

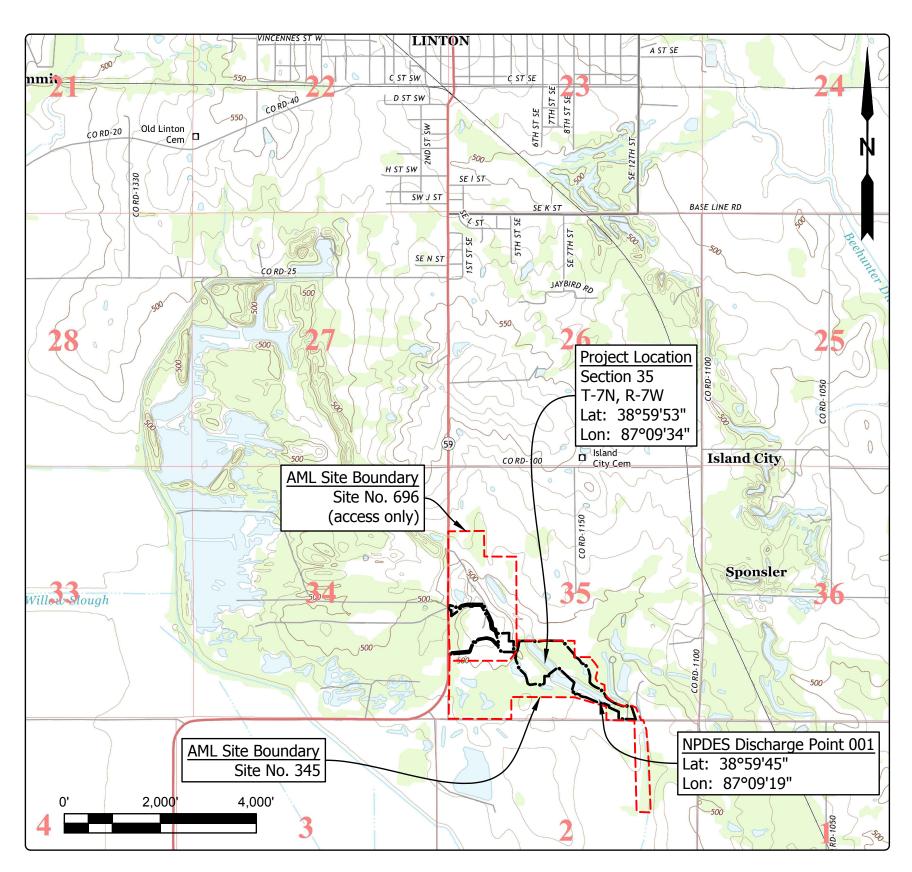
STATE OF INDIANA INDIANA DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION



ABANDONED COAL MINE RESTORATION

LINTON NO. 1
SITE 345
CONTRACT DEL1915208405/E008-304
GREENE COUNTY

Clear and grub, construct wetlands, and revegetate all disturbed areas.



Project Location Map Linton & Sandborn US TOPO (USGS, 2013)

GENERAL NOTES

2010 AML Standard Specifications to be used with these plans.

Plans developed from LiDAR topographic mapping survey flown in 2011 by Williams Aerial & Mapping, Inc. in NAD 83, Indiana State Plane West, Feet.

An NPDES discharge permit is required for this project. Additional NPDES discharge points can be added to facilitate construction sequencing.

The Contractor shall not work Fridays after 4:00 PM, Saturdays, or Sundays unless otherwise approved by the Engineer.

INDEX							
SHEET TITLE							
TITLE, INDEX, & LOCATION MAP							
SITE MAP							
SITE PLANS							
SECTIONS							
REVEGETATION PLAN							
DETAILS							

UTILITIES

The facilities of the following utilities exist near the project site but are not expected to be affected by the proposed construction. If questions arise, the utility may be contacted using the information below.

ELECTRIC:

NATURAL GAS:

Utilities District of Western Indiana R.E.M.C.
PO Box 427/Hwy. 54 West Bloomfield, IN 47424 (812) 384-5053

Linton Municipal Utilities 86 South Main Street Linton, IN 47441 (812) 847-4971

WATER/SANITARY:

Linton Municipal Utilities 86 South Main Street Linton, IN 47441

Ellis Water PO Box 291 Linton, IN 47441

(812) 847-9898

TELECOM:

(812) 847-4971

AT&T - Distribution 240 N. Meridian St., Rm 1791 Indianapolis, IN 46204 (317) 265-3050

