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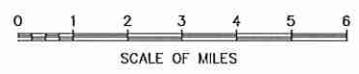
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See Accompanying Booklet For Natural Resources Conservation Service "Construction and Material Specifications".

Contractor Name: _____
 Date Work Started: _____
 Date Completed: _____
 Final Contract Value: _____

Construction Approval
 The practices shown on these plans have been installed in accordance with the plans and specifications, and meets NRCS practice standards.
 Construction Approved: _____
 Date Completed: _____



STEELE DITCH #23-04

CONTRACTOR OUPS REF. NO. _____

UNDERGROUND UTILITIES AT EXCAVATION SITE				
OHIO811 I.D.# A407801673-00A				
UTILITY INFORMATION				OHIO811 MEMBER & LIMITED BASIS PARTICIPANT
NAME	ADDRESS	PHONE NO.	NO REPLY	
AEP Ohio				X
Arthur Mutual Telephone				X
Defiance County Eng			X	X

NOTICE TO LANDOWNER AND EXCAVATOR

Landowners or operators, sponsoring organizations, and contractors are liable for any damage resulting from disruption of a utility service caused by construction activities. NRCS makes no representation on the existence or non-existence of utilities on this site.

Excavator must notify all utilities at least 48 hours, and not more than 10 days, prior to the planned commencement of excavation.

Call OHIO811 (800-362-2764 or 811) for a listing of OUPS and OGPUPS members and limited basis participant members.

1/ IF NO UTILITIES ARE IDENTIFIED IN THE AREA, CHECK THIS BOX.

APPROVAL

Warren Schmitt 10-17-2024
 COUNTY ENGINEER DATE

 COUNTY COMMISSIONERS DATE

Date 08/24
 Designed Madison Gray
 Drawn Madison Gray 08/24
 Checked _____
 Approved _____

STEELE DITCH #23-04
 COVER SHEET
 SECTION 10, DEFIANCE TWP. DEFIANCE CO. OHIO


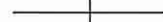




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 Natural Resources Conservation Service

CAD FILE I.D. SteeleDitch
 DRAWING NUMBER OH-1-76-24-02
 Sheet 1 of 8

Plan View

1" = 300'



-  Road
-  Ditch Centerline
-  Watershed
-  Mini Rock Chute
-  Rockpad
-  Rock Lined Channel

SOIL TYPE
Pa - Paulding Clay

BENCHMARKS
BM#1: East edge on top of 30" concrete pipe east of Williams Road
ELEV. 709.39



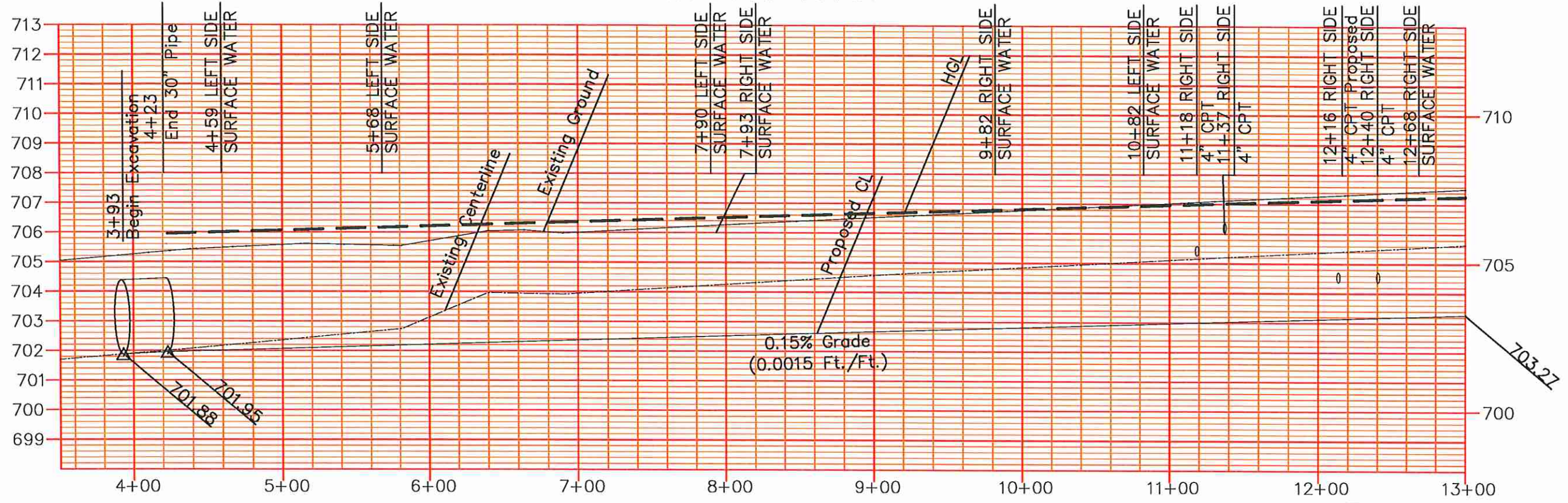
Designed Madison Gray Date 08/24
 Drawn Madison Gray Date 08/24
 Checked _____
 Approved _____

STEELE DITCH #23-04
 PLAN VIEW
 SECTION 10, DEFIANCE TWP. DEFIANCE CO. OHIO

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 SteeleDitch
 DRAWING NUMBER
 OH-1-76-24-02
 Sheet 2 of 8

