

- SHEET NOTES**
1. REFER TO SHEET CS-502 FOR CIVIL AND SURVEY LEGENDS AND GENERAL NOTES.
 2. TOP OF CURB (TC), TOP OF WALK (TW), AND TOP OF LOADING DOCK (DOCK) GRADES ARE 6" ABOVE TOP OF PAVEMENT (TP), UNLESS OTHERWISE NOTED ON PLAN.
 3. PROVIDE SMOOTH, UNIFORM GRADING TRANSITION BETWEEN EXISTING SURFACES AND NEW CONSTRUCTION AND IN ALL AREAS TO RECEIVE LANDSCAPING. NEW CONTOURS ARE SHOWN TO APPROXIMATE GRADES. MAXIMUM SLOPE IS 4V:1H EXCEPT IN NEW FLOW-THROUGH BASIN WHERE 3V:1H MAXIMUM SLOPES ARE ALLOWED.
 4. REFER TO GEOTECHNICAL REPORT AND SPECIFICATIONS FOR EARTHWORK REQUIREMENTS.
- CONSTRUCTION NOTES**
1. WHERE TC TRANSITIONS TO FLUSH WITH TP AND/OR TW, TRANSITION SHALL BE MADE OVER 1-FOOT HORIZONTAL DISTANCE.
 2. CUT EXISTING SURFACE TO ESTABLISH A PERMANENT CUT SLOPE OF 2:1 MAXIMUM PER REQUIREMENTS OF THE GEOTECHNICAL REPORT.
 3. REFER TO STRUCTURAL SHEET SF-041 FOR CMU WALL ELEVATIONS.
 4. MATCH EX GRADES AT SAWCUT LINE.
 5. 0.5' INTERVAL CONTOURS SHOWN ONLY AT SELECT LOCATIONS TO INDICATE DRAINAGE OR GRADING PATTERNS.

1 - REVISED GRADING AND INCLUDED DETAIL 2 PER ADDENDUM #1		8/10/12		CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title GRADING PLAN		Project Title SEISMIC REPLACEMENT BLDG 2 PHASE 1 MINOR ACUTE PSYCHIATRIC WARD		VA Project Number 653-322		Office of Construction and Facilities Management			
				 BALZHISER & HUBBARD ENGINEERS 653.0322.086.cg101.dwg		 Tina Ely architect 2915 Wingate Street / Eugene, OR 97408 541.521.2477 / Tina.Ely@comcast.net		Approved: Project Director		Location ROSEBURG, OREGON		Building Number 086				Sheet Number CG-101	
Revisions:		Date								Date 30 APR 2012		Checked TLG		Drawn JAH/CB		 Department of Veterans Affairs	

A

A

B

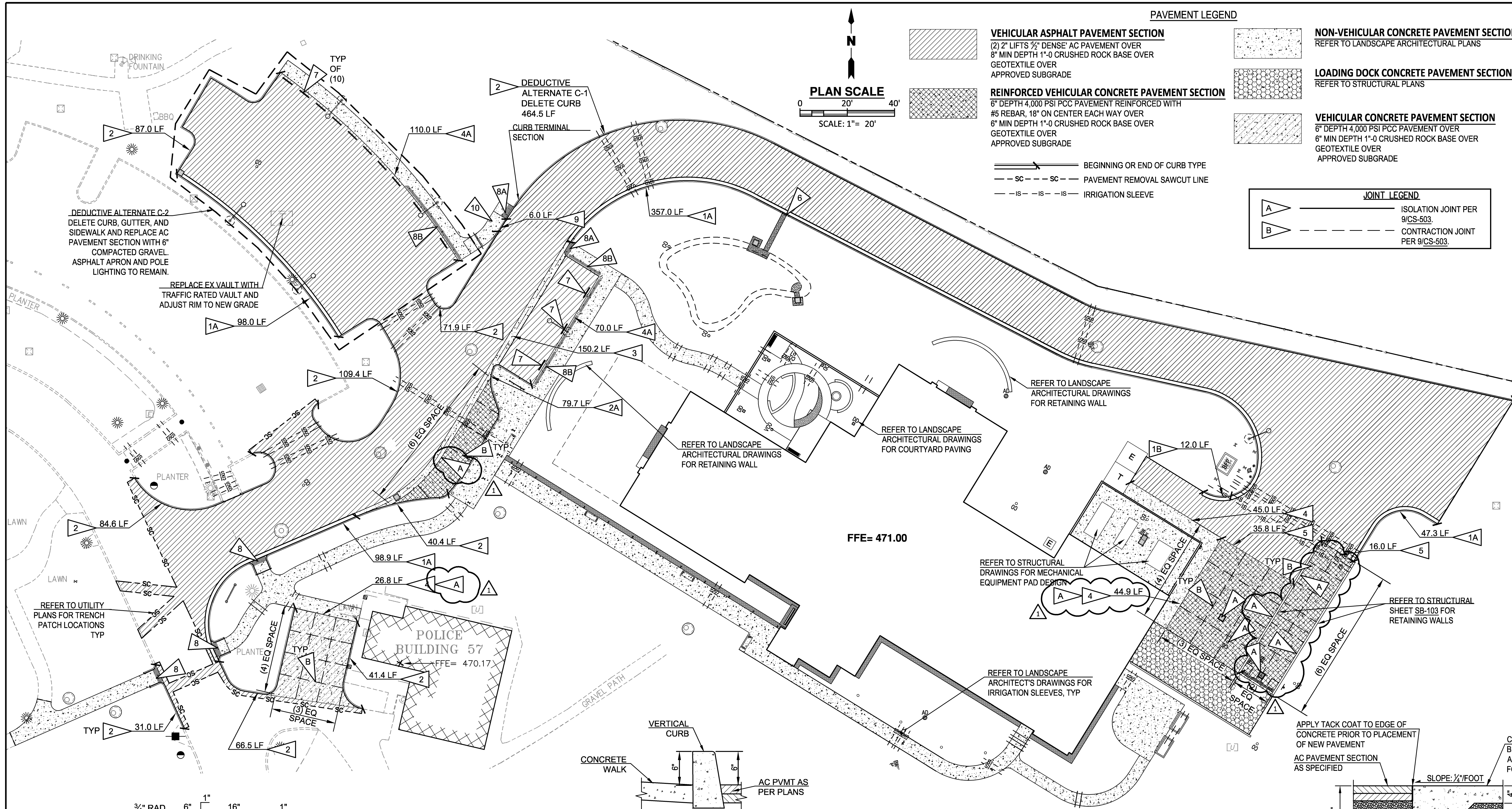
B

C

C

D

D

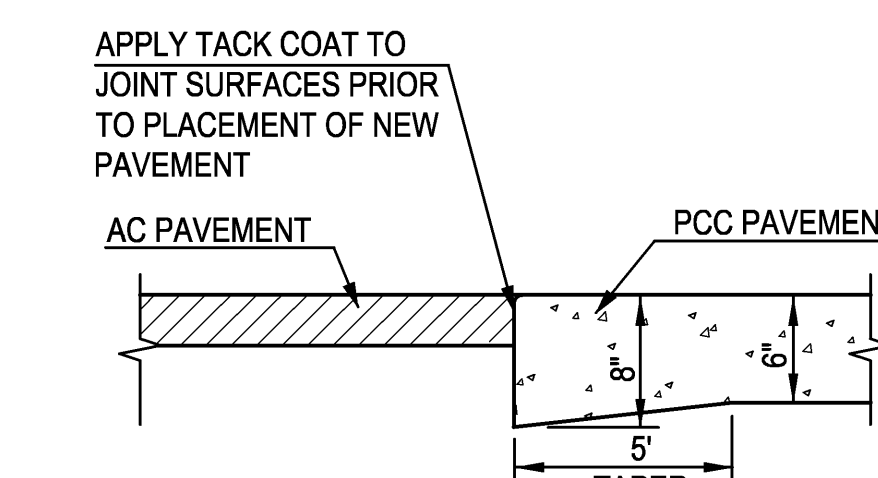


SHEET NOTES

1. REFER TO SHEET CS-502 FOR CIVIL AND SURVEY LEGENDS AND GENERAL NOTES.
2. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR PEDESTRIAN CONCRETE PAVING. JOINTING NOT ADDRESSED ON THE PLAN.
3. REFER TO GEOTECHNICAL REPORT AND SPECIFICATIONS FOR EARTHWORK REQUIREMENTS.

