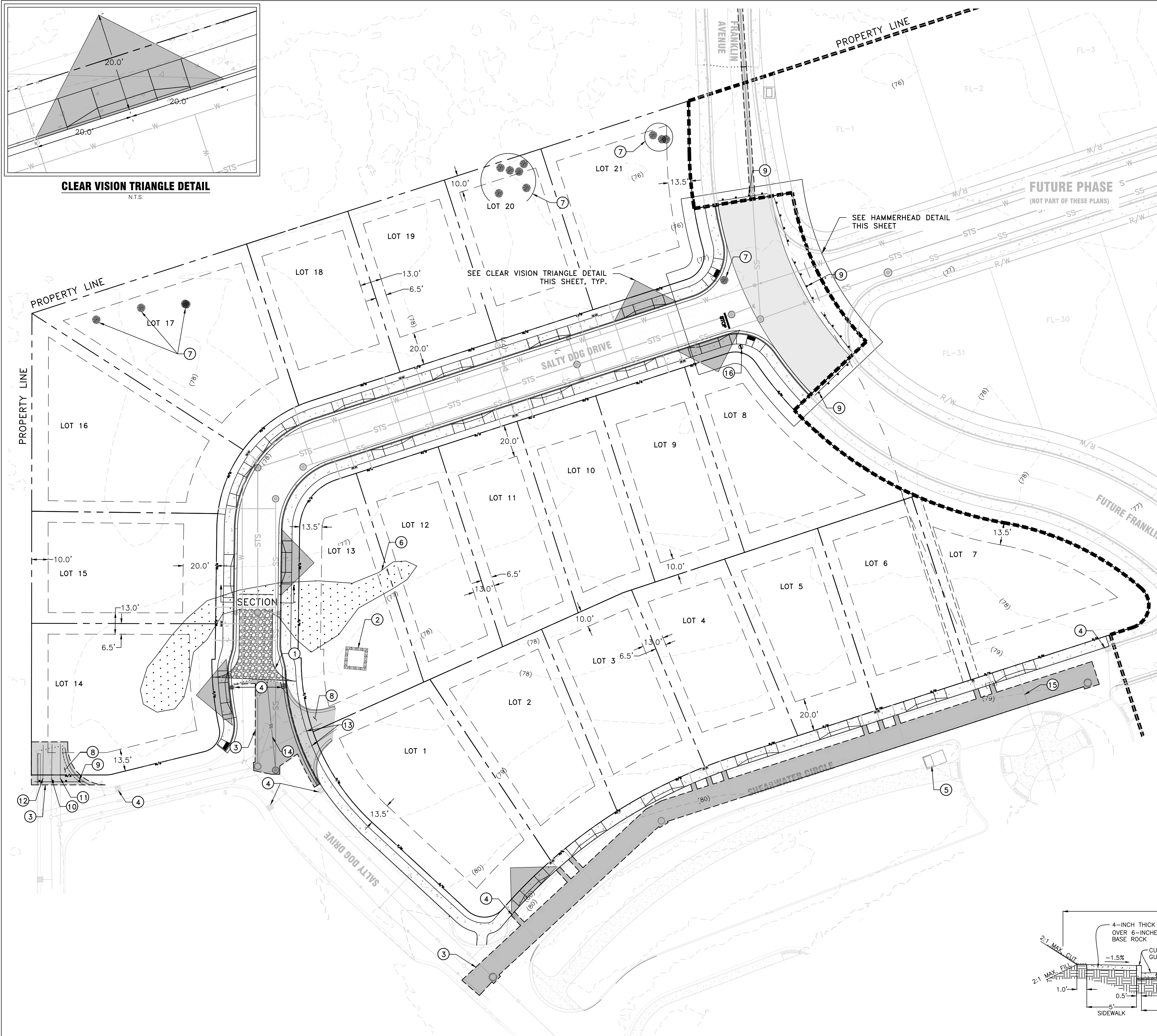


**CLEAR VISION TRIANGLE DETAIL**  
N.T.S.

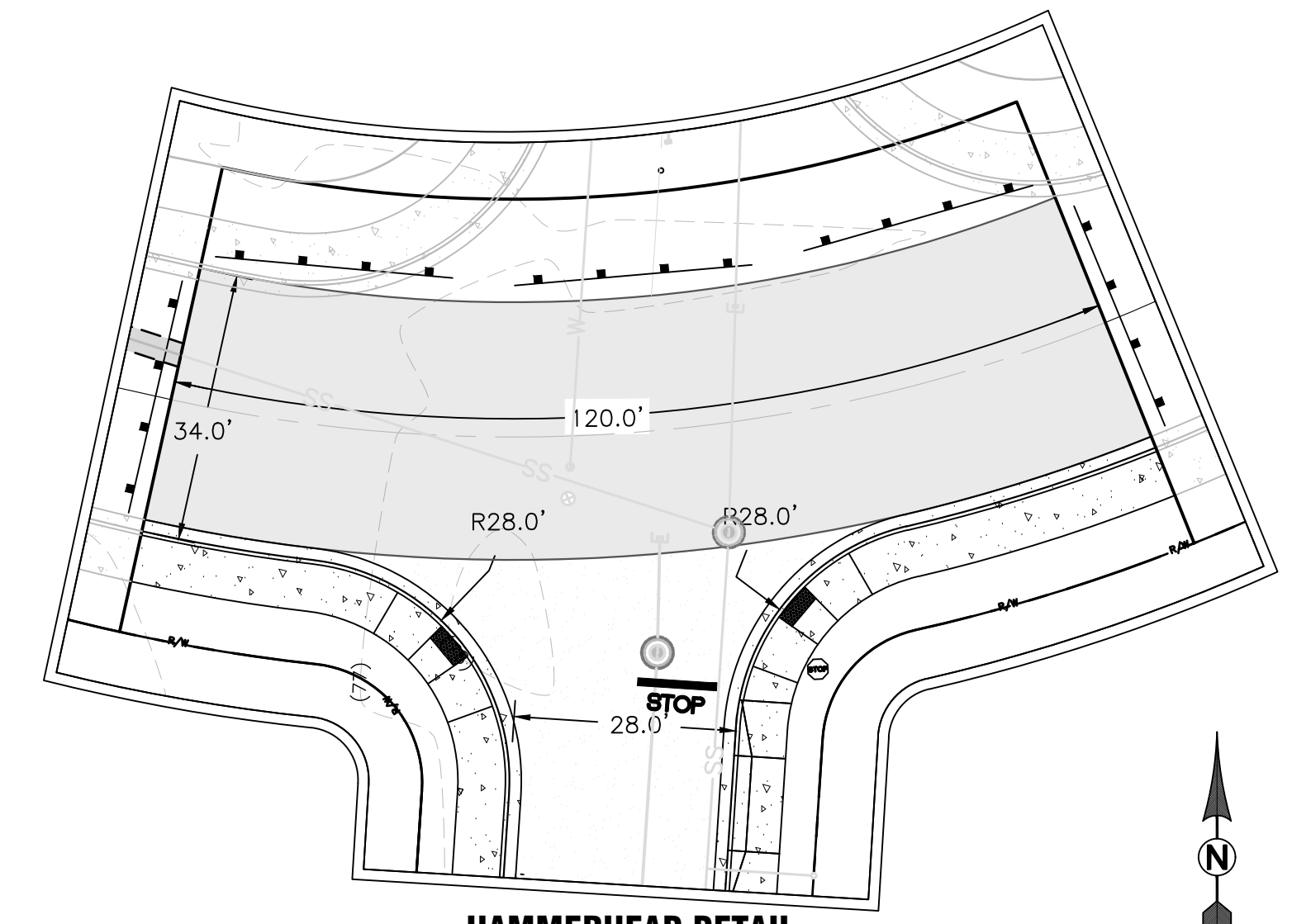


**KEYED DEMOLITION AND EROSION CONTROL NOTES #**

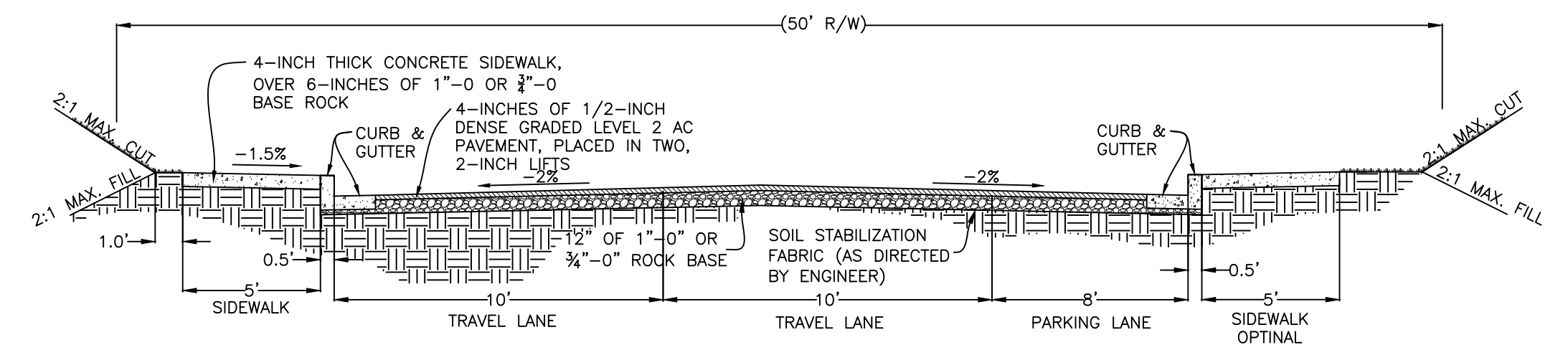
1. INSTALL CONSTRUCTION ENTRANCE PER DETAIL (1) (SD.1)
2. INSTALL CONCRETE WASHOUT PER DETAIL (3) (SD.1) LOCATION TO BE DETERMINED BY CONTRACTOR
3. SAW CUT TO NEAT EDGE. REMOVE AND DISPOSE OF EXISTING CONCRETE AND ASPHALT.
4. INSTALL INLET PROTECTION TYPE 7 PER DETAIL (5) (SD.1)
5. PROTECT EXISTING POWER STRUCTURE.
6. FILL AND REMOVE WETLAND PER SHEET C.8.
7. REMOVE AND DISPOSE OF TREES AND SHRUBS.
8. REMOVE HAMMERHEAD.
9. INSTALL ROAD CLOSURE BARRICADE PER DETAIL (4) (SD.1)
10. STUB OUT EXISTING STS PIPE. REMOVE AND DISPOSE OF PIPE INSIDE PROPERTY BOUNDARY.
11. CAP EXISTING SS PIPE. REMOVE AND DISPOSE OF PIPE INSIDE PROPERTY BOUNDARY.
12. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL (6) (SD.3) REMOVE AND DISPOSE OF WATERLINE EXTENDING PAST PROPERTY LINE.
13. REMOVE AND DISPOSE OF UTILITY PIPES AND LINES EXTENDING PAST PROPERTY LINE.
14. REMOVE AND DISPOSE OF EXISTING SS PIPE.
15. PROTECT EXISTING STS PIPE.
16. INSTALL STOP SIGN AND BAR.

**EROSION CONTROL NOTES**

1. INSTALL SEDIMENT FENCE AND PERIMETER EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.
2. INSTALL STRAW MULCH AS SOON AS PRACTICAL BEHIND EARTHWORK CONSTRUCTION AS TEMPORARY EROSION CONTROL. PLACE MULCH AT 2 TONS/ACRE. LEAVE NATIVE VEGETATION UNDISTURBED OUTSIDE AREAS OF CONSTRUCTION.
3. MODIFY EROSION CONTROL METHODS AS REQUIRED DUE TO WEATHER OR CONSTRUCTION CHANGES.
4. SEE EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL NOTES AND DETAILS.
5. CONTRACTOR TO COMPLY WITH ALL PROVISIONS OF SECTION 0280 EROSION AND SEDIMENT CONTROL, AS WRITTEN IN THE JOINT 2018 ODOT/APWA STANDARD SPECIFICATIONS.
6. FOR PERMANENT AND TEMPORARY SEEDING, CONTRACTOR TO COMPLY WITH ALL PROVISIONS OF SECTION 01030 - SEEDING, AS WRITTEN IN THE JOINT 2018 ODOT/APWA STANDARD SPECIFICATIONS. CONTRACTOR TO SUBMIT SEED MIX FORMULA TO ENGINEER FOR REVIEW PRIOR TO SEEDING. VERIFY EXTENTS OF SEEDING WITH ANY LANDSCAPE PLANS.
7. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT.
8. SLOPES OF 2:1 TO 4:1 SHALL BE TRACK-WALKED PRIOR TO FINAL SEEDING.
9. LOCATION OF ESCP FACILITIES SHOWN IS APPROXIMATE. ALL FACILITIES TO BE FIELD PLACED PER CONSTRUCTION REQUIREMENTS.

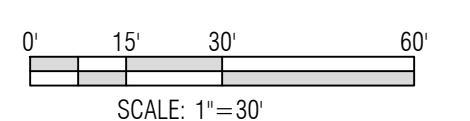


**HAMMERHEAD DETAIL**  
N.T.S.

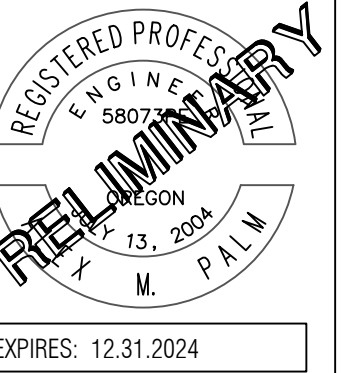


**SALTY DOG DRIVE STREET SECTION**  
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Rev. Date Dwg Description

**BANDON COASTAL SUBDIVISION**

SALTY DOG DR  
BANDON, OR 97411  
PRELIMINARY ACCESS AND DEMO PLAN  
AS SHOWN  
JANUARY 30, 2023  
SSJLJ PRELIMINARY  
CHK: AMP  
PROJECT NO. 3185-01  
DRW: RLW  
EXP: 12.31.2024

**C.2**



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M. P. A. M.  
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BANDON, OR 97411

**PRELIMINARY GRADING PLAN**  
AS SHOWN  
JANUARY 30, 2023  
ISSUE: PRELIMINARY

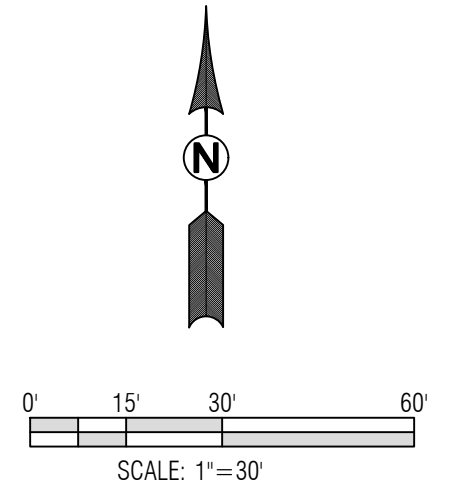
PROJECT NO. 3183-01  
DRW: RLW  
CHK: AMP

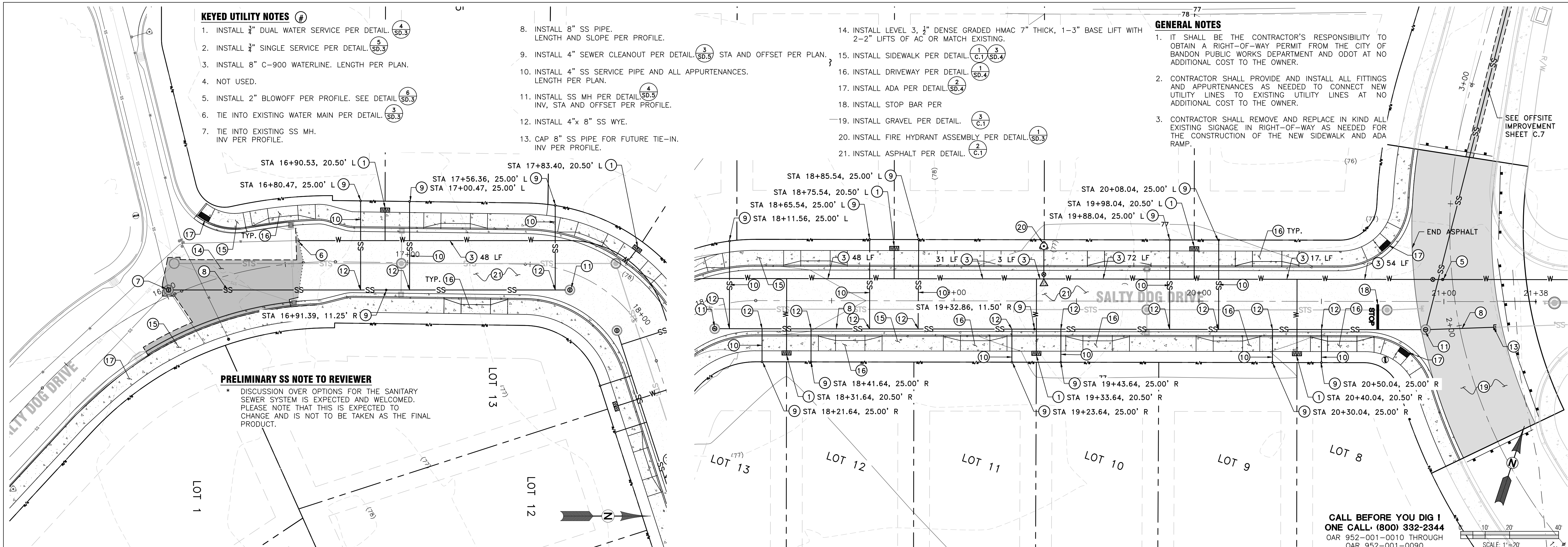
Z:\1805\3183-Bandon Coastal Properties, LLC\3183-01 Bandon Coastal Subdivision Ph 1\VISION\CAD\3183-01\_C.dwg

**C.3**

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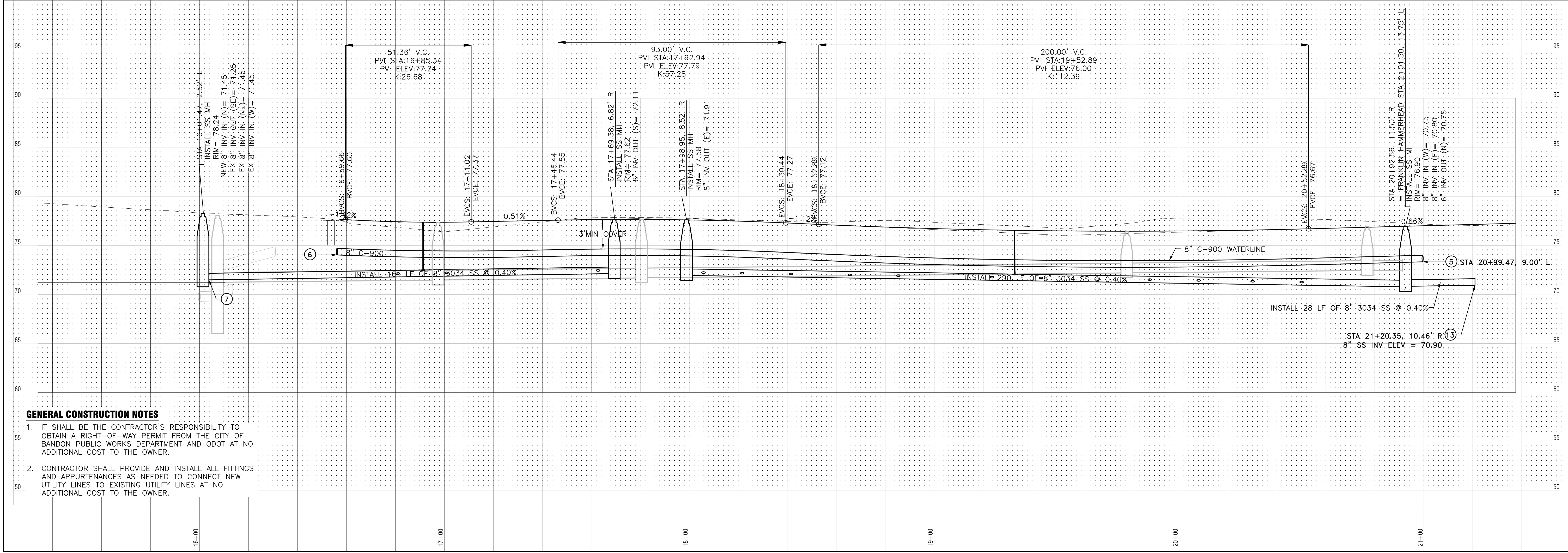
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PRELIMINARY

