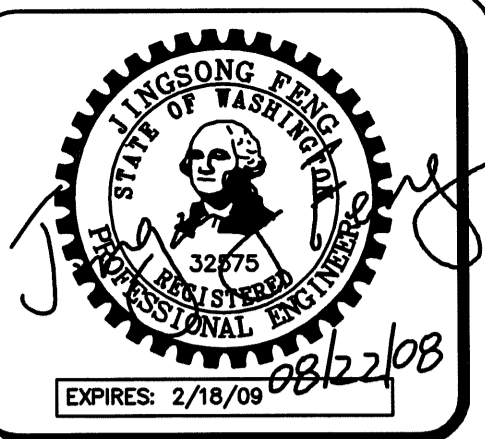


PORTION OF THE SW 1/4 OF THE NW 1/4 OF SEC. 33, TWN. 24N., RGE. 5E., W.M.

APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____
CITY OF NEWCASTLE

THESE DRAWINGS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 12 MONTHS FROM THE DATE SHOWN HEREON. THE CITY RESERVES THE RIGHT TO MAKE REVISIONS, ADDITIONS, DELETIONS, OR MODIFICATIONS SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMITATION. THE CITY, BY APPROVING THESE DRAWINGS, ASSUMES NO LIABILITY IN REGARDS TO THEIR ACCURACY OR OMISSIONS.



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SEATTLE, WA 98188
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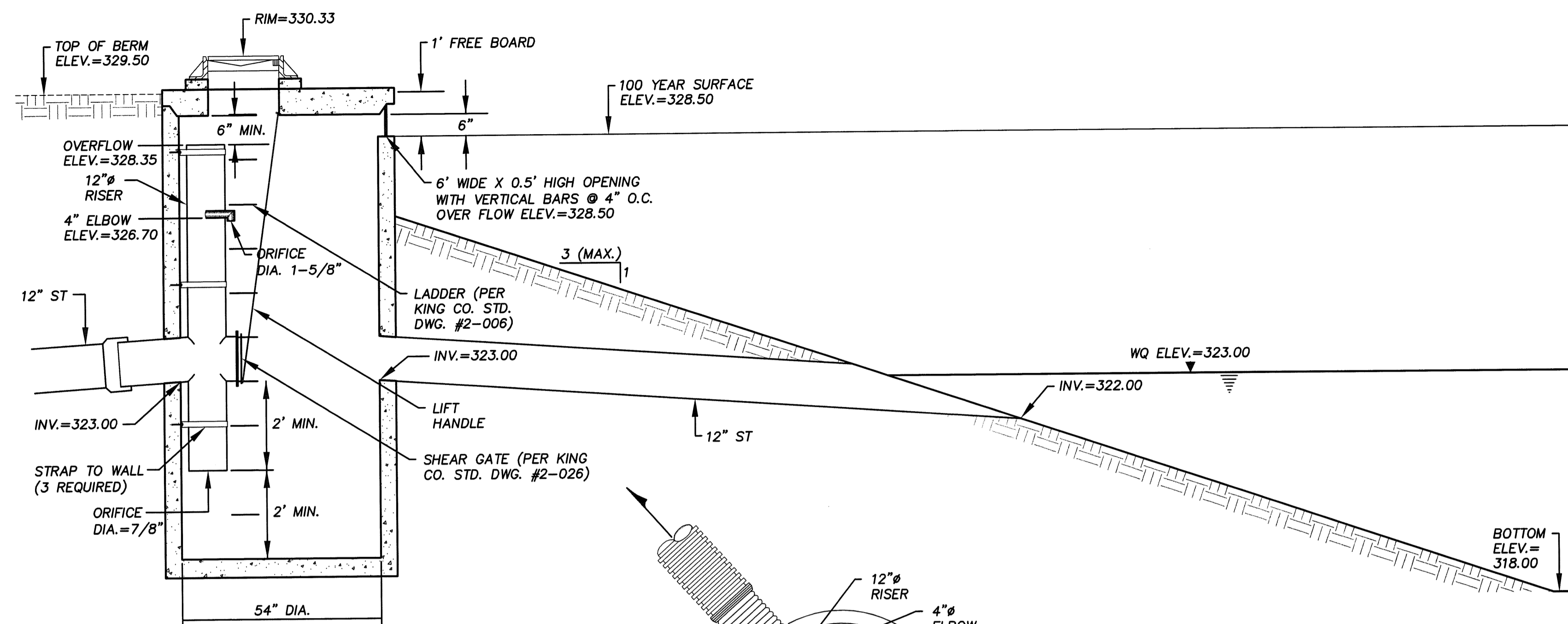
Pacific Engineering Design, LLC
Civil Engineering and Planning Consultants

