CITY OF KIRKLAND

5TH/8TH WATERMAIN REPLACEMENT

JOB NO.: 09-22-PW

MAY 17, 2022

CIP PROJECT NO.: WAC 134000

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INDEX OF DRAWINGS

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PROJECT LOCATION
GENERAL NOTES

WATER - CONSTRUCTION CRITERIA

1. All fire stops shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard.

2. All connections to existing mains and all new connections shall be made at a depth of not less than 0.5 meters below the surface grade.

3. All fire stops shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard.

4. All fire stops shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard.

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9. All fire stops shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard. Water main stop shall be installed in accordance with the requirements of the NFPA 13 standard.
STORM DRAINAGE - PLAN NOTES

1. STORM DRAINAGE REQUIREMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE WARSAW, OHIO, DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ORGANIZATION, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CROWD CONTROL, SECURITY, AND FOR THE SAFETY OF THE PUBLIC AND ITS PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF WORK CONDUCTED IN ACCORDANCE WITH THIS SPECIFICATION.

2. STORM DRAINAGE REQUIREMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE WARSAW, OHIO, DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ORGANIZATION, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CROWD CONTROL, SECURITY, AND FOR THE SAFETY OF THE PUBLIC AND ITS PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF WORK CONDUCTED IN ACCORDANCE WITH THIS SPECIFICATION.

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4. STORM DRAINAGE REQUIREMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE WARSAW, OHIO, DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ORGANIZATION, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CROWD CONTROL, SECURITY, AND FOR THE SAFETY OF THE PUBLIC AND ITS PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF WORK CONDUCTED IN ACCORDANCE WITH THIS SPECIFICATION.

5. STORM DRAINAGE REQUIREMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE WARSAW, OHIO, DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ORGANIZATION, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CROWD CONTROL, SECURITY, AND FOR THE SAFETY OF THE PUBLIC AND ITS PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF WORK CONDUCTED IN ACCORDANCE WITH THIS SPECIFICATION.
5TH / 8TH WATERMAIN REPLACEMENT

EXISTING CONDITIONS AND POTHOLE DATA

GENERAL NOTES
1. SEE GENERAL NOTE 1 ON SHEET 3 FOR REQUIREMENTS REGARDING EXISTING UTILITIES.
3. SEE POTHOLE DATA IN THE APPENDICES FOR POTHOLE DATA THAT WAS RECORDED BY APS, INC. DURING ON-SITE POTHOLE WORK.
4. SEE POTHOLE DATA IN THE APPENDICES FOR POTHOLE DATA THAT WAS RECORDED BY APS, INC. DURING ON-SITE POTHOLE WORK.
5. SEE POTHOLE DATA IN THE APPENDICES FOR POTHOLE DATA THAT WAS RECORDED BY APS, INC. DURING ON-SITE POTHOLE WORK.
6. CALL centers for sanitary sewer facilities and storm drain facilities include the city of Kirkland DOC identification numbers, which are obtained from the city's public interactive mapping portal.

EXISTING CONDITIONS AND POTHOLE DATA

MATCHLINE (STA. 24+50, SEE BELOW RIGHT)
MATCHLINE (STA. 20+50, SEE SHEET 7)
MATCHLINE (STA. 28+50, SEE SHEET 9)
MATCHLINE (STA. 24+50, SEE BELOW LEFT)
MATCHLINE (STA. 30-50, SEE SHEET 7)
MATCHLINE (STA. 27+50, SEE ABOVE RIGHT)
MATCHLINE (STA. 24+50, SEE ABOVE RIGHT)
5TH / 8TH WATERMAIN REPLACEMENT

