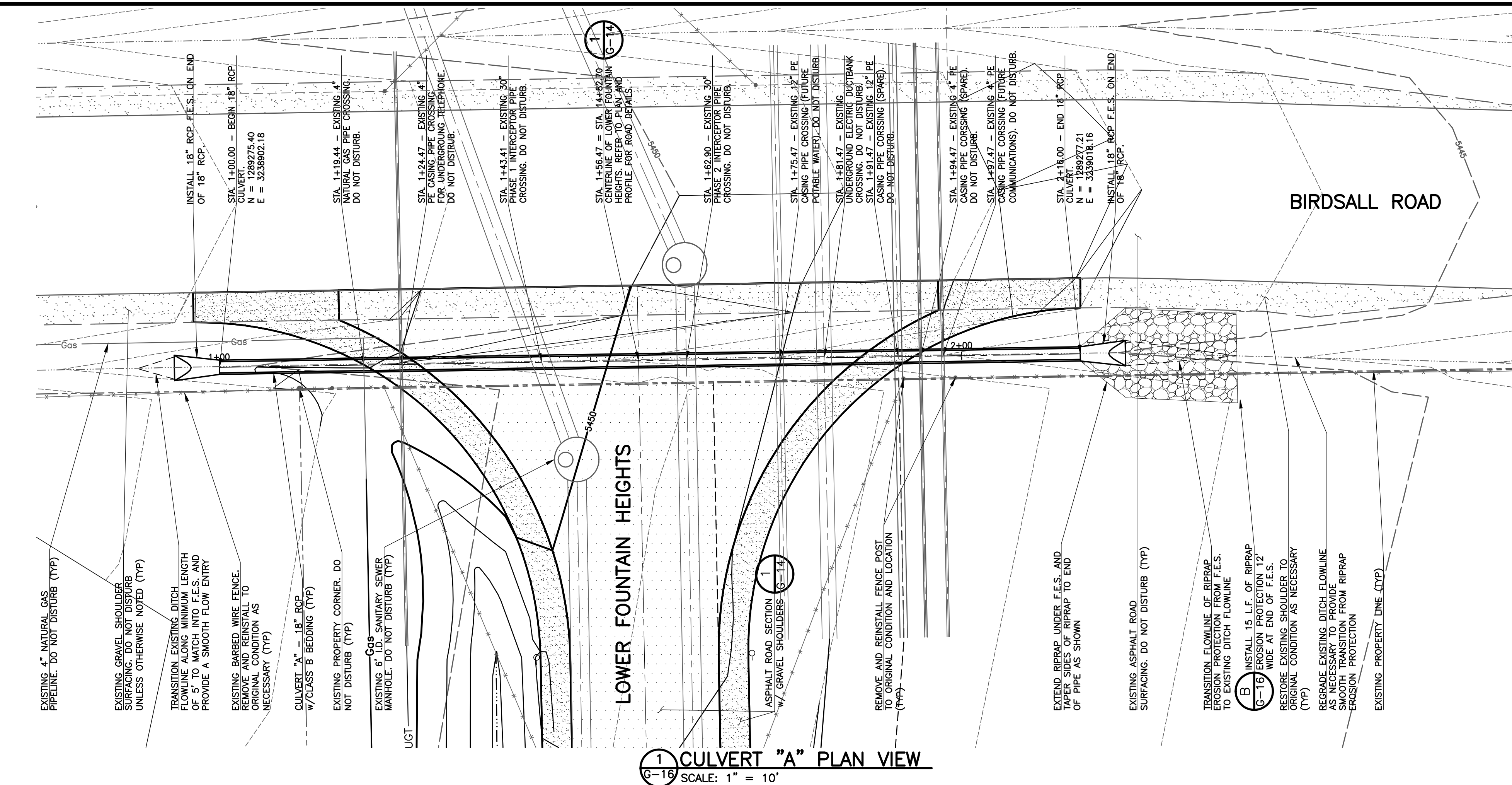
