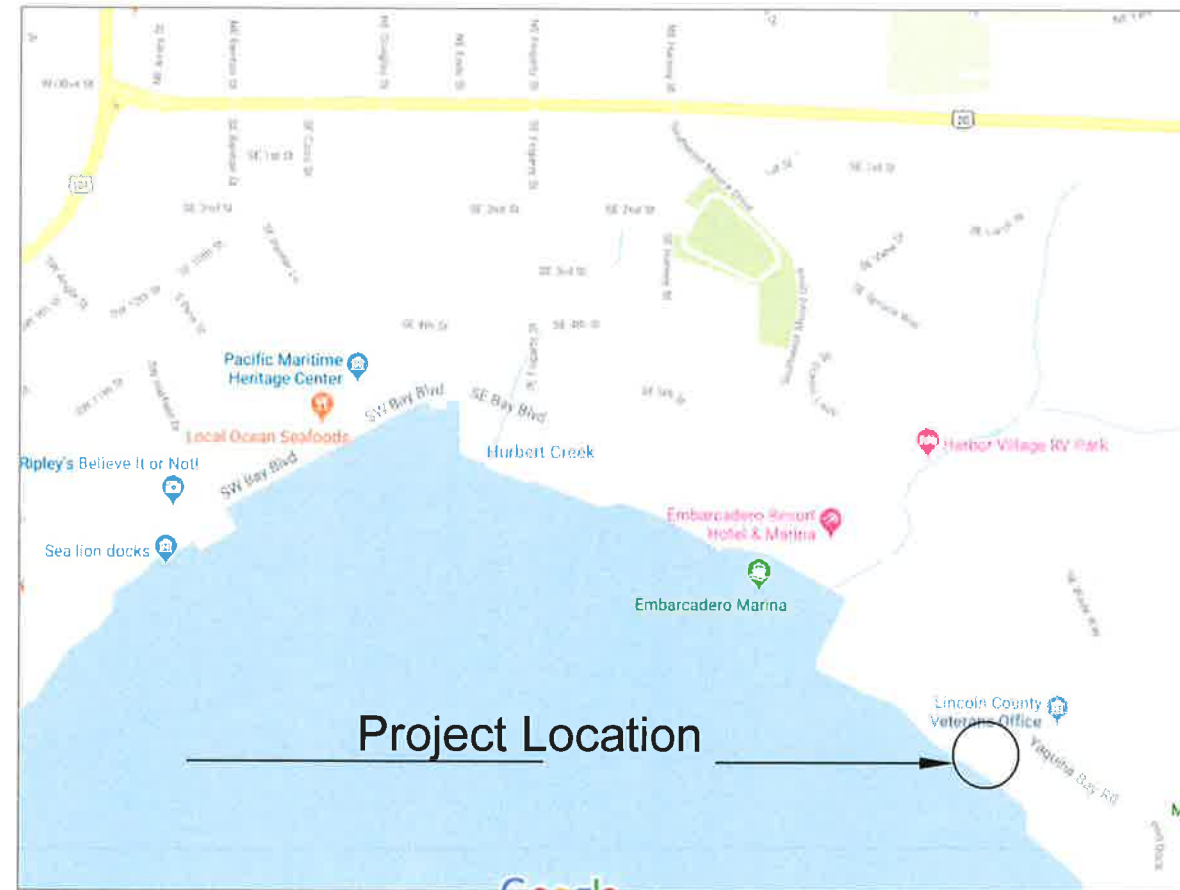


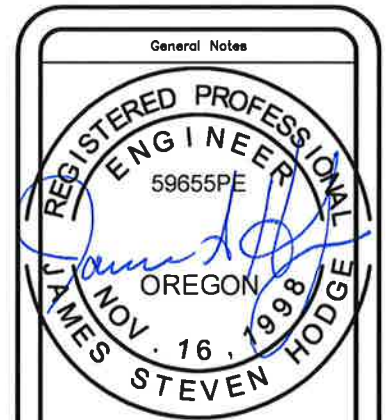
LINCOLN COUNTY, OREGON LINCOLN COUNTY ROAD DEPARTMENT

PLANS FOR PROPOSED PROJECT
GRADING, STRUCTURE, AND PAVING

YAQUINA BAY ROAD PARKING LOT



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	DEMOLITION
2	LAYOUT
3	BUS SHELTER
4	DETAILS
5	GRADING
6	DRAINAGE
ODOT STANDARD DRAWINGS: RD 130, RD 300 RD 302, RD 364, RD 378, RD 390, RD 610, RD 1055 RD 317, RD 378	



Expires: 06/30/2019

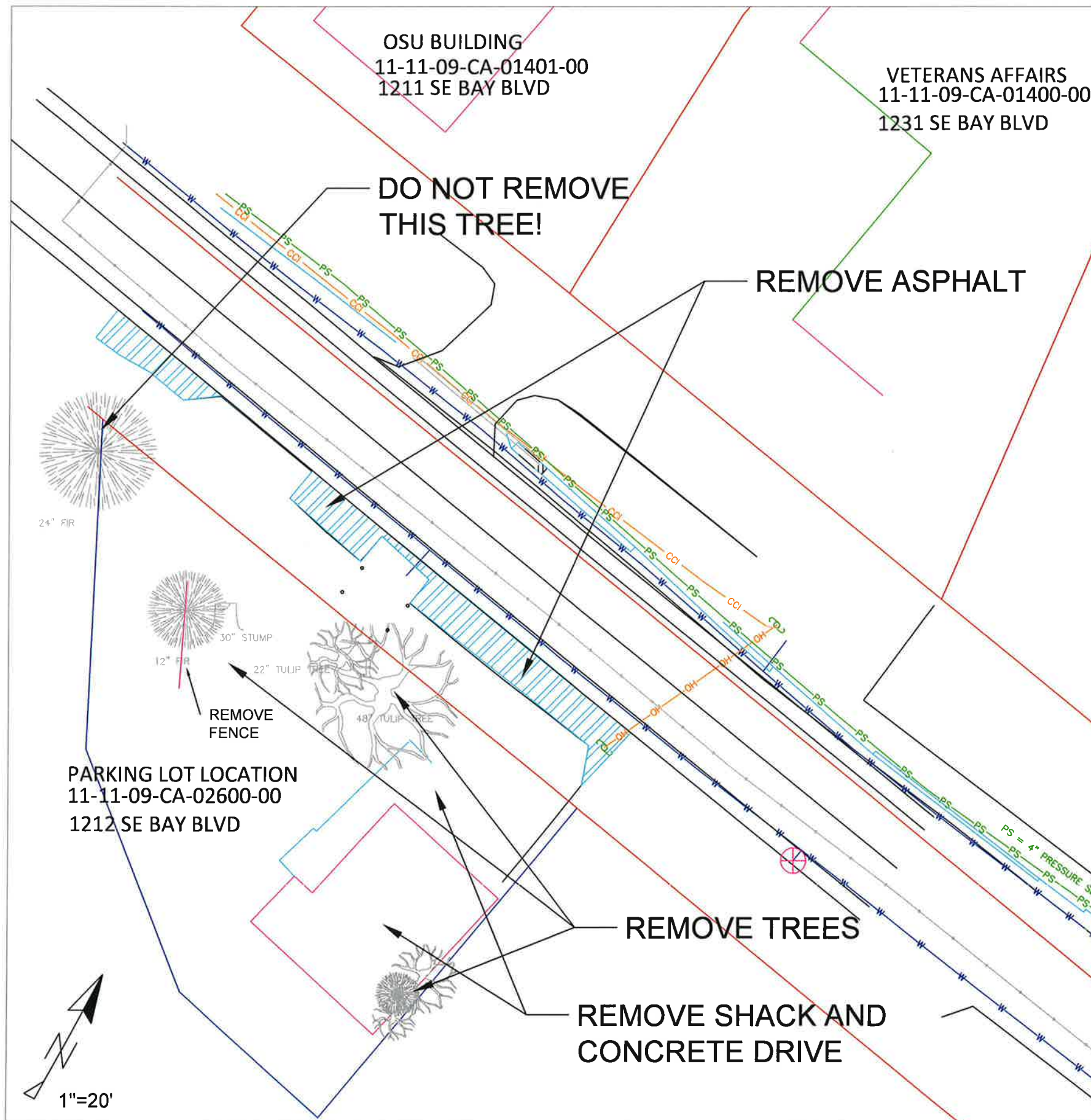
ATTENTION:
Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through 952-001-0090. You may obtain copies of the rules by calling the Center. (NOTE: The Telephone number for the Oregon Utility Center is 503-232-1987.)

No.	Revision/Issue	Date



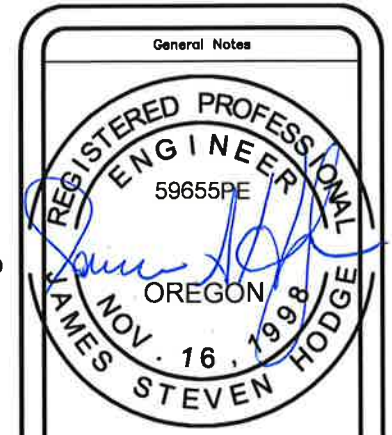
Project Name and Address
Yaquina Bay Road Parking Lot
Public Works
880 NE 7th Street
Newport, OR 97365

Project	Parking Lot	Sheet	S-0
Date	02/07/2019		
Scale	N/A		



GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF LINCOLN COUNTY AND THE CURRENT OREGON DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND CURRENT AMERICAN PUBLIC WORKS ASSOCIATIONS STANDARD FOR PUBLIC WORKS CONSTRUCTION.
2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT, OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE, AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
3. EFFECTIVE EROSION CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED TO MEET THE LINCOLN COUNTY REQUIREMENTS. LINCOLN COUNTY AT ANY TIME MAY ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE EROSION CONTROL.
4. EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
5. CONTRACTOR SHALL ADJUST ALL STRUCTURES IMPACTED BY CONSTRUCTION IMPROVEMENT TO NEW FINISH GRADES.
6. EXCAVATION: EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. EXCAVATORS MUST COMPLY WITH O.R.S. 757.541 THROUGH 757.571 SEVENTY-TWO HOURS PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. (ONE CALL LOCATE UTILITY NOTIFICATION CENTER - 1-800-332-2344).
7. WHERE CONNECTING TO AN EXISTING PIPE, AND PRIOR TO ORDERING MATERIALS THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE VERIFY THE LOCATION, SIZE AND ELEVATION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
8. REQUEST BY THE CONTRACTOR FOR CHANGES TO THE PLANS MUST BE APPROVED BY THE ENGINEER
9. ASBESTOS REPORT INDICATES NO ASBESTOS ASSOCIATED WITH BUILDING. CERTIFIED ASBESTOS CONTRACTOR AND DISPOSAL IS NOT REQUIRED.



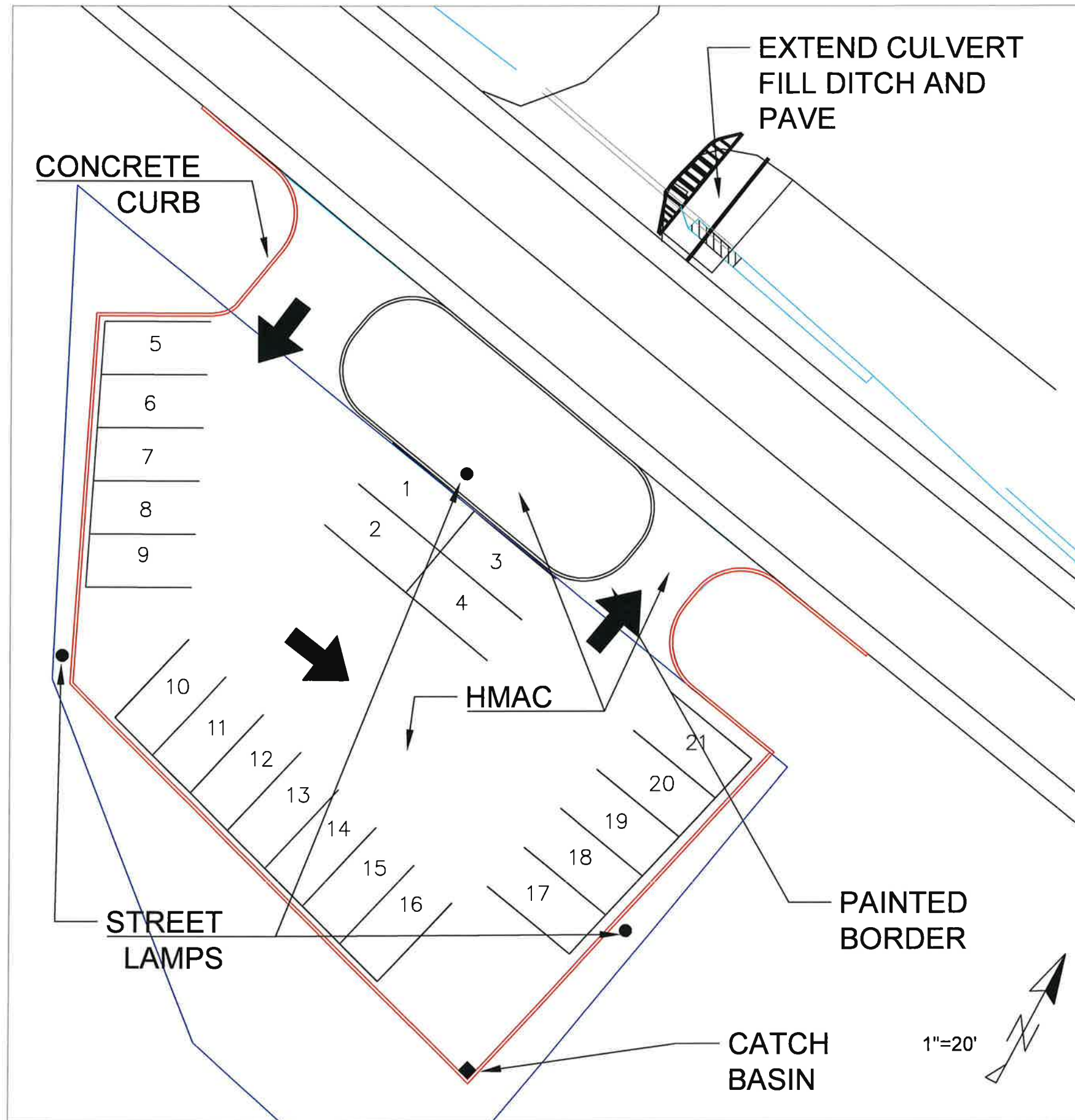
Expires: 06/30/2019

No.	Revision/Issue	Date



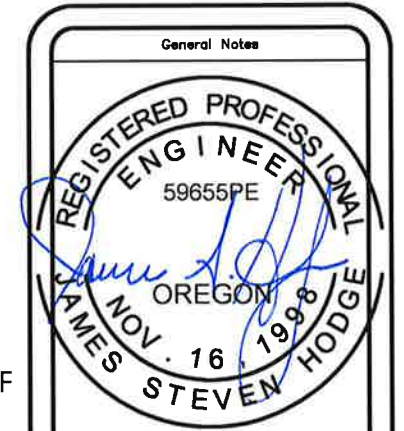
Project Name and Address
 YAQUINA BAY ROAD PARKING LOT
 PUBLIC WORKS
 880 NE 7TH STREET
 NEWPORT, OR 97365

