CITY OF SAND SETH AVENUE NE STORM FAILURE

CONTRACT NO. 32300303

CIP NO. SDC-129

FEBRUARY 5, 2024

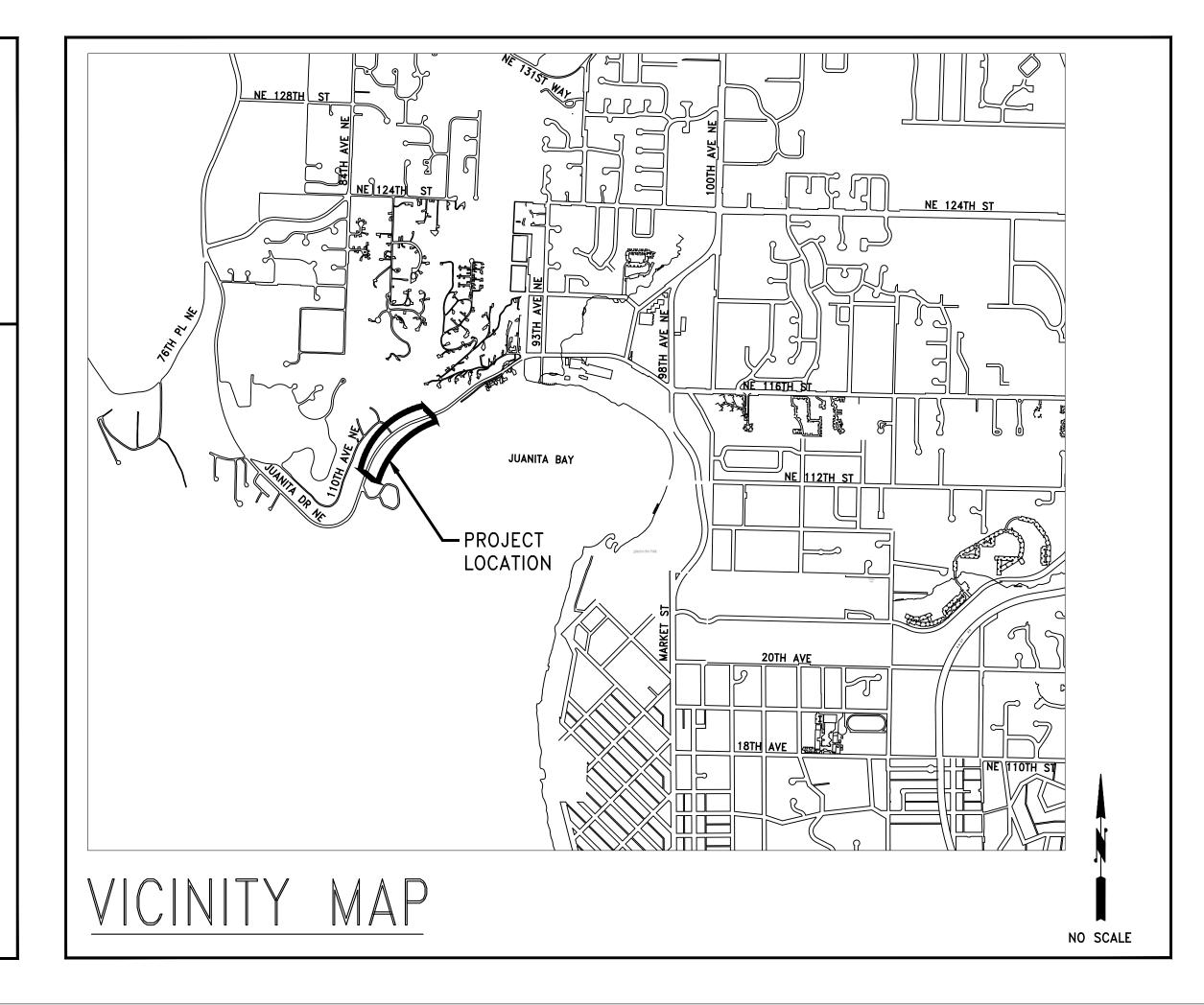
CITY OFFICIALS

PENNY SWEET
JAY ARNOLD
NEAL BLACK
KELLI CURTIS
AMY FALCONE
TOBY NIXON
JON PASCAL
KURT TRIPLETT
JULIE THUY UNDERWOOD
ROD STEITZER, P.E.

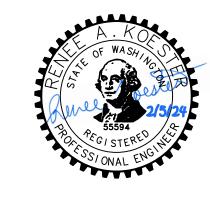
MAYOR
DEPUTY MAYOR
COUNCIL MEMBER
COUNCIL MEMBER
COUNCIL MEMBER
COUNCIL MEMBER
CITY MANAGER
PUBLIC WORKS DIRECTOR
CAPITAL PROJECTS MANAGER

