

# ST HELENS WATERFRONT OH TO UG CONVERSION

## PROJECT #: 913375

### 295 STRAND ST

### ST HELENS, OR 97051



#### OWNER / APPLICANT

COMCAST  
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#### DESIGN BY

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CALL 811 BEFORE YOU DIG

ATTENTION:  
 OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED  
 BY THE OREGON UTILITY NOTIFICATION CENTER.  
 THOSE RULES ARE SET FORTH IN OAR 952-001-0010  
 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF  
 THE RULES BY CALLING THE OREGON UTILITY  
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TO REQUEST UTILITY LOCATES CALL THE OREGON  
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Know what's below.  
 Call before you dig.

295 STRAND ST  
 ST HELENS, OR 97051

913375  
 \$JURISDICTION RIGHT-OF-WAY PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS	
DATE	DESCRIPTION
06/08/22	ORIGINAL ISSUE
	DESIGN DRAWN
	TF
	JAY

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SHEET  
**CS**  
 PROJECT ID  
 CMFR-39699



**CONSTRUCTION NOTES**  
 FROM VAULTS, SINGLE TENANT BUILDINGS REQUIRE DROP CONDUIT ONLY. MULTI TENANT WILL REQUIRE 2" CONDUIT & EMT OUTSIDE OF BUILDING\*

J. 280 S 1ST ST. FROM VAULT 6, NEEDS 112' (72' & 40') 3/4" DROP CONDUIT TO HOUSE.

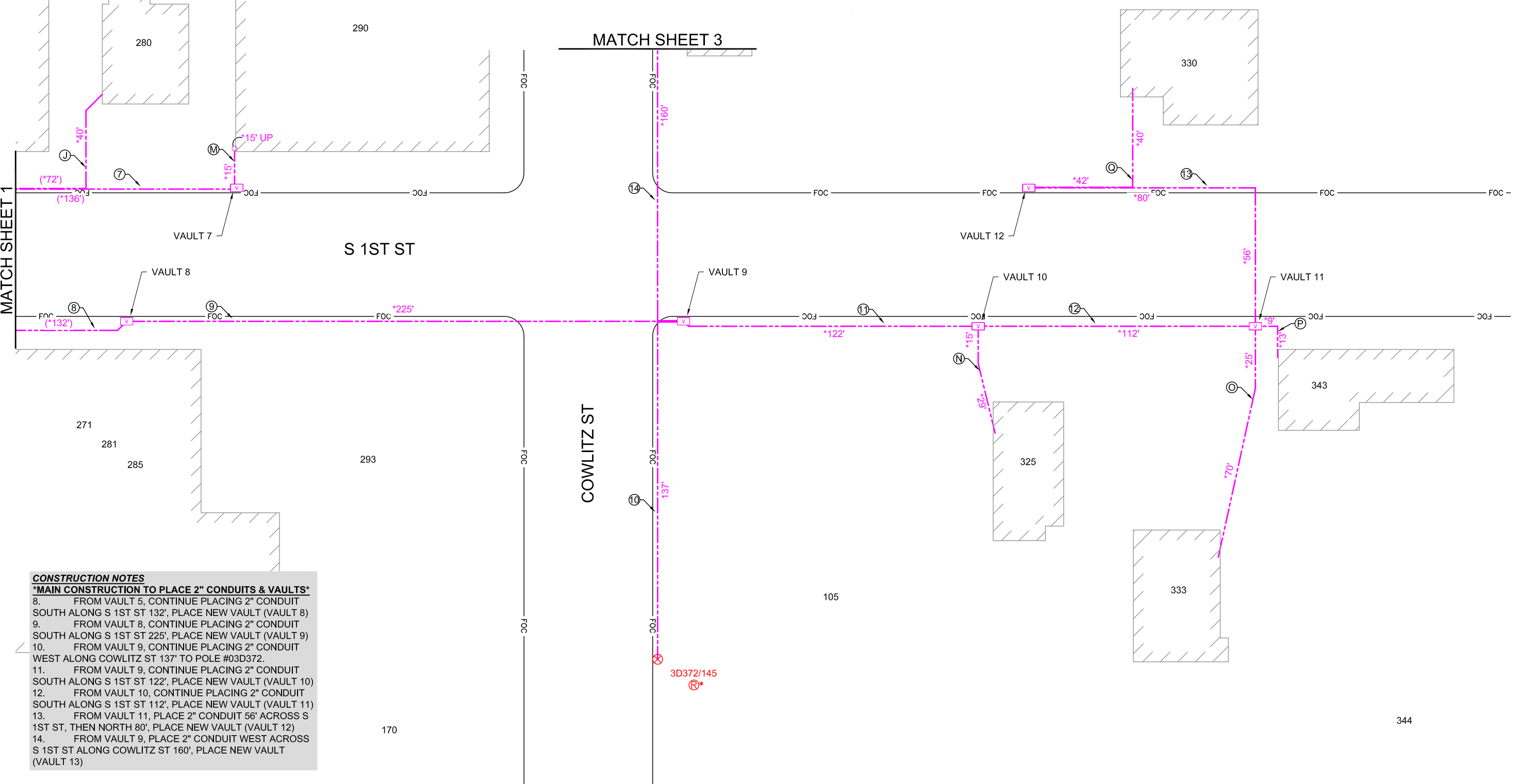
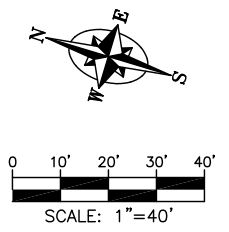
M. 290 S 1ST ST. FROM VAULT 7, PLACE 2" CONDUIT 15' TO BUILDING. RISER UP OUTSIDE OF BUILDING 15' W/ EMT CONDUIT.