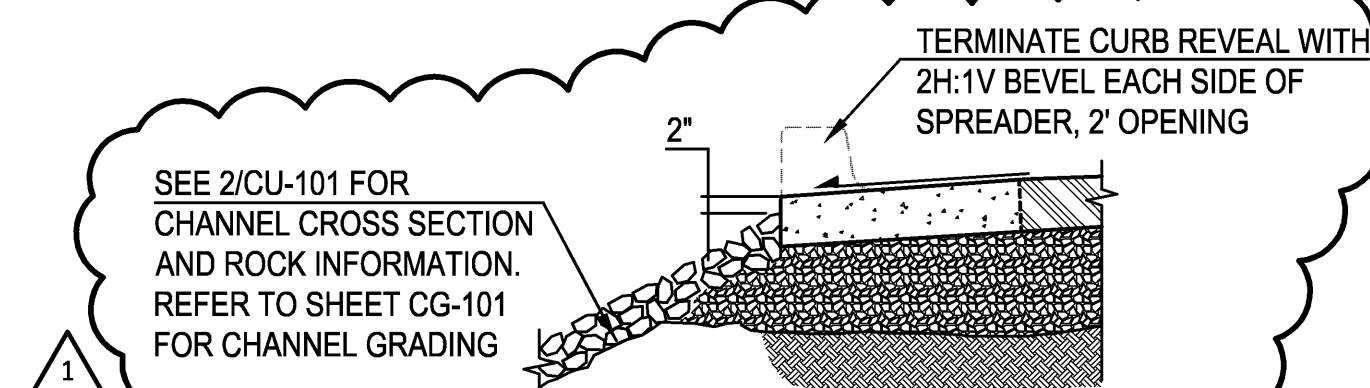
CONSTRUCTION NOTES

- 1A. CONSTRUCT CURB AND GUTTER PER DETAIL 1/CP-101.
- 1B. CONSTRUCT REVERSE CURB AND GUTTER PER DETAIL 1/CP-101.
- 2A. CONSTRUCT FULL DEPTH DROP CURB PER DETAIL 2/CP-101.
3. CONSTRUCT VALLEY GUTTER PER DETAIL 3/CP-101.
4. CONSTRUCT THICKENED EDGE SIDEWALK WITH 6" CURB REVEAL PER DETAIL 4/CP-101.
- 4A. CONSTRUCT THICKENED EDGE FLUSH PAVEMENT/SIDEWALK PER DETAIL 4/CP-101.
5. CONSTRUCT PAVEMENT TRANSITION SECTION AT INTERFACE BETWEEN ASPHALT AND CONCRETE PAVEMENTS PER DETAIL 5/CP-101.
6. CONSTRUCT CURB CUT AND FLOW SPREADER PER DETAIL 6/CP-101.
7. PROVIDE AND INSTALL CONCRETE WHEEL STOP PER SPECIFICATIONS AND DETAIL 7/CP-101.
8. CONSTRUCT STD SIDEWALK ACCESS RAMP PER DETAIL 8/CS-505.
- 8A. INSTALL TRUNCATED DOME DETECTABLE WARNING STRIP 2' x RAMP WIDTH.
- 8B. CONSTRUCT TACTILE GROOVES PER DETAIL 3/CS-505.
9. CONSTRUCT FULL DEPTH "EXPOSED" CURB PER DETAIL 2/CP-101.
10. CONSTRUCT ADA CURB RAMP GRADE TRANSITION. REFER TO SHEET CG-101 FOR GRADING REQUIREMENTS.



