

STREET LIGHT BASE LOCATIONS: [X]

KNOTT ROAD STATIONING

1. STA. 12-14.32/29.85 RT. STREET LIGHT BASE
2. STA. 12-52.74/41.71 LT. STREET LIGHT BASE
3. STA. 13-19.87/37.69 RT. STREET LIGHT BASE POTHOLE EXISTING WATER AND VERIFY POSITION.
4. STA. 13-40.13/39.24 LT. STREET LIGHT BASE
5. STA. 13-73.56/60 LT. CEC PEDESTAL
6. STA. 13-82.75/62.65 RT. CEC PEDESTAL
7. STA. 13-81.75/60.87 RT. STREET LIGHT BASE
8. STA. 15-22.96/52.95 RT. STREET LIGHT BASE
9. STA. 15-31.40/44.83 LT. CEC PEDESTAL
10. STA. 15-69.01/38.73 LT. STREET LIGHT BASE
11. STA. 16-20.01/37.58 RT. STREET LIGHT BASE
12. STA. 16-71.16/28.34 LT. STREET LIGHT BASE

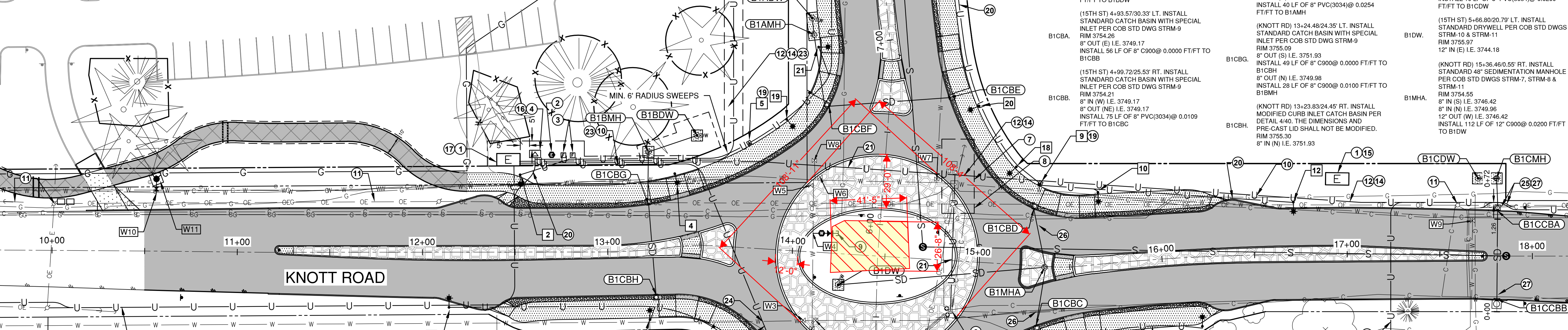
15TH STREET STATIONING:

13. NOT USED
14. NOT USED
15. STA. 4-74.50/32.93 RT. STREET LIGHT BASE
16. STA. 4-85.84/41.71 LT. STREET LIGHT BASE
17. STA. 4-94.68/38.77 RT. CEC PEDESTAL
18. STA. 6-36.85/70.89 RT. STREET LIGHT BASE
19. STA. 6-42.82/54.75 LT. STREET LIGHT BASE
20. STA. 6-68.04/48.23 RT. STREET LIGHT BASE
21. STA. 7-00.50/38.65 LT. STREET LIGHT BASE
22. STA. 7-55.32/37.43 RT. STREET LIGHT BASE
23. STA. 8-04.61/26.50 LT. STREET LIGHT BASE

