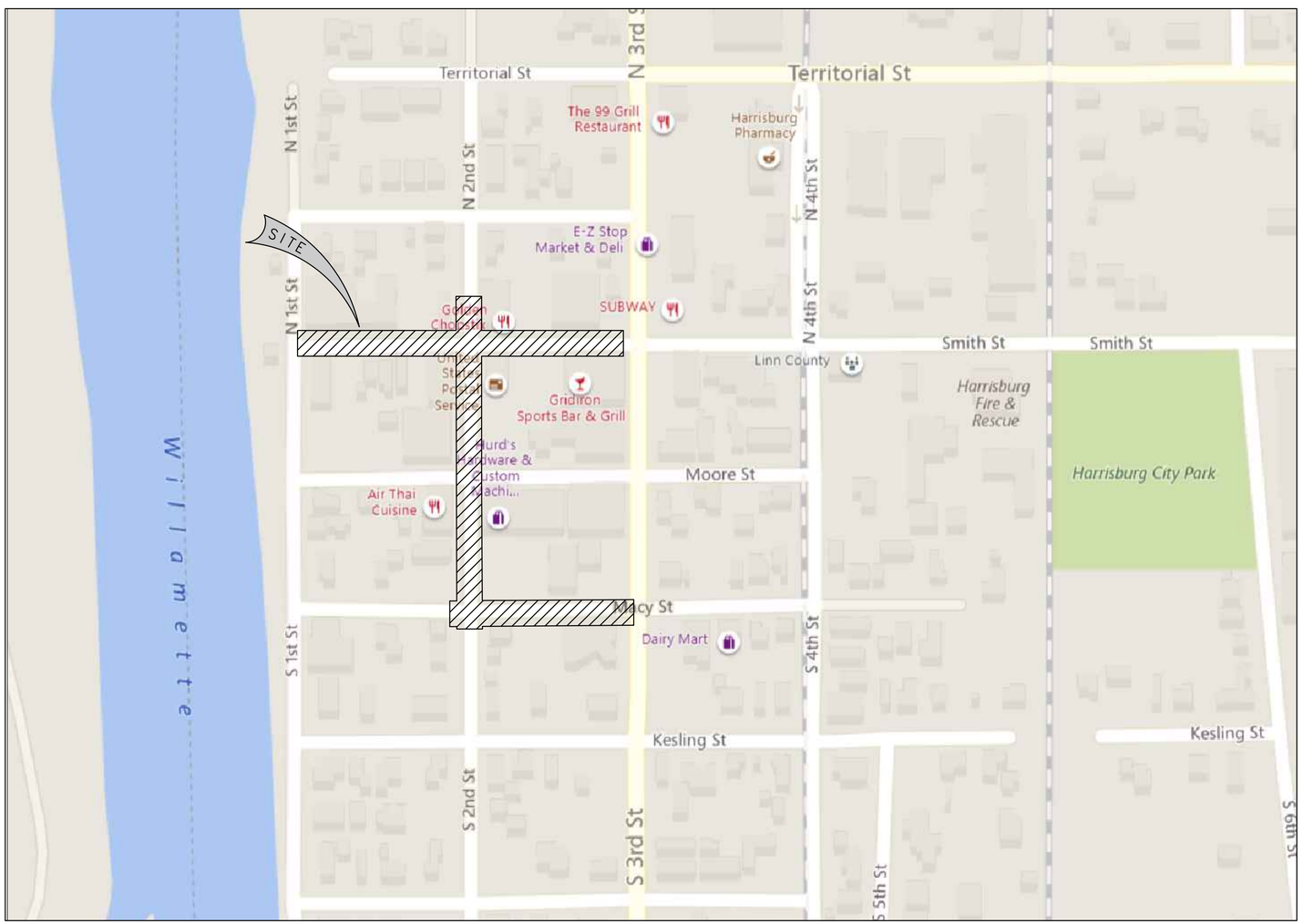
CITY OF HARRISBURG
SMITH, MACY, & 2ND STREET REHABILITATION

SMITH STREET BETWEEN FIRST STREET & 3RD/HWY. 99E
MACY STREET BETWEEN 2ND & 3RD/HWY. 99E
2ND STREET BETWEEN SMITH & MACY



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SHEET #	SHEET TITLE
C1	COVER SHEET
C2	TYPICAL SECTIONS AND GENERAL NOTES
C3	SMITH STREET – EXISTING CONDITIONS AND DEMOLITION PLAN
C4	2ND STREET – EXISTING CONDITIONS AND DEMOLITION PLAN
C5	MACY STREET – EXISTING CONDITIONS AND DEMOLITION PLAN
C6	SMITH STREET – STREET AND STORM PLAN AND PROFILE
C7	SMITH STREET – STREET AND STORM PLAN AND PROFILE
C8	2ND STREET – STREET AND STORM PLAN AND PROFILE
C9	2ND STREET – STREET AND STORM PLAN AND PROFILE
C10	MACY STREET – STREET AND STORM PLAN AND PROFILE
CII	CURB RETURN ADA RAMP DETAILS
C12	CURB RETURN ADA RAMP DETAILS
C13	CURB RETURN ADA RAMP DETAILS
C14	CURB RETURN ADA RAMP DETAILS
C15	CURB RETURN ADA RAMP DETAILS
C16	CURB RETURN ADA RAMP DETAILS
C17	MACY KEY BANK EX. RAMP & HANDRAIL DETAILS
C18	MACY KEY BANK ENTRANCE STAIRS & HANDRAIL DETAILS
C19	SMITH STREET – WATERLINE PLAN AND PROFILE
C20	SMITH STREET – WATERLINE PLAN AND PROFILE
C21	MACY STREET – WATERLINE PLAN AND PROFILE
C22	SMITH STREET – ELECTRICAL, STREET LIGHTING, SIGNING, & PAVEMENT STRIPING PLAN
C23	2ND STREET – ELECTRICAL, STREET LIGHTING, SIGNING, & PAVEMENT STRIPING PLAN
C24	MACY STREET – ELECTRICAL, STREET LIGHTING, SIGNING, & PAVEMENT STRIPING PLAN
C25	RRFB DETAIL SHEET
C26	DETAILS
C27	DETAILS
C28	DETAILS
C29	DETAILS

UTILITY PROVIDERS

UTILITY	PROVIDER	PHONE NUMBER
WATER	CITY OF HARRISBURG	541-995-6655
SEWER	CITY OF HARRISBURG	541-995-6655
STORM	CITY OF HARRISBURG	541-995-6655
ELECTRIC	PACIFIC POWER	503-255-4634
GAS	NW NATURAL	503-220-2415
TELEPHONE	CENTURY LINK	800-283-4237
TELEVISION	COMCAST	541-230-0079

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REGISTERED PROFESSIONAL ENGINEER #53,800 GREGORY A. MOWER JULY 9, 2001 OREGON

Originally signed by Greg Mower DIGITALLY SIGNED Date: 2020.02.28 14:30:00

EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation
Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

date: JANUARY 28, 2020
drawn by: GAM
designer: GAM
project no: 17-009F

Cover Sheet

sheet: C1

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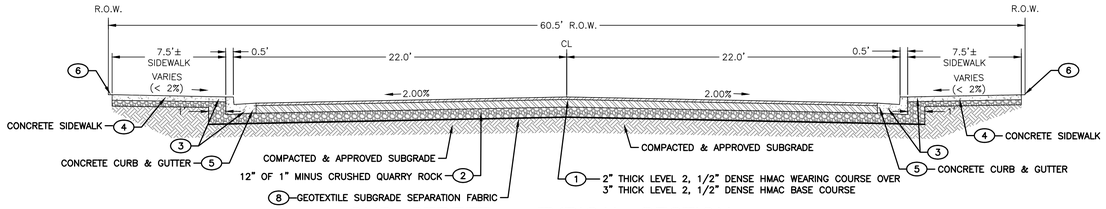

2ND STREET – TYPICAL SECTION

STA 5+85 TO STA 5+93.64
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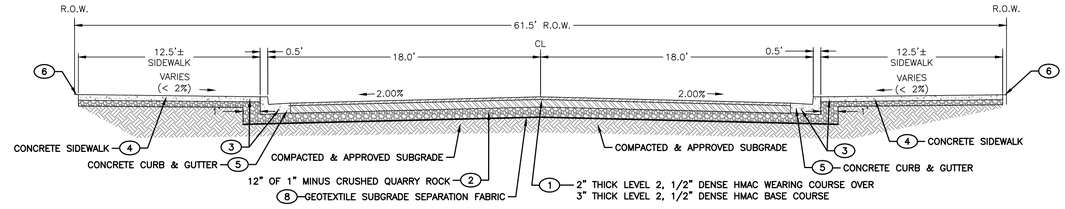

SMITH STREET – TYPICAL SECTION

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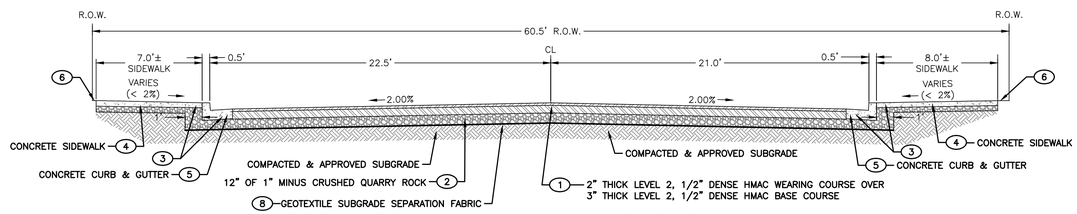

2ND STREET – TYPICAL SECTION

STA 7+05.56 TO STA 8+88.00
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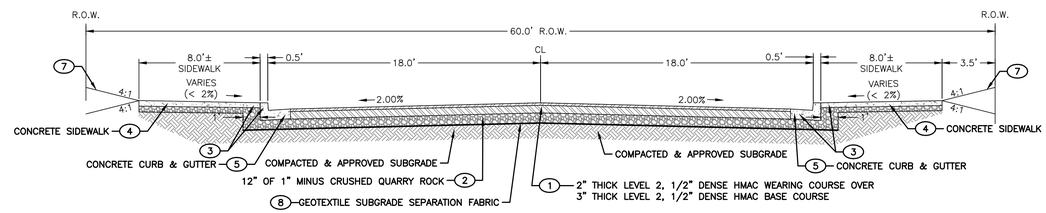
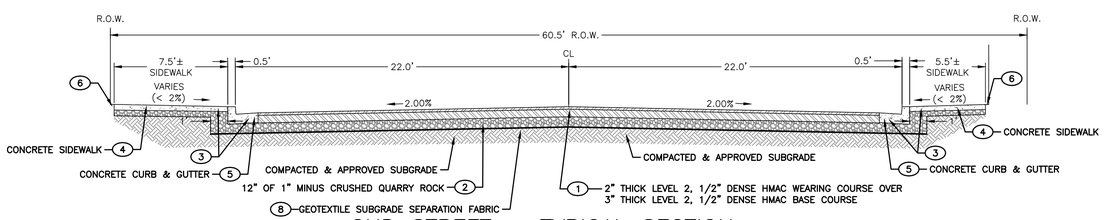


MACY STREET – TYPICAL SECTION

STA 4+02.68 TO STA 7+92.83
(NOT TO SCALE)



2ND STREET – TYPICAL SECTION

STA 9+71.33 TO STA 10+57.00
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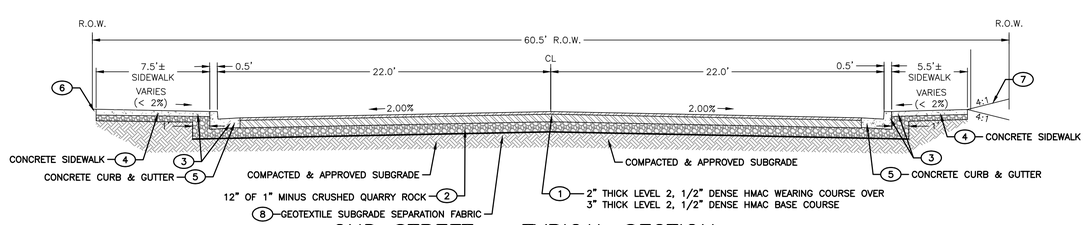

2ND STREET – TYPICAL SECTION

STA 10+57.00 TO STA 11+47.26
(NOT TO SCALE)

CONSTRUCTION NOTES

1. PAVEMENT BASE COURSE SHALL BE ONE 3" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. WEARING COURSE SHALL BE ONE 2" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. FOLLOW 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. BASE ROCK SHALL BE 10" MIN. 1"–0" CRUSHED QUARRY ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T–180. FOLLOW 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. PORTLAND CEMENT CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI WITHIN 28 DAYS. FOLLOW 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
4. CONCRETE SIDEWALK TO BE 4" THICK PER OREGON STANDARD DRAWING RD720 OVER 4" OF 1"–0" CRUSHED QUARRY ROCK.
5. CONCRETE CURB & GUTTER PER OREGON STANDARD DRAWING RD700. 6" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
6. EXTEND PROPOSED SIDEWALK TO EXISTING BUILDING. PLACE EXPANSION JOINT MATERIAL BETWEEN PROPOSED SIDEWALK AND EXISTING BUILDING OR STRUCTURE.
7. RESTORE LANDSCAPING TO ORIGINAL OR BETTER CONDITION. COORDINATE WITH OWNER FOR LANDSCAPE RESTORATION.
8. GEOTEXTILE SUBGRADE SEPARATION FABRIC TO BE PROPEX GEO–SOLUTIONS GEOTEX 200ST.

LEGEND

EXISTING

- APPROX. PROPERTY LINE (SEE SURVEY)
- CURB
- TOP OF SLOPE
- BOTTOM OF SLOPE
- BOTTOM OF SWALE
- FENCE
- WW — WASTEWATER SEWER
- SD — STORMWATER SEWER
- W — WATER LINE
- G — GAS LINE
- SIGN
- FIRE HYDRANT
- WATER VALVE
- WM — WATER METER
- E — ELECTRIC BOX
- EV — ELECTRIC VAULT
- FENCE POST
- POWER POLE
- STREET LIGHT
- TEL — TELEPHONE VAULT
- T — TELEPHONE RISER
- CURB INLET
- SD — STORMWATER MANHOLE
- WW — WASTEWATER MANHOLE
- CONCRETE SIDEWALK
- GRAVEL
- BUILDING
- DECIDUOUS TREE
- CONIFEROUS TREE

DEMOLITION

- SAWCUT LINE
- TREE TO BE REMOVED

IMPROVEMENTS

- NEW CONCRETE SIDEWALK
- NEW CONCRETE CURB
- NEW CONCRETE DRIVEWAY
- W — NEW WATER LINE
- NEW STORMWATER LINE
- NEW STORMWATER MANHOLE
- NEW SIGN
- NEW FIRE HYDRANT
- NEW WATER VALVE
- NEW WATER METER
- NEW DECIDUOUS STREET TRE
- NEW STREET LIGHT

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revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

Typical Sections and General Notes

sheet: C2

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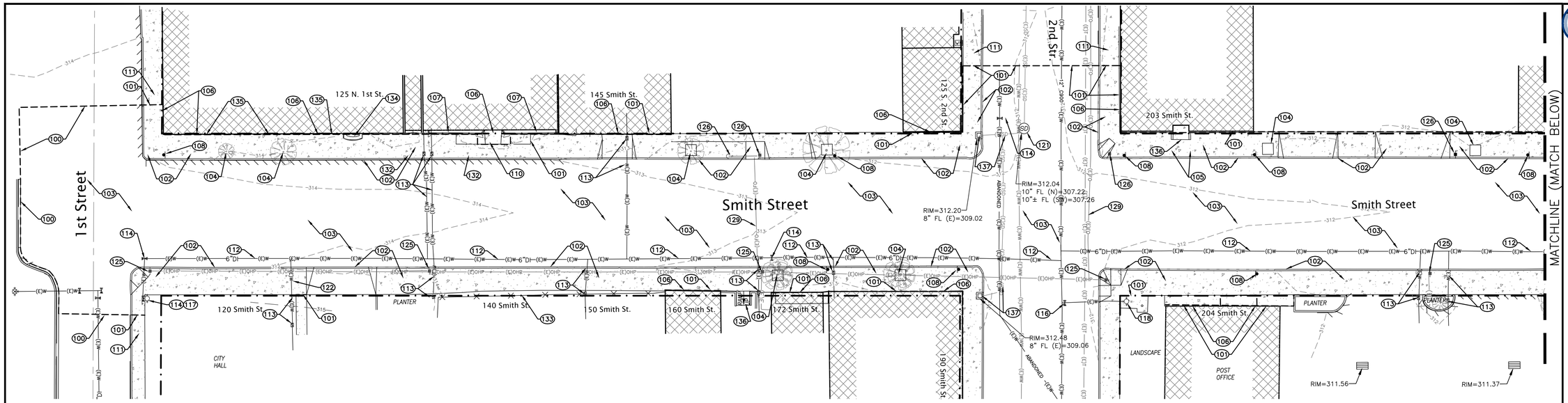


CONSTRUCTION NOTES

100 — SAWCUT EXISTING AC PAVEMENT. PROTECT SAWCUT EDGE FROM DAMAGE.

101 — SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE. SAWCUT AS CLOSE TO BUILDING AS POSSIBLE WITHOUT DAMAGING BUILDING TO REMOVE EXISTING SIDEWALK.

102 — REMOVE EXISTING CONCRETE SIDEWALK (AND RAMPS) AND CONCRETE CURB & GUTTER.

103 — REMOVE EXISTING ASPHALT PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION FINISHED GRADE.

104 — REMOVE EXISTING TREE/VEGETATION (ROOT BALLS AND STUMPS ALSO) AND ASSOCIATED SOIL.

105 — REMOVE EXISTING CANOPY. COORDINATE WITH OWNER FOR REMOVAL AND REINSTALLATION.

106 — PROTECT EXISTING BUILDING.

107 — PROTECT EXISTING BRICK PLANTER.

108 — REMOVE EXISTING SIGN AND POLE. INSTALL NEW SIGN, POST AND FOUNDATION TO LOCATION SHOWN ON STREET IMPROVEMENT PLANS.

109 — REMOVE EXISTING BIKE RACK AND RETURN TO CITY.

110 — PROTECT EXISTING CONCRETE RAMP.

111 — PROTECT EXISTING CONCRETE SIDEWALK.

112 — EXISTING PUBLIC WATER MAIN TO REMAIN IN SERVICE UNTIL NEW PUBLIC WATER MAIN IS CONSTRUCTED AND APPROVED FOR USE.

113 — PROTECT EXISTING WATER METER AND BOX AND KEEP IN SERVICE UNTIL NEW WATER SERVICE AND METER ARE CONSTRUCTED. SEE WATERLINE PLAN SHEET C19 FOR MORE INFORMATION.

114 — REMOVE WATER VALVE BOXES ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.

116 — PROTECT EXISTING WATER VALVES. ADJUST VALVE BOXES AS REQUIRED FOR FINAL PAVING.

117 — PROTECT EXISTING FIRE HYDRANT. EXISTING FIRE HYDRANT TO REMAIN IN PLACE UNTIL NEW HYDRANT IS CONSTRUCTED AND APPROVED.

118 — PROTECT EXISTING FIRE HYDRANT.

119 — REMOVE EXISTING CATCH BASIN. PROTECT EX. STORM PIPE FOR RE-USE.

121 — PROTECT EXISTING STORM MANHOLE RIM. ADJUST AS REQUIRED. REGROUT IF REQUIRED.

122 — REMOVE EXISTING DOWNSPOUT PIPING BACK TO DOWNSPOUT. SEE STREET IMPROVEMENT PLANS FOR INSTALLATION OF NEW DOWNSPOUT PIPING.

123 — PROTECT EXISTING CATCH BASIN AND STORM LINE.

124 — EXISTING POWER POLE TO BE RELOCATED. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160)

125 — EXISTING POWER POLE TO REMAIN. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).

126 — EXISTING POWER POLE TO BE REMOVED. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).

127 — PROTECT EXISTING GAS LINE.

129 — PROTECT EXISTING FIBER OPTIC LINE.

130 — REMOVE EXISTING SIGN AND POLE.

131 — PROTECT EXISTING BOLLARDS.

132 — REMOVE EXISTING UTILITY BOX AND ABANDON EXISTING UTILITY.

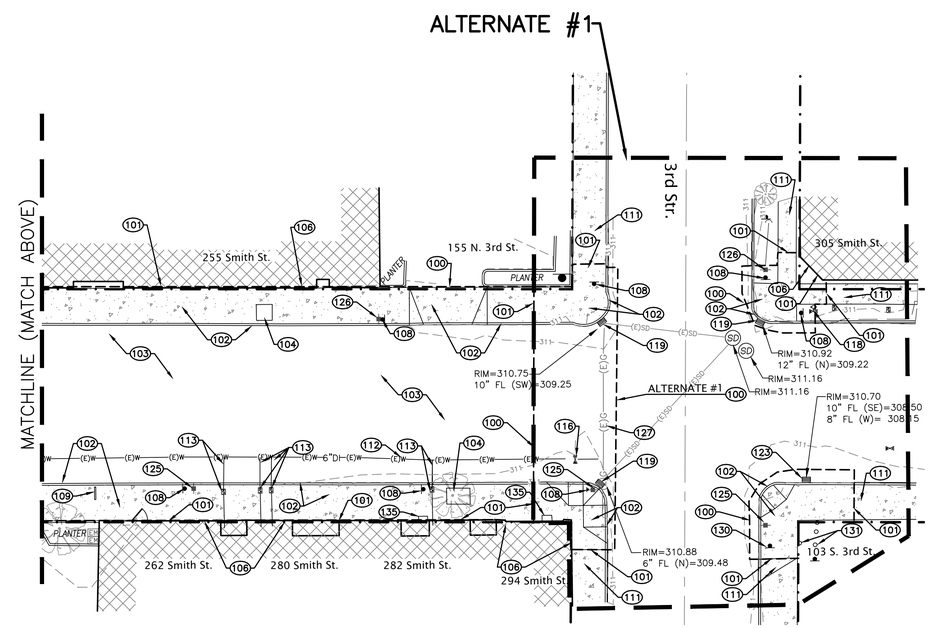
133 — PROTECT EXISTING FENCE.

134 — REMOVE EXISTING CONCRETE STEPS.

135 — PROTECT EXISTING FOUNDATION VENTS.

136 — SAWCUT CONCRETE RAMP AND REMOVE.

137 — REMOVE EXISTING CATCH BASIN AND STORM LINE BACK TO MANHOLE.



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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

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drawn by:	GAM
designer:	GAM
project no:	17-009F

Smith Street
Ex. Conditions
& Demolition
Plan

sheet:

C3

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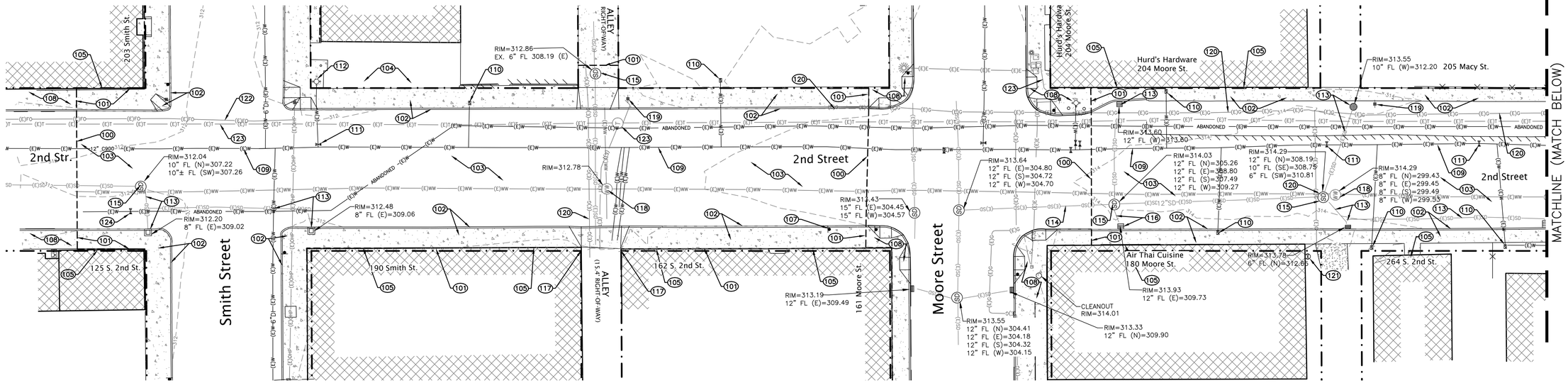

CONSTRUCTION NOTES

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101 — SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.

102 — REMOVE EXISTING CONCRETE SIDEWALK (AND RAMPS) AND CONCRETE CURB & GUTTER.

103 — REMOVE EXISTING ASPHALT PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION FINISHED GRADE.

104 — PROTECT EXISTING LANDSCAPING.

105 — PROTECT EXISTING BUILDING.

106 — PROTECT EXISTING BRICK PLANTER

107 — REMOVE EXISTING SIGN AND POLE. INSTALL NEW SIGN, POST AND FOUNDATION TO LOCATION SHOWN ON STREET IMPROVEMENT PLAN.

108 — PROTECT EXISTING CONCRETE SIDEWALK.

109 — PROTECT EXISTING PUBLIC WATER MAIN.

110 — PROTECT EXISTING WATER METER AND BOX. ADJUST TO FINISHED GRADE AS NECESSARY.

111 — PROTECT EXISTING WATER VALVES. ADJUST VALVE BOXES AS REQUIRED FOR FINAL PAVING.

112 — PROTECT EXISTING FIRE HYDRANT.

113 — REMOVE EXISTING CATCH BASIN AND STORM LINE BACK TO MANHOLE.

114 — EXISTING STORM PIPE TO BE PROTECTED.

115 — PROTECT EXISTING STORM MANHOLE RIM. ADJUST AS REQUIRED. REGROUT IF REQUIRED.

116 — PROTECT EXISTING STORM CATCH BASIN AND STORM LINE. ADJUST AS REQUIRED. REGROUT IF REQUIRED.

117 — REMOVE EXISTING DOWNSPOUT PIPING BACK TO DOWNSPOUT. SEE STREET IMPROVEMENT PLANS FOR INSTALLATION OF NEW DOWNSPOUT PIPING.

118 — PROTECT EXISTING WASTEWATER MANHOLE RIM. ADJUST AS REQUIRED. REGROUT IF REQUIRED.

119 — EXISTING POWER POLE TO REMAIN. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).

120 — PROTECT EXISTING GAS LINE.

121 — PROTECT EXISTING GAS VALVE. ADJUST VALVE BOXES AS REQUIRED FOR FINAL PAVING.

122 — PROTECT EXISTING FIBER OPTIC LINE.

123 — PROTECT EXISTING TELEPHONE LINE.

124 — REMOVE EXISTING VALVE BOX OF ABANDONED WATERLINE.

GRAPHIC SCALE
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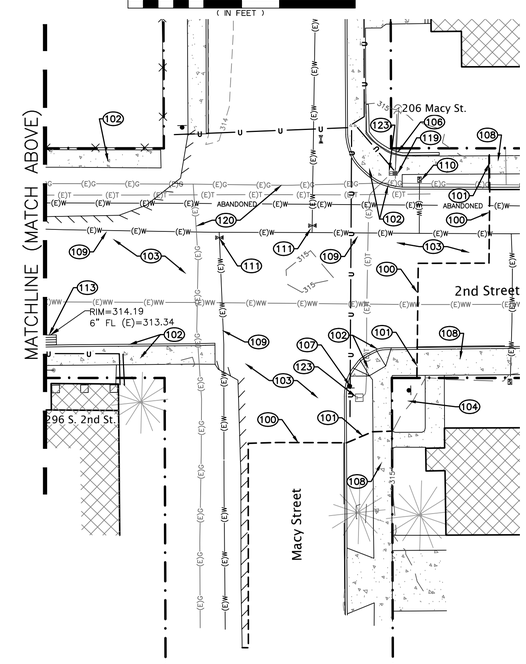

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2nd Street
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C4

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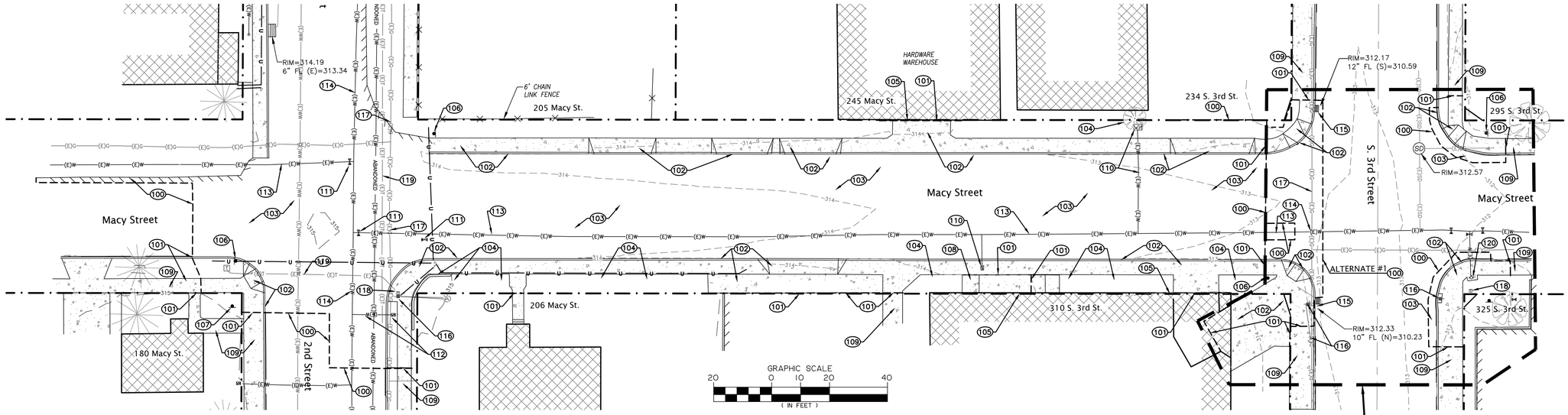

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103 — REMOVE EXISTING ASPHALT PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION FINISHED GRADE.

