CITY OF KIRKLAND APPROVING AUTHORITY PRIOR TO START OF CONSTRUCTION ACTIVITIES.
4.

CONCRETE BLOCKING FOR WATER MAINS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH AWWA AND CITY OF KIRKLAND SPECIFICATIONS AND SHALL BE INSTALLED AT ALL VERTICAL AND HORIZONTAL BENDS AND FITTINGS. PRIOR TO BLOCKING, THE FITTINGS SHALL BE WRAPPED WITH VISQUEEN.
5.

ALL CONNECTIONS TO EXISTING MAINS AND ALL TESTING AND DISINFECTION SHALL BE PERFORMED UNDER THE SUPERVISION OF THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS INSPECTOR.
6.

APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
7.

ALL CONTRACTORS WORKING WITH AC PIPE MUST BE STATE-CERTIFIED. THE CONTRACTOR SHALL PROVIDE PROTECTIVE CLOTHING AND EQUIPMENT (COVERALLS, GLOVES, BOOTS, HEAD COVERING, GOGGLES, RESPIRATORS, ETC.) TO CREWS WORKING WITH ASBESTOS CEMENT PIPE IN ORDER TO ASSURE THE WORKER'S EXPOSURE TO ASBESTOS MATERIAL IS AT OR BELOW THE LIMITS PRESCRIBED IN WAC 296-62-07705.
8.

AN APPROVED COPY OF THE WATER PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
9.

A 5' MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER AND TELEPHONE FACILITIES, UNLESS OTHERWISE APPROVED BY THE CITY OF KIRKLAND.
10.

FOR WATER MAIN AND SEWER MAIN SEPARATION REQUIREMENTS, SEE ITEM VIII.C OF THE SANITARY SEWER – DESIGN CRITERIA SECTION AND DETAIL W.01.
11.

PRESSURE AND PURITY TESTING SHALL BE DONE IN THE PRESENCE OF, AND UNDER THE SUPERVISION OF, A CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS INSPECTOR. THE CONTRACTOR SHALL PROVIDE ALL PLUGS AND TEMPORARY BLOWOUT ASSEMBLIES FOR PRESSURE TESTING AND DISINFECTION PRIOR TO FINAL TIE-IN. NO CONNECTION SHALL BE MADE BETWEEN THE NEW MAIN AND THE EXISTING MAINS UNTIL THE NEW PIPING HAS BEEN DISINFECTED, FLUSHED, AND PASSED BOTH PRESSURE AND PURITY TESTING. TEMPORARY PLUGS AND BLOCKING SHALL BE INSTALLED AT THE POINTS OF CONNECTION TO THE EXISTING SYSTEM FOR CONSTRUCTION OF NEW WATER MAIN, THE SERVICES, HYDRANTS ETC., WILL BE TESTED WITH THE MAIN PRESSURE TESTING WILL REQUIRE A MINIMUM OF 200 PSI FOR 15 MINUTES WITH NO PRESSURE DROP. UPON SATISFACTORY COMPLETION OF THE PRESSURE TEST, THE LINE SHALL BE DISINFECTED, FLUSHED, AND THEN A SAMPLE SHALL BE TAKEN FOR PURITY TESTING BY THE PUBLIC WORKS INSPECTOR.
12.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF KIRKLAND INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL WATER MAIN CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING AS-BUILT DRAWINGS OF ALL CONSTRUCTION NOT INSTALLED ACCORDING TO THE APPROVED PLANS. (THIS DOES NOT GIVE APPROVAL FOR AS-BUILT CONSTRUCTION.)
13.

THE CONTRACTOR SHALL CONTACT THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS FIVE (5) DAYS PRIOR TO ANY WORK REQUIRING THE SHUTDOWN OF EXISTING WATER MAINS. THE CONTRACTOR IS REQUIRED TO GIVE TWO (2) WORKING DAYS NOTICE TO ALL CUSTOMERS AFFECTED BY A WATER MAIN SHUTDOWN (NOTICES AND MAPS FOR THE SHUTDOWN WILL BE PROVIDED BY THE WATER DIVISION). SHUTDOWNS SHALL BE SCHEDULED FOR MONDAYS, TUESDAYS, WEDNESDAYS, AND THURSDAYS BETWEEN 8 AM AND 2 PM. SHUTDOWNS AFFECTING INSTITUTIONS SHALL BE SCHEDULED AT NIGHT. ONLY WATER DIVISION PERSONNEL OR A DESIGNATE OF THE WATER DIVISION MANAGER MAY OPERATE VALVES, AND/OR HYDRANTS, BLOW-OFFS, ETC. FOR FILLS, SHUT DOWNS, FLUSHING, OR RECHARGING OF WATER LINES. TWO (2) WORKING DAYS NOTICE TO THE WATER DIVISION IS REQUIRED TO SCHEDULE FILLS.
14.

THERE SHALL BE NO WATER MAIN CONSTRUCTION ON A SATURDAY, SUNDAY, OR HOLIDAYS OBSERVED BY THE CITY OF KIRKLAND.
15.

SHOULD THE WATER MAIN WORK NECESSITATE THE CLOSING OF CERTAIN GATE VALVES WITHIN THE EXISTING SYSTEM, THE CITY OF KIRKLAND MAINTENANCE DEPARTMENT SHALL BE RESPONSIBLE FOR THE OPERATION OF SUCH VALVES.
16.

THE FIRE FLOW SYSTEM SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO ABOVE-GROUND COMBUSTIBLE CONSTRUCTION.
17.

ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
18.

MEGA-LUGS (OR SIMILAR PRODUCT) SHALL BE REQUIRED ON ALL FITTINGS AND VALVES FOR TIE-INS, OR BUILDOUTS FOR TIE-INS PRIOR TO A FINAL CONNECTION TO THE EXISTING WATER MAIN. APPROPRIATE CONCRETE BLOCKING IS ALSO REQUIRED IN ADDITION TO MEGA-LUGS.
19.

FOR THE DURATION OF ANY WATER MAIN INSTALLATION PROJECT, ALL EXISTING AND NEWLY INSTALLED VALVE CANS ARE TO REMAIN ACCESSIBLE TO WATER DIVISION PERSONNEL.
20.

WHEN IT BECOMES NECESSARY TO RE-PLUMB THE CUSTOMER'S SIDE OF AN EXISTING WATER METER AS THE RESULT OF THE RELOCATION OF THE EXISTING SERVICE OR TO COMPLY WITH OTHER CITY OF KIRKLAND PUBLIC WORKS SPECIFICATIONS, THE CUSTOMER'S SIDE SHALL BE RECONNECTED WITH THE APPROPRIATE PLUMBING MATERIALS (AND RELATED FITTINGS) SUCH AS BRASS, COPPER, POLYETHYLENE WITH A 200 P.S.I. RATING, OR ALL PARTS, PIPE, AND/OR FITTINGS SHALL BE NEW FROM THE BACK SIDE OF THE METER TO THE CONNECTION POINT OF THE CUSTOMER'S SERVICE.
21.

NO TIE-IN WILL BE ALLOWED INTO THE EXISTING TAILPIECE ON THE CUSTOMER'S SIDE OF THE METER. IF THE EXISTING METER DOES NOT HAVE A CHECK VALVE INSTALLED ON THE BACK SIDE OF THE METER (CUSTOMER'S SIDE), A CHECK VALVE CANNOT BE INSTALLED WHEN DOING THE TIE-IN.
22.

IF A FITTING, EITHER DURING INSTALLATION OR AFTER, IS FOUND TO BE DEFECTIVE IN ANY WAY AS DETERMINED BY THE CITY, THE CONTRACTOR SHALL REPLACE THE ENTIRE FITTING AND NOT JUST THE DEFECTIVE COMPONENT.
23.

BEGINNING JANUARY 1, 2014, ALL PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND PLUMBING FIXTURES USED FOR POTABLE WATER, MUST HAVE A MAXIMUM LEAD CONTENT NOT TO EXCEED 0.25% PER "LEAD FREE" STANDARDS AS DEFINED IN SECTION 9 OF NSF/ANSI STANDARD 61.

GENERAL NOTES

1.

PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING WITH THE CITY OF KIRKLAND TO BE ATTENDED BY ALL MAJOR CONTRACTORS AND REPRESENTATIVES OF INVOLVED UTILITIES. SEE SECTION 1-07.17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.
2.

AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REQUEST A PUNCH LIST FROM THE CITY'S INSPECTOR PER SECTION 1-05.11 OF THE SPECIFICATIONS. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.
3.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, CURRENT EDITION AT TIME OF BID, (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, UNLESS SUPERSEDED OR AMENDED BY THE PROJECT SPECIAL PROVISIONS OR CITY OF KIRKLAND PRE-APPROVED PLANS (CURRENT EDITION) (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4.

A COPY OF THESE APPROVED PLANS, SPECIFICATIONS, AND DETAILS, AND THE WSDOT STANDARD SPECIFICATIONS SHALL BE ONSITE DURING ALL CONSTRUCTION.
5.

THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND BEFORE WORK COMMENCES. CALL 8-1-1 AT LEAST 2 WORKING DAYS PRIOR TO ANY CONSTRUCTION.
6.

CONTRACTOR SHALL COORDINATE CONSTRUCTION W/ PUGET SOUND ENERGY (PSE) PRIOR TO EXCAVATION NEAR GAS MAINS. THE PSE REPRESENTATIVE SHALL (AT A MINIMUM) BE ONSITE FOR CONSTRUCTION AROUND 4" DIAMETER AND LARGER AND/OR HIGH PRESSURE GAS MAINS.
7.

THE CONTRACTOR SHALL PREPARE A SITE SPECIFIC TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MUTCD AND SHALL SUBMIT TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING. NO WORK SHALL BEGIN PRIOR TO APPROVAL OF THE TRAFFIC CONTROL PLAN.

WATER - CONSTRUCTION CRITERIA

1.

UNLESS OTHERWISE SPECIFIED, THE MINIMUM NEW WATER SERVICE SIZE SHALL BE 1" POLY WITH A 1" ANGLE STOP. CRIMPING WILL NOT BE ALLOWED ON ANY NEW OR EXISTING SERVICE.
2.

THIS NOTE INTENTIONALLY DELETED.
3.

THIS NOTE INTENTIONALLY DELETED.
4.

THIS NOTE INTENTIONALLY DELETED.
5.

SIZE-ON-SIZE WET TAPS ARE ALLOWED AS LONG AS THE EXISTING PIPE IS OF AN ACCEPTABLE CONDITION. IF IT IS DETERMINED BY CITY STAFF THAT THE PIPE CANNOT ACCEPT A WET TAP, THE NEW VALVE WILL NEED TO BE CUT IN.
6.

NEW MAIN INSTALLATIONS: ALL NEW WATER MAINS SHALL BE LAID STARTING AT THE EXISTING MAIN. ALL VALVES SHALL BE CUT IN OR WET TAPPED FIRST, (DEPENDING ON THE REQUIREMENTS FOR THE NEW INSTALLATION) ALLOWING FOR A GAP FROM THE VALVE, (NO LESS THAN 3' LONG AND NO MORE THAN 10' LONG) WITH TEMPORARY BLOCKING PER CK-W.10. TYPICALLY A THREE-WAY VALVE CLUSTER IS REQUIRED AT THE CUT-IN TEE. DO NOT USE A WET TAP VALVE WITHOUT PRIOR AUTHORIZATION BY PUBLIC WORKS (DISCUSS WITH THE DEVELOPMENT ENGINEER). THE NEW MAIN SHALL BE LAID STARTING AT THIS POINT. AFTER INSPECTION OF THE NEW MAIN AND APPURTENANCES (SERVICES, HYDRANTS, AIR/VACS AND BLOW-OFFS, ETC.), THE MAIN SHALL BE FILLED PER CK-W.10, PRESSURE TESTED, FLUSHED AND A "SATISFACTORY" PURITY SAMPLE TAKEN PRIOR TO TIE-IN. THE CONTRACTOR WILL BE REQUIRED TO RENT A 2" HYDRANT METER FROM THE CITY PER CK-W.10 FOR FILLING AND FLUSHING OF THE NEW MAIN.
7.

THIS NOTE INTENTIONALLY DELETED.
8.

HYDRANTS INSTALLED WITH NEW MAIN EXTENSIONS SHALL BE TESTED WITH THE FOOT VALVE OPEN AND THE MAIN VALVE (HYDRANT) CLOSED. HYDRANT WILL THEN BE INSPECTED AND OPERATED DURING FLUSH.
9.

HYDRANTS INSTALLED ON EXISTING MAINS SHALL BE SWABBED WITH CHLORINE, FLUSHED AND PRESSURE TESTED WITH THE FOOT VALVE CLOSED AND THE MAIN VALVE (HYDRANT) OPEN.
10.

ALL NEW BUILDINGS SHALL HAVE A WATER SERVICE THAT MEETS THE CURRENT STANDARDS. ANY EXISTING SERVICES THAT NEED TO BE ABANDONED BECAUSE OF SIZE, MATERIAL, LOCATION OR OTHER CONDITIONS, MUST BE CUT AND CAPPED AT THE MAIN PER CURRENT PUBLIC WORK'S SPECIFICATIONS. IF IT IS DETERMINED THAT THE EXISTING CORPORATION STOP IS A HAYES OR B-MACHINE, THE CORPORATION STOP SHALL BE REMOVED FROM THE MAIN AND A REPAIR BAND INSTALLED (SHALL USE ROMAC SS-1 (OR EQUAL) 12" LONG REPAIR BAND IF REQUIRED). NOTE: GALVANIZED, 'BLUE-POLY', COPPER AND PVC ARE THE MOST COMMON TYPES OF EXISTING SERVICES THAT ARE FOUND IN THE CITY AND REQUIRED TO BE UPGRADED.
11.

WATER SERVICES AND METERS SHALL NOT BE LOCATED IN DRIVEWAYS. IF AN EXISTING WATER METER IS LOCATED IN AN EXISTING DRIVEWAY AND THE SERVICE NEEDS TO BE UPGRADED, OR THE DRIVEWAY IS REMOVED AND REPLACED, THE EXISTING WATER SERVICE SHALL BE ABANDONED AT THE WATER MAIN AND A NEW WATER SERVICE SHALL BE INSTALLED OUTSIDE OF THE DRIVEWAY.
12.

IF AN EXISTING WATER VALVE NEEDS TO BE ABANDONED, A SHUT DOWN SHALL BE SCHEDULED WITH THE WATER DEPARTMENT. THE VALVE MUST BE REMOVED AND A BLIND FLANGE INSTALLED ON THE TEE.
13.

WHEN AN AC WATER MAIN IS TUNNELED UNDER TO INSTALL ANOTHER UTILITY, THE SECTION OF THE AC MAIN WITHIN THE TRENCH AND FOR 5 FEET ON EITHER SIDE OF THE TRENCH SHALL BE REPLACED WITH CLASS 52 DI PIPE. IT MAY REQUIRE ONE FULL STICK OF PIPE OR MORE TO INCLUDE REPLACING ANY EXPOSED COUPLINGS AND MILLS. ALL CONNECTIONS SHALL BE MADE WITH ROMAC COUPLINGS.
14.

THE CONTRACTOR SHALL COORDINATE SHUT DOWNS, FILLS AND FLUSHES WITH THE CITY OF KIRKLAND INSPECTOR WHO WILL THEN COORDINATE DATES AND TIMES WITH THE WATER DIVISION. ALL VALVES, INCLUDING HYDRANTS, BLOW-OFFS, ETC., SHALL BE OPERATED BY CITY OF KIRKLAND WATER DEPARTMENT PERSONNEL. A MINIMUM OF TWO (2) WORKING DAYS NOTICE TO ALL AFFECTED PROPERTY OWNERS IS REQUIRED BEFORE A SHUT DOWN CAN OCCUR. A MINIMUM OF TWO (2) WORKING DAYS NOTICE IS REQUIRED TO SCHEDULE FILLS. NOTE: SCHEDULING OF SHUT DOWNS WILL NOT BE ALLOWED TO OCCUR FOR DAYS IMMEDIATELY FOLLOWING HOLIDAYS OBSERVED BY THE CITY OF KIRKLAND.
15.

IN GENERAL, FLUSHES ARE SCHEDULED FOR THE NEXT WORKING DAY AFTER THE NEW WATER SYSTEM IS FILLED. IT IS ASSUMED THAT THE PRESSURE TEST WILL ALSO BE PERFORMED ON THE DAY OF THE FILL. TO ADHERE TO THIS SCHEDULE, THE WATER DIVISION MUST BE NOTIFIED BY THE CITY INSPECTOR OR PROJECT MANAGER BY 1PM ON THE DAY OF THE FILL CONFIRMING THAT THE PRESSURE TEST WAS SUCCESSFUL IN ORDER TO RECEIVE THE FLUSH ON THE FOLLOWING WORKING DAY.



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LEGEND

EXISTING FEATURES

	ADJACENT PLAT/PARCEL LINE		FIRE HYDRANT		FIBER OPTICS MANHOLE
	TRENCH		WATER METER		TV RISER
	CENTERLINE		GATE VALVE		TELECOMM VAULT
	SURFACE FEATURES		AIR/VAC RELEASE VALVE		TELECOMM RISER
	EDGE OF LANDSCAPE		BLOW OFF		TELECOMM JUNCTION BOX
	10' CONTOURS		IRRIGATION VALVE		MAIL BOX
	2' CONTOURS		GUY ANCHOR		SIGN
	SD - STORM DRAIN PIPE		POLE LIGHT		CONIFEROUS TREE
	SS - SEWER MAIN		POWER VAULT		DECIDUOUS TREE
	W - WATER MAIN		TRANSFORMER		SHRUB
	OP - AERIAL POWER LINE		JUNCTION BOX		ASPHALT
	P - BURIED POWER LINE		POWER POLE		CONCRETE
	G - GAS MAIN		POWER POLE W/ TRANSFORMER		GRAVEL
	C - BURIED CABLE		POWER POLE W/ UNDERGROUND CONDUIT		
	T - BURIED TELECOMM LINE		POWER POLE W/ TRANSFORMER & UNDERGROUND CONDUIT		
	FO - BURIED FIBER OPTIC CABLE		STREET LIGHT W/ TRANSFORMER & UNDERGROUND CONDUIT		
	FENCE		GAS VALVE		
	DITCH OR SWALE		GAS METER		
	RETAINING WALL		POWER METER		
	ROCKERY				
	CATCH BASIN, TYPE I				
	CATCH BASIN, TYPE II				
	SD PIPE FLOW				
	YARD DRAIN				
	STORM CULVERT END				
	SEWER MANHOLE				
	SEWER CLEANOUT				
	SS PIPE FLOW				

LEGEND

PROPOSED SURFACE FEATURES

	FLOW & CURB		HMA PATCH
	CENTER LINE		CEMENT CONCRETE SIDEWALK
	SAWCUT		

PROPOSED WATER

	WATER MAIN		TEE W/ CONC BLOCKING
	WATER METER		BEND W/ CONC BLOCKING
	FIRE HYDRANT		REDUCER
	AIR/VAC RELEASE VALVE		SLEEVE
	GATE VALVE		COUPLING
			CROSS

EXISTING UTILITY NOTE

EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

BLUELINE JOB #21-247



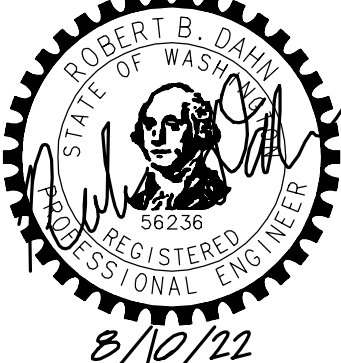
CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

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NO. DATE BY APPR. REVISION



APPROVED BY:

DATE:

KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT

GENERAL NOTES & LEGEND

SHEET:

2 OF 26

SCALE:

AS SHOWN

FILENAME:

GN-01

EROSION/SEDIMENTATION CONTROL - PLAN NOTES

1. THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS: A. CONDUCT PRE-CONSTRUCTION MEETING. B. FLAG OR FENCE CLEARING LIMITS. C. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR. D. INSTALL CATCH BASIN PROTECTION DOWNSTREAM AND AS DETERMINED BY THE CITY INSPECTOR. E. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S). F. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.). G. CONSTRUCT SEDIMENT PONDS AND TRAPS. H. GRADE AND STABILIZE CONSTRUCTION ROADS. I. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. J. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. K. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS. L. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT. M. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS. N. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS. O. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS CLEAN AND FREE OF CONTAMINANTS AT ALL TIMES AND FOR PREVENTING AN ILLICIT DISCHARGE (KMC 15.52) INTO THE MUNICIPAL STORM DRAIN SYSTEM. IF YOUR CONSTRUCTION PROJECT CAUSES AN ILLICIT DISCHARGE TO THE MUNICIPAL STORM DRAIN SYSTEM, THE CITY OF KIRKLAND STORM MAINTENANCE DIVISION WILL BE CALLED TO CLEAN THE PUBLIC STORM SYSTEM, AND OTHER AFFECTED PUBLIC INFRASTRUCTURE. THE CONTRACTOR(S), PROPERTY OWNER, AND ANY OTHER RESPONSIBLE PARTY MAY BE CHARGED ALL COSTS ASSOCIATED WITH THE CLEAN-UP AND MAY ALSO BE ASSESSED A FINE (KMC 1.12.200). THE MINIMUM PENALTY IS \$500. A FINE FOR REPEAT VIOLATION SHALL BE DETERMINED BY MULTIPLYING THE SURFACE WATER FINE BY THE NUMBER OF VIOLATIONS. A FINE MAY BE REDUCED OR WAIVED FOR PERSONS WHO IMMEDIATELY SELF-REPORT VIOLATION TO THE CITY AT 425-587-3900. A FINAL INSPECTION OF YOUR PROJECT WILL NOT BE GRANTED UNTIL ALL COSTS ASSOCIATED WITH THE CLEAN-UP, AND PENALTIES, ARE PAID TO THE CITY OF KIRKLAND.
3. CONSTRUCTION DEWATERING DISCHARGES SHALL ALWAYS MEET WATER QUALITY GUIDELINES LISTED IN COK POLICY E-1. SPECIFICALLY, DISCHARGES TO THE PUBLIC STORMWATER DRAINAGE SYSTEM MUST BE BELOW 25NTU, AND NOT CONSIDERED AN ILLICIT DISCHARGE (PER KMC 15.52.090). TEMPORARY DISCHARGES TO SANITARY SEWER REQUIRE PRIOR AUTHORIZATION AND PERMIT FROM KING COUNTY INDUSTRIAL WASTE PROGRAM (206-263-3000) AND NOTIFICATION TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR.
4. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.
5. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
6. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
7. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
8. A COPY OF THE APPROVED ESC PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
9. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY OF KIRKLAND INSPECTOR.
11. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
12. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT, AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.
13. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
14. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
15. ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES: •MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING. •OCTOBER 1 TO APRIL 30 -SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING. •STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.
16. THE LONG-TERM USE OF PLASTIC COVERING ON A SITE SHALL BE LIMITED TO ONE WET SEASON (OCTOBER 1 TO APRIL 30). AFTER THAT, THE SITE WILL BE REQUIRED TO HYDROSEED OR INSTALL OTHER TESC METHODS AS APPROVED BY THE PUBLIC WORKS DEPARTMENT.
17. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
18. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2".
19. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 6' HIGH TEMPORARY CONSTRUCTION FENCE (CHAIN LINK WITH PIER BLOCKS) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL THE PLANNING DEPARTMENT AUTHORIZES REMOVAL.
20. CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT. HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE. IF APPROVED BY THE CITY, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS.
21. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
22. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND 1"-2" ROCK/10%-20% PASSING. RECYCLED CONCRETE SHALL NOT BE USED FOR EROSION PROTECTION, INCLUDING CONSTRUCTION ENTRANCE OR TEMPORARY STABILIZATION ELSEWHERE ON THE SITE.
23. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
24. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
25. AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED IMMEDIATELY FOLLOWING REMOVAL OF EROSION CONTROL BMPS. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
26. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.
27. ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM HEIGHT OF 3'.
28. THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF KIRKLAND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.