Linton Municipal Utilities 86 South Main Street Linton, IN 47441 (812) 847-4971

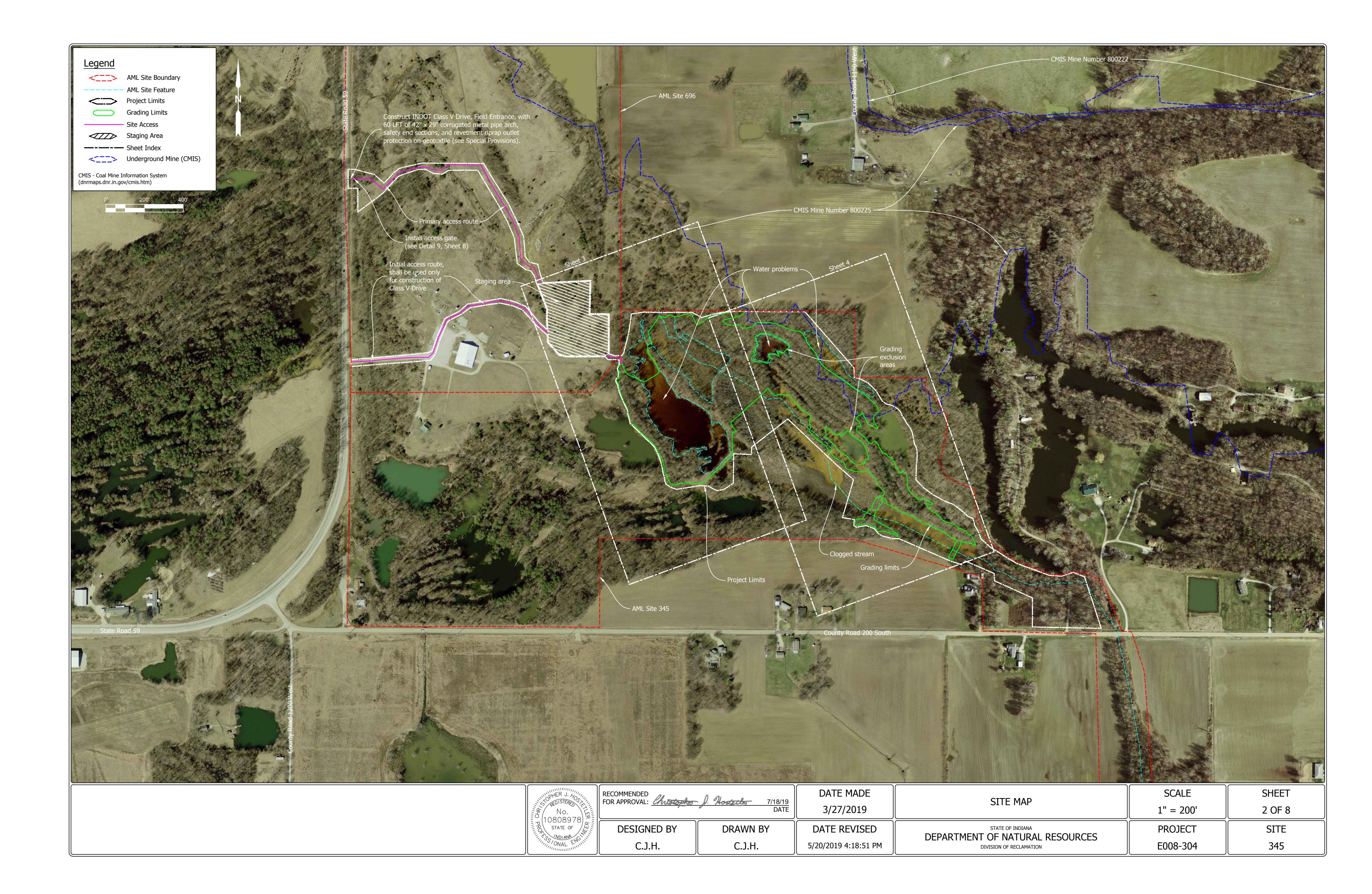
Smithville Telephone Company, Inc. 1600 W. Temperance St. Ellettsville, IN 47429 (812) 935-2423