Project	DEMOLITION	Sheet	S-1
Date	02/07/2019		
Scale	1" = 30'		



GRADING NOTES:

1. ROUGH GRADING: BRING ALL FINISH GRADES TO APPROXIMATE LEVELS INDICATED. WHERE GRADES ARE NOT OTHERWISE INDICATED, FINISH GRADES ARE TO BE THE SAME AS ADJACENT SIDEWALKS, CURBS, OR THE OBVIOUS GRADE OF ADJACENT STRUCTURE. GRADE TO UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE GRADES ARE GIVEN. AVOID ABRUPT CHANGES IN LEVEL. ROUND OFF GRADE TO ALLOW FOR DEPTH OF CONCRETE SLABS, WALKS, AND THEIR BASE COURSES. GRADE FOR PAVED DRIVES AND PAVED PARKING AREAS AS INDICATED AND SPECIFIED HEREIN, AND PROVIDE FOR SURFACE DRAINAGE AS SHOWN, ALLOWING FOR THICKNESS OF SURFACING MATERIAL.
2. FINISH GRADING: AT COMPLETION OF JOB AND AFTER BACKFILLING BY OTHER CRAFTS HAS BEEN COMPLETED, REFILL AND COMPACT AREAS WHICH HAVE SETTLED OR ERODED TO BRING TO FINAL GRADES.
3. EXCAVATION: EXCAVATE FOR SLABS, PAVING AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL.
4. DISPOSAL OF WASTE MATERIAL AT A SITE APPROVED BY ENGINEER ONLY.
5. TYPE 3 CATCH BASIN (SEE ODOT RD 378) WITH FILTER.
6. E-APE17A-S340-U3Z (OUTDOOR POLE/ARM-MOUNTED AREA AND ROADWAY LUMINARIES). 3 locations. See Attachment.
7. Lighting shall meet the requirements of the City of Newport's Municipal Code (NMC) 14.14.090 (E)
8. ADA and Bicycle parking are located at the County offices across the street.
9. ENTIRE AREA WITHIN EXTRUDED CURVE TO BE PAVED (3" LEVEL 2, 1/2 INCH DENSE MHMAC.
10. MATCH EDGE OF PAVEMENT OF YAQUINA BAY ROAD FOR SMOOTH TRANSITION TO PARKING AREA.

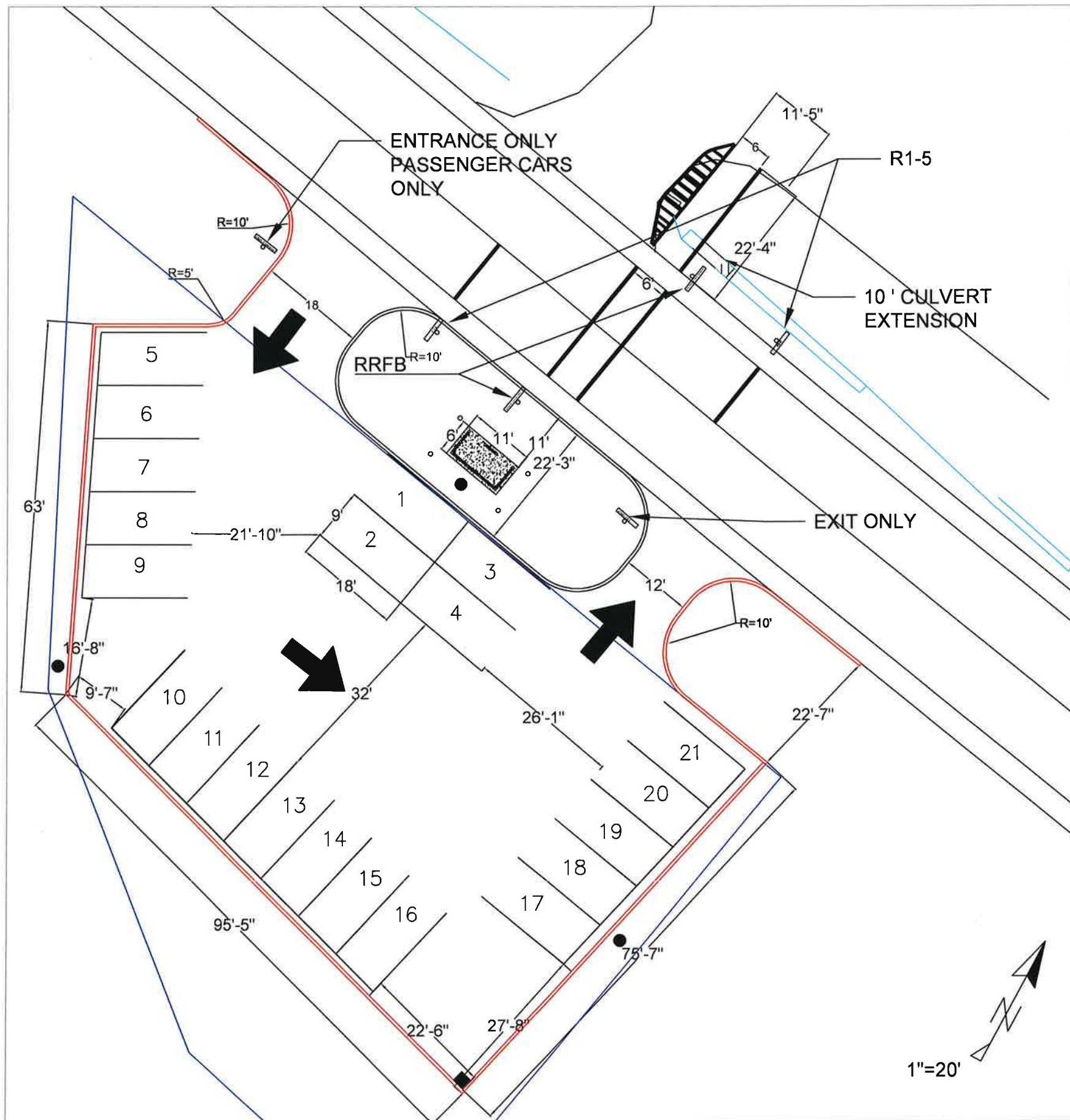


No.	Revision/Issue	Date



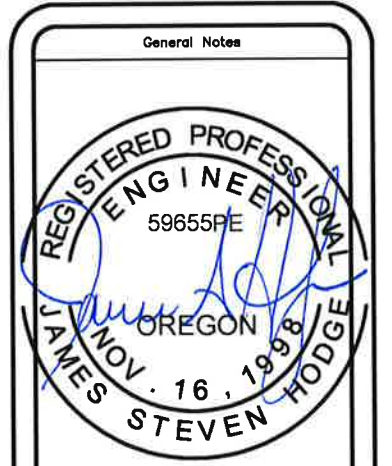
Project Name and Address
 YAQUINA BAY ROAD PARKING LOT
 PUBLIC WORKS
 880 NE 7TH STREET
 NEWPORT, OR 97365

Project	LAYOUT	Sheet
Date	02/07/2019	S-2
Scale	1" = 20'	



GENERAL NOTES

1. GENERAL SHELTER SPECIFICATIONS:
 - 1.1. FABRICATED FROM LIGHTWEIGHT, CORROSION RESISTANT ALUMINUM
 - 1.2. DIMENSIONS: 5'0" WIDE X 10'0" EXTERIOR HEIGHT WITH 83" CEILING HEIGHT.
 - 1.3. PROVIDE STANDARD 7 3/4" SPACING AT BOTTOM
 - 1.4. ROOF DRAINS TO FULL PERIMETER GUTTER SYSTEM
 - 1.5. FIXED WINDOWS: SINGLE PANE 1/4" CLEAR TEMPERED SAFETY GLASS WITH CONCEALED GASKET SYSTEM
 - 1.6. SHELTER INSTALLATION REQUIRES CONCRETE PAD TO BE A MINIMUM OF 12" LARGER THAN SHELTER IN BOTH LENGTH AND WIDTH.
 - 1.7. PAD MUST BE LEVEL WITHIN 1/2" OVER LENGTH AND WIDTH OF STRUCTURE
2. PLACE EXTRUDED CURB AROUND PERIPHERY OF LOT
3. STRIPE BORDER BETWEEN ROAD SHOULDER AND PARKING SPACE NUMBERS 1 AND 3.
4. YIELD HERE TO PEDESTRIAN SIGN R1-5
5. RECTANGULAR RAPID FLASHING BEACON: SC315-G (CARAMANAH TRAFFIC) OR EQUIVALENT. SEE ATTACHMENT.
6. STREET LAMP: 20 FOOT STEEL POLE AND E-APE17A-S340-U3Z.IES OR SIMILAR. SEE ATTACHMENT.
7. CONTRACTOR SHALL COORDINATE WITH CENTRAL LINCOLN PUD FOR ELECTRICAL METER AND PANEL
8. TOTAL LOT AREA = 10,420 SF
9. ALL PARKING STALLS ARE 9'X18' = 162 SF
10. CONTRACT SHALL PROVIDE CROSS WALK STRIPING INCLUDING STOP BARS, ARROWS, AND HATCHED OUT AREA. USE THERMOPLASTIC STRIPING (FLINT TRADING, INC OR SIMILAR)
11. ADA AND BICYCLE PARKING ARE LOCATED AT COUNTY FACILITIES ON NORTH SIDE OF YAQUINA BAY ROAD.



Expires: 06/30/2019

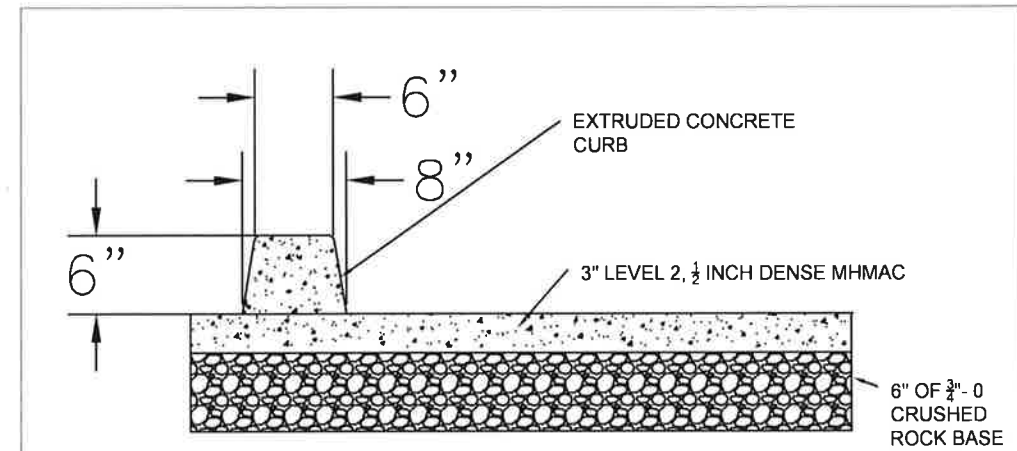
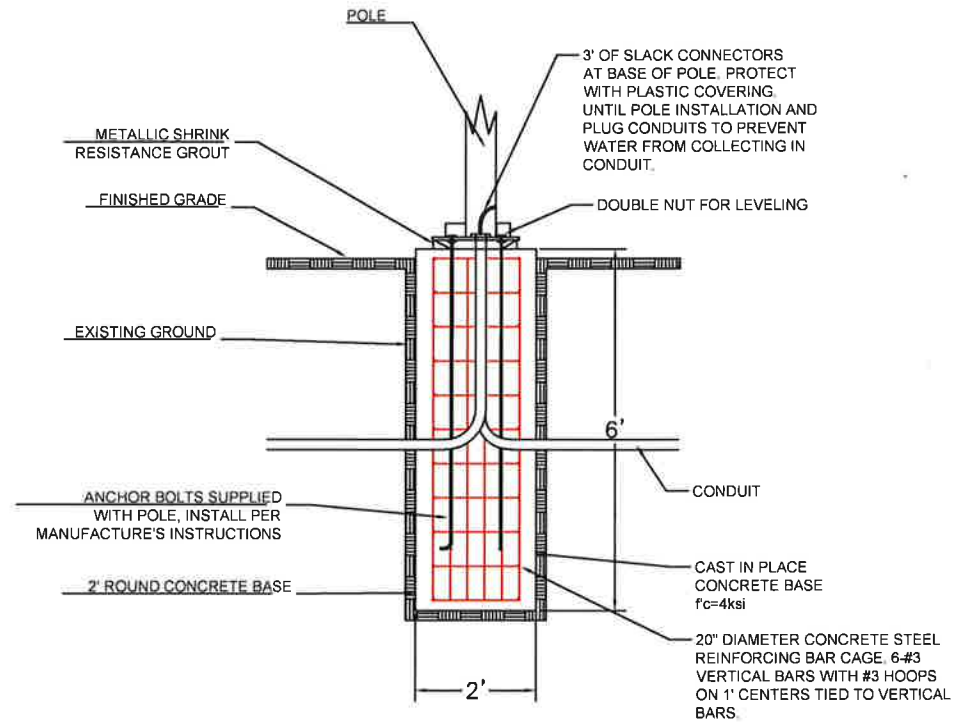
No.	Revision/Issue	Date