29. PRIOR TO THE OCTOBER 1 OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
30. ANY AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT (INCLUDING A 5-FOOT BUFFER) MUST BE SURROUNDED BY SILT FENCE PRIOR TO CONSTRUCTION AND UNTIL FINAL STABILIZATION OF THE SITE TO PREVENT SOIL COMPACTION AND SILTATION BY CONSTRUCTION ACTIVITIES.
31. IF THE TEMPORARY CONSTRUCTION ENTRANCE OR ANY OTHER AREA WITH HEAVY VEHICLE LOADING IS LOCATED IN THE SAME AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT, 6" OF SEDIMENT BELOW THE GRAVEL SHALL BE REMOVED PRIOR TO INSTALLATION OF THE INFILTRATION FACILITY OR PERVIOUS PAVEMENT (TO REMOVE FINES ACCUMULATED DURING CONSTRUCTION).
32. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE ADEQUATE PROTECTION FROM SEDIMENT. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "STORM DRAIN PROTECTION INSERT" OR EQUIVALENT.
33. IF A SEDIMENT POND IS NOT PROPOSED, A BAKER TANK OR OTHER TEMPORARY GROUND AND/OR SURFACE WATER STORAGE TANK MAY BE REQUIRED DURING CONSTRUCTION, DEPENDING ON WEATHER CONDITIONS.
34. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
35. RECYCLED CONCRETE SHALL NOT BE STOCKPILED ON SITE, UNLESS FULLY COVERED WITH NO POTENTIAL FOR RELEASE OF RUNOFF.

ROADWAY - PLAN NOTES

1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
2. ALL ROADWAY WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CURRENT APWA AND CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.
3. THIS NOTE INTENTIONALLY DELETED.
4. A COPY OF THE APPROVED ROADWAY PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. DENSITY TEST REPORTS WILL BE REQUIRED FOR ALL PUBLIC ROADWAYS AND ALL PRIVATE ROADWAYS WITHIN PLATS. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
6. ALL COMMERCIAL AND RESIDENTIAL DRIVEWAYS MUST CONFORM TO THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS DRIVEWAY POLICY.
7. ALL CONCRETE FOR SIDEWALKS AND CURB AND GUTTER MUST BE 4,000 PSI MINIMUM. (5-3/4 SACK MIX.)
8. IN THE CASE OF NEW ROAD CONSTRUCTION OR RECONSTRUCTION REQUIRING MAILBOXES TO BE MOVED OR REARRANGED, THE DEVELOPER/CONTRACTOR SHALL COORDINATE WITH THE U.S. POSTAL SERVICE FOR THE NEW LOCATION OF THE MAILBOX STRUCTURE.
9. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET THE CURRENT CITY OF KIRKLAND STANDARDS.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. THEREFORE, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK IN THE RIGHT-OF-WAY. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) OR AS MODIFIED BY THE TRAFFIC ENGINEER.
11. WHERE A SIDEWALK IS TO BE CONSTRUCTED ABOVE A SLOPE OR ADJACENT TO A ROCKERY OR RETAINING WALL WHERE THE LOWEST FINISHED ELEVATION OF THE SLOPE, ROCKERY, OR RETAINING WALL IS TO BE THIRTY INCHES (30") OR MORE BELOW THE FINISHED ELEVATION OF THE SIDEWALK, A SAFETY RAILING SHALL BE REQUIRED WHEN: (A) THE PLANE OF THE WALL FACE IS LESS THAN 4' IN HORIZONTAL DISTANCE FROM THE OUTSIDE EDGE OF THE SIDEWALK; (B) THE SLOPES ADJACENT TO THE SIDEWALK AVERAGE GREATER THAN TWO TO ONE.
12. THE MAXIMUM GRADE FOR PRIVATE ROADWAYS SHALL BE TWENTY PERCENT (20%), OR FIFTEEN PERCENT (15%) IF USED FOR FIRE ACCESS. FOR PUBLIC ROADWAYS, THE MAXIMUM GRADE SHALL BE FIFTEEN PERCENT (15%).
13. DEAD-END STREETS SHALL BE APPROPRIATELY SIGNED AND BARRICADED. SEE MOST CURRENT EDITION OF THE MUTCD.
14. SIDEWALK AND CURB AND GUTTER CANNOT BE POURED MONOLITHICALLY. THERE MUST BE A COLD JOINT OR FULL-DEPTH EXPANSION JOINT BETWEEN THEM.
15. MEASURES SHALL BE TAKEN BY THE DEVELOPER TO PROVIDE GROUND COVER IN AREAS WITHIN THE RIGHT-OF-WAY WHICH HAVE BEEN STRIPPED OF NATURAL VEGETATION OR HAVE A POTENTIAL FOR EROSION.
16. THE CONTRACTOR SHALL COORDINATE WITH PUGET POWER FOR THE DESIGN AND INSTALLATION OF STREET LIGHTS ON ALL NEWLY-CREATED PUBLIC ROADWAYS AND EXISTING ROADWAYS.
17. WHEN AN EXISTING ROADWAY IS TO RECEIVE A HALF-STREET OVERLAY, THE EXISTING ROADWAY MUST BE COLD PLANED AT THE EDGE OF THE GUTTER AND CENTERLINE. WHEN THE EXISTING ROADWAY IS TO RECEIVE A FULL-STREET OVERLAY, IT MUST BE COLD PLANED AT THE EDGE OF BOTH GUTTERS. SEE CITY OF KIRKLAND STANDARD DETAIL NO. R.13.
18. ALL NEW SIGNS REQUIRED IN THE PUBLIC RIGHT-OF-WAY MUST BE PURCHASED FROM, AND INSTALLED BY, THE CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT.
19. WHEN INSTALLING NEW SIDEWALK, THE AREA BEHIND THE SIDEWALK MUST BE GRADED SO THAT THE YARD DRAINAGE DOES NOT DRAIN OVER THE SIDEWALK.
20. ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO FINAL INSPECTION.
21. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PUBLIC STREETS FREE FROM MUD AND DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL BE PREPARED TO USE POWER SWEEPERS OR OTHER PIECES OF EQUIPMENT NECESSARY TO KEEP THE ROADWAYS CLEAN.
22. BACKFILL IN ALL STREET CUTS ON ARTERIALS WILL BE CONTROL DENSITY FILL (CDF). CONTRACTOR MUST PROVIDE STEEL PLATING NECESSARY TO ALLOW THE CDF TO CURE.
23. WHEN CONSTRUCTING NEW CURB AND GUTTER WHICH DOES NOT ALIGN WITH THE EXISTING EDGE OF PAVEMENT, THE ROADWAY MUST BE TAPERED FROM THE ENDS OF THE NEW CURB AND GUTTER TO MATCH THE EXISTING PAVEMENT. THE ENTRY TAPER INTO THE NEW IMPROVEMENTS SHALL BE 5:1, AND LEAVING THE NEW IMPROVEMENTS SHALL BE 10:1.
24. WHEN AN EXISTING ROADWAY IS TO BE WIDENED, THE EXISTING PAVEMENT MUST BE SAW CUT AT LEAST ONE FOOT FROM THE EDGE TO PROVIDE A PROPER MATCH BETWEEN NEW AND EXISTING ASPHALT. HOWEVER, WHEN THE EXISTING PAVEMENT CONTAINS ALLIGATORED AREAS, THOSE AREAS MUST BE REMOVED PRIOR TO WIDENING. ALL SAW CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE RIGHT-OF-WAY CENTERLINE.
25. ALL ROCKERIES MUST BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT GUIDELINES OF THE ASSOCIATION.

PSE NOTE

IF SERVICE IS DAMAGED DURING CONSTRUCTION CONTACT PSE:

GAS SERVICES:
(425) 882-4690

POWER SERVICES:
(425) 882-4449

EXISTING UTILITY NOTE

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BLUELINE JOB #21-247



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

DATE:

KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT

GENERAL NOTES

SHEET:

3 OF 26

SCALE:

AS SHOWN

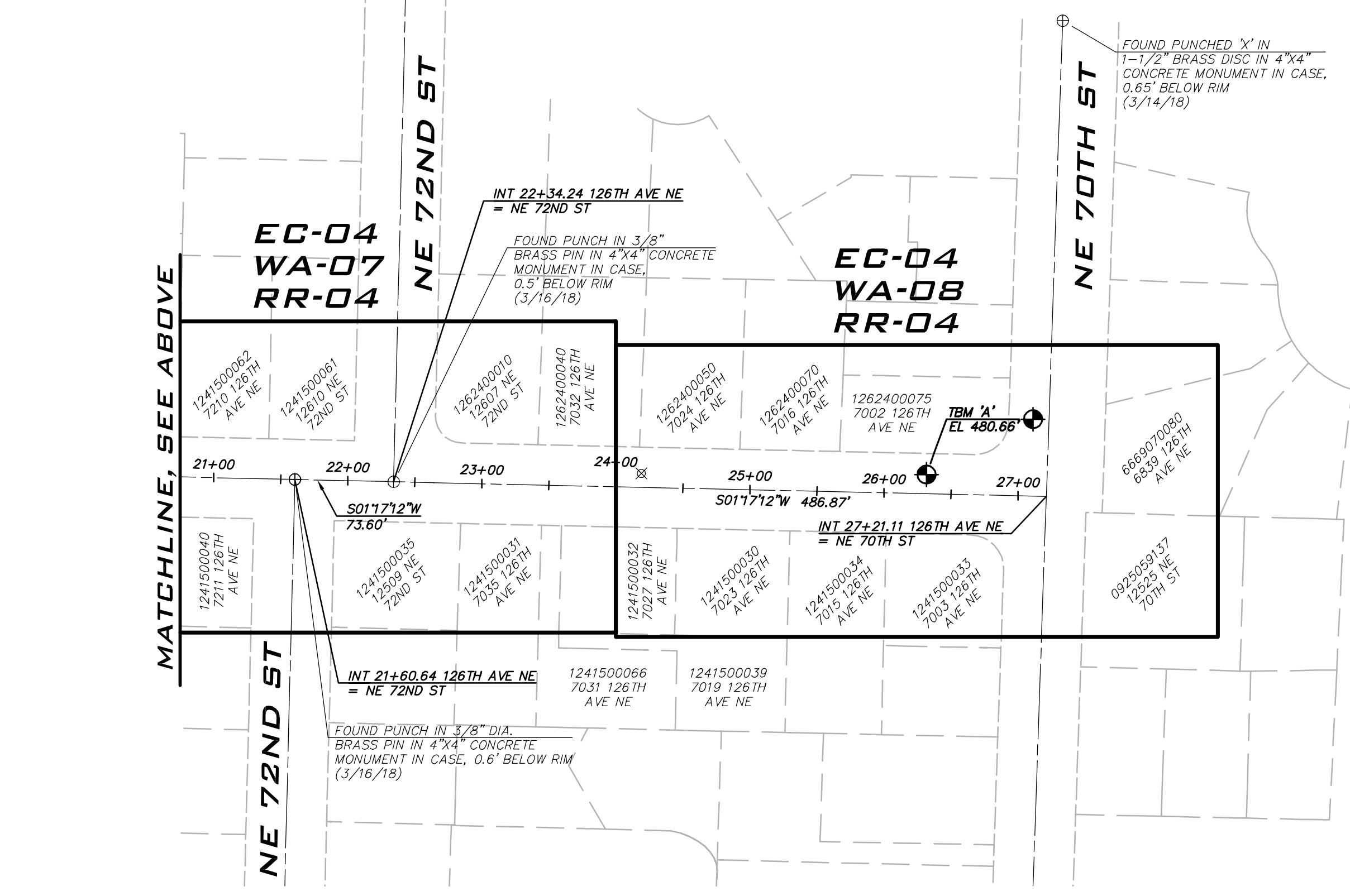
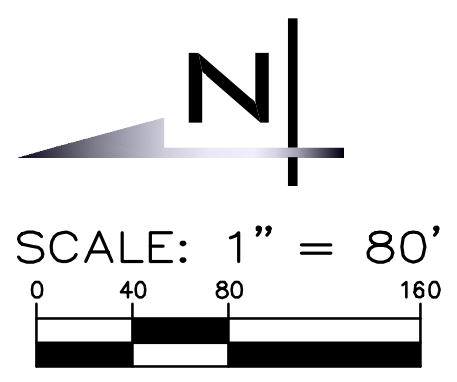
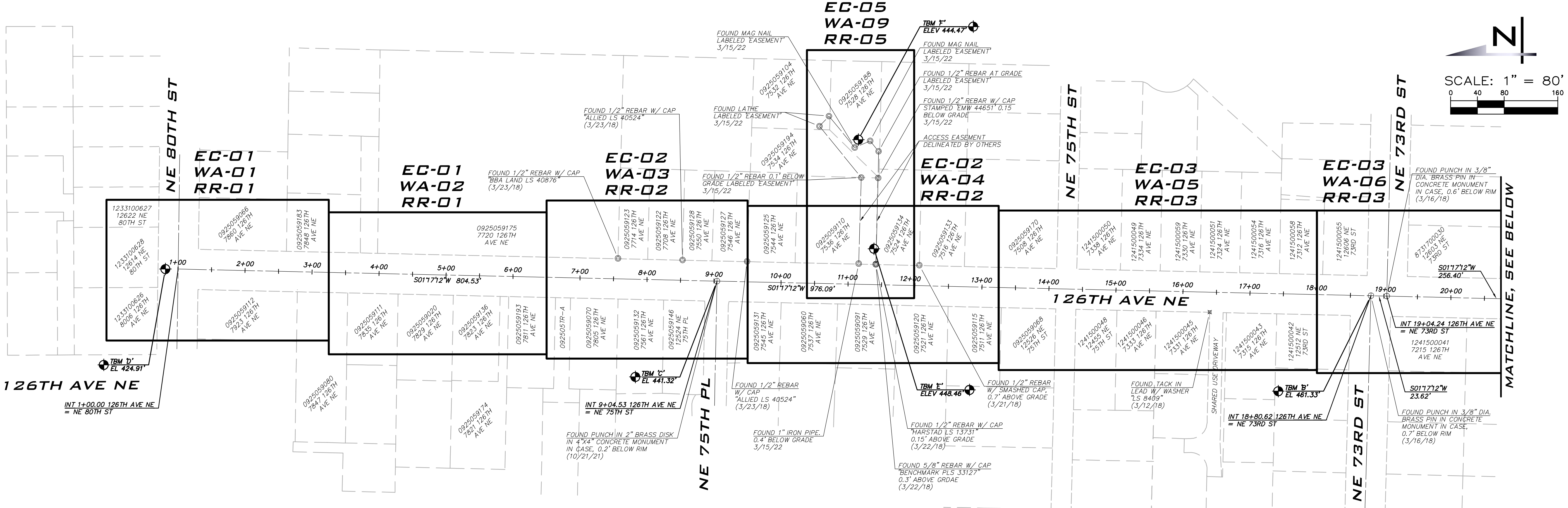
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BLUELINE

25 CENTRAL WAY, SUITE 400,
KIRKLAND, WA 98033
P: 425.216.4051 F: 425.216.4052
WWW.THEBLUELINEGROUP.COM



DATUM/BASIS OF BEARINGS

- BASIS OF BEARING:** NORTH 01°26'53" WEST BETWEEN CITY OF KIRKLANDS MONUMENTS 16 & 20
- HORIZONTAL DATUM:** NAD '83/'91 GPS HXGN SMARTNET
- VERTICAL DATUM:** NAVD '88 PER GPS HXGN SMARTNET AS VERIFIED TO CITY OF KIRKLAND CONTROL POINT 16
- ORIGINATING BENCHMARK:** CITY OF KIRKLAND CONTROL POINT 16
FOUND 3" DIA. BRASS DISK STAMPED 'SECTION 9 & 10' IN CONCRETE MONUMENT IN CASE, 1.4' BELOW RIM
ELEVATION: 466.284'
- TEMPORARY BENCHMARKS:**
- TBM 'A':** SET CHISELED SQUARE AT TOP CURB ON THE EAST SIDE OF 126TH AVE NE, ±23' SOUTH OF THE SOUTH EDGE CONCRETE DRIVEWAY FOR HOUSE NUMBER 7002.
ELEVATION: 480.66'
 - TBM 'B':** AT FOUND PUNCH IN 3/8" DIAMETER BRASS PIN IN CONCRETE MONUMENT IN CASE, 0.7' BELOW RIM, AT THE NORTHERLY INTERSECTION OF NE 73RD ST & 126TH AVE NE. ±31' NORTHEAST OF A UTILITY POLE WITH LIGHT.
ELEVATION: 461.33'
 - TBM 'C':** AT FOUND PUNCH IN 2" BRASS DISK IN 4"x4" CONCRETE MONUMENT IN CASE, 0.2' BELOW RIM, AT THE INTERSECTION OF NE 75TH PL & 126TH AVE NE.
ELEVATION: 441.32'
 - TBM 'D':** AT REBAR WITH RED 'AXIS' CONTROL CAP SET ON THE NORTHERLY SIDE OF NE 80TH ST, 2.0' EAST OF THE EAST WING DRIVEWAY SKIRT FOR HOUSE NO. 12614.
ELEVATION: 424.91'
 - TBM 'E':** SET REBAR W/ AXIS CONTROL CAP IN PLANTER AREA AT S EDGE OF ACCESS ROAD, 5.0' NW OF 4" CHERRY TREE
ELEVATION: 448.46'
 - TBM 'F':** SET REBAR W/ AXIS CONTROL CAP IN LAWN AT HOUSE NO. 7528, 12.5' N OF TIMBER BORDER WALL WITH 72" CEDAR.
ELEVATION: 461.33'

