

SHEET LIST

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LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	---	MAJOR CONTOUR LINE
---	---	MINOR CONTOUR LINE
---	---	PROPERTY LINE
---	---	RIGHT OF WAY LINE
---	---	WATER LINE
---	---	SANITARY SEWER LINE
---	---	STORM DRAIN LINE
---	---	GAS LINE
---	---	UNDERGROUND POWER LINE
---	---	OVERHEAD POWER LINE
---	---	TELEPHONE LINE
---	---	FIBER OPTIC LINE
---	---	TV CABLE LINE
---	---	WOOD FENCE
---	---	ABANDON LINE
---	---	WATER METER
---	---	FIRE HYDRANT
---	---	WATER GATE VALVE
---	---	WATER REDUCER
---	---	WATER FITTINGS
---	---	WATER BUTTERFLY VALVE
---	---	WATER SLEEVE
---	---	CAP
---	---	THRUST BLOCK
---	---	BLOW OFF ASSEMBLY
---	---	AIR VAC ASSEMBLY
---	---	CLEAN OUT
---	---	SANITARY MANHOLE
---	---	STORM DRAIN MANHOLE
---	---	STORM DRAIN CATCH BASIN
---	---	GAS VALVE
---	---	POWER POLE
---	---	GUY ANCHOR
---	---	LIGHT POLE
---	---	DECORATIVE LIGHT
---	---	WATER VAULT
---	---	ELECTRICAL VAULT
---	---	ELECTRIC JUNCTION BOX
---	---	TELEPHONE RISER
---	---	TELEPHONE JUNCTION BOX
---	---	TELEVISION RISER
---	---	SIGN
---	---	MONUMENT
---	---	ROCKERY
---	---	ROCK/ROCK WALL
---	---	MAIL BOX(ES)
---	---	CONIFER TREE
---	---	DECORATIVE TREE
---	---	DECIDUOUS TREE
---	---	SHRUB
---	---	HEDGE
---	---	RETAINING WALL
---	---	CEMENT CONCRETE PAVEMENT
---	---	PATTERNED CONCRETE OR BRICKS
---	---	CEMENT CONCRETE CURB, GUTTER
---	---	GRAVEL
---	---	CDF CASING
---	---	BENCHMARK
---	---	POT HOLE

ABBREVIATIONS

ABAND	ABANDON
AC	ASBESTOS CEMENT
ADA	AMERICAN'S WITH DISABILITIES ACT
ARV	COMBINATION AIR RELEASE VALVE
ASSY	ASSEMBLY
ATB	ASPHALT TREATED BASE
AVE	AVENUE
BFNC	BARBED FENCE
BFV	BUTTERFLY VALVE
BO	BLOWOFF
CATV	CABLE TV
CB	CATCH BASIN
CHNL	CHANNEL
CLFNC	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONN	CONNECTION
CPP	CORRUGATED PLASTIC PIPE
CTR	CENTER
CWN	CROWN ELEVATION
CL	CENTER LINE
DEG	DEGREE
DI	DUCTILE IRON
DTL	DETAIL
ELEV	ELEVATION
EX	EXISTING
FH	FIRE HYDRANT
FL	FLANGE
G	GAS
GV	GATE VALVE
HORZ	HORIZONTAL
ICV	IRRIGATION CONTROL VALVE
IE/INV	INVERT ELEVATION
LAT	LATERAL
LDCC	LOW DENSITY CELLULAR CONCRETE
LF	LINEAR FEET
LT	LEFT
MJ	MECHANICAL JOINT
MON	MONUMENT
MPH	MILES PER HOUR
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL VEHICLES
NE	NORTHEAST
NTS	NOT TO SCALE
NUD	NORTHSHORE UTILITY DISTRICT
OFF	OFFSET
PH	POT HOLE
PL	PLACE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PW	PUBLIC WORKS
RD	ROAD
RET	RETENTION
RJ	RESTRAINED JOINT
ROW	RIGHT OF WAY
RPM	RAISED PAVEMENT MARKER
RT	RIGHT
SD	STORM DRAIN
SDMH	STORM DRAIN MAN HOLE
SHT	SHEET
SRFNC	SPLIT RAIL FENCE
SS	SANITARY SEWER
SSMH	SEWER MAN HOLE
ST	STREET
STA	STATION
STD	STANDARD
TB	THRUST BLOCK
TBM	TEMPORARY BENCH MARK
TCP	TRAFFIC CONTROL PLAN
TESC	TEMPORARY EROSION AND SEDIMENTATION CONTROL
W	WATER, WEST
WA	WASHINGTON
WAC	WASHINGTON ADMINISTRATIVE CODE
WS	WATER SERVICE
WV	WATER VALVE
W/	WITH
YD	YARD

Plotted By: Kim, Jenna Sheet No: 122-84 Base Map: 122-84 Legend and Abbreviations.dwg

NO	BY	APPD	REVISION	DATE
1				
2				
3				
4				
5				

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS

SHEET INDEX, LEGEND, ABBREVIATIONS

BASE MAP K6
 C2305
 SHEET
 2 OF 50

Kimley»Horn

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GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CURRENT NORTHSORE UTILITY DISTRICT STANDARD SPECIFICATIONS AND STANDARD DETAILS.
- THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE PLANS FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF UTILITY LOCATIONS SHOWN, FOR THE PROTECTION AND REPAIR OF DAMAGED UTILITIES AND FOR THE DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE LOCATED, BY THE APPROPRIATE UTILITY DISTRICTS OR COMPANIES, ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. FOR UTILITY LOCATES IN KING COUNTY, CALL 1-800-424-5555 PRIOR TO DIGGING.
- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD AT THE DISTRICT OFFICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY NUD A MINIMUM OF FIVE (5) BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION. CONSTRUCTION SHALL NOT BEGIN WITHOUT PRIOR WRITTEN NOTICE TO PROCEED BY THE DISTRICT.
- THE CONTRACTOR SHALL NOT OPERATE ANY VALVES OR MAKE ANY CONNECTIONS TO THE EXISTING WATER SYSTEM WITHOUT PRIOR APPROVAL FROM THE DISTRICT.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS REQUIRED TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH ALL PERMIT CONDITIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. THEREFORE, THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK IN THE ROW. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MUTCD OR AS MODIFIED BY THE TRAFFIC ENGINEER.

TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES

- THE TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) FACILITIES SHALL BE IMPLEMENTED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. MAINTENANCE, REPLACEMENT, AND UPGRADE OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE STORM DRAIN INLET PROTECTION DEVICE SHALL BE SILT SACK OR EQUAL. ALL CATCH BASINS WITHIN THE VICINITY OF THE CONSTRUCTION SHALL HAVE INLET PROTECTION MEASURES.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE CHANNELS, CULVERTS, SWALES AND STRUCTURES. WHENEVER EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE SUITABLE MEANS FOR DIVERTING AND MAINTAINING ALL FLOWS DURING CONSTRUCTION IN THAT AREA AT ITS EXPENSE. AFTER CONSTRUCTION HAS BEEN COMPLETED, ALL DRAINAGE CHANNELS, CULVERTS, SWALES AND STRUCTURES DISTURBED SHALL BE RETURNED TO THEIR ORIGINAL CONDITIONS.
- THE TESC FACILITIES SHOWN IN THE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, TESC FACILITIES SHALL BE MAINTAINED AND UPGRADED AS NECESSARY BY THE CONTRACTOR.
- CONTRACTOR SHALL INSPECT THE TESC FACILITIES AT THE END OF EACH WORKING DAY TO ASSURE ITSELF THAT THEY ARE IN GOOD CONDITIONS. IF TESC FACILITIES REQUIRE REPAIR/MAINTENANCE, IT SHALL BE PERFORMED PRIOR TO THE END OF THE WORKING DAY. ALL DISTURBED AREAS SHALL BE PROMPTLY AND THOROUGHLY STABILIZED AGAINST EROSION DURING PERIODS OF WET WEATHER WHEN WORK IS NOT BEING PERFORMED AT THE SITE.
- ALL UNSUITABLE OR SURPLUS EXCAVATED OR CLEARED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN AN APPROVED, LEGAL FILL SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ACCEPTABLE DISPOSAL SITES AND ASSURE THAT ALL SURPLUS MATERIAL IS DISPOSED OF IN SAME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL APPROPRIATE MEASURES NEEDED (STREET SWEEPERS, WATER TRUCKS, ETC.) TO KEEP STREETS AND ROADS USED AS HAUL ROUTES FOR EXPORT OR IMPORT OF MATERIAL CLEAN AND FREE FROM DEBRIS, MUD, ETC. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

WATER GENERAL NOTES:

- POTHOLE ALL EXISTING UTILITIES AT LEAST 6 WORKING DAYS PRIOR TO SAWCUTTING AND AHEAD OF PIPE LAYING ACTIVITIES TO CONFIRM ELEVATION AND ALLOW CLEARANCES TO BE ACHIEVED USING JOINT DEFLECTION. RECORD THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ON THE FIELD PLANS. NOTIFY THE ENGINEER IMMEDIATELY OF POTENTIAL UTILITY CONFLICTS.
- LOCATE AND POTHOLE ALL WATER MAIN CONNECTION POINTS PRIOR TO EXCAVATION TO VERIFY LOCATION, MATERIAL AND ELEVATION. NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES.
- POTHOLE THE LOCATION OF EACH PROPOSED HYDRANT AND CROSSING EXISTING UTILITIES TO VERIFY THE REQUIRED HYDRANT LOCATION AND BURY DEPTH TO AVOID VERTICAL BENDS AND CONFLICTS WITH EXISTING UTILITIES. POTHOLING SHALL BE DONE EARLY ENOUGH TO ALLOW PROPER DEPTH HYDRANTS AND FITTINGS TO BE ORDERED. PROPOSED WATER MAIN AND FIRE HYDRANT LATERALS SHALL BE INSTALLED BELOW THE EXISTING MAIN. CONTRACTOR IS REQUIRED TO DETERMINE IF NEW WATER MAIN NEEDS TO BE INSTALLED DEEPER THAN SHOWN IN PLANS TO ACCOMPLISH THIS.
- CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED FOR UTILITY RELOCATIONS PERFORMED FOR THE CONTRACTOR'S CONVENIENCE.
- UTILITY POLES AND STREET LIGHTS LOCATED ADJACENT TO THE TRENCH OR IMPROVEMENTS SHALL BE TEMPORARILY SUPPORTED WHILE THE WORK IS COMPLETED. COORDINATE SUPPORT OF POLES AND STREET LIGHTS WITH UTILITY OWNER PRIOR TO CONSTRUCTION AND PROVIDE SUPPORT AT NO ADDITIONAL COST.
- ALL NEW WATER MAIN SHALL BE RESTRAINED JOINT (RJ) PIPE; U.S. PIPE "HDSS", OR MCWANE "TR-FLEX" PER NUD STANDARDS AND SPECIFICATIONS.
- LENGTH OF WATER MAIN SHOWN ON PLANS ARE APPROXIMATE DISTANCES BETWEEN FITTINGS, CENTER TO CENTER.
- COORDINATE AND CONFIRM FITTING REQUIREMENTS IN THE FIELD WITH NUD PRIOR TO CONSTRUCTION.
- TRENCHES SHALL BE PER NUD STD DTL 12/SHT 30. CARE SHALL BE USED WHEN EXCAVATING NEAR CHARGED WATER MAINS. SEE SPECIFICATIONS SECTIONS 10.27 AND 10.28 FOR COMPACTION TESTING REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING COMPACTION TESTS AND ALL COSTS ASSOCIATED WITH TESTING.
- WHEN WATER MAIN PASSES UNDER EXIST. SEWER, INSTALL WATER MAIN SO SEWER ABOVE IS CENTERED BETWEEN WATER JOINTS AND ENCASE WATER MAIN IN POLYETHYLENE AND CDF. CDF SHALL EXTEND 10-FT ON EITHER SIDE OF CROSSING, UNLESS NOTED OTHERWISE.

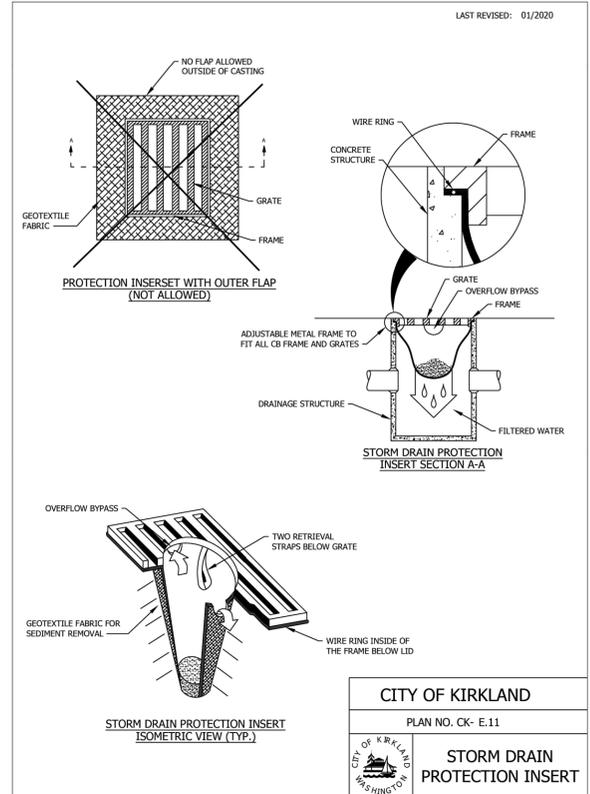
- WHEN WATER MAIN PASSES UNDER EXISTING STORM, INSTALL WATER MAIN SO THE PIPE ABOVE IS CENTERED BETWEEN WATER MAIN PIPE JOINTS.
- MAINTAIN MIN. 1 FOOT VERTICAL SEPARATION BETWEEN WATER MAIN AND OTHER UTILITIES UNLESS OTHERWISE SHOWN. INSTALL ETHAFOAM 220 PAD TO PREVENT UTILITIES FROM BEARING ON WATER MAIN WHERE SEPARATION IS LESS THAN 1 FOOT.
- THE MAXIMUM ALLOWABLE INSTALLED PIPE DEFLECTION AT JOINTS SHALL BE HALF THE MANUFACTURER'S ALLOWABLE DEFLECTION UNLESS NOTED OTHERWISE.
- WATER MAIN CONNECTIONS SHALL BE MADE WITH THE MINIMUM NUMBER OF SHUTDOWNS NECESSARY. COORDINATE CONNECTIONS AND TRANSFER OF SERVICE TO NEW WATER MAIN WITH DISTRICT TO MINIMIZE SERVICE DISRUPTIONS.
- CONTRACTOR IS RESPONSIBLE FOR THE PROPER REMOVAL, HANDLING, AND DISPOSAL OF AC PIPE.
- CONNECT TO EXISTING WATER SERVICE LINES ON THE PRIVATE PROPERTY SIDE OF THE EXISTING WATER METER WHEN A PROPOSED METER IS INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL WATER SERVICE PIPING SHALL BE INSPECTED AND APPROVED PRIOR TO BACKFILLING TRENCH.
- REMOVE THE EXISTING WATER METER AND METER BOX, AND RESTORE THE SURROUNDING AREA TO MATCH PRE-CONSTRUCTION CONDITIONS (I.E., SOD, MULCH, SIDEWALK, LANDSCAPING, ETC.). ABANDON EXISTING WATER SERVICE LINE IN PLACE AND TURN OFF CORP STOP TO ABANDON SERVICE AT METER.
- EXISTING WATER MAIN SHALL BE ABANDONED AND FILLED WITH LDCC. OPEN OR CLOSE BRANCH VALVES AND INLINE VALVES AS DIRECTED BY THE DISTRICT. REMOVE AND DISPOSE OF EXISTING BLOW-OFF ASSEMBLIES, ARV ASSEMBLIES, AND VALVE BOXES.
- EXISTING TREES AND AND OTHER VEGETATION BEYOND THE WORK LIMITS SHALL BE PROTECTED THROUGHOUT THE WORK. DAMAGE WHICH MAY REQUIRE REPLACEMENT OF THE VEGETATION AT NO ADDITIONAL COST TO THE OWNER INCLUDES BROKEN BRANCHES, BARK DAMAGE, EXPOSED ROOT SYSTEMS, CUT ROOT SYSTEMS, OR OTHER IMPACTS THAT MAY JEOPARDIZE PLANT OR TREE SURVIVAL.
- WHEN LARGE ROOTS (2-INCHES IN DIAMETER OR GREATER) ARE EXPOSED, THEY SHALL BE WRAPPED AND PROTECTED FROM EXCESSIVE DRYING. ALL MATERIALS SHALL BE REMOVED FROM THE ROOTS BEFORE ROOTS ARE RE-BURIED. ROOTS 2-INCHES IN DIAMETER OR GREATER SHALL NOT BE CUT WITHOUT CONSULTING THE PW CITY ARBORIST.
- 3-FT MIN. COVER IS REQUIRED OVER 8-INCH AND SMALLER WATER MAIN. 4-FT MIN. COVER IS REQUIRED OVER WATER MAIN LARGER THAN 8-INCH DIAMETER.

CITY OF KIRKLAND ROADWAY - PLAN NOTES

- ALL ROADWAY WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CURRENT APWA AND CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.
- ALL PUBLIC ROADWAYS SHALL BE CONSTRUCTED OF 2" CLASS "B" AC PAVING ON 4" ASPHALT-TREATED BASE (ATB), UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DEPARTMENT.
- A COPY OF THE APPROVED ROADWAY PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 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.
- ALL RESIDENTIAL DRIVEWAYS MUST CONFORM TO THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS DRIVEWAY POLICY.
- ALL CONCRETE FOR SIDEWALKS AND CURB AND GUTTER MUST BE 4,000 PSI MINIMUM. (5-3/4 SACK MIX.)
- IN THE CASE OF NEW ROAD CONSTRUCTION OR RECONSTRUCTION REQUIRING MAILBOXES TO BE MOVED OR REARRANGED, THE CONTRACTOR SHALL COORDINATE WITH THE U.S. POSTAL SERVICE FOR THE NEW LOCATION OF THE MAILBOX STRUCTURE.
- ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED TO MEET THE CURRENT CITY OF KIRKLAND STANDARDS.
- SIDEWALK AND CURB AND GUTTER CANNOT BE POURED MONOLITHICALLY. THERE MUST BE A COLD JOINT OR FULL-DEPTH EXPANSION JOINT BETWEEN THEM.
- MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROVIDE GROUND COVER IN AREAS WITHIN THE ROW WHICH HAVE BEEN STRIPPED OF NATURAL VEGETATION OR HAVE A POTENTIAL FOR EROSION.
- 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.
- ALL NEW SIGNS REQUIRED IN THE PUBLIC ROW MUST BE PURCHASED FROM, AND INSTALLED BY, THE CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT.
- ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO FINAL INSPECTION.
- 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.
- 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.
- CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
- COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERS RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
- CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

CITY OF KIRKLAND PERMIT REQUIREMENTS - GENERAL CONDITIONS

- REQUESTS FOR THE JOB START NOTIFICATION AND OTHER INSPECTIONS MUST BE BY 6 PM ON THE DAY PRIOR TO THE NOTIFICATION/INSPECTION. THE NOTIFICATION/INSPECTION SHOULD BE REQUESTED ONLINE BY USING WWW.MYBUILDINGPERMIT.COM.
- AFTER THE WORK HAS BEEN COMPLETED, INCLUDING FINAL RESTORATION, A FINAL INSPECTION IS REQUIRED TO CLOSE OUT THE PERMIT. REQUESTS FOR THE FINAL INSPECTION MUST BE BY 6 PM OF THE DAY PRIOR TO THE INSPECTION. THE INSPECTION SHOULD BE REQUESTED ONLINE BY USING WWW.MYBUILDINGPERMIT.COM.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE ORDINANCES OF THE CITY OF KIRKLAND AND THE RULES AND REGULATIONS OF THE PUBLIC WORKS DEPARTMENT.
- A MINIMUM OF 5' HORIZONTAL AND 18' VERTICAL SEPARATION FROM ALL WATER, SEWER, AND STORM MAINS IS REQUIRED. MINIMUM 36" DEPTH IS REQUIRED. ALL UTILITIES MUST BE POTHOLED FOR CROSSINGS.
- ALL CONSTRUCTION ACTIVITY WITHIN THE PUBLIC ROW SHALL HAVE TRAFFIC CONTROL SIGNING AND FLAGGING PER THE STANDARDS WITHIN THE MUTCD. THE PUBLIC WORKS INSPECTOR MAY PLACE A "STOP WORK ORDER" ON ANY CONSTRUCTION ACTIVITY WITHIN THE PUBLIC ROW WHICH FAILS TO CONFORM TO THE MUTCD.
- NO STEEL SHEETS ARE ALLOWED IN ROW OVER WEEKEND OR ON CITY CLOSURE DAYS. SHEETS MUST BE REMOVED AND ASPHALT PATCHING IN PLACE BEFORE 3 PM FRIDAY.
- NO UTILITY WORK IN THE ROW AFTER 12:00 PM ON FRIDAYS; RESTORATION ONLY.
- IF SIDEWALKS OR CROSSWALKS ARE BLOCKED, PROVIDE ADVANCE WARNING TO PEDESTRIANS: 1) "SIDEWALK/CROSSWALK CLOSED AHEAD, USE OTHER SIDE" TO BE PLACED AT THE NEAREST CROSSINGS ON EITHER SIDE OF THE WORK ZONE, SO THAT PEDESTRIANS CAN SAFELY CROSS TO THE OTHER SIDE, AND 2) "SIDEWALK CLOSED" ON EITHER SIDE OF CLOSED SIDEWALK ZONE. DO NOT BLOCK THE SIDEWALK WITH EQUIPMENT OR TRAFFIC CONTROL SIGNS UNLESS YOU HAVE A CLOSURE ROUTE IN PLACE.
- IF BIKE LANES ARE CLOSED, PROVIDE ADVANCE WARNING TO BICYCLISTS: 1) "BIKE LANE CLOSED AHEAD" AND 2) "BIKES MERGE W/ TRAFFIC".
- THE TRIM PRUNING OF CITY STREET TREES IN THE PUBLIC ROW IS TO BE PERFORMED BY THE PW CITY ARBORIST. THE PUBLIC WORKS ARBORIST CAN BE REACHED AT 425-587-3908. ANY TREE FENCING ENCOUNTERED MUST NOT BE DISTURBED.
- ADEQUATE DRAINAGE PROTECTION MUST BE PROVIDED FOR ADJACENT PROPERTIES. THE CONTRACTOR MUST CONTROL RUNOFF TO ENSURE ACTIVITIES WILL NOT CAUSE NUISANCE OR ADVERSE IMPACT TO ADJACENT PRIVATE AND PUBLIC PROPERTY. STREETS AND STORM DRAINS SHALL BE KEPT CLEAN: 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 MAY BE CHARGED ALL COSTS ASSOCIATED WITH THE CLEAN-UP AND MAY ALSO BE ASSESSED MONETARY PENALTIES (KMC 1.12.200). THE MINIMUM PENALTY IS \$500. 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.
- CONSTRUCTION DRAINAGE CONTROL SHALL BE MAINTAINED BY THE CONTRACTOR AND SUBJECT TO PERIODIC INSPECTIONS. DURING THE PERIOD FROM MAY 1 TO SEPTEMBER 30, ALL DENUDED SOILS MUST BE COVERED WITHIN 7 DAYS; BETWEEN OCTOBER 1 AND APRIL 30, ALL DENUDED SOILS MUST BE COVERED WITHIN 12 HOURS. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BASED ON SITE AND WEATHER CONDITIONS. EXPOSED SOILS SHALL BE STABILIZED AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.



CITY OF KIRKLAND - PERMIT SPECIFIC CONDITIONS

- A PRECONSTRUCTION MEETING OR CALL IS REQUIRED. REQUEST A PRE-CONSTRUCTION MEETING BY USING THE "SCHEDULE INSPECTION" AT MYBUILDINGPERMIT.COM, SELECTING KIRKLAND AS THE JURISDICTION, ENTERING THE PERMIT NUMBER OR THE ADDRESS, AND SELECTING "PW-PRECON". THIS IS IN ADDITION TO THE JOB START NOTIFICATION.
- BEFORE WORK CAN COMMENCE, A TCP MUST BE SUBMITTED AND APPROVED FOR THE WORK THAT WILL BE AFFECTING ARTERIALS AND COLLECTORS (IE 84TH AVE NE). WORK HOURS MAY BE AFFECTED AS WELL.
- ALL CLOSURES MUST ALSO BE APPROVED BY THE CITY'S ASSIGNED PUBLIC WORKS INSPECTOR AT LEAST 14 CALENDAR DAYS IN ADVANCE OF THE CLOSURE DATE.
- THREE OR MORE PATCHES IN THE ASPHALT ROADWAY WITHIN 150 FEET OF EACH OTHER, OR A TRENCHLINE PARALLEL TO CENTERLINE, OR A NEW OVERLAY LESS THAN 5 YEARS OLD TRIGGERS A REQUIREMENT FOR 2" GRIND AND ASPHALT OVERLAY RESTORATION. CITY OF KIRKLAND INSPECTOR WILL PROVIDE GUIDANCE TO OVERLAY EXTENT, IF NEEDED, AFTER UTILITIES HAVE BEEN INSTALLED. IF A GRIND AND OVERLAY IS DIRECTLY ADJACENT TO A DRIVEWAY APPROACH/WHEELCHAIR RAMP, THAT APPROACH OR RAMP WILL NEED TO BE BROUGHT UP TO CURRENT ADA STANDARDS.
- CUTTING OR POTHOLING A PORTION OF A DRIVEWAY APPROACH OR WHEELCHAIR RAMP, INCLUDING THE WINGS, COULD TRIGGER A REQUIREMENT TO UPGRADE THE ENTIRE APPROACH OR RAMP TO CURRENT ADA STANDARDS. THIS COULD ALSO INCLUDE BRINGING THE EXISTING DRIVEWAY BEHIND THE SIDEWALK TO CURRENT STANDARD AS WELL. THE INSPECTOR SHALL DETERMINE IF IT CAN BE FIELD-DESIGNED OR IF AN ENGINEERED DESIGN WILL BE REQUIRED.
- UNLESS AN APPROVED PEDESTRIAN OR BICYCLE LANE DETOUR ROUTE HAS BEEN APPROVED BY THE CITY, ALL SIDEWALKS AND BICYCLE LANES SHALL BE TEMPORARILY REPAIRED AT THE END OF EACH DAY ACCORDING TO THE FOLLOWING (SEE UTILITY POLICY G-6 FOR A LIST OF STREET CLASSIFICATIONS):
 - ARTERIAL AND COLLECTOR TYPE STREETS: SIDEWALKS AND BICYCLE LANES SHALL BE RESTORED TEMPORARILY AT THE END OF EACH DAY WITH A COLD-MIX ASPHALT OR STEEL PLATES.
 - NEIGHBORHOOD ACCESS TYPE STREETS: SIDEWALKS CAN BE RESTORED TEMPORARILY AT THE END OF EACH DAY WITH A CRUSHED ROCK SURFACE. A CRUSHED ROCK RESTORATION WILL BE ALLOWED FOR UP TO THREE WORKING DAYS. AFTER THREE WORKING DAYS, IF THE SIDEWALK IS NOT REPAIRED PERMANENTLY, A COLD-MIX ASPHALT SURFACE MUST BE INSTALLED AS A TEMPORARY MEASURE. BICYCLE LANES SHALL BE RESTORED TEMPORARILY AT THE END OF EACH DAY WITH A COLD-MIX ASPHALT OR STEEL PLATES.
 - SIDEWALKS AND BICYCLE LANES SHALL BE RESTORED PERMANENTLY WITHIN 20 WORKING DAYS FROM THE DATE OF THE ORIGINAL EXCAVATION. HOWEVER, THIS IS A MINIMUM STANDARDS, AND THE CITY MAY REQUEST THAT SIDEWALKS AND BICYCLE LANES BE RESTORED PERMANENTLY IN LESS THAN 20 DAYS. SIDEWALKS AND BICYCLE LANES SHALL NEVER BE USED FOR STORAGE OF CONSTRUCTION VEHICLES, EQUIPMENT, OR MATERIALS. TRAFFIC CONTROL EQUIPMENT SUCH AS SIGNS, BARRICADES, CONES, ETC., SHALL NOT BLOCK SIDEWALKS OR BICYCLE LANES UNLESS A PEDESTRIAN OR BICYCLE LANE DETOUR ROUTE HAS BEEN APPROVED BY THE CITY. *NOTE: A SIDEWALK SHALL NEVER BE CLOSED WITHOUT A CITY-APPROVED PEDESTRIAN DETOUR ROUTE.

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Legend and Abbreviations.dwg K:\NO_PublicSector\090181000 NUD 122-84\2 - CAD\PlanSheets\3 LEGEND AND ABBREVIATIONS.dwg

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BID SET



DESIGNED BY: NEK

DRAWN BY: JA

CHECKED BY: DLM

APPROVAL: DLM

DATE: JAN 2026

01/22/2026

NORTHSHORE UTILITY DISTRICT

6830 NE 185th St. P.O. Box 82489
Kenmore, WA 98028-2684 Kenmore, WA 98028-2684

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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS

GENERAL NOTES, WATER NOTES, AND TESC NOTES

BASE MAP K6
C2305
SHEET
3 OF 50

Kimley Horn

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Plotted By: Kim, Jenna Sheet No: 122-84-2 Date: January 26, 2026 12:04:03pm Layout: G04 K:\NO_PublicSector\09010100 NUD 122-84-2 - CADD\PlanSheets\Horizontal Control Plan.dwg

BASIS OF BEARINGS
 BASIS OF BEARINGS N01°52'24"E BETWEEN THE FOUND MONUMENTS CITY OF KIRKLAND CONTROL POINT #61 AND #80 ALONG 84TH AVE NE
HORIZONTAL DATUM
 NAD '83/'11 PER CITY OF KIRKLAND CONTROL POINT #61
VERTICAL DATUM
 NAVD '88 PER CITY OF KIRKLAND CONTROL POINT #159

BENCHMARKS
 ORIGINATING BENCHMARK: CITY OF KIRKLAND CONTROL POINT #159
 FOUND PUNCH IN 2" ALUMINUM DISC STAMPED "CITY OF KIRKLAND BENCHMARK" SET IN CONCRETE WALKWAY
 ELEVATION: 414.53'
TEMPORARY BENCHMARKS:

- TBM 'A'
 FOUND PUNCH 'X' IN 1-3/4" BRASS DISC IN 4"x4" CONCRETE MONUMENT IN CASE, 0.4' BELOW GRADE, AT CENTER OF CUL-DE-SAC AT W END OF NE 122ND PL.
 ELEVATION: 343.28'
- TBM 'B'
 FOUND TACK IN 1" IRON PIPE IN CONCRETE MONUMENT IN CASE, 0.5' BELOW GRADE. AT NE 122ND PL AT CUL-DE-SAC INTERSECTION AT HOUSE #8104.
 ELEVATION: 373.01'
- TBM 'C'
 FOUND TACK IN LEAD IN CONCRETE MONUMENT IN CASE, 0.2' BELOW GRADE, AT INTERSECTION NE 122ND PL & 82ND AVE NE.
 ELEVATION: 382.29'
- TBM 'D'
 FOUND TACK IN LEAD IN 4" DIAMETER CONCRETE MONUMENT IN CASE, 0.3' BELOW GRADE. AT INTERSECTION NE 122ND PL & 83RD PL NE.
 ELEVATION: 388.88'
- TBM 'E'
 FOUND BRASS TACK IN LEAD PLUG IN CONCRETE MONUMENT IN CASE, 0.6' BELOW GRADE. AT INTERSECTION NE 122ND PL & 84TH AVE NE.
 ELEVATION: 402.68'
- TBM 'F'
 SET CHISELED SQUARE IN TOP OF ROLLED CURB AT NORTHERLY EDGE OF CUL-DE-SAC AT WEST END NE 121ST PL. SET ±10' EASTERLY OF EAST EDGE CONCRETE DRIVEWAY FOR HOUSE #8306.
 ELEVATION: 391.12'
- TBM 'G'
 FOUND PUNCHMARK IN 1-3/4" BRASS DISC IN 4"x4" CONCRETE MONUMENT IN CASE, 0.3' BELOW GRADE. AT INTERSECTION NE 121ST PL & 84TH AVE NE.
 ELEVATION: 392.71'
- TBM 'H'
 FOUND TACK IN LEAD IN CONCRETE MONUMENT IN CASE, 0.2' BELOW GRADE. AT INTERSECTION NE 121ST ST & 81ST AVE NE.
 ELEVATION: 356.30'
- TBM 'I'
 FOUND TACK IN LEAD IN 4" DIAMETER CONCRETE MONUMENT IN CASE, 0.25' BELOW GRADE. AT INTERSECTION NE 121ST ST & 82ND PL NE.
 ELEVATION: 392.78'
- TBM 'J'
 FOUND PUNCHMARK IN 1-3/4" BRASS DISC IN 4"x4" CONCRETE MONUMENT IN CASE, STAMPED 'LS 40097 2023', 0.25' BELOW GRADE. AT INTERSECTION NE 120TH ST & 82ND PL NE.
 ELEVATION: 396.46'
- TBM 'K'
 FOUND BRASS PIN IN LEAD IN CONCRETE MONUMENT IN CASE, 0.4' BELOW GRADE. AT INTERSECTION NE 120TH ST & 81ST AVE NE.
 ELEVATION: 353.47'

GIS PARCEL NOTE
 PARCEL LINES AS SHOWN ARE FROM KING COUNTY GIS INFORMATION. NOTE THAT IT IS ONLY A SCHEMATIC REPRESENTATION FOR CONVENIENCE IN INTERPRETING THE TOPOGRAPHY. IT IS NOT A BOUNDARY SURVEY AND SHOULD NOT BE RELIED ON AS SUCH.

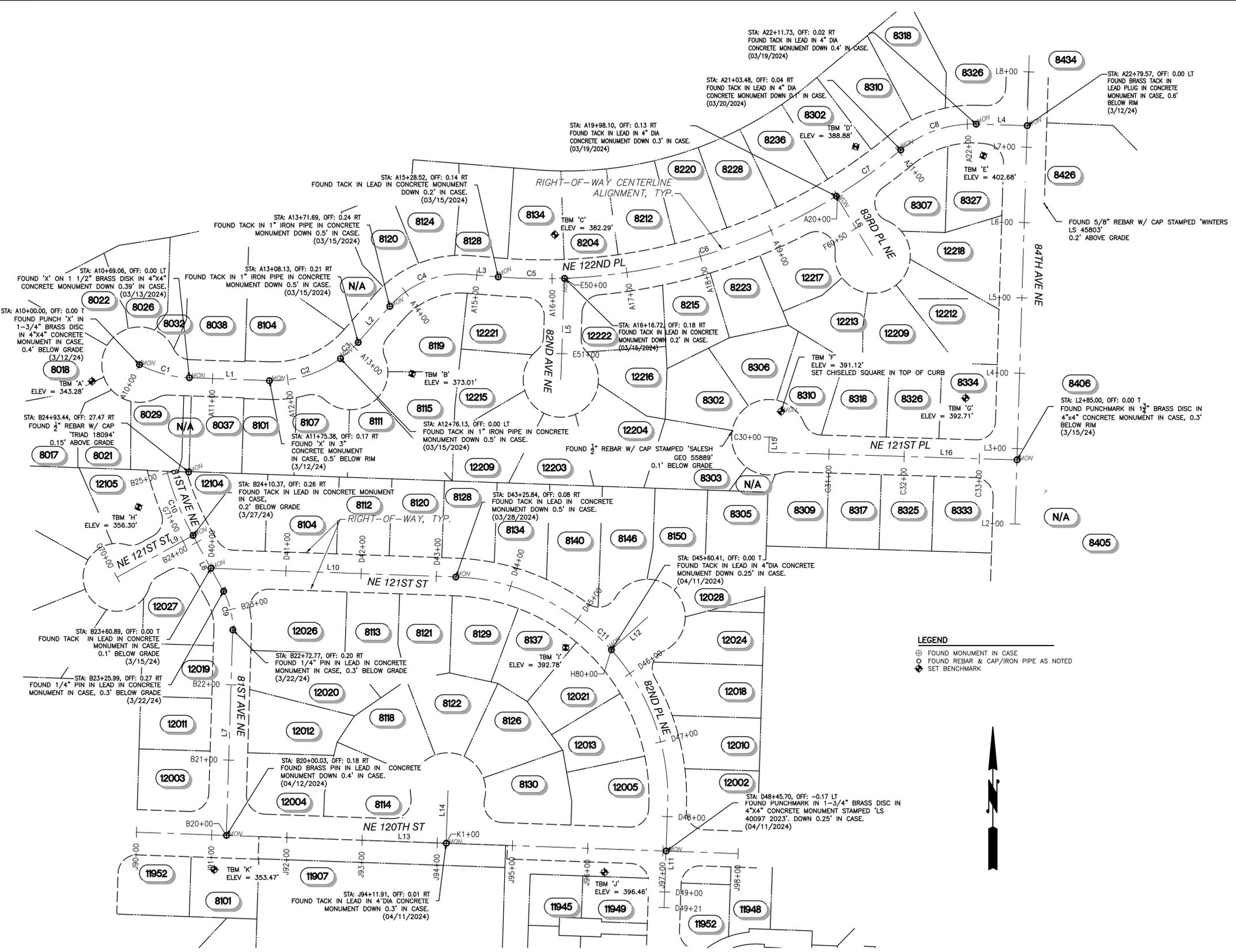
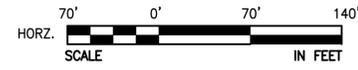
EQUIPMENT NOTES
 PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING TRIMBLE R12I EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING TRIMBLE S7 TOTAL STATIONS FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WACS 332-130-080/090.

NOTES
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON APRIL 17, 2024 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THIS SURVEY DISCLOSES FACTORS OF RECORD AND ON THE GROUND AFFECTING THE SUBJECT PROPERTY BOUNDARY, BUT IT DOES NOT PURPORT TO LEGALLY RESOLVE RELATED PROPERTY LINE DISPUTES. WHERE AMBIGUITIES ARE NOTED, THIS RECOMMENDS THAT THE OWNER CONSULT WITH LEGAL COUNSEL TO DETERMINE HOW BEST TO INTERPRET THEIR PROPERTY RIGHTS AND ADDRESS ANY POTENTIAL PROPERTY LINE DISPUTES.

UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON ASBUILT FIELD LOCATION OF EXISTING STRUCTURES, FIELD LOCATION OF UTILITIES BASED ON LOCATOR PAINT MARKINGS AND LOCATIONS BASED ON UTILITY MAPS FROM CITY AND UTILITY DRAWINGS INDICATING REPORTED UTILITY INSTALLATIONS. OTHER UTILITIES MAY EXIST. NO SUB-SURFACE EXPLORATION WAS MADE TO VERIFY UTILITY ROUTINGS AND THE ROUTING OF ALL BURIED UTILITIES SHOULD BE CONFIRMED WITH THE UTILITY PURVEYOR AND EXPOSED IN AREAS CRITICAL TO DESIGN FOR VERIFICATION.

THIS SURVEY MEETS UNITED STATES NATIONAL MAP ACCURACY STANDARDS FOR VERTICAL ACCURACY OF ONE HALF THE CONTOUR INTERVAL.



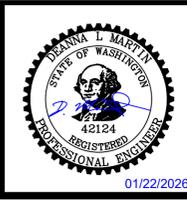
LEGEND
 (Symbol) FOUND MONUMENT IN CASE
 (Symbol) FOUND REBAR & CAP/IRON PIPE AS NOTED
 (Symbol) SET BENCHMARK



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WARNING
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED BY: NEK
 DRAWN BY: JA
 CHECKED BY: DLM
 APPROVAL: DLM
 DATE: JAN 2026



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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
HORIZONTAL CONTROL PLAN

BASE MAP K6
 C2305
SHEET
 4 OF 50



K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\4 HORIZONTAL CONTROL PLAN.dwg
 Plotted By: Kim, Jenna Sheet Set: NUD 122-84 Layout: 6.05 January 26, 2026 12:04:07pm

A CONSTRUCTION ALIGNMENT – NE 122ND PL			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
C1	69.074	156.470	S75° 19' 02.32"E
L1	106.536		S87° 57' 50.64"E
C2	100.516	150.000	N72° 45' 10.10"E
C3	31.949	150.000	N47° 27' 14.18"E
L2	63.600		N41° 21' 07.68"E
C4	113.525	125.980	N67° 10' 03.78"E
L3	43.308		S85° 24' 28.49"E
C5	88.058	745.000	S88° 44' 11.17"E
C6	381.532	745.000	N73° 12' 22.19"E
C7	105.334	745.000	N54° 29' 03.98"E
C8	108.270	150.000	N71° 05' 27.95"E
L4	67.870		S88° 13' 51.32"E

J CONSTRUCTION ALIGNMENT – NE 120TH ST			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L13	850.000		S87° 57' 52.32"E

K CONSTRUCTION ALIGNMENT – NE 120TH ST CUL-DE-SAC			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L14	120.000		N02° 02' 07.68"E

C CONSTRUCTION ALIGNMENT – NE 121ST PL			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L15	70.000		S01° 46' 08.68"W
L16	379.920		S88° 13' 51.32"E

E CONSTRUCTION ALIGNMENT – 82ND AVE NE			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L5	234.370		S02° 02' 09.68"W

F CONSTRUCTION ALIGNMENT – 83RD PL NE			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L6	192.540		S31° 27' 54.09"E

B CONSTRUCTION ALIGNMENT – 81ST AVE NE			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L7	272.670		N01° 46' 08.68"E
C9	53.359	100.000	N13° 31' 01.82"W
L8	84.360		N28° 48' 12.32"W
C10	92.175	388.960	N22° 00' 52.32"W

G CONSTRUCTION ALIGNMENT – NE 121ST ST CUL-DE-SAC			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L9	123.390		N61° 11' 47.68"E

D CONSTRUCTION ALIGNMENT – NE 121ST ST AND 82ND PL NE			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L10	325.530		S87° 57' 52.32"E
C11	459.086	292.400	S42° 59' 08.19"E
L11	136.140		S01° 59' 35.93"W

H CONSTRUCTION ALIGNMENT – 82ND PL NE CUL-DE-SAC			
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
L12	165.000		N48° 00' 07.68"E

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DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS

ALIGNMENT DEFINITION TABLES

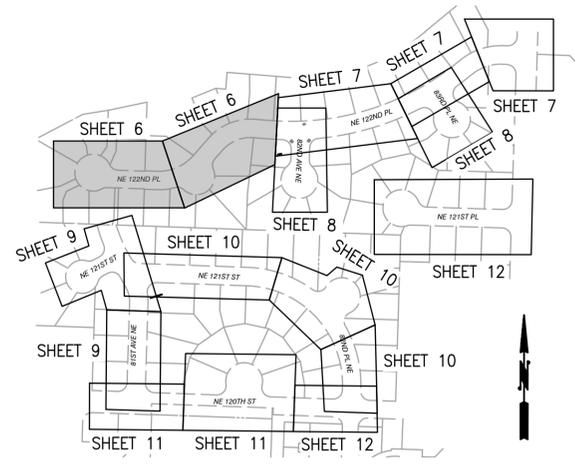
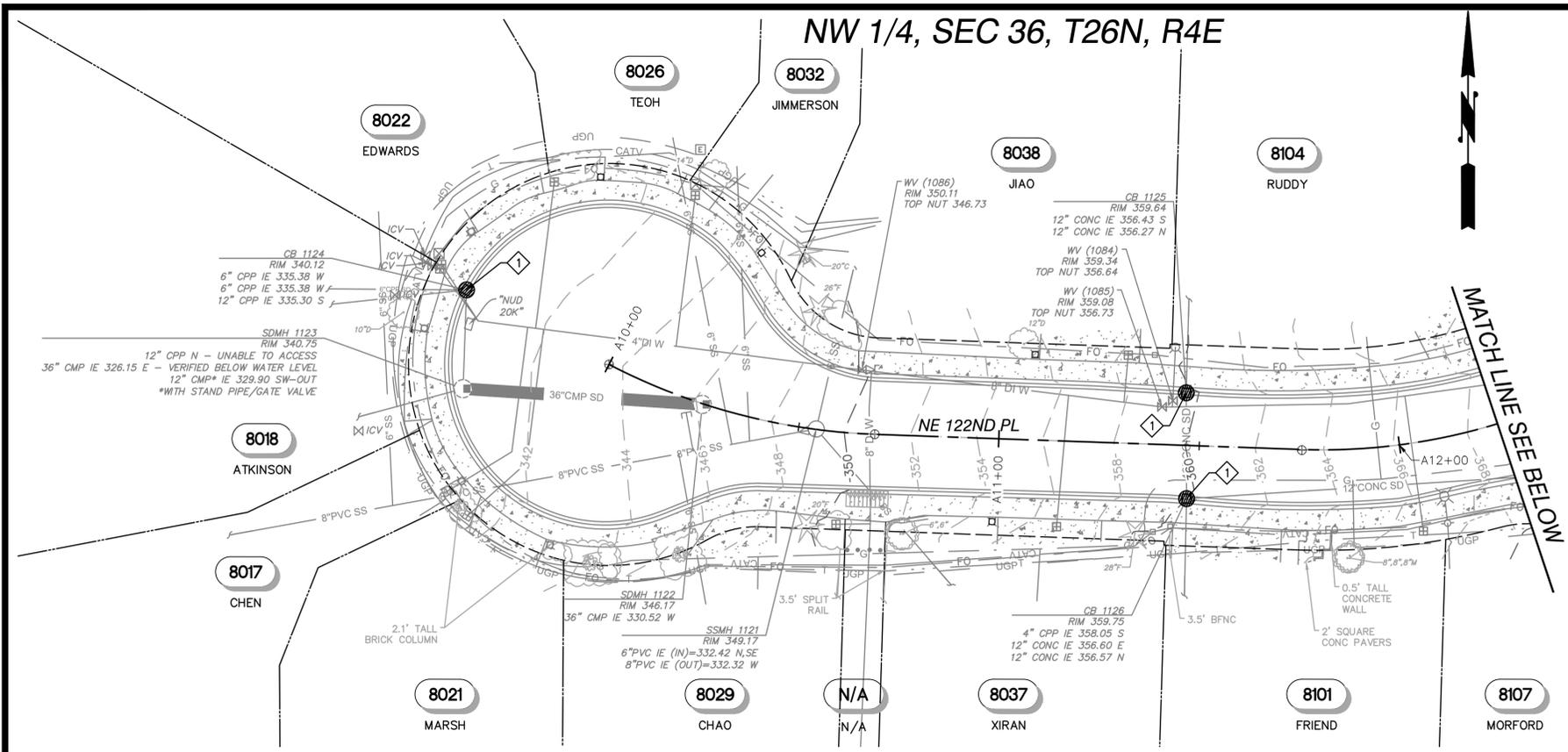
BASE MAP K6

C2305

SHEET

5 OF 50

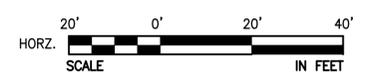
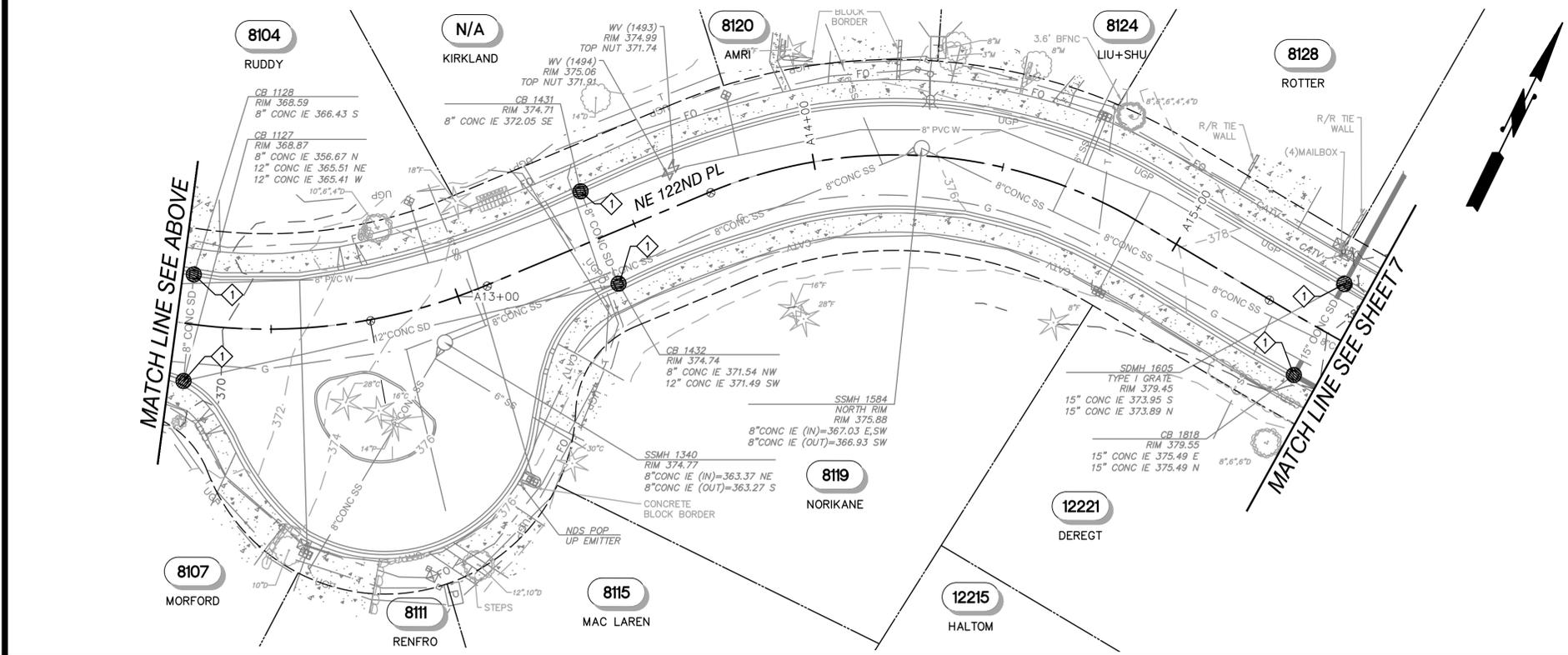
NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

TESC NOTES

- ◆ INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.