LAWRENCE PARK
CITY OF NEWCASTLE

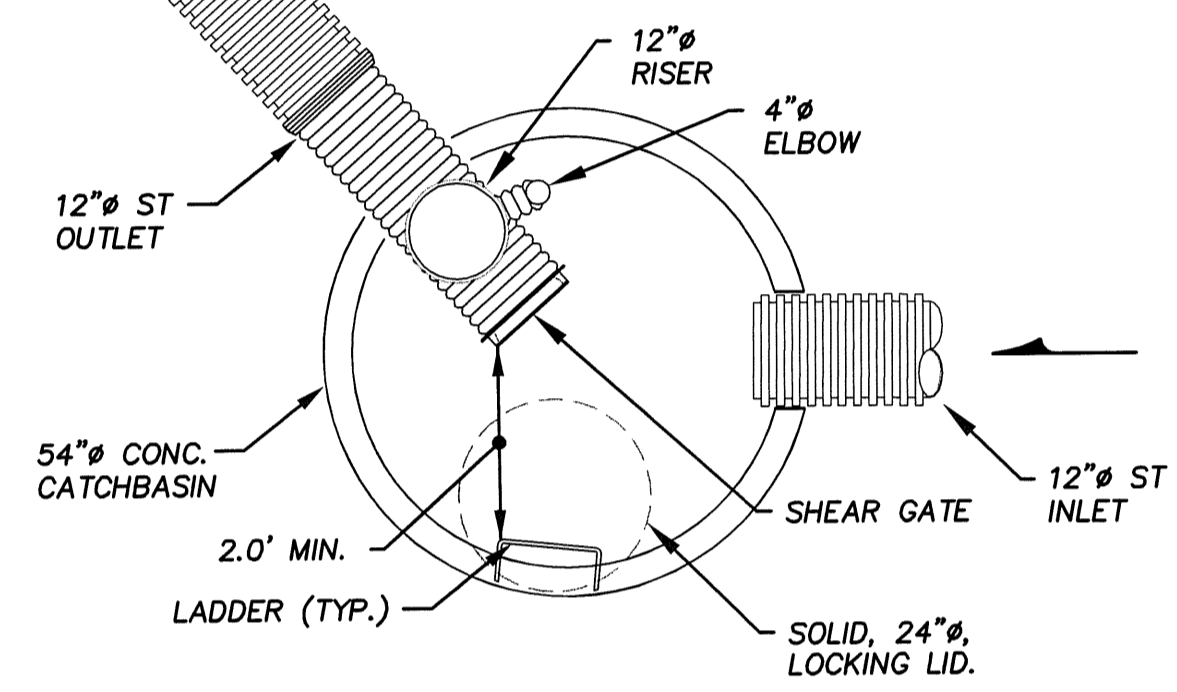
PROJECT NO.: 05119
DRAWN BY: RRJ
ISSUE DATE: 04-01-08
SHEET REV.: 08-22-08

DETAILS

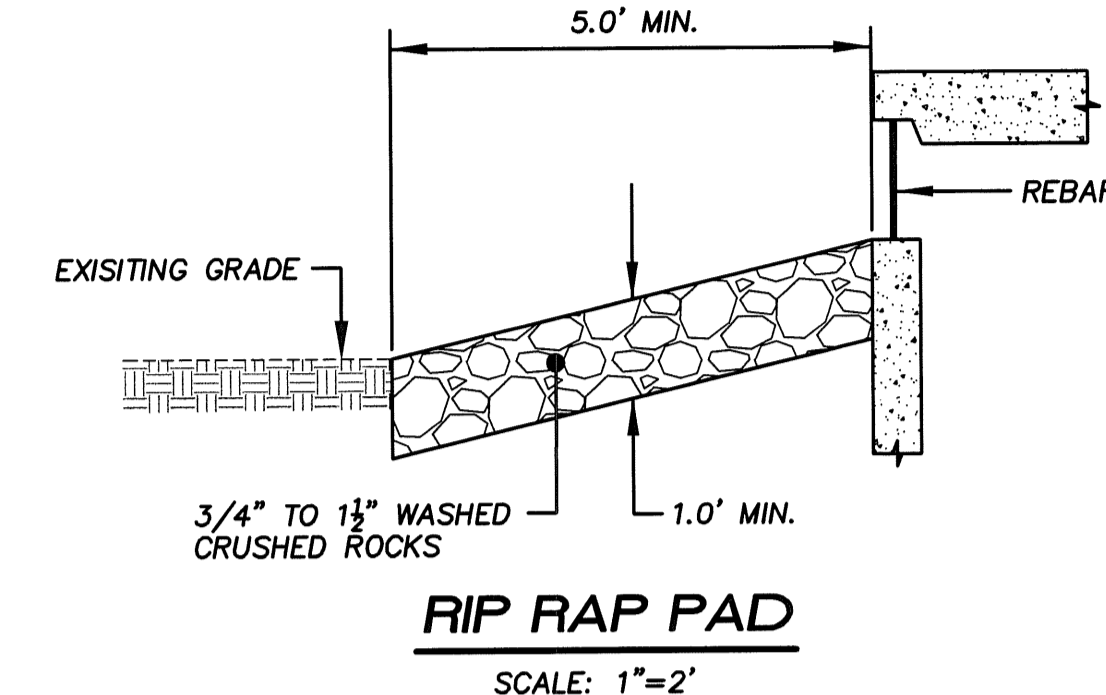
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C12



