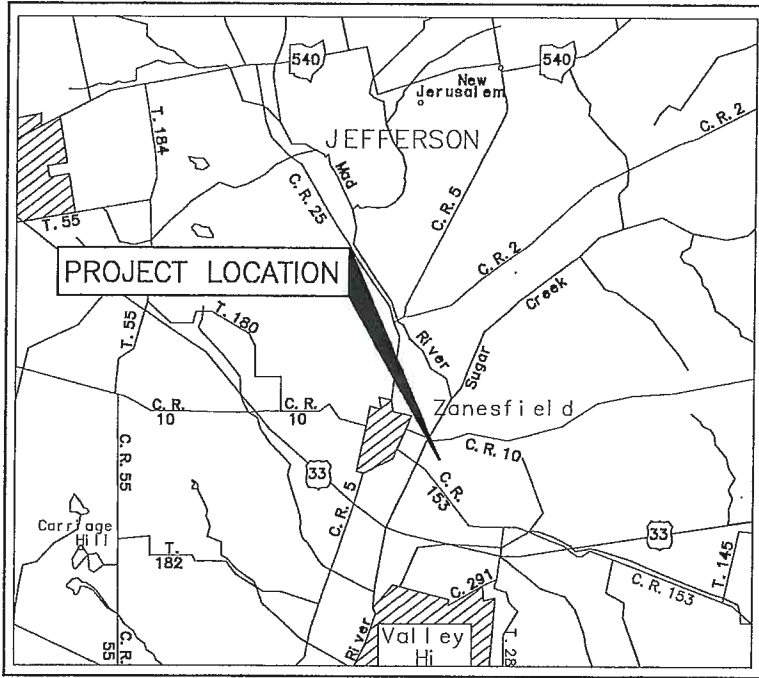


LOGAN COUNTY
ENGINEER'S OFFICE

SCOTT C. COLEMAN, P.E., P.S.
COUNTY ENGINEER

PROJECT DESCRIPTION

Relocating and constructing approximately 1,200 feet of open ditch starting at the west property line of Zanesfield Chamber of Commerce and ending at the Mad River. Removal of a small section of woods. Installation of two culvert pipes, placed at the same location, to maintain the existing driveway through the Chamber's park. Existing ditch along CR 153 will be filled in. Spreading of the spoil on the east field of the Chamber's park and grading and seeding of the spoil. Poor quality spoil is to be removed from the site.



LOCATION MAP

PORTION TO BE IMPROVED _____
STATE AND FEDERAL ROUTES _____
OTHER ROADS _____

DESIGN DESIGNATION

CURRENT A.D.T. (2016) _____ N/A
DESIGN YEAR A.D.T. (2036) _____ N/A
DESIGN HOURLY VOLUME (2036) _____ N/A
DIRECTIONAL DISTRIBUTION _____ 50%
TRUCKS (24 HOUR B&C) _____ N/A
DESIGN SPEED _____ N/A
LEGAL SPEED _____ N/A
DESIGN FUNCTIONAL CLASSIFICATION _____ LOCAL

GENERAL NOTES

- CONTRACTOR SHALL ADHERE TO O.D.O.T. CONSTRUCTION AND MATERIALS SPECIFICATIONS, DATED JANUARY 1, 2013.
- STAKING WILL BE DONE BY THE LOGAN COUNTY ENGINEER'S OFFICE.
- TREES TO BE REMOVED BY OTHERS UNLESS OTHERWISE NOTED.
- STOCKPILE SPOIL AT LOCATION SPECIFIED BY CHAMBER OF COMMERCE (MATT WILEY).
- CALL THE OHIO UTILITIES PROTECTION SERVICE (800-362-2764) AT LEAST TWO WORKING DAYS BEFORE YOU DIG.



