

**Exh. SP-17
Docket UT-171082
Witness: Susie Paul**

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

**QWEST CORPORATION D/B/A
CENTURYLINK QC,**

Respondent.

DOCKET UT-171082

**EXHIBIT TO
TESTIMONY OF**

Susie Paul

**STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

Anna Marie Final Design Notification to CenturyLink

April 6, 2018

Paul, Susie (UTC)

From: Justin Rindt <jrindt@clarkpud.com>
Sent: Thursday, September 21, 2017 8:52 AM
To: Paul, Susie (UTC)
Subject: FW: Anna Marie Lane Subdivision(800218) UTILITY(Centurylink) File Xfer
Attachments: 800218.dwg; Anna Marie Lane(4-11-16).pdf; Xfmr Stamps.pdf

Suzzie-

Below is an email Prairie Electric (Jari) sent out in regards to the final design for Anna Marie.

Contact info for CenturyLink would be Larry.McDonald@Centurylink.com

Hope this helps.

Thank you,

Justin M. Rindt

*Residential Planner-Subdivisions
Clark Public Utilities
ph: 360.992.8819*



From: Jari Tanninen [mailto:Jarit@prairieelectric.com]
Sent: Monday, April 11, 2016 2:16 PM
To: Janson-Moe, Michelle <Michelle_Janson-Moe@cable.comcast.com>; 'ted_syfrett@cable.comcast.com' <ted_syfrett@cable.comcast.com>; 'Lance Cheeley (l2c@nwnatural.com)' <l2c@nwnatural.com>; 'Susan Grenier@Centurylink' <Susan.Grenier@centurylink.com>; 'Heather.Frymire@CenturyLink.com' <Heather.Frymire@CenturyLink.com>; 'david.tucker@corning.com' <david.tucker@corning.com>; Robin Vandeurzen (rlv@nwnatural.com) <rlv@nwnatural.com>; 'Larry McDonald (Larry.McDonald@Centurylink.com)' <Larry.McDonald@Centurylink.com>; 'Tyler Wade (Tyler.Wade@CenturyLink.com)' <Tyler.Wade@CenturyLink.com>; Nicholas A. Flagg <NFlagg@clarkpud.com>; Keith.Meisner@CenturyLink.com
Cc: 'David Denny@Min&Glaes' <dad@mgsurvey.com>; Joe Hiblar <joeH@prairieelectric.com>; 'Walter (wtc@nwnatural.com)' <wtc@nwnatural.com>; 'Mike@NWNatural' <mwm@nwnatural.com>; 'L2c@nwnatural.com' <L2c@nwnatural.com>; 'c4c@nwnatural.com' <c4c@nwnatural.com>; 'kag@nwnatural.com' <kag@nwnatural.com>; 'Roger Binns (rcb@nwnatural.com)' <rcb@nwnatural.com>; 'Craig Galvin(cag@mgsurvey.com)' <cag@mgsurvey.com>; Randy Lipe <randy.l@prairieelectric.com>; Scott Halberg <scotth@prairieelectric.com>; 'CSA@mgsurvey.com' <CSA@mgsurvey.com>; Heartwell, Becca <Becca.Heartwell@nwnatural.com>; Kelley, Brian <Brian.Kelley@nwnatural.com>; Thayer Hendrickson <thayerh@prairieelectric.com>
Subject: Anna Marie Lane Subdivision(800218) UTILITY(Centurylink) File Xfer

Here is the FINAL/REVISED electrical utility design for Anna Marie Lane Subdivision(505211).

Utility Notes:

Hardcopies will be going out in the mail.

Let me know if you have any questions....