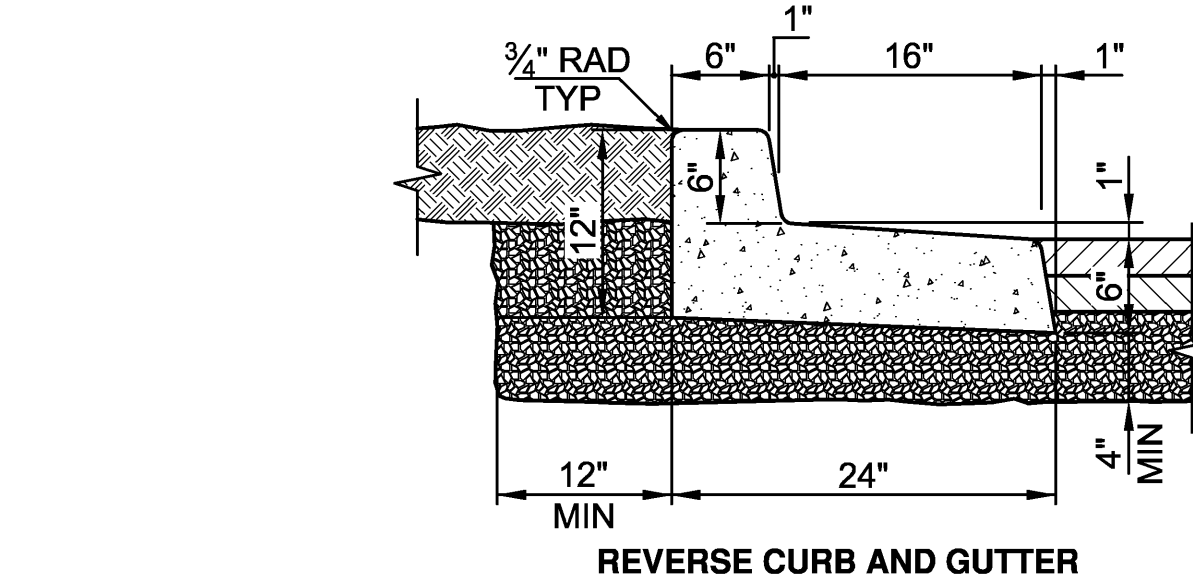
PAVEMENT TRANSITION

NO SCALE



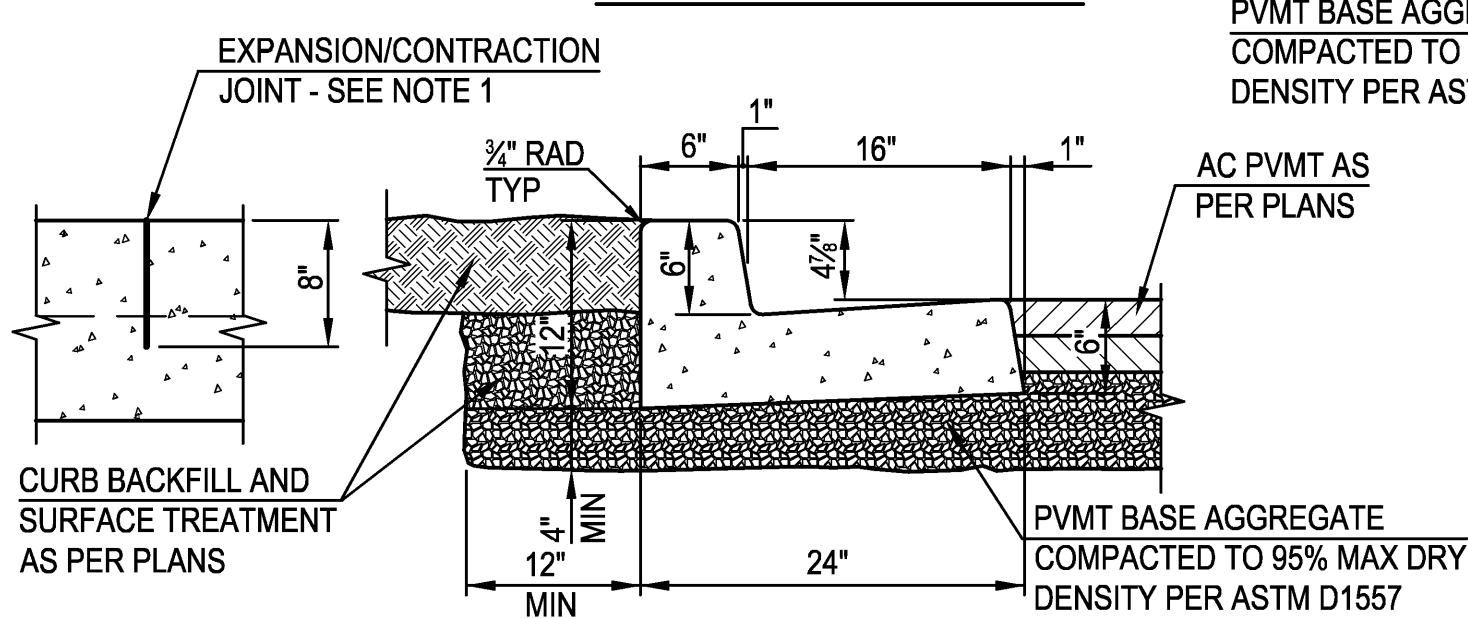
CURB CUT AND FLOW SPREADER

NO SCALE



REVERSE CURB AND GUTTER

NO SCALE



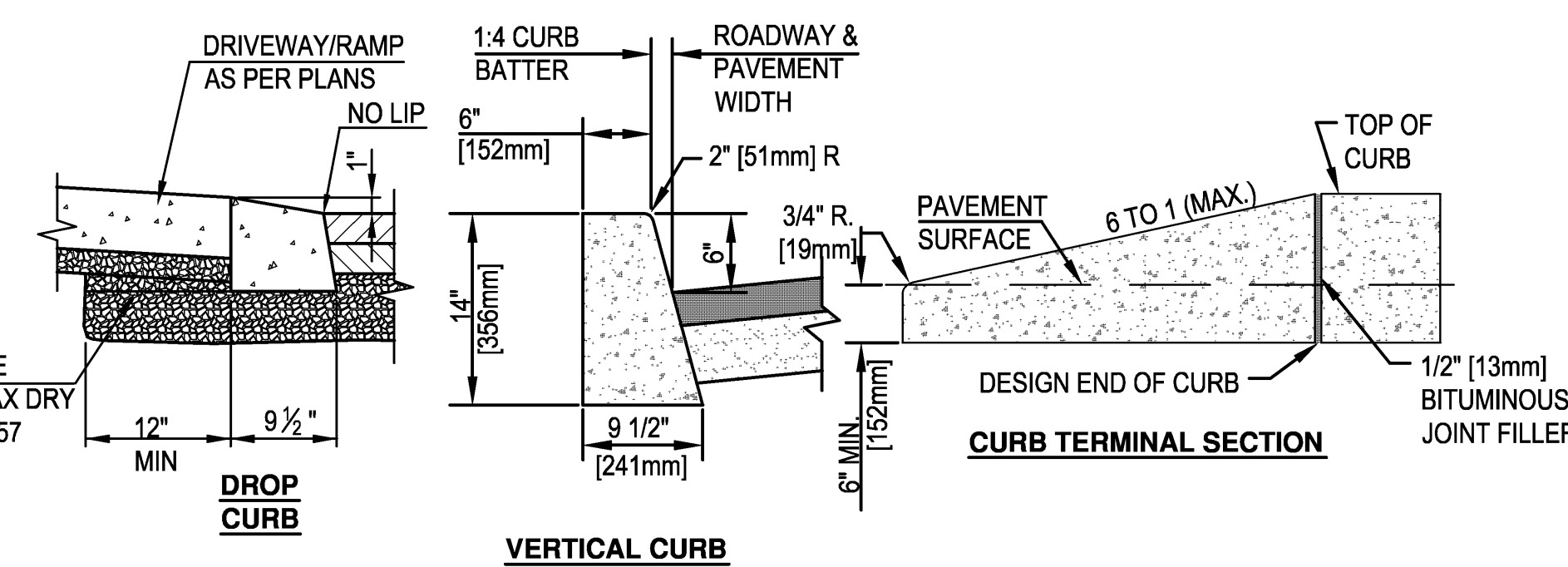
STANDARD CURB AND GUTTER

NO SCALE

- NOTES
1. EXPANSION JOINTS IN NON-EXTRUDED CURB/GUTTER. CONTRACTION JOINTS IN EXTRUDED CURB/GUTTER.
 2. EXPANSION JOINTS SHALL BE PLACED EVERY 30' IN NON-EXTRUDED CURB AND GUTTER.
 3. REFER TO FULL DEPTH CURB, DETAIL 2/CP-101, FOR ADDITIONAL FINISHING REQUIREMENTS.

CURB AND GUTTER

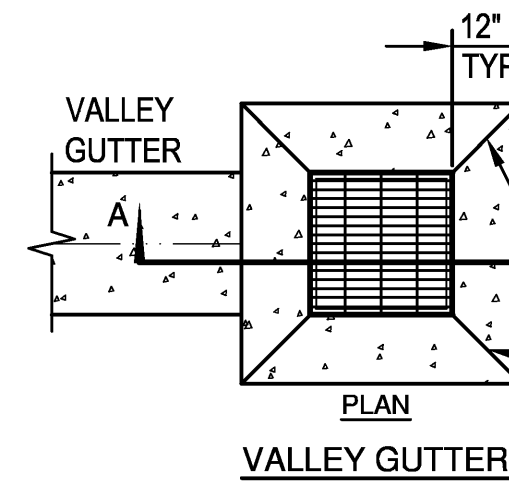
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FULL DEPTH CURB