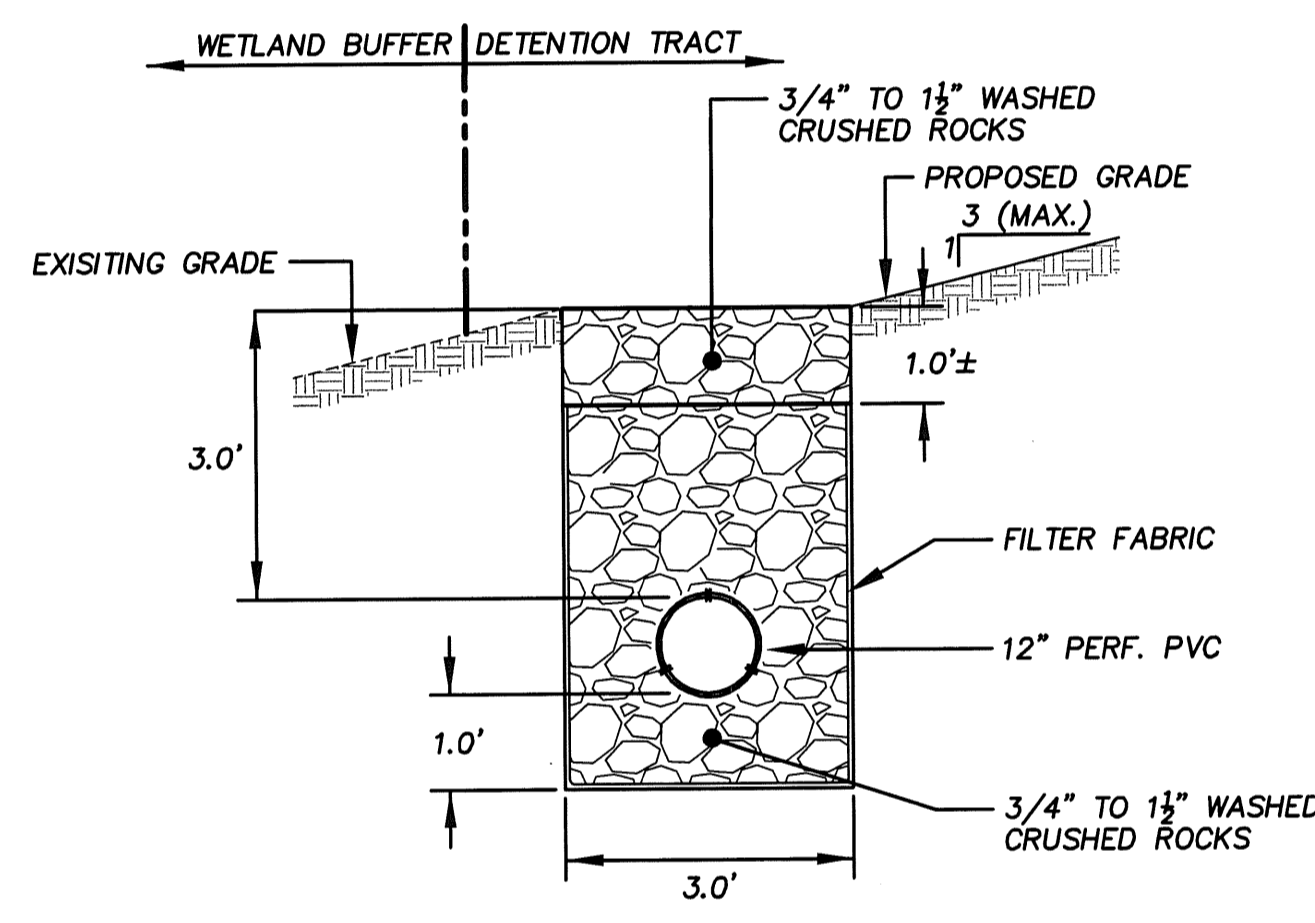
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