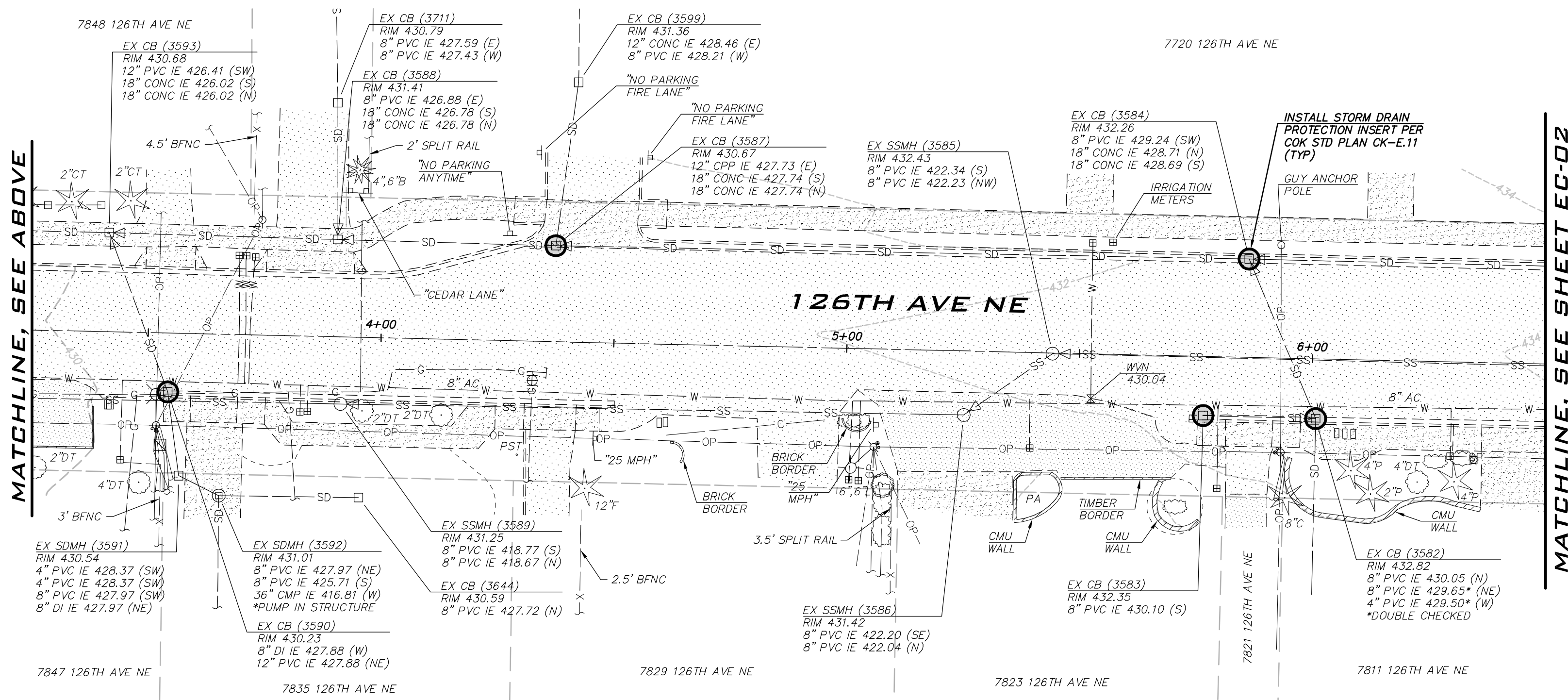
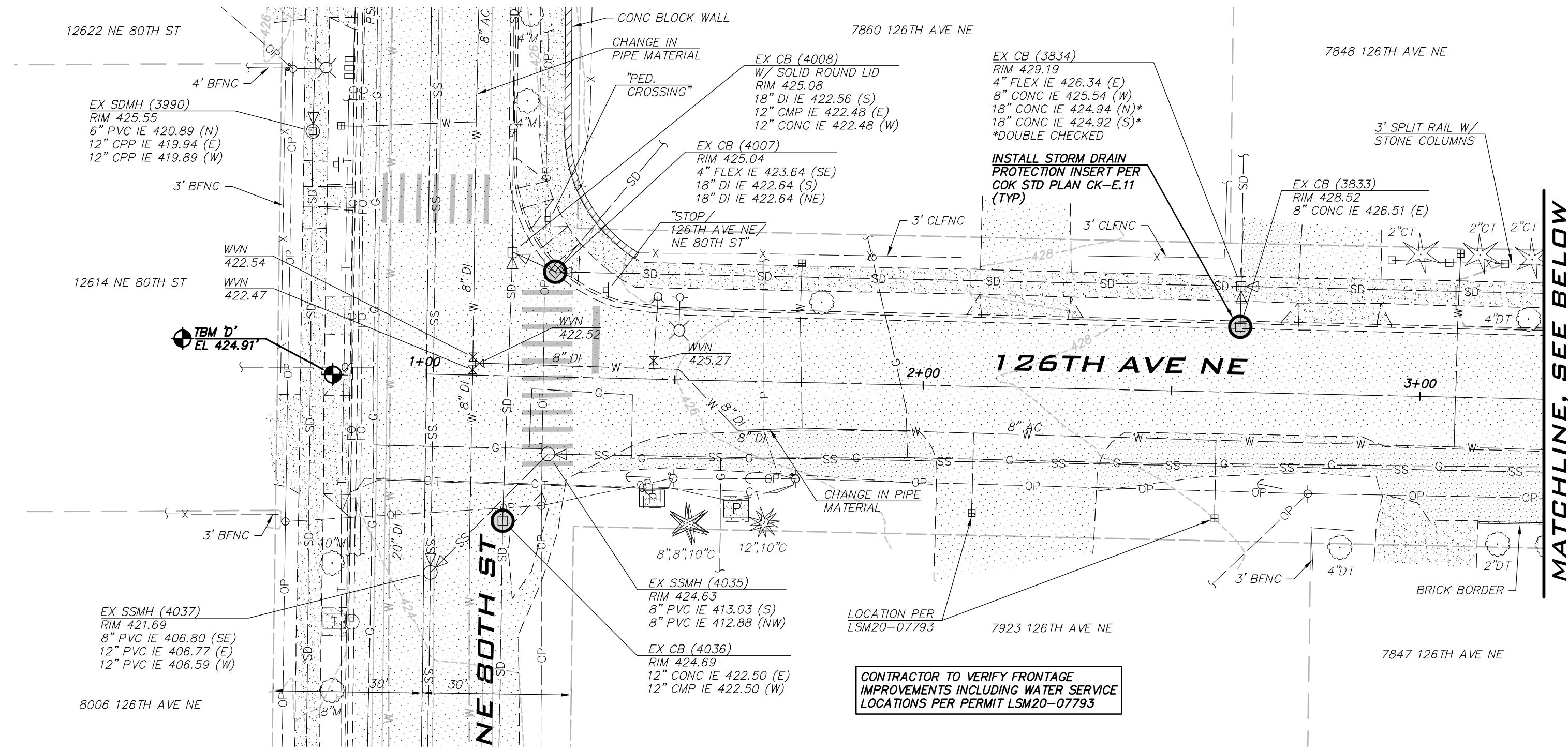
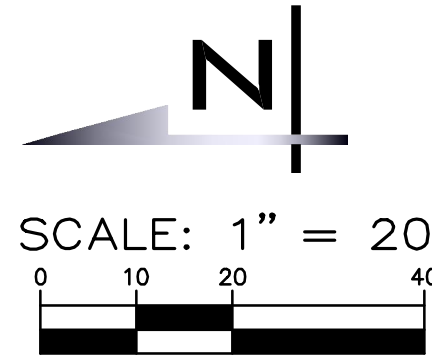
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BLUELINE

25 CENTRAL WAY, SUITE 400,
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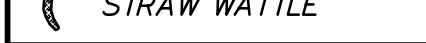


LEGEND

TESC FEATURES



INTERIM CATCH BASIN PROTECTION (INSERT)



STRAW WATTLE

NOTES

- SEE EROSION/SEDIMENTATION CONTROL PLAN NOTES, SHEET GN-02.
- TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED DURING CONSTRUCTION. ROOTS SHALL BE PROTECTED OR REMOVED AS DESCRIBED IN SECTIONS 2-01, 2-02, AND 8-01 OF THE SPECIFICATIONS.

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BLUELINE JOB #21-247

SHEET:

5 OF 26

SCALE:

AS SHOWN

FILENAME:

EC-01

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

DATE:

KAI POPE, EIT
DESIGNED BY: 8/10/22
DATE

CAROL DOGGETT
DRAWN BY: 8/10/22
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ROB DAHN, PE
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DATE

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

EXISTING CONDITIONS & TESC PLAN



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

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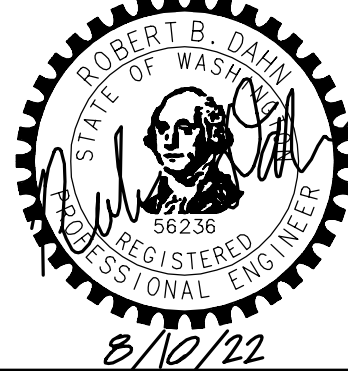
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126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

EXISTING CONDITIONS &
TESC PLAN

SHEET:

6 OF 26

SCALE:

AS SHOWN

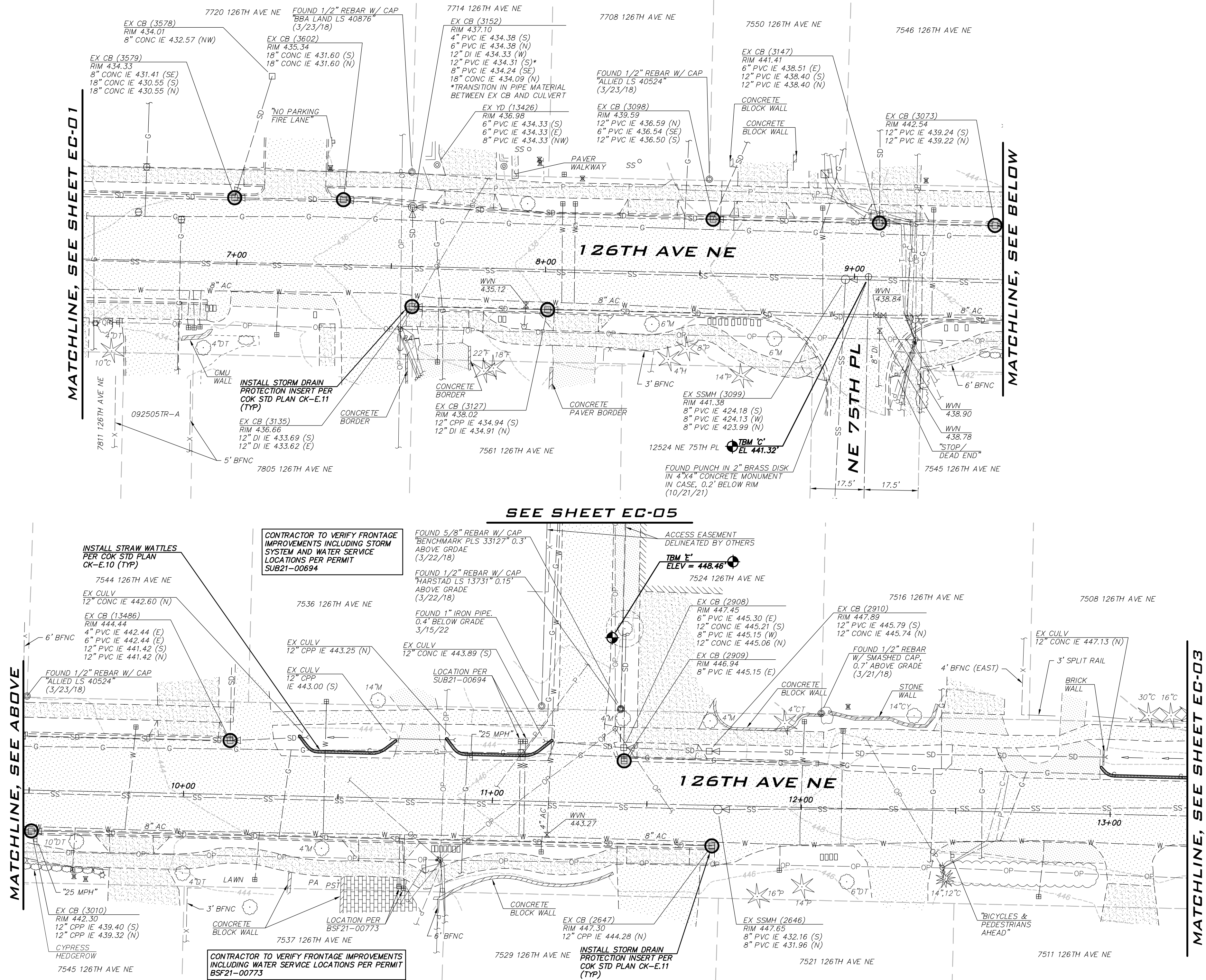
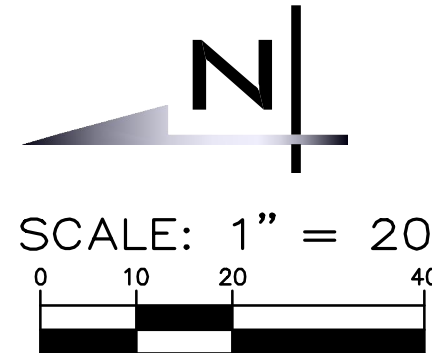
FILENAME:

EC-02



BLUELINE

25 CENTRAL WAY, SUITE 400,
KIRKLAND, WA 98033
P: 425.216.4051 F: 425.216.4052
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LEGEND

TESC FEATURES



STRAW WATTLE

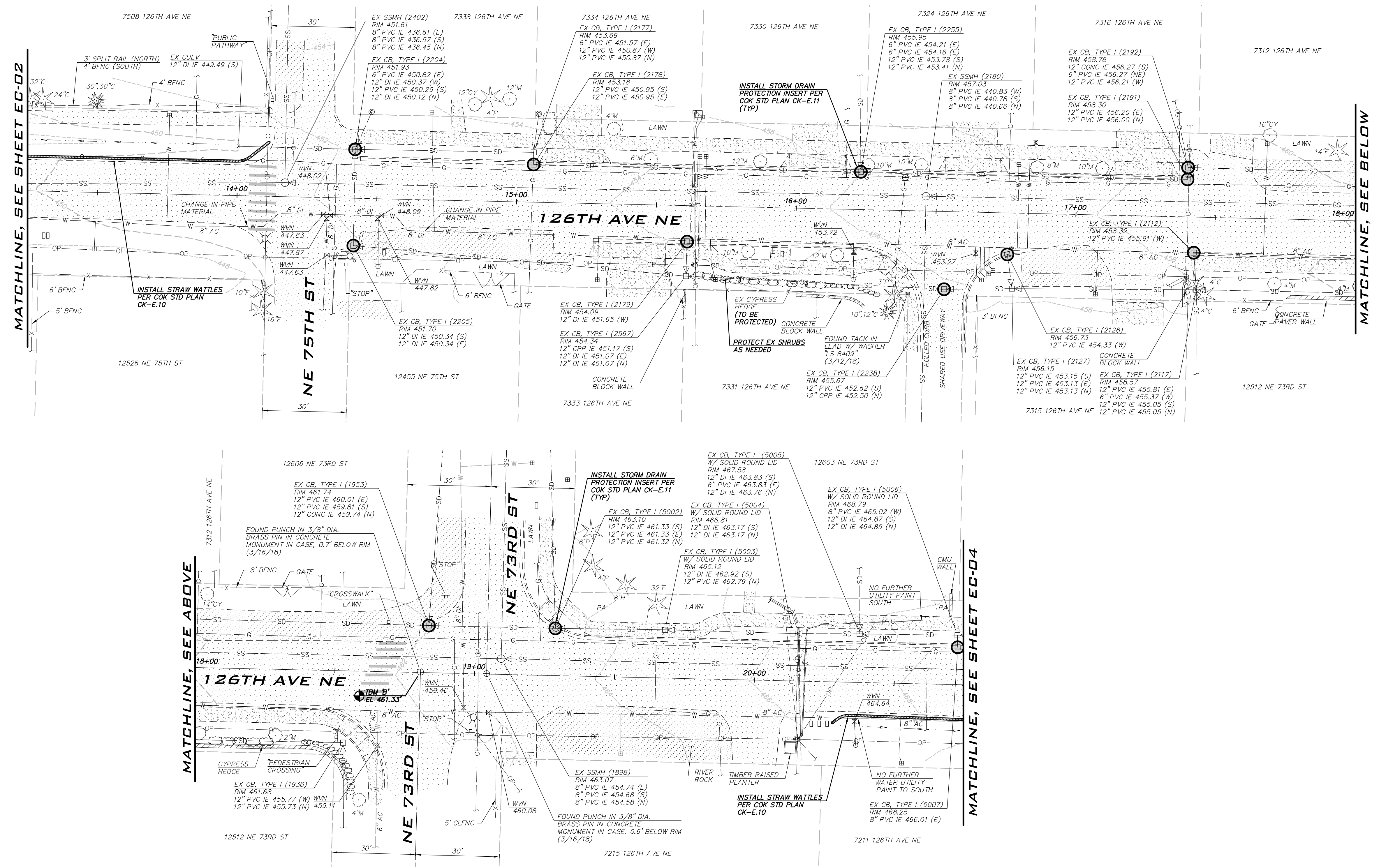
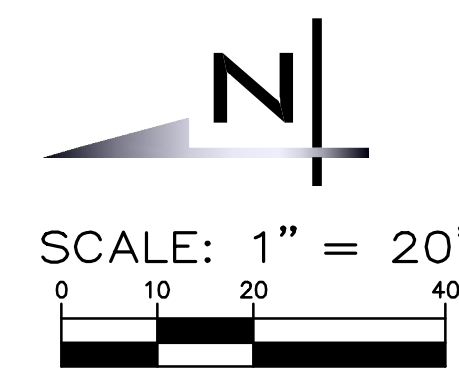
NOTES

- SEE EROSION/SEDIMENTATION CONTROL PLAN NOTES, SHEET GN-02.
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BLUELINE JOB #21-247



LEGEND

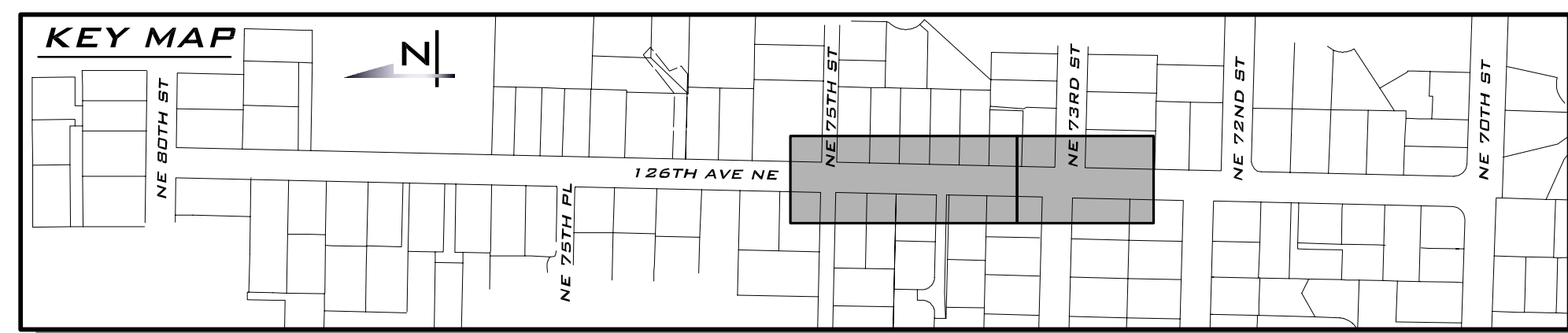
TESC FEATURES

	INTERIM CATCH BASIN PROTECTION (INSERT)
	STRAW WATTLE

- NOTES**
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CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

8/10/22

APPROVED BY:

DATE:

KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

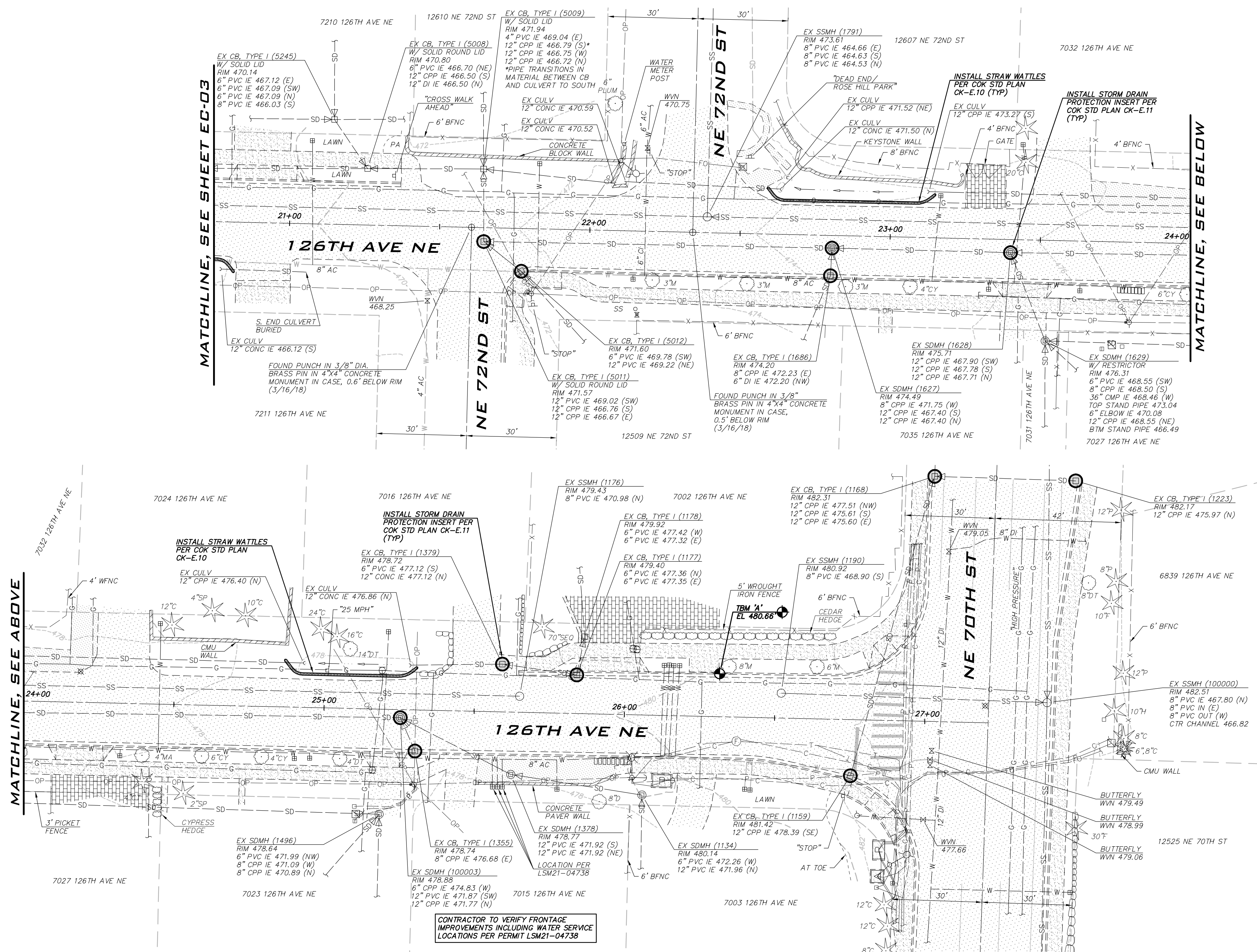
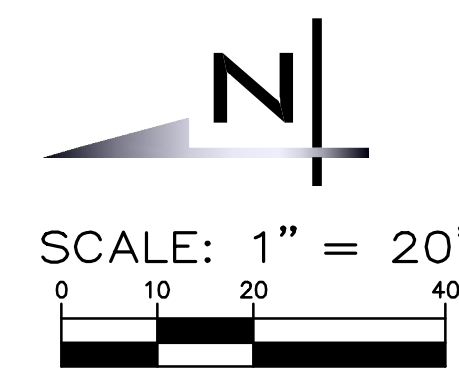
EXISTING CONDITIONS & TESC PLAN

