

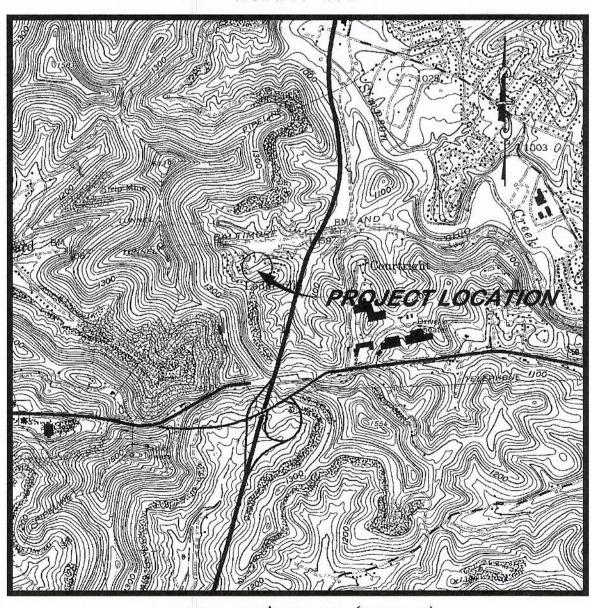
west virginia department of environmental protection

EARL RAY TOMBLIN, GOVERNOR RANDY C. HUFFMAN, CABINET SECRETARY OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

LODGEVILLE (POE) DS

AT BRIDGEPORT HARRISON COUNTY, WEST VIRGINIA

VICINITY MAP



USGS 7.5' QUAD (LOGAN)

	INDEX TO SHEETS		
SHEET NO.	DESCRIPTION		
2	EXISTING CONDITIONS AND TAX MAP OVERLAY		
3	RECLAMATION PLAN		
4	SEDIMENT CONTROL PLAN		
5	BASELINE "A" CROSS SECTIONS		
6	BASELINE "A" CROSS SECTIONS AND 4'x4' UNDERDRAIN PROFILE		
7	BASELINE "B" PROFILE AND CROSS SECTIONS, CHANNEL "B" PROFILE		
8	TYPICAL DETAILS (1)		
9	TYPICAL DETAILS (2)		
10	SEDIMENT CONTROL DETAILS		



APPROVED

LOCATION MAP

BID SCHEDULE

DESCRIPTION

STABILIZED CONSTRUCTION ENTRANCE (2 EA. 70 LF x 12' WIDTH)

CONSTRUCTION LAYOUT

TEMPORARY ACCESS ROAD STONE

DEMOLITION OF STRUCTURES AND REMOVAL

6' WIDE GROUTED ROCK RIP RAP "VEE" CHANNEL

GROUTED RIPRAP "VEE" CHANNEL ROAD CROSSING

12" STRAW WATTLES EROSION CONTROL

6' WIDE GRASS LINED "VEE" CHANNEL

UNDERDRAIN CONVEYANCE PIPE

PIEZOMETER ABANDONMENT

4' WIDE GRASS LINED SWALE UNCLASSIFIED EXCAVATION

GRAVEL ROAD REHABILITATION

SILT FENCE SEDIMENT CONTROL

SITE PREPARATION

ROCK CHECK DAM

3' X 3' UNDERDRAIN

TYPE "G" INLET

MOBILIZATION AND DEMOBILIZATION (LIMITED TO 10% OF TOTAL BID) LS

(LIMITED TO 5% OF TOTAL BID)

130 TONS

610 LF 1600 LF

505 LF

153 LF 70 LF

1 EA.

125 LF

5 VF

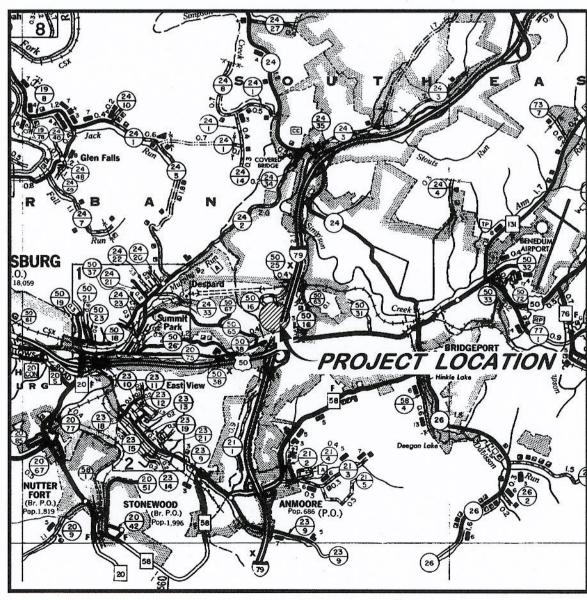
1 EA.