STA 3+50-13+00

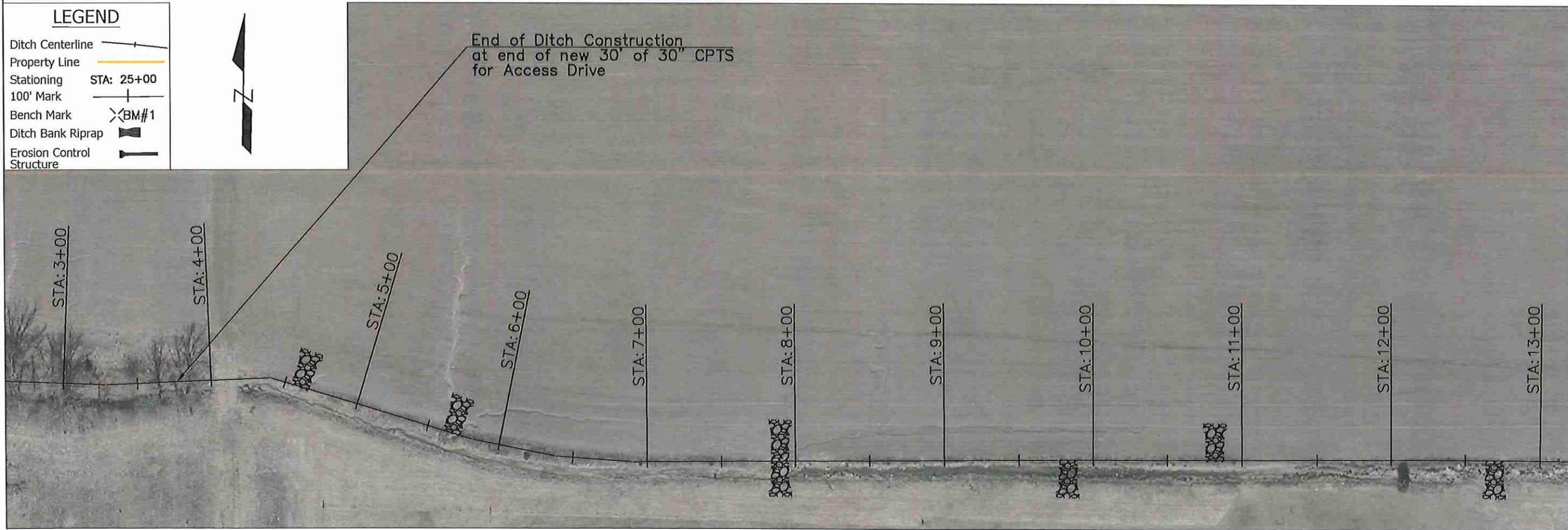


LEGEND

- Ditch Centerline
- Property Line
- Stationing STA: 25+00
- 100' Mark
- Bench Mark
- Ditch Bank Riprap
- Erosion Control Structure



End of Ditch Construction
at end of new 30' of 30" CPTS
for Access Drive



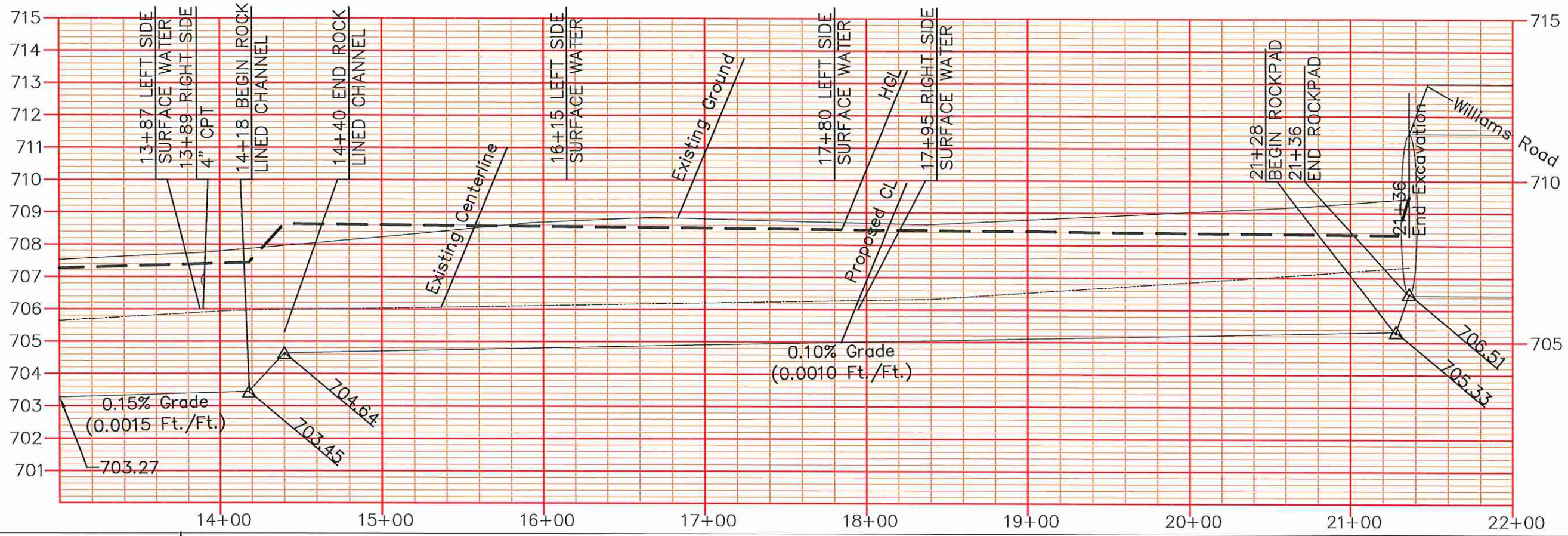
Designed Madison Gray Date 08/24
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STEELE DITCH #23-04
 PROFILE VIEW
 SECTION 10, DEFIANCE TWP. DEFIANCE CO. OHIO



