

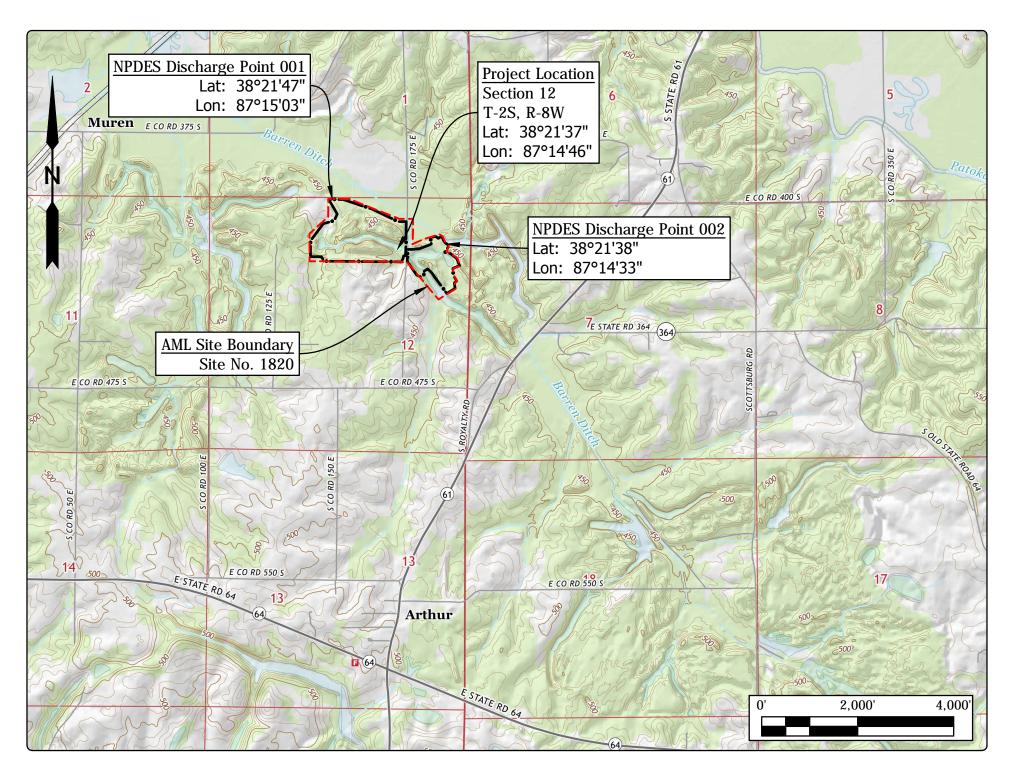
## STATE OF INDIANA INDIANA DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION



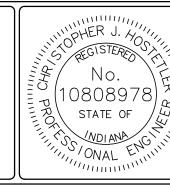
## ABANDONED COAL MINE RESTORATION

BUTTERMILK HIGHWALLS SITE 1820 CONTRACT E008-282 PIKE COUNTY

Clear and grub, backfill highwalls, construct wetlands, improve drainage, and revegetate all disturbed areas.



<u>Project Location Map</u> Oakland City & Augusta US TOPOs (USGS, 2016)