CONTACT PERSONNEL

NAME ALEJANDRO TRUJILLO STEVE HOOPES RIK MAYER EVAN HEIMBUCH RYAN FOWLER TOM CHRIEST JASON OSBORN CHUCK SAUNDERS	ORGANIZATION COK PROJECT MANAGER COK FIELD REPRESENTATIVE COK FIELD REPRESENTATIVE COK FIELD REPRESENTATIVE COK STREETS & GROUNDS DEPT COK WATER & WASTEWATER DEPT COK SURFACE WATER M&O COK IT	PHONE 425.587.3817 425.623.5086 206.496.4265 425.410.4606 425.587.3900 425.587.3900 425.587.3900 425.587.3900
JEANNE COLEMAN FREMONT AGUINALDO JOE FORDON CHERYL SCHNEIDER SCOTT CHRISTENSON KELLY NESBITT KEN McDOWELL CONST. COORDINATOR JEFF MILES	PUGET SOUND ENERGY (GAS) PUGET SOUND ENERGY (ELECTRIC) COMCAST CABLE ZIPLY FIBER VERIZON BUSINESS NORTHSHORE UTILITY DISTRICT WOODINVILLE WATER DISTRICT KING COUNTY METRO LAKE WASH. SCHOOL DISTRICT	425.449.7410 425.223.0936 425.263.5348 425.949.0230 425.471.1079 425.398.4431 425.487.4104 206.684.2732 425.936.1120
EMERGENCY POLICE MAIN LINE FIRE MAIN LINE SPILL RESPONSE HOTLINE	NORCOM COK COK COK	911 425.587.3400 425.864.3650 425.587.3900
ONE CALL UTILITY LOCATE		800.424.5555







INDEX OF DRAWINGS

<u>DWG NO.</u>	SHEET NO.	DESCRIPTION
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SP01	3	SITE PREPARATION AND T.E.S.C. PLAN
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GENERAL NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF KIRKLAND. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING WITH THE CITY OF KIRKLAND TO BE ATTENDED BY ALL MAJOR CONTRACTORS AND REPRESENTATIVES OF INVOLVED UTILITIES.
- 2. SEE SECTION 1-07.17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.
- 3. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE PROJECT.
- 4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2023 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, UNLESS SUPERCEDED OR AMENDED BY THE PROJECT SPECIAL PROVISIONS OR CITY OF KIRKLAND STANDARD PLANS (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 5. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 6. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD.
- 7. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND BEFORE WORK COMMENCES. CALL (1-800-424-5555) AT LEAST 2 WORKING DAYS PRIOR TO ANY CONSTRUCTION. THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF ANY CONFLICTS NOT NOTED ON THESE PLANS ARE FOUND. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT.
- 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE PUBLIC WORKS DEPARTMENT PRIOR TO STARTING ANY WORK IN THE RIGHT-OF-WAY.
- 9. ANY EXISTING PUBLIC OR PRIVATE PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO COMPLETION OF CONSTRUCTION.
- 10. ANY ROADWAY SIGN/MARKING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED BY THE END OF DAY AS TO COMPLY WITH THE CURRENT CITY OF KIRKLAND STANDARDS.
- 11. MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES UNLESS PRIOR APPROVAL HAS BEEN OBTAINED BY THE CONTRACTOR FROM THE CITY OF KIRKLAND AND PROPERTY OWNER.
- 12. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH SECTION 8-22.3(6).
- 13. ALL SIGNS SHALL BE INSTALLED WITHOUT BLOCKING TRAVEL LANES. ALL WORK TRUCKS REQUIRED TO INSTALL SIGNS SHALL BE EQUIPPED WITH A ROTATING BEACON IN COMPLIANCE WITH MUTCD CHAPTER 6H.
- 14. CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES.
- 15. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PERFORMING WORK BELOW OVERHEAD POWER LINES.
- 16. BOREHOLE LOCATIONS SHOWN ARE APPROXIMATE. SEE GEOTECH REPORT(S) FOR ADDITIONAL DETAILS AND PAVEMENT DEPTHS.
- 17. CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS FOR APPROVAL BY THE CITY ENGINEER PRIOR TO BEGINNING WORK.

SURVEY NOTES

- 1. BASIS OF BEARINGS HELD A BEARING OF N 47°58'33" E BASED ON THE LINE FROM CENTER OF CONC MON NEAR THE P.C. OF NE JUANITA DRIVE TO THE FOUND LEAD AND TACK IN CONCRETE AT THE NORTHEAST CORNER OF JUANITA POINT AS SHOWN HEREON
- 2. PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING TRIMBLE R10 GNSS EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING TRIMBLE VX SPATIAL STATION FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WAC 332-130-090..
- 3. THE INFORMATION DEPICTED ON THIS SURVEY REPRESENT THE RESULTS OF A FIELD SURVEY COMPLETED OCTOBER, 2023 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
- 4. VERTICAL DATUM NAVD 88
- 5. HORIZONTAL DATUM NAD 83/91

REFERENCES

- R1 PLAT OF JUANITA POINT A RESIDENCE PARK VOLUME 25 OF PLATS PAGE 27
- R2 RECORD OF SURVEY RECORDING NUMBER 20020118900010
- R3 RECORD OF SURVEY RECORDING NUMBER 20041217900001
- R4 RECORD OF SURVEY RECORDING NUMBER 20050408900002
- R5 BOUNDARY LINE ADJUSTMENT RECORDING NUMBER 20080624900004

ECEND (EXICTING)

<u> GEND</u>	(EXISTING)
	CONTROL POINT (AS NOTED
0	REBAR (FOUND AS NOTED)
\otimes WV	WATER VALVE
\boxtimes WM	WATER METER
Q	FIRE HYDRANT
⊗ ICV	IRRIGATION CONTROL VALV
S	SEWER MANHOLE
D	STORM DRAIN MANHOLE
	STORM CATCH BASIN
	STORM CULVERT
⊠ EM	POWER METER
\bigcirc	POWER POLE
	GUY ANCHOR

