

CHANNEL DRAINAGL TYPICAL

SHEET NO.

USGS 7.5' QUAD (RACINE)



# west virginia department of environmental protection

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



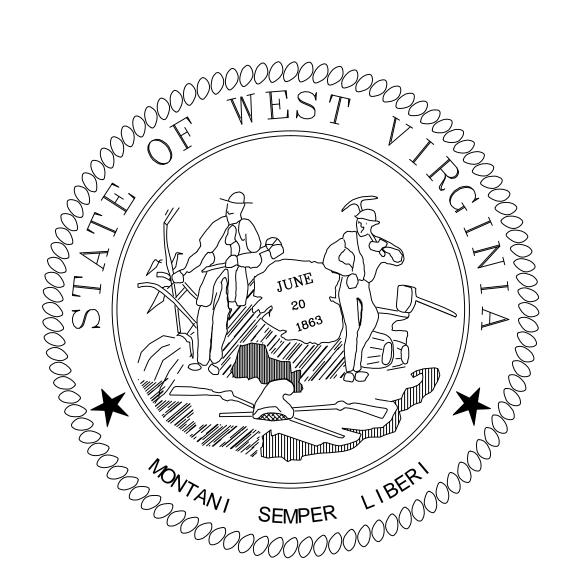
# NEAR BLOOMINGROSE BOONE COUNTY, WEST VIRGINIA

INDEX TO SHEETS
DESCRIP TION
EXISTING CONDITIONS AND TAX MAP OVERLAY
RECLAMATION AND SEDIMENT CONTROL PLAN
CHANNEL AND UNDERDRAIN PROFILES AND DETAILS
DRAINAGE DETAILS
TYPICAL DETAILS

	BID SCHEDULE
ITEM NO.	DESCRIPTION
1.0	MOBILIZATION AND DEMOBILIZATION (LIMITED TO 10% OF TOTAL L
2.0	CONSTRUCTION LAYOUT (LIMITED TO 5% OF TOTAL )
3.0	QUALITY CONTROL (LIMITED TO 3% OF TOTAL E
4.0	SITE PREPARATION (LIMITED TO 10% OF TOTAL L
4.1	GRAVEL DRIVE REHABILITATION
5.1	SILT FENCE SEDIMENT CONTROL
<i>5.2</i>	STABILIZED CONSTRUCTION ENTRANCE (1 @ 70 LF x 12' WIDTH)
6.0	REVEGETATION
7.1	1' GRASS LINED CHANNEL
7.2	TYPE "G" DROP INLET
7.3	CLEAN OUT
7.4	18" HDPE PIPE
7.5	PIPE TRENCH
7.6	4' X 4' UNDERDRAIN (12" PVC SDR-35)
7.7	12" PVC SDR-35 PIPE
7.8	RIPRAP LINED TRANSITION AND BASIN AREA
8.1	UNCLASSIFIED EXCAVATION