WATER PLAN AND PROFILE

STA. 10+00 - 13+50

GENERAL NOTES

1. SEE SHEET 6 FOR SURVEY AND ALIGNMENT DATA.
2. EXISTING UTILITIES. SEE GENERAL NOTE 3 ON SHEET 3 FOR REQUIREMENTS REGARDING EXISTING UTILITIES. SEE SHEETS 7 THROUGH 9 FOR EXISTING CONDITIONS AND PERMISSIBLE DATA.
3. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL AS SHOWN ON SHEETS 10 THROUGH 12 PRIOR TO EXCAVATION.
4. DUCTILE-IRON FITTINGS AND SLEEVE-TYPE COUPLINGS FOR DUCTILE-IRON PIPE SHALL BE REINFORCED. SEE WATER-PLAN NOTE 10 ON SHEET 3 FOR ADDED REQUIREMENTS.
5. DUCTILE-IRON PIPE JOINTS MAY BE DETECTED NOT MORE THAN 10 PERCENT OF THE MANUFACTURER'S RECOMMENDATIONS. THE MANUFACTURED ALIGNMENT SHOWN IS BASED ON DUCTILE-IRON PIPE JOINTS DETECTED NOT MORE THAN 2 PERCENT.
6. HAND THE NEW WATER MAIN PASTUS UNDER AN EXISTING PIPE, THEN SOLDER. INSTALL WATER MAIN 6" PIPE ABOVE IS CENTERED BETWEEN WATER MAIN PIPE JOINTS.
7. SEE WATER-PLAN NOTES AND WATER-CONSTRUCTION NOTES ON SHEET 3 AND SEE WATER CONNECTION DETAILS ON SHEET 7 FOR CONSTRUCTION AND TESTING. SEE WATER MAIN INSTALLATION AND TESTING, TESTING, TESTING, AND TESTING, TESTING...
8. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL. SEE GENERAL NOTE 1 ON SHEET 3 FOR ADDITIONAL REQUIREMENTS.
9. NO WORK MAY OCCUR ON THIS PROJECT FROM JULY 31, 2022, THROUGH AUGUST 5, 2022.

WATERMAIN CONSTRUCTION NOTES

1. CONNECT TO EXISTING WATER MAIN. SEE CONNECTION DETAILS SHEET 19. INSTALL GATE VALVE W/ WATER VALVE BOX PER CITY OF KIRKLAND STD. PLAN C9-4030.
2. NOT USED ON THIS SHEET.
3. NOT USED ON THIS SHEET.
4. INSTALL WATER SERVICE UP TO 1" PER CITY OF KIRKLAND STD. PLAN C9-4018.
5. INSTALL WATER SERVICE 2" PER CITY OF KIRKLAND STD. PLAN C9-4018.
6. NOT USED ON THIS SHEET.
7. NOT USED ON THIS SHEET.

LEGEND

--- PROPERTY LINE
--- RIGHT-OF-WAY
WATER MAIN
WATER METER / "THAW".scalar
WATER METER INFLATABLE BLOCK
GATE VALVE W/ VALVE BOX
PIPE INSERT ASSEMBLY
WATER SERVICE
AIR AND VACUUM RELEASE VALVE ASSEMBLY

8410 154th Avenue NE, #120
Redmond, Washington 98052
425-689-2020

DATE

REVISION

BY

May 26, 2022 - 4:34 PM - BIEGLER - C:\DOWL_PW\D0393279\SA-CU-WA-15134-01.DWG - Layout Name: 13

DESIGNED BY:
CHECKED BY:
DRAWN BY:

K. JOHNSON
B. BIEGLER
D. WILLIAMS 02-2022

02-2022
02-2022

02-2022
GENERAL NOTES

1. SEE SHEET 2 FOR SURVEY AND ALIGNMENT DATA.

2. EXISTING UTILITIES. SEE GENERAL NOTE 3 ON SHEET 3 FOR REQUIREMENTS RETAINING TO EXISTING UTILITIES. SEE SHEETS 7 THROUGH 9 FOR EXISTING CONDITIONS AND PREFERENCES.

3. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL AS SHOWN ON SHEETS 10 THROUGH 12 PRIOR TO EXCAVATION.

4. DUCTILE-IRON FITTINGS AND SPUD-TYPE COUPLINGS FOR DUCTILE-IRON PIPE SHALL BE RECOMMENDED. THE WATERPLAN NOTE 18 ON SHEET 3 FOR ADDITIONAL REQUIREMENTS.