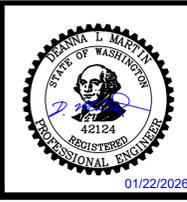


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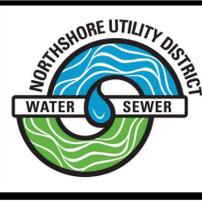
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DATE	JAN 2026



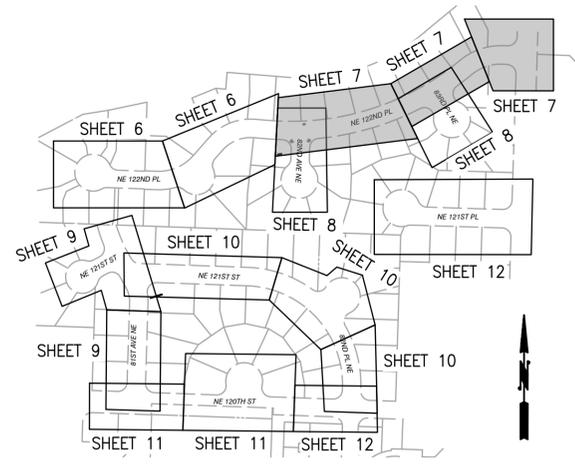
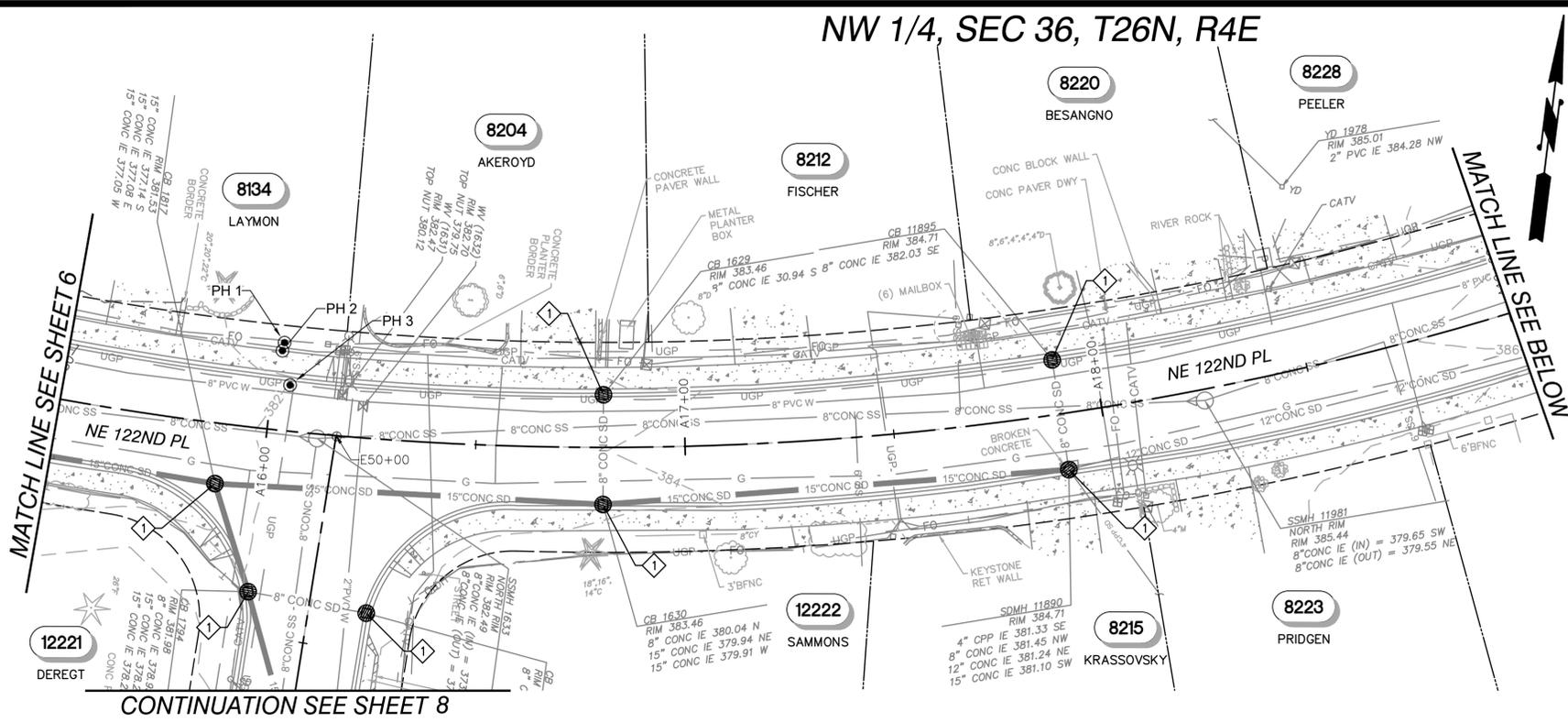
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
NE 122ND PL - STA A10+00 TO STA A15+50

BASE MAP K6
C2305
SHEET
6 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: ECI January 26, 2026 12:04:26pm K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\12 EXISTING CONDITIONS & TESC.dwg

NW 1/4, SEC 36, T26N, R4E



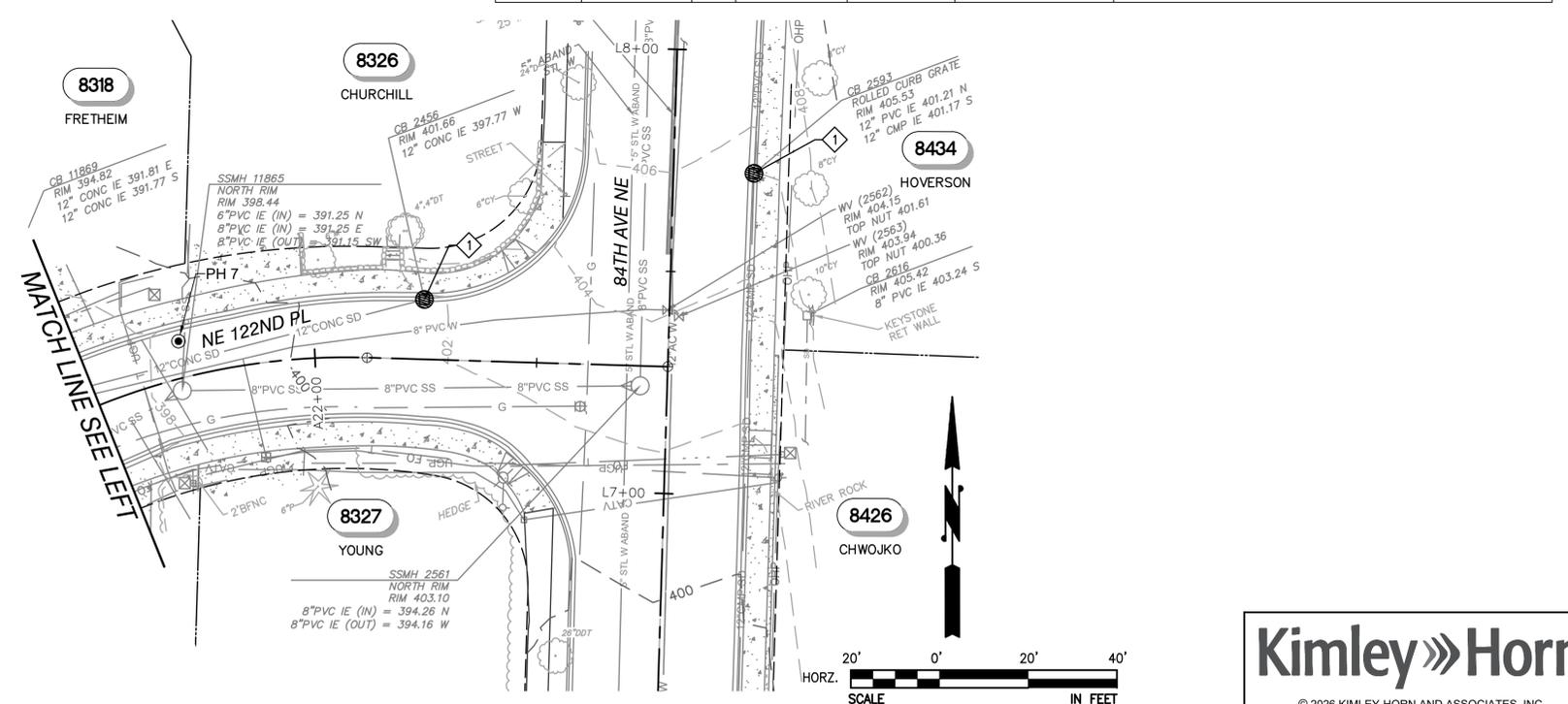
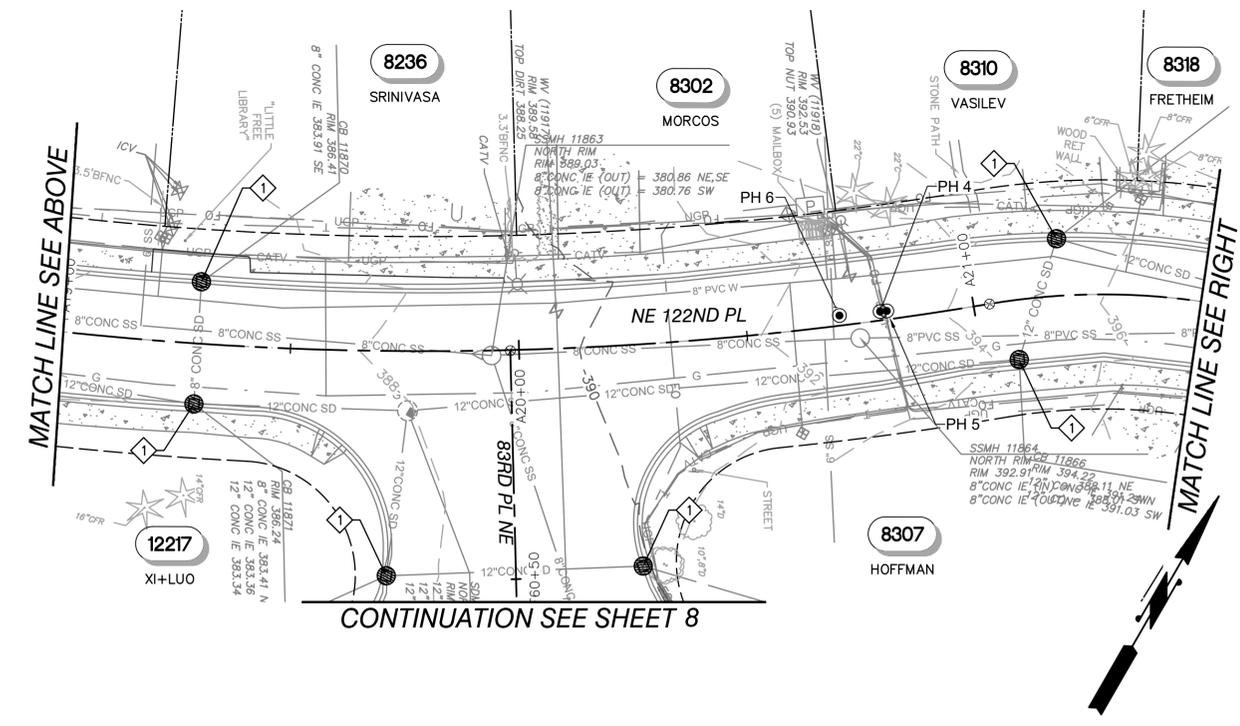
KEY MAP
NTS

TESC NOTES

- INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.

POTHOLE TABLE

POTHOLE #	UTILITY	SIZE	SURFACE ELEV	DEPTH TO TOP	PAVEMENT THICKNESS	NOTES
PH 1	PVC FO	1.5"	382.68	33.5"	N/A	N/A
PH 2	PVC COMM	1/2"	382.46	14"	N/A	FOUND A TV
PH 3	CDF DUCT UGP	N/A	382.03	4"	4"	COULD SEE, BUT COULDN'T GET A MEASUREMENT OF PVC CONDUIT.
PH 4	PVC CATV	2"	393.17	21"	6.5"	COULDN'T FIND UGP. FOUND CATV.
PH 5	FO	N/A	393.17	N/A	6.5"	DID NOT FIND
PH 6	CONC SS	8"	392.71	51.5"	6.5"	N/A
PH 7	CONC SS	6"	398.42	74"	6.5"	N/A

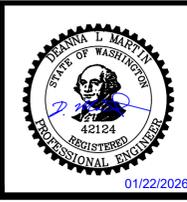


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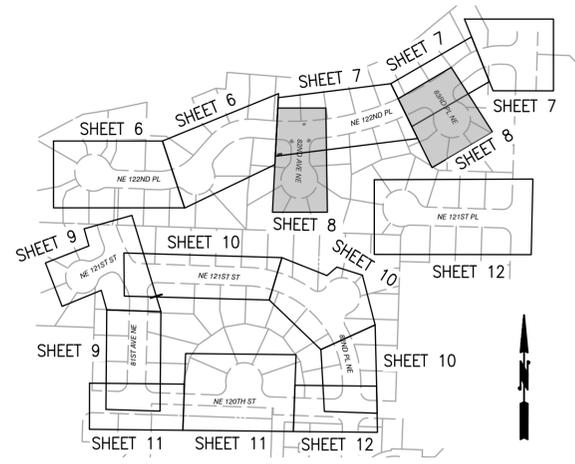


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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
NE 122ND PL - STA A15+50 TO STA A22+80

BASE MAP K6
C2305
SHEET
7 OF 50

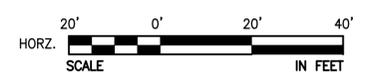
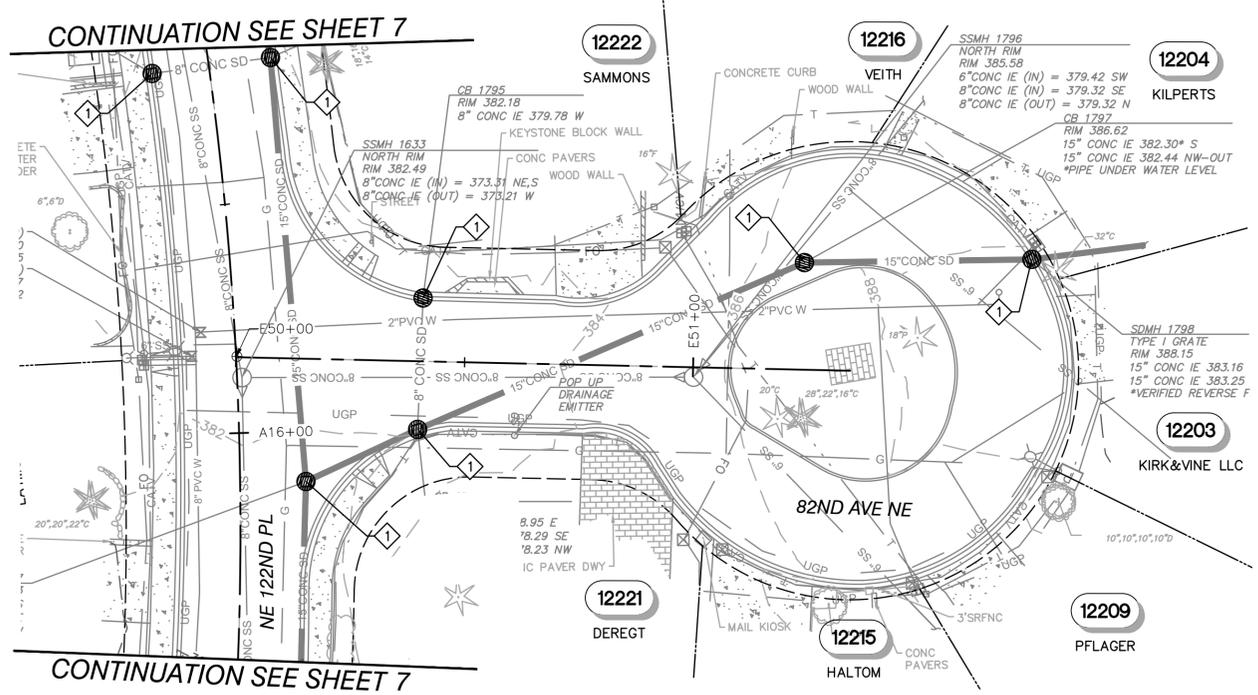
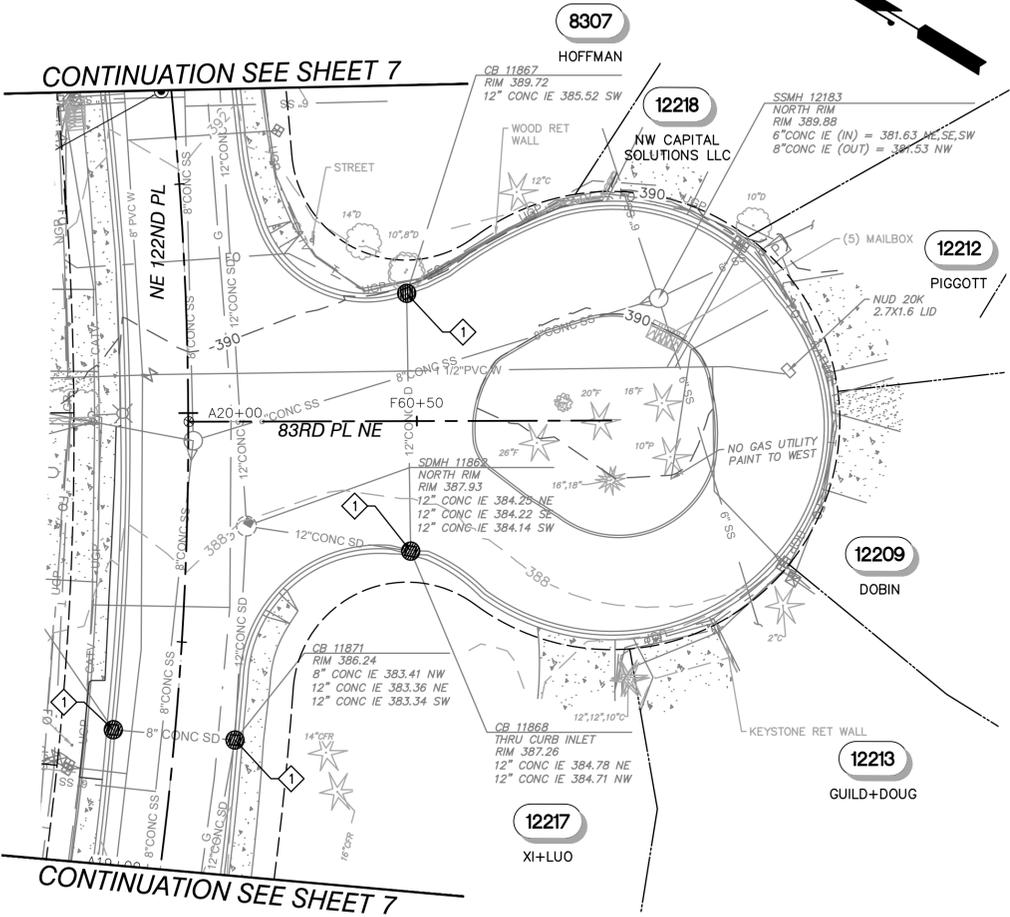
NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

TESC NOTES

- INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.



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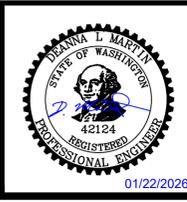
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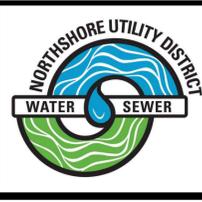
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CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



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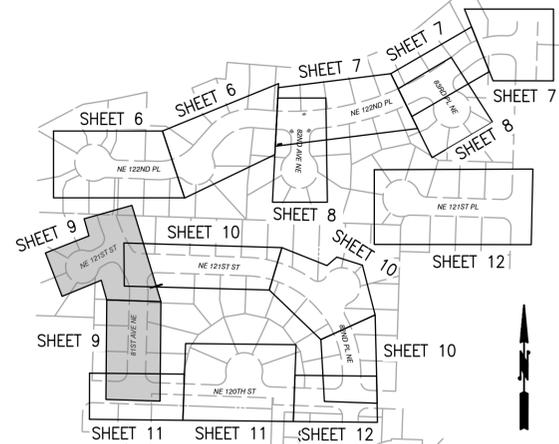
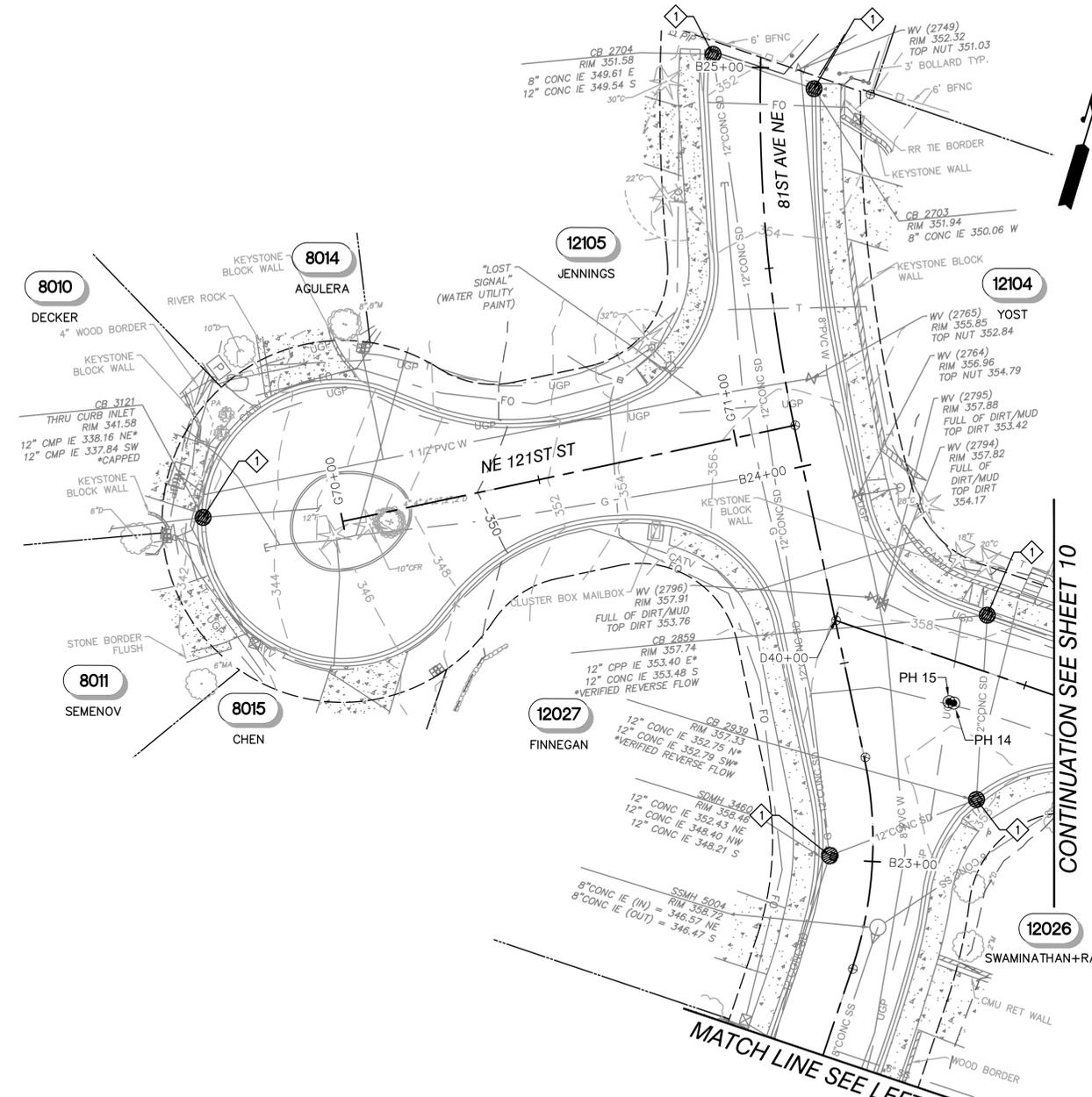
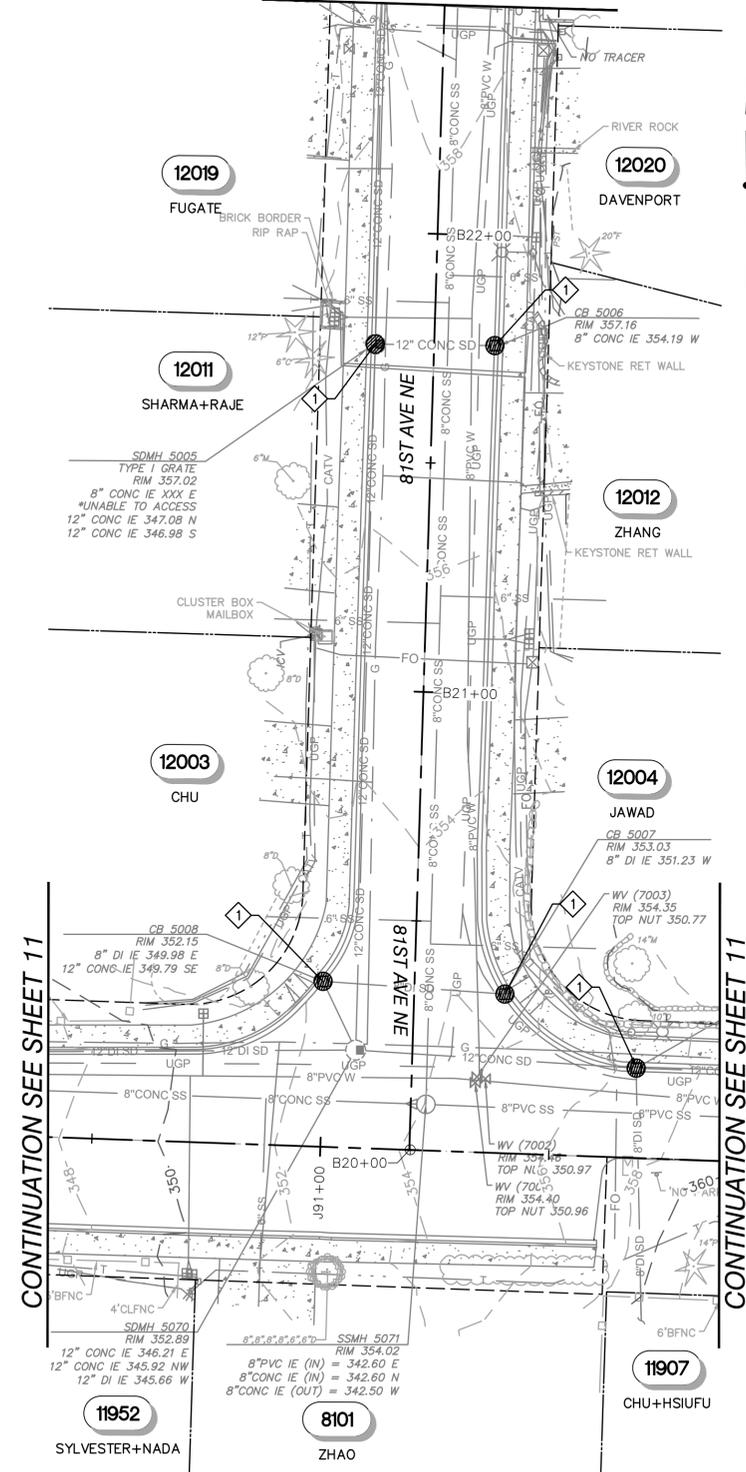
CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
83RD PL NE - STA F60+00 TO STA F61+25 -
82ND AVE NE - E50+00 TO STA E51+34

BASE MAP K6
C2305
SHEET
8 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: EC3 January 26, 2026 12:04:34pm K:\SNO_PublicSector\080181000 NUD 122-84-2 - CAD\PlanSheets\12 EXISTING CONDITIONS & TESC.dwg

NW 1/4, SEC 36, T26N, R4E

MATCH LINE SEE RIGHT

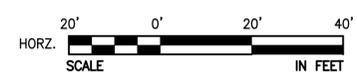


KEY MAP
NTS

TESC NOTES

- ◆ INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.

POTHOLE TABLE						
POTHOLE #	UTILITY	SIZE	SURFACE ELEV	DEPTH TO TOP	PAVEMENT THICKNESS	NOTES
PH 14	STL WRAP G	2"	358.40	42"	6"	N/A
PH 15	PVC UGP	2"	358.39	16"	6"	N/A

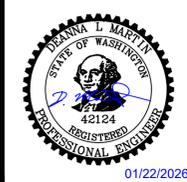


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APPROVAL	DLM
DATE	JAN 2026



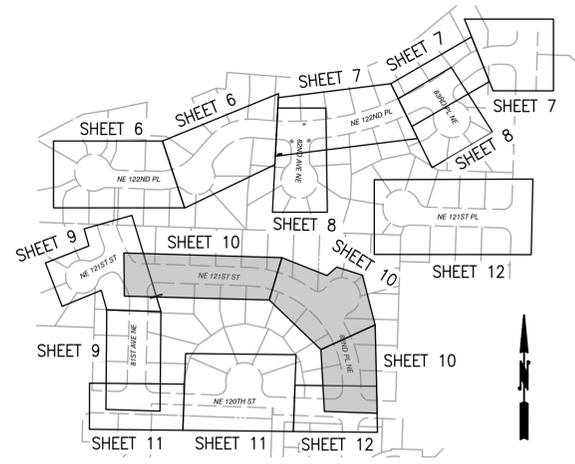
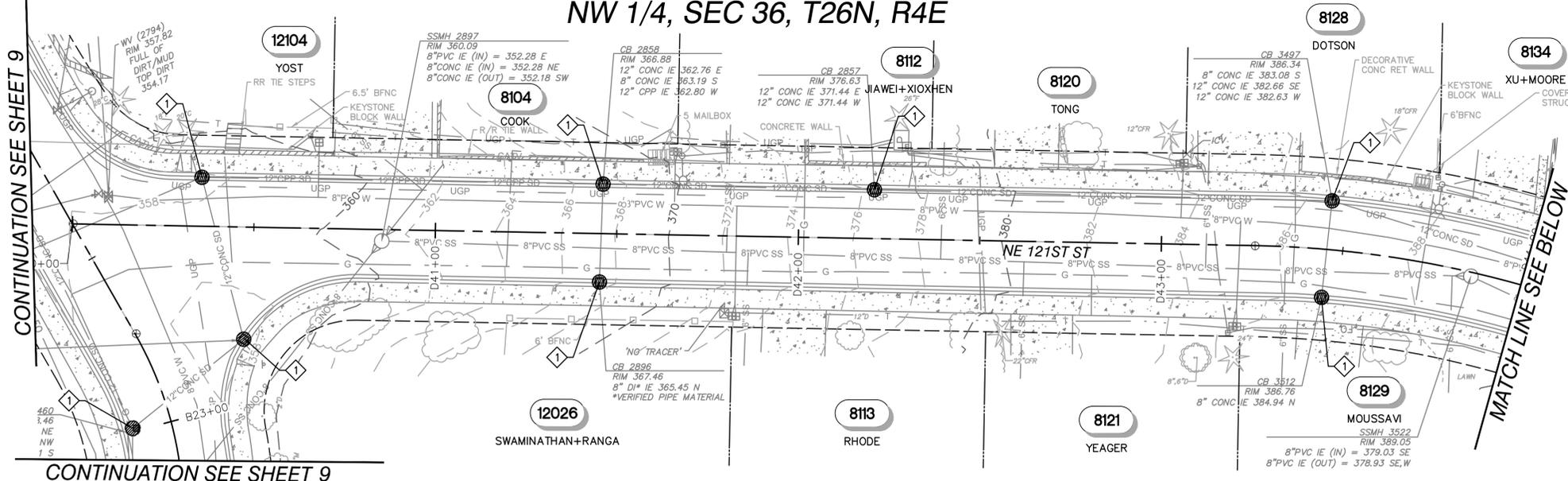
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
81ST AVE NE - STA B20+00 TO STA B25+03 - NE
121ST ST - STA G70+00 TO STA G71+15

BASE MAP K6
C2305
SHEET
9 OF 50

Plotted By: Kim, Jenna Sheet No: 122-84 Layout: E04 January 26, 2026 12:04:39pm K:\SNO_PublicSector\080181000 NUD 122-84\2 - CAD\PlanSheets\12 EXISTING CONDITIONS & TESC.dwg

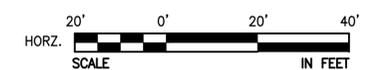
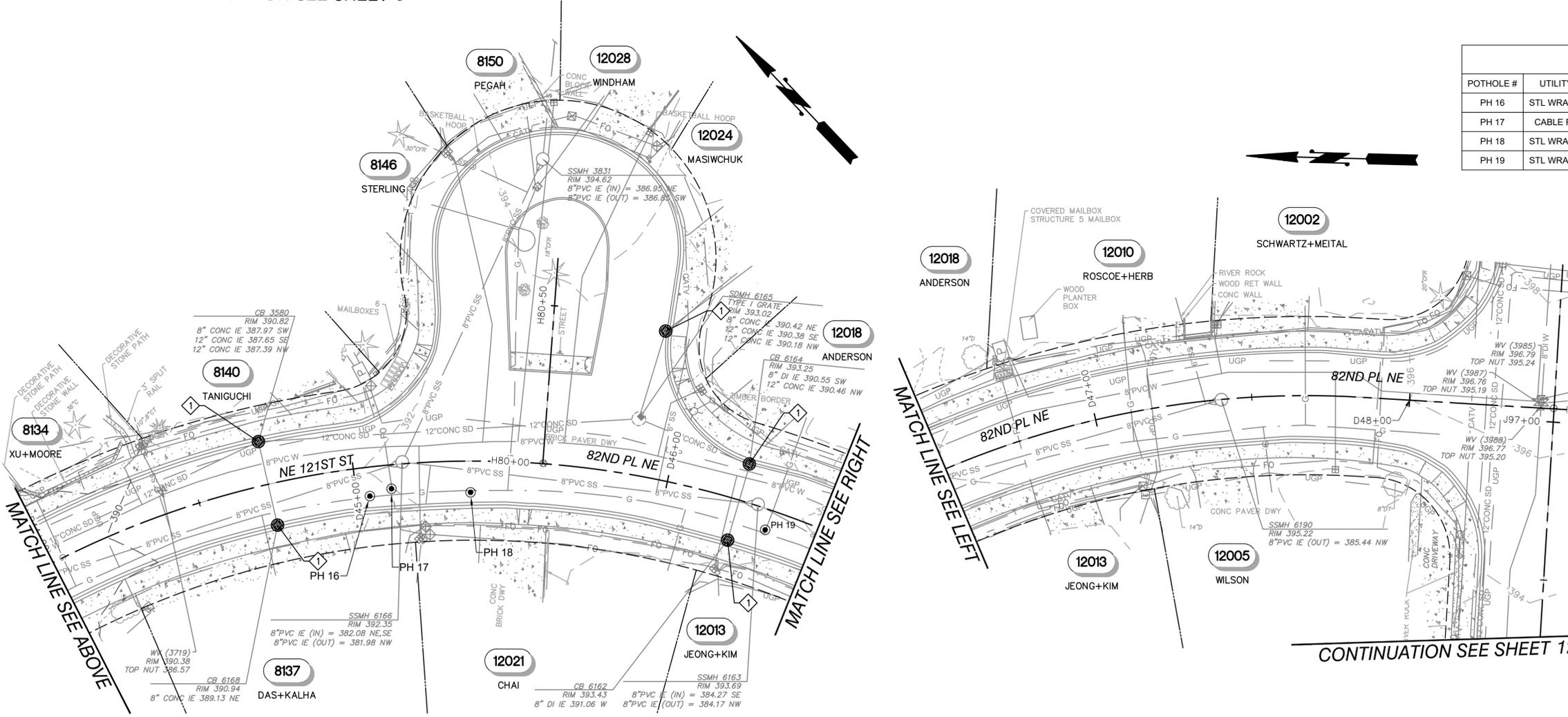
NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

TESC NOTES
 ◊ INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.

POTHOLE TABLE						
POTHOLE #	UTILITY	SIZE	SURFACE ELEV	DEPTH TO TOP	PAVEMENT THICKNESS	NOTES
PH 16	STL WRAP G	2"	391.78	27"	6"	N/A
PH 17	CABLE FO	N/A	392.03	38"	6"	FOUND 2X1" CABLES
PH 18	STL WRAP G	2"	392.43	39"	6"	N/A
PH 19	STL WRAP G	2"	393.69	38"	6"	N/A



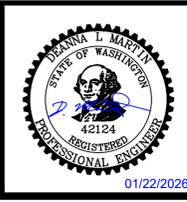
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 APPROVAL: DLM
 DATE: JAN 2026



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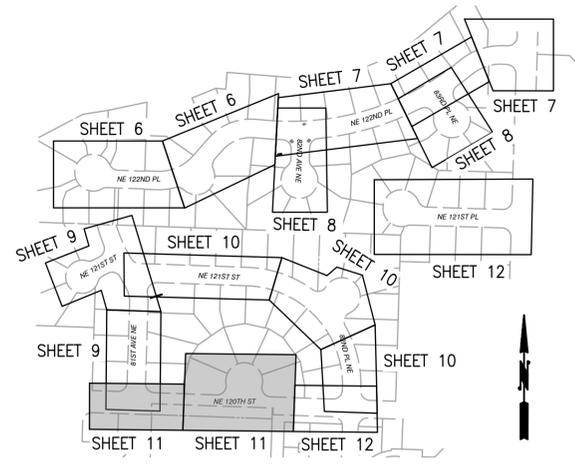
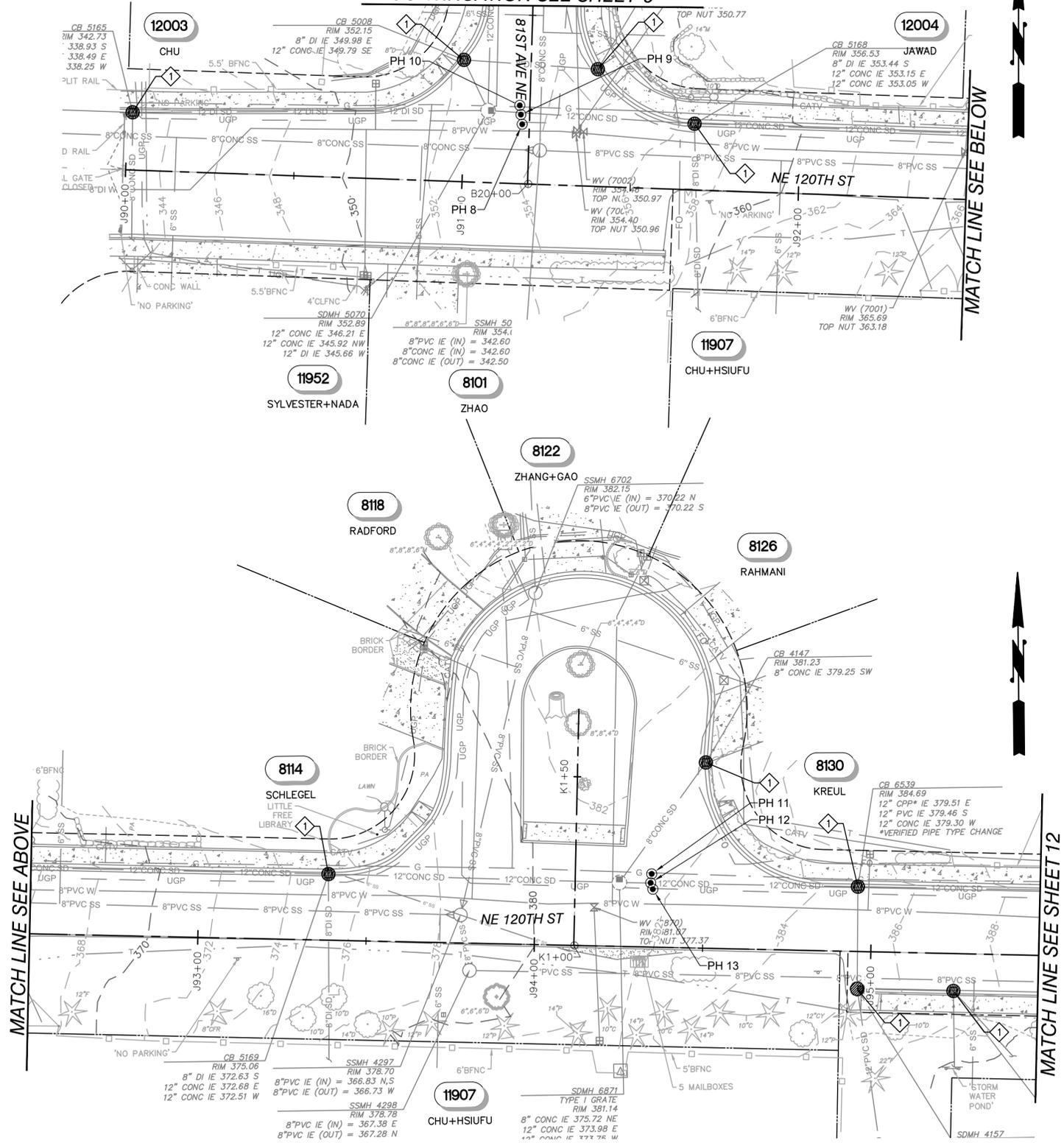
CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
NE 121ST ST - STA D44+00 TO STA D48+50 - 82ND PL NE CUL-DE-SAC - STA H80+00 TO STA H81+15

BASE MAP K6
 C2305
SHEET
10 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: E03 January 26, 2026 12:04:46pm K:\NO_PublicSector\080181000 NUD 122-84\2 - CAD\PlanSheets\12 EXISTING CONDITIONS & TESC.dwg

NW 1/4, SEC 36, T26N, R4E

CONTINUATION SEE SHEET 9

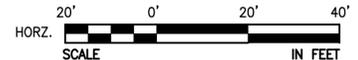


KEY MAP
NTS

TESC NOTES

- INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.

POTHOLE TABLE						
POTHOLE #	UTILITY	SIZE	SURFACE ELEV	DEPTH TO TOP	PAVEMENT THICKNESS	NOTES
PH 8	PVC UGP	2"	353.71	16"	6"	N/A
PH 9	CONC SD	12"	353.70	63"	8"	N/A
PH 10	STL WRAP G	2"	353.60	45"	8"	N/A
PH 11	STL WRAP G	2"	381.77	42"	6"	N/A
PH 12	CONC SD	12"	381.78	76"	N/A	N/A
PH 13	PVC UGP	2"	381.80	14"	6"	N/A

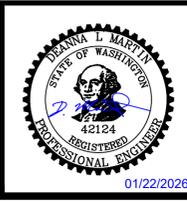


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APPROVAL: DLM
DATE: JAN 2026



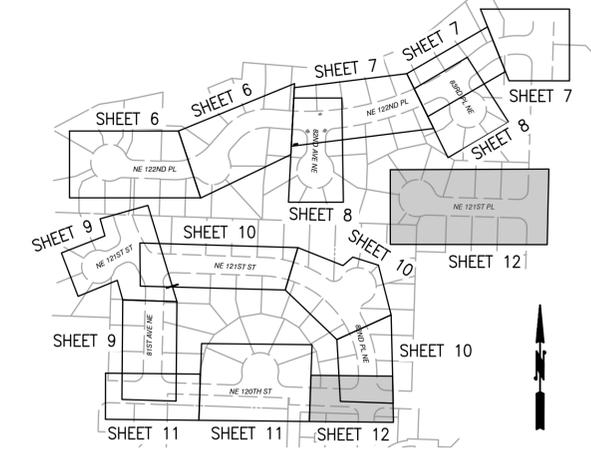
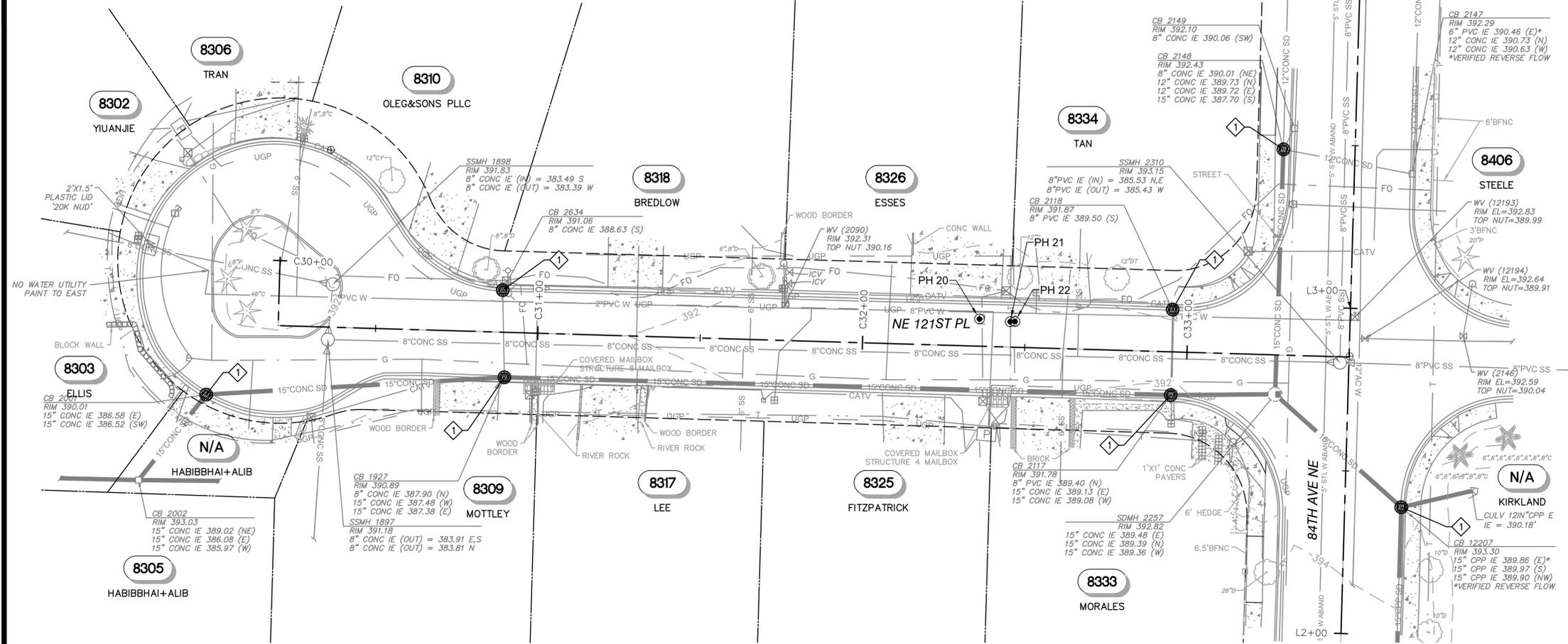
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
NE 120TH ST - STA J90+00 TO STA J95+50 - NE
120TH ST CUL-DE-SAC - STA K1+00 TO STA K1+70

BASE MAP K6
C2305
SHEET
11 OF 50

Plotted By: Kim, Jenna Sheet Set: NUD 122-84 Layout: E08 January 26, 2026 12:04:51pm K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\12 EXISTING CONDITIONS & TESC.dwg

NW 1/4, SEC 36, T26N, R4E

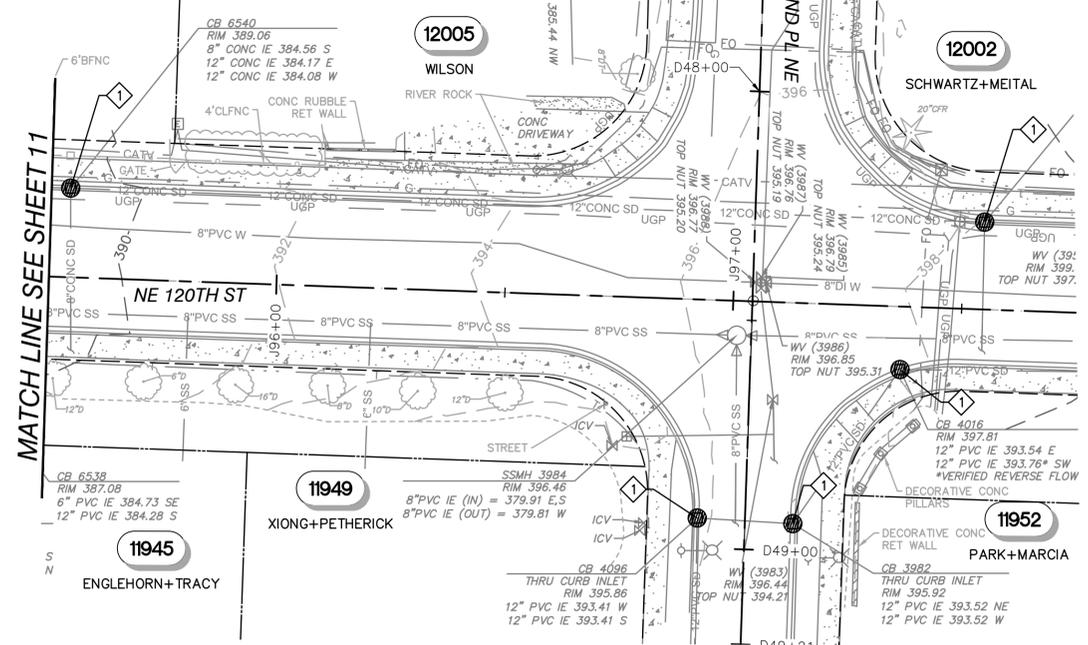


KEY MAP
NTS

TESC NOTES

- INSTALL STORM DRAIN INLET PROTECTION PER CITY OF KIRKLAND STD DTL CK-E.11, SHT 3.