APPROVED

DA TE



QUANTITY

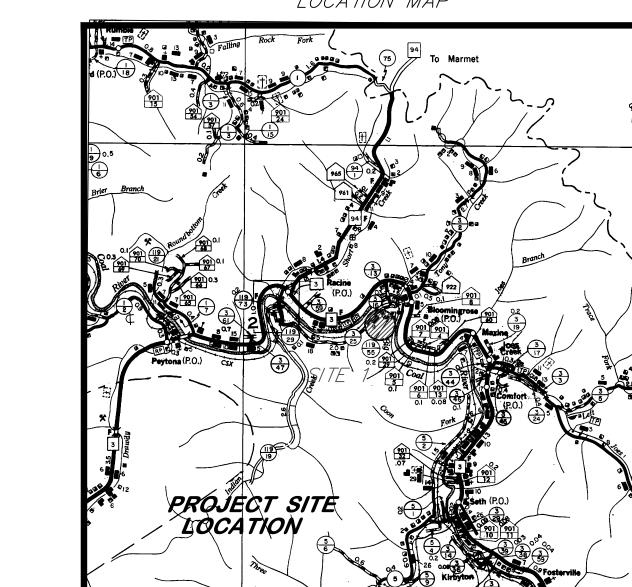
LS

?5 TONS 110 LF 25 TONS

LS 190 LF

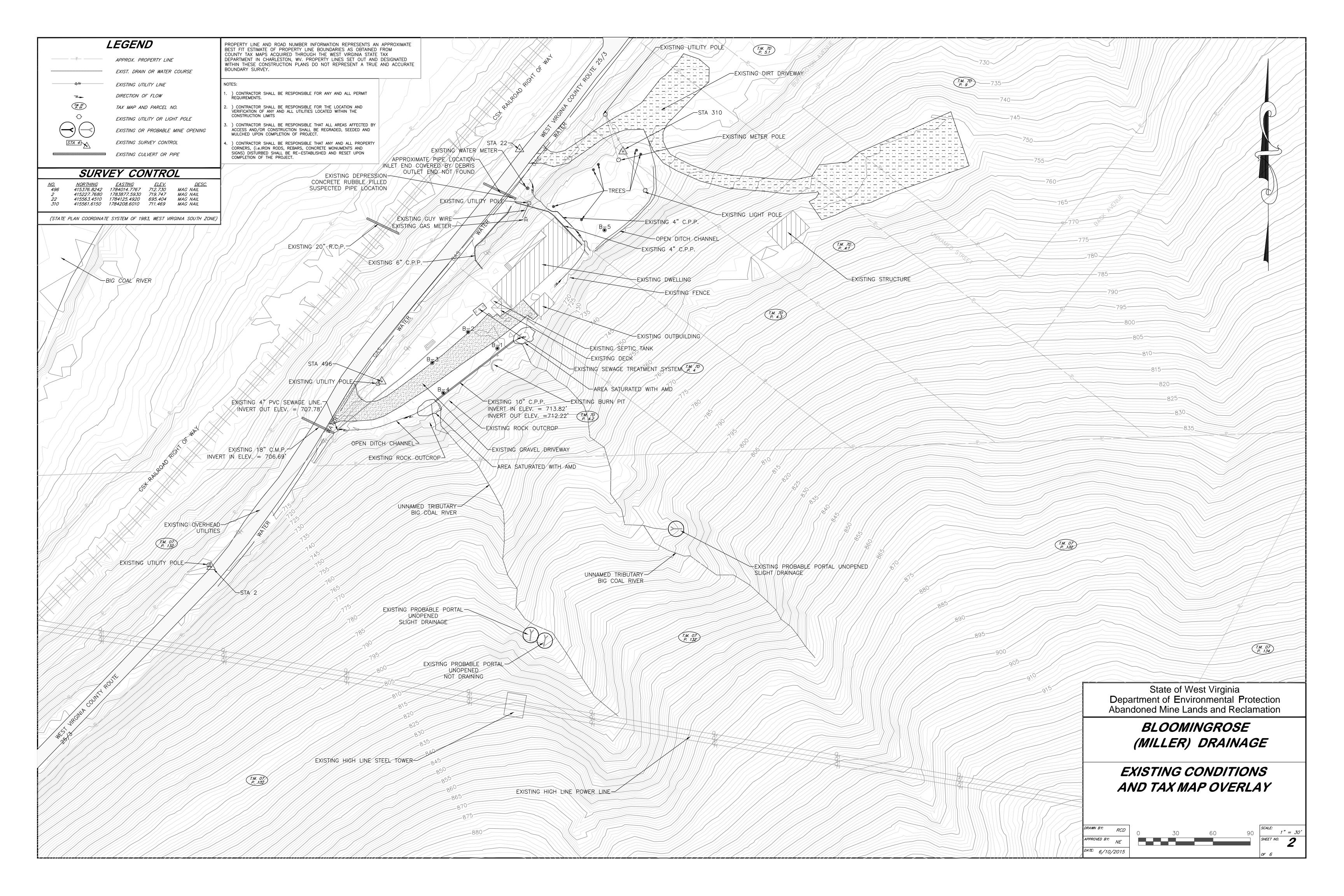
1 EA. 1 EA.