ON SITE IMPROVEMENTS SHOWN FOR INFORMATION ONLY AND WILL BE COMPLETED UNDER A SEPARATE PERMIT

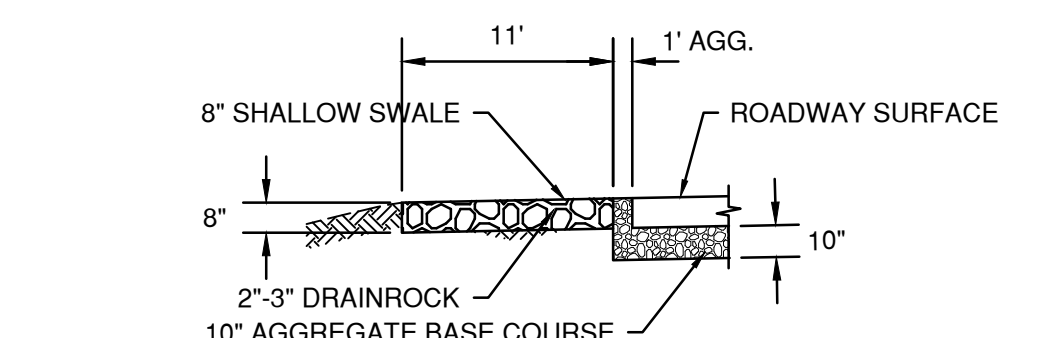
STORM CONSTRUCTION NOTES:

- (15TH ST) 7-15.76/40.46' LT. INSTALL STANDARD DRYWELL PER COB STD DWGS STRM-10 & STRM-11 RIM 3752.99 8" IN (S) I.E. 3748.71
- (15TH ST) 7-07.20/40.47' LT. INSTALL STANDARD 48" SEDIMENTATION MANHOLE PER COB STD DWGS STRM-7, STRM-8 & STRM-11 RIM 3753.13 8" IN (S) I.E. 3748.89 8" OUT (N) I.E. 3748.89 INSTALL 9 LF OF 8" PVC(3034) @ 0.0200 FT/FT TO B1ADW
- (KNOTT RD) 13-48.90/59.29' LT. INSTALL STANDARD DRYWELL PER COB STD DWGS STRM-10 & STRM-11 RIM 3755.15 8" IN (W) I.E. 3749.28
- (KNOTT RD) 13-27.64/52.63' LT. INSTALL STANDARD 48" SEDIMENTATION MANHOLE PER COB STD DWGS STRM-7, STRM-8 & STRM-11 RIM 3755.60 8" IN (S) I.E. 3749.70 8" OUT (E) I.E. 3749.70 INSTALL 28 LF OF 8" PVC(3034) @ 0.0150 FT/FT TO B1BDW
- (15TH ST) 4-89.57/30.33' LT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3754.26 8" OUT (E) I.E. 3749.17 INSTALL 56 LF OF 8" C900 @ 0.0000 FT/FT TO B1CBB
- (15TH ST) 4-89.72/25.83' RT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3754.21 8" IN (W) I.E. 3749.17 8" OUT (NE) I.E. 3749.17 INSTALL 75 LF OF 8" PVC(3034) @ 0.0109 FT/FT TO B1CBC
- (KNOTT RD) 15-33.74/32.15' RT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3753.90 8" IN (SW) I.E. 3748.35 8" OUT (N) I.E. 3746.42 INSTALL 32 LF OF 8" C900 @ 0.0000 FT/FT TO B1MHA
- (KNOTT RD) 15-28.64/30.62' LT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3753.77 8" OUT (S) I.E. 3750.60 INSTALL 32 LF OF 8" C900 @ 0.0200 FT/FT TO B1MHA
- (15TH ST) 6-71.25/31.81' RT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3755.87 8" OUT (W) I.E. 3749.90 INSTALL 63 LF OF 8" C900 @ 0.0000 FT/FT TO B1CBF