BLUELINE JOB #21-247

SHEET: 7 OF 26

SCALE: AS SHOWN

FILENAME: EC-03

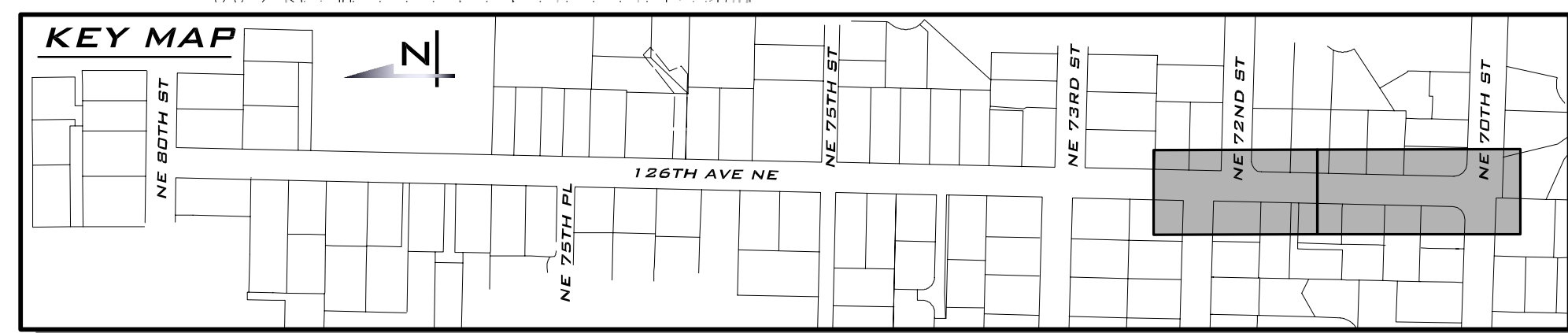


LEGEND	
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BLUELINE JOB #21-247

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NO.	DATE	BY	APPR.	REVISION

ROBERT B. DAHN
REGISTERED PROFESSIONAL ENGINEER
8/10/22

APPROVED BY:

DATE:

KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

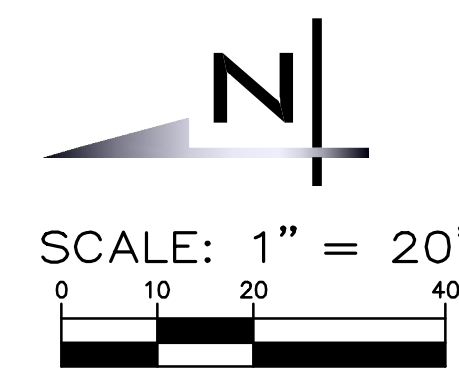
126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

EXISTING CONDITIONS & TESC PLAN

SHEET: **8 OF 26**

SCALE: **AS SHOWN**

FILENAME: **EC-04**



NOTES

1. INSTALL 1" SHORT SIDE WATER SERVICE INCLUDING ADAPTER FOR 3/4" METER AS NECESSARY PER STD DETAIL CK-W.18.
2. INSTALL 1" LONG SIDE WATER SERVICE INCLUDING ADAPTER FOR 3/4" METER AS NECESSARY PER STD DETAIL CK-W.18.
3. INSTALL TRAFFIC BEARING WATER METER TRAVEL BOX AND LID PER COK STD PLAN NO. CK-W.23.
4. CONNECT NEW SERVICE LINE TO WATER METER IN EXISTING LOCATION. PROPOSED LINE SHOWN OFFSET FOR CLARITY.
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6. CONTRACTOR TO POTHOLE EXISTING UTILITIES IN ADVANCE TO SET HYDRANT WITHOUT USING VERTICAL BENDS.
7. INSTALL 2" SHORT SIDE WATER SERVICE PER STD DETAIL CK-W.19.
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12. PROTECT EXISTING MAILBOX.
13. WORK ON PRIVATE PROPERTY REQUIRES RIGHT OF ENTRY PERMIT. CITY TO OBTAIN IF NECESSARY.

CONSTRUCTION NOTES

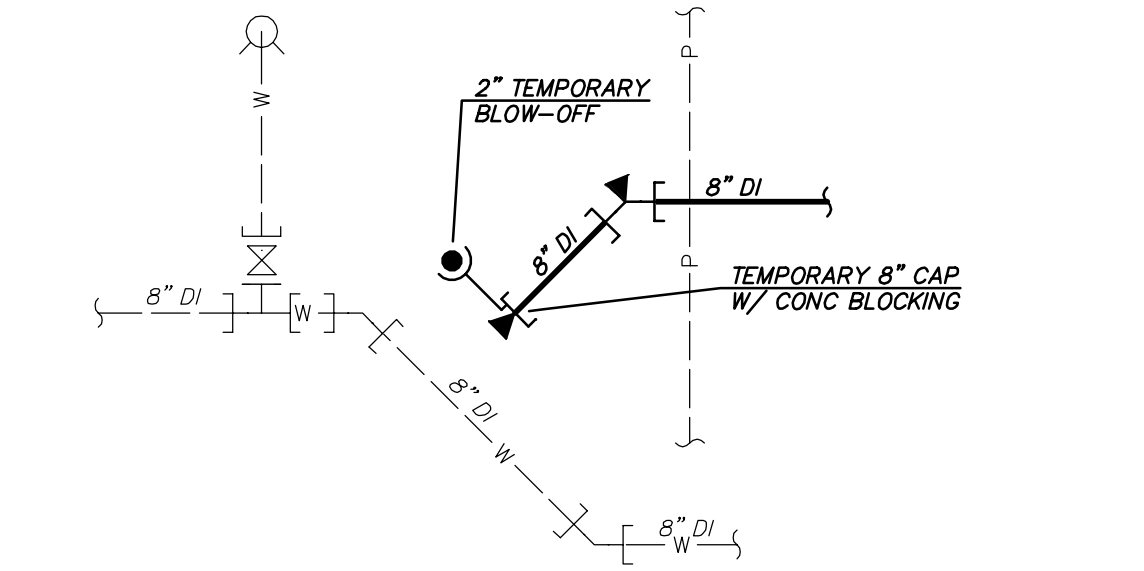
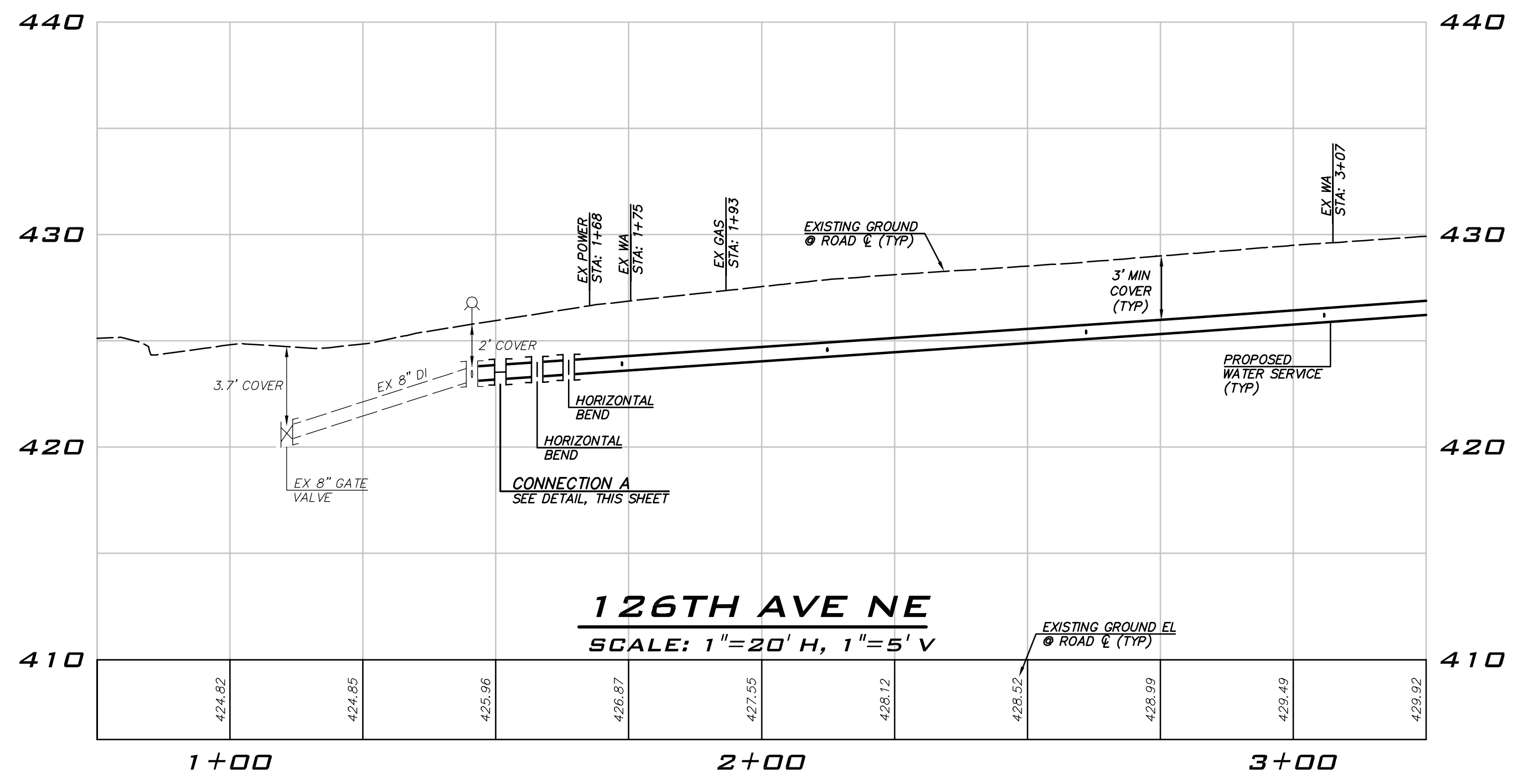
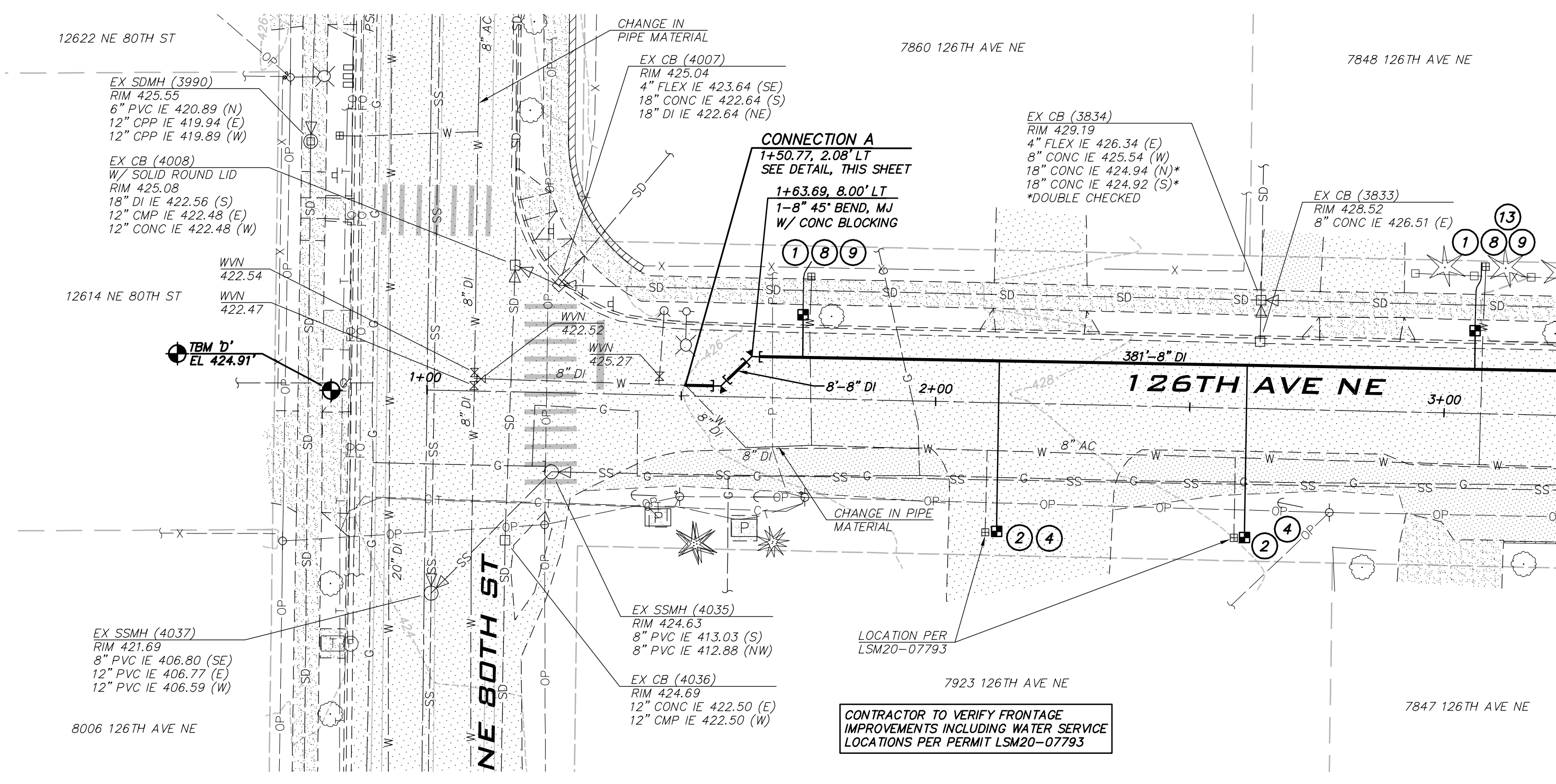
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EXISTING UTILITY NOTE

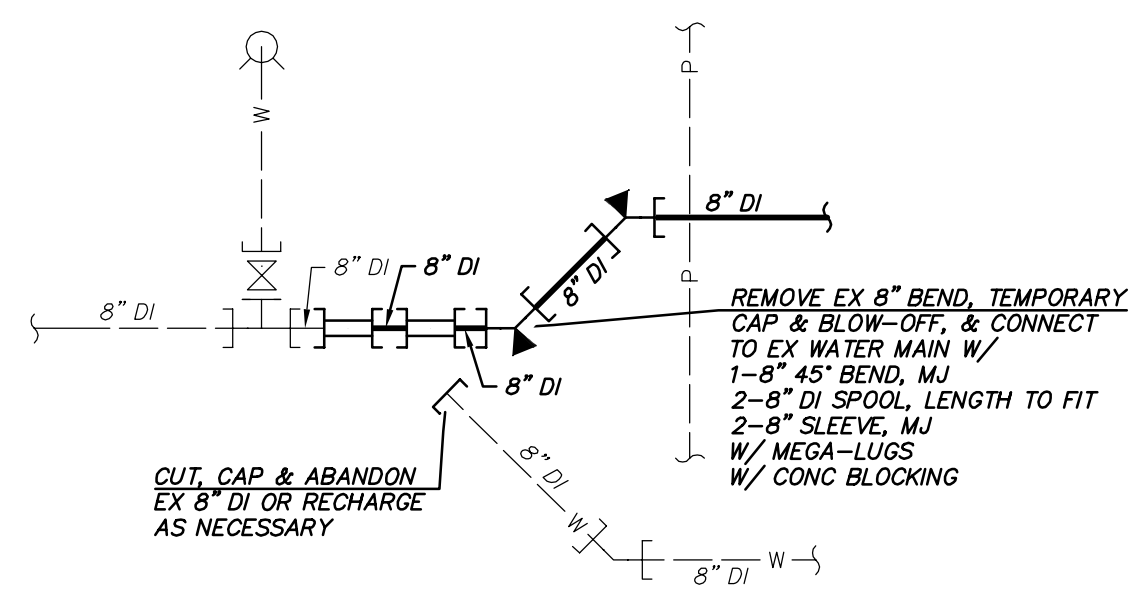
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BLUELINE JOB #21-247

MATCHLINE, SEE SHEET WA-02



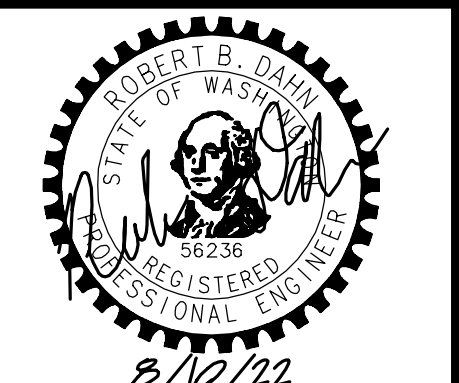
TESTING CONNECTION



FINAL CONNECTION

CONNECTION A
NOT TO SCALE

NO.	DATE	BY	APPR.	REVISION



KAI POPE, EIT 8/10/22
DESIGNED BY: DATE
CAROL DOGGETT 8/10/22
DRAWN BY: DATE
ROB DAHN, PE 8/10/22
CHECKED BY: DATE

**126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT**
WATER PLAN

Aug 10, 2022 - 11:23am - User: croggett
11:23am - 11:23am - User: croggett



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



KAI POPE, EIT
DESIGNED BY: 8/10/22
DATE

CAROL DOGGETT
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DATE

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CHECKED BY: 8/10/22
DATE

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

WATER PLAN

SHEET:

11 OF 26

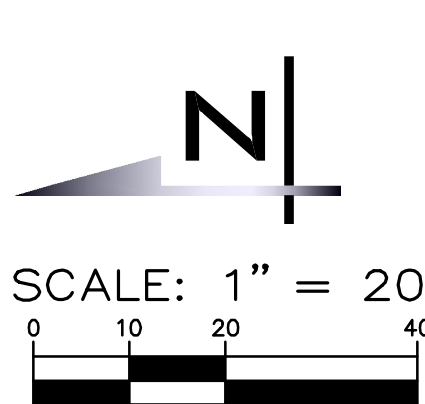
SCALE:

AS SHOWN

FILENAME:

WA-02

BLUELINE JOB #21-247



NOTES

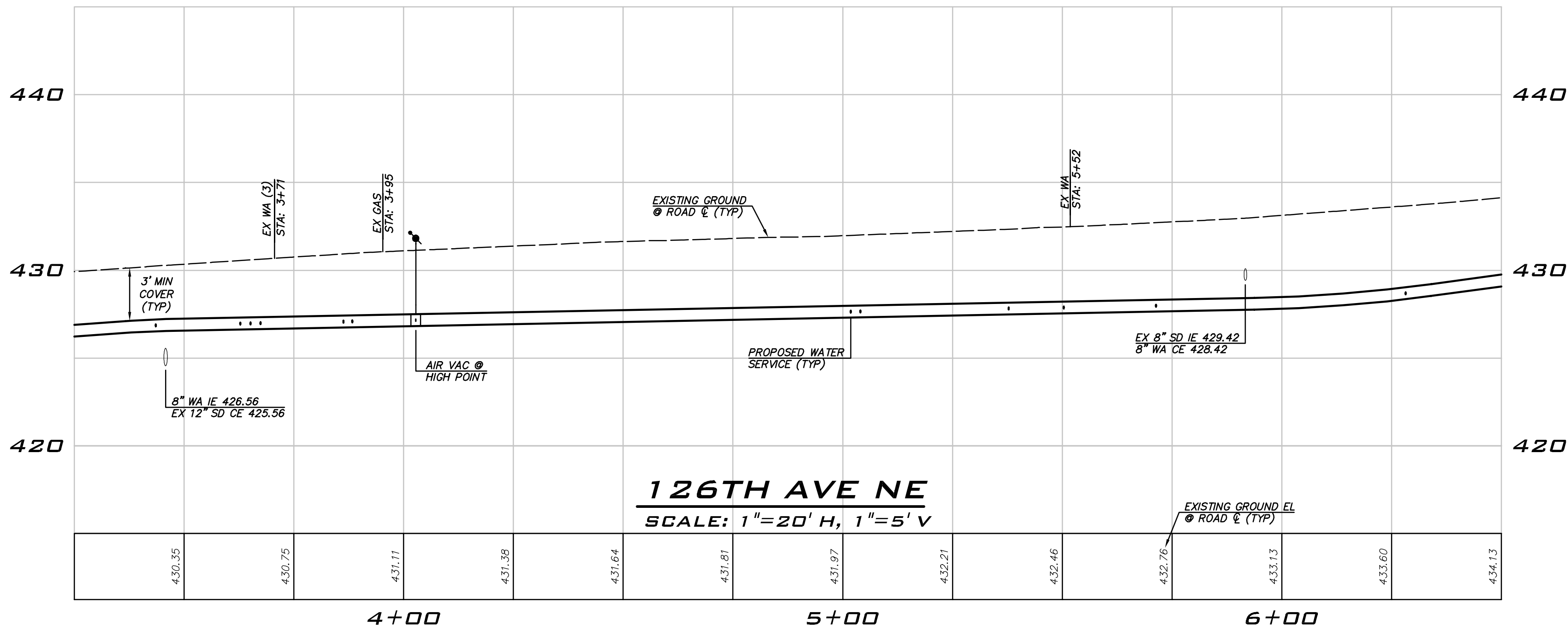
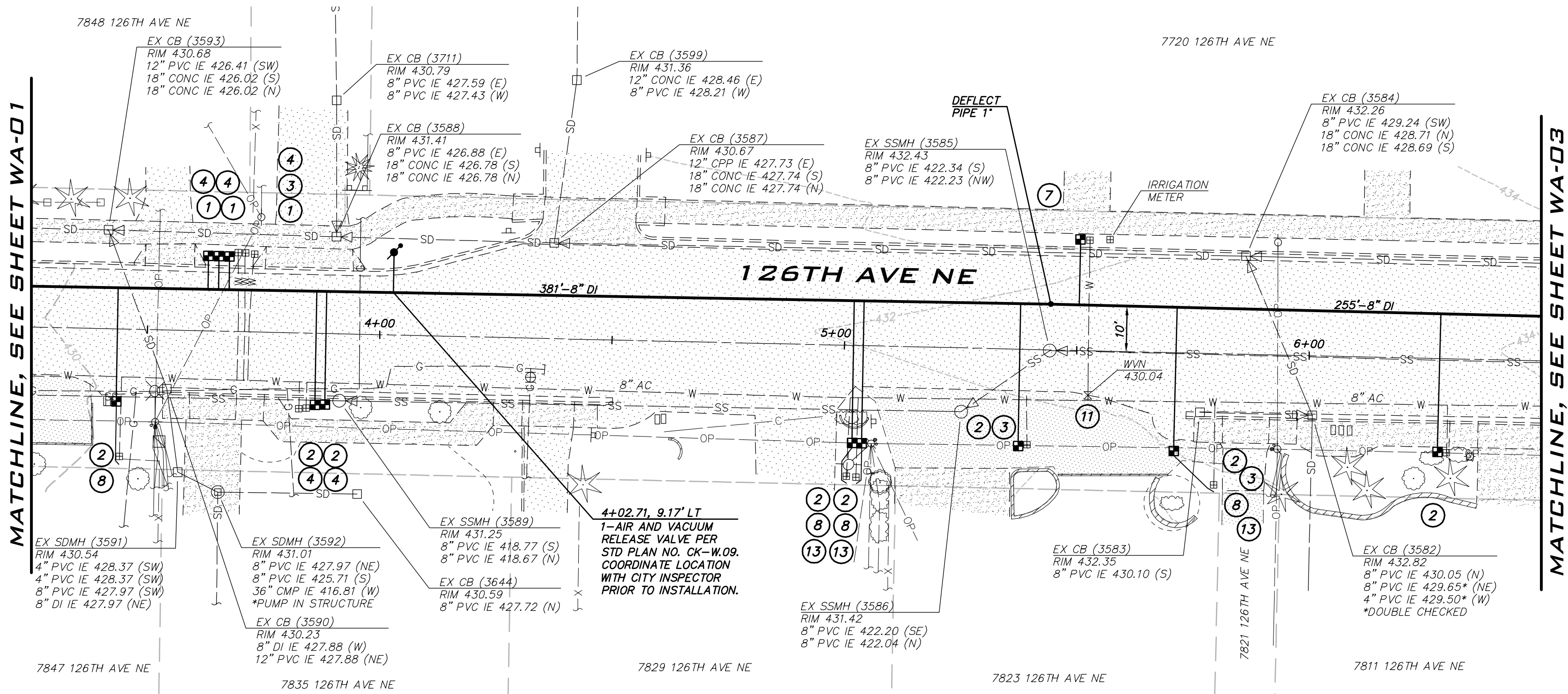
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Aug 10, 2022 - 11:23am - User: croggett
C:\projects\21-247\126th Ave NE.dwg