 \otimes GV

CONIFEROUS TREE

BUSH

PROPERTY LINE **GUARD RAIL**

TREE CANOPY/DRIP LINE ------

FLOWLINE

WATER PIPE

SANITARY SEWER PIPE STORM DRAIN PIPE

POWER LINE

POWER OVERHEAD LINE TELEPHONE OVERHEAD LINE

NATURAL GAS PIPE

FOG LINE

GUY POLE TELEPHONE POLE

GAS VALVE

SIGN MAILBOX

DECIDUOUS TREE

BUILDING LINE EDGE OF GRAVEL

FENCE LINE (TYPE AS NOTED)

VEGETATION/BRUSH LINE

TOE OF SLOPE TOP OF SLOPE

EDGE OF PAVEMENT

CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS (425) 587-3800 www.kirklandwa.gov

LEGEND (PROPOSED)

INLET PROTECTION

FULL DEPTH PAVEMENT

CLEARING & GRUBBING

CATCH BASIN TYPE 1

CATCH BASIN TYPE 2

OUTFALL PROTECTION

STORM SEWER PIPE

UNDERDRAIN PIPE

DITCH RESTORATION

REMOVAL & INSTALLATION

ASPHALT PLANING & OVERLAY AREA

BOREHOLE LOCATIONS (APPROXIMATE)

WATTLE

SAWCUT

ALIGNMENT BEGIN POINT

CORRUGATED METAL PIPE

CORRUGATED PLASTIC PIPE

ALIGNMENT END POINT

POLYVINYL CHLORIDE PIPE

STORM DRAIN MANHOLE

REINFORCED CONCRETE PIPE

SANITARY SEWER MANHOLE

INVERT ELEVATION

CATCH BASIN

CLEANOUT

CONCRETE

ELEVATION

LINEAR FEET

STANDARD

SEWER

CENTER

SILT FENCE

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ABBREVIATIONS

CB

CO

CTR

PVC

GENERAL NOTES, LEGEND AND ABBREVIATIONS

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

					REGION NO.	STATE	FED.	AID PROJ.	NO.	SHEET NO.	Ī
Supervisor	R. KOESTER										Ī
Designed By	M. EMESON					WASH					
Checked By	R. KOESTER									ļ	
Detailed By	R. WILCOX, W. MCDONALD				JOB 1	NUMBER					
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		REVISION	BY	APP'D							ĺ





123 FIFTH AVENUE KIRKLAND, WA 98033

NE JUANITA DR AND GNO' 86TH AVE NE STORM FAILURE SHEET OF SHEETS

SITE PREP & T.E.S.C. NOTES

- 1) SAWCUT AND REMOVE FULL DEPTH EXISTING HMA.
- 2 INSTALL STORM DRAIN PROTECTION INSERT PER CITY OF KIRKLAND STD PLAN CK-E.11.
- 3 INSTALL SILT FENCE PER CITY OF KIRKLAND STD PLAN CK-E.03.
- (4) PROTECT EXISTING FEATURE TO REMAIN.
- PROTECT EXISTING TREE IN PLACE. CONTRACTOR SHALL EVALUATE IF PROTECTION MEASURES ARE NEEDED BASED ON CONTRACTOR STAGING AND WORK AREAS. EXISTING TREES IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE PROTECTED IN PLACE PER CITY OF KIRKLAND TREE PROTECTION FENCING DETAILS IN PROJECT MANUAL APPENDIX A.
- (6) INSTALL WATTLES PER CITY OF KIRKLAND STD PLAN CK-E.10.
- 2" BITUMINOUS PLANING FROM CENTERLINE TO EDGE OF PAVEMENT.
- (8) REMOVE CURB AT FACE OF GUARDRAIL.

GENERAL NOTES

- 1. INSTALL INLET PROTECTION IN ALL EXISTING AND PROPOSED CATCH BASINS IN THE PROJECT AREA. PROPOSED CATCH BASINS NOT SHOWN ON PLAN FOR CLARITY.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PUBLIC AND PRIVATE ROADWAYS FREE OF MUD AND DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL BE PREPARED TO USE POWER SWEEPERS OR OTHER EQUIPMENT NECESSARY TO KEEP THE ROADWAYS CLEAN.
- 3. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL PRIOR TO BEGINNING CONSTRUCTION. MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES AND FEATURES IN WORKING ORDER THROUGH THE DURATION OF THE CONSTRUCTION.
- 4. SEE CITY OF KIRKLAND STD. PLAN CK-D.02 FOR STORM TRENCH DETAILS.
- 5. PLANING LIMITS ARE FROM CENTERLINE TO EDGE OF PAVEMENT AND 5 FEET BEYOND TRENCHING LIMITS PER CITY OF KIRKLAND STD. PLAN CK-R.13A.
- 6. REFER TO DRAINAGE PLAN ON SHEET 4 AND SITE RESTORATION PLAN ON SHEET 6 FOR PROPOSED IMPROVEMENTS.
- 7. THE CONTRACTOR SHALL NOT CONDUCT ANY CLEARING/GRUBBING, STAGING, OR CONSTRUCTION ON PRIVATE PROPERTY.