EXPIRES: 12.31.2024



**BANDON COASTAL SUBDIVISION**

SALTY DOG DR  
 BANDON, OR 97411  
 PRELIMINARY UTILITIES - SALTY DOG  
 HORIZ. 1" = 20' VERT. 1" = 5'  
 JANUARY 30, 2023  
 ISSUE PRELIMINARY

PROJECT NO. 3183-01  
 DRW: KLV  
 CHK: AMP

Rev. Date Dwg Description

Rev.	Date	Dwg	Description

**C.4**

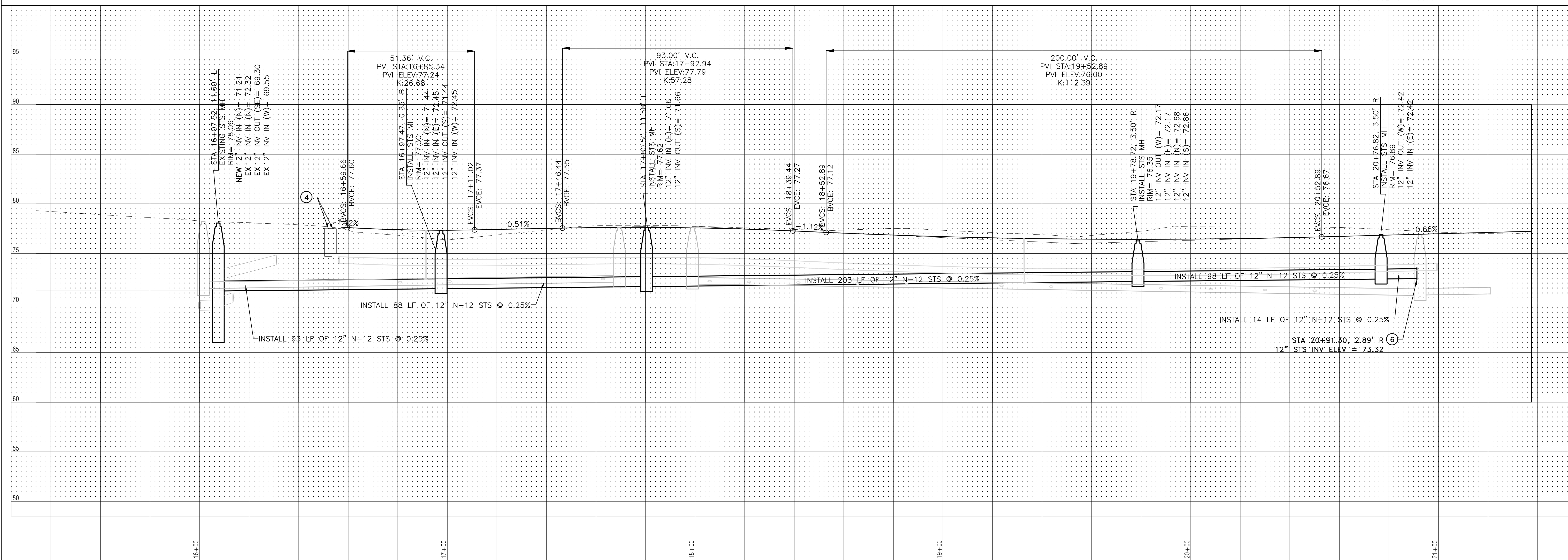
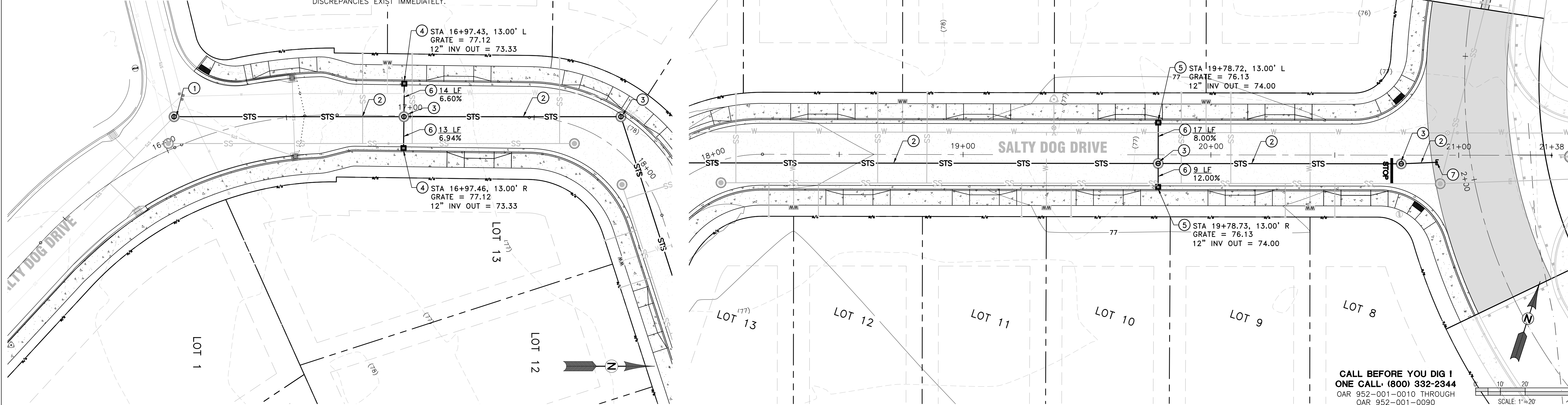
May 15, 2023 2:\\_985\3183-Bandon Coastal Properties, LLC\3183-01 Bandon Coastal Subdivision Pht \UESIGN\CAD\3183-01\_C4.dwg

**KEYED STORM SEWER NOTES**

1. TIE INTO EXISTING STS MH. INV ELEV PER PROFILE.
2. INSTALL 12" STS PIPE PER PROFILE.
3. INSTALL STS MH PER DETAIL (SD.2) INVERT, STA, AND OFFSET PER PROFILE.
4. INSTALL CB PER PLAN. SEE DETAIL (SD.2).
5. NOT USED.
6. INSTALL 12" STS PIPE. LENGTH AND SLOPE PER PLAN.
7. INSTALL STS STUB OUT PER PROFILE.

**GENERAL NOTES**

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A RIGHT-OF-WAY PERMIT FROM THE CITY OF BANDON PUBLIC WORKS DEPARTMENT AND ODOT AT NO ADDITIONAL COST TO THE OWNER.
2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS AND APPURTENANCES AS NEEDED TO CONNECT NEW UTILITY LINES TO EXISTING UTILITY LINES AT NO ADDITIONAL COST TO THE OWNER.
3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL POTHOLE AND VERIFY DEPTH, MATERIAL AND INVERTS OF EXISTING STS PIPE. CONTACT ENGINEER IF DISCREPANCIES EXIST IMMEDIATELY.



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M. PAIN  
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Rev.	Date	Dwg	Description

**BANDON COASTAL SUBDIVISION**

SALTY DOG DR  
BANDON, OR 97411

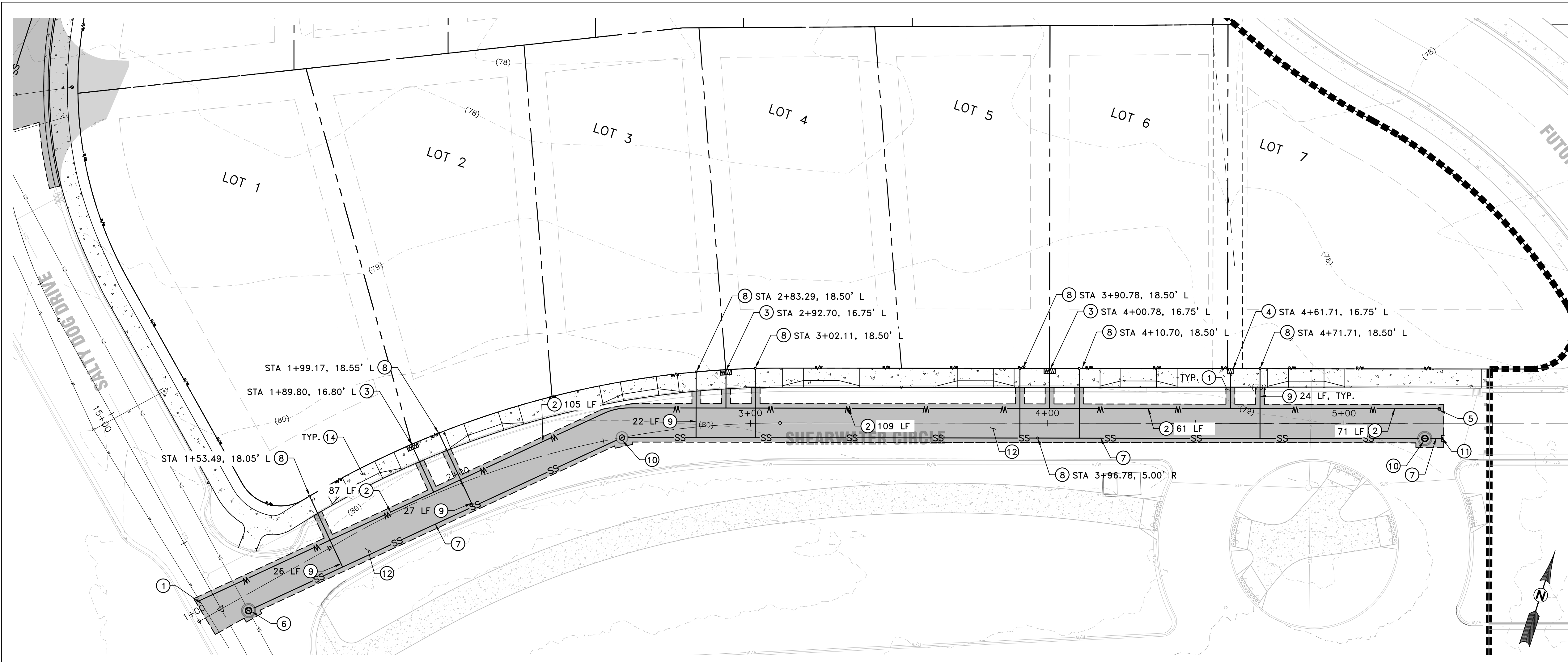
**PRELIMINARY STORM SEWER, SALTY DOG**

HORIZ 1"=20' VERT 1"=5'  
JANUARY 30, 2023  
SSUE PRELIMINARY  
CHK: AMP

PROJECT NO. 3185-01  
DRW: KLW

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KRS/BW May 15, 2023

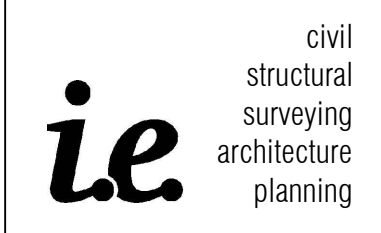
**C.5**



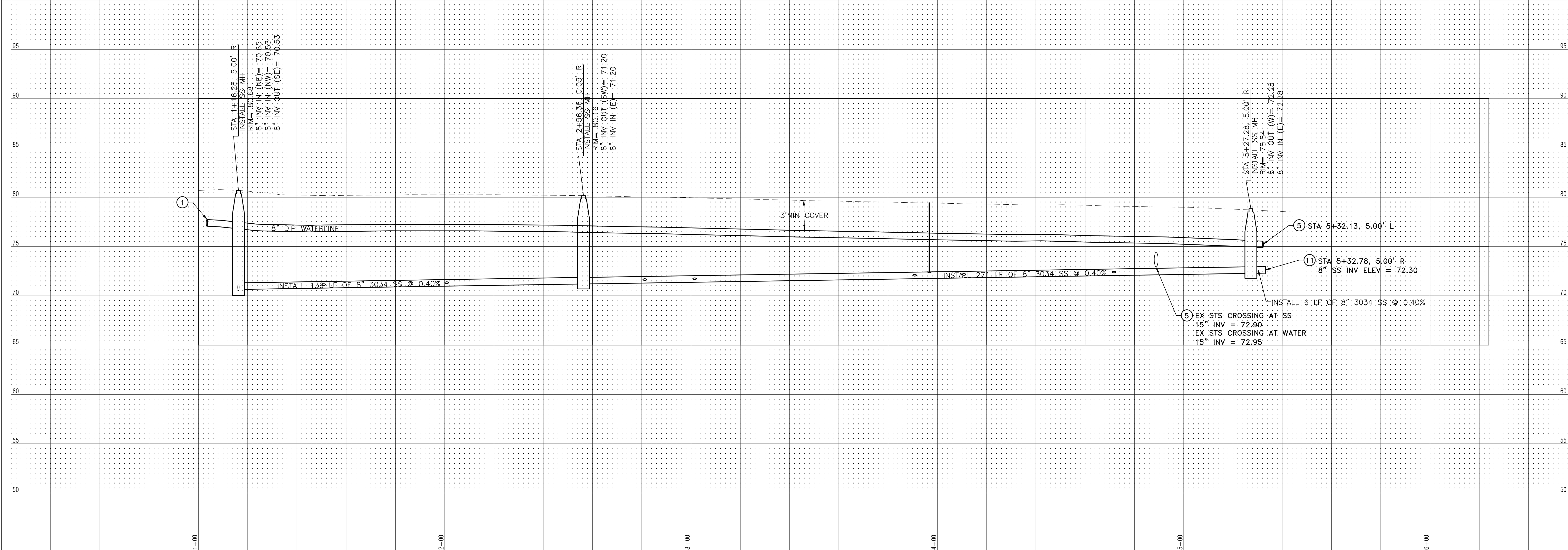
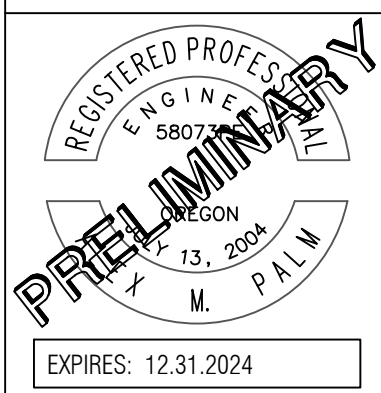
- KEYED UTILITY NOTES**
- HOT TAP EXISTING WATER MAIN PER DETAIL (SD.3)
  - INSTALL 8" C-900 WATERLINE. LENGTH PER PLAN.
  - INSTALL 3" DUAL WATER SERVICE PER DETAIL (SD.3)
  - INSTALL 3" SINGLE SERVICE PER DETAIL (SD.3)
  - INSTALL 2" BLOWOFF PER PLAN. SEE DETAIL (SD.3)
  - INSTALL NEW SS MH PER PROFILE. SEE DETAIL (SD.5) CONTRACTOR TO VERIFY LOCATION AND INV PRIOR TO INSTALLATION.
  - INSTALL 8" SS PIPE. LENGTH AND SLOPE PER PROFILE.
  - INSTALL 4" SS CLEANOUT PER DETAIL (SD.5)
  - INSTALL 4" SS SERVICE. LENGTH PER PLAN.
  - INSTALL SS MH PER PROFILE. SEE DETAIL (SD.5)
  - CAP 8" SS PIPE FOR FUTURE TIE-IN. INV ELEV PER PROFILE.
  - INSTALL LEVEL 3, 3/4" DENSE GRADED HMAC 7" THICK, 1-3" BASE LIFE WITH 2-2" LIFTS OF AC OR MATCH EXISTING. SEE DETAIL (SD.5)
  - REPLACE CONCRETE GUTTER IN KIND.
  - INSTALL DRIVEWAY PER DETAIL (SD.4)
  - INSTALL SIDEWALK PER DETAIL (C.1 SD.4)
- GENERAL NOTES**
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A RIGHT-OF-WAY PERMIT FROM THE CITY OF BANDON PUBLIC WORKS DEPARTMENT AND ODOT AT NO ADDITIONAL COST TO THE OWNER.
  - CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS AND APPURTENANCES AS NEEDED TO CONNECT NEW UTILITY LINES TO EXISTING UTILITY LINES AT NO ADDITIONAL COST TO THE OWNER.
  - CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ALL EXISTING SIGNAGE IN RIGHT-OF-WAY AS NEEDED FOR THE CONSTRUCTION OF THE NEW SIDEWALK AND ADA RAMP.