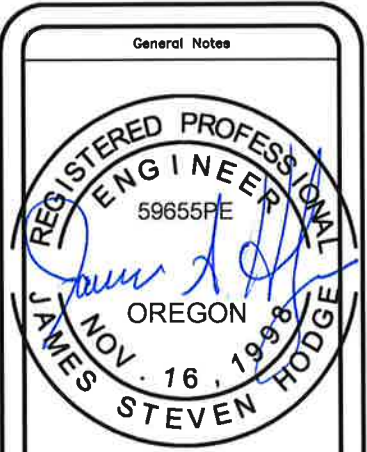
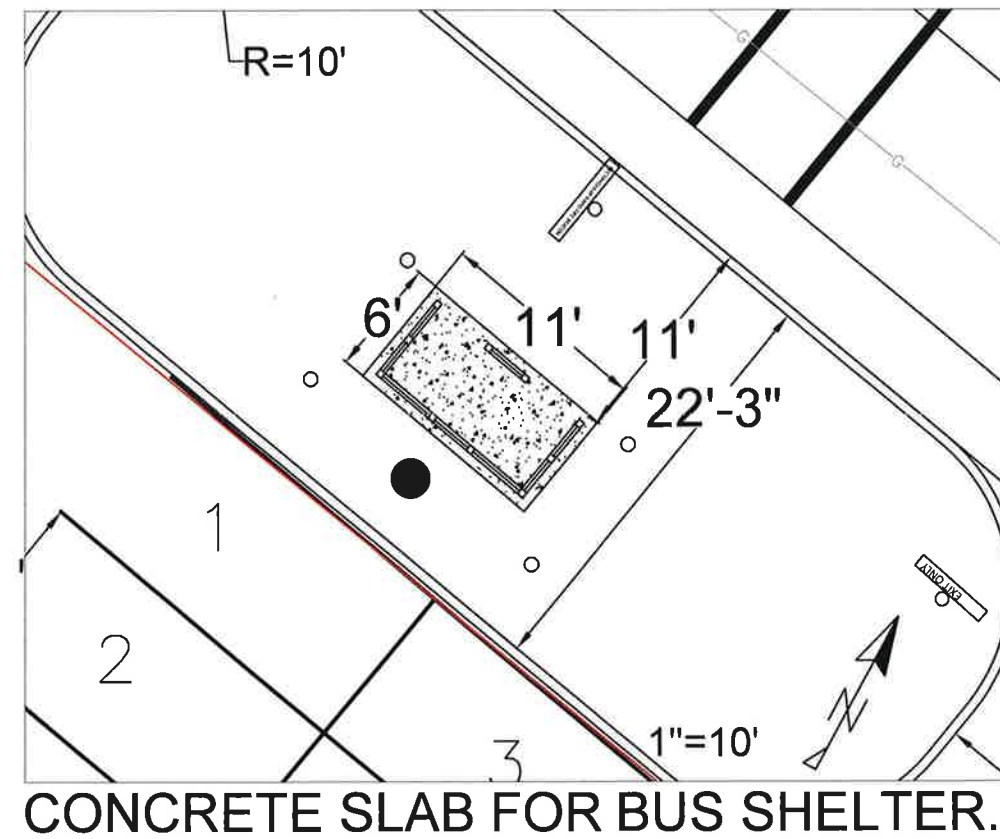
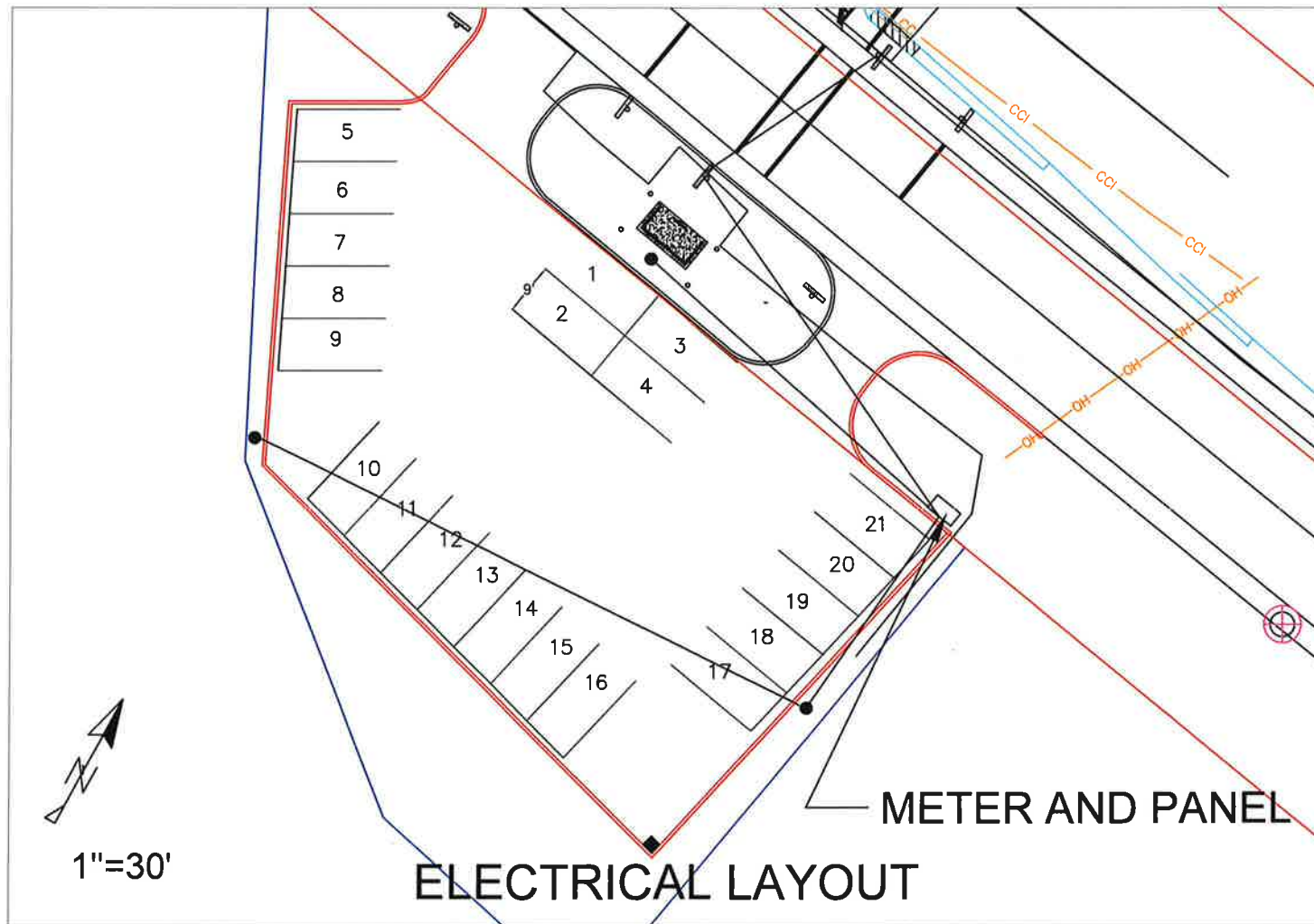
Project Name and Address
 YAQUINA BAY ROAD PARKING LOT
 PUBLIC WORKS
 880 NE 7TH STREET
 NEWPORT, OR 97365

Project BUS SHELTER	Sheet S-3
Date 02/07/2019	
Scale 1" = 20'	

AREA LUMINAIRE POLE BASE



EXTRUDED CURB AND ASPHALT OVER BASE ROCK.



Expires: 06/30/2019

No.	Revision/Issue	Date



Project Name and Address
YAQUINA BAY ROAD PARKING LOT
PUBLIC WORKS
880 NE 7TH STREET
NEWPORT, OR 97365

Project	DETAILS	Sheet
Date	02/07/2019	S-4
Scale	AS SHOWN	

General Notes



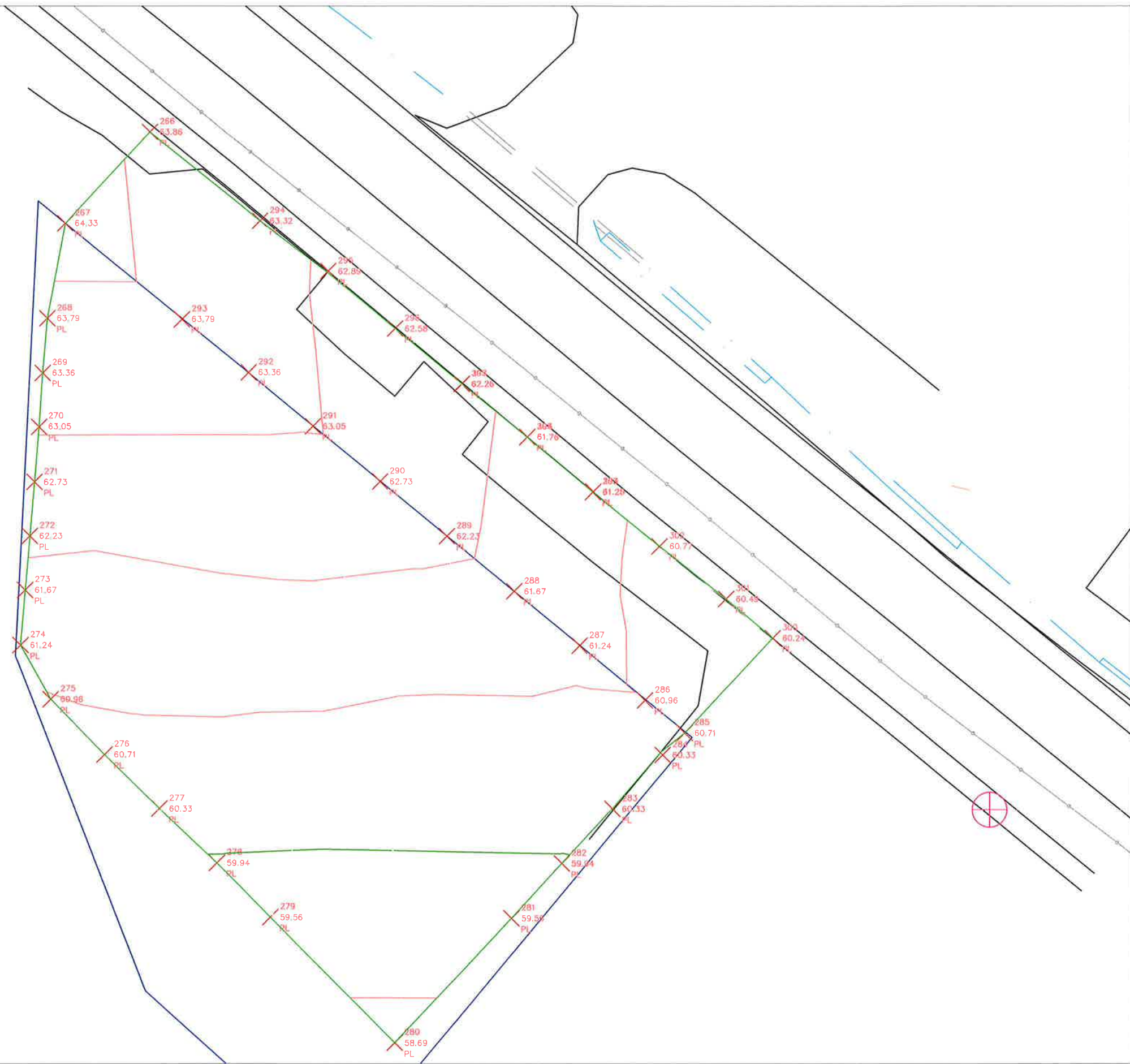
Expires: 06/30/2019

No.	Revision/Issue	Date

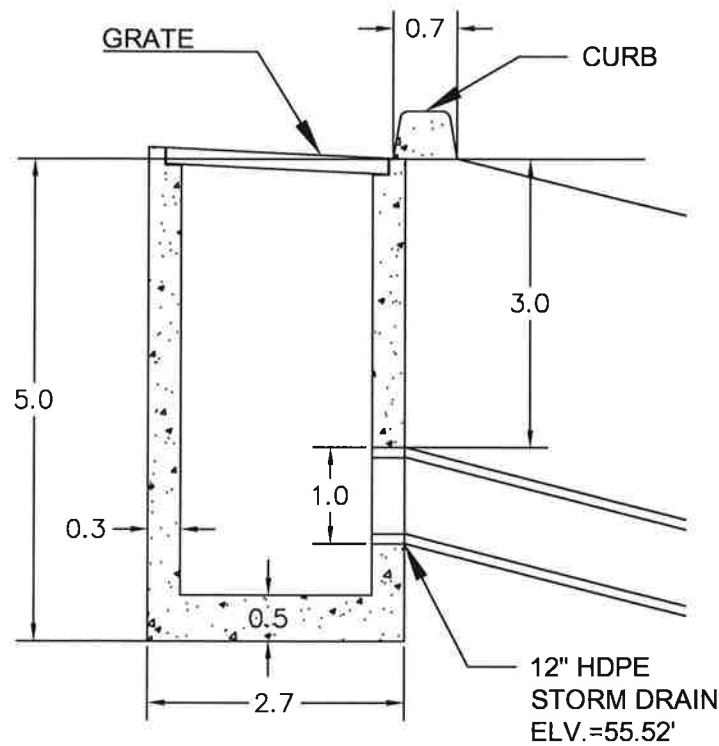


Project Name and Address
YAQUINA BAY ROAD PARKING LOT
LINCOLN COUNTY PUBLIC WORKS
880 NE 7TH STREET
NEWPORT, OR 97365

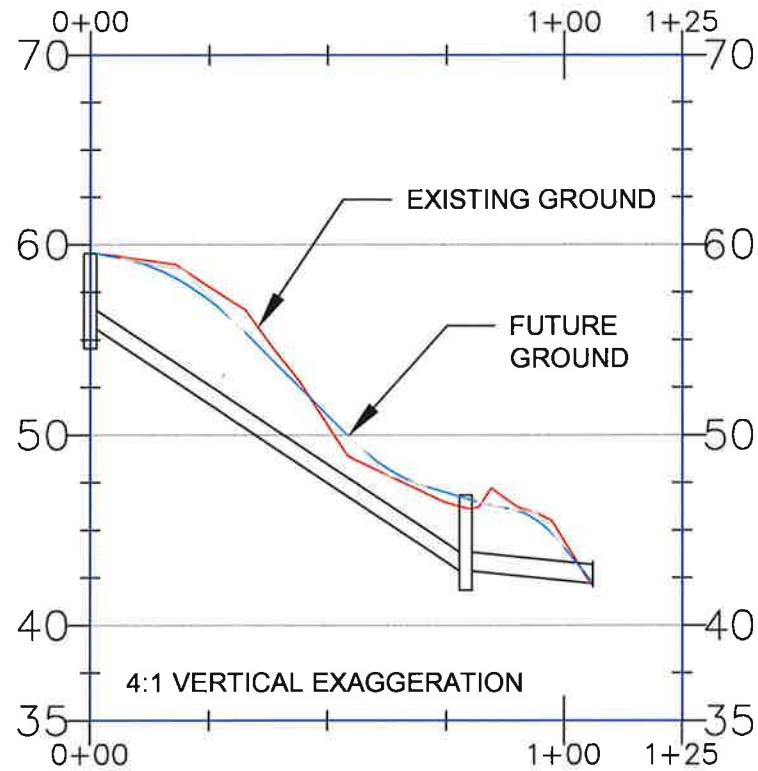
Project	GRADING	Sheet	S5
Date	3/14/2019		
Scale	1" = 20'		



1"=20'



INLET
(SEE RD378)



STORM DRAIN PROFILE.