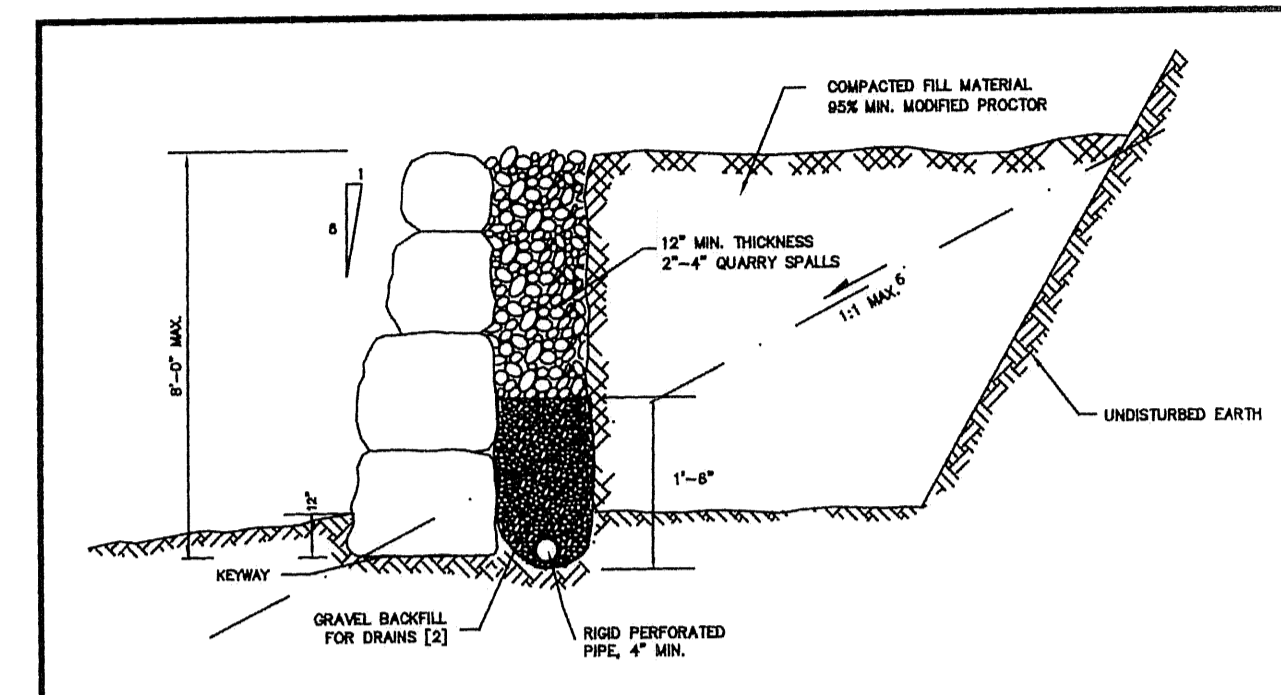
PLAN VIEW
FLOW CONTROL STRUCTURE
SCALE: 1"=2'



RIP RAP PAD
SCALE: 1"=2'

