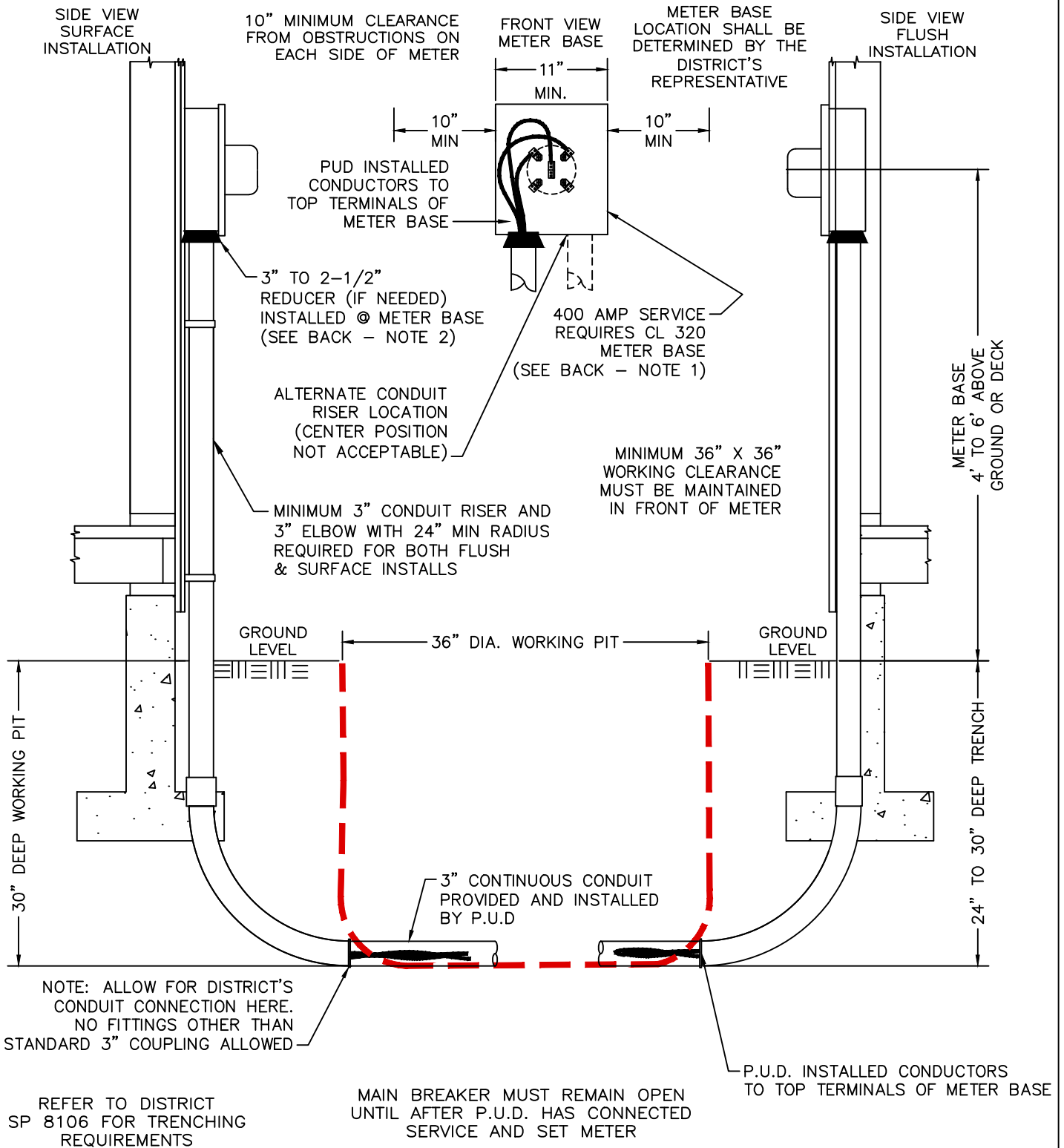


SEE BACK OF SHEET FOR ADDITIONAL INFORMATION AND RESOURCES



LINE CONSTRUCTION STANDARDS
PUBLIC UTILITY DISTRICT NO. 1
GRAYS HARBOR COUNTY,
WASHINGTON

TYPICAL UNDERGROUND RESIDENTIAL
SERVICE

STANDARDS COMMITTEE:	CHECKED BY: PB	APPROVED BY: SB	DRAWN BY: JCL
NO. SP 4802 P1	DATE: 4/18/2014	SCALE: 1:12	NO. SP 4802 P1

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1. METER BASE REQUIREMENTS:

THE METER BASE SHALL BE A MINIMUM OF 11 INCHES WIDE AND UL APPROVED FOR COPPER AND ALUMINUM CONDUCTORS. THE CENTER OF THE METER SHALL BE BETWEEN 4 & 6 FT. FROM FINAL GRADE AND INSTALLED IN A LOCATION ACCEPTABLE TO THE DISTRICT. THE METER SHALL NOT BE LOCATED INSIDE A HOUSE, CLOSED PORCH, GARAGE, OR AN AREA THAT MAY BE ENCLOSED OR OTHERWISE MADE INACCESSIBLE. FAILURE TO COMPLY IS DONE AT THE RISK OF RELOCATING THE INSTALLATION AT THE OWNERS EXPENSE. CONTACT THE DISTRICT'S REPRESENTATIVE FOR ACCEPTABLE METER BASE LOCATIONS.