5. DUCTILE-IRON JOINTS MAY BE SELECTED. NOT MORE THAT 25% OF THE WARMING JOINTS RECOMMENDED BY THE MANUFACTURER. DESIGN IS SHOWN BASED ON DUCTILE-IRON JOINTS.

6. HAND-HELD WATERizzly PASSER UNDER AN EXISTING OR NEW FORM OF PIPE. INSTALL WATERizzly PASSER ABOVE IS CONNECTED BETWEEN WATERRIZER PIPE JOINTS.

7. «SEE WATER PLAN NOTES AND WATER-CONSTRUCTION CONTRACTIONS ON SHEET 3 AND SEE WATER CONNECTION DETAILS ON SHEET 10 FOR CONSTRUCTION AND INSTALLATION REQUIREMENTS REGARDING WATER-TYING, BANDING, AND TESTING, FLUSHING, AND CONNECTION WORK.

8. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL. SEE GENERAL NOTE 7 ON SHEET 3 FOR ADDITIONAL REQUIREMENTS.

9. NO WORK MAY OCCUR ON THIS PROJECT FROM JULY 31, 2022, THROUGH AUGUST 6, 2022.

WATERMAIN CONSTRUCTION NOTES

1. NOT USED ON THIS SHEET.

2. INSTALL GATE VALVE W/ WATER VALVE BOX PER CITY OF KIRKLAND STD. PLAN 4K-930.

3. INSTALL PIPE WELDING ASSEMBLY PER CITY OF KIRKLAND STD. PLAN 4K-814.

4. NOT USED ON THIS SHEET.

5. INSTALL WATER SERVICE UP TO 1" PER CITY OF KIRKLAND STD. PLAN 4K-814.

6. NOT USED ON THIS SHEET.

7. NOT USED ON THIS SHEET.

8. NOT USED ON THIS SHEET.

9. NOT USED ON THIS SHEET.

10. NOT USED ON THIS SHEET.

LEGEND

- PROPERTY LINE
- MATCHLINE
- WATER MAIN
- WATER TEE W/ THRUST BLOCK
- WATER BOX W/ THRUST BLOCK
- GATE VALVE W/ VALVE BOX
- PRE-INFLATION ASSEMBLY
- WATER SERVICE
- AIR AND VACUUM RELEASE VALVE ASSEMBLY

WATERMAIN CONSTRUCTION NOTES

- NOT USED ON THIS SHEET.

- INSTALL GATE VALVE W/ WATER VALVE BOX PER CITY OF KIRKLAND STD. PLAN 4K-930.

- INSTALL PIPE WELDING ASSEMBLY PER CITY OF KIRKLAND STD. PLAN 4K-814.

- NOT USED ON THIS SHEET.

- INSTALL WATER SERVICE UP TO 1" PER CITY OF KIRKLAND STD. PLAN 4K-814.

- NOT USED ON THIS SHEET.

- NOT USED ON THIS SHEET.

- NOT USED ON THIS SHEET.

- NOT USED ON THIS SHEET.

- NOT USED ON THIS SHEET.
5TH / 8TH WATERMAIN REPLACEMENT
WATER PLAN AND PROFILE
STA. 32+00 - 35+60

GENERAL NOTES:
1. SEE SHEETS 2 THROUGH 9 FOR SURVEY AND ALIGNMENT DETAILS.
2. EXISTING UTILITIES: SEE GENERAL NOTE 3 ON SHEET 10 FOR REQUIREMENTS RETAINING TO EXISTING UTILITIES. SEE SHEETS 7 THROUGH 9 FOR EXISTING CONDITIONS AND POTHOLE DATA.
3. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL AS SHOWN ON SHEETS 10 THROUGH 12 PRIOR TO EXCAVATION.
4. OUTLET-ROOF FITTINGS AND SLEEVE-TYPE COUPLING FOR OUTLET-ROOF PIPE SHALL BE INSTALLED. SEE WATERMAIN NOTE 1 ON SHEET 3 FOR ADDITIONAL REQUIREMENTS.
5. OUTLET-ROOF PIPE JOINTS MAY BE SELECTED NOT TO EXCEED 2 PERCENT OF THE MAXIMUM DEFORMATION ALLOWED.
6. WATERMAIN CONSTRUCTION NOTES:
   a. THE NEW WATERMAIN PASSES UNDER AN EXISTING OIL-STRAT OF 15 R.L. INSTALL WATERMAIN SO PIPE ABOVE IS CONNECTED BETWEEN WATERMAIN PIPE COUPLED.
   b. SEE WATERMAIN NOTES AND WATER-CONSTRUCTION CONTROL ON SHEET 3 AND SEE WATER CONSTRUCTION DETAILS ON SHEET 9 FOR CONSTRUCTION AND INSTALLATION OF SPECIAL FEATURES AND RELATED TESTING, CLEANING, AND INSPECTION.
   c. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL. SEE GENERAL NOTE 1 ON SHEET 3 FOR ADDITIONAL REQUIREMENTS.