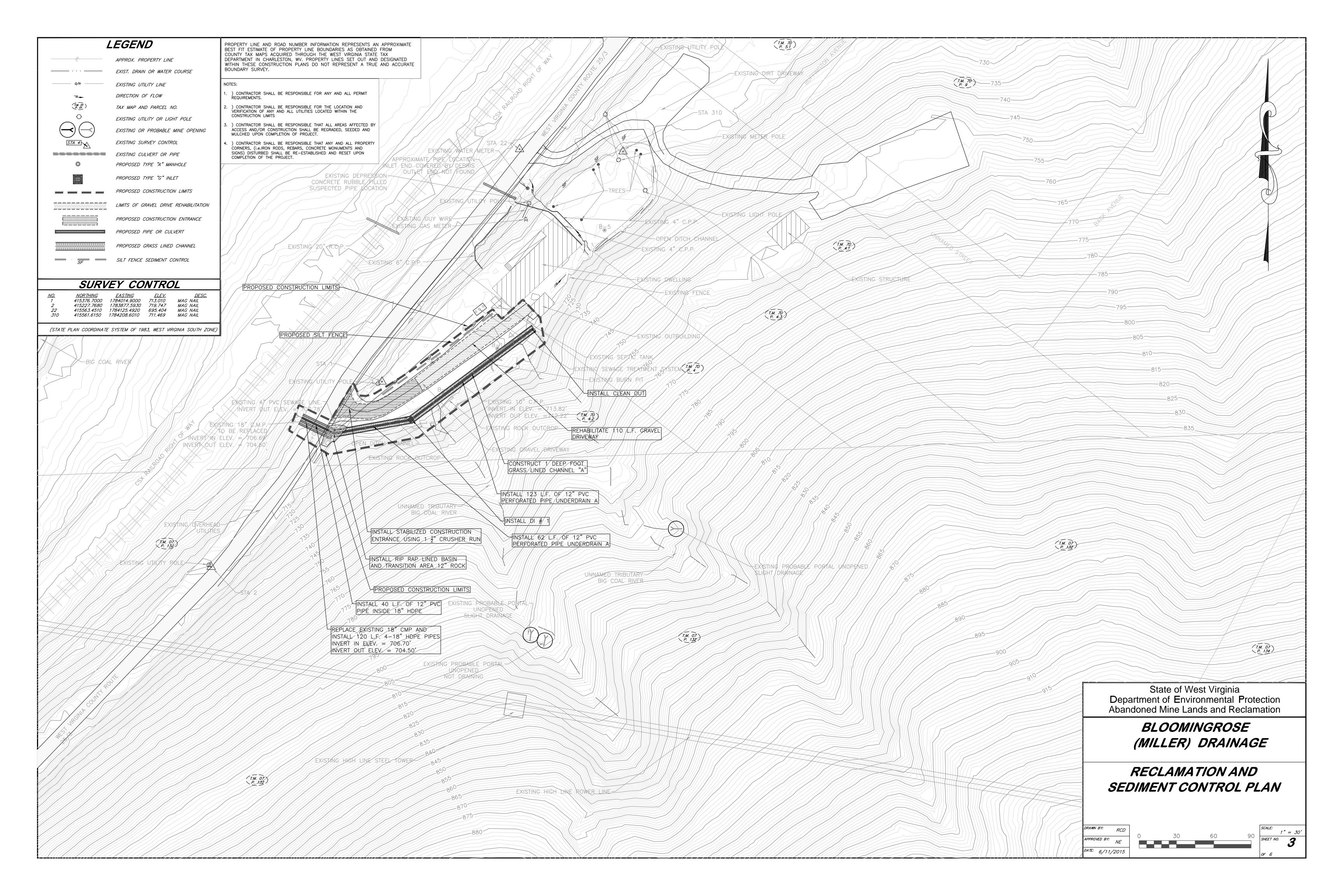
120 LF LS 190 LF 40 LF 11 CY LS