CONTINUATION SEE SHEET 10



POTHOLE TABLE						
POTHOLE #	UTILITY	SIZE	SURFACE ELEV	DEPTH TO TOP	PAVEMENT THICKNESS	NOTES
PH 20	PVC FO	1.5"	392.66	30"	5"	N/A
PH 21	PVC UGP	3"	392.61	32"	3.5"	FOUND (2)X3" PVC CONDUITS
PH 22	COMM	3"	392.56	32"	6"	FOUND 3" POWER (PH 22A), BUT COULD NOT LOCATE COMMS



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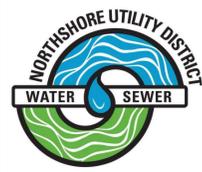
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APPROVAL: DLM
DATE: JAN 2026



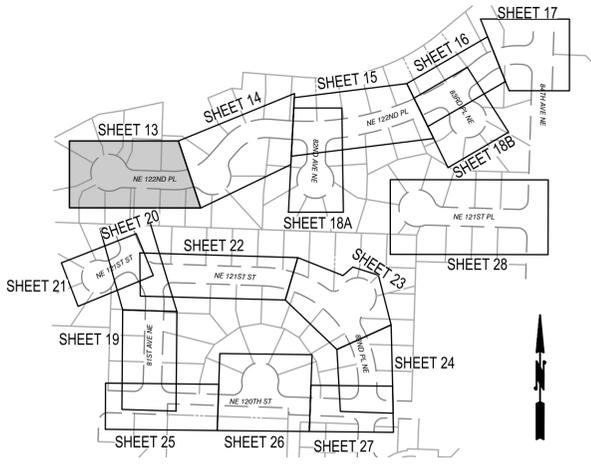
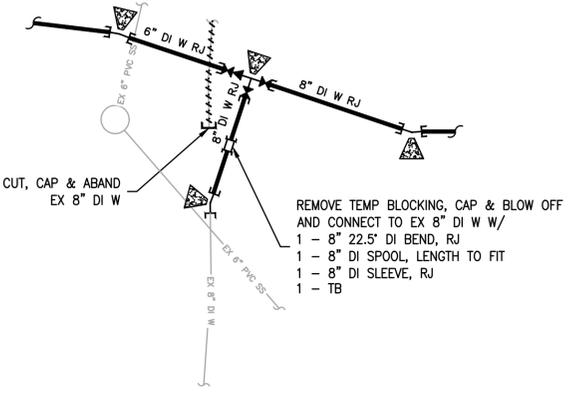
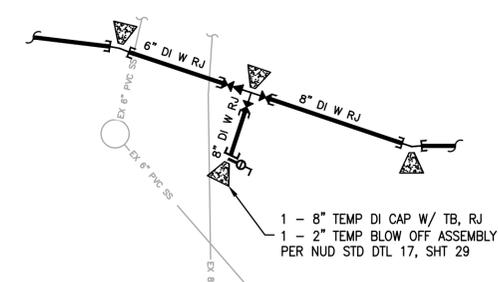
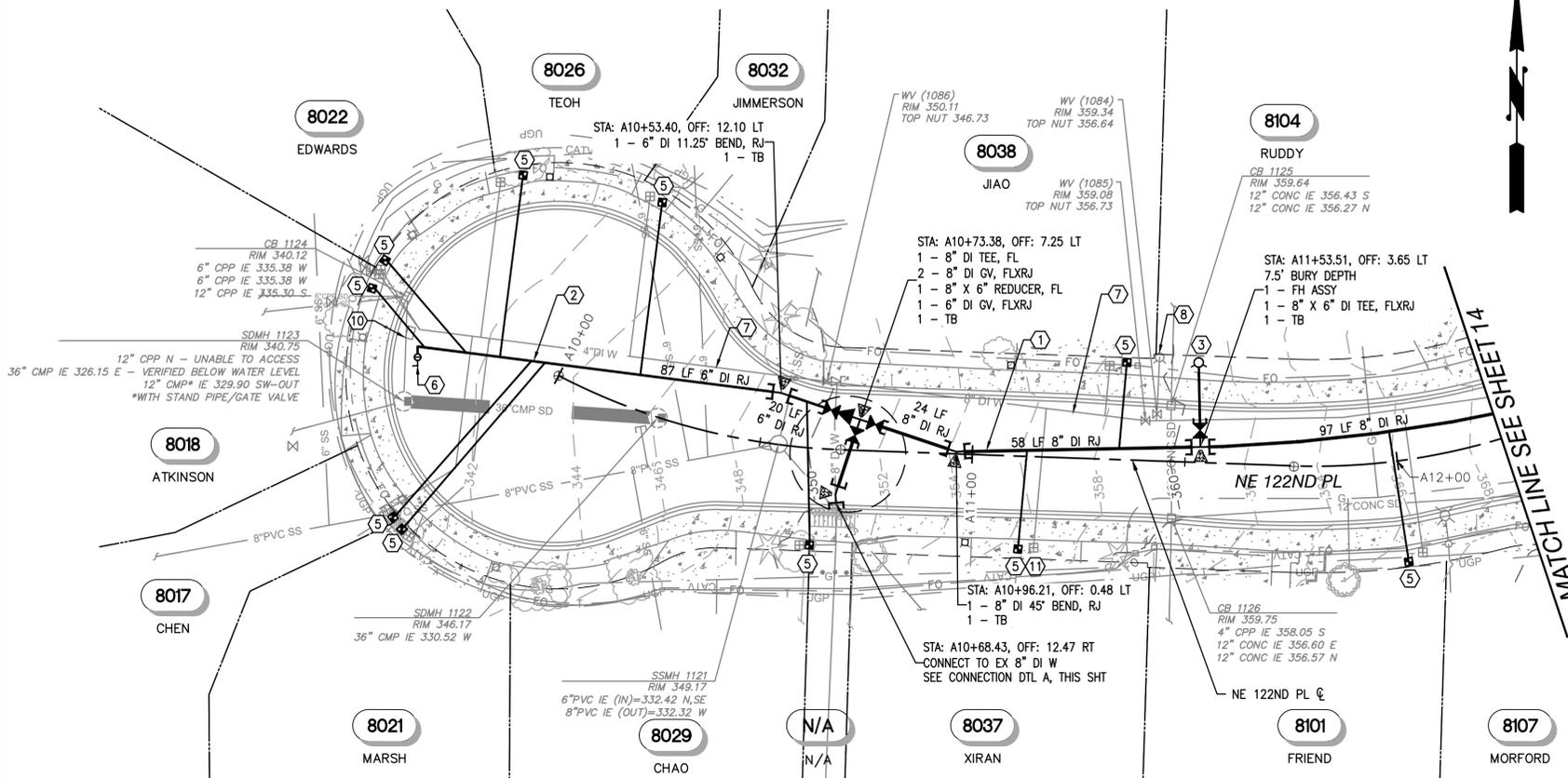
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
EXISTING CONDITIONS & TESC
NE 120TH ST - STA J95+50 TO STA J97+50 - NE 121ST PL - STA C30+00 TO STA C33+50

BASE MAP K6
C2305
SHEET
12 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: EC7 January 26, 2026 12:04:56pm K:\SNO_PublicSector\080181000 NUD 122-84\2 - CAD\PlanSheets\12 EXISTING CONDITIONS & TESC.dwg

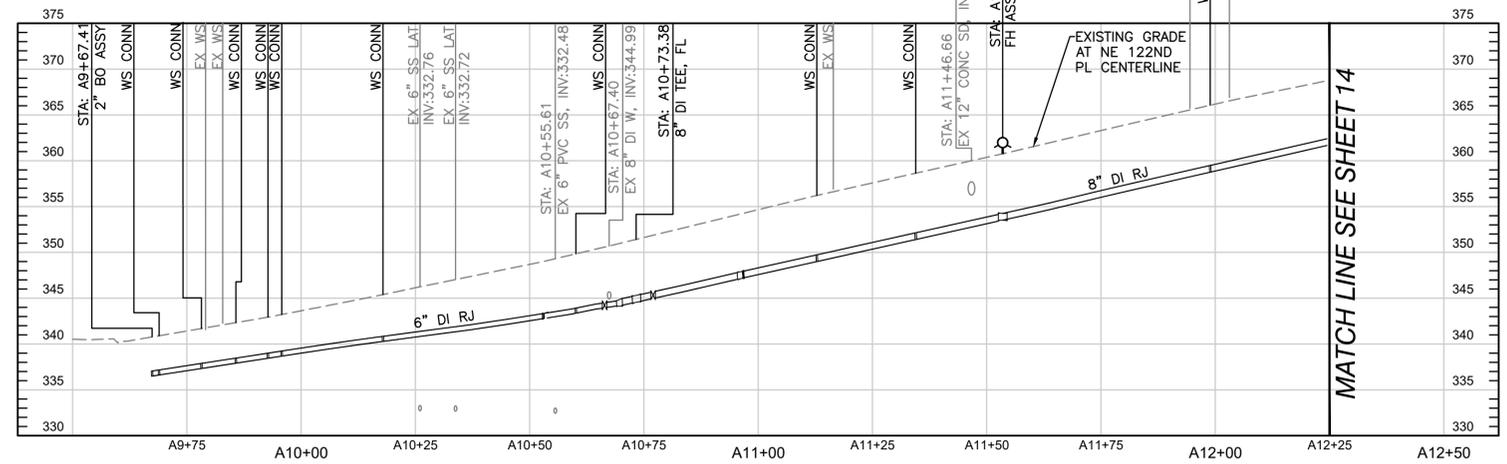
SE 1/4, SEC 25, T26N, R4E, WM



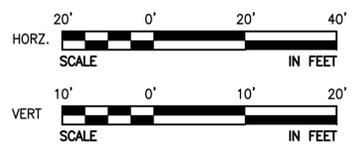
- GENERAL NOTES:**
- SEE SHT 2 FOR LEGEND, SEE SHT 3 FOR GENERAL NOTES, SHT 4 FOR SURVEY CONTROL INFORMATION.
 - SEE PLAN SHT 6 TO SHT 12 FOR TESC PLANS. INSTALL TESC FACILITIES PRIOR TO EXCAVATION.
 - PROVIDE ETHAFOAM PROTECTION BETWEEN UTILITIES WHEN SEPARATION BETWEEN PROPOSED WATERLINES AND EXISTING UTILITIES ARE LESS THAN 12\".
 - SEE PLAN SHT 31 TO SHT 37 FOR RESTORATION PLANS.
 - ALL SERVICE CONNECTIONS ARE ASSUMED TO HAVE A PRIVATE PRV DEVICE ON THE BACKSIDE OF THE METER, HOWEVER THE EXACT LOCATION IS UNKNOWN. A REPLACEMENT PRV MAY BE REQUIRED AT THE TIME OF WATER SERVICE RECONNECTION IF AN EXISTING PRV IS PRESENT ON THE BACKSIDE OF THE METER; SEE SPECIFICATION SECTION 3.8 FOR REQUIREMENTS WHEN INSTALLING NEW WATER SERVICES AND NUD STD DTL 21, SHT 30 FOR PRIVATE PRV REPLACEMENT.
 - UTILITY POLES AND STREET LIGHTS LOCATED ADJACENT TO THE TRENCH OR IMPROVEMENTS SHALL BE TEMPORARILY SUPPORTED WHILE THE WORK IS COMPLETED. COORDINATE SUPPORT OF POLES AND STREET LIGHTS WITH UTILITY OWNER PRIOR TO CONSTRUCTION AND PROVIDE SUPPORT AT NO ADDITIONAL COST.
 - 3-FT MIN. COVER OVER PIPE IS REQUIRED FOR WATER MAIN PER NUD STANDARDS. HOWEVER, MOST WATER MAIN IN THIS PROJECT AREA WILL REQUIRE 4-FT TO 6-FT OF COVER OVER THE PIPE TO AVOID UTILITY CONFLICTS. CONTRACTOR SHALL INSTALL PIPE AS SHOWN IN THE PROFILE TO CROSS EXISTING UTILITIES WITHOUT CREATING LOCALIZED HIGH POINTS EXCEPT WHERE PLANS INDICATE TO USE AN ARV. PIPE INSTALLED WITH GREATER THAN 6-FT OF COVER WILL BE ELIGIBLE TO ALSO BE PAID THE BID ITEM FOR "EXTRA DEPTH TRENCH EXCAVATION GREATER THAN 6-FOOT COVER".

CONNECTION TO EX. SYSTEM - NE 122ND PL

DETAIL SCALE: NTS



- WATER NOTES**
- INSTALL 8\" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
 - INSTALL 6\" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
 - INSTALL FH ASSEMBLY PER NUD STD DTL 3, SHT 29. POTHOLE HYDRANT LOCATION AND BRANCH CROSSINGS PRIOR TO ORDERING FH ASSEMBLY. INSTALL BLUE TYPE 2 RPM ON STREET SURFACE ADJACENT TO MAIN PORT FOR HYDANT CONNECTION PER CITY OF KIRKLAND REQUIREMENTS.
 - INSTALL NEW 1\" W SERVICE PER NUD STD DTL 4 AND 9, SHT 29 COORDINATE W/ NUD PRIOR TO SWAP.
 - INSTALL 2\" BLOW OFF ASSEMBLY PER NUD STD DTL 10, SHT 29 INCLUDING TEE AND TB.
 - ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
 - REMOVE AND SALVAGE EXISTING FH AND DELIVER TO DISTRICT YARD IN KENMORE IN CLEAN AND OPERATIONAL CONDITION. CLOSE EXISTING FH VALVE, REMOVE VALVE BOX AND REMOVE HYDRANT TO BOOT. BACKFILL AND COMPLETE SURFACE RESTORATION PER STANDARDS.
 - REMOVE EXISTING BO ASSEMBLY AND CAP END OF MAIN. BACKFILL AND SURFACE RESTORATION AS REQUIRED PER STANDARDS.
 - INSTALL NEW METER W/ METER BOX BLOCK OUT PER NUD DTL 18, SHT 30

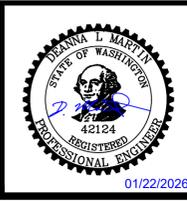


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APPROVAL	DLM
DATE	JAN 2026



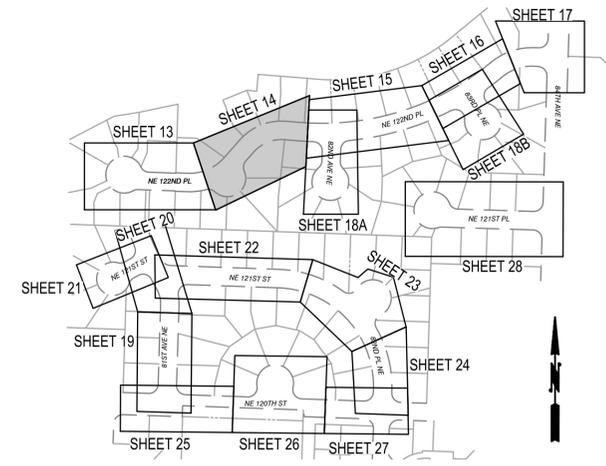
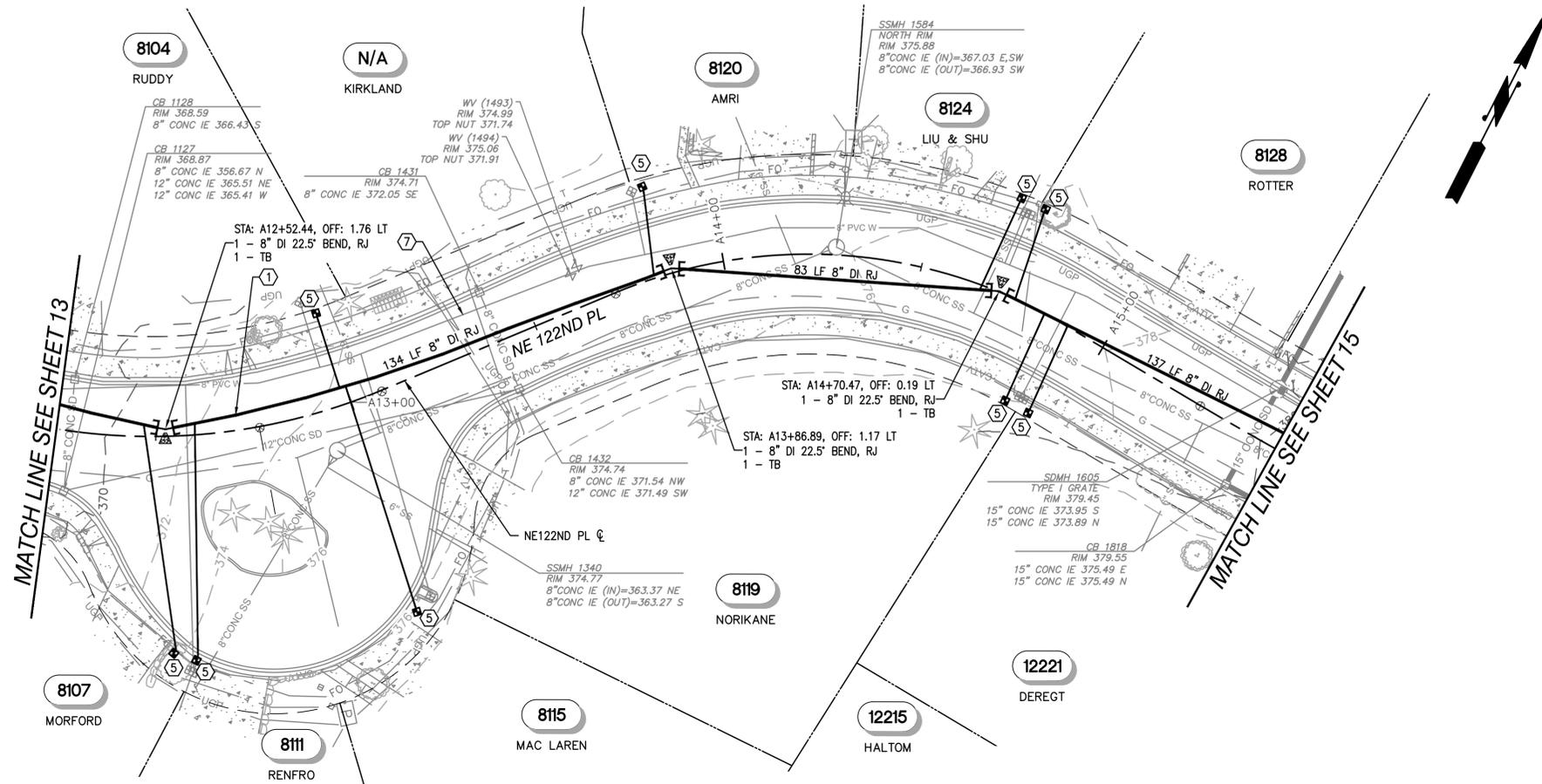
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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 122ND PL - STA A10+00 TO STA A12+25

BASE MAP K6
 C2305
 SHEET
 13 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM1 January 26, 2026 12:05:09pm K:\SNO_PublicSector\080181000 NUD 122-84-2 - CADD\PlanSheets\C-WATR-122ND-A.dwg

SE 1/4, SEC 25, T26N, R4E, WM

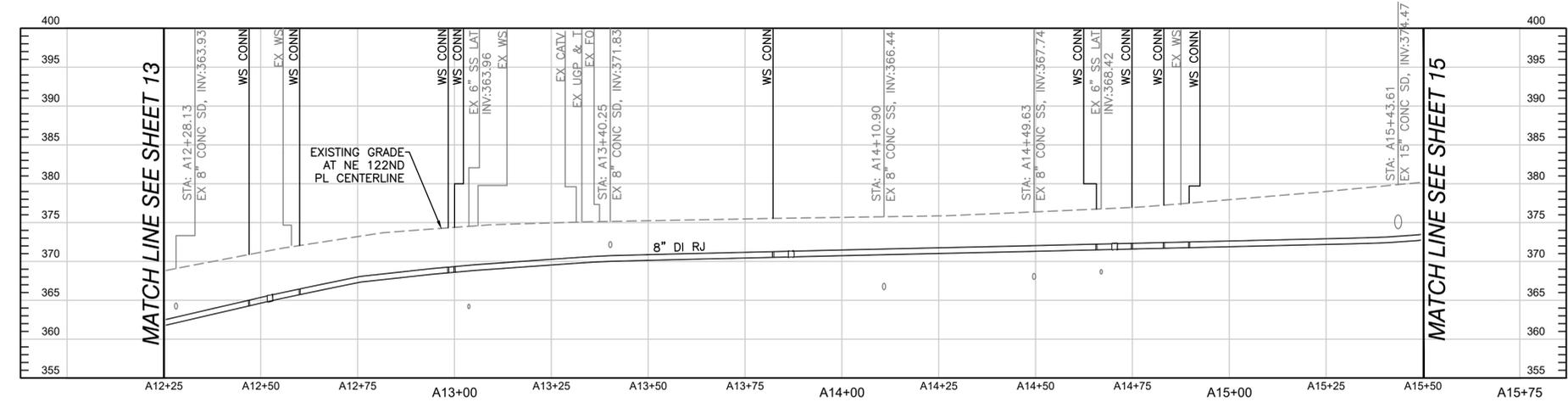


KEY MAP
NTS

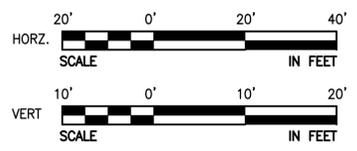
- GENERAL NOTES:**
- SEE SHT 2 FOR LEGEND, SEE SHT 3 FOR GENERAL NOTES, SHT 4 FOR SURVEY CONTROL INFORMATION.
 - SEE PLAN SHT 6 TO SHT 12 FOR TESC PLANS. INSTALL TESC FACILITIES PRIOR TO EXCAVATION.
 - PROVIDE ETHAFOAM PROTECTION BETWEEN UTILITIES WHEN SEPARATION BETWEEN PROPOSED WATERLINES AND EXISTING UTILITIES ARE LESS THAN 12".
 - SEE PLAN SHT 31 TO SHT 37 FOR RESTORATION PLANS.
 - ALL SERVICE CONNECTIONS ARE ASSUMED TO HAVE A PRIVATE PRV DEVICE ON THE BACKSIDE OF THE METER, HOWEVER THE EXACT LOCATION IS UNKNOWN. A REPLACEMENT PRV MAY BE REQUIRED AT THE TIME OF WATER SERVICE RECONNECTION IF AN EXISTING PRV IS PRESENT ON THE BACKSIDE OF THE METER; SEE SPECIFICATION SECTION 3.8 FOR REQUIREMENTS WHEN INSTALLING NEW WATER SERVICES AND NUD STD DTL 21, SHT 30 FOR PRIVATE PRV REPLACEMENT.
 - UTILITY POLES AND STREET LIGHTS LOCATED ADJACENT TO THE TRENCH OR IMPROVEMENTS SHALL BE TEMPORARILY SUPPORTED WHILE THE WORK IS COMPLETED. COORDINATE SUPPORT OF POLES AND STREET LIGHTS WITH UTILITY OWNER PRIOR TO CONSTRUCTION AND PROVIDE SUPPORT AT NO ADDITIONAL COST.
 - 3-FT MIN. COVER OVER PIPE IS REQUIRED FOR WATER MAIN PER NUD STANDARDS. HOWEVER, MOST WATER MAIN IN THIS PROJECT AREA WILL REQUIRE 4-FT TO 6-FT OF COVER OVER THE PIPE TO AVOID UTILITY CONFLICTS. CONTRACTOR SHALL INSTALL PIPE AS SHOWN IN THE PROFILE TO CROSS EXISTING UTILITIES WITHOUT CREATING LOCALIZED HIGH POINTS EXCEPT WHERE PLANS INDICATE TO USE AN ARV. PIPE INSTALLED WITH GREATER THAN 6-FT OF COVER WILL BE ELIGIBLE TO ALSO BE PAID THE BID ITEM FOR "EXTRA DEPTH TRENCH EXCAVATION GREATER THAN 6-FOOT COVER".

WATER NOTES

- INSTALL 8" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
- INSTALL NEW 1" W SERVICE PER NUD STD DTL 4 AND 9, SHT 29 COORDINATE W/ NUD PRIOR TO SWAP.
- ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.



NE 122ND PL - STA A12+25 TO STA A15+50



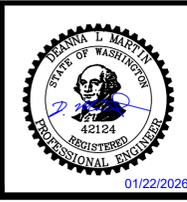
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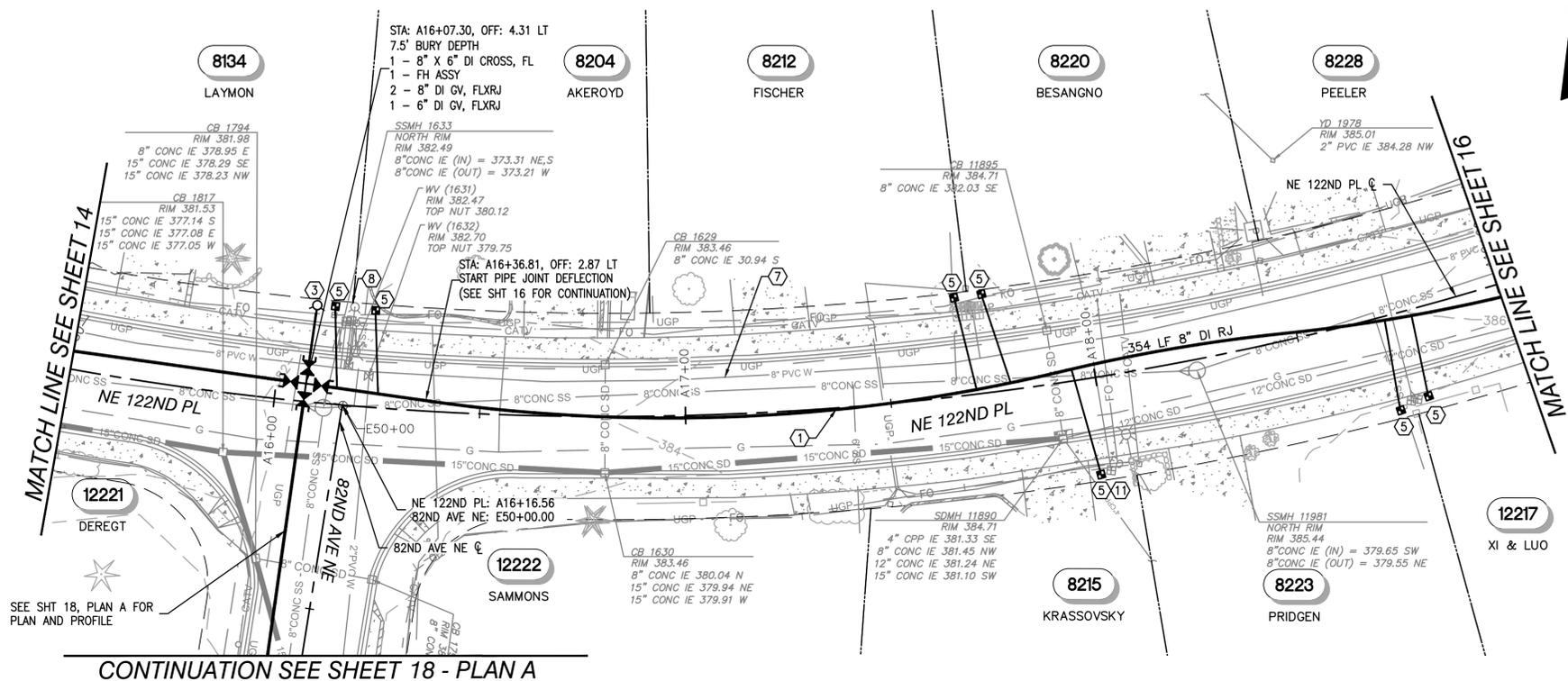
CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS

WATER PLAN AND PROFILE
NE 122ND PL - STA A12+25 TO STA A15+50

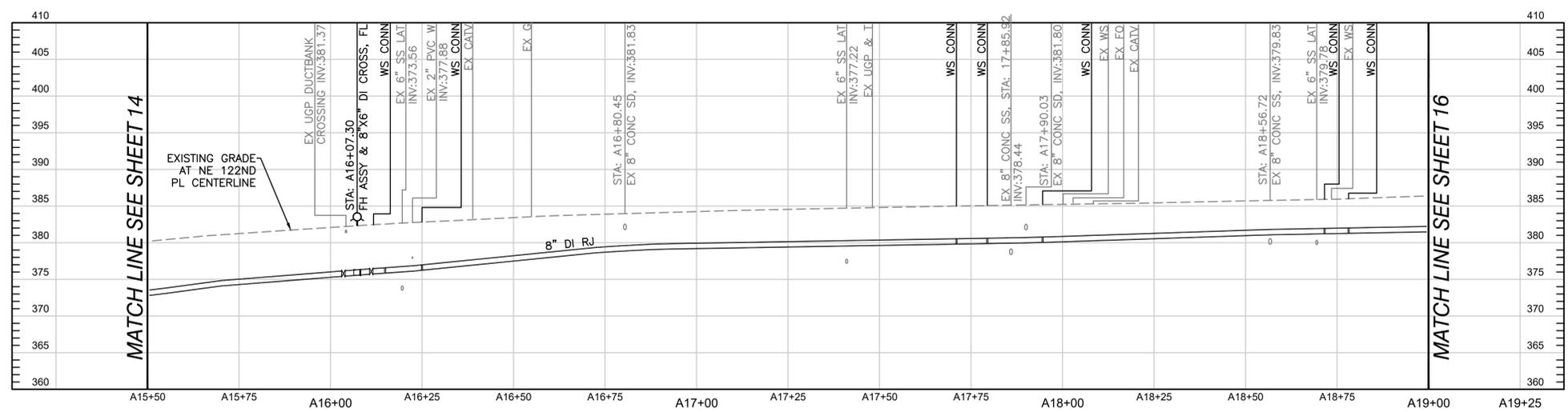
BASE MAP K6
C2305
SHEET
14 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM2 January 26, 2026 12:05:24pm K:\SNO_PublicSector\090181000 NUD 122-84.2 - CADD\PlanSheets\C-WATR-122ND-A.dwg

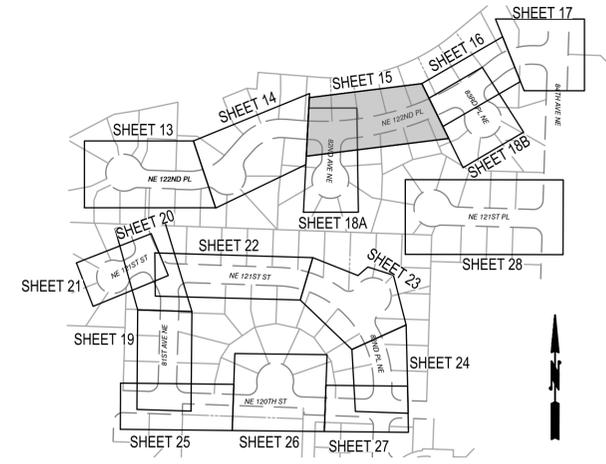
SE 1/4, SEC 25, T26N, R4E, WM



CONTINUATION SEE SHEET 18 - PLAN A



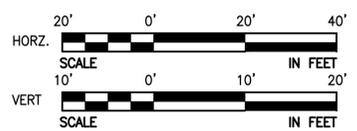
NE 122ND PL - STA A15+50 TO A19+00



KEY MAP

- GENERAL NOTES:**
- SEE SHT 2 FOR LEGEND, SEE SHT 3 FOR GENERAL NOTES, SHT 4 FOR SURVEY CONTROL INFORMATION.
 - SEE PLAN SHT 6 TO SHT 12 FOR TESC PLANS. INSTALL TESC FACILITIES PRIOR TO EXCAVATION.
 - PROVIDE ETHAFOAM PROTECTION BETWEEN UTILITIES WHEN SEPARATION BETWEEN PROPOSED WATERLINES AND EXISTING UTILITIES ARE LESS THAN 12".
 - SEE PLAN SHT 31 TO SHT 37 FOR RESTORATION PLANS.
 - ALL SERVICE CONNECTIONS ARE ASSUMED TO HAVE A PRIVATE PRV DEVICE ON THE BACKSIDE OF THE METER, HOWEVER THE EXACT LOCATION IS UNKNOWN. A REPLACEMENT PRV MAY BE REQUIRED AT THE TIME OF WATER SERVICE RECONNECTION IF AN EXISTING PRV IS PRESENT ON THE BACKSIDE OF THE METER; SEE SPECIFICATION SECTION 3.8 FOR REQUIREMENTS WHEN INSTALLING NEW WATER SERVICES AND NUD STD DTL 21, SHT 30 FOR PRIVATE PRV REPLACEMENT.
 - UTILITY POLES AND STREET LIGHTS LOCATED ADJACENT TO THE TRENCH OR IMPROVEMENTS SHALL BE TEMPORARILY SUPPORTED WHILE THE WORK IS COMPLETED. COORDINATE SUPPORT OF POLES AND STREET LIGHTS WITH UTILITY OWNER PRIOR TO CONSTRUCTION AND PROVIDE SUPPORT AT NO ADDITIONAL COST.
 - 3-FT MIN. COVER OVER PIPE IS REQUIRED FOR WATER MAIN PER NUD STANDARDS. HOWEVER, MOST WATER MAIN IN THIS PROJECT AREA WILL REQUIRE 4-FT TO 6-FT OF COVER OVER THE PIPE TO AVOID UTILITY CONFLICTS. CONTRACTOR SHALL INSTALL PIPE AS SHOWN IN THE PROFILE TO CROSS EXISTING UTILITIES WITHOUT CREATING LOCALIZED HIGH POINTS EXCEPT WHERE PLANS INDICATE TO USE AN ARV. PIPE INSTALLED WITH GREATER THAN 6-FT OF COVER WILL BE ELIGIBLE TO ALSO BE PAID THE BID ITEM FOR "EXTRA DEPTH TRENCH EXCAVATION GREATER THAN 6- FEET COVER".

- WATER NOTES**
- INSTALL 8" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
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 - REMOVE AND SALVAGE EXISTING FH AND DELIVER TO DISTRICT YARD IN KENMORE IN CLEAN AND OPERATIONAL CONDITION. CLOSE EXISTING FH VALVE, REMOVE VALVE BOX AND REMOVE HYDRANT TO BOOT. BACKFILL AND COMPLETE SURFACE RESTORATION PER STANDARDS.
 - INSTALL NEW METER W/ METER BOX BLOCK OUT PER NUD DTL 18, SHT 30



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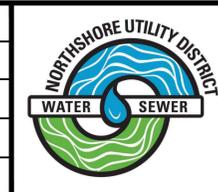
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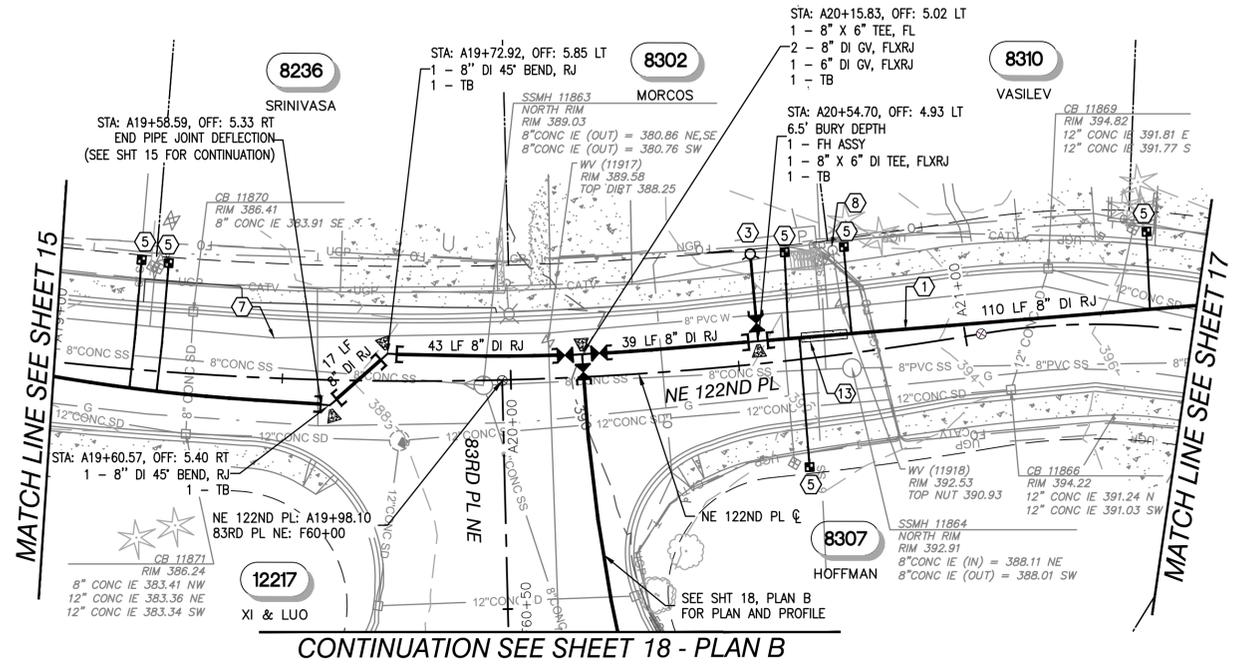
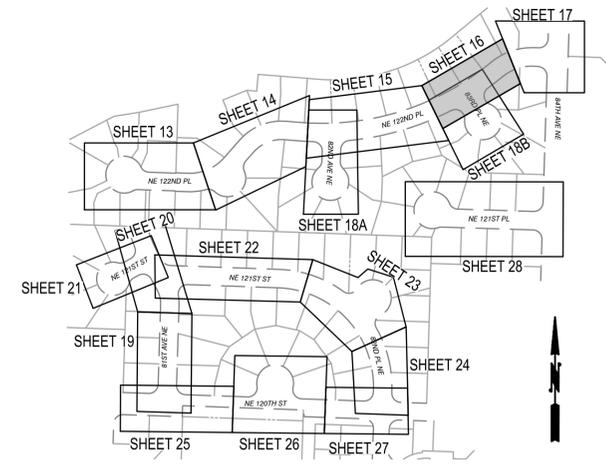
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WATER PLAN AND PROFILE
 NE 122ND PL - STA A15+50 TO A19+00

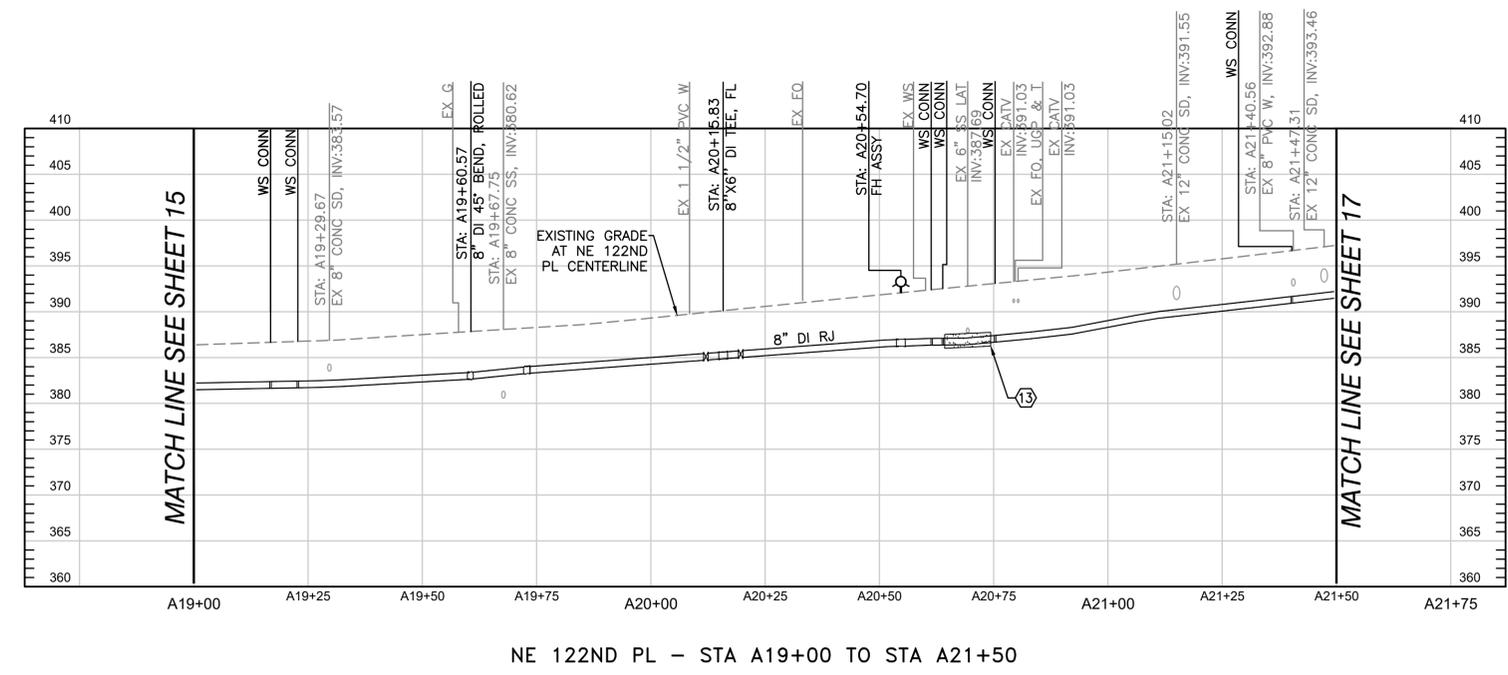
BASE MAP K6
 C2305
 SHEET
 15 OF 50

SE 1/4, SEC 25, T26N, R4E, WM



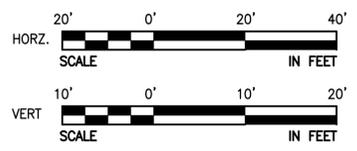
KEY MAP
NTS

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- ENCASE WATER MAIN IN POLYETHYLENE WRAP AND CDF TO 5-FT ON EITHER SIDE OF CROSSING UNDER SEWER.



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DATE	JAN 2026



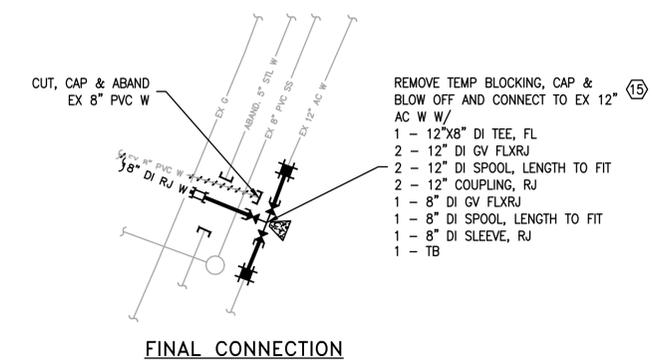
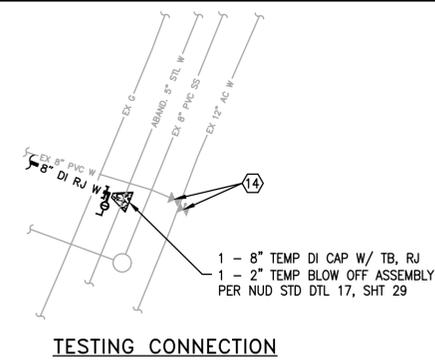
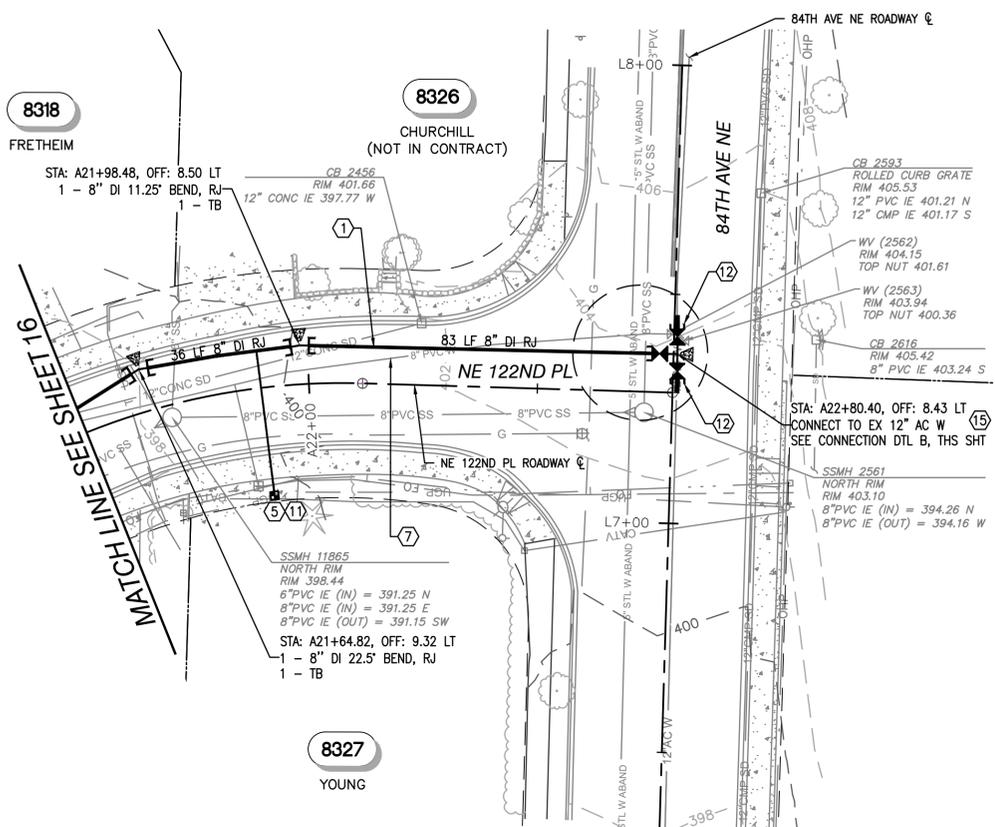
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 122-84 WATER MAIN IMPROVEMENTS

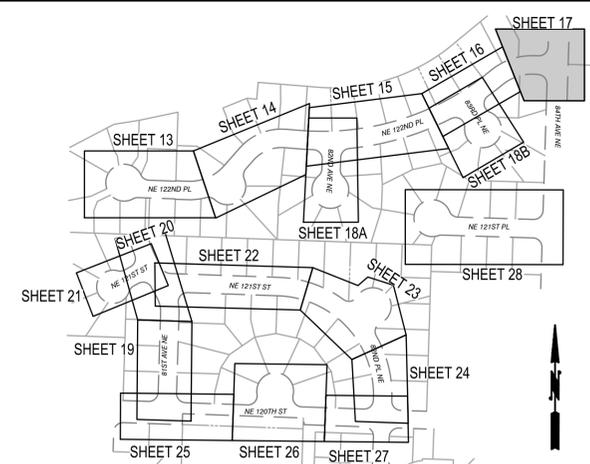
WATER PLAN AND PROFILE
NE 122ND PL - STA A19+00 TO STA A21+50

BASE MAP K6
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SHEET
16 OF 50

SE 1/4, SEC 25, T26N, R4E, WM



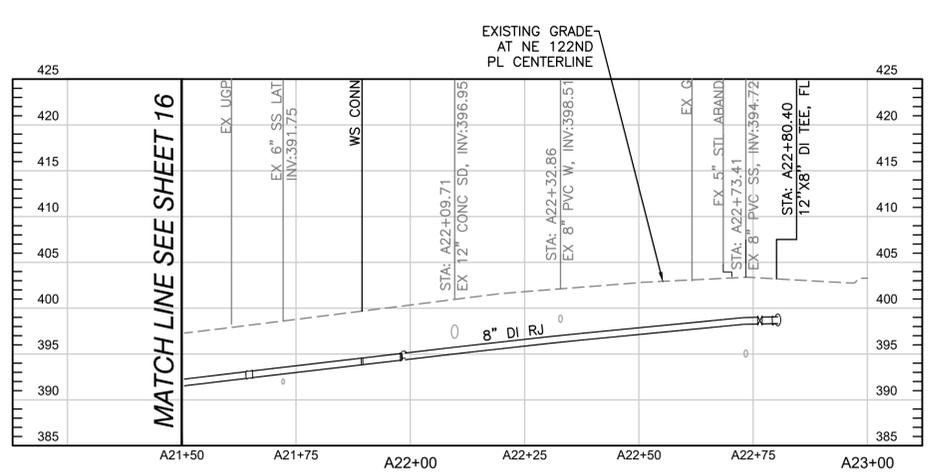
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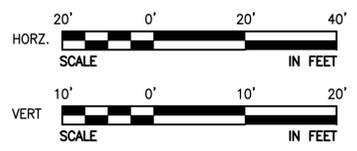
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 - INSTALL NEW METER W/ METER BOX BLOCK OUT PER NUD DTL 18, SHT 30
 - FURNISH 12" GV W/ 10" TALL VALVE BOX TOP, PRODUCT 85557010 MANUFACTURED BY EJ OR ENGINEER APPROVED EQUAL.
 - REMOVE EXISTING 8" AND 12" VALVE FOR FINAL CONNECTION.
 - REMOVE AND PROPERLY DISPOSE OF EXIST. 12" AC WATER MAIN AS NECESSARY TO MAKE CONNECTION. REFER TO SECTION 10.30 OF THE CURRENT VERSION OF NUD'S STANDARDS FOR INSTALLATION.