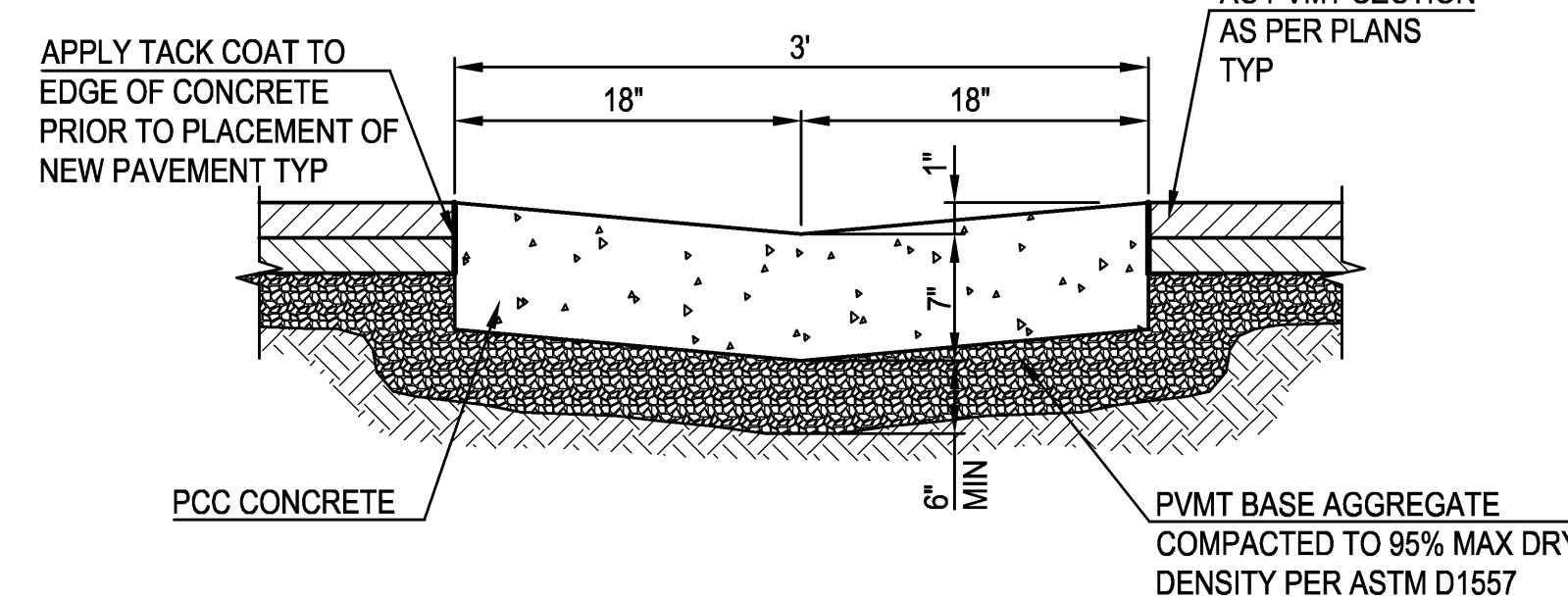
NO SCALE

- NOTES
1. ALL CONCRETE CURBS AND TRANSITIONS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.
 2. MAXIMUM SPACING ON SCORED JOINTS SHALL BE 15' (4572mm).
 3. 1/2" [13mm] THICK EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, TRANSITIONS, AND AT A MAXIMUM OF 30' (9144mm) INTERVALS. EXPANSION MATERIAL SHALL ALSO BE PLACED BETWEEN CURBS AND ADJACENT STRUCTURES, SIDEWALKS, DRIVEWAYS AND CURB ACCESS RAMPS. THE 1/2" [13mm] JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 4. CONCRETE SHALL BE FINISHED WITH A STEEL TROWEL FOLLOWED BY BRUSHING WITH A FINE BRUSH ALONG THE LENGTH OF THE CURB OR CURB AND GUTTER.
 5. SINGLE CURB MAY BE CONSTRUCTED BY THE USE OF FORMS OR MAY BE SLIP FORMED.
 6. ALL EXPOSED EDGES AND HAND TOOLED JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS UNLESS A LARGER RADIUS IS INDICATED BY THE APPLICABLE STANDARD DETAIL OR PROJECT PLANS.



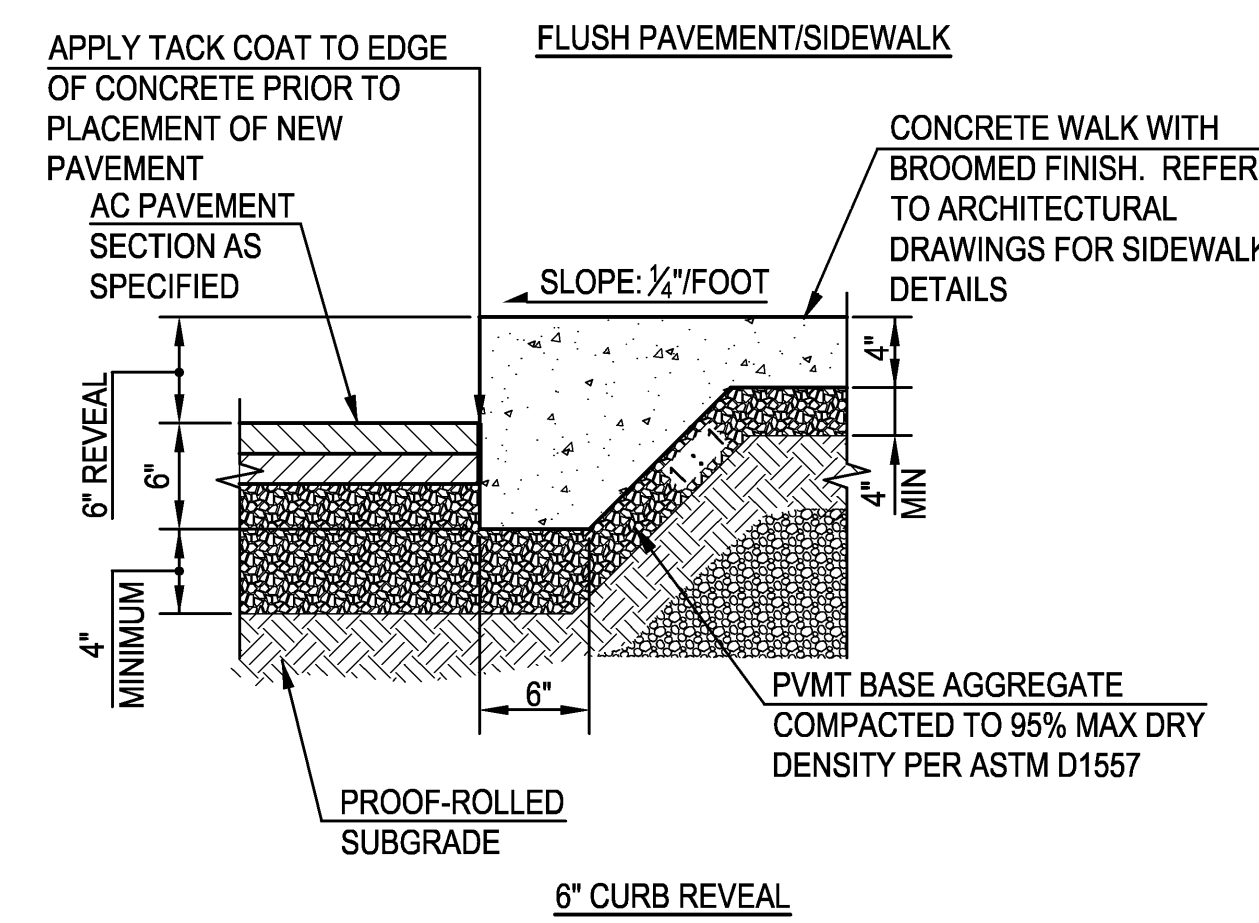
VALLEY GUTTER

NO SCALE



THICKENED EDGE SIDEWALK

NO SCALE



PRECAST CONCRETE WHEEL STOP

NO SCALE

1 - REVISED CONCRETE JOINTING PER
ADDENDUM #1

8/10/12

CONSULTANTS:



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Drawing Title

PAVING PLAN

Approved: Project Director

Project Title
SEISMIC REPLACEMENT BLDG 2
PHASE 1 MINOR
ACUTE PSYCHIATRIC WARD

Location
ROSEBURG, OREGON

Date
30 APR 2012

Checked
TLG

Drawn
JAH/CB

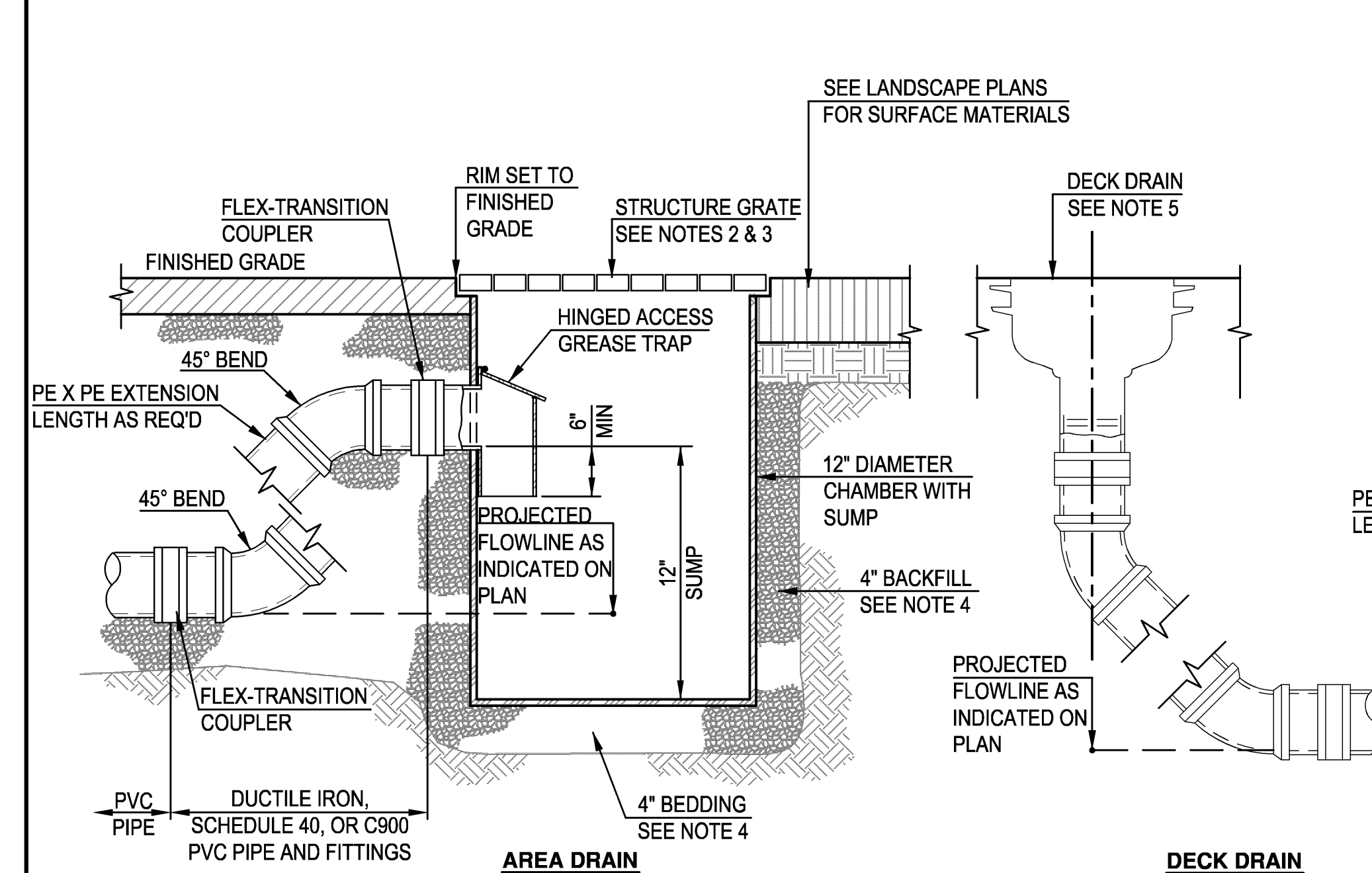
VA Project Number
653-322

Building Number
086

Sheet Number
CP-101

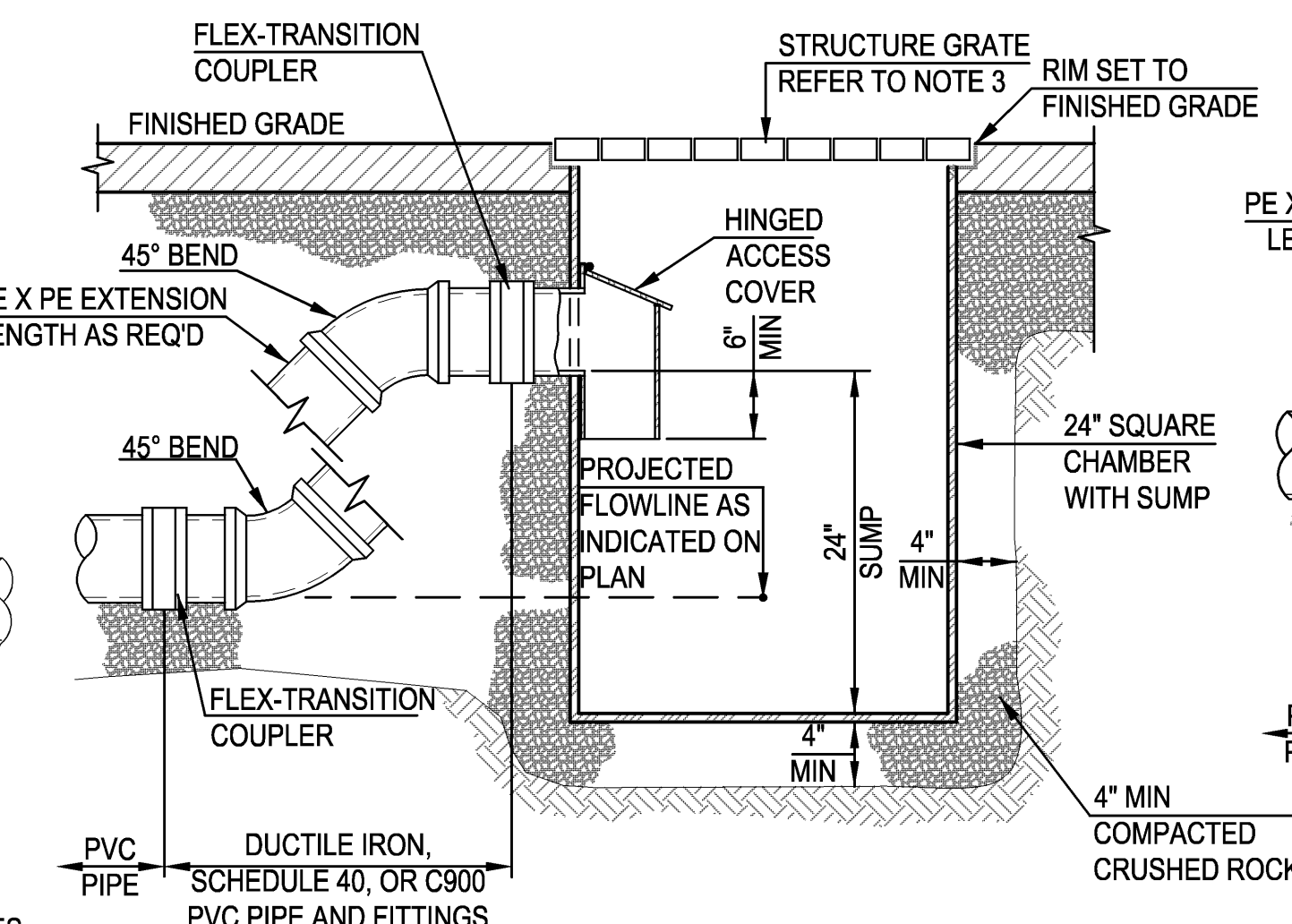
Office of
Construction
and Facilities
Management