Thanks,

Jari Tanninen

PRAIRIElectric Inc. | 6000 NE 88th St Vancouver, WA 98665 | Phone:360.573.2750

This email has been scanned by the Symantec Email Security.cloud service.
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CONSTRUCTION NOTES

- STREET CROSSINGS TO BE INSTALLED FROM PROPERTY CORNER TO PROPERTY CORNER, SPANNING THE ENTIRE WIDTH OF THE ROAD 16'-0" CONDUIT AS SHOWN TO BE AT THE HIGHEST AND/OR MOST REPRESENTATIVE CLEAR HEIGHT STREET CROSSING DEPTH TO BE THE SAME AS UTILITY TRENCH DEPTH. TYPICAL TRENCH DEPTH 48" TO 42".
- ALL PRIMARY CONDUIT TO BE 1/2" 1/0 AL 15 KV EPR JACKETED INSTALLED IN 3" CONDUIT.
- ALL SECONDARY CONDUIT TO BE 3/4" 300 MM AL TRIPLE 150/240V INSTALLED IN 3" CONDUIT.
- INSTALL (1) 6000V ROD 8" DIAM AND CENTER OF EACH PEG. LEAVE 3" EXPOSED ABOVE FINAL GRADE.
- ALL STREET LIGHT CIRCUITS TO BE NO. 8/2 AL 120V AND INSTALLED IN 1" CONDUIT.
- USE TO SOIL CONDITIONS, BEINGS OF CONDUIT WITH SOFTENING SAND OR SILT BACK FILL MAY BE PREPARED. DETERMINED BY CPU AT TIME OF CONSTRUCTION.
- SOIL BARRIERS AND/OR PROTECTIVE BOLLARDS MAY BE REQUIRED AROUND CPU ELECTRICAL FACILITIES. DETERMINED BY CPU AT TIME OF CONSTRUCTION.
- ALL CABLE PULLS MUST BE LINED PER CPU STANDARD UOI.
- TRANSFORMERS TO BE LOCATED 10' FROM ALL COMBUSTIBLE STRUCTURES AND ACCESSIBLE TO CPU VEHICLES.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EQUIPMENT MEETS CLEARANCE REQUIREMENTS.
- TRENCHES TO BE NO CLOSER THAN 5' TO BUILDING FOOTINGS.
- GPU ENGINEER TO BE NOTIFIED 2 WEEKS PRIOR TO INSTALLATION.
- CONSTRUCTION REQUIREMENT NOTE: ACCESS/PRIVATE ROADS WITH CPU ELECTRICAL EQUIPMENT MUST BE INSTALLED FOR CPU INSPECTIONS.
- GPU REQUIRED TO OBTAIN FRONT-YARD USE PERMITS FROM SOUNDING ADOPTED BARRING JURISDICTION FROM ANY WORK WITHIN PUBLIC RIGHT-OF-WAY.
- WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL MEET THE INSTALLATION REQUIREMENTS OUTLINED IN THE RIGHT-OF-WAY USE PERMIT ISSUED BY THE ADOPTED BARRING JURISDICTION.
- GPU DOES NOT GUARANTEE THE CONDITION OF ANY EXISTING CONDUITS IF AVAILABLE, DEVELOPER IS RESPONSIBLE FOR INSTALLING NEW CONDUIT AS DESIGNED.
- ALL CONDUIT SHALL BE INSTALLED PER CPU STANDARD UOI.
- EXPOSED CONDUIT SHALL BE PROTECTED BY PULLING AN APPROPRIATE SIZED MANHOLE THROUGH TO DETECT DAMAGE AND CORRECT IF DAMAGE TO EXISTING CONDUIT IS DETECTED, NOTIFY CPU ENGINEER IMMEDIATELY.
- COORDINATE STANDBY WITH GPU OPERATIONS TO OPEN CPU EQUIPMENT.