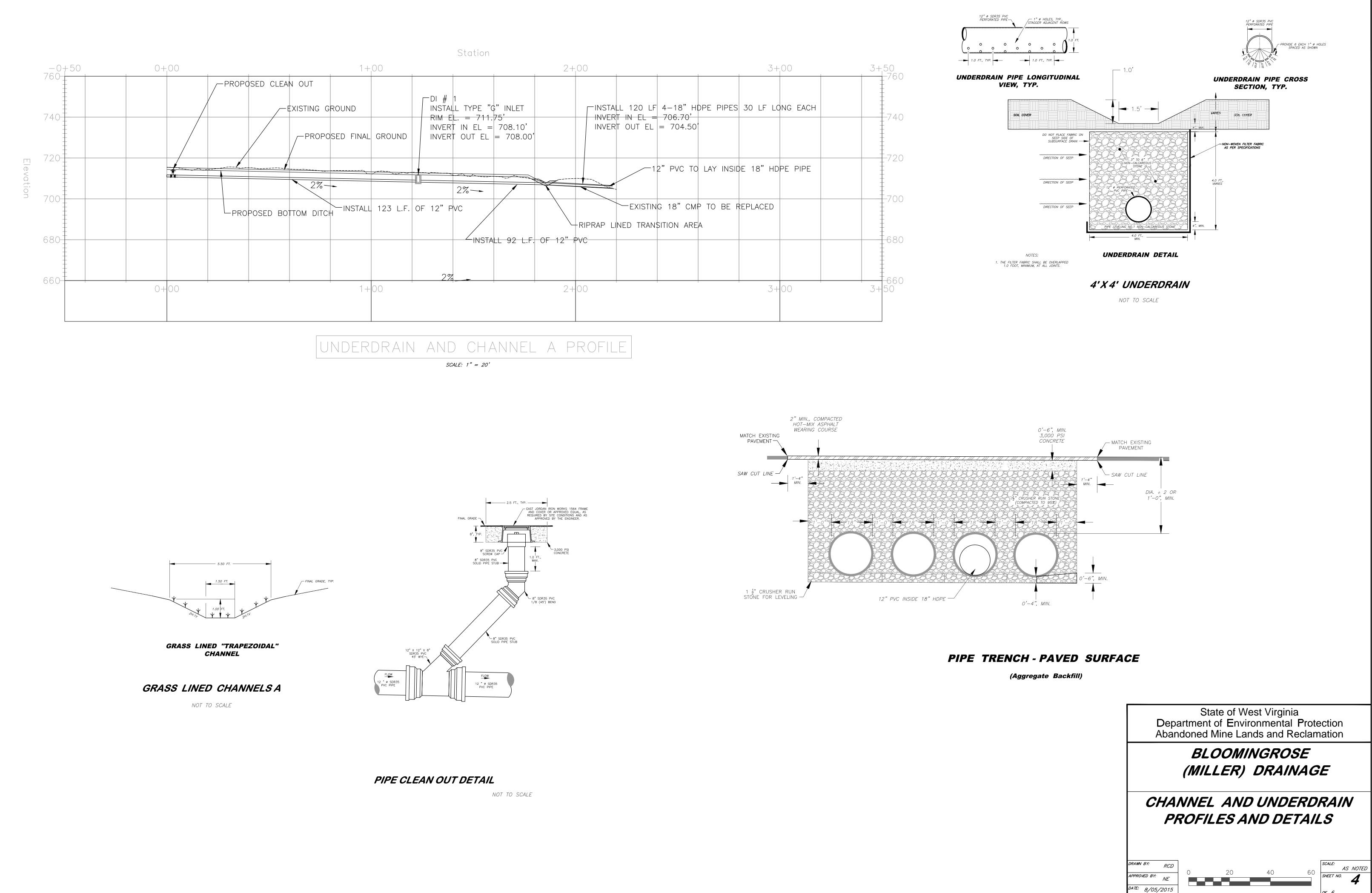


LOCATION MAP

COUNTY HIGHWAY MAP , 1" = 1 MI.