10,400 CY

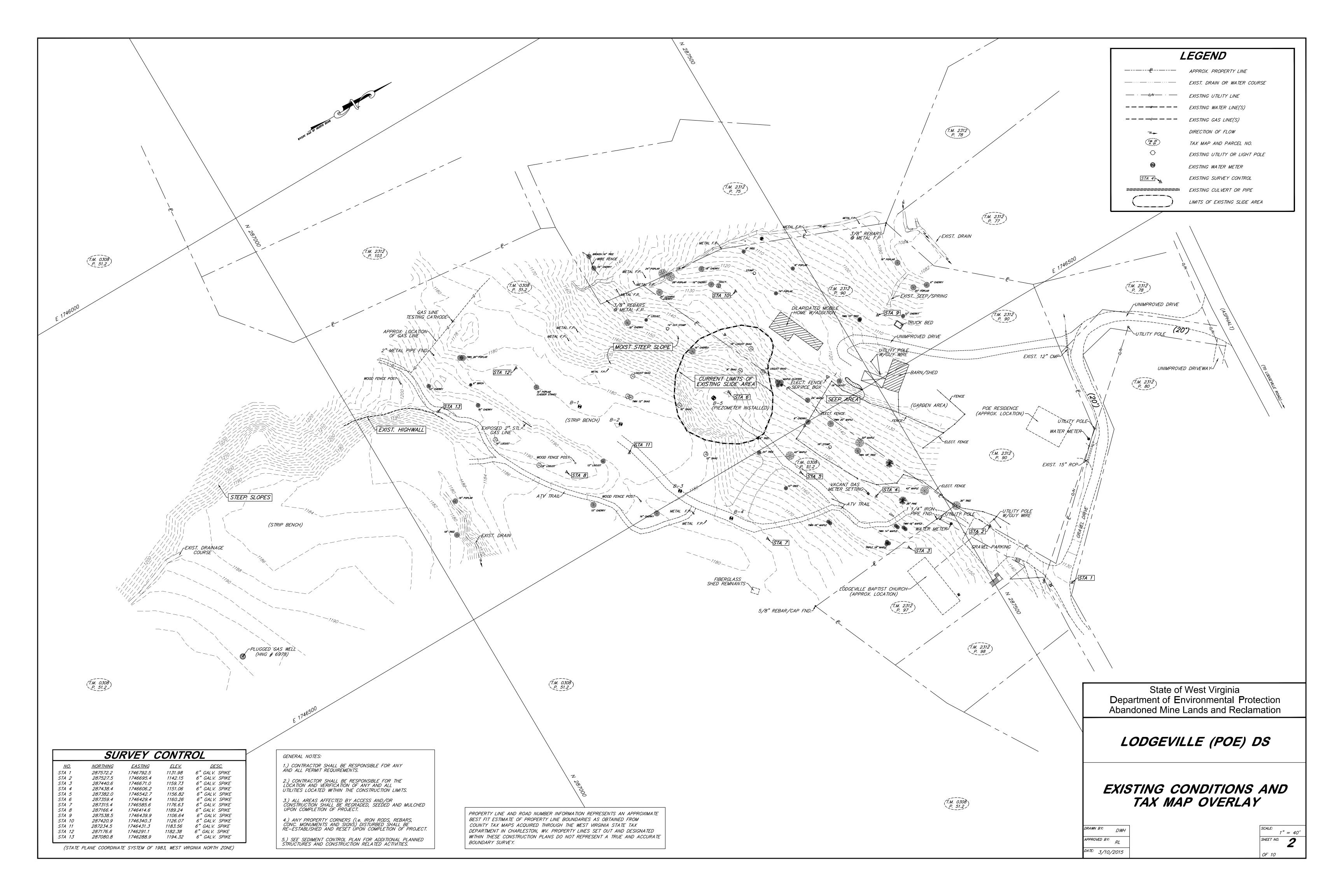
ITEM NO.