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SCALE: 1"=20'



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**BANDON COASTAL SUBDIVISION**

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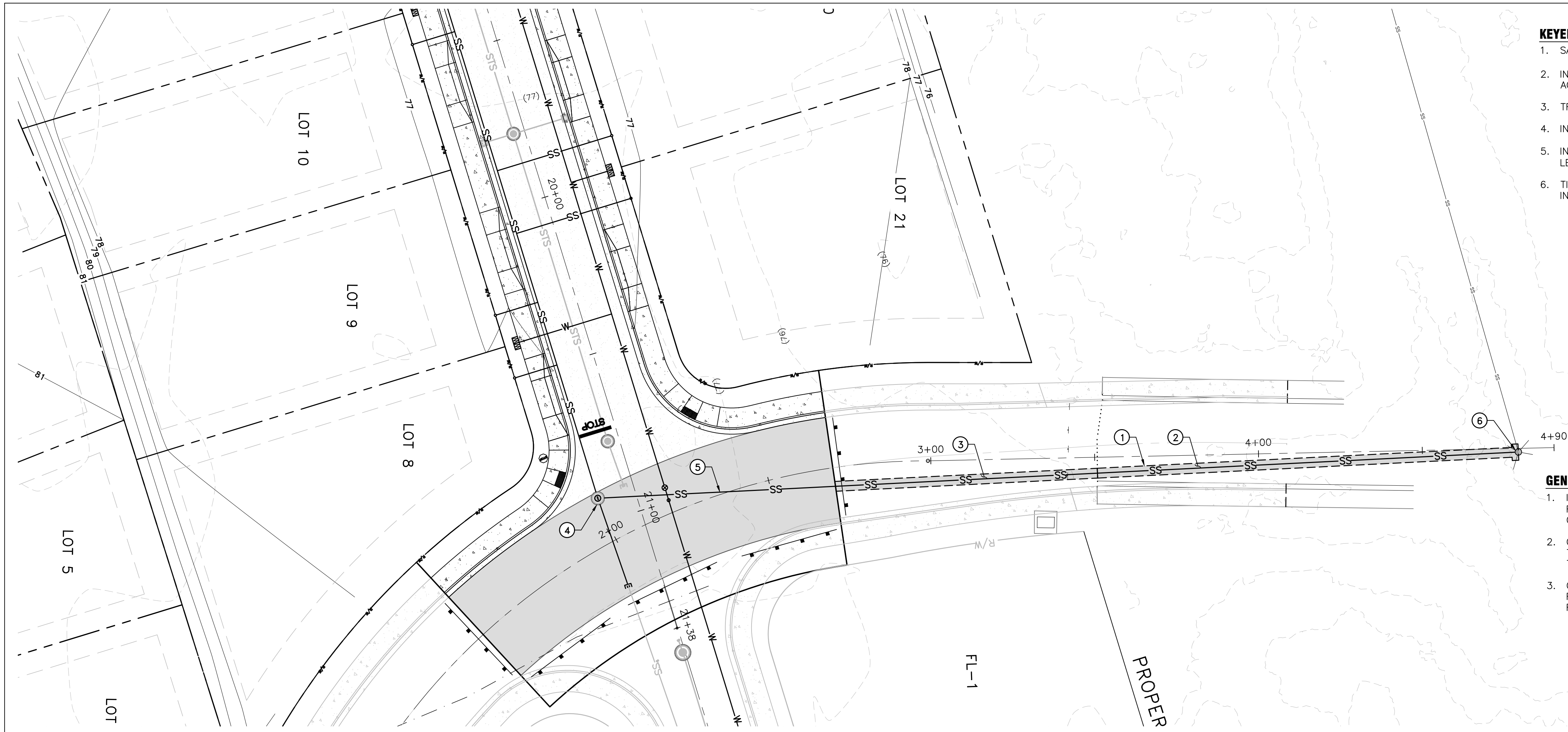
**PRELIMINARY UTILITIES - SHEARWATER CIRCLE**

HORIZ 1"=     VERT 1"=     PROJECT NO. 3183-01  
 JANUARY 30, 2023     DRW: ALW  
 SSUE: PRELIMINARY     CHK: AMP

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May 15, 2023

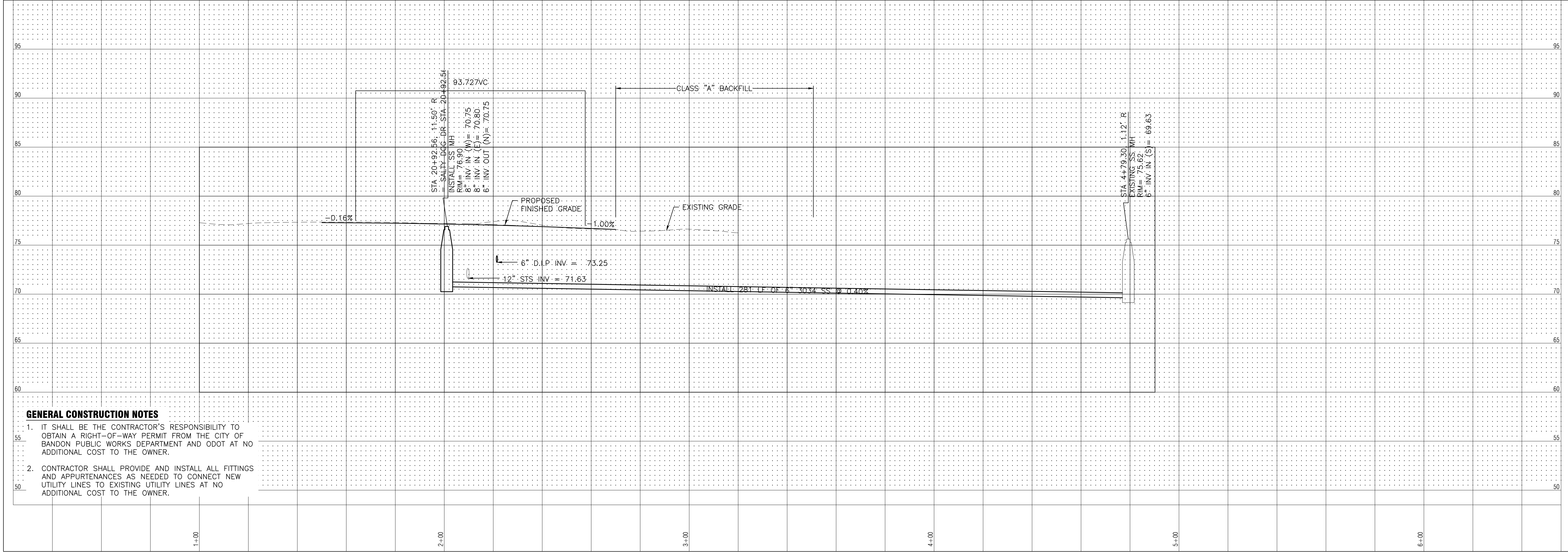
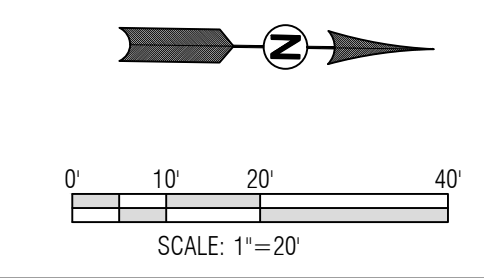
**C.6**



- KEYED UTILITY AND DEMOLITION NOTES** #
1. SAW CUT TO NEAT EDGE. REMOVE AND DISPOSE OF EXISTING ASPHALT.
  2. INSTALL LEVEL 3, 3" DENSE GRADED HMA 7" THICK, 1-3" BASE LIFT WITH 2-2" LIFTS OF AC OR MATCH EXISTING.
  3. TRENCH AND BACKFILL PER PROFILE.
  4. INSTALL SS MH. SEE SHEET C.6 KEYED NOTE 12
  5. INSTALL 8" SS PIPE. LENGTH AND SLOPE PER PROFILE.
  6. TIE INTO EXISTING SS MH PER DETAIL (S) SD.3 INVERT PER PROFILE.

- GENERAL NOTES**
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A RIGHT-OF-WAY PERMIT FROM THE CITY OF BANDON PUBLIC WORKS DEPARTMENT AND ODOT AT NO ADDITIONAL COST TO THE OWNER.
  2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS AND APPURTENANCES AS NEEDED TO CONNECT NEW UTILITY LINES TO EXISTING UTILITY LINES AT NO ADDITIONAL COST TO THE OWNER.
  3. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ALL EXISTING SIGNAGE IN RIGHT-OF-WAY AS NEEDED FOR THE CONSTRUCTION OF THE NEW SIDEWALK AND ADA RAMP.

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- GENERAL CONSTRUCTION NOTES**
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A RIGHT-OF-WAY PERMIT FROM THE CITY OF BANDON PUBLIC WORKS DEPARTMENT AND ODOT AT NO ADDITIONAL COST TO THE OWNER.
  2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS AND APPURTENANCES AS NEEDED TO CONNECT NEW UTILITY LINES TO EXISTING UTILITY LINES AT NO ADDITIONAL COST TO THE OWNER.

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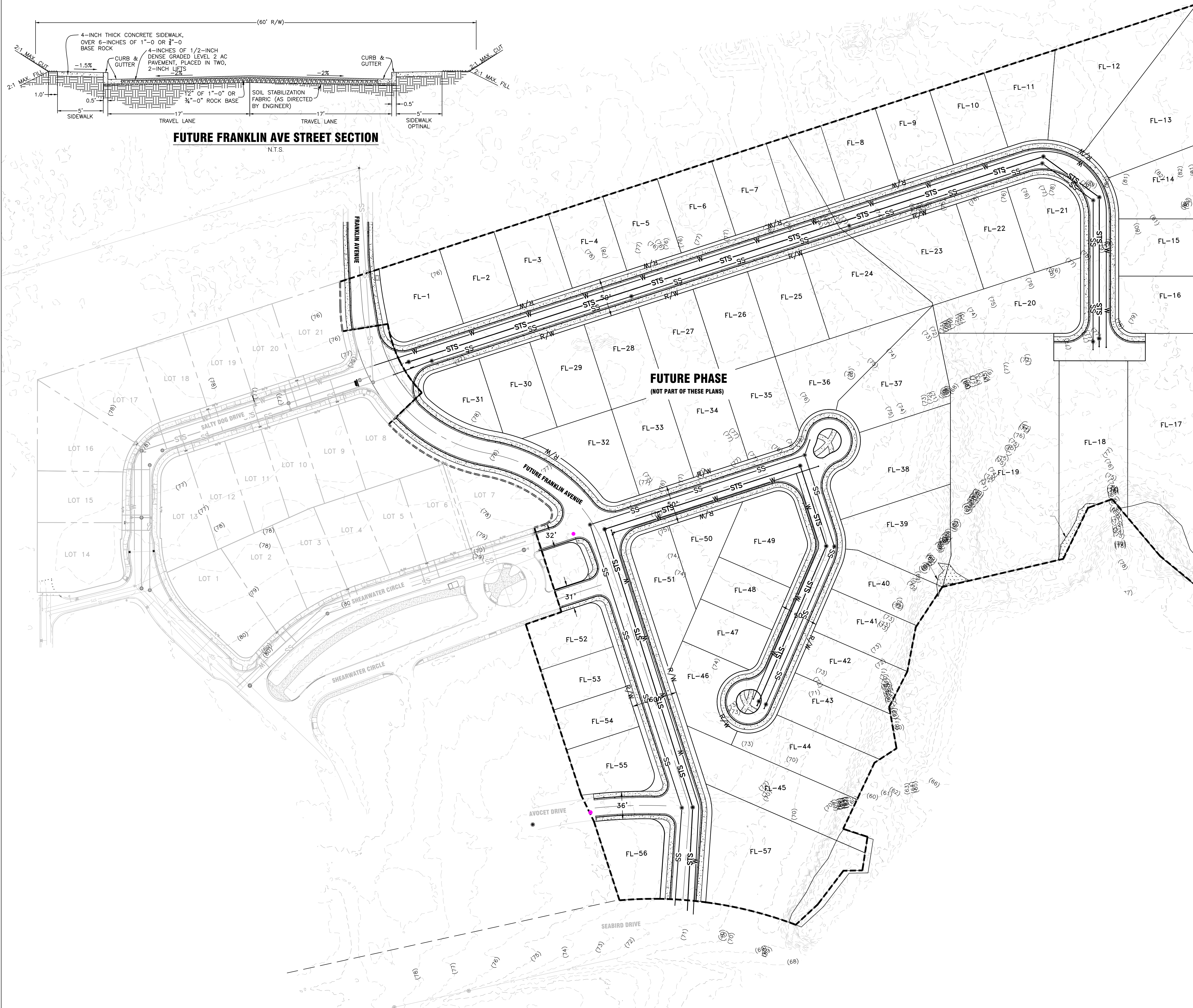
Rev.	Date	Dwg	Description

**BANDON COASTAL SUBDIVISION**

SALTY DUG DR  
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 PROJECT NO. 3183-01  
 PRELIMINARY OFFSITE UTILITY  
 HORIZ. 1" = 20' VERT. 1" = 5'  
 JANUARY 30, 2023  
 DRAWN: KLV  
 CHECKED: AMP  
 ISSUED: PRELIMINARY

**C.7**

May 15, 2023 2:\\_985\3183-Bandon Coastal Properties, LLC\3183-01 Bandon Coastal Subdivision Plan\DESIGN\CAD\3183-01\_C.dwg



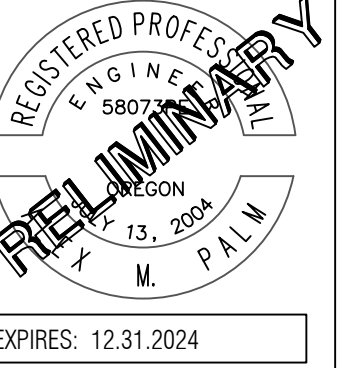
**FUTURE FRANKLIN AVE STREET SECTION**  
N.T.S.

**FUTURE PHASE**  
(NOT PART OF THESE PLANS)



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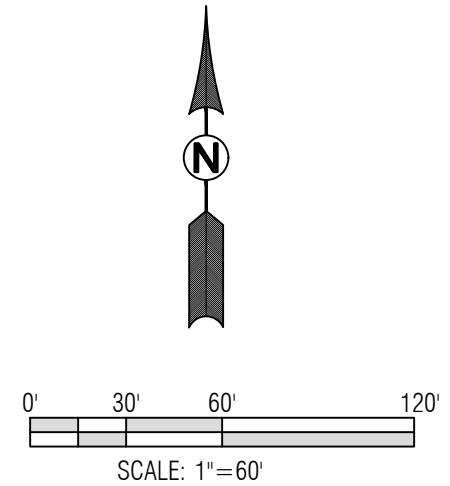


Rev.	Date	Dwg	Description

**BANDON COASTAL SUBDIVISION**  
SALTY DOG DR  
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PRELIMINARY FUTURE UTILITIES AND WETLANDS  
AS SHOWN  
JANUARY 30, 2023  
SSSIE PRELIMINARY  
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PROJECT NO. 3183-01  
DRW: RLW  
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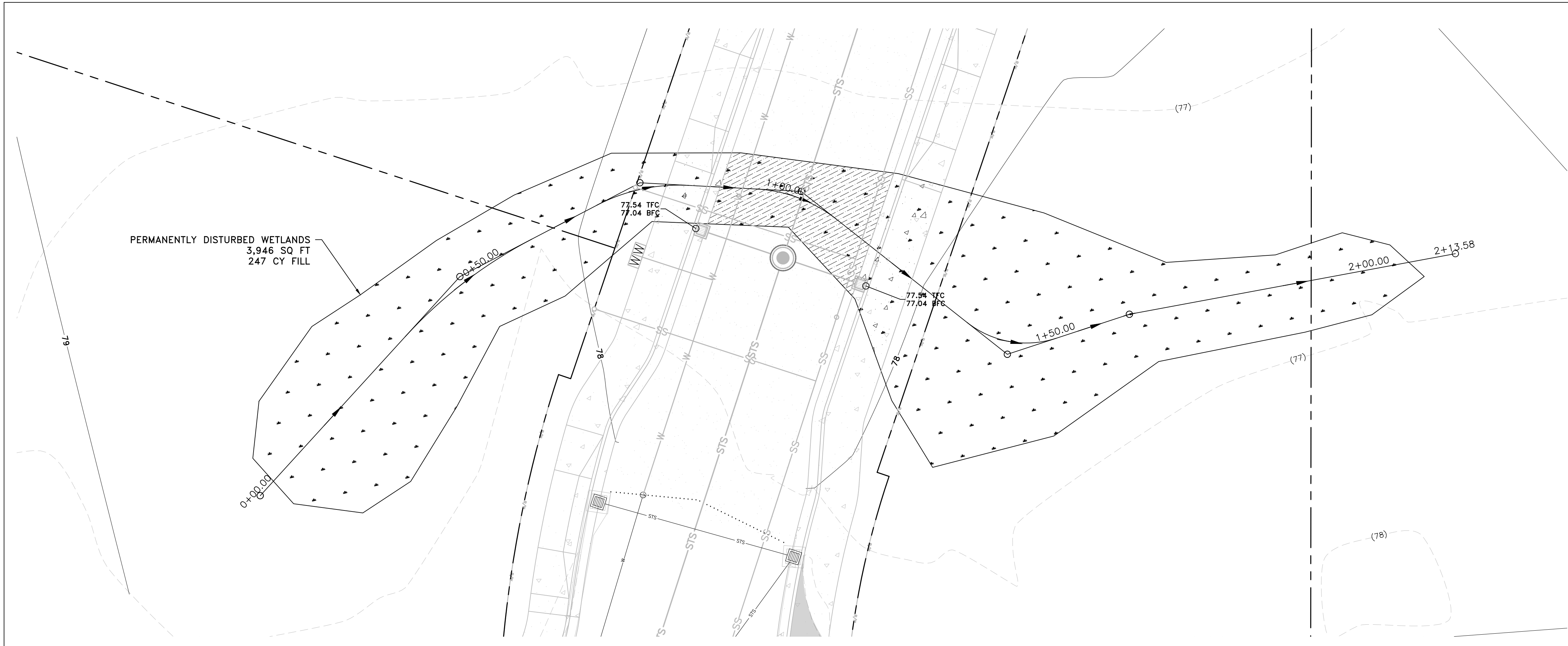
**C.8**

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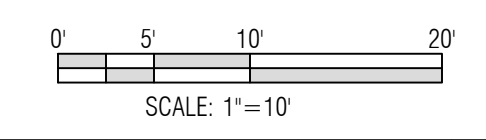


QUANTITIES			
	DESCRIPTION	DEPTH	TOTAL
FILL	ASPHALT CONCRETE	2"	337 SQ. FT. 2.08 CY
FILL	COMPACTED BASE ROCK	10"	403 SQ FT 12.44 CY
FILL	CONCRETE GUTTER CONCRETE CURB CONCRETE SIDEWALK	7" 13" 4"	49 SQ FT 17 SQ FT 240 SQ FT 4.70 CY TOTAL
FILL	2" ROCK BENEATH SIDEWALK	2"	240 SQ FT 1.48 CY
FILL	CLEAN FILL		226 CY
WETLAND	TOTAL AREA		3,946 SQ FT (0.09 ACRES)
WETLAND	FILL VOLUME		247 CY

**LEGEND**

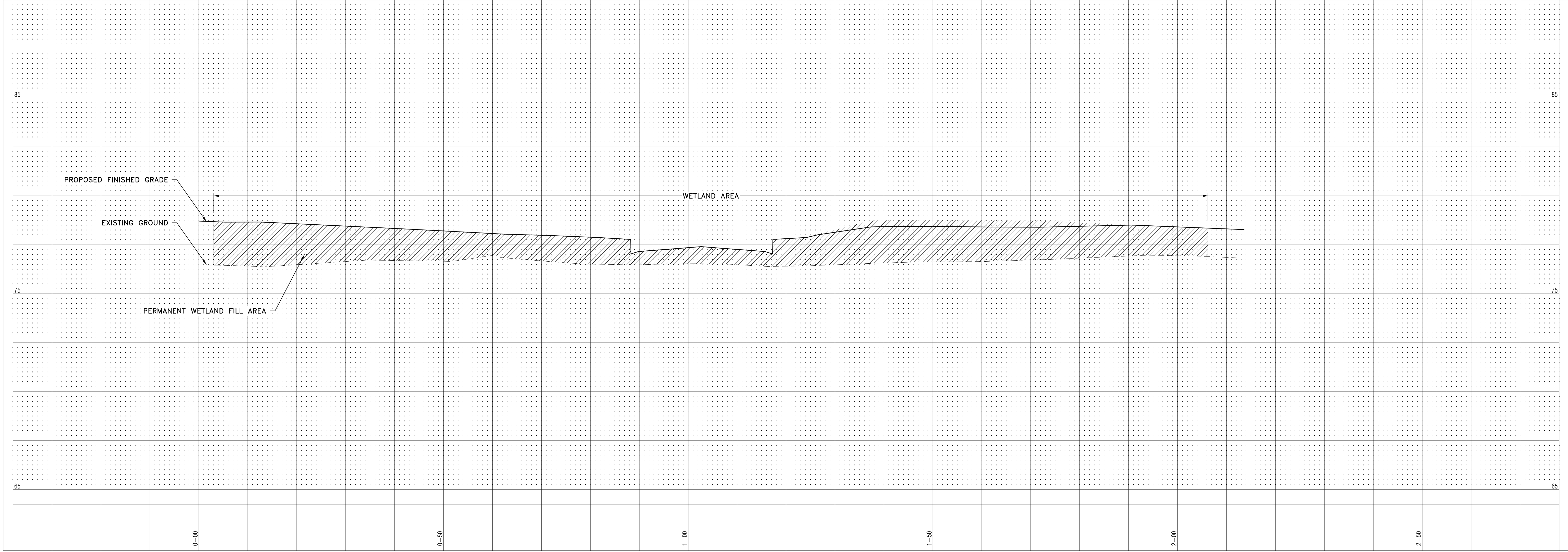
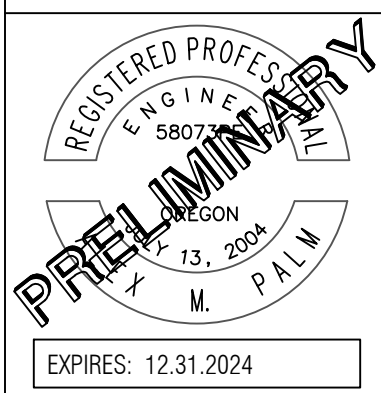
	WETLAND AREA
	AC ROAD
	CONCRETE SW, CURB & GUTTER