104 — REMOVE EXISTING RETAINING WALL BLOCKS, LANDSCAPE BOULDERS, LIGHTING AND VEGETATION (ROOT BALLS AND STUMPS ALSO) AND ASSOCIATED SOIL. COORDINATE WITH PROPERTY OWNER FOR SALVAGE.

105 — PROTECT EXISTING BUILDING.

106 — REMOVE EXISTING SIGN AND POLE. INSTALL NEW SIGN, POST AND FOUNDATION TO LOCATION SHOWN ON STREET IMPROVEMENT PLANS.

107 — PROTECT EXISTING SIGN AND POLE.

108 — PROTECT EXISTING CONCRETE RAMP.

109 — PROTECT EXISTING CONCRETE SIDEWALK.

110 — PROTECT EXISTING WATER METER AND BOX AND KEEP IN SERVICE UNTIL NEW WATER SERVICE AND METER ARE CONSTRUCTED. SEE WATERLINE PLAN SHEET C19 FOR MORE INFORMATION.

111 — REMOVE WATER VALVE BOXES ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.

112 — PROTECT AND RELOCATE EXISTING WATER METER AND ADJUST TO FINISHED GRADE OF PROPOSED STREET IMPROVEMENTS.

113 — EXISTING PUBLIC WATER MAIN TO REMAIN IN SERVICE UNTIL NEW PUBLIC WATER MAIN IS CONSTRUCTED AND APPROVED FOR USE.

114 — PROTECT EXISTING WATER.

115 — PROTECT EXISTING STORM CATCH BASIN.

116 — EXISTING POWER POLE AND ANCHOR TO REMAIN. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).

117 — PROTECT EXISTING GAS LINE.

118 — EXISTING TELEPHONE RISER TO BE INSTALLED IN UNDERGROUND VAULT. COORDINATE WORK WITH CENTURY LINK (LUKE PILON 541-484-7827).

119 — PROTECT EXISTING UNDERGROUND TELEPHONE/FIBER OPTICS.

120 — EXISTING FIRE HYDRANT TO BE RELOCATED AS SHOWN ON SHEET C20.

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Macy Street
Ex. Conditions
& Demolition
Plan

sheet:

C5

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CONSTRUCTION NOTES

200 — ADJUST EXISTING WATER VALVE BOXES TO PROPOSED FINISHED GRADE.

400 — CONSTRUCT 48" CONCRETE STORM MANHOLE PER ODOT STD DWG RD335. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

401 — CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

402 — FURNISH AND INSTALL 12" PVC D3034 STORM LINE. CLASS B BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300.

403 — CONTRACTOR TO POT HOLE EXISTING UTILITY AND CONFIRM LOCATION, MATERIAL, SIZE AND DEPTH. NOTIFY ENGINEER IF DISCREPANCIES ARE DISCOVERED.

405 — ABANDON EXISTING 12" STORM LINE IN PLACE.

407 — FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CONNECT TO EXISTING USING APPROPRIATE FITTINGS.

501 — PROPOSED STREET LIGHTING PER SHEETS C22-C24 AND PACIFIC POWER AND LIGHTING (PP&L) COORDINATE WITH PP&L. CONTACT ELKE VATH 541-967-6160.

502 — REPLACE EXISTING POLE MOUNTED STREET LIGHT ON EXISTING POLE WITH NEW POLE MOUNTED STREET LIGHT ON EXISTING POLE TO REMAIN. POLE MOUNTED STREET LIGHT TO MATCH GROUND MOUNTED STREET LIGHT. CONTACT ELKE VATH AT 541-967-6160.

600 — CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER TYPICAL SECTIONS, SHEET C2.

601 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD745 OPTION K. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.

602 — CONSTRUCT CURB RETURN WITH ADA RAMPS. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEETS C11 & C12 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.

603 — CONSTRUCT 6" HIGH, 10" WIDE AND 3' LONG CONCRETE STEP FOR ENTRANCE TO EXISTING BUILDING. SEE DETAIL 1, SHEET C26.

604 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STANDARD DRAWING RD302.

605 — FURNISH AND INSTALL 4'X4' TREE WELL AND 2.5" CALIPER TREE PER TREE WELL DETAIL, SHEET C25. INSTALL TREE WELL GRATE AND FRAME PER MANUFACTURER'S RECOMMENDATIONS.

606 — PLACE EXPANSION JOINT ALONG EXISTING BUILDINGS OR STRUCTURES THAT SIDEWALK WILL ABUT AGAINST. SEE DETAIL 3, SHEET C26.

607 — CONSTRUCT CONCRETE RAMP TO EXISTING DOOR. 4" THICK CONCRETE.

608 — SAWCUT EXISTING RAMP AT LOCATION INDICATED AND NEW SIDEWALK TO MATCH EXISTING RAMP. MODIFY RAMP AND EXISTING HAND RAILS AS REQUIRED.

900 — CONTRACTOR TO INSTALL NEW 30"X30" ALUMINUM STOP SIGN PER MUTCD R1-1 AND STREET SIGNS PER MUTCD D3-1 ON 2"-12 GAUGE P.S.S.T. POST PER OREGON STANDARD DRAWINGS TM200, TM223, TM681 AND TM687.

901 — CONTRACTOR TO INSTALL NEW "NO U-TURN" SIGN PER MUTCD R3-4 ON SAME POST AS STOP SIGN. NO U-TURN SIGN TO FACE EAST.

904 — CONTRACTOR TO FURNISH AND INSTALL ONE FOOT WIDE, WHITE BH-5 THERMOPLASTIC STOP BAR BY LANE WIDTH SHOWN PER OREGON STANDARD DRAWINGS TM503 AND TM530.

CURB RETURN DATA

DESC.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
RADIUS	10.00'	10.00'	15.00	15.00'	20.00'	15.00'	15.00'	20.00'	15.00'	15.00'	20.00'	15.00'	15.00'	20.00'	15.00'
LENGTH	15.69'	15.71'	11.81'	8.91'	38.05'	11.00'	8.91'	58.72'	11.63'	11.93'	59.13'	8.91'	8.91'	58.89'	11.63'
DELTA	89.8956°	90.0000°	45.1074°	34.0477°	166.3081°	42.0246°	34.0477°	168.2273°	44.4153°	45.5730°	169.3850°	34.0477°	34.0477°	168.6988°	44.4153°
PC/PCC/PRC STA	CL STA 6+77.92 (1ST STR)	CL STA 6+21.94 (1ST STR)	CL STA 6+08.99 (1ST STR)	CL STA 3+98.27 (SMITH STR)	CL STA 4+06.67 (SMITH STR)	CL STA 6+95.52 (2ND STR)	CL STA 3+98.54 (SMITH STR)	CL STA 4+06.93 (SMITH STR)	CL STA 6+04.13 (2ND STR)	CL STA 5+01.46 (SMITH STR)	CL STA 4+93.07 (SMITH STR)	CL STA 6+96.15 (2ND STREET)	CL STA 5+01.73 (SMITH STR)	CL STA 4+93.35 (SMITH STR)	CL STA 6+03.87 (2ND STR)
PC/PCC/PRC OFFSET	13.89' L	13.77' L	18.04' L	18.00' R	15.43' R	17.14' R	18.00' L	15.43' L	17.71' R	18.00' R	15.43' R	18.00' L	18.00' L	15.40' L	17.71' L
PC/PCC/PRC TC ELEV	314.89	314.74	314.18	312.77	312.71	312.81	312.77	312.71	312.28	312.33	312.38	312.71	312.33	312.37	312.28
1/4 Δ TC ELEV	314.87	314.76	314.72	–	312.82	–	–	312.61	–	–	312.46	–	–	312.45	–
1/2 Δ TC ELEV	314.85	314.78	314.70	312.74	312.92	312.79	312.74	312.50	312.23	312.36	312.55	312.75	312.35	312.52	312.23
3/4 Δ TC ELEV	314.84	314.80	314.69	–	312.88	–	–	312.39	–	–	312.62	–	–	312.41	–
PT/PCC/PRC TC ELEV	314.82	314.82	314.73	312.71	312.81	312.81	312.71	312.28	312.17	312.38	312.71	312.79	312.37	312.28	312.17
PT/PCC/PRC STA	CL STA 1+15.16 (SMITH STR)	CL STA 1+15.27 (SMITH STR)	CL STA 6+19.55 (1ST STR)	CL STA 4+06.67 (SMITH STR)	CL STA 6+95.52 (2ND STR)	CL STA 7+05.56 (2ND STR)	CL STA 4+06.93 (SMITH STR)	CL STA 6+04.13 (2ND STR)	CL STA 5+93.64 (2ND STR)	CL STA 4+93.07 (SMITH)	CL STA 6+96.15 (2ND STR)	CL STA 7+06.86 (2ND STR)	CL STA 4+93.35 (SMITH STR)	CL STA 6+03.87 (2ND STR)	CL STA 5+93.37 (2ND STR)
PT/PCC/PRC OFFSET	18.00' R	18.00' L	13.76' L	15.43' R	17.14' R	21.00' R	15.43' L	17.71' R	22.00' R	15.43' R	18.00' L	22.50' L	15.40' L	17.71' L	22.00' L

TC NOTE:
TOP OF CURB ELEVATIONS IN TABLE ABOVE ASSUME SIX INCHES OF CURB EXPOSURE REGARDLESS OF BEING IN ADA RAMP. FOR EXACT ELEVATIONS SEE ADA RAMP DETAILS INCLUDED IN THIS PLAN SET.

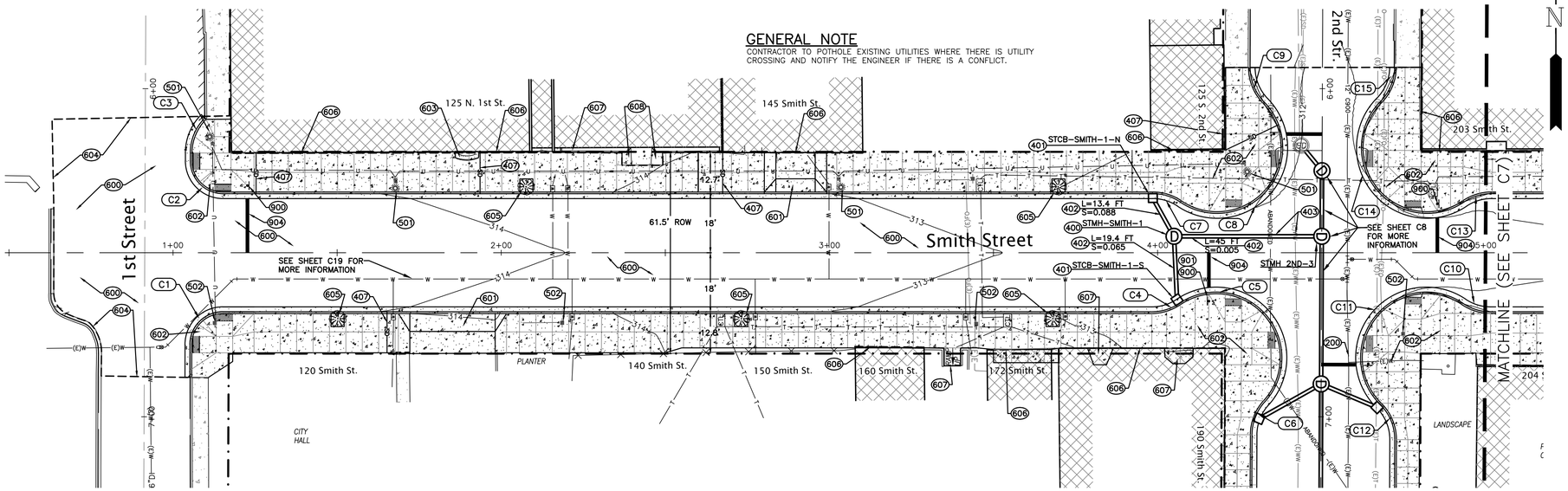
ABBREVIATIONS

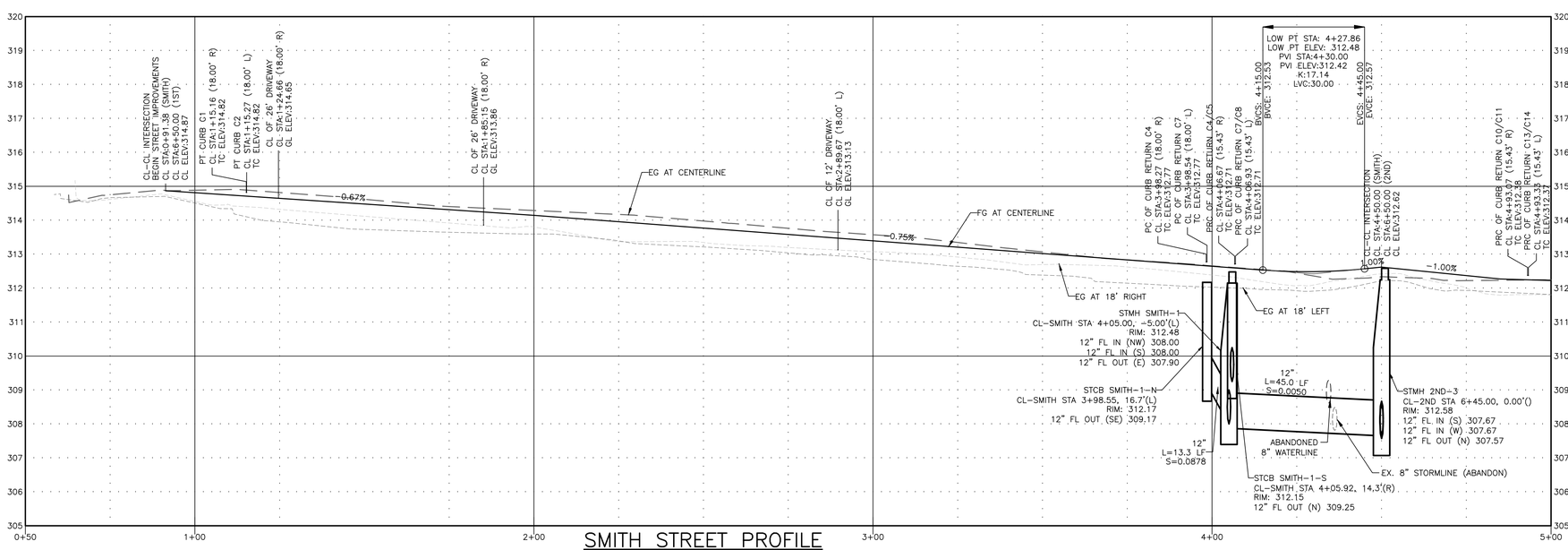
GL: GUTTER LINE
TC: TOP OF CURB
C: CONCRETE
FG: FINISHED GRADE
CL: CENTERLINE
STA: STATION
STR: STREET
PC: POINT OF CURVATURE
PT: POINT OF TANGENCY
PRC: POINT OF REVERSE CURVE
PCC: POINT OF COMPOUND CURVE
L: LEFT
R: RIGHT
ELEV: ELEVATION

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFICT.





SMITH STREET PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER
EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation

Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

Smith Street
Plan & Profile
Sta 0+00 to 5+00

sheet: C6

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CONSTRUCTION NOTES

400 — CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS. CONSTRUCT OVER EXISTING PIPE.

401 — CONTRACTOR TO POT HOLE EXISTING UTILITY AND CONFIRM LOCATION, MATERIAL, SIZE AND DEPTH. NOTIFY ENGINEER IF DISCREPANCIES ARE DISCOVERED.

402 — EXISTING STORM LINE TO REMAIN IN SERVICE.

403 — ABANDON EXISTING 12" STORM LINE IN PLACE.

404 — EXISTING STORM MANHOLE LID TO BE ADJUST TO PROPOSED FINISHED GRADE.

405 — FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CONNECT TO EXISTING ROOF DRAINS USING APPROPRIATE COUPLINGS AND FITTINGS.

501 — PROPOSED STREET LIGHTING PER SHEET C22 AND PACIFIC POWER AND LIGHTING (PP&L) COORDINATE WITH PP&L. CONTACT ELKE VATH AT 541-967-6160.

502 — REPLACE EXISTING POLE MOUNTED STREET LIGHT ON EXISTING POLE WITH NEW POLE MOUNTED STREET LIGHT ON EXISTING POLE TO REMAIN. POLE MOUNTED STREET LIGHT TO MATCH GROUND MOUNTED STREET LIGHT. CONTACT ELKE VATH AT 541-967-6160.

600 — CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER TYPICAL SECTIONS, SHEET C2.

601 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD745 OPTION K. PLACE 6" MINIMUM THICKNESS OF 1'-0" CRUSHED QUARRY ROCK.

602 — CONSTRUCT CURB RETURN WITH ADA RAMPS. PLACE 4" MINIMUM THICKNESS OF 1'-0" CRUSHED QUARRY ROCK. SEE SHEET C14 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.

603 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STANDARD DRAWING RD302.

604 — FURNISH AND INSTALL 4'X4' TREE WELL AND 2.5" CALIPER TREE PER TREE WELL DETAIL 2, SHEET C26. INSTALL TREE WELL GRATE AND FRAME PER MANUFACTURER'S RECOMMENDATIONS.

605 — PLACE EXPANSION JOINT ALONG EXISTING BUILDINGS OR STRUCTURES THAT SIDEWALK WILL ABUT AGAINST. SEE DETAIL 3, SHEET C26.

606 — CONSTRUCT CONCRETE RAMP TO EXISTING DOOR. 4" THICK CONCRETE.

607 — CONTRACTOR TO REUSE FOUNDATION WELL GRATES.

608 — CONTRACTOR TO MATCH EXISTING PAVEMENT SECTION WHEN RE-PAVING NEAR ADA RAMPS.

900 — CONTRACTOR TO INSTALL NEW 30"X30" ALUMINUM STOP SIGN PER MUTCD R1-1 AND STREET SIGNS ON 2"-12 GAUGE P.S.S.T. POST PER OREGON STANDARD DRAWINGS TM200, TM 223, TM681 AND TM687.

901 — CONTRACTOR TO INSTALL NEW "15 MINUTE PARKING 6AM TO 9PM" SIGN PER MUTCD R7-108 ON 2"-12 GAUGE P.S.S.T POST PER OREGON STANDARD DRAWINGS TM200, TM681 AND TM687.

902 — CONTRACTOR TO INSTALL NEW "2 HOUR PARKING 9AM TO 6PM" SIGN PER MUTCD R7-108 ON 2"-12 GAUGE P.S.S.T POST PER OREGON STANDARD DRAWINGS TM200, TM681 AND TM687.

903 — CONTRACTOR TO INSTALL NEW 18"X15" "DOWNTOWN PARKING" SIGN WITH LEFT ARROW PER MUTCD D4-1 ON 2"-12 GAUGE P.S.S.T POST PER OREGON STANDARD DRAWINGS TM200, TM681 AND TM687.

904 — CONTRACTOR TO FURNISH AND INSTALL ONE FOOT WIDE, WHITE BH-5 THERMOPLASTIC STOP BAR BY LANE WIDTH SHOWN PER OREGON STANDARD DRAWINGS TM503 AND TM530.

CURB RETURN DATA

DESC.	C16	C17	C18	C19
RADIUS	10.00'	10.00'	10.00'	10.00'
LENGTH	15.80'	15.80'	15.63'	15.81'
DELTA	90.5324°	90.5509°	89.5580°	90.5636°
PC/PCC/PRC STA	CL STA 7+81.52 (SMITH STR)	CL STA 7+81.65 (SMITH STR)	CL STA 8+41.14 (SMITH STR)	CL STA 8+39.31 (SMITH STR)
PC/PCC/PRC OFFSET	18.00' R	18.00' L	20.15' R	21.71' L
PC/PCC/PRC TC ELEV	311.38	311.38	311.13	311.54
1/4 Δ TC ELEV	311.37	311.36	311.19	311.52
1/2 Δ TC ELEV	311.35	311.34	311.24	311.50
3/4 Δ TC ELEV	311.37	311.34	311.29	311.52
PT/PCC/PRC TC ELEV	311.39	311.36	311.35	311.54
PT/PCC/PRC STA	CL STA 1001+28.18 (3RD STR)	CL STA 1000+71.99 (3RD STR)	CL STA 1001+29.94 (3RD STR)	CL STA 1000+68.16 (3RD STR)
PT/PCC/PRC OFFSET	20.17' R	20.27' R	19.41' L	17.33' L

TC NOTE:
TOP OF CURB ELEVATIONS IN TABLE ABOVE ASSUME SIX INCHES OF CURB EXPOSURE REGARDLESS OF BEING IN ADA RAMP. FOR EXACT ELEVATIONS SEE ADA RAMP DETAILS INCLUDED IN THIS PLAN SET.

ABBREVIATIONS

GL: GUTTER LINE
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C: CONCRETE
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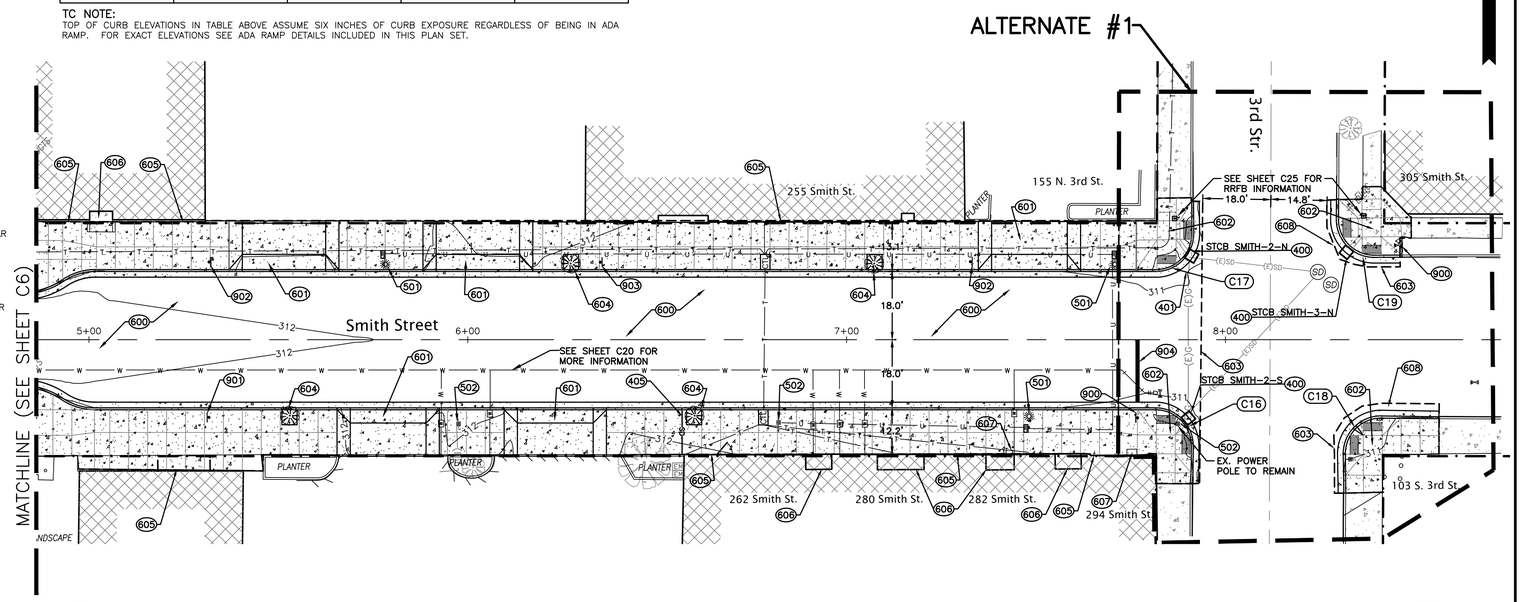
CL: CENTERLINE
STA: STATION
STR: STREET
PC: POINT OF CURVATURE
PT: POINT OF TANGENCY
PRC: POINT OF REVERSE CURVE
PCC: POINT OF COMPOUND CURVE
L: LEFT
R: RIGHT
ELEV: ELEVATION

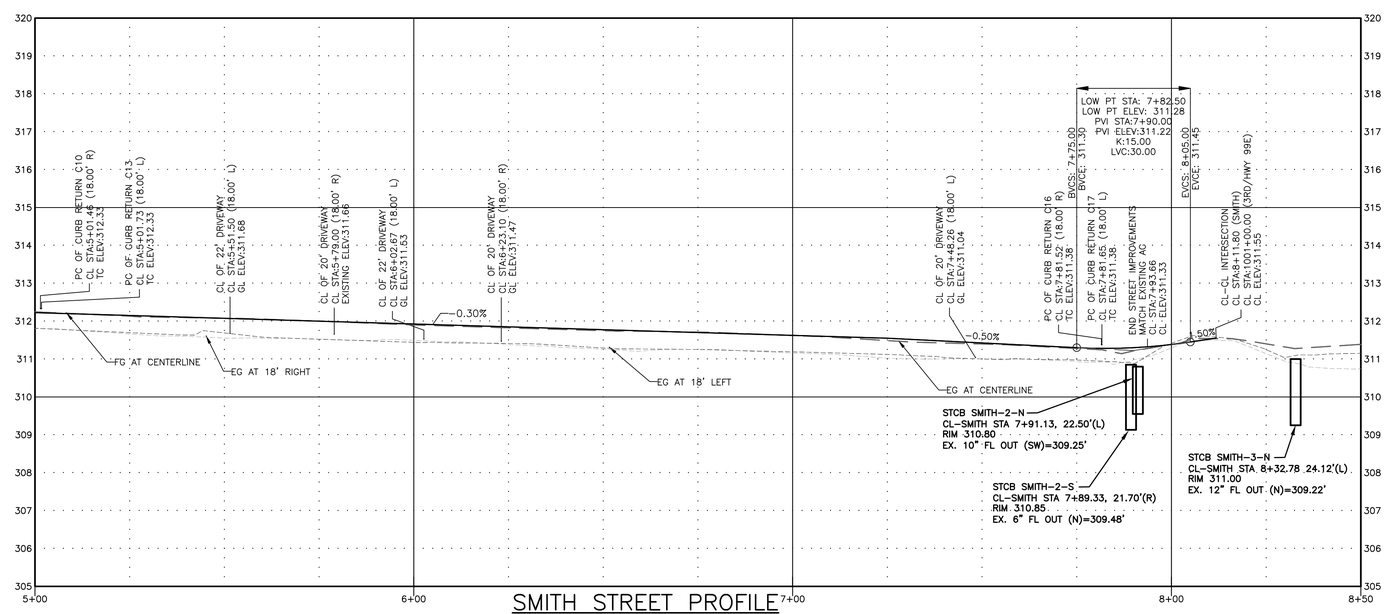
GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

N





SMITH STREET PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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EXPIRES: DECEMBER 31, 2020

project title:

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Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

date: JANUARY 28, 2020
drawn by: GAM
designer: GAM
project no: 17-009F

Smith Street
Plan & Profile
STA 5+00 to 8+50

sheet: C7

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CONSTRUCTION NOTES

200 — ADJUST EXISTING WATER VALVE BOXES TO PROPOSED FINISHED GRADE.

201 — ADJUST EXISTING WATER METER BOXES TO PROPOSED FINISHED GRADE.

400 — CONSTRUCT 48" CONCRETE STORM MANHOLE PER ODOT STD DWG RD335. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

401 — CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

403 — CONSTRUCT AREA DRAINAGE BASIN PER ODOT STANDARD DRAWING RD374.

404 — FURNISH AND INSTALL 12" PVC D3034 STORM LINE. CLASS B BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300.

405 — CONTRACTOR TO POT HOLE EXISTING UTILITY AND CONFIRM LOCATION, MATERIAL, SIZE AND DEPTH. NOTIFY ENGINEER IF DISCREPANCIES ARE DISCOVERED.

406 — EXISTING STORM LINE TO REMAIN IN SERVICE.

407 — EXISTING MANHOLE LID TO BE ADJUST TO PROPOSED FINISHED GRADE.

408 — FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CONNECT TO EXISTING ROOF DRAINS USING APPROPRIATE COUPLINGS AND FITTINGS.

409 — CORE DRILL EXISTING MANHOLE TO ACCEPT NEW 12" STORM PIPE AND GROUT WITH NON-SHRINK GROUT.

501 — PROPOSED STREET LIGHTING PER SHEET C23 AND PACIFIC POWER AND LIGHTING (PP&L) COORDINATE WITH PP&L. CONTACT ELKE VATH 541-967-6160.

504 — ADJUST TELEPHONE MANHOLE RIM TO FINISHED GRADE.

600 — CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER TYPICAL SECTIONS, SHEET C2.

601 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD750 OPTION M. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.

602 — CONSTRUCT CURB RETURN WITH ADA RAMPS. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEET C12 & C13 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.

603 — CONSTRUCT 6" THICK CONCRETE SLAB TO MATCH EXISTING CONCRETE SURFACE AND BACK OF NEW DRIVEWAY. SEE DETAIL 4, SHEET C26.

604 — CONSTRUCT 6" HIGH, 10" WIDE AND 3' LONG CONCRETE STEP FOR ENTRANCE TO EXISTING BUILDING. SEE DETAIL 1, SHEET C26.

605 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STANDARD DRAWING RD302.