WATERMAIN CONSTRUCTION NOTES:
1. CONNECT TO EXISTING WATER MAINS; SEE CONNECTION DETAILS SHEET 10.
2. INSTALL GATE VALVE W/ WATER VALVE BOX PER CITY OF KIRKLAND STANDARDS, PLAN DW-31.
3. INSTALL PIPE IN NUTRANT ASSEMBLY PER CITY OF KIRKLAND STANDARDS, PLAN DW-31.
4. NOT USED ON THIS SHEET.
5. INSTALL WATER SERVICE UP TO 1" PER CITY OF KIRKLAND STANDARDS, PLAN DW-31.
6. NOT USED ON THIS SHEET.
7. NOT USED ON THIS SHEET.
8. ROTATE BEND AS NECESSARY TO FORM COMPOUND BEND.

LEGEND:
- PROPERTY LINE
- RIGHT-OF-WAY
- WATER MAIN
- WATER TEE W/ THREAT BLOCK
- WATER TEE WITHOUT BLOCK
- GATE VALVE W/ VALVE BOX
- PIPE IN NUTRANT ASSEMBLY
- WATER SERVICE
- AIR AND VACUUM RELEASE VALVE

DATE: 02-2022
CHECKED BY: K. JOHNSON
DRAWN BY: B. BIEGLER
DESIGNED BY: D. WILLIAMS

WWW.DOWL.COM
5TH / 8TH WATERMAIN REPLACEMENT
WATER PLAN AND PROFILE
STA. 32+00 - 35+60

DATE NO. REVISION BY
May 26, 2022 - 4:35 PM - BBIEGLER - C:\DOWL_PW\D0393279\SA-CU-WA-15134-01.DWG - Layout Name: 18
STORM DRAINAGE CONSTRUCTION NOTES

1. INSTALL CATCH BASIN TYPE 1 FOR CITY OF KIRKLAND STD. PLAN 22-2022.

2. INSTALL CATCH BASIN TYPE 2, 4x8-RCH, PER CITY OF KIRKLAND STD. PLAN 22-0020.

3. INSTALL STANDARD FRAME AND GRATE PER CITY OF KIRKLAND STD. PLAN 22-0001 AND 22-0010.

4. INSTALL 2" TRAPEZOIDAL FRAME W/LOCKING COVER PER CITY OF KIRKLAND STD. PLAN 20-1515.

5. CONNECT TO EXISTING STORM DRAIN PIPE.

6. NOT USED ON THIS SHEET.

7. INSTALL EIGHT INCH PAD BETWEEN UTILITIES.

8. FILL EXISTING STORM PIPE WITH CFRP AND ABANDON PIPE IN PLACE.

9. PRECAST ENHANCEMENT BASE OF DRAINAGE STRUCTURE NO GRAY AT THIS LOCATION.

10. INSTALL CATCH BASIN TYPE 1-L, PER CITY OF KIRKLAND STD. PLAN 22-0020.

11. CEMENT AND REMOVE EXISTING TYPE 1 CATCH BASIN, CEMENT AND REMOVE 2 CATCH BASIN TO A DEPTH OF 6 FEET BELOW GRADE, REMOVE ALL AS PERMITTED TO INSTALL NEW CATCH BASIN. CEMENT AND REMOVE NO ADJACENT 4 CATCH BASIN. REPLACE BARE SURFACING WITH 6" CEMENT SURFACING TO GRADE AND SLOPE AT 2%.