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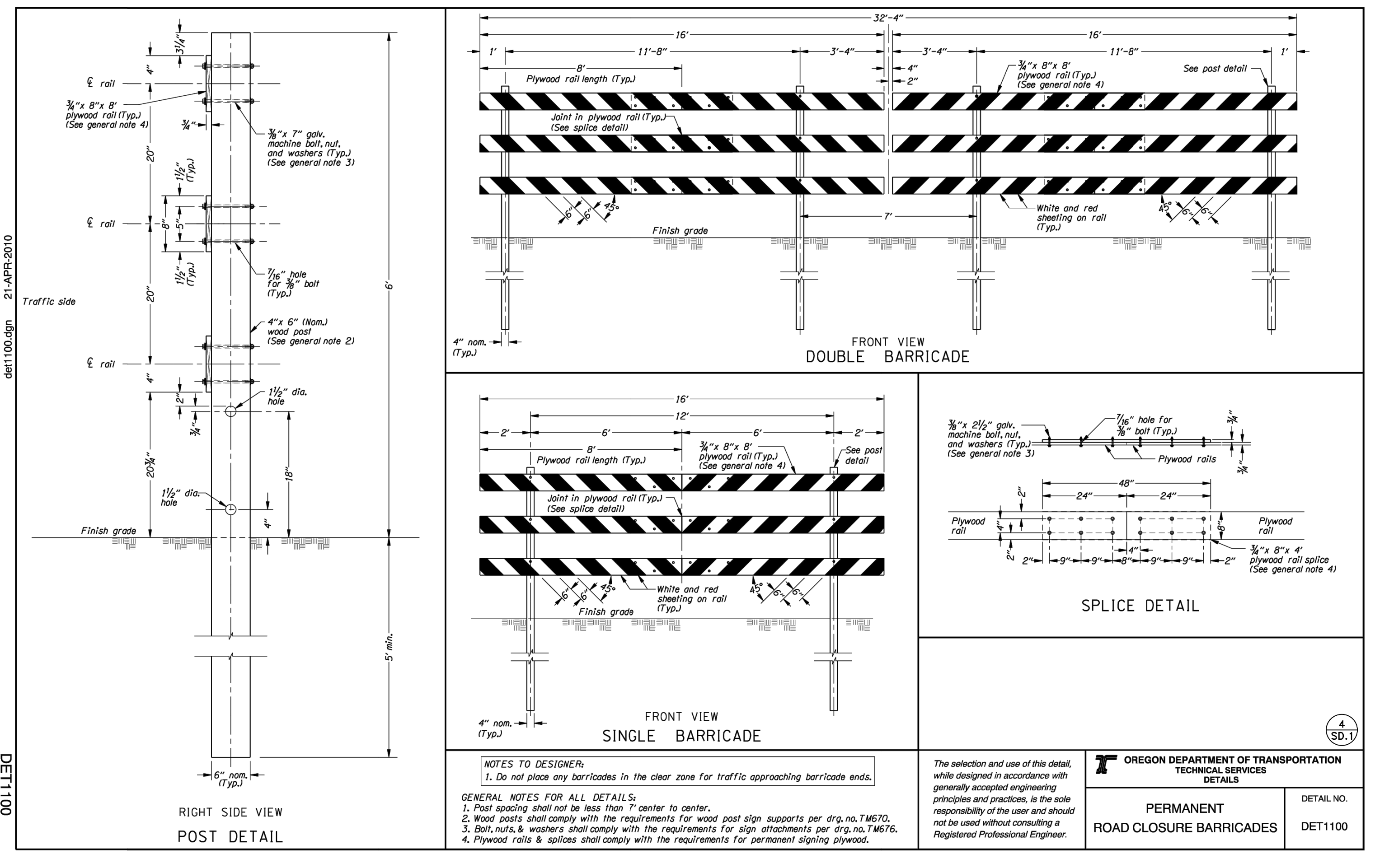
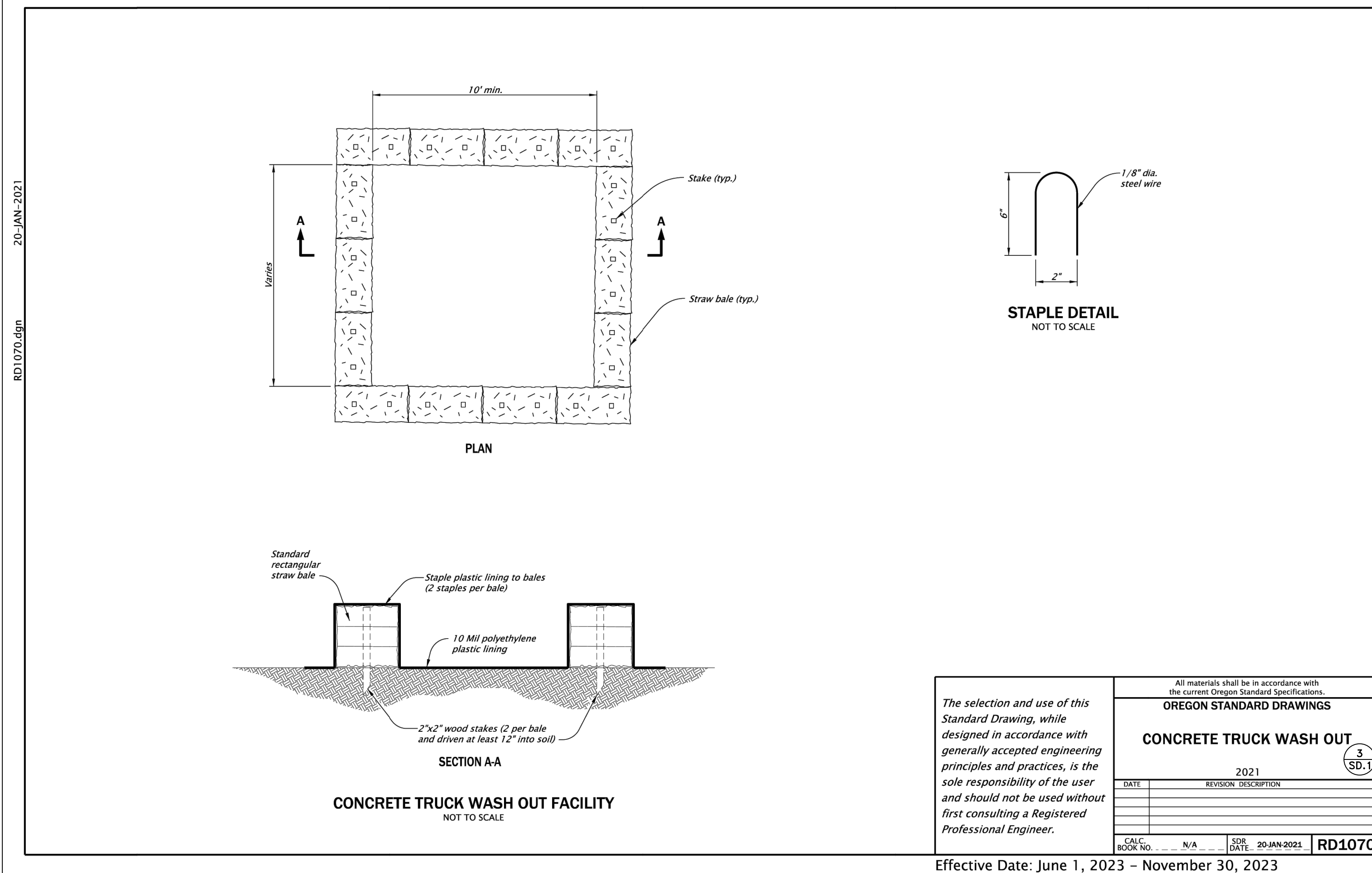
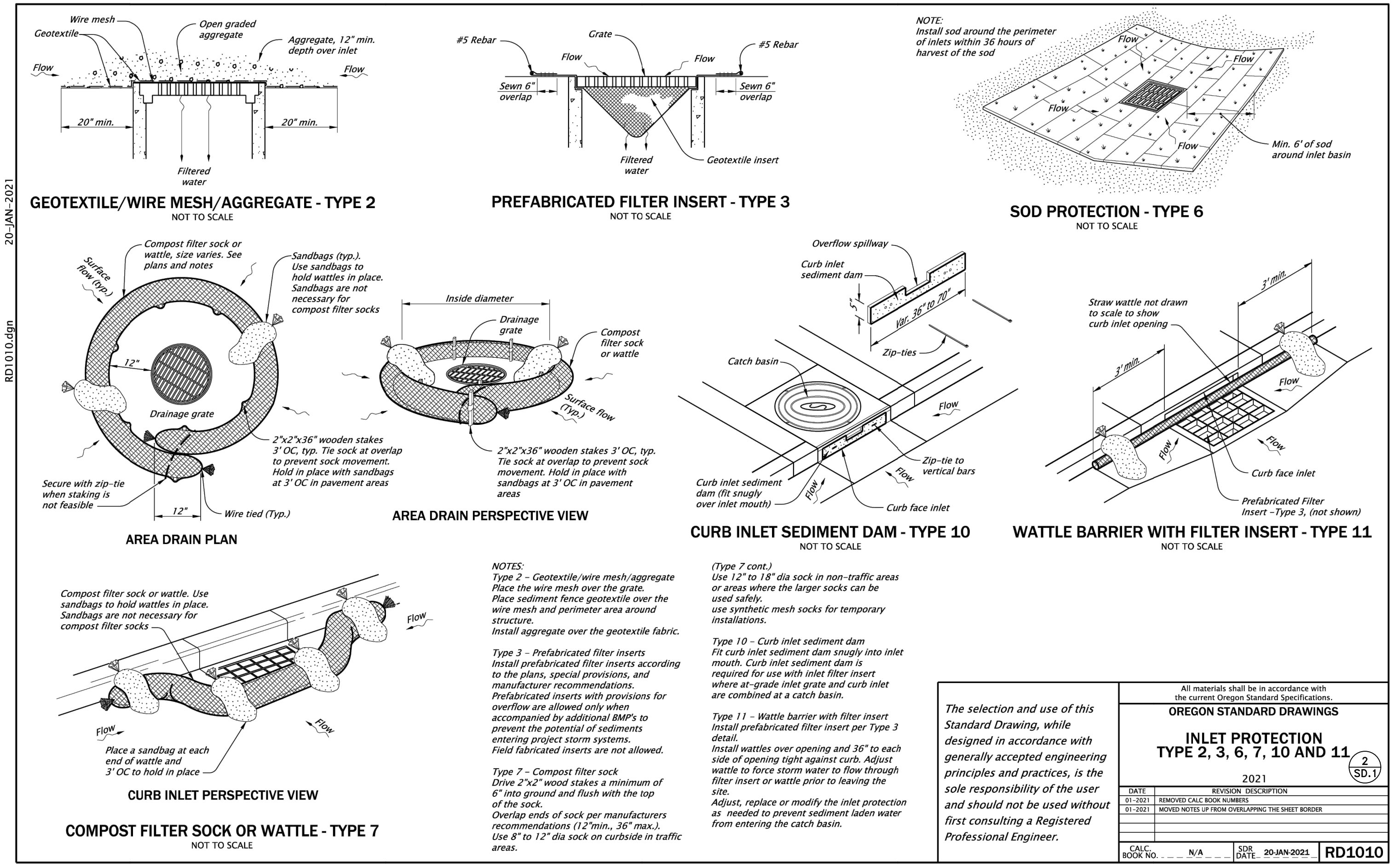
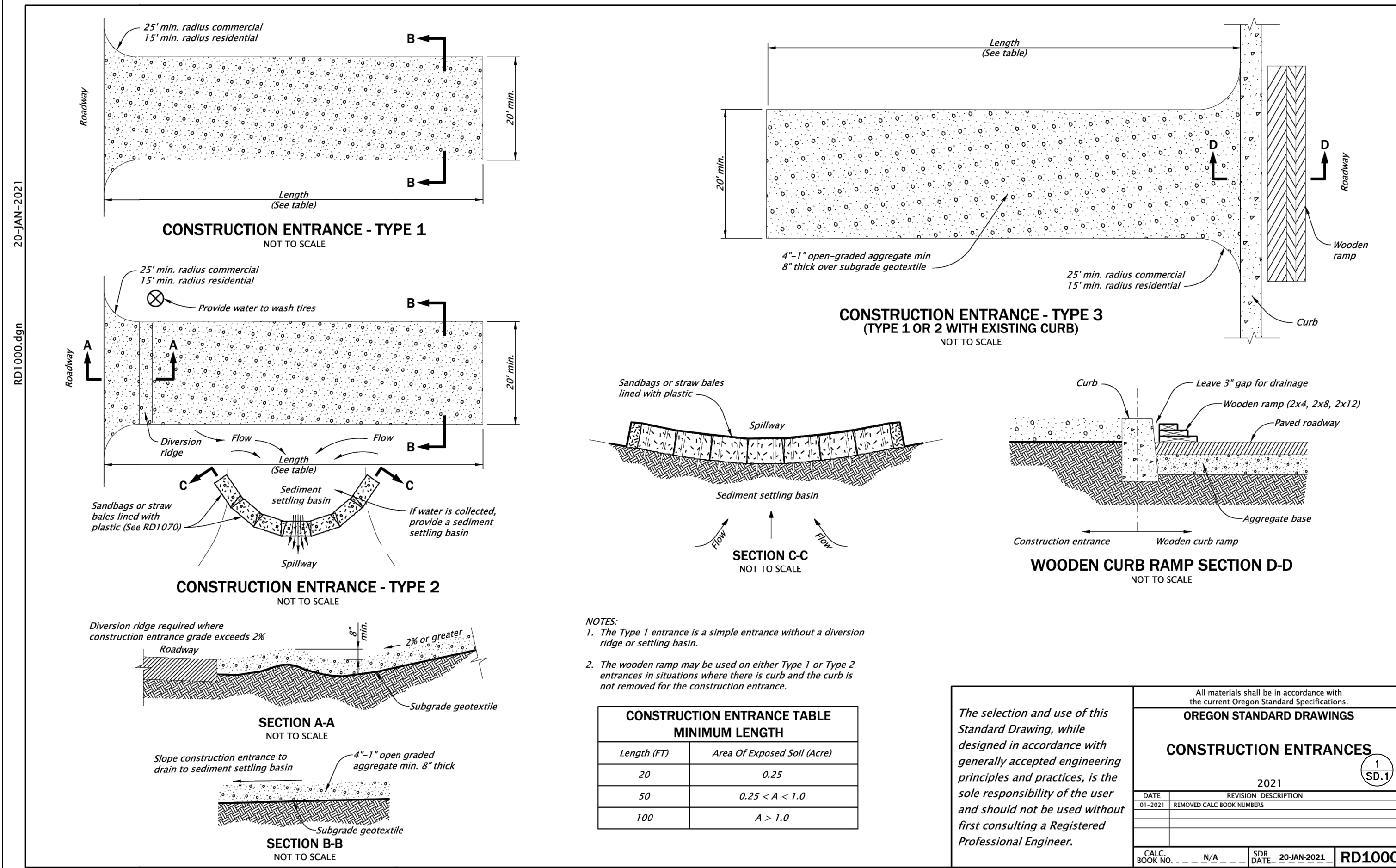
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**PRELIMINARY WETLAND IMPACT AREA PLAN & PROFILE**

HORIZ 1"=10' VERT 1"=2.5' PROJECT NO. 3183-01  
 JANUARY 30, 2023 DRW: RLW  
 ISSUE: PRELIMINARY CHK: AMP

**C.9**

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**BANDON COASTAL SUBDIVISION**  
SALTY DOG DR  
BANDON, OR 97411  
PROJECT NO. 3183-01  
DRW: ALW  
CHK: AMP  
FEBRUARY 1, 2023  
ISSUE: PRELIMINARY  
2:\\_085\3183-Bandon Coastal Properties, LLC\3183-01\_Bandon Coastal Subdivision Phs 1\_VISION\CADD\3183-01\_C-DET.dwg  
KJ818W May 15, 2023

**SD.1**

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**MANHOLE WITH PRECAST FLAT SLAB TOP**

**MANHOLE WITH PRECAST CONICAL TOP**

**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- All precast products shall conform to requirements of ASTM C478.
- Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD344 for manhole base section.
- Adjust 24" maximum.
- All connecting pipes shall have a tracer wire, or approved alternate.
- See Std. Dwg. RD336 for manhole steps.
- See Std. Dwg. RD336 for details not shown.
- See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.
- Max. pipe diameter varies with pipe material.
- See Std. Dwg. RD342 for shallow manholes.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

**OREGON STANDARD DRAWINGS**  
**STANDARD STORM SEWER MANHOLE**  
 2021  
 1b SD.2

Effective Date: June 1, 2023 - November 30, 2023

**DETAIL A WITHOUT SUMP**

**SECTION B - B**

**SECTION C - C**

**TABLE A**

INLET TYPE	W	W <sub>1</sub>
G-1	2'-8 1/2"	1'-8 3/8"
G-2, G-2M, G-2MA	3'-3 3/8"	2'-3 3/8"

**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- Where precast inlets are used as an alternate to cast-in-place inlets, a 4" compacted leveling bed of sand or 1/2"-0 crushed aggregate shall be provided. All precast inlets shall conform to requirements of ASTM C913.
- Graphics show G-1 inlet with Type 2 grate. See Table A for inlet dimensions.
- Type 1 grate allowed only in locations not subject to bicycling or pedestrian use.
- For frame and grate details, see Std. Dwg. RD365.
- Provide sump only where shown on plans, and allowed by jurisdiction. See Detail A for inlet without sump.
- For curb details, see Std. Dwg. RD700 & RD701.
- See Std. Dwg. RD336 for tracer wire details, or approved alternate.
- Max. pipe diameter varies with pipe material.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- All concrete shall be commercial grade concrete.
- 1/2" preformed filler (in concrete pavement or gutter only) to extend through thickness of concrete.
- See Std. Dwg. RD363 for gutter transition section, when curb and gutter are required.
- See Std. Dwg. RD339 for pipe to structure connections.

**OREGON STANDARD DRAWINGS**  
**CONCRETE INLETS**  
 TYPE G-1, G-2, G-2M, & G-2MA  
 2021  
 2a SD.2

Effective Date: June 1, 2023 - November 30, 2023

**SECTION A - A**

**SECTION B - B**

**PLAN**

**CAST IN PLACE MANHOLE BASE**  
 (For invert channel details, see precast option at right)

**PLAN**

**PRECAST MANHOLE BASE**

**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- All concrete shall be commercial grade concrete.
- Channels shall be constructed to provide smooth slopes and radii to outlet pipe.
- Bases may be precast or cast in place.
- Max. pipe diameter varies with pipe material.
- Use on 42" and 48" diameter manhole.
- Extend pipe into manhole and grout smooth. Pipe(s) may extend 2" max. beyond the interior manhole wall.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- All precast products shall conform to the requirements of ASTM C478.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD336 for manhole steps details.
- See Std. Dwg. RD336 for tracer wire details.
- At spring line of pipe, extend channel up to crown line on 12:1 batter.