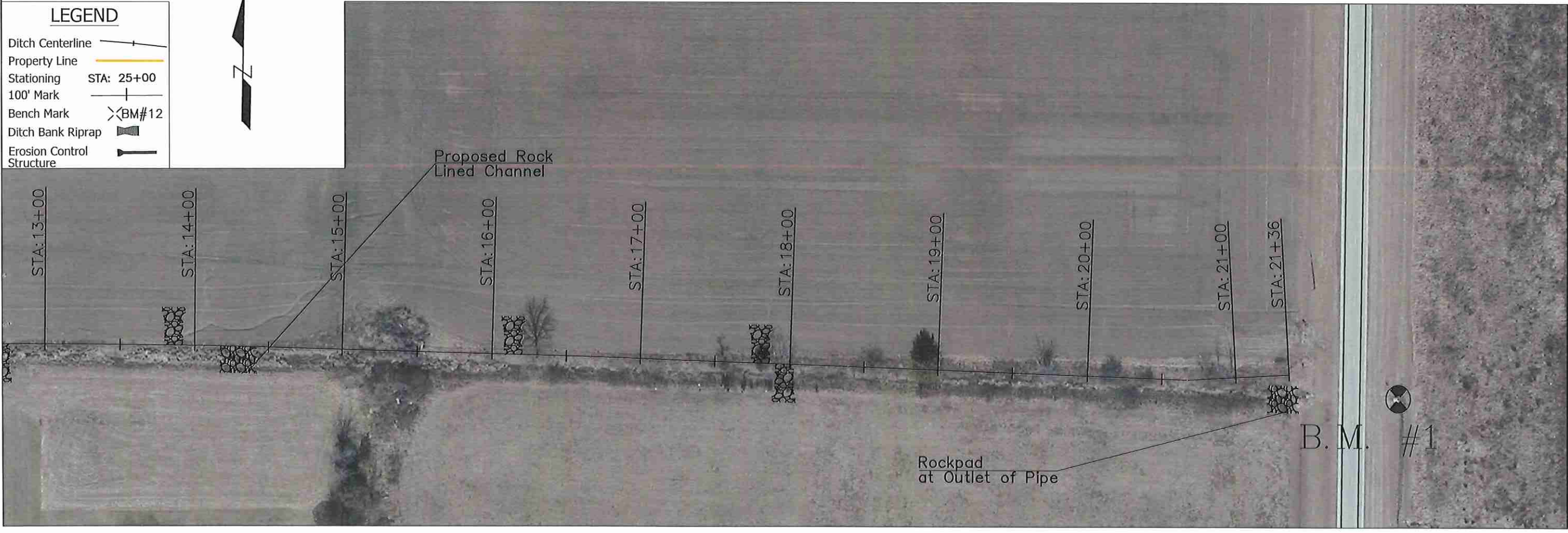
CAD FILE: I.D. SteeleDitch
 DRAWING NUMBER OH-1-76-24-02

STA 13+00-22+00



LEGEND

- Ditch Centerline
- Property Line
- Stationing STA: 25+00
- 100' Mark
- Bench Mark BM#12
- Ditch Bank Riprap
- Erosion Control Structure



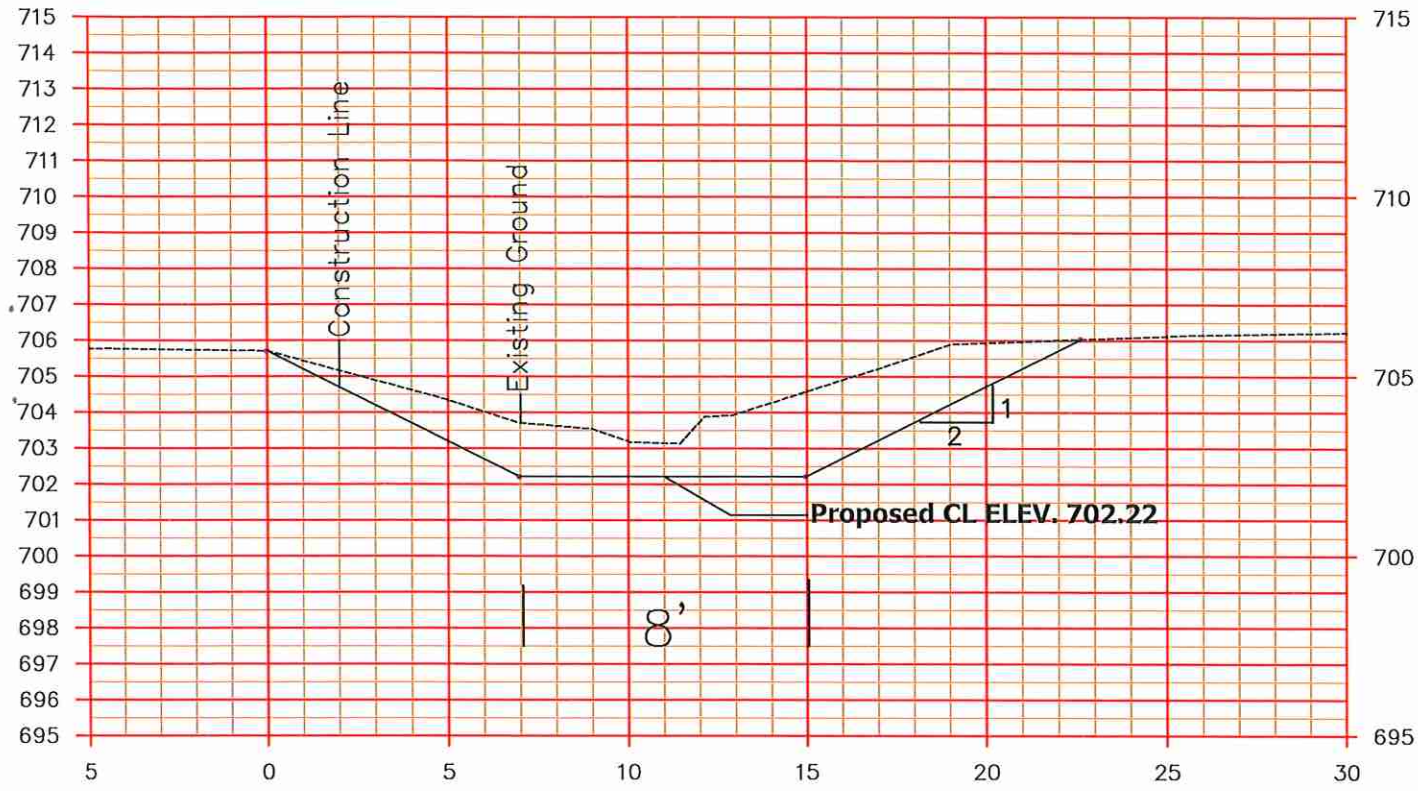
Date 08/24
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STEELE DITCH #23-04
 PROFILE VIEW
 SECTION 10, DEFIANCE TWP. DEFIANCE CO. OHIO