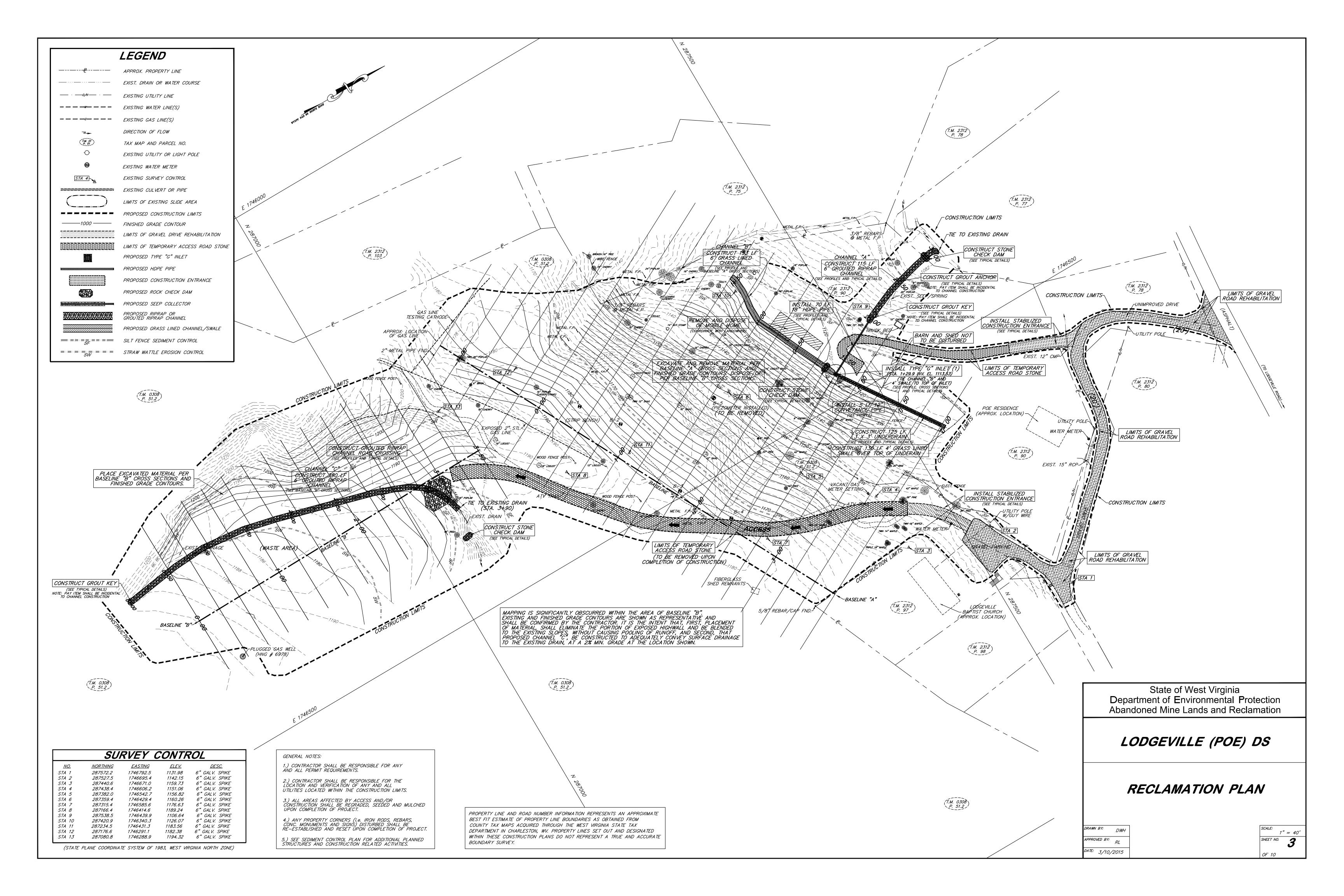
5.4

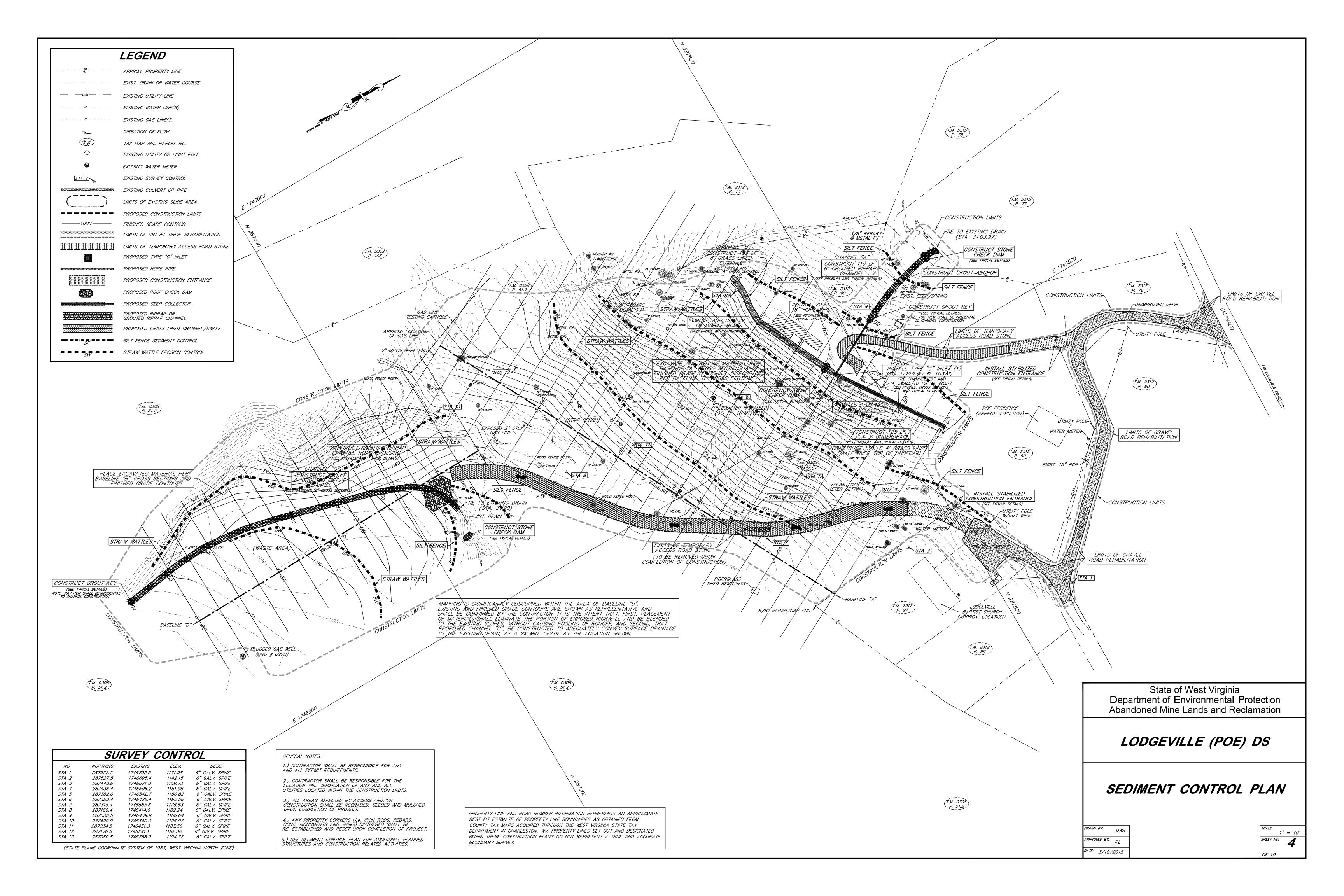