N. 325 S 1ST ST. FROM VAULT 10, NEEDS 44' (15' & 29') 3/4" DROP CONDUIT TO HOUSE.

O. 333 S 1ST ST. FROM VAULT 11, NEEDS 95' (25' & 70') 3/4" DROP CONDUIT TO HOUSE.

P. 343 S 1ST ST. FROM VAULT 11, NEEDS 22' (9' & 13') 3/4" DROP CONDUIT TO BUILDING.

Q. 330 S 1ST ST. FROM VAULT 12, NEEDS 82' (42' & 40') 3/4" DROP CONDUIT TO HOUSE.



**CONSTRUCTION NOTES**  
 \*MAIN CONSTRUCTION TO PLACE 2" CONDUITS & VAULTS\*

8. FROM VAULT 5, CONTINUE PLACING 2" CONDUIT SOUTH ALONG S 1ST ST 132', PLACE NEW VAULT (VAULT 8)

9. FROM VAULT 8, CONTINUE PLACING 2" CONDUIT SOUTH ALONG S 1ST ST 225', PLACE NEW VAULT (VAULT 9)

10. FROM VAULT 9, CONTINUE PLACING 2" CONDUIT WEST ALONG COWLITZ ST 137' TO POLE #03D372.

11. FROM VAULT 9, CONTINUE PLACING 2" CONDUIT SOUTH ALONG S 1ST ST 122', PLACE NEW VAULT (VAULT 10)

12. FROM VAULT 10, CONTINUE PLACING 2" CONDUIT SOUTH ALONG S 1ST ST 112', PLACE NEW VAULT (VAULT 11)

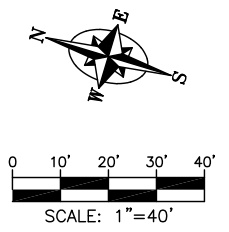
13. FROM VAULT 11, PLACE 2" CONDUIT 56' ACROSS S 1ST ST, THEN NORTH 80', PLACE NEW VAULT (VAULT 12)