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



KAI POPE, EIT
DESIGNED BY: 8/10/22
DATE

CAROL DOGGETT
DRAWN BY: 8/10/22
DATE

ROB DAHN, PE
CHECKED BY: 8/10/22
DATE

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

WATER PLAN

SHEET:

13 OF 26

SCALE:

AS SHOWN

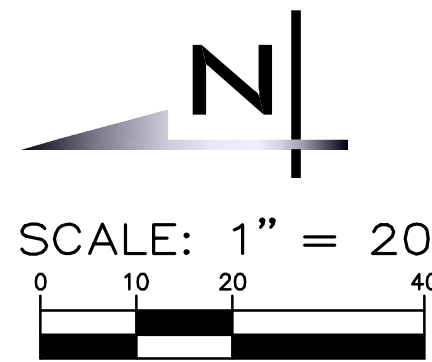
FILENAME:

WA-04



BLUELINE

25 CENTRAL WAY, SUITE 400,
KIRKLAND, WA 98033
P: 425.216.4051 F: 425.216.4052
WWW.THEBLUELINEGROUP.COM



NOTES

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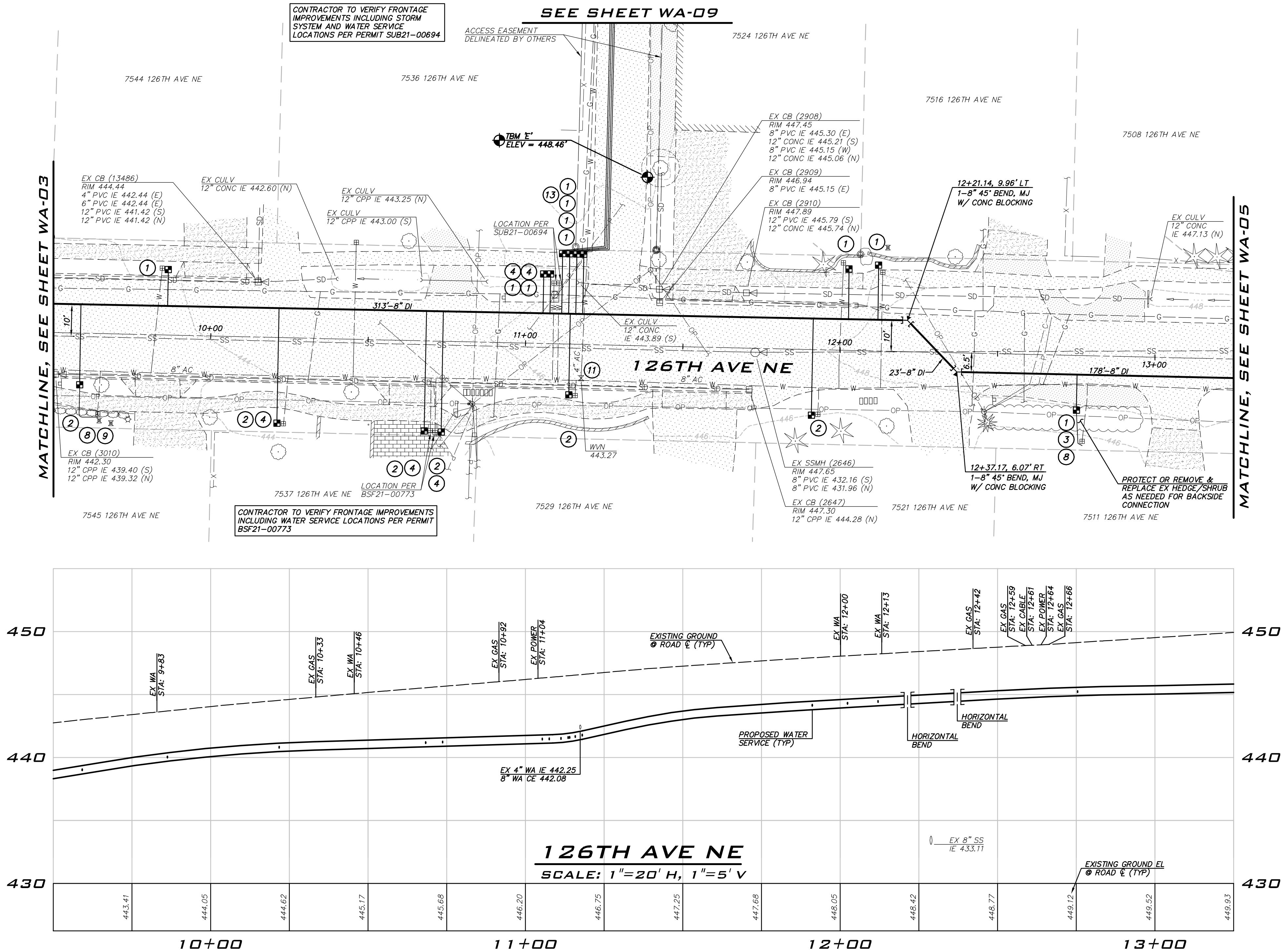
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BLUELINE JOB #21-247



MATCHLINE, SEE SHEET WA-03

MATCHLINE, SEE SHEET WA-05



Aug 10, 2022 - 11:24am - User: croggett
C:\projects\126th Ave Water Main\126th Ave.dwg



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



KAI POPE, EIT
DESIGNED BY: 8/10/22
DATE

CAROL DOGGETT
DRAWN BY: 8/10/22
DATE

ROB DAHN, PE
CHECKED BY: 8/10/22
DATE

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

WATER PLAN

BLUELINE JOB #21-247

SHEET:

15 OF 26

SCALE:

AS SHOWN

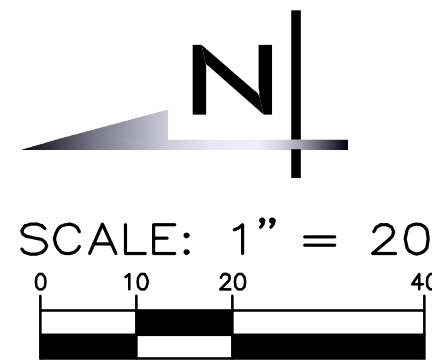
FILENAME:

WA-06



BLUELINE

25 CENTRAL WAY, SUITE 400,
KIRKLAND, WA 98033
P: 425.216.4051 F: 425.216.4052
WWW.THEBLUELINEGROUP.COM



NOTES

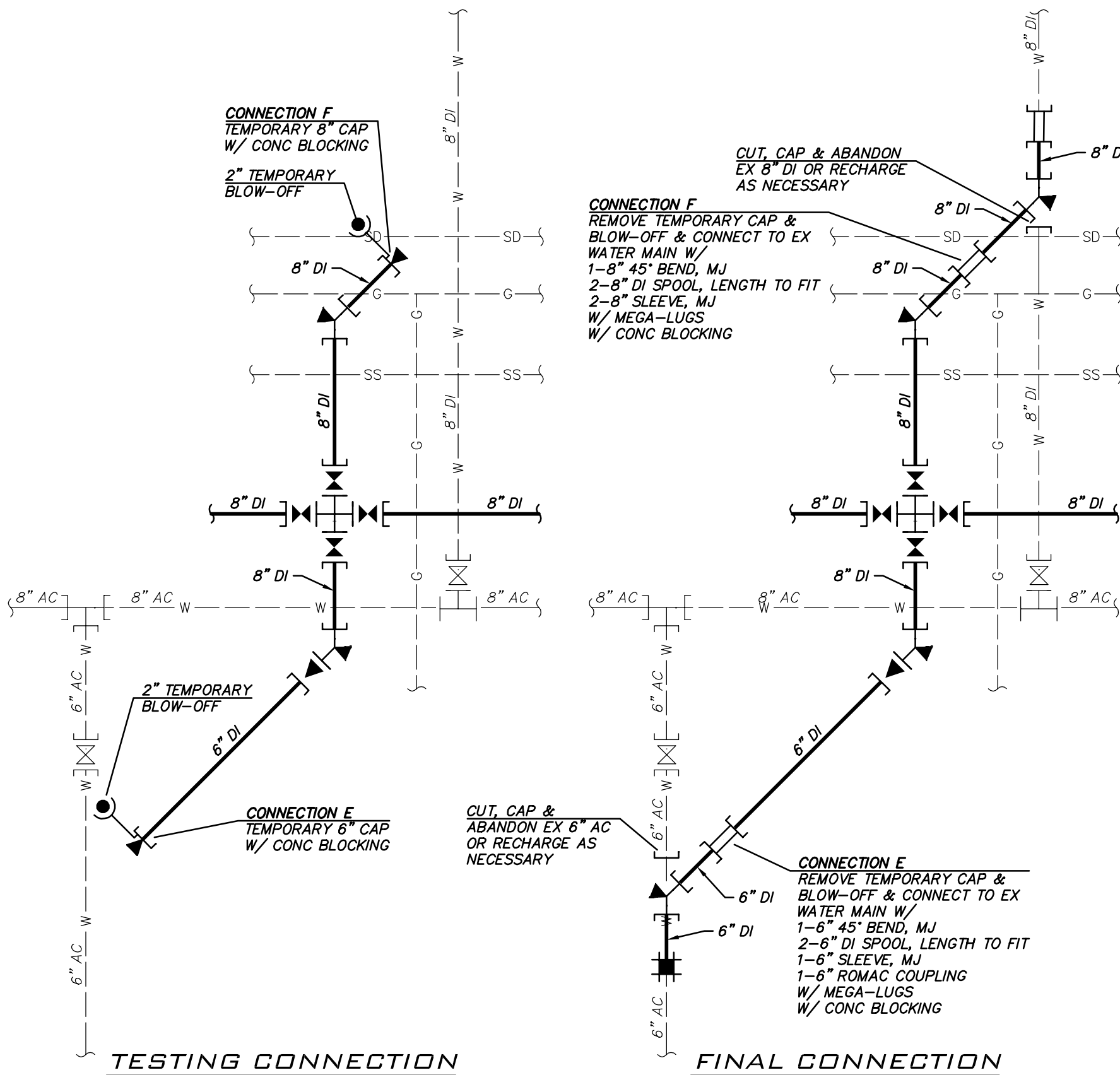
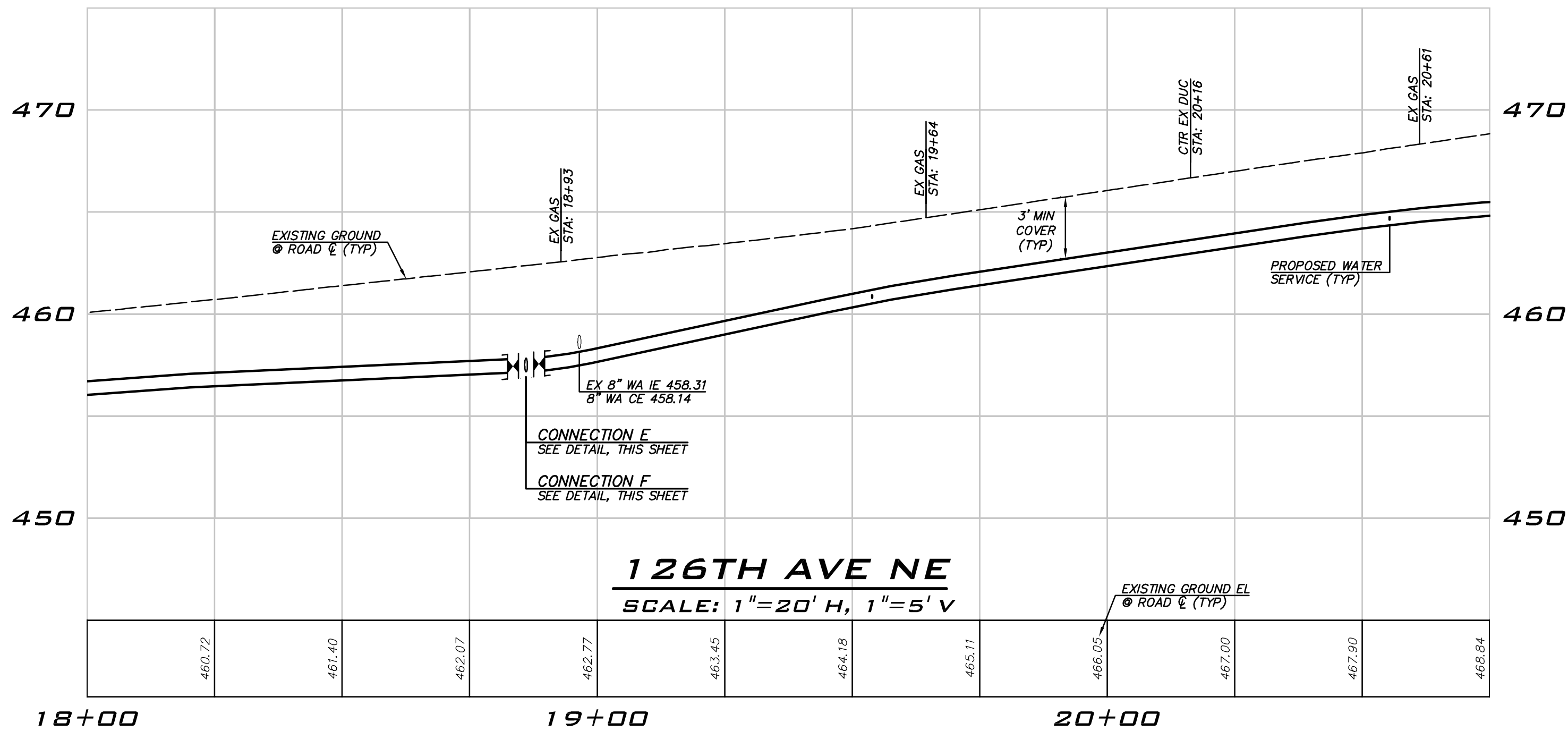
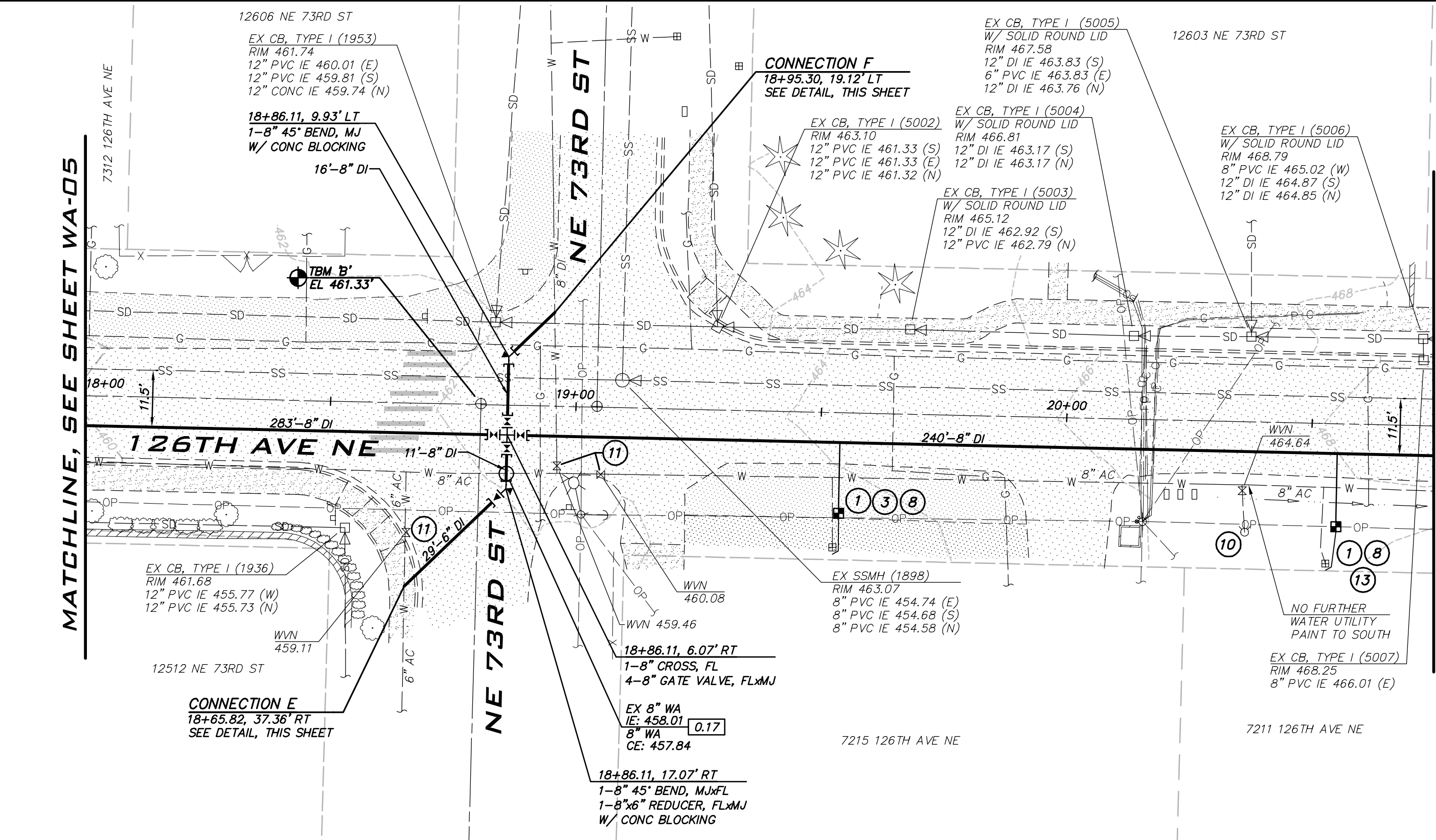
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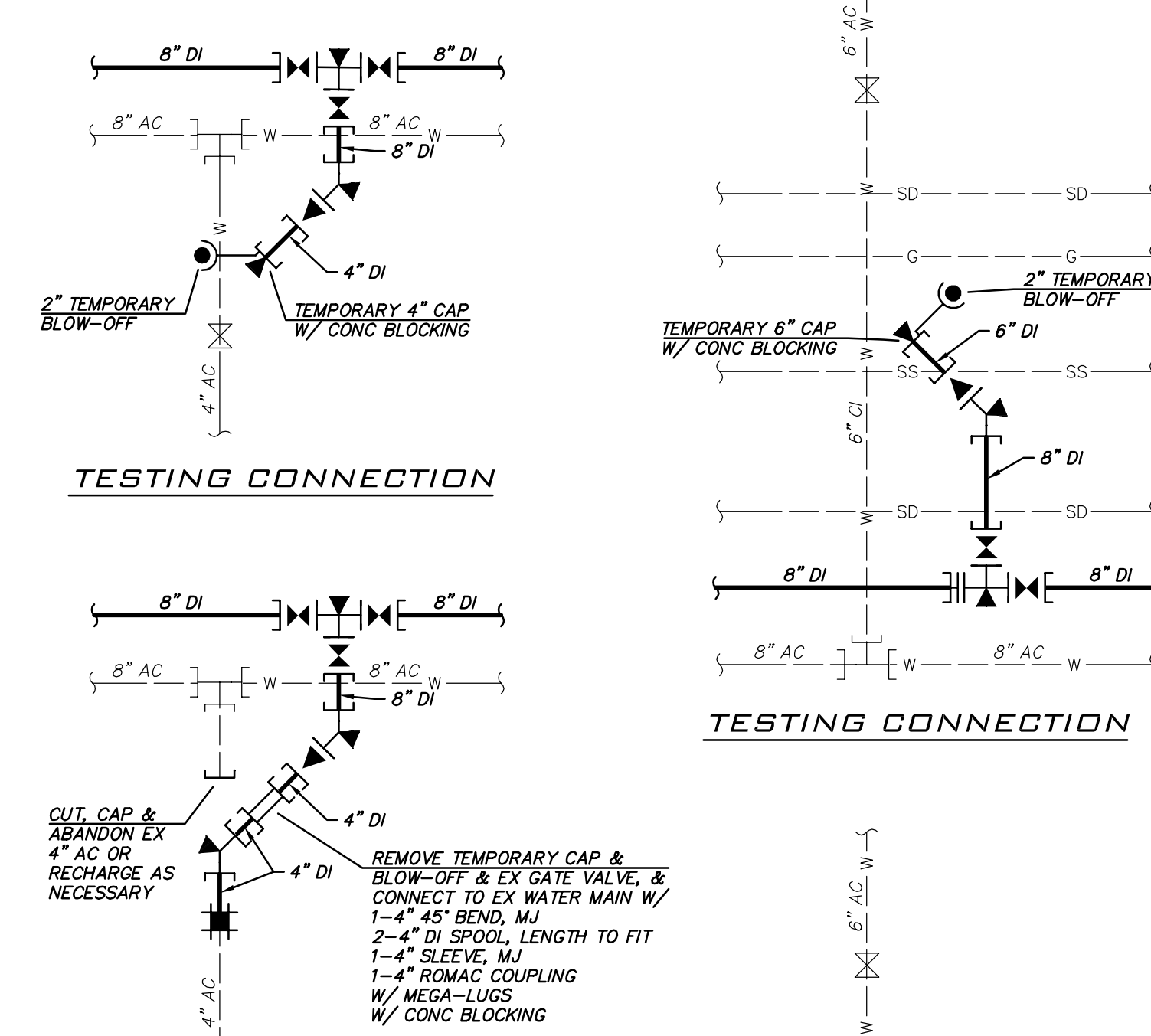
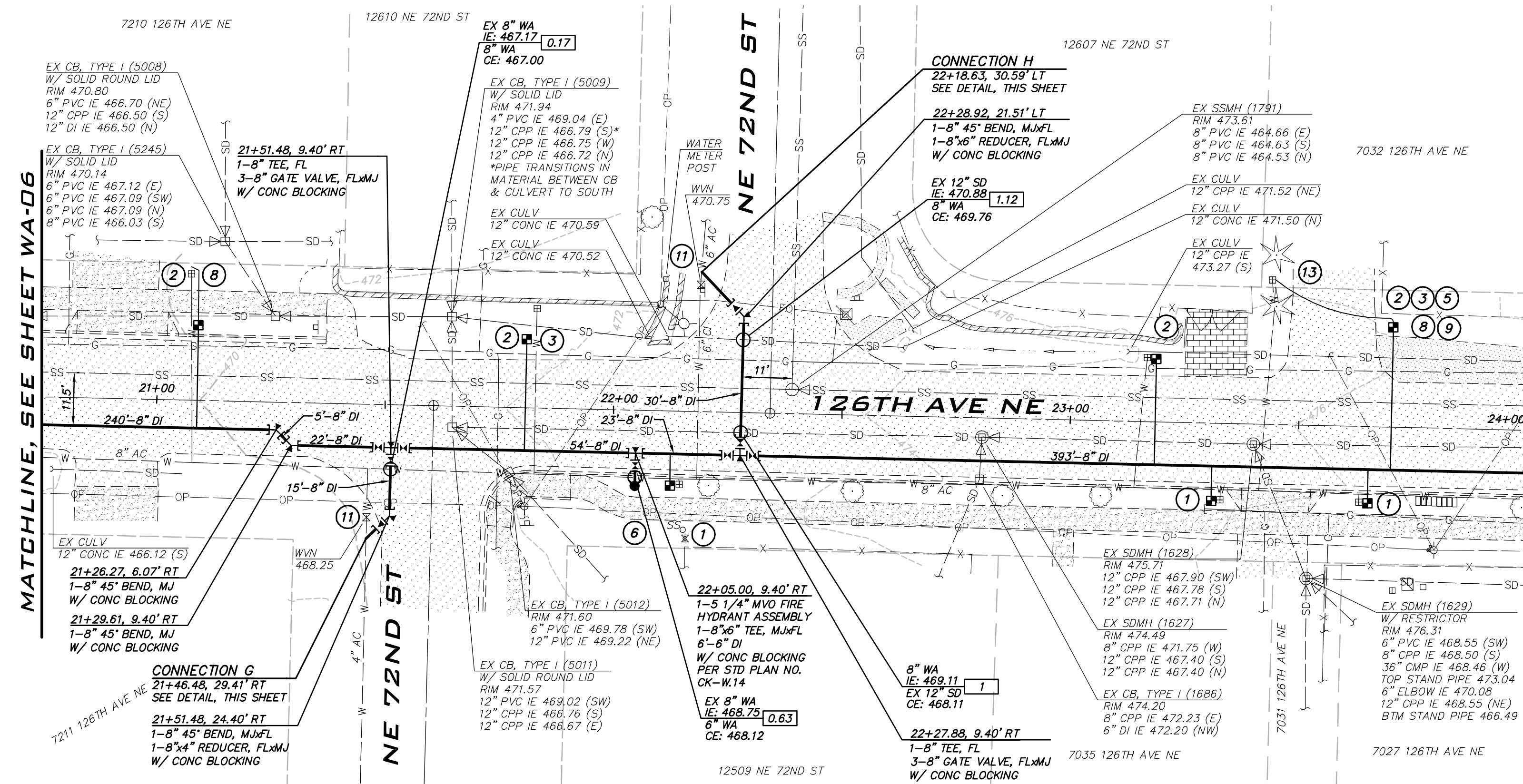
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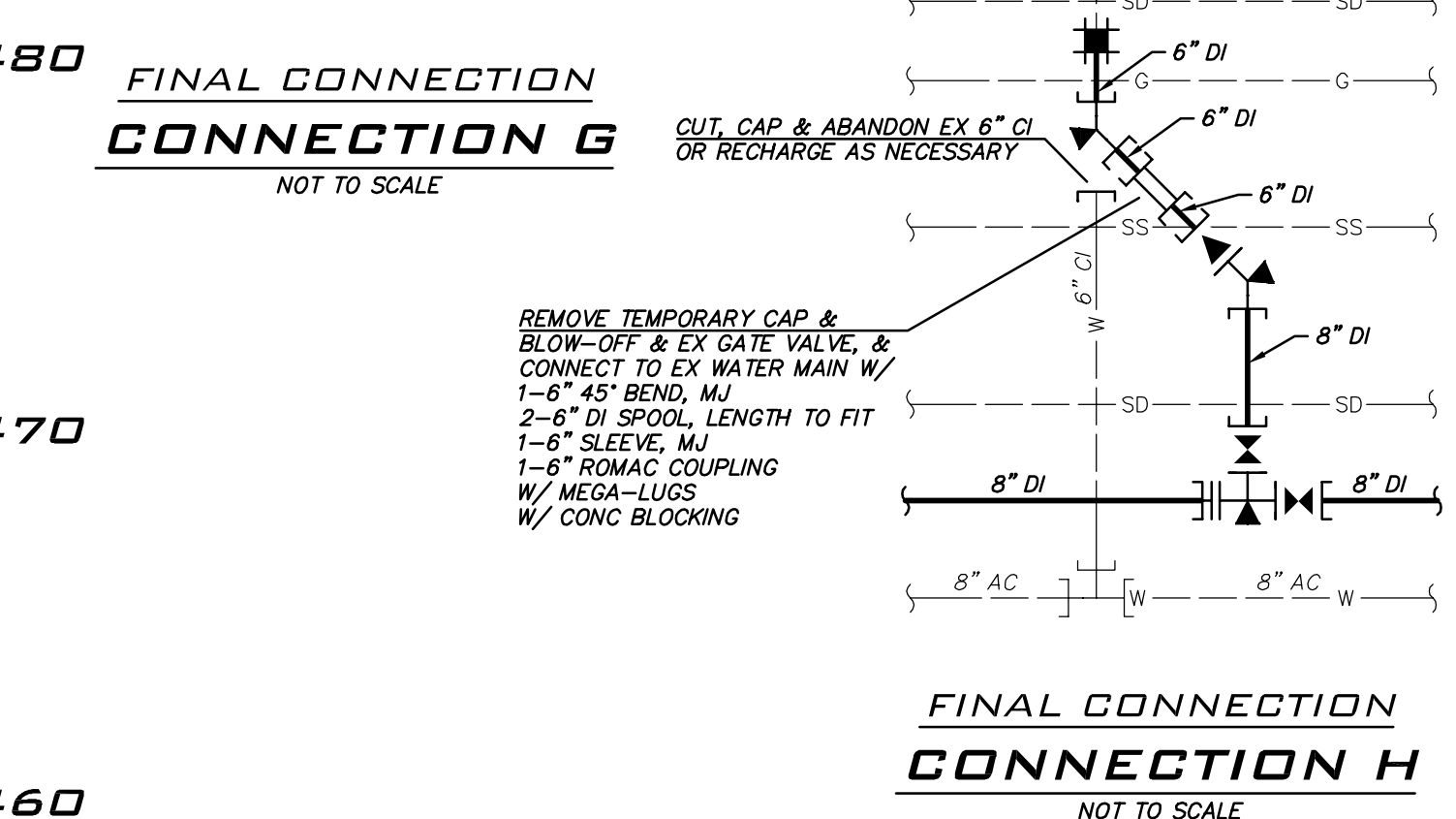
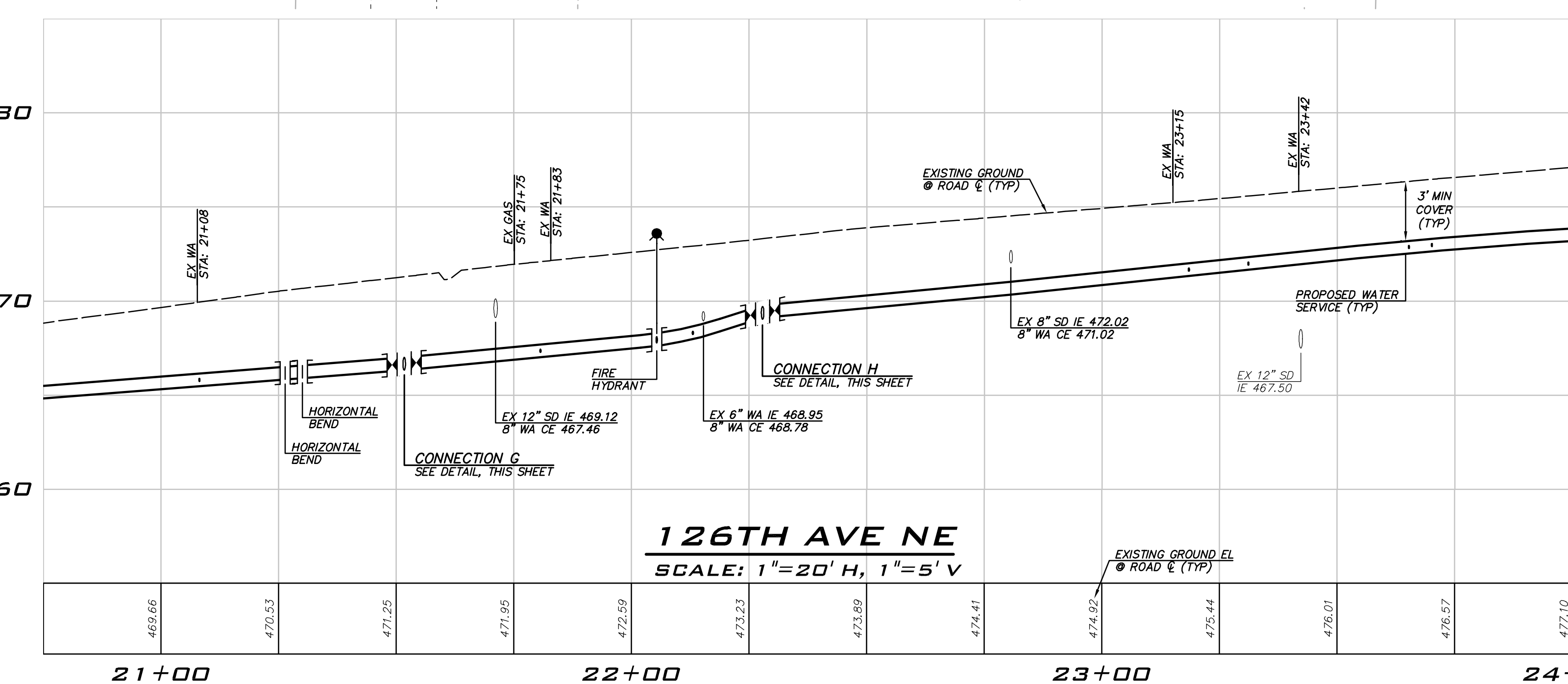
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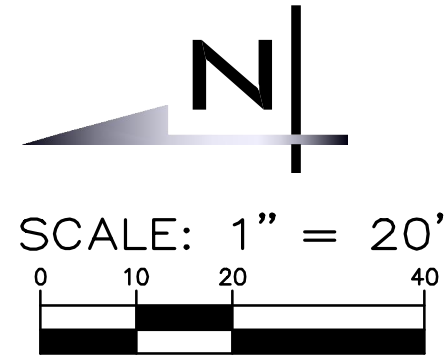
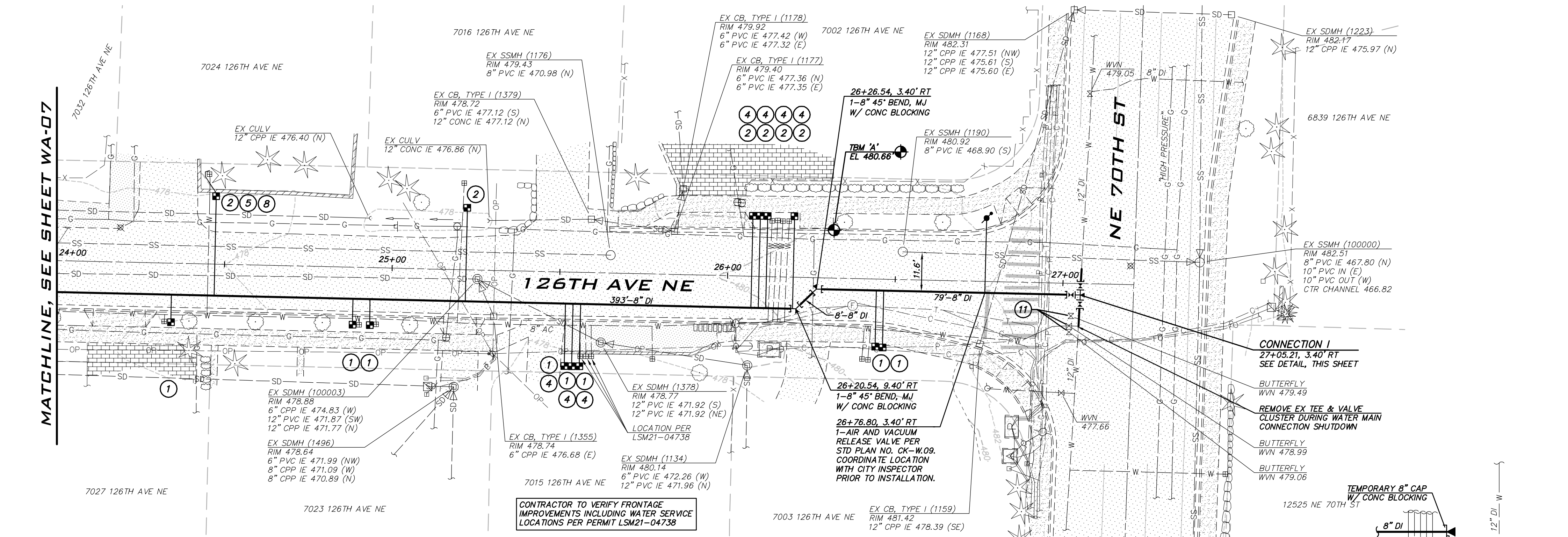
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MATCHLINE, SEE SHEET WA-07



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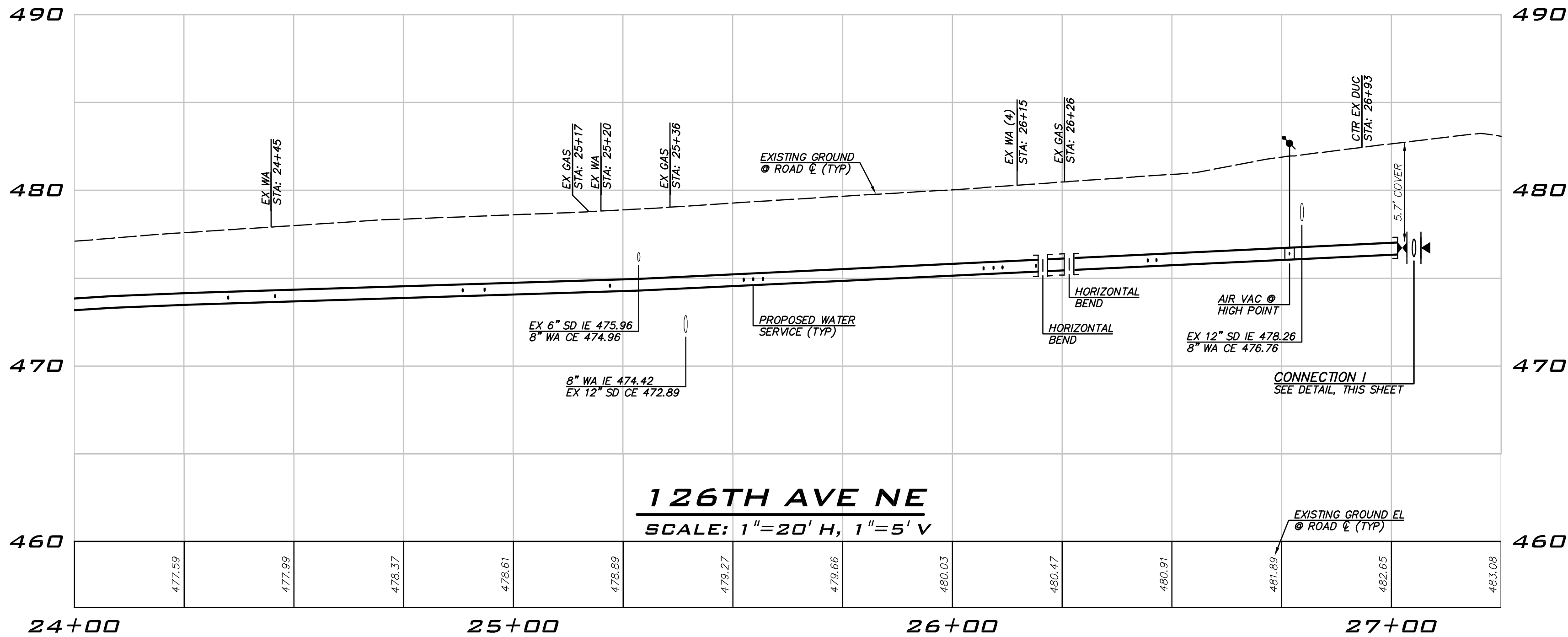
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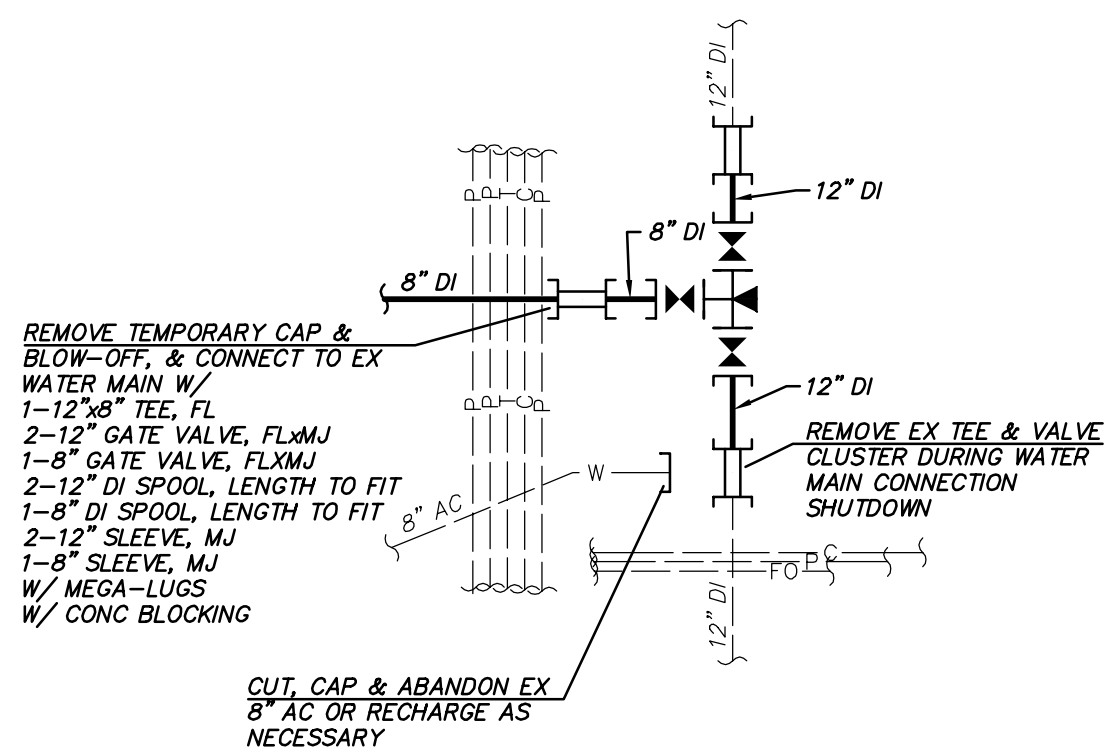
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TESTING CONNECTION



FINAL CONNECTION

CONNECTION I

NOT TO SCALE



BLUELINE JOB #21-247

SHEET:

17 OF 26

SCALE:

AS SHOWN

FILENAME:

WA-08



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



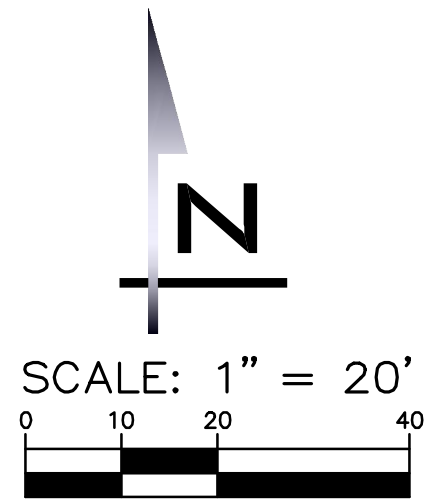
KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

WATER PLAN



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EXISTING UTILITY NOTE

EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

BLUELINE JOB #21-247

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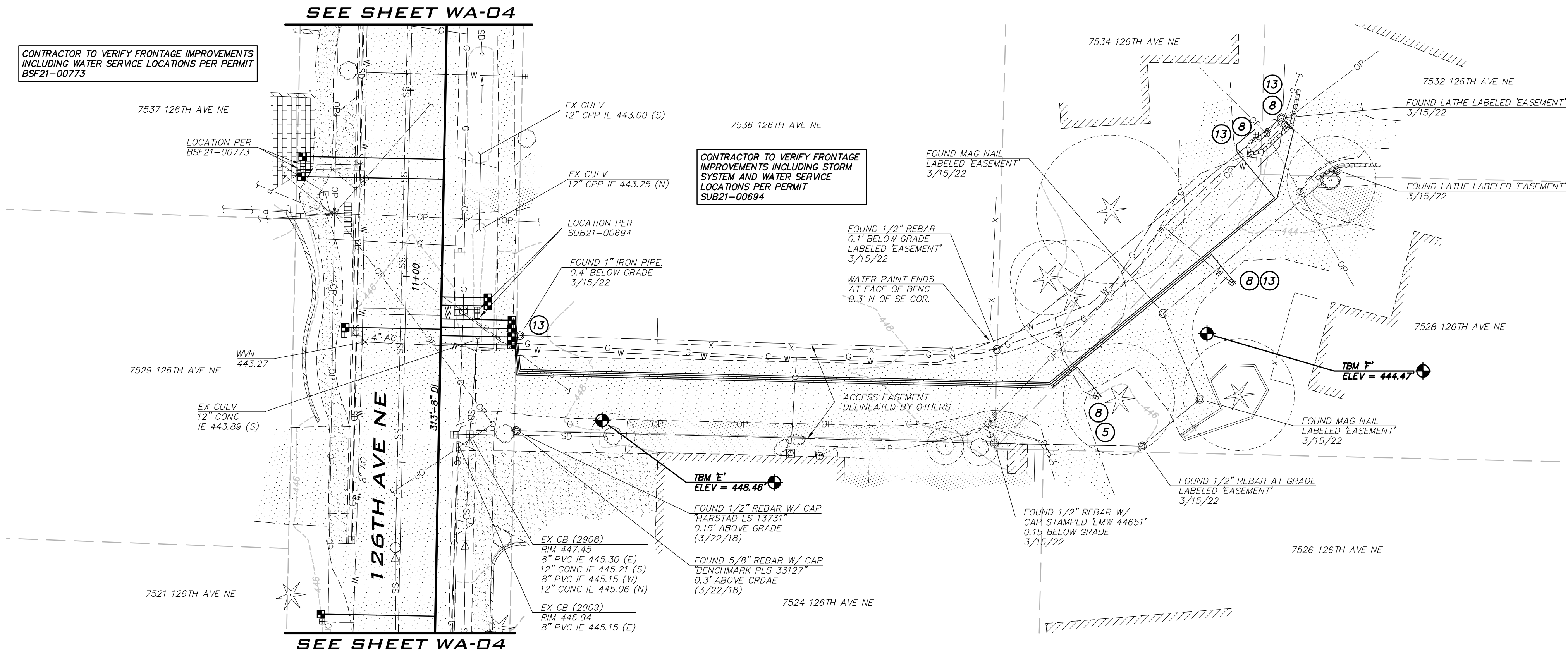
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AS SHOWN

FILENAME:

WA-09



NO.	DATE	BY	APPR.	REVISION



KAI POPE, EIT 8/10/22
DESIGNED BY: DATE
CAROL DOGGETT 8/10/22
DRAWN BY: DATE
ROB DAHN, PE 8/10/22
CHECKED BY: DATE

**126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT**

WATER PLAN



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

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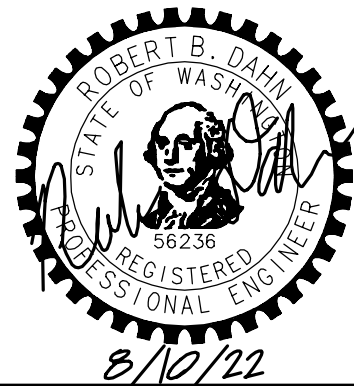
CITY OF KIRKLAND

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CAROL DOGGETT 8/10/22
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ROB DAHN, PE 8/10/22
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126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

ROAD RESTORATION PLAN

SHEET:

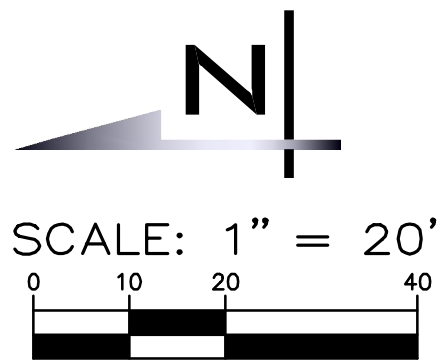
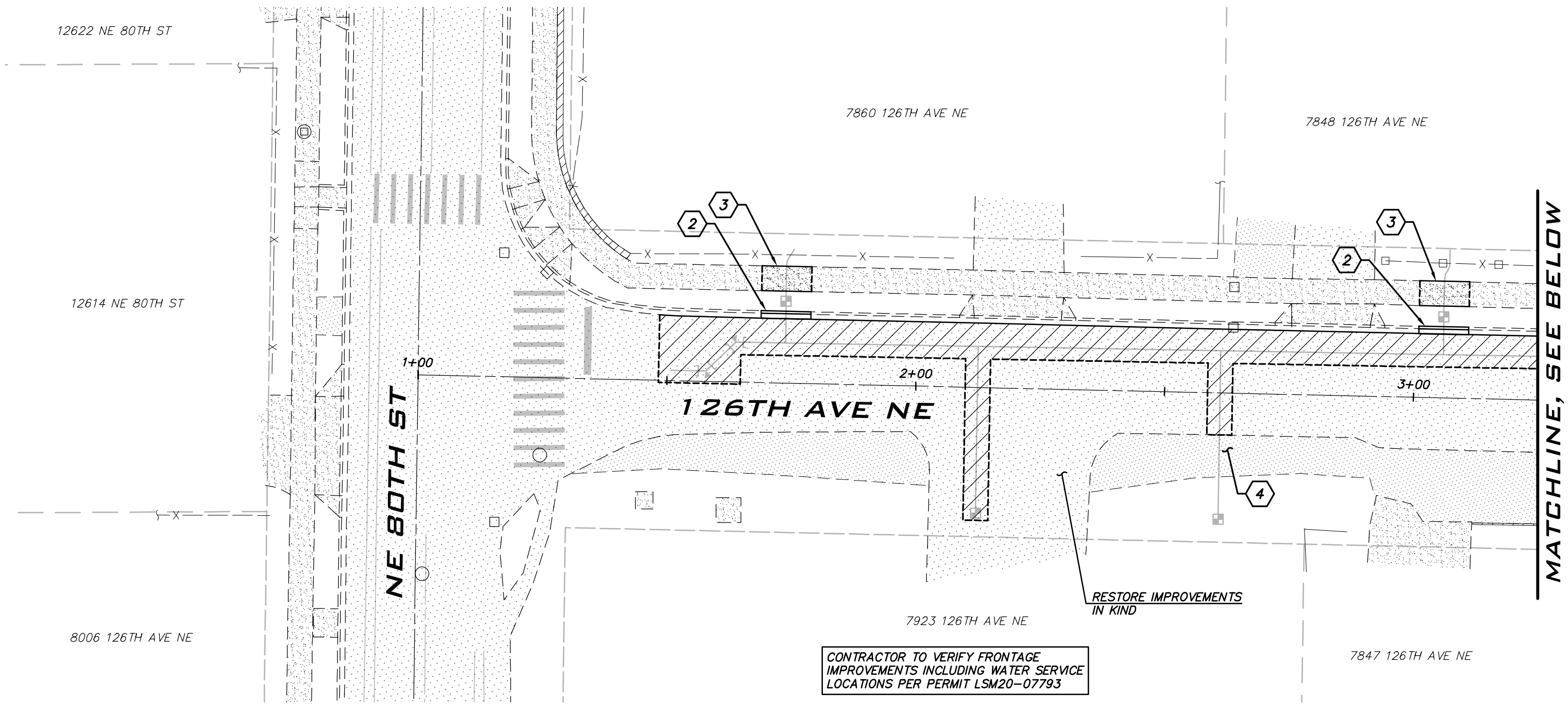
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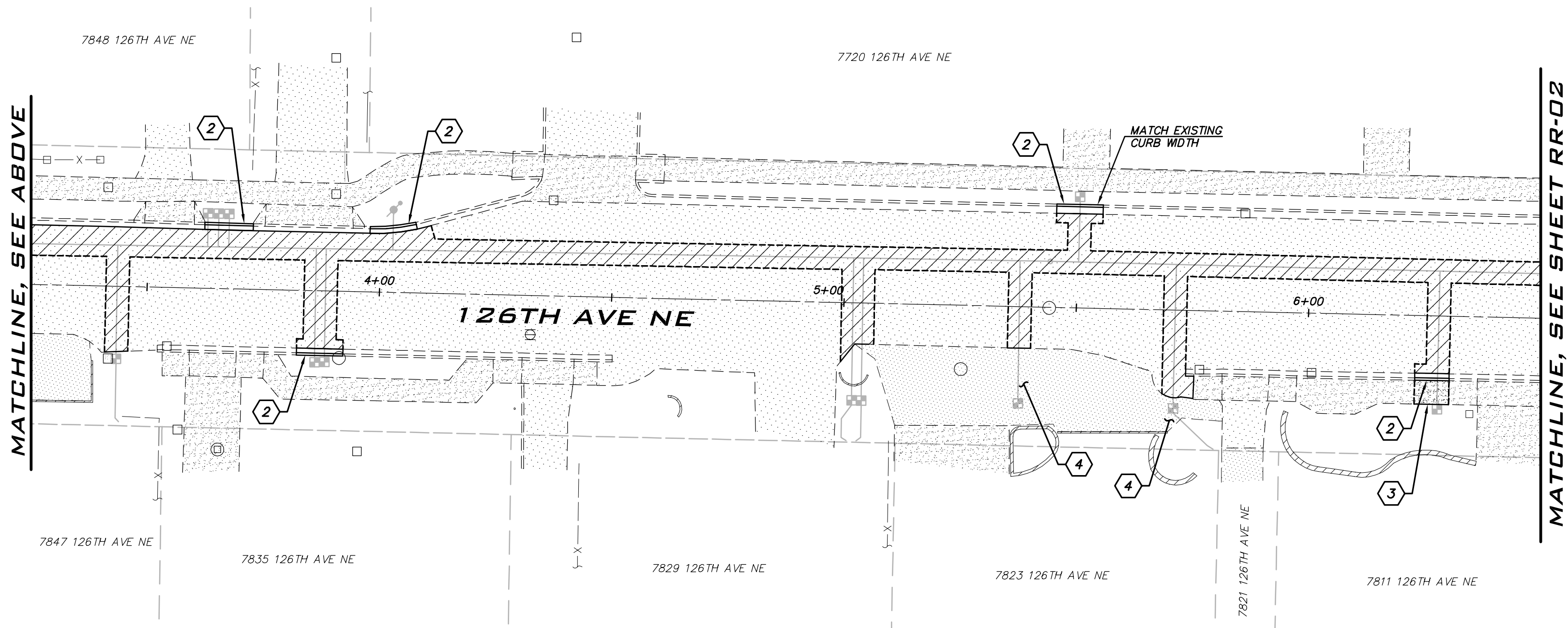
FILENAME:

RR-01



BLUELINE

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WWW.THEBLUELINEGROUP.COM



NOTES

- 1) CEMENT CONCRETE DRIVEWAY PER COK STD PLAN CK-R.21. REPLACE TO THE NEAREST JOINT.
- 2) CONCRETE CURB & GUTTER PER COK STD PLAN CK-R.17. REPLACE TO THE NEAREST JOINT. MINIMUM 2' WIDE HMA PATCH.
- 3) CEMENT CONCRETE SIDEWALK PER COK STD PLAN CK-R.23. REPLACE TO THE NEAREST JOINT.
- 4) REPLACE EXISTING GRAVEL TO ORIGINAL CONDITION.
- 5) CROSSWALK PER COK STD PLAN CK-R.28. REPLACE ALL DISTURBED MARKINGS WITHIN ASPHALT PATCH OR AS DIRECTED BY ENGINEER.
- 6) PROTECT OR REPLACE EXISTING MONUMENT PER COK STD PLAN NO. CK-R.03.
- 7) STOP BAR PER COK STD PLAN CK-R.28. REMOVE REMAINING EXISTING STOP BAR.
- 8) REPLACE EXISTING CATCH BASIN CASTING PER COK STD PLANS CK-D.14 AND CK-D.16A.
- 9) REPLACE EXISTING STORM MANHOLE CASTING PER COK STD PLAN CK-D.18A.
- 10) RESTORE EXISTING CONCRETE PAVER WALL TO ORIGINAL CONDITION.

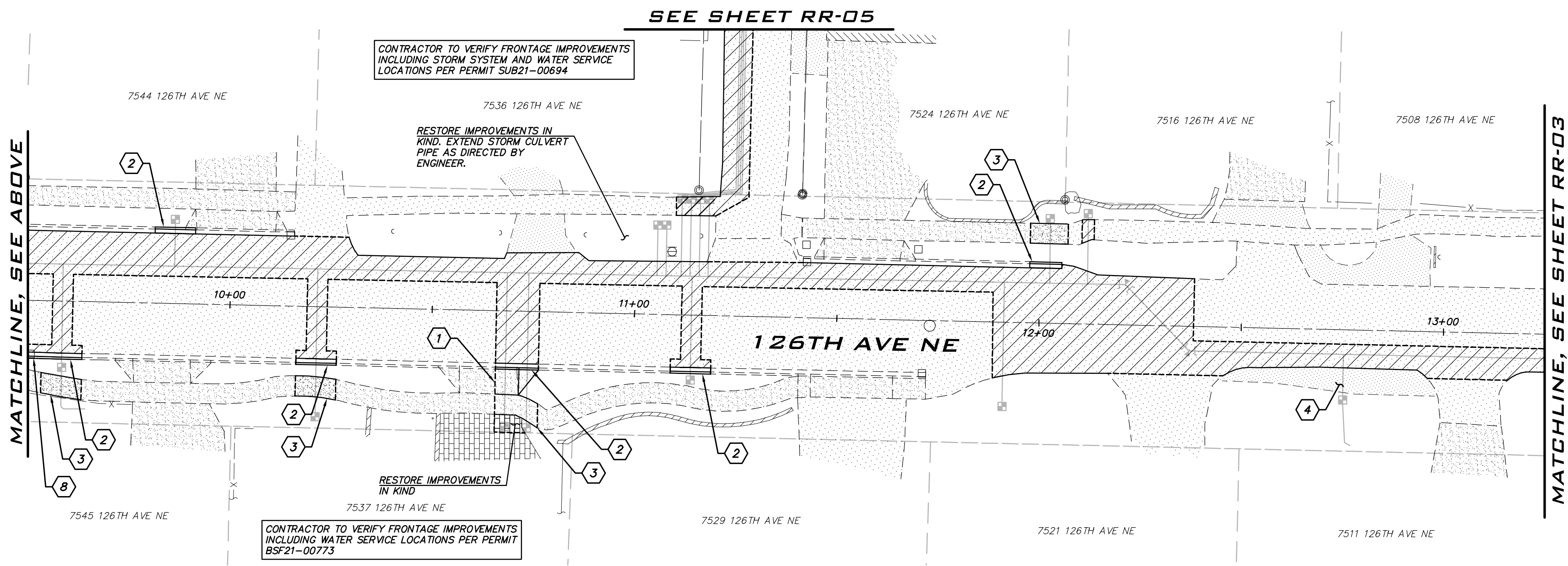
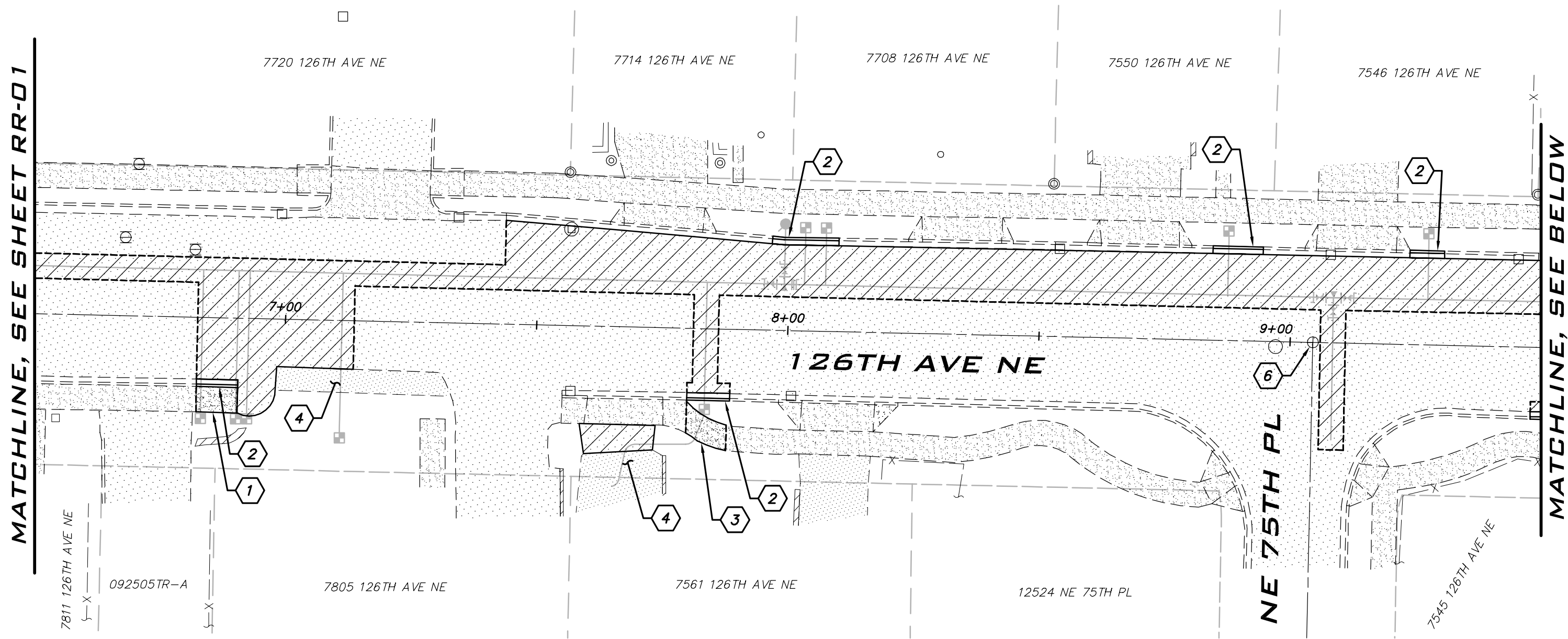
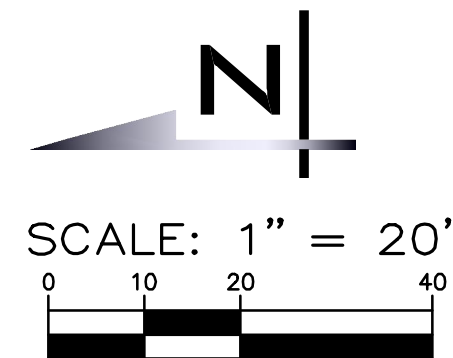
RESTORATION NOTES

1. THE LOCATION OF THE PAVEMENT RESTORATION SHOWN IS APPROXIMATE ONLY AND THE EXACT LOCATION SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION INSPECTOR DURING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR BARRICADES AND SIGNS OR OTHER NOTIFICATIONS AS APPROPRIATE IN ORDER TO ENSURE THAT RESIDENTS REMOVE VEHICLES OR OTHER OBSTRUCTIONS FROM THE ROAD PRIOR TO PAVEMENT RESTORATION.
3. ADJUST ALL NEW AND EXISTING CASTINGS WITHIN ASPHALT PATCHES TO GRADE PER CITY STANDARD DETAILS.
4. REPLACE EXISTING SEWER MANHOLE CASTINGS WITHIN HMA PATCH PER COK STD PLAN CK-S.16 AS DIRECTED BY THE CITY INSPECTOR.
5. REPLACE EXISTING STORM MANHOLE CASTINGS WITHIN HMA PATCH PER COK STD PLAN CK-D.18A AS DIRECTED BY THE CITY INSPECTOR.
6. CONTRACTOR TO SAWCUT TRENCHES PRIOR TO EXCAVATION. MAKE SEPARATE SAWCUT MIN. 1' WIDTH PATCHING ALONG TRENCH PER COK STD PLAN CK-R.12.

LEGEND

- HMA PATCH PLACED IN MAX 3" LIFTS OVER 6" CSTC COMPACTED TO 95%.
HMA THICKNESS PER COK STD PLAN CK-R.12.
- CEMENT CONCRETE SIDEWALK OVER 4" CSTC.

BLUELINE JOB #21-247





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- 10) RESTORE EXISTING CONCRETE PAVER WALL TO ORIGINAL CONDITION.

RESTORATION NOTES

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5. REPLACE EXISTING STORM MANHOLE CASTINGS WITHIN HMA PATCH PER COK STD PLAN CK-D.18A AS DIRECTED BY THE CITY INSPECTOR.
6. CONTRACTOR TO SAWCUT TRENCHES PRIOR TO EXCAVATION. MAKE SEPARATE SAWCUT MIN. 1' WIDTH PATCHING ALONG TRENCH PER COK STD PLAN CK-R.12.