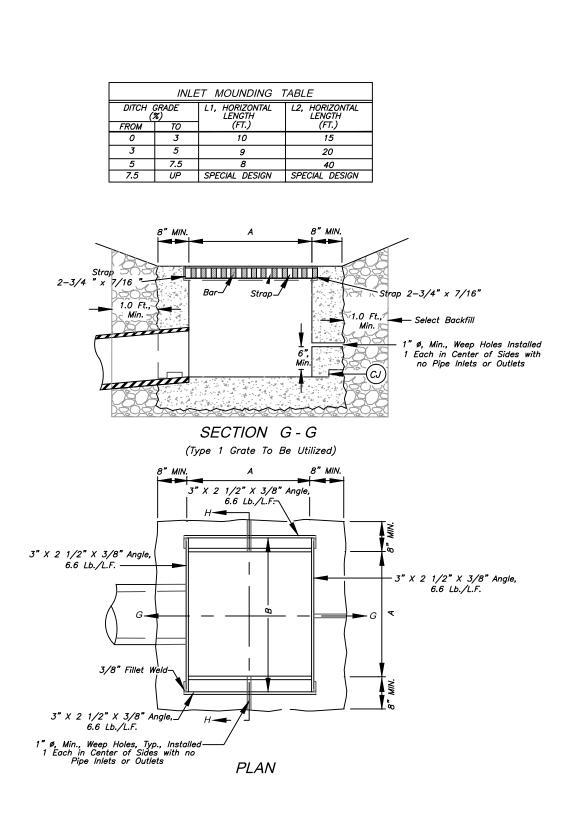


Pipe	DIMENSIONS				TYPE 2 GRATE			FRAME	TYPE 1 GRATE			
Size	A	B	С	D	H(Min)	F	Bars	WT.	WT.	F	Bars	WT.
12"	2'-8"	3'-2"	2'-7 3/4"	3'-1 3/4"	2'-0"	3 3/8"	7	223	62	1 3/8"	15	453

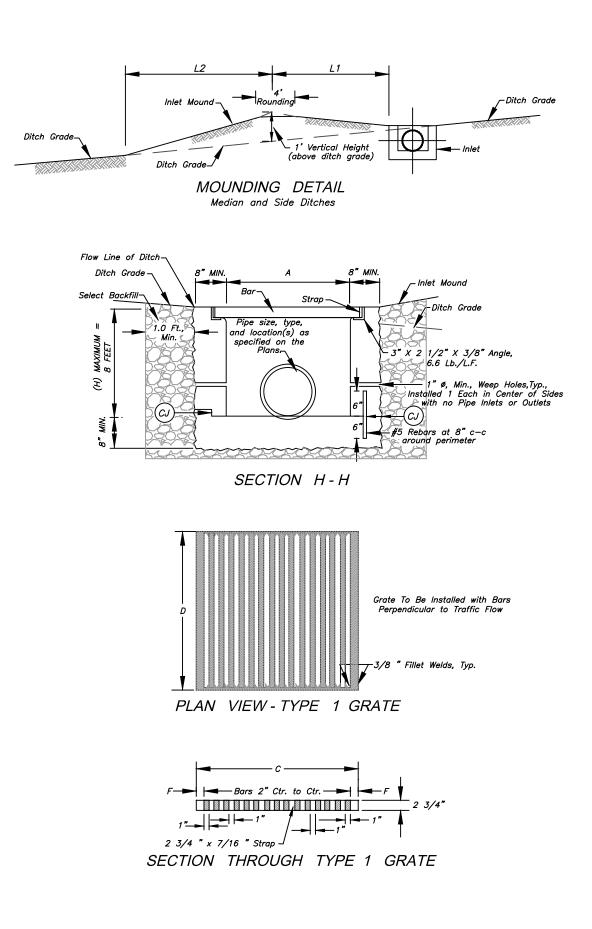
Strap Depth: 3"

Bar Depth: 3"