12. NOT USED ON THIS SHEET.

13. FILL BACK EXISTING RECIPROCAL PIPE WITH SEDIMENT TO FACILITATE STORM DRAIN CONSTRUCTION. SEE DESIGNED ELEVATION NOTES ON SHEET 40 FOR ADDITIONAL INFORMATION.

14. TRENCH ELEVATION MAY SEWER PIPE AND FILL PIPE SHALL BE BUILT TO THE SPECIFICATIONS OF THE CONTRACTOR SPECIFICATIONS REPORT IN APPENDICES FOR ADDITIONAL REQUIREMENTS.

15. PERMENANT MODULAR BLOCK WALLS FORMING WALL TO FACILITATE STORM DRAIN CONSTRUCTION. SEE DESIGNED ELEVATION NOTES ON SHEET 40 AND 48 FOR ADDITIONAL REQUIREMENTS.

16. NOT USED ON THIS SHEET.

17. LAY ATIONS TO BE MADE BY SITE TO FACILITATE CONSTRUCTION OF NEW STORM DRAIN STRUCTURES. SEE LOADING ELEVATIONS IN APPENDICES FOR ADDITIONAL INFORMATION.
5TH / 8TH WATERMAIN REPLACEMENT

PAVING / SIDEWALK RESTORATION PLAN
STA 28+50 - 35+60

GENERAL NOTES
1. CONTRACTOR'S PAYMENT LIMITS: DRAWN ARE APPROXIMATE.
PAYMENT LIMITS WILL BE BASED ON CONTRACTED AMOUNTS.
2. SEE GEOTECHNICAL REPORT IN THE APPENDICES FOR PAYMENT LIMITS THAT HAS BEEN ISSUED BY MIA GEOLOGICAL, INC. DURING 3D-LASE GEOTECHNICAL INVESTIGATION WORK.
3. CONTRACTOR SHALL PROVIDE PERIODIC TRAFFIC CONTROL, SEE GENERAL NOTES FOR SHEET 3 FOR ADDITIONAL REQUIREMENTS.
4. NO WORK MAY OCCUR ON THIS PROJECT UNTIL JULY 31, 2022, THROUGH AUGUST 6, 2022.

PAVING / GRADING CONSTRUCTION NOTES
1. CONTRACT ASPHALT PAINT PER ROADWAY TYPICAL SECTIONS ON SHEET 48.
2. CONTRACT ASPHALT HILL & OVERLAY PER ROADWAY TYPICAL SECTIONS ON SHEET 48.
3. CONTRACT A-HIGH TRAFFIC ASPHALT PAINT PER CITY OF KIRKLAND STD PLAN CK-1112.
4. CONTRACT CENTER CONCRETE CURB & GUTTER TYPE A PER CITY OF KIRKLAND STD PLAN CK-1119.
5. CONTRACT CENTER CONCRETE CURB PER CITY OF KIRKLAND STD PLAN CK-1122.
6. CONTRACT CENTER CONCRETE PEDESTRIAN CURB PER CITY OF KIRKLAND STD PLAN CK-1174.
7. CONTRACT SINGLE FAMILY DRIVEWAY WITH PLANTER STRIP PER CITY OF KIRKLAND STD PLAN CK-4-121.
8. CONTRACT PARALLEL CURB RAMP PER DETAIL ON SHEET 47-02 AND 48-03 PER WSDOT STANDARD PLANS 47-441-02 ON SHEET 47-02 AND 48-03 PER WSDOT STANDARD PLANS 47-441-03 ON SHEET 48.
9. CONTRACT WHEELED EDGE PER CITY OF KIRKLAND STD PLAN CK-1114.
10. SEE SHEET 48, LANDSCAPING RESTORATION FOR MODULAR BLOCK WALL RESTORATION REQUIREMENTS.
11. CONTRACT SIZED CUSHION PER CITY OF KIRKLAND STD PLAN CK-1113.
12. PAINT DOUBLE YELLOW CENTERLINE STRIPE PER CITY OF KIRKLAND STD PLAN CK-1121.
13. INSTALL CROSSWALK PER CITY OF KIRKLAND STD PLAN CK-1115.
14. PAINT 4" WHITE EDGE LINE.
15. INSTALL STREET BARRIERS PER CITY OF KIRKLAND STD PLAN CK-1115.
16. TYPICAL RESTORATION PLAN PER CITY OF KIRKLAND STD PLAN CK-1115.
17. REMOVE EXISTING SIGN.