LEGEND

-  HMA PATCH PLACED IN MAX 3" LIFTS OVER 6" CSTC COMPACTED TO 95%. HMA THICKNESS PER COK STD PLAN CK-R.12.
-  CEMENT CONCRETE SIDEWALK OVER 4" CSTC.

BLUELINE JOB #21-247



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

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APPROVED BY:

DATE:

KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

**126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT**

ROAD RESTORATION PLAN

SHEET:

20 OF 26

SCALE:

AS SHOWN

FILENAME:

RR-02

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126TH AVE NE WATER MAIN IMPROVEMENT PROJECT

ROAD RESTORATION PLAN

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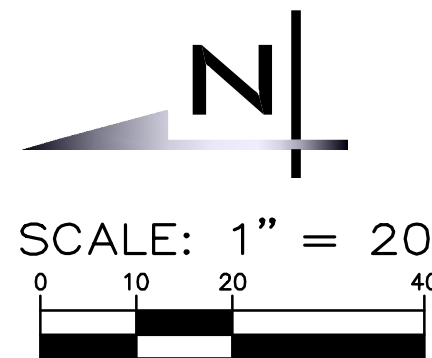
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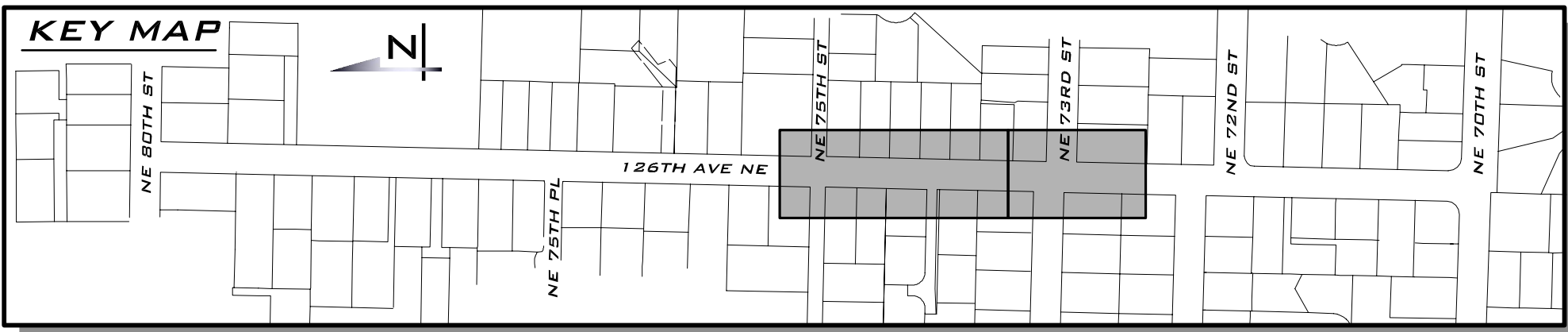
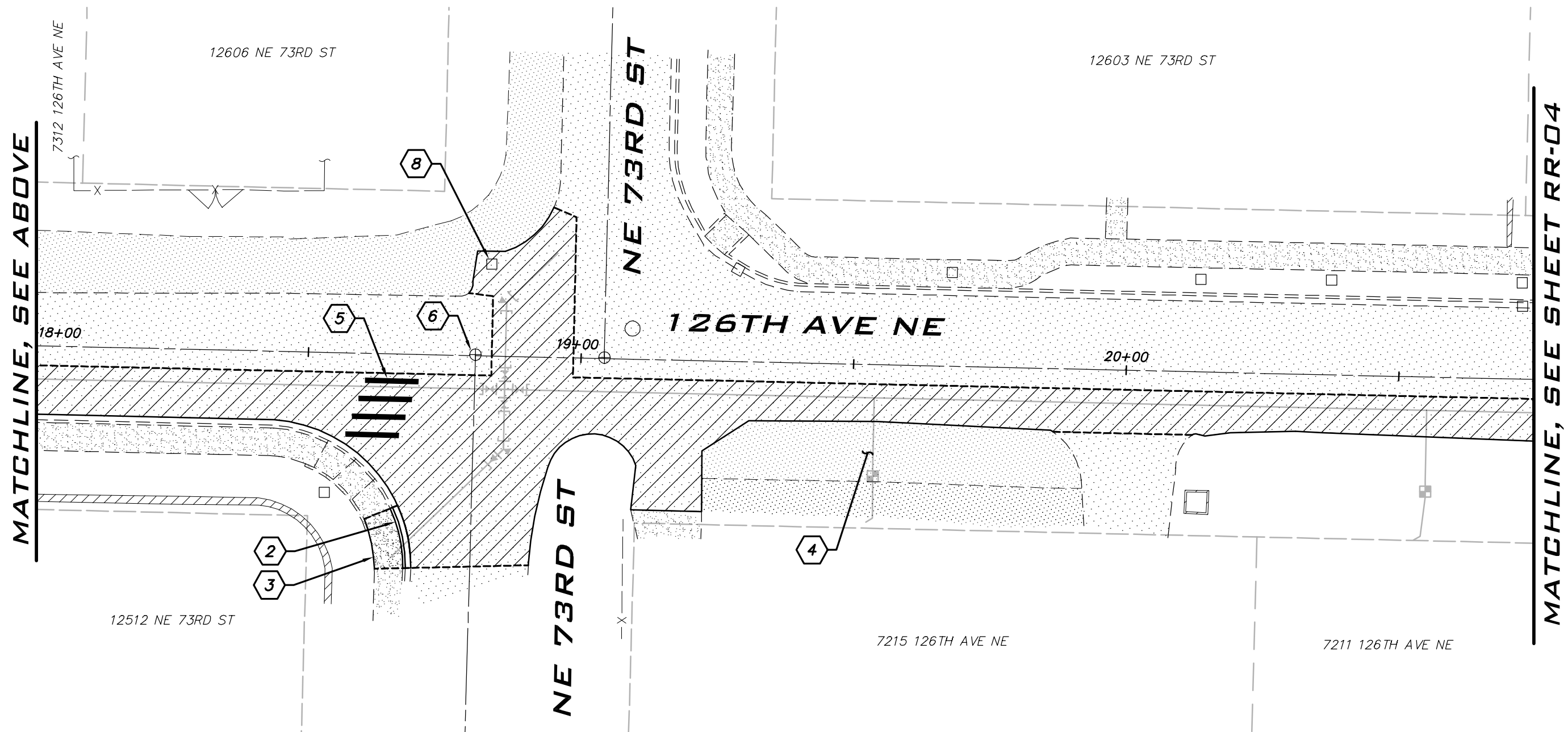
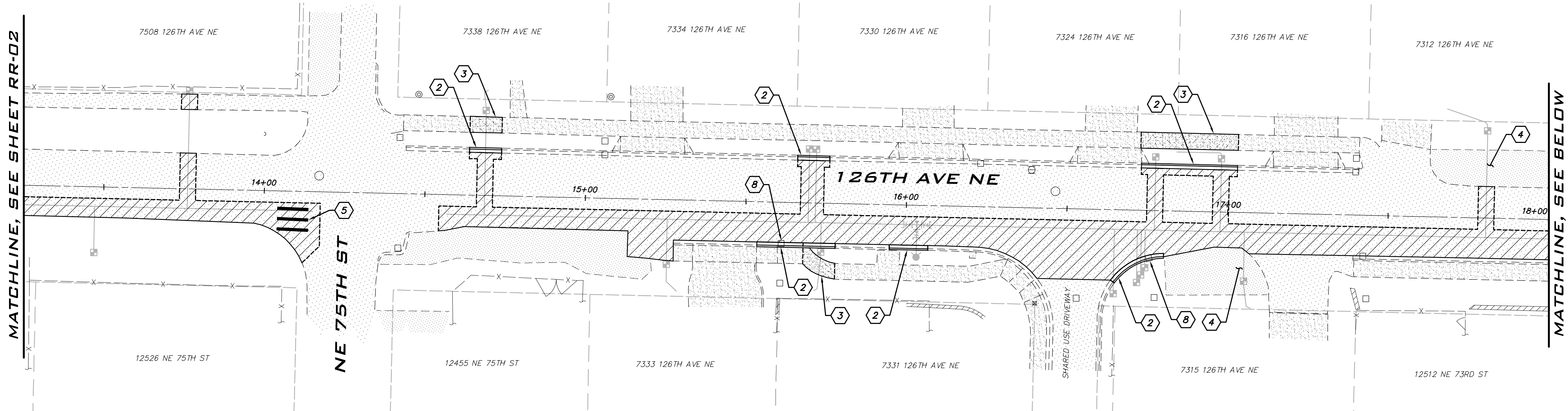
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BLUELINE

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WWW.THEBLUELINEGROUP.COM



NOTES

- 1) CEMENT CONCRETE DRIVEWAY PER COK STD PLAN CK-R.21. REPLACE TO THE NEAREST JOINT.
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- 10) RESTORE EXISTING CONCRETE PAVER WALL TO ORIGINAL CONDITION.

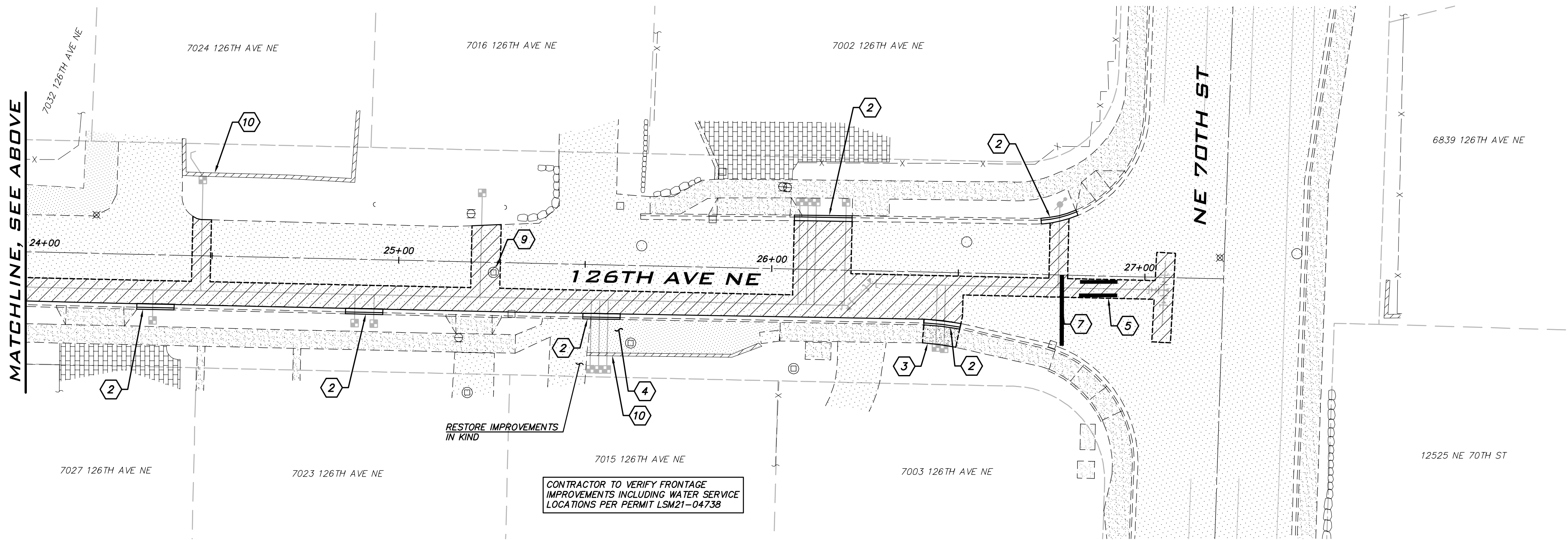
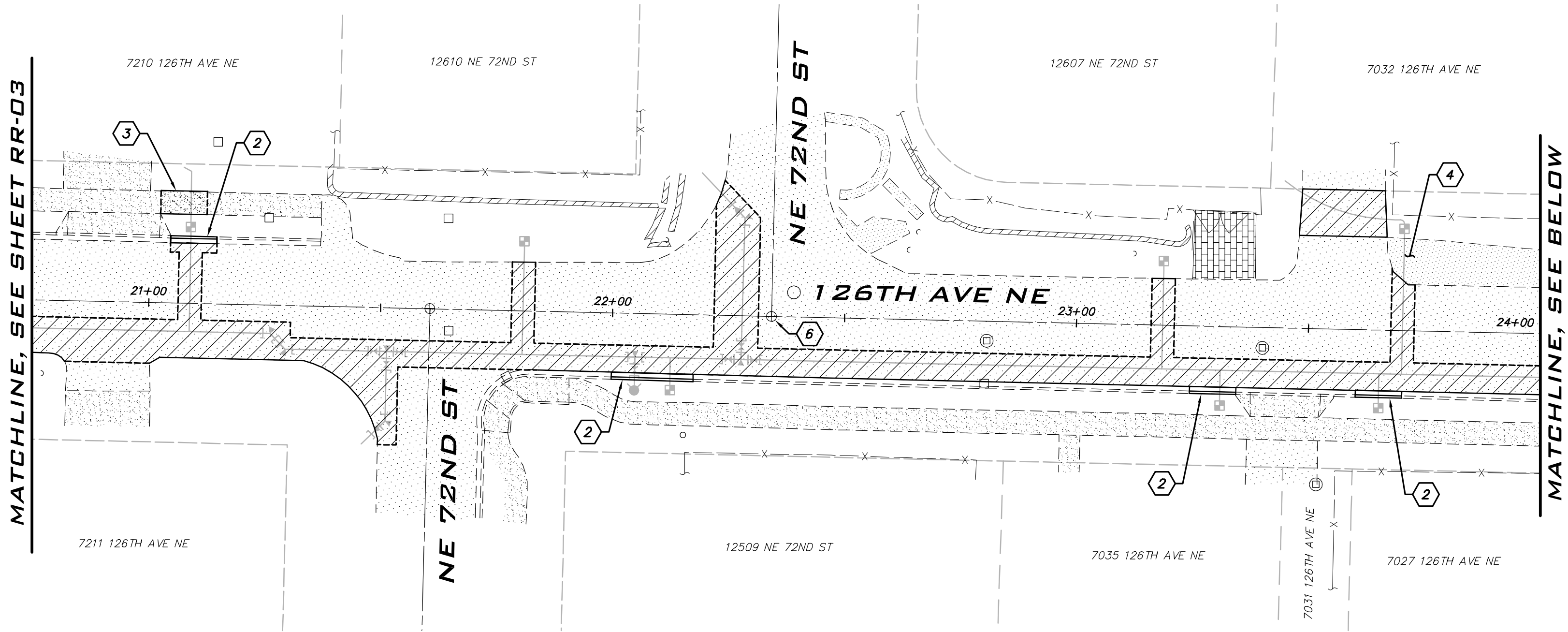
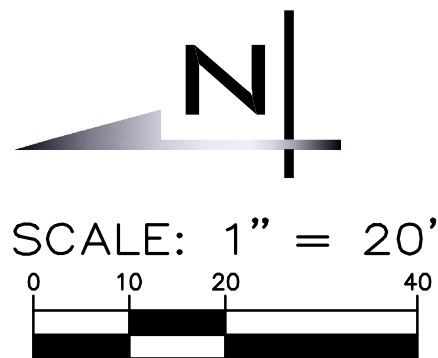
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6. CONTRACTOR TO SAWCUT TRENCHES PRIOR TO EXCAVATION. MAKE SEPARATE SAWCUT MIN. 1' WIDTH PATCHING ALONG TRENCH PER COK STD PLAN CK-R.12.

LEGEND

- HMA PATCH PLACED IN MAX 3" LIFTS OVER 6" CSTC COMPACTED TO 95%.
HMA THICKNESS PER COK STD PLAN CK-R.12.
- CEMENT CONCRETE SIDEWALK OVER 4" CSTC.

BLUELINE JOB #21-247



NOTES

- 1) CEMENT CONCRETE DRIVEWAY PER COK STD PLAN CK-R.21. REPLACE TO THE NEAREST JOINT.
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LEGEND

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- CEMENT CONCRETE SIDEWALK OVER 4" CSTC.

BLUELINE JOB #21-247



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

DATE:

KAI POPE, EIT 8/10/22
DESIGNED BY: DATE

CAROL DOGGETT 8/10/22
DRAWN BY: DATE

ROB DAHN, PE 8/10/22
CHECKED BY: DATE

126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT

ROAD RESTORATION PLAN

SHEET:

22 OF 26

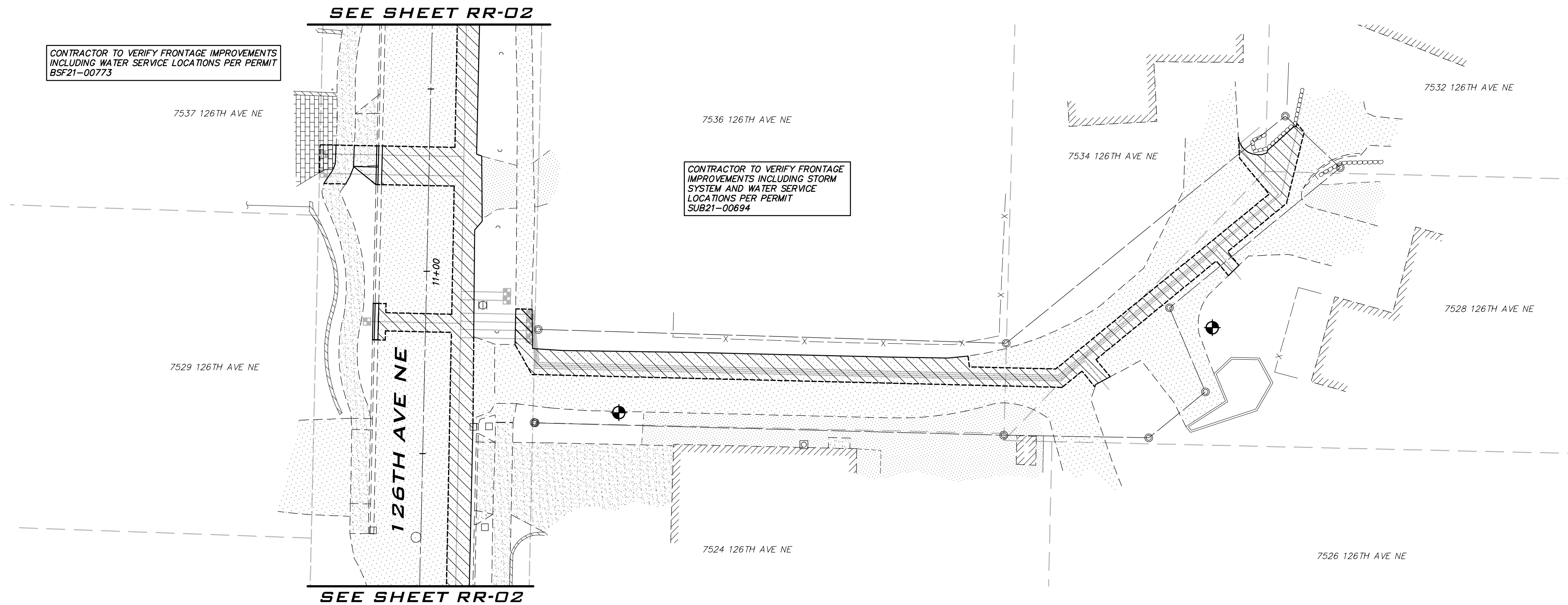
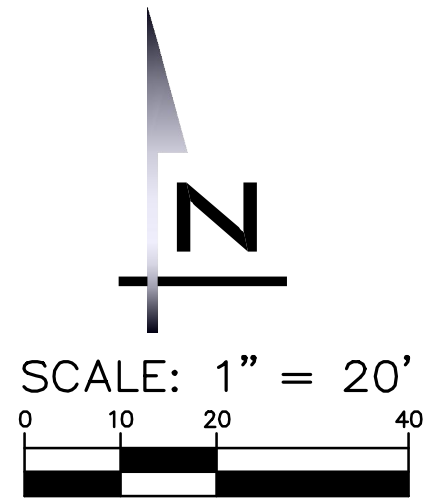
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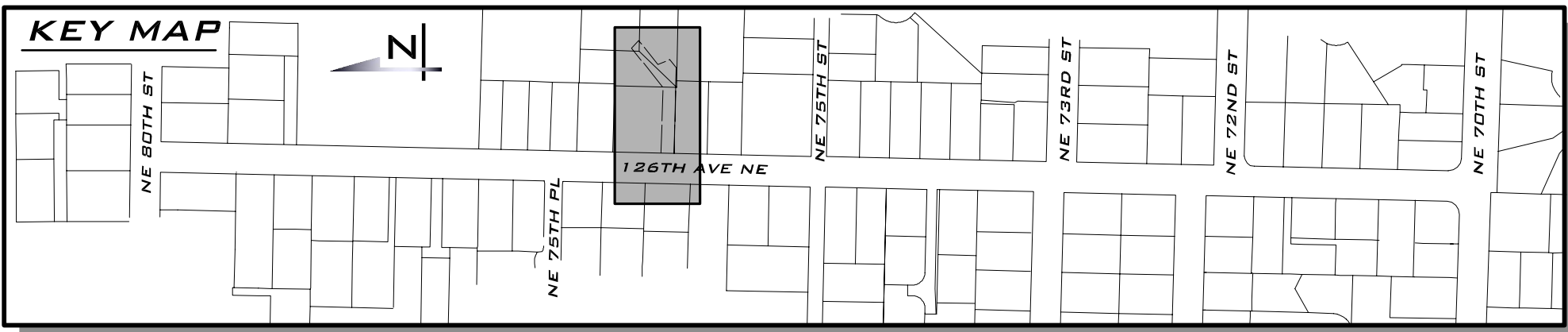
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LEGEND

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BLUELINE JOB #21-247

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CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
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**126TH AVE NE WATER MAIN
IMPROVEMENT PROJECT**

ROAD RESTORATION PLAN

SHEET:
23 OF 26
SCALE:
AS SHOWN
FILENAME:
RR-05