NE 122ND PL - STA A21+50 TO STA A22+80



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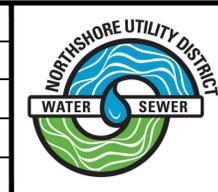
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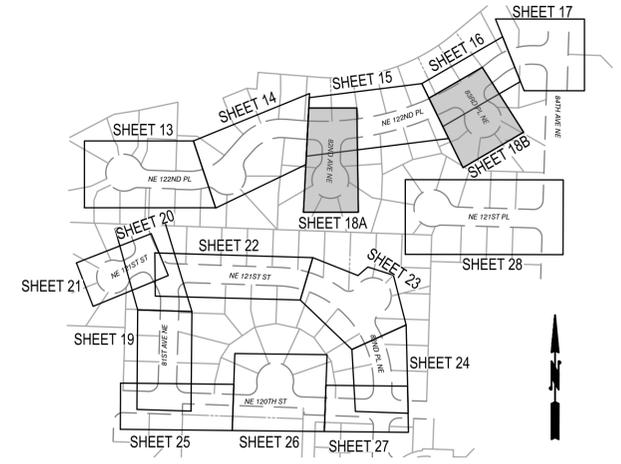
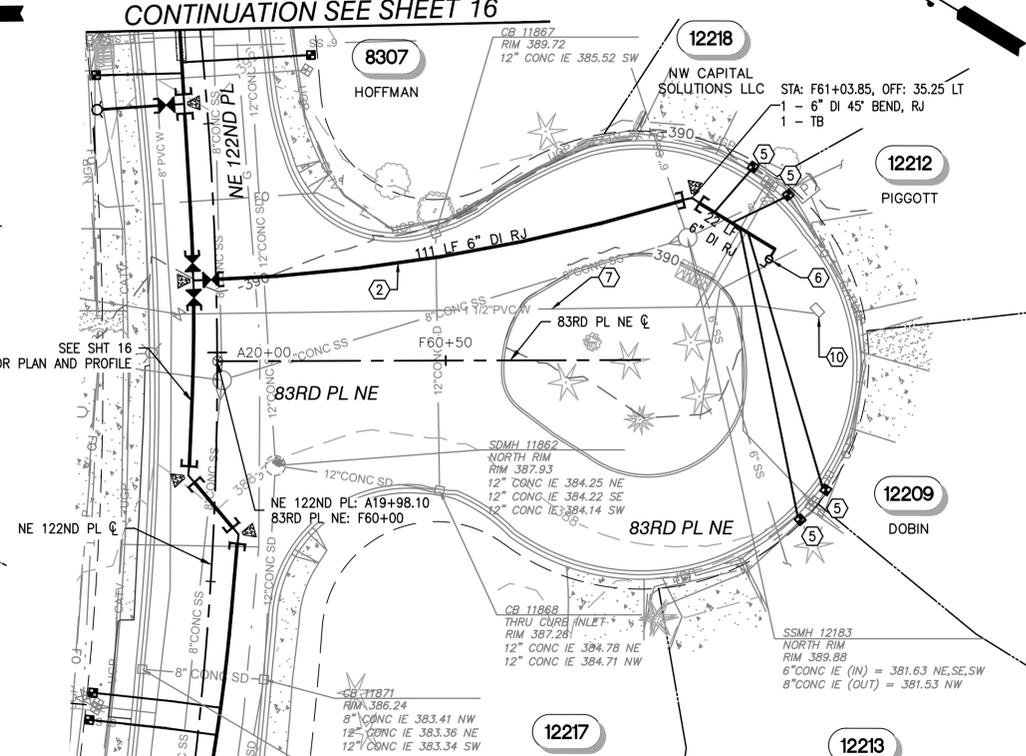
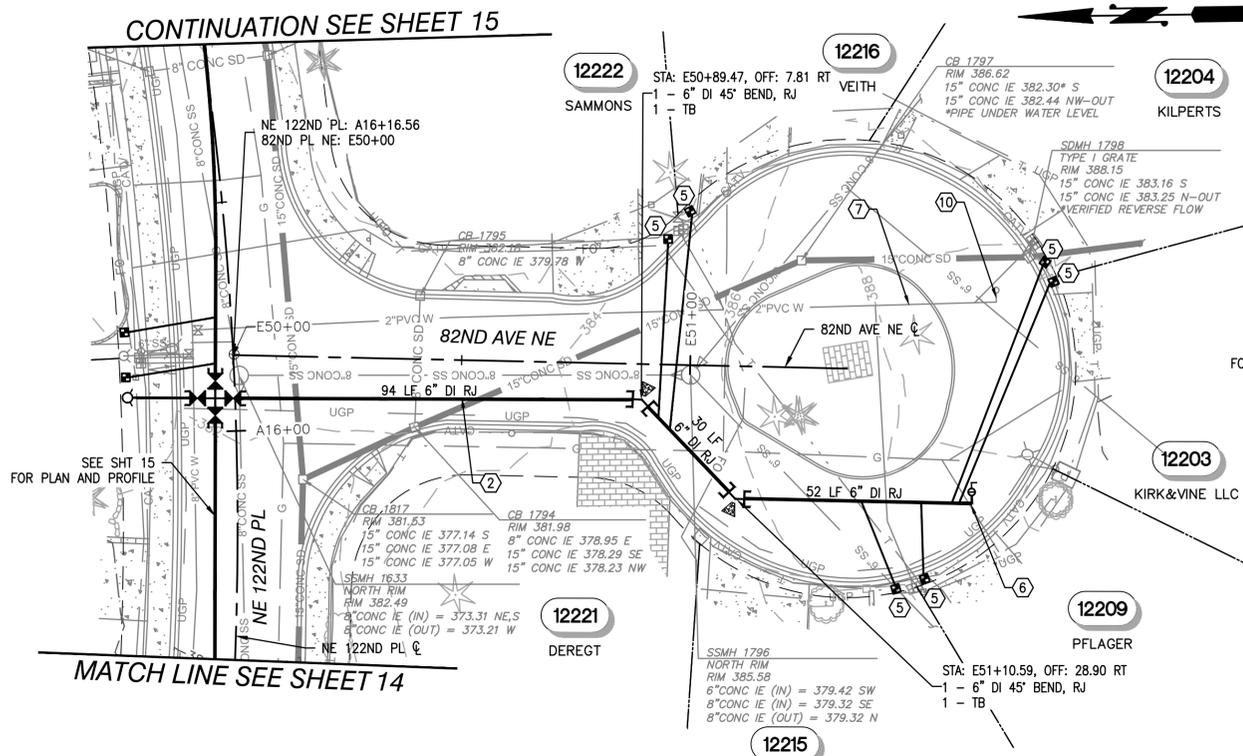
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS

WATER PLAN AND PROFILE
NE 122ND PL - STA A21+50 TO STA A22+80

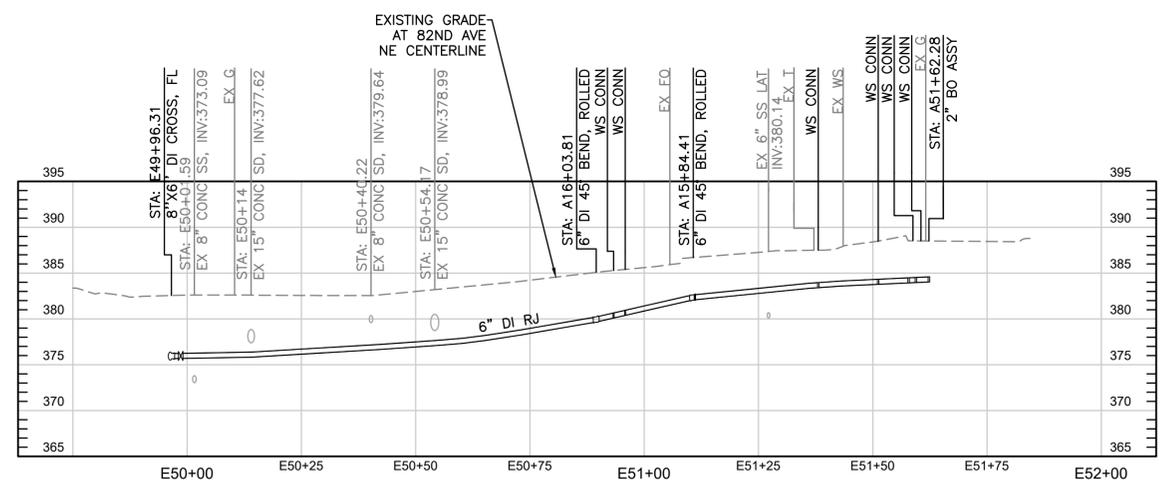
BASE MAP K6
C2305
SHEET
17 OF 50

SE 1/4, SEC 25, T26N, R4E, WM

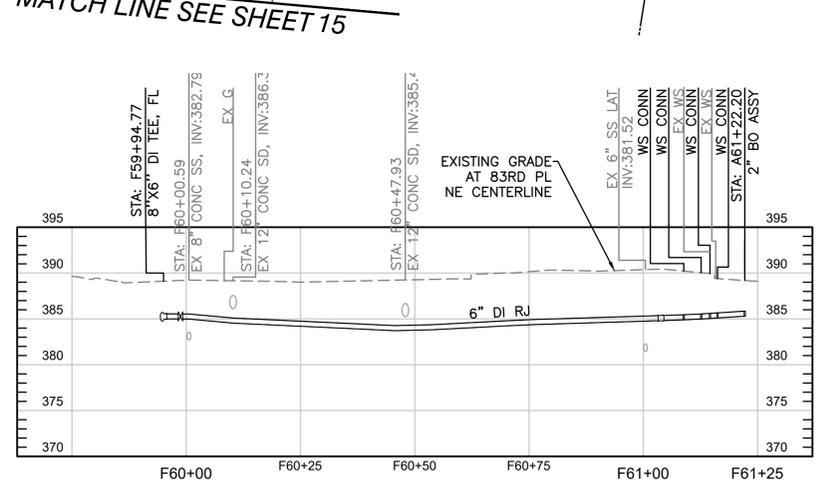


KEY MAP
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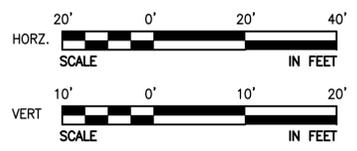


82ND AVE NE - STA E50+00 TO STA E51+75
PLAN & PROFILE A - 82ND AVE NE



83RD PL NE - STA F60+00 TO STA F61+25
PLAN & PROFILE B - 83RD PL NE

- WATER NOTES**
- INSTALL 6" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
 - INSTALL NEW 1" W SERVICE PER NUD STD DTL 4 AND 9, SHT 29 COORDINATE W/ NUD PRIOR TO SWAP.
 - INSTALL 2" BLOW OFF ASSEMBLY PER NUD STD DTL 10, SHT 29 INCLUDING TEE AND TB.
 - ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
 - REMOVE EXISTING BO ASSEMBLY AND CAP END OF MAIN. BACKFILL AND SURFACE RESTORATION AS REQUIRED PER STANDARDS.



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Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM6 January 26, 2026 12:06:19pm K:\SNO_PublicSector\080181000 NUD 122-84-2 - CADD\PlanSheets\C-WATR-122ND-B.dwg

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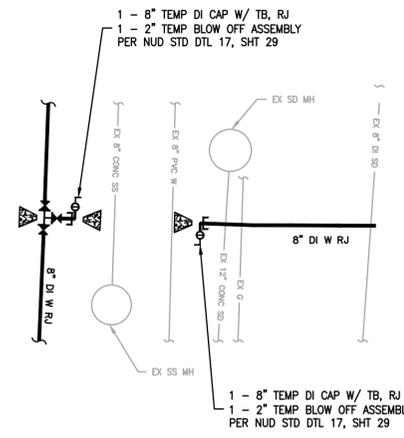
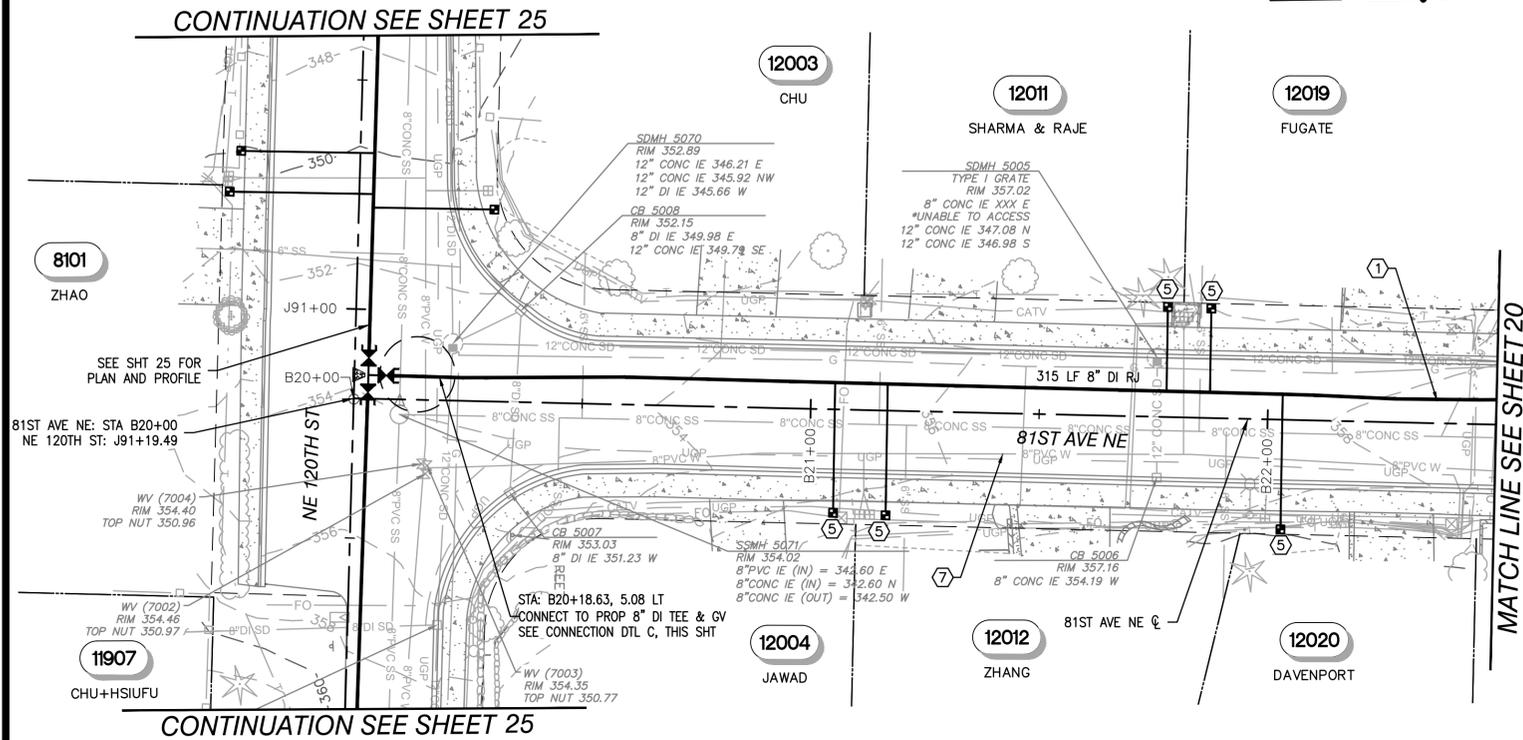
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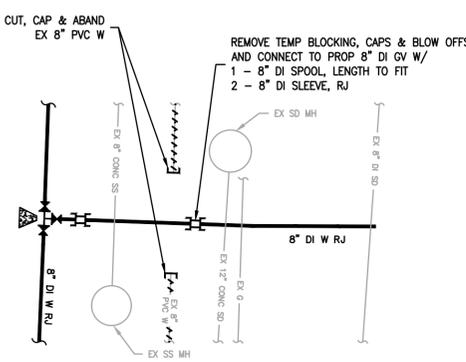
CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
82ND AVE NE - E50+00 TO STA E51+75 - 83RD PL NE - STA F60+00 TO STA F61+25

BASE MAP K6
C2305
SHEET
18 OF 50

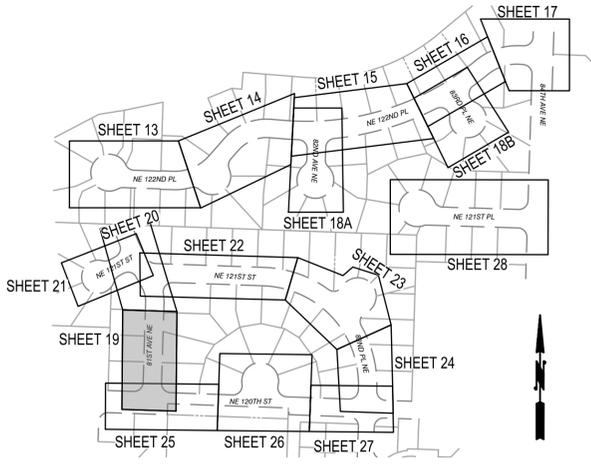
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TESTING CONNECTION



FINAL CONNECTION

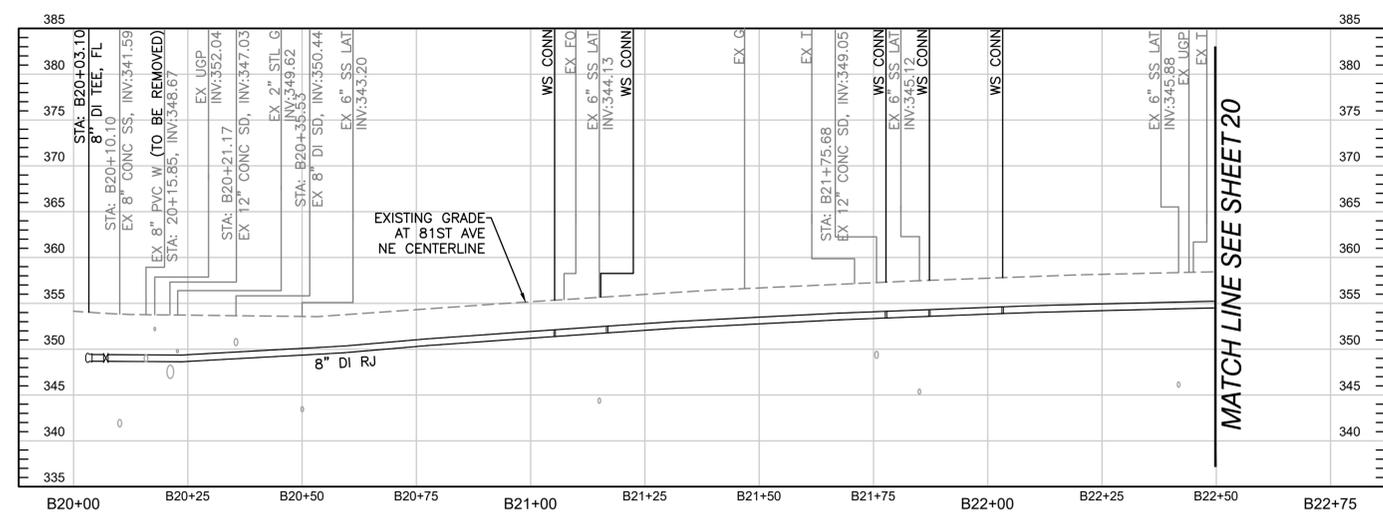


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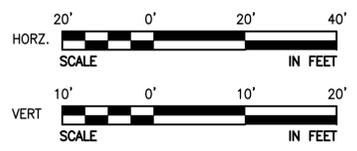
CONNECTION TO EX. SYSTEM -
81ST AVE NE AND NE 120TH ST



81ST AVE NE - STA B20+00 TO STA B22+50

WATER NOTES

- INSTALL 8" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
- INSTALL NEW 1" W SERVICE PER NUD STD DTL 4 AND 9, SHT 29 COORDINATE W/ NUD PRIOR TO SWAP.
- ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.

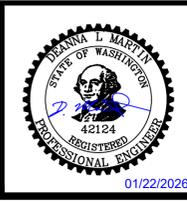


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NO	BY	APPD	REVISION	DATE
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BID SET

WARNING
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DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



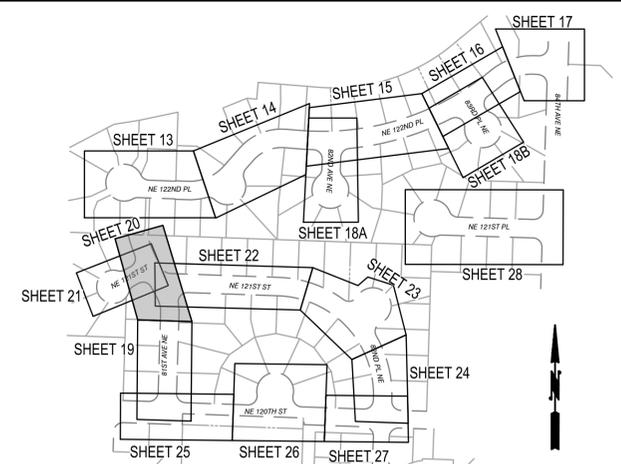
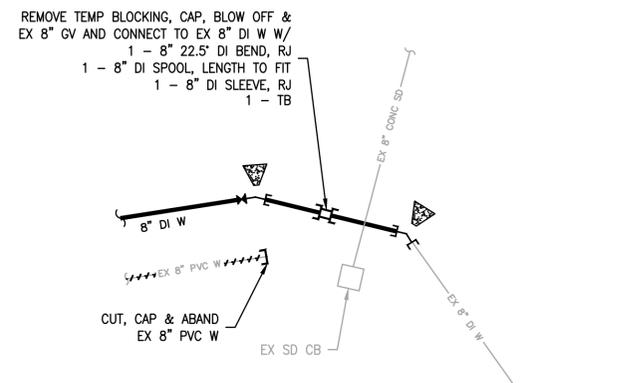
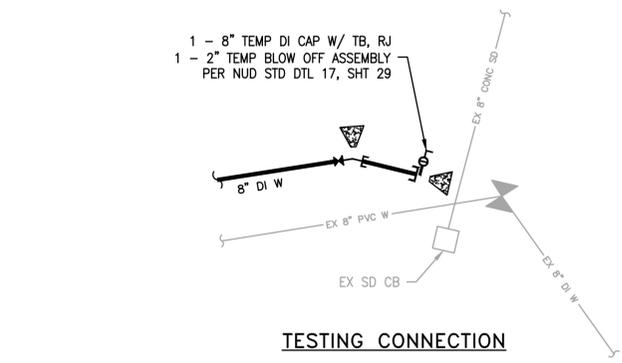
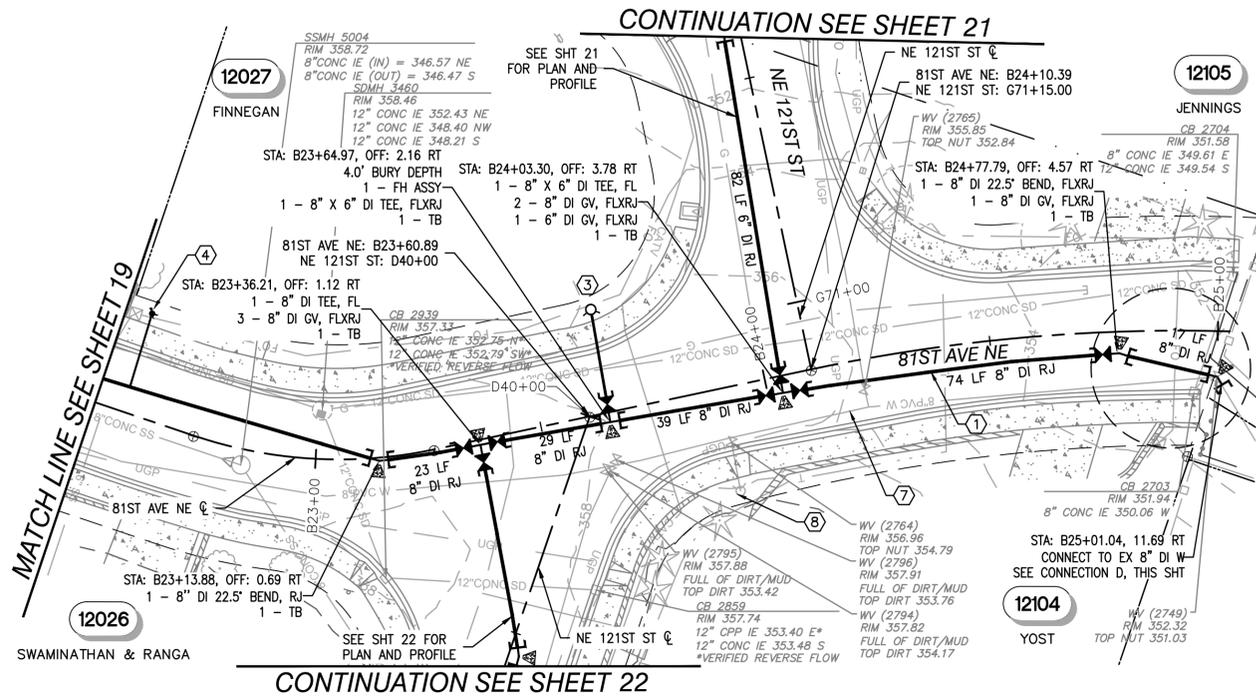
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
81ST AVE NE - STA B20+00 TO STA B22+50

BASE MAP K6
C2305
SHEET
19 OF 50

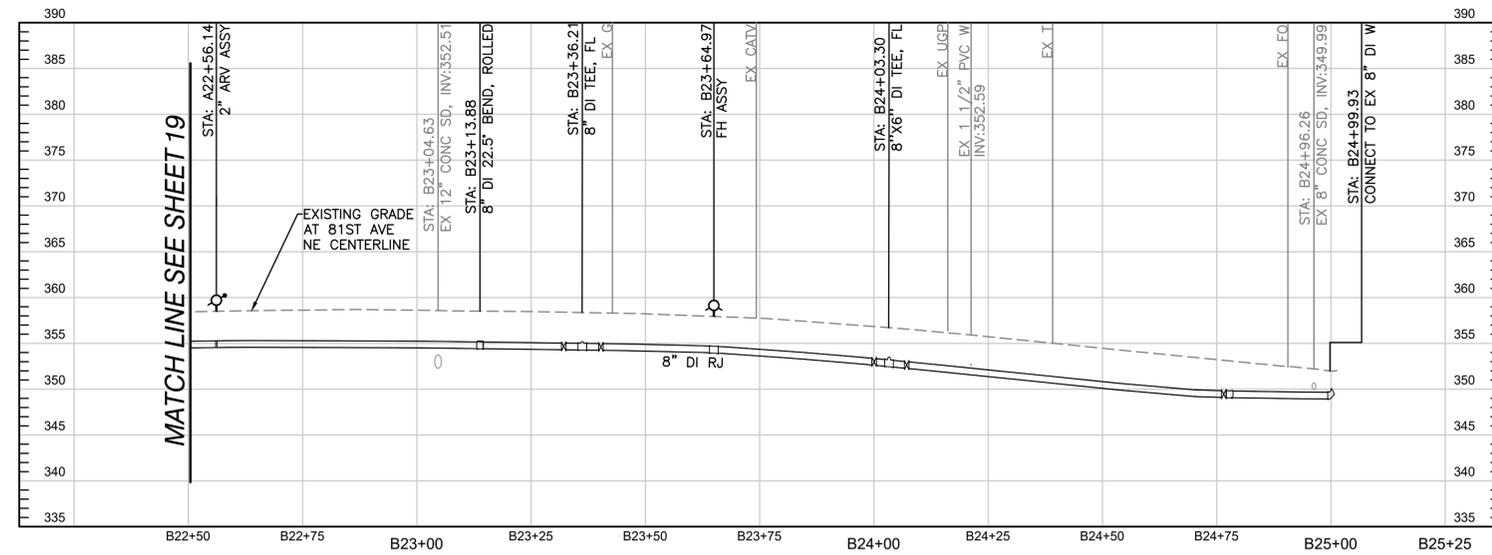
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SE 1/4, SEC 25, T26N, R4E, WM



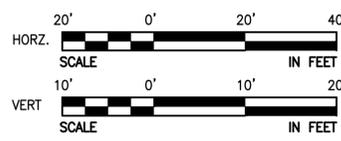
KEY MAP
NTS

- GENERAL NOTES:**
- SEE SHT 2 FOR LEGEND, SEE SHT 3 FOR GENERAL NOTES, SHT 4 FOR SURVEY CONTROL INFORMATION.
 - SEE PLAN SHT 6 TO SHT 12 FOR TESC PLANS. INSTALL TESC FACILITIES PRIOR TO EXCAVATION.
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CONNECTION TO EX. SYSTEM -
81ST AVE NE AND TRACT B
DETAIL
SCALE: NTS

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- INSTALL 8" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
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 - INSTALL 2" COMBINATION AIR AND VACCUUM RELIEF VALVE ASSEMBLY PER NUD STD DTL 8, SHT 29.
 - ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
 - REMOVE AND SALVAGE EXISTING FH AND DELIVER TO DISTRICT YARD IN KENMORE IN CLEAN AND OPERATIONAL CONDITION. CLOSE EXISTING FH VALVE, REMOVE VALVE BOX AND REMOVE HYDRANT TO BOOT. BACKFILL AND COMPLETE SURFACE RESTORATION PER STANDARDS.



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NO	BY	APPD	REVISION	DATE
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BID SET

WARNING
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DESIGNED BY: NEK
DRAWN BY: JA
CHECKED BY: DLM
APPROVAL: DLM
DATE: JAN 2026

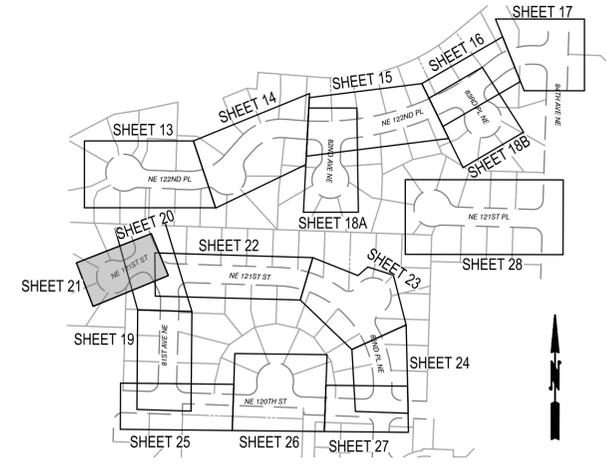
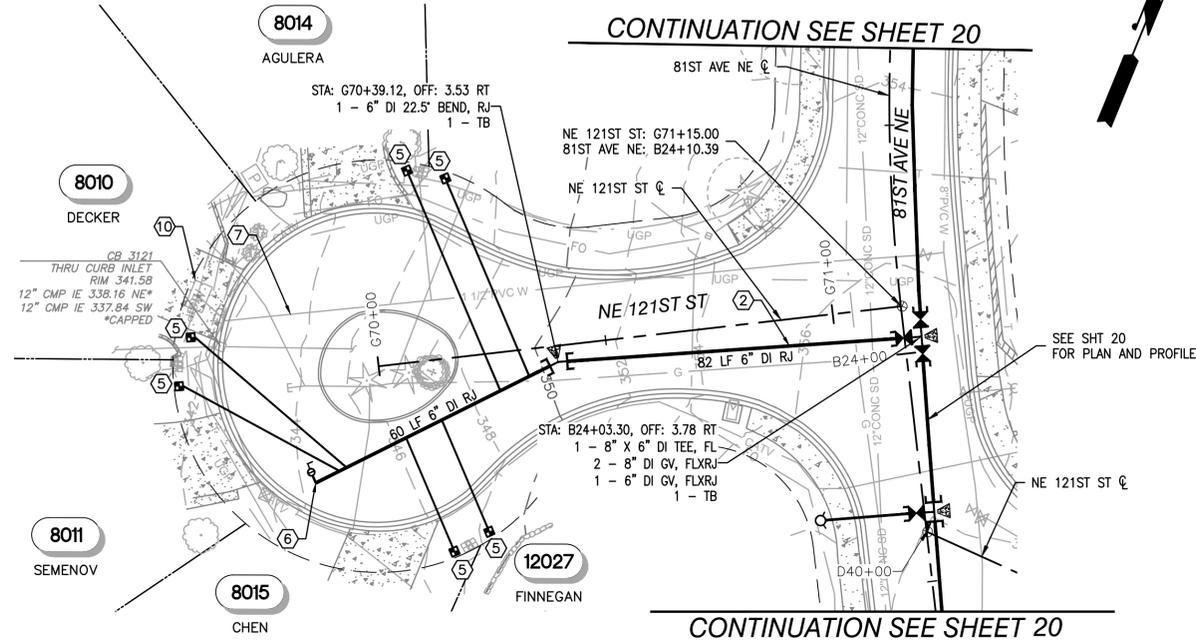
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
81ST AVE NE - STA B22+50 TO STA B25+00

BASE MAP K6
C2305
SHEET
20 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WMB January 26, 2026 12:06:37pm K:\NO_PublicSector\090181000 NUD 122-84_2 - CADD\PlanSheets\C-WATR-81ST-A.dwg

SE 1/4, SEC 25, T26N, R4E, WM



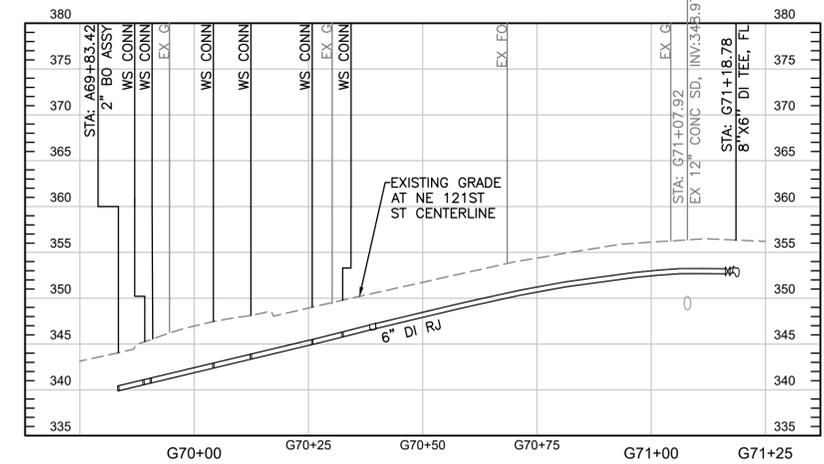
KEY MAP
NTS

GENERAL NOTES:

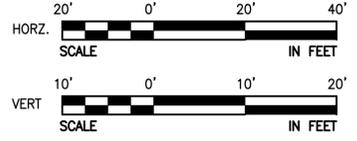
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WATER NOTES

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- INSTALL NEW 1" W SERVICE PER NUD STD DTL 4 AND 9, SHT 29 COORDINATE W/ NUD PRIOR TO SWAP.
- INSTALL 2" BLOW OFF ASSEMBLY PER NUD STD DTL 10, SHT 29 INCLUDING TEE AND TB.
- ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
- REMOVE EXISTING BO ASSEMBLY AND CAP END OF MAIN. BACKFILL AND SURFACE RESTORATION AS REQUIRED PER STANDARDS.



NE 121ST ST - STA G70+00 TO STA G71+25

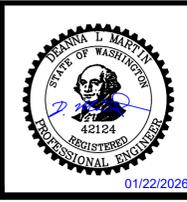


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WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



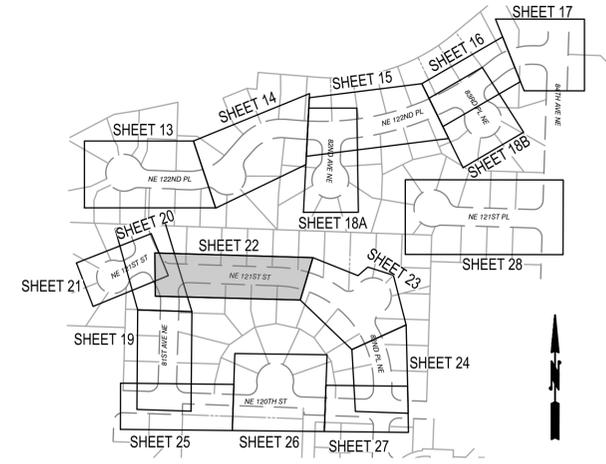
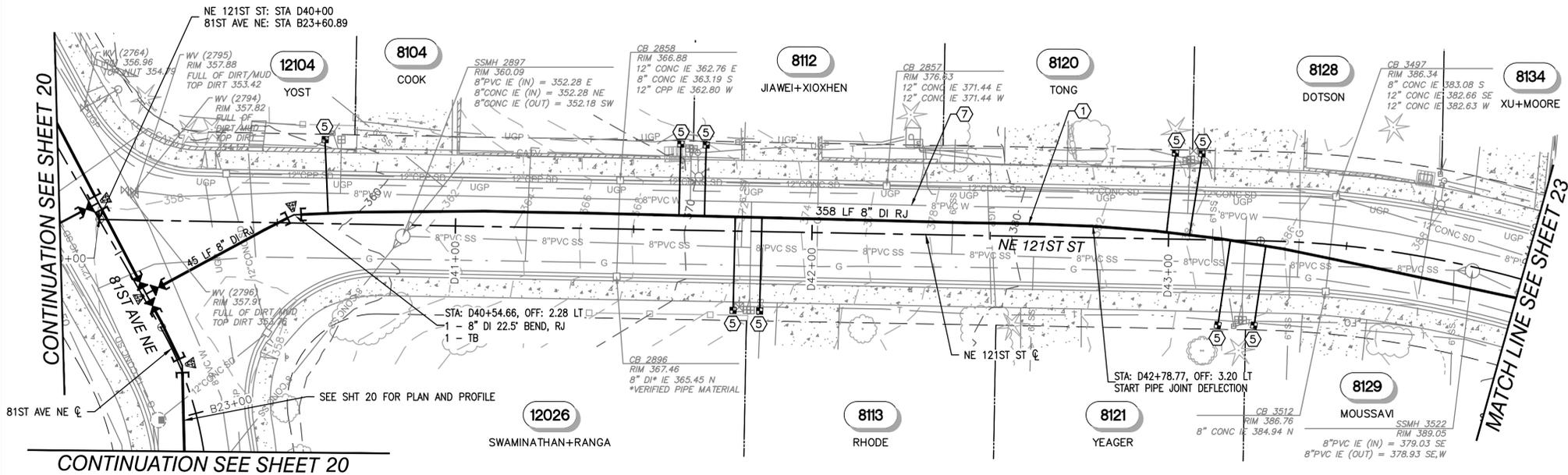
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Kenmore, WA 98028-2684 Kenmore, WA 98028-2684
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 121ST ST - STA G70+00 TO STA G71+25

BASE MAP K6
C2305
SHEET
21 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM9 January 26, 2026 12:06:47pm K:\SNO_PublicSector\090181000 NUD 122-84.2 - CADD\PlanSheets\C-WATR-81ST-A.dwg

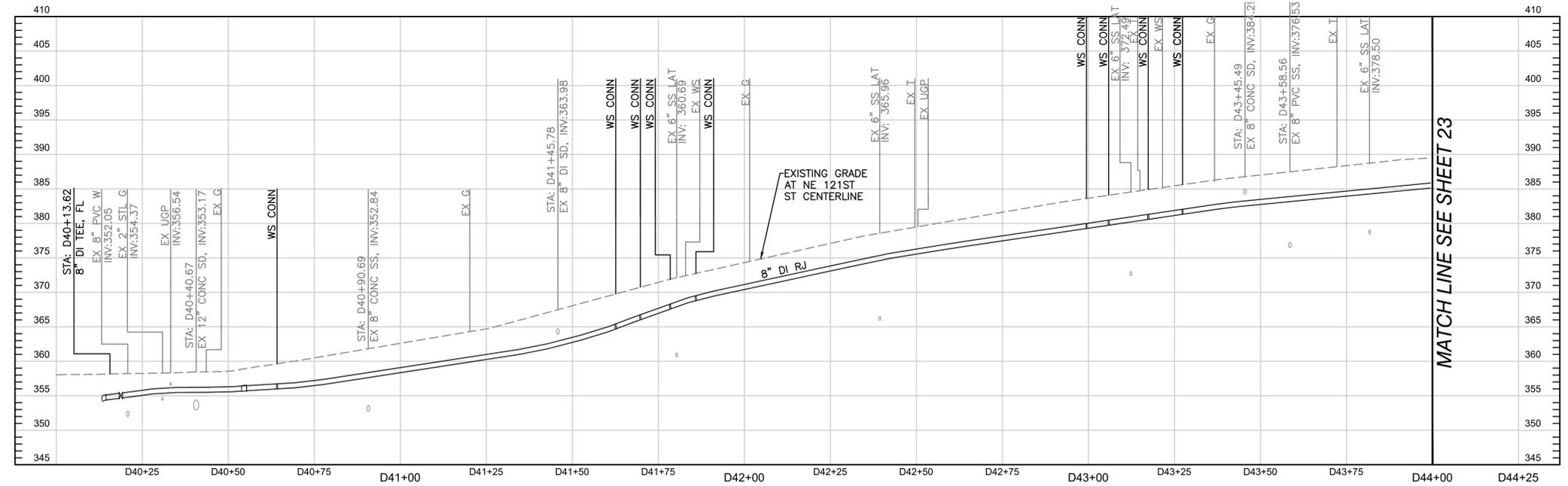
SE 1/4, SEC 25, T26N, R4E, WM



KEY MAP
NTS

GENERAL NOTES:

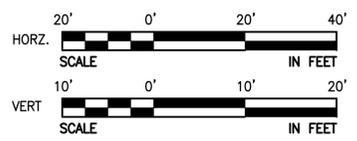
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NE 121ST ST - STA D40+00 TO STA D44+00

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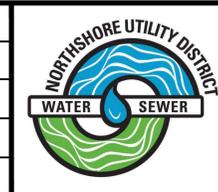
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BID SET

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DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



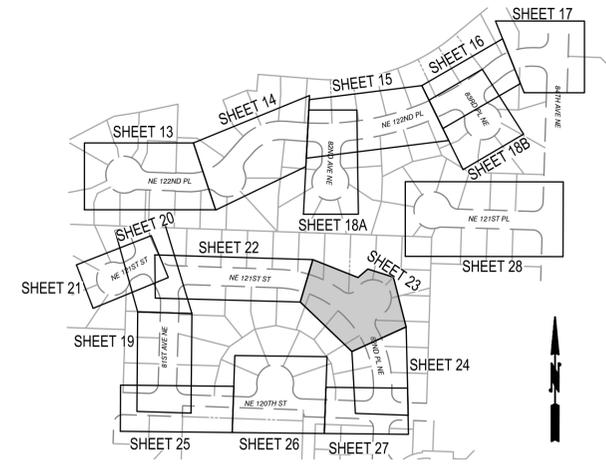
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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 121ST ST - STA D40+00 TO STA D44+00

BASE MAP K6
 C2305
 SHEET
 22 OF 50

Plotted By: Kim, Jenna Sheet Sht: NUD 122-84 Layout: WM10 January 26, 2026 12:07:04pm K:\SNO_PublicSector\090181000 NUD 122-84 V2 - CADD\PlanSheets\C-WATR-121ST-82IND.dwg

SE 1/4, SEC 25, T26N, R4E, WM



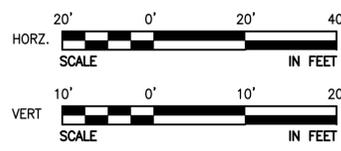
KEY MAP
NTS

GENERAL NOTES:

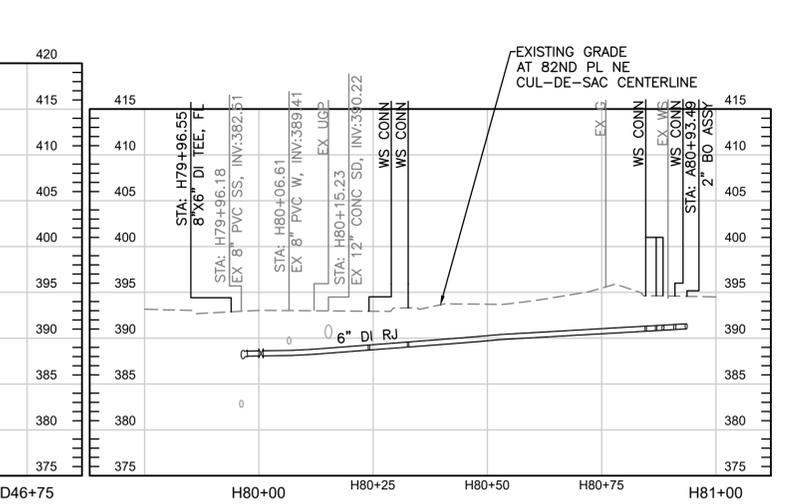
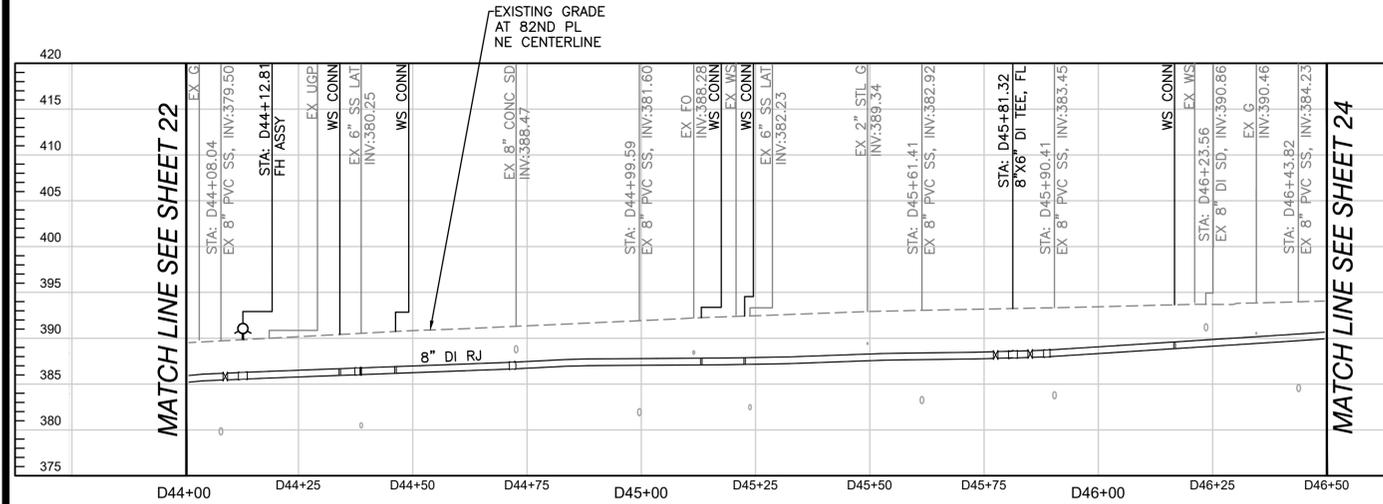
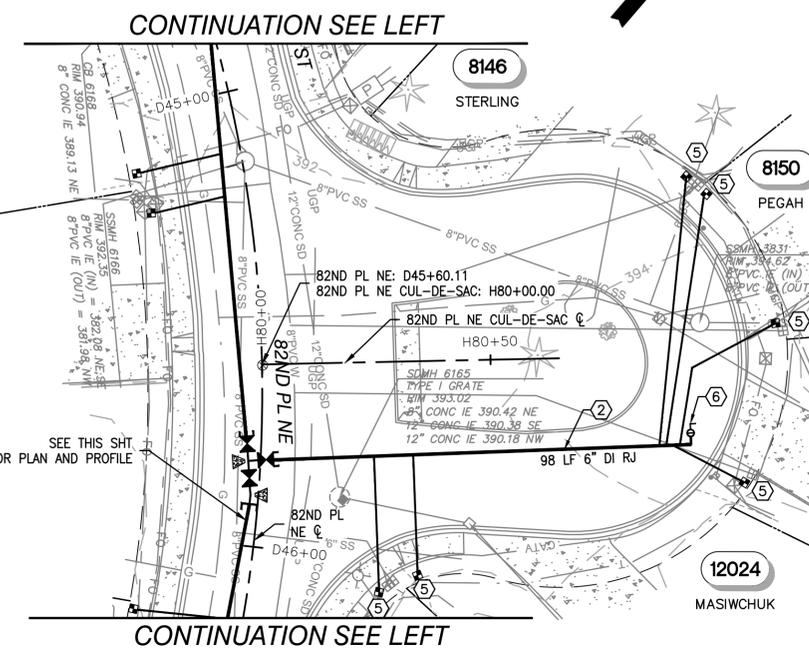
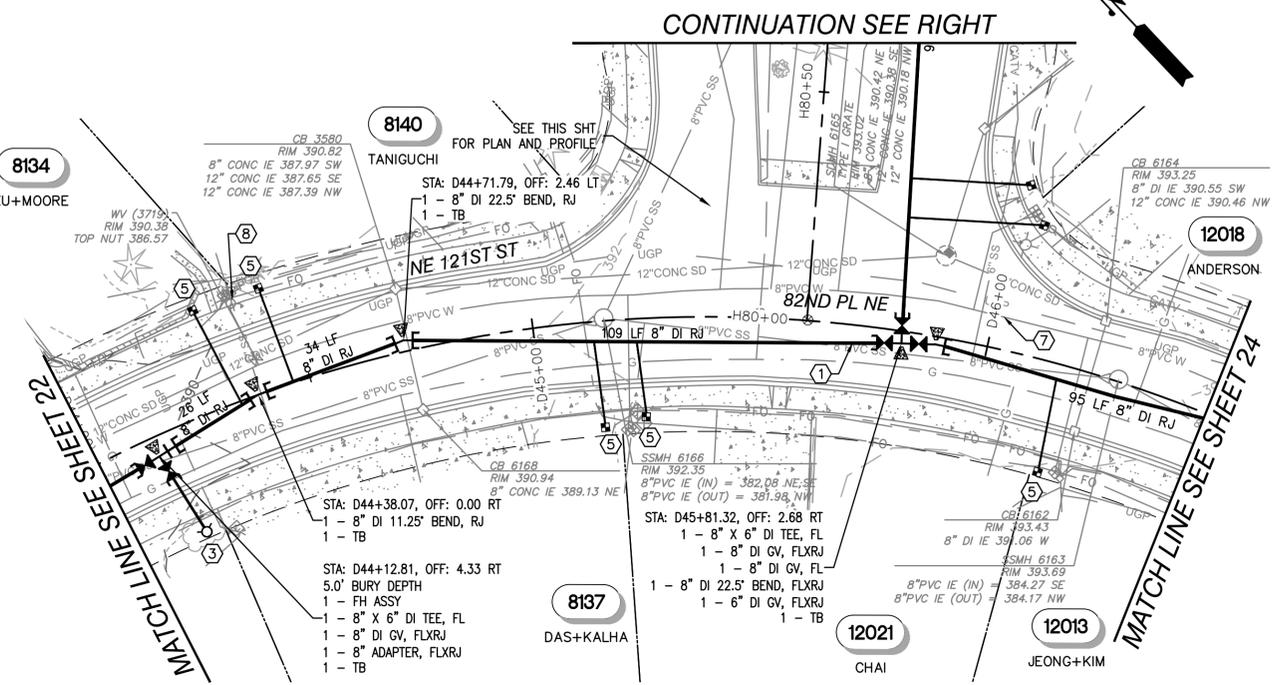
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NE 121ST ST - STA D44+00 TO STA D46+50

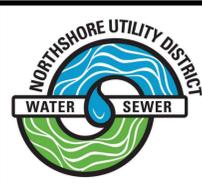
82ND PL NE CUL-DE-SAC - STA H80+00 TO STA H81+15

NO	BY	APPD	REVISION	DATE

BID SET



DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



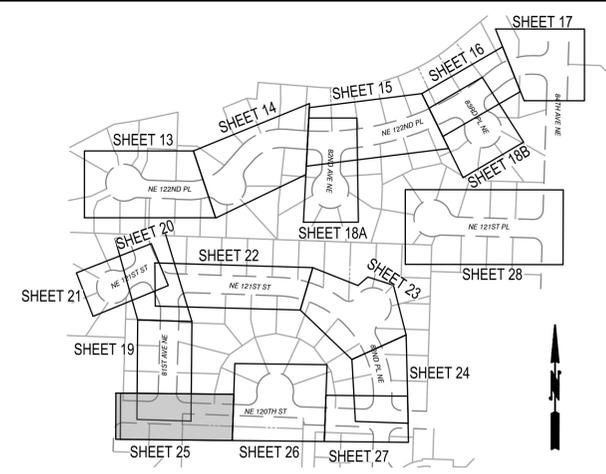
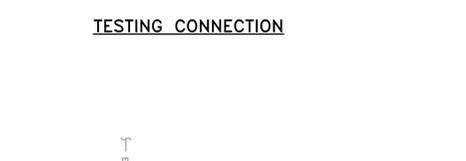
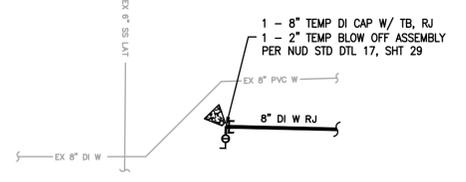
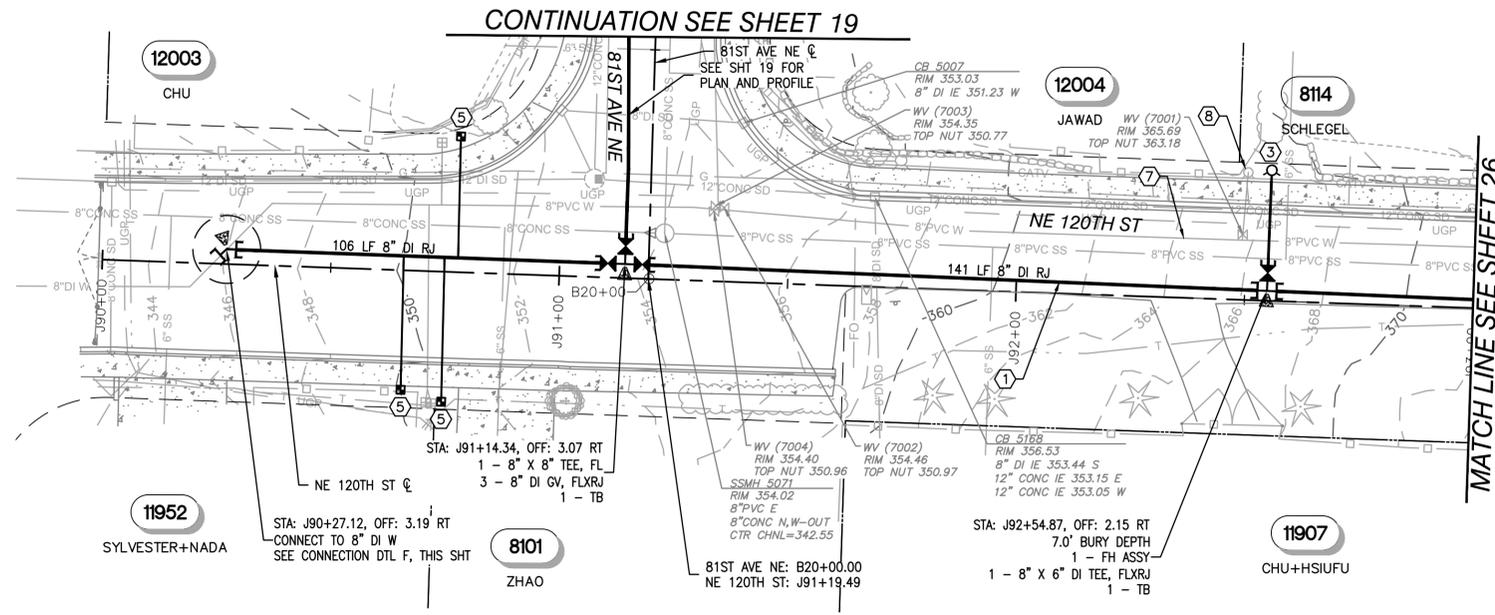
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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 121ST ST - STA D44+00 TO STA D46+50 - 82ND PL NE CUL-DE-SAC - STA H80+00 TO STA H81+15

BASE MAP K6
 C2305
 SHEET
23 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 January 26, 2026 12:07:16pm K:\SNO_PublicSector\090181000 NUD 122-84\3 - CADD\PlanSheets\C-WATR-121ST-82ND.dwg

SE 1/4, SEC 25, T26N, R4E, WM



KEY MAP
NTS

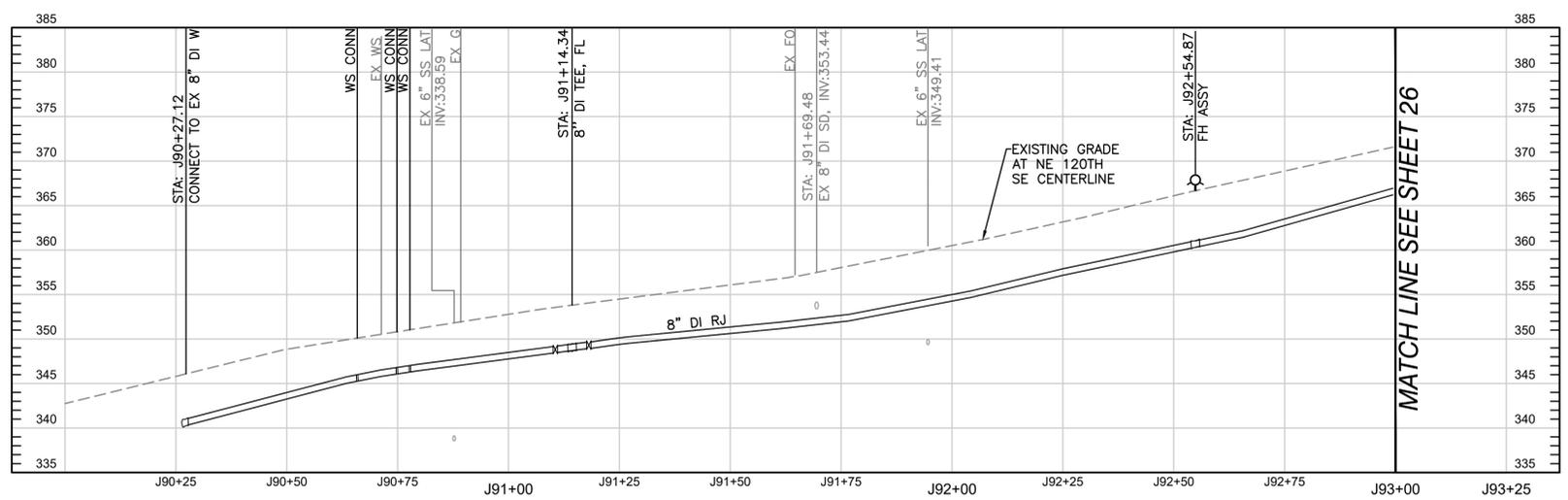
GENERAL NOTES:

- SEE SHT 2 FOR LEGEND, SEE SHT 3 FOR GENERAL NOTES, SHT 4 FOR SURVEY CONTROL INFORMATION.
- SEE PLAN SHT 6 TO SHT 12 FOR TESC PLANS. INSTALL TESC FACILITIES PRIOR TO EXCAVATION.
- PROVIDE ETHAFOAM PROTECTION BETWEEN UTILITIES WHEN SEPARATION BETWEEN PROPOSED WATERLINES AND EXISTING UTILITIES ARE LESS THAN 12".
- SEE PLAN SHT 31 TO SHT 37 FOR RESTORATION PLANS.
- ALL SERVICE CONNECTIONS ARE ASSUMED TO HAVE A PRIVATE PRV DEVICE ON THE BACKSIDE OF THE METER, HOWEVER THE EXACT LOCATION IS UNKNOWN. A REPLACEMENT PRV MAY BE REQUIRED AT THE TIME OF WATER SERVICE RECONNECTION IF AN EXISTING PRV IS PRESENT ON THE BACKSIDE OF THE METER; SEE SPECIFICATION SECTION 3.8 FOR REQUIREMENTS WHEN INSTALLING NEW WATER SERVICES AND NUD STD DTL 21, SHT 30 FOR PRIVATE PRV REPLACEMENT.
- UTILITY POLES AND STREET LIGHTS LOCATED ADJACENT TO THE TRENCH OR IMPROVEMENTS SHALL BE TEMPORARILY SUPPORTED WHILE THE WORK IS COMPLETED. COORDINATE SUPPORT OF POLES AND STREET LIGHTS WITH UTILITY OWNER PRIOR TO CONSTRUCTION AND PROVIDE SUPPORT AT NO ADDITIONAL COST.
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CONNECTION TO EX. SYSTEM -
WEST SIDE OF NE 120TH ST

DETAIL
SCALE: NTS

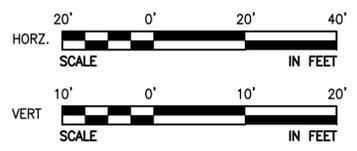
F
25



NE 120TH ST - STA J90+00 TO STA J93+00

WATER NOTES

- INSTALL 8" DI TR-FLEX PIPE (OR EQUIVALENT), CLASS 52 CEMENT LINED.
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- INSTALL NEW 1" W SERVICE PER NUD STD DTL 4 AND 9, SHT 29 COORDINATE W/ NUD PRIOR TO SWAP.
- ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
- REMOVE AND SALVAGE EXISTING FH AND DELIVER TO DISTRICT YARD IN KENMORE IN CLEAN AND OPERATIONAL CONDITION. CLOSE EXISTING FH VALVE, REMOVE VALVE BOX AND REMOVE HYDRANT TO BOOT. BACKFILL AND COMPLETE SURFACE RESTORATION PER STANDARDS.