14. FROM VAULT 9, PLACE 2" CONDUIT WEST ACROSS S 1ST ST ALONG COWLITZ ST 160', PLACE NEW VAULT (VAULT 13)

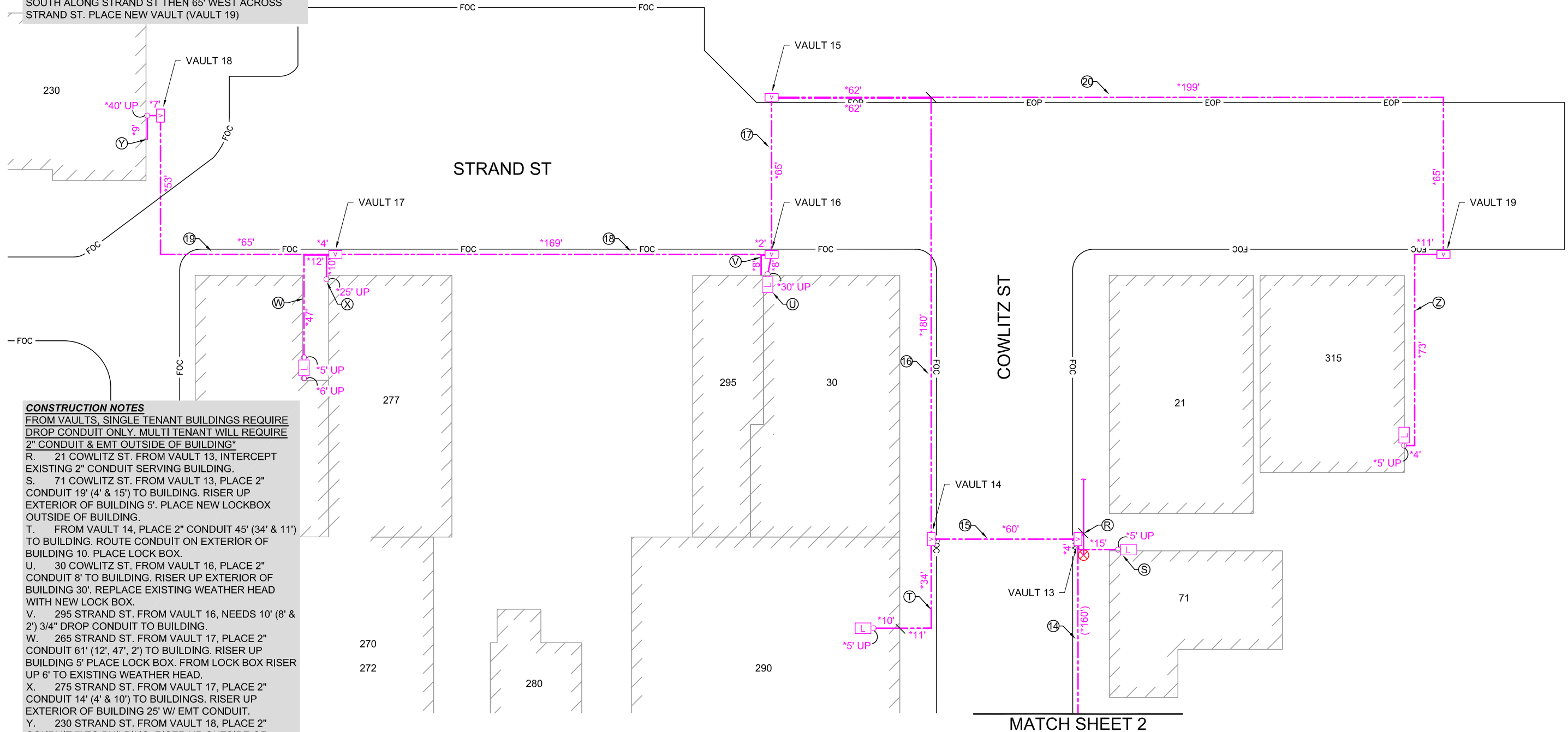
295 STRAND ST ST HELENS, OR 97051		913375 SITE PLAN	
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SHEET		2	
PROJECT ID		CMFR-39699	