**CERTIFIED BY:** APPROVED

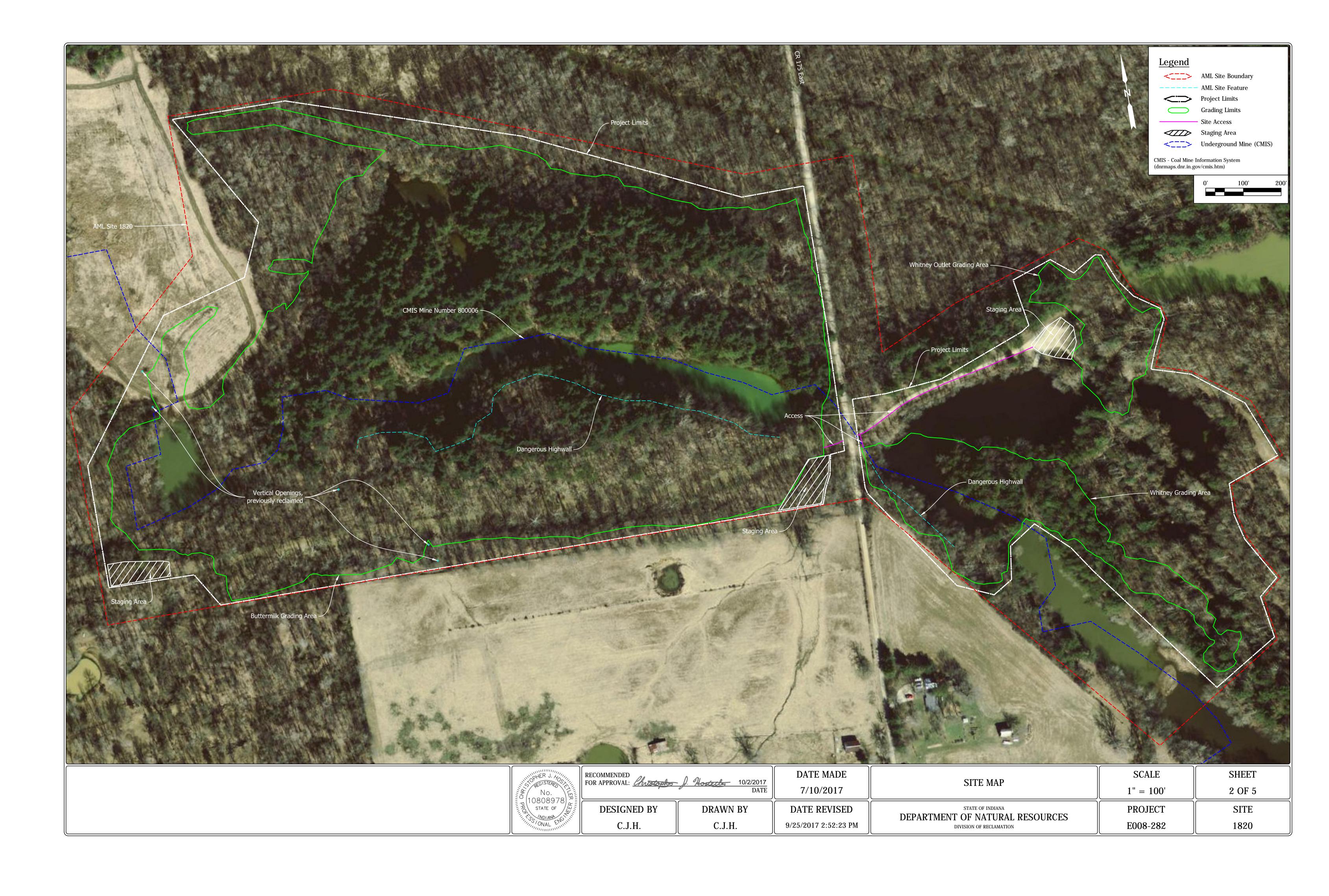
		GENERA	L NOTES	
20	10 AML S	tandard Specifications	to be used with	these plans.
Su	Immer of 2	oped from topographic 2010 by Williams Aeri ae Plane West, Feet, u	al & Mapping, Inc	z. in NAD 83,
Ar	n NPDES d	ischarge permit is rec	uired for this pro	ject.
		IND	DEX	
SH	IEET NO.	SHEET TITLE		
	1	TITLE, INDEX, & LO	DCATION MAP	
	2	SITE MAP		
	3	SITE PLAN		
	4	SECTIONS, PROFIL	ES. & REVEGETA	FION PLAN
	5	DETAILS	,	
	J		TIEC	
		UTILI	11ES	
b I	out are not	es of the following uti t expected to be affect s arise, the utility may n below.	ted by the propos	sed construction.
1   1   E	ELECTRIC: /ectren North Ma Evansville, 812) 491-	in St. IN 47702	TELECOM: Frontier 8001 West Jeffer Fort Wayne, IN (260) 461-3324	
1 1 1 1 1 1 1 1 1	812) 491- Dhio Valley 11 Energy	in St. IN 47702 4607 7 Gas Corp. 7 Park Dr. 7, IN 47394	WATER/SANITA Pike-Gibson Wat 325 N Jackson S Oakland City, IN (812) 749-4916	er, Inc. t.
		You Dig. Indiana Un IPPS) 1-800-382-5544	-	
DURCES (010) 005 0		SCALE	S	HEET
(812) 665-2 PHONE NUM		AS NOTED		OF 5