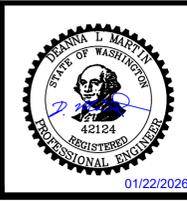


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NO	BY	APPD	REVISION	DATE
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BID SET

WARNING
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DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



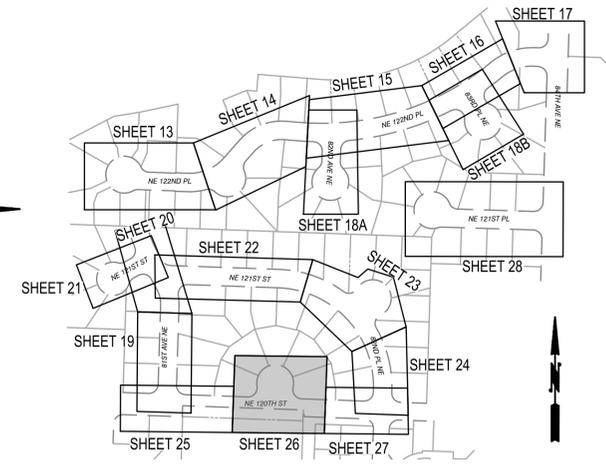
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 120TH ST - STA J90+00 TO STA J93+00

BASE MAP K6
C2305
SHEET
25 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM13 January 26, 2026 12:07:47pm K:\SNO_PublicSector\090181000 NUD 122-84_V2 - CADD\PlanSheets\C-WATR-120TH.dwg

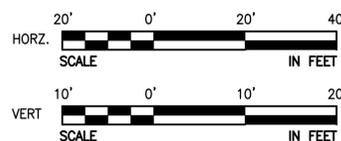
SE 1/4, SEC 25, T26N, R4E, WM



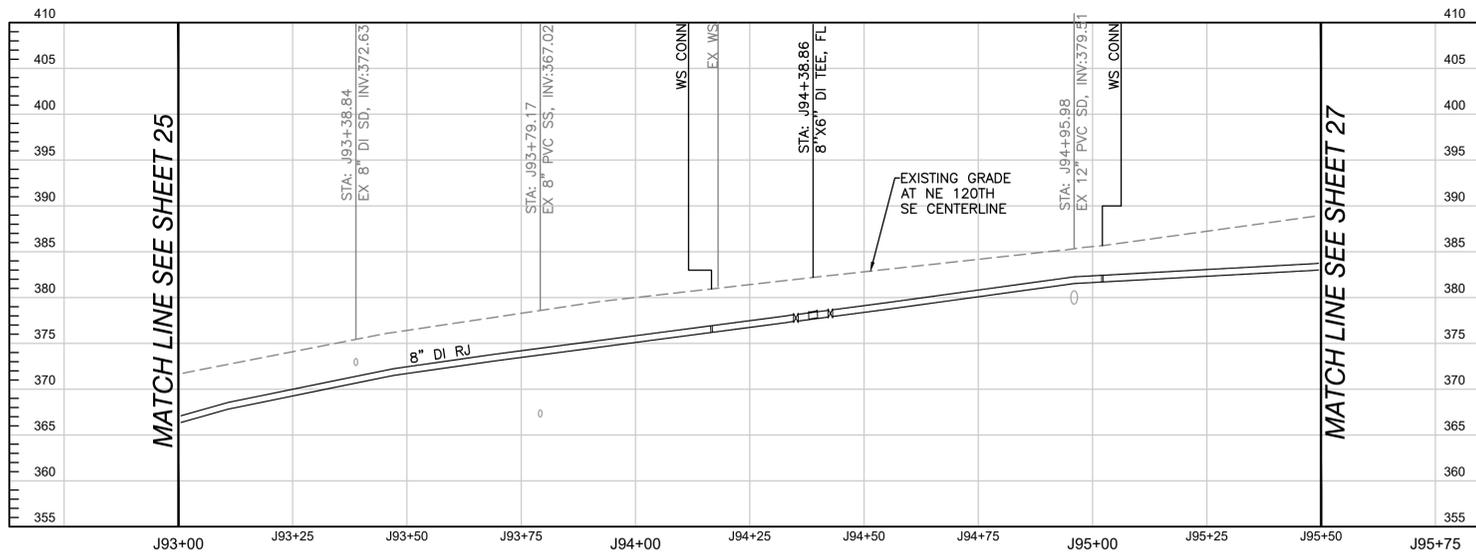
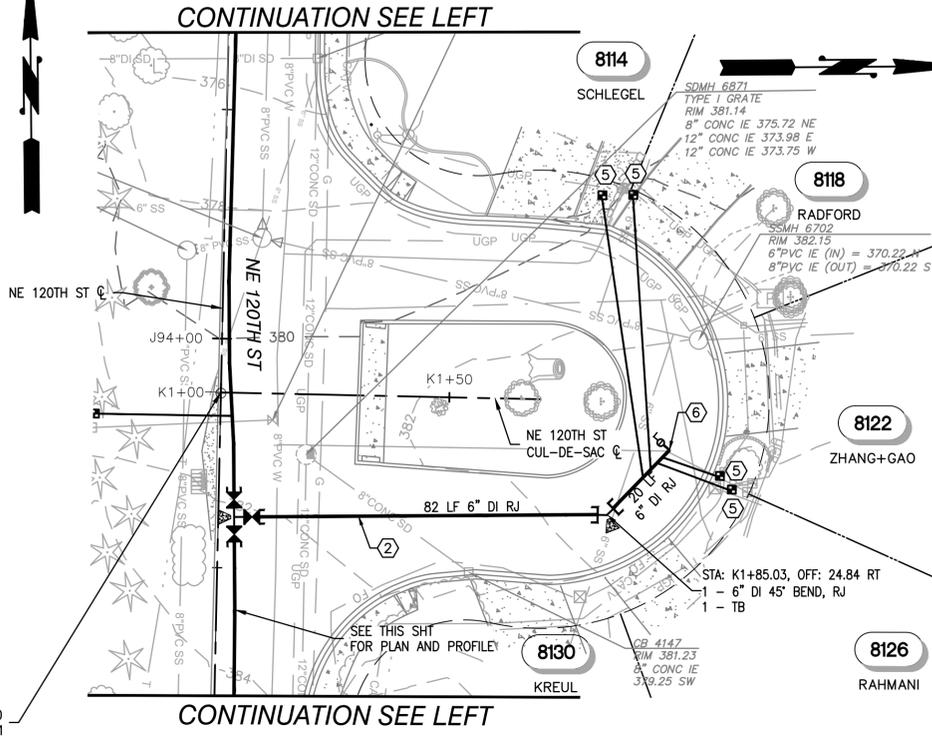
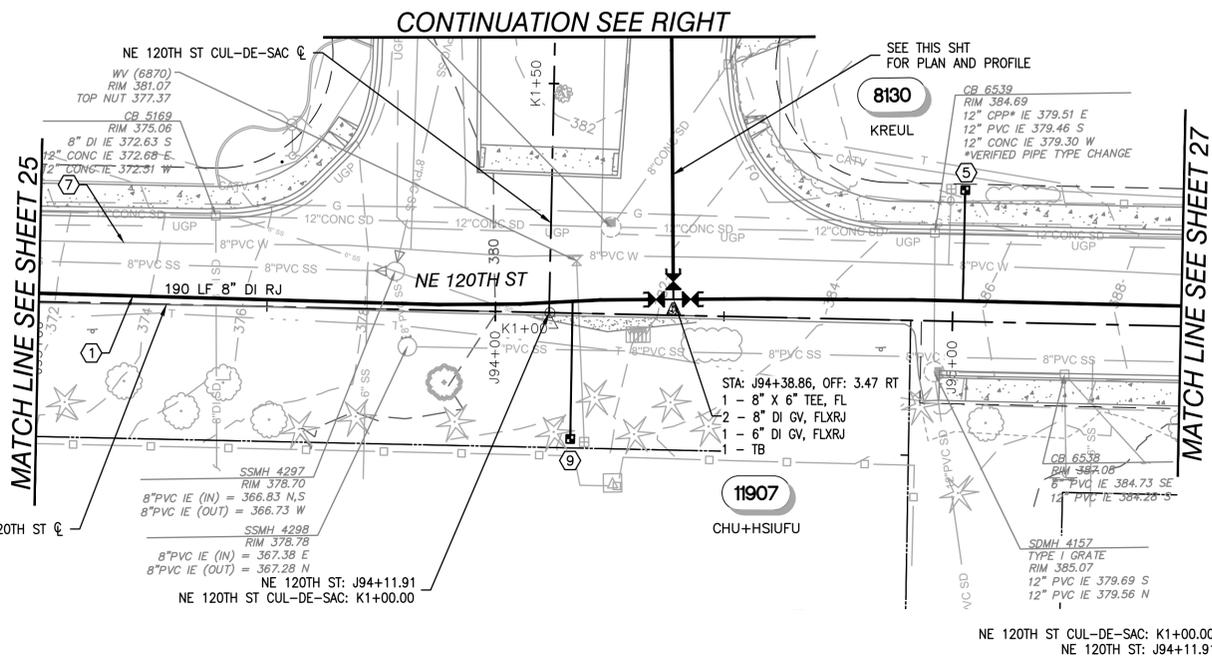
KEY MAP
NTS

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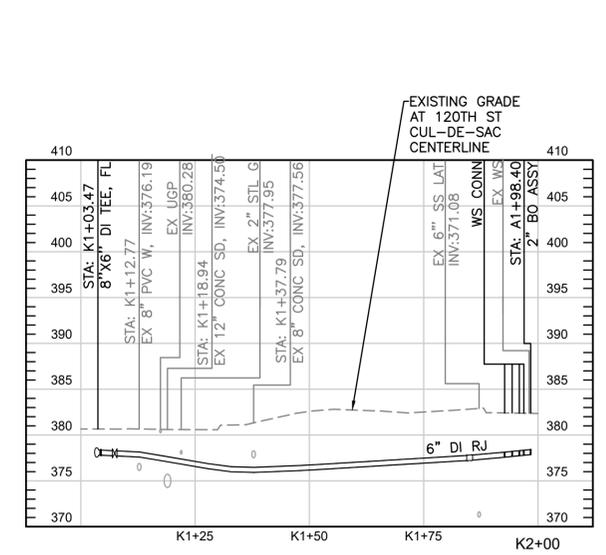
- WATER NOTES**
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 - INSTALL 2" BLOW OFF ASSEMBLY PER NUD STD DTL 10, SHT 29 INCLUDING TEE AND TB.
 - ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
 - INSTALL NEW 2" W SERVICE W/ 1.5" METER PER NUD STD DTL 5 AND 9, SHT 29. COORDINATE W/ NUD PRIOR TO SWAP.



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NE 120TH ST - STA J93+00 TO STA J95+50



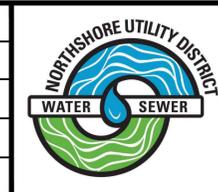
NE 120TH ST CUL-DE-SAC - STA K1+00 TO K2+00

NO	BY	APPD	REVISION	DATE

WARNING
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DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



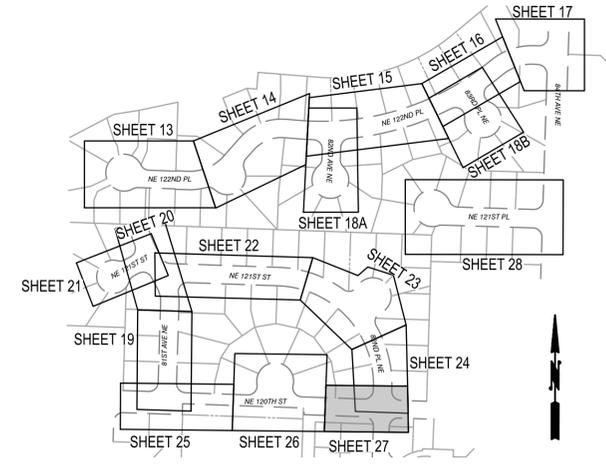
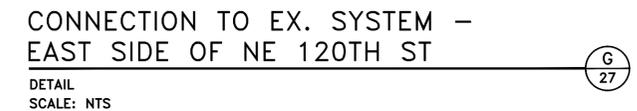
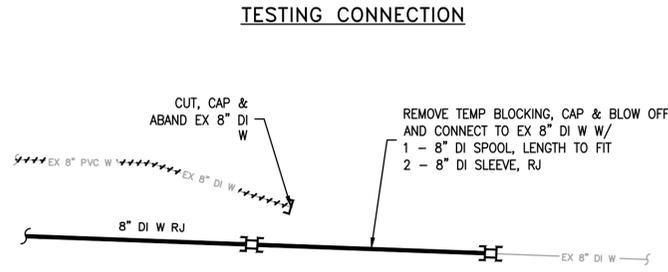
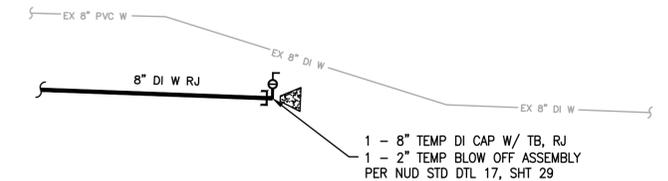
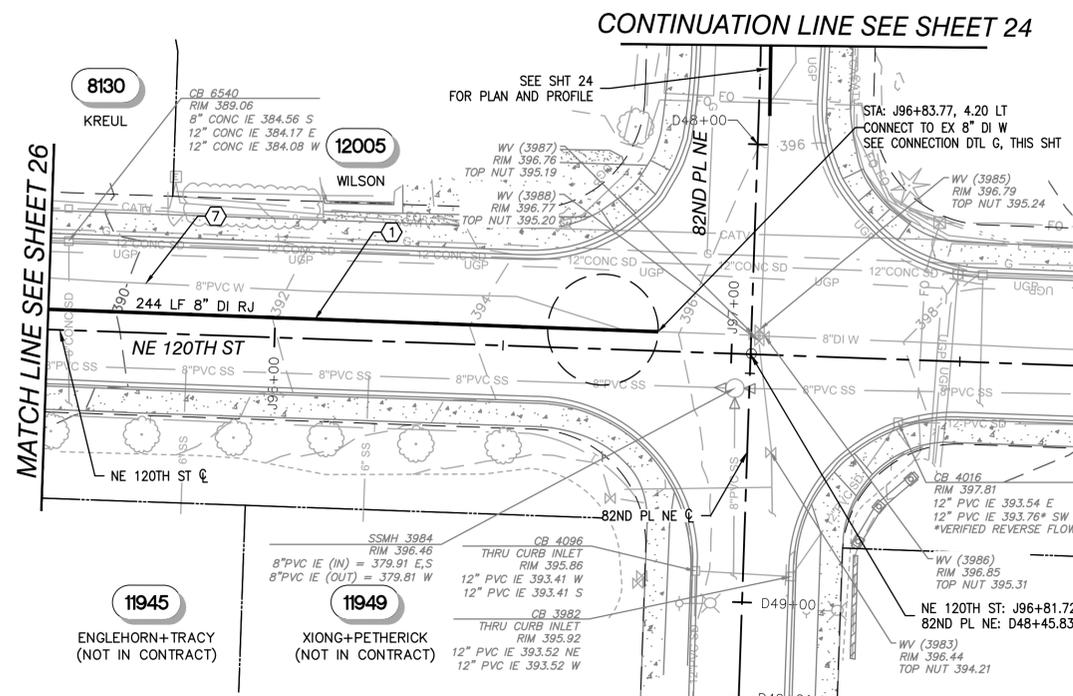
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 120TH ST - STA J93+00 TO STA J95+50 - NE
120TH ST CUL-DE-SAC - STA K1+00 TO STA K1+70

BASE MAP K6
C2305
SHEET
26 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 January 26, 2026 12:07:58pm K:\SNO_PublicSector\090181000 NUD 122-84 V2 - CADD\PlanSheets\C-WATR-120TH.dwg

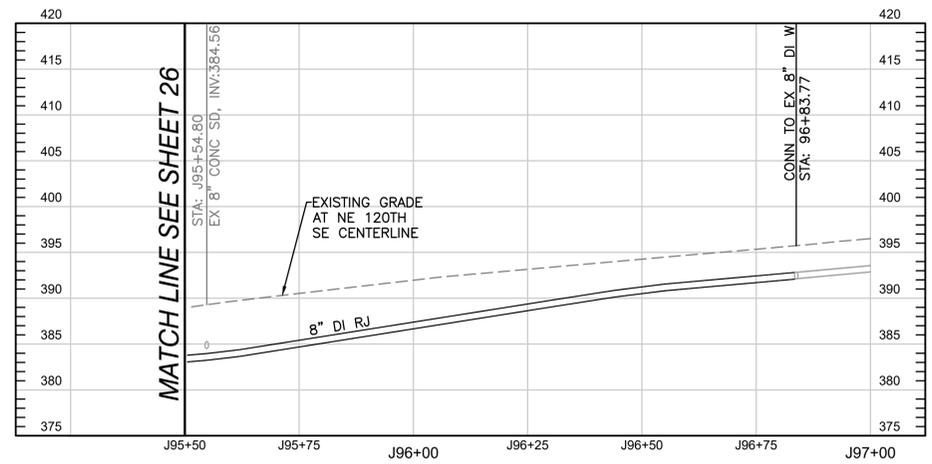
SE 1/4, SEC 25, T26N, R4E, WM



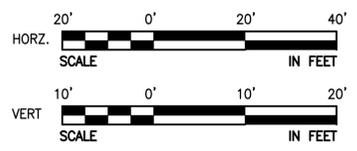
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NE 120TH ST - STA J95+50 TO STA J97+50



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BID SET

WARNING
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DESIGNED BY: NEK
DRAWN BY: JA
CHECKED BY: DLM
APPROVAL: DLM
DATE: JAN 2026

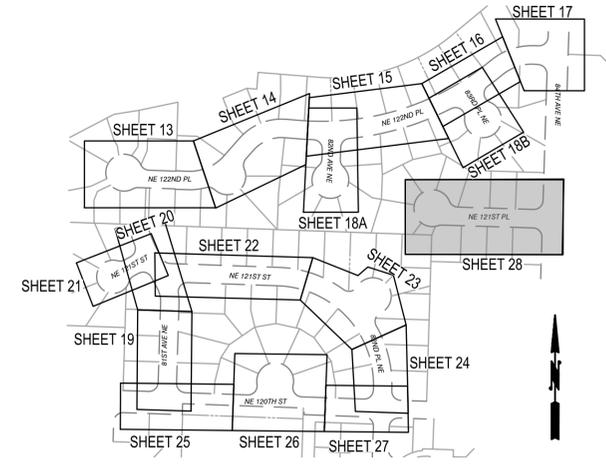
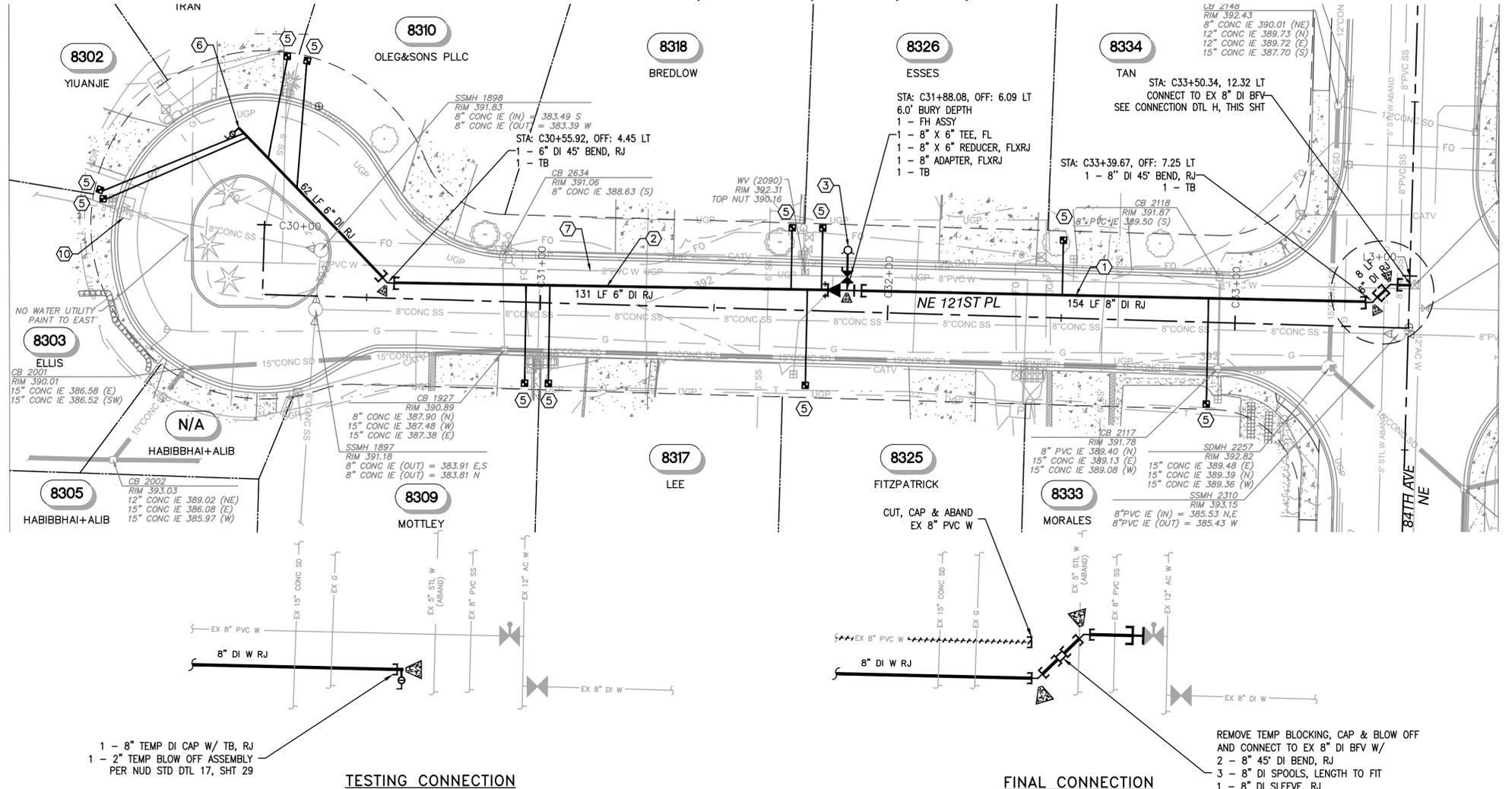
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 120TH ST - STA J95+50 TO STA J97+50

BASE MAP K6
C2305
SHEET
27 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM15 January 26, 2026 12:08:10pm K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\C-WATR-120TH.dwg

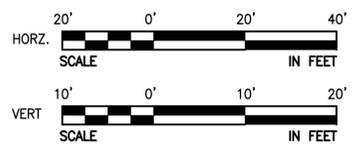
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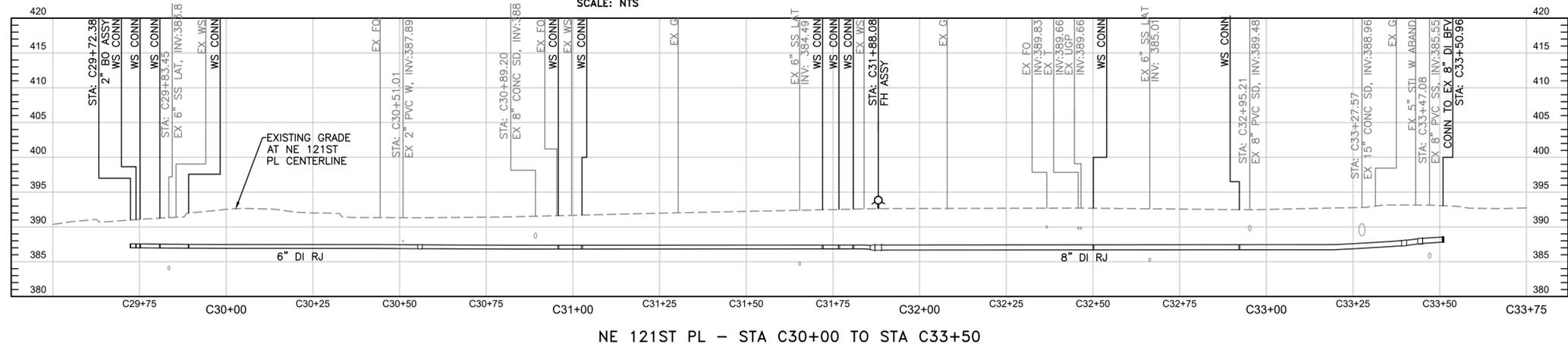
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 - ABANDON THE EXISTING WATERLINE IN PLACE AFTER NEW DI WATERLINE CONNECTIONS HAS BEEN CONSTRUCTED PER SPEC SECTION 3.6.
 - REMOVE EXISTING BO ASSEMBLY AND CAP END OF MAIN. BACKFILL AND SURFACE RESTORATION AS REQUIRED PER STANDARDS.



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CONNECTION TO EX. SYSTEM -
NE 121ST PL

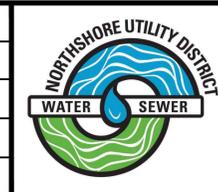
DETAIL
SCALE: NTS

NO	BY	APPD	REVISION	DATE

WARNING
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DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026



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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
WATER PLAN AND PROFILE
NE 121ST PL - STA C30+00 TO STA C33+50

BASE MAP K6
C2305
SHEET
28 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: WM16 January 26, 2026 12:08:18pm K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\C-WATR-120TH.dwg

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: D.01 January 26, 2026 12:08:37pm K:\SNO_PublicSector\090181000 NUD 122-84-2 - CADD\PlanSheets\29 STANDARD WATER DETAILS.dwg

THRUST BLOCK SIZING FOR 250 PSI PRESSURE
MIN. BEARING AREA AGAINST UNDISTURBED SOIL IN SQUARE FEET.

PIPE SIZE	90°	45°	22.5°	11.25°
4"	3	2	2	1
6"	4	3	3	2
8"	7	5	3	2
10"	15	11	8	4
12"	22	15	12	6
14"	29	21	16	8
16"	38	27	21	11
18"	48	34	26	13
20"	60	42	32	17
24"	86	61	47	24

GENERAL NOTES:
1. CONCRETE THRUST BLOCK AREA BASED UPON A SOIL BEARING LOAD OF 2,000 LBS. PER SQ. FT.
2. AREAS MUST BE ADJUSTED FOR OTHER SIZE PIPE, PRESSURES AND SOIL CONDITIONS.
3. CONCRETE BLOCKING SHALL BE CAST-IN-PLACE AGAINST FIRE, UNWEAVING, AND UNDISTURBED MATERIAL AND HAVE MINIMUM OF 1/2 SQUARE FOOT CONTACT BEARING AGAINST THE FITTING.
4. BLOCK SHALL BEAR AGAINST FITTINGS ONLY AND SHALL BE CLEAR OF JOINTS TO PERMIT TAKING UP OR DISMANTLING JOINT.
5. INSTALL 8 MIL. PLASTIC SHEETING BETWEEN FITTING AND BLOCK.
6. CONTRACTOR SHALL INSTALL BLOCKING ADEQUATE TO WITHSTAND TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATING PRESSURE UNDER ALL CONDITIONS OF SERVICE.
7. IN MUCK OR PEAT, PIPE AND FITTING RESTRAINT SHALL BE AS DIRECTED BY THE DISTRICT.
8. CONNECTIONS TO EXISTING PRESSURIZED SYSTEM SHALL BE BLOCKED FOR IMMEDIATE THRUST.
9. FIRM BEARING SOIL (TYP.)

CONCRETE BLOCKING - HORIZONTAL

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

VERTICAL BLOCKING

PIPE SIZE	VERT. BEND	CUT. (A)	(B)	(L)	
4"	11-1/4"	8	2.0'	3/4"	1.5'
	22-1/2"	11	2.2'	3/4"	2.0'
	30"	17	2.6'	3/4"	2.0'
	45"	30	3.1'	3/4"	2.0'
6"	11-1/4"	11	2.2'	3/4"	2.0'
	22-1/2"	25	2.9'	3/4"	2.0'
	30"	41	3.5'	3/4"	2.0'
	45"	68	4.1'	3/4"	2.0'
8"	11-1/4"	16	2.5'	3/4"	2.0'
	22-1/2"	47	3.6'	3/4"	2.5'
	30"	70	4.1'	3/4"	2.5'
	45"	123	5.0'	3/4"	2.0'
12"	11-1/4"	32	3.2'	3/4"	3.0'
	22-1/2"	88	4.5'	7/8"	3.0'
	30"	132	5.1'	7/8"	2.5'
	45"	232	6.1'	3/4"	2.5'
16"	11-1/4"	70	4.1'	7/8"	3.0'
	22-1/2"	184	5.7'	1-1/8"	4.0'
	30"	275	6.5'	1-1/4"	4.0'
	45"	478	7.8'	1-1/8"	4.0'
20"	11-1/4"	91	4.5'	7/8"	3.0'
	22-1/2"	228	6.1'	1-1/4"	4.0'
	30"	330	6.9'	1-3/8"	4.5'
	45"	560	8.2'	1-1/4"	4.0'
24"	11-1/4"	128	5.0'	1"	3.5'
	22-1/2"	320	8.0'	1-3/8"	4.5'
	30"	480	7.9'	1-5/8"	5.5'
	45"	820	9.4'	1-3/8"	4.5'

CONCRETE BLOCKING - VERTICAL

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

FIRE HYDRANT ASSEMBLY

MATERIALS LIST

ITEM	DESCRIPTION
A	FIRE HYDRANT: SHALL BE IN CONFORMANCE WITH ANWA STANDARD SPECIFICATION C-502. PROVIDE STORZ ADAPTERS (INTEGRAL OR NON-INTEGRAL) AS FOLLOWS: 4" FOR ALL LOCATIONS, EXCEPT FOR WITHIN KIRKLAND WHERE 5" IS REQUIRED. HYDRANT SHALL BE FACTORY PRIME COATED, TOP COAT SHALL BE TWO BRUSH COATS OF SHERWIN WILLIAMS WHITE INDUSTRIAL ENAMEL #BS4W101. HYDRANT MODEL SHALL BE FROM THIS LIST:
B	MUELLER: SUPER CENTURION
C	CLOW: MEDALLION
D	MAH: 1295
E	EAST JORDAN IRON WORKS: WATERMASTER 502025
F	6" CL. 52 D.I. PIPE, 3" MIN. AND 50' MAX. WITH RESTRAINED JOINTS.
G	6" R.W. GATE VALVE, F.L.R.J. SHALL BE PER THE SPECIFICATIONS. FOR VALVE OPERATING NUT DEPTHS, SEE STANDARD WATER DETAIL #11
H	TWO-PIECE VALVE BOX AND ETHAFOAM RING PER THE SPECIFICATIONS AND STANDARD WATER DETAIL #11.

NOTES:
1. HYDRANT SHALL BE ORIENTED PER FIRE MARSHALL AND HAVE 3' MIN. CLEARANCE AROUND CENTERLINE.
2. BOLLARDS REQUIRED AS DETERMINED BY DISTRICT. SEE STANDARD WATER DETAIL #30.
3. IF HYDRANT RISE IS LONGER THAN 50', PIPE SIZE WILL BE DETERMINED BY DISTRICT.
4. HYDRANT EXTENSIONS ARE NOT ALLOWED.
5. HYDRANTS NOT IN SERVICE SHALL BE COVERED WITH BLACK HEAVY-DUTY LAWN AND GARDEN BAG, SECURED WITH DUCT TAPE OR ELECTRICAL TAPE.
6. CHAINS ARE TO BE REMOVED FROM CAPS.

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

1" WATER SERVICE

MATERIALS LIST

ITEM	DESCRIPTION
A	DIRECT TAP: DIRECT TAP OF 6" AND LARGER DIAMETER DUCTILE IRON OR CAST IRON IS REQUIRED FOR 1" SERVICES. SADDLES ARE ONLY ALLOWED ON DUCTILE IRON OR CAST IRON PIPE WHEN THE PIPE DIAMETER IS SMALLER THAN 6".
B	SADDLE: ALL SADDLES SHALL BE DUCTILE IRON CASTING WITH CC THREADS. FOR ALL PIPE MATERIAL OTHER THAN PVC PIPE, SADDLES SHALL BE SINGLE STRAP TYPE EQUAL TO FORD FC101, ROMAC 101NS, MUELLER DR1S, OR DISTRICT APPROVED EQUAL FOR PVC PIPE. SADDLES SHALL BE DOUBLE STRAP TYPE EQUAL TO MUELLER DRCS, FORD FDC202, OR ROMAC 202NS.
C	1" CORPORATION STOP: CCA/PACK JOINT, FORD F1001 OR APPROVED EQUAL, WITH STAINLESS STEEL STIFFENER, FORD INSERT-53-72 OR MUELLER 505142. CORPORATION STOP SHALL BE ORIENTED SO THAT THE SHUT OFF IS IN THE 12 O'CLOCK POSITION.
D	1 1/4" REHAU MUNIPEX PE60 3306, COPPER TUBE SIZE (CTS), SDR 9, ANWA C904, PER THE SPECIFICATIONS. PIPE SHALL BE CONTINUOUS FROM CORPORATION STOP TO METER SETTER. ALL PE60 PIPE INSTALLED BY OPEN-CUT CONSTRUCTION SHALL BE BEDDED IN SAND 4" OVER AND UNDER. NATIVE MATERIAL WILL NOT BE ALLOWED FOR BEDDING.
E	TRACER WIRE: DIRECT BURY BLUE 14 GAUGE COPPER, CONTINUOUS, SOLID CORE, POLYETHYLENE INSULATED WIRE PER THE SPECIFICATIONS. CONNECTION AT THE METER SETTER SHALL BE MADE WITH AN ALL STAINLESS STEEL HOSE CLAMP. CONNECTION AT THE MAIN LINE WIRE SHALL BE MADE WITH A SPLIT-BOLT CONNECTOR. STRIP COATING PRIOR TO CONNECTION. TRACER WIRE MAY BE REQUIRED FROM SETTER TO HOUSE, CHECK WITH LOCAL JURISDICTION FOR REQUIREMENTS.
F	1" ADAPTER, MIP/PACK JOINT, FORD #C84-44-NL WITH STIFFENER, FORD INSERT-53-72 OR MUELLER 505142.
G	1" METER SETTER WITH DUAL CHECK VALVE: FORD VBHC74-84W-11-44A-PP-NL, OR MUELLER 380202B-SADON
H	METER BOX: ARMORCAST, A600194PCX12-NUD (NO "MOUSE HOLES") OR DFW, DFW1324CNP4-12-BODY
I	COVER: ARMORCAST, A6001989-H10-NUD OR DFW, DFW1324C-4MT-SMALL-NS-NHK-LD
J	2"x4"x4", MARKER POST, PAINTED WHITE WITH "WATER" STENCILED OUT TO IT IN BLACK.

NOTES:
1. IF REQUIRED FOR PROMISE ISOLATION, AN APPROVED BACKFLOW ASSEMBLY SHALL BE INSTALLED IMMEDIATELY BEHIND THE WATER METER PER DISTRICT STANDARD WATER DETAILS #13, #14a, AND #14b.
2. ALL PE60 PIPE TO PACK JOINT CONNECTIONS REQUIRE A STIFFENER INSERT.
3. MULTIPLE, ADJACENT DIRECT TAPS ON NEW 1/2" MAINS SHALL BE INSTALLED WITH A MINIMUM 18" HORIZONTAL SEPARATION BETWEEN SERVICES AND FROM PIPE BELLS.

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

1-1/2" & 2" WATER SERVICE

MATERIALS LIST

ITEM	DESCRIPTION
A	SADDLE: ALL SADDLES SHALL BE DUCTILE IRON CASTING WITH IP THREADS. FOR ALL PIPE MATERIAL OTHER THAN PVC PIPE, SADDLES SHALL BE SINGLE STRAP TYPE EQUAL TO FORD FC101, ROMAC 101NS, MUELLER DR1S, OR DISTRICT APPROVED EQUAL. FOR PVC PIPE, SADDLES SHALL BE DOUBLE STRAP TYPE EQUAL TO MUELLER DR2S, FORD FDC202, OR ROMAC 202NS. ANY SERVICE CONNECTION TO LIVE WATER MAINS SHALL BE INSTALLED BY DISTRICT CREWS AT THE EXPENSE OF THE OWNER.
B	BALL VALVE, FIP/FP: FORD #B11-777-NL, WITH 2" OPERATING NUT, FORD #01-67, FOR VALVE OPERATING NUT DEPTHS, SEE STANDARD WATER DETAIL #11.
C	TWO-PIECE CAST IRON VALVE BOX AND ETHAFOAM RING PER THE SPECIFICATIONS AND STANDARD WATER DETAIL #11.
D	BRASS CLOSE NIPPLE, MIP/MIP.
E	ADAPTER, MIP/PACK JOINT, FORD #C84-77-NL WITH STIFFENER, FORD INSERT-55, OR MUELLER 528707.
F	2" REHAU MUNIPEX PE60 3306, COPPER TUBE SIZE (CTS), SDR 9, ANWA C904, PER THE SPECIFICATIONS. PIPE SHALL BE CONTINUOUS FROM BALL VALVE TO METER SETTER. ALL PE60 PIPE INSTALLED BY OPEN-CUT CONSTRUCTION SHALL BE BEDDED IN SAND, 4" OVER AND UNDER. NATIVE MATERIAL WILL NOT BE ACCEPTED FOR BEDDING.
G	TRACER WIRE: DIRECT BURY BLUE 14 GAUGE COPPER, CONTINUOUS, SOLID CORE, POLYETHYLENE INSULATED WIRE PER THE SPECIFICATIONS. CONNECTION AT THE METER SETTER SHALL BE MADE WITH AN ALL STAINLESS STEEL HOSE CLAMP. CONNECTION AT THE MAIN LINE WIRE SHALL BE MADE WITH A SPLIT-BOLT CONNECTOR. STRIP COATING PRIOR TO CONNECTION.
H	1-1/2" METER SETTER: FORD VBH86-12B-11-66-NL, 2" METER SETTER: FORD VBH87-12B-11-77-NL
I	METER BOX: ARMORCAST, A600164PCX12-NUD (2 BOXES STACKED, NO "MOUSE HOLES").
J	COVER: ARMORCAST, A6001947T-H10-NUD.
K	90° BRASS ELBOW, FIP/FP: SIZE TO MATCH SETTER.
L	BRASS NIPPLE, LENGTH TO FIT, MIP/MIP: SIZE TO MATCH SETTER.
M	4"x8"x16" CONCRETE BLOCK.
N	TWO 2"x4"x8" CONCRETE BRICKS, ONE ON EITHER SIDE OF THE BALL VALVE TO SUPPORT ETHAFOAM RING.
O	ADAPTER, MIP/PACK JOINT, FORD #C84-67-NL WITH STIFFENER FOR 1 1/2" SETTER AND FORD #C84-77-NL WITH STIFFENER FOR 2" SETTER. STIFFENER, FORD INSERT-55 OR MUELLER 528707.

NOTES:
1. FOR PROMISE ISOLATION, AN APPROVED BACKFLOW ASSEMBLY SHALL BE INSTALLED IMMEDIATELY BEHIND THE WATER METER PER DISTRICT STANDARD WATER DETAILS #13, #14a, AND #14b.
2. ALL PE60 PIPE TO PACK JOINT CONNECTIONS REQUIRE A STIFFENER INSERT.

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

2" AIR & VACUUM RELIEF VALVE ASSEMBLY

MATERIALS LIST

ITEM	QTY.	DESCRIPTION
A	1	SADDLE: ALL SADDLES SHALL BE DUCTILE IRON CASTING WITH IP THREADS. FOR ALL PIPE MATERIAL OTHER THAN PVC PIPE, SADDLES SHALL BE SINGLE STRAP TYPE EQUAL TO FORD FC101, ROMAC 101NS, MUELLER DR1S, OR DISTRICT APPROVED EQUAL FOR PVC PIPE. SADDLES SHALL BE DOUBLE STRAP TYPE EQUAL TO MUELLER DR2S, FORD FDC202, OR ROMAC 202NS.
B	1	2" BALL VALVE FIP/FP, FORD #B11-777-NL OR EQUAL.
C	2	90° BRASS ELBOW, FIP/FP.
D	2	ADAPTER, MIP/PACK JOINT, FORD #C84-77-NL WITH STIFFENER, FORD INSERT-55 OR MUELLER 528707.
E	1	2" REHAU MUNIPEX PE60 3306, COPPER TUBE SIZE (CTS), SDR 9, ANWA C904, PER THE SPECIFICATIONS. LENGTH TO FIT. ALL PE60 PIPE INSTALLED BY OPEN-CUT CONSTRUCTION SHALL BE BEDDED IN SAND, 4" OVER AND UNDER. IF THE DISTANCE BETWEEN BALL VALVES IS LESS THAN 5', A BRASS NIPPLE, LENGTH TO FIT, WITH BRASS FITTINGS, AS REQUIRED, WILL BE ALLOWED.
F	1	TRACER WIRE PER THE SPECIFICATIONS. DIRECT BURY BLUE 14 GAUGE COPPER, CONTINUOUS, SOLID CORE, POLYETHYLENE INSULATED WIRE. TRACER WIRE TO BE CONTINUOUS FROM MANLINE.
G	1	2" BALL VALVE, FIP/FP, CAMBRIDGE BRASS #203AL-777W WITH 2" OPERATING NUT, FORD #01-67, FOR VALVE OPERATING NUT DEPTHS, SEE STANDARD WATER DETAIL #11.
H	1	1 1/2" WASHED ROOK, PASSING 1 1/2" AND RETAINED ON 1/4" MESH.
I	1	STREET ELBOW, FIP/FP.
J	5	2" BRASS NIPPLE, LENGTH TO FIT.
K	2	2" BRASS COUPLING, FIP/FP.
L	1	AIR/VACUUM RELIEF VALVE, A.R.I. #D-040-C-2".
M	1	AIR/VACUUM ENCLOSURE, ARMORCAST PRO002003B (GRANITE) OR DEKORRA 301-CF-C3 (GREEN).
N	1	TWO-PIECE CAST IRON VALVE BOX AND ETHAFOAM RING PER THE SPECIFICATIONS AND STANDARD WATER DETAIL #11.
O	2	4"x8"x16" CONCRETE BLOCK.
P	2	2"x4"x8" CONCRETE BRICK, ONE ON EITHER SIDE OF THE BALL VALVE TO SUPPORT ETHAFOAM RING.

NOTES:
1. THE LOCATION OF THE ASSEMBLY AS SHOWN ON THE PLANS IS APPROXIMATE ONLY. THE FINAL LOCATION SHALL BE AT THE LOCAL HIGH POINT OF THE WATER MAIN AS DIRECTED BY THE DISTRICT IN THE FIELD DURING CONSTRUCTION.
2. 2" BALL VALVE SHALL BE INSTALLED PER THE DIRECTIONAL ARROW STAMPED ON VALVE BODY. THE DRAIN PORT IS TO DISCHARGE INTO THE WASHED ROOK.
3. ALL PE60 PIPE TO PACK JOINT CONNECTIONS REQUIRE A PIPE STIFFENER.
4. FOR SHALLOW INSTALLS AS DETERMINED BY THE DISTRICT, PROVIDE 3" WIDE, BLUE METALLIC WATER DETECTOR TAPE 6"-12" ABOVE PIPE, FROM MAIN TO VALVE BOX.

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

EXISTING WATER SERVICE RE-CONNECTION

MATERIALS LIST

ITEM	DESCRIPTION
A	REMOVE AND REPLACE CURB AND GUTTER (IF APPLICABLE)
B	REMOVE & REPLACE SEWER PANEL (IF APPLICABLE)
C	PE60 PIPE SIZE AS CALLED OUT IN PLANS
D	NEW METER BOX
E	PE60 PIPE SIZE AS CALLED OUT IN PLANS
F	MINIMUM BEND RADIUS PER PIPE MANUFACTURER
G	EXISTING METER BOX LOCATION (VARIES)

NOTES:
1. WATER SERVICE PER NUD STANDARD WATER DETAILS, #4 OR #5.
2. NEW METER TO BE RELOCATED AS SHOWN ON PLANS.
3. MEASURE AND RECORD EXISTING WATER PRESSURE AT BUILDING PORT TO RECONNECTION AND AFTER REESTABLISHMENT OF SERVICE. IF PRESSURE READINGS DIFFER BY MORE THAN 5 PSI, THE CONTRACTOR SHALL LOCATE AND CORRECT THE ISSUE AT THE PRIVATE PRV. IF A PRIVATE PRV IS REMOVED DURING NEW SERVICE INSTALLATION, ADD A NEW PRV DIRECTLY BEHIND METER BOX.
4. ALL PIPE FITTINGS SHALL BE BRASS PRIOR TO MAKING THE CONNECTION. THE CONTRACTOR SHALL POTHOLE THE EXISTING SERVICE LINE TO DETERMINE THE LOCATION, SIZE, AND TYPE OF EXISTING PIPE AND TO CONFIRM THE PIPE AND FITTINGS REQUIRED TO MAKE THE CONNECTION. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPE AND FITTINGS ON-SITE PRIOR TO DISRUPTING WATER SERVICE AND COMMENCING CONSTRUCTION. NO EXISTING WATER SERVICE SHALL BE DISRUPTED FOR MORE THAN TWO HOURS IN ONE DAY.
5. ALL PE60 PIPE TO PACK JOINT CONNECTIONS REQUIRE A STIFFENER INSERT.
6. FLUSH ALL NEW WATER SERVICE PIPING IN THE PRESENCE OF THE DISTRICT.
7. CONTRACTOR TO SALVAGE THE EXISTING METER FOR RE-INSTALLATION INTO THE NEW SERVICE SETTER. REMOVAL AND RE-INSTALLATION OF THE METER TO BE DONE IN THE PRESENCE OF THE DISTRICT. LOCATE AND RECONNECT THE EXISTING SERVICE LINE ON THE BACK OF THE METER. ALL PUBLIC AND PRIVATE WATER SERVICE CONNECTIONS SHALL BE TESTED AT LINE PRESSURE AND SHALL BE VISUALLY INSPECTED BY THE DISTRICT.
8. REMOVE AND REPLACE EXISTING METER BOX AND SETTER.
9. RESTORE THE SITE TO A CONDITION EQUAL TO OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION.