DRIVER & GRIMSTAD
1204 SE BAY

STORM DRAIN
PLAN LAYOUT
LENGTH = 70'

MANHOLE

LENGTH=30'

1"=40'

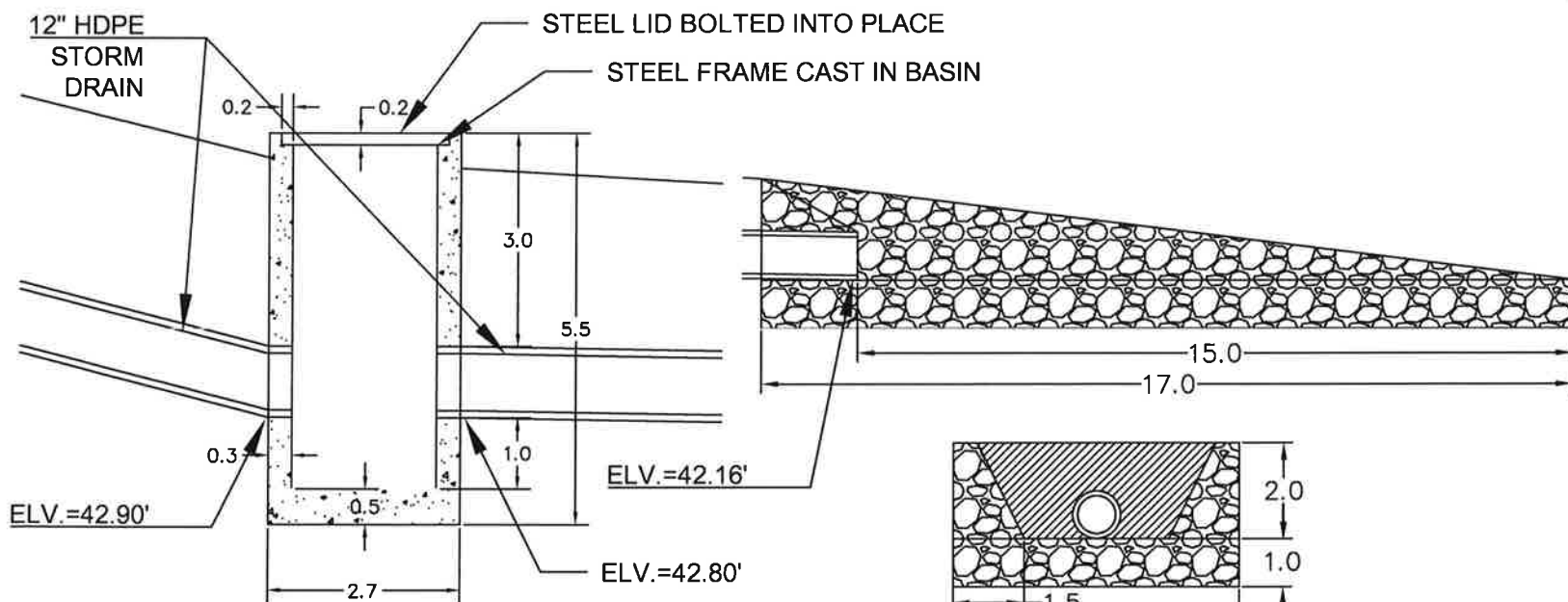
PORT OF NEWPORT
11-11-09-CD-00300-00

LINCOLN CO
1212 SE BAY

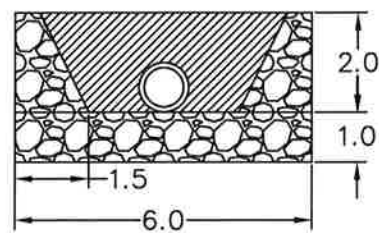
TROYER
1244 SE BAY

BEGIN OUTLET
STRUCTURE

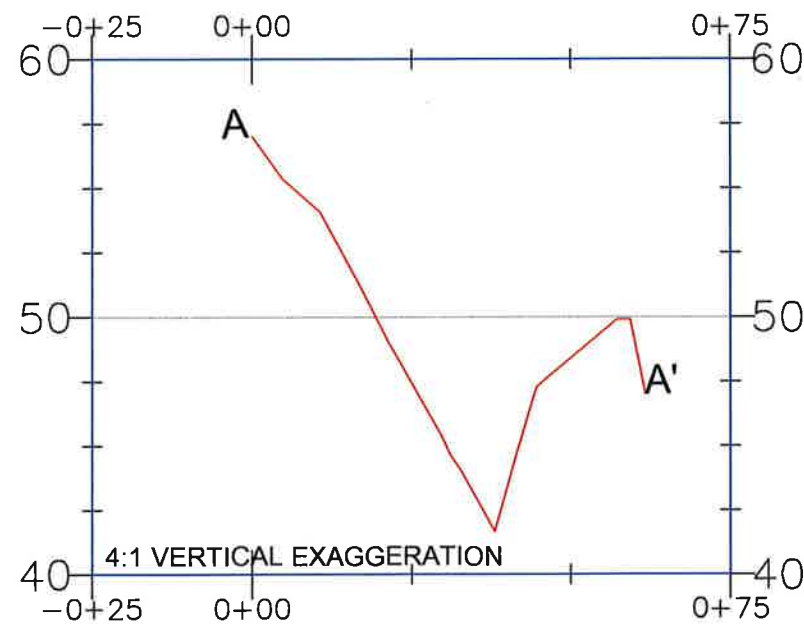
PROPERTY
BOUNDARY



MANHOLE
(SEE RD378)



OUTLET
(SEE RD317)



SWALE PROFILE

General Notes

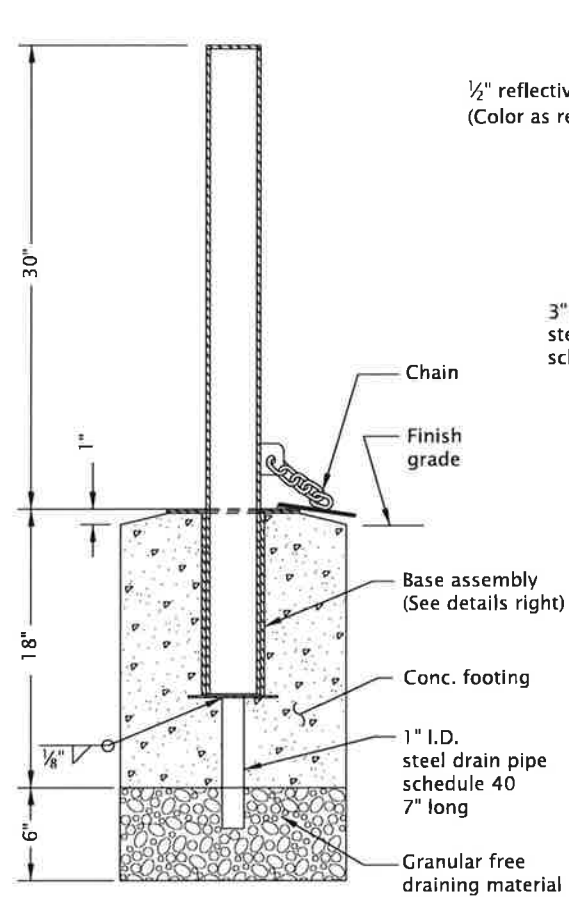
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No.	Revision/Issue	Date

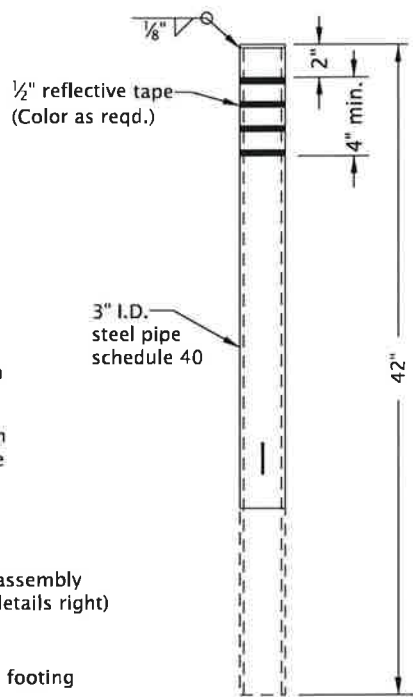
Project Name and Address
YAQUINA BAY ROAD PARKING LOT
LINCOLN COUNTY PUBLIC WORKS
880 NE 7TH STREET
NEWPORT, OR 97365

Project DRAINAGE	Sheet S6
Date 4/24/2019	
Scale 1" = 40'	