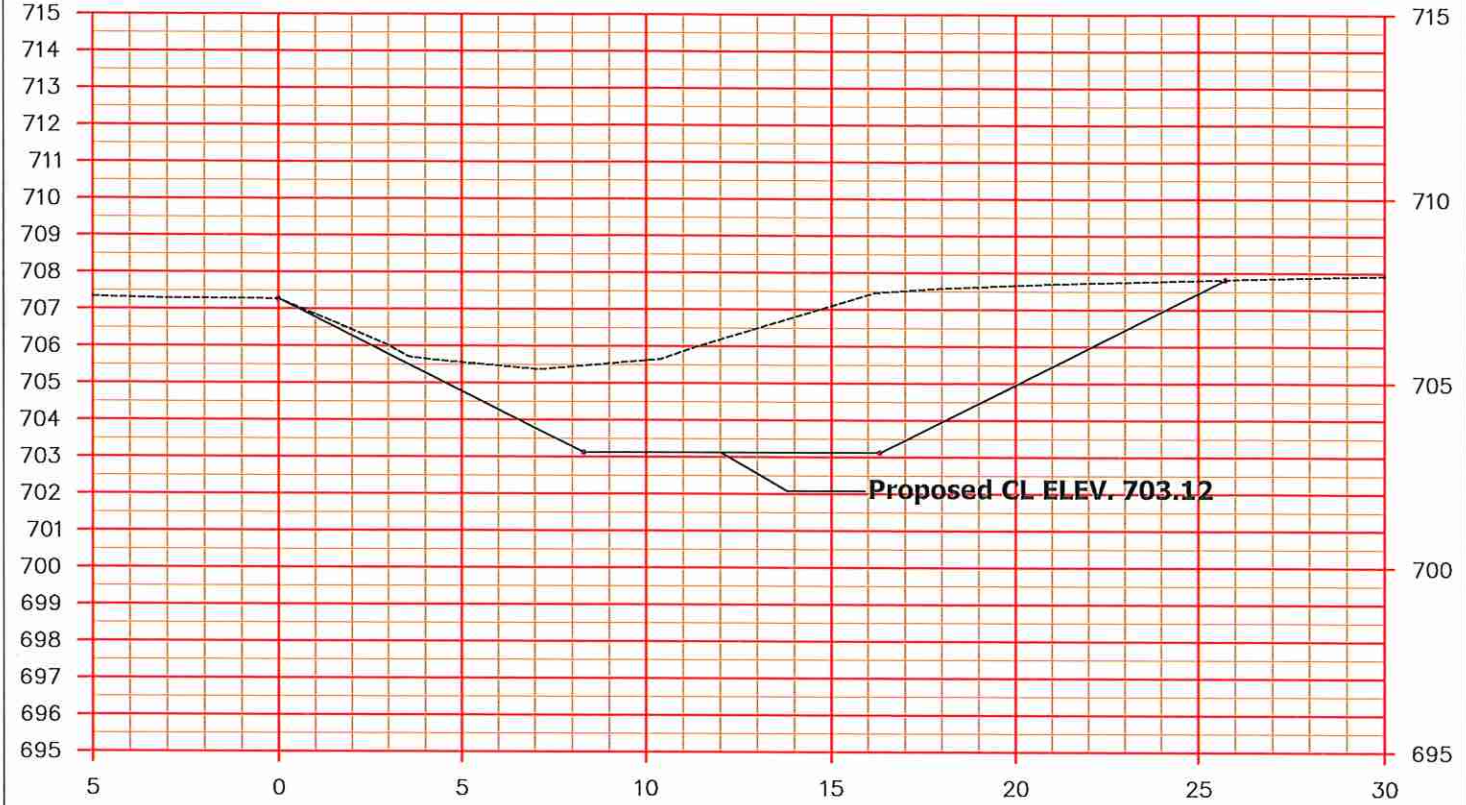


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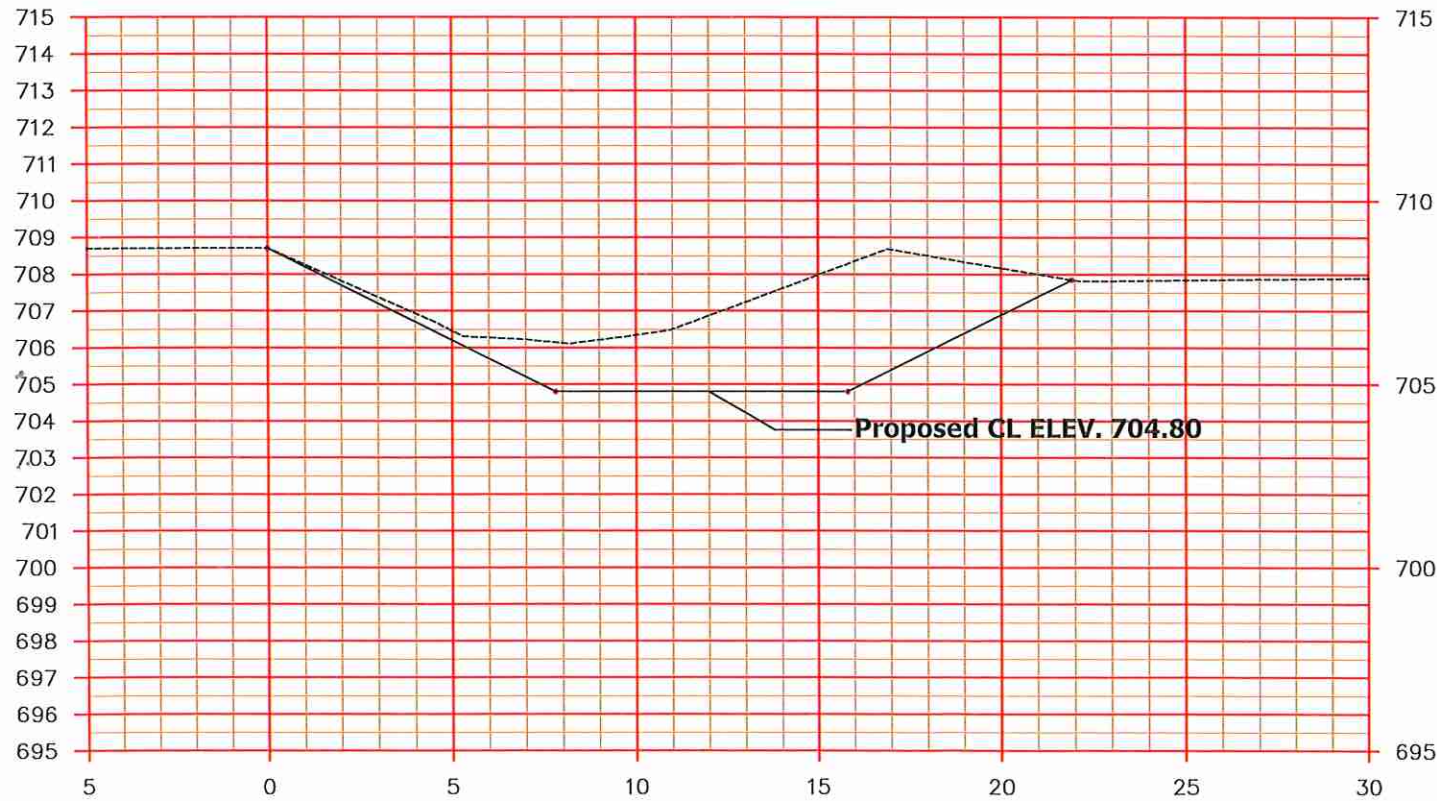
Cross Section Sta. 6+00 (Looking Upstream)



