

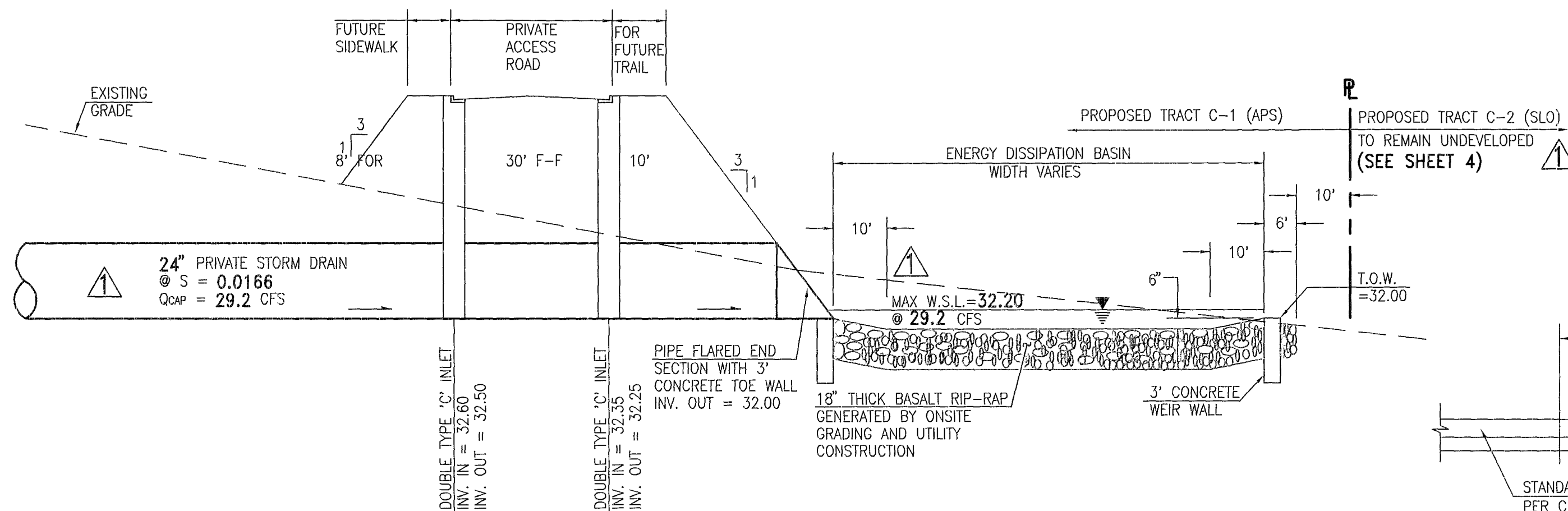
DRIVING LANE HYDRAULIC ANALYSIS -- SECTION B-B

ASSUMPTIONS: 70% IMPERVIOUS TO ALLOW FOR THRU LANES AND TURN LANES.
NO FLOW FROM SCHOOL SITE.
 $n=0.017$
 $s=0.0050$ (1/2%)
 $Q_0=6.1$ cfs

PER FLOWMASTER: $Y_{10}=0.34$ ft
 $V_{10}=2.1$ fps
width=17 ft (LEAVES 14 ft FREE DRIVING LANE)
 $F=0.91$ (SUBCRITICAL)

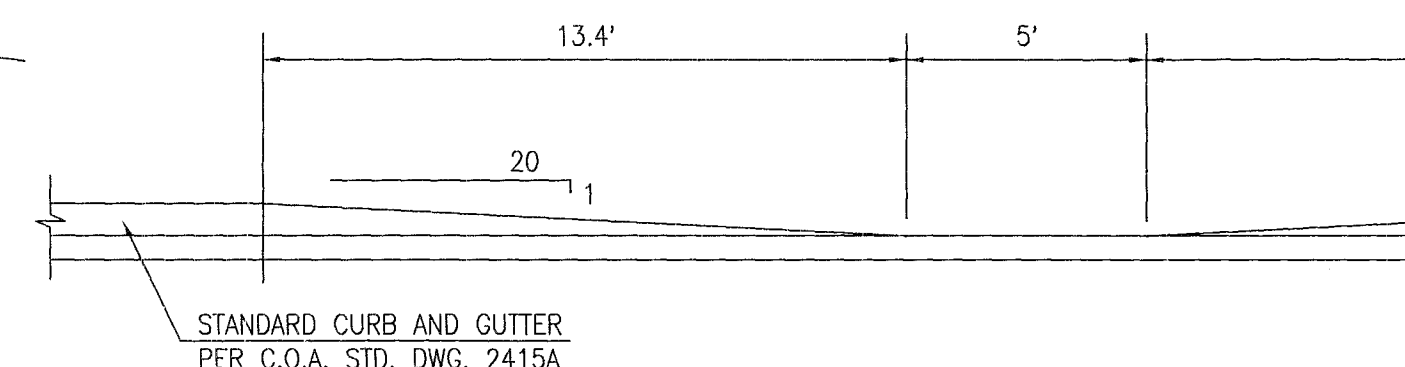
SECTION B-B (MATCHES PAVEMENT SECTION FROM CPN 766981)