<u>LEGEND</u>

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INLET PROTECTION

WATTLE

SILT FENCE

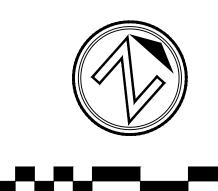
ASPHALT PI

ASPHALT PLANING AREA

SAWCUT
CLEARING & GRUBBING

BOREHOLE LOCATIONS (APPROXIMATE)

FULL DEPTH PAVEMENT REMOVAL

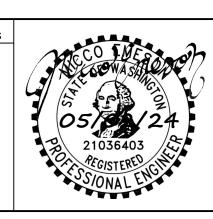


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1-800-424-5555

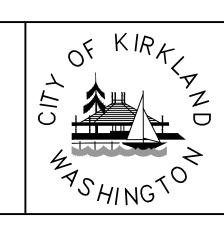
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Supervisor	R. KOESTER										
Designed By	M. EMESON					WASH					
Checked By	R. KOESTER										
Detailed By	R. WILCOX, W. MCDONALD				JOB I	NUMBER					

REVISION

BY APP'D

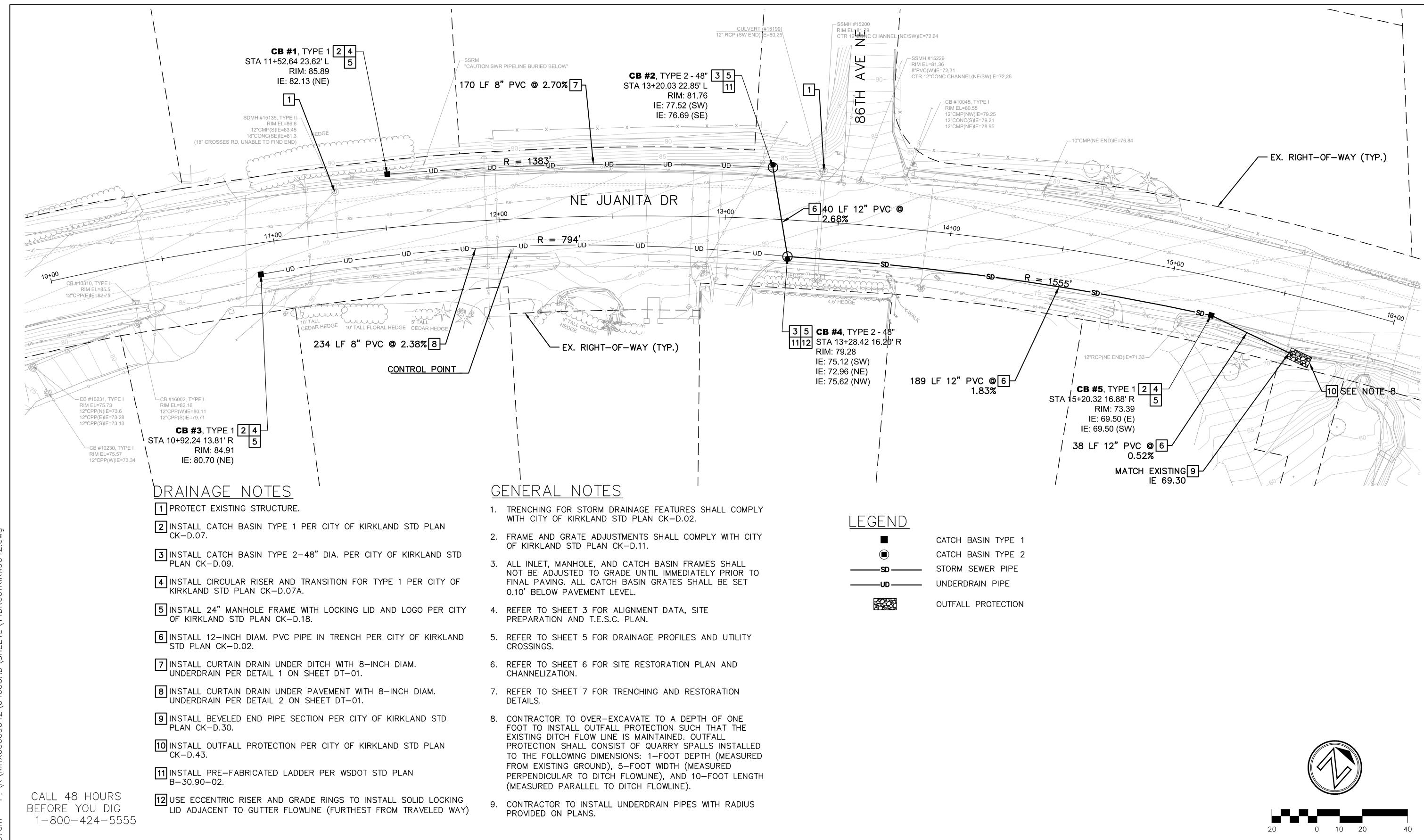






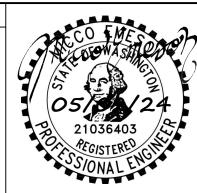
CITY	OF	KIRKLAND									
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123 FIFTH AVENUE KIRKLAND, WA 98033											
(425) 587	7-3800	www.kirklandwa.gov									