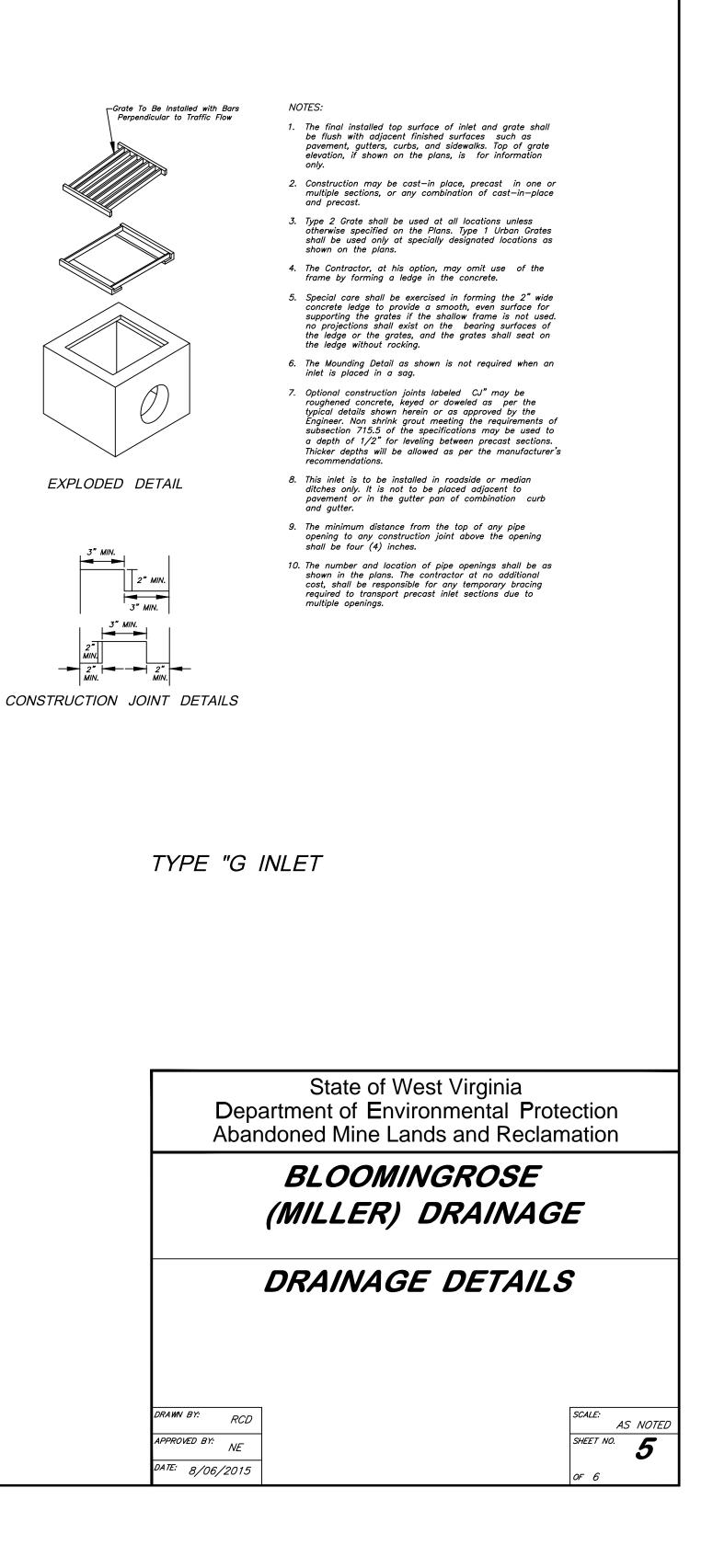
Strap Thickness: 1/2"