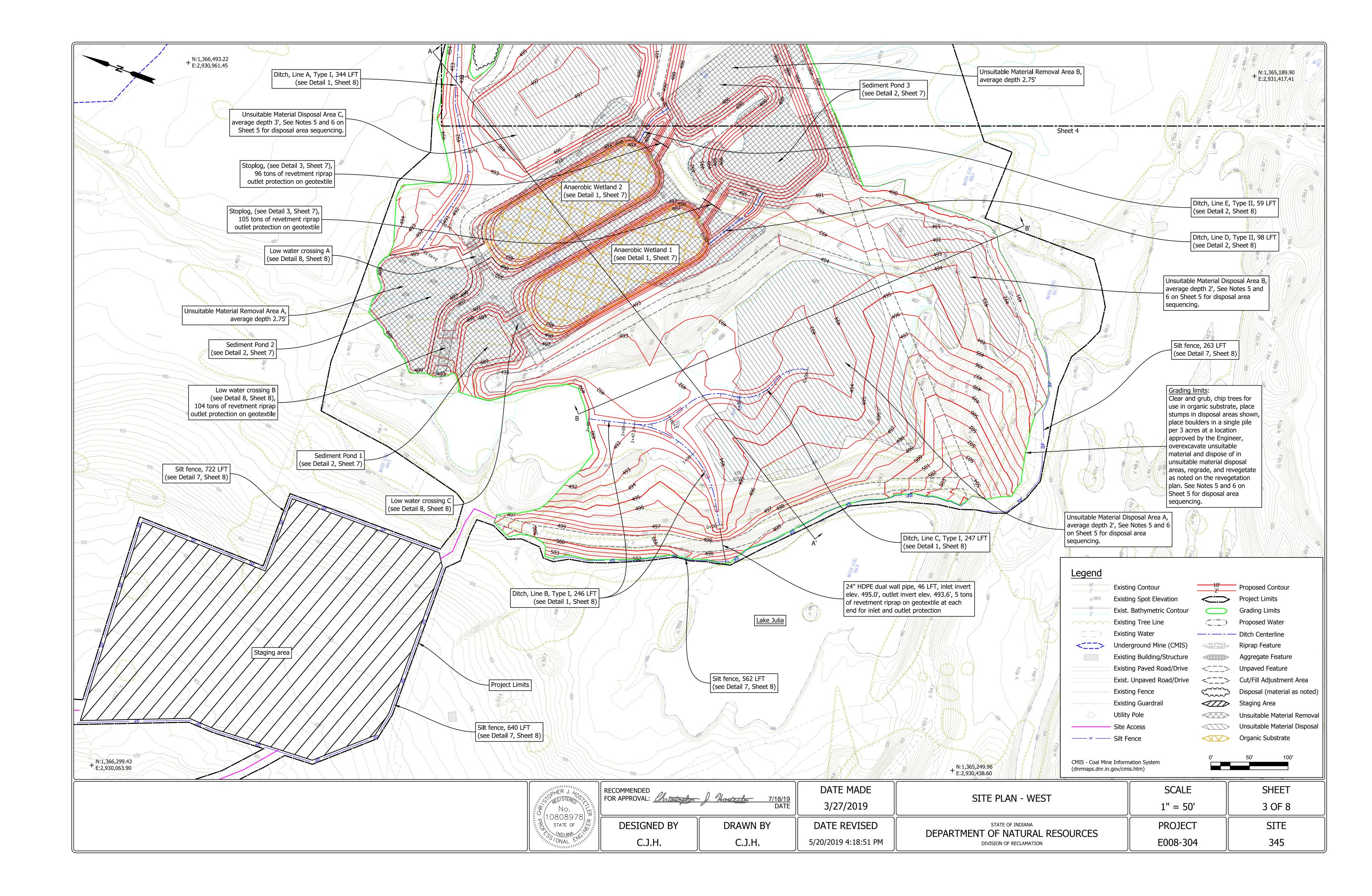
Call Before You Dig. Indiana Underground Plant Protection Service (IUPPS) 1-800-382-5544 or 811 from your mobile phone.

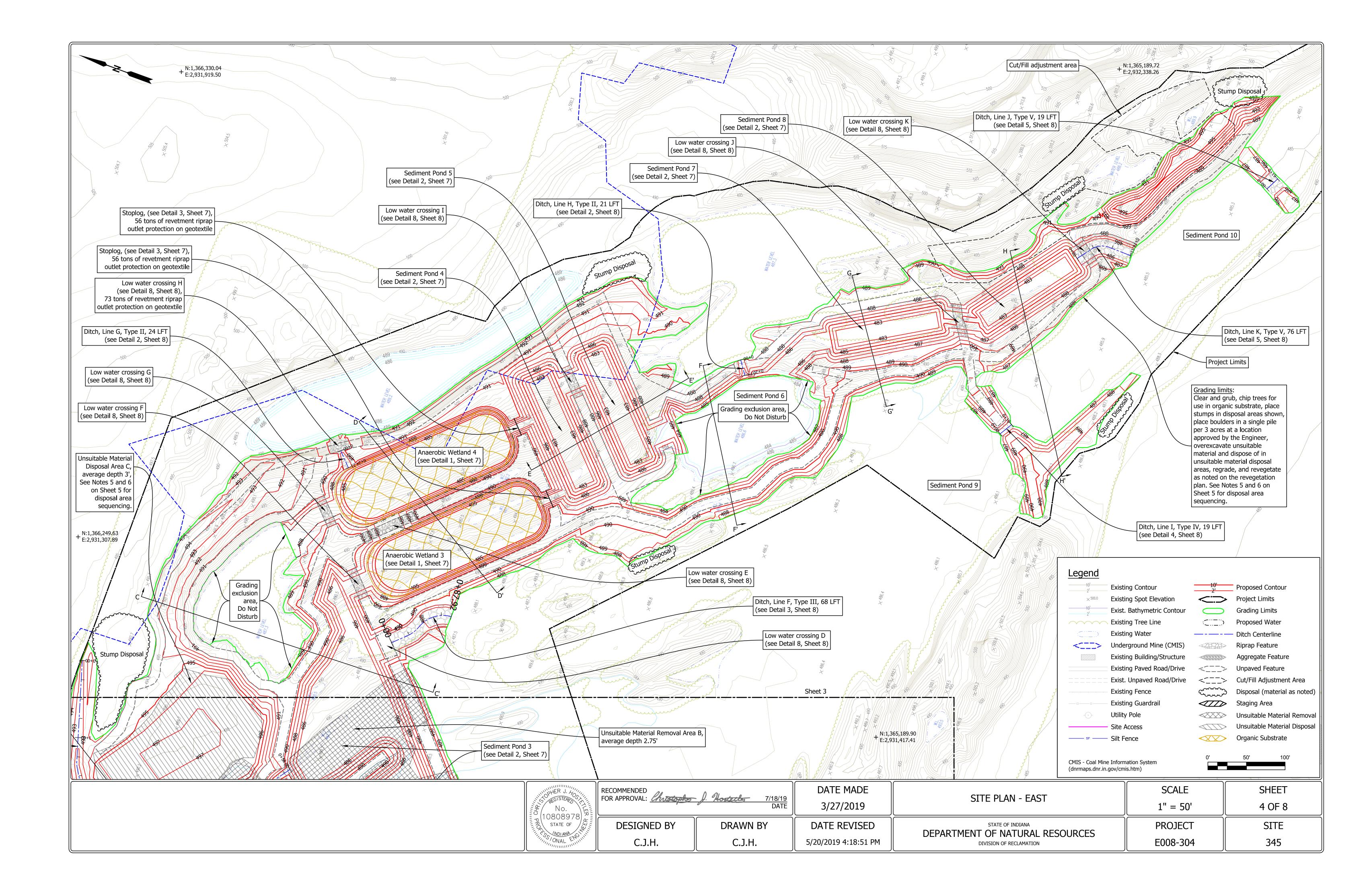
	PLANS PREPARED BY:	INDIANA DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION	(812) 665-2207
0=			PHONE NUMBER
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	CERTIFIED BY:	Christophes J. Hostelles	7/18/19
N. WEER		011000	DATE
¥ [APPROVED	M = N > (N)	
	FOR LETTING:	Milam D. Chi	7/18/19
		DIVISION OF RECLAMATION	DATE