7.7

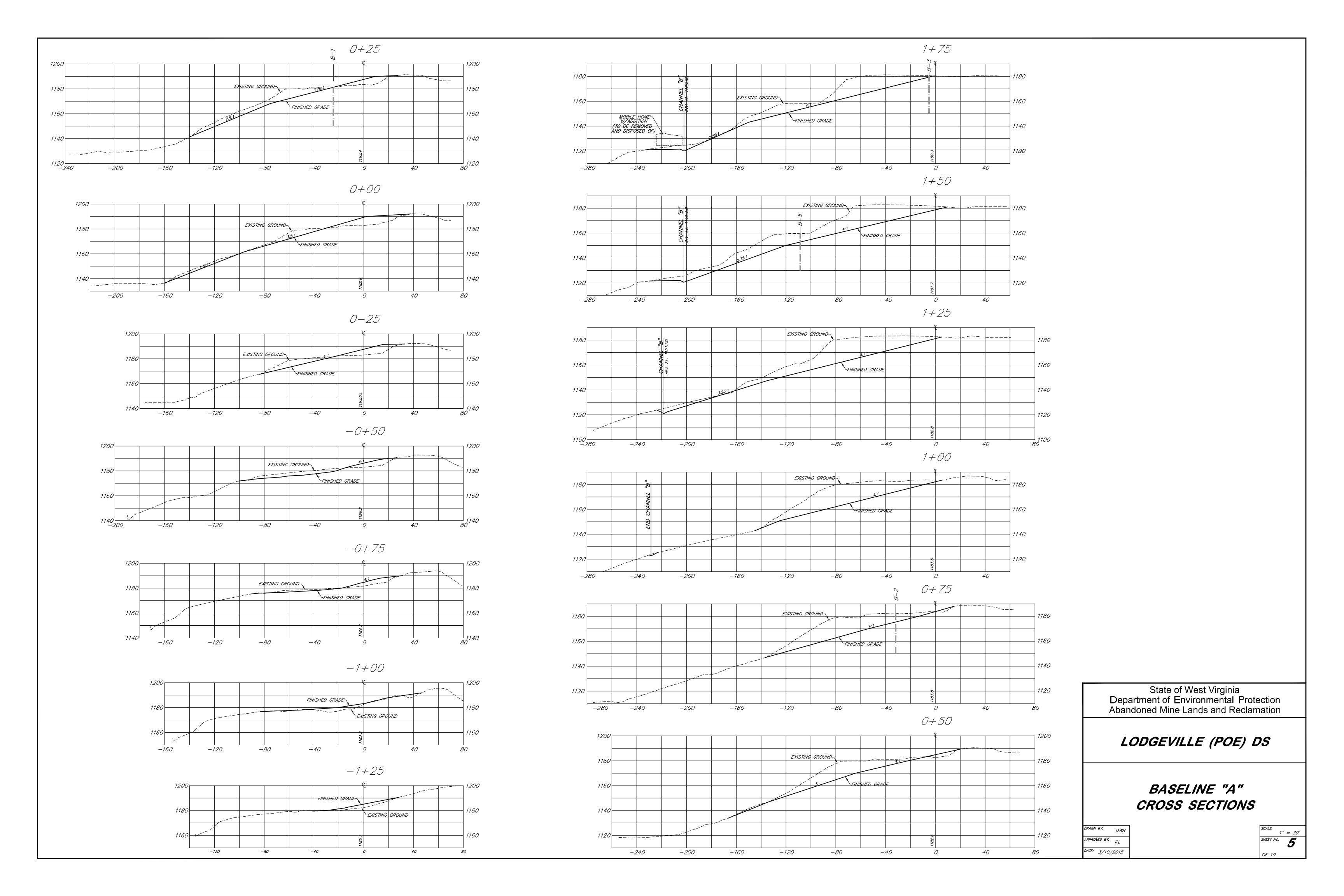