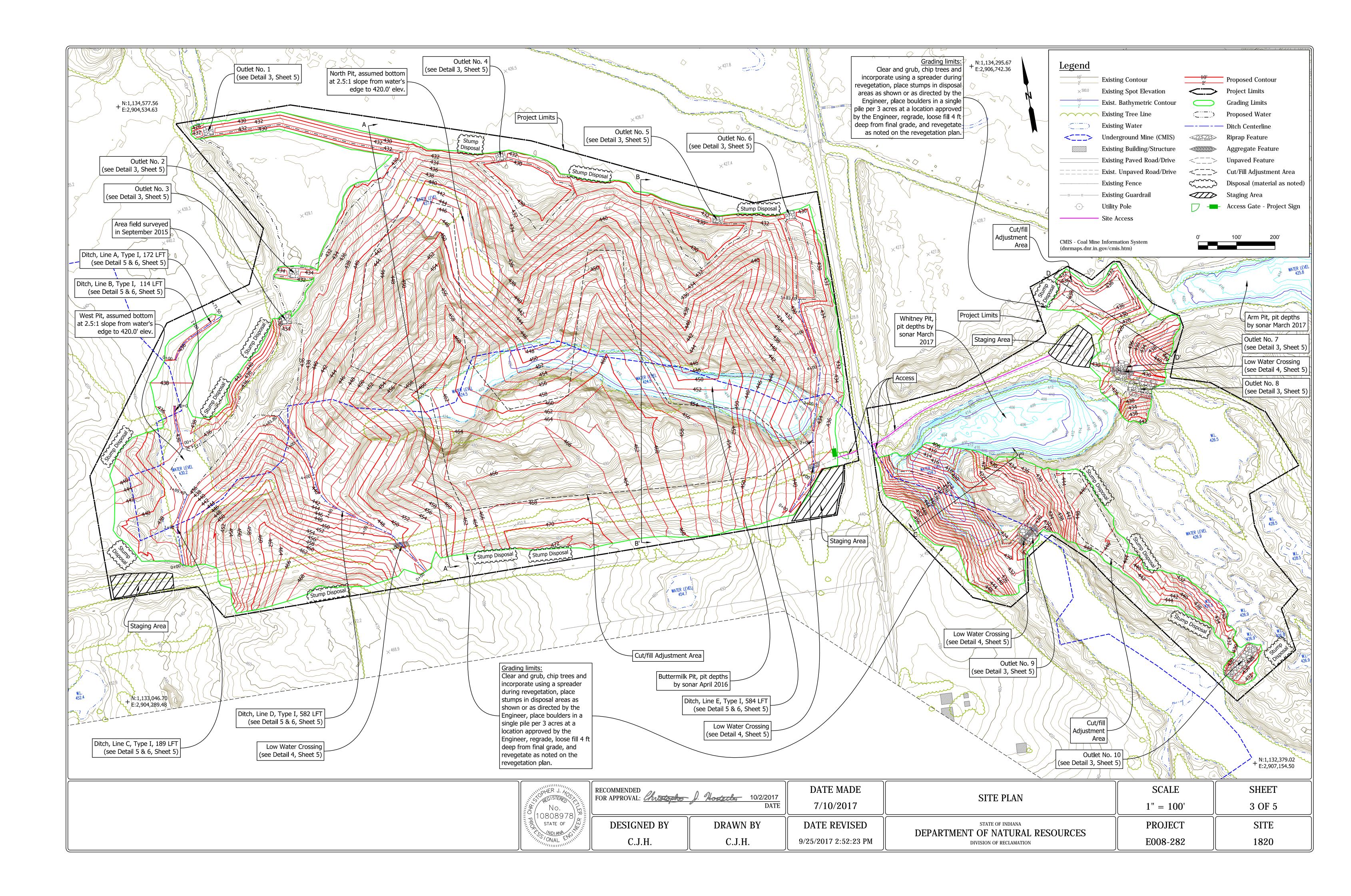
 

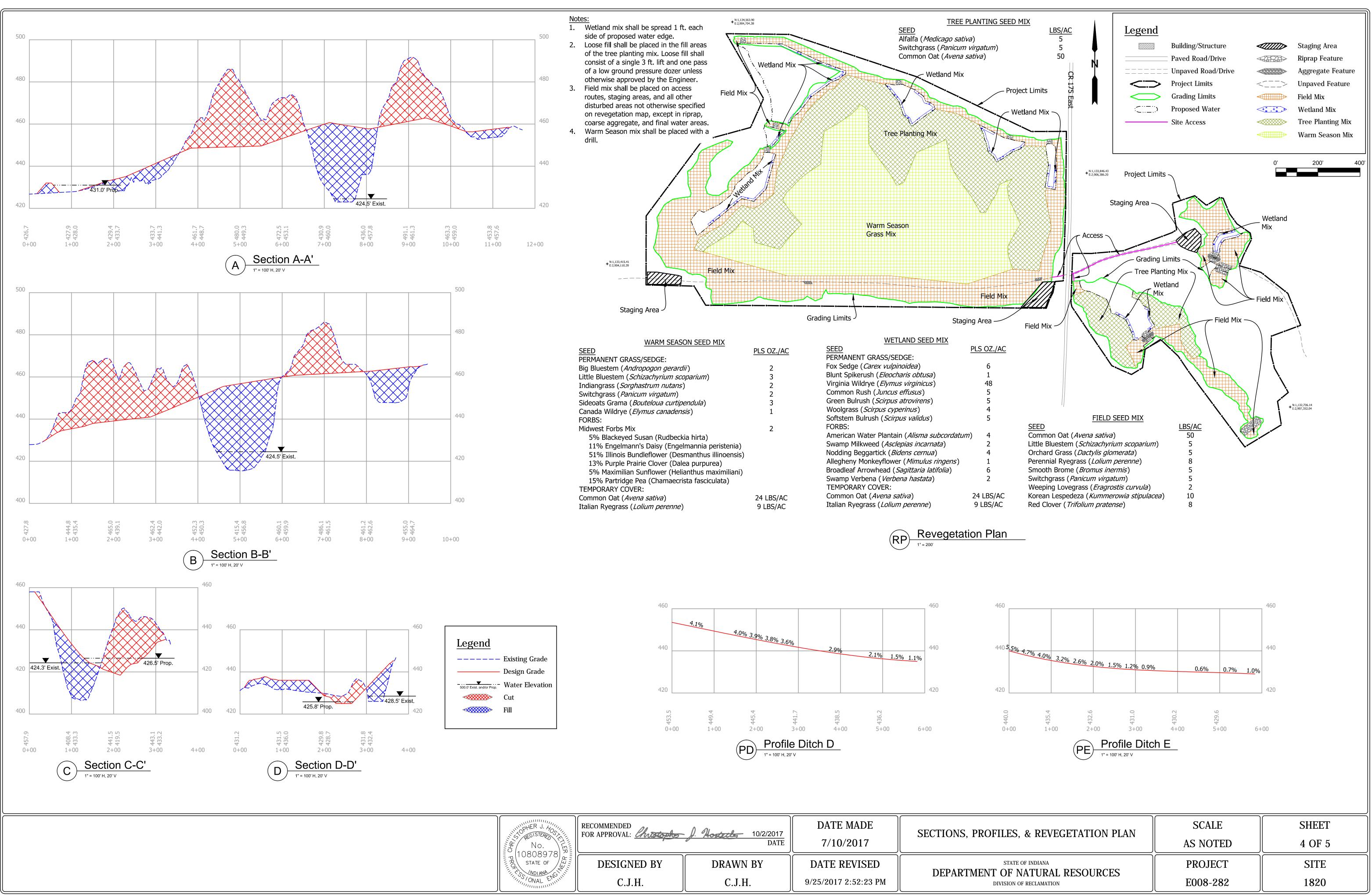
 PLANS
 INDIANA DEPARTMENT OF NATURAL

 PREPARED BY:
 DIVISION OF RECLAMATION

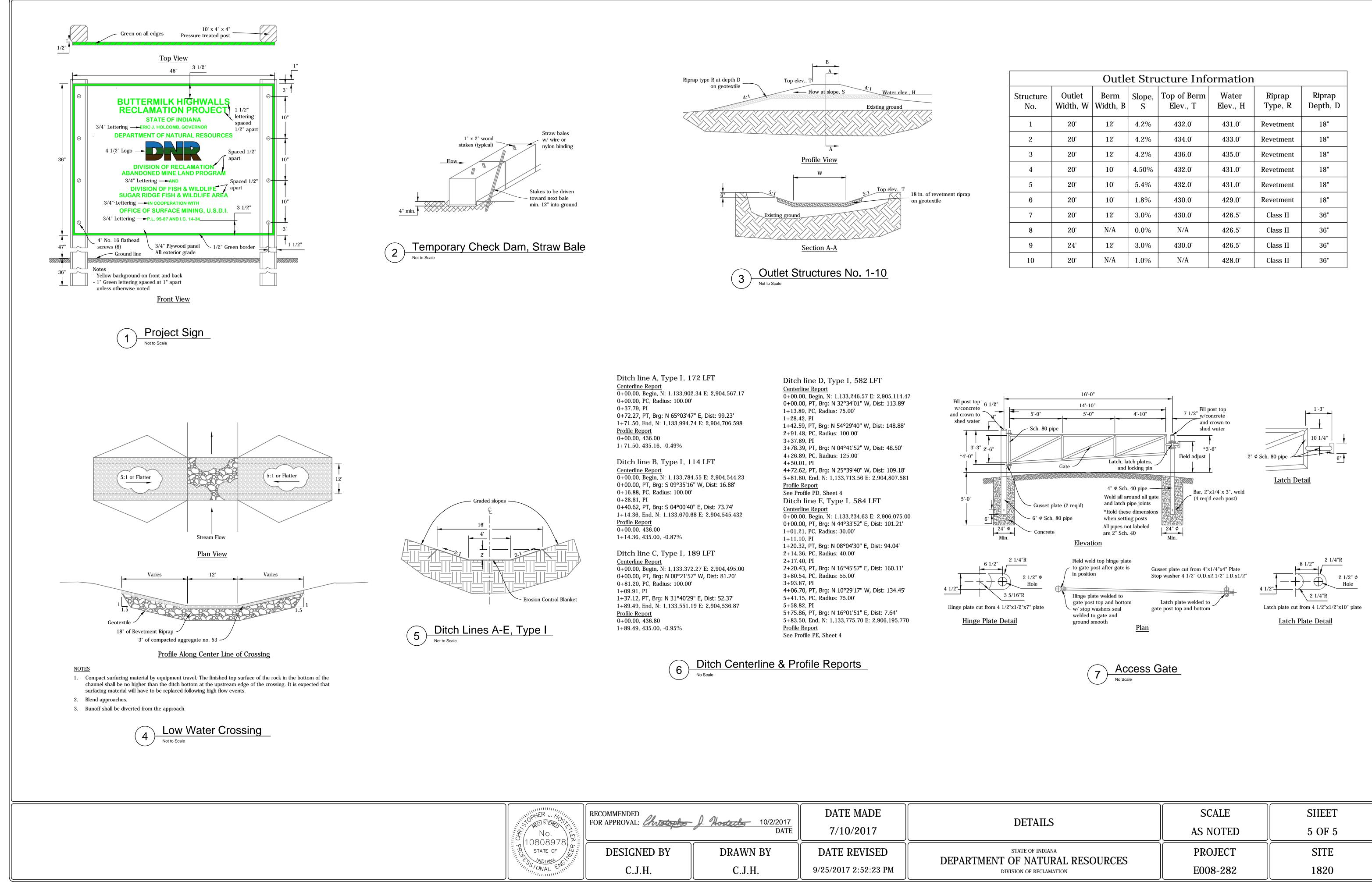
 AS NOTED I OF 5 10/2/2017 Chustophy , DATE PROJECT SITE FOR LETTING: 10/2/2017  $\sim$ E008-282 1820 DIVISION OF RECLAMATION DATE







N	No.	RECOMMENDED FOR APPROVAL: Chrostophes			SECTIO
	STATE OF	DESIGNED BY	DRAWN BY	DATE REVISED	DEPA