- (15TH ST) 6-61.53/32.37' LT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3755.55 8" IN (E) I.E. 3749.90 8" OUT (N) I.E. 3749.90 INSTALL 40 LF OF 8" PVC(3034) @ 0.0254 FT/FT TO B1AMH
- (KNOTT RD) 13-24.48/24.35' LT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3755.09 8" OUT (S) I.E. 3751.93 INSTALL 49 LF OF 8" C900 @ 0.0000 FT/FT TO B1CBH
- (KNOTT RD) 13-23.83/24.45' RT. INSTALL MODIFIED CURB INLET CATCH BASIN PER DETAIL 4.40. THE DIMENSIONS AND PRE-CAST LID SHALL NOT BE MODIFIED. RIM 3755.30 8" IN (N) I.E. 3751.93
- (KNOTT RD) 17-81.24/24.44' LT. INSTALL STANDARD CATCH BASIN WITH SPECIAL INLET PER COB STD DWG STRM-9 RIM 3751.14 8" IN (S) I.E. 3745.22 8" OUT (N) I.E. 3744.97 INSTALL 18 LF OF 8" PVC(3034) @ 0.0200 FT/FT TO B1CMH
- (KNOTT RD) 17-80.85/23.32' RT. INSTALL MODIFIED CURB INLET CATCH BASIN PER DETAIL 1113 RIM 3751.88 8" OUT (N) I.E. 3748.51 INSTALL 48 LF OF 8" C900 @ 0.0689 FT/FT TO B1CCBA
- (KNOTT RD) 17-68.40/41.72' LT. INSTALL STANDARD DRYWELL PER COB STD DWGS STRM-10 & STRM-11 RIM 3755.87 8" IN (E) I.E. 3744.42
- (KNOTT RD) 17-80.88/42.00' LT. INSTALL STANDARD 48" SEDIMENTATION MANHOLE PER COB STD DWGS STRM-7, STRM-8 & STRM-11 RIM 3750.80 8" IN (S) I.E. 3744.62 8" OUT (W) I.E. 3744.62 INSTALL 10 LF OF 8" PVC(3034) @ 0.0200 FT/FT TO B1CDW
- (15TH ST) 5-66.80/20.79' LT. INSTALL STANDARD DRYWELL PER COB STD DWGS STRM-10 & STRM-11 RIM 3755.97 12" IN (E) I.E. 3744.18
- (KNOTT RD) 15-36.46/0.55' RT. INSTALL STANDARD 48" SEDIMENTATION MANHOLE PER COB STD DWGS STRM-7, STRM-8 & STRM-11 RIM 3754.55 8" IN (S) I.E. 3746.42 8" IN (N) I.E. 3749.96 12" OUT (W) I.E. 3746.42 INSTALL 112 LF OF 12" C900 @ 0.0200 FT/FT TO B1D