SCALE: 1" = 5'-0"



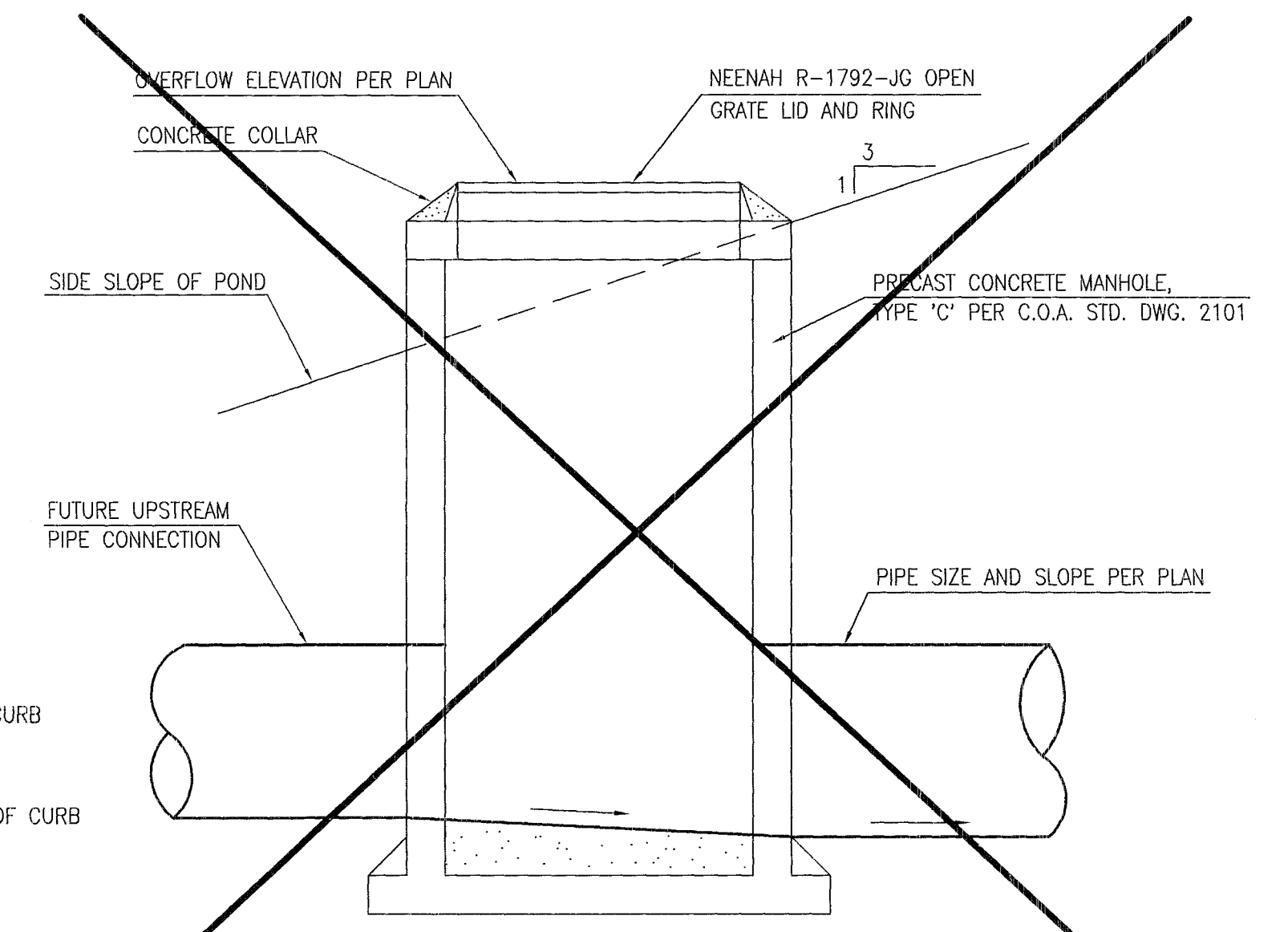
SECTION C-C

HORIZ: 1" = 20'
VERTICAL: 1" = 5'