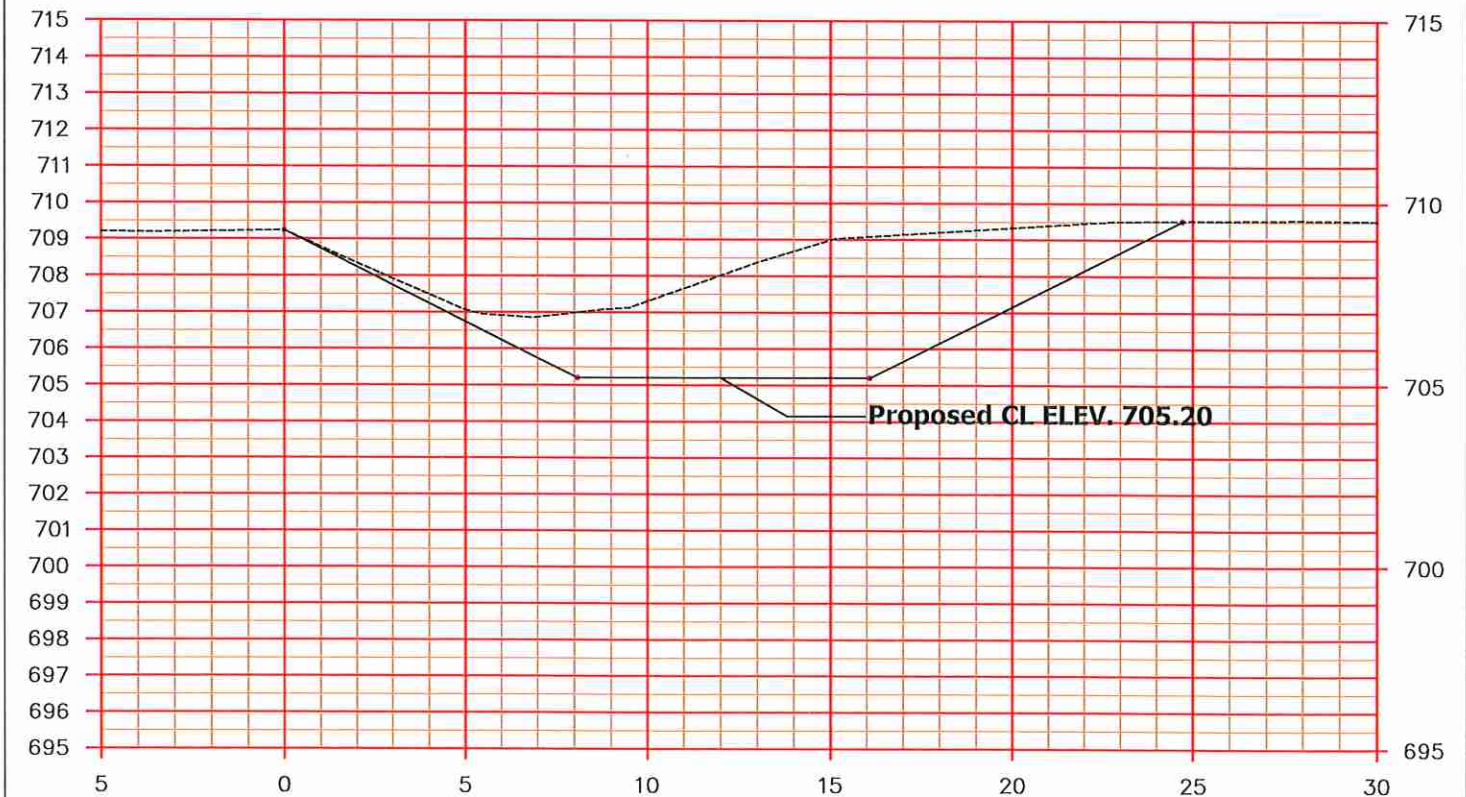
Cross Section Sta. 12+00 (Looking Upstream)



Cross Section Sta. 16+00 (Looking Upstream)



Cross Section Sta. 20+00 (Looking Upstream)