**CONSTRUCTION NOTES**  
**\*MAIN CONSTRUCTION TO PLACE 2" CONDUITS & VAULTS\***

14. FROM VAULT 9, PLACE 2" CONDUIT WEST ACROSS S 1ST ST ALONG COWLITZ ST 160', PLACE NEW VAULT (VAULT 13)
15. FROM VAULT 13, PLACE 2" CONDUIT NORTH ACROSS COWLITZ ST 60', PLACE NEW VAULT (VAULT 14)
16. FROM VAULT 14, PLACE 2" CONDUIT EAST ALONG COWLITZ ST CROSSING STRAND ST 180'. THEN HEAD NORTH 62' PLACE NEW VAULT (VAULT 15)
17. FROM VAULT 15, PLACE 2" CONDUIT EAST ACROSS STRAND ST 65' PLACE NEW VAULT (VAULT 16)
18. FROM VAULT 16, PLACE 2" CONDUIT NORTH ALONG STRAND ST 169' PLACE NEW VAULT (VAULT 17)
19. FROM VAULT 17, PLACE 2" CONDUIT NORTH 65' THEN 53' WEST ACROSS STRAND STREET, PLACE NEW VAULT (VAULT 18)
20. FROM VAULT 15, PLACE 2" CONDUIT 261' SOUTH ALONG STRAND ST THEN 65' WEST ACROSS STRAND ST. PLACE NEW VAULT (VAULT 19)



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**CONSTRUCTION NOTES**  
**FROM VAULTS, SINGLE TENANT BUILDINGS REQUIRE DROP CONDUIT ONLY. MULTI TENANT WILL REQUIRE 2" CONDUIT & EMT OUTSIDE OF BUILDING\***

- R. 21 COWLITZ ST. FROM VAULT 13, INTERCEPT EXISTING 2" CONDUIT SERVING BUILDING.
- S. 71 COWLITZ ST. FROM VAULT 13, PLACE 2" CONDUIT 19' (4' & 15') TO BUILDING. RISER UP EXTERIOR OF BUILDING 5'. PLACE NEW LOCKBOX OUTSIDE OF BUILDING.
- T. FROM VAULT 14, PLACE 2" CONDUIT 45' (34' & 11') TO BUILDING. ROUTE CONDUIT ON EXTERIOR OF BUILDING 10. PLACE LOCK BOX.
- U. 30 COWLITZ ST. FROM VAULT 16, PLACE 2" CONDUIT 8' TO BUILDING. RISER UP EXTERIOR OF BUILDING 30'. REPLACE EXISTING WEATHER HEAD WITH NEW LOCK BOX.
- V. 295 STRAND ST. FROM VAULT 16, NEEDS 10' (8' & 2') 3/4" DROP CONDUIT TO BUILDING.
- W. 265 STRAND ST. FROM VAULT 17, PLACE 2" CONDUIT 61' (12', 47', 2') TO BUILDING. RISER UP BUILDING 5' PLACE LOCK BOX. FROM LOCK BOX RISER UP 6' TO EXISTING WEATHER HEAD.
- X. 275 STRAND ST. FROM VAULT 17, PLACE 2" CONDUIT 14' (4' & 10') TO BUILDINGS. RISER UP EXTERIOR OF BUILDING 25' W/ EMT CONDUIT.
- Y. 230 STRAND ST. FROM VAULT 18, PLACE 2" CONDUIT 7' TO BUILDING. RISER UP OUTSIDE OF BUILDING 40' THEN 9'.
- Z. 313 STRAND ST. FROM VAULT 19, PLACE 2" CONDUIT 88' TO BUILDING. RISER UP EXTERIOR OF BUILDING 5', PLACE NEW LOCK BOX.

MATCH SHEET 2

295 STRAND ST ST HELENS, OR 97051		913375 SITE PLAN	
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SHEET			
3			
PROJECT ID CMFR-39699			



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 1  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 2  
SHEET SP1



**CONSTRUCTION NOTES**

ROUTE PICS 1-4

- 111 ST HELENS ST. FROM VAULT 1, NEEDS 35' (24' & 11') 3/4" DROP CONDUIT TO BUILDING.
- 203 S 1ST ST. FROM VAULT 1, NEEDS 36' (25' & 11') 3/4" DROP CONDUIT TO BUILDING.
- 213 / 215 S 1ST ST. FROM VAULT 2, PLACE 2" CONDUIT 14' (3' & 11') TO BUILDING. RISER UP OUTSIDE OF BUILDING 20' W/ EMT CONDUIT.
- 231 / 235 S 1ST ST. FROM VAULT 3, PLACE 2" CONDUIT 9' TO BUILDING. RISER UP OUTSIDE OF BUILDING 15' W/ EMT CONDUIT.

ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 3  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 4  
SHEET SP1



295 STRAND ST  
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ROUTE PICTURE  
LOOKING SOUTHEAST

PIC # 5  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 6  
SHEET SP1



**CONSTRUCTION NOTES**

ROUTE PICS 5-8

- 240 S 1ST ST. FROM VAULT 4, PLACE 2" CONDUIT 14' TO BUILDING. RISER UP OUTSIDE OF BUILDING 15' W/ EMT CONDUIT.
- 239 THROUGH 257 S 1ST ST. FROM VAULT 5, PLACE 2" CONDUIT 18' (7' & 11') TO BUILDING. RISER UP OUTSIDE OF BUILDING 19'. PLACE EMT CONDUIT 104' (59' & 45') OUTSIDE OF BUILDING. PLACE NEW LOCKBOX BEHIND BUILDING.

ROUTE PICTURE  
LOOKING NORTH

PIC # 7  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTHEAST

PIC # 8  
SHEET SP1



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ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 9  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTH

PIC # 10  
SHEET SP1



**CONSTRUCTION NOTES**

ROUTE PICS 9-12

- 261 & 267 S 1ST ST. FROM VAULT 5, PLACE 2" CONDUIT 16' (5' & 11') TO BUILDING. RISER UP OUTSIDE OF BUILDING 18' W/ EMT CONDUIT.
- 271,281,285 S 1ST ST. FROM VAULT 5, PLACE 2" CONDUIT 82' (69' & 13') TO BUILDING. RISER UP BUILDING 10' THEN 22' ALONG BUILDING THEN DOWN 4', PLACE NEW LOCK BOX.
- 270 & 272 S 1ST ST. FROM VAULT 6, PLACE 2" CONDUIT 19' (7' & 12') TO BUILDING. RISER UP OUTSIDE OF BUILDING 20' W/ EMT CONDUIT.

ROUTE PICTURE  
LOOKING SOUTH

PIC # 11  
SHEET SP1



ROUTE PICTURE  
LOOKING NORTHEAST

PIC # 12  
SHEET SP1



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ROUTE PICTURE  
LOOKING SOUTHEAST

PIC # 13  
SHEET SP1



ROUTE PICTURE  
LOOKING NORTHEAST

PIC # 14  
SHEET SP1



**CONSTRUCTION NOTES**

ROUTE PICS 13-16

- 270 & 272 S 1ST ST. FROM VAULT 6, PLACE 2" CONDUIT 19' (7' & 12') TO BUILDING. RISER UP OUTSIDE OF BUILDING 20' W/ EMT CONDUIT.
- 280 S 1ST ST. FROM VAULT 6, NEEDS 112' (72' & 40') 3/4" DROP CONDUIT TO HOUSE.
- 61 PLAZA SQUARE. FROM VAULT 6, NEEDS 112' (4', 105', 3') 3/4" DROP CONDUIT TO BUILDING.

ROUTE PICTURE  
LOOKING NORTHEAST

PIC # 15  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 16  
SHEET SP1



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ROUTE PICTURE  
LOOKING SOUTH

PIC # 17  
SHEET SP1



ROUTE PICTURE  
LOOKING SOUTH

PIC # 18  
SHEET SP1



**CONSTRUCTION NOTES**

ROUTE PICS 17-20

- 50 PLAZA SQUARE. FROM EXISTING PED BEHIND 200 S 1ST ST, NEEDS 154' (135' & 19') 3/4" DROP CONDUIT TO BUILDING.
- 290 S 1ST ST. FROM VAULT 7, PLACE 2" CONDUIT 15' TO BUILDING. RISER UP OUTSIDE OF BUILDING 15' W/ EMT CONDUIT.
- 325 S 1ST ST. FROM VAULT 10, NEEDS 44' (15' & 29') 3/4" DROP CONDUIT TO HOUSE.

ROUTE PICTURE  
LOOKING EAST

PIC # 19  
SHEET SP2



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 20  
SHEET SP2



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ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 21  
SHEET SP2



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 22  
SHEET SP2



**CONSTRUCTION NOTES**

ROUTE PICS 21-24

- 333 S 1ST ST. FROM VAULT 11, NEEDS 95' (25' & 70') 3/4" DROP CONDUIT TO HOUSE.
- 343 S 1ST ST. FROM VAULT 11, NEEDS 22' (9' & 13') 3/4" DROP CONDUIT TO BUILDING.
- 330 S 1ST ST. FROM VAULT 12, NEEDS 82' (42' & 40') 3/4" DROP CONDUIT TO HOUSE.