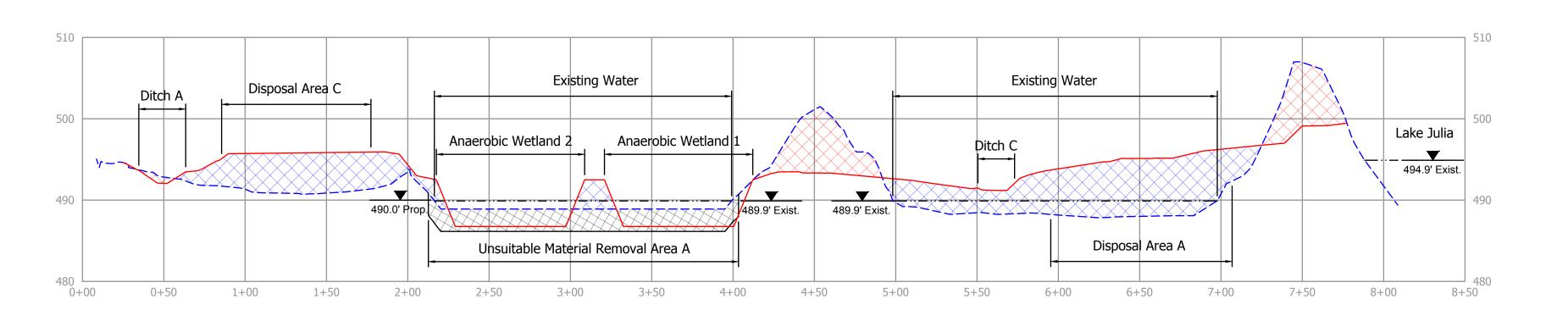
STATE OF

7	SCALE	SHEET
₹ 9	AS NOTED	1 OF 8
<u>9</u> E	PROJECT	SITE
E	E008-304	345

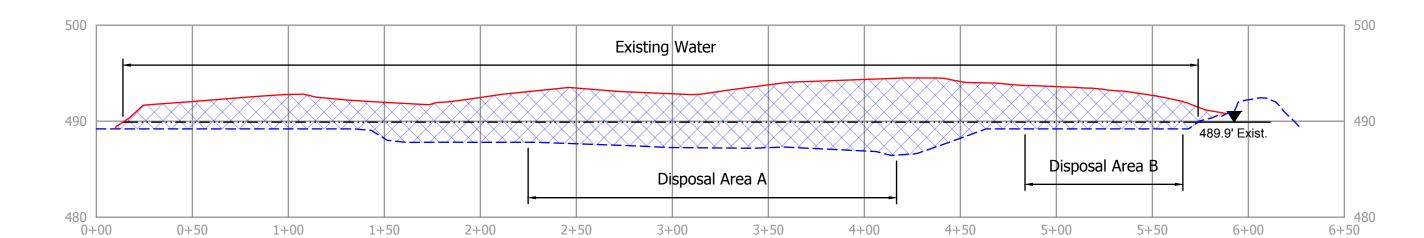




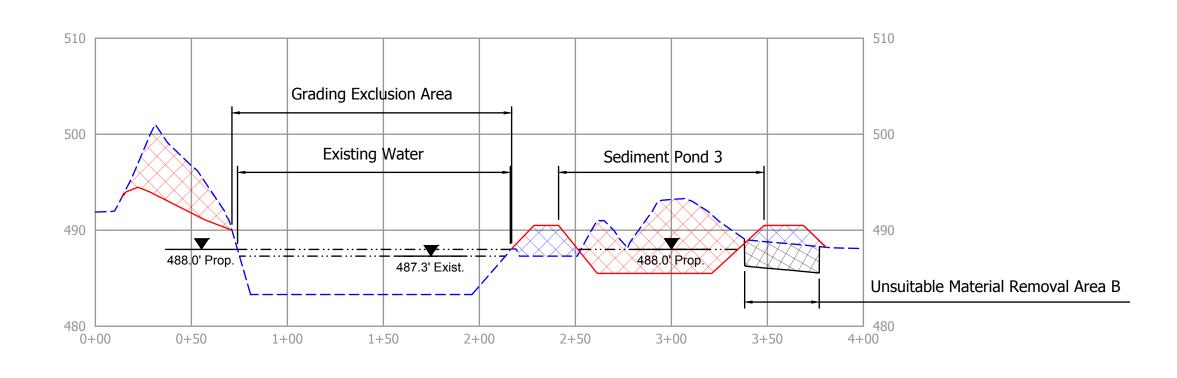


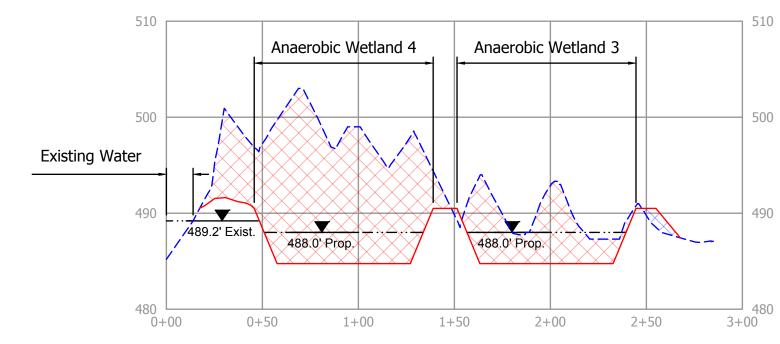


Section A-A'



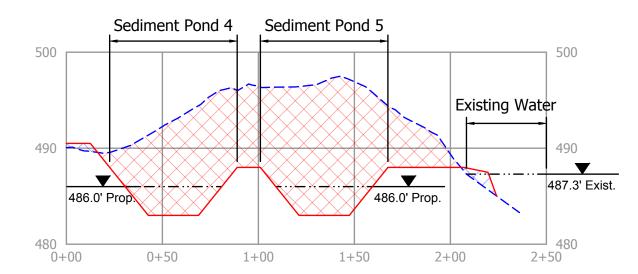
B Section B-B'





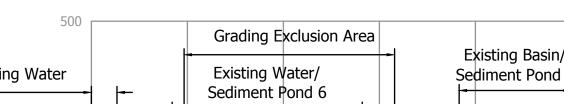
Section D-D'

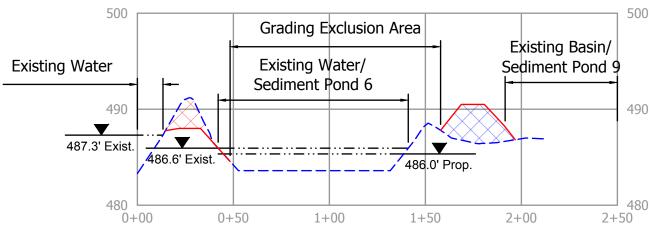
Section C-C'



Section E-E'

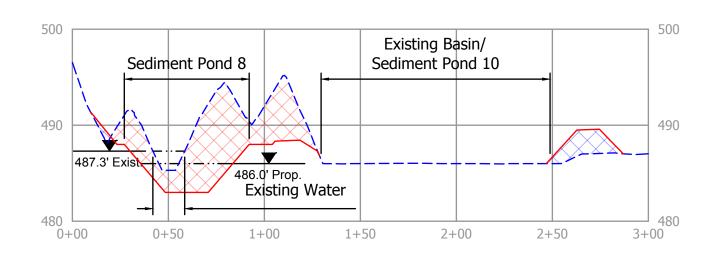
Section F-F'





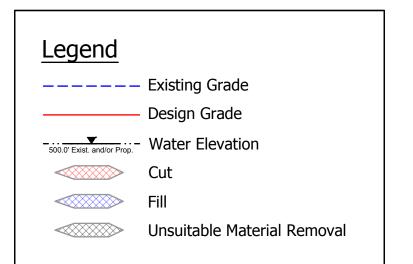
Existing Basin/ Sediment Pond 9 Sediment Pond 7 487.3' Exist. Existing Water **Existing Water** 1+00 1+50