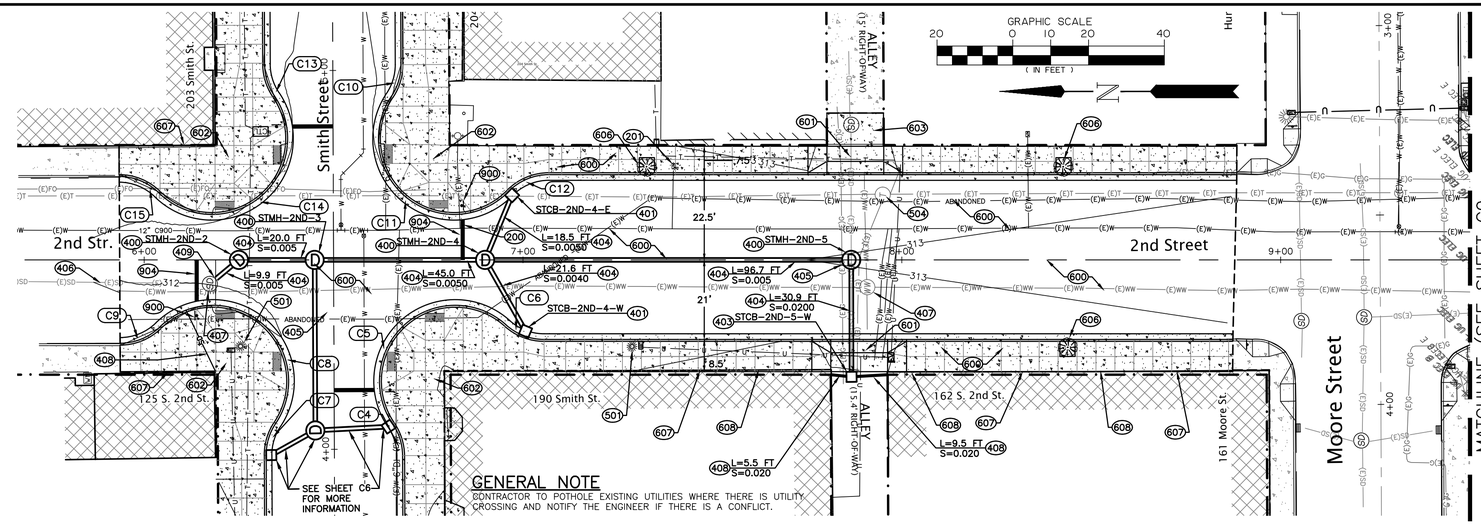
606 — FURNISH AND INSTALL 4'X4' TREE WELL AND TREE PER TREE WELL DETAIL, SHEET C2. INSTALL TREE WELL GRATE AND FRAME PER MANUFACTURER'S RECOMMENDATIONS. INSTALL 2.5" CALIPER TREE PER THE TREE WELL DETAIL 2, SHEET C26.

607 — PLACE EXPANSION JOINT ALONG EXISTING BUILDINGS OR STRUCTURES THAT SIDEWALK WILL ABUT AGAINST. SEE DETAIL 3, SHEET C26.

608 — CONSTRUCT CONCRETE RAMP TO EXISTING DOOR. 4" THICK CONCRETE.

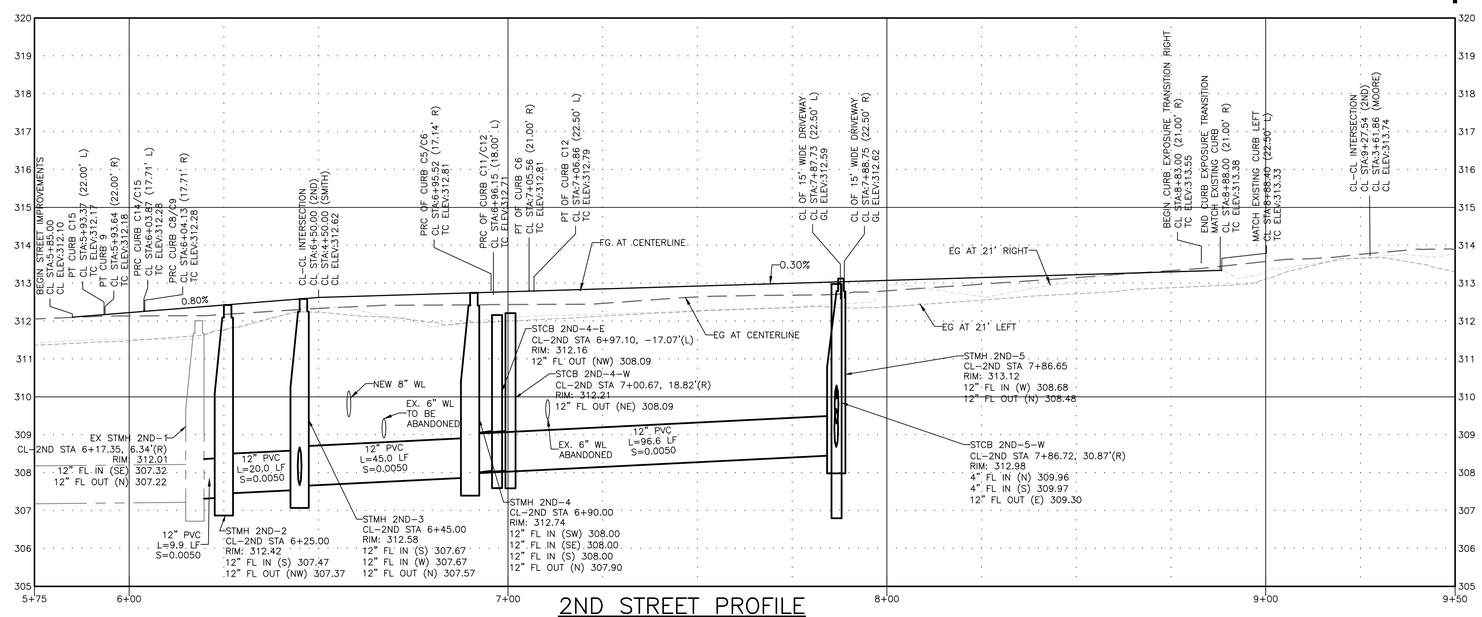
900 — CONTRACTOR TO INSTALL NEW 30"X30" ALUMINUM STOP SIGN PER MUTCD R1-1 AND STREET SIGNS ON 2"-12 GAUGE P.S.S.T. POST PER OREGON STANDARD DRAWINGS TM200, TM 223, TM681 AND TM687.

904 — CONTRACTOR TO FURNISH AND INSTALL ONE FOOT WIDE, WHITE BH-5 THERMOPLASTIC STOP BAR BY LANE WIDTH SHOWN PER OREGON STANDARD DRAWINGS TM503 AND TM530.



GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.



2ND STREET PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER

EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation

Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

2nd Street
Plan & Profile
STA 5+75 to 9+50

sheet:

C8

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CONSTRUCTION NOTES

200 — ADJUST EXISTING WATER VALVE BOXES TO PROPOSED FINISHED GRADE.

201 — ADJUST EXISTING WATER METER TO PROPOSED FINISHED GRADE.

300 — ADJUST EXISTING WASTEWATER MANHOLE LID TO PROPOSED FINISHED GRADE.

400 — CORE DRILL EXISTING STORM MANHOLE AND CONNECT NEW STORM LINE USING NON-SHRINK GROUT.

401 — CONSTRUCT 48" CONCRETE STORM MANHOLE PER ODOT STD DWG RD335. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

402 — EXISTING STORM MANHOLE LID TO BE ADJUSTED TO PROPOSED FINISHED GRADE.

403 — CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

404 — CONSTRUCT G-2 CONCRETE CATCH BASIN OVER EXISTING STORM LINE PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

405 — ADJUST EXISTING CATCH BASIN RIM TO FINISHED GRADE.

406 — FURNISH AND INSTALL 12" PVC D3034 STORM LINE. LENGTH AND SLOPE PER PLAN. CLASS B BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300.

407 — FURNISH AND INSTALL 8" PVC C-900 STORM LINE. LENGTH AND SLOPE PER PLAN. CLASS B BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300.

408 — FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CONNECT TO EXISTING ROOF DRAINS USING APPROPRIATE COUPLINGS AND FITTINGS.

409 — EXISTING STORM LINE TO REMAIN IN SERVICE.

500 — CONTRACTOR TO POT HOLE EXISTING UTILITY AND CONFIRM LOCATION, MATERIAL, SIZE AND DEPTH. NOTIFY ENGINEER IF DISCREPANCIES ARE DISCOVERED PRIOR TO ORDERING CATCH BASINS AND MANHOLES.

501 — PROPOSED STREET LIGHTING PER SHEET C23 AND PACIFIC POWER AND LIGHTING (PP&L) COORDINATE WITH PP&L. CONTACT ELKE VATH 541-967-6160.

600 — CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER TYPICAL SECTIONS, SHEET C2.

601 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD745 OPTION K. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.

602 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD745 OPTION L. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.

603 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD750 OPTION N. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.

604 — CONSTRUCT CURB RETURN WITH ADA RAMPS. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEET C15 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.

605 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STANDARD DRAWING RD302.

606 — FURNISH AND INSTALL 4'X4' TREE WELL AND 2.5" CALIPER TREE PER TREE WELL DETAIL 2, SHEET C26. INSTALL TREE WELL GRATE AND FRAME PER MANUFACTURER'S RECOMMENDATIONS.

607 — PLACE EXPANSION JOINT ALONG EXISTING BUILDINGS THAT SIDEWALK WILL ABUT AGAINST. SEE DETAIL 3, SHEET C26.

608 — CONSTRUCT CONCRETE RAMP TO EXISTING DOOR. 4" THICK CONCRETE.

609 — CONTRACTOR TO EXTEND SIDEWALK TO EXISTING CONCRETE STEP.

610 — CONTRACTOR TO RECONSTRUCT EXISTING CONCRETE PAVERS TO MATCH NEW SIDEWALK. COORDINATE WITH PROPERTY OWNER.

GENERAL NOTE

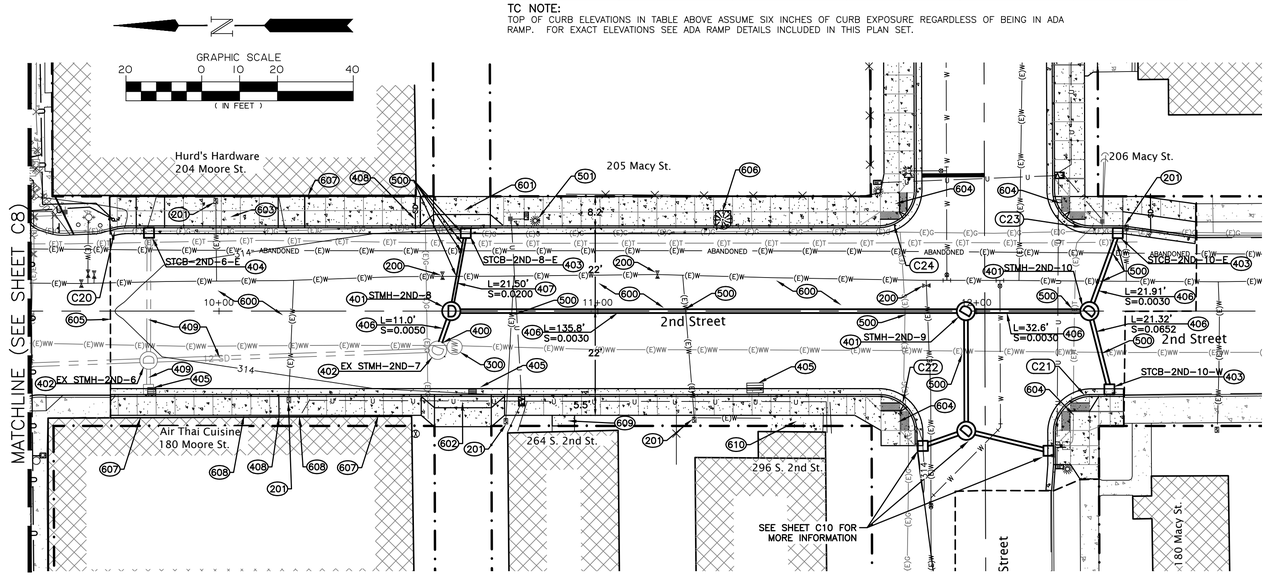
CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.

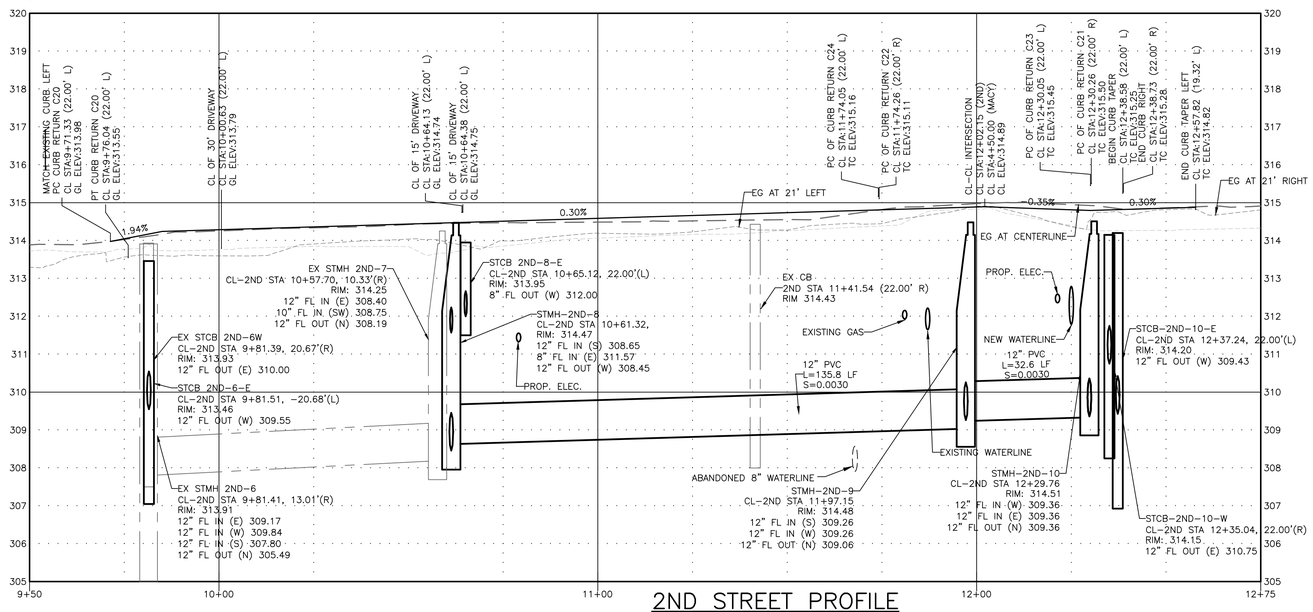
CURB RETURN DATA

DESC.	C20	C21	C22	C23	C24
RADIUS	15.00'	10.00'	10.00'	10.00'	10.00'
LENGTH	4.75'	15.74'	15.67'	15.67'	15.74'
DELTA	18.1597°	90.1890°	89.8110°	89.8110°	90.1890°
PC/PCC/PRC STA	CL STA 9+71.36 (2ND STR)	CL STA 12+32.23 (2ND STR)	CL STA 11+74.26 (2ND STR)	CL STA 12+30.05 (2ND STR)	CL STA 11+74.05 (2ND STR)
PC/PCC/PRC OFFSET	21.25' L	22.00' R	22.00' R	22.00' L	22.00' L
PC/PCC/PRC TC ELEV	313.70	314.67	314.79	314.71	314.80
1/4 Δ TC ELEV	–	314.63	314.72	314.69	314.75
1/2 Δ TC ELEV	–	314.60	314.65	314.66	314.71
3/4 Δ TC ELEV	–	314.57	314.58	314.64	314.67
PT/PCC/PRC TC ELEV	314.05	314.54	314.50	314.62	314.63
PT/PCC/PRC STA	CL STA 9+76.04 (2ND STR)	CL STA 4+17.91 (MACY STR)	CL STA 4+18.09 (MACY STR)	CL STA 4+81.91 (MACY STR)	CL STA 4+82.09 (MACY STR)
PT/PCC/PRC OFFSET	22.00' L	18.00' R	18.00' L	18.00' R	18.00' L

TC NOTE:
TOP OF CURB ELEVATIONS IN TABLE ABOVE ASSUME SIX INCHES OF CURB EXPOSURE REGARDLESS OF BEING IN ADA RAMP. FOR EXACT ELEVATIONS SEE ADA RAMP DETAILS INCLUDED IN THIS PLAN SET.

ABBREVIATIONS
GL: GUTTER LINE
TC: TOP OF CURB
C: CONCRETE
FG: FINISHED GRADE
CL: CENTERLINE
STA: STATION
STR: STREET
PC: POINT OF CURVATURE
PT: POINT OF TANGENCY
PRC: POINT OF REVERSE CURVE
PCC: POINT OF COMPOUND CUR
L: LEFT
R: RIGHT
ELEV: ELEVATION





2ND STREET PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER

EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation

Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

2nd Street
Plan & Profile
STA 9+50 to 12+75

sheet:

C9

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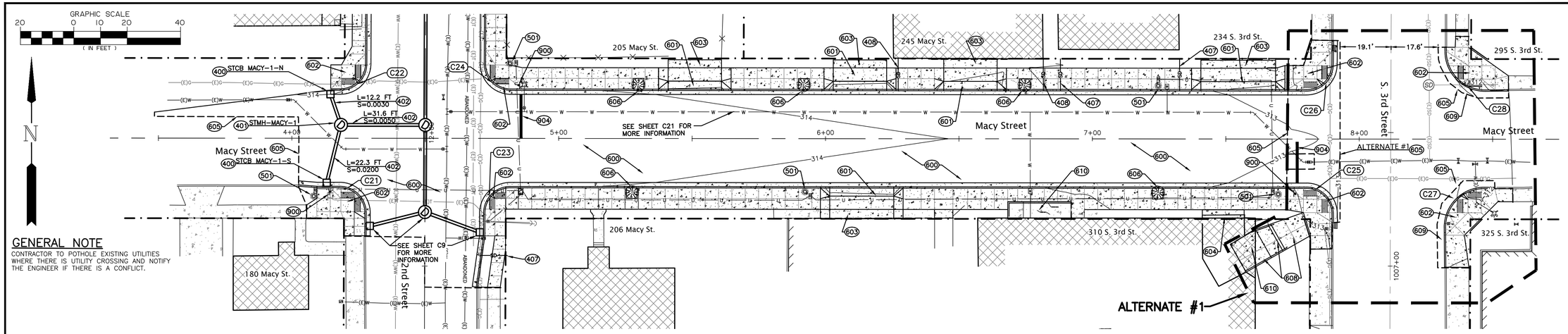
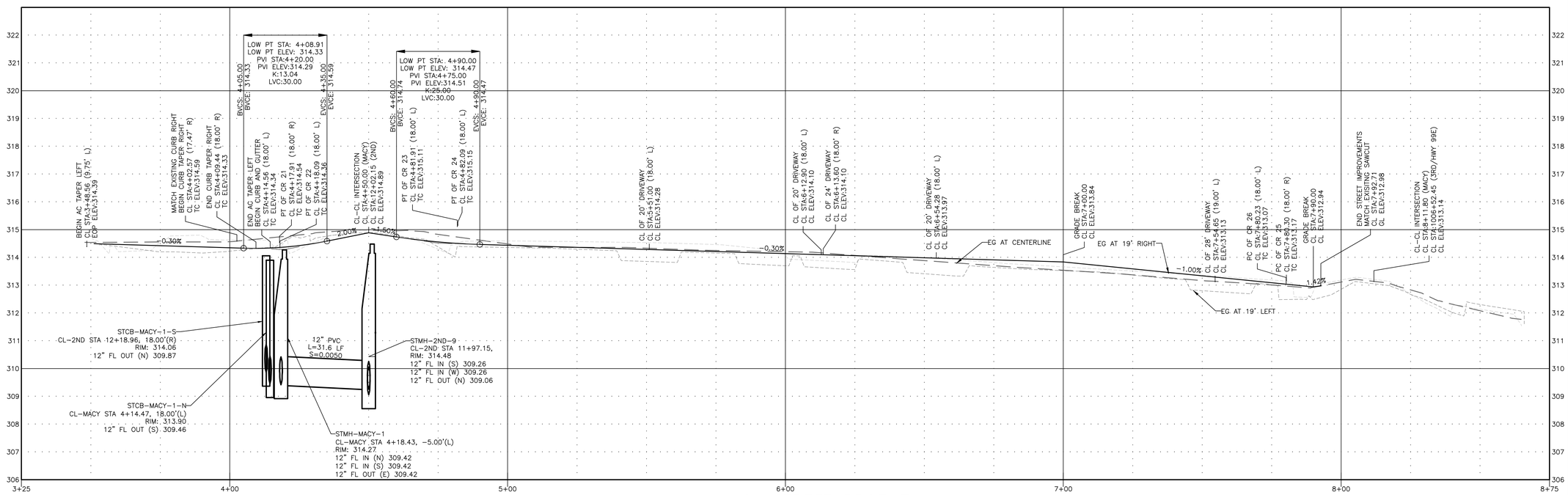


GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.



MACY STREET PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

CURB RETURN DATA

DESC.	C25	C26	C27	C28
RADIUS	10.00'	10.00'	15.00'	23.68'
LENGTH	15.52'	15.67'	23.71'	15.00'
DELTA	88.9160°	89.4276°	90.5570°	90.4665°
PC/PCC/PRC STA	CL STA 7+80.30 (MACY STR)	CL STA 7+80.23 (MACY STR)	CL STA 1006+85.50 (3RD STR)	CL STA 1006+19.48 (3RD STR)
PC/PCC/PRC OFFSET	18.00' R	18.00' L	20.20' L	20.20' L
PC/PCC/PRC TC ELEV	313.17	313.07	312.82	312.66
1/4 Δ TC ELEV	313.15	313.00	312.59	312.57
1/2 Δ TC ELEV	313.14	312.93	312.49	312.48
3/4 Δ TC ELEV	313.10	312.86	312.32	312.39
PT/PCC/PRC TC ELEV	313.05	312.79	312.21	312.32
PT/PCC/PRC STA	CL STA 1006+80.33 (3RD STR)	CL STA 1006+24.62 (3RD STR)	CL STA 8+46.93 (MACY STR)	CL STA 8+47.25 (MACY STR)
PT/PCC/PRC OFFSET	21.41' R	21.63' R	18.00' R	18.00' L

TC NOTE:
TOP OF CURB ELEVATIONS IN TABLE ABOVE ASSUME SIX INCHES OF CURB EXPOSURE REGARDLESS OF BEING IN ADA RAMP. FOR EXACT ELEVATIONS SEE ADA RAMP DETAILS INCLUDED IN THIS PLAN SET.

ABBREVIATIONS

GL: GUTTER LINE
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PRC: POINT OF REVERSE CURVE
PCC: POINT OF COMPOUND CURVE
L: LEFT
R: RIGHT
ELEV: ELEVATION

CONSTRUCTION NOTES

400 — CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

401 — CONSTRUCT 48" CONCRETE STORM MANHOLE PER ODOT STD DWG RD335. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

402 — FURNISH AND INSTALL 12" PVC D3034 STORM LINE. CLASS B BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300.

407 — FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CAP AT R.O.W.

408 — FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CONNECT TO EXISTING ROOF DRAINS USING APPROPRIATE COUPLINGS AND FITTINGS.

501 — PROPOSED STREET LIGHTING PER SHEET C20 AND PACIFIC POWER AND LIGHTING (PP&L) COORDINATE WITH PP&L. CONTACT ELKE VATH 541-967-6160.

600 — CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER TYPICAL SECTIONS, SHEET C2.

601 — CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD745 OPTION K. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.

602 — CONSTRUCT CURB RETURN WITH ADA RAMPS. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEET C15 & C16 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.

603 — CONSTRUCT 6" THICK CONCRETE SLAB TO MATCH EXISTING CONCRETE SURFACE AND BACK OF NEW DRIVEWAY. SEE DETAIL 4, SHEET C26.

604 — CONSTRUCT 6" HIGH, 12" WIDE AND 16' LONG CONCRETE STEP FOR ENTRANCE TO EXISTING BUILDING. SEE DETAIL 1, SHEET C26.

605 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STANDARD DRAWING RD302.

606 — FURNISH AND INSTALL 4'X4' TREE WELL AND 2.5" CALIPER TREE PER TREE WELL DETAIL 2, SHEET C26. INSTALL TREE WELL GRATE AND FRAME PER MANUFACTURER'S RECOMMENDATIONS.

608 — CONSTRUCT 4" THICK CONCRETE SIDEWALK WITH STAIRS AND HANDRAILS PER SHEET C18.

609 — CONTRACTOR TO MATCH EXISTING PAVEMENT SECTION WHEN RE-PAVING NEAR ADA RAMPS.

610 — SAWCUT EXISTING RAMP AT LOCATION INDICATED AND NEW SIDEWALK TO MATCH EXISTING RAMP. CONTRACTOR TO INSTALL NEW HANDRAIL PER SHEET 18.

900 — CONTRACTOR TO INSTALL NEW 30"X30" ALUMINUM STOP SIGN PER MUTCD R1-1 AND STREET SIGNS ON 2"-12 GAUGE P.S.S.T. POST PER OREGON STANDARD DRAWINGS TM200, TM 223, TM681 AND TM687.

904 — CONTRACTOR TO FURNISH AND INSTALL ONE FOOT WIDE, WHITE BH-5 THERMOPLASTIC STOP BAR BY LANE WIDTH SHOWN PER OREGON STANDARD DRAWINGS TM503 AND TM530.

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project no: 17-009F

Macy Street
Plan & Profile
STA 3+48 to 8+75

sheet: C10

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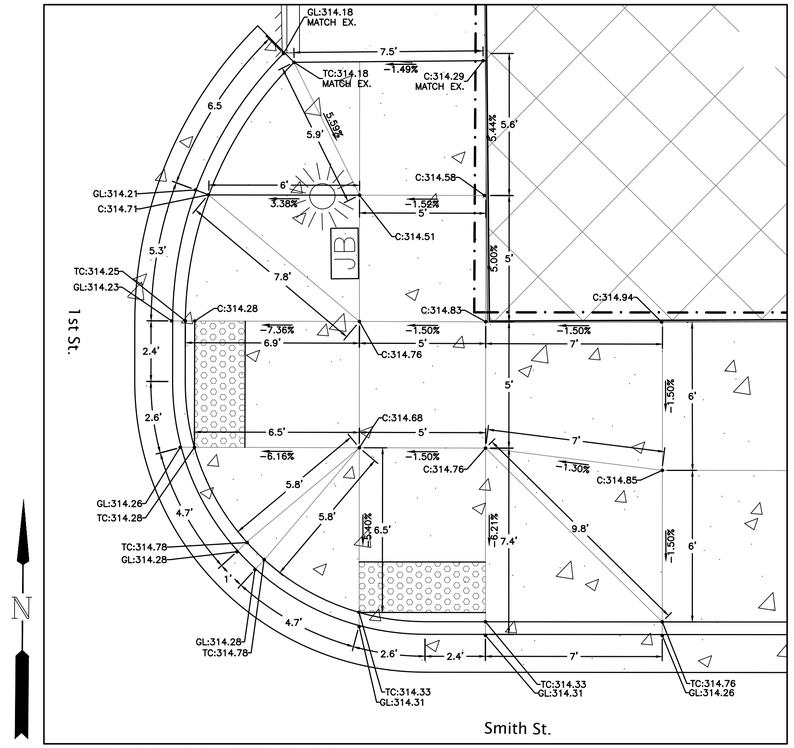
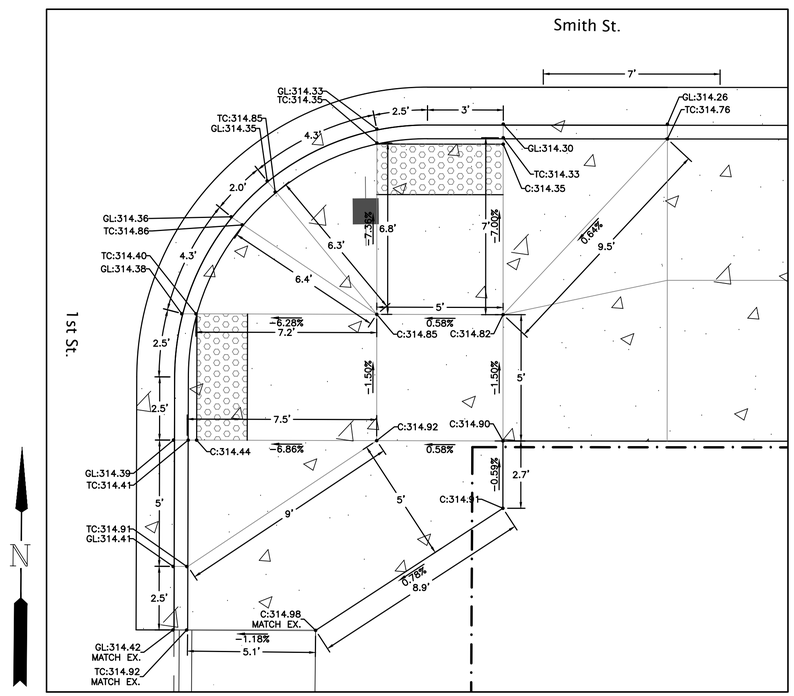


1 C11 1st & Smith - NE ADA Ramp

SCALE: 1"=3'



2 C11 1st & Smith - SE ADA Ramp

SCALE: 1"=3'