CONSTRUCTION NOTES: [X]

1. INSTALL NEW ELECTRICAL UTILITY VAULT FOR CEC SWITCHGEAR. CONTRACTOR TO COORDINATE WITH CENTRAL ELECTRIC COOPERATIVE (CEC).
2. NEW POWER SERVICE PEDESTAL. CONTRACTOR TO COORDINATE WITH CEC.
3. NEW CENTURY LINK FIBER HUB EQUIPMENT. CONTRACTOR TO COORDINATE WITH ELECTRIC AND UTILITY COMPANIES.
4. NEW ELECTRIC TRANSFORMER. CONTRACTOR TO COORDINATE WITH CEC AND PLACE VAULT.
5. SEE STREET LIGHT BASE LOCATION TABLE FOR NEW STREET LIGHTING. CONTRACTOR TO COORDINATE WITH CEC.
6. COORDINATE WITH UTILITY AND REVIEW EXISTING COMMUNICATION LINES AND PEDESTALS FOR POTENTIAL CONFLICTS.
7. COORDINATE WITH CENTRAL ELECTRIC COOPERATIVE FOR RELOCATION/REMOVAL OF EXISTING POWER POLE AND ANCHOR.
8. COORDINATE WITH UTILITY COMPANIES FOR REMOVAL/RELOCATION OF EXISTING EQUIPMENT.
9. INSTALL NEW 1" IRRIGATION SERVICE TO EXISTING AVION WATER MAIN WITH A NEW METER AND DOUBLE CHECK VALVE ASSEMBLY. CONTRACTOR TO COORDINATE WITH AVION WATER COMPANY FOR NEW WATER METER. INSTALL THE NEW SERVICE ASSEMBLY TO THE DIMENSIONS SHOWN ON COB STD DETAIL W-5 AND TO AVION WATER STANDARDS
10. CONSTRUCT COMMON UTILITY TRENCH PER CITY STD. DWG. R-10A. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR NUMBER AND SIZE OF CONDUIT.
11. PROTECT EXISTING UTILITY POLE AND ANCHORS UNTIL UTILITIES HAVE BEEN RELOCATED. COORDINATE WITH UTILITY PROVIDERS PRIOR TO REMOVAL.
12. CONTRACTOR TO INSTALL TWO(2) 6" SCH 40 PVC FOR CEC.
13. CONTRACTOR TO INSTALL TWO(2) 4" SCH 40 PVC FOR CEC.
14. CEC TO INSTALL FOUR(4) 6" SCH 40 PVC.
15. INSTALL 612 CEC BASE GROUNDED WITH 612 TOP 3-DOOR
16. INSTALL 644 CEC BASE GROUNDED WITH 644 TOP 1PH XFMR
17. INSTALL 612 CEC BASE GROUNDED WITH 612 VFI TOP 10T
18. CONTRACTOR TO INSTALL TWO(2) 3" SCH. 40 PVC FOR CEC.
19. CONTRACTOR TO INSTALL ONE(1) 3" SCH. 40 PVC CONDUIT FROM TRANSFORMER TO PEDESTAL TRANSFORMER.
20. CONTRACTOR TO INSTALL ONE(1) 2" SCH. 40 PVC CONDUIT FROM PEDESTAL TRANSFORMER TO EACH STREET LIGHT. EACH LIGHT REQUIRES A DEDICATED CONDUIT.
21. PROVIDE TRENCH FOR CENTURY LINK TO EXISTING PEDESTAL. COORDINATE WITH CENTURY LINK FOR CONDUIT NEEDS.
22. CONTRACTOR TO INSTALL ONE(1) 4" SCH. 40 PVC FOR CENTURY LINK.
23. CONTRACTOR TO INSTALL TWO(2) 4" SCH. 40 PVC FOR CENTURY LINK.
24. POT HOLE EXISTING AVION WATER LINE. ADJUST COMMON UTILITY TRENCH TO PROVIDE MIN. 12" SEPARATION AT CROSSING



1/8 DRAINAGE SWALE TYPICAL SECTION SCALE: N.T.S.

AVION: WATER CONSTRUCTION NOTES:

- W1. 15TH ST STA: 5-43.96/34.51 LT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W2. 15TH ST STA: 5-47.91/32.59 LT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W3. 15TH ST STA: 5-48.05/39.37 LT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W4. 15TH ST STA: 5-92.38/35.71 LT. 1" SERVICE TAP
- W5. 15TH ST STA: 6-18.11/39.00 LT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W6. 15TH ST STA: 6-22.92/34.35 LT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W7. 15TH ST STA: 6-26.88/28.59 RT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W8. 15TH ST STA: 6-31.72/38.11 LT. COORDINATE WITH AVION WATER TO ASSIST WITH PLUGGING MAINLINE. REMOVE AND DISPOSE OF EXISTING VALVE BOX, VALVE, AND 2-INCH PIPE SERVICE TO THE WATER MAIN. CAP THE 2-INCH SERVICE PIPE AT THE WATER MAIN.
- W9. 15TH ST STA: 6-27.27/316.69 RT. ADJUST EXISTING VALVE BOX TO FINISHED GRADE
- W10. STA. 10-56.03/31.63' LT. CONTRACTOR TO POT HOLE EXISTING WATER, COMMUNICATIONS, AND GAS LINES. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. HOT TAP EXISTING 18" PVC WATER MAIN WITH 6" TAPPING VALVE. INSTALL WATER LINE PER COB STD DWG W-1.
- W11. STA. 10-55.97/38.97 LT. INSTALL FIRE HYDRANT PER AVION HYDRANT AND HYDRANT PAD DETAILS.