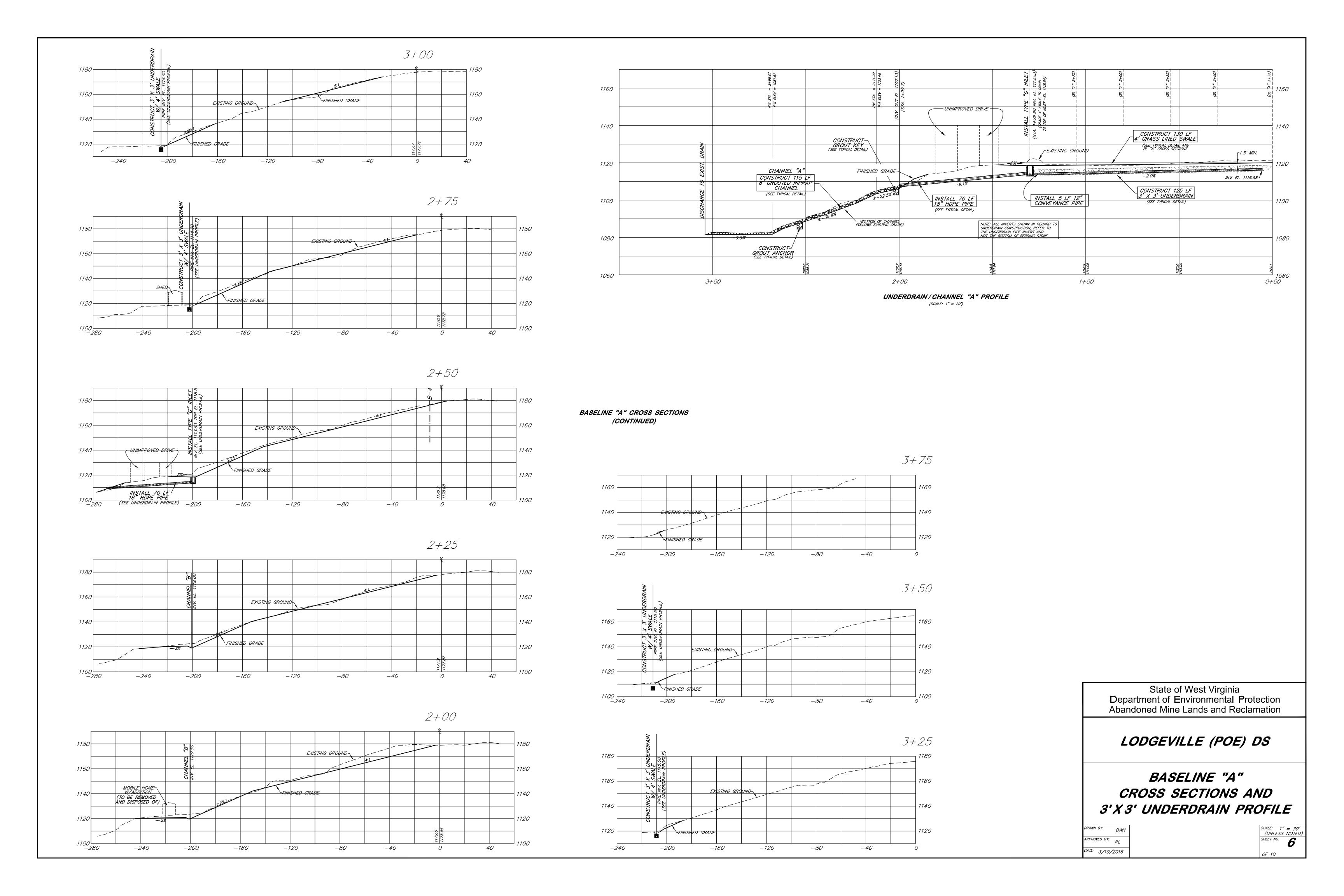
COUNTY HIGHWAY MAP, 1" = 1 MI.