LEGEND
- PROPERTY RESTORATION
- VALUING PAINT
- SCAFFOLDING
- ASPHALT PAINT
- CEMENT CURB
- EROSION CONTROL
- RETAINING WALL
- CUT LIMITS
- FILL LIMITS
- KIRKLAND BLUFFS

DATE
8/17/2022

REVISION
S. KRAMER
R.

DOOL SECTION: 26
ITEMS MANAGER: B. TEMPLE
DRAWN: 8/17/2022
REVISION: S. KRAMER

DOOL DESIGN: 26
ITEMS MANAGER: B. TEMPLE
DRAWN: 8/17/2022
REVISION: S. KRAMER

811 DOWNTOWN
8410 154th Avenue NE, Suite 120
Redmond, WA 98052
425-688-0800
WWW.DOWL.COM

CITY OF KIRKLAND
611 117th Avenue NE
Kirkland, WA 98033
425-827-5700
WWW.KIRKLAND WA US COM
RAILROAD AVE/KIRKLAND AVE CURB RAMP DETAIL

1. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING CONSTRUCTION.
2. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING REPAIRS.
3. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING MAINTENANCE.
4. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING INSPECTION.
5. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING TESTING.
6. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING COMMISSIONING.
7. CONSTRUCTION SHALL NOT OCCUR ON PUBLIC ROADS DURING ACCEPTANCE.
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NOTE:
1. ALL TRENCH BACKFILL MATERIAL SHALL CONSIST OF IMPORTED BACKFILL MATERIAL.