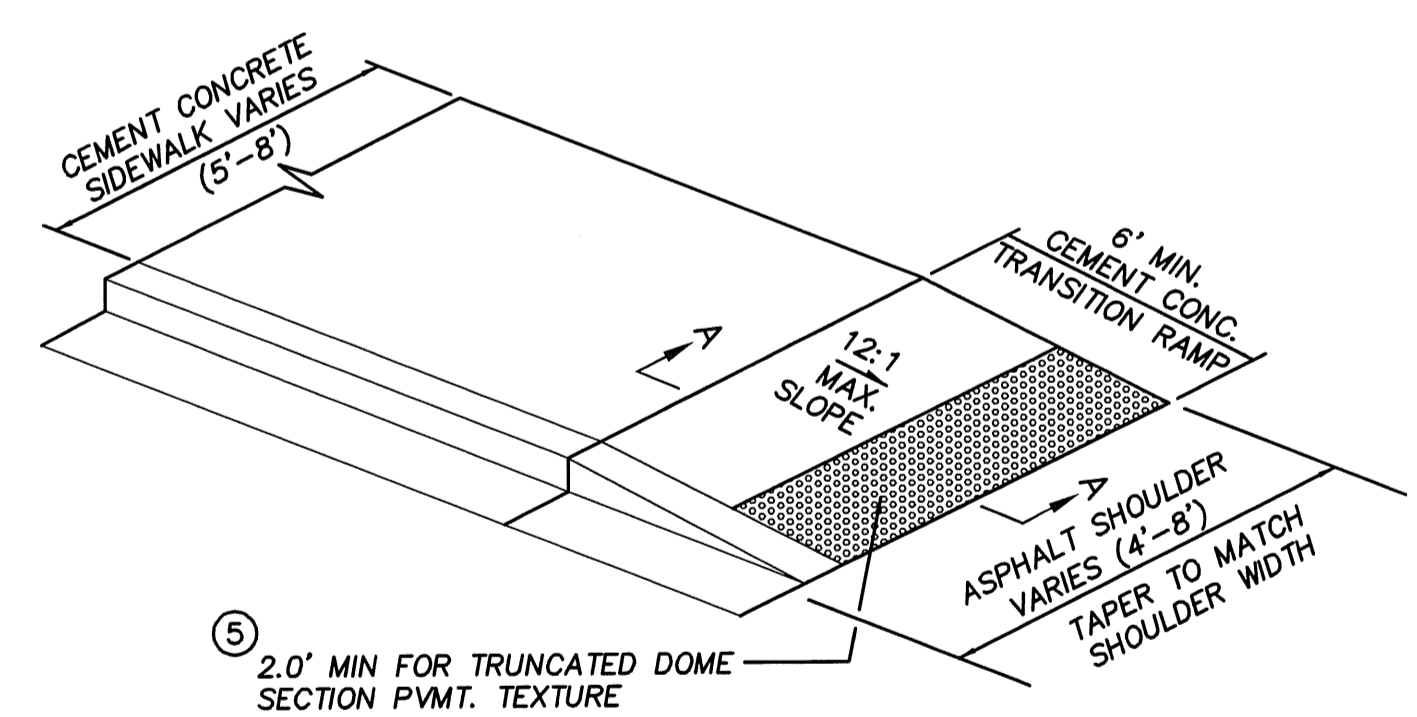


GRAVEL DISPERSAL TRENCH
SCALE: 1"=2'