ZANESFIELD DRAINAGE PROJECT
PHASE 1

VILLAGE OF ZANESFIELD
2016

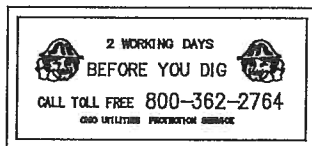
INDEX OF SHEETS

TITLE SHEET _____ 1
SITE PLAN _____ 2
PLAN & PROFILE _____ 3-4
CROSS-SECTIONS _____ 5-11

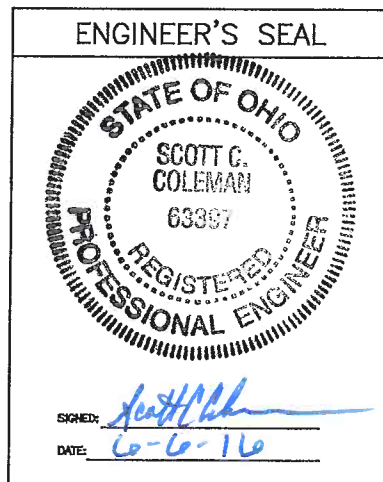
APPROVALS

WE, THE VILLAGE OF ZANESFIELD OF LOGAN COUNTY, OHIO, HEREBY APPROVE THESE PLANS AND DECLARE THAT THE NECESSARY RIGHT-OF-WAY IS AVAILABLE FOR THIS IMPROVEMENT.