CONTRACTOR NOTES

- PROTECTION AND RESTORATION OF ADJACENT PROPERTIES.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL DETERMINE THE LOCATION OF PROPERTIES AND FACILITIES THAT COULD BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, AND SHALL PROTECT THEM FROM DAMAGE.
- WHERE WORK IMPACTS ADJACENT PROPERTIES, CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO AVOID DAMAGING PRIVATE PROPERTY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING, REPLACING AND/OR REPAIRING DAMAGE TO PRIVATE PROPERTY AND THEIR FACILITIES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS.
- ALL DAMAGE TO ADJACENT FACILITIES SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY. CONTRACTOR SHALL RESTORE ALL SITES TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL CHARGE FROM THE UTILITY.
- ACCESS INTO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR TO ADVISE AND COORDINATE ACCESS RESTRICTIONS WITH ADJACENT PROPERTY OWNERS AT LEAST 24-48 HOURS PRIOR.
- THE CONTRACTOR SHALL CLEAN UP AND LEAVE IN NEAT, ORDERLY CONDITION ALL PROPERTY OCCUPIED IN CONNECTION WITH PERFORMANCE OF THIS WORK.
- CONTRACTOR'S SITE RESTORATION AND REPAIRS SHALL BE COMPLETE AND APPROVED BY CPU PRIOR TO DEMOBILIZING THE DISTRIBUTION SYSTEM.

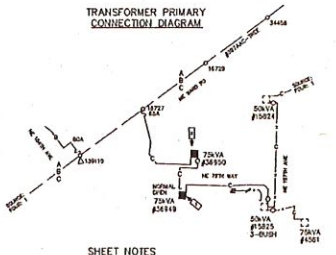
TOTALS

1/2" 1/0 EPR JACKETED 835'
3/4" 300 MM AL TR 712'
NOTE: INCLUDES 10' W/VE-UP AT TRANSFORMERS AND PEDIESTALS



NOTE: ELECTRICAL INFORMATION ONLY. CONTACT CABLE, PHONE AND GAS FOR THEIR REQUIREMENTS.

TRANSFORMER PRIMARY CONNECTION DIAGRAM



SHEET NOTES

- CONTRACTOR TO INSTALL (1) 1/2" AL IN (1) 2" SOLED 40 C. FROM TRANSFORMER 88590 TO BASE OF POLE #1512. TERMINATE CONDUIT IN THE 2" GROUND CLAMP ON THE STANDOFF BRACKET THAT HAS BEEN PROVIDED AND PLACED BY CPU. LEAVE 4" COIL AT POLE. IF STANDOFF BRACKET IS NOT PRESENT AT TIME OF INSTALL, NOTIFY CPU ENGINEER.
- CONTRACTOR TO LOCATE FRONT CENTER OF TRANSFORMER 4' EAST OF PROPERTY LINE. FACE DOOR SOUTH, UTILITY MAKE-UP, LABEL 88590.
- GPU MUST SHOW EXISTING PRIMARY CABLE AT LOOP ENCLOSURE BUT DO NOT LIST PRIMARY CABLE IN (1) 2" CONDUIT BETWEEN POLE AND LOOP ENCLOSURE. GPU CANNOT GUARANTEE THE EXISTENCE OR ACCEPTABILITY OF ANY EXISTING CONDUIT TO BE UTILIZED. EXISTING CONDUIT MUST MEET REQUIREMENTS OF THIS DESIGN. PORTING MAY BE REQUIRED TO SHOW ROUTE AND/OR SUFFICIENT DEPTH. CONDUIT SHALL BE PROTECTED PER CPU STANDARD UOI. CONTRACTOR IS RESPONSIBLE FOR INSTALLING NEW CONDUIT IF EXISTING IS NOT SUITABLE OR NOT PRESENT.
- CONTRACTOR TO REMOVE LOOP ENCLOSURE, VERIFY AND CORRECT EXISTING CONDUIT IS WITHIN CPU STANDARD STANDARDS (SEE TYPE, SIZE, LOCATION ETC.). IF CONDUIT IS FOUND ACCEPTABLE, EXTEND (1) 2" SOLED 40 C. TO 1/2" 1/0 AL FROM POLE 88590 TO EXISTING MAIN 88590. IF CONDUIT IS NOT SUITABLE OR PRESENT, INSTALL 1/2" AL IN (1) 2" SOLED 40 C. BETWEEN MAIN 88590 & MAIN 15525 AT STANDARD DEPTH.
- CONTRACTOR TO CUT AND ABANDON EXISTING PRIMARY CABLE TO LOOP ENCLOSURE. IF CANNOT SUPPLIED MATERIAL MAKE-UP (1) PRIMARY LB EXPOSED BY FAULT INDICATOR.
- CONTRACTOR TO LOCATE PEDIESTAL ON LOT 11 & 12 PROPERTY LINE, 3' EAST OF ACCESS EASEMENT.
- CONTRACTOR TO LOCATE PEDIESTAL 2' WEST OF LOT LINE, 54" SOUTH FROM FACE OF CURB.