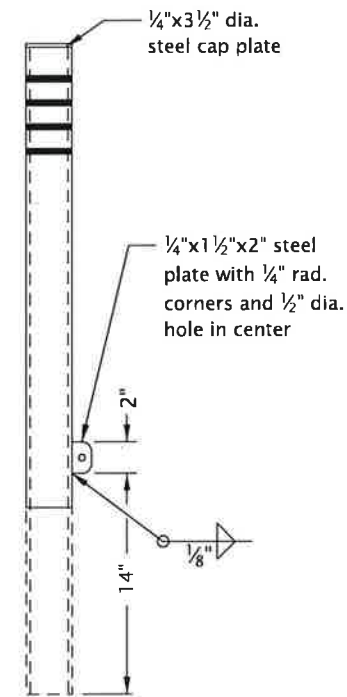
rd130.dgn 25-JUL-2017



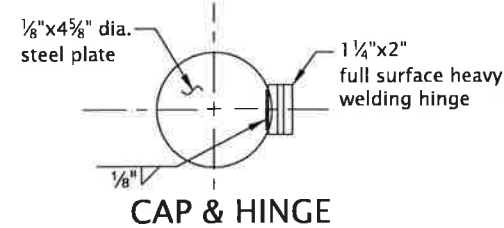
SECTION A-A



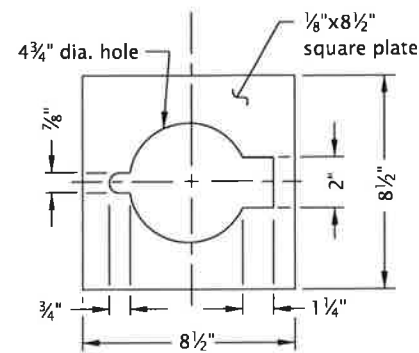
FRONT VIEW



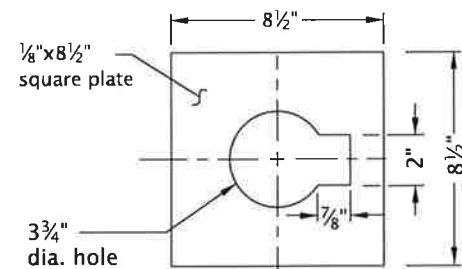
SIDE VIEW



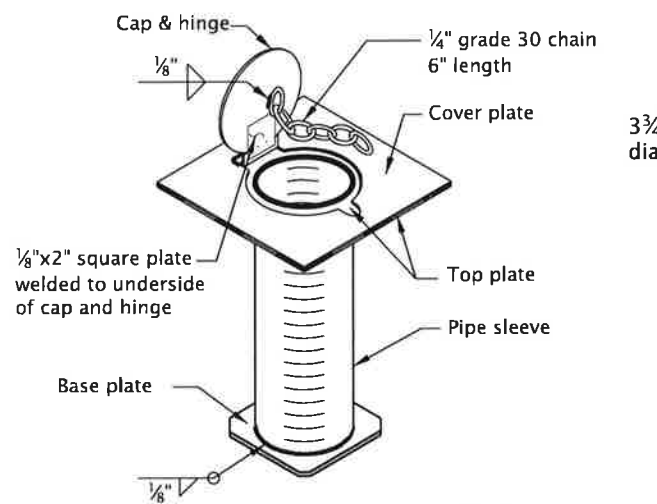
CAP & HINGE



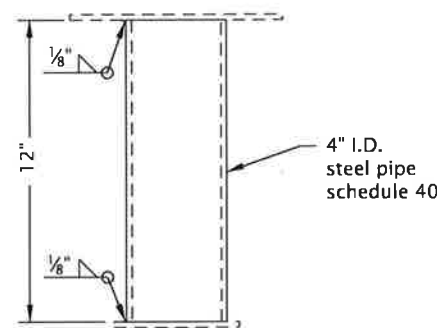
COVER PLATE



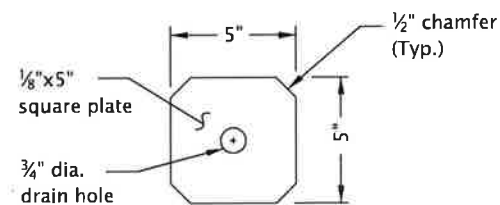
TOP PLATE



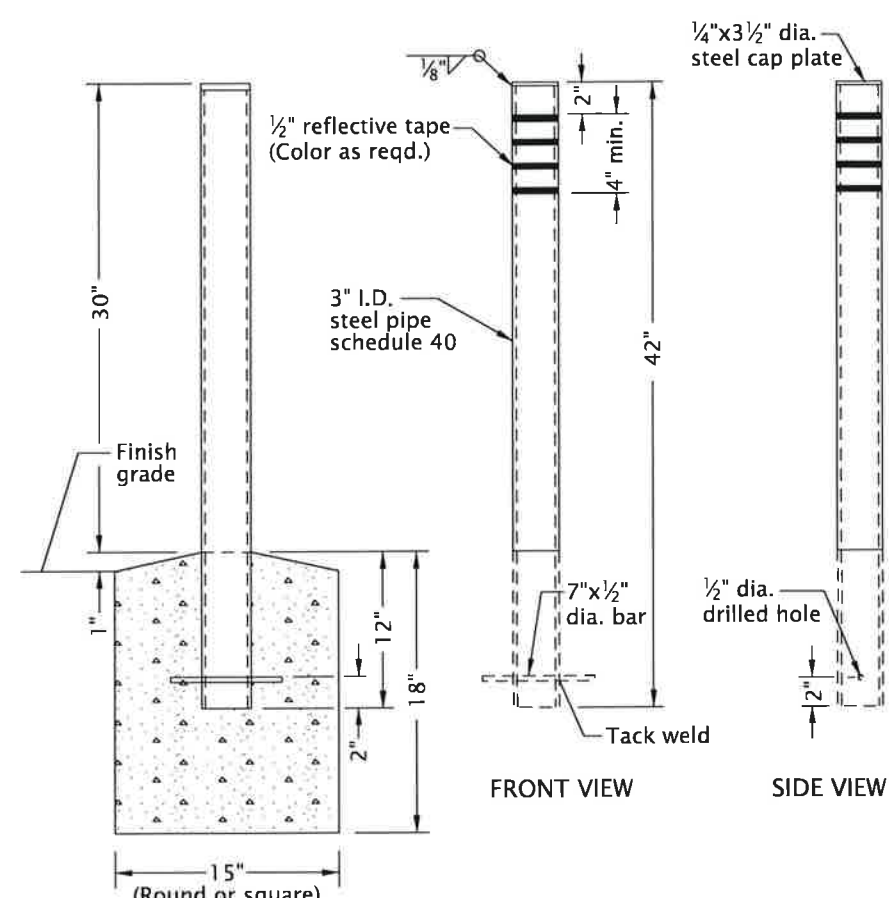
REMOVABLE



PIPE SLEEVE



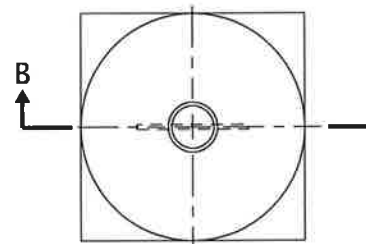
BASE PLATE
BASE ASSEMBLY



SECTION B-B

FRONT VIEW

SIDE VIEW



PLAN

NON-REMOVABLE



GENERAL NOTES FOR ALL DETAILS:

1. Grind all edges smooth.
2. Prime and paint bollard safety yellow after fabrication.
3. Hot-dip galvanize base assembly after fabrication.
4. All concrete shall be commercial grade concrete.
5. Orient lock assembly parallel with pedestrian traffic.
6. Provide lock, if required.
7. See project plans for details not shown.

RD130

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

OREGON STANDARD DRAWINGS

BOLLARDS

2018

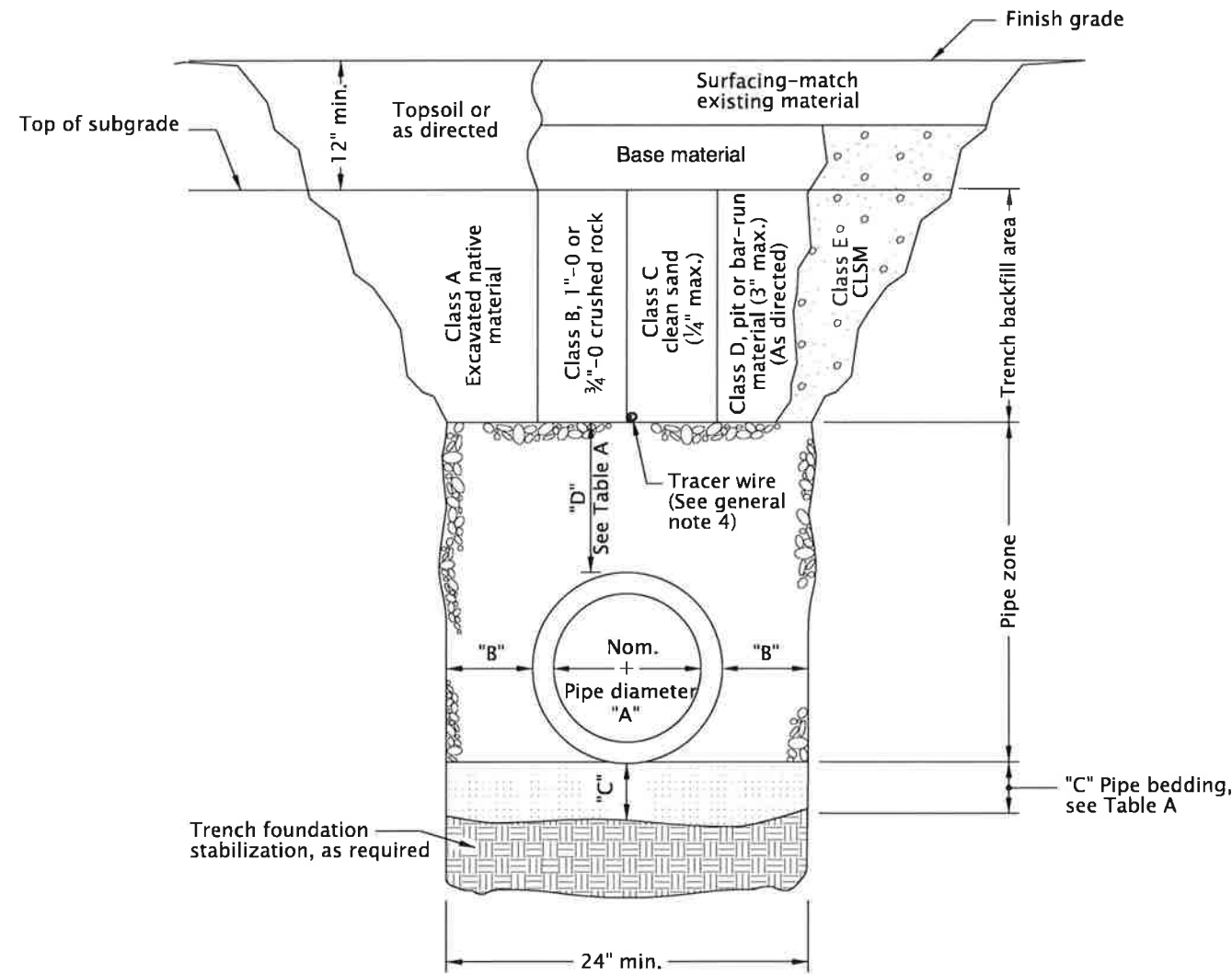
DATE	REVISION DESCRIPTION

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.

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 (1/2) 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).

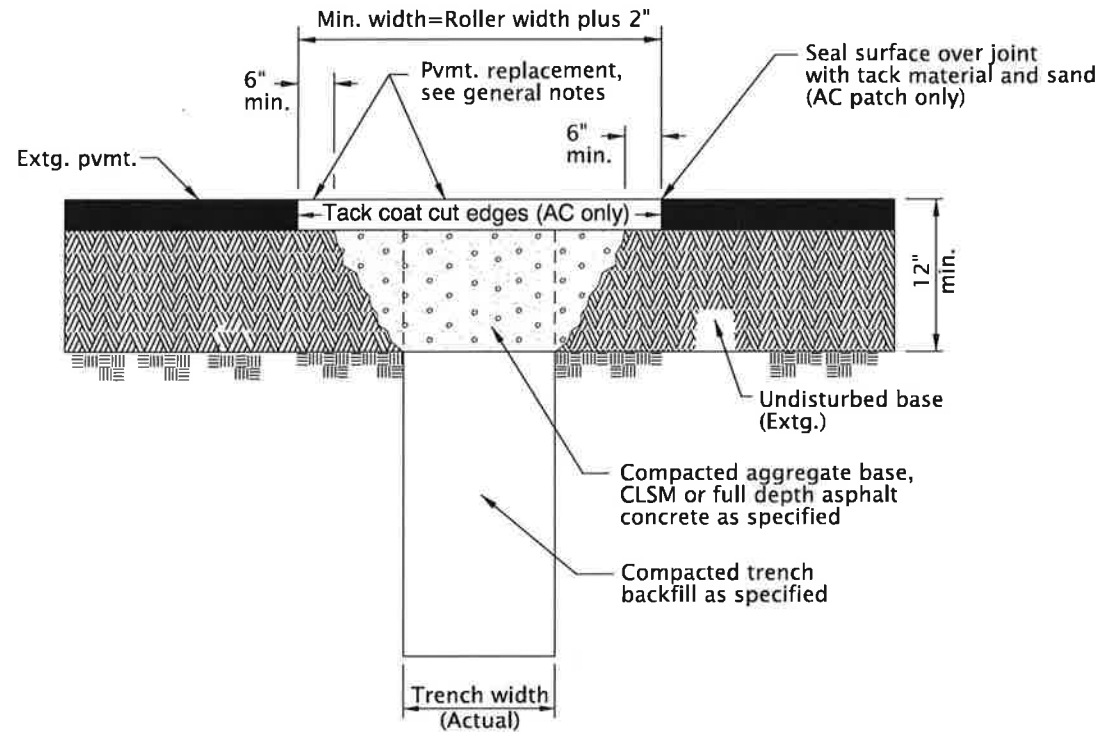
CALC. BOOK NO. N/A BASELINE REPORT DATE 14-JUL-2014

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.