6-6-2016
DATE
VILLAGE OF ZANESFIELD



PLANS PREPARED BY:
LOGAN COUNTY ENGINEER'S OFFICE
1991 C.R. 13, P.O. BOX 427
BELLEFONTAINE, OHIO 43311

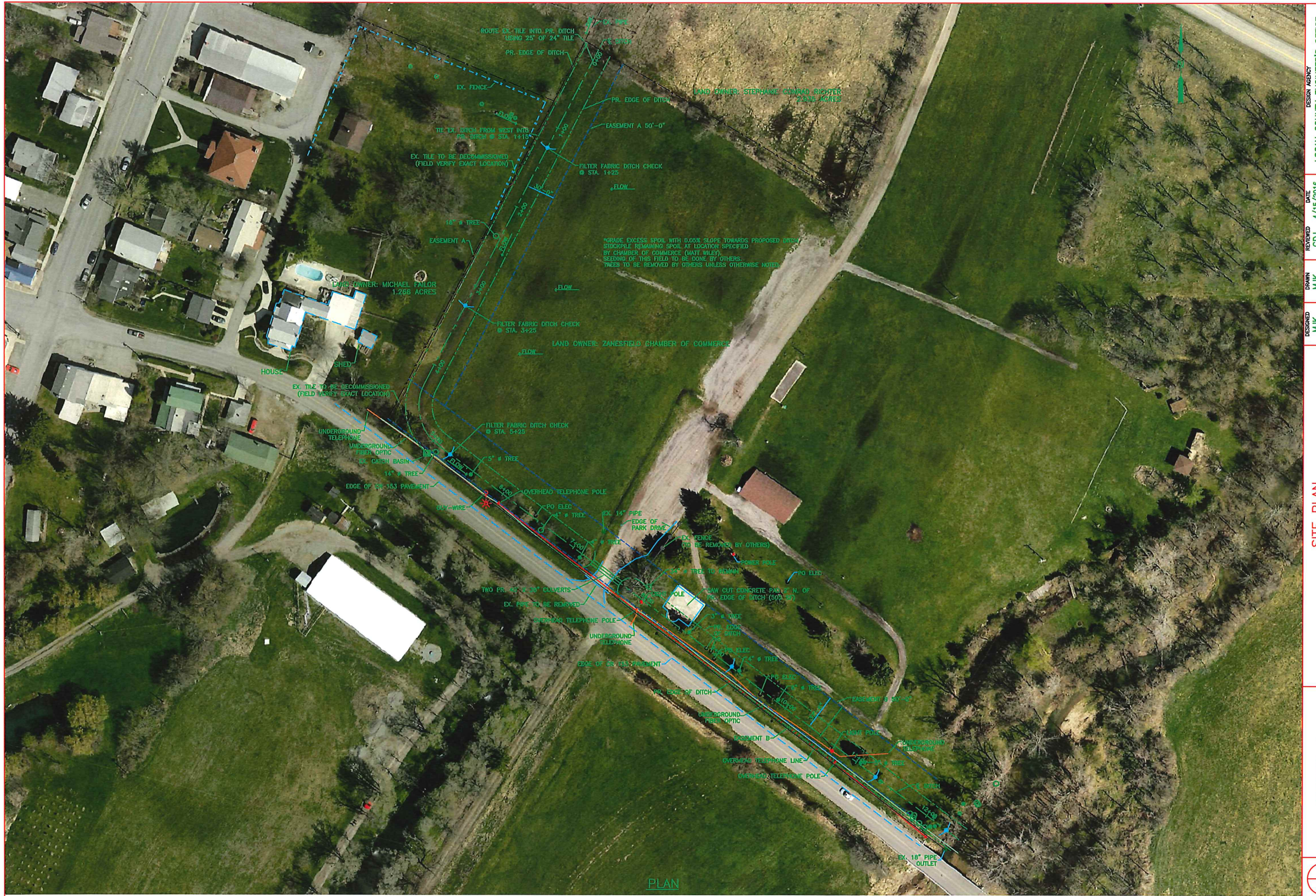


STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS

I HEREBY APPROVE THIS PLAN AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING OF THE HIGHWAY TO THROUGH