	VDIANA GUIN	C.J.H.	C.J.H.	9/25/2017 2:52:23 PM	



	No.	No. DATE		DATE MADE 7/10/2017	DETAILS	SCALE AS NOTED	SHEET 5 OF 5
	10808978 STATE OF	DESIGNED BY	DRAWN BY	DATE REVISED	STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES	PROJECT	SITE
C.	C.J.H.	C.J.H.	9/25/2017 2:52:23 PM	DEFARTIVIENT OF INATORAL RESOURCES DIVISION OF RECLAMATION	E008-282	1820	

	Outlet Structure Information								
Structure No.	Outlet Width, W	Berm Width, B	Slope, S	Top of Berm Elev., T	Water Elev., H	Riprap Type, R	Riprap Depth, D		
1	20'	12'	4.2%	432.0'	431.0'	Revetment	18"		
2	20'	12'	4.2%	434.0'	433.0'	Revetment	18"		
3	20'	12'	4.2%	436.0'	435.0'	Revetment	18"		
4	20'	10'	4.50%	432.0'	431.0'	Revetment	18"		
5	20'	10'	5.4%	432.0'	431.0'	Revetment	18"		
6	20'	10'	1.8%	430.0'	429.0'	Revetment	18"		
7	20'	12'	3.0%	430.0'	426.5'	Class II	36"		
8	20'	N/A	0.0%	N/A	426.5'	Class II	36"		
9	24'	12'	3.0%	430.0'	426.5'	Class II	36"		
10	20'	N/A	1.0%	N/A	428.0'	Class II	36"		