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Curb Return
ADA Ramp
Details

sheet: C11

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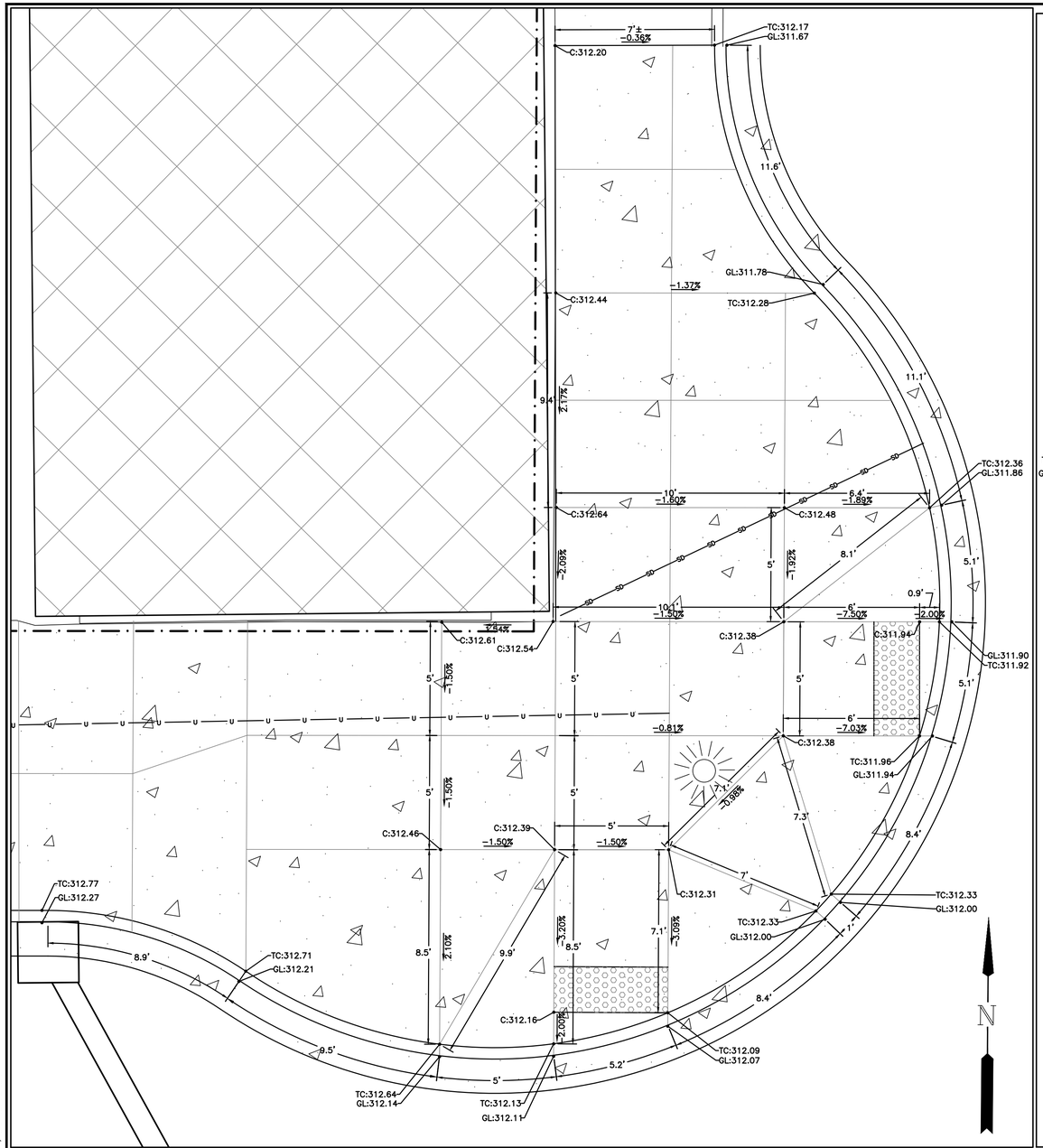
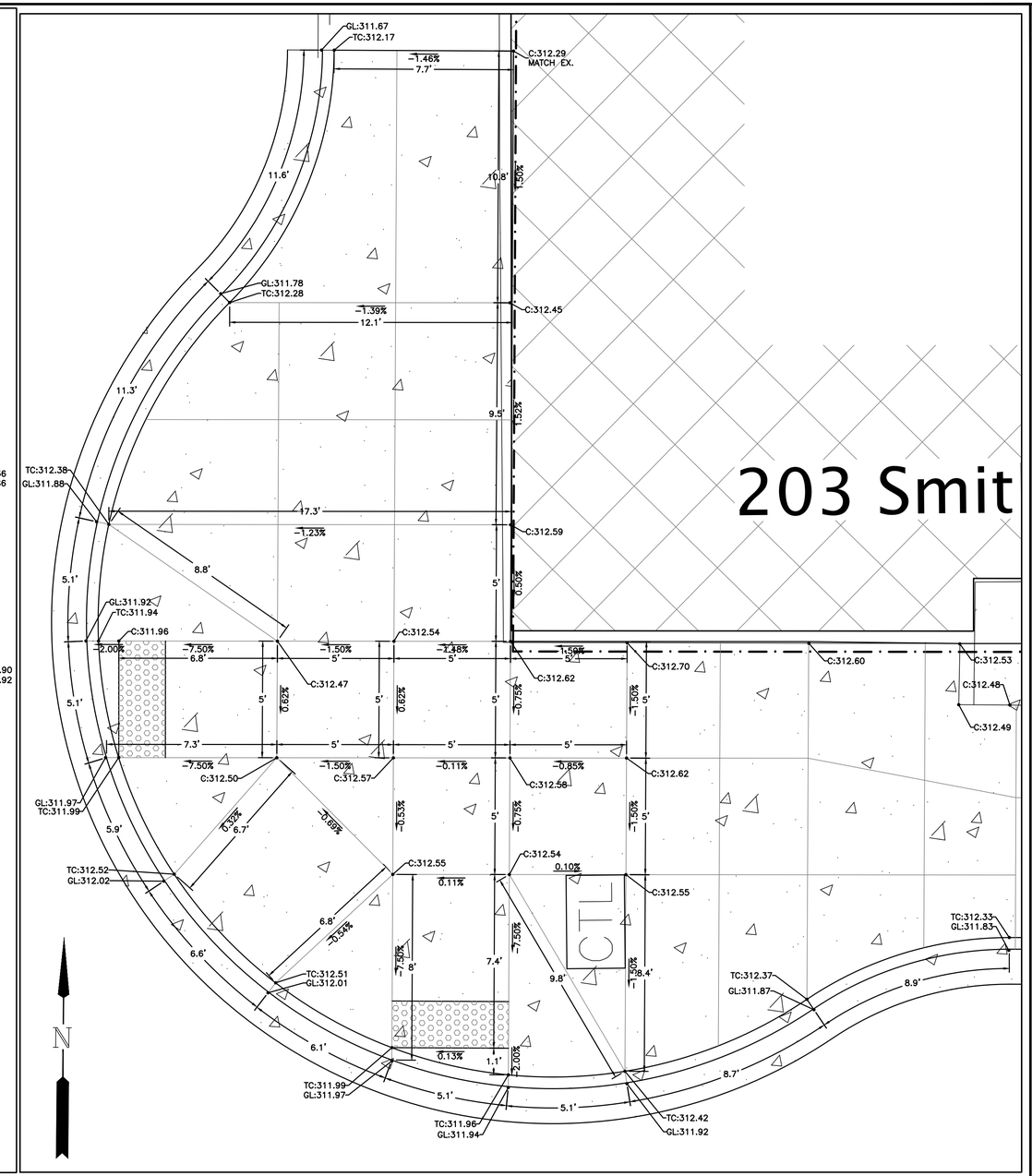


1 C12 2nd & Smith - NW ADA Ramp

SCALE: 1"=3'



2 C12 2nd & Smith - NE ADA Ramp

SCALE: 1"=3'

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project no: 17-009F

Curb Return
ADA Ramp
Details

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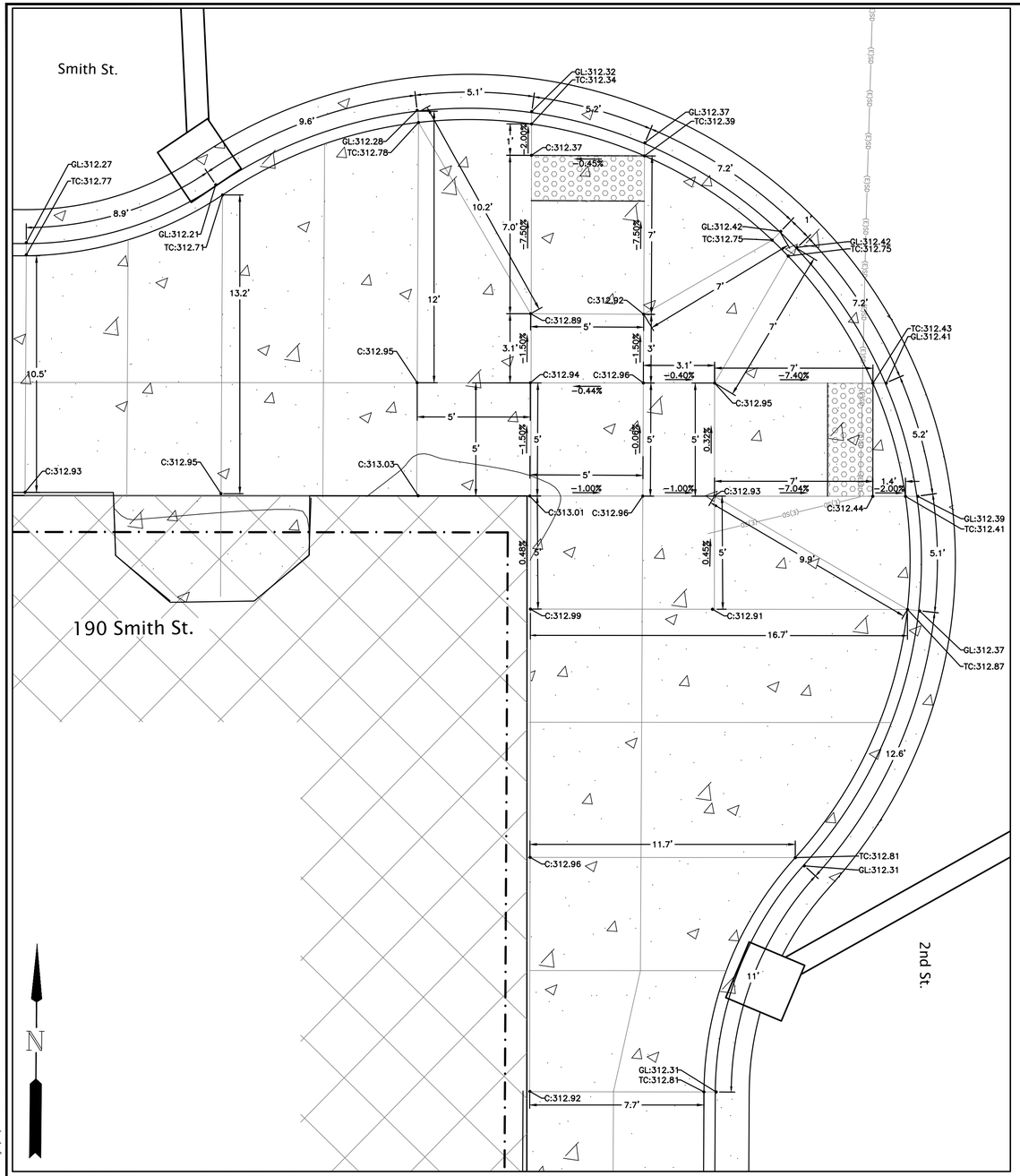
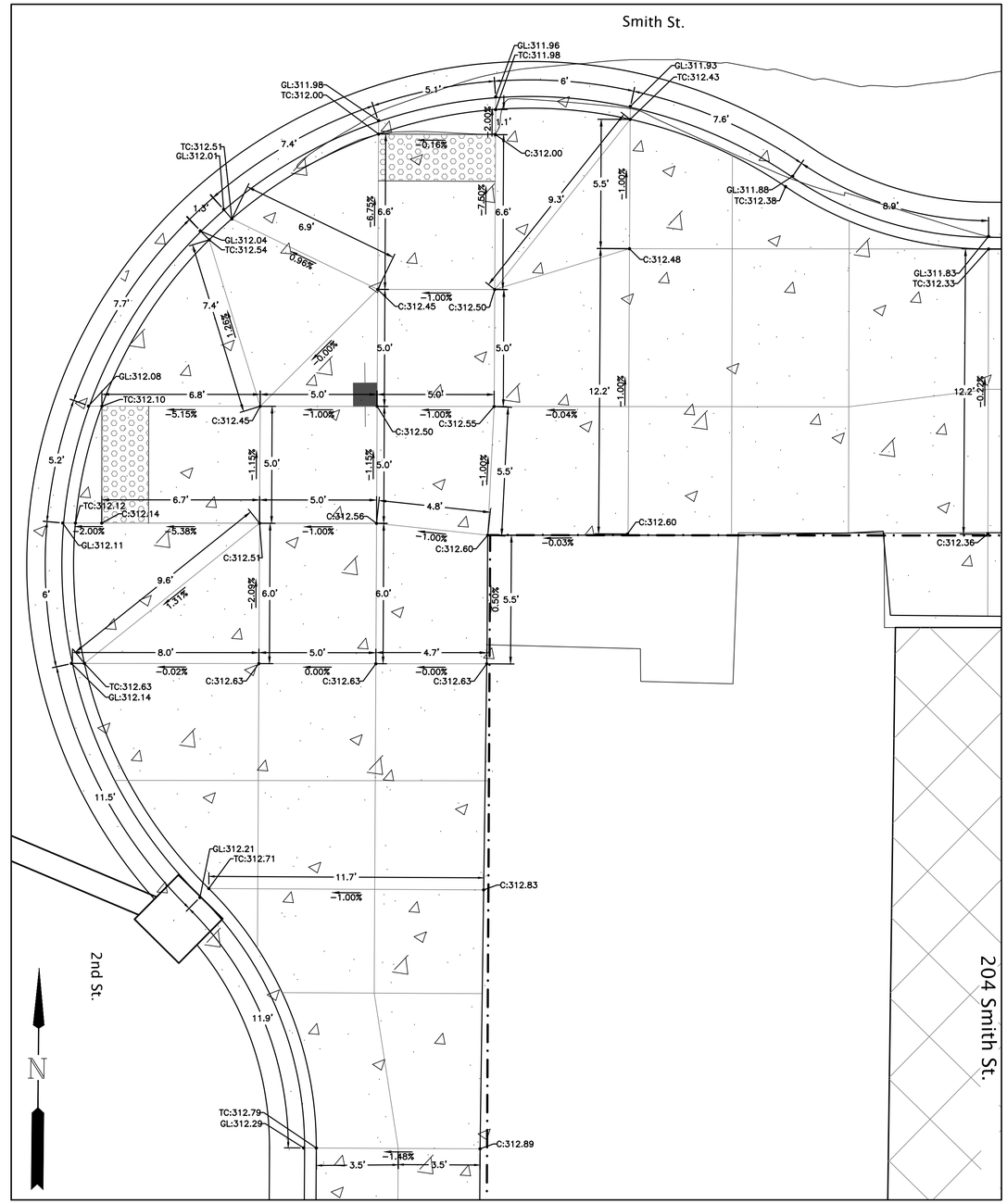


1 C13 2nd & Smith - SW ADA Ramp

SCALE: 1"=3'



2 C13 2nd & Smith - SE ADA Ramp

SCALE: 1"=3'

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designer:	GAM
project no:	157-009F

Curb Return ADA Ramp Details

sheet: C13

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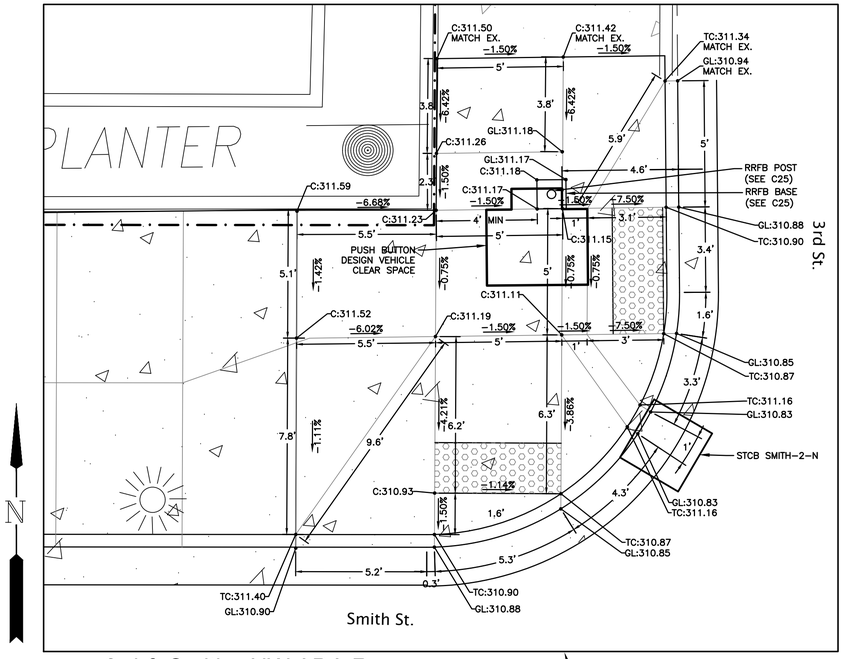
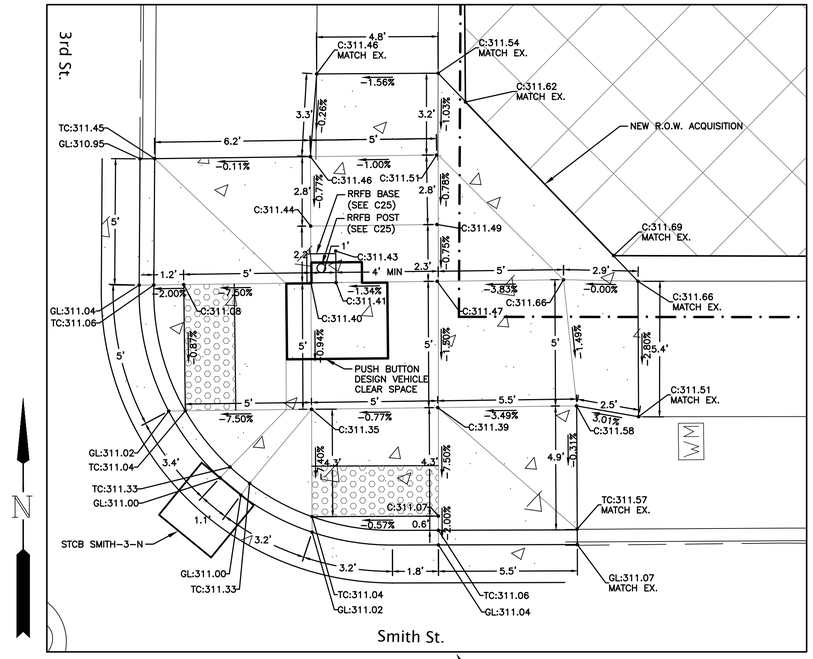
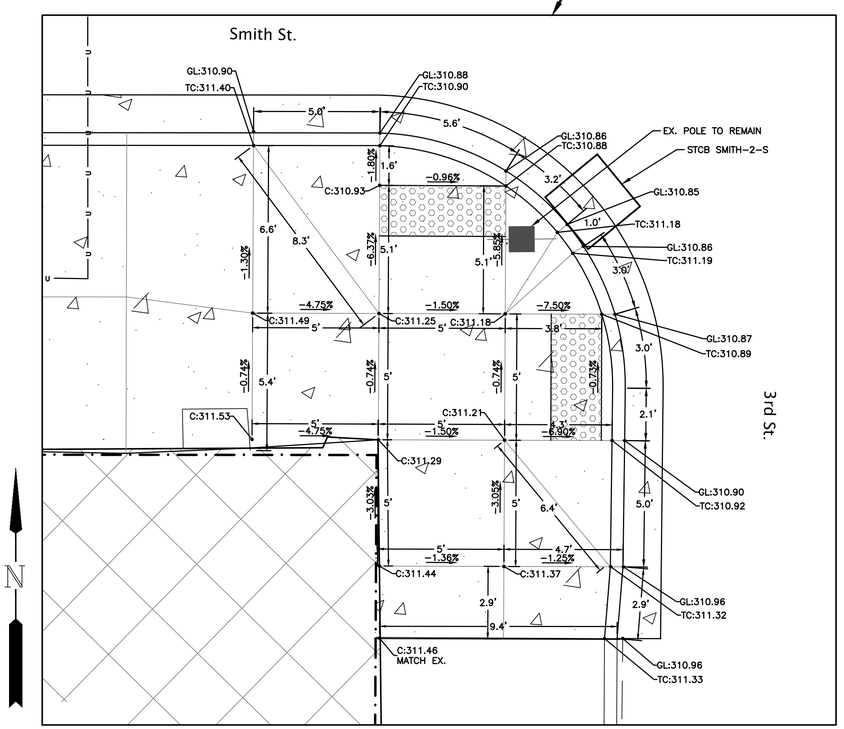


1 C14 3rd & Smith - NW ADA Ramp
SCALE: 1"=3'



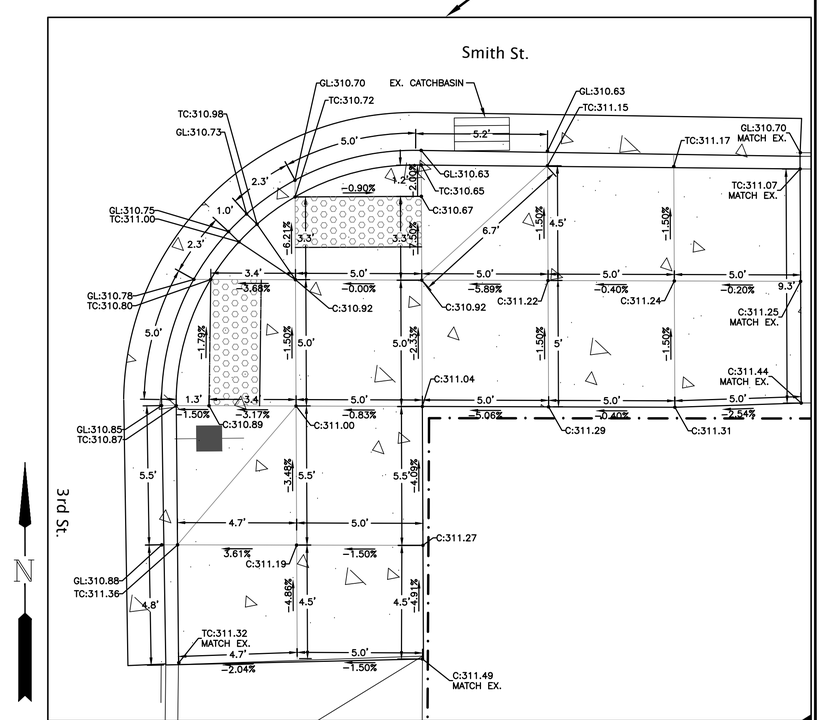
2 C14 3rd & Smith - NE ADA Ramp
SCALE: 1"=3'

ALTERNATE #1



3 C14 3rd & Smith - SW ADA Ramp
SCALE: 1"=3'

ALTERNATE #1



4 C14 3rd & Smith - SE ADA Ramp
SCALE: 1"=3'

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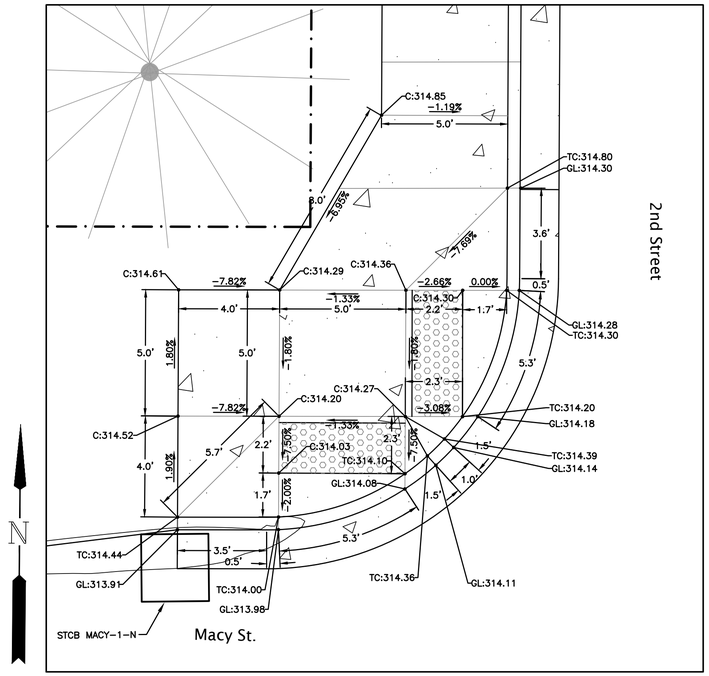
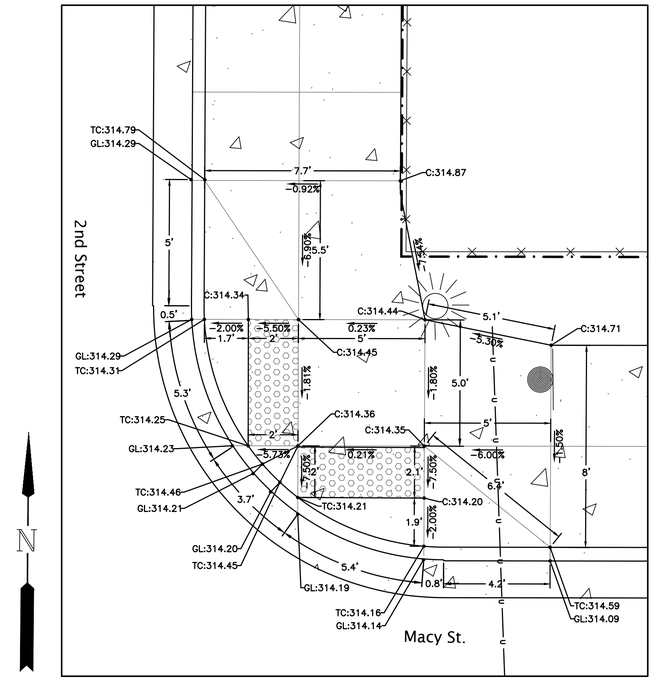


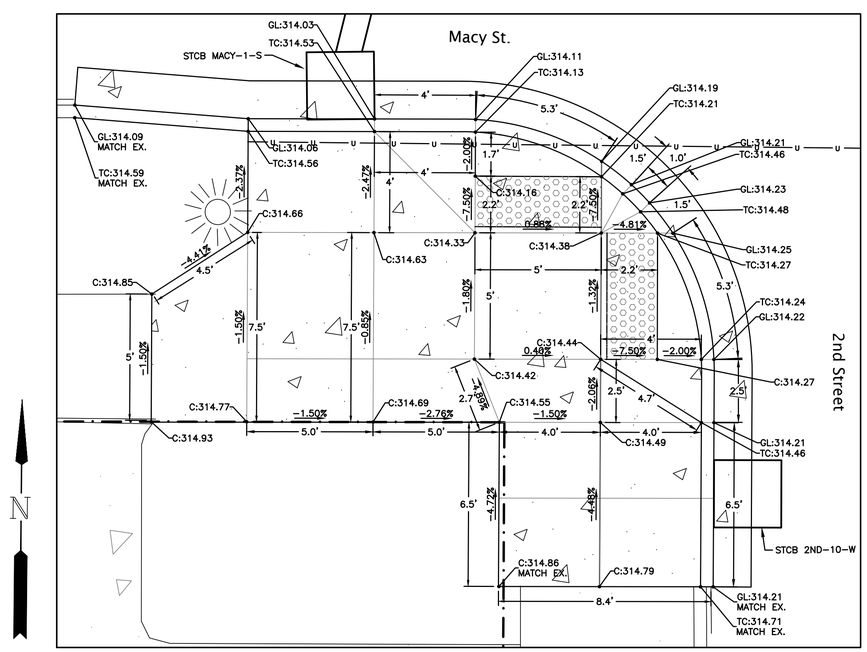
1 C15 2nd & Macy - NW ADA Ramp

SCALE: 1"=3'



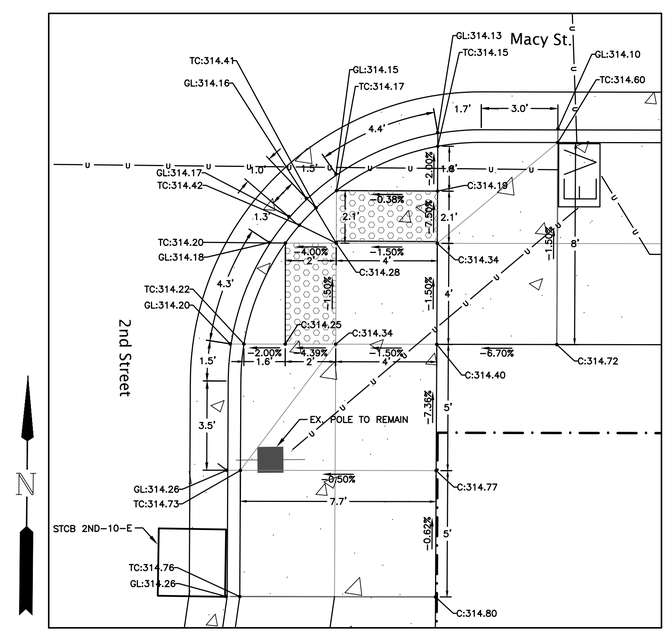
2 C15 2nd & Macy - NE ADA Ramp

SCALE: 1"=3'



3 C15 2nd & Macy - SW ADA Ramp

SCALE: 1"=3'



4 C15 2nd & Macy - SE ADA Ramp

SCALE: 1"=3'

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Details

sheet:

C15

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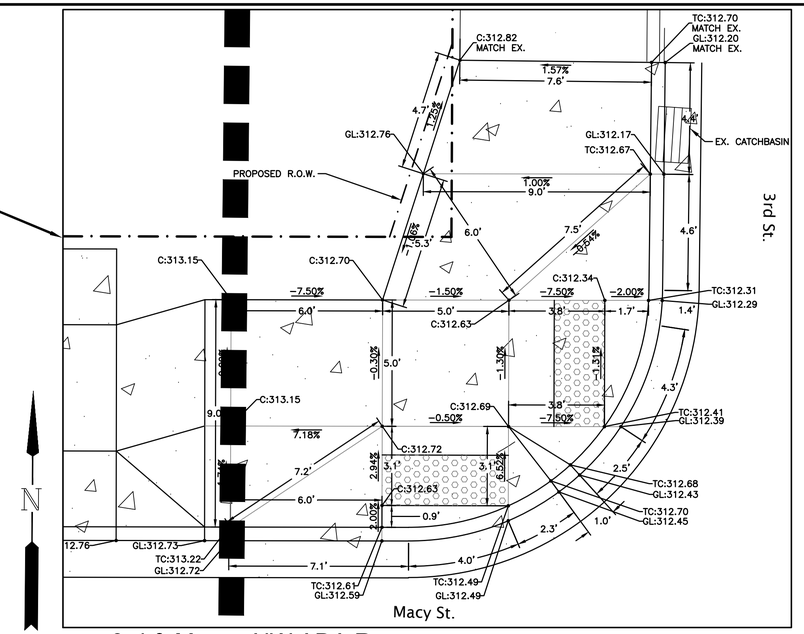
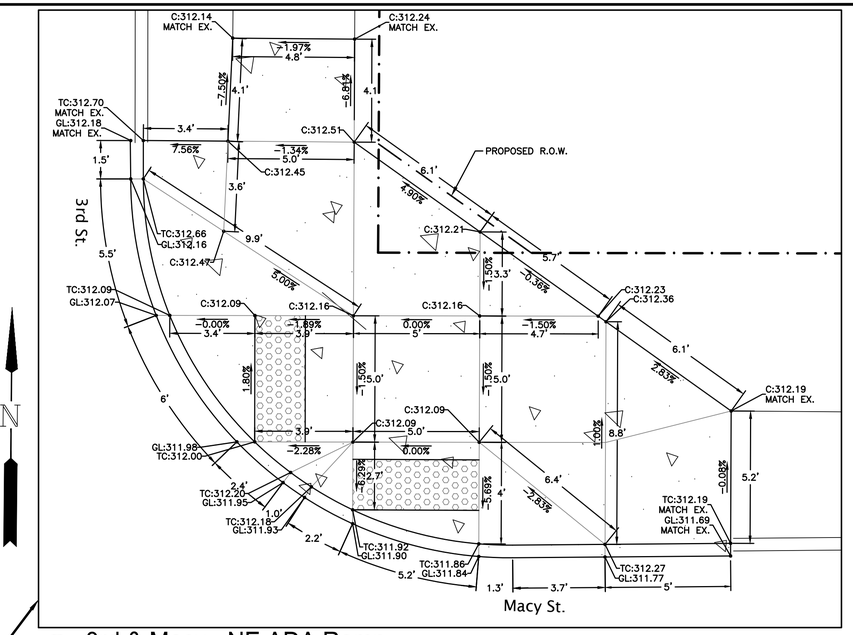
ALTERNATE #1



1 C16 3rd & Macy - NW ADA Ramp

SCALE: 1"=3'

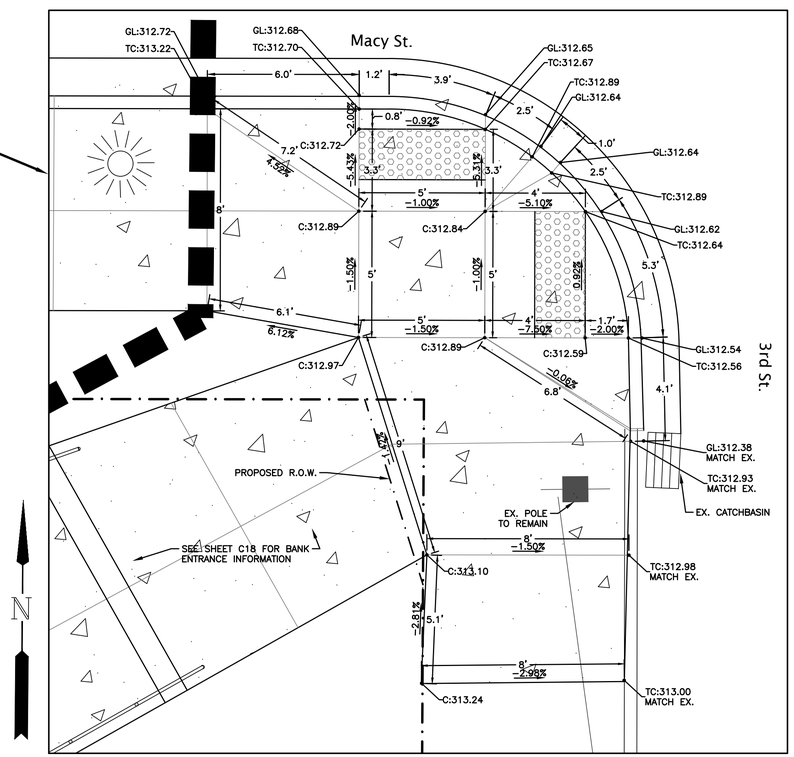
ALTERNATE #1



2 C16 3rd & Macy - NE ADA Ramp

SCALE: 1"=3'

ALTERNATE #1



3 C16 3rd & Macy - SW ADA Ramp

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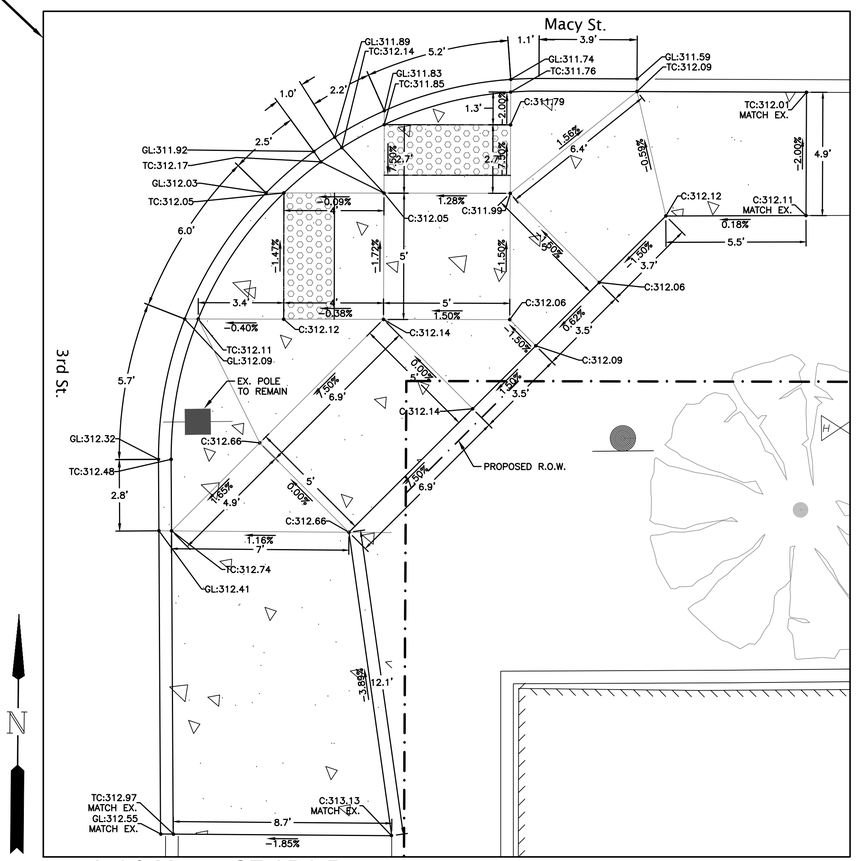

4 C16 3rd & Macy - SE ADA Ramp

SCALE: 1"=3'

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Details

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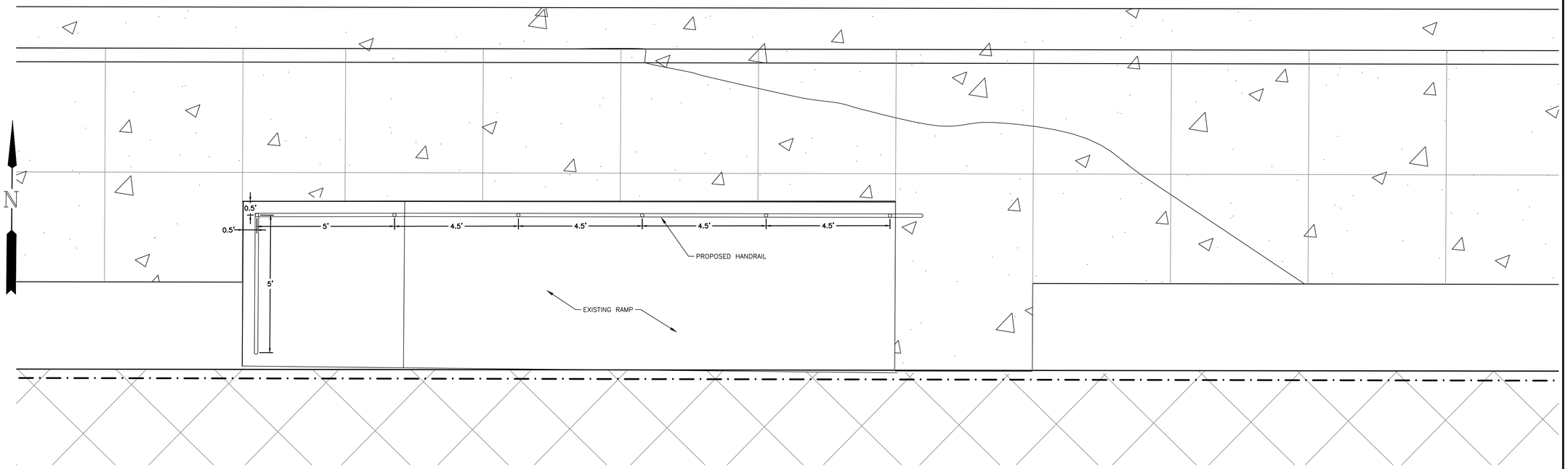
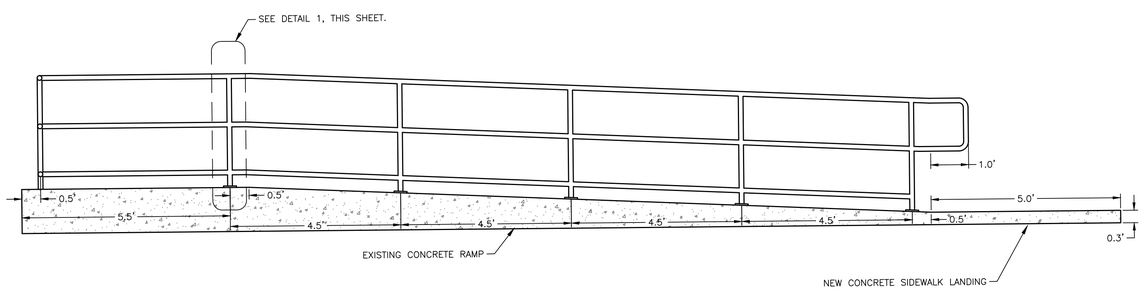
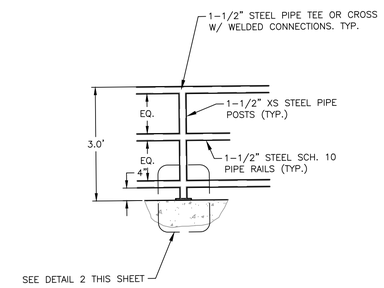


Plan C17 Macy Key Bank - Existing Ramp & New Hand Rail
SCALE: 1"=2'



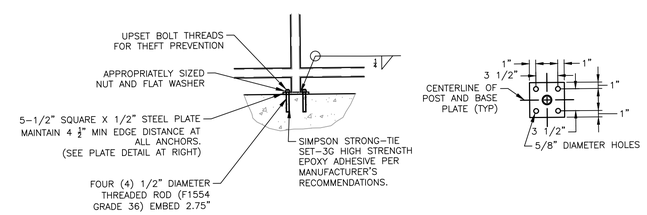
Elev C17 Macy Key Bank - New Hand Rail Elevation
SCALE: 1"=2'



1 C17 Macy Key Bank - Detail 1
SCALE: 1"=1'

STEEL FRAMING NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. USE ASTM A36 STEEL FOR PLATES
3. USE ASTM A53 GRADE B STEEL FOR PIPE SECTIONS
4. USE 70xx WELD ELECTRODES
5. USE TAMPER RESISTANT FASTENERS W/ STRENGTH AND DURABILITY SPECIFICATIONS MEETING OR EXCEEDING THOSE OF ASTM A307.
6. PROVIDE SPECIAL INSPECTIONS FOR STRUCTURAL WELDING AND ANCHOR INSTALLATION.
7. ALL RAIL & FASTENER COMPONENTS TO BE HOT DIPPED GALVANIZED IN ACCORDANCE W/ ASTM A123 & A153, U.N.O.
8. FIELD REPAIR ALL DAMAGED GALVANIZING AS REQUIRED AFTER CONSTRUCTION IN ACCORDANCE WITH ASTM A780.



2 C17 Macy Key Bank - Detail 2
SCALE: 1"=1'

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REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER
EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation
Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

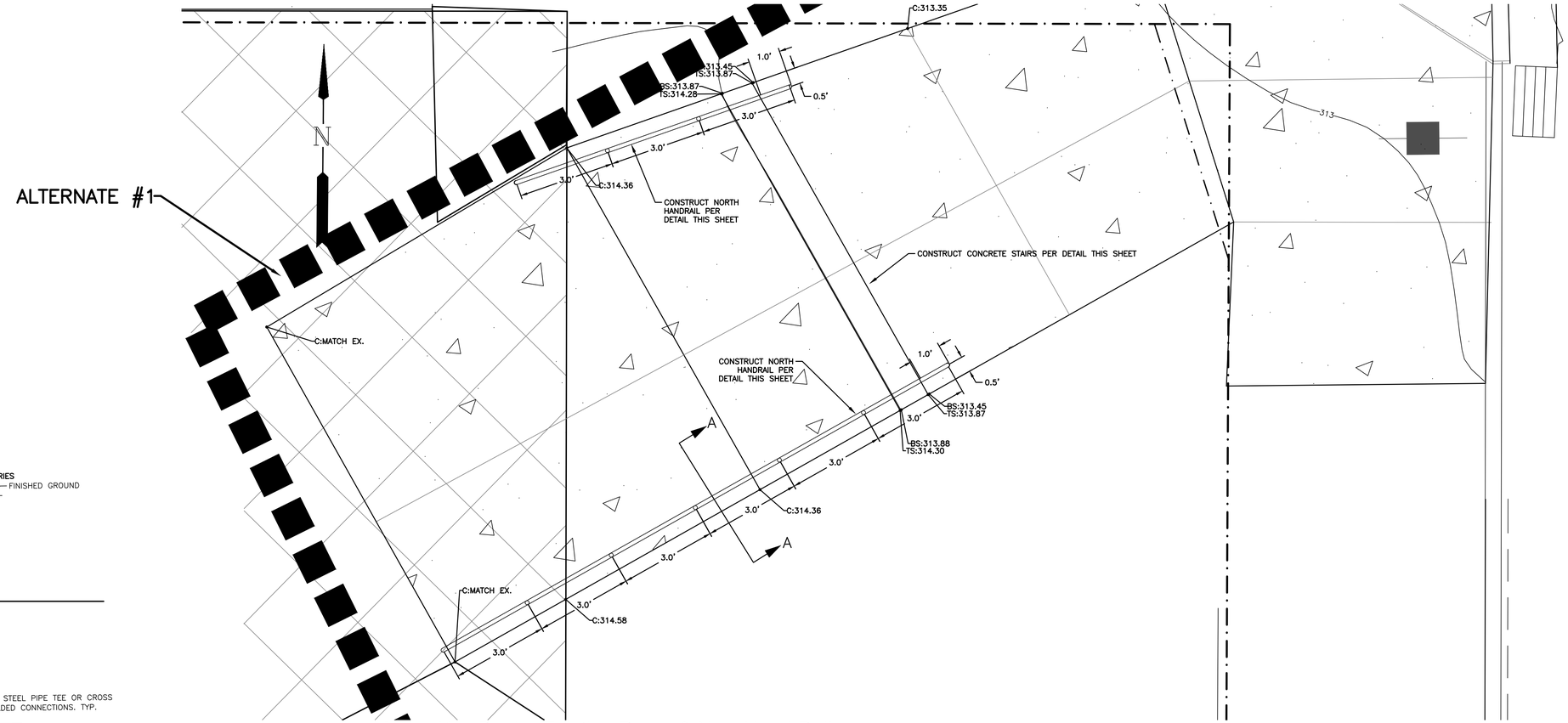
revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

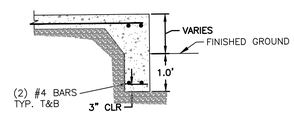
Macy Key Bank Ex. Ramp & Handrail Details

sheet: C17

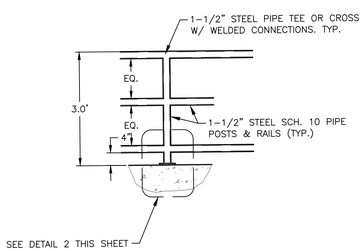
Z:\2017\17-009F Harrisburg Smith Street\Drawing\17-009f Street Improvements.dwg 1/28/2020 2:01 PM JULIE



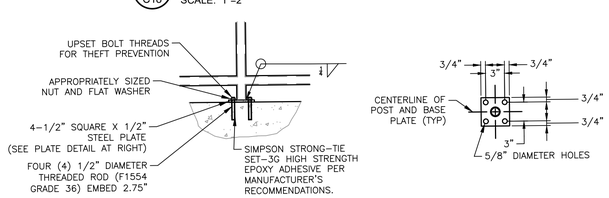
Plan C18 Macy Key Bank - Existing Ramp & New Hand Rail
SCALE: 1"=2'



A-A C18 SECTION A-A
SCALE: N.T.S.



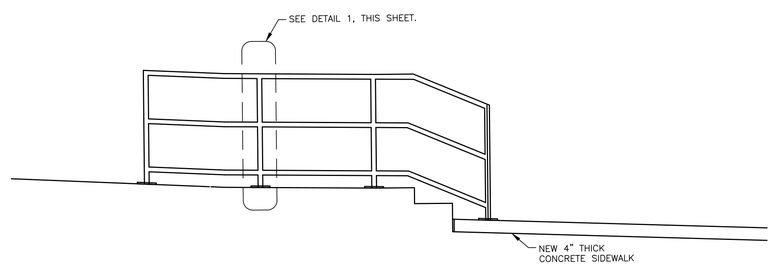
1 C18 Macy Key Bank - Detail 1
SCALE: 1"=2'



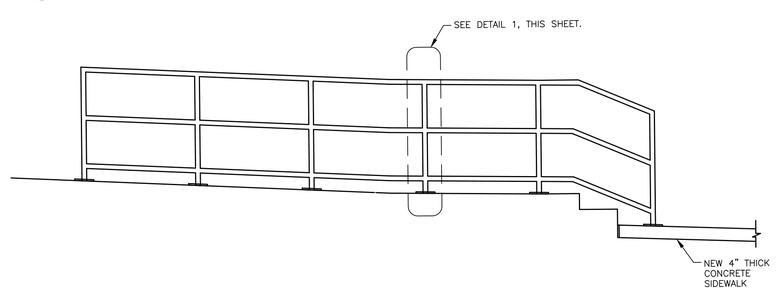
2 C18 Macy Key Bank - Detail 2
SCALE: 1"=1'

STEEL FRAMING NOTES:

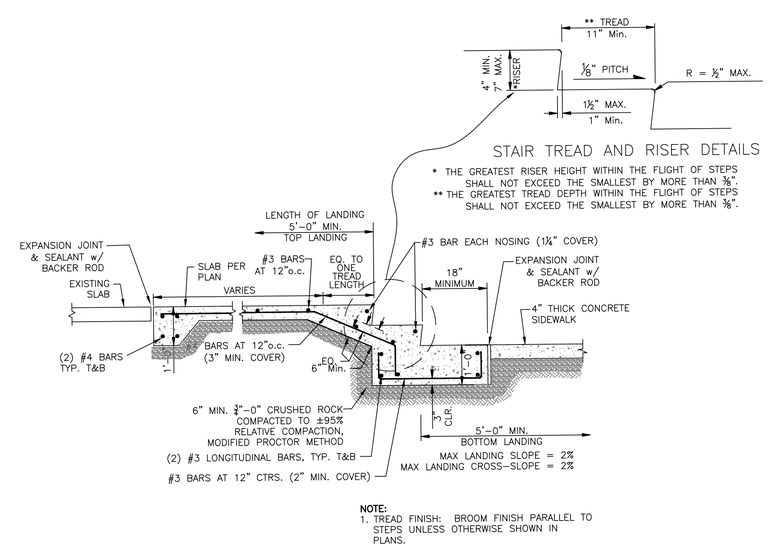
1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. USE ASTM A36 STEEL FOR PLATES
3. USE ASTM A53 GRADE B STEEL FOR PIPE SECTIONS
4. USE 70xx WELD ELECTRODES
5. USE TAMPER RESISTANT FASTENERS W/ STRENGTH AND DURABILITY SPECIFICATIONS MEETING OR EXCEEDING THOSE OF ASTM A307.
6. PROVIDE SPECIAL INSPECTIONS FOR STRUCTURAL WELDING AND ANCHOR INSTALLATION.
7. ALL RAIL & FASTENER COMPONENTS TO BE HOT DIPPED GALVANIZED IN ACCORDANCE W/ ASTM A123 & A153, U.N.O.
8. FIELD REPAIR ALL DAMAGED GALVANIZING AS REQUIRED AFTER CONSTRUCTION IN ACCORDANCE WITH ASTM A780.



Elev C18 Macy Key Bank - North Hand Rail Elevation
SCALE: 1"=2'



Elev C18 Macy Key Bank - South Hand Rail Elevation
SCALE: 1"=2'



NOTE:
1. TREAD FINISH: BROOM FINISH PARALLEL TO STEPS UNLESS OTHERWISE SHOWN IN PLANS.

3 C18 CONCRETE STAIR
SCALE: N.T.S.

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revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

Macy Key Bank Entrance Stairs & Handrail Details Alternate #1

sheet: C18

Z:\2017\17-009F Harrisburg Smith Street\Drawing\17-009F Street Improvements.dwg 1/28/2020 2:01 PM JULIE

CONSTRUCTION NOTES

200 — HOT TAP EXISTING 12" PVC WATERLINE WITH TAPPING SLEEVE (12"X8" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 8" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

201 — FURNISH AND INSTALL WATER VALVE BOX PER ODOT STD DWG RD258.

202 — FURNISH AND INSTALL 8" PVC C-900 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.

204 — CONNECT NEW 8" WATERLINE TO EXISTING 6" WATERLINE. INSTALL NEW 6" GATE VALVE (MUELLER A-2361 RESILIENT WEDGE GATE VALVE OR APPROVED EQUAL) IN EXISTING 6" WATERLINE. INSTALL 8"X6" REDUCER. RESTRAIN ALL JOINTS.

206 — INSTALL NEW 1" SERVICE CONNECTION FROM 8" MAIN TO EXISTING WATER METER. SEE ODOT STD DWG RD274. 8" SERVICE SADDLE (ROMAC INDUSTRIES 202N SERVICE SADDLE) FOR PVC WATER MAIN IS REQUIRED. USE 1" MUELLER BALL CORPORATION VALVE B-25029 AND 1" ADS POTABLE WATER SERVICE PIPE (IPS) SIDR 7 FOR SERVICE LINE.

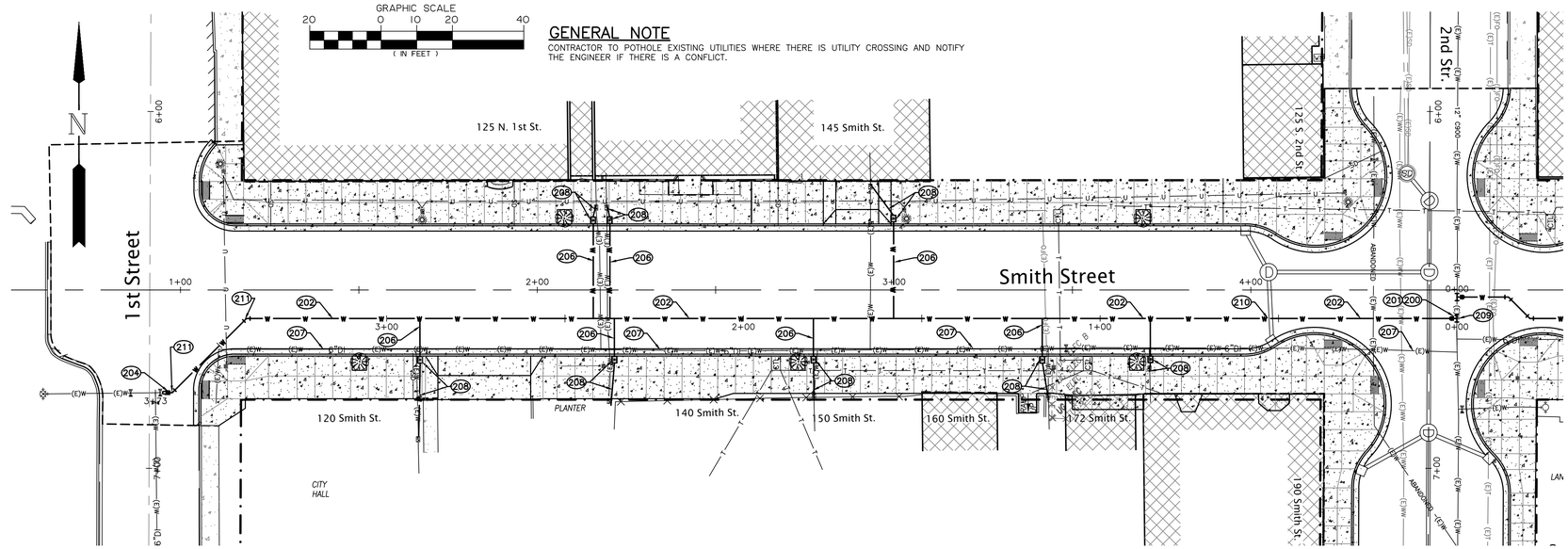
207 — ABANDON EXISTING 6" WATERLINE IN PLACE.

208 — FURNISH AND INSTALL NEW WATER SERVICE PER ODOT STD DWG RD274 WITH THE CITY OF HARRISBURG PRE-APPROVED MATERIALS: METER BOX (ARMORCAST PRODUCTS 12"X20"X12" ROTOCAST BOX A6000485), WATER METER LID (ARMORCAST PRODUCTS 12"X20"X1-$\frac{1}{4}$" RPM COVER W/ TOUCH READ HOLE A6000484-H2), NEW WATER METER (3/4" iPEARL BY SENSUS), BALL ANGLE METER VALVE (1"X3/4" MUELLER 300 BALL ANGLE METER, B-24259N), SERVICE PIPE (1" POLYETHELYN SDR 7) AND CORPORATION STOP (1" MUELLER) SERVICE SADDLES.

209 — POTHOLE EXISTING WATER LINE AND AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.

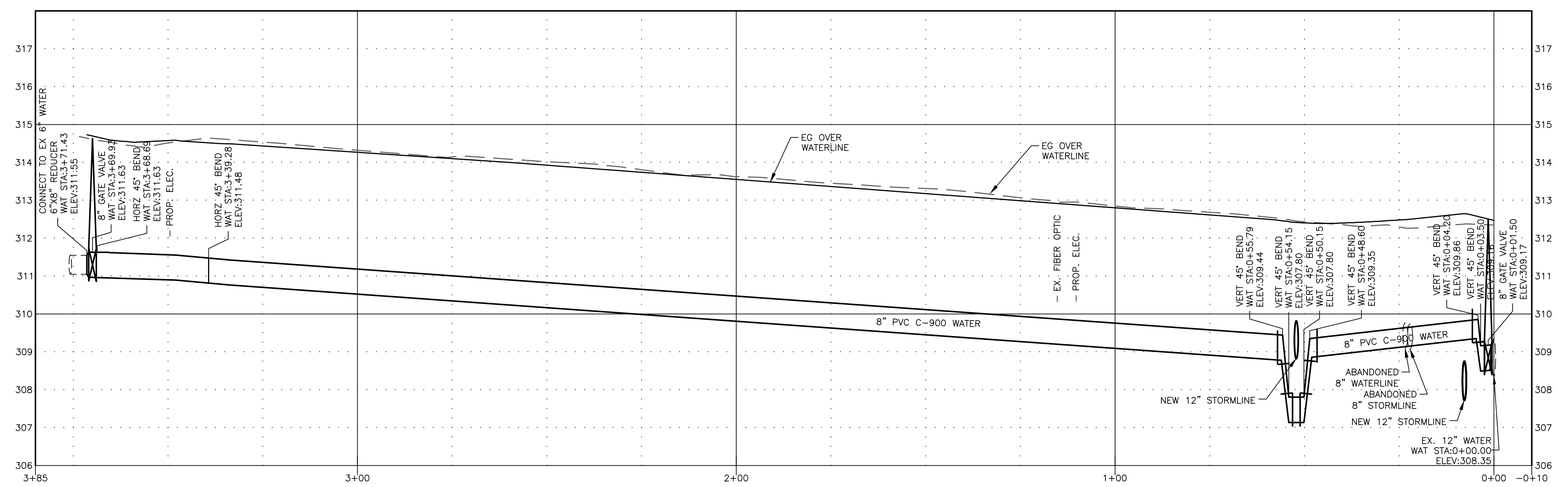
210 — PROPOSED WATERLINE TO GO UNDER PROPOSED STORM LINE. PROVIDE 45° VERTICAL BENDS WITH MECHANICAL RESTRAINT TO ACHIEVE GOING UNDER PROPOSED STORM LINE. RESTRAIN ALL JOINTS 40 FEET FROM VERTICAL BEND.

211 — FURNISH AND INSTALL 45° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.



GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.



WEST SMITH WATERLINE PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

Smith Street
Waterline
Plan & Profile
STA 0+00 to 3+85

sheet:

C19

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CONSTRUCTION NOTES

200 — HOT TAP EXISTING 12" PVC WATERLINE WITH TAPPING SLEEVE (12"X8" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 8" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

201 — FURNISH AND INSTALL WATER VALVE BOX PER ODOT STD DWG RD258.

202 — FURNISH AND INSTALL 8" PVC C-900 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.

203 — FURNISH AND INSTALL 8"X6" REDUCER. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

204 — CONNECT NEW 8" WATERLINE TO EXISTING 6" WATERLINE. RESTRAIN ALL JOINTS.

206 — INSTALL NEW 1" SERVICE CONNECTION FROM 8" MAIN TO EXISTING WATER METER. SEE ODOT STD DWG RD274. 8" SERVICE SADDLE (ROMAC INDUSTRIES 202N SERVICE SADDLE) FOR PVC WATER MAIN IS REQUIRED. USE 1" MUELLER BALL CORPORATION VALVE B-25029 AND 1" ADS POTABLE WATER SERVICE PIPE (IPS) SIDR 7 FOR SERVICE LINE.