**OREGON STANDARD DRAWINGS**  
**STANDARD MANHOLE BASE SECTION**  
 2021  
 1b SD.2

Effective Date: June 1, 2023 - November 30, 2023

**SECTION A - A**

**SECTION B - B**

**KEYWAY DETAIL**

**PLAN**

**CONCRETE INLET TOP OPTION 1, TYPE CG-3**

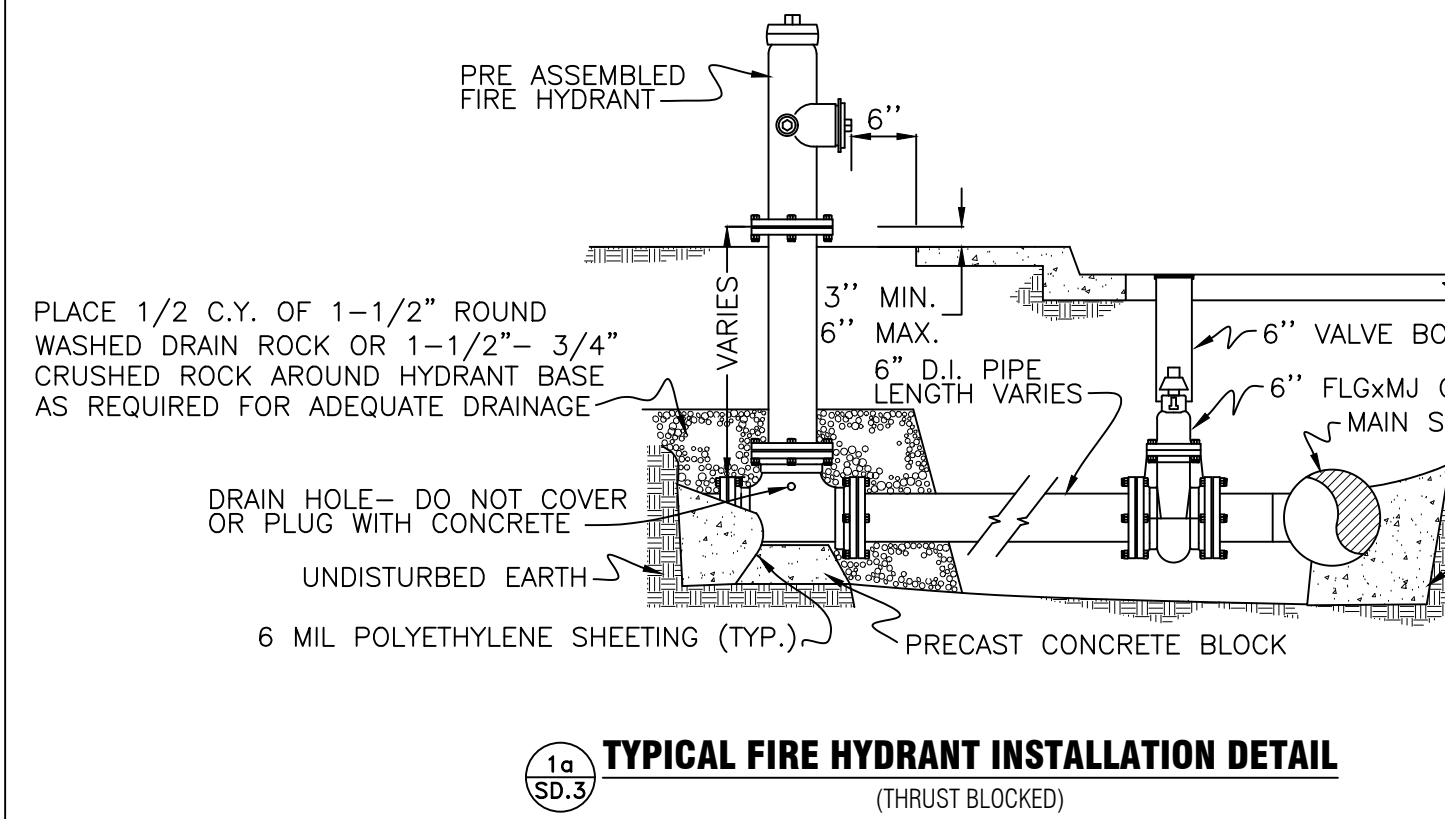
**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- All concrete shall be commercial grade concrete.
- Inlet top may be cast-in-place or precast. All precast inlets shall conform to requirements of ASTM C913.
- All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.
- Vary anchor bolt length and reinforcing bar placement as required by curb exposure E (See note 7 below).
- See Std. Dwg. RD371 for inlet base details.
- See Std. Dwg. RD371 for inlet pay limit.
- See Std. Dwg. RD700 & RD701 for curb and gutter details.
- See Std. Dwg. RD356 for cast iron manhole adjustment ring and cover.

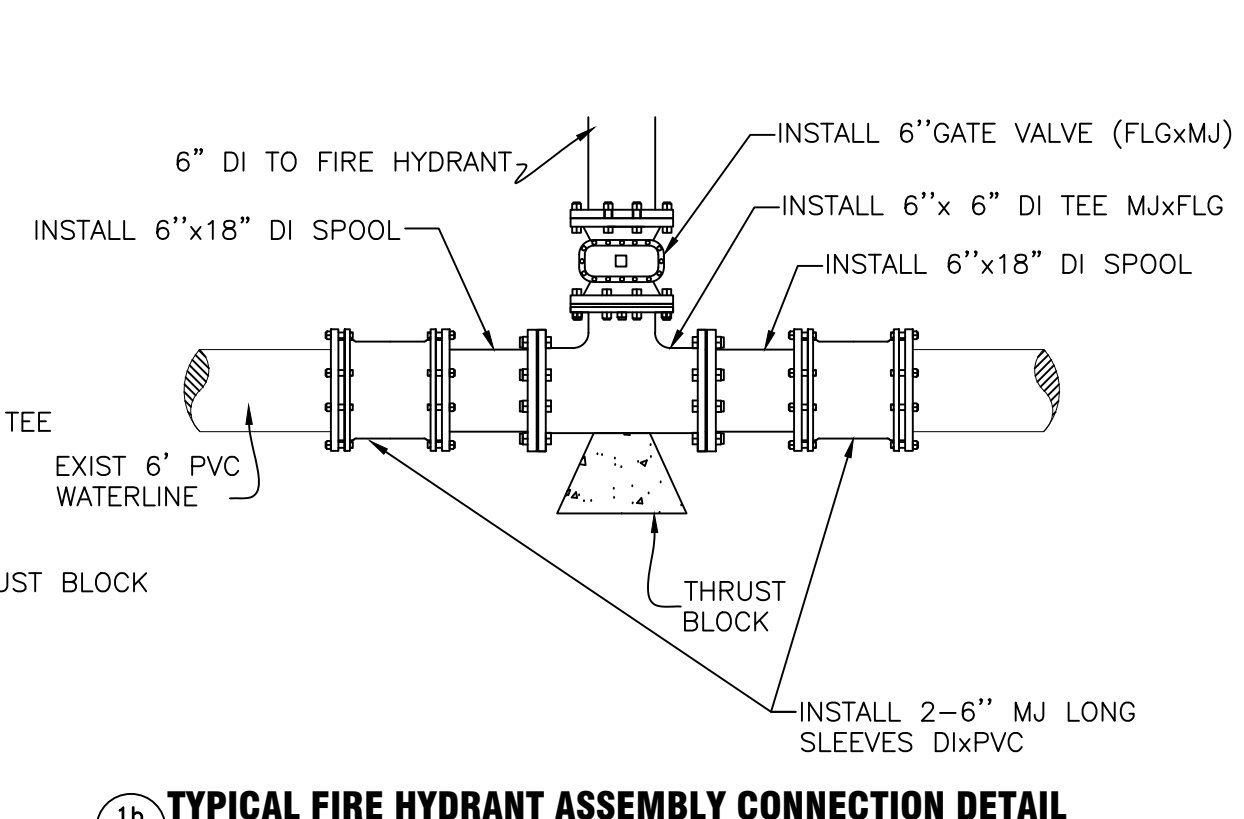
**OREGON STANDARD DRAWINGS**  
**CONCRETE INLET TOP OPTION 1, TYPE CG-3**  
 2021  
 2b SD.2

Effective Date: June 1, 2023 - November 30, 2023

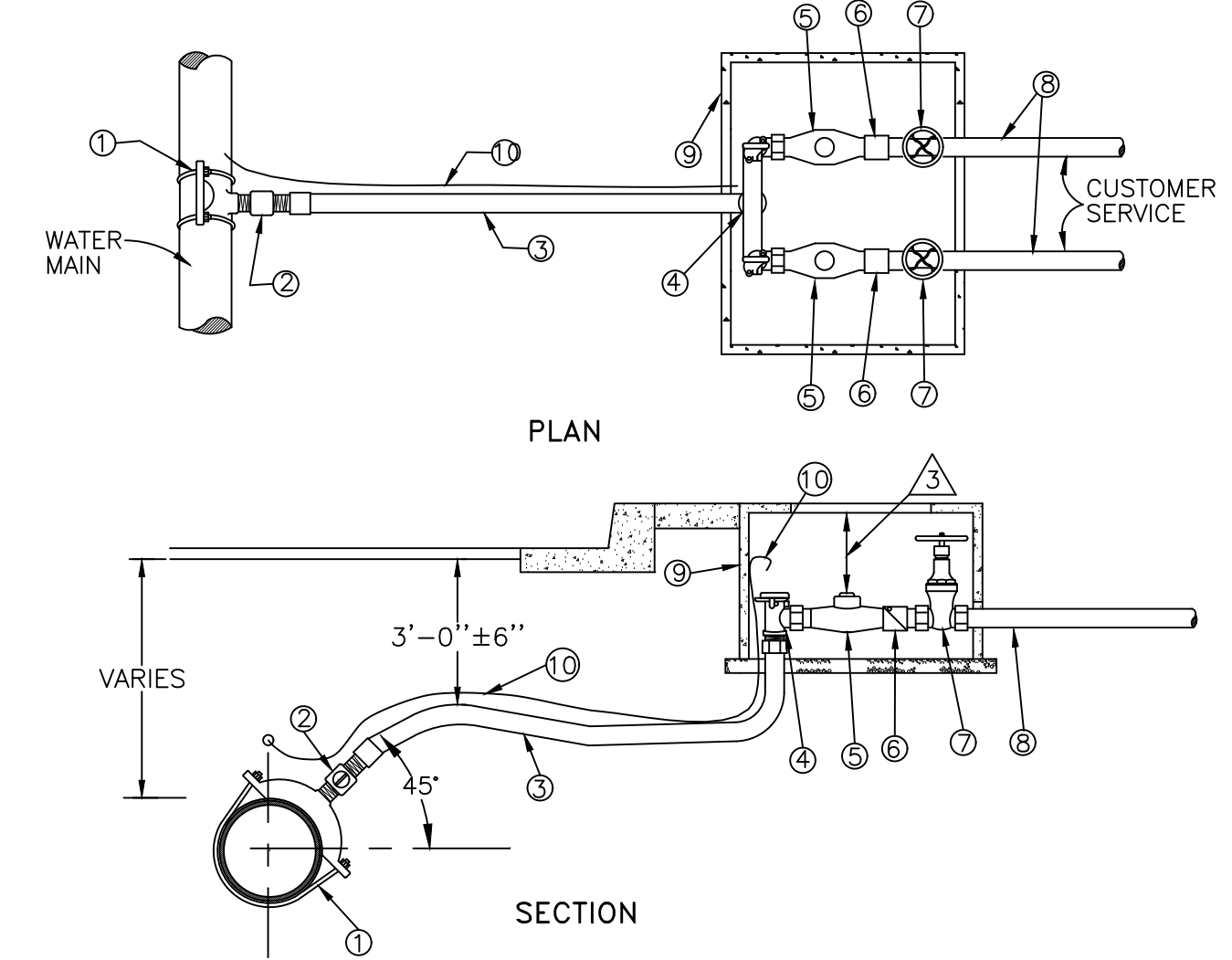
Rev.	Date	Dwg	Description



**1a**  
SD.3  
**TYPICAL FIRE HYDRANT INSTALLATION DETAIL**  
(THRUST BLOCKED)

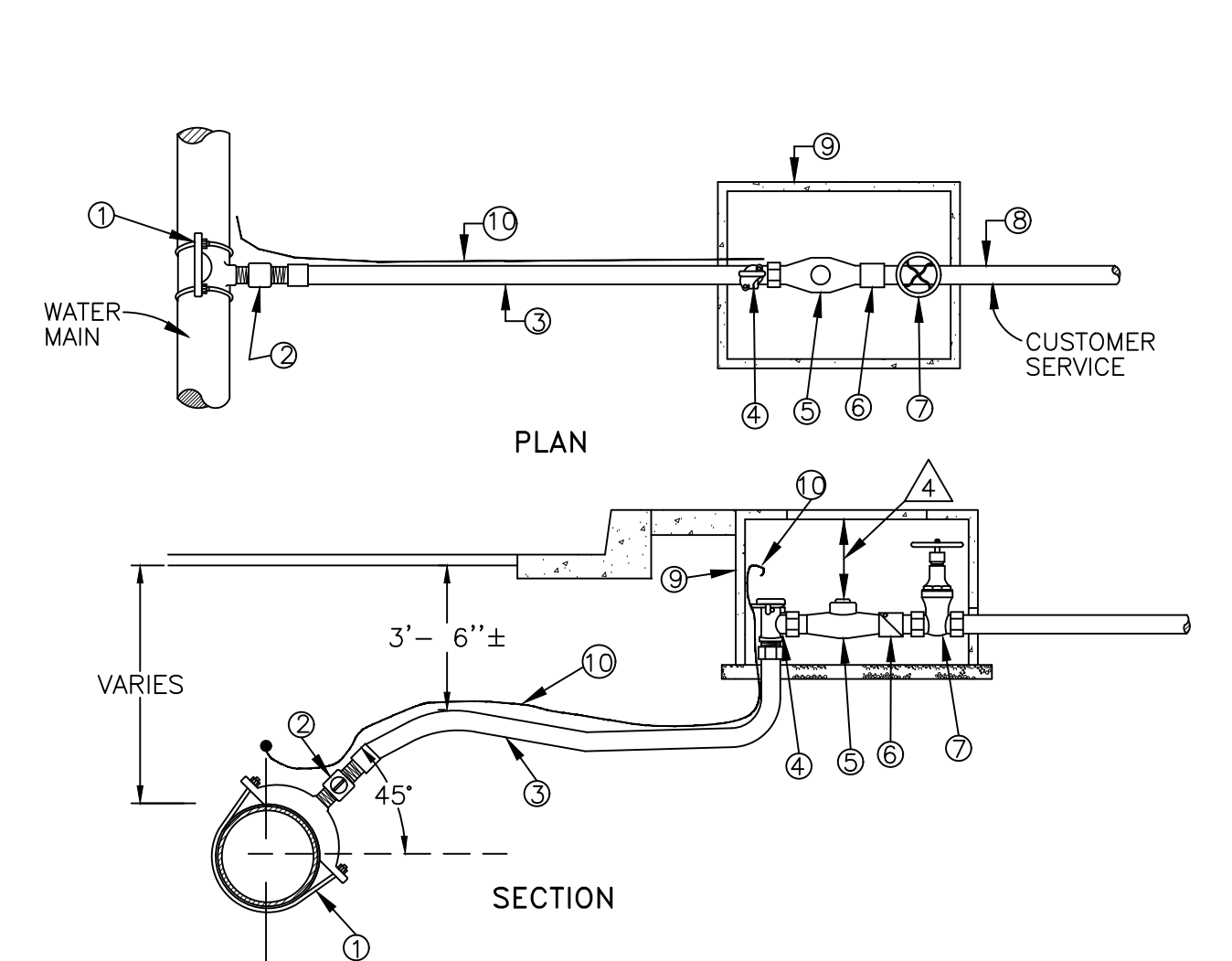


**1b**  
SD.3  
**TYPICAL FIRE HYDRANT ASSEMBLY CONNECTION DETAIL**  
NTS



ITEM NO.	SIZE	DESCRIPTION	TYPE	QTY.
1	AS REQ'D	SERVICE SADDLE	FORD, CC THD. 1	1
2	1"	CORP. STOP	FORD, F 1001 (CCxPACK JOINT)	1
3	1"	SERVICE PIPE	200 p.s.i. POLYETHYLENE PIPE (PE 3406) IPS	AS REQ'D
4	1"	BRANCH VALVE ASSEMBLY	FORD, UV63-42W (PACK JOINT)	1
5	5/8"x3/4"	METER	SENSUS - SR, BRONZE CASE, CU. FT. READ	2
6	3/4"	STRAIGHT CHECK VALVE	FORD, H38-323 (METER NUTxMIPT)	2
7	3/4"	VALVE	BRONZE, HAND WHEEL, FIPT	2
8	-	CUSTOMER SERVICE	PER STATE PLUMBING CODE	-
9	-	METER BOX	BROOKS, NO. 11-2 (CI)	1
10	NO. 12	TONE WIRE	ELECTRICAL THNN STRANDED COPPER WIRE, COIL 1'0" IN METER BOX	AS REQ'D

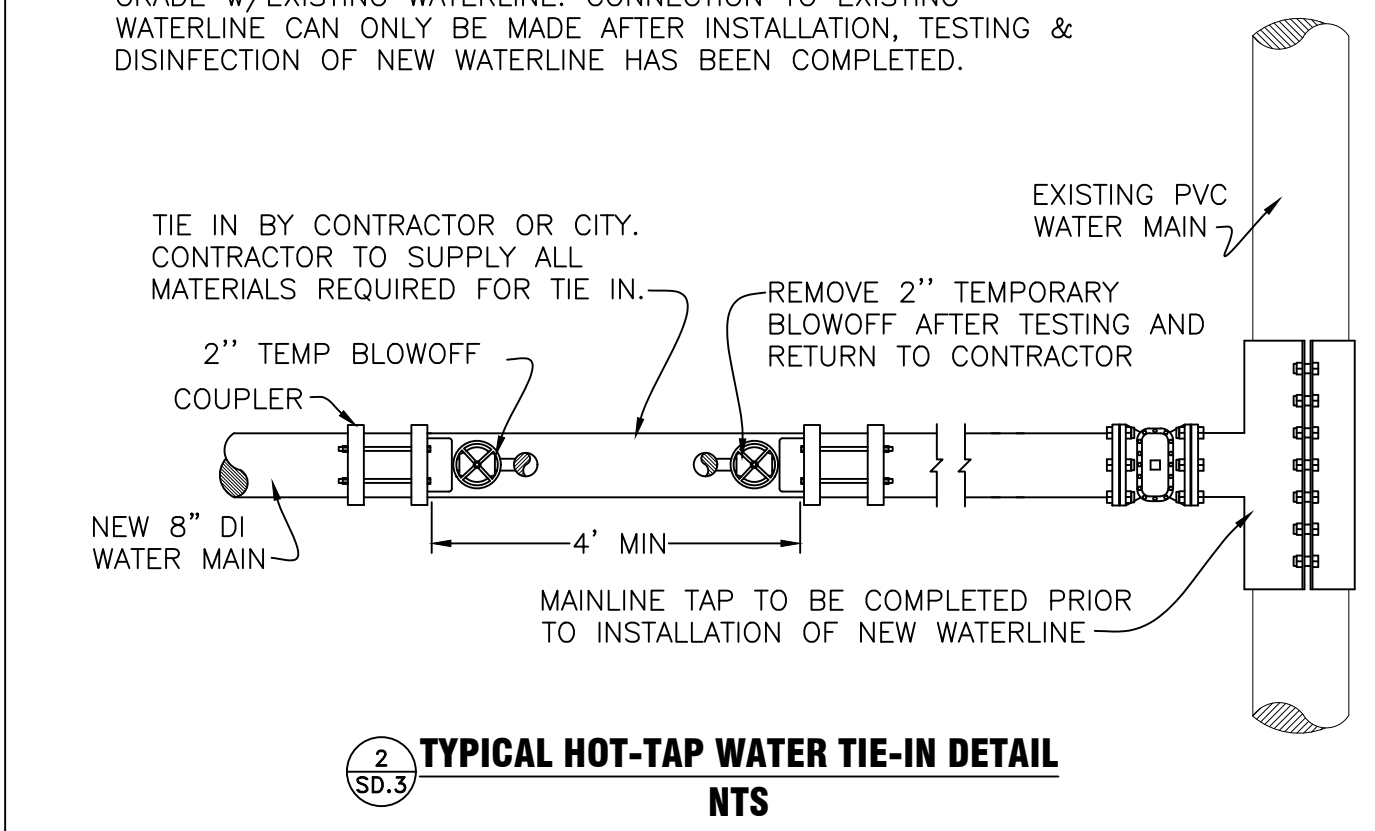
- 1 OR APPROVED EQUAL. SEE GENERAL SPECIFICATIONS.
- 2 TYPE AS APPROVED BY MANUFACTURER FOR WATER MAIN TYPE & SIZE.
- 3 TOP OF METER SHALL BE 4" TO 6" BELOW BOTTOM OF LID.