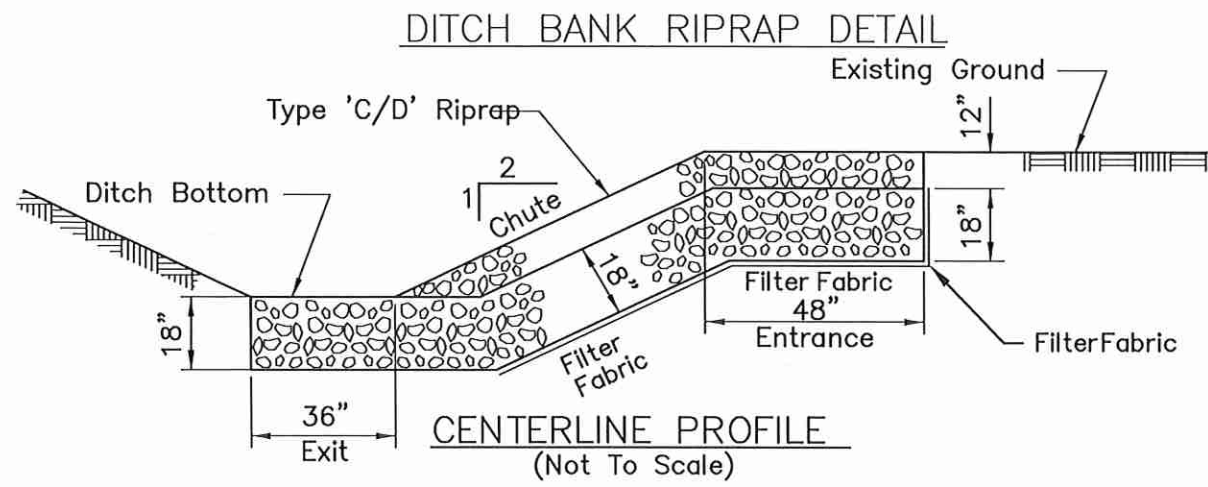


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 Approved _____

STEELE DITCH #23-04
 CROSS SECTIONS
 SECTION 10, DEFIANCE TWP., DEFIANCE CO. OHIO

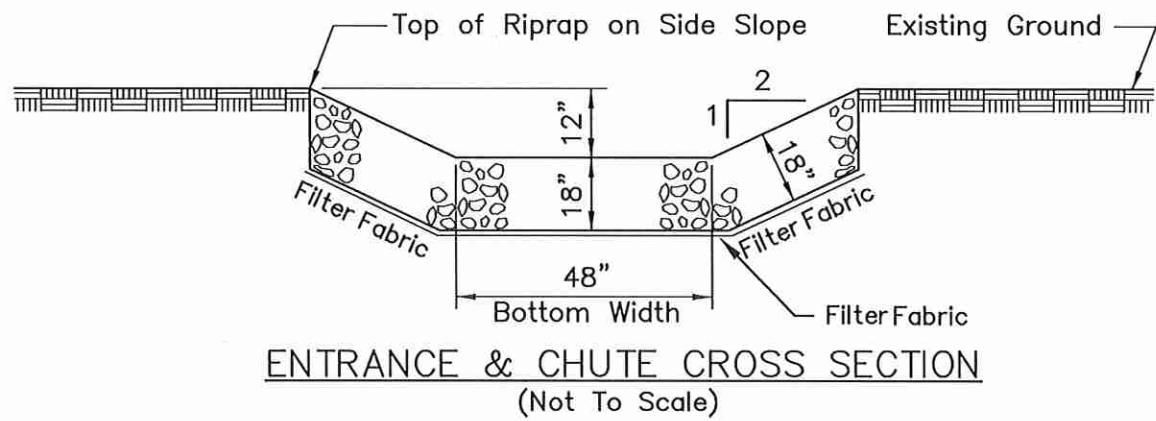


CAD FILE T.D. SteeleDitch
 DRAWING NUMBER OH-1-76-24-02

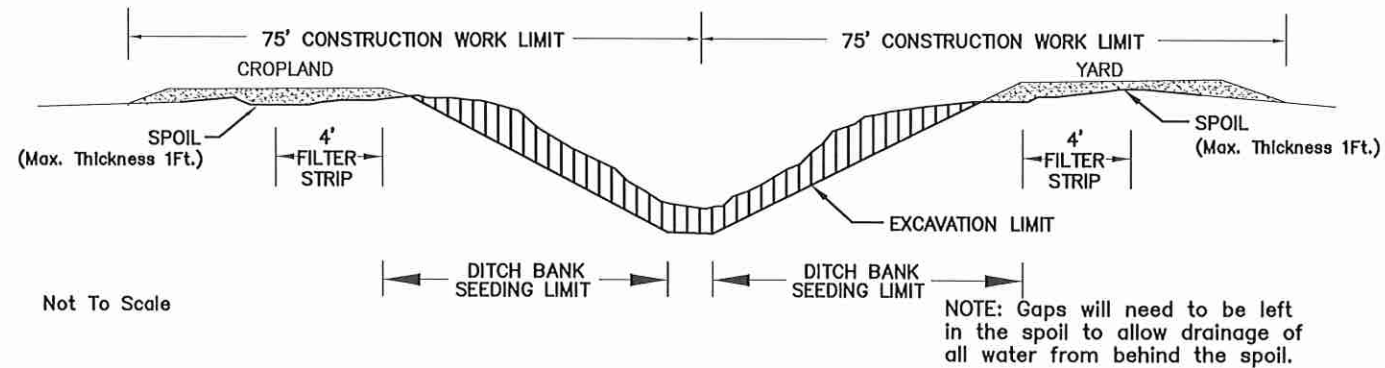


MAIN DITCH
(Location is LEFT to RIGHT looking UPSTREAM)

Station	Side of Channel	Estimated Cu. Yds.	Station	Side of Channel	Estimated Cu. Yds.
4+59	Left	5	12+68	Right	6.5
5+68	Left	5	13+87	Left	6
7+90	Left	5.5	16+15	Left	5
7+93	Right	6	17+80	Left	5
9+82	Right	6.5	17+95	Right	5
10+82	Left	6			



TYPICAL TWO SIDED CONSTRUCTION IN FARMGROUND



(Location is LEFT to RIGHT looking UPSTREAM)

Date 08/24
Designed Madison Gray
Drawn Madison Gray
Checked _____
Approved _____

STEELE DITCH #23-04
TYPICAL CROSS SECTION
SECTION 10, DEFIANCE TWP. DEFIANCE CO. OHIO

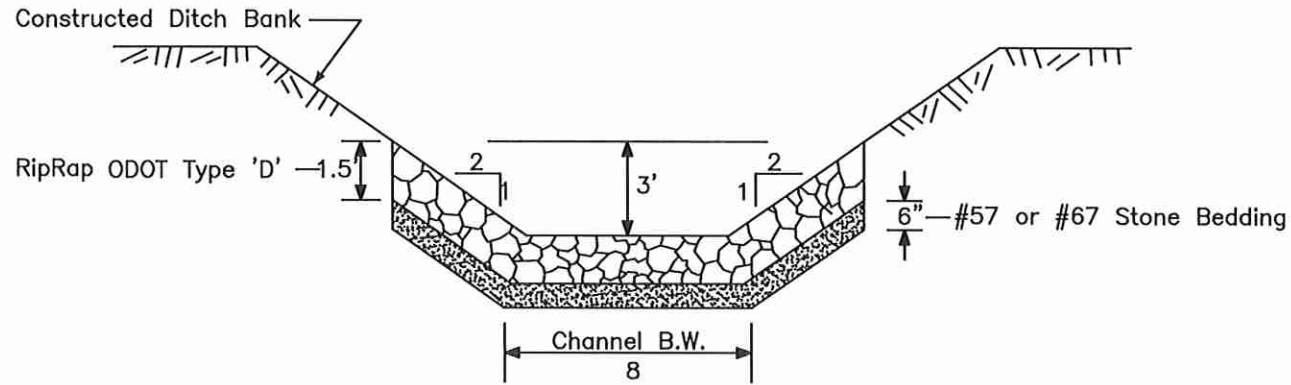
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RIPRAP CHANNEL LINING DETAIL