TRAFFIC, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THESE PLANS AND ESTIMATES.

6-6-16
DATE
LOGAN COUNTY, OHIO, ENGINEER

FEDERAL PROJECT NO. NON-FEDERAL
PID NO. NONE
WORK ORDER NO. 5710
RAILROAD INVOLVEMENT NONE
PHASE 1
1/11



PLAN

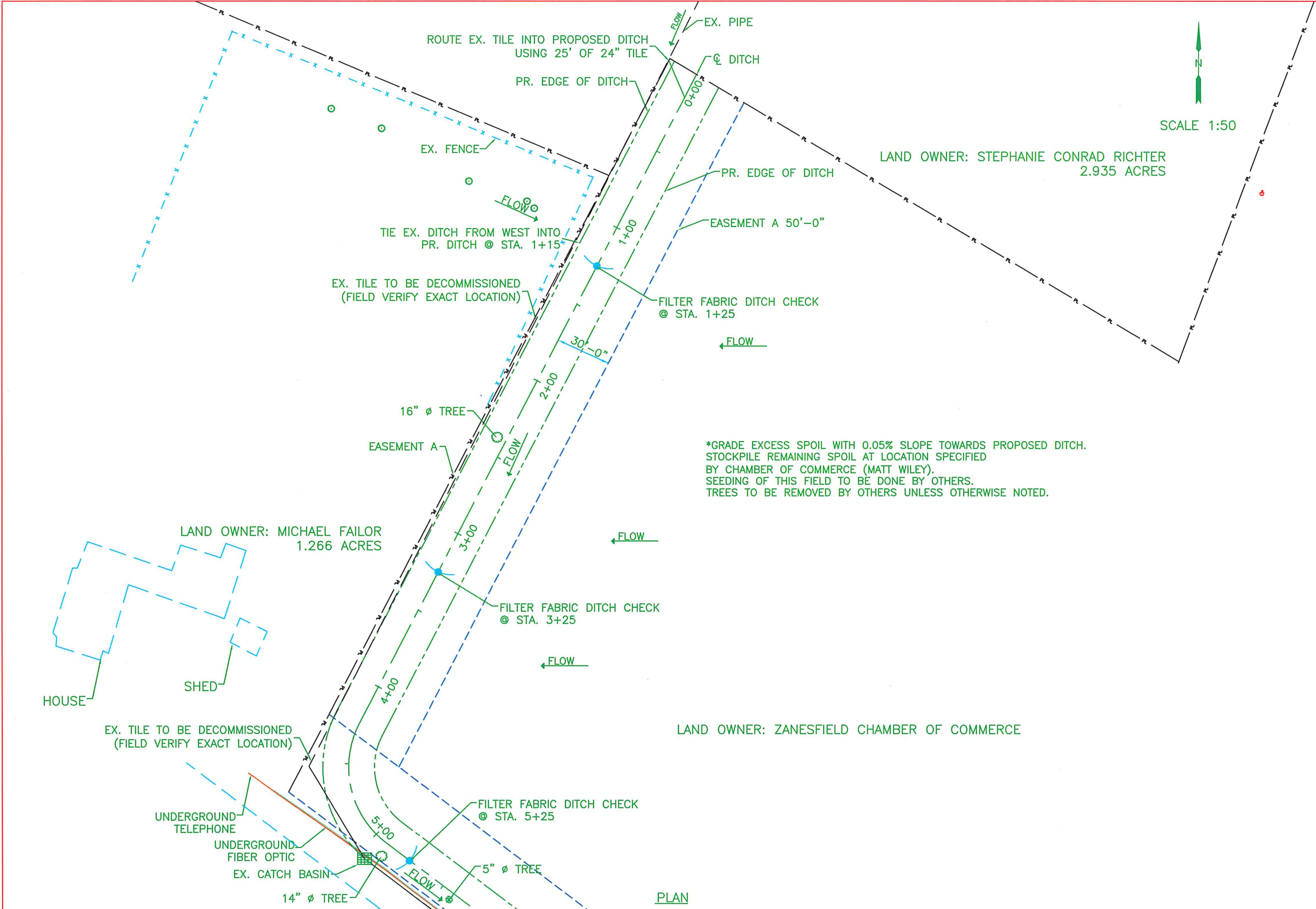
DESIGN AGENCY
 LOGAN COUNTY ENGINEER'S OFFICE
 1991 C.R. 13, P.O. BOX 427
 BELLEFONTAINE, OHIO 43311