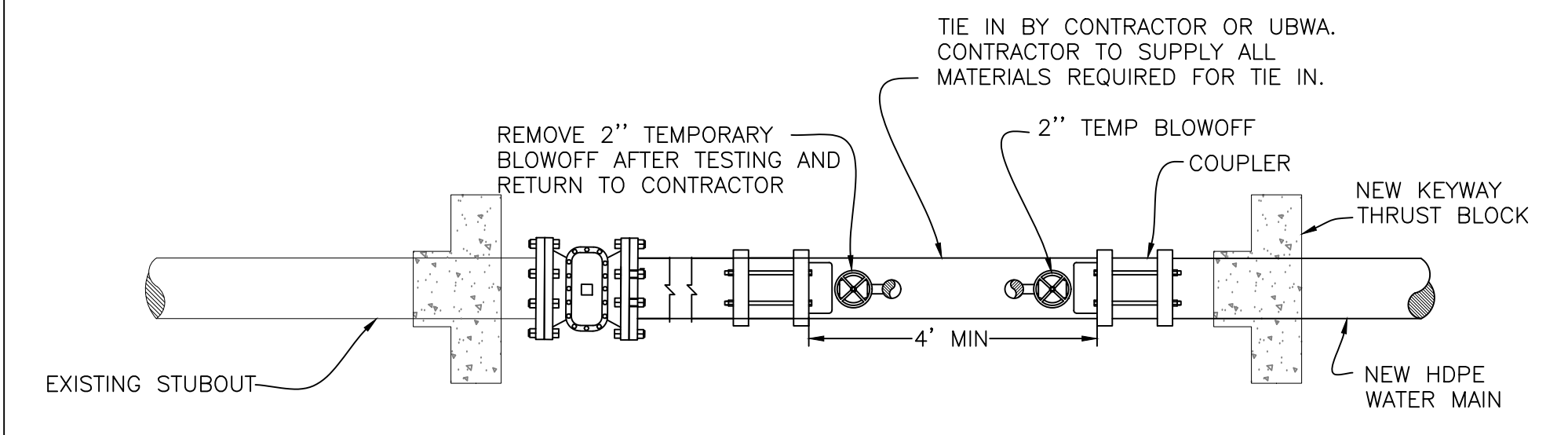
ITEM NO.	SIZE	DESCRIPTION	TYPE	QTY.
1	AS REQ'D	SERVICE SADDLE	FORD, CC THD. 2	1
2	3/4"	CORP. STOP	FORD, F 1001 (CCxPACK JOINT) 3	1
3	3/4"	SERVICE PIPE	200 p.s.i. POLYETHYLENE PIPE (PE 3406) IPS 4	AS REQ'D
4	3/4"	ANGLE STOP	FORD, KV63-332W (PACK JOINT) 5	1
5	5/8"x3/4"	METER	SENSUS - SR, BRONZE CASE, CU.FT. READ	1
6	3/4"	STRAIGHT CHECK VALVE	FORD, H38-323 (METER NUTxMIPT)	1
7	3/4"	VALVE	BRONZE, HAND WHEEL, FIPT	1
8	-	CUSTOMER SERVICE	PER STATE PLUMBING CODE	-
9	-	METER BOX	BROOKS, NO. 37 w/TYPE S COVER & CI LID	1
10	NO. 12	TONE WIRE	ELECTRICAL THNN STRANDED COPPER WIRE, COIL 1'0" IN METER BOX	AS REQ'D

- 1 OR APPROVED EQUAL. SEE GENERAL SPECIFICATIONS.
- 2 TYPE AS APPROVED BY MANUFACTURER FOR WATER MAIN TYPE & SIZE.
- 3 WHERE A 1-INCH SERVICE LINE IS SPECIFIED TO SERVE A SINGLE 5/8"x3/4" METER, USE 1" FORD F1001 (CCxPJ) CORP STOP, FORD KV63-342W ANGLE STOP (PJ), AND 1" PE 3406 SERVICE PIPE.
- 4 TOP OF METER SHALL BE 4" TO 6" BELOW BOTTOM OF LID.

- TIE-IN NOTES:**
- ALL PIPE AND FITTINGS FOR TIE-IN TO BE CLEAN AND WIPED w/CHLORINE PRIOR TO INSTALLATION
  - CONTRACTOR TO ALIGN NEW MAINLINE IN BOTH ALIGNMENT AND GRADE w/EXISTING WATERLINE. CONNECTION TO EXISTING WATERLINE CAN ONLY BE MADE AFTER INSTALLATION, TESTING & DISINFECTION OF NEW WATERLINE HAS BEEN COMPLETED.



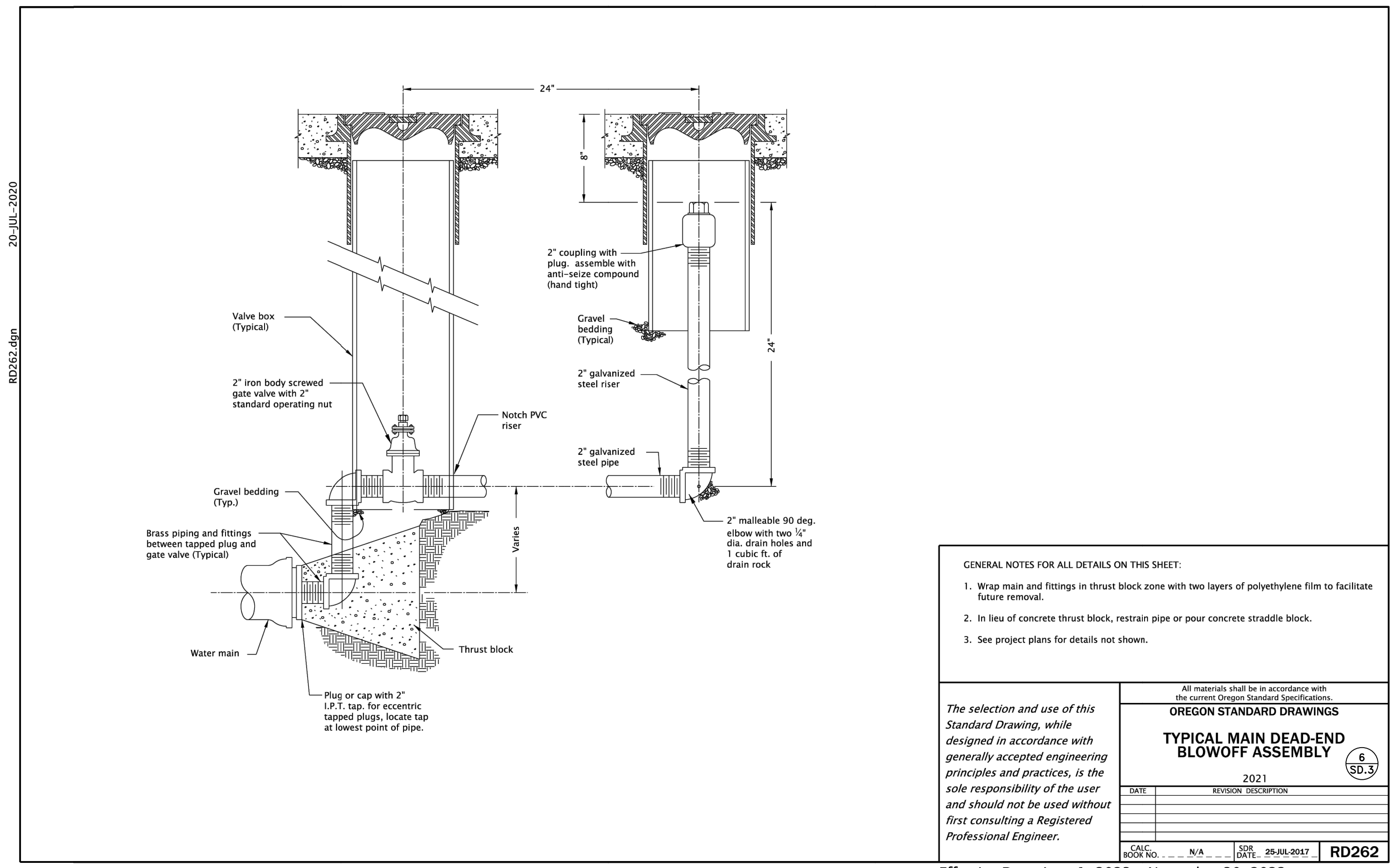
**2**  
SD.3  
**TYPICAL HOT-TAP WATER TIE-IN DETAIL**  
NTS



**3**  
SD.3  
**TYPICAL IN-LINE WATER TIE-IN DETAIL**  
NTS

- TIE-IN NOTES:**
- CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH, AND CONFIGURATION OF EXISTING PIPING AT THE TIE IN PRIOR TO CONSTRUCTION
  - ALL PIPE AND FITTINGS FOR TIE IN TO BE CLEAN AND WIPED w/CHLORINE PRIOR TO INSTALLATION, CONTRACTOR TO ALIGN NEW MAINLINES IN BOTH.
  - CONNECTION TO EXISTING WATERLINE CAN ONLY BE MADE AFTER INSTALLATION, TESTING & DISINFECTION OF NEW WATERLINE HAS BEEN COMPLETED.
  - EXISTING WATERLINES TO REMAIN IN SERVICE UNTIL ALL SERVICE LINES HAVE BEEN CONNECTED TO NEW WATER MAIN.
  - CONTRACTOR TO PROVIDE ALL TEMPORARY AND PERMANENT THRUST BLOCKING AS REQUIRED.
  - CONTRACTOR TO PROVIDE AT LEAST 48 HOURS NOTIFICATION TO UWBA PRIOR TO CONSTRUCTION.
  - CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH INDIVIDUAL HOME AND BUSINESS OWNERS FOR TEMPORARY SHUT DOWNS DURING NEW SERVICE INSTALLATION IF NEEDED
  - MEGALUG PIPE RESTRAINTS (OR APPROVED EQUAL) ARE REQUIRED AT ALL FITTINGS, IN ADDITION TO STANDARD THRUST BLOCKS.

**4**  
SD.3  
**TYPICAL DUAL 5/8" x 3/4" METER INSTALLATION ASSEMBLY DETAIL**  
NTS



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
- Wrap main and fittings in thrust block zone with two layers of polyethylene film to facilitate future removal.
  - In lieu of concrete thrust block, restrain pipe or pour concrete straddle block.
  - See project plans for details not shown.

*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 first consulting a Registered Professional Engineer.*

All materials shall be in accordance with the current Oregon Standard Specifications.

**OREGON STANDARD DRAWINGS**

**TYPICAL MAIN DEAD-END BLOWOFF ASSEMBLY**

2021

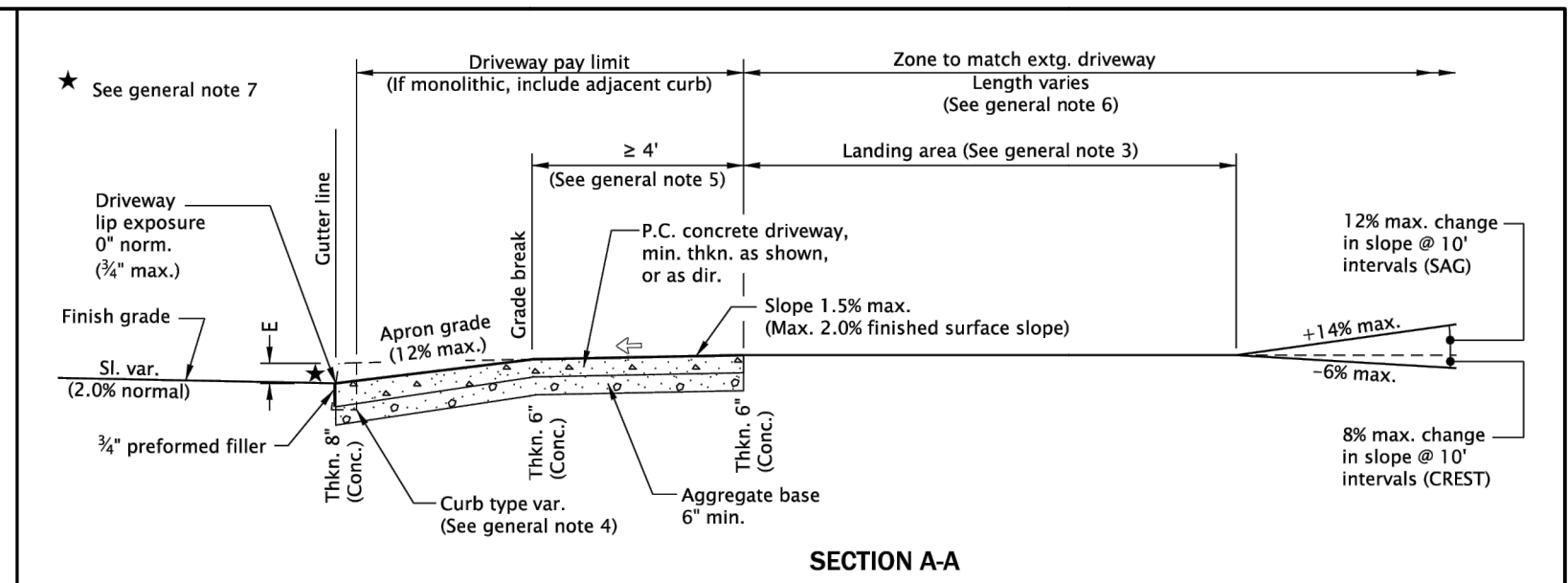
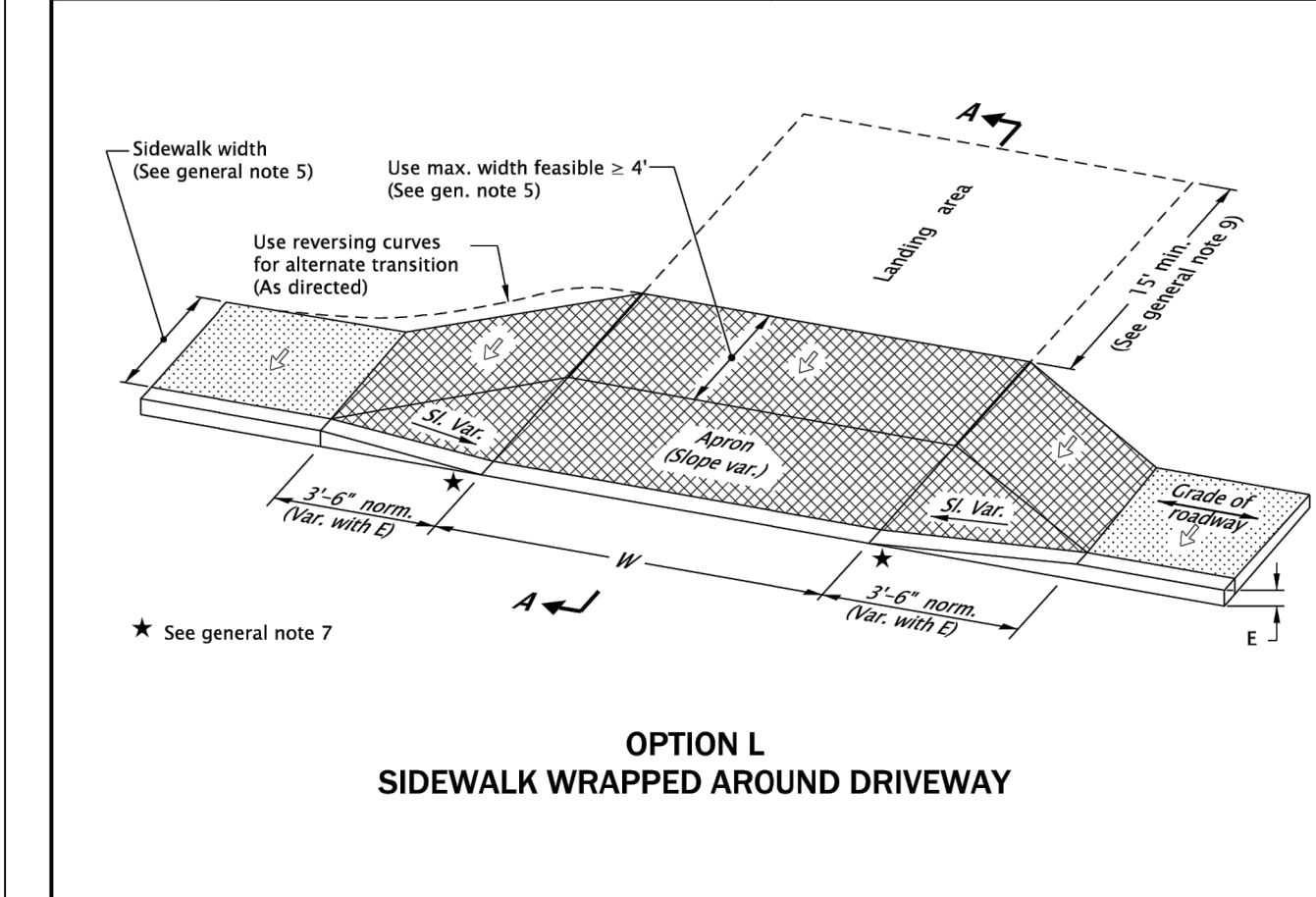
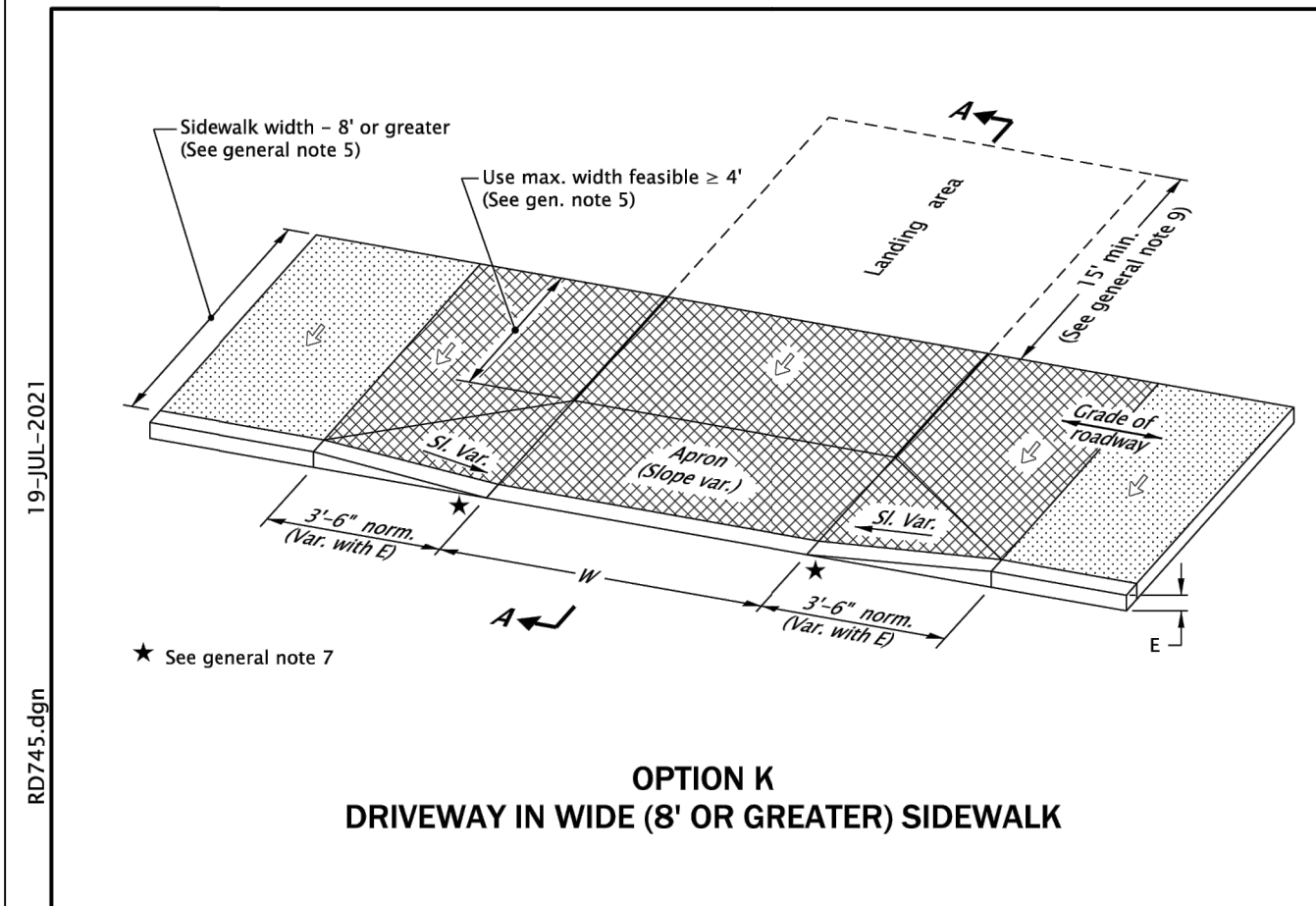
DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_