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

2" BLOW-OFF ASSEMBLY

MATERIALS LIST

ITEM	QTY.	DESCRIPTION
A	1	WATER MAIN TEE, R.I./FL
B	1	4"x8"x16" CONCRETE BLOCK.
C	1	4" GATE VALVE, FLxFL
D	1	4" COMPANION FLANGE WITH 2" IPS TAP.
E	1	2"x4" BRASS PIPE NIPPLE.
F	1	2" 90° BRASS ELBOW, FIP/FP.
G	1	2" BRASS STREET ELBOW, FIP/MIP
H	1	2" BRASS PIPE, LENGTH TO FIT.
I	1	2" BRASS COUPLING, FIP/FP.
J	1	2" PVC PLUG.
K	1	TWO-PIECE CAST IRON VALVE BOX AND ETHAFOAM RING PER THE SPECIFICATIONS AND STANDARD WATER DETAIL #11.
L	1	TRACER WIRE: DIRECT BURY BLUE 14 GAUGE COPPER, CONTINUOUS, SOLID CORE, POLYETHYLENE INSULATED WIRE PER THE SPECIFICATIONS. CONTINUOUS FROM MANLINE.
M	1	ARMORCAST METER BOX, A600164PCX12-NUD (WITH NO "MOUSE HOLES") AND ARMORCAST COVER, A6001947T-NUD, OR DFW METER BOX, DFW17302NP4-12-BODY AND DFW COVER DFW1730C-4M-BLANK-NS-NHK-LD.

DETAIL APPROVALS: EDITOR: TMC, ENG. DIR.: CF

Kimley»Horn

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NO	BY	APPD	REVISION	DATE

BID SET

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED BY: NEK
DRAWN BY: JA
CHECKED BY: DLM
APPROVAL: DLM
DATE: JAN 2026

NORTHSHORE UTILITY DISTRICT

6830 NE 185th St. P.O. Box 82489
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS

STANDARD WATER DETAILS

BASE MAP K6
C2305
SHEET
29 OF 50

Plotted By: Agudelo, Julian Sheet Set: NUD 122-84 January 26, 2026 05:25:11pm K:\SNO_PublicSector\090101000 NUD 122-84\2 - CAD\PlanSheets\28 STANDARD WATER DETAILS.dwg

VALVE BOX COVER

SECTION A-A

PLAN

VALVE BOX

VALVE OPERATING NUT EXTENSION

VALVE BOX NOTES:

- CAST-IRON VALVE BOX AND COVER SHALL BE EAST JORDAN IRON WORKS.
 - VALVE BOX COVER 06800209
 - VALVE BOX TOP 85557016U
 - VALVE BOX BOTTOM 85556000U
- FOR SHALLOW OR DEEP INSTALLS, VALVE BOX TOP SHALL BE DETERMINED BY THE DISTRICT.
- IF VALVE BOX IS IN AN UNPAVED AREA PROVIDE 1" RADIUS x 4" MINIMUM DEPTH CONCRETE OR ASPHALT PAVING AROUND VALVE BOX. CONCRETE SHALL HAVE A BROOM/TROWEL FINISH.
- INSTALL ETHAFOAM RING BETWEEN BASE OF VALVE BOX AND GATE VALVES OR ON CONCRETE BRICKS FOR BALL VALVES. ETHAFOAM RING TO BE 2" IN THICKNESS.
- VALVE TOP TO HAVE A HOLE DRILLED OR SLOT CUT INTO SIDE FOR TRACER WIRE. PROVIDE 12" MIN. OF TRACER WIRE IN VALVE BOX.

VALVE OPERATING NUT EXTENSION NOTES:

- VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN VALVE NUT IS MORE THAN 5' BELOW FINISHED GRADE.
- LENGTH AS REQUIRED TO PUT OPERATING NUT TWO (2) FEET FROM FINISHED GRADE.
- EXTENSIONS TO BE A MINIMUM OF TWO (2) FEET LONG.
- ONE (1) EXTENSION PER VALVE.
- NO ADJUSTABLE VALVE EXTENSIONS ALLOWED.
- WHEN AN EXTENSION IS REQUIRED, USE A SOILS PIPE BETWEEN VALVE BOX TOP AND VALVE BOX BOTTOM. LENGTH TO FIT.

VALVE BOX & OPERATING NUT EXTENSION

NOT TO SCALE

DETAIL APPROVALS: NORTHSHORE UTILITY DISTRICT
EDITOR: TMC
ENG. DIR: CF

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LAST UPDATED: MAY 2021

TYPICAL TRENCH SECTION & PAYMENT LIMITS

NOT TO SCALE

NOTES:

- TRENCH WIDTH:
 - MINIMUM: PIPE O.D. + 24" (12" EACH SIDE OF PIPE).
 - MAXIMUM: 36" FOR 12" PIPE AND SMALLER.
 - 48" FOR PIPE LARGER THAN 12".
- NATIVE MATERIAL, IF ALLOWED FOR TRENCH BACKFILL, SHALL MEET THE REQUIREMENTS OF SELECT BORROW PER THE SPECIFICATIONS. TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MODIFIED PROCTOR IN THE RIGHT-OF-WAY AND IMPROVED EASEMENTS AND TO NINETY PERCENT (90%) IN UNIMPROVED EASEMENT AREAS. SEE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- NATIVE MATERIAL WILL NOT BE ALLOWED AS PIPE BEDDING.
- THE NEAT-LINE LIMITS SHOWN WILL BE USED TO CALCULATE THE MAXIMUM QUANTITY OF TRENCH BACKFILL AND SURFACE RESTORATION MATERIALS ALLOWED. PAYMENT FOR BEDDING GRAVEL WILL BE CONSIDERED INCIDENTAL TO PAYMENT MADE FOR PIPE. PAYMENT FOR FOUNDATION ROCK WILL BE BASED UPON THE QUANTITIES USED AS DIRECTED BY THE DISTRICT. ADDITIONAL TRENCH WIDTH IS ALLOWED AT FITTINGS AND THROTBLOCKS. SEE THE CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION.
- RECYCLED CONCRETE WILL NOT BE ALLOWED AS PIPE BEDDING OR TRENCH BACKFILL.
- TRACER WIRE TO BE SECURED TO THE TOP OF THE PIPE USING TAPE OR WIRE TIES. LOOSE TRACER WIRE OR TRACER WIRE SECURED TO SIDE OF PIPE IS NOT ALLOWED.

TYPICAL TRENCH SECTION & PAYMENT LIMITS

NOT TO SCALE

DETAIL APPROVALS: NORTHSHORE UTILITY DISTRICT
EDITOR: TMC
ENG. DIR: CF

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LAST UPDATED: MAY 2021

TEMPORARY BLOW-OFF ASSEMBLY FOR NEW WATERMAIN

NOT TO SCALE

MATERIALS LIST

ITEM	QTY	DESCRIPTION
1	1	TAPPED & THREADED D.I. CAP, RJ WITH 2" IP TAP.
2	2	2" GALVANIZED PIPE, LENGTH TO FIT.
3	1	2" 90° GALVANIZED ELBOW, FIPxPIP.
4	1	2" BALL VALVE, FIPxPIP, MATCO 7570BTLF OR EQUAL.
5	1	TRAFFIC RATED BOX AND COVER, OR EQUAL.

NOTES:

- NUMBER AND LOCATION OF THE TEMPORARY BLOW-OFFS WILL BE AS SHOWN ON THE DESIGN PLANS OR AS DIRECTED BY THE DISTRICT IN THE FIELD.
- PROVIDE TEMPORARY BLOCKING FOR BLOW-OFFS TO RESIST TEST PRESSURES.

TEMPORARY BLOW-OFF ASSEMBLY FOR NEW WATERMAIN

NOT TO SCALE

DETAIL APPROVALS: NORTHSHORE UTILITY DISTRICT
EDITOR: TMC
ENG. DIR: SID

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LAST UPDATED: FEBRUARY 2020

METER BOX BLOCK OUT FOR DRIVEWAYS AND SIDEWALKS

NOT TO SCALE

NOTES:

- METER BOX BLOCK OUT IS ONLY TO BE USED IN CONCRETE DRIVEWAYS OR SIDEWALKS.
- DISTRICT APPROVAL IS REQUIRED PRIOR TO INSTALLING METER BOX IN DRIVEWAYS.
- BACKFILL FOR METER BOX BASE IS TO BE COMPACTED 1 1/4" BASE COURSE OR 3/4" TOP COURSE CRUSHED ROCK.
- CONCRETE FINISH SHALL MATCH ADJACENT CONCRETE DRIVEWAY OR SIDEWALK FINISH.

METER BOX BLOCK OUT FOR DRIVEWAYS AND SIDEWALKS

NOT TO SCALE

DETAIL APPROVALS: NORTHSHORE UTILITY DISTRICT
EDITOR: TMC
ENG. DIR: SID

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LAST UPDATED: APRIL 2021

BOLT TIGHTENING SEQUENCE

NOT TO SCALE

NO OF BOLTS	NOMINAL FLG SIZE	BOLT NUT TIGHTENING SEQUENCE
8	4", 8", 8"	1, 5, 3, 7, 2, 6, 4, 8
12	10", 12"	1, 7, 4, 10, 2, 8, 5, 11, 3, 9, 6, 12

NOTES:

- BOLTS AND NUTS SHALL BE CLEAN AND DRY (UNLUBRICATED).
 - HAND TIGHTEN ALL NUTS.
 - CONSECUTIVELY NUMBER THE BOLTS AROUND THE FLANGE.
- TIGHTEN BOLTS AND NUTS IN THE SEQUENCE GIVEN IN THE TABLE ABOVE.
 - FIRST: TIGHTEN BOLTS AND NUTS TO ONE-THIRD OF MANUFACTURER'S RECOMMENDED TARGET TORQUE.
 - SECOND: TIGHTEN BOLTS AND NUTS TO TWO-THIRDS OF MANUFACTURER'S RECOMMENDED TARGET TORQUE.
 - LAST: TIGHTEN BOLTS AND NUTS TO FULL MANUFACTURER'S RECOMMENDED TARGET TORQUE.
- SEQUENCE GIVEN IS FOR ANMA C110, AND ANSI CLASS 125 AND 150 FLANGES.

BOLT TIGHTENING SEQUENCE

NOT TO SCALE

DETAIL APPROVALS: NORTHSHORE UTILITY DISTRICT
EDITOR: TMC
ENG. DIR: SID

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LAST UPDATED: APRIL 2021

PRESSURE REDUCING VALVE (PRV)

NOT TO SCALE

MATERIALS LIST

ITEM	DESCRIPTION
A	BRASS NIPPLE, LENGTH TO FIT.
B	PRV WITH STRAINER, 3/4" - 2", WITH UNION COUPLING ON INLET. PRV SHALL BE WILKINS 600XL, WATTS LF25AUB-23, OR APPROVED EQUAL.
C	PRV BOX: LANDSCAPE AREAS - 10" DIAMETER, 10" TALL CARSON BOX 910 OR EQUAL. TRAFFIC RATED METER BOX WITH SOLID LID.
D	8" DIAMETER SDR 35 PVC RISER PIPE, LENGTH TO FIT. CUT OUT MOUSE HOLES TO FIT OVER SERVICE PIPE.
E	BRASS INSTA-TITE OR COMPRESSION PACK JOINT STYLE FITTING, COMPATIBLE WITH CUSTOMER'S PRIVATE WATER LINE.

NOTES:

- A NEW PRV SHALL BE INSTALLED IF A PRIVATE PRV IS REMOVED DURING NEW SERVICE INSTALLATION. CONTRACTOR TO DETERMINE SIZE OF NEW PRV.
- CONTRACTOR TO MEASURE AND RECORD EXISTING WATER PRESSURE AT BUILDING PRIOR TO RECONNECTION AND AFTER REESTABLISHMENT OF SERVICE.
- ALL PIPE FITTINGS SHALL BE BRASS. PRIOR TO MAKING THE CONNECTION, THE CONTRACTOR SHALL POTHOLE THE EXISTING SERVICE LINE TO DETERMINE THE LOCATION, SIZE, AND TYPE OF EXISTING PIPE AND TO CONFIRM THE PIPE AND FITTINGS REQUIRED TO MAKE THE CONNECTION. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPE AND FITTINGS ON-SITE PRIOR TO DISRUPTING WATER SERVICE AND COMMENCING CONSTRUCTION. NO EXISTING WATER SERVICE SHALL BE DISRUPTED FOR MORE THAN TWO HOURS IN ONE DAY.
- PRV SHALL BE LOCATED DIRECTLY DOWNSTREAM OF THE METER OR BACKFLOW ASSEMBLY. IF INSTALLED, RESPONSIBILITY FOR PROPER INSTALLATION SHALL BE THAT OF THE CONTRACTOR. MAINTENANCE AND OPERATION OF THE VALVE SHALL BE THAT OF THE PROPERTY OWNER.

PRESSURE REDUCING VALVE (PRV)

NOT TO SCALE

DETAIL APPROVALS: NORTHSHORE UTILITY DISTRICT
EDITOR: TMC
ENG. DIR: SID

21

LAST UPDATED: FEBRUARY 2020

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CHECKED BY DLM
APPROVAL DLM
DATE JAN 2026

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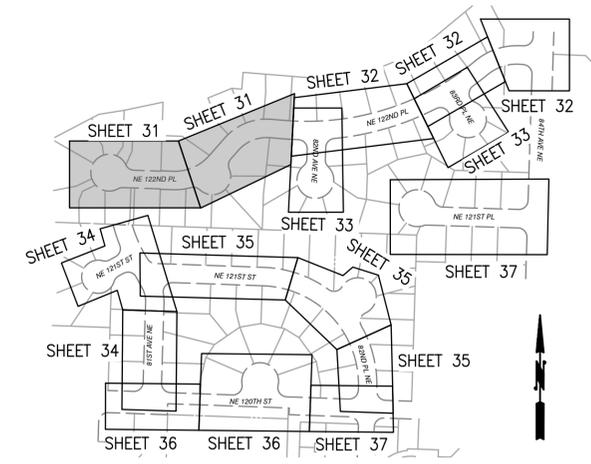
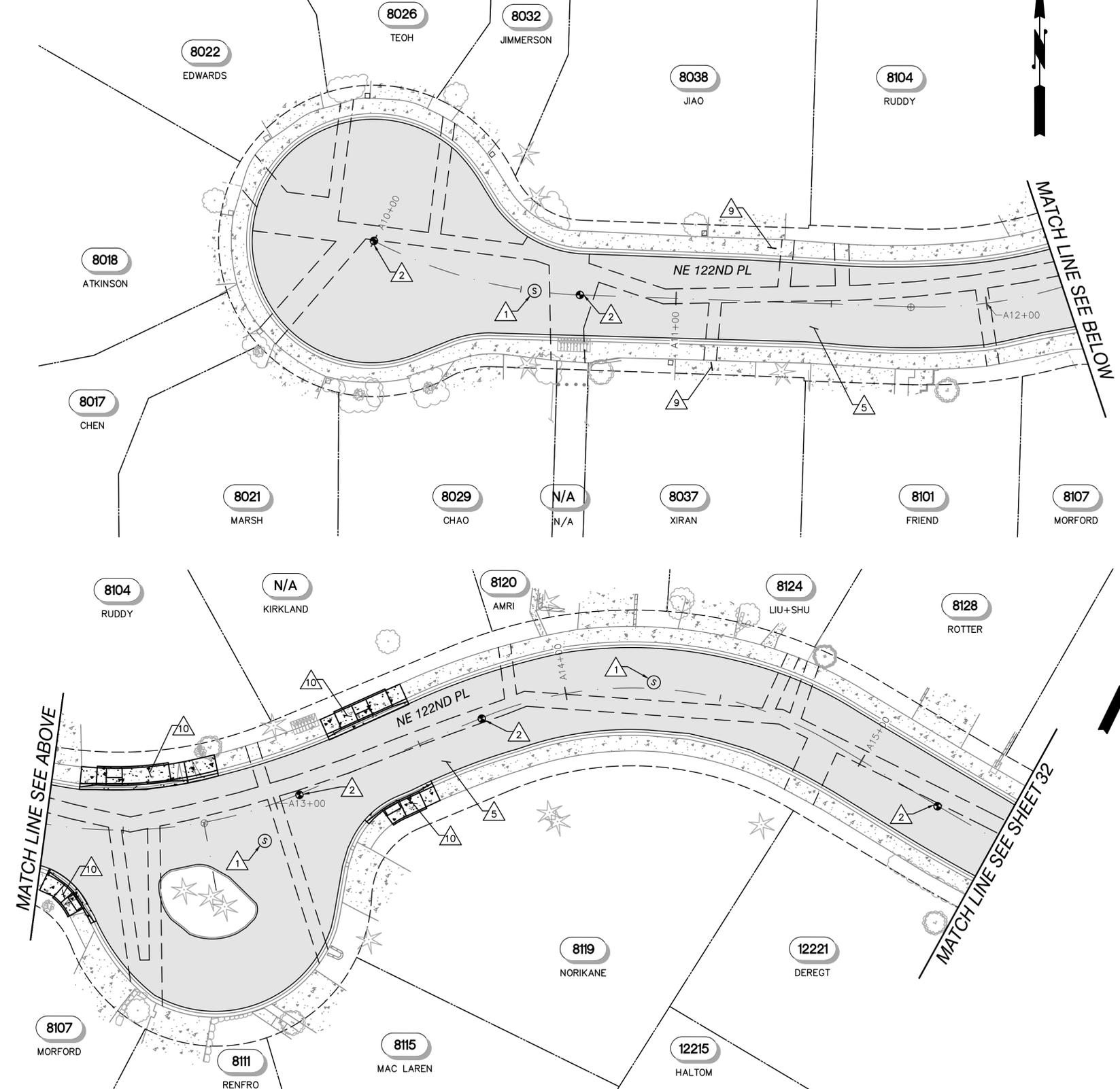
CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS

STANDARD WATER DETAILS

BASE MAP K6
C2305
SHEET
30 OF 50

Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: R.01 January 26, 2026 12:09:02pm K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\ROAD & CHANNELIZATION.dwg

NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

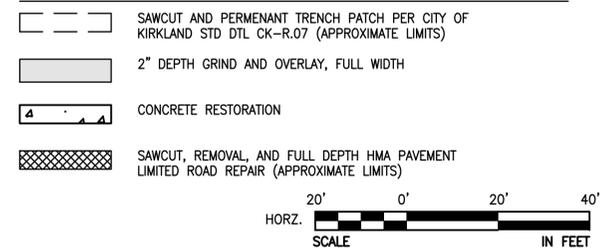
GENERAL NOTES:

- REFER TO PROJECT SPECIFICATIONS FOR REQUIRED WORK TO BE COMPLETED AS PART OF "GENERAL RESTORATION". NOT ALL RESTORATION REQUIREMENTS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL RESTORE ALL EXISTING IMPROVEMENTS DISTURBED OR DAMAGED BY THE WORK TO A CONDITION EQUAL OR EXCEEDING CONDITIONS PRIOR TO CONSTRUCTION, REGARDLESS OF THE RESTORATION BEING IDENTIFIED ON THE PLANS.
- DAMAGED AREAS OF LAWN OR GRASS SHALL BE RESTORED WITH 4" DEPTH TOPSOIL AND SOD PER THE PROJECT SPECIFICATIONS.
- WHERE TREE IMPACTS ARE ANTICIPATED, CONTRACTOR SHALL NOTIFY THE CITY OF KIRKLAND, IN WRITING, A MINIMUM OF THREE WORKING DAYS IN ADVANCE OF THE WORK TO REQUEST INSPECTION. NO TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE CITY OF KIRKLAND. NO ROOTS LARGER THAN 2" DIAMETER SHALL BE CUT WITHOUT CITY OF KIRKLAND APPROVAL AND ARBORIST ON SITE. REFER TO PROJECT GENERAL NOTES, SHEET 3, FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE ROLLED CURB DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.17D.
- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE SIDEWALK DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.23.
- ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

RESTORATION NOTES:

- REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
- REPLACE DISTURBED MONUMENT PER CITY OF KIRKLAND STD DTL CK-R.03.
- 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.
- CONCRETE DRIVEWAY RESTORATION PER CITY OF KIRKLAND STD DTL CK-R.39, MATCH EXISTING GRADES AND FINISHES. REMOVE AND RESTORE ENTIRE PANEL(S) AFFECTED.
- REMOVE AND REPLACE CURB RAMP. REFER TO ADA RAMPS SHEETS.

LEGEND



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 DRAWN BY: JA
 CHECKED BY: DLM
 APPROVAL: DLM
 DATE: JAN 2026

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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
 NE 122ND PL - STA A10+00 TO STA A15+50

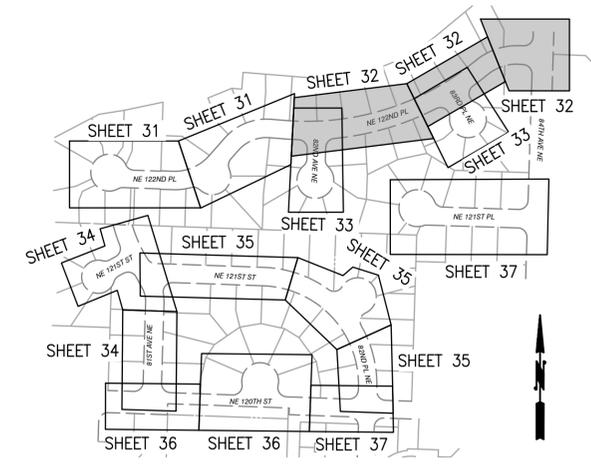
BASE MAP K6
C2305
SHEET
31 OF 50

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NW 1/4, SEC 36, T26N, R4E

MATCH LINE SEE SHEET 31

MATCH LINE SEE BELOW



KEY MAP
NTS

- GENERAL NOTES:**
- REFER TO PROJECT SPECIFICATIONS FOR REQUIRED WORK TO BE COMPLETED AS PART OF "GENERAL RESTORATION". NOT ALL RESTORATION REQUIREMENTS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL RESTORE ALL EXISTING IMPROVEMENTS DISTURBED OR DAMAGED BY THE WORK TO A CONDITION EQUAL OR EXCEEDING CONDITIONS PRIOR TO CONSTRUCTION, REGARDLESS OF THE RESTORATION BEING IDENTIFIED ON THE PLANS.
 - DAMAGED AREAS OF LAWN OR GRASS SHALL BE RESTORED WITH 4" DEPTH TOPSOIL AND SOD PER THE PROJECT SPECIFICATIONS.
 - WHERE TREE IMPACTS ARE ANTICIPATED, CONTRACTOR SHALL NOTIFY THE CITY OF KIRKLAND, IN WRITING, A MINIMUM OF THREE WORKING DAYS IN ADVANCE OF THE WORK TO REQUEST INSPECTION. NO TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE CITY OF KIRKLAND. NO ROOTS LARGER THAN 2" DIAMETER SHALL BE CUT WITHOUT CITY OF KIRKLAND APPROVAL AND ARBORIST ON SITE. REFER TO PROJECT GENERAL NOTES, SHEET 3, FOR ADDITIONAL REQUIREMENTS.
 - CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE ROLLED CURB DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.17D.
 - CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE SIDEWALK DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.23.
 - ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

- RESTORATION NOTES:**
- REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
 - REPLACE DISTURBED MONUMENT PER CITY OF KIRKLAND STD DTL CK-R.03.
 - LIMITED ROAD REPAIR LIMITS, FULL DEPTH PAVEMENT RESTORATION PER CITY OF KIRKLAND STD DTL CK-R.12.
 - MATCH EXISTING PAVEMENT PER CITY OF KIRKLAND DTL CK-R.13. THOROUGHLY TACK ALL EDGES.
 - 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.
 - REMOVE AND RESTORE PREVIOUSLY DAMAGED CONCRETE ROLLED CURB PER CITY OF KIRKLAND STANDARD DTL CK-R.17D.
 - REMOVE AND RESTORE PREVIOUSLY DAMAGED CONCRETE SIDEWALK PER CITY OF KIRKLAND STANDARD DTL CK-R.23.
 - REPLACE DOUBLE YELLOW CENTERLINE AND RAISED PAVEMENT MARKERS PER CITY OF KIRKLAND STD DTL CK-R.31.
 - CONCRETE DRIVEWAY RESTORATION PER CITY OF KIRKLAND STD DTL CK-R.39. MATCH EXISTING GRADES AND FINISHES. REMOVE AND RESTORE ENTIRE PANEL(S) AFFECTED.
 - REMOVE AND REPLACE CURB RAMP. REFER TO ADA RAMPS SHEETS.

CONTINUATION SEE SHEET 33

CONTINUATION SEE SHEET 33

MATCH LINE SEE ABOVE

MATCH LINE SEE RIGHT

MATCH LINE SEE LEFT

LEGEND

- SAWCUT AND PERMANENT TRENCH PATCH PER CITY OF KIRKLAND STD DTL CK-R.07 (APPROXIMATE LIMITS)
- 2" DEPTH GRIND AND OVERLAY, FULL WIDTH
- CONCRETE RESTORATION
- SAWCUT, REMOVAL, AND FULL DEPTH HMA PAVEMENT LIMITED ROAD REPAIR (APPROXIMATE LIMITS)



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DATE: JAN 2026

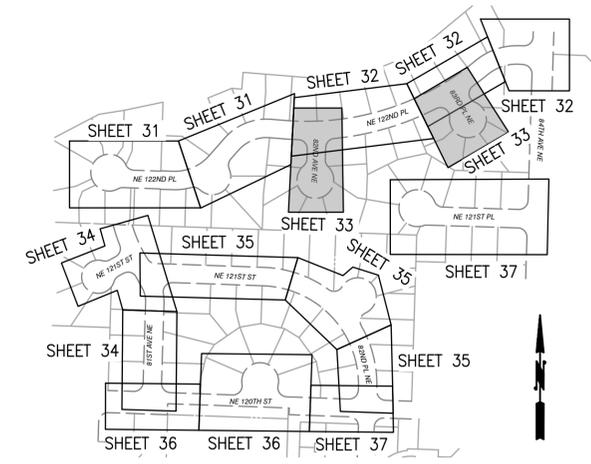


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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
NE 122ND PL - STA A15+50 TO STA A22+80

BASE MAP K6
C2305
SHEET
32 OF 50

NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

GENERAL NOTES:

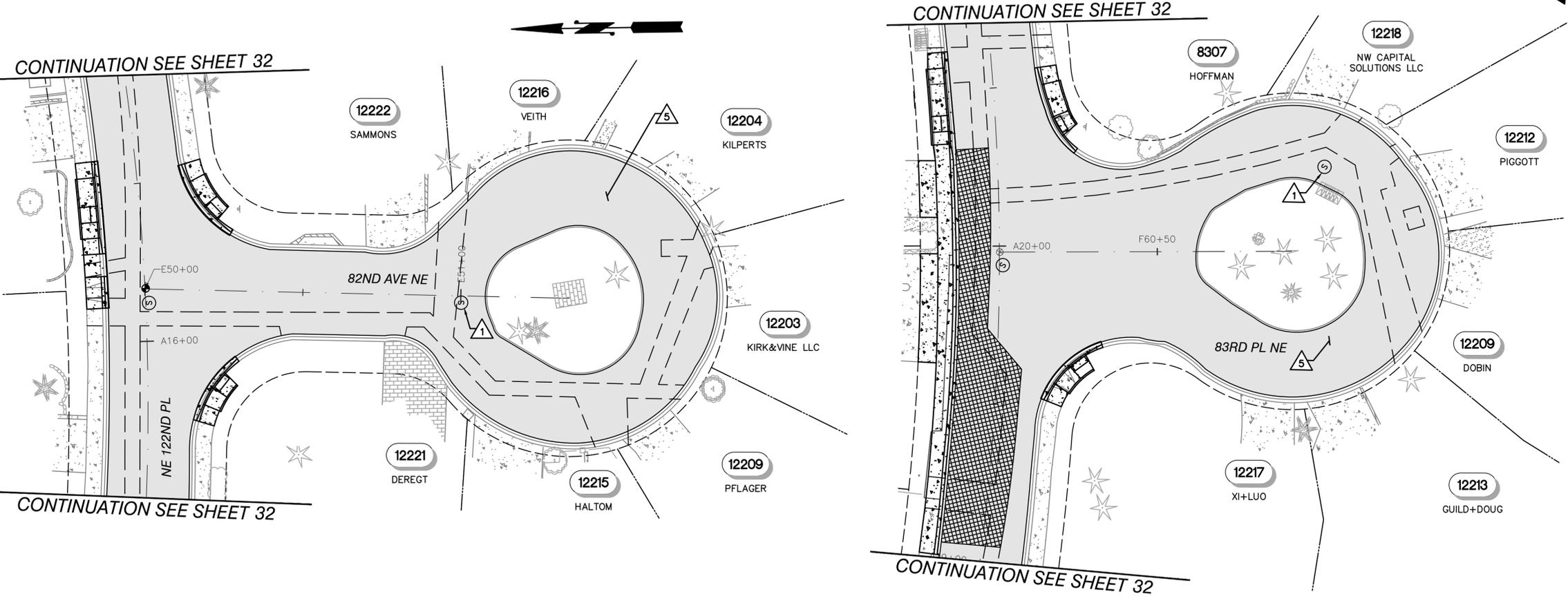
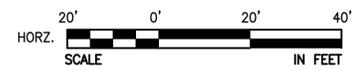
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- ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

RESTORATION NOTES:

- 1 REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
- 5 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.

LEGEND

- SAWCUT AND PERMANENT TRENCH PATCH PER CITY OF KIRKLAND STD DTL CK-R.07 (APPROXIMATE LIMITS)
- 2" DEPTH GRIND AND OVERLAY, FULL WIDTH
- CONCRETE RESTORATION
- SAWCUT, REMOVAL, AND FULL DEPTH HMA PAVEMENT LIMITED ROAD REPAIR (APPROXIMATE LIMITS)



CONTINUATION SEE SHEET 32

CONTINUATION SEE SHEET 32

CONTINUATION SEE SHEET 32

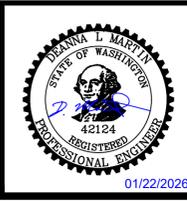
CONTINUATION SEE SHEET 32

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DATE	JAN 2026



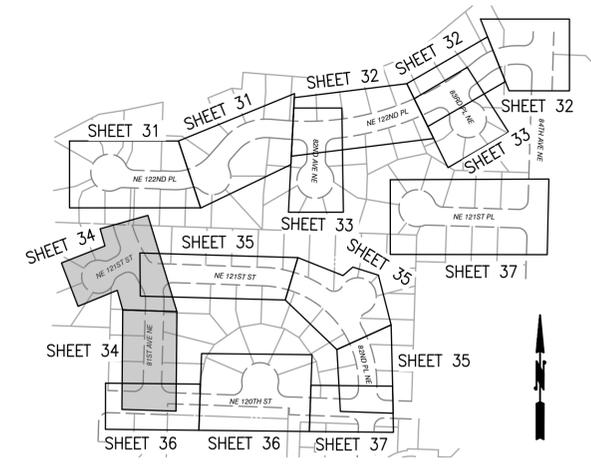
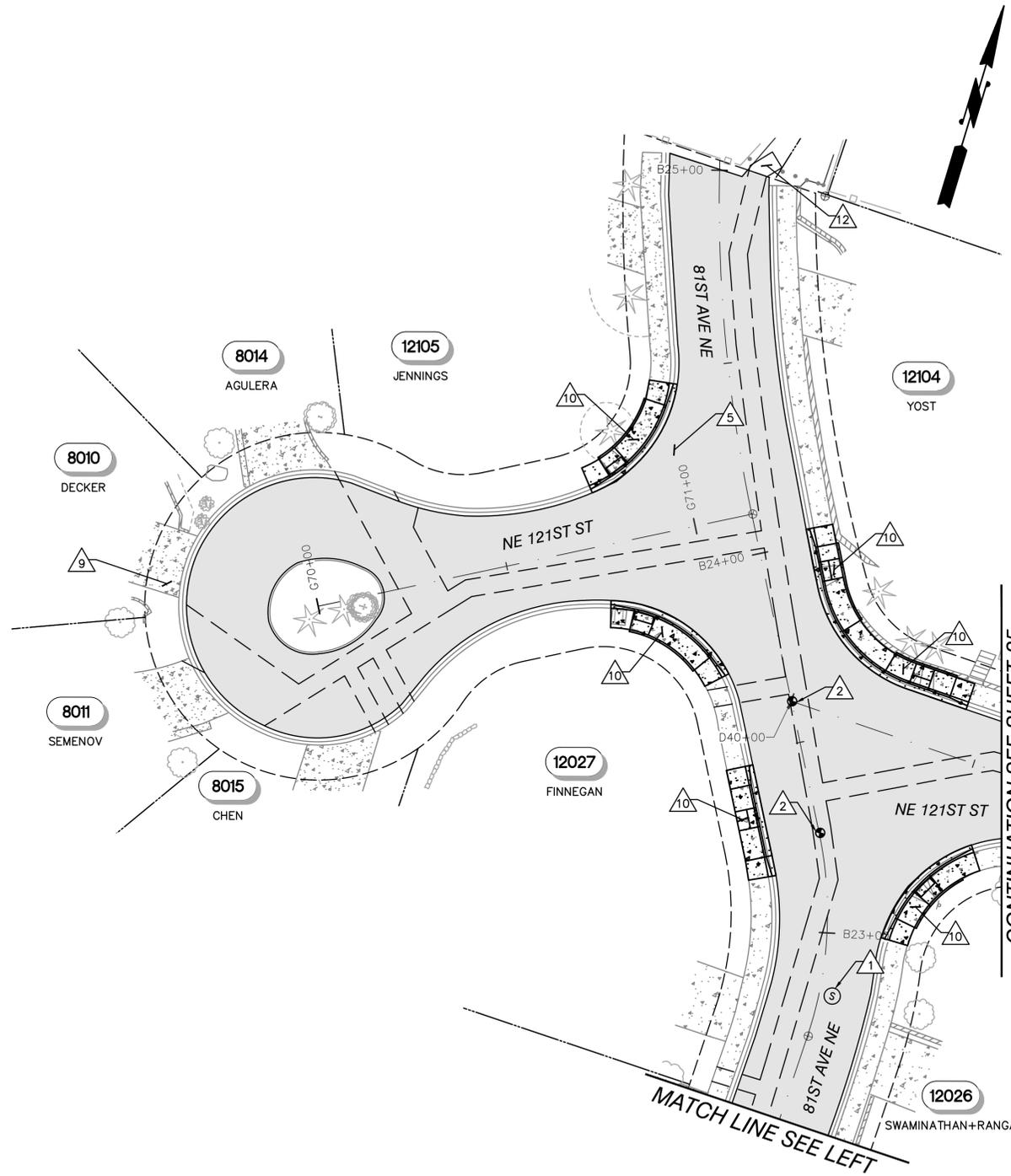
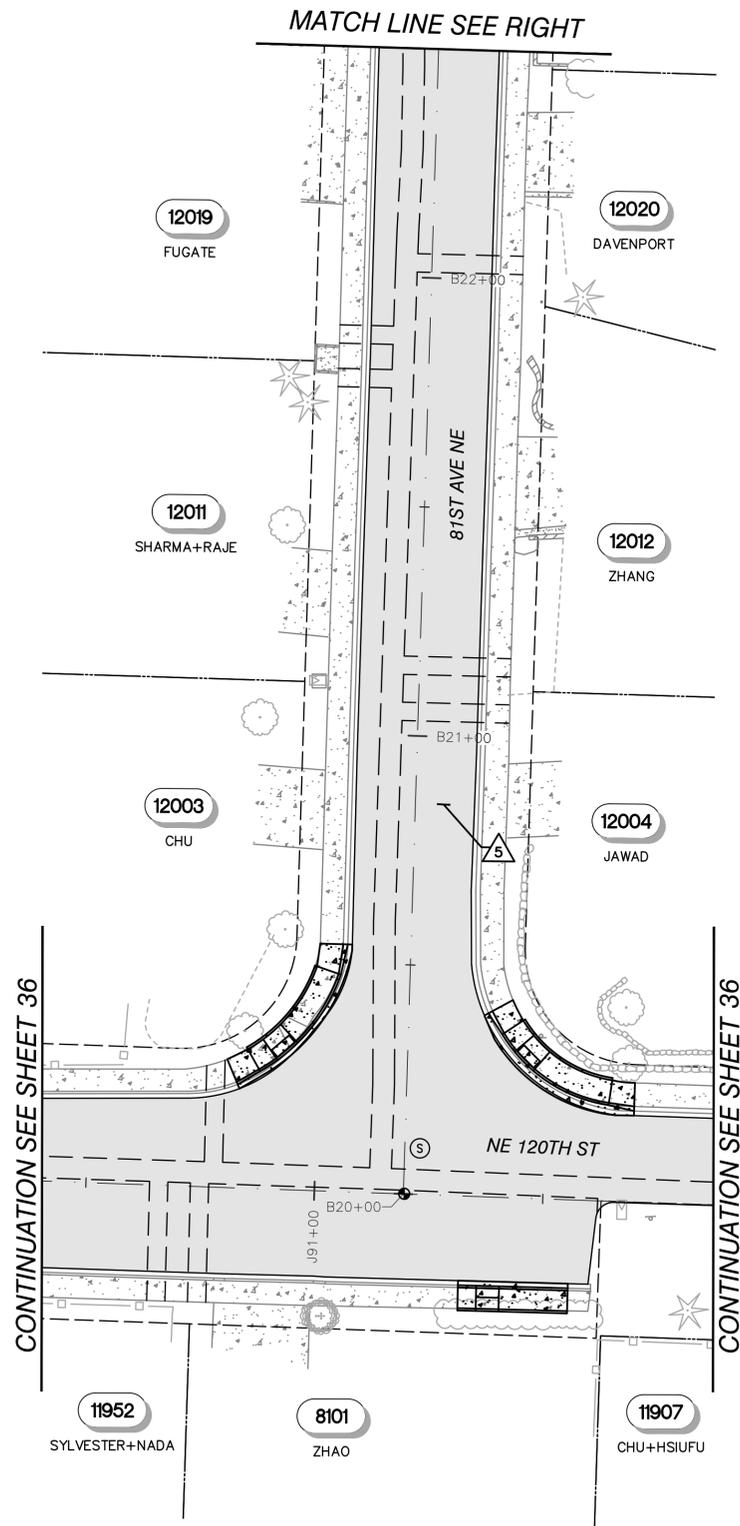
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
83RD PL NE - STA F60+00 TO STA F61+25 -
82ND AVE NE - E50+00 TO STA E51+34

BASE MAP K6
C2305
SHEET
33 OF 50



NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

- GENERAL NOTES:**
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 - CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE ROLLED CURB DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.17D.
 - CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE SIDEWALK DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.23.
 - ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

- RESTORATION NOTES:**
- REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
 - REPLACE DISTURBED MONUMENT PER CITY OF KIRKLAND STD DTL CK-R.03.
 - 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.
 - CONCRETE DRIVEWAY RESTORATION PER CITY OF KIRKLAND STD DTL CK-R.39, MATCH EXISTING GRADES AND FINISHES. REMOVE AND RESTORE ENTIRE PANEL(S) AFFECTED.
 - REMOVE AND REPLACE CURB RAMP. REFER TO ADA RAMP SHEETS.
 - RESTORE TRAIL PAVEMENT AND BOLLARDS DISTURBED BY CONSTRUCTION.

LEGEND

- [Symbol] SAWCUT AND PERMANENT TRENCH PATCH PER CITY OF KIRKLAND STD DTL CK-R.07 (APPROXIMATE LIMITS)
- [Symbol] 2" DEPTH GRIND AND OVERLAY, FULL WIDTH
- [Symbol] CONCRETE RESTORATION
- [Symbol] SAWCUT, REMOVAL, AND FULL DEPTH HMA PAVEMENT LIMITED ROAD REPAIR (APPROXIMATE LIMITS)

20' 0' 20' 40'
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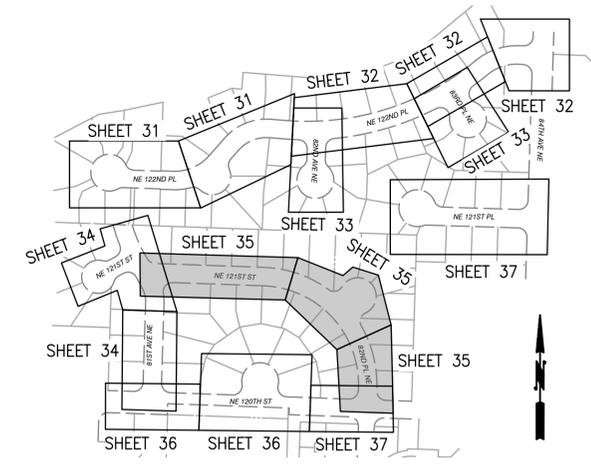
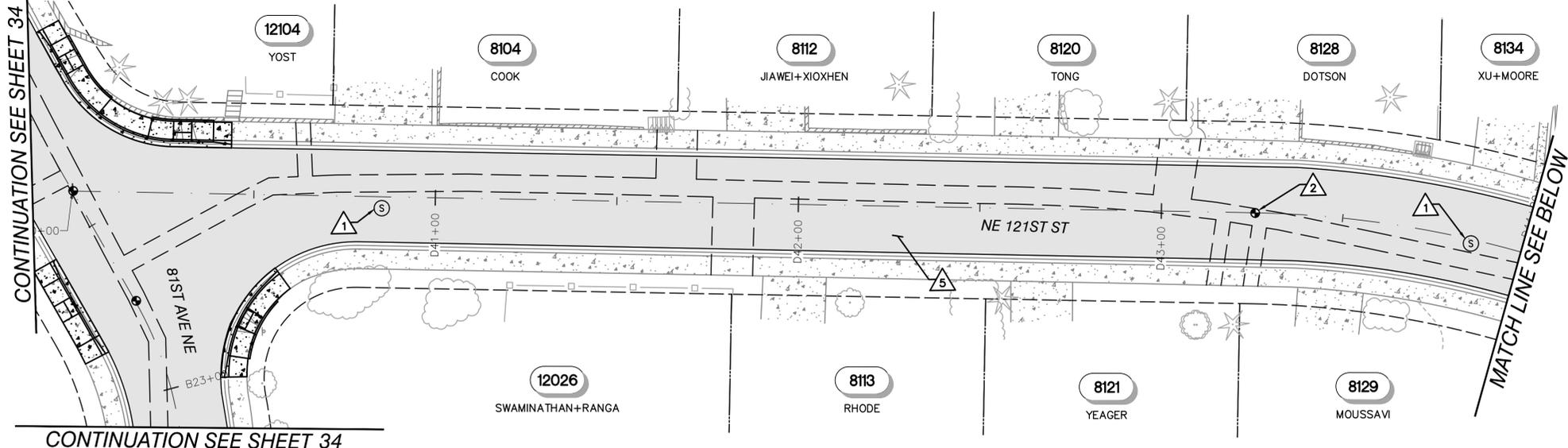
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WATER SEWER

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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
81ST AVE NE - STA B20+00 TO STA B25+03 - NE
121ST ST - STA G70+00 TO STA G71+15

BASE MAP K6
C2305
SHEET
34 OF 50

NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

GENERAL NOTES:

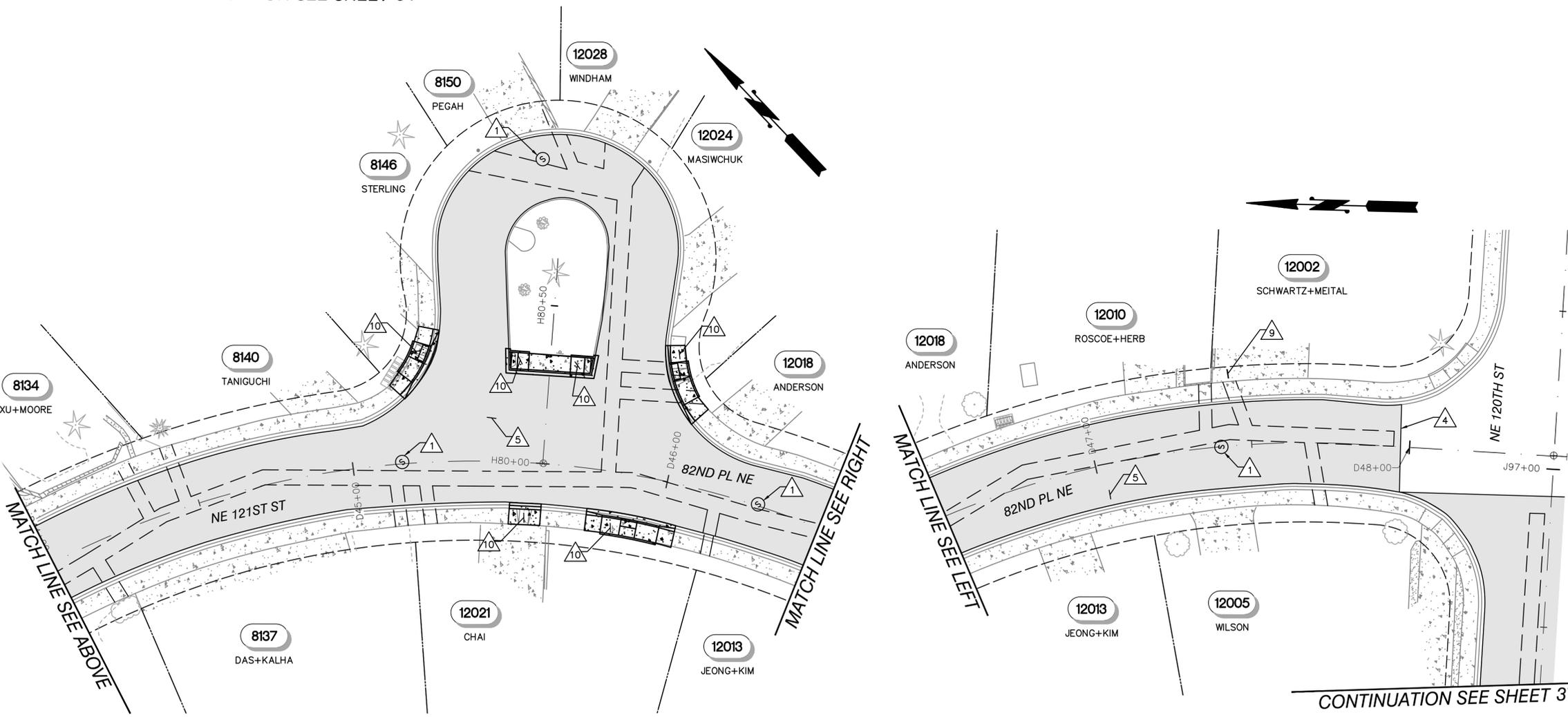
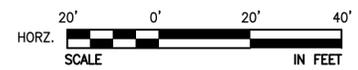
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- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE ROLLED CURB DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.17D.
- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE SIDEWALK DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.23.
- ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

RESTORATION NOTES:

- REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
- REPLACE DISTURBED MONUMENT PER CITY OF KIRKLAND STD DTL CK-R.03.
- MATCH EXISTING PAVEMENT PER CITY OF KIRKLAND DTL CK-R.13. THOROUGHLY TACK ALL EDGES.
- 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.
- CONCRETE DRIVEWAY RESTORATION PER CITY OF KIRKLAND STD DTL CK-R.39, MATCH EXISTING GRADES AND FINISHES. REMOVE AND RESTORE ENTIRE PANEL(S) AFFECTED.
- REMOVE AND REPLACE CURB RAMP. REFER TO ADA RAMP SHEETS.