ROUTE PICTURE  
LOOKING SOUTHEAST

PIC # 23  
SHEET SP2



ROUTE PICTURE  
LOOKING EAST

PIC # 24  
SHEET SP2



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ROUTE PICTURE  
LOOKING SOUTH

PIC # 25  
SHEET SP3



ROUTE PICTURE  
LOOKING SOUTHEAST

PIC # 26  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 27  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 28  
SHEET SP3



**CONSTRUCTION NOTES**

ROUTE PICS 25-28

- 21 COWLITZ ST. FROM VAULT 13, INTERCEPT EXISTING 2" CONDUIT SERVING BUILDING.
- 71 COWLITZ ST. FROM VAULT 13, PLACE 2" CONDUIT 19' (4' & 15') TO BUILDING. RISER UP EXTERIOR OF BUILDING 5'. PLACE NEW LOCKBOX OUTSIDE OF BUILDING.
- FROM VAULT 14, PLACE 2" CONDUIT 45' (34' & 11') TO BUILDING. ROUTE CONDUIT ON EXTERIOR OF BUILDING 10. PLACE LOCK BOX.

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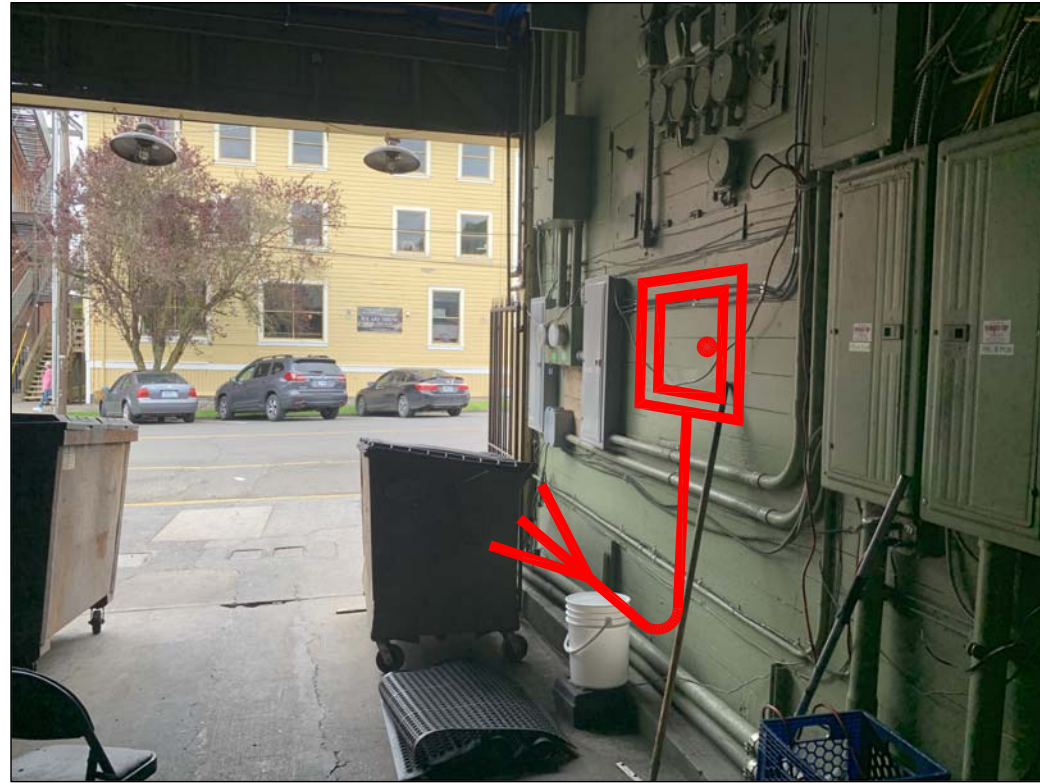
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PROJECT ID  
CMFR-39699