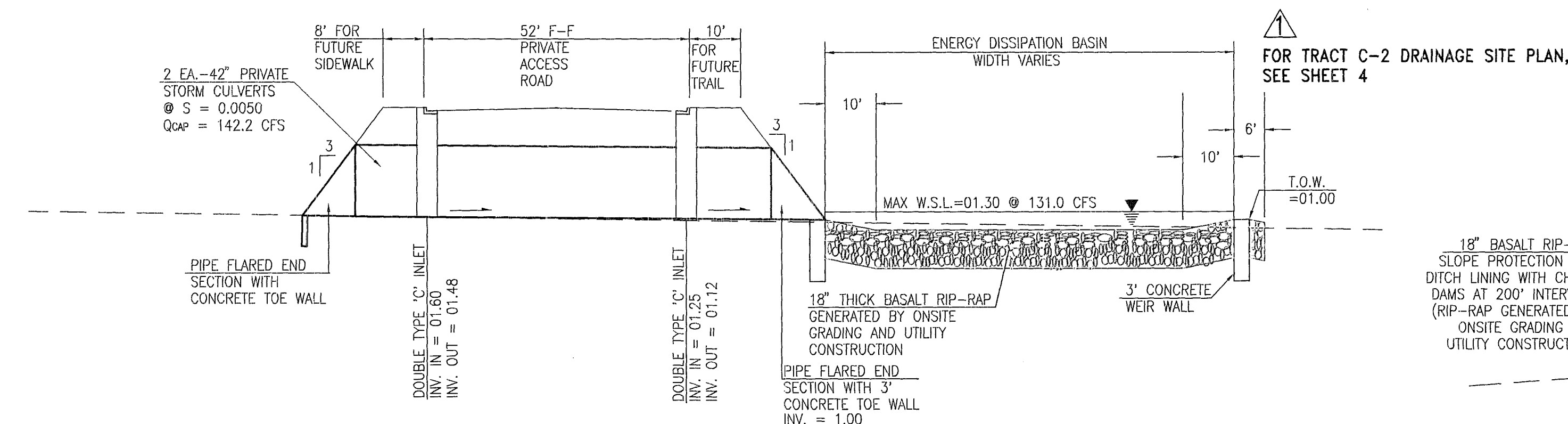
TYPICAL CURB OPENING PROFILE

SCALE: 1" = 4'-0"