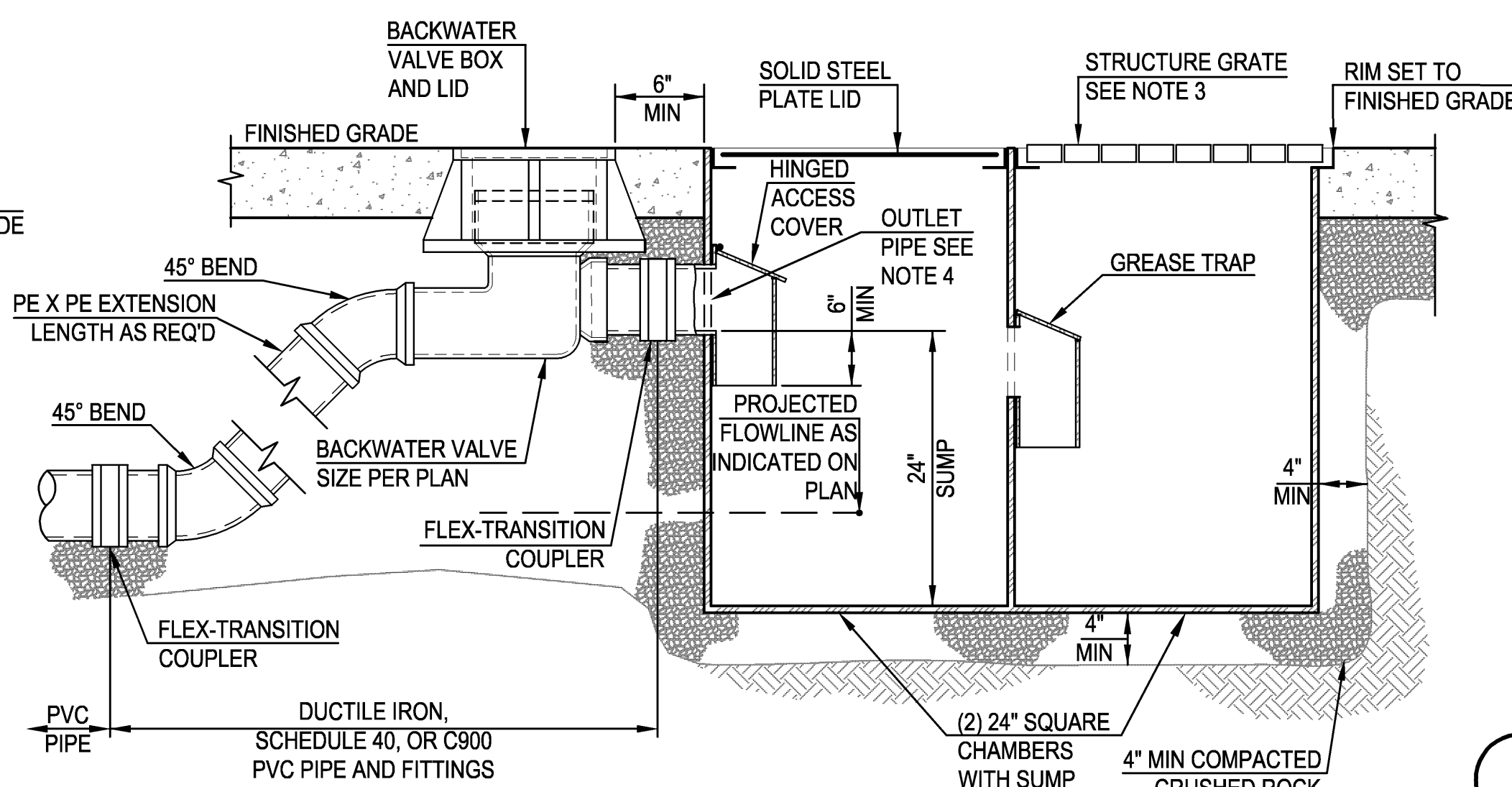
- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ADEQUATE FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. LOCATION SPECIFIED ON PLAN INDICATES APPROXIMATE CENTER OF GRATED SECTION OF BASIN IN LANDSCAPE AND CENTER OF GRATED SECTION IN SOFTSCAPE. COORDINATE FINAL LOCATION AND INSTALLATION IN LANDSCAPE AREAS WITH CONCRETE CONTRACTOR.
 3. ALL STRUCTURES SHALL BE PROVIDED WITH HEAVY DUTY GRATE WITH BICYCLE BARS.
 4. BEDDING AND BACKFILL SHALL BE COMPACTED CRUSHED ROCK PER SPECIFICATION SECTION 31 20 00.
 5. DECK DRAIN SHOWN SCHEMATICALLY. CONSTRUCT PIPE AND FITTINGS SIMILAR TO THOSE SHOWN FOR AREA DRAIN.

1 AREA DRAIN (AD)/DECK DRAIN (DD)
NO SCALE



- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ADEQUATE FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. LOCATION SPECIFIED ON PLAN INDICATES CENTER OF GRATED SECTION OF BASIN, FACE OF CURB AT CENTER OF GRATED SECTION, OR INTERSECTION BETWEEN FACE OF CURBS.
 3. ALL STRUCTURES SHALL BE PROVIDED WITH HEAVY DUTY GRATE WITH BICYCLE BARS EXCEPT STRUCTURES INDICATED ON PLANS REQUIRING ADA-APPROVED GRATE.

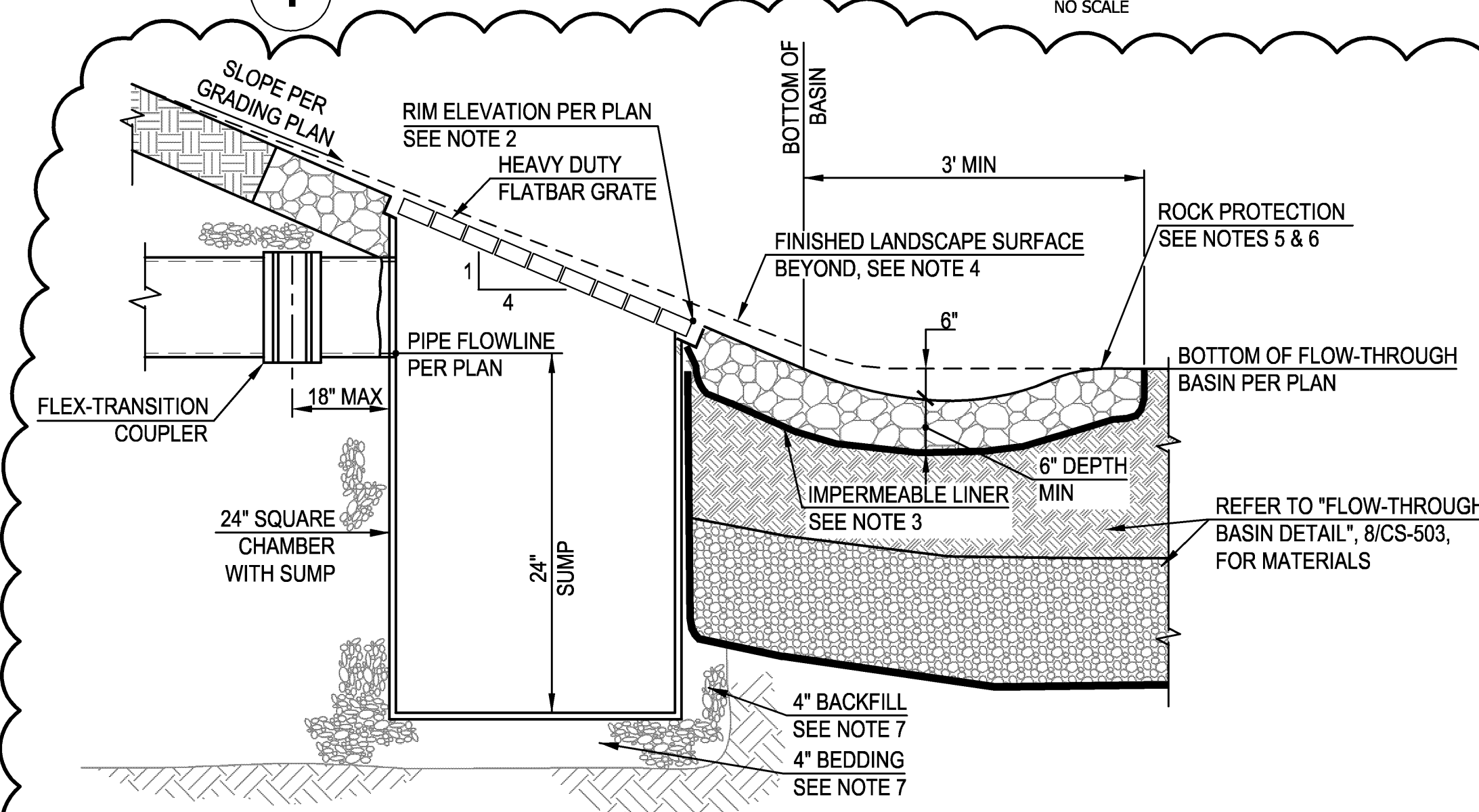
2 CATCH BASIN (CB)
NO SCALE



- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ADEQUATE FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. LOCATION SPECIFIED ON PLAN INDICATES CENTER OF GRATED SECTION OF BASIN, FACE OF CURB AT CENTER OF GRATED SECTION, OR INTERSECTION BETWEEN FACE OF CURBS.
 3. ALL STRUCTURES SHALL BE PROVIDED WITH HEAVY DUTY ADA-APPROVED GRATE.
 4. OUTLET LOCATION SHALL BE IN ACCORDANCE WITH CATCH BASIN ORIENTATION AS SHOWN ON PLANS.

