ROADWAY & STORM DRAINAGE NOTES

1. MATERIALS: UTILIZE CONCRETE, ASPHALT FOR Bituminous Surface Coatings and Mastic Bituminous Pavement. All other materials per city requirements.

2. ENTRANCE DECK: Provide drainage system for preservation of water sound surface drain. Surround with cap to prevent erosion. Provide apron near curb.

3. PROTECT EROSION EDGE: Provide erosion wall for proper construction.

4. CONNECT new storm line to existing catch basin. Curve shall be oval to aid movement of water. Linear erosion control shall be provided.

5. PIPE AND MATERIALS: Use materials, pipe, valves and fittings as approved by the City of Kirkland. No plastic or concrete pipe may be used.

6. PIPE AND MATERIALS: Use materials, pipe, valves and fittings as approved by the City of Kirkland. No plastic or concrete pipe may be used.

7. ELEVATION: Provide pipe crown to aid in surface flow and curb drainage.

8. CONSTRUCT CURB: Use materials and fittings as approved by the City of Kirkland.

9. CONSTRUCT ROADWAY: Use materials and fittings as approved by the City of Kirkland.

10. CONSTRUCT new storm line per city standards. All slide lines and tabs shall be provided per sheet.

11. MAINTAIN Deposit and prevent erosion damage to adjacent erosion control.

12. CONSTRUCT new storm line per city standards. All slide lines and tabs shall be provided per sheet.

13. CONSTRUCT new storm line per city standards. All slide lines and tabs shall be provided per sheet.

ROADWAY PLAN & PROFILE

MATCHLINE - SEE RIGHT

MATCHLINE - SEE LEFT

CURB TABLE

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NOTED CONSULTING ENGINEERS

FILENAME: SCALE: DATE:

CHECKED BY: DRAWN BY: DESIGNED BY:

SHEET:

TYPICAL CROSS-SECTION: NE 132ND ST
APPROX. STATION 11+15 TO APPROX. STATION 12+80

MODULAR BLOCK WALL

NOTES:
1. CONTRACTOR SHALL INSTALL WALL BLOCK IN 'NEUTRAL' CONDITION.
2. ALL WALL HEIGHT = 32 INCHES

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIRST AVENUE, KIRKLAND, WA 98033
(425) 885-3800 www.kirklandwa.gov

ROADWAY DETAILS

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIRST AVENUE, KIRKLAND, WA 98033
(425) 885-3800 www.kirklandwa.gov

ROADWAY DETAILS
### Curb Return and Curb Ramp Table - Southwest Quadrant

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### Curb Return and Curb Ramp Table - Southeast Quadrant

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### Additional Curb Ramp Notes
1. Construction to field spent and socket ramp length to meet ramp slope requirements for ADA. The curb ramp main running slope at the back of the ramp shall not exceed the ramp length.
2. Curb ramp - center slope shall not exceed 2.0%. Longitudinal slope shall not exceed 1.0%.
3. Landings: Center slope shall not exceed 1.5%. Transverse slope center shall not exceed 3.0%.
4. Pancreas, curb, and gutter surface shall not exceed 3.0%.
5. Pancreas, curb, and gutter surface shall not exceed 2.0%.
6. Pancreases and gutter surface shall be stable and permeable for ADA requirements.
7. Pancreases shall be permeable for ADA requirements.
8. Pancreases shall be permeable for ADA requirements.
NOTE:

WALL PROFILES ARE TYPICAL ONLY.
CONTRACTOR SHALL VERIFY AND ADJUST BLOCK LAYOUT AS REQUIRED. SEE SPECIAL PROVISION SECTION B.24.

GENERAL

1. SEE SHEET RINGS FOR TYPICAL WALL SECTION DETAILS.
2. CONTRACTOR SHALL VERIFY BLOCK LAYOUT FOR CURB AND SHORT WALL. SEE SPECIAL PROVISIONS SECTION B.24.
3. COMPARE BLOCK LAYOUT AT SHORT WALL TO LIMITS SHOWN.
4. WALL HORIZONTAL ALIGNMENT -

OFFSETS FOR FACE OF TOP BLOCKS

1. 49.75' LT AT BEGINNING OF EVERY FOURTH BLOCK INDICATED (EVERY 10'5" LT OF WALL LIMIT).
2. 49.75' LT AT ENDPOINT OF EVERY FOURTH BLOCK INDICATED (EVERY 10'5" LT OF WALL LIMIT).