LEGEND

- SAWCUT AND PERMANENT TRENCH PATCH PER CITY OF KIRKLAND STD DTL CK-R.07 (APPROXIMATE LIMITS)
- 2" DEPTH GRIND AND OVERLAY, FULL WIDTH
- CONCRETE RESTORATION
- SAWCUT, REMOVAL, AND FULL DEPTH HMA PAVEMENT LIMITED ROAD REPAIR (APPROXIMATE LIMITS)

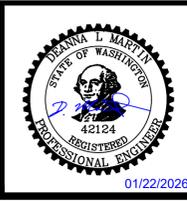


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APPROVAL	DLM
DATE	JAN 2026



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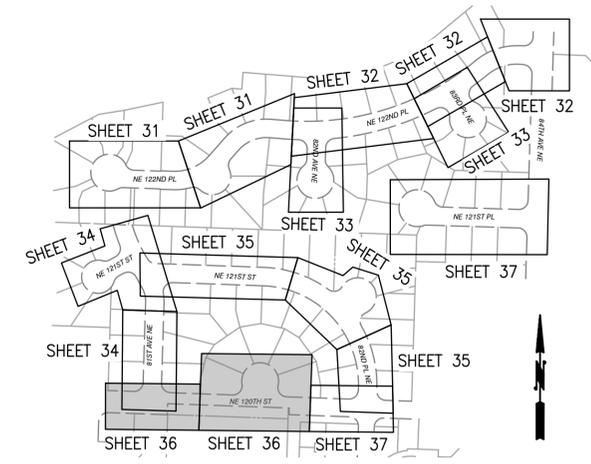
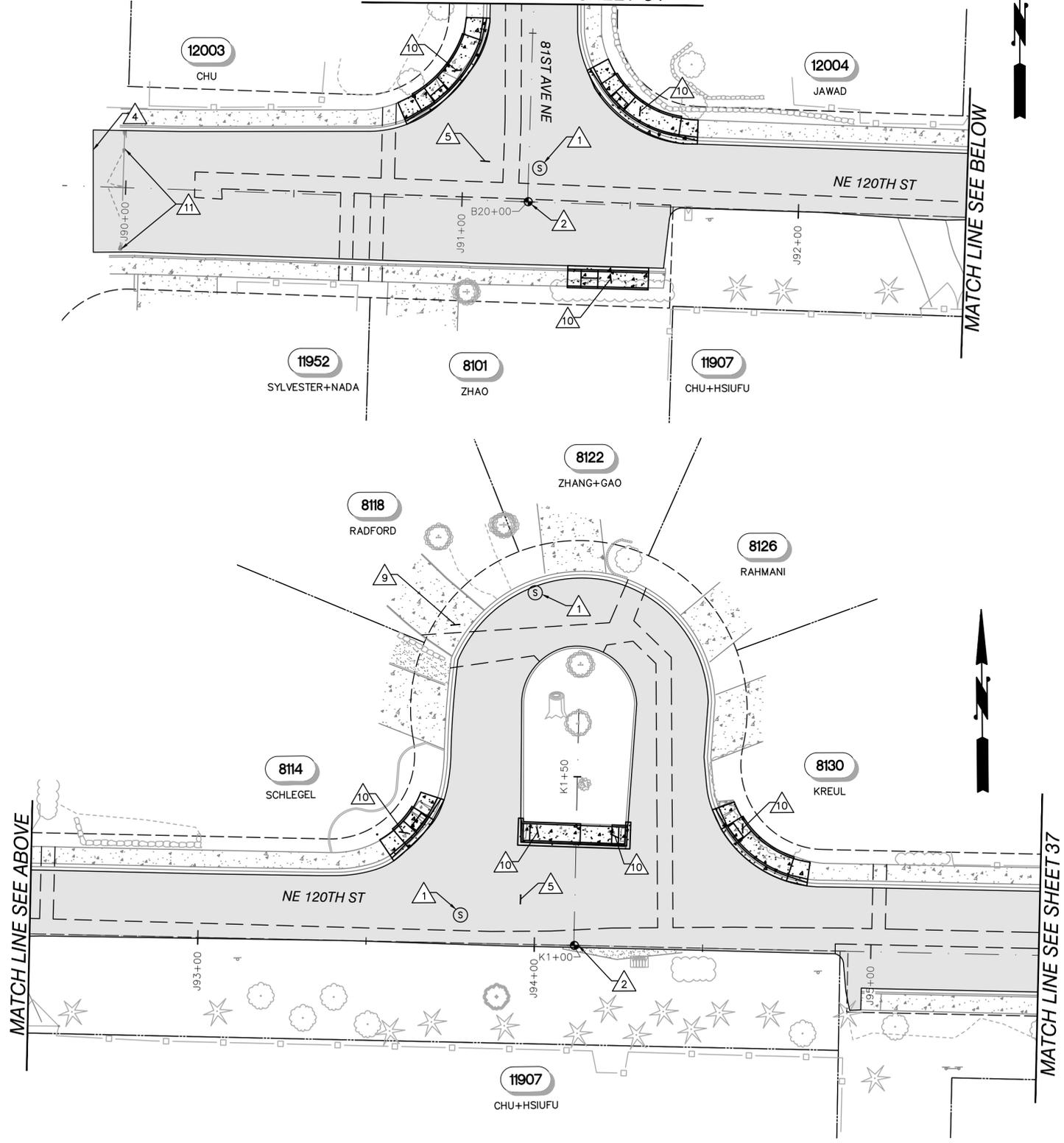
CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
NE 121ST ST - STA D44+00 TO STA D48+50 - 82ND PL NE CUL-DE-SAC - STA H80+00 TO STA H81+15

BASE MAP K6
C2305
SHEET
35 OF 50



NW 1/4, SEC 36, T26N, R4E

CONTINUATION SEE SHEET 34



KEY MAP
NTS

GENERAL NOTES:

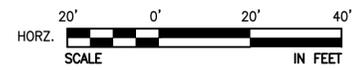
- REFER TO PROJECT SPECIFICATIONS FOR REQUIRED WORK TO BE COMPLETED AS PART OF "GENERAL RESTORATION". NOT ALL RESTORATION REQUIREMENTS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL RESTORE ALL EXISTING IMPROVEMENTS DISTURBED OR DAMAGED BY THE WORK TO A CONDITION EQUAL OR EXCEEDING CONDITIONS PRIOR TO CONSTRUCTION, REGARDLESS OF THE RESTORATION BEING IDENTIFIED ON THE PLANS.
- DAMAGED AREAS OF LAWN OR GRASS SHALL BE RESTORED WITH 4" DEPTH TOPSOIL AND SOD PER THE PROJECT SPECIFICATIONS.
- WHERE TREE IMPACTS ARE ANTICIPATED, CONTRACTOR SHALL NOTIFY THE CITY OF KIRKLAND, IN WRITING, A MINIMUM OF THREE WORKING DAYS IN ADVANCE OF THE WORK TO REQUEST INSPECTION. NO TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE CITY OF KIRKLAND. NO ROOTS LARGER THAN 2" DIAMETER SHALL BE CUT WITHOUT CITY OF KIRKLAND APPROVAL AND ARBORIST ON SITE. REFER TO PROJECT GENERAL NOTES, SHEET 3, FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE ROLLED CURB DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.17D.
- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE SIDEWALK DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.23.
- ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

RESTORATION NOTES:

- REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
- REPLACE DISTURBED MONUMENT PER CITY OF KIRKLAND STD DTL CK-R.03.
- MATCH EXISTING PAVEMENT PER CITY OF KIRKLAND DTL CK-R.13. THOROUGHLY TACK ALL EDGES.
- 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.
- CONCRETE DRIVEWAY RESTORATION PER CITY OF KIRKLAND STD DTL CK-R.39. MATCH EXISTING GRADES AND FINISHES. REMOVE AND RESTORE ENTIRE PANEL(S) AFFECTED.
- REMOVE AND REPLACE CURB RAMP. REFER TO ADA RAMP SHEETS.
- PROTECT EXISTING TRAFFIC GATES.

LEGEND

- SAWCUT AND PERMANENT TRENCH PATCH PER CITY OF KIRKLAND STD DTL CK-R.07 (APPROXIMATE LIMITS)
- 2" DEPTH GRIND AND OVERLAY, FULL WIDTH
- CONCRETE RESTORATION
- SAWCUT, REMOVAL, AND FULL DEPTH HMA PAVEMENT LIMITED ROAD REPAIR (APPROXIMATE LIMITS)



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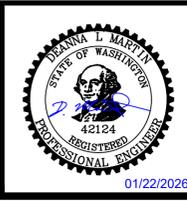
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DATE	JAN 2026

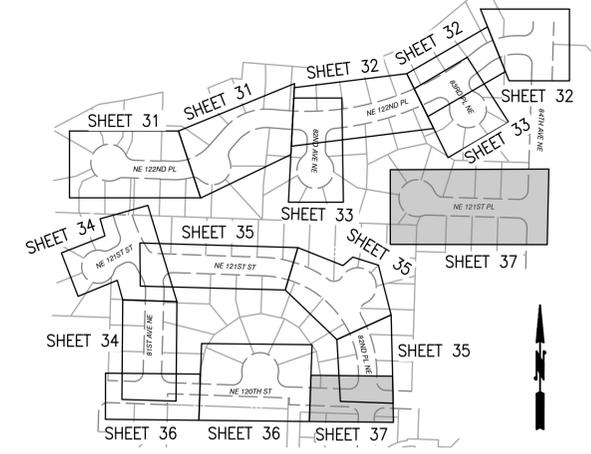
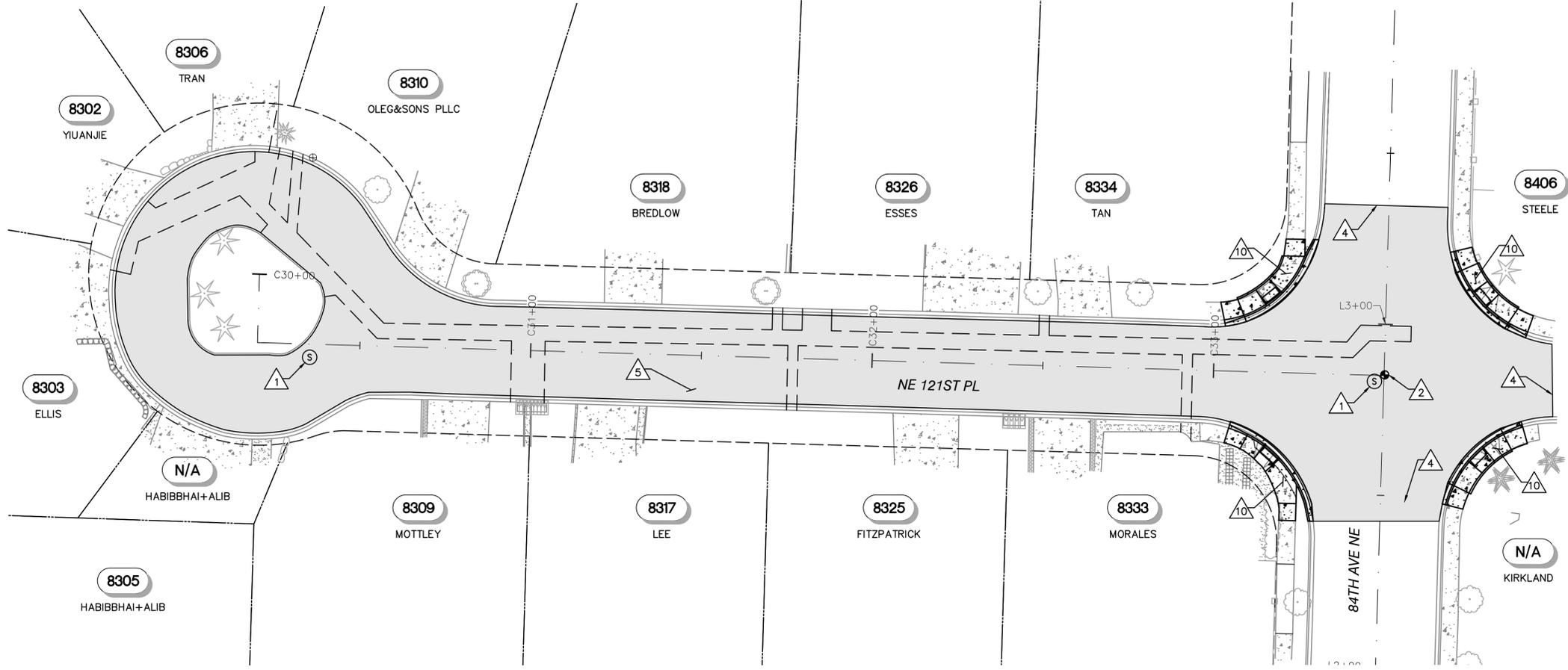


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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
NE 120TH ST - STA J90+00 TO STA J95+50 - NE
120TH ST CUL-DE-SAC - STA K1+00 TO STA K1+70

BASE MAP K6
C2305
SHEET
36 OF 50

NW 1/4, SEC 36, T26N, R4E



KEY MAP
NTS

GENERAL NOTES:

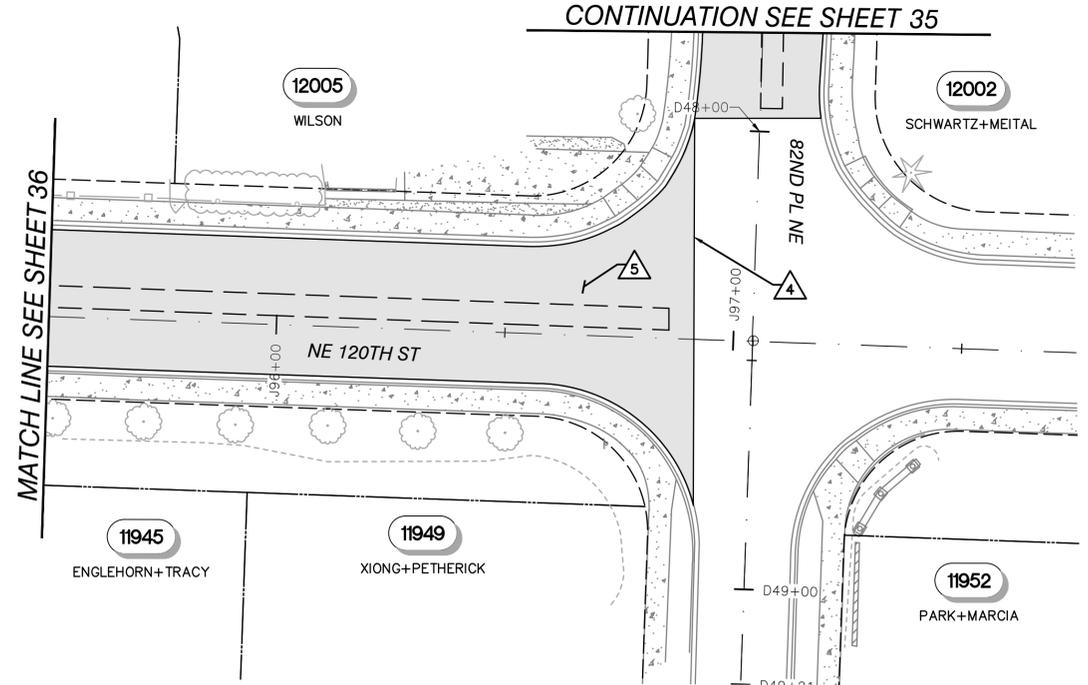
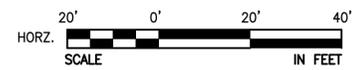
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- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE ROLLED CURB DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.17D.
- CONTRACTOR SHALL REMOVE AND RESTORE ALL CONCRETE SIDEWALK DAMAGED BY THE WORK PER CITY OF KIRKLAND STD DTL CK-R.23.
- ALL ABANDONED VALVE BOXES AND WATER APPURTENANCES MUST BE REMOVED AND PERMANENT PATCHED PER CITY OF KIRKLAND STD DTL CK-R.07 PRIOR TO GRIND AND OVERLAY.

RESTORATION NOTES:

- REPLACE EXISTING NUD MANHOLE FRAME AND CASTINGS PER NUD STD DTL 1, NUD STD DTL 5, AND CITY OF KIRKLAND STD DTL CK-R.02.
- REPLACE DISTURBED MONUMENT PER CITY OF KIRKLAND STD DTL CK-R.03.
- MATCH EXISTING PAVEMENT PER CITY OF KIRKLAND DTL CK-R.13. THOROUGHLY TACK ALL EDGES.
- 2" GRIND AND OVERLAY PER CITY OF KIRKLAND STD DTL CK-R.13B.
- REMOVE AND REPLACE CURB RAMP. REFER TO ADA RAMPS SHEETS.

LEGEND

- SAWCUT AND PERMANENT TRENCH PATCH PER CITY OF KIRKLAND STD DTL CK-R.07 (APPROXIMATE LIMITS)
- 2" DEPTH GRIND AND OVERLAY, FULL WIDTH
- CONCRETE RESTORATION
- SAWCUT, REMOVAL, AND FULL DEPTH HMA PAVEMENT LIMITED ROAD REPAIR (APPROXIMATE LIMITS)

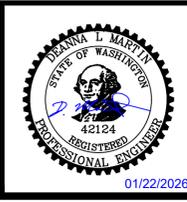


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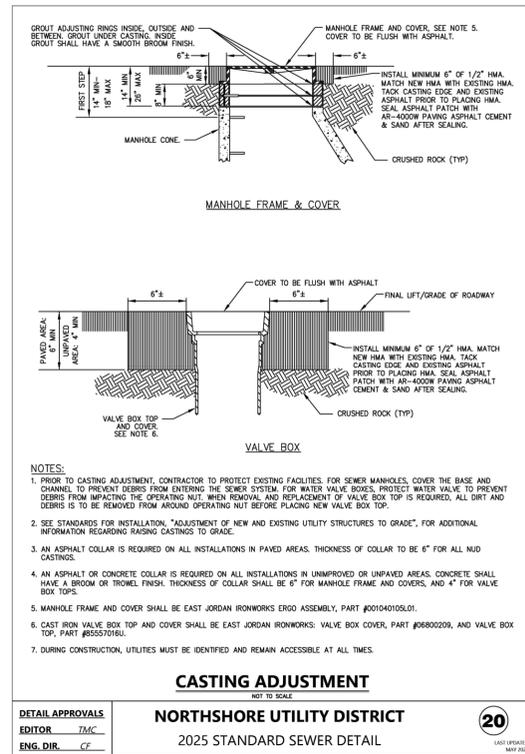
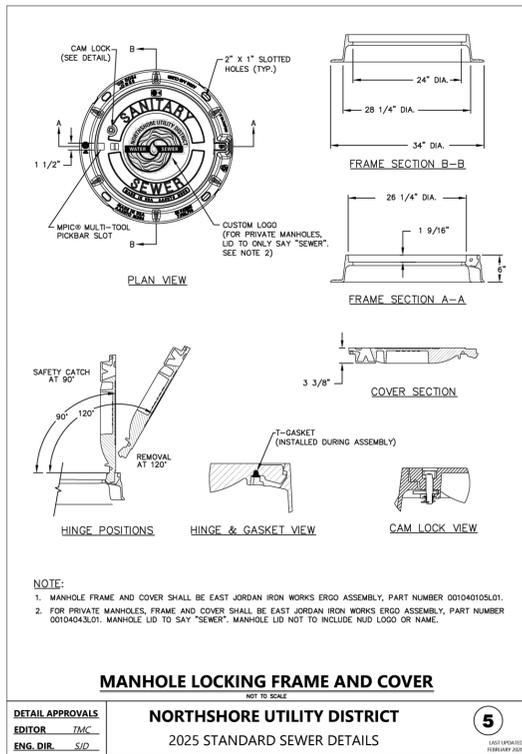
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122-84 WATER MAIN IMPROVEMENTS
RESTORATION & CHANNELIZATION
NE 120TH ST - STA J95+50 TO STA J97+50 - NE
121ST PL - STA C30+00 TO STA C33+50

BASE MAP K6
C2305
SHEET
37 OF 50



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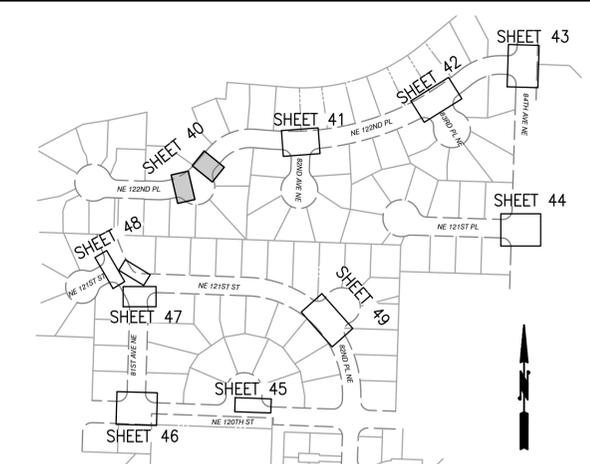
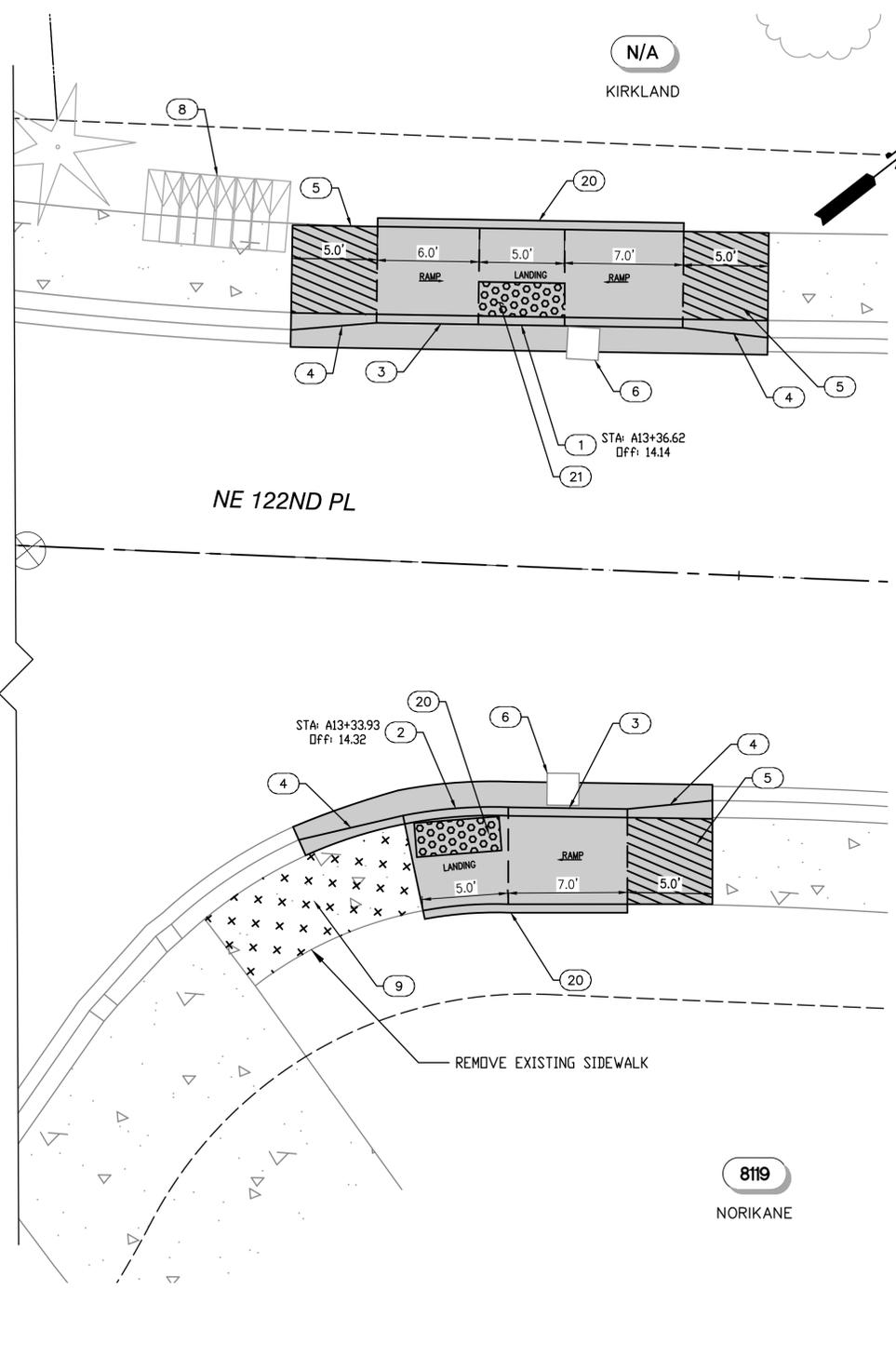
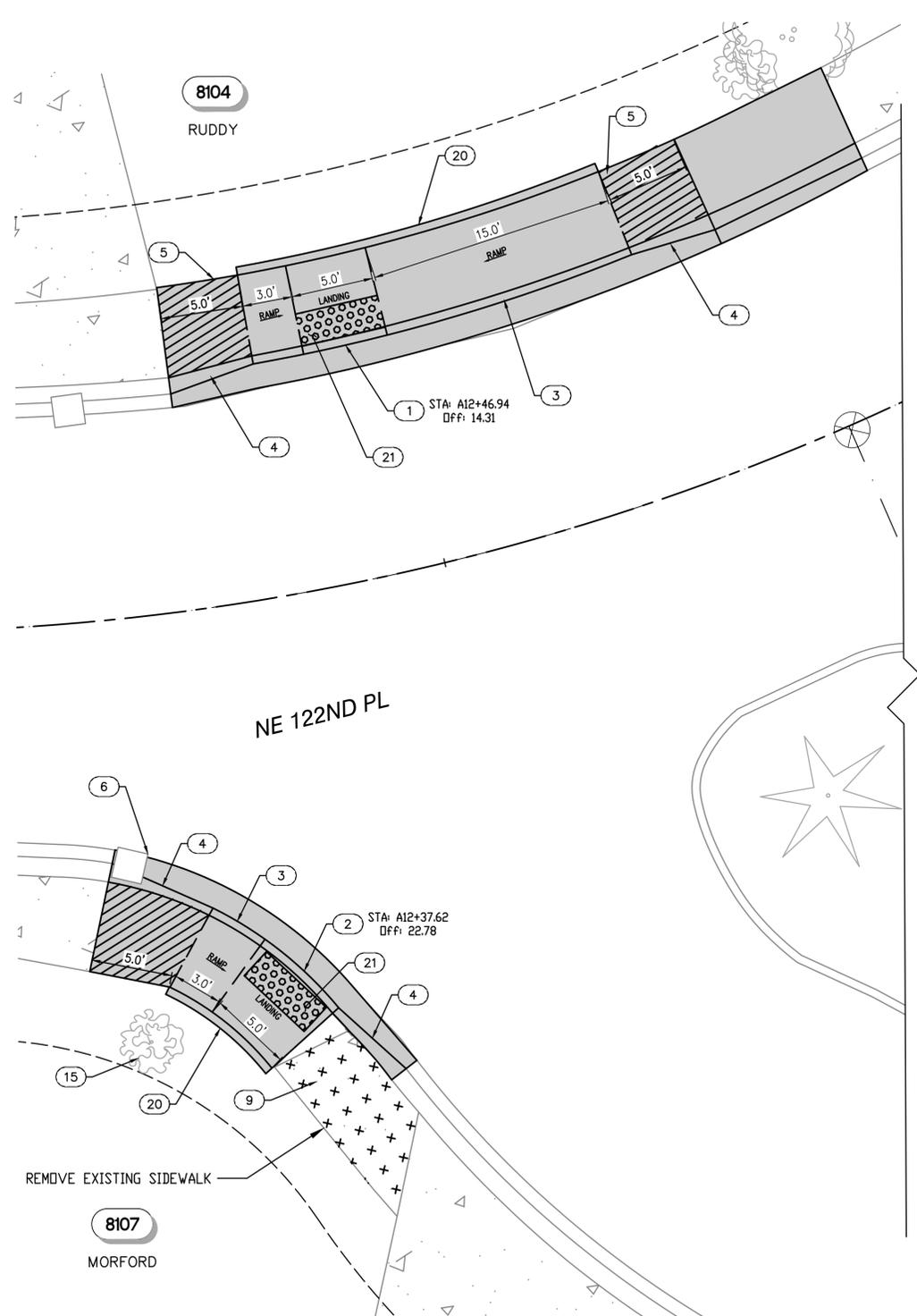
**RESTORATION & CHANNELIZATION
DETAILS**

CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS

BASE MAP K6
C2305
SHEET
39 OF 50

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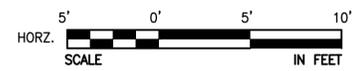
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KEY MAP
NTS

- GENERAL NOTES:**
- CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
 - COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERS RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
 - CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

- CONSTRUCTION NOTES**
- CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
 - CONSTRUCT TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
 - CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5" WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
 - CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
 - SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
 - PROTECT EXISTING CATCH BASIN. ADJUST FRAME AND GRATE AS NECESSARY TO ALIGN WITH VERTICAL CURB AND GUTTER.
 - PROTECT EXISTING MAILBOXES.
 - REPLACE REMOVED SIDEWALK WITH 6" TOPSOIL AND HYDROSEED.
 - PROTECT EXISTING SHRUBS.
 - CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
 - TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B.



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CHECKED BY: DLM

APPROVAL: DLM

DATE: JAN 2026



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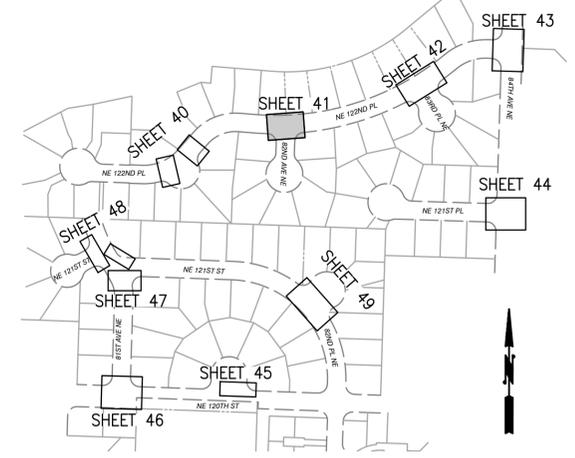
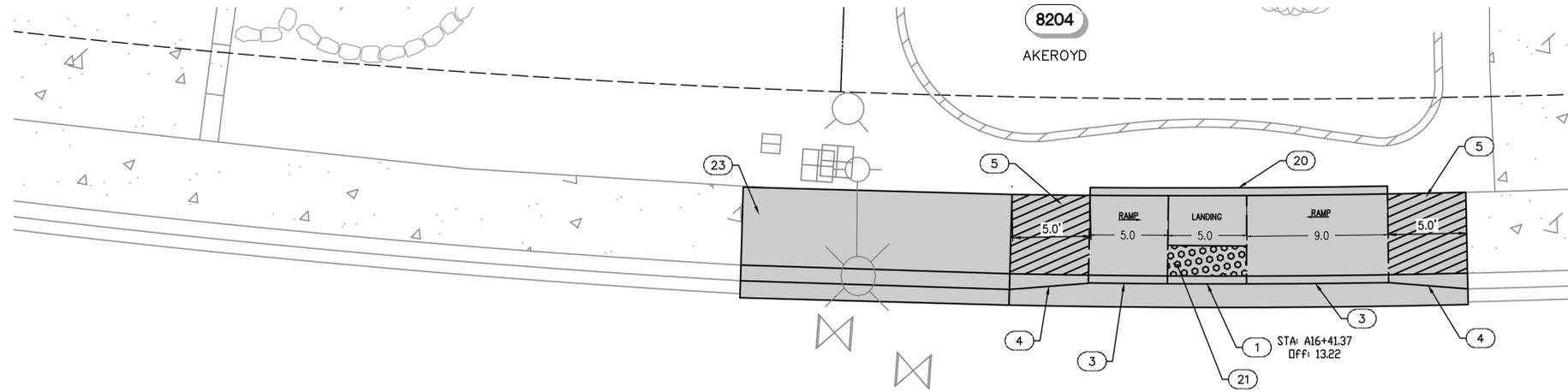
CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
NE 122ND PL - STA A12+23 TO STA A13+58

BASE MAP K6
C2305
SHEET
40 OF 50

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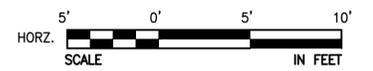
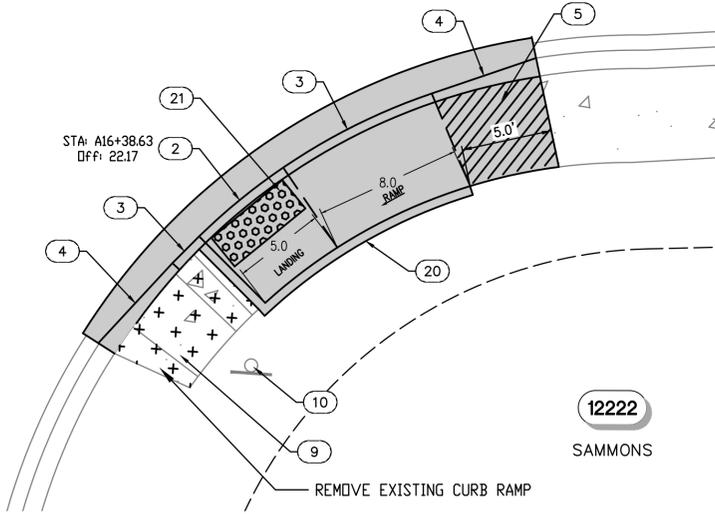
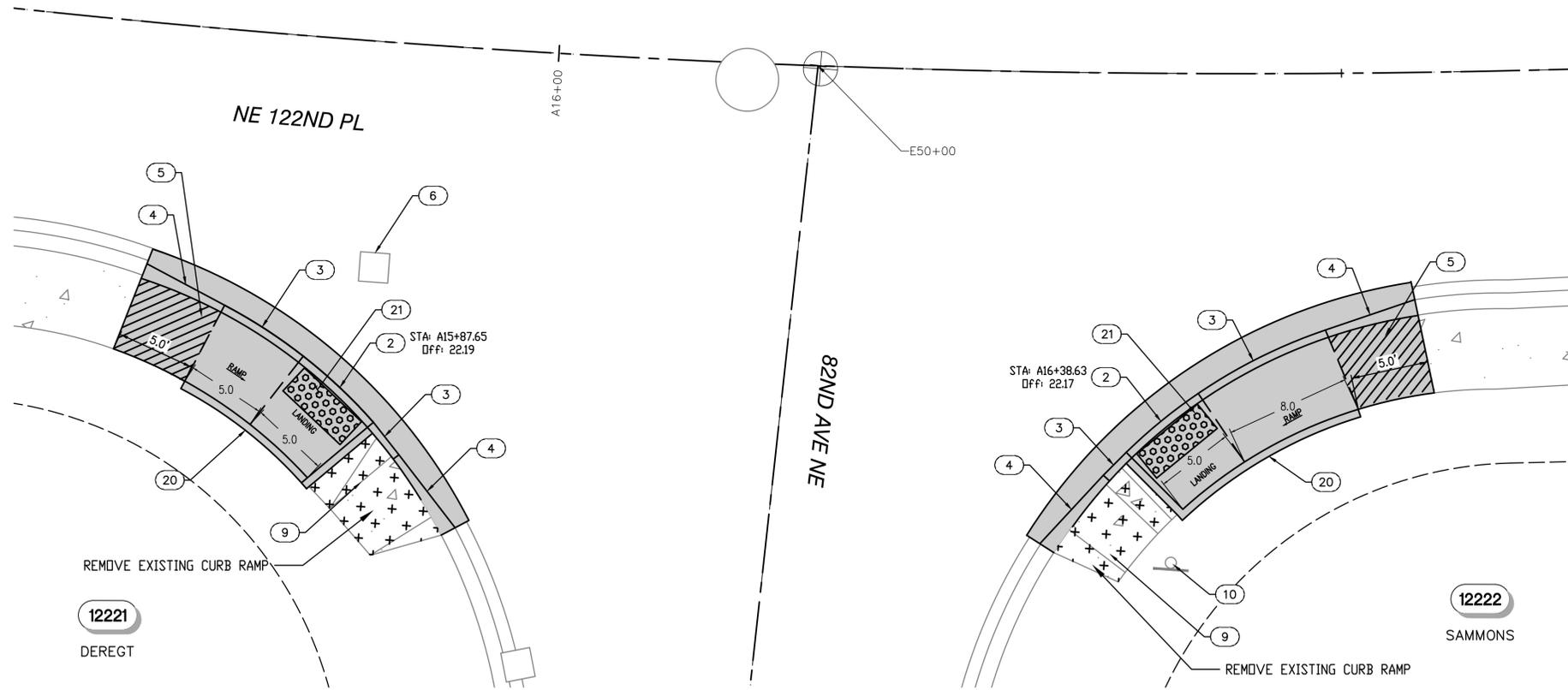
KEY MAP
NTS

GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
2. COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERS RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
3. CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION NOTES

1. CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. CONSTRUCT TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
3. CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
4. CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
5. SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
6. PROTECT EXISTING CATCH BASIN. ADJUST FRAME AND GRATE AS NECESSARY TO ALIGN WITH VERTICAL CURB AND GUTTER.
9. REPLACE REMOVED SIDEWALK WITH 6" TOPSOIL AND HYDROSEED.
10. PROTECT EXISTING SIGN.
20. CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
21. TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND STD DTL CK-R.25B.
23. REMOVE AND REPLACE EXISTING RAMP WITH CONCRETE SIDEWALK PER CITY OF KIRKLAND STD DTL CK-R.23.



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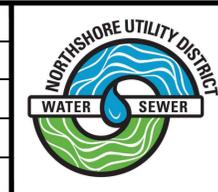
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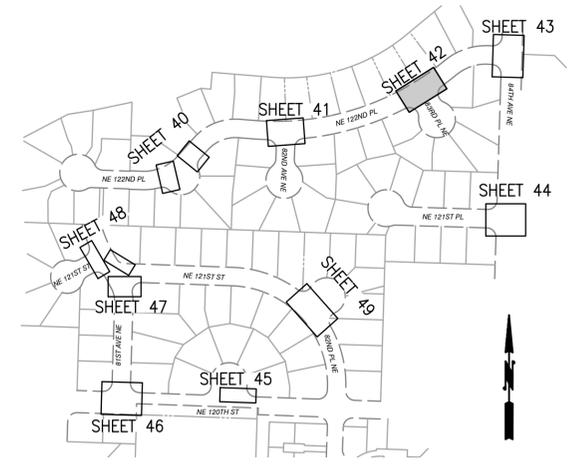
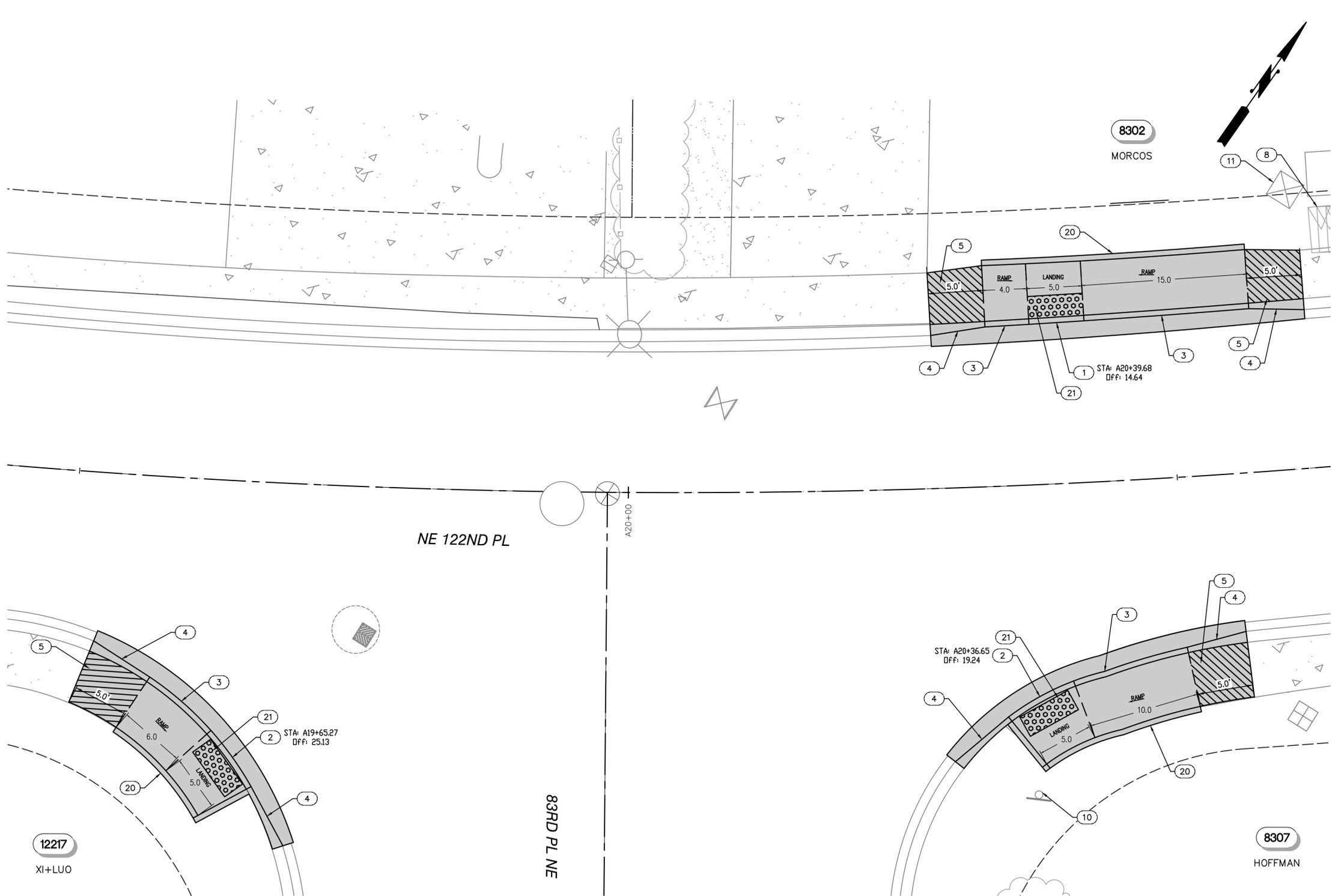
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
NE 122ND PL - STA A15+65 TO STA A16+65 -
82ND AVE NE - STA E50+00 TO E50+39

BASE MAP K6
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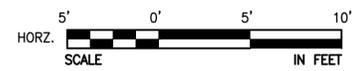
KEY MAP
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CONSTRUCTION NOTES

1. CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. CONSTRUCT TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
3. CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
4. CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
5. SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
8. PROTECT EXISTING MAILBOXES.
10. PROTECT EXISTING SIGN.
11. PROTECT EXISTING TELEPHONE STRUCTURE.
20. CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
21. TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B.



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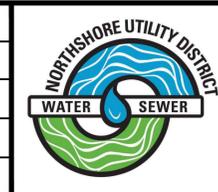
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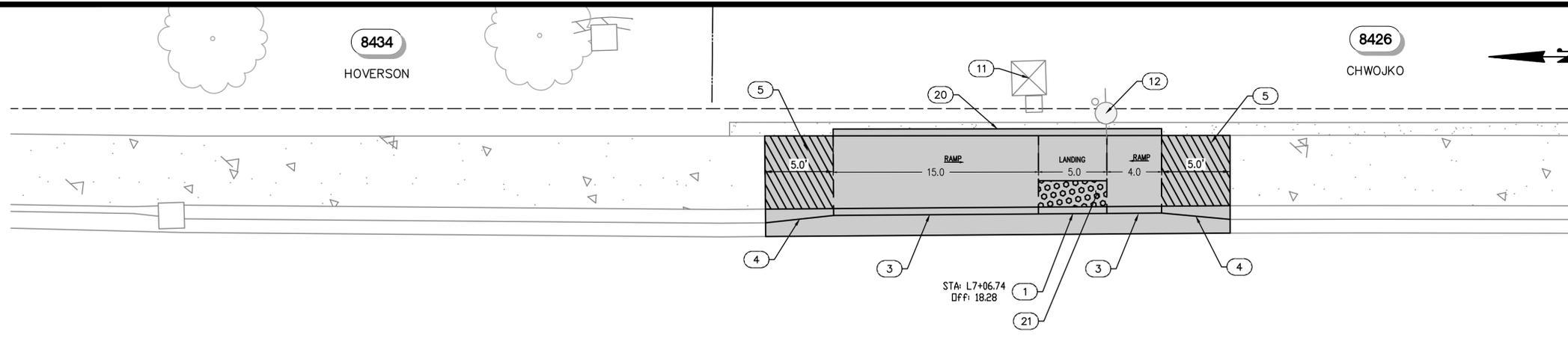
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ADA RAMPS
NE 122ND PL - STA A19+43 TO STA A20+63 -
83RD PL NE - STA F60+00 TO F60+36

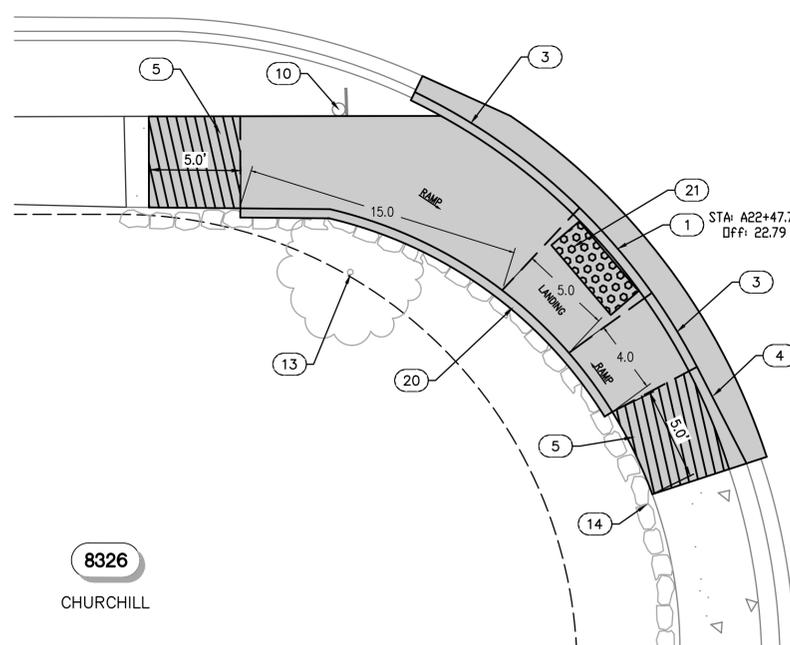
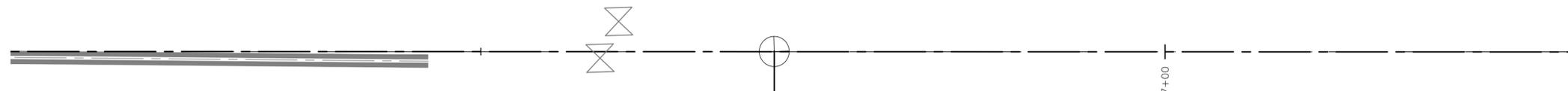
BASE MAP K6
 C2305
SHEET
42 OF 50



Plotted By: Kim, Jenna Sheet No: 122-84 Layout: RA.04 January 26, 2026 12:10:32pm K:\SNO_PublicSector\090101000 NUD 122-84\2 - CADD\PlanSheets\ADA RAMPS.dwg



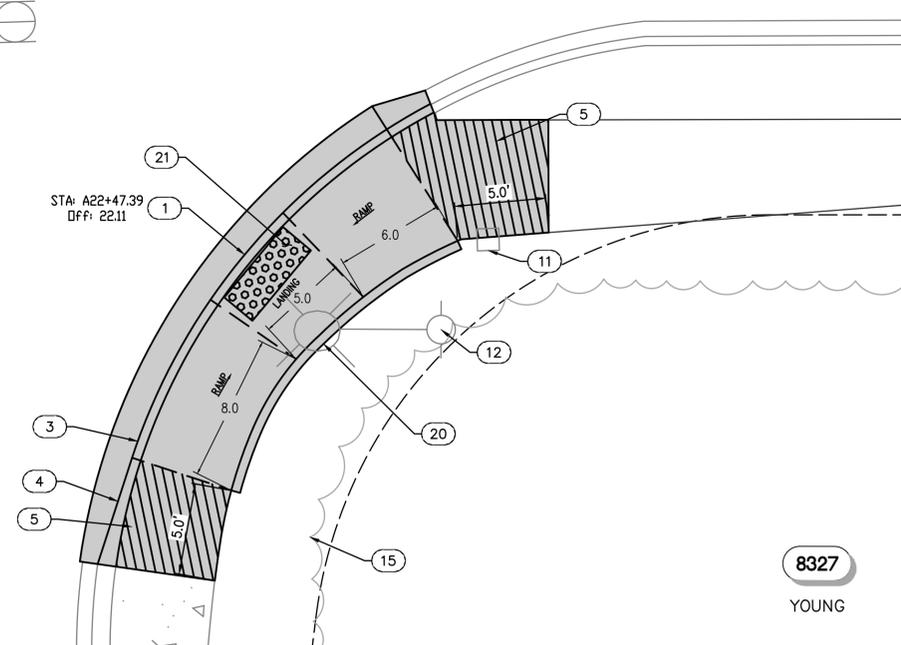
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8326

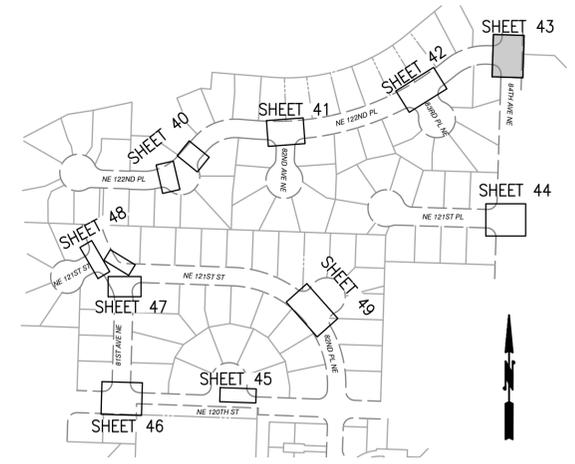
CHURCHILL

NE 122ND PL



8327

YOUNG



KEY MAP
NTS

GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
2. COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERS RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
3. CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION NOTES

1. CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
3. CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
4. CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
5. SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
10. PROTECT EXISTING SIGN.
11. PROTECT EXISTING TELEPHONE STRUCTURE.
12. PROTECT EXISTING UTILITY POLE/LIGHT POLE. PROVIDE TEMP SUPPORT AS REQUIRED.
13. PROTECT EXISTING TREE.
14. PROTECT EXISTING ROCKERY.
15. PROTECT EXISTING SHRUBS.
20. CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
21. TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B.