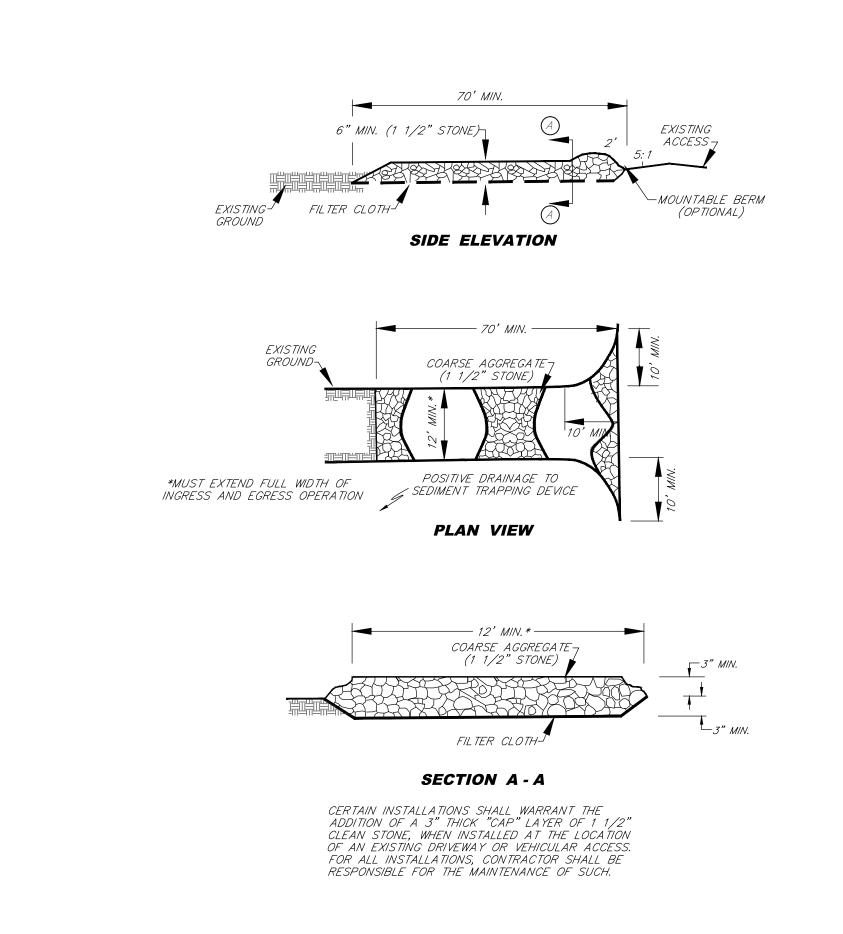


TYPE "G INLET

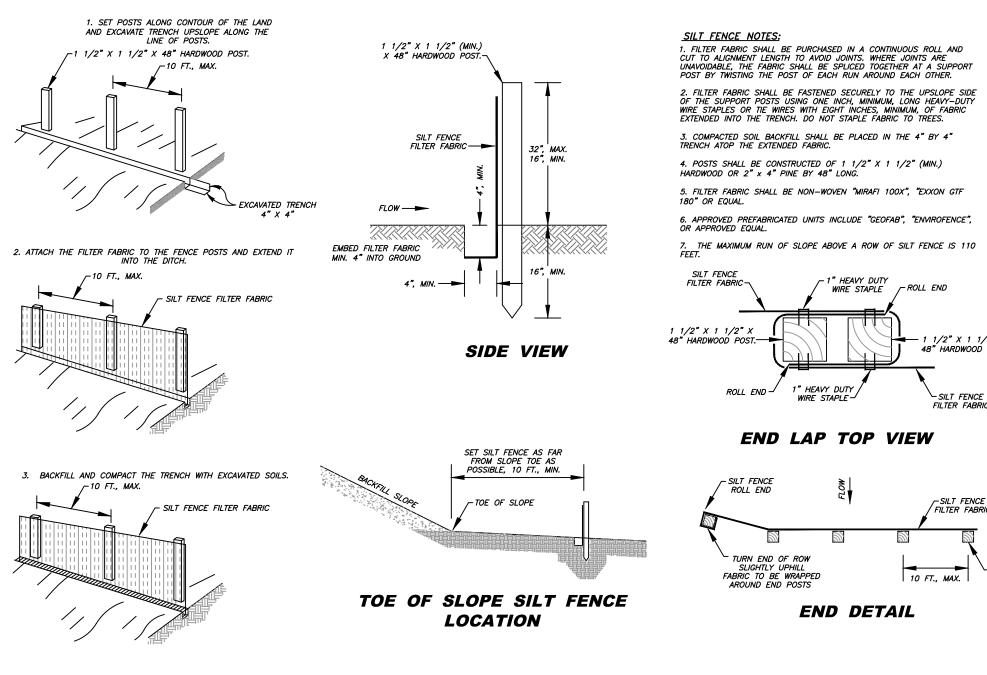


TYPE "G INLET

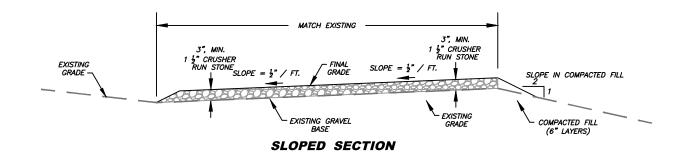






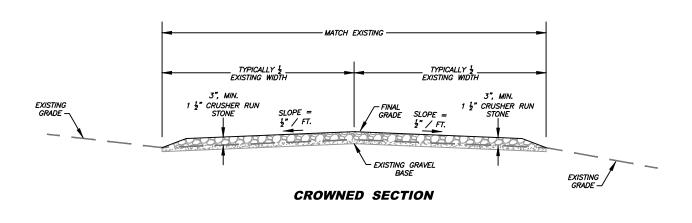


SILT FENCE



# NOTES: 1. ROADWAY SURFACE MAY BE SLOPED TO EITHER SIDE AS TOPOGRAPHY AND CONDITIONS WARRANT.

2. 1 3" CRUSHER RUN STONE SHALL BE COMPACTED AS APPROVED BY THE ENGINEER.



#### NOTES: VOTES: 1. PRIOR TO STONE PLACEMENT, REGRADE EXISTING ROADWAY INTO "CROWNED" OR "SLOPE TO DITCH" CONFIGURATION AS DIRECTED BY THE ENGINEER. REMOVE, REFILL, AND COMPACT SOFT SPOTS AS DIRECTED BY THE ENGINEER. ALL CUT/FILL SLOPES SHALL

2. 1 1/2" CRUSHER RUN STONE.