2. CRUSHED SURFACING, TOP COURSE PER WSDOT STD SPEC 9-03(3).

3. ALL TRENCHES SHALL BE COVERED BY A 3'-0" MINIMUM THICKNESS LAYER OF 3'-0" CRUSHED SURFACING.

4. PLANT AND CONSTRUCT BACKFILL, IN MAXIMUM 4'-0" Lift TO PIPE SPACING TO ENSURE NO VENTS UNDER PIPE.

5. MAINLINE TRENCH WIDTH IS 5'-0" I.D. / 3'-0"

6. CITY OF KIRKLAND PRE-APPROVED PLANS - WATER

7. KIRKLAND 5TH / 6TH WATERMAIN REPLACEMENT

8. CITY OF KIRKLAND

9. PLANS - WATER

10. CITY OF KIRKLAND - WATER VALVE BOX

11. WATER VALVE BOX

12. CITY OF KIRKLAND

13. WATER TRENCH DETAIL

14. CITY OF KIRKLAND

15. MONUMENT CASE AND COVER

16. CITY OF KIRKLAND

17. MONUMENT CASE AND COVER

18. CITY OF KIRKLAND

19. WATER VALVE BOX

20. CITY OF KIRKLAND

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51. WATER VALVE BOX
5TH / 8TH WATERMAIN REPLACEMENT

WSDOT STANDARD PLANS
- ROADWAY

NOTES
1. At marked crosswalks, the connection between the landing and the roadway must be contained within the width of the crosswalk markings.
2. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
3. Do not place Grafton, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in the Depressed Curb and Gutter where the Landing connects to the roadway.
6. The Bid Item "Cement Concrete Curb Ramp Type " does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
7. The Curb Ramp length is not required to exceed 15 feet (unless otherwise shown in the Contract Plans). When applying the 15-foot max. length, the running slope of the curb ramp is allowed to exceed 8.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk over a horizontal distance of 15 feet. Do not include abutting landing(s) in the 15-foot max. measurement. When a ramp is constructed on a radius, the 15-foot max. length is measured on the inside radius along the back of the walkway.
9. Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.
NOTES
1. Permanent Detectable Warning Surfaces (DWS) shall extend the full width of the curb ramp, landing, or other roadway edging as applicable. Exception: If the manufacturer of the DWS requires a concrete border around the DWS, a variance of up to 2" (50 mm) on each side of the DWS is permitted.
2. Permanent Detectable Warning Surfaces (DWS) shall be placed on a minimum 4" (100 mm) thick concrete pad. The DWS panel shall be placed adjacent to the back of the curb and with no more than a 2" (50 mm) gap between the DWS and the back of the curb measured at the center of the DWS panel. Exception: If the manufacturer of the selected DWS requires a concrete border around the DWS, a variance of up to 2" (50 mm) from the back of the curb is permitted (measured at the leading corner of the DWS panel).
3. The rows of truncated domes shall be aligned to be parallel to the direction of travel, and perpendicular to the grade break at the back of curb.
4. If curb and gutter are not present, such as a striped-use path connection, the Detectable Warning Surface shall be placed at the pavement edge.
6. If a curb ramp is required, the location of the Detectable Warning Surface must be at the bottom of the ramp and within the required distance from the rail crossing.
7. When the grade break between the curb ramp and the landing is less than or equal to 5 ft, from the back of curb at all points, place the Detectable Warning Surface on the bottom of the curb ramp directly above the grade break.
8. Glued or stick-down Detectable Warning Surfaces are allowed only for temporary work zone applications.

5TH / 8TH WATERMAIN REPLACEMENT
WSDOT STANDARD PLANS
- ROADWAY
GENERAL NOTES
1. REFER TO SHEET NO. 45 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO SPECIFICATIONS SECTION NO. 8-17-2022 FOR SPECIFIC REQUIREMENTS AND SECTION NO. 21-4.3 FOR PLANT MATERIALS.

LANDSCAPE RESTORATION NOTES
1. EXISTING MEXICAN HIKER TO BE SHOWN ON PLANTING PLAN. MEASURED HARDSTRESS WILL BE SHOWN ON PLANTING PLAN. MEASURED HARDSTRESS WILL BE SHOWN ON PLANTING PLAN.
2. EXISTING LAUREL HEDGES TO BE REMOVED AND REPLACED WITH AS
3. EXISTING LAUREL PLANT SIZED AT A MINIMUM OF 3-3/4" DIA. EXISTING LAUREL PLANT SIZED AT A MINIMUM OF 3-3/4" DIA.
4. EXISTING ROSE BUSHES SHALL BE PLANTED IN ACCORDANCE WITH DETAIL SHEET NO. 46 ON THE NEXT SHEET.
5. EXISTING GRASS AREA TO BE REMOVED AND REPLACED IN KIND AS NECESSARY TO MEET TEMPORARY AREA OF REPLACEMENT IS
6. SNAGGABLE AND UNSTACKABLE EXISTING ROSE BUSH (AS
7. REQUIRED TO FACILITATE ADVANCED AND SUSTAINABLE CONSTRUCTION)

LEGEND
- EXISTING ROSE BUSH
- EXISTING LAUREL HEDGE
- EXISTING GRASS AREA
- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMOVE

MODULAR BLOCK RETAINING WALL (LOOKING EAST)
NOT TO SCALE

LANDSCAPING RESTORATION - 1
REMOVED CONTAINER FROM PLANT AND SCORE ROOTBALLS TO LOOSEN ANY ROOT BOUND MATERIAL PRIOR TO INSTALLATION.

TOPSOIL: AMEND TOPSOIL PER LAB ANALYSIS AND TOPSOIL NOTES PRIOR TO ADDING FERTILIZER.

EXISTING SUBGRADE

3" BARK NUGGET MULCH LAYER

FINISH TOPSOIL GRADE

SHRUB:

REFER TO LEGEND FOR SPECIES

SHRUB ROOTBALL

SCARIFY SUBGRADE, TILL IN A LAYER OF AMENDED TOPSOIL AND RE-COMPACT.

2 x ROOTBALL

4"

NOT TO SCALE