CALC: \_\_\_\_\_ N/A \_\_\_\_\_ SDG: 25-011-2017 RD262

Effective Date: June 1, 2023 - November 30, 2023

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OAR 952-001-0010 THROUGH  
OAR 952-001-0090

19-JUL-2021  
RD745.dgn



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
1. Details are based on applicable ODOT Standards.
  2. Only use details allowed by jurisdiction.
  3. The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.
  4. Curb, gutter, and sidewalk types varies, see plans. See Std. Dwg. RD700 & RD701 for curb details. See Std. Dwg. RD720 for sidewalk details. See Std. Dwg. RD722 for joint details.
  5. A greater than or equal 4' unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.
  6. Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.
  7. Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway. If overtopping occurs place an inlet at upstream side of driveway or perform other approved design mitigation.
  8. Construct a full depth expansion joints with 1/2" preformed joint filler at ends of each driveway. Tooled joints are required at all driveway slope break lines.
  9. 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.
  10. Monolithic curb & sidewalk shall retain thickened edge through lowered profile, to accommodate driveway use. See Std. Dwg. RD720 for details.
  11. Any dimensions except those of general note 5 may be amended by local agencies for their use.

- LEGEND:
- Sidewalk
  - Driveway pay limit (if monolithic, include adjacent curb) (See project plans for details not shown)
  - Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
  - W Width of driveway
  - E Curb exposure
- NOTE: This drawing is to be used by local agencies to assist them in the design of driveways on their facilities.

*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 first consulting a Registered Professional Engineer.*

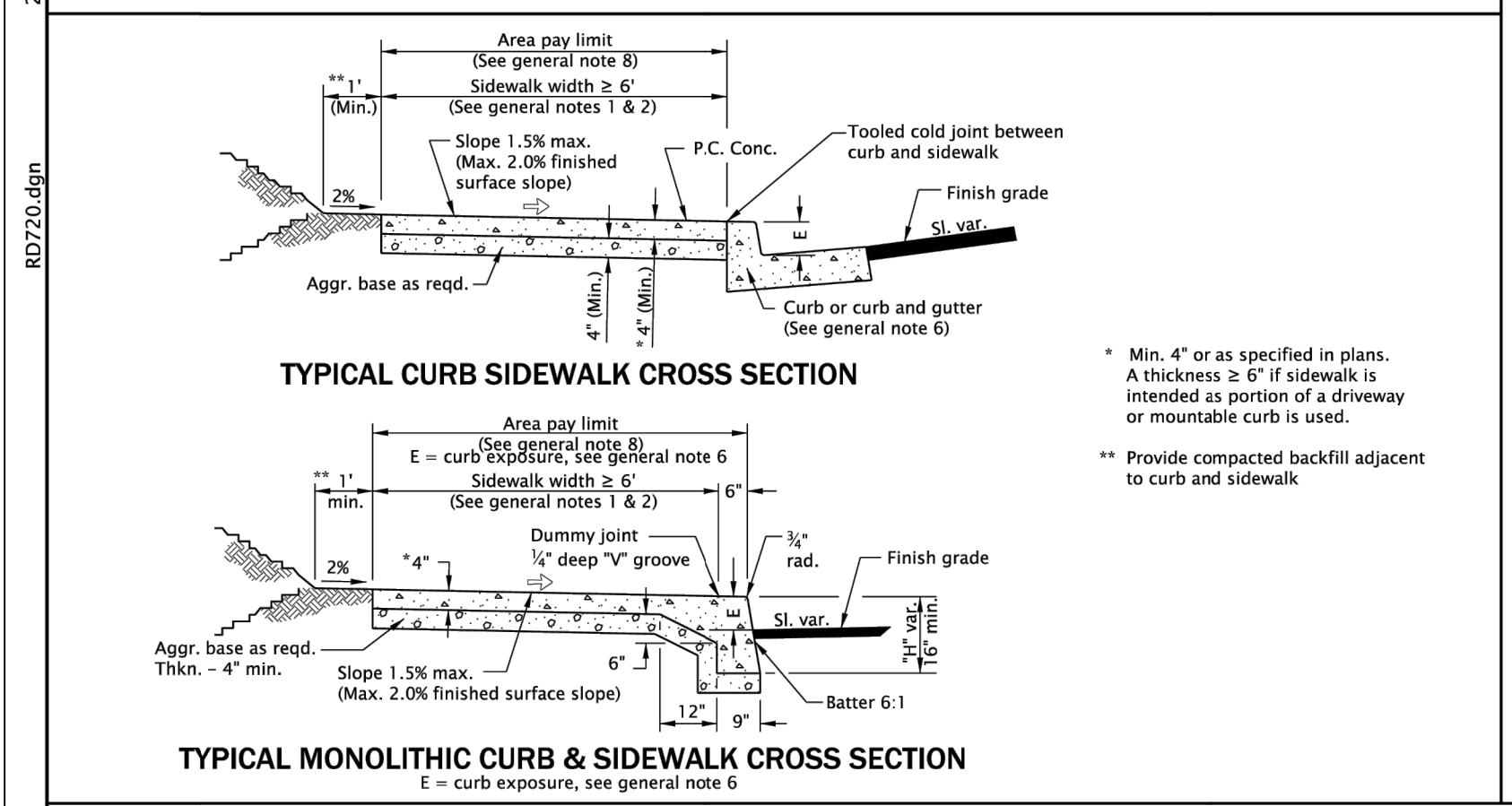
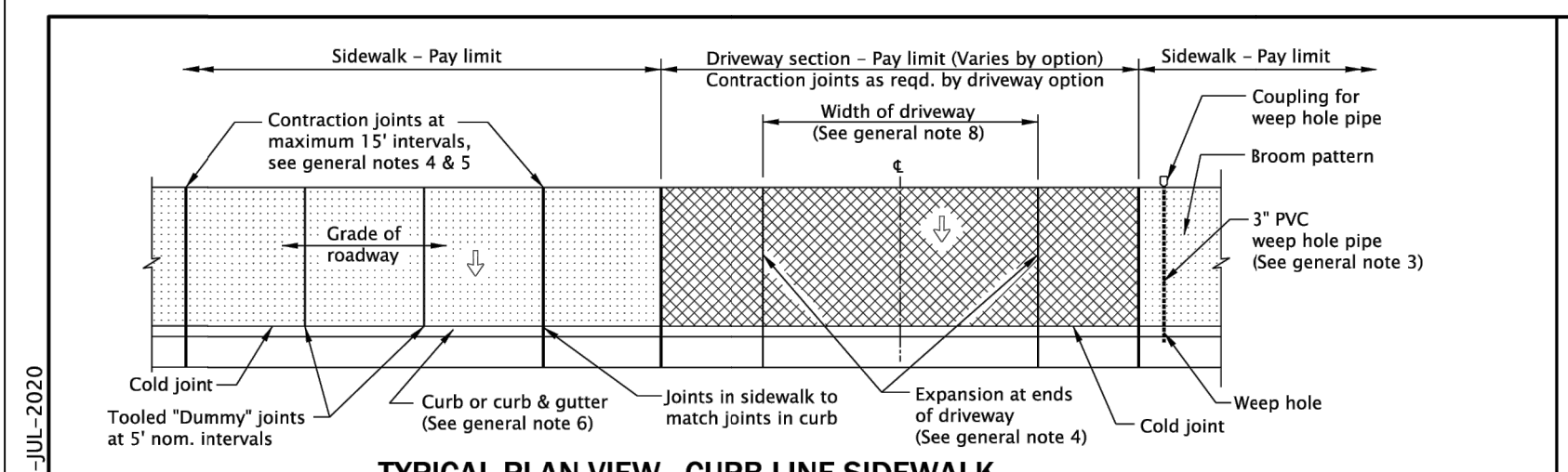
OREGON STANDARD DRAWINGS  
**CURB LINE SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS K & L) LOCAL JURISDICTIONS**  
2021  
SD.4

DATE	REVISION	DESCRIPTION
07-2021		NEW DRAWING CREATED

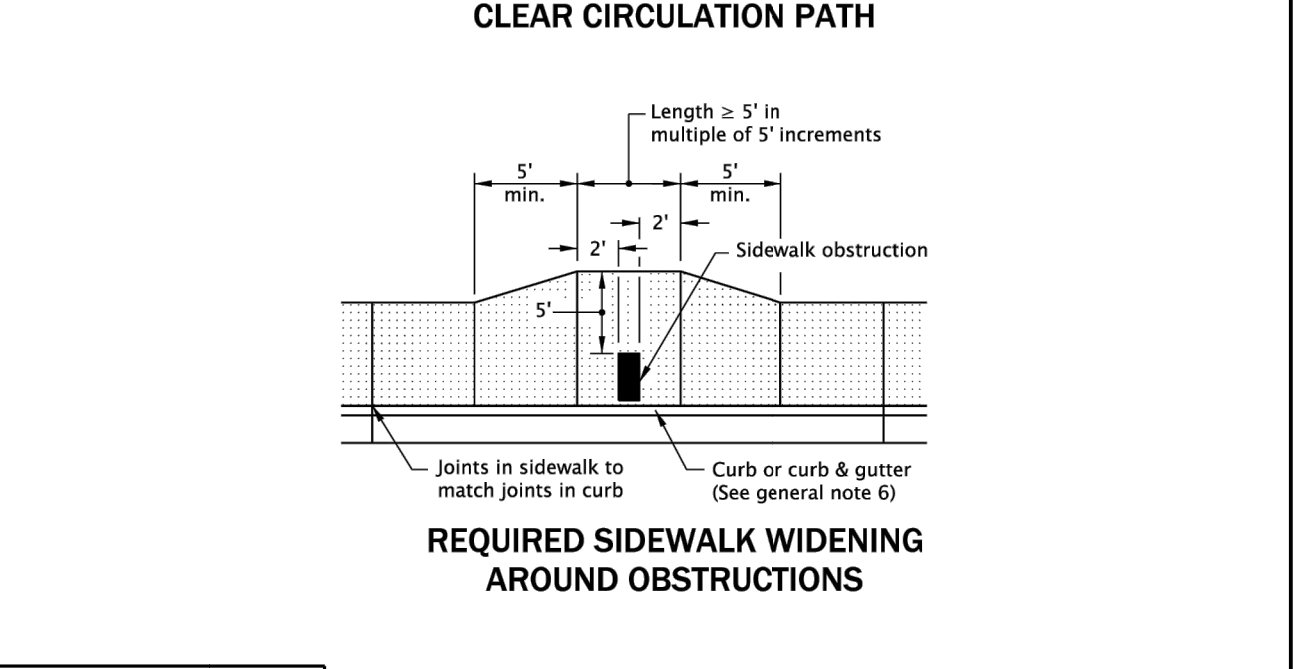
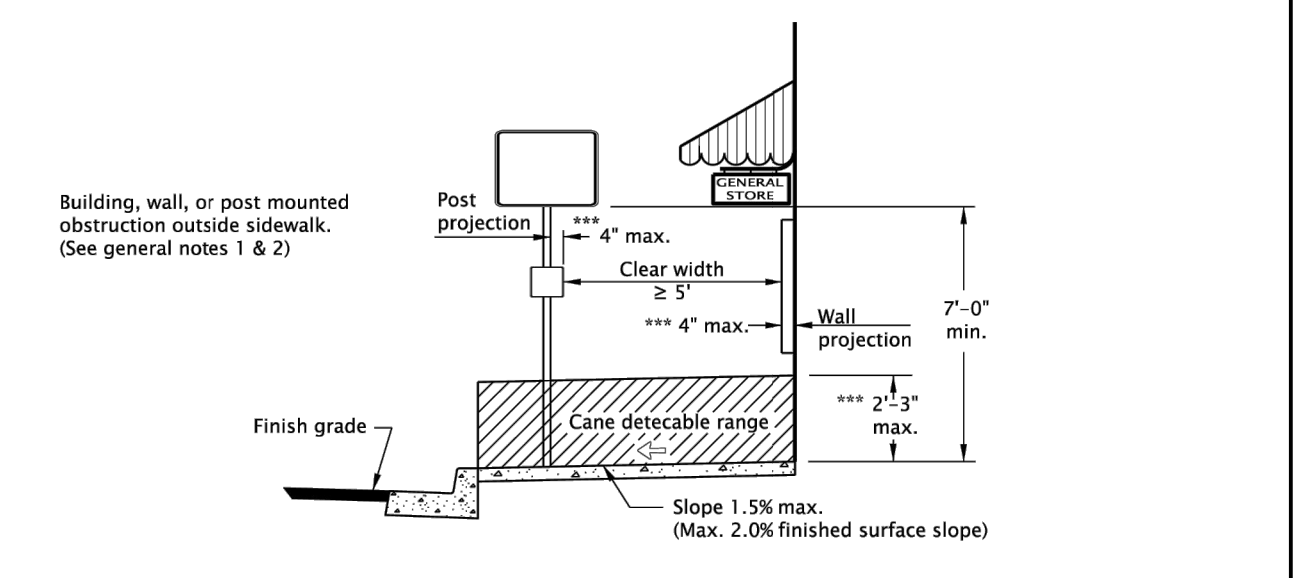
CALC. BOOK NO. N/A SDR DATE: 19-JUL-2021 **RD745**

Effective Date: June 1, 2023 - November 30, 2023

20-JUL-2020  
RD720.dgn



\*\*\* Objects with base below 2'-3" may protrude any distance as long as the 5' circulation path is maintained. When an object with a base higher than 2'-3" protrudes further than 4" provide a detection below protrusion to delineate edge.



*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 first consulting a Registered Professional Engineer.*