SHALLOW INFILTRATION SWALE. SEE SECTION 1/8. MINIMUM 6-CY 2"-3" DRAINROCK FOR 24-HOUR 25-YEAR DESIGN STORM.

RA UTILITY RELOCATION PLAN

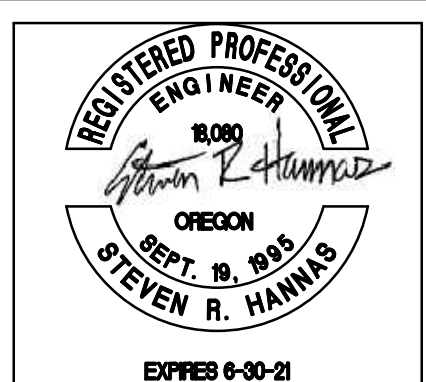
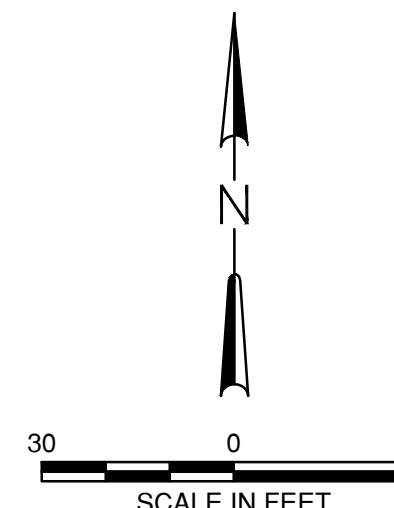
SCALE: 1"=30'

CONSTRUCTION NOTES (CONT.): [X]

25. CONTRACTOR TO COORDINATE WITH CENTURYLINK TO ADJUST LOCATION OF EXISTING COMMUNICATION LINE TO PROVIDE 12" SEPARATION TO CATCH BASIN.
26. SEE RA 15TH STREET PROFILE, SHEET 10/58, FOR STORM PIPING AND SEPARATION TO EXISTING UTILITIES.
27. SEE B1C STORM PIPING PROFILE ON SHEET 13/58 FOR ADDITIONAL INFORMATION.

UTILITY DESIGN AND CONSTRUCTION BY OTHERS COORDINATION NOTES:

- AVION WATER COMPANY PLANS TO EXECUTE THE FOLLOWING CONSTRUCTION ACTIVITIES FOR THE AVION WATER SYSTEM:
1. REPLACE SEVERAL HUNDRED FEET OF THE EXISTING 18" WATER MAIN WITH DUCTILE IRON PIPE.
 2. INSTALL A SLEEVE ACROSS TEKAMPE ROAD TO SUPPORT FUTURE CONSTRUCTION OF A 24" WATER LINE THAT WILL SUPPORT FUTURE DEVELOPMENT OF THE CITY OF BEND SOUTHEAST AREA PLAN.
- CONTRACTOR AND AVION WATER COMPANY SHALL COORDINATE WORK ACTIVITIES AND CONSTRUCT TRAFFIC CONTROL MEASURES. THE WATER SYSTEM DESIGNS AND IMPROVEMENTS ARE TO BE COMPLETED BY AVION WATER COMPANY AND ARE NOT PART OF THIS CONSTRUCTION CONTRACT OR PERMITTED WITH BP-19-0462-INF.



STREET IMPROVEMENTS
RA UTILITY RELOCATION PLAN
 DESCHUTES COUNTY, OREGON



REVISIONS:

1.	AS-BUILT	NOV 2020
2.		
3.		

DOWL
 WWW.DOWL.COM
 963 SW Simpson #200
 Bend, Oregon 97702
 541-385-4772

DESIGNED BY: ABC
 DRAWN BY: KLL
 SCALE: AS SHOWN
 FILE: S415-CT-PP-14175-RA-19-0462
 DATE: 06/11/2019

VERIFY SCALES
 0 1"
 BAR EQUALS ONE INCH
 ON ORIGINAL DRAWING
8/58
 SHEET:
 AS-BUILT
 COB # BP-19-0462-INF