WALL PLAN & PROFILE

NE 132ND STREET / JUANITA H.S. ACCESS ROAD

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
133 N 5TH AVENUE, KIRKLAND, WA 98033
(425) 587-8800 www.kirklandwa.gov

NOTED

CONSULTING ENGINEERS
FILENAME:
SCALE:
DATE
CHECKED BY:
DRAWN BY:
DESIGNED BY:
SHEET:

1/12/2022
1/12/2022
1/12/2022
NOTE: STRING RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS: POLE SHAFT - LOCATED WITHIN 6" ABOVE MAST ARM; PEDESTRIAN DISPLAY - LOCATED WITHIN 6" FROM PEDESTRIAN ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III). TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.

AT THE SITE OF E1 AS FOLLOW: POLE SHAFT TO ATTACHMENT POINT (TYPE III). LOCATION (SIDEWALK CURB OR EDGE OF Should). LIMITS OF VERTICAL CLEARANCE FOR POST MOUNTED SIGNS THERE SHALL BE 2'-0" MIN. FROM POLE CENTERLINE TO SIGNAL MAST ARM BASE. 2'-0" MIN. FROM FACE OF GUARDRAIL, 4'-0" MIN. FROM CURB OR EDGE OF SHOULDER. MEASUREMENT TAKEN FROM TRAFFIC SIDE OF CURB OR EDGE OF SHOULDER, TO FACE OF POLE.

TAG NOTES: CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS: PEDESTRIAN DISPLAY - LOCATED WITHIN 6" ABOVE MAST ARM; PEDESTRIAN DISPLAY - LOCATED WITHIN 6" FROM PEDESTRIAN ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III). TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.

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FOR UNC OR UNF THREADS:
- Apply silicone caulk to threads of SS bolt with shank.
- Tighten SS bolt until shank is tight against standard.
- Cut off SS bolt even with standard.
- File SS bolt to match contour of standard.
- Treat SS bolt and surrounding pole with galvanizing repair paint meeting the requirement of Standard Specification 946-1(G).
- Apply two coats. Paint shall be dry before applying second coat.

FOR NATIONAL PIPE THREADS:
- Apply silicone caulk to threads of hot-dipped galvanized hex socket pipe plug.
- Tighten plug until flush with standard.
- File plug to match contour of standard.
- Fill hex socket with paintable silicone caulk.
- Treat plug and surrounding pole with galvanizing repair paint meeting the requirement of Standard Specification 946-1(G).
- Apply two coats. Paint shall be dry before applying second coat.

REPAIR PROCEDURE - BOLT HOLE SIZE 1/2" (IN) DIAMETER OR LESS - PIPE TRADE SIZE 1/2" (IN) OR LESS

- Submittal per Standard Specification 6-03.3(25)
- Maximum hole 1/2" (IN) or less in diameter.
- 1/8" (IN) steel plate - Type ASTM A - 36 electrode type XX-78.
- The plate shall be 2.5" (IN) larger than the diameter of the hole to be repaired (1/4" (IN) overlap all sides).
- Tack weld plate to pole.
- Shape plate to match taper and curve of pole.
- 1/16" (IN) fillet welds all around.
- Chamfer (80%) edge of plate smooth. Remove all burrs and sharp edges.
- Treat patch plate and surrounding pole with galvanizing repair paint meeting the requirement of Standard Specification 946-1(G).
- Apply two coats. Paint shall be dry prior to applying second coat.

HOLE REPAIR DETAIL
EXAMPLE WITH 2" (IN) DIAMETER HOLES SHOWN

ELEVATION VIEW
ISOMETRIC VIEW
EXAMPLE OF HOLE TO BE REPAIRED - SECTIONAL VIEW

ELEVATION
ISOMETRIC VIEW
EXAMPLE OF PEBDESTRIAN PUSHBUTTON (PPB) HOLES TO BE REPAIRED - SEE DETAIL @ LEFT

ELEVATION VIEW
ISOMETRIC VIEW
EXAMPLE OF HOLE TO BE REPAIRED - SECTIONAL VIEW RIGHT

HOLE REPAIR DETAIL
EXAMPLE WITH 2" (IN) DIAMETER HOLES SHOWN