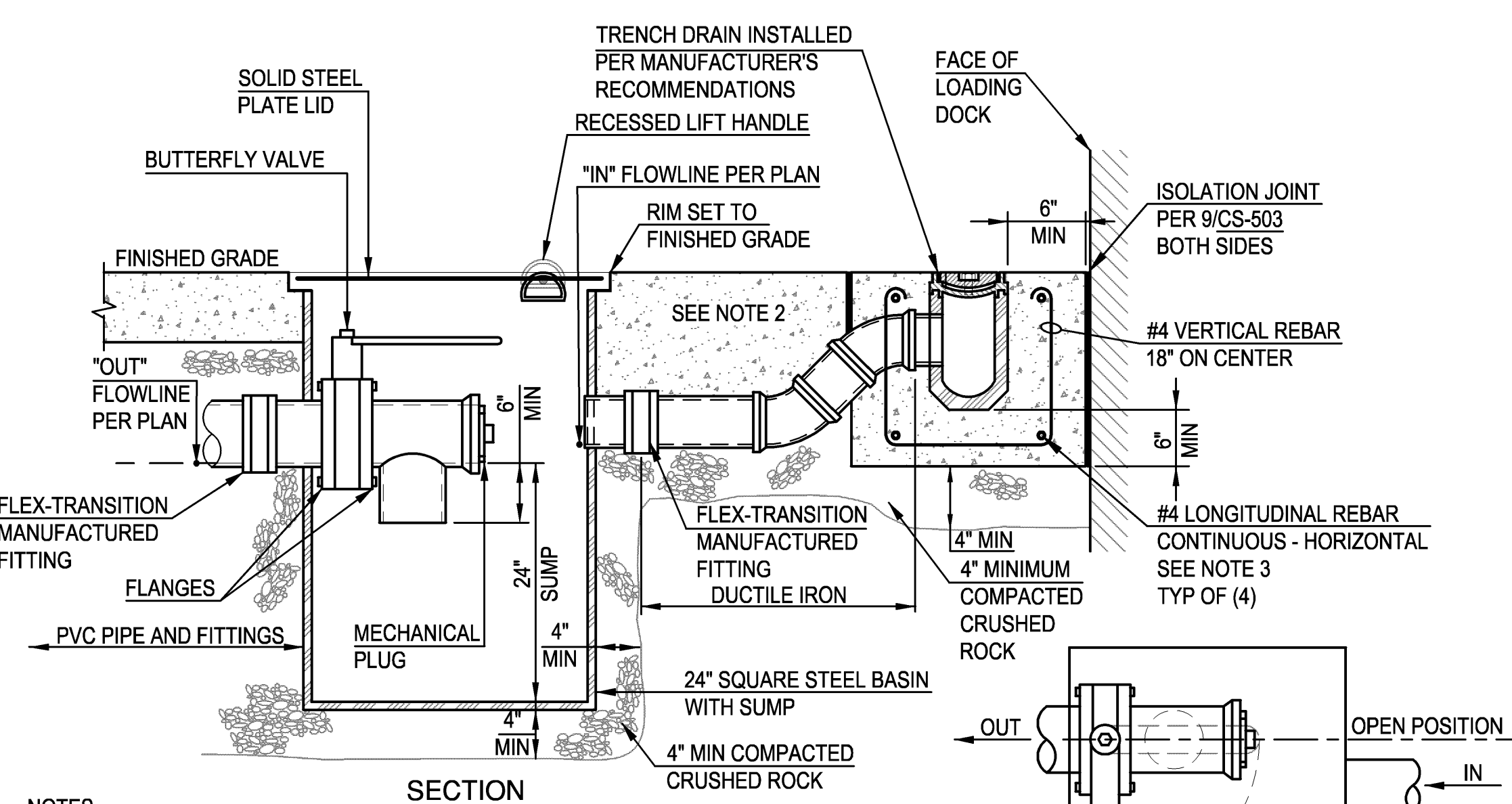
3 DOUBLE CHAMBER CATCH BASIN (DCCB)
NO SCALE

4 NOT USED
NO SCALE



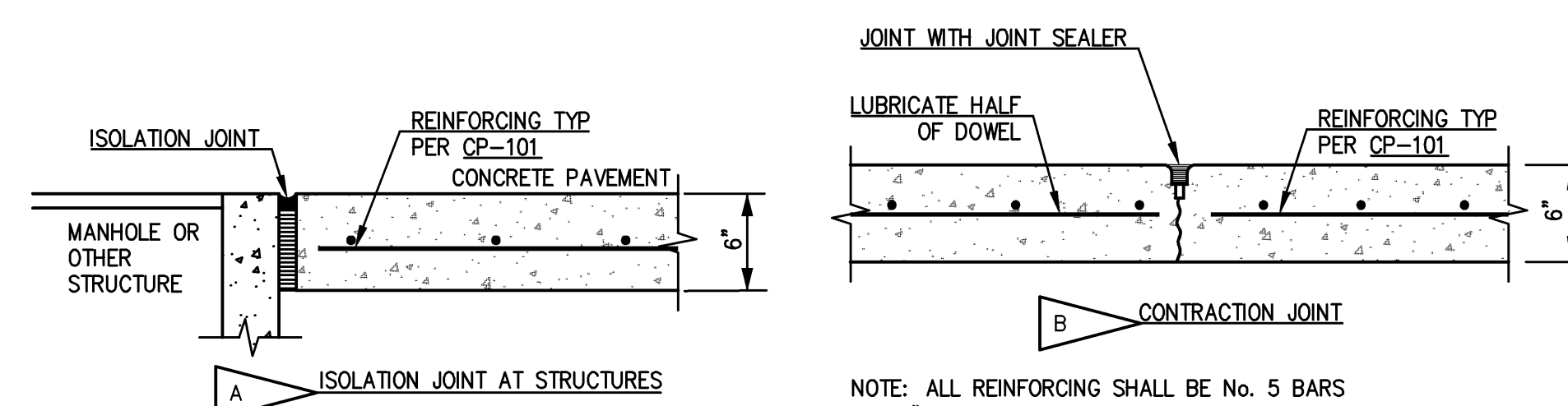
- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER UNDER FRAME.
 2. COORDINATES SHOWN ON PLAN REPRESENT MIDPOINT OF LOWER EDGE OF GRATED SECTION.
 3. TERMINATE IMPERMEABLE LINER AT BOTTOM OF STRUCTURE GRATE (ALL SIDES) AND 2" BELOW FINISHED SURFACE ELEVATION AT EDGE OF ROCK PROTECTION.
 4. TRANSITION LANDSCAPE MATERIAL SLOPE AT STRUCTURE FRAME TO 4H:1V MAXIMUM SLOPE WHERE ROCK PROTECTION MEETS LANDSCAPE MATERIALS.
 5. EXTEND ROCK PROTECTION FROM BOTTOM EDGE OF STRUCTURE TO 3" MIN INTO BOTTOM OF FLOW-THROUGH BASIN. EXTEND ROCK PROTECTION COLLAR 1" MIN AROUND ALL SIDES OF STRUCTURE.
 6. ROCK PROTECTION MATERIAL IS 4" OPEN GRADED CRUSHED ROCK PER SPECIFICATION SECTION 33 40 00.
 7. BEDDING AND BACKFILL SHALL BE COMPACTED CRUSHED ROCK PER SPECIFICATION SECTION 31 20 00.