- NOTES:
- SEE SECTION 4.30.
 - WSDOT / APWA 9-03.12[4]
 - FENCE OR HANDRAIL MAY BE REQUIRED WHEN ROCKERY HEIGHT EXCEEDS 30 INCHES. INCHES AND IS LOCATED IN A PUBLIC AREA.
 - THE WALL FOUNDATION IS TO BE CLEARED OF ORGANIC MATTER AND DEBRIS AND THE UNDERLYING MINERAL SOIL COMPACTED TO 95 PERCENT OF THE MAX. DRY DENSITY. THE EMBANKMENT MATERIAL IS TO BE GRAVEL BORROW MEETING THE REQUIREMENTS OF 9-03.14 OF THE WSDOT STANDARDS. THE BACKFILL IS TO BE PLACED IN THIN LIFTS, NOT EXCEEDING SIX INCHES IN THICKNESS AND COMPACTED TO 95 PERCENT OF THE MAX. DRY DENSITY.
 - (NOT USED)
 - ZONE OF INFLUENCE. FLATTER SLOPE MAY BE REQUIRED IN LESS STABLE SOILS. ALL DRIVEWAYS, PARKING AREAS, AND ROADS SHALL LIE BELOW THE ZONE OF INFLUENCE.
 - EMBANKMENTS BEHIND ROCKERIES EXCEEDING 4' IN HEIGHT SHALL BE REINFORCED WITH GEOSYNTHETIC FABRIC OR GEODRID.
 - ROCK WALLS SHALL BE PLACED NO CLOSER THAN 5 FEET FROM THE EDGE OF ANY PEDESTRIAN WALKWAY, PUBLIC EASEMENT OR RIGHT OF WAY.
 - MAXIMUM HEIGHT, AS MEASURED FROM THE KEYWAY, IS EIGHT (8) FEET. ALL WALLS FOUR FEET OR HIGHER SHALL REQUIRE A BUILDING PERMIT. ALL WALLS TO BE CONSTRUCTED IN A FILL SECTION OR THOSE WALLS SUPPORTING A SURCHARGE (DRIVEWAY, ROAD, BUILDING OR PARKING AREA) SHALL REQUIRE DESIGN BY A LICENSED ENGINEER.
 - THE TOP OF ALL ROCK WALLS SHALL BE CONFIGURED TO PREVENT SURFACE DRAINAGE OVER THE TOP OF THE WALL.
 - OVERBURDEN SHALL EXTEND BEYOND THE CUT FACE AT LEAST THE HEIGHT OF THE WALL.

CITY OF NEWCASTLE
ROCK WALL - FILL SECTION
APPROVED: ROGER KUYKENDALL, P.E. 8/1/2009
BY CITY DATE
DWG. NO. ST-27



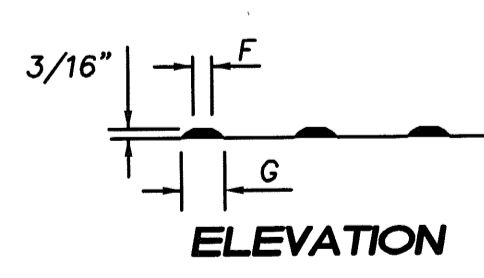
SECTION A-A

NOTES:

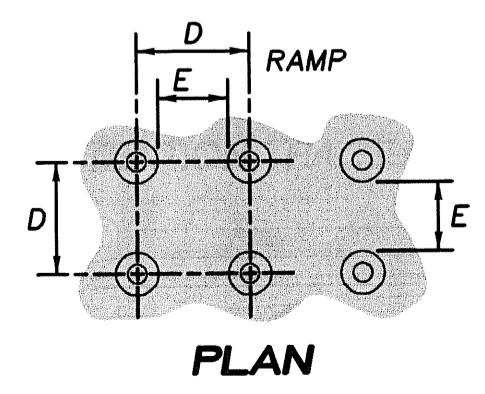
- SEE SEC. 3.02 FOR SIDEWALK WIDTHS.
- SEE SECS. 2.02 AND 2.03 FOR PAVEMENT AND SHOULDER WIDTHS.
- SHOULDER SHALL BE SURFACED AS REQUIRED BY SECS. 3.07 AND 4.01. PAVED SHOULDER SLOPE SHALL MATCH CROWN SLOPE OR 0.02 FT./FT.
- SEE FIG. 3-001 FOR CURB AND SIDEWALK JOINTS.
- RAMP SHALL BE TEXTURED USING TRUNCATED DOME PATTERN. (SEE FIG. 3-011.) DETECTABLE WEARING PATTERN SHALL BE YELLOW IN COMPLIANCE WITH WSDOT STANDARD SPECIFICATIONS 8-14.3(3).
- THIS DETAIL APPLIES TO ROLLED AND VERTICAL CURB ROADWAYS.