GENERAL NOTES

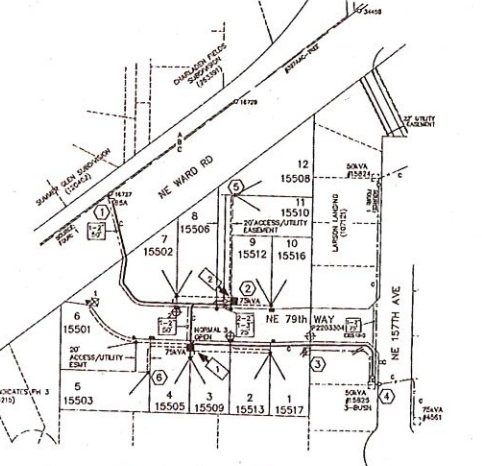
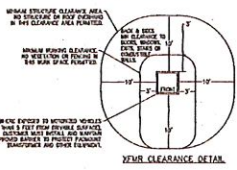
- A. FOREIGN FRONT OF TRANSFORMERS MAY BE FOUND BEHIND WALL, CURB OR BARRIER. NOT FACE BEHINDS THE DRIVE ACCESS, LOCATE PEDIESTALS 4' BEHIND CENTER OF TRANSFORMER.
- B. POSITION LINE REVEALS (NOT BEHIND) WITH FRONT CENTER LOOK TOWARD DRIVE ACCESS.

TRENCH LOCATION

- NE WARD RD - 12" BEHIND FACE OF CURB
- NE 15TH AVE - 12" BEHIND FACE OF CURB
- NE 23RD WAY - 12" BEHIND FACE OF CURB
- ACCESS EASEMENT - 2'-0" RIDGE EASEMENT

TRENCH LOCATIONS ARE THE CENTERLINE OF A TWO FOOT WIDE TRENCH. IN SUBSEQUENT CPU WILL NOT BEAT TRENCH INSPECTIONS UNTIL CURBS HAVE BEEN INSTALLED AND PROPERTY CORNERS IDENTIFIED BY/ON PINS IN FRONT, WHITE STAKES IN REAR.

| SCHEDULING NOTE (REFERENCE CPU WORK ROST #) | TO REQUEST | CONTACT CPU @ |
|--|------------|---------------|
| GPU STAND-BY | 992-8839 | 992-8839 |
| PURSUING FOR TRENCH, CONDUIT, CABLE AND/OR MAKE-UP | 992-8839 | 992-8839 |
| FORWARDING LINES FOR CPU FACILITY RELOCATIONS OR DESTRUCTION OF PRODUCTS | 992-8839 | 992-8839 |



STREET LIGHT WORK ROST # 505212

STREET LIGHT LOCATION

NOTE: ADJUST STREET LIGHT LOCATIONS AT CURB REMAINS AS NECESSARY TO AVOID CONFLICTS FOR ADA RAMP.

LOCATION 1 - 2. INSTALL 40 WATT LED ECONOMY BOWL SIDE EGRESS STREET LIGHT, TYPE 5. 4' ROUSE. SEE SCHEDULE ON 143 STREET LIGHT LOCALS. (NON-CLASSIFIED POLE (CPU SPEC. ANSI-60-36-48-18-3-16-15-0-10-PC-1-1))

DEVELOPER NOTES

DEVELOPER TO PROVIDE A SIX (6) FOOT PUBLIC UTILITY EASEMENT (CROSS) ON ALL LOT BOUNDARY LINES ADJACENT TO PUBLIC AND/OR PRIVATE ROADS AND TRAILS. ALL TRAILS AND ACCESS EASEMENTS TO BE PRESERVED AS PUBLIC UTILITY EASEMENT.