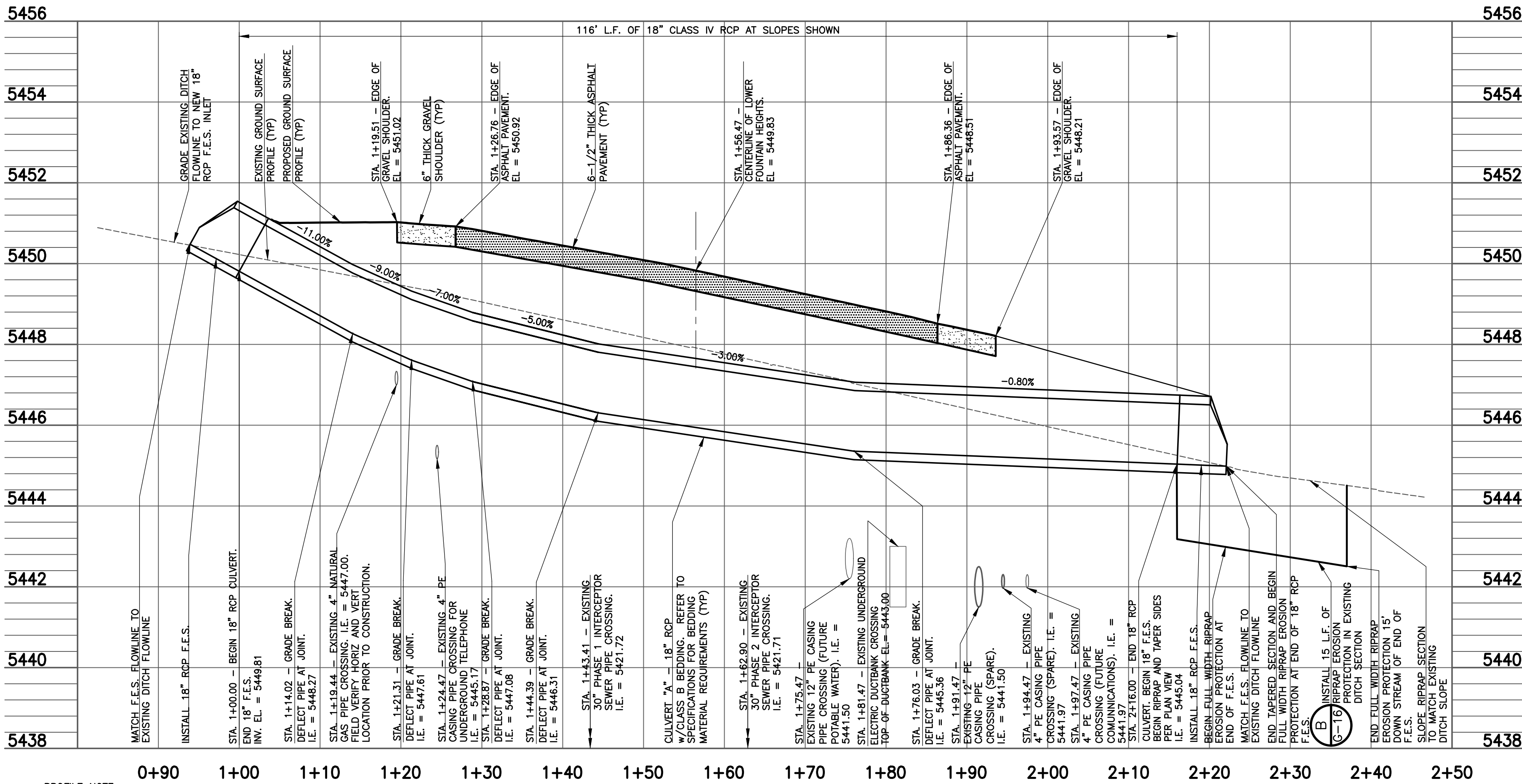