Section G-G' 1" = 50' H, 10' V

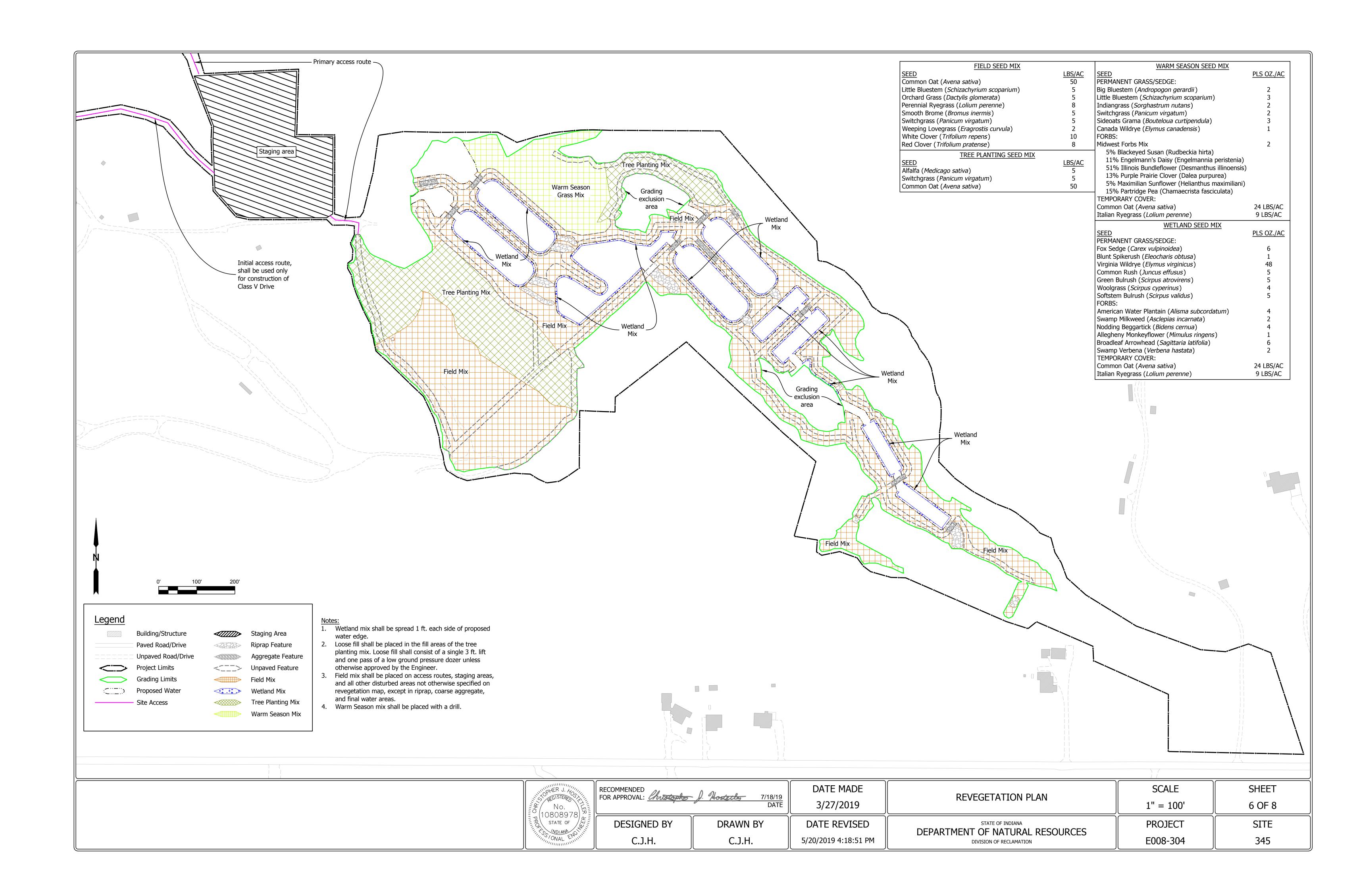


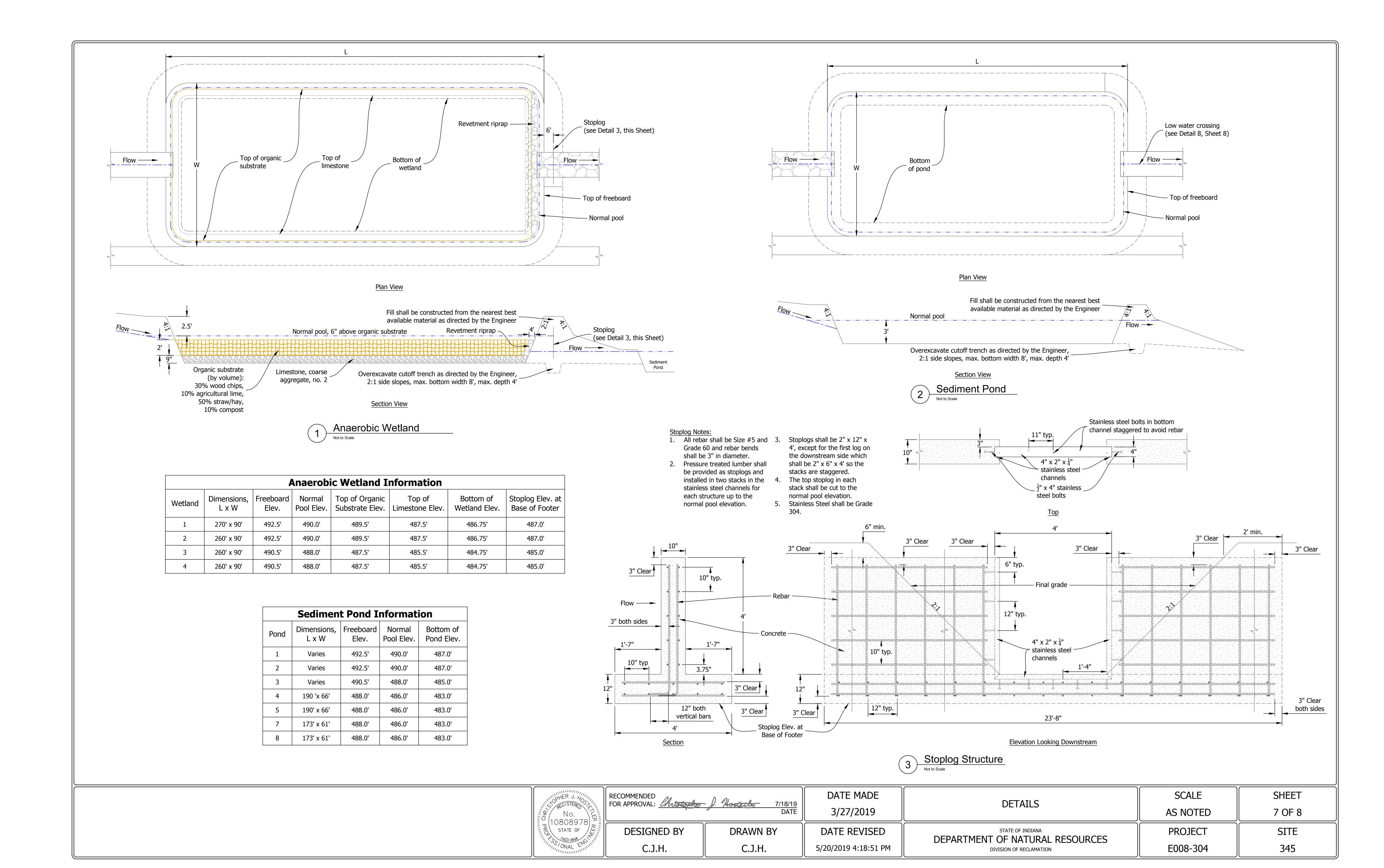
Section H-H'