SERVICE PANEL LOCATIONS SHALL MEET THE REQUIREMENTS OF THE LOCAL INSPECTION AGENCY. EQUIPMENT LOCATED OUTSIDE BUILDINGS, IN OPEN AREAS, OR IN OTHER EXPOSED LOCATIONS SHALL BE OF RAIN-TIGHT CONSTRUCTION.

NOTE: 400 AMP SERVICES REQUIRE A CLASS 320 METER BASE RATED AT 400 AMP MAXIMUM, 320 AMP CONTINUOUS AND RATED FOR TWO (2) 200 AMP PANELS. A MANUAL CIRCUIT CLOSING BYPASS IS REQUIRED.

2. SERVICE ENTRANCE CONDUIT:

THE CUSTOMER SHALL FURNISH AND INSTALL A MINIMUM 3" PVC SERVICE ENTRANCE RISER AT THE METER BASE FOR THE DISTRICTS SERVICE CONDUIT CONNECTION. IF THE METER BASE HAS A 2 1/2" KNOCK OUT, USE A 3"-2 1/2" SMOOTH REDUCER AT THE METER BASE. NO FITTINGS OTHER THAN STANDARD 3" COUPLING ALLOWED.

A WORKING PIT THREE FEET IN DIAMETER AND 30" DEEP SHALL BE PROVIDED AT THE METER BASE. SERVICE WILL NOT BE INSTALLED IF THIS PIT IS NOT PROVIDED.

3. TRENCH REQUIREMENTS:

CONTACT DISTRICT ENGINEERING DEPARTMENT PRIOR TO TRENCHING FOR TRENCH ROUTE. THE SERVICE CONDUIT SHALL NOT CROSS UNDER A BUILDING OR OTHER STRUCTURE. NOTIFY THE DISTRICT'S ENGINEER OF FUTURE PLANS IF THIS MAY BECOME AN ISSUE. RELOCATION OF SERVICE CABLE IS DONE AT THE CUSTOMER'S EXPENSE. THE TRENCH SHALL BE A UNIFORM 24-30 INCHES DEEP. NOTE THE TRENCH MUST BE WIDER AT CONDUIT BEND LOCATIONS.

BACKFILL SHOULD BE FREE OF LARGE ROCKS, BROKEN CONCRETE, BUILDING PRODUCTS AND OTHER REFUSE. THE DISTRICT MAY ALLOW A JOINT USE TRENCH WITH OTHER UTILITIES PROVIDED MINIMUM SEPARATIONS BETWEEN DISTRICT CONDUIT AND OTHER UTILITIES CAN BE ACHIEVED AS FOLLOWS:

TELEPHONE, T.V. AND WATER LINES: 1 FT.
SEWER LINES AND DRAIN FIELDS: 2 FT.
NATURAL GAS AND PROPANE LINES: 5 FT.

THE CUSTOMER SHOULD CONTACT THOSE COMPANIES WELL IN ADVANCE. DISTRICT SERVICE CABLE WILL NOT BE ENERGIZED UNTIL BACKFILLED.

REFER TO DISTRICT STANDARD SP8106 FOR A COMPLETE LIST OF TRENCHING REQUIREMENTS.

4. SERVICE PANEL GROUNDING:

SERVICE PANEL GROUNDING SHALL MEET THE CODE REQUIREMENTS OF THE LOCAL INSPECTION AGENCY.

5. WIRING PERMITS:

A WIRING PERMIT MUST BE OBTAINED AND THE INSTALLATION INSPECTED AND APPROVED BY AN ELECTRICAL INSPECTOR PRIOR TO CONNECTION TO THE DISTRICT SYSTEM.

ABERDEEN PERMITS ARE OBTAINED AT CITY HALL, SECOND FLOOR AT MARKET AND "I" STREETS (533-4100, EXT. 3217).

THE REMAINDER OF THE DISTRICT'S SERVICE AREA IS COVERED BY THE DEPARTMENT OF LABOR AND INDUSTRIES, ELECTRICAL INSPECTION DIVISION. SAFE WIRING LABELS MAY BE OBTAINED FROM ANY LABOR AND INDUSTRIES OFFICE. THE GRAYS HARBOR OFFICE IS LOCATED AT 415 WEST WISHKAH, SUITE 1B, (P.O. BOX 66) ABERDEEN, WA. 98520. (533-8200)

6. ELECTRICAL CODES:

FOR COMPLETE ELECTRICAL REQUIREMENTS, REFER TO THE CURRENT NATIONAL ELECTRICAL CODE (NEC), ARTICLE 230 FOR SERVICE & ARTICLE 250 FOR GROUNDING AND/OR STATE OF WASHINGTON RULES AND REGULATIONS FOR INSTALLING ELECTRIC EQUIPMENT (WAC) SECTION 296-46B-230 FOR SERVICE AND SECTION 296-46B-250 FOR GROUNDING, OR APPLICABLE LOCAL CITY CODE REQUIREMENTS.

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NO. SP 4802 P2	DATE: 4/18/2014	SCALE: NTS	NO. SP 4802 P2