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

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

2018	
DATE	REVISION DESCRIPTION



- 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

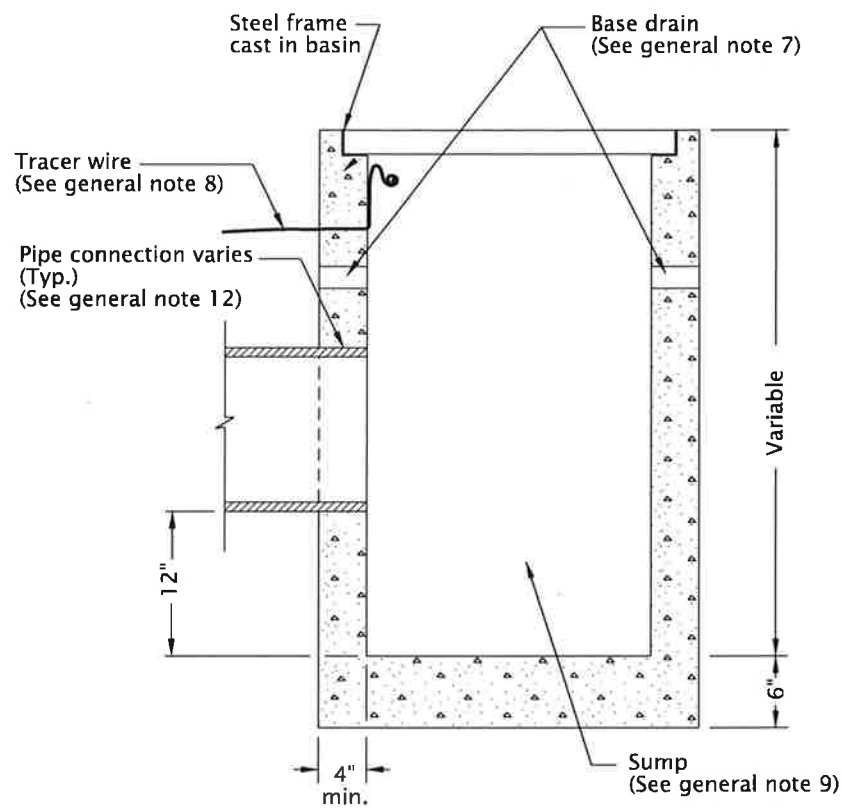
STREET CUT

2018

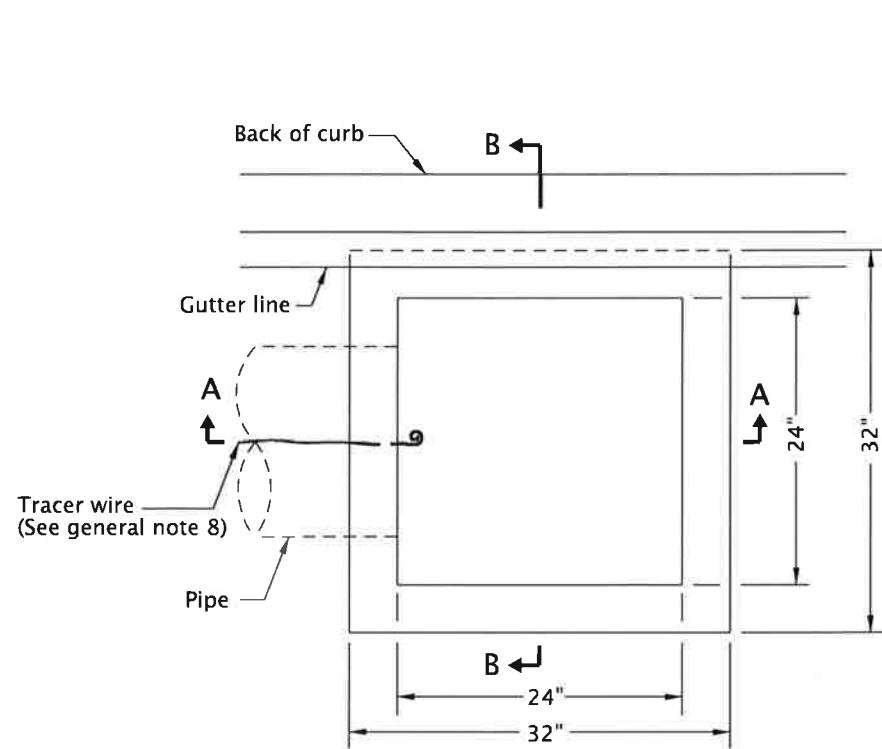
DATE	REVISION	DESCRIPTION

rd378.dgn 25-JUL-2017

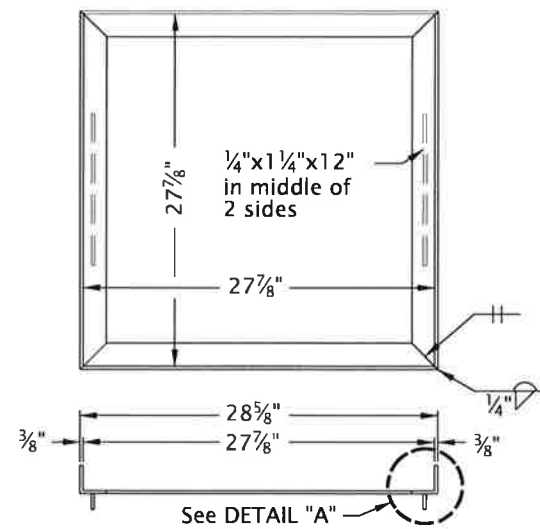
RD378



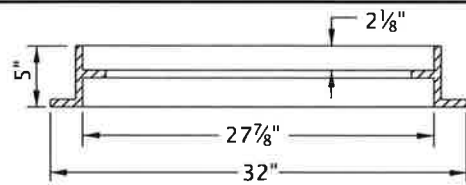
SECTION A-A



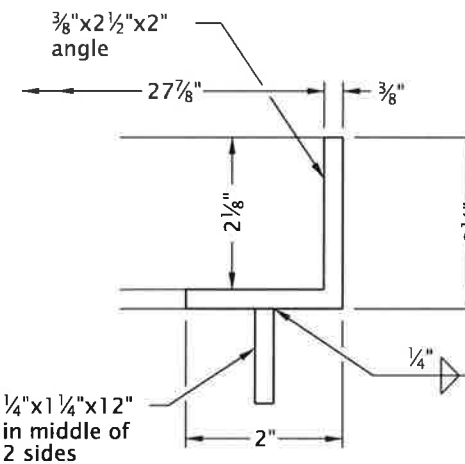
PLAN



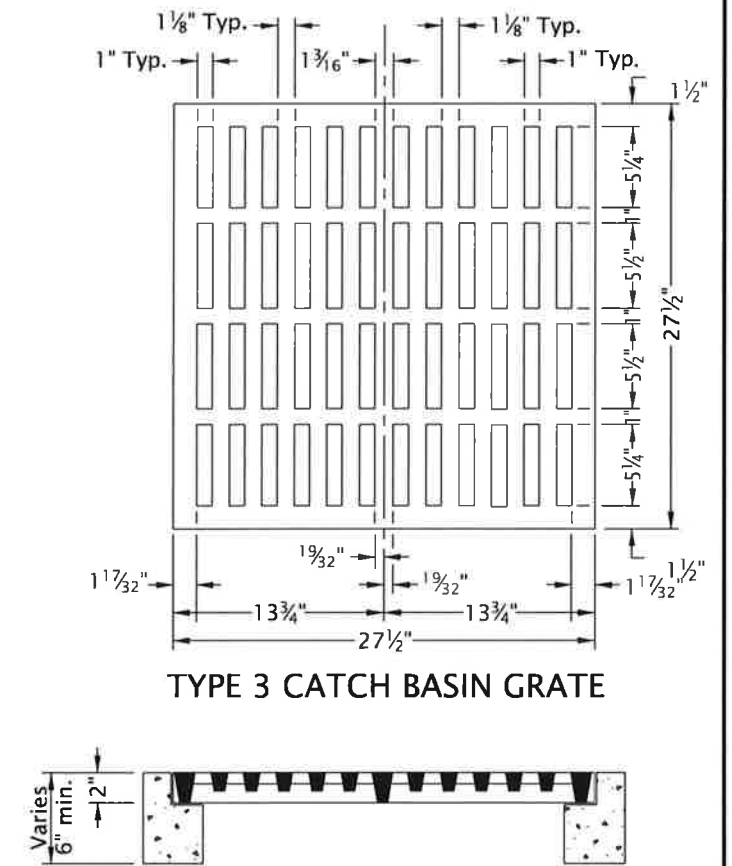
TYPE 3 FRAME - STEEL
(Hot-dip galvanize after fabrication)



OPTIONAL CAST IRON FRAME
FOR A MORTAR-ON TYPE 3 CATCH BASIN



DETAIL "A"



TYPE 3 CATCH BASIN GRATE

PRECAST RISER

GENERAL NOTES FOR ALL DETAILS:

1. Catch basin & grate shall meet H20 loading.
2. All concrete shall be commercial grade concrete.
3. Precast walls shall be a minimum of 4" thick.
4. For use by local agencies on low volume residential facilities as directed.
5. Depress gutter flowline and transition gutter as shown in Std. Dwg. RD366 perspective view.
6. Knockouts allowed for precast option.
7. If directed, install 3" dia. base drain with field installed mesh screen for subgrade drainage.
8. See Std. Dwg. RD336 for tracer wire details, or approved alternate.
9. Provide sump only where shown on plans, and allowed by jurisdiction. For sump details, see Std. Dwg. RD364.
10. Max. pipe diameter varies with pipe material.
11. All precast inlets shall conform to requirements of ASTM C913.
12. See Std. Dwg. RD339 for pipe to structure connections.
13. See project plans for details not shown.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 21-JUL-2015

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

OREGON STANDARD DRAWINGS

TYPE "3" CATCH BASIN,
FRAME AND GRATE

2018

DATE	REVISION	DESCRIPTION

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.

PIPE DIAMETER (Inches)	CORRUGATED HDPE	
	MINIMUM COVER (Feet)	MAXIMUM COVER (Feet)
12	2.0	29
15	2.0	30
18	2.0	27
24	2.0	24
30	2.0	21
36	2.0	23
42	2.0	22
48	2.0	22
60	2.5	21

GENERAL NOTES FOR ALL TABLES:

1. Maximum height of cover is greatest vertical distance from top of pipe to finish grade.
2. Minimum height of cover is least vertical distance from top of pipe to subgrade.
3. For ODOT, pipes with maximum cover greater than those shown in the Tables shall be approved by the Senior Standards Engineer.
4. For multiple pipe installations, see Std. Dwg. RD300.
5. Heavy solid line denotes boundary between minimum cover requirements.
6. Open ends of pipes normally require a site specific design, and may require special treatment (sloped ends, culvert embankment protection, paved end slopes, safety end sections, or other measures). See special details or Standard Drawings as called for on plans.

CALC. BOOK NO. <u>RD07-02</u>	BASELINE REPORT DATE <u>13-JUL-2011</u>
<p><i>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.</i></p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications
	OREGON STANDARD DRAWINGS
	FILL HEIGHT TABLE FOR CORRUGATED HDPE PIPE
	2018
DATE	REVISION DESCRIPTION

rd610.dgn 25-JUL-2017

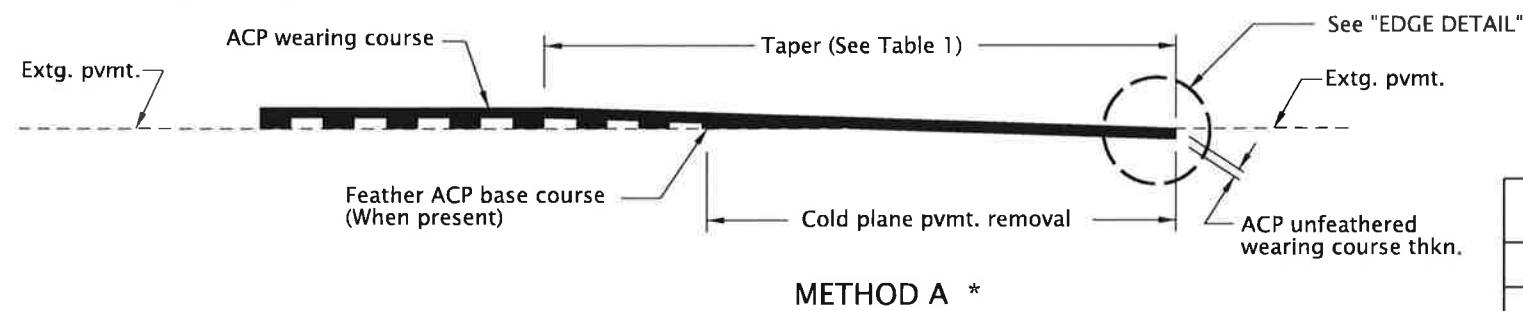
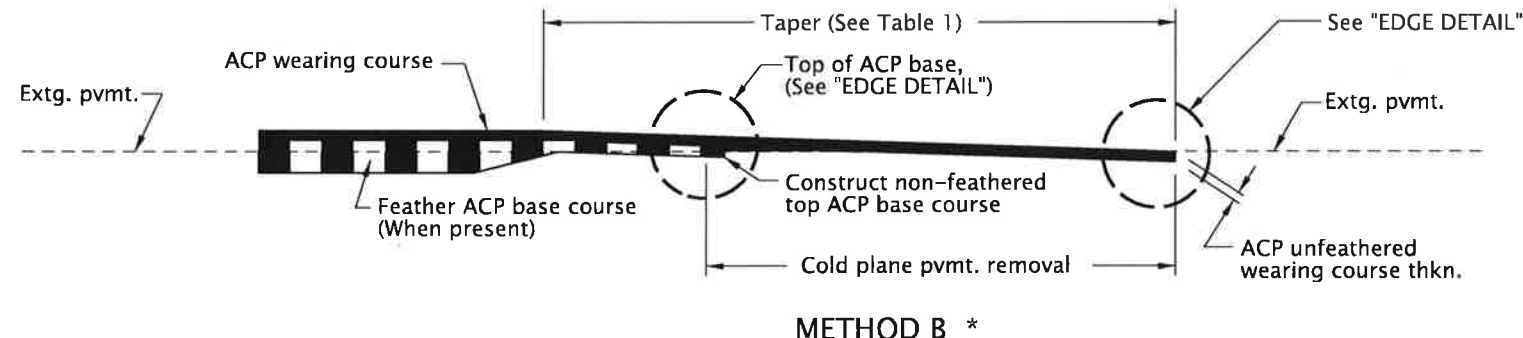
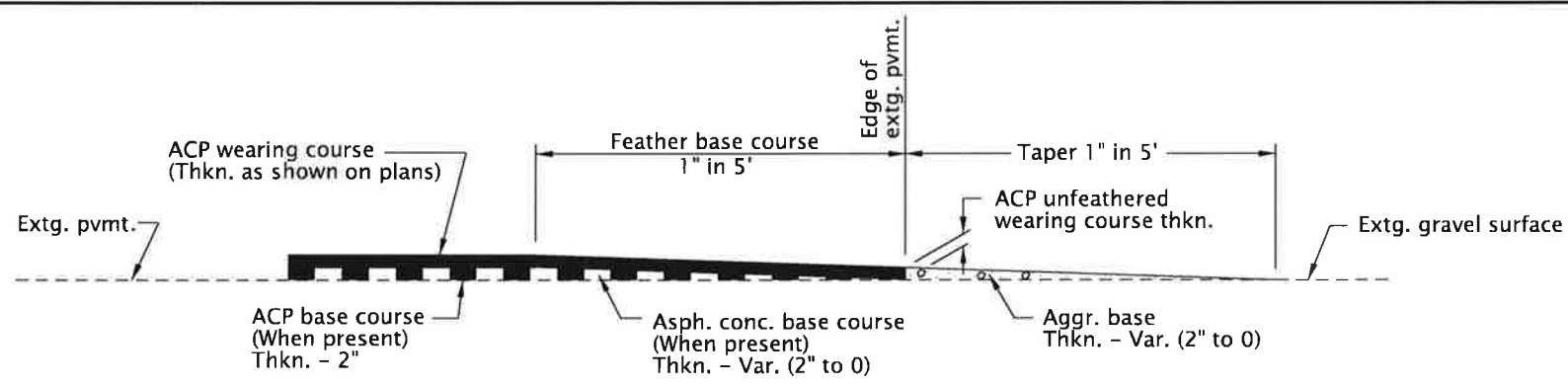
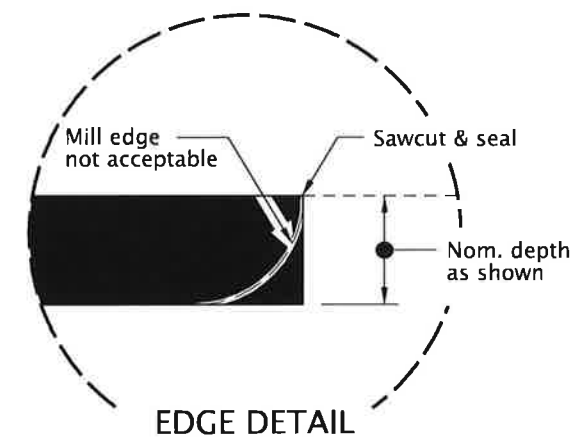


TABLE 1 TAPER LENGTHS	
Posted Speed	Taper Length
< 45 mph	1" per 50'
≥ 45 mph	1" per 100'

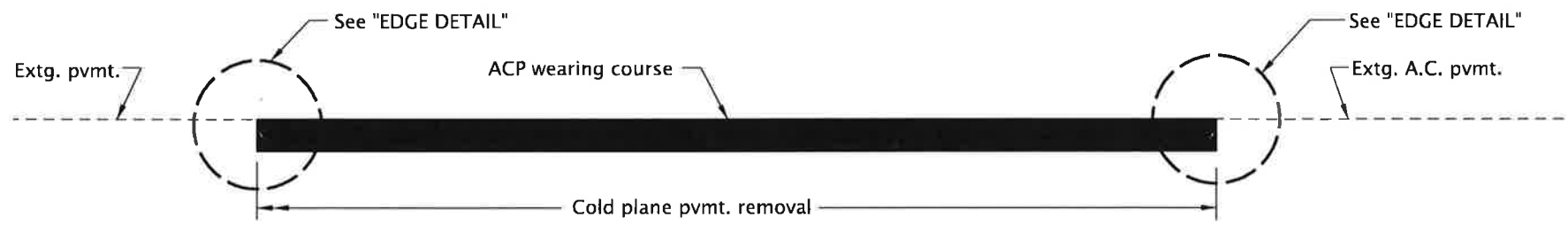
* See project plans for method.