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REVISION

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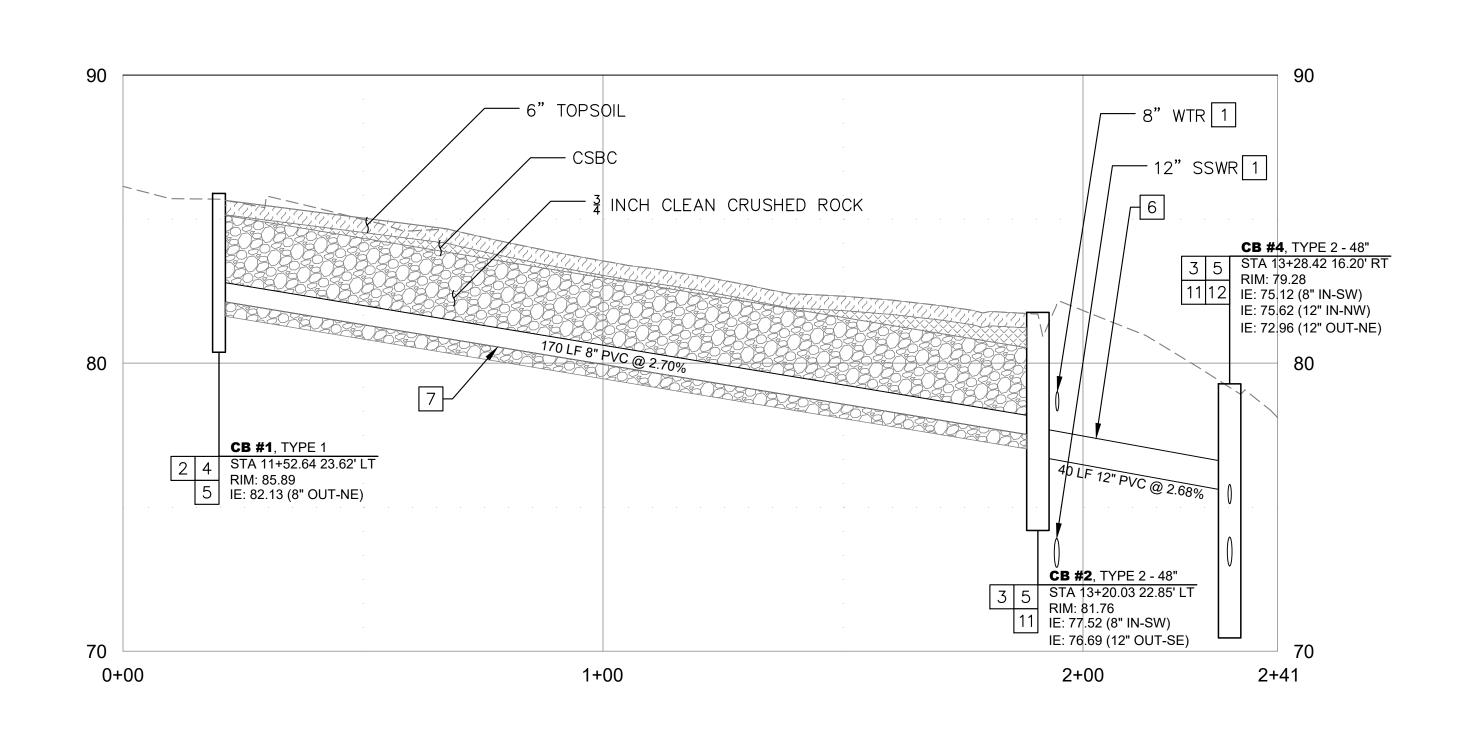






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DEPART	MENT (OF PUBLIC WORKS
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NE JUANITA DR AND 86TH AVE NE STORM FAILURF	DR0
STORW TAREOTE	SHEET
DRAINAGE PLAN	4 of
	7
	SHEETS



WASH

JOB NUMBER

BY APP'D

REVISION

R. KOESTER

M. EMESON

R. KOESTER

R. WILCOX, W. MCDONALD

Supervisor

Designed By

Checked By

Detailed By

GENERAL NOTES

- 1. TRENCHING FOR STORM DRAINAGE FEATURES SHALL COMPLY WITH CITY OF KIRKLAND STD. PLAN CK-D.02.
- 2. FRAME AND GRATE ADJUSTMENTS SHALL COMPLY WITH CITY OF KIRKLAND STD PLAN CK-D.11.
- 3. ALL INLET, MANHOLE, AND CATCH BASIN FRAMES SHALL NOT BE ADJUSTED TO GRADE UNTIL IMMEDIATELY PRIOR TO FINAL PAVING. ALL CATCH BASIN GRATES SHALL BE SET 0.10' BELOW PAVEMENT LEVEL.
- 4. SHORING IS REQUIRED FOR ALL EXCAVATIONS GREATER THAN 4 FEET IN DEPTH PER WSDOT STD. SPEC. 7-08.3(1)B
- 5. CONTRACTOR TO WRAP EXISTING PIPES IN ETHAFOAM WHERE THERE IS LESS THAN 1 FOOT OF SEPARATION (EITHER VERTICAL OR HORIZONTAL) BETWEEN THE EXISTING PIPE AND ANY PROPOSED STORM DRAINAGE FEATURES, INCLUDING PIPES AND CATCH BASINS. THE EXISTING PIPE SHALL BE WRAPPED IN ETHAFOAM TO PROVIDE A MINIMUM THICKNESS OF 6 INCHES ON ALL SIDES.

CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

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123 FIFTH AVENUE KIRKLAND, WA 98033

DRAINAGE NOTES

- 1 PROTECT-IN-PLACE EXISTING UTILITY.
- 2 INSTALL CATCH BASIN TYPE 1 PER CITY OF KIRKLAND STD PLAN CK-D.07.
- 3 INSTALL CATCH BASIN TYPE 2-48" DIA. PER CITY OF KIRKLAND STD PLAN CK-D.09.
- 4 INSTALL CIRCULAR RISER AND TRANSITION FOR TYPE 1 PER CITY OF KIRKLAND STD PLAN CK-D.07A.
- 5 INSTALL 24" MANHOLE FRAME WITH LOCKING LID AND LOGO PER CITY OF KIRKLAND STD PLAN CK-D.18.
- 6 INSTALL 12-INCH DIAM. PVC PIPE. TRENCH BACKFILL PER CITY OF KIRKLAND STD PLAN CK-D.02.
- 7 INSTALL CURTAIN DRAIN WITH 8-INCH DIAM. UNDERDRAIN PER DETAIL '1 ON SHEET DT—01.
- 8 INSTALL CURTAIN DRAIN WITH 8-INCH DIAM. UNDERDRAIN PER DETAIL 2 ON SHEET DT-01.
- 9 INSTALL BEVELED END PIPE SECTION PER CITY OF KIRKLAND STD PLAN CK-D.30.
- 10 INSTALL OUTFALL PROTECTION PER CITY OF KIRKLAND STD PLAN CK-D.43.
- 11 INSTALL PRE-FABRICATED LADDER PER WSDOT STD PLAN B-30.90-02.
- 12 USE ECCENTRIC RISER AND GRADE RINGS TO INSTALL SOLID LOCKING LID ADJACENT TO GUTTER FLOWLINE (FURTHEST FROM TRAVELED WAY)

86TH AVE NE

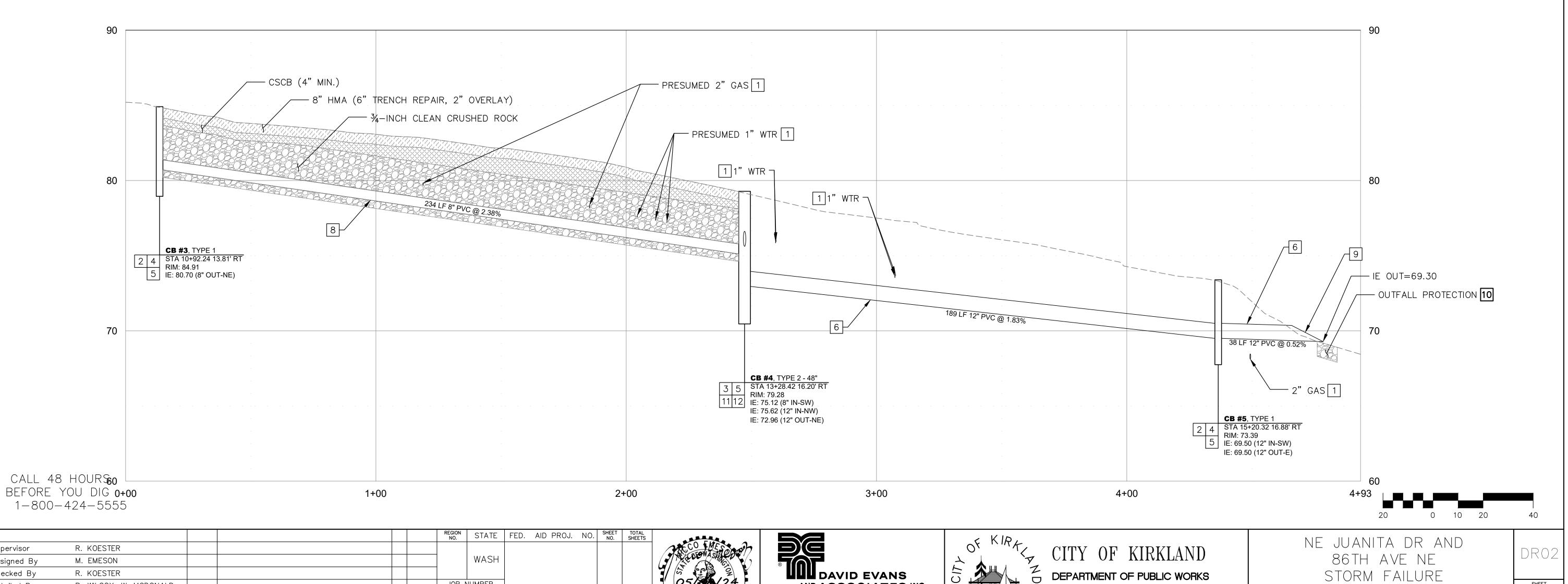
STORM FAILURE

DRAINAGE PROFILE

DR02

SHEET

SHEETS



AND ASSOCIATES INC.

14432 SE Eastgate Way, Suite 400 Bellevue Washington 98007

Phone: 425.519.6500

RESTORATION NOTES

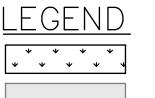
- (1) INSTALL FULL DEPTH HMA PAVEMENT PER DETAIL ON SHEET 7.
- (2) INSTALL 2" HMA CL. 1/2 IN. PG 58H-22 OVERLAY.
- 3 INSTALL EXTRUDED ASPHALT CONCRETE CURB ON PAVEMENT PER CITY OF KIRKLAND STD PLAN CK-R.19.
- INSTALL SWALE SEED MIX IN RESTORED DITCH OR TRENCH PER DETAIL ON SHEET 7.