207 — ABANDON EXISTING 6" WATERLINE IN PLACE.

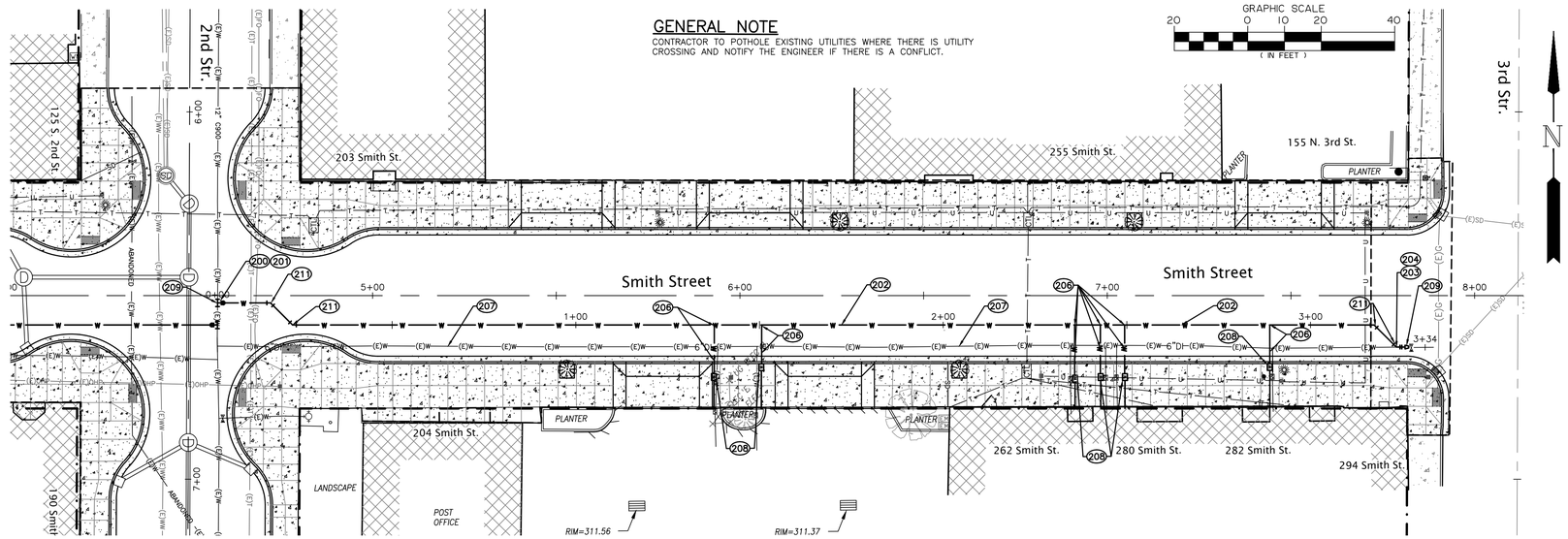
208 — FURNISH AND INSTALL NEW WATER METER AND BOX PER ODOT STD DWG RD274 WITH THE CITY OF HARRISBURG PRE-APPROVED MATERIALS: METER BOX (ARMORCAST PRODUCTS 12"X20"X12" ROTOCAST BOX A6000485), WATER METER LID (ARMORCAST PRODUCTS 12"X20"X1-¾" RPM COVER W/ TOUCH READ HOLE A6000484-H2), NEW WATER METER (3/4" IPEARL BY SENSUS), BALL ANGLE METER VALVE (1"X3/4" MUELLER 300 BALL ANGLE METER, B-24259N), SERVICE PIPE (1" POLYETHELYN SDR 7) AND CORPORATION STOP (1" MUELLER). CONNECT TO EXISTING SERVICE LINE BEHIND EXISTING WATER METER.

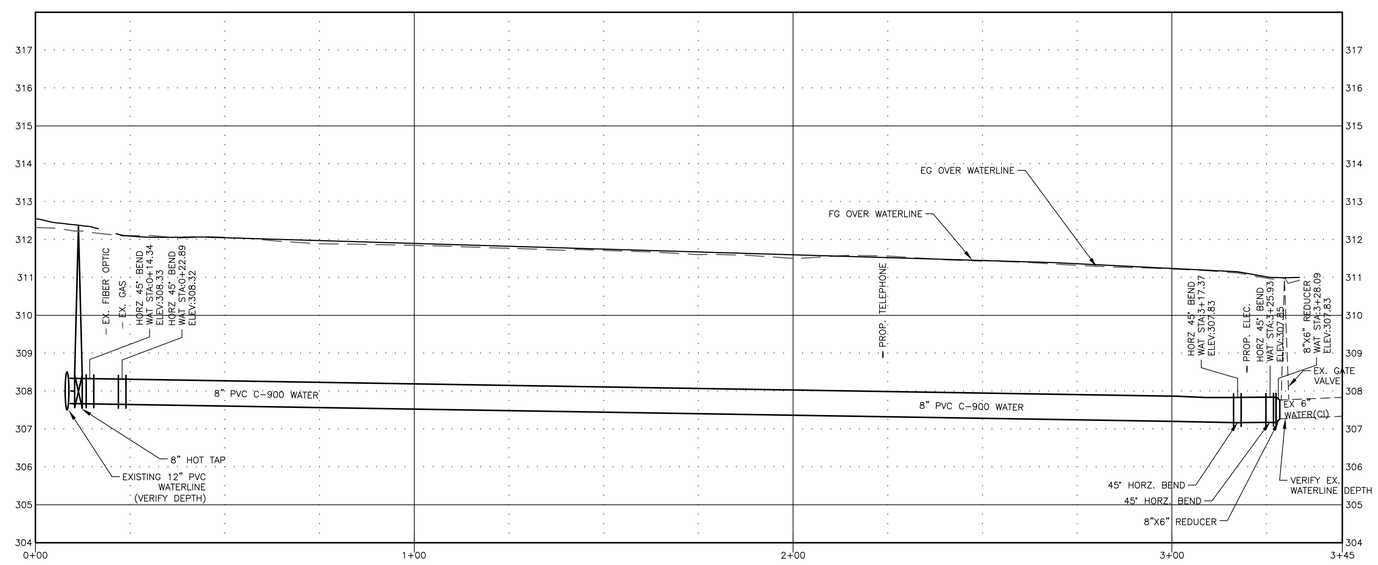
209 — POTHOLE EXISTING WATER LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.

211 — FURNISH AND INSTALL 45° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.





EAST SMITH WATERLINE PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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drawn by:	GAM
designer:	GAM
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Smith Street
Waterline
Plan & Profile
STA 0+00 to 5+50

sheet:

C20

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GENERAL NOTE

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CONSTRUCTION NOTES

200 — HOT TAP EXISTING 12" PVC WATERLINE WITH TAPPING SLEEVE (12"X8" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 8" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

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202 — FURNISH AND INSTALL 8" PVC C-900 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 30" OF COVER.

203 — FURNISH AND INSTALL 8"X6" TEE. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

204 — CONNECT NEW 8" WATERLINE TO EXISTING 6" WATERLINE. INSTALL NEW 8" GATE VALVE (MUELLER A-2361 RESILIENT WEDGE GATE VALVE OR APPROVED EQUAL) WITH 8"X6" REDUCER ON EXISTING 6" WATERLINE. RESTRAIN ALL JOINTS.

205 — FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY (MUELLER 5 ¼" A423 SUPER CENTURION "250" WITH TWO HOSE NOZZLES AND ONE PUMPER NOZZLE WITH 4" INTEGRAL STORZ CONNECTION) AND 6" GATE VALVE (MUELLER A-2361 RESILIENT WEDGE GATE VALVE). HYDRANT TO BE PAINTED YELLOW WITH APPROVED PAINT. SEE ODOT STD DWG RD254.

206 — INSTALL NEW 1" SERVICE CONNECTION FROM 8" MAIN TO EXISTING WATER METER. SEE ODOT STD DWG RD274. 8" SERVICE SADDLE (ROMAC INDUSTRIES 202N SERVICE SADDLE) FOR PVC WATER MAIN IS REQUIRED. USE 1" MUELLER BALL CORPORATION VALVE B-25029 AND 1" ADS POTABLE WATER SERVICE PIPE (IPS) SIDR 7 FOR SERVICE LINE.

207 — ABANDON EXISTING 6" WATERLINE IN PLACE.

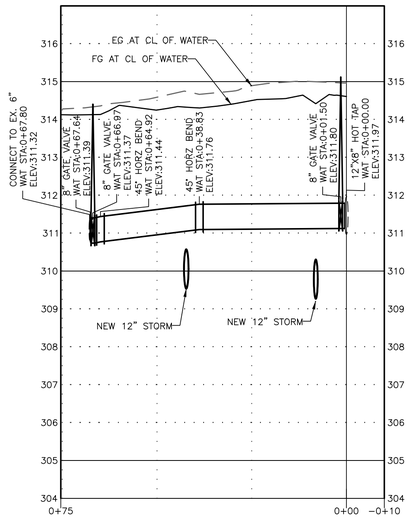
208 — FURNISH AND INSTALL NEW WATER SERVICE PER ODOT STD DWG RD274 WITH THE CITY OF HARRISBURG PRE-APPROVED MATERIALS: METER BOX (ARMORCAST PRODUCTS 12"X20"X12" ROTOCAST BOX A6000485), WATER METER LID (ARMORCAST PRODUCTS 12"X20"X1-¾" RPM COVER W/ TOUCH READ HOLE A6000484-H2), NEW WATER METER (3/4" iPEARL BY SENSUS), BALL ANGLE METER VALVE (1"X3/4" MUELLER 300 BALL ANGLE METER, B-24259N), SERVICE PIPE (1" POLYETHELYN SDR 7) AND CORPORATION STOP (1" MUELLER) SERVICE SADDLES.

209 — POTHOLE EXISTING WATER LINE AND AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.

210 — PROPOSED WATERLINE TO GO OVER PROPOSED STORM LINE. PROVIDE 45° VERTICAL BENDS WITH MECHANICAL RESTRAINT TO ACHIEVE GOING UNDER PROPOSED STORM LINE.

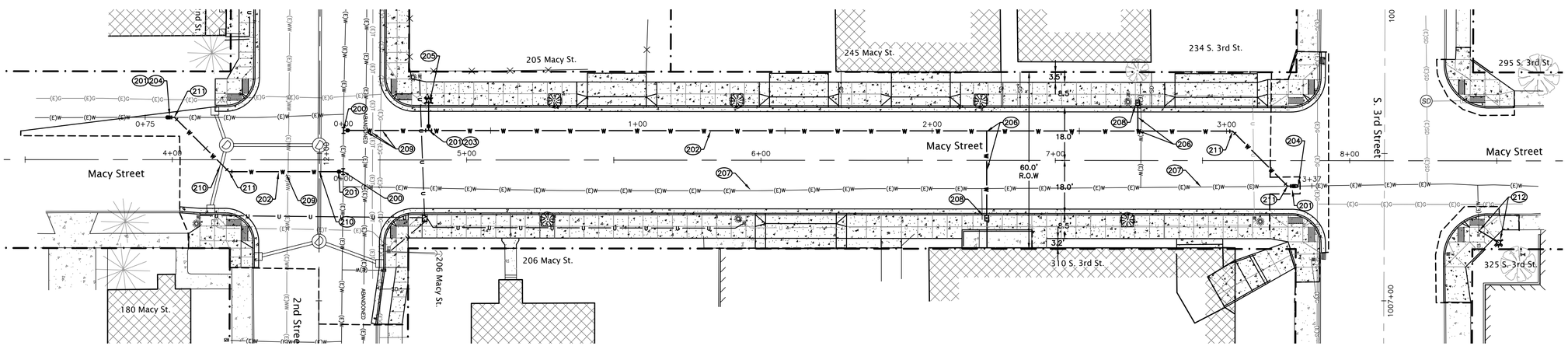
211 — FURNISH AND INSTALL 45° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

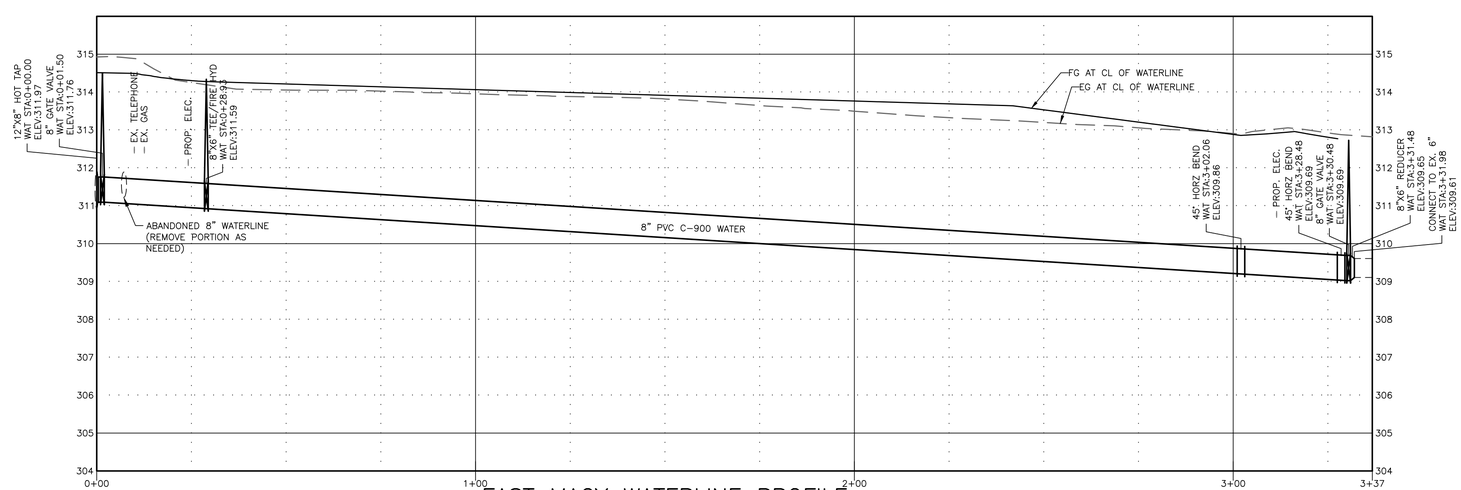
212 — REMOVE EXISTING FIRE HYDRANT AND CONNECT TO EXISTING FIRE HYDRANT STUB WITH APPROPRIATE FITTINGS AND CONNECTIONS. EXTEND PIPING WITH 6" PVC C-900 AND RECONNECT EXISTING FIRE HYDRANT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.



WEST MACY WATERLINE PROFILE

SCALE: HORZ: 1" = 20'
VERT: 1" = 2'





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Macy Street
Waterline
Plan & Profile
STA 0+00 to 5+50

sheet: **C21**

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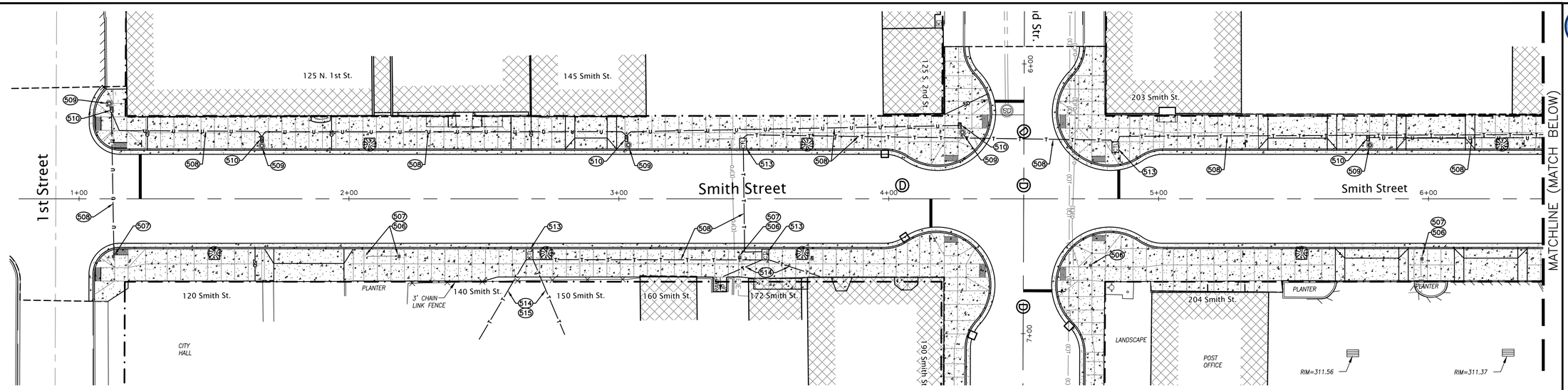
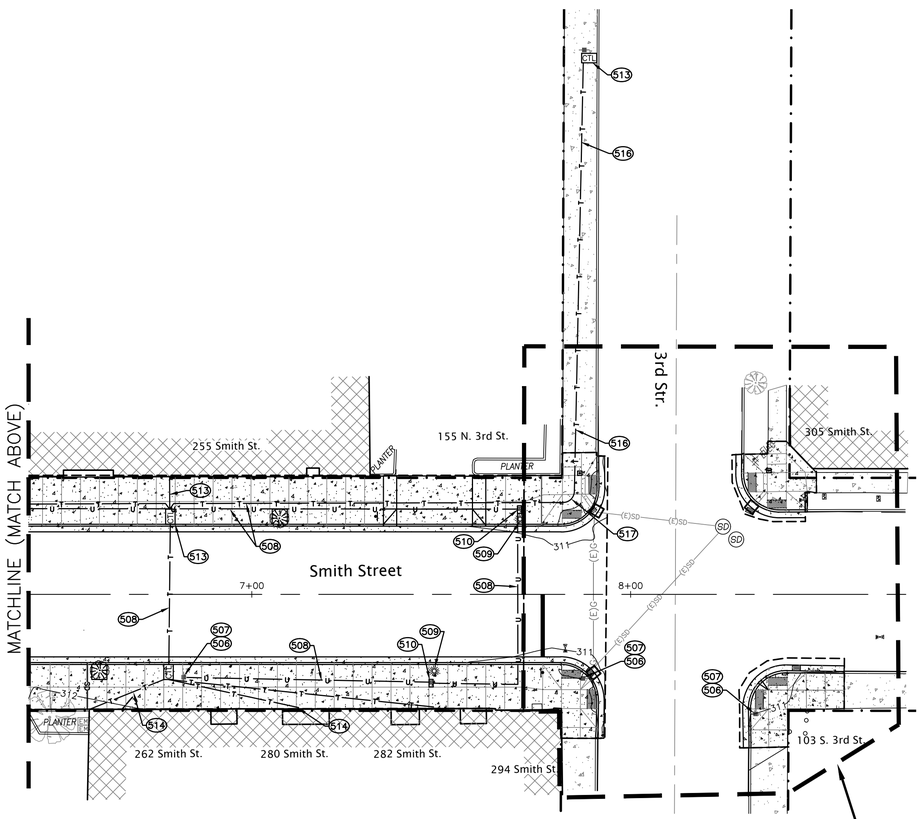
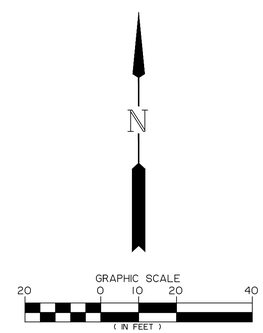




ALTERNATE #1



CONSTRUCTION NOTES

506 — EXISTING POWER POLE (AND ANCHOR) TO REMAIN. CONTRACTOR TO COORDINATE WITH PACIFIC POWER AND LIGHT (CONTACT ELKE VATH 541-967-6160)

507 — PACIFIC POWER TO REPLACE EXISTING OVERHEAD LIGHT WITH NEW ARLINGTON HEAD. CONTRACTOR TO COORDINATE WITH PACIFIC POWER AND LIGHT (CONTACT ELKE VATH 541-967-6160)

508 — CONTRACTOR TO INSTALL UTILITY CONDUITS IN JOINT UTILITY TRENCH. UTILITY CONDUIT AND SIZE AS INDICATED ON PACIFIC POWER, COMCAST AND CENTURYLINK PLANS. SEE GENERAL NOTES BELOW.

509 — CONTRACTOR TO FURNISH AND INSTALL PRECAST FOOTING FOR LIGHT POLE (OLDCASTLE PRECAST 5CL-LB WITH 11" DIAMETER BOLT CIRCLE AND 1" DIA BOLTS, 36" LONG WITH 4" HOOK, GALVANIZED). CONTRACTOR TO PROVIDE 1" PVC SCH40 GRAY CONDUIT FROM LIGHT POLE FOUNDATION TO ADJACENT HANDHOLE. COORDINATE WITH PP&L.

510 — CONTRACTOR TO INSTALL PP&L PROVIDED JUNCTION BOXES AS REQUIRED. CONTRACTOR TO COORDINATE WITH PACIFIC POWER (CONTACT ELKE VATH 541-967-6160).

512 — CONTRACTOR TO INSTALL NEW SINGLE PHASE CT METER FOR UNDERGROUND ELECTRICAL SERVICE. CONTRACTOR TO ALSO INSTALL NEW 400 AMP ELECTRICAL PANEL. COORDINATE SERVICE CONNECTION WITH PACIFIC POWER (ELKE VATH 541-967-6160)

513 — CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR INSTALLATION OF UTILITY PROVIDER'S JUNCTION BOXES, VAULTS AND EQUIPMENT. SEE UTILITY PROVIDERS CONSTRUCTION PLANS. JUNCTION BOXES AND VAULTS TO BE FLUSH AND MATCH SLOPE WITH FINISHED GRADE.

514 — CONTRACTOR TO PROVIDE CONDUIT TO EXISTING BUILDING.

515 — CONTRACTOR TO RESTORE TRENCHING IMPACT TO EXISTING SURFACE TO ORIGINAL OR BETTER CONDITION. COORDINATE WITH CITY AND PROPERTY OWNER.

516 — CONTRACTOR TO BORE TWO CONDUITS (4" PER CENTURY LINK) UNDER EXISTING SIDEWALK. THIS WORK SHALL BE COMPLETED REGARDLESS IF ALTERNATE #1 WORK IS APPROVED

517 — CONTRACTOR TO POUR NEW CONCRETE SIDEWALK PANELS AFTER INSTALLATION OF UTILITY CONDUITS AND VAULTS. THIS WORK SHALL BE COMPLETED REGARDLESS IF ALTERNATE #1 WORK IS APPROVED.

GENERAL NOTE:

1. PACIFIC POWER AND LIGHT TO SHARE JOINT UTILITY TRENCH WITH CENTURYLINK, COMCAST AND OTHERS AS REQUIRED. CONTRACTOR TO COORDINATE WITH ALL UTILITIES AND THEIR REQUIREMENTS.
   PACIFIC POWER & LIGHT (ELKE VATH 541-967-6160)
   CENTURYLINK (LUKE PILON 541-484-8887)
   COMCAST (GABE NORBURY 541-731-1498).
2. COMCAST TO FURNISH ALL COMCAST CONDUIT AND SWEEPS TO CONTRACTOR FOR INSTALLATION AS IDENTIFIED. COORDINATE WITH COMCAST (GABE NORBURY 541-731-1498) FOR CONDUIT AND SWEEPS.
3. COMCAST TO FURNISH AND INSTALL COMCAST VAULTS. COORDINATE WITH COMCAST (GABE NORBURY 541-731-1498)
4. COMCAST TO FURNISH AND INSTALL COMCAST JUNCTION BOXES. COORDINATE WITH COMCAST (GABE NORBURY 541-731-1498)
5. CENTURYLINK TO FURNISH AND INSTALL CONDUIT, JUNCTION BOXES AND VAULTS FOR CENTURYLINK EQUIPMENT. COORDINATE WITH CENTURYLINK (LUKE PILON 541-484-8887)
6. CONTRACTOR TO SUPPLY PACIFIC POWER CONDUITS AS REQUIRED PER PACIFIC POWER SPECIFICATIONS. CONTACT ELKE VATH 541-967-6160)

GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.

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REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER

EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation

Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

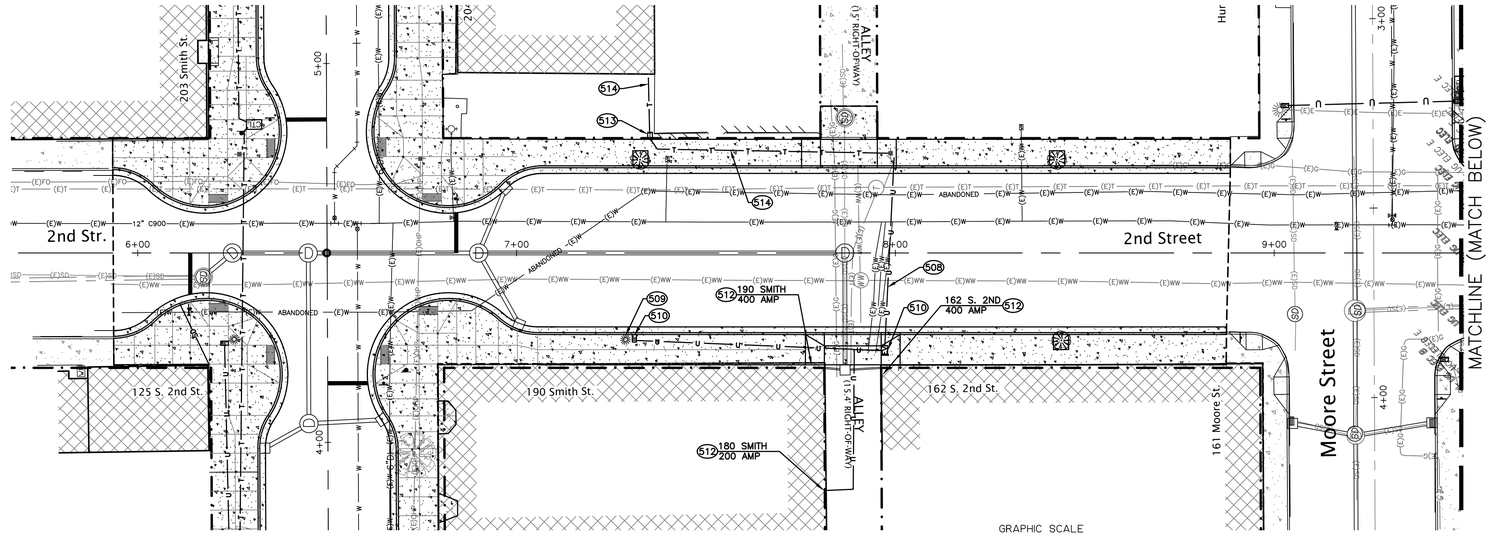
revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

Electrical & Communications Plan

sheet: C22

Z:\2017\17-009F Harrisburg Smith Street\Drawing\17-009f Street Improvements.dwg 1/28/2020 2:01 PM JULIE



GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.

CONSTRUCTION NOTES

508 — CONTRACTOR TO INSTALL UTILITY CONDUITS IN JOINT UTILITY TRENCH. UTILITY CONDUIT AND SIZE AS INDICATED ON PACIFIC POWER, COMCAST AND CENTURYLINK PLANS. SEE GENERAL NOTES BELOW.

509 — CONTRACTOR TO FURNISH AND INSTALL PRECAST FOOTING FOR LIGHT POLE (OLDCASTLE PRECAST 5CL-LB WITH 11" DIAMETER BOLT CIRCLE AND 1" DIA BOLTS, 36" LONG WITH 4" HOOK, GALVANIZED). CONTRACTOR TO PROVIDE 1" PVC SCH40 GRAY CONDUIT FROM LIGHT POLE FOUNDATION TO ADJACENT HANDHOLE. COORDINATE WITH PP&L.

510 — CONTRACTOR TO INSTALL PP&L PROVIDED JUNCTION BOXES AS REQUIRED. CONTRACTOR TO COORDINATE WITH PACIFIC POWER AND LIGHT (CONTACT ELKE VATH 541-967-6160).

512 — CONTRACTOR TO INSTALL NEW SINGLE PHASE CT METER FOR UNDERGROUND ELECTRICAL SERVICE AT ADDRESS INDICATED. CONTRACTOR TO ALSO INSTALL NEW XXX AMP ELECTRICAL PANEL (AMPERAGE SHOWN ON PLANS). COORDINATE SERVICE CONNECTION WITH PACIFIC POWER (ELKE VATH 541-967-6160)

513 — CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR INSTALLATION OF UTILITY PROVIDER'S JUNCTION BOXES, VAULTS AND EQUIPMENT. SEE UTILITY PROVIDERS CONSTRUCTION PLANS. JUNCTION BOXES AND VAULTS TO BE FLUSH AND MATCH SLOPE WITH FINISHED GRADE.

514 — CONTRACTOR TO PROVIDE CONDUIT TO EXISTING BUILDING.