Sta. 14+18 to 14+40



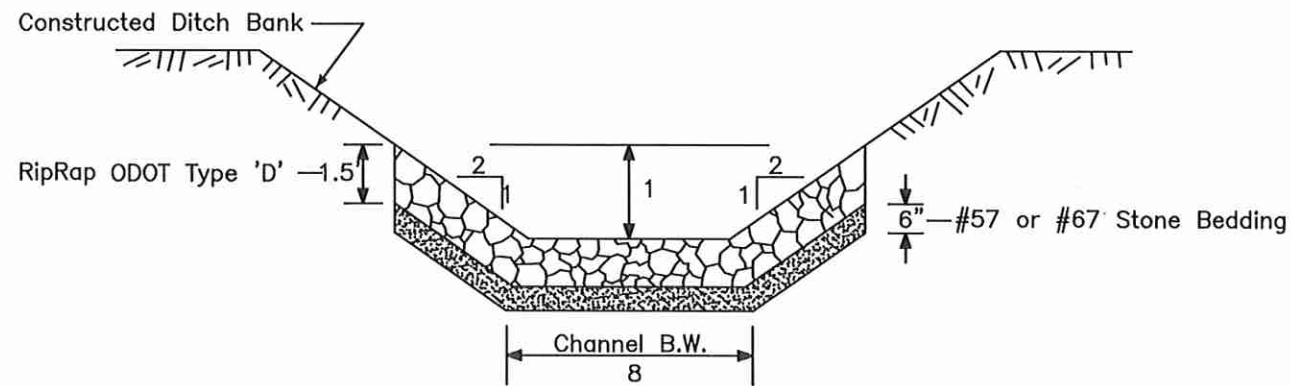
CROSS SECTION VIEW

(Not To Scale)

NOTE: Need to have a 10' long Entrance and 4' long Exit that will be installed on a 0.15% Grade.

RIPRAP CHANNEL LINING DETAIL

Sta. 21+28 to 21+36



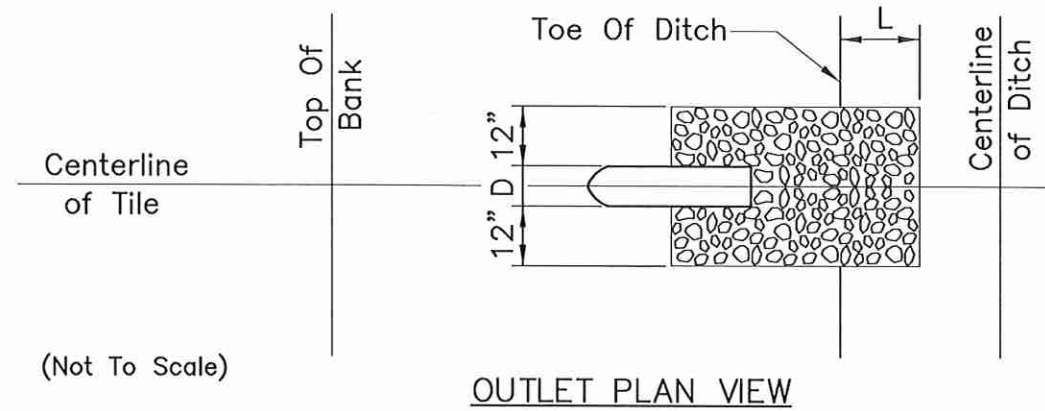
CROSS SECTION VIEW

(Not To Scale)

NOTE: Install at outlet of road culvert

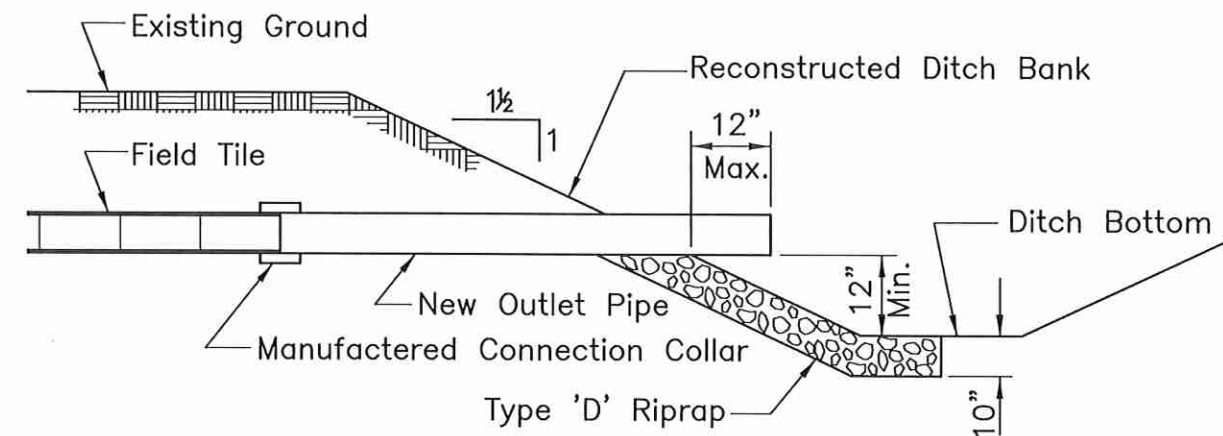
(Location is LEFT to RIGHT looking UPSTREAM)

SUBSURFACE TILE DRAIN OUTLETS



(Not To Scale)

OUTLET PLAN VIEW



Existing Tile Dia.	Outlet Pipe Length	Outlet Pipe Dia.	Material	L (Length)
4"	10'	4"	CPTS*	-
6"	10'	6"	CPTS*	2'
8"	10'	8"	CPTS*	2.5'
10"	20'	10"	CPTS*	3.0'
12"	20'	12"	CPTS*	3.5'
15"	20'	15"	CPTS*	4.0'

CPTS* CORRUGATED PLASTIC TUBING SMOOTH INSIDE WALL

All pipes installed by the contractor will have Animal Guards installed at the time of construction. The guards shall be manufactured flap type and approved by the inspector.