CHANNELIZATION NOTES

- INSTALL PROFILED EMBOSSED PLASTIC DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.20-02.
- 2 INSTALL 6" WHITE PAINT EDGE LINE PER CITY OF KIRKLAND STD PLAN CK-R.35A.
- 3 INSTALL 4" WHITE PAINT EDGE LINE PER WSDOT STD PLAN M-20.10-04.
- INSTALL 4" WHITE PAINT HATCHING EVERY 20' O.C. PER CITY OF KIRKLAND STD PLAN CK-R.35A.
- 5 INSTALL BICYCLE LANE MARKING PER CITY OF KIRKLAND STD PLAN
- 6 INSTALL PLASTIC CROSSWALK LINE PER CITY OF KIRKLAND STD PLAN

GENERAL NOTES

- 1. SEE CITY OF KIRKLAND STD PLAN CK-R.12 FOR TRENCH RESTORATION DETAILS.
- 2. ALL CHANNELIZATION IN CONFLICT WILL PROPOSED CHANNELIZATION SHALL BE REMOVED.
- 3. REFER TO SHEET 3 FOR SITE PREPARATION AND T.E.S.C. PLAN AND ALIGNMENT DATA.
- 4. REFER TO SHEETS 4 AND 5 FOR DRAINAGE PLAN AND PROFILES.
- 5. REFER TO SHEET 7 FOR TRENCHING AND RESTORATION DETAILS.

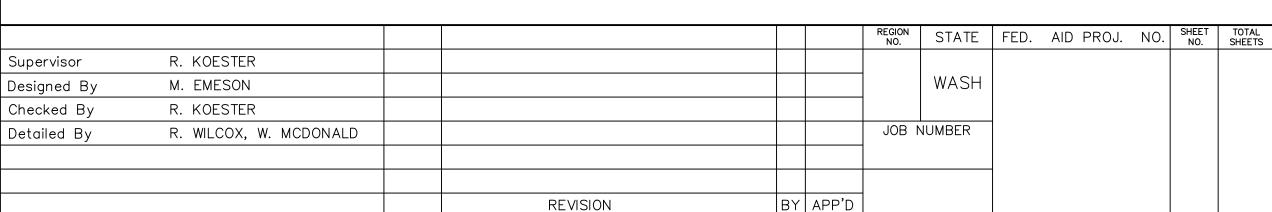


DITCH RESTORATION LIMITS

TRENCH HMA RESTORATION LIMITS

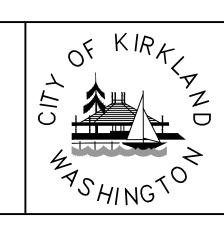
HMA OVERLAY LIMITS

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

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SITE RESTORATION PLAN	7 of
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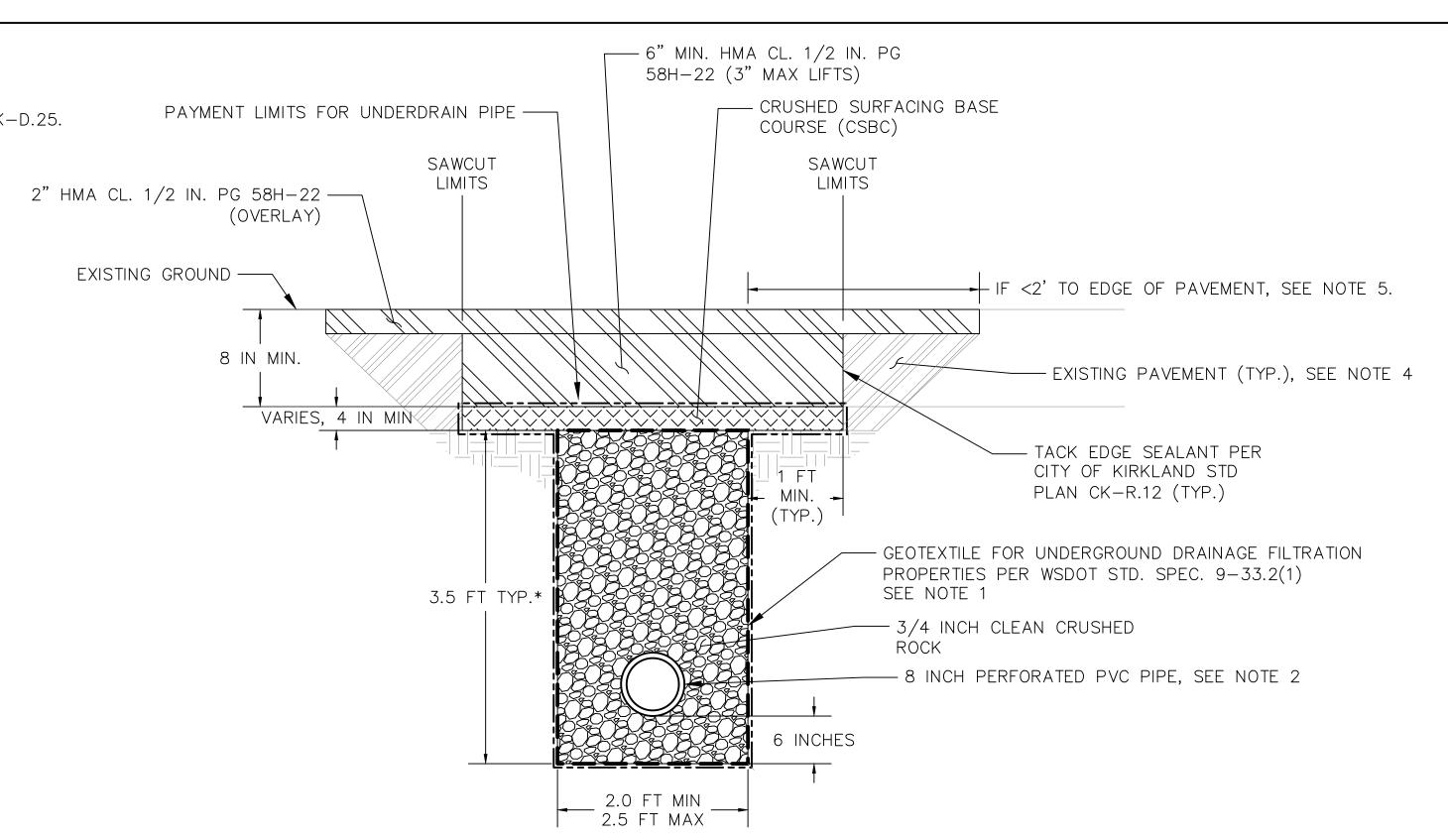
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1 TRENCH/CURTAIN DRAIN UNDER DITCH DETAIL NOT TO SCALE