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APPROVAL	DLM
DATE	JAN 2026



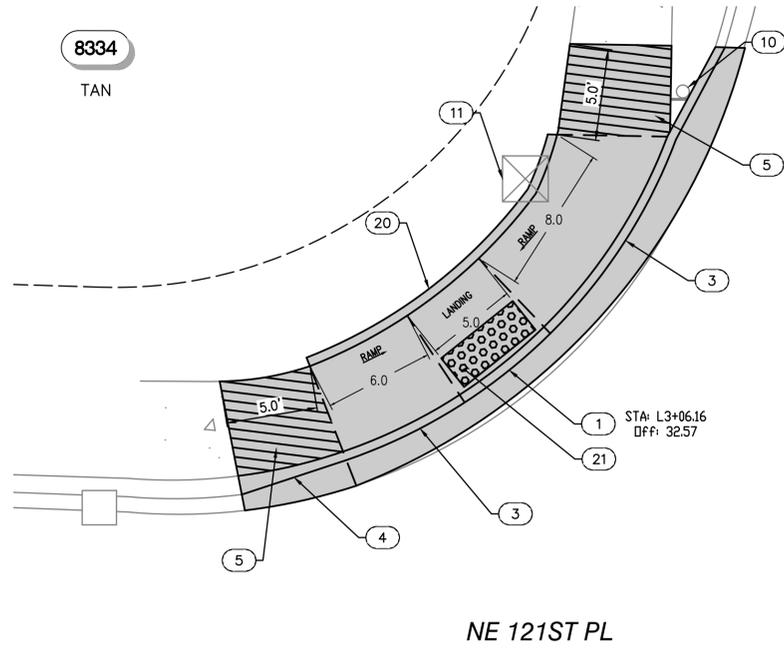
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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
NE 122ND PL - STA A22+25 TO STA A22+80 -
84TH AVE NE - STA L6+69 TO L7+84

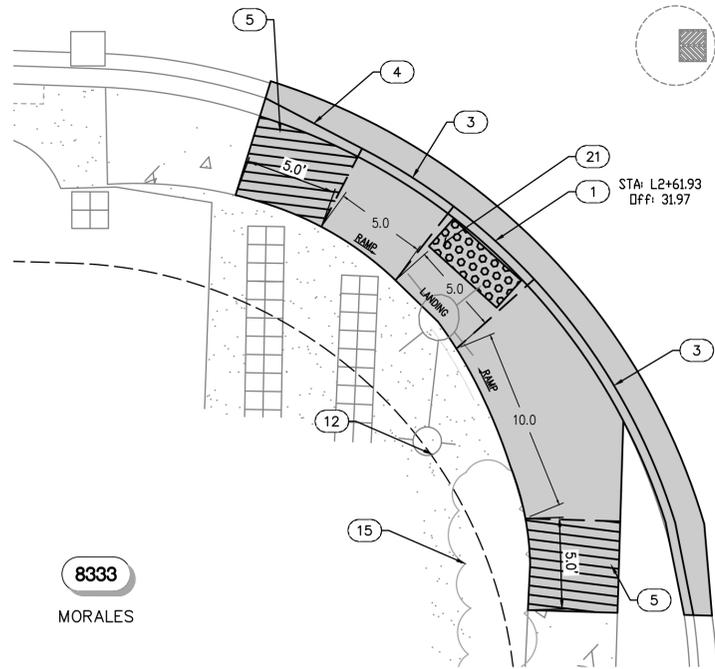
BASE MAP K6
 C2305
 SHEET
43 OF 50



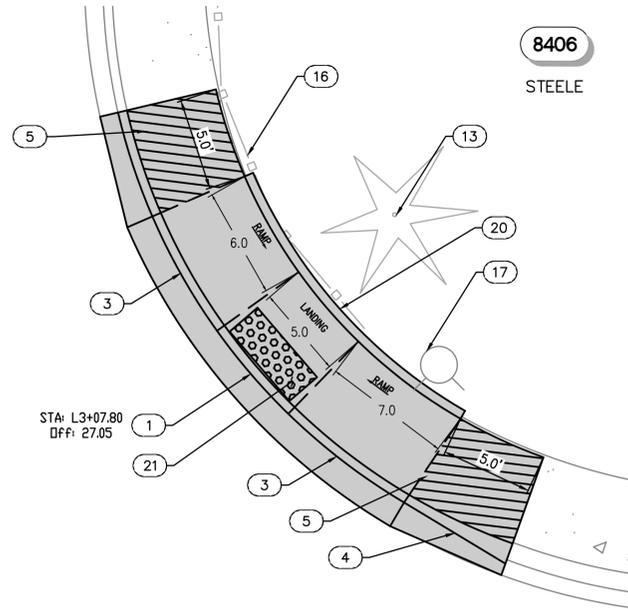
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NE 121ST PL

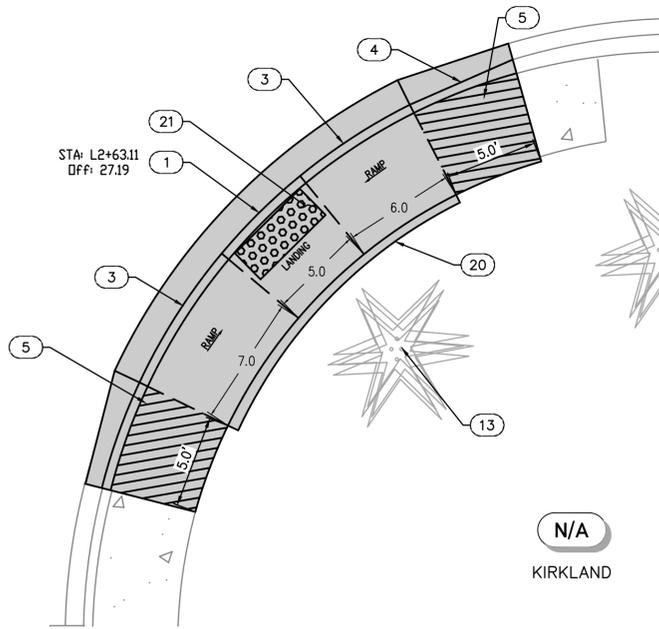


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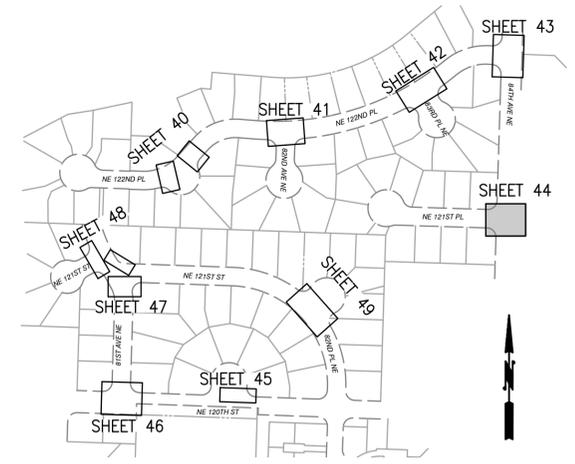


8406
STEELE

84TH AVE NE



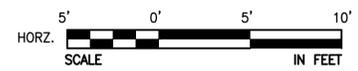
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KEY MAP
NTS

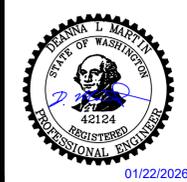
- GENERAL NOTES:**
- CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
 - COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERENCES RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
 - CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

- CONSTRUCTION NOTES**
- CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
 - CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
 - CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
 - SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
 - PROTECT EXISTING SIGN.
 - PROTECT EXISTING TELEPHONE STRUCTURE.
 - PROTECT EXISTING UTILITY POLE/LIGHT POLE. PROVIDE TEMP SUPPORT AS REQUIRED.
 - PROTECT EXISTING TREE.
 - PROTECT EXISTING SHRUBS.
 - PROTECT EXISTING WOOD FENCE.
 - PROTECT EXISTING FIRE HYDRANT.
 - CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
 - TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B.

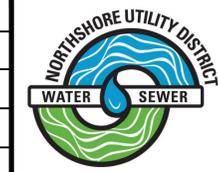


NO	BY	APPD	REVISION	DATE

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APPROVAL	DLM
DATE	JAN 2026



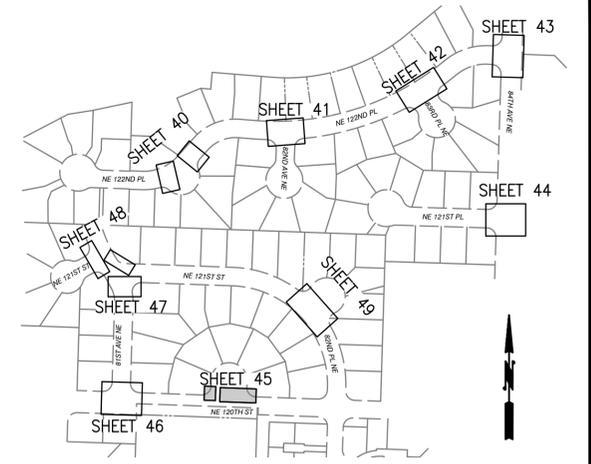
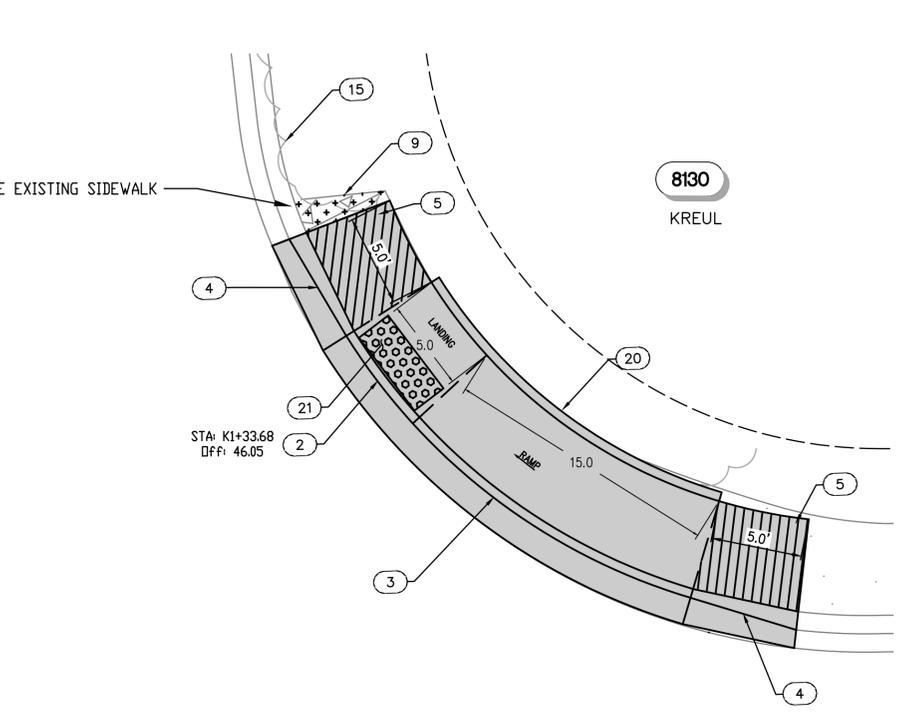
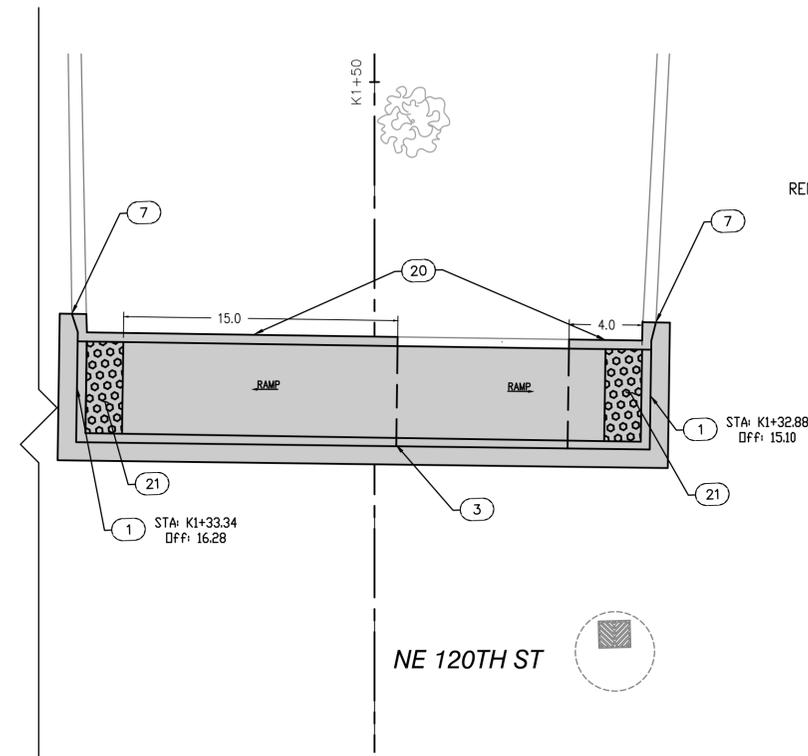
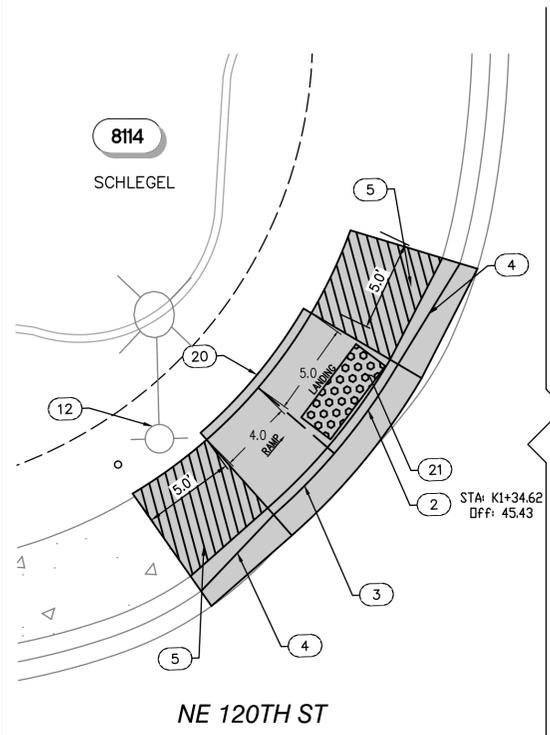
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CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
84TH AVE NE - STA L2+39 TO STA L3+27 - NE
120TH PL STA C30+00 TO STA C30+59

BASE MAP K6
C2305
SHEET
44 OF 50

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GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
2. COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERS RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
3. CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION NOTES

1. CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. CONSTRUCT TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
3. CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
4. CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
5. SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
7. MATCH EXISTING VERTICAL CURB WITH PROPOSED VERTICAL CURB.
9. REPLACE REMOVED SIDEWALK WITH 6" TOPSOIL AND HYDROSEED.
12. PROTECT EXISTING UTILITY POLE/LIGHT POLE. PROVIDE TEMP SUPPORT AS REQUIRED.
15. PROTECT EXISTING SHRUBS.
20. CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
21. TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND STD DTL CK-R.25B.



NO	BY	APPD	REVISION	DATE
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	DESIGNED BY	NEK
	DRAWN BY	JA
	CHECKED BY	DLM
	APPROVAL	DLM
	DATE	JAN 2026

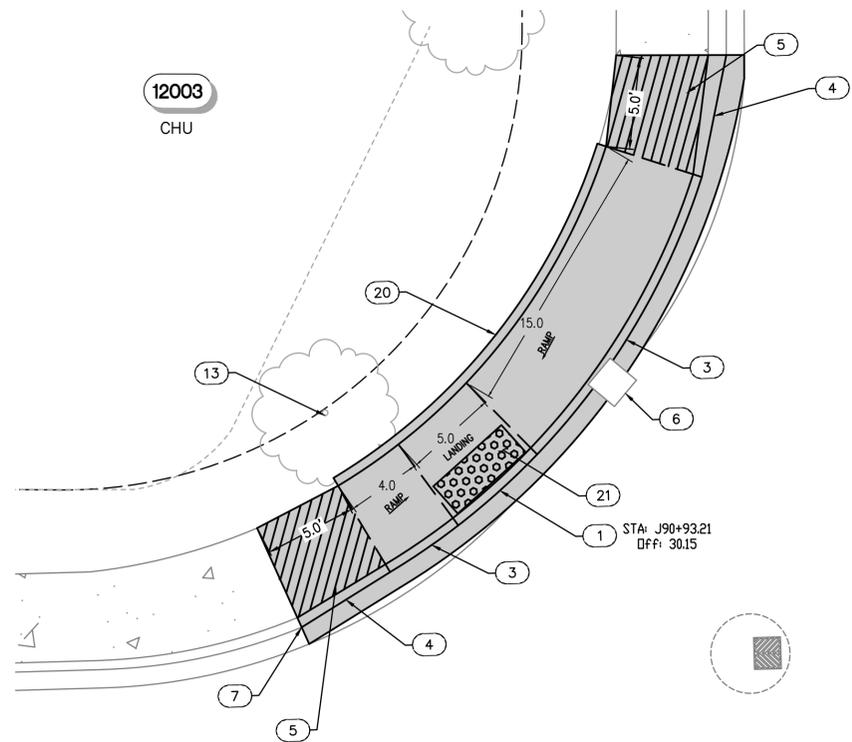
	NORTHSHORE UTILITY DISTRICT	
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
NE 120TH ST - STA J93+45 TO STA J94+86

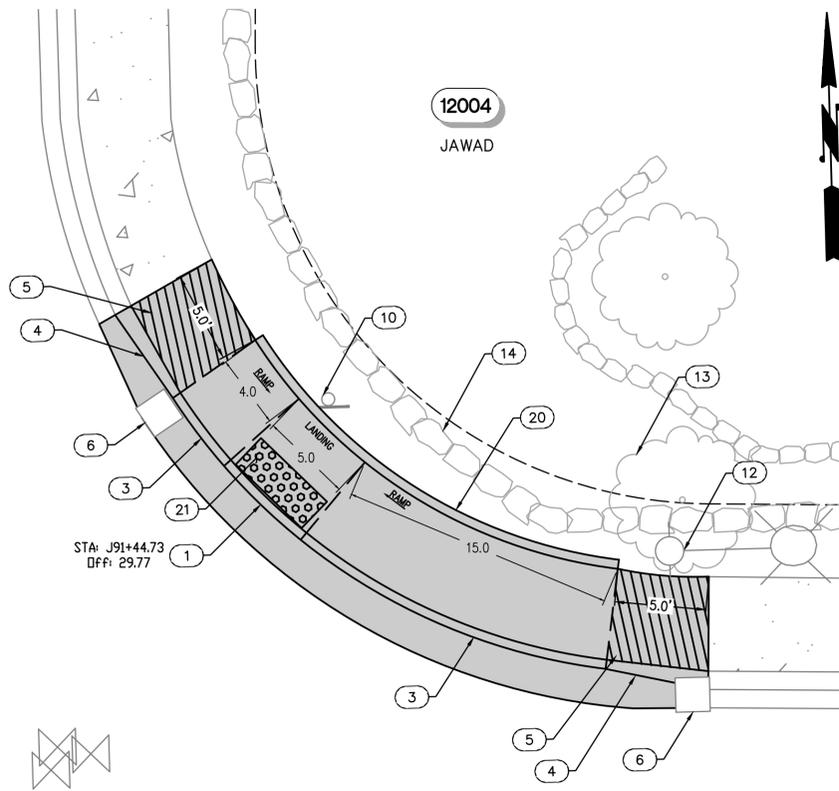
BASE MAP K6
C2305
SHEET
45 OF 50

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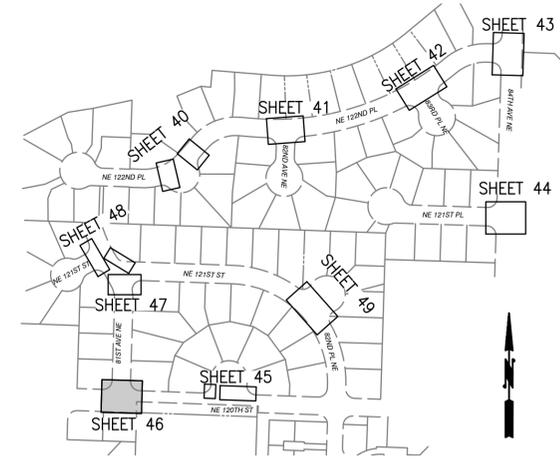
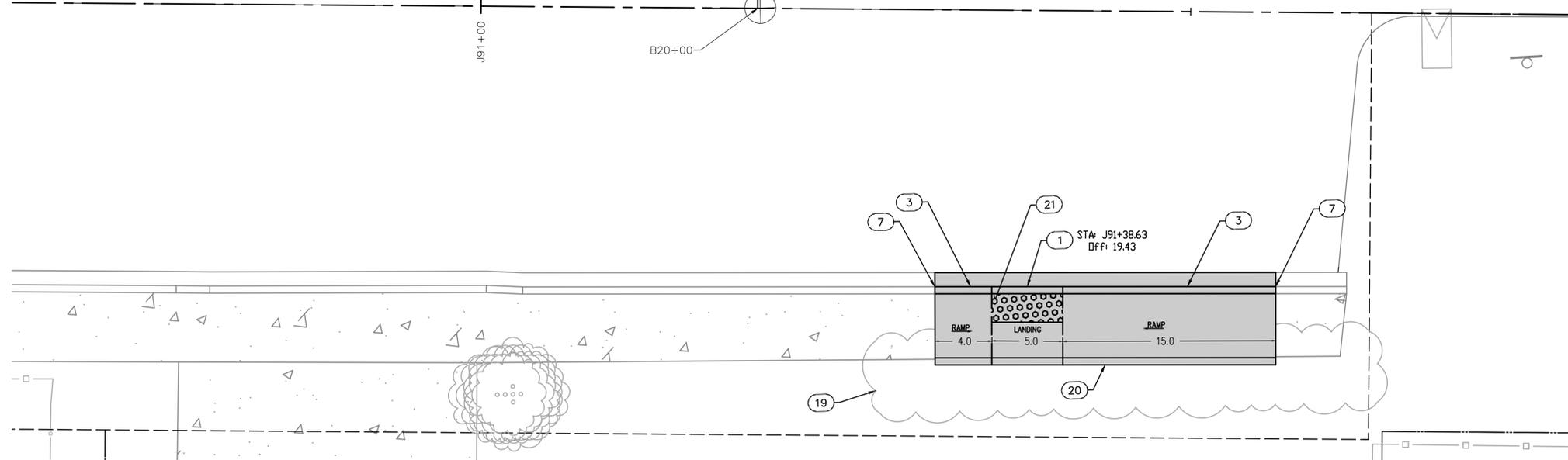
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81ST AVE NE



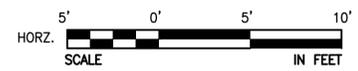
NE 120TH ST



KEY MAP
NTS

- GENERAL NOTES:**
- CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
 - COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERENCES RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
 - CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

- CONSTRUCTION NOTES**
- CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03, SHT 49.
 - CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17, SHT 49. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
 - CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL XXX.
 - CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
 - SAVE AND PROTECT EXISTING CATCH BASIN TO REMAIN. ADJUST FRAME AND GRATE AS NECESSARY TO ALIGN WITH VERTICAL CURB AND GUTTER.
 - MATCH EXISTING VERTICAL CURB WITH PROPOSED VERTICAL CURB.
 - PROTECT EXISTING SIGN.
 - PROTECT EXISTING UTILITY POLE.
 - PROTECT EXISTING TREE.
 - PROTECT EXISTING ROCKERY.
 - TRIM EXISTING SHRUBS AS NEEDED TO REPLACE RAMP.
 - CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A, SHT 49.
 - TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B, SHT 49.



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APPROVAL	DLM
DATE	JAN 2026

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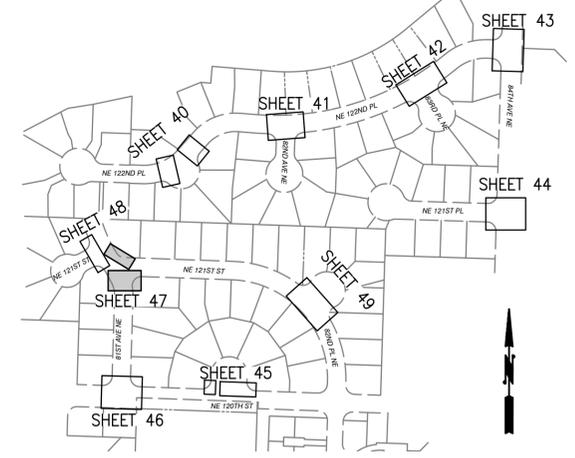
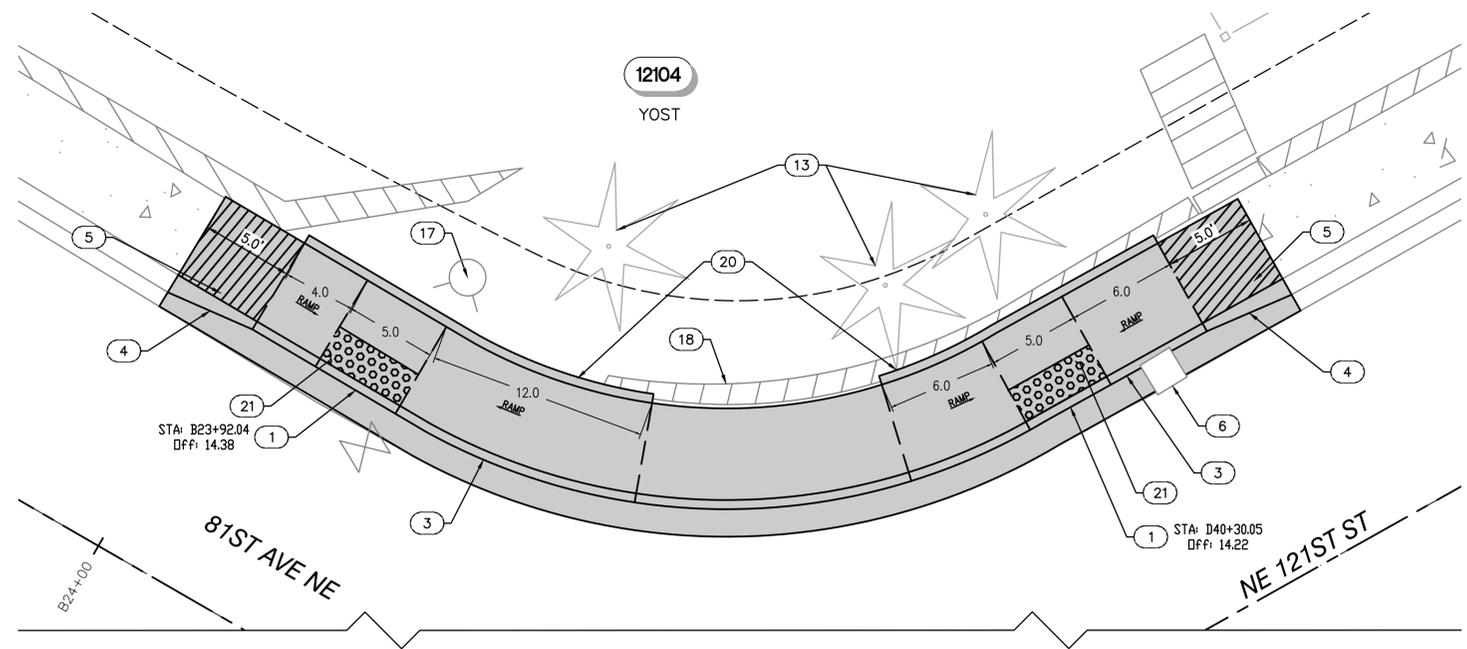
CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS

ADA RAMPS

**NE 120TH ST - STA J90+66 TO STA J91+76 -
 81ST AVE NE STA B20+00 TO STA B 20+56**

BASE MAP K6
C2305
SHEET
46 OF 50

Plotted By: Kim, Jenna Sheet No: 122-84 Layout: RA.09 January 26, 2026 12:11:10pm K:\SNO_PublicSector\090181000 NUD 122-84\2 - CADD\PlanSheets\ADA RAMPS.dwg



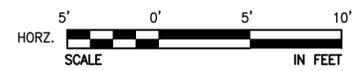
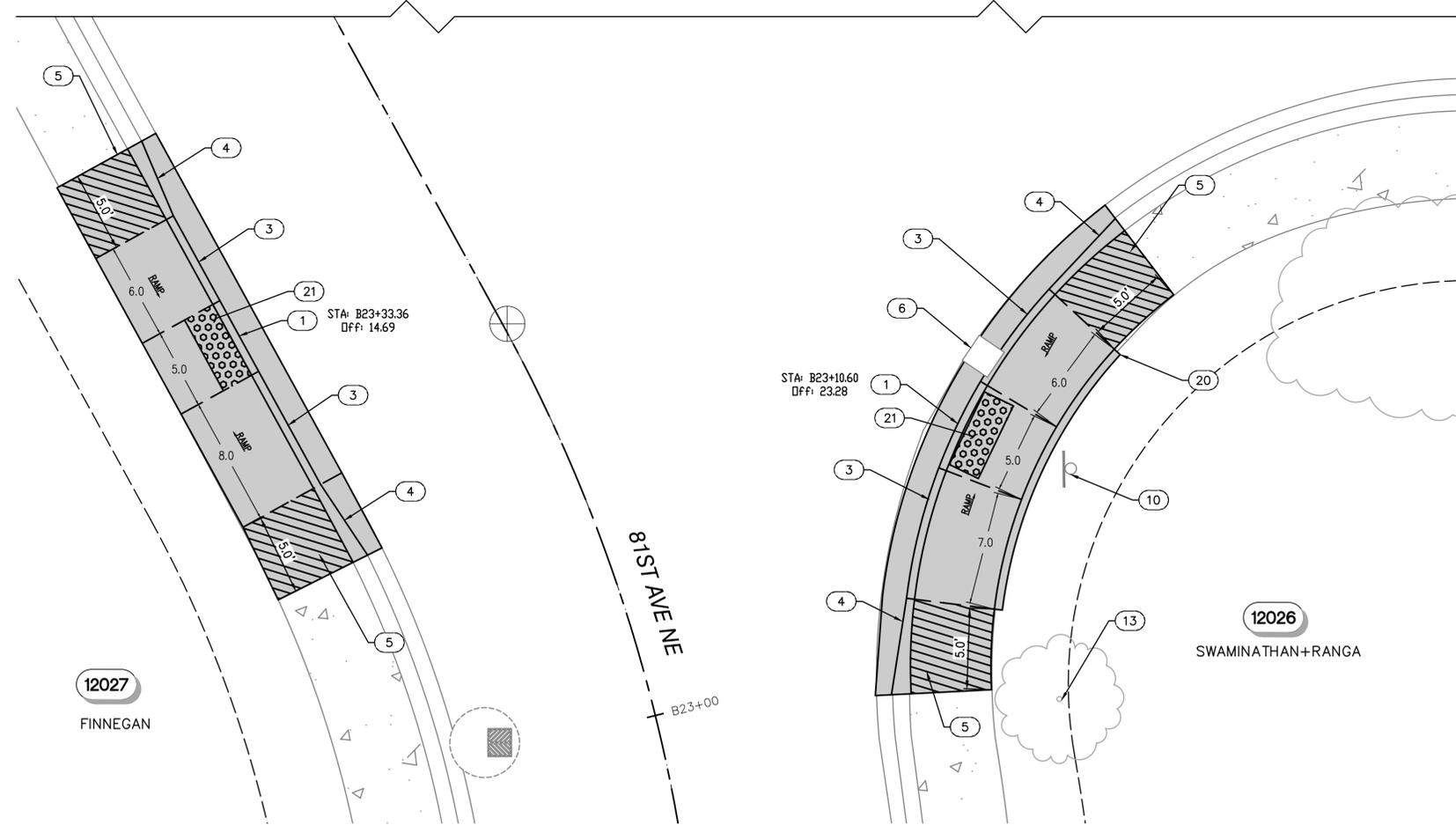
KEY MAP
NTS

GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
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CONSTRUCTION NOTES

1. CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03, SHT 49.
3. CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17, SHT 49. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
4. CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL XXX.
5. CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
6. SAVE AND PROTECT EXISTING CATCH BASIN TO REMAIN. ADJUST FRAME AND GRATE AS NECESSARY TO ALIGN WITH VERTICAL CURB AND GUTTER.
10. PROTECT EXISTING SIGN.
13. PROTECT EXISTING TREE.
17. PROTECT EXISTING FIRE HYDRANT.
18. PROTECT EXISTING RETENTION WALL.
20. CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A, SHT 49.
21. TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B, SHT 49.



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DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026

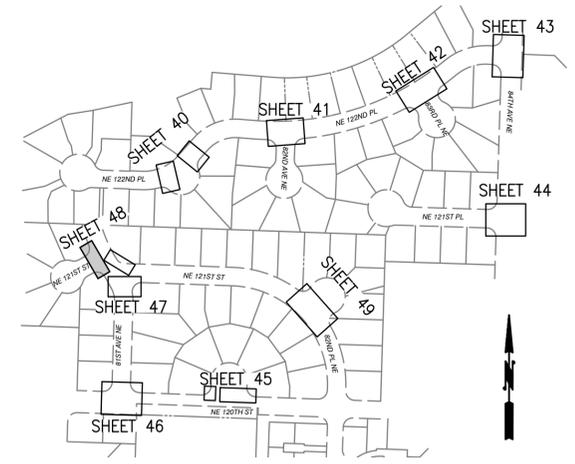
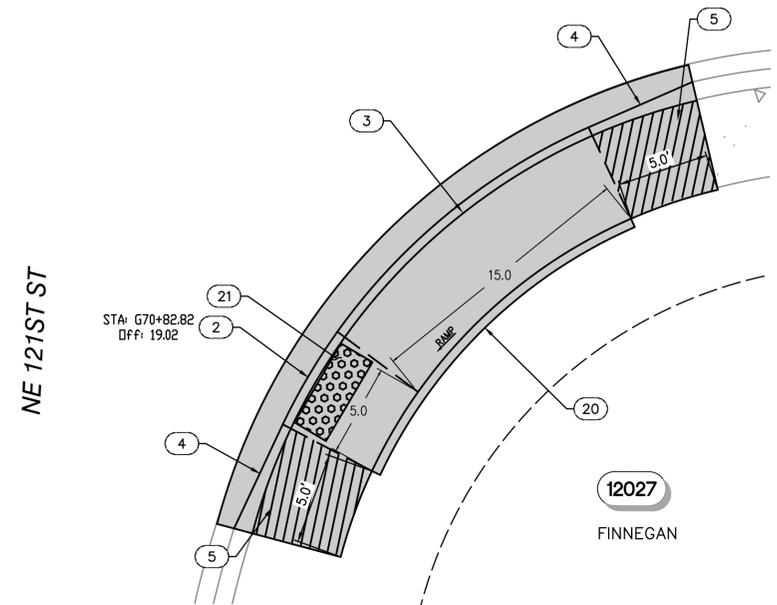
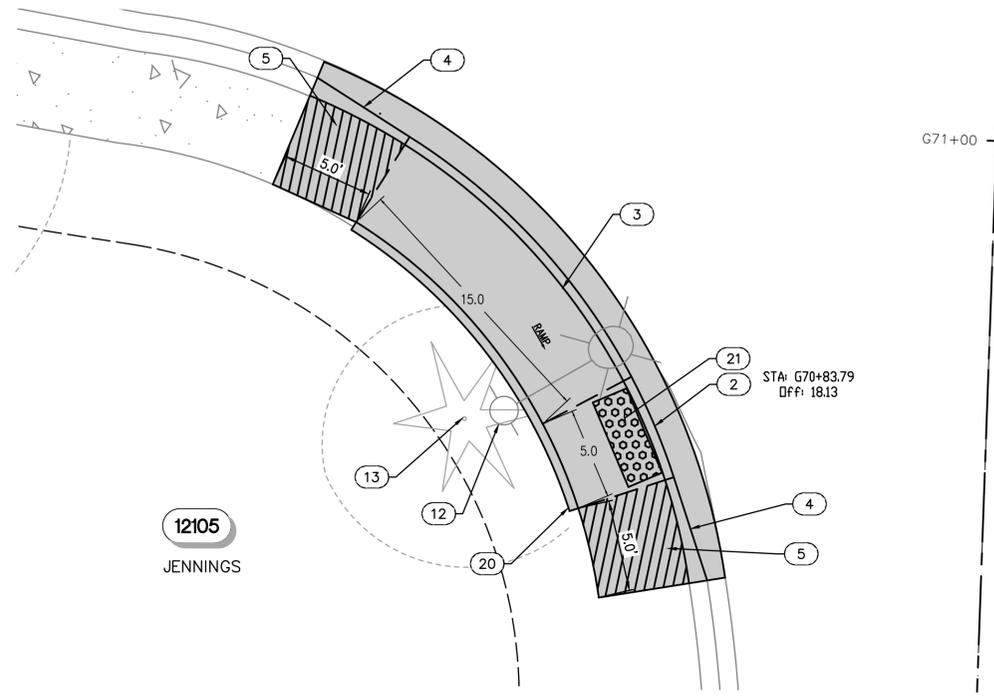
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CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
81ST AVE NE - STA B22+88 TO STA B24+05 - NE
121ST ST - STA D40+00 TO D40+46

BASE MAP K6
C2305
SHEET
47 OF 50

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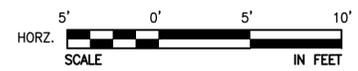


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CONSTRUCTION NOTES

- 2 CONSTRUCT TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
- 3 CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
- 4 CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
- 5 SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
- 12 PROTECT EXISTING UTILITY POLE/LIGHT POLE. PROVIDE TEMP SUPPORT AS REQUIRED.
- 13 PROTECT EXISTING TREE.
- 20 CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
- 21 TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND ST DTL CK-R.25B.



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 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



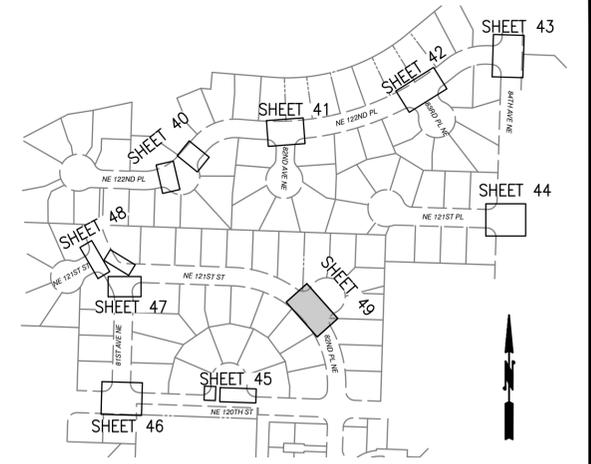
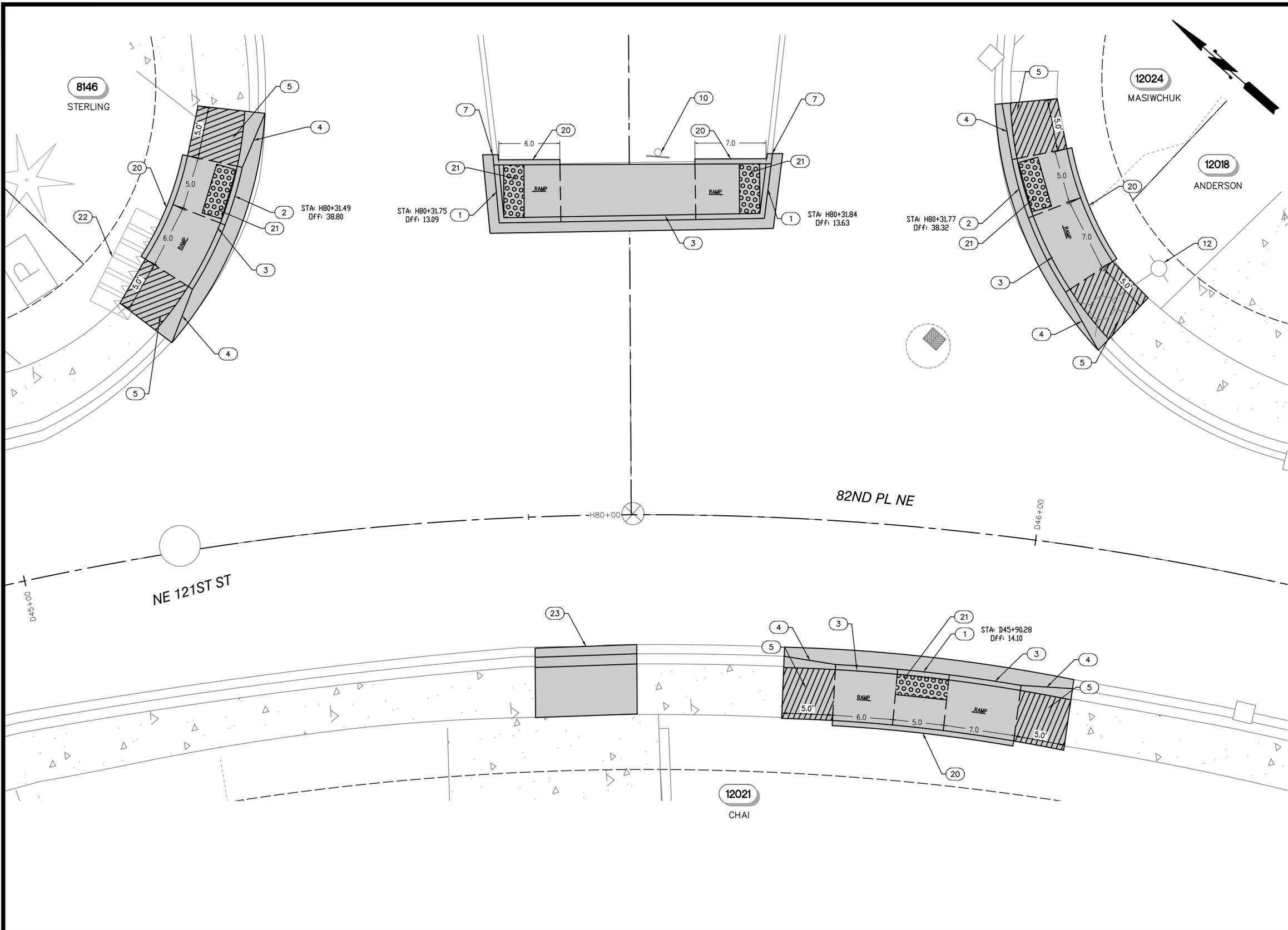
DESIGNED BY	NEK
DRAWN BY	JA
CHECKED BY	DLM
APPROVAL	DLM
DATE	JAN 2026

NORTHSHORE UTILITY DISTRICT
 WATER SEWER
 6830 NE 185th St. P.O. Box 82489
 Kenmore, WA 98028-2684 Kenmore, WA 98028-2684
 Ph: (425) 398-4400 | Fax: (425) 398-4430 | www.nud.net

CONTRACT C2305
 122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
NE 121ST ST - STA G70+69 TO STA G71+06

BASE MAP K6
C2305
SHEET
48 OF 50

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 Plotted By: Kim, Jenna Sheet No: NUD 122-84 Layout: RA.11 January 26, 2026 12:11:21pm



GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY CITY INSPECTOR A MIN. OF 10 BUSINESS DAYS PRIOR TO DEMO OF ANY RAMPS TO REQUEST SITE REVIEW.
2. COORDINATE ADA RAMP INSTALLATION WITH CITY PW INSPECTOR. CITY OF KIRKLAND PREFERS RAMPS THAT ELIMINATE CURBS TO THE MAXIMUM EXTENT FEASIBLE.
3. CONTRACTOR SHALL REQUEST CITY INSPECTION OF CURB RAMP AND PEDESTRIAN CURB FORMS PRIOR TO INSTALLING CONCRETE. MODIFY CURB RAMP AND PEDESTRIAN CURB FORMS PER INSPECTOR'S DIRECTION PRIOR TO INSTALLING CONCRETE AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION NOTES

1. CONSTRUCT TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
2. CONSTRUCT TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-03.
3. CONSTRUCT VERTICAL CONCRETE CURB AND GUTTER. TYPE A PER CITY OF KIRKLAND STD PLAN CK-R.17. GUTTER WIDTH MODIFIED TO 1.5' WITH AN OVERALL WIDTH OF 2' TO MATCH THE WIDTH OF EXISTING ROLLED CURB AND GUTTER.
4. CONSTRUCT ROLLED CURB TO VERTICAL CURB TRANSITION PER DETAIL 50.
5. SAWCUT EXISTING SIDEWALK AND CONSTRUCT 5' WIDE TRANSITION PANEL WHERE EXISTING CROSS SLOPES ARE GREATER THAN 2.0%.
7. MATCH EXISTING VERTICAL CURB WITH PROPOSED VERTICAL CURB.
10. PROTECT EXISTING SIGN.
12. PROTECT EXISTING UTILITY POLE/LIGHT POLE. PROVIDE TEMP SUPPORT AS REQUIRED.
20. CONSTRUCT PEDESTRIAN CURB PER CITY OF KIRKLAND STD DTL CK-R.17A.
21. TRUNCATED DOME DETECTABLE WARNING SURFACE PER CITY OF KIRKLAND STD DTL CK-R.25B.
22. REMOVE AND RESET EXISTING MAILBOXES
23. REMOVE AND REPLACE EXISTING RAMP WITH CONCRETE SIDEWALK PER CITY OF KIRKLAND STD DTL CK-R.23



NO	BY	APPD	REVISION	DATE
BID SET				





DESIGNED BY: NEK

DRAWN BY: JA

CHECKED BY: DLM

APPROVAL: DLM

DATE: JAN 2026



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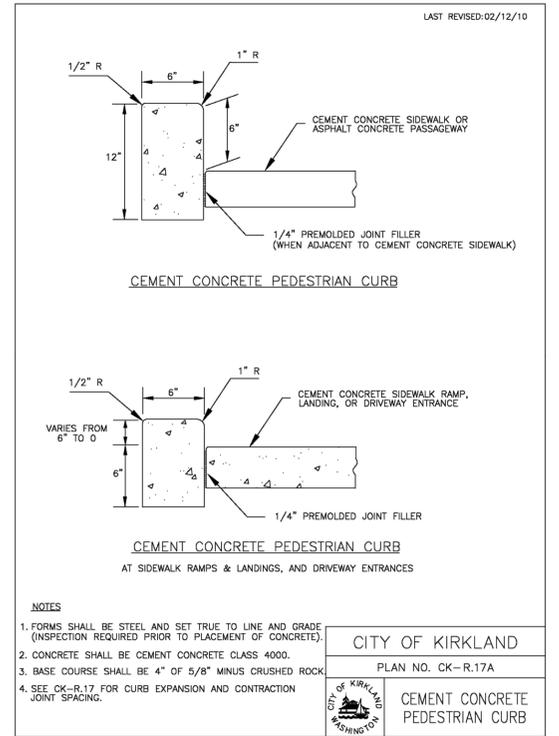
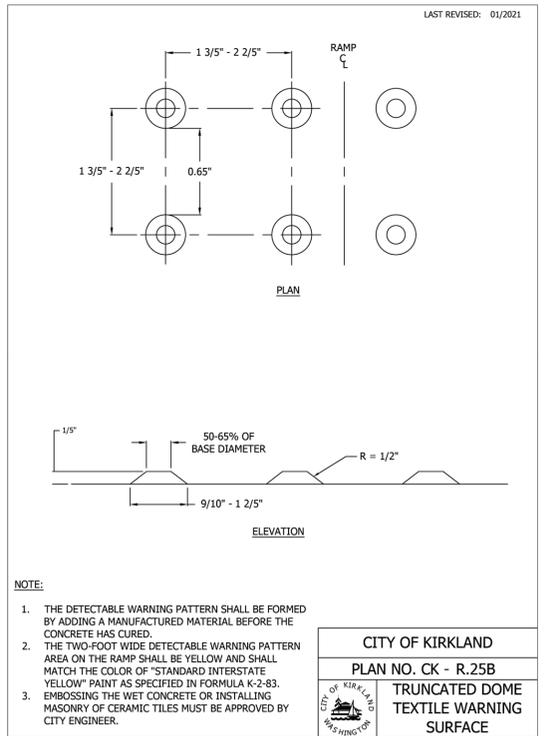
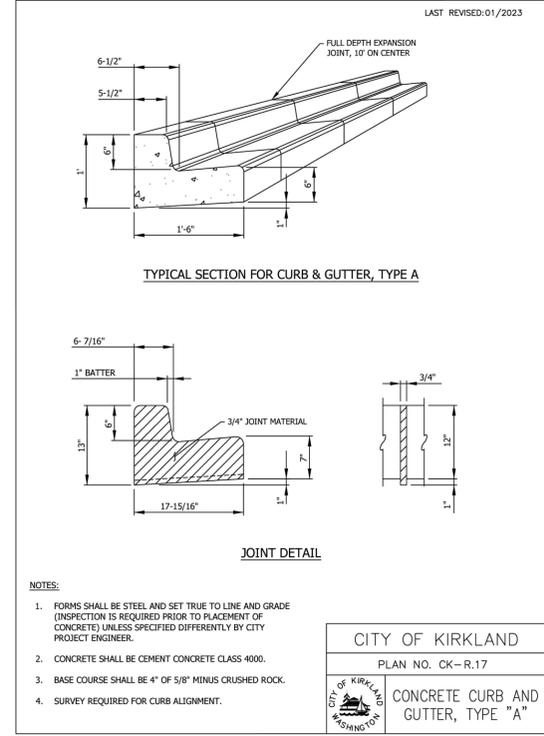
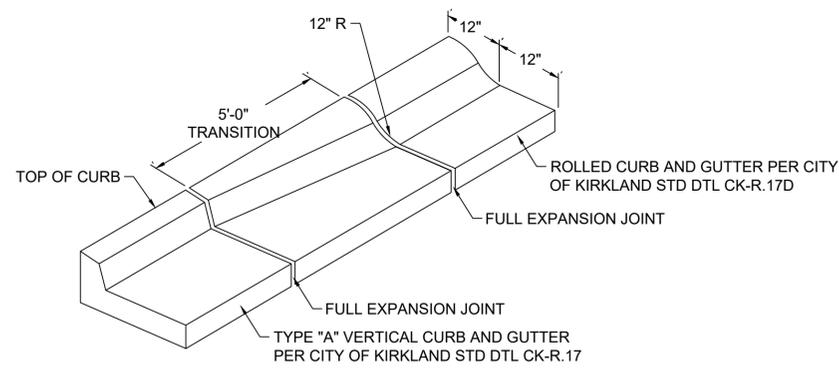
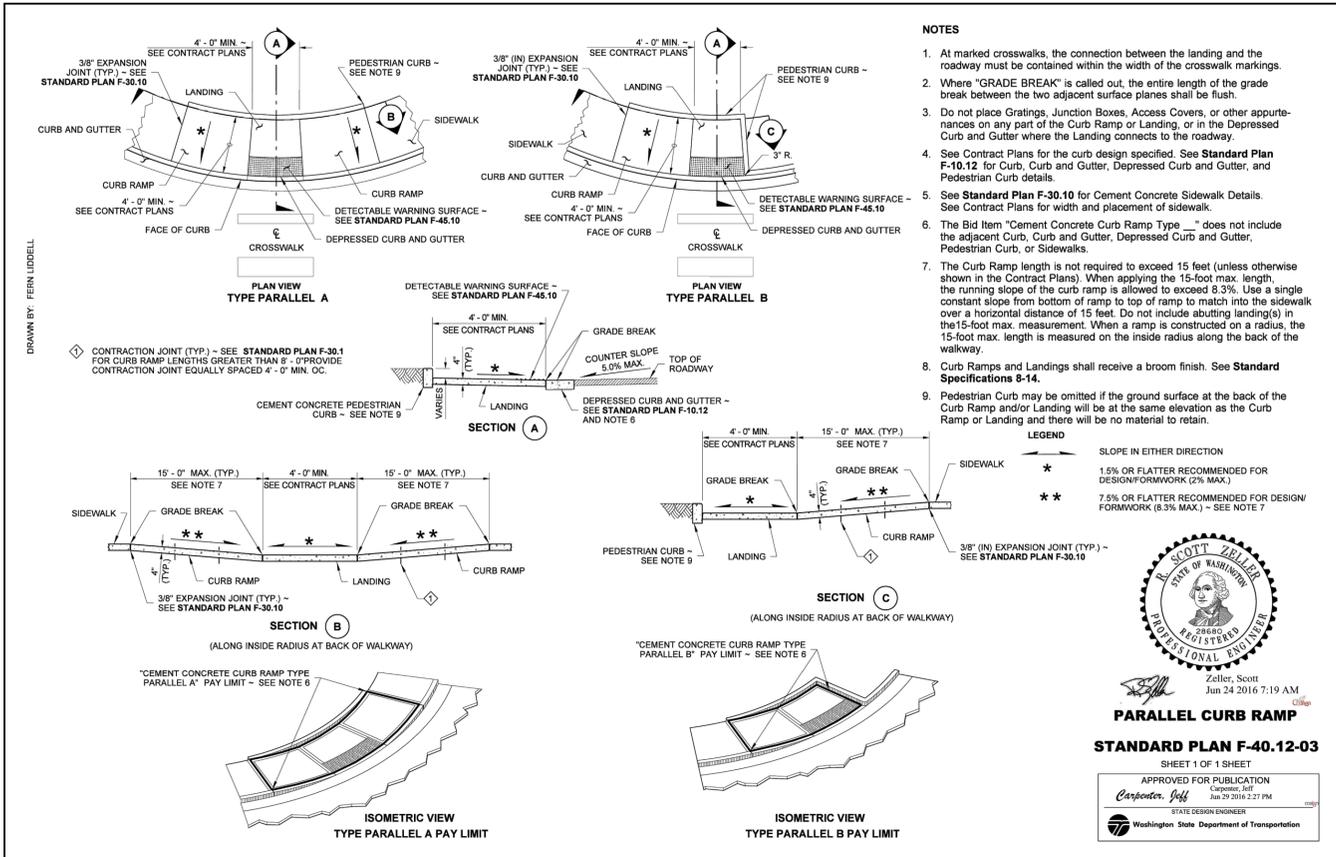
CONTRACT C2305
122-84 WATER MAIN IMPROVEMENTS
ADA RAMPS
NE 121ST ST - STA D44+97 TO 82ND PL NE - STA D46+25

BASE MAP K6
C2305
SHEET
49 OF 50

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BID SET



DESIGNED BY NEK
DRAWN BY JA
CHECKED BY DLM
APPROVAL DLM
DATE JAN 2026

PROFESSIONAL ENGINEER
 DIANNA L. MARETT
 STATE OF WASHINGTON
 REGISTERED PROFESSIONAL ENGINEER
 No. 42124
 01/22/2026

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 122-84 WATER MAIN IMPROVEMENTS

RAMP DETAILS

BASE MAP K6
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