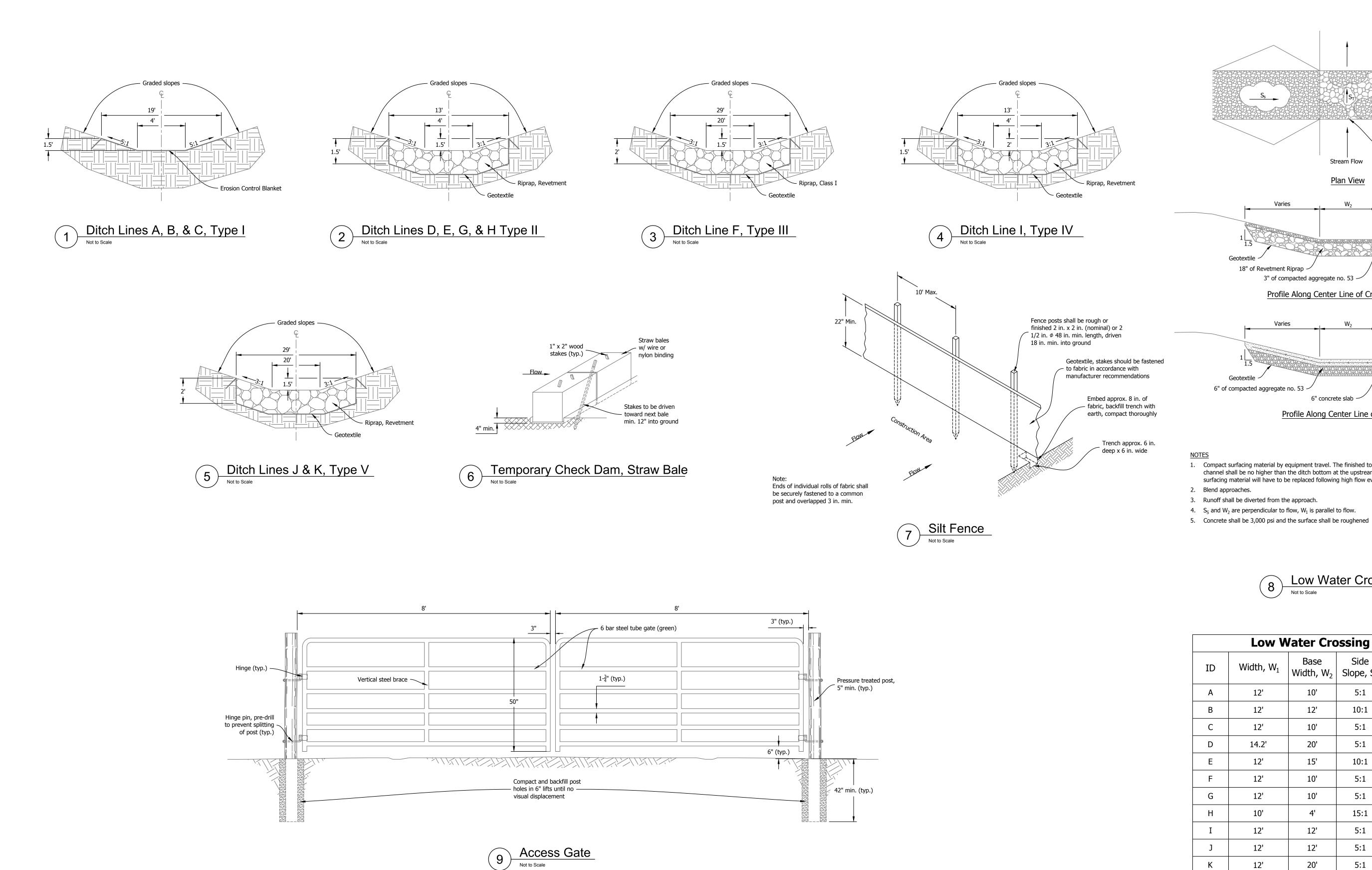
- 1. Unsuitable material is acid mine drainage floc, silt, coal refuse, or any other material determined by the Engineer requiring removal from and disposal in the identified areas.
- 2. An average unsuitable removal depth of 2.75' and an unsuitable material shrink percentage of 30% was used in the earthwork calculations.
- 3. All unsuitable material, except coal refuse, shall be dried, incorporated with suitable material, and placed in the fill portions of the disposal areas.
- 4. Coal refuse material shall be placed in disposal areas and capped with at least 2' of cover material.
- 5. Disposal Area A shall be completely utilized prior to placing unsuitable material in Disposal Areas B or C.
- 6. Disposal Area B shall completely utilized prior to placing unsuitable material in Disposal Area C.