GENERAL NOTE:

1. PACIFIC POWER AND LIGHT TO SHARE JOINT UTILITY TRENCH WITH CENTURYLINK, COMCAST AND OTHERS AS REQUIRED. CONTRACTOR TO COORDINATE WITH ALL UTILITIES AND THEIR REQUIREMENTS.
   PACIFIC POWER & LIGHT (ELKE VATH 541-967-6160)
   CENTURYLINK (LUKE PILON 541-484-8887)
   COMCAST (GABE NORBURY 541-731-1498).
2. COMCAST TO FURNISH ALL COMCAST CONDUIT AND SWEEPS TO CONTRACTOR FOR INSTALLATION AS IDENTIFIED. COORDINATE WITH COMCAST (GABE NORBURY 541-731-1498) FOR CONDUIT AND SWEEPS.
3. COMCAST TO FURNISH AND INSTALL COMCAST VAULTS. COORDINATE WITH COMCAST (GABE NORBURY 541-731-1498)
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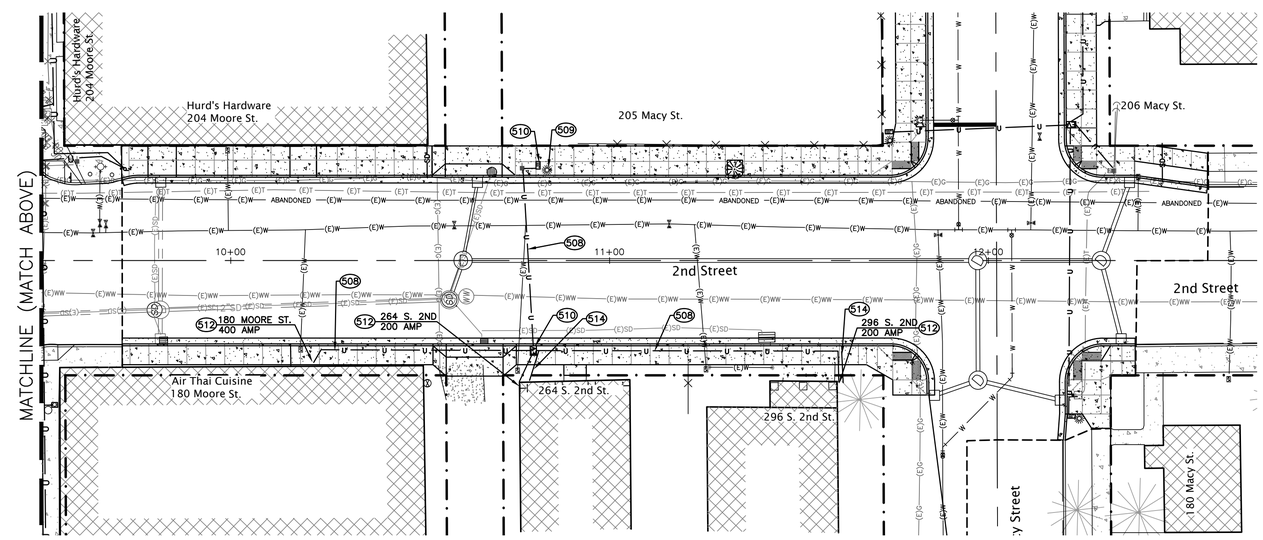
6. CONTRACTOR TO SUPPLY PACIFIC POWER CONDUITS AS REQUIRED PER PACIFIC POWER SPECIFICATIONS. CONTACT ELKE VATH 541-967-6160)



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date:	JANUARY 28, 2020
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designer:	GAM
project no:	17-009F

Electrical & Communications Plan

sheet: C23

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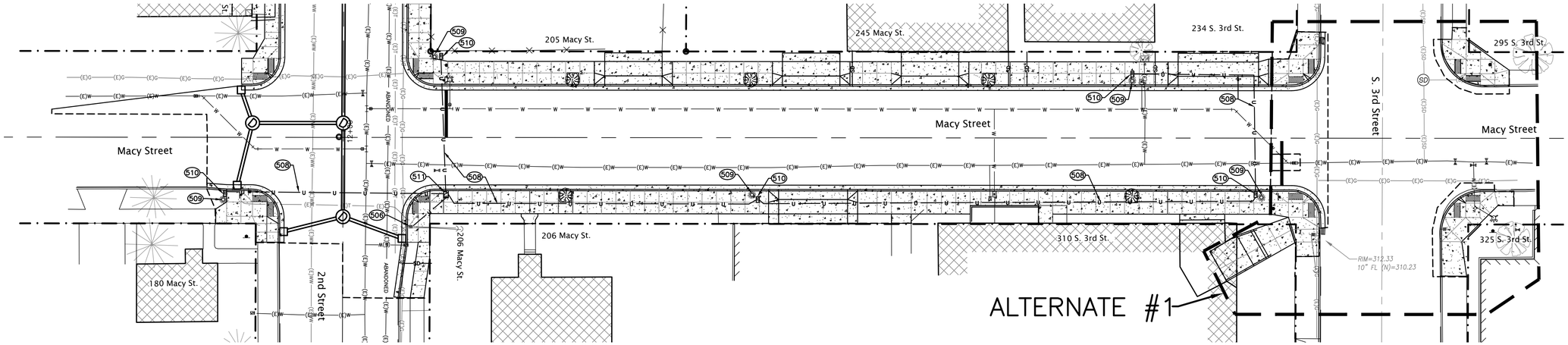

GENERAL NOTE

CONTRACTOR TO POTHOLE EXISTING UTILITIES WHERE THERE IS UTILITY CROSSING AND NOTIFY THE ENGINEER IF THERE IS A CONFLICT.

CONSTRUCTION NOTES

506 — EXISTING POWER POLE (AND ANCHOR) TO REMAIN. CONTRACTOR TO COORDINATE WITH PACIFIC POWER AND LIGHT (CONTACT ELKE VATH 541-967-6160)

508 — CONTRACTOR TO INSTALL UTILITY CONDUITS IN JOINT UTILITY TRENCH. UTILITY CONDUIT AND SIZE AS INDICATED ON PACIFIC POWER, COMCAST AND CENTURYLINK PLANS. SEE GENERAL NOTES BELOW.

509 — CONTRACTOR TO FURNISH AND INSTALL PRECAST FOOTING FOR LIGHT POLE (OLDCASTLE PRECAST 5CL-LB WITH 11" DIAMETER BOLT CIRCLE AND 1" DIA BOLTS, 36" LONG WITH 4" HOOK, GALVANIZED). CONTRACTOR TO PROVIDE 1" PVC SCH40 GRAY CONDUIT FROM LIGHT POLE FOUNDATION TO ADJACENT HANDHOLE. COORDINATE WITH PP&L.

510 — CONTRACTOR TO INSTALL PP&L PROVIDED JUNCTION BOXES AS REQUIRED. CONTRACTOR TO COORDINATE WITH PACIFIC POWER AND LIGHT (CONTACT ELKE VATH 541-967-6160).

511 — CONTRACTOR TO INSTALL PP&L PROVIDED ABOVE GROUND SECONDARY PEDESTAL BOX. CONTRACTOR TO COORDINATE WITH PACIFIC POWER AND LIGHT (CONTACT ELKE VATH 541-967-6160).

N

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

GENERAL NOTE:
1. PACIFIC POWER AND LIGHT TO SHARE JOINT UTILITY TRENCH WITH CENTURYLINK, COMCAST AND OTHERS AS REQUIRED. CONTRACTOR TO COORDINATE WITH ALL UTILITIES AND THEIR REQUIREMENTS.
   PACIFIC POWER & LIGHT (ELKE VATH 541-967-6160)
   CENTURYLINK (LUKE PILON 541-484-8887)
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6. CONTRACTOR TO SUPPLY PACIFIC POWER CONDUITS AS REQUIRED PER PACIFIC POWER SPECIFICATIONS. CONTACT ELKE VATH 541-967-6160)

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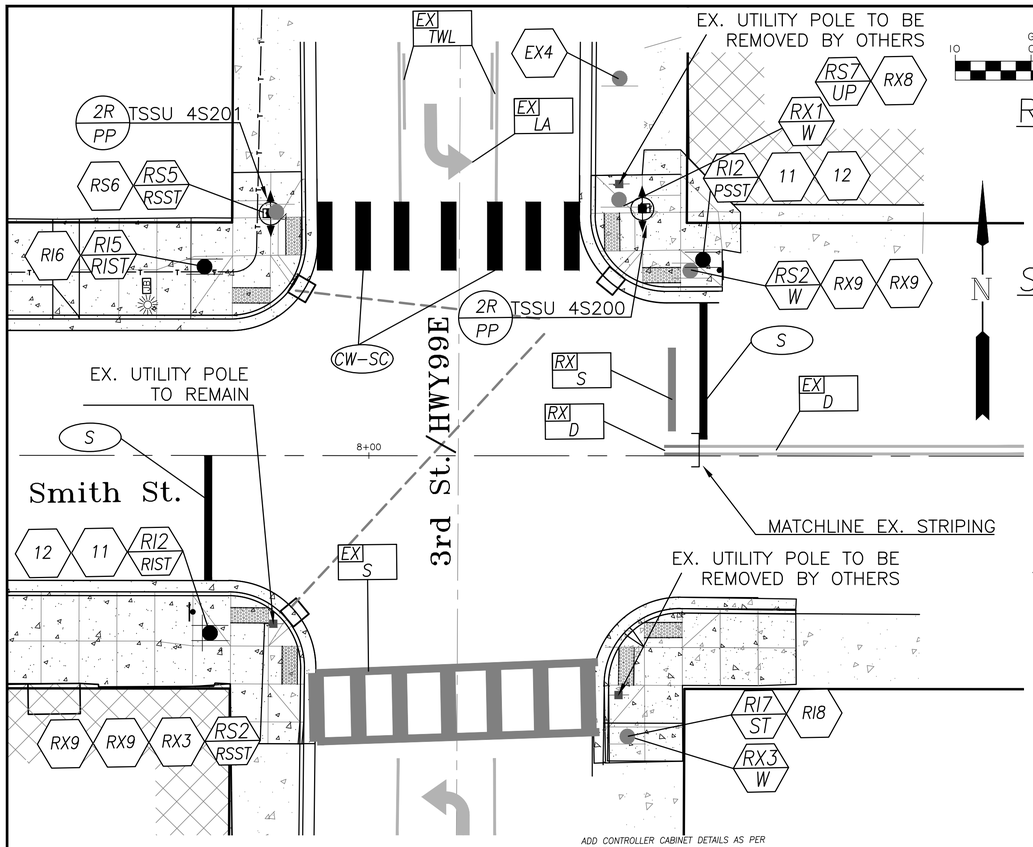
FLASHING BEACON PLAN
OR–99E ALBANY–JUNCTION CITY HWY
AT SMITH STREET (HARRISBURG)
HIGHWAY 058 AT M.P. 28.59



RRFB CONSTRUCTION NOTES:

XR / PP — INSTALL (X=NUMBER) SIDED WIRELESS AND SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON SYSTEM, AND PEDESTRIAN PUSH BUTTON ON VEHICLE SIGNAL PEDESTAL FOUNDATION. SEE ADDITIONAL DETAILS THIS SHEET

NOTE: USE ONLY GREEN SHEET LISTED RRFB SYSTEMS

STRIPING NOTES:

EX / T — MAINTAIN AND PROTECT EXISTING STRIPING (T=TYPE)

RX / T — REMOVE STRIPING (T=TYPE) USING AN APPROVED METHOD PER CURRENT ODOT STANDARD SPECIFICATIONS

CW–SC — CONSTRUCT CONTINENTAL CROSSWALK PER ODOT STANDARD DRAWINGS TM503 AND TM530

S — CONSTRUCT (S) STANDARD 1'–0" STOP BAR PER ODOT STANDARD DRAWING TM503

REFER TO STANDARD DRAWINGS TM530, TM560 AND TM561 FOR STRIPING INSTALLATION DETAILS

ALL LONGITUDINAL MARKINGS SHALL BE EXTRUDED OR SPRAYED THERMOPLASTIC APPLIED USING METHOD AB.

TRANSVERSE MARKINGS AND LEGENDS SHALL BE TYPE B–HS PREFORMED FUSED THERMOPLASTIC FILM HIGH SKID.

SIGNING NOTES:

EXN — MAINTAIN AND PROTECT EXISTING SIGN (N) AND SIGN SUPPORT

RXN — REMOVE EXISTING SIGN (N) AND RETURN TO ODOT DISTRICT 4 MAINTENANCE OFFICE.

RSN — REMOVE AND SAVE EXISTING SIGN (N)

RXN / M — REMOVE EXISTING SIGN (N) AND (M) SIGN SUPPORT. RETURN TO ODOT DISTRICT 4 MAINTENANCE

RSN / M — REMOVE AND SAVE EXISTING SIGN (N) AND REMOVE (M) SIGN SUPPORT

RSN / RSM — REMOVE AND SAVE EXISTING SIGN (N) AND (M) SIGN SUPPORT

RIN / RIM — REINSTALL EXISTING SIGN (N) AND (M) SIGN SUPPORT

RIN / M — REINSTALL EXISTING SIGN (N) ON NEW (M) SIGN SUPPORT.

N — INSTALL NEW SIGN (N)

N / M — INSTALL NEW SIGN (N) ON NEW (M) SIGN SUPPORT

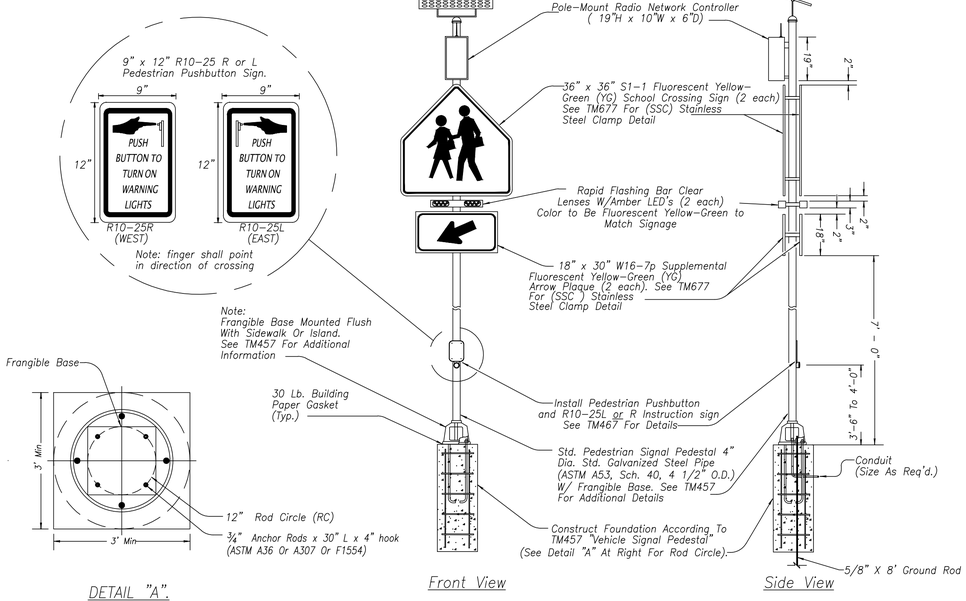
N = SIGN NUMBER
M = MATERIAL
MATERIAL OPTIONS ARE
- W = WOOD
- ST = PERFORATED STEEL TUBE
- SSC = STAINLESS STEEL CLAMP
- MP = MILEPOST MARKER FRAME
- G = GALVANIZED STEEL (ROUND)
- UP = UTILITY POLE MOUNTED

= EXISTING SIGN

TRAFFIC SECTION APPROVAL–SCOTT CRAMER		
HWY: 058	TSSU NO.	TRS
MP: 28.59	4S200 4S201	20239

POLE ENTRANCE CHART

		SEE ODOT STANDARD DRAWINGS TM650 AND TM53	EQUIPMENT ON POLE		
POLE NO.	TRS DWG. NO.	TYPE	PED. SIGNAL DEG.	PED PUSH BUTTON DEG.	SIGN DEG.
4S201	20239	PP	180	180	0,180
4S200	20239	PP	180	180	0,180



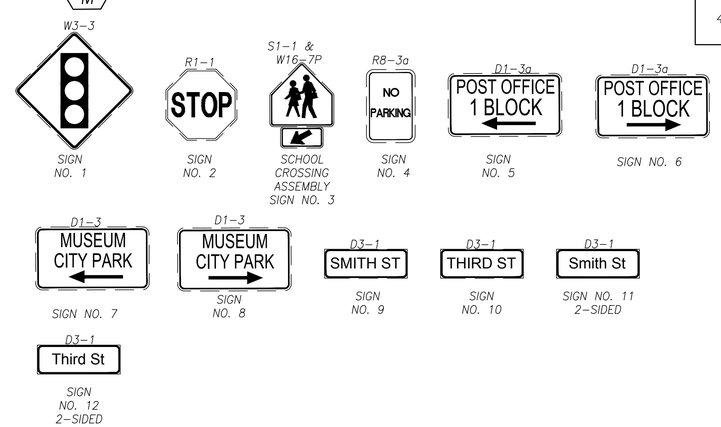
DETAIL "A".

Front View

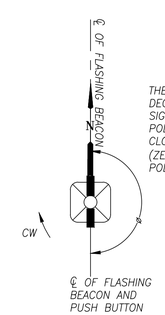
Side View

NOTE: CONTACT ODOT REGION 2 SIGNAL OPERATIONS ENGINEER TWO WEEKS PRIOR TO TURN ON FOR TIMING PARAMETERS.

RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION (TWO SIDED)
NOT TO SCALE



ALL NEW SIGNAGE SHALL MEET ODOT MATERIAL SPECIFICATIONS IDENTIFIED ON THE ODOT QUALIFIED PRODUCTS LIST AND SHALL BE INSTALLED IN COMPLIANCE WITH ODOT STANDARD DRAWINGS TM221, TM223, TM676, TM681, TM687, AND TM688 WHERE APPLICABLE. NEW STREET NAME SIGNS SHALL BE 2–SIDED ON ALUMINUM SUBSTRATE, AND SHALL BE MOUNTED AT TOP OF POST WITH SQUARE TUBE TOP FLAT BLADE MOUNT AND CROSS MOUNT.



THE NORTH ARROW SHOWN RELATES TO ZERO DEGREES ON PEDESTRIAN AND VEHICLE SIGNAL POLES. DEGREES SHOWN IN THE POLE ENTRANCE CHART SHOW THE DEGREES CLOCKWISE FROM PLAN SHEET NORTH ARROW (ZERO) TO EQUIPMENT LOCATED ON THE POLE.

NOTE:
EQUIPMENT SHOWN ON THE ORIENTATION DIAGRAM IS A CLARIFICATION OF ANGLES OF EQUIPMENT THAT MAY BE LOCATED ON A PEDESTRIAN PEDESTAL OR VEHICLE PEDESTAL.

PEDESTRIAN PEDESTAL ORIENTATION DIAGRAM

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revisions:

date:	JANUARY 28, 2020
drawn by:	GAM
designer:	GAM
project no:	17-009F

RRFB Detail Alternative #1

sheet: C25

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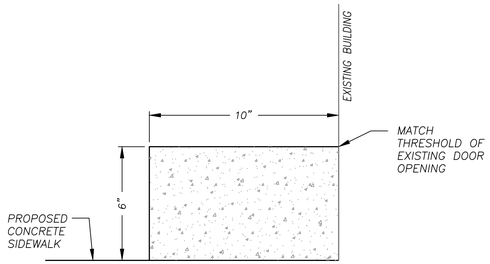
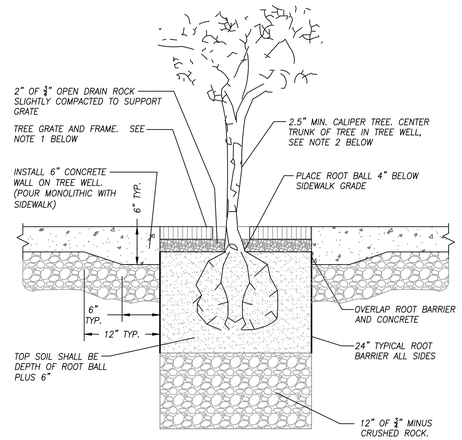
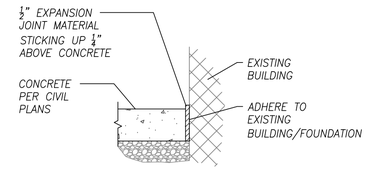


1 CONCRETE STEP
SCALE: NONE

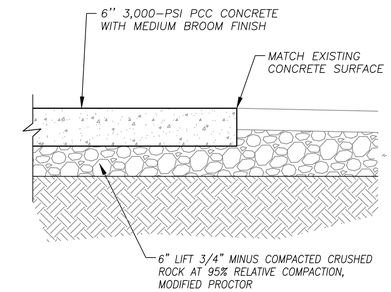


NOTES:
1. TREE GRATE TO BE 48"X48", ADA COMPLIMENT, CAST IRON US FOUNDRY MODEL #9527 OR EQUIVALENT, AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE ALL INSTALLATION HARDWARE.
2. TREES SHALL BE RAYWOOD ASH, TULIP, AND LINDEN. TREE LAYOUT SHALL ALTERNATE TREE SPECIES. COORDINATE WITH CITY STAFF FOR EXACT TREE SPECIES LAYOUT.

2 TREE WELL DETAIL
SCALE: NONE

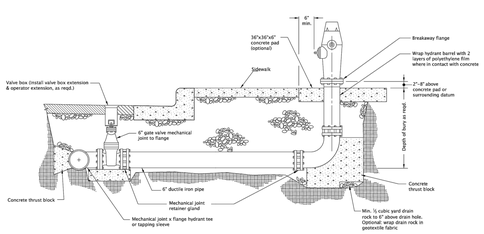


3 EXPANSION JOINT
SCALE: NONE



4 CONCRETE SLAB
SCALE: NONE

HYDRANT ASSEMBLY



GENERAL NOTES FOR ALL DETAILS:
1. When pipe is shorter than 18', no joints allowed. Use mechanical joint retainer glands. Two ¾" galvanized tie rods may be used in lieu of thrust blocks for installations less than 18' long. Coat tie rods with two coats of coal tar epoxy.
2. When pipe is longer that 18' retainer glands not required.
3. There shall be a minimum of 18" horizontal clearance around hydrant.
4. When placed adjacent to curb, hydrant port shall be 24" from face of curb.
5. Concrete thrust blocks shall be constructed as per thrust blocking Std. Dwg. RD250. Do not block drain holes.
6. Extensions required for hydrant systems shall be installed to the manufacturer's specifications.
7. Hydrants shall be placed to provide a minimum of 5' clearance from driveways, poles, and other obstructions.
8. Hydrant pumper port shall face direction of access.
9. Set hydrant plumb in all directions.
10. See project plans for details not shown.

CALC. BOOK NO. N/A — BASELINE REPORT DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

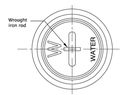
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
HYDRANT INSTALLATION
2018

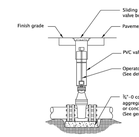
DATE	REVISION DESCRIPTION

RD254 — Effective Date: December 1, 2019 - May 31, 2020

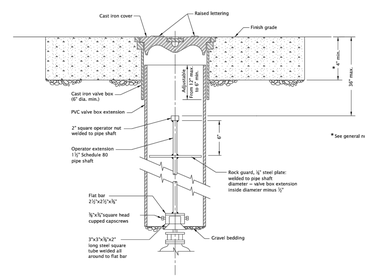
COVER PLAN



VALVE BOX ASSEMBLY DETAIL



VALVE BOX EXTENSION SECTION



GENERAL NOTES FOR ALL DETAILS:
1. Valve box not to rest on operating assembly.
2. Operator extension required when valve nut is deeper than 4' from finish grade.
3. Center valve box on axis of operator nut.
4. Valves 12" and smaller shall be provided with compacted aggr. base on undisturbed ground. Valves greater than 12" shall be installed on precast concrete block, (4" thick).
5. Welds shall be minimum ⅛" all around.
6. Hot dip galvanize operator extension after fabrication.
7. Casting shall meet H20 load requirements.
8. Provide concrete or asphalt pad (24" square, 4" thick), when required.
9. See project plans for details not shown.

CALC. BOOK NO. N/A — BASELINE REPORT DATE 25-JUL-2017

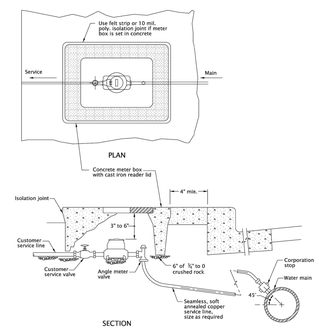
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
VALVE BOX AND OPERATOR EXTENSION ASSEMBLY
2018

DATE	REVISION DESCRIPTION

RD258 — Effective Date: December 1, 2019 - May 31, 2020



GENERAL NOTES FOR ALL DETAILS:
1. Meter to be centered and set plumb inside meter box.
2. Manufactured meter setter may be used for ¾" to 2" services.
3. Set meter box 4" minimum behind curb or sidewalk.
4. Meter boxes set in driveways shall have traffic lids.
5. See project plans for meter box size.
6. See project plans for details not shown.

CALC. BOOK NO. N/A — BASELINE REPORT DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
¾" TO 2" WATER SERVICE CONNECTION
2018

DATE	REVISION DESCRIPTION

RD274 — Effective Date: December 1, 2019 - May 31, 2020

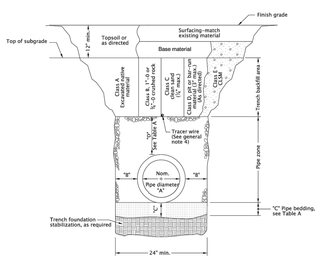


TABLE A

"A" (in)	"B" (in)	"C" (in)	"D" (in)
4	10	4	8
6	10	4	8
8	10	6	10
10	10	6	10
12	12	6	10
15	12	6	10
18	16	6	12
21	16	6	12
24	18	6	12
30	18	6	12
36	24	6	14
42	24	6	14
48	24	6	14
54	24	6	14
60	24	6	14
66	24	6	14
72	24	6	14

For pipes over 72" diameter, see general note 3.

MULTIPLE INSTALLATIONS

DIAMETER	MIN. SPACE BETWEEN PIPES
Up to 48"	24"
48" to 72"	One half (½) dia. of pipe

GENERAL NOTES FOR ALL DETAILS:
1. Surfacing of paved areas shall comply with street cut Std. Dwg. RD302.
2. For pipe installation in embankment areas where the trench method will not be used and the pipe is ≥ 36" diameter, increase dimension "B" to nominal pipe diameter.
3. Pipes over 72" diameter are structures, and are not applicable to this drawing.
4. See Std. Dwg. RD336 for tracer wire details (When required).

CALC. BOOK NO. N/A — BASELINE REPORT DATE 14-JUL-2014

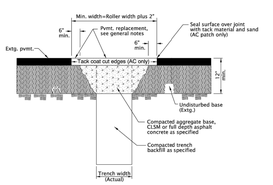
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
TRENCH BACKFILL, BEDDING, PIPE ZONE AND MULTIPLE INSTALLATIONS
2018

DATE	REVISION DESCRIPTION

RD300 — Effective Date: December 1, 2019 - May 31, 2020



GENERAL NOTES FOR ALL DETAILS:
1. All existing AC or PCC pavement shall be sawcut prior to repaving.
2. Concrete pavement shall be replaced with concrete to a minimum thickness of 6" or to the thickness of removed pavement, whichever is greater.
3. Place AC mix minimum thkn. of 4" or the thkn. of the removed pavement, whichever is greater. Compact as specified.