ROUTE PICTURE  
LOOKING SOUTH

PIC # 29  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 30  
SHEET SP3



**CONSTRUCTION NOTES**

ROUTE PICS 29-32

- FROM VAULT 14, PLACE 2" CONDUIT 45' (34' & 11') TO BUILDING. ROUTE CONDUIT ON EXTERIOR OF BUILDING 10. PLACE LOCK BOX.
- 30 COWLITZ ST. FROM VAULT 16, PLACE 2" CONDUIT 8' TO BUILDING. RISER UP EXTERIOR OF BUILDING 30'. REPLACE EXISTING WEATHER HEAD WITH NEW LOCK BOX.
- 295 STRAND ST. FROM VAULT 16, NEEDS 10' (8' & 2') 3/4" DROP CONDUIT TO BUILDING.

ROUTE PICTURE  
LOOKING SOUTHEAST

PIC # 31  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 32  
SHEET SP3



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SHEET

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ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 33  
SHEET SP3



ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 34  
SHEET SP3



**CONSTRUCTION NOTES**

ROUTE PICS 33-36

- 265 STRAND ST. FROM VAULT 17, PLACE 2" CONDUIT 61' (12', 47', 2') TO BUILDING. RISER UP BUILDING 5' PLACE LOCK BOX. FROM LOCK BOX RISER UP 6' TO EXISTING WEATHER HEAD.
- 275 STRAND ST. FROM VAULT 17, PLACE 2" CONDUIT 14' (4' & 10') TO BUILDINGS. RISER UP EXTERIOR OF BUILDING 25' W/ EMT CONDUIT.
- 230 STRAND ST. FROM VAULT 18, PLACE 2" CONDUIT 7' TO BUILDING. RISER UP OUTSIDE OF BUILDING 40' THEN 9'.

ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 35  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 36  
SHEET SP3



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ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 37  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHWEST

PIC # 38  
SHEET SP3



**CONSTRUCTION NOTES**

ROUTE PICS 37-40

- 230 STRAND ST. FROM VAULT 18, PLACE 2" CONDUIT 7' TO BUILDING. RISER UP OUTSIDE OF BUILDING 40' THEN 9'.
- 313 STRAND ST. FROM VAULT 19, PLACE 2" CONDUIT 88' TO BUILDING. RISER UP EXTERIOR OF BUILDING 5', PLACE NEW LOCK BOX.

ROUTE PICTURE  
LOOKING SOUTHWEST

PIC # 39  
SHEET SP3



ROUTE PICTURE  
LOOKING NORTHEAST

PIC # 40  
SHEET SP3



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## LINETYPES

AERIAL CABLE	
EXISTING CONDUIT	
NEW CONDUIT	
RIGHT-OF-WAY	
EASEMENT	
PUBLIC UTILITY EASEMENT	
PROPERTY LINE	
CENTERLINE	
FACE OF CURB	
EDGE OF PAVEMENT	
EDGE OF CONCRETE	
EDGE OF GRAVEL	
EDGE OF SIDEWALK	
EXCAVATION LIMITS	
SEWER	
STORM	
WATER	
GAS	
POWER	
TELEPHONE	
FIBER OPTIC	
CATV	
TRAFFIC SIGNAL	
STREET LIGHT	
FENCE LINE	
GUARD RAIL	
RAILROAD TRACKS	

BUILDING FOOTPRINT



## SYMBOLS

JOINT USE POLE		POLE TAG
JOINT USE POLE W/ TRANSFORMER		POLE TAG
POWER POLE W/ TRANSFORMER		POLE TAG
POWER POLE		POLE TAG
CABLE POLE		POLE TAG
TELEPHONE POLE		POLE TAG
EXISTING CONDUIT RISER		
PROPOSED CONDUIT RISER		
PEDESTAL		
VAULT/HANDHOLE		
MANHOLE		
INLET		
VALVE		
METER		
HYDRANT		
POWER TRANSFORMER		
STREET LIGHT POLE		
TRAFFIC SIGNAL POLE		
SIGNAL CONTROLLER		
CROSS WALK SIGNAL		
RAILROAD SIGNAL		
TREE		
CULVERT		

295 STRAND ST  
ST HELENS, OR 97051

913375  
\$JURISDICTION RIGHT-OF-WAY PLAN

DESIGN BY K & B TECHNICAL SOLUTIONS		DESIGN/DRAWN	
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