**ACP PAVEMENT MATCH AT PROJECT ENDS
OR BRIDGE ENDS WHEN NOT OVERLAYING THE BRIDGE**



**METHOD OF FEATHERING ACP PAVEMENT
AT GRAVEL APPROACHES**



**METHOD OF MATCHING EXTG. ACP INLAY SURFACING
(Inlay to extg. asphalt conc. pvmt.)**

CALC. BOOK NO. N/A

BASELINE REPORT DATE 25-JUL-2017

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.

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

OREGON STANDARD DRAWINGS

2018	
DATE	REVISION DESCRIPTION

RD610

rd1055.dgn 06-01-2017

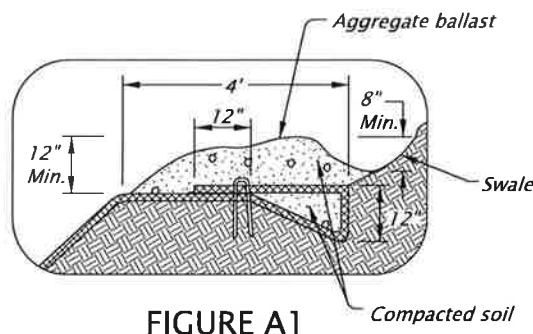


FIGURE A1

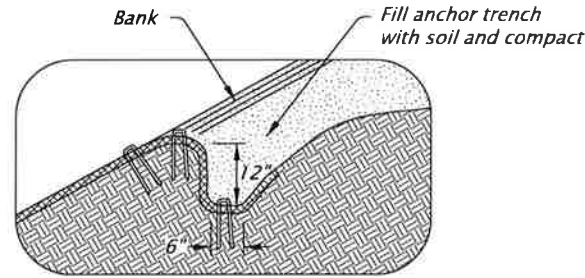


FIGURE A2

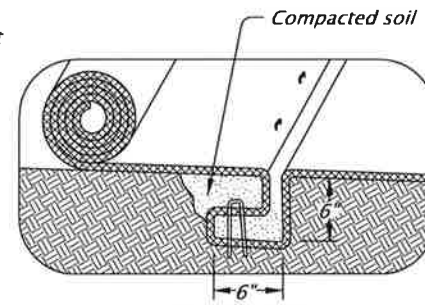


FIGURE A3

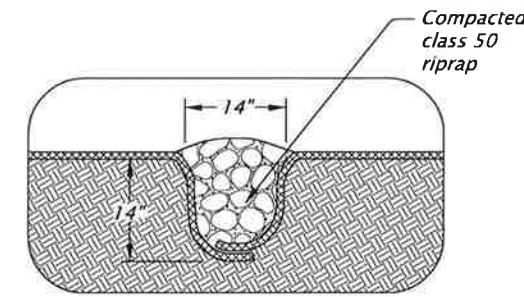


FIGURE A4

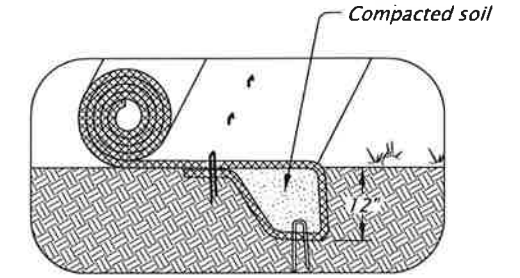


FIGURE A5

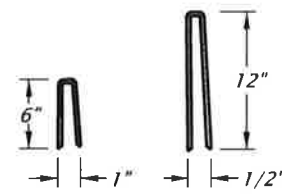
TOP OF BANK ANCHOR TRENCH, $H > 3'$ AND TERMINAL SLOPE

TOP OF BANK ANCHOR TRENCH, $H < 3'$

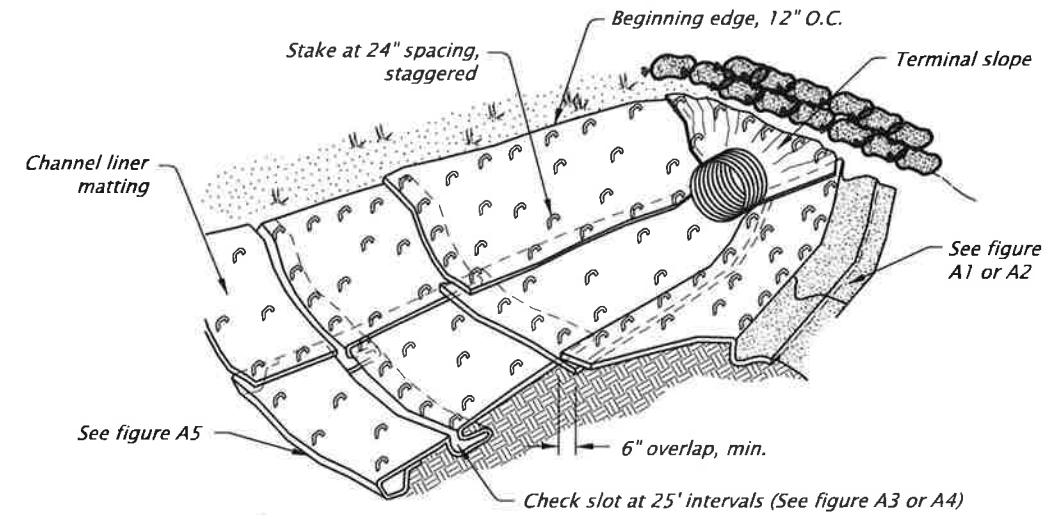
CHANNEL CHECK SLOT

CHANNEL CHECK SLOT WITH ROCK BACKFILL

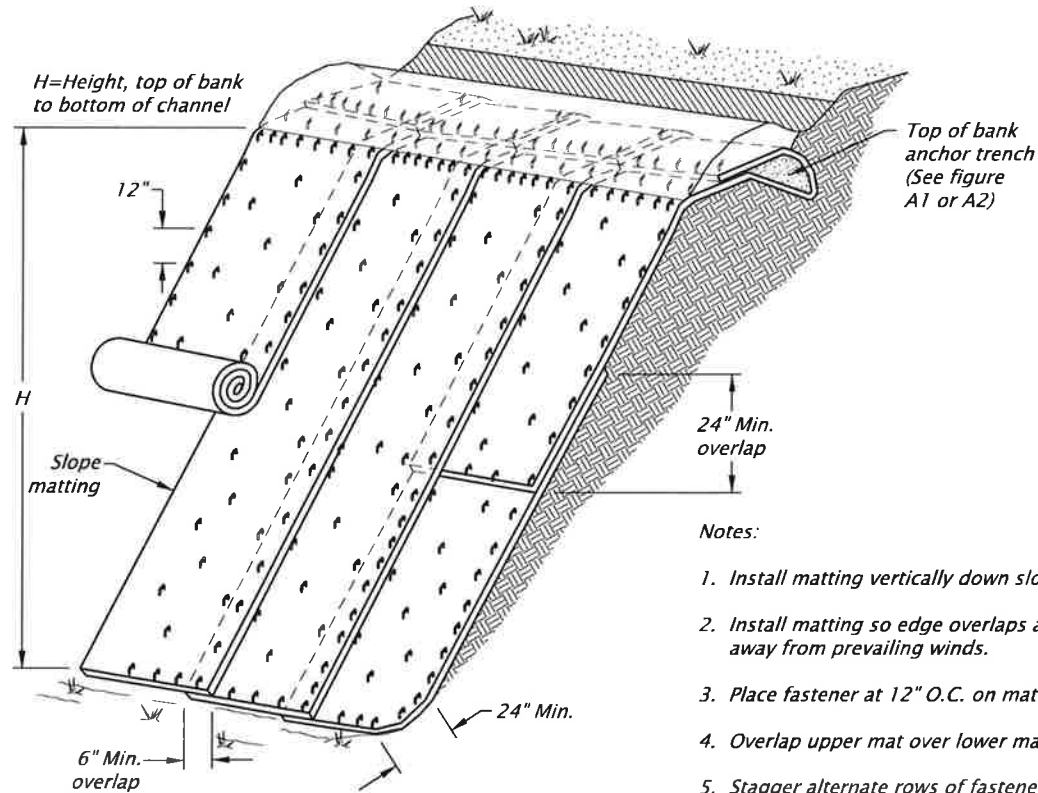
INITIAL CHANNEL ANCHOR TRENCH



STAPLES



CHANNEL ISOMETRIC VIEW



SLOPE ISOMETRIC VIEW

Notes:

1. Install matting vertically down slope.
2. Install matting so edge overlaps are shingled away from prevailing winds.
3. Place fastener at 12" O.C. on matting edges
4. Overlap upper mat over lower mat, and fasten.
5. Stagger alternate rows of fasteners placed at 24" O.C.
6. Extend mat 24" beyond toe of slope; fold mat back under 4" and fasten.

Notes:

1. Install channel liner matting, in the direction of water flow. Anchor upstream end of mat with check slot for culvert outfalls, place mat under pipe 12" minimum upstream from pipe outlet.
2. Construct check slots across channel bottom at 25' spacing and at the end of each mat (Fig. A3 or A4).
3. Overlap side channel liner matting edges 6" over the center channel liner matting and fasten edges 12" O.C. Continue overlap and stapling pattern for each additional side channel liner mat.
4. Lap upstream matting end 12" over beginning edge of downstream matting. Fasten 12" O.C.
5. Anchor top edge of side channel matting in trench and fasten 12" O.C. (Fig. A2).
6. Fasten matting interior at 24" O.C. with staggered spacing.
7. Construct initial anchor trench at downstream end of matting and terminal slope anchor at upstream end.

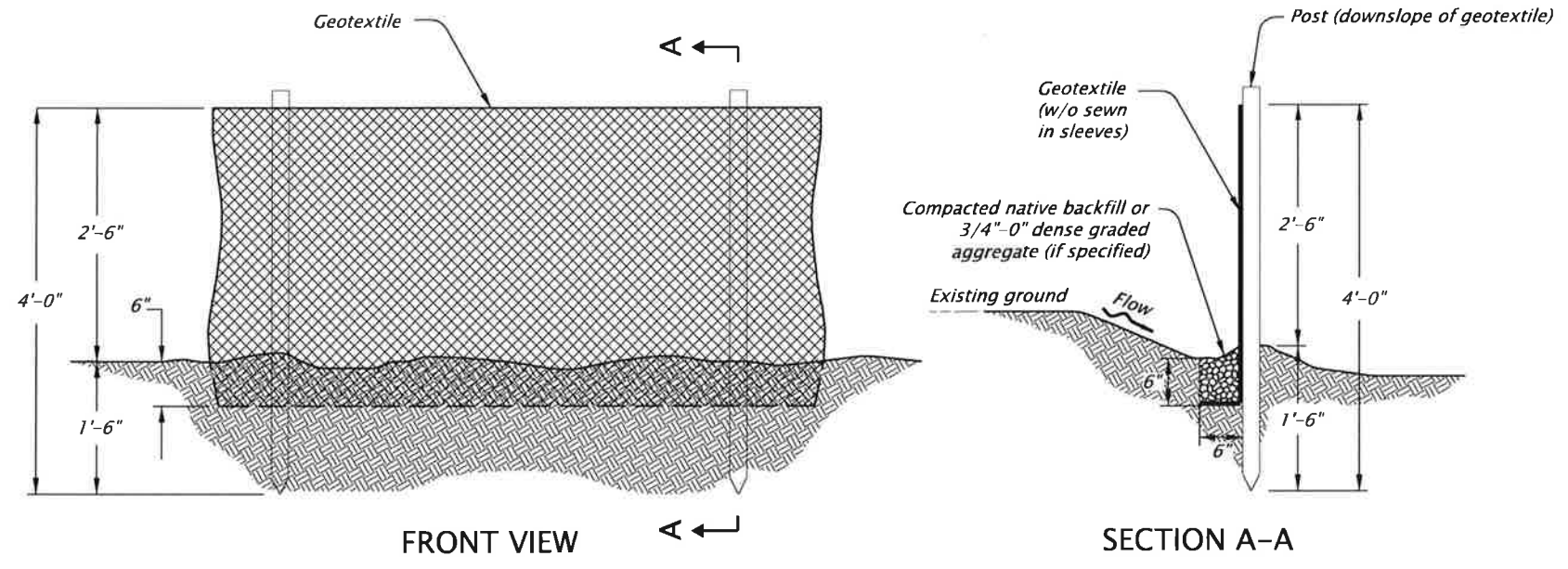
CALC. BOOK NO. 6403, 6404, 6405	BASLINE REPORT DATE July 2014
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
SLOPE AND CHANNEL MATTING	
2018	
DATE	REVISION DESCRIPTION

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.