CALC. BOOK NO. N/A — BASELINE REPORT DATE 12-JUN-2008

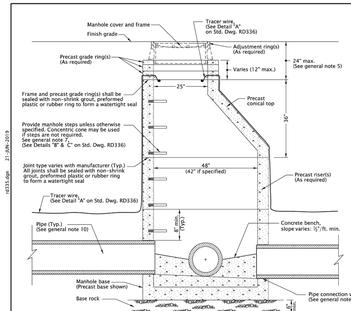
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

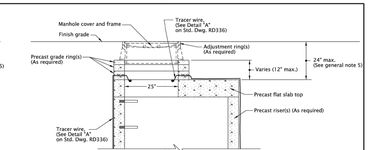
OREGON STANDARD DRAWINGS
STREET CUT
2018

DATE	REVISION DESCRIPTION

RD302 — Effective Date: December 1, 2019 - May 31, 2020



MANHOLE WITH PRECAST CONICAL TOP



MANHOLE WITH PRECAST FLAT SLAB TOP

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
1. All precast products shall conform to requirements of ASTM C478.
2. Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
3. See Std. Dwg. RD345 for pipe to manhole connections.
4. See Std. Dwg. RD344 for manhole base section.
5. Adjust 24" maximum.
6. All connecting pipes shall have a tracer wire, or approved alternate.
7. See Std. Dwg. RD336 for manhole steps.
8. See Std. Dwg. RD336 for details not shown.
9. See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.
10. Max. pipe diameter varies with pipe material.
11. See Std. Dwg. RD342 for shallow manholes.
12. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

CALC. BOOK NO. N/A — BASELINE REPORT DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
STANDARD STORM SEWER MANHOLE
2018

DATE	REVISION DESCRIPTION
06-2019	MINOR NOTE
06-2019	ADDED DETAIL FIELD

RD335 — Effective Date: December 1, 2019 - May 31, 2020

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Springfield OR | Albany OR

REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER

EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation
Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

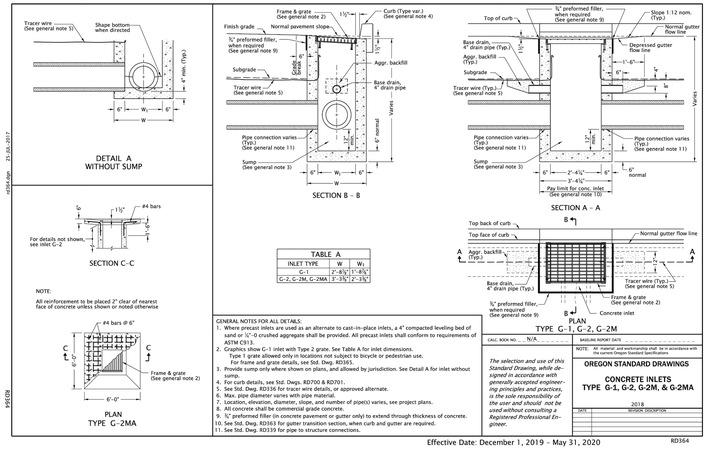
revisions:

date: JANUARY 28, 2020
drawn by: GAM
designer: GAM
project no: 17-009F

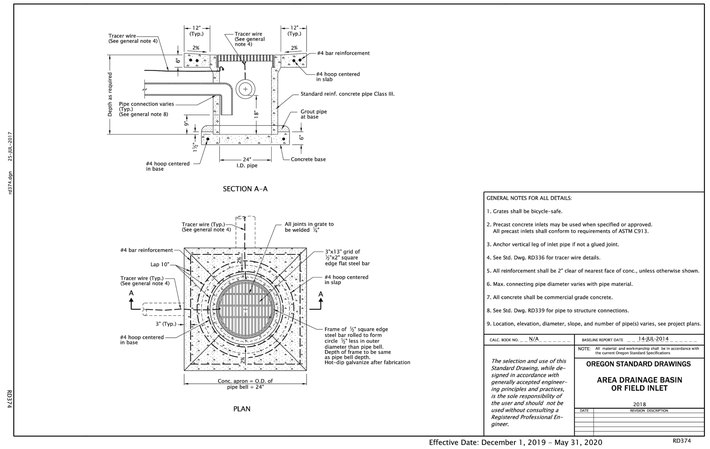
Details

sheet: C26

Z:\2017\17-009F Harrisburg Smith Street\Drawing\17-009F Street Improvements - Details.dwg 1/27/2020 8:29 PM JULIE



Effective Date: December 1, 2019 – May 31, 2020



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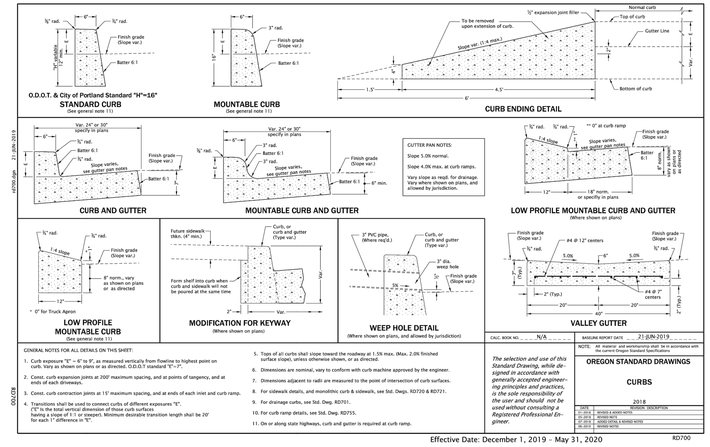

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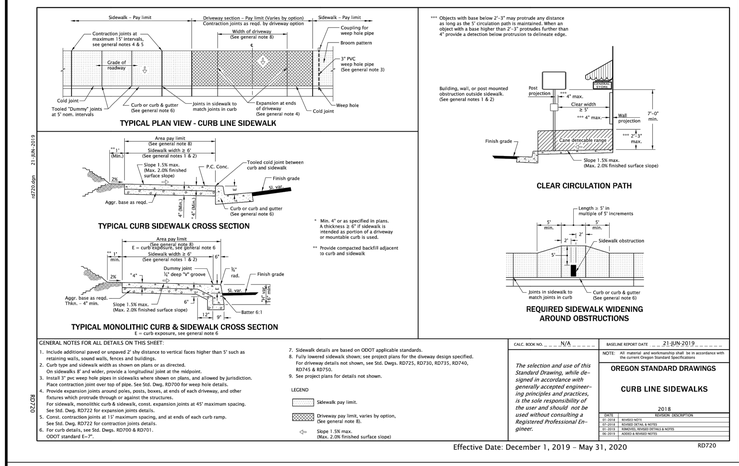
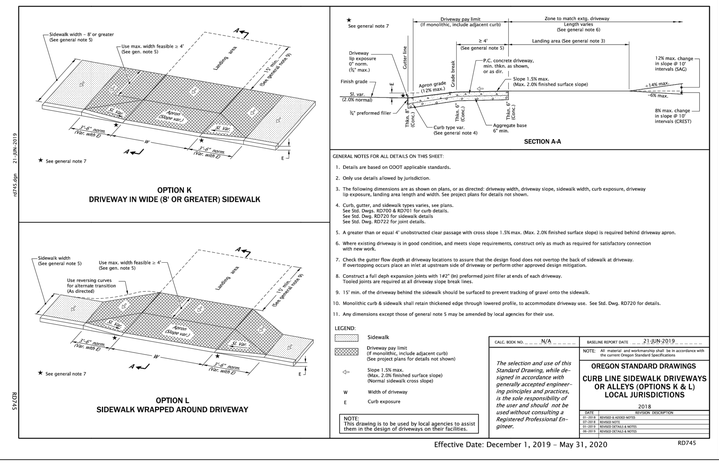
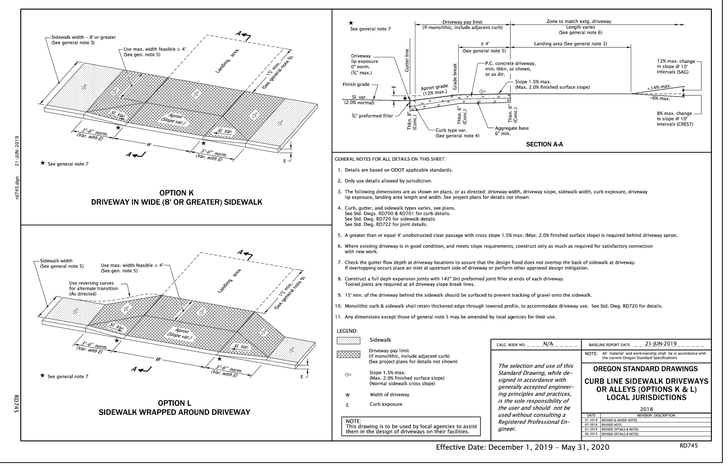


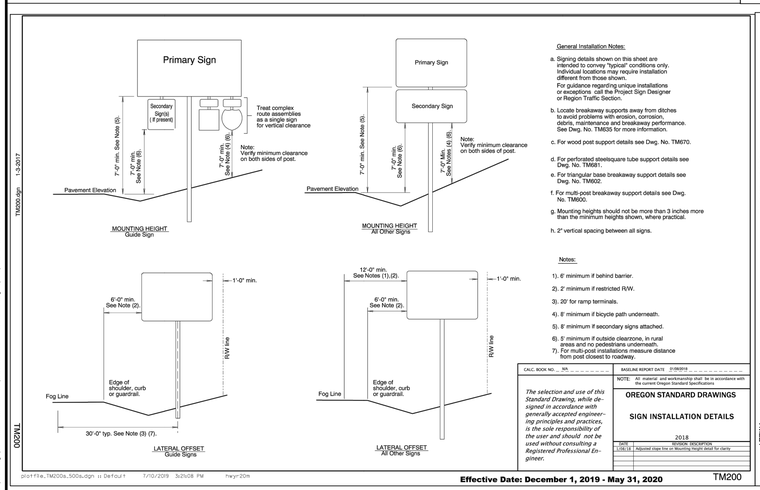
Effective Date: December 1, 2019 – May 31, 2020

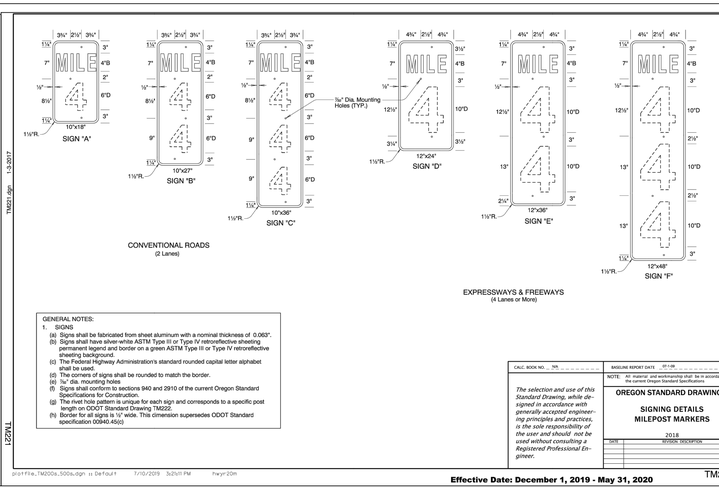


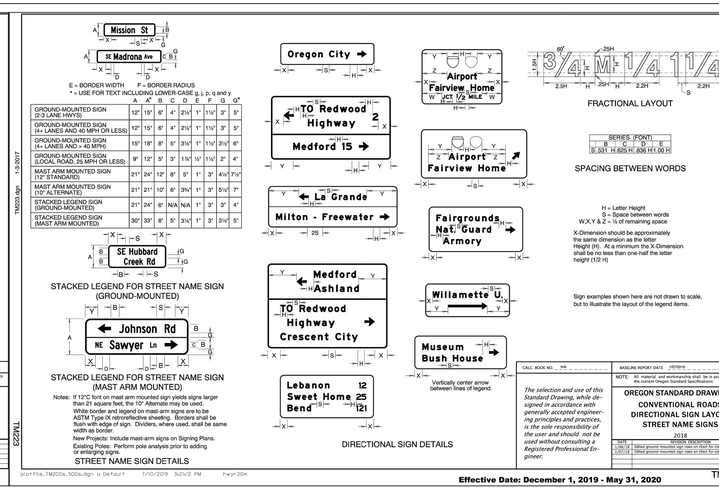
Effective Date: December 1, 2019 – May 31, 2020



Effective Date: December 1, 2019 – May 31, 2020







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EXPIRES: DECEMBER 31, 2020

project title:

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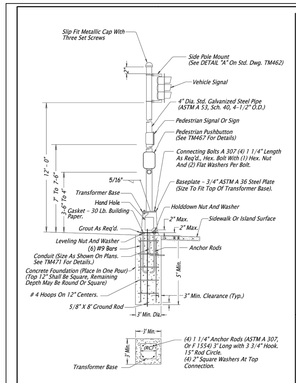
Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

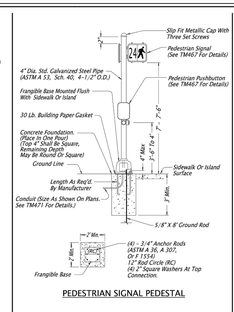
date: JANUARY 28, 2020
drawn by: GAM
designer: GAM
project no: 17-009F

Details

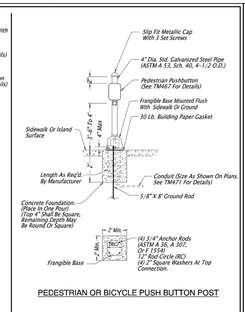
sheet: C27



VEHICLE SIGNAL PEDESTAL



PEDESTRIAN SIGNAL PEDESTAL



PEDESTRIAN OR BICYCLE PUSH BUTTON POST

General Notes:

1. All Bolts, Nuts And Washers Shall Conform To D2560.20 And Be Galvanized Steel According To D2560.40 Unless Noted Otherwise.
2. All Anchor Rods Shall Be Galvanized Steel Conforming To D2560.30.
3. All Pole Entrances Containing Wiring Shall Be Smooth.
4. Install 1/4" Thick Preformed Expansion Joint Filler Around Footing In Sidewalk Area As Per TM653.
5. Top Of Foundations Shall Have 0" - 1/4" Exposure Above Finish Grade.
6. Flat Side Of Foundation Should Line Up With Back Of Sidewalk.

CALC. BOOK NO. ... N/A ... BASELINE REPORT DATE ... 2-Jul-2014A ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

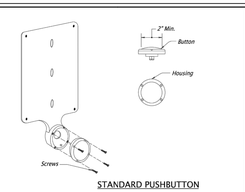
VEHICLE, PEDESTRIAN SIGNAL AND PUSHBUTTON MOUNTING OPTION DETAILS

2018

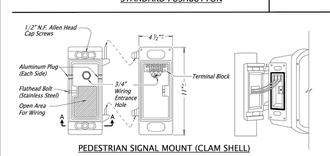
DATE	REVISION DESCRIPTION
07/18	Added Reference To Several Notes

TM457

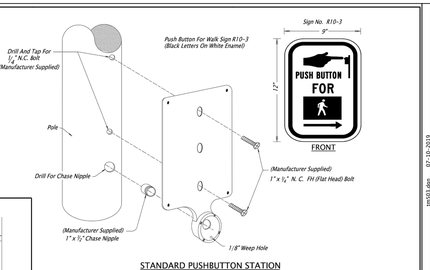
Effective Date: December 1, 2019 - May 31, 2020 TM457



STANDARD PUSHBUTTON



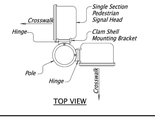
PEDESTRIAN SIGNAL MOUNT (CLAM SHELL)



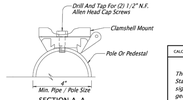
STANDARD PUSHBUTTON STATION AND INSTRUCTION SIGN

NOTES:

1. Where Two Heads Are Side Mounted On 4" Conduit, Proper Clearance Shall Be Maintained To Allow Legend To Be Fully Visible.
2. Clam Shells To Be Oriented So That The Heads Can Be Opened For Maintenance. (Verify Hinge Placement Of Clamshell).



TOP VIEW



SECTION A-A

CLAM SHELL ORIENTATION

General Notes:

1. All Screws, Bolts, Nuts And Washers Shall Be Type 304 Or 316 Stainless Steel Unless Noted Otherwise.
2. Bolts And Screws Shall Have Square Or Hex Heads. Allen Head Fasteners Not Allowed.
3. Drill And Tap As Per Orientation Shown On Plan Details.

CALC. BOOK NO. ... N/A ... BASELINE REPORT DATE ... 2-Jul-2014A ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

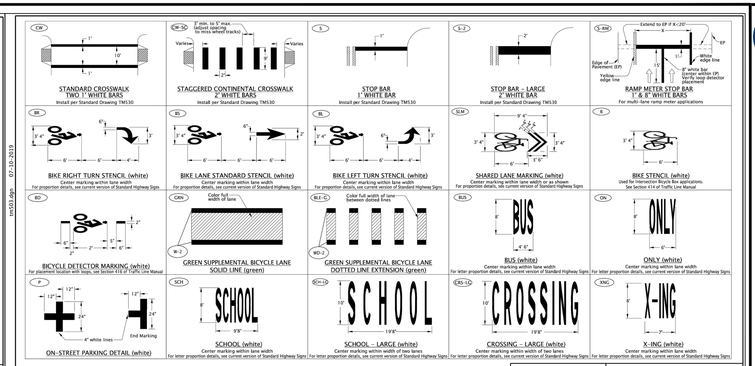
PEDESTRIAN SIGNAL MOUNT AND PEDESTRIAN PUSHBUTTON DETAILS

2018

DATE	REVISION DESCRIPTION
07/18	Modified General Notes, Removed Redundant Notes And Modified Drawing Title

TM467

Effective Date: December 1, 2019 - May 31, 2020 TM467



General Note:

1. Arrow, letter, and bike symbol dimensions nominal.

LEGEND

Direction of Travel

CALC. BOOK NO. ... N/A ... BASELINE REPORT DATE ... 01/01/2013 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

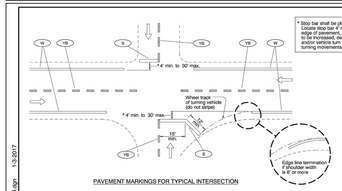
PAVEMENT MARKING STANDARD DETAIL BLOCKS

2018

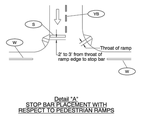
DATE	REVISION DESCRIPTION

TM503

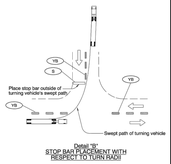
Effective Date: December 01, 2019 - May 31, 2020 TM503



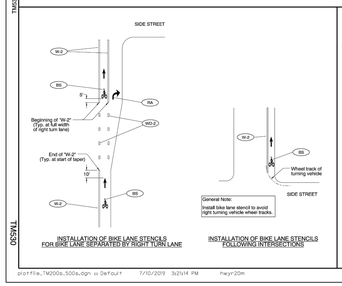
PAVEMENT MARKINGS FOR TYPICAL INTERSECTION



Detail "A"
STOP BAR PLACEMENT WITH RESPECT TO PEDESTRIAN RAMPS

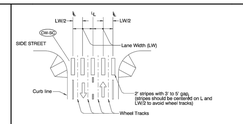


Detail "B"
STOP BAR PLACEMENT WITH RESPECT TO TURN RADII

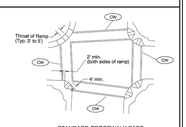


INSTALLATION OF BIKE LANE STENCILS FOR BIKE LANE SEPARATED BY RIGHT TURN LANE

INSTALLATION OF BIKE LANE STENCILS FOLLOWING INTERSECTIONS



STAGGERED CONTINENTAL LAYOUT



STANDARD CROSSWALK BARS AT INTERSECTION

General Note:

1. Install crosswalk bars such that the throat of the ADA ramp is entirely within crosswalk markings, or 3' back of extended fog line, edge of pavement, or curb face.

LEGEND

Direction of Travel

Lane line dimensions are shown on the striping plans

To be accompanied by Standard Dwg. Nos. TM500 thru TM503

CALC. BOOK NO. ... N/A ... BASELINE REPORT DATE ... July 9, 2019 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR & BIKE LANE STENCIL)

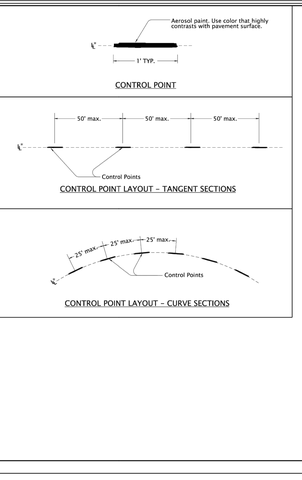
2018

DATE	REVISION DESCRIPTION

TM530

drotfile,TM200s,500s.dgn is Default 7/10/2019 3:25:14 PM Hwy:20m

Effective Date: December 1, 2019 - May 31, 2020 TM530



General note:

1.) Use control points to make continous narrow guideline as specified.

* Control points are placed along the lane line for all longitudinal lines except the following:

NO - For center lines only	A control point layout 4" offset from the lane line is required for a NO line when used as a center line.

To be accompanied by Standard Dwg. Nos. TM500 thru TM503

CALC. BOOK NO. ... N/A ... BASELINE REPORT DATE ... 01/01/2013 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

ALIGNMENT LAYOUT: GENERAL

2018

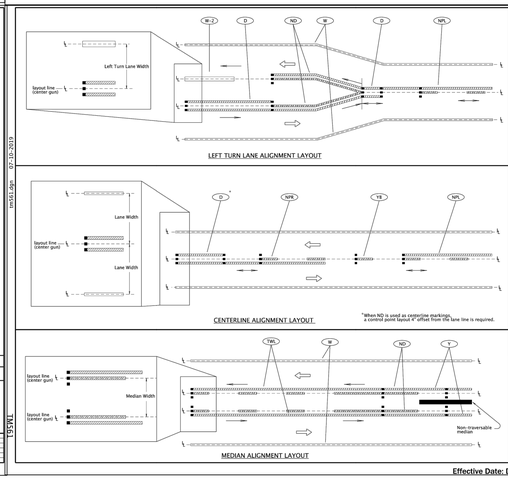
DATE	REVISION DESCRIPTION

TM560

LEGEND

Lane line dimensions are shown on the striping plans.

Effective Date: December 01, 2019 - May 31, 2020 TM560



LEFT TURN LANE ALIGNMENT LAYOUT

CENTERLINE ALIGNMENT LAYOUT

MEDIAN ALIGNMENT LAYOUT

*When NO is used as centerline markings, a control point layout 4" offset from the lane line is required.

General note:

1) Install control points for pavement marking layout using the center gun location.
2) Increasing stationing from left to right

LEGEND

Direction Of Travel and Thru Traffic Side.

Lane line dimensions are shown on the striping plans.

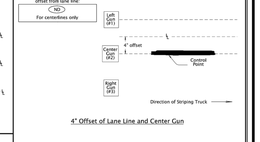
Direction of striping truck (may go either direction)

Direction of striping truck (may go one direction only)

Three gun installation system (center dot represents center gun)

Line Types requiring a control point 4" offset from lane line:

NO - For centerlines only



4" Offset of Lane Line and Center Gun

To be accompanied by Standard Dwg. Nos. TM500 thru TM503

CALC. BOOK NO. ... N/A ... BASELINE REPORT DATE ... 01/01/2013 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

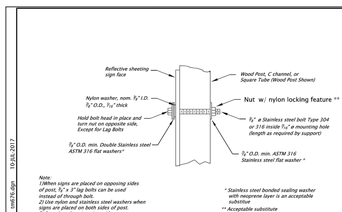
ALIGNMENT LAYOUT: LEFT TURN LANE, CENTERLINE & MEDIANS

2018

DATE	REVISION DESCRIPTION

TM561

Effective Date: December 01, 2019 - May 31, 2020 TM561



Note:
1)When signs are placed on opposing sides of post, 9/16" x 3" lag bolts can be used instead of through bolt.
2) Use nylon and stainless steel washers when signs are placed on both sides of post.
3) Burr threads at junction with nut to prevent nut loosening.
4) Post bolts to extend beyond the tightened nuts within the limits of 1/8" to 1".

* Stainless steel bonded sealing washer with neoprene layer is an acceptable substitute
** Acceptable substitute for nylon locking nuts: ANCO PN-LOC TRI-LOC® Top Lock Locknut

SIGN ATTACHMENT DETAIL

CALC. BOOK NO. ... 06-JUL-2015 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

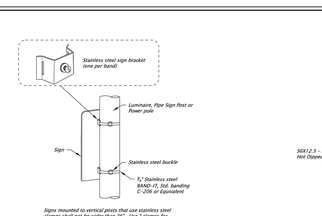
SIGN ATTACHMENTS

2018

DATE	REVISION DESCRIPTION

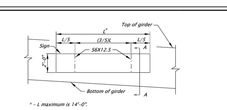
TM676

Effective Date: December 1, 2019 - May 31, 2020 TM676



STAINLESS STEEL CLAMP (SSC) DETAIL

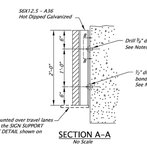
No Scale



* - L maximum is 14'-0".

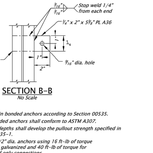
SIGN ELEVATION

No Scale



SECTION A-A

No Scale



SECTION B-B

No Scale

Notes:

1. Install resin bonded anchors according to Section D0535.
2. Resin bonded anchors shall conform to ASTM A307.
3. The hole depths shall develop the pullout strength specified in Table D0535-1.
4. Tighten 5/8" dia. anchors using 16 ft-lb of torque for waxed galvanized and 40 ft-lb of torque for galvanized only connections.

ROAD NAME SIGN STRUCTURE MOUNT DETAIL

GENERAL NOTES

1. For Secondary Sign Mounts See TM678.

CALC. BOOK NO. ... 06-JUL-2015 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

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OREGON STANDARD DRAWINGS

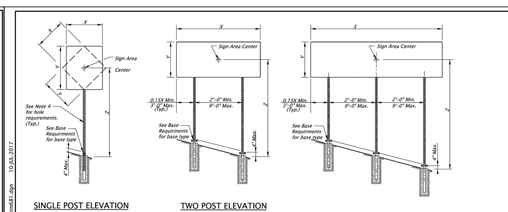
SIGN MOUNTS

2018

DATE	REVISION DESCRIPTION

TM677

Effective Date: December 1, 2019 - May 31, 2020 TM677



SINGLE POST ELEVATION

No scale

TWO POST ELEVATION

No scale

THREE POST ELEVATION

No scale

GENERAL NOTES:

1. Perforated Steel Square Supports are designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals 4th Edition, 2001, 2002, 2003, and 2006 interim revisions.
2. The sign basic wind speed (3 second gust) shall be according to the wind map shown on TM679.
3. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
4. Use 9/16" diameter holes at 1" spacing on each of the 4 sides.
5. Steel post shall have a minimum yield stress of 50 ksi.
6. Steel shall be galvanized according to ASTM A 123 with coating designation C90.
7. Permanent signing uses an $\alpha = 0.4$ for a $\beta = 3.0$ and $C = 1.0$, and $C = 1.14$.
8. Permanent signing uses an $\beta = 0.71$ for a recurrence interval of 10 years.
9. Temporary signing uses an $\alpha = 0.43$ for a recurrence interval of 1.5 years.
10. The sign width to sign height or sign height to sign width ratio shall not exceed 5.0.
11. For horizontal and vertical clearances of permanent signs refer to TM200 and of temporary signs refer to TM822.
12. Posts protected by barrier or guardrail do not require slip bases.

	(X * Y * Z) in ft³ - Maximum								
	3 Second Gust Wind Speed (TM675)								
	85 MPH			95 MPH			105 or 110 MPH		
	Number of Posts			Number of Posts			Number of Posts		
Square Tube Size	1	2	3	1	2	3	1	2	3
2" - 12 ga.	79	158	237	63	126	189	57	114	171
2½" - 12 ga.	136	272	408	109	218	327	98	196	294
2½" - 10 ga.	165	330	495	132	264	396	119	238	357
2½" & 2½" - 12 ga.	231	462	693	185	370	555	167	334	501

PERMANENT PERFORATED STEEL SQUARE TUBE TABLE

	(X * Y * Z) in ft³ - Maximum								
	3 Second Gust Wind Speed (TM675)								
	85 MPH			95 MPH			105 or 110 MPH		
	Number of Posts			Number of Posts			Number of Posts		
Square Tube Size	1	2	3	1	2	3	1	2	3
2" - 12 ga.	125	250	375	100	200	300	90	180	270
2½" - 12 ga.	215	430	645	172	344	516	155	310	465
2½" - 10 ga.	261	522	783	209	418	627	189	378	567
2½" & 2½" - 12 ga.	364	728	1092	292	584	876	263	528	789

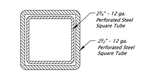
TEMPORARY PERFORATED STEEL SQUARE TUBE TABLE

* - See 2½" & 2½" - 12 ga. detail.

	Number of Posts		
Square Tube Size	1	2	3
2" - 12 ga.	Anchor	Anchor	N/A
2½" - 12 ga.	Anchor	Slip	Slip
2½" - 10 ga.	Slip	Slip	Slip
2½" & 2½" - 12 ga.	Slip	Slip	Slip

1. Anchor - See Drawing TM687 for PSST anchor installation details.
2. Slip - See Drawing TM688 for PSST slip base installation details.
3. N/A - Do not use this option.

BASE REQUIREMENTS



2½" - 12 ga. PSST to extend entire length inside of the 2½" - 12 ga. PSST.

2 1/16" & 2 1/2" - 12 GA. DETAIL

No scale

Accompanied by dwgs. ... TM200, TM671, TM687, TM688, TM689, TM822 ...

CALC. BOOK NO. ... 575X ... BASELINE REPORT DATE ... 10-JUL-2017 ...

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

PERFORATED STEEL SQUARE TUBE (PSST) SIGN SUPPORT INSTALLATION

2018

DATE	REVISION DESCRIPTION
07/18	Changed 2'-0" to 0.15X

TM681

Effective Date: December 1, 2019 - May 31, 2020 TM681

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REGISTERED PROFESSIONAL ENGINEER #53,800 DIGITALLY SIGNED OREGON JULY 9, 2001 GREGORY A. MOWER

EXPIRES: DECEMBER 31, 2020

project title:

CITY OF HARRISBURG
Smith, Macy, & 2nd Street Rehabilitation

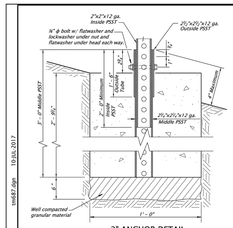
Smith - 1st To 3rd, Macy - 2nd To 3rd, 2nd - Smith To Macy
HARRISBURG, OREGON

revisions:

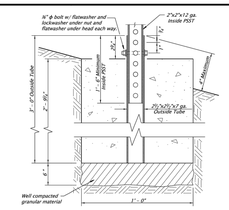
date: JANUARY 28, 2020
drawn by: GAM
designer: GAM
project no: 17-009F

Details

sheet: C28



2" ANCHOR DETAIL
No scale

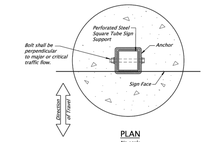


2" OPTIONAL ANCHOR DETAIL
No scale

2½" ANCHOR DETAIL
No scale

General Notes:

1. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
2. Anchor steel shall be hot dipped galvanized or approved equal.
3. Footing concrete shall be Commercial Grade Concrete (fc = 3000 psi) per Specification 00440. The CGC mixture may be accepted at the site of placement according to 00440.14.
4. The estimated concrete volume is .09 cubic yards.



PLAN
No scale

Accompanied by dwgs. TM681, TM688

CALC. BOOK NO. 5754 BASELINE REPORT DATE 06-JAN-2012

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

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OREGON STANDARD DRAWINGS

PERFORATED STEEL SQUARE TUBE (PSST) ANCHOR FOUNDATION

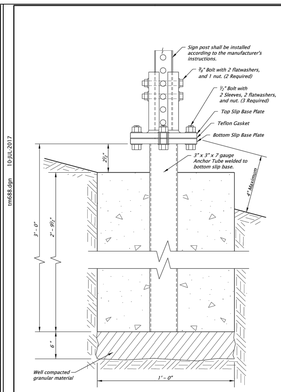
2018

DATE	REVISION DESCRIPTION

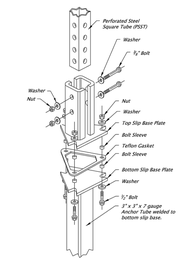
wed28.dgn 10:04:2017

TM687

Effective Date: December 1, 2019 - May 31, 2020 TM687



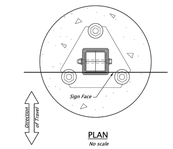
SLIP BASE ELEVATION
No scale



SLIP BASE EXPLODED VIEW
No scale

General Notes:

1. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
2. Slip base steel shall be hot dipped galvanized or approved equal.
3. Footing concrete shall be Commercial Grade Concrete (fc = 3000 psi) per Specification 00440. The CGC mixture may be accepted at the site of placement according to 00440.14.
4. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
5. All slip bases shall be pre-assembled by the manufacturer and shall be installed according to the manufacturer's instructions.
6. Use slip bases listed on the ODOT Qualified products list or submit crash testing data, installation instructions, and unstamped working drawings according to 00150.35.
7. The slip base shown is for use with a specific manufacturer and only shown to convey general pieces of a slip base system. Specific slip base material will be according to the manufacturer's documentation.



PLAN
No scale

Accompanied by dwgs. TM681, TM687

CALC. BOOK NO. 5754 BASELINE REPORT DATE 06-JAN-2012

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OREGON STANDARD DRAWINGS

PERFORATED STEEL SQUARE TUBE (PSST) SLIP BASE FOUNDATION

2018

DATE	REVISION DESCRIPTION

wed28.dgn 10:04:2017

TM688

Effective Date: December 1, 2019 - May 31, 2020 TM688

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Details

sheet: **C29**

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