G:\ANSI2010\DWG\07\G16\G16B.dwg, 24:06, 05/20/11 10:45:59 AM, \$C: DWG TO PLOT (V3, 1, 1)



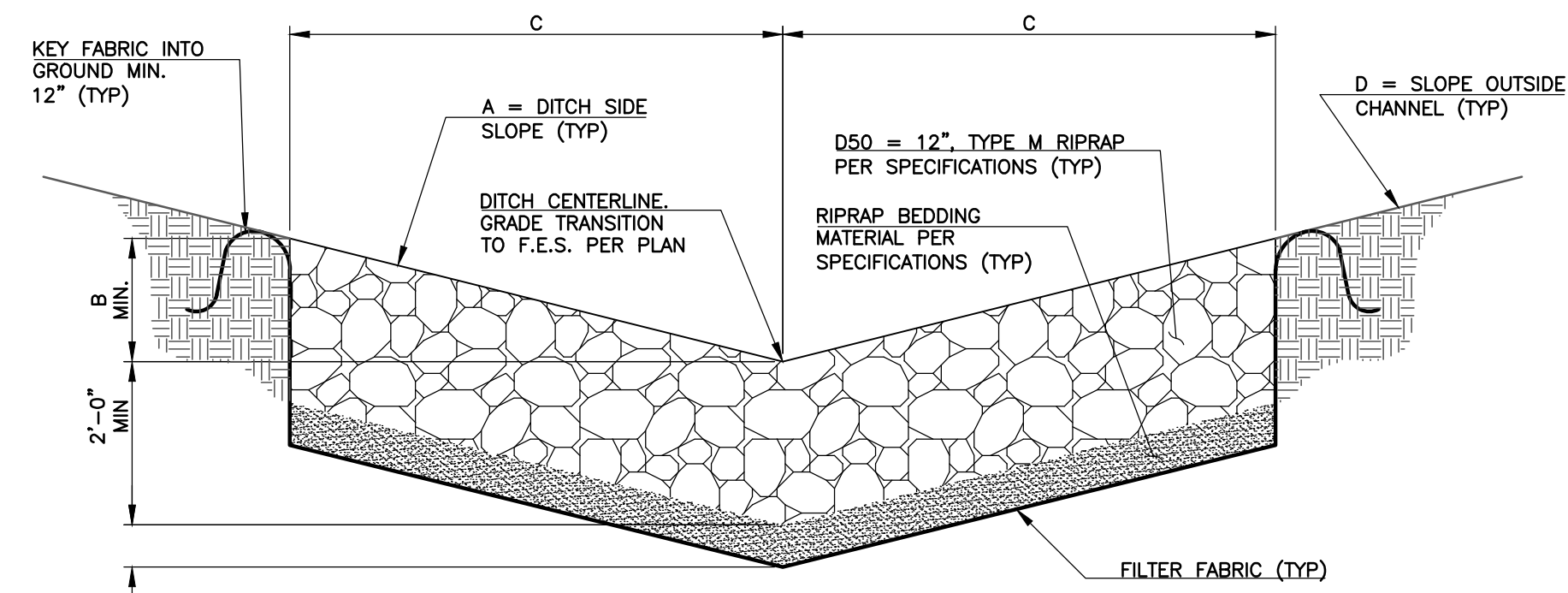
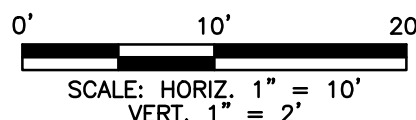
1 CULVERT "A" PLAN VIEW
SCALE: 1" = 10'



A CULVERT "A" PROFILE
SCALE: HORIZ. 1" = 10' VERT. 1" = 2'

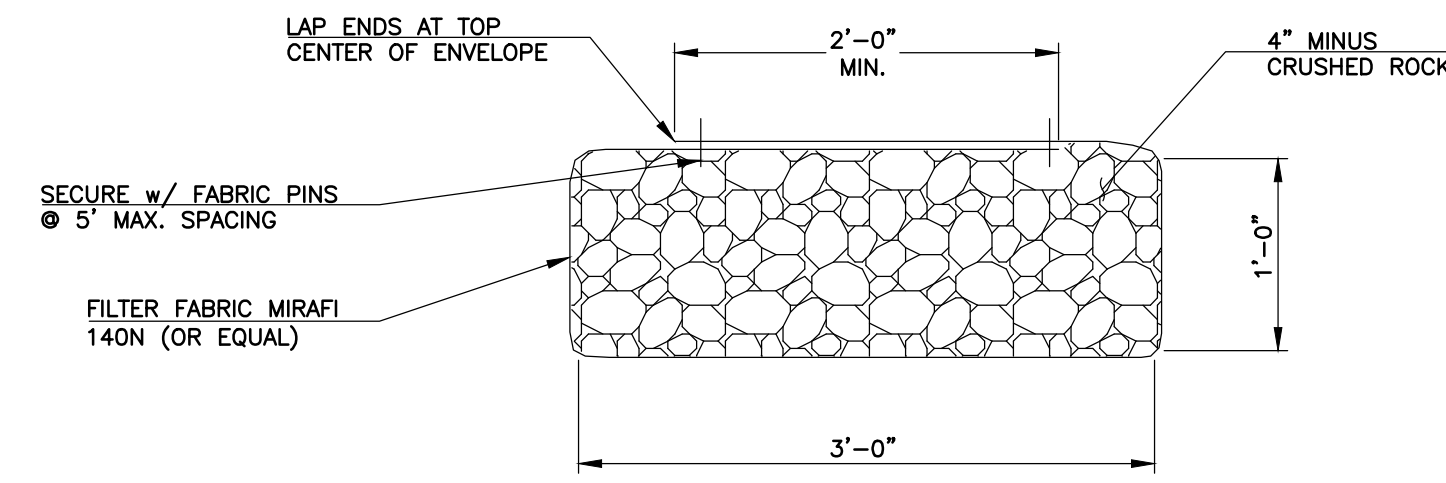
PROFILE NOTE:

- ALL GRADE BREAKS SHOWN ARE INTENDED TO BE LOCATED AT PIPE JOINTS. ADJUST STATIONING OF GRADE BREAKS AS NECESSARY TO ENSURE THEY OCCUR AT PIPE JOINTS.
- PROVIDE ADDITIONAL SEALANT/MASTIC AT ALL DEFLECTED PIPE JOINTS IN ADDITION TO SPECIFIED PIPE GASKETS TO ENSURE A COMPLETELY WATERTIGHT SEAL THAT WILL NOT LEAK OR ALLOW EXFILTRATION IN ANY WAY.
- THE MAXIMUM DESIGN JOINT DEFLECTION FOR THIS PIPE IS 2.20% WHICH PRODUCES A MAXIMUM JOINT GAP OF 0.49 INCHES. THE MAXIMUM JOINT GAP RECOMMENDED BY THE GASKETED PIPE MANUFACTURER IS 1.125 INCHES. THE DESIGN MAXIMUM JOINT GAP IS ONLY 43% OF THE MANUFACTURER'S MAXIMUM RECOMMENDATION. THE DESIGN PROVIDES AN ADDITIONAL FACTOR OF SAFETY ABOVE AND BEYOND THAT OF THE MANUFACTURER.



B RIPRAP SECTION
SCALE: 1/2" = 1'-0"

- NOTE:
- DETAILED DIMENSIONS ARE AS FOLLOWS:
- | | A | B | C | D |
|-------------|-----|-------|-------|----------------------|
| CULVERT "A" | 4:1 | 1'-6" | 6'-0" | 4:1 (MATCH EXISTING) |
| CULVERT "B" | 3:1 | 2'-0" | 6'-0" | PER GRADING PLANS |



C ROCK DRAIN DETAIL
SCALE: 1" = 1'-0"

- NOTE:
- REFER TO SHEET G-13 FOR DETAILS ON CONNECTING TO EXISTING ROCK DRAIN.

REVISIONS		
NO.	DATE	DESCRIPTION
1	09/22/2010	REVISED AND RESUBMITTED PER EL PASO COUNTY DEVELOPMENT SERVICES COMMENTS
2	10/18/2010	RESUBMITTED TO EPC DEVELOPMENT SERVICES
3	10/29/2010	ISSUED FOR CULVERT CONSTRUCTION UNDER APPROVED EPC SITE DEVELOPMENT PLAN
4	12/21/2010	ISSUED FOR FOUNDATION PERMIT SUBMITTAL TO PPRBD (A-BASINS AND DIGESTERS)
5	01/07/2011	ISSUED FOR CONSTRUCTION PER PPRBD PERMIT #28254 (EPA ONLY)
6	01/28/2011	ISSUED FOR FOUNDATION PERMIT SUBMITTAL TO PPRBD (HEADWORKS BUILDING)
7	03/30/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (SECONDARY CLARIFIER COMPLEX)
8	06/20/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (HEADWORKS BUILDING)
9	07/28/2011	ISSUED FOR FOUNDATION PERMIT SUBMITTAL TO PPRBD (EQUIP. MANT. AND STD. BLDG.)
10	08/03/2011	ISSUED FOR CONSTRUCTION PER PPRBD BUILDING PERMIT #68510 (HEADWORKS BLDG.)

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CULVERT "A" PLAN AND PROFILE AND SECTIONS
HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN: MAM
DESIGNED: MAM
CHECKED: RJS
DATE: 2010
PROJECT NO.: 20166.307
GMS FILE NO.: 2599

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SHEET
G-16
OF
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