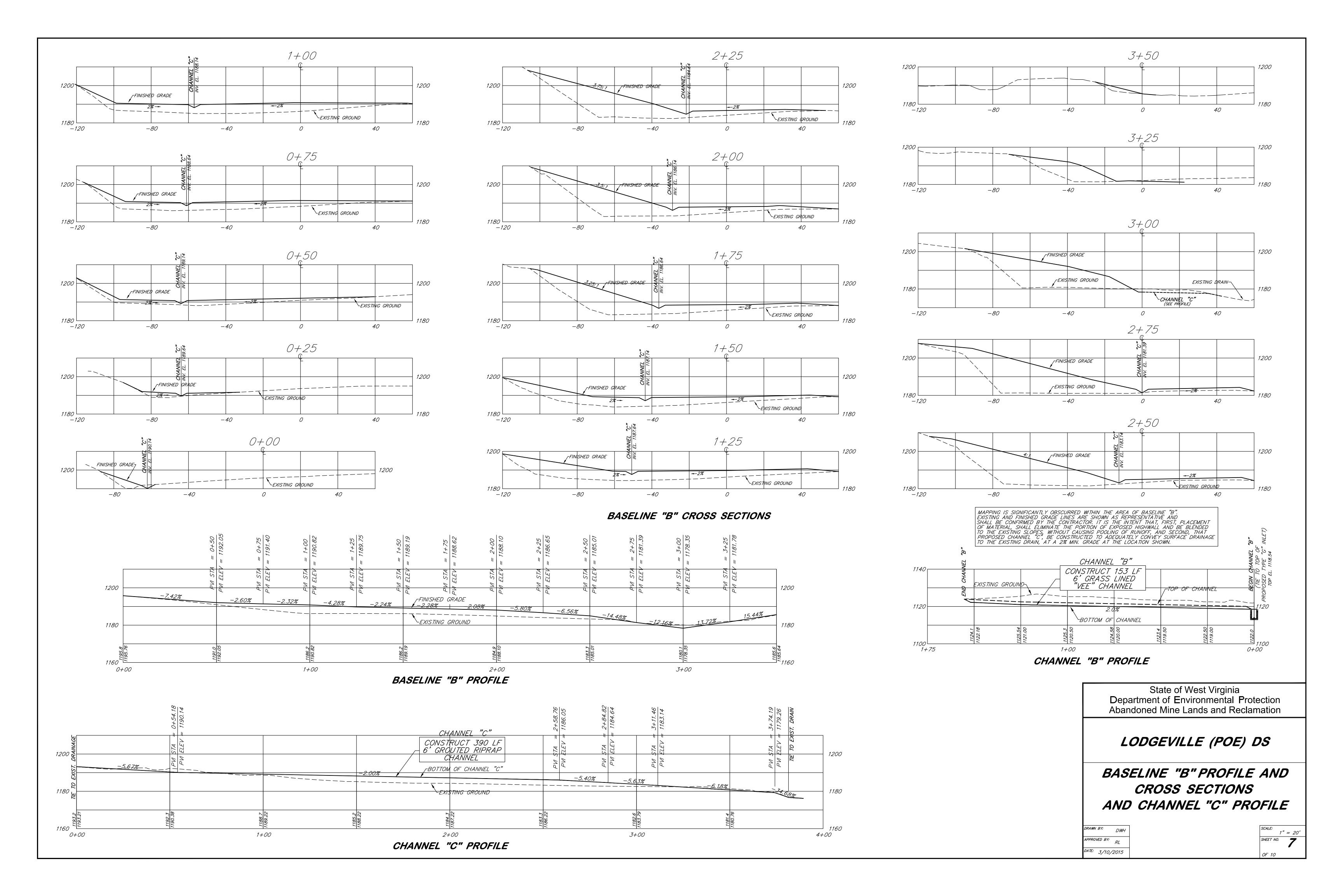












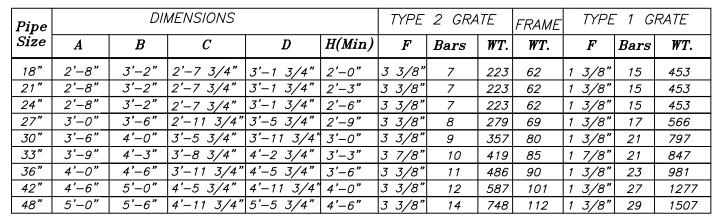
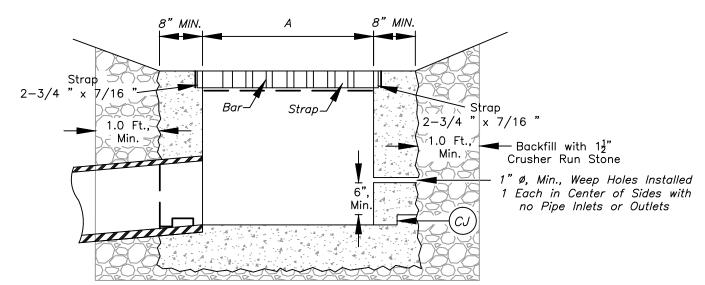
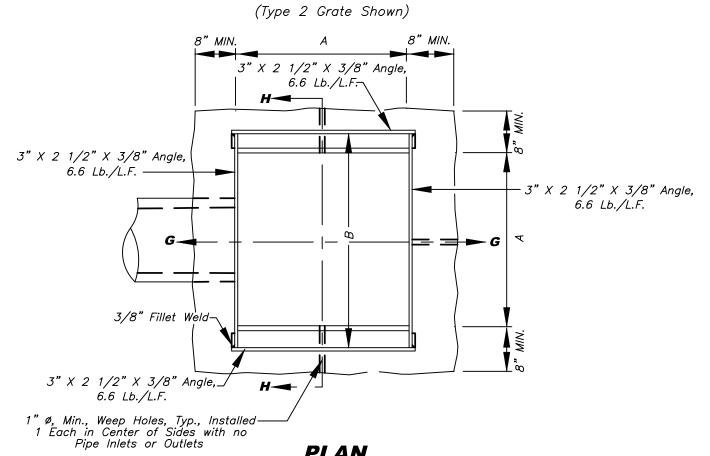