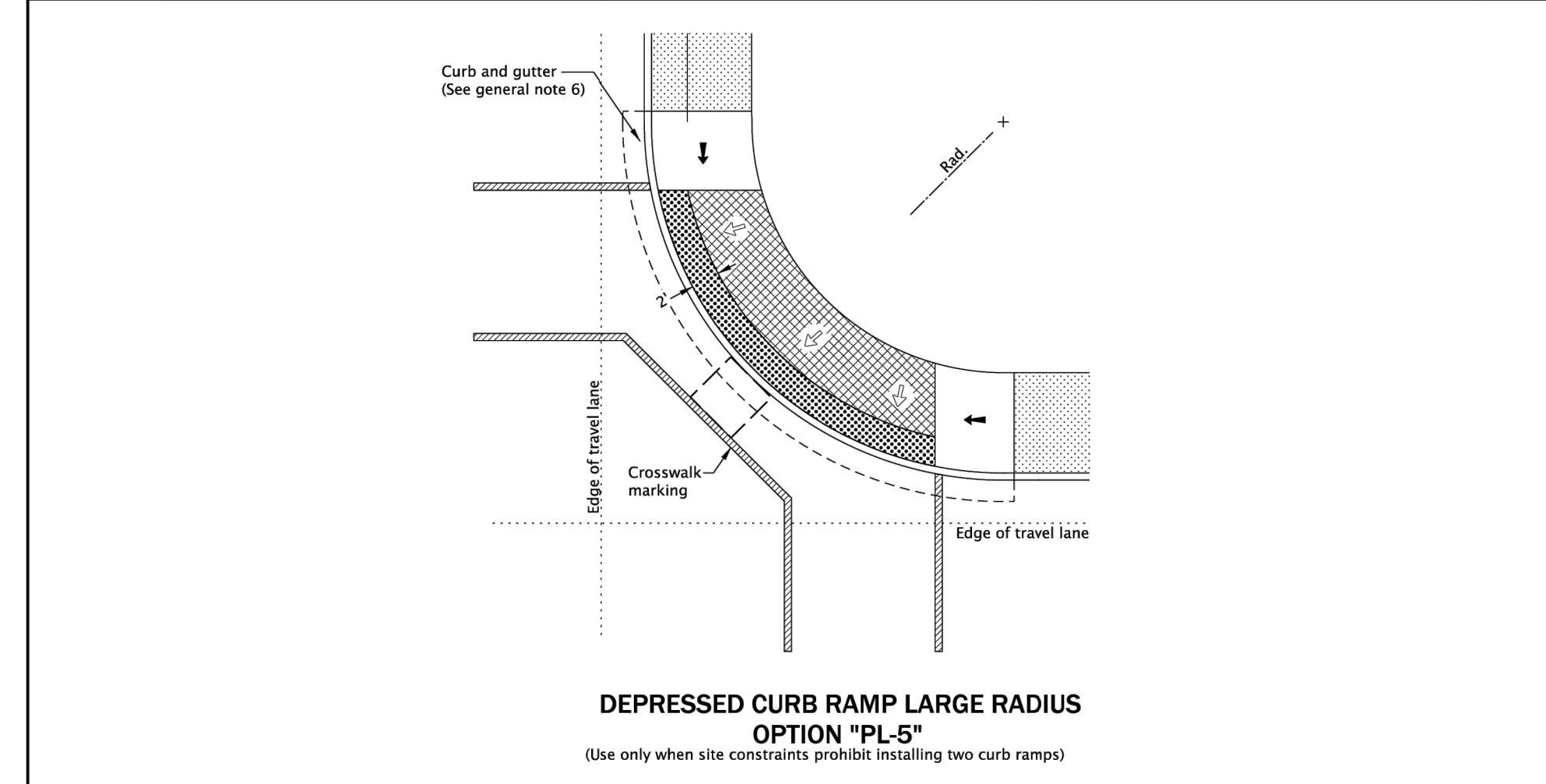
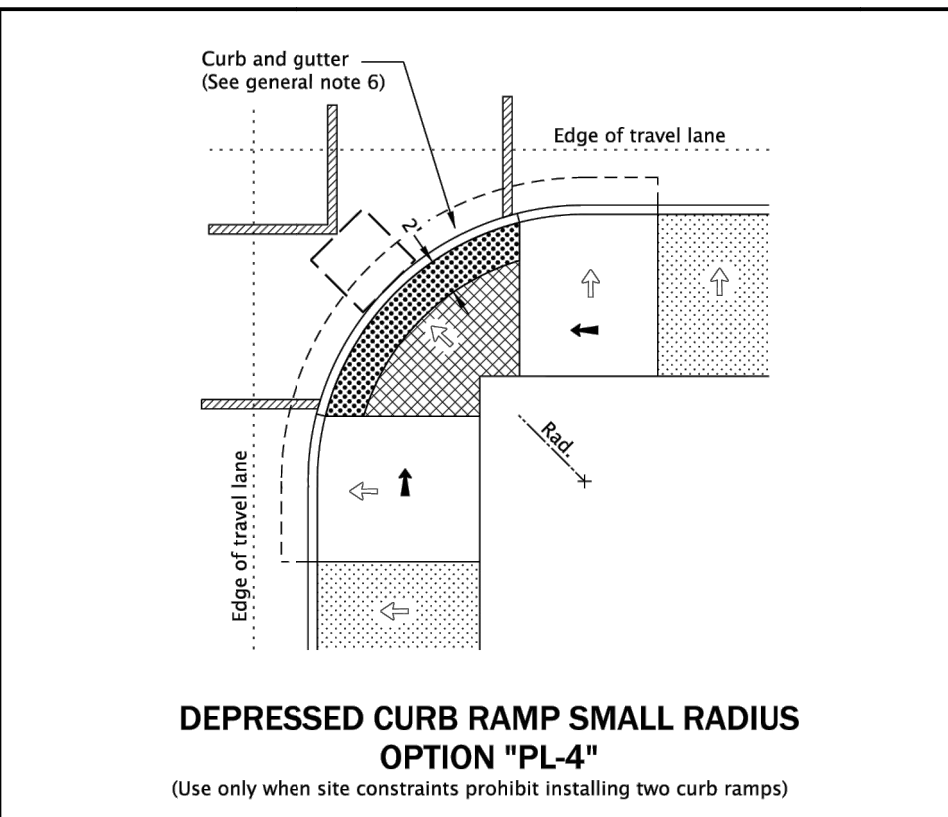
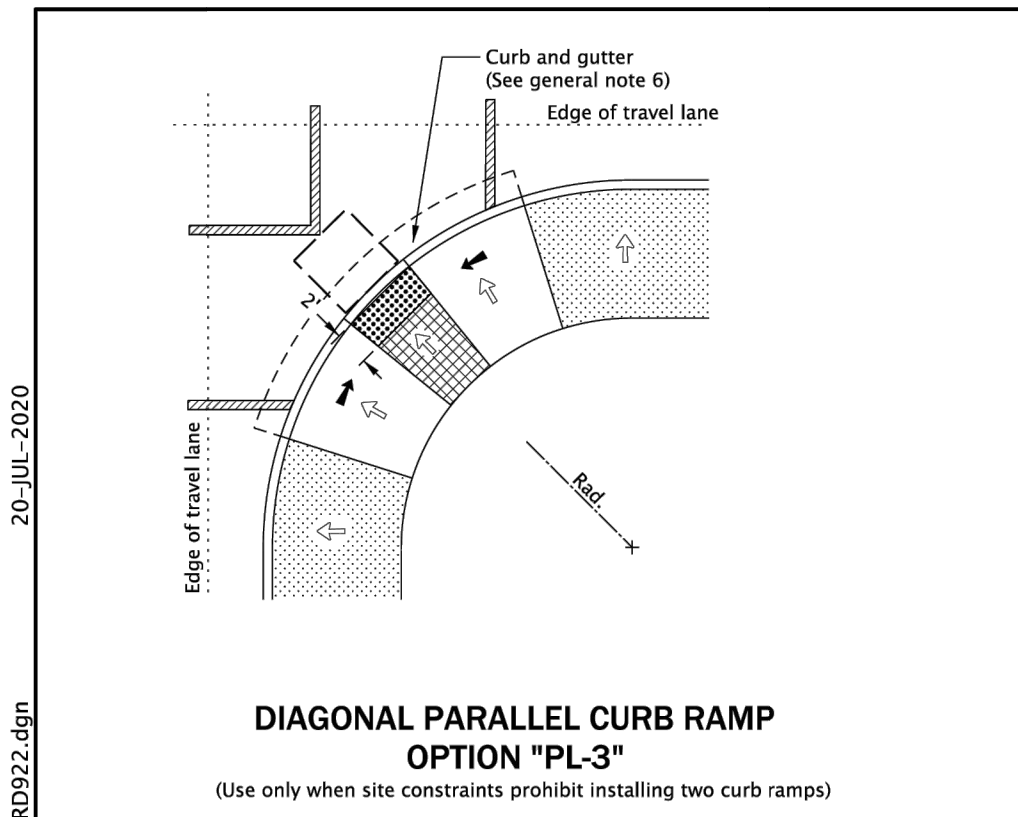
OREGON STANDARD DRAWINGS  
**CURB LINE SIDEWALKS**  
2021  
SD.4

DATE	REVISION	DESCRIPTION
07-2021		NEW DRAWING CREATED

CALC. BOOK NO. N/A SDR DATE: 20-JUL-2020 **RD720**

Effective Date: June 1, 2023 - November 30, 2023

20-JUL-2020  
RD922.dgn



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
1. Curb ramp details are based on applicable ODOT Standards.
  2. See project plans for details not shown. See Std. Dwg. RD700 & RD701 for curbs. See Std. Dwg. RD720 & RD721 for sidewalks. See Std. Dwg. RD902 through RD908 for detectable warning surface installation details. See Std. Dwg. RD920 for parallel curb ramp details.
  3. Tooled dummy joints are required at all curb ramp slope break lines. (See Std. Dwg. RD722).
  4. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
  5. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
  6. On or along state highways, curb and gutter is required at curb ramps.
  7. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
  8. Only use curb ramp options allowed by jurisdiction. Single ramps require design exceptions on or along state highways.

- LEGEND:
- Marked or intended crossing location
  - Sidewalk
  - Detectable warning surface
  - Level area (Turning space/landing) Unobstructed 4.5' x 4.5' With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing). For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
  - Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
  - Running slope 7.5% max. (Max. 8.3% finished surface slope)
  - 4'x4' clear space

*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 first consulting a Registered Professional Engineer.*

OREGON STANDARD DRAWINGS  
**PARALLEL CURB RAMP SINGLE RAMP**  
2021  
SD.4

DATE	REVISION	DESCRIPTION
07-2021		NEW DRAWING CREATED

CALC. BOOK NO. N/A SDR DATE: 20-JUL-2020 **RD922**

Effective Date: June 1, 2023 - November 30, 2023

19-JUL-2021  
RD745.dgn

*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 first consulting a Registered Professional Engineer.*

OREGON STANDARD DRAWINGS  
**CURB LINE SIDEWALKS**  
2021  
SD.4

DATE	REVISION	DESCRIPTION
07-2021		NEW DRAWING CREATED

CALC. BOOK NO. N/A SDR DATE: 19-JUL-2021 **RD745**

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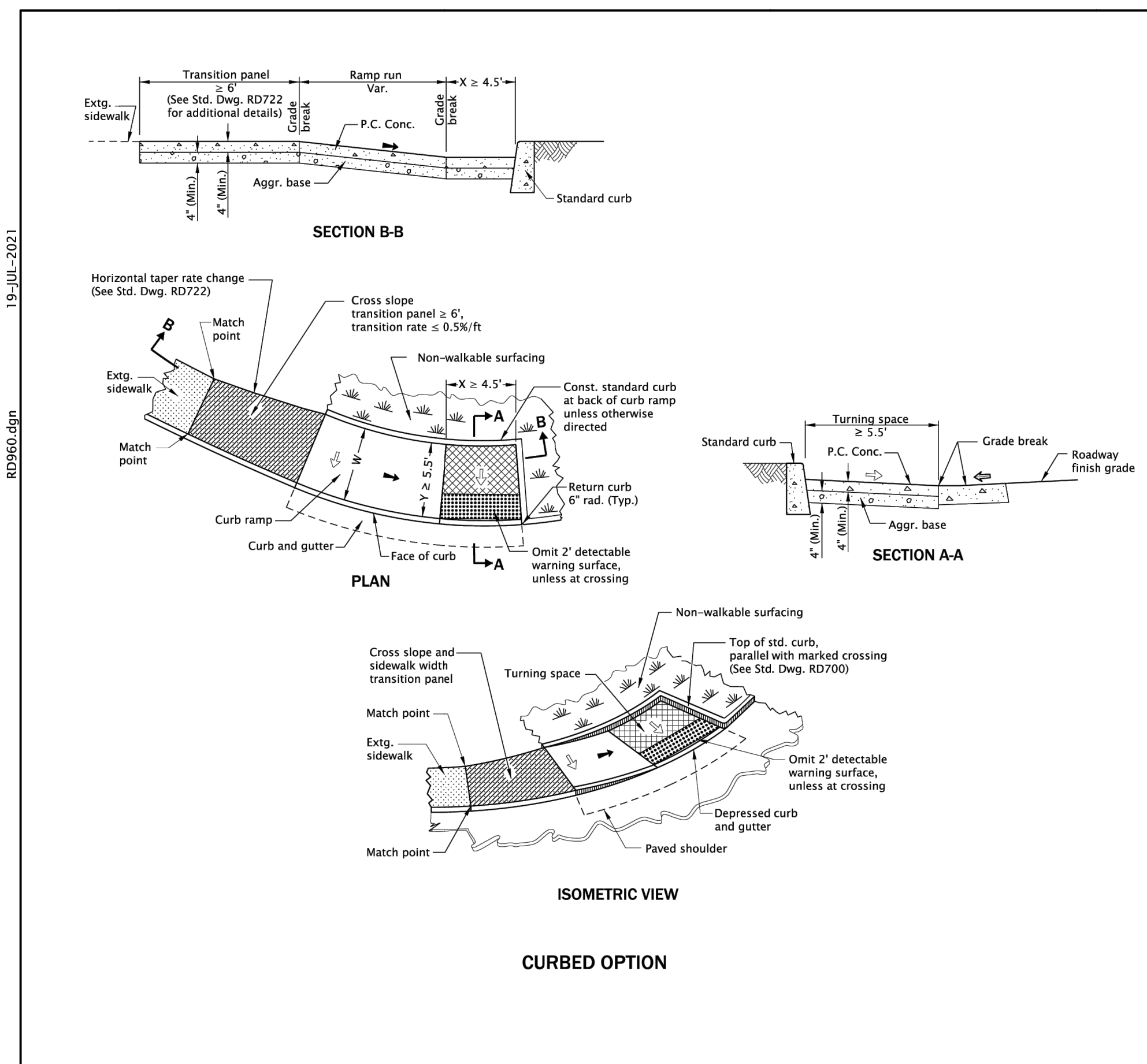
OREGON STANDARD DRAWINGS  
**CURB LINE SIDEWALKS**  
2021  
SD.4

DATE	REVISION	DESCRIPTION
07-2021		NEW DRAWING CREATED

CALC. BOOK NO. N/A SDR DATE: 20-JUL-2020 **RD720**

Effective Date: June 1, 2023 - November 30, 2023

19-JUL-2021  
RD960.dgn



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
1. Curb ramp details are based on applicable ODOT applicable Standards.
  2. See project plans for details not shown. See Std. Dwg. RD700 & RD701 for curbs. See Std. Dwg. RD720 & RD721 for sidewalks. See Std. Dwg. RD722 for transition panel details. See Std. Dwg. RD902 through RD908 for detectable warning surface installation details. See Std. Dwg. RD920 for parallel curb ramp details.
  3. Site conditions normally require a project special design. See project plans for details not shown.
  4. Tooled dummy joints are required at all curb ramp grade break lines. (See Std. Dwg. RD722).
  5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
  6. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
  7. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
  8. When a shared use path terminates, the curb ramp shall be the full width of the path, the turning space Y-dimension should be minimum 8' wide to enable bicycles to ride from ramp to shoulder.
  9. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
  10. On or along state highways, curb and gutter is required at curb ramps.
  11. Unique curb ramp option can be used for curved or tangent roadway sections. Superelevated roadways require a site specific detail.

*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 first consulting a Registered Professional Engineer.*

OREGON STANDARD DRAWINGS  
**UNIQUE CURB RAMP**  
2021  
SD.4

DATE	REVISION	DESCRIPTION
07-2021		NEW DRAWING CREATED

CALC. BOOK NO. N/A SDR DATE: 19-JUL-2021 **RD960**

Effective Date: June 1, 2023 - November 30, 2023

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EXPIRES: 12.31.2024

Rev.	Date	Dwg	Description

BANDON COASTAL SUBDIVISION

SALTY DUG OR BANDON, OR 97411  
STANDARD DETAILS  
NTS  
FEBRUARY 1, 2023  
ISSUE: PRELIMINARY  
CHK: AMP

PROJECT NO. 3183-01  
DRW: ALW  
CNC: AMP

2:\\_0825\3183-Bandon Coastal Properties, LLC\3183-01\_Bandon Coastal Subdivision Phs 1\_VISION\CAD\3183-01\_C-DET.dwg  
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**SD.4**

20-JUL-2020  
RD700.dgn

**O.D.O.T. & City of Portland Standard "H"=16"**  
**STANDARD CURB**  
(See general note 11)

**MOUNTABLE CURB**  
(See general note 11)

**CURB ENDING DETAIL**

**CURB AND GUTTER**

**MOUNTABLE CURB AND GUTTER**

**LOW PROFILE MOUNTABLE CURB AND GUTTER**  
(Where shown on plans)

**LOW PROFILE MOUNTABLE CURB**  
(See general note 11)

**MODIFICATION FOR KEYWAY**  
(Where shown on plans)

**WEEP HOLE DETAIL**  
(Where shown on plans, and allowed by jurisdiction)

**VALLEY GUTTER**

**GUTTER PAN NOTES:**  
Slope 5.0% normal.  
Slope 4.0% max. at curb ramps.  
Vary slope as reqd. for drainage.  
Vary where shown on plans, and allowed by jurisdiction.

**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- Curb exposure "E" = 6" to 9", as measured vertically from flowline to highest point on curb. Vary as shown on plans or as directed. O.D.O.T. standard "E" = 7".
- Const. curb expansion joints at 200' maximum spacing, and at points of tangency, and at ends of each driveways.
- Const. curb contraction joints at 15' maximum spacing, and at ends of each inlet and curb ramp.
- Transitions shall be used to connect curbs of different exposures "E". ("E" is the total vertical dimension of those curb surfaces having a slope of 1:1 or steeper). Minimum desirable transition length shall be 20' for each 1" difference in "E".
- Tops of all curbs shall slope toward the roadway at 1.5% max. (Max. 2.0% finished surface slope), unless otherwise shown, or as directed.
- Dimensions are nominal, vary to conform with machine approved by the engineer.
- Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
- For sidewalk details, and monolithic curb & sidewalk, see Std. Dwg. RD720 & RD721.
- For drainage curbs, see Std. Dwg. RD701.
- For curb ramp details, see Std. Dwg. RD900 series.
- On or along state highways, curb and gutter is required at curb ramp.

*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 first consulting a Registered Professional Engineer.*

All materials shall be in accordance with the current Oregon Standard Specifications.  
**OREGON STANDARD DRAWINGS**  
**CURBS**  
2021  
1 SD.5

DATE	REVISION DESCRIPTION

CALC. BOOK NO. N/A    SD. DATE 20-JUL-2020    **RD700**

Effective Date: June 1, 2023 - November 30, 2023

20-JUL-2020  
RD302.dgn

**STREET CUT**

**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- All existing AC or PCC pavement shall be sawcut prior to repaving.
- Concrete pavement shall be replaced with concrete to a minimum thickness of 8" or to the thickness of removed pavement, whichever is greater.
- For joining new concrete to existing concrete, see contract plans for specific details.
- Place AC mix minimum thkn. of 6" or the thkn. of the removed pavement, whichever is greater. Compact as specified.

*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 first consulting a Registered Professional Engineer.*

All materials shall be in accordance with the current Oregon Standard Specifications.  
**OREGON STANDARD DRAWINGS**  
**STREET CUT**  
2021  
2 SD.5

DATE	REVISION DESCRIPTION

CALC. BOOK NO. N/A    SD. DATE 20-JUL-2020    **RD302**

Effective Date: June 1, 2023 - November 30, 2023

20-JUL-2020  
RD310.dgn

**SHALLOW TRENCH SERVICE**

**DEEP TRENCH SERVICE**

**WASTEWATER SERVICE TAP**

**NOTES:**

- Pipe and fittings shall be compatible. Only manufactured fittings shall be used.
- Minimum depth at right of way or easement line shall be 4'.
- Marker posts and blocking shall be treated wood. Post shall be 2"x4" fir. Post to extend 12" minimum above finish grade and exposed area shall be painted green.
- When required, a cleanout shall be installed where directed.
- Lay building sewer at max. 45° from horizontal to achieve required depth at property line when minimum slope results in excessive depth.
- For bedding and backfill see Std. Dwg. RD300.
- See Std. Dwg. RD336 for tracer wire details.

*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 first consulting a Registered Professional Engineer.*

All materials shall be in accordance with the current Oregon Standard Specifications.  
**OREGON STANDARD DRAWINGS**  
**SHALLOW/DEEP TRENCH SERVICE CONNECTION, BLOCKING AND MARKERS**  
2021  
3 SD.5

DATE	REVISION DESCRIPTION

CALC. BOOK NO. N/A    SD. DATE 21-JUL-2018    **RD310**

Effective Date: June 1, 2023 - November 30, 2023

20-JUL-2020  
RD336.dgn

**MANHOLE WITH PRECAST CONICAL TOP**

**MANHOLE WITH PRECAST FLAT SLAB TOP**

**GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**

- All precast products shall conform to requirements of ASTM C478.
- Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD344 for manhole base section.
- Adjust 24" maximum.
- All connecting pipes shall have a tracer wire, or approved alternate.
- See Std. Dwg. RD336 for manhole steps.
- See Std. Dwg. RD336 for details not shown.
- See Std. Dwg. RD336 for manhole covers and frames, manhole adjustment rings, etc.
- Max. pipe diameter varies with pipe material.
- See Std. Dwg. RD342 for shallow manholes.
- Location, elevation, diameter, slope, and number of pipes(s) varies, see project plans.
- This detail limited to interior drop of 24".
- See Std. Dwg. RD350 or RD352 for drop manhole details for drops in excess of 24".

*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 first consulting a Registered Professional Engineer.*

All materials shall be in accordance with the current Oregon Standard Specifications.  
**OREGON STANDARD DRAWINGS**  
**STANDARD SANITARY SEWER MANHOLE**  
2021  
4 SD.5

DATE	REVISION DESCRIPTION

CALC. BOOK NO. N/A    SD. DATE 21-JUN-2018    **RD338**

Effective Date: June 1, 2023 - November 30, 2023