GENERAL NOTES

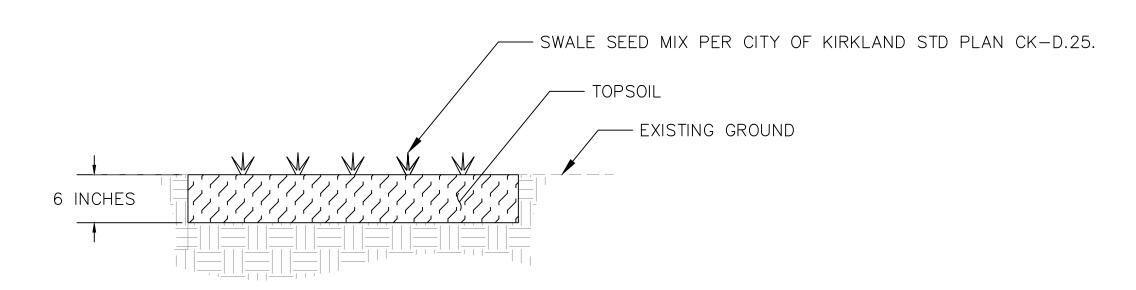
- 1. WRAP GEOTEXTILE AROUND CRUSHED ROCK ON ALL SIDES, INCLUDING UPSTREAM AND DOWNSTREAM ENDS OF CURTAIN DRAIN.
- 2. CLASS 1 PERFORATED PVC PIPE. ORIENT PERFORATIONS DOWN.
- 3. FOLLOWING INSTALLATION OF UNDERDRAIN, RESTORE DITCH FLOWLINE TO MAINTAIN EXISTING FLOWLINE ELEVATION.
- 4. SEE GEOTECHNICAL REPORT(S) FOR EXISTING PAVEMENT DEPTHS AND MATERIALS.
 BORING IN 2023 ON NORTH SIDE OF ROADWAY FOUND 14" HMA. EXCAVATION IN 2018,
 ON SOUTH SIDE, FOUND HMA OVER CONCRETE PAVEMENT.
- 5. CONTRACTOR SHALL REPLACE FULL DEPTH PAVEMENT (8" HMA) TO EDGE OF ROADWAY WHEN WITHIN 2' OF EDGE OF PAVEMENT.
- 6. SHORING IS REQUIRED FOR ALL EXCAVATIONS GREATER THAN 4 FEET IN DEPTH PER WSDOT STD. SPEC. 7-08.3(1)B
- 7. CONTRACTOR SHALL INSTALL TRENCH BACKFILL IN 12-INCH LIFTS AND DENSELY COMPACT PER 2024 GEOTECHNICAL REPORT.
- 8. 3/4-INCH CLEAN CRUSHED ROCK SHALL CONFORM TO THE GRADING MIX FOR GRAVEL BACKFILL FOR DRAIN PER WSDOT STD. SPEC. 9-03.12(4)
- 9. GEOTEXTILE FABRIC SHALL CONFORM TO MODERATE SURVIVABILITY AND WOVEN REQUIREMENTS FOR STRENGTH AND CONFORM TO CLASS A REQUIREMENTS FOR FILTRATION PER WSDOT STD. SPEC. 9-33.2(1).

CALL 48 HOURS
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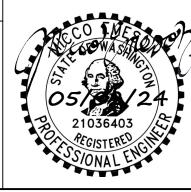
*MAY REDUCE TO 3.2' MIN FOR COVER REQUIREMENTS

2) TRENCH/CURTAIN DRAIN UNDER PAVEMENT DETAIL
NOT TO SCALE



3 LANDSCAPE RESTORATION DETAIL
NOT TO SCALE

					REGION NO.	STATE	FED.	AID PF	ROJ.	NO.	SHEET NO.	TOTAL SHEETS	
Supervisor	R. KOESTER												
Designed By	M. EMESON					WASH							
Checked By	R. KOESTER												'
Detailed By	R. WILCOX, W. MCDONALD				JOB I	NUMBER							
		REVISION	B	APP'[)								







CITY	OF	KIRKLAND	
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NE JUANITA DR AND 86TH AVE NE STORM FAILURF	DT01
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