5 OUTFALL CATCH BASIN (OCB)
NO SCALE



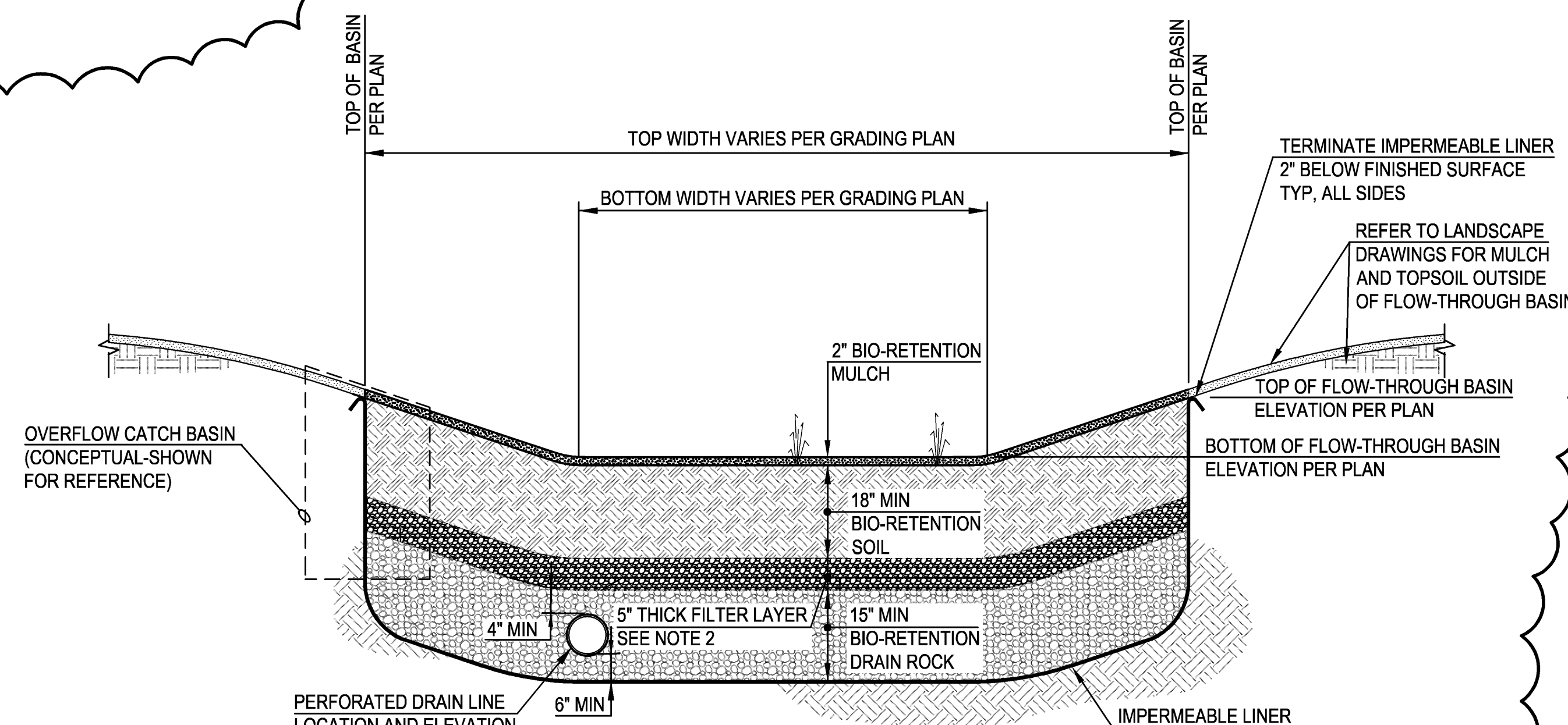
- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. LOCATION SPECIFIED ON PLAN INDICATES CENTER OF TD AND CENTER OF CATCH BASIN STRUCTURE.
 3. WRAP CONCRETE COLLAR AROUND ALL SIDES OF TD.

6 TRENCH DRAIN AND OUTLET SEDIMENT TRAP
NO SCALE



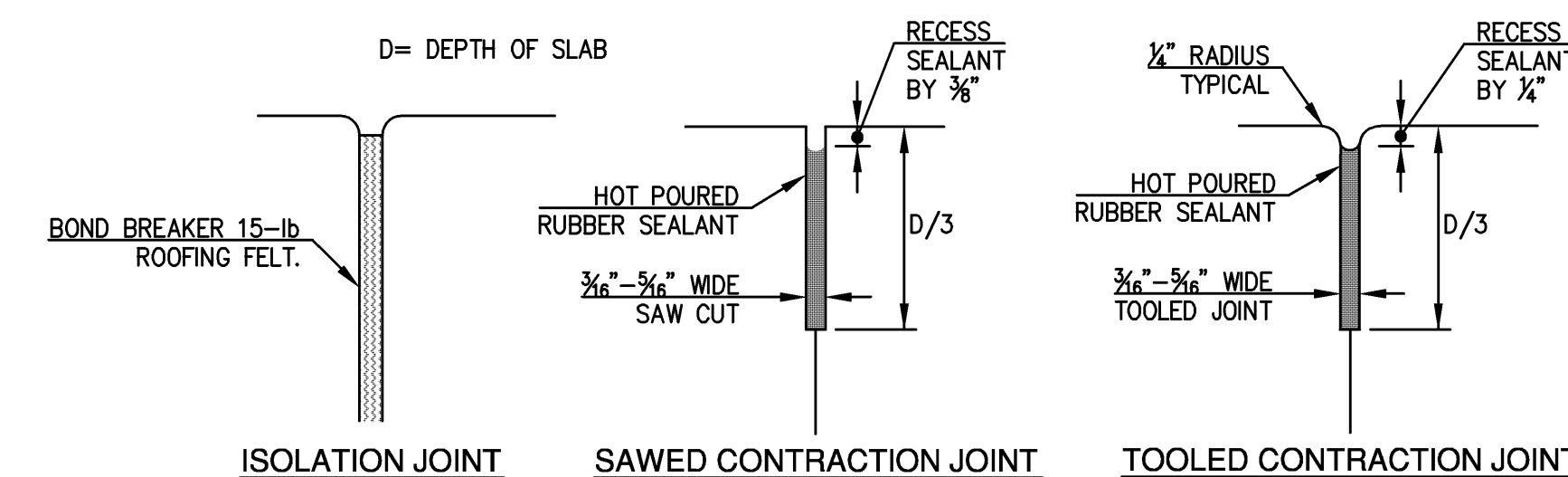
NOTE: ALL REINFORCING SHALL BE No. 5 BARS AT 12" O.C., EACH WAY.

9 JOINTING DETAILS
NO SCALE



- NOTES**
1. BOTTOM OF FLOW-THROUGH BASIN ELEVATION REPRESENTS TOP OF 18" THICK BIO-RETENTION SOIL LAYER. WITH THE EXCEPTION OF NOTED BIO-RETENTION MULCH, NO MULCH SHALL BE PLACED IN THE BOTTOM OF THE FLOW-THROUGH BASIN.
 2. 5" THICK FILTER LAYER CONSISTS OF 3" OF BIO-RETENTION FILTER SAND OVER 2" OF BIO-RETENTION FILTER GRAVEL.
 3. REFER TO LANDSCAPE DRAWINGS FOR HORIZONTAL LAYOUT AND PLANTINGS.
 4. REFER TO SPECIFICATION SECTION 31 20 00 FOR BIO-RETENTION MULCH, SOIL, FILTER MATERIALS, AND DRAIN ROCK.

8 FLOW-THROUGH BASIN
NO SCALE



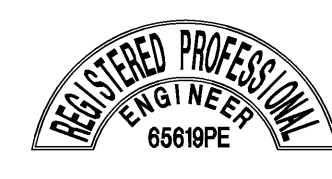
10 JOINT SEALANT
NO SCALE

1 - DELETED DETAILS 4 AND 7. REVISED	8/10/12
DETAILS 5, 6 AND 8 AND ADDED	
DETAILS 9 AND 10 PER ADDENDUM #1	
Revisions:	Date

CONSULTANTS:



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Drawing Title	CIVIL DETAILS	Project Title	SEISMIC REPLACEMENT BLDG 2 PHASE 1 MINOR ACUTE PSYCHIATRIC WARD	VA Project Number	653-322
Approved: Project Director		Building Number	086	Sheet Number	CS-503
Date	30 APR 2012	Location	ROSEBURG, OREGON		
Checked	TLG	Drawn	JAH/CB		

Office of
Construction
and Facilities
Management