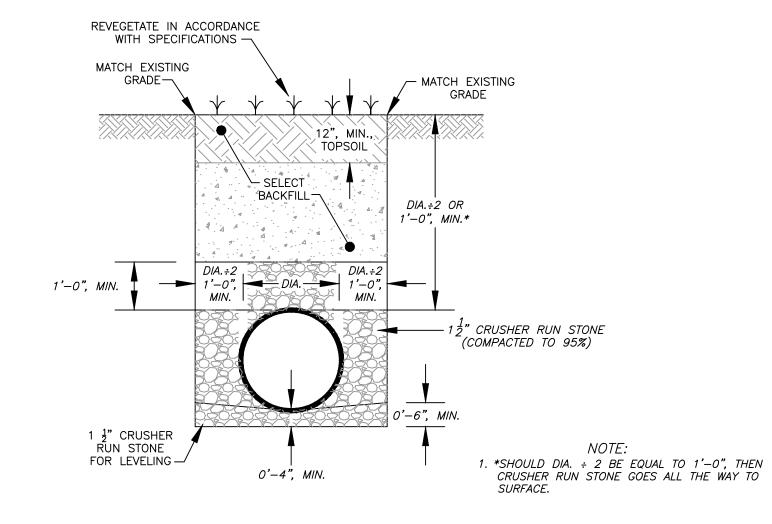
Table Note: Grate and frame weights are for information only and will increase if larger straps and bars are used. The following substitutions in dimensions shall be acceptable for fabricating the grate and frame: Bar Depth: 3" Strap Thickness: 1/2" Strap Depth: 3"

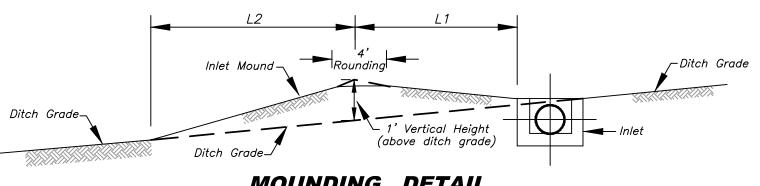
INLET MOUNDING TABLE				
DITCH GRADE (%)		L1, HORIZONTAL LENGTH	L2, HORIZONTAL LENGTH	
FROM	TO	(FT.)	(FT.)	
0	3	10	15	
3	5	9	20	
5	7.5	8	40	
7.5	UP	SPECIAL DESIGN	SPECIAL DESIGN	