Exact number and location of outlet pipes to be installed will be determined at time of construction



STATION	SIDE OF CHANNEL	EXISTING		NEW OUTLET PIPE			ESTIMATED RIPRAP CU. YDS.
		DIAMETER	MATERIAL	DIAMETER	LENGTH	MATERIAL	
11+18	RIGHT	4"	CPT	4"	10'	CPTS	N/A
11+37	RIGHT	4"	CPT	4"	10'	CPTS	N/A
12+18	RIGHT	4"	CPT	4"	10'	CPTS	N/A
12+40	RIGHT	4"	CPT	4"	10'	CPTS	N/A
13+89	RIGHT	4"	CPT	4"	10'	CPTS	N/A

Date 08/24
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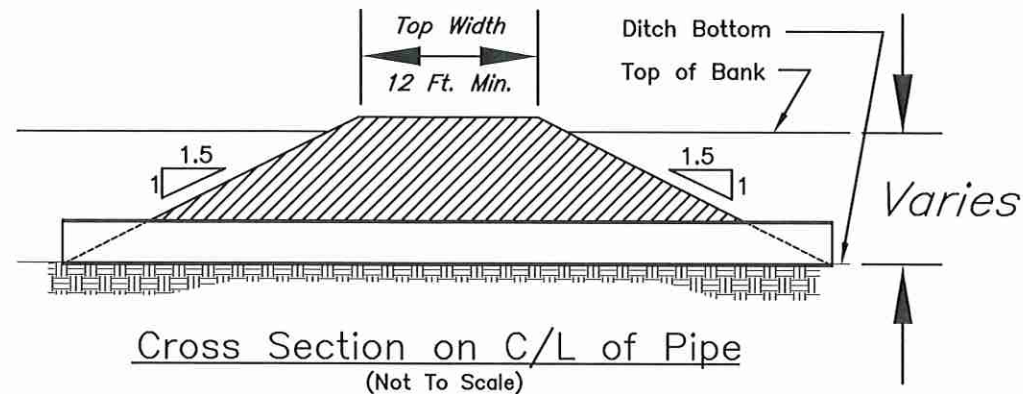
STEELE DITCH #23-04
 TILE OUTLET DETAIL
 SECTION 10, DEFIANCE TWP., DEFIANCE CO., OHIO

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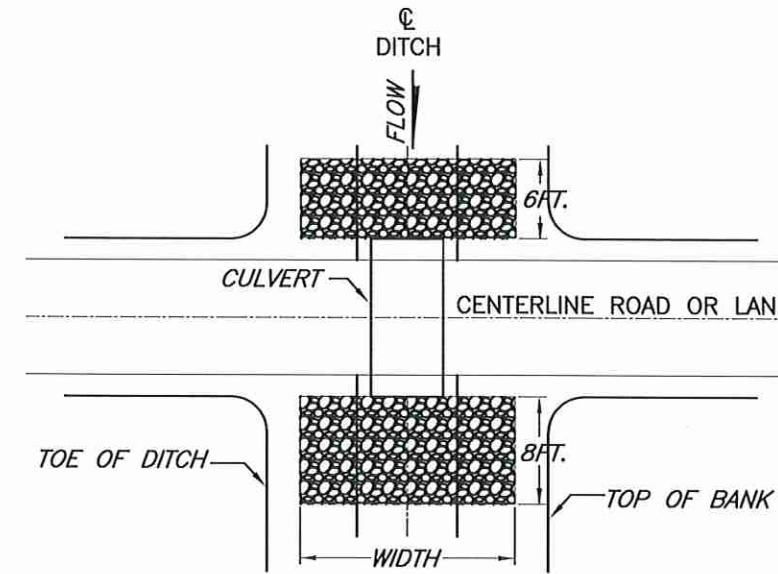
ACCESS CULVERT INSTALLATION DETAIL

STATION 3+93 to 4+23 MAIN



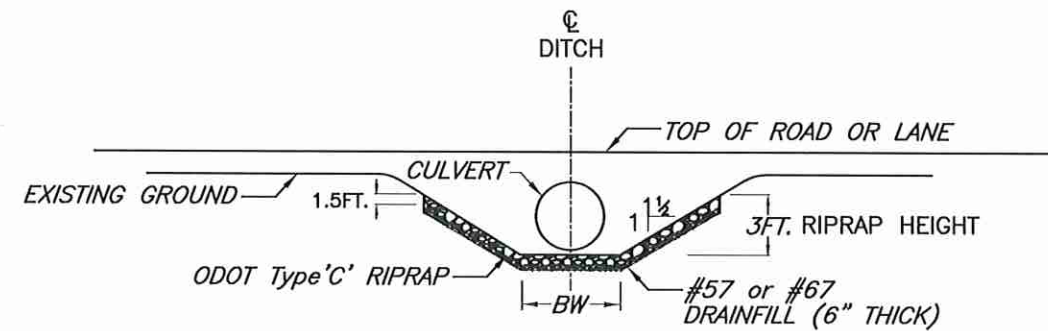
This Drive Pipe will need to be bedded and backfilled half way up sides with #57 or #67 stone.

RIPRAP PROTECTION AT CULVERTS DETAIL



$$WIDTH = BW + 2(RIPRAP HEIGHT \times SIDE SLOPE)$$

TOP VIEW



CROSS SECTION

(Not To Scale)

ACCESS DRIVE RIPRAP LOCATIONS

MAIN		
3+87	to	3+93
4+23	to	4+31

DESIGN DATA

Station To Station	% Grade	Bottom Width	Side Slopes (X:1)	Design Velocity (ft/sec)	Acres Drained	Qb (cfs)
3+93 - 4+23		30" CPTS			118	43
4+23 - 14+18	0.15%	8	2	2.63	118	43
14+18 - 14+40		ROCK LINED CHANNEL			97	16
14+40 - 21+30	0.15%	8	2	2.25	64	11
21+30 - 21+36		ROCKPAD			64	11

(Location is LEFT to RIGHT looking UPSTREAM)

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STEELE DITCH #23-04
 DRIVE CULVERT DETAIL
 SECTION 10, DEFIANCE TWP. DEFIANCE CO. OHIO

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