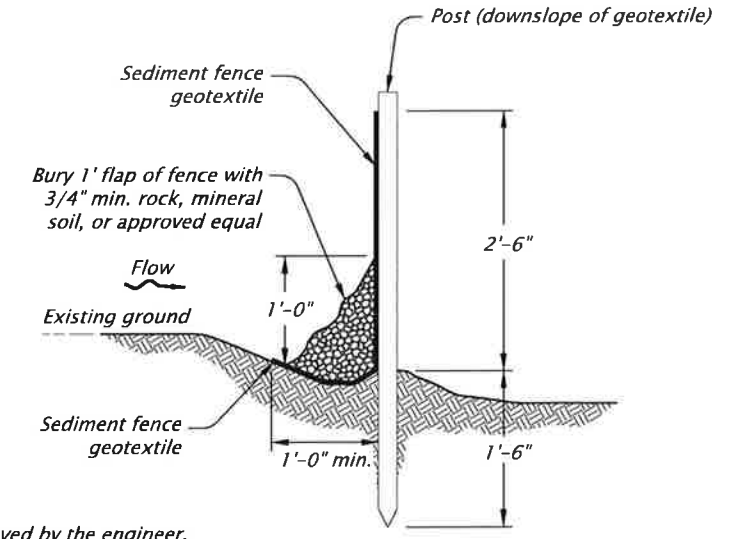
RD1055

rd1040.dgn 11-08-2017

RD1040

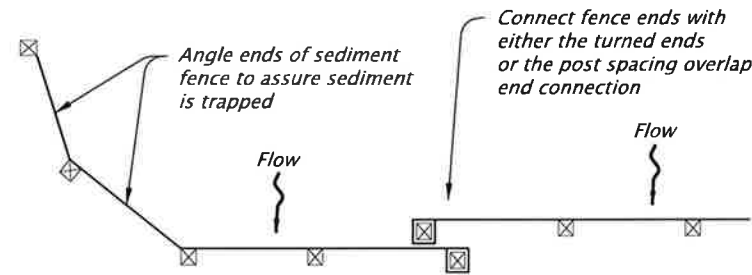


SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1

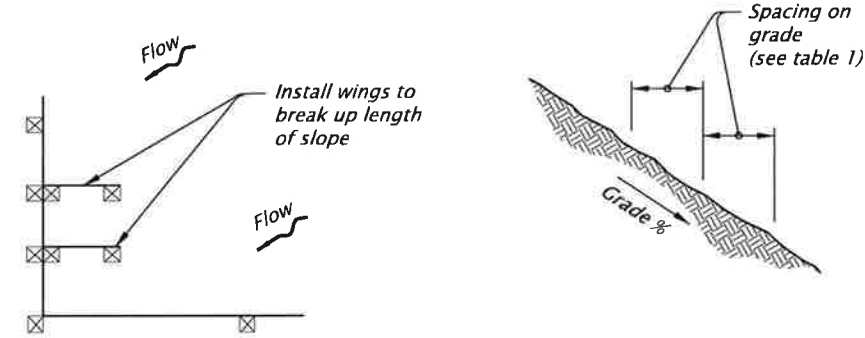


- NOTES:
1. Use must be approved by the engineer.
 2. Not approved for use with sediment fencing with sewn-in post sleeves.

ALTERNATE SEDIMENT FENCE W/O TRENCHING - TYPE 2



PLAN VIEW



TERMINATION AT CORNER OR PROPERTY LINE

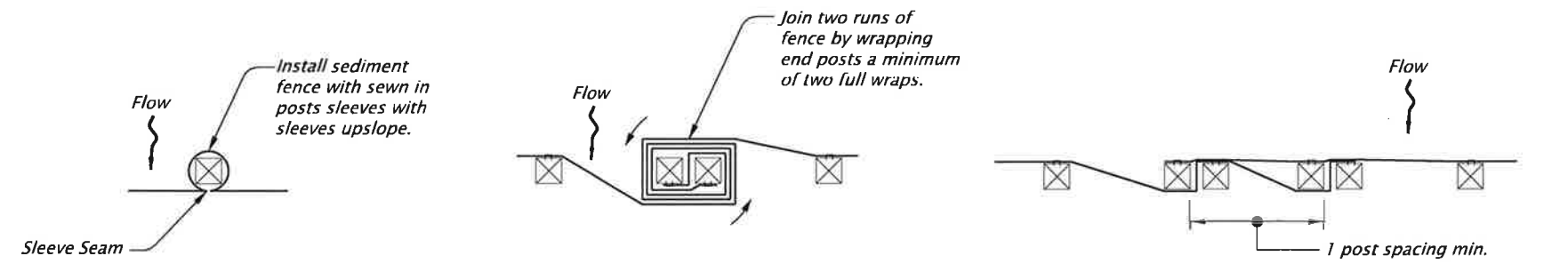
- NOTES:
1. Use 2" X 2" wood fence posts.
 2. Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.
 3. Compact filter fabric trench backfill and soil on uphill side of fence.
 4. Locate fence no closer than three feet to the toe of a slope.
 5. Wing spacing shall comply with table 1.

TABLE 1
FENCE SPACING
FOR GENERAL APPLICATION

INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS	
GRADE	MAXIMUM SPACING ON GRADE
Grade < 10%	300'
10% ≤ Grade < 15%	150'
15% ≤ Grade < 20%	100'
20% ≤ Grade < 30%	50'
30% ≤ Grade	25'

TABLE 2
POST SPACING

POST SPACING	
6'	Sediment Fence with Geotextile elongation less than 50%
4'	Sediment Fence with Geotextile elongation 50% or more



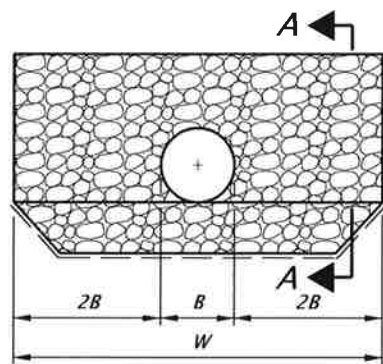
GEOTEXTILE WITH POST SLEEVES TURNED ENDS CONNECTION POST SPACING OVERLAP CONNECTION

GEOTEXTILE END CONNECTIONS

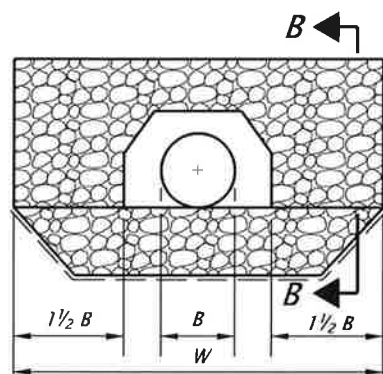
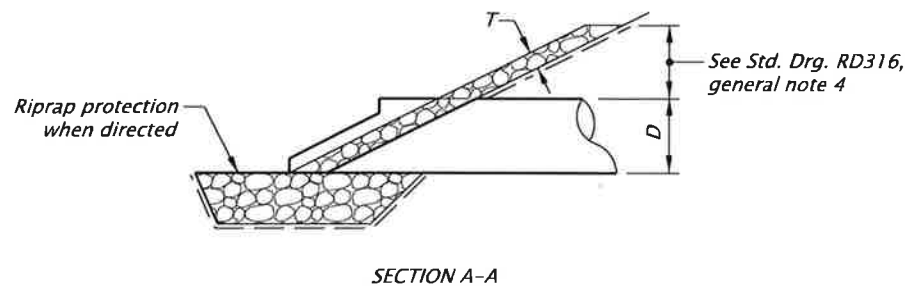
CALC. BOOK NO. 6403, 6404, 6405	BASLINE REPORT DATE November 2017
<p>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications
	OREGON STANDARD DRAWINGS
	SEDIMENT FENCE
	2018
DATE	REVISION DESCRIPTION

rd317.dgn 06-01-2017

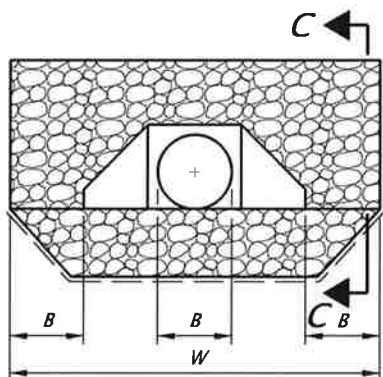
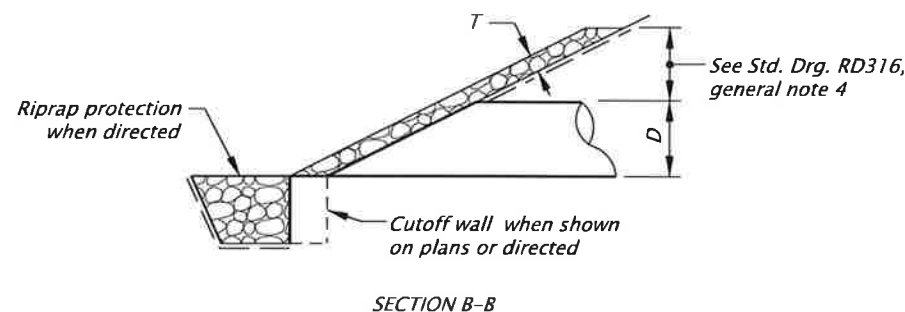
RD317



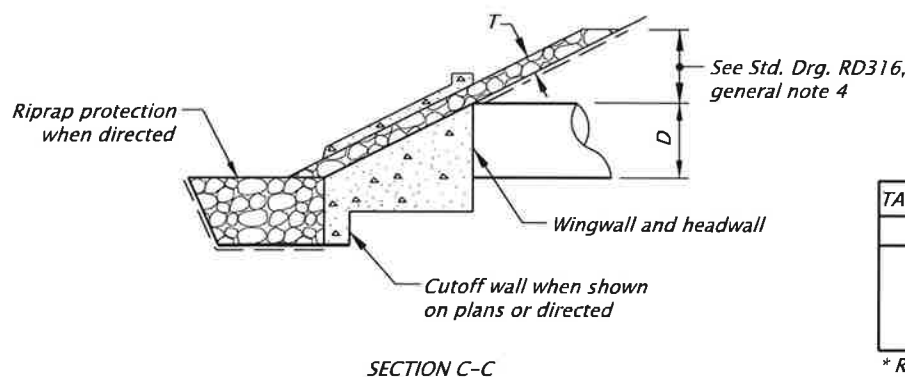
SLOPED OR PROJECTING END



SLOPED END WITH SLOPE PAVING

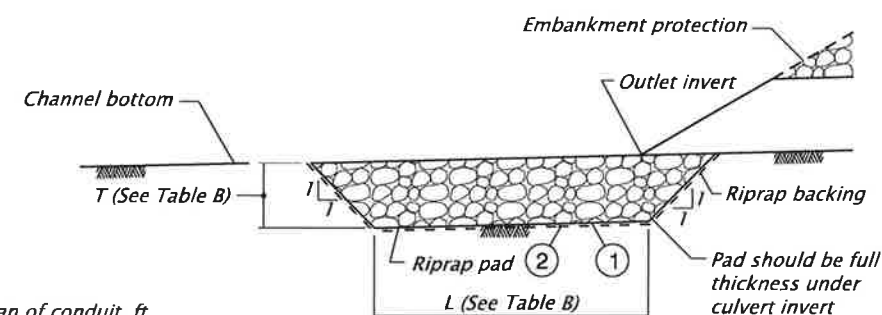


HEADWALL AND WINGWALLS

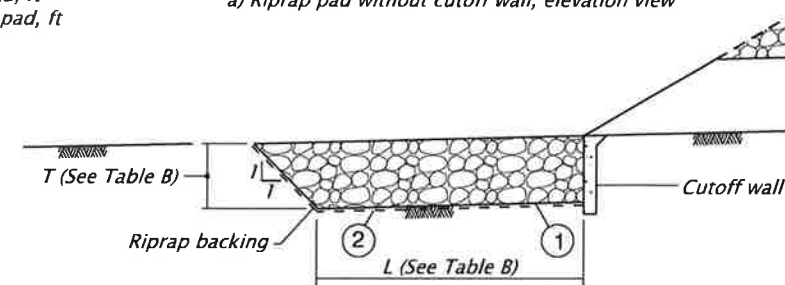


B = Diameter of circular barrel or span of arch pipe, box, or open-bottom arch.
 D = Diameter of circular barrel or rise of arch pipe, box, or open-bottom arch.
 T = Thickness of riprap blanket, see Table A.

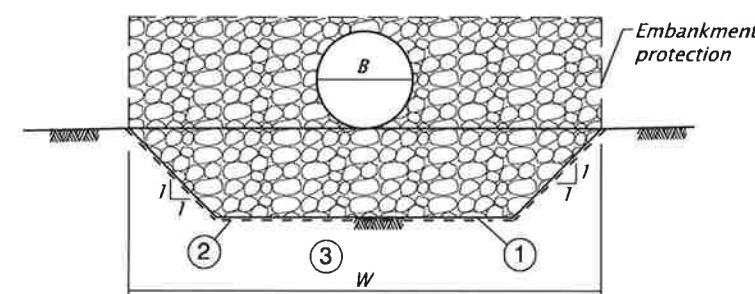
EMBANKMENT PROTECTION



a) Riprap pad without cutoff wall, elevation view



b) Riprap pad with cutoff wall, elevation view



c) Riprap pad, end view

B = Diameter or span of conduit, ft
 L = Length of bottom of riprap pad, ft
 T = Thickness of riprap pad, ft
 W = Width of top of riprap pad, ft

RIPRAP PAD NOTES:

- 1 Do not excavate non-erodible rock in order to place riprap.
- 2 Use riprap backing under Class 200 and Class 700 loose riprap.
- 3 Top width (W) of the riprap pad is the larger of 5B or the width of the embankment slope protection.

Riprap Class	T Distance
50	12 Inches
100	18 Inches
200	24 Inches *
700	36 Inches *

* Riprap backing required between riprap and embankment

Riprap Class	L* (ft)	T (ft)
50	4B or 1.3	2.3
100	4B or 1.6	3.3
200	4B or 2.0	4.3
700	4B or 3.3	5.6

* L is the greater of 4B or the listed dimension.

GENERAL NOTES FOR ALL DETAILS:

1. See Std. Drg's. RD300 & RD304 for installation details.
2. Open ends of pipes normally require a site specific design, and may require special treatment (sloped ends, culvert embankment protection, paved end slopes, safety end sections, or other measures). See special details or Standard Drawings as called for on plans.

CALC. BOOK NO. _____ N/A _____	BASILINE REPORT DATE _____ 24-Nov-2015 _____
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
CULVERT EMBANKMENT PROTECTION and RIPRAP PADS	
2018	
DATE _____	REVISION DESCRIPTION _____

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.