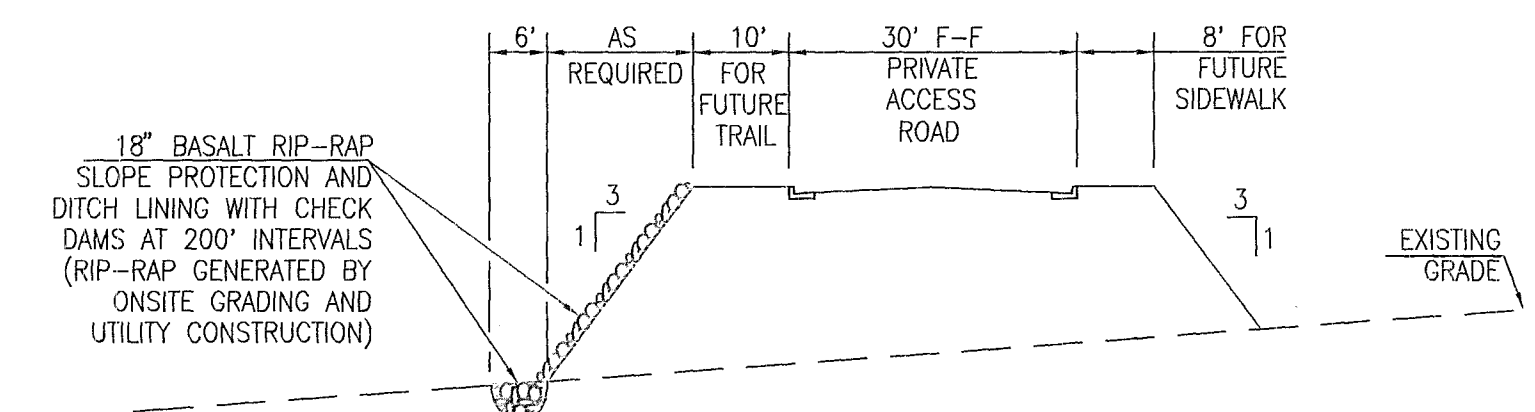
TYPICAL POND OVERFLOW STRUCTURE

SCALE: 1" = 2'-0" (DELETED)



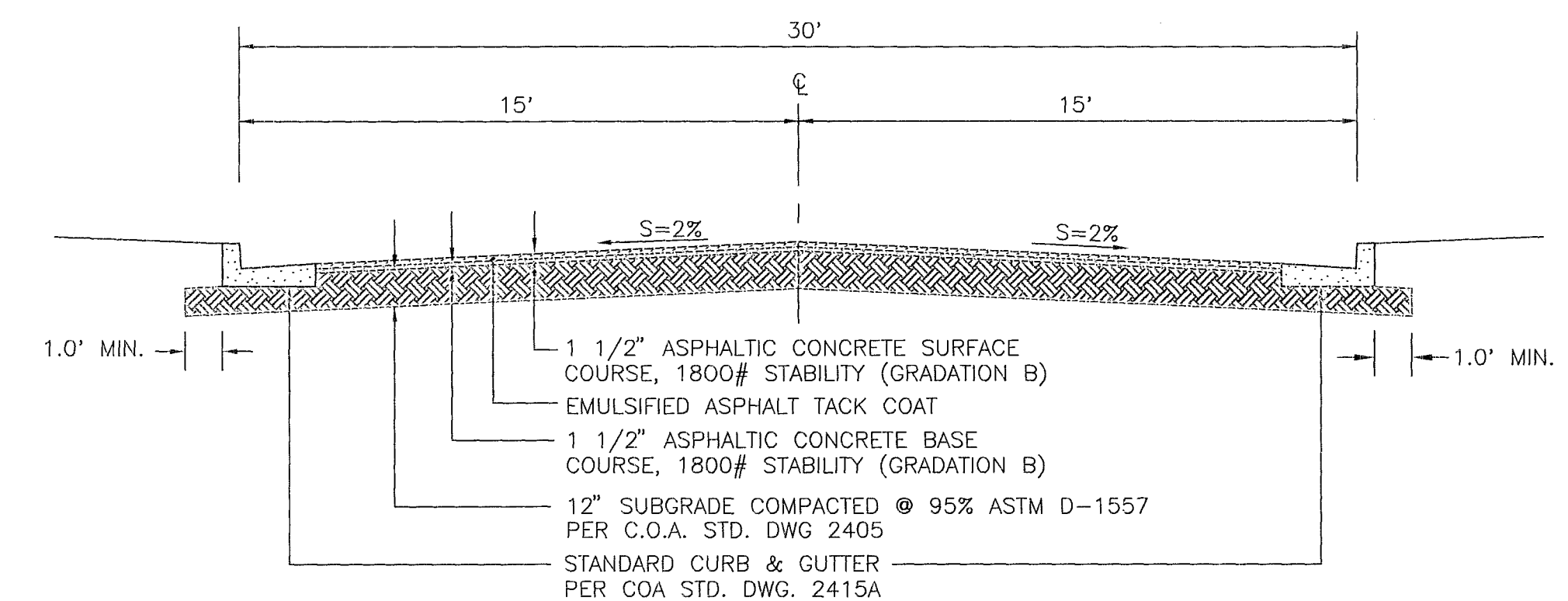
SECTION D-D

HORIZ: 1" = 20'
VERTICAL: 1" = 5'