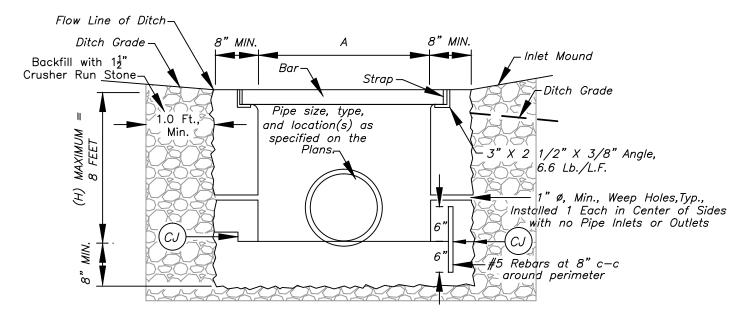
SECTION G-G



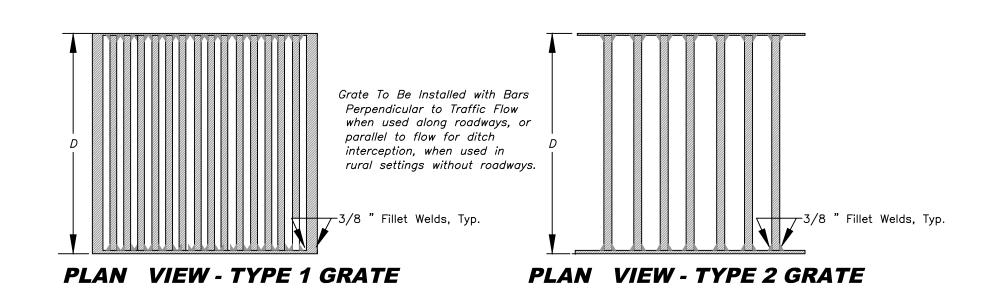


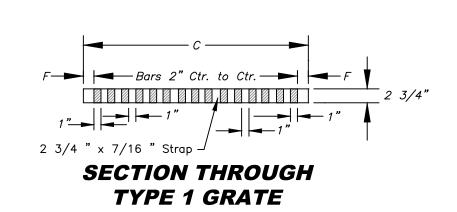


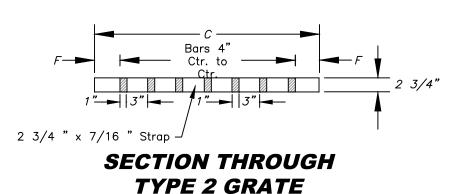
MOUNDING DETAIL Median and Side Ditches



SECTION H-H

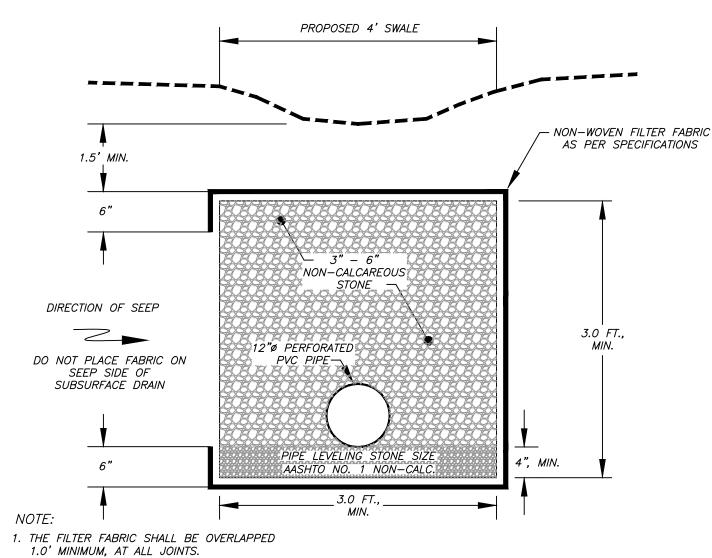






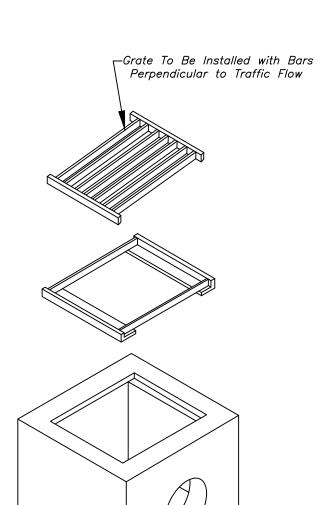
(USE GRATE TYPE 2 INSTALLATION FOR THIS PROJECT)

TYPE "G INLET

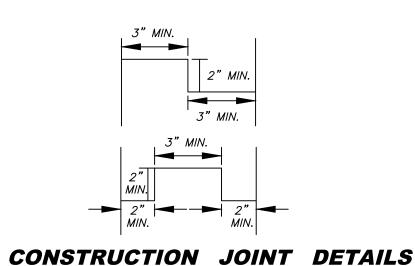


UNDERDRAIN DETAIL

3' x 3' UNDERDRAIN

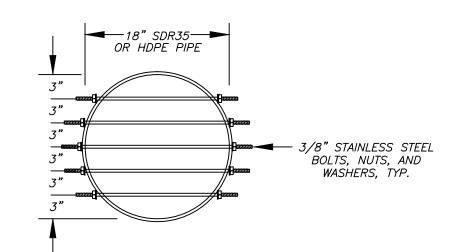


EXPLODED DETAIL

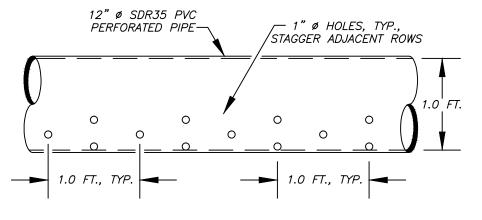


NOTES:

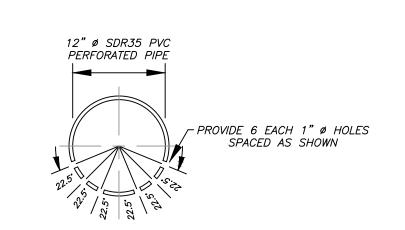
- 1. The final installed top surface of inlet and grate shall be flush with adjacent finished surfaces such as pavement, gutters, curbs, and sidewalks. Top of grate elevation, if shown on the plans, is for information
- 2. Construction may be cast—in place, precast in one or multiple sections, or any combination of cast—in—place and precast.
- 3. Type 2 Grate shall be used at all locations unless otherwise specified on the Plans. Type 1 Urban Grates shall be used only at specially designated locations as shown on the plans.
- 4. The Contractor, at his option, may omit use of the frame by forming a ledge in the concrete.
- 5. Special care shall be exercised in forming the 2" wide concrete ledge to provide a smooth, even surface for supporting the grates if the shallow frame is not used. no projections shall exist on the bearing surfaces of the ledge or the grates, and the grates shall seat on the ledge without rocking.
- 6. The Mounding Detail as shown is not required when an inlet is placed in a sag.
- 7. Optional construction joints labeled CJ" may be roughened concrete, keyed or doweled as per the typical details shown herein or as approved by the Engineer. Non shrink grout meeting the requirements of subsection 715.5 of the specifications may be used to a depth of 1/2" for leveling between precast sections. Thicker depths will be allowed as per the manufacturer's recommendations.
- 8. This inlet is to be installed in roadside or median ditches only. It is not to be placed adjacent to pavement or in the gutter pan of combination curb and gutter.
- 9. The minimum distance from the top of any pipe opening to any construction joint above the opening shall be four (4) inches.
- 10. The number and location of pipe openings shall be as shown in the plans. The contractor at no additional cost, shall be responsible for any temporary bracing required to transport precast inlet sections due to multiple openings.



18" PIPE ANIMAL GUARD CROSS SECTION, TYP.



UNDERDRAIN PIPE LONGITUDINAL VIEW, TYP.



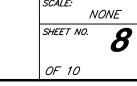
UNDERDRAIN PIPE CROSS SECTION, TYP.

State of West Virginia Department of Environmental Protection Abandoned Mine Lands and Reclamation

LODGEVILLE (POE) DS

TYPICAL DETAILS (1)

APPROVED BY: DATE: 3/10/2015



PIPE TRENCH - VEGETATED SURFACE