DEVELOPER TO CALL CPU CONSTRUCTION SERVICES (912-8858) TO REQUEST REMOVAL OF EXISTING ELECTRICAL SERVICE ON THE SITE. DEVELOPER TO CALL CPU (ASTEN AGENCIES 992-8014) TO INSTALL STREET LIGHTING ON PRIVATE ROAD.

THIS DESIGN IS BASED ON HOMES HEADED WITH GAS AND HOVE/RAIL. SIZES LESS THAN 1,000 SQ. FT.

LEGEND

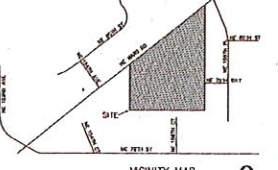
- EXISTING UNDERGROUND PRIMARY
- EXISTING UNDERGROUND SECONDARY
- 7.2 KV UNDERGROUND FEEDER
- 120/240 V UNDERGROUND SECONDARY
- CURB
- PVC CONDUIT
- NUMBER, SIZE, LENGTH OF CONDUIT
- UPRIGHT SERVICE PEDIESTAL
- FUTURE CUSTOMER SERVICE
- PADMOUNT TRANSFORMER
- PRIMARY JUNCTION BOX
- SECONDARY JUNCTION BOX
- LOOP ENCLOSURE
- STREET LIGHT LOCATION
- FAULT INDICATOR
- EXISTING WOOD POLE
- NEW WOOD POLE
- FARE HYDRANT
- WATER METER

DEVELOPER (JOEL STRLING) STERLING DESIGN INC 2208 E. EVERGREEN BLVD VANCOUVER WA 98681 360-759-1791

CENTURYLINK ENGR TYLER WADE 679-3718

COMCAST (CATV) MICHELLE JANSON 828-2348 PROJECT # TED SYRRETT: 360-301-1633

NW NATURAL GAS BRIAN KELLEY 503-220-2427 EXISTING JOB #



THIS DESIGN IS BASED ON CIVIL (STERLING DESIGN INC) INFORMATION RECEIVED ON 1/29/18 ANY SUBSEQUENT CIVIL INFORMATION SHALL REQUIRE A REWIND DESIGN.

DESIGN BY: **DRAPER Electric** 2208 E. EVERGREEN BLVD VANCOUVER WA 98681 (360) 759-1791

CLARK PUBLIC UTILITIES
ANNA MARIE LANE 8013 NE WARD RD 16 U.G. DISTRIBUTION SYSTEM DESIGN BY: AM SCALE 1" = 40' APPROX DATE: 5/17/18 WORK ROST# 505212 DRAWN BY: JAT FILE #

SOURCE: FOUR:1
A22-1-3
SCALE 1" = 40'

| | |
|---|-------------------------------|
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| PAD <input checked="" type="checkbox"/> | POLE <input type="checkbox"/> |
| KVA | 75 |
| PUD# | 36949 |
| SER# | |
| MFR | |
| TAP | 100% |
| PHASE | C |
| IMP | % |

| | |
|---|-------------------------------|
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| KVA | 75 |
| PUD# | 36950 |
| SER# | |
| MFR | |
| TAP | 100% |
| PHASE | C |
| IMP | % |

XFMR STAMP

| | |
|------------------------------------|----------------------|
| CLARK PUBLIC UTILITIES | |
| ANNA MARIE LANE 8013 NE WARD RD | |
| DESIGN BY: JAH | NTS |
| APR'D BY: NAF | SERIAL/RIO #: 505211 |
| DRAWN BY: JJT | FILE # |
| DATE: 4/11/16 | W.O. #: 00101 |