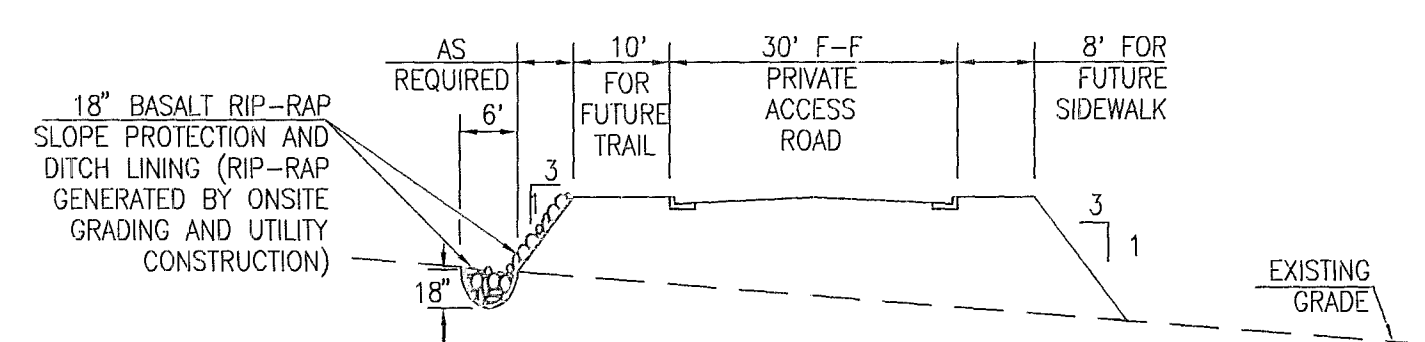
SECTION F-F

HORIZ: 1" = 20'
VERTICAL: 1" = 5'



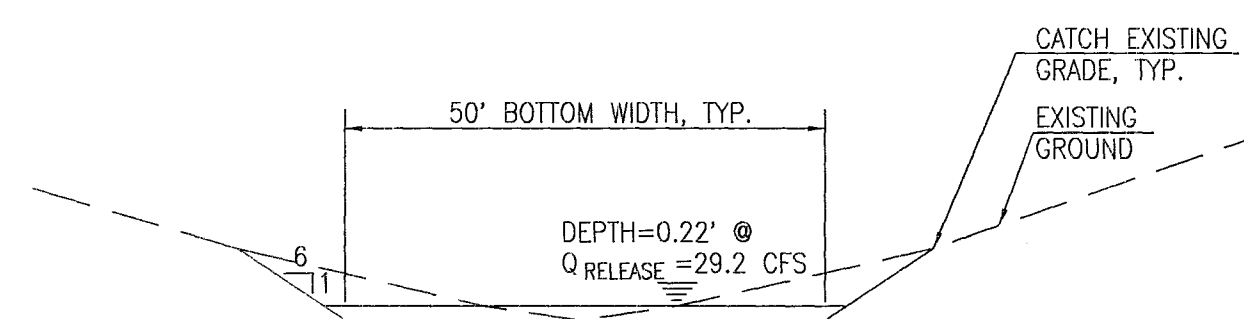
TYPICAL PERIMETER ROAD-SECTION A-A

SCALE: 1" = 4'-0"



SECTION E-E

HORIZ: 1" = 20'
VERTICAL: 1" = 5'



SECTION G-G (AP-5)

SCALE: 1" = 20' (HORIZ.)
1" = 20' (VERT.)

HIGH MESA Consulting Group

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MASTER DRAINAGE PLAN SECTIONS AND HYDRAULIC CALCULATIONS TRACTS C-1 AND C-2, ANCIENT MESA

DESIGNED BY	NO.	DATE	BY	REVISIONS	JOB NO.
G.R.B.	10/07	10/07	G.R.B.	REVISE FOR FINAL PLAT APPROVAL; ADD SECTION G-G	2006.187.6
RRW	12/07	12/07	G.R.B.	REVISE MASTER DRAINAGE REPORT (SHEET 1)	07-2007
J.G.M.					3 OF 34

12-19-2007
10-17-2007
08-17-2007
JEFF MORTENSEN & ASSOCIATES, INC.
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8547
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