3. GRADE AND COMPACT BASE JUST PRIOR TO PLACEMENT OF REHABILITATION LAYER. 4. GRADE APPROVED MATERIAL AND COMPACT 1 1/2" CRUSHER RUN ONCE PLACED

### **GRAVEL DRIVE REHABILITATION**



### 1 1/2" X 1 1/2" X 48" HARDWOOD POST.

SILT FENCE

### PIPE TRENCH - VEGETATED SURFACE

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BACKFILL

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-0" 12"

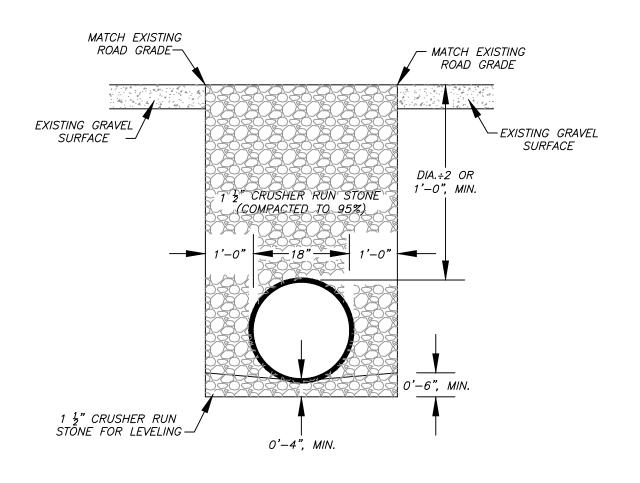
0'-4", MIN.

SELECT

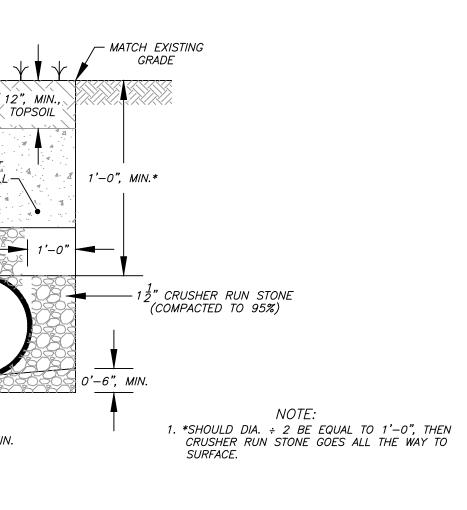
12", MIN., TOPSOIL

SILT FENCE

-1 1/2" X 1 1/2" X 48" HARDWOOD POST., TYP.







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

## BLOOMINGROSE (MILLER) DRAINAGE

## TYPICAL DETAILS

DRAWN BY: RCD APPROVED BY: NE <sup>DATE:</sup> 8/06/2015

SCALE: AS NOTED SHEET NO. **6** OF 6