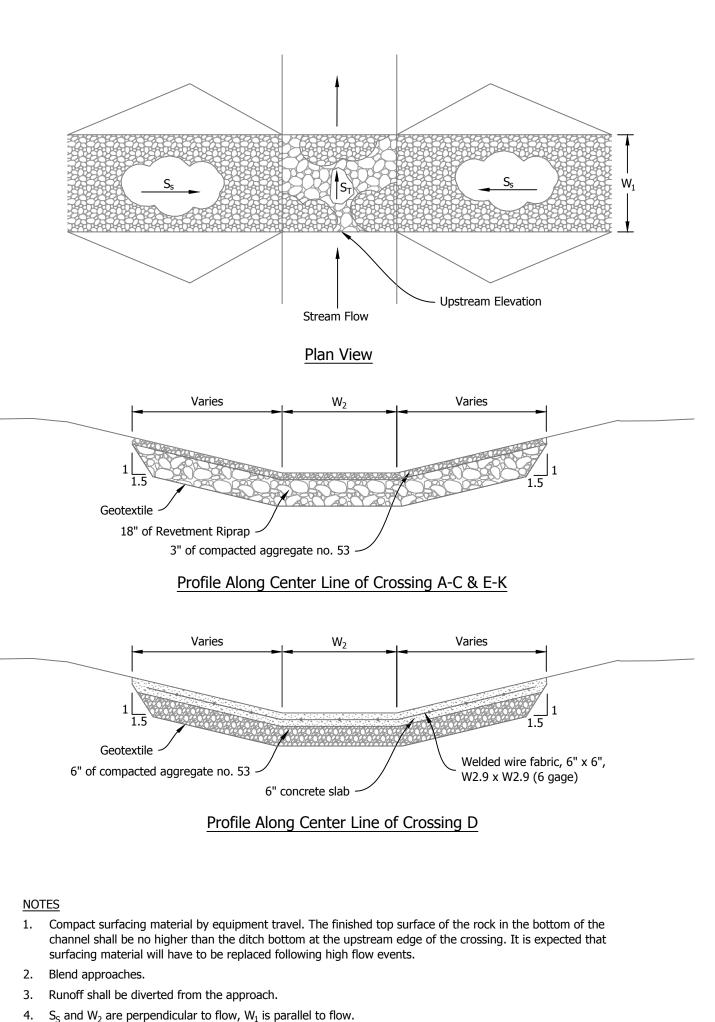


No. 10808978	RECOMMENDED FOR APPROVAL:	J. Hoseiles 7/18/19 DATE	DATE MADE 3/27/2019	SECTIONS	SCALE AS NOTED	SHEET 5 OF 8
STATE OF	DESIGNED BY	DRAWN BY	DATE REVISED	STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES	PROJECT	SITE
ONAL ENTIN	C.J.H.	C.J.H.	5/20/2019 4:18:51 PM	DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION	E008-304	345









8 Low Water Crossing Not to Scale

	Low Water Crossing Information								
ID	Width, W ₁	Base Width, W ₂	Side Slope, S _s	Transverse Slope, S _t	Upstream Elev.				
А	12'	10'	5:1	0%	489.0'				
В	12'	12'	10:1	-1.57%	490.4'				
С	12'	10'	5:1	0%	489.0'				
D	14.2'	20'	5:1	2.00%	488.2'				
Е	12'	15'	10:1	0%	487.0'				
F	12'	10'	5:1	0%	487.0'				
G	12'	10'	5:1	0%	487.0'				
Н	10'	4'	15:1	0%	489.2'				
I	12'	12'	5:1	0%	485.0'				
J	12'	12'	5:1	0%	485.0'				
К	12'	20'	5:1	-0.14%	486.0'				

DESIGNED BY DESIG	PHER J. 40	RECOMMENDED FOR APPROVAL:	J. Hosterles 7/18/19 DATE	DATE MADE 3/27/2019	DETAILS	SCALE AS NOTED	SHEET 8 OF 8
	Π^{-1} . \vee 1	DESIGNED BY C.J.H.	DRAWN BY C.J.H.	DATE REVISED 5/20/2019 4:18:51 PM		PROJECT E008-304	