CEMENT CONCRETE SIDEWALK TRANSITION TO ASPHALT SHOULDER

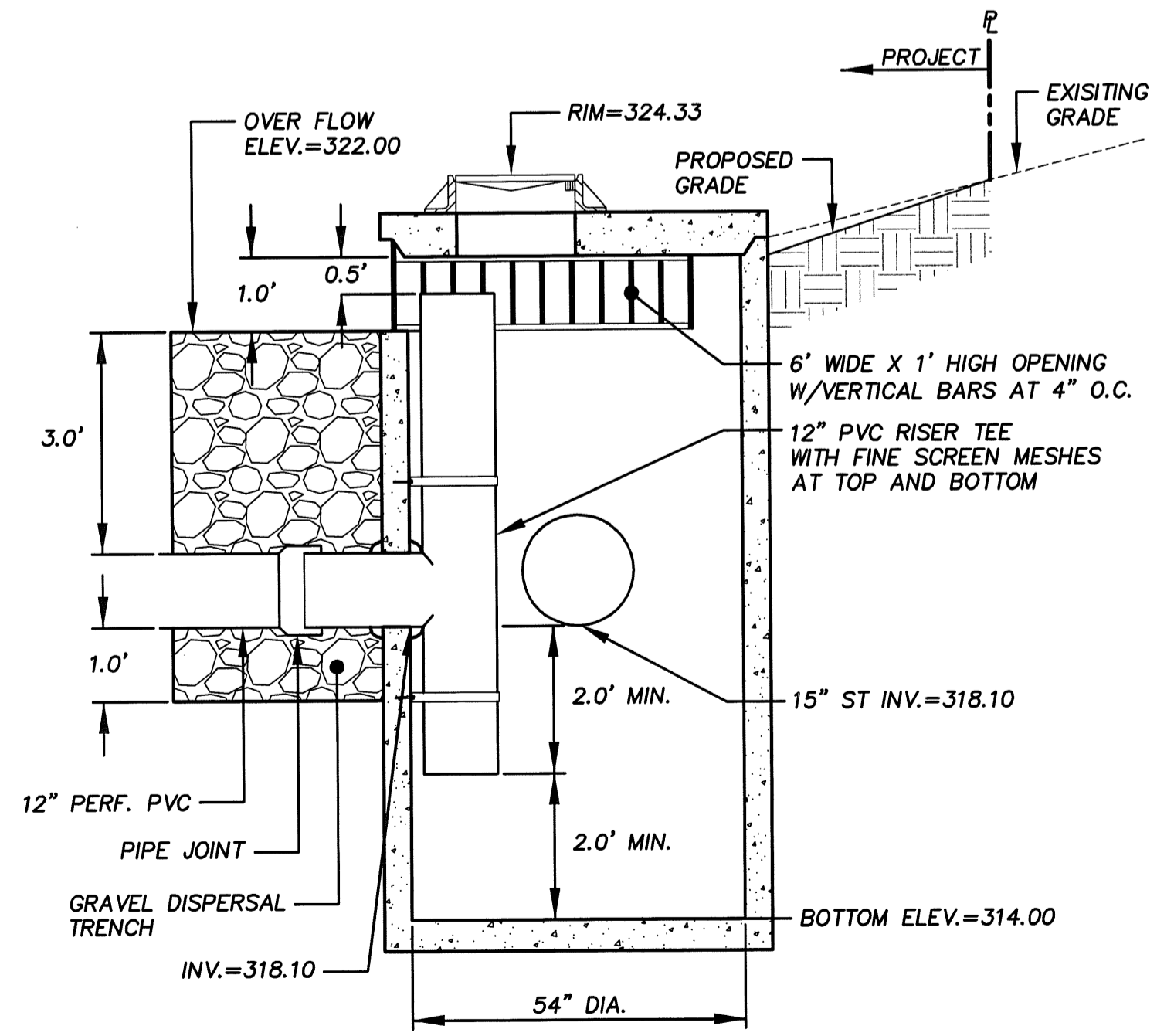
NOTE:
DETECTABLE WARNING PATTERNS MAY BE CREATED BY ANY METHOD THAT WILL ACHIEVE THE TRUNCATED DOME DIMENSIONS AND SPACING SHOWN. THE DETECTABLE WARNING PATTERN AREA SHALL BE YELLOW, IN COMPLIANCE WITH STD. SPEC. 8-14.3(3)



	MIN.	MAX.
D	1 5/8"	2 3/8"
E	5/8"	1 1/2"
F	7/16"	3/4"
G	7/8"	1 7/16"



TRUNCATED DOMES (SEE NOTE)
DETECTABLE WARNING PATTERN DETAIL



ENERGY DISSIPATOR OVER FLOW STRUCTURE CB#1
SCALE: 1"=2'