DATE 4/15/2016
 REVIEWED CDU
 DRAWN MJK
 CHECKED SCC

WORK ORDER NUMBER 5710

PHASE 1
 STA. 0+00 TO 13+00

2
 11



SCALE 1:50

LAND OWNER: STEPHANIE CONRAD RICHTER
2.935 ACRES

LAND OWNER: MICHAEL FAILOR
1.266 ACRES

LAND OWNER: ZANESFIELD CHAMBER OF COMMERCE

*GRADE EXCESS SPOIL WITH 0.05% SLOPE TOWARDS PROPOSED DITCH.
STOCKPILE REMAINING SPOIL AT LOCATION SPECIFIED
BY CHAMBER OF COMMERCE (MATT WILEY).
SEEDING OF THIS FIELD TO BE DONE BY OTHERS.
TREES TO BE REMOVED BY OTHERS UNLESS OTHERWISE NOTED.

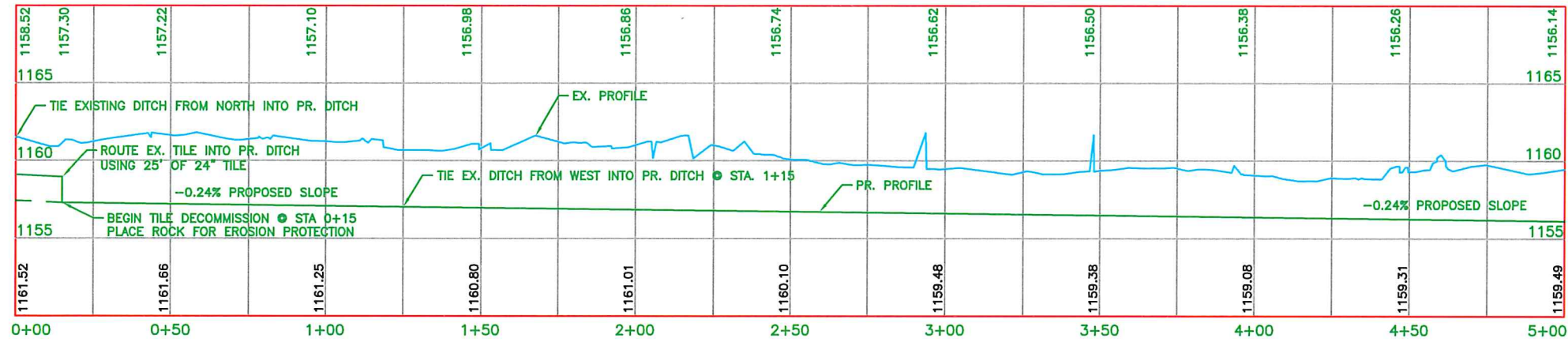
PLAN

DESIGNED	MJK	CHECKED	SCC
DRAWN	MJK	REVISED	.
REVIEWED	CDU	DATE	4/15/2016
WORK ORDER NUMBER	5710	DESIGN AGENCY	LOGAN COUNTY ENGINEER'S OFFICE 1991 C.R. 13, P.O. BOX 427 BELLEFONTAINE, OHIO 43311

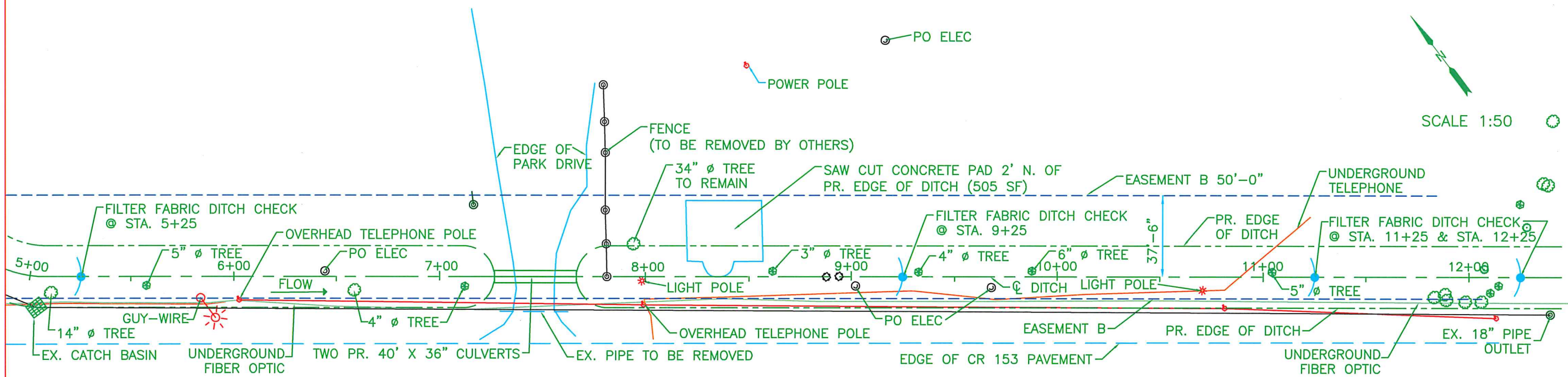
PLAN
STA. 0+00 TO 5+00

PHASE 1

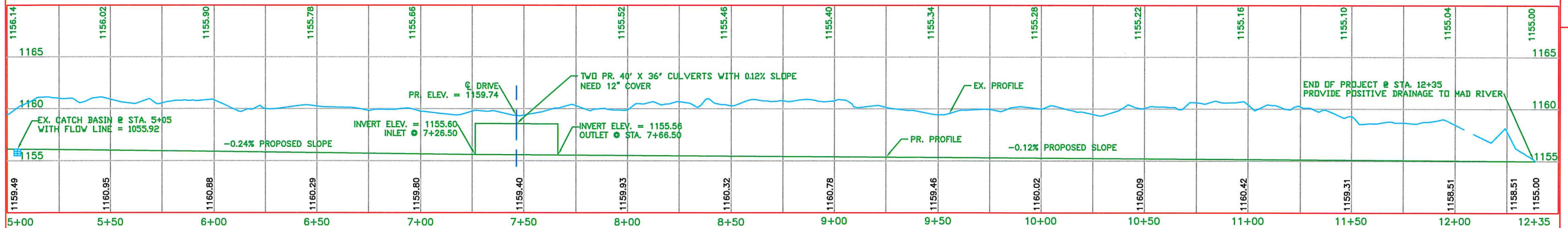
3
11



PROFILE ALONG \bar{C} PROPOSED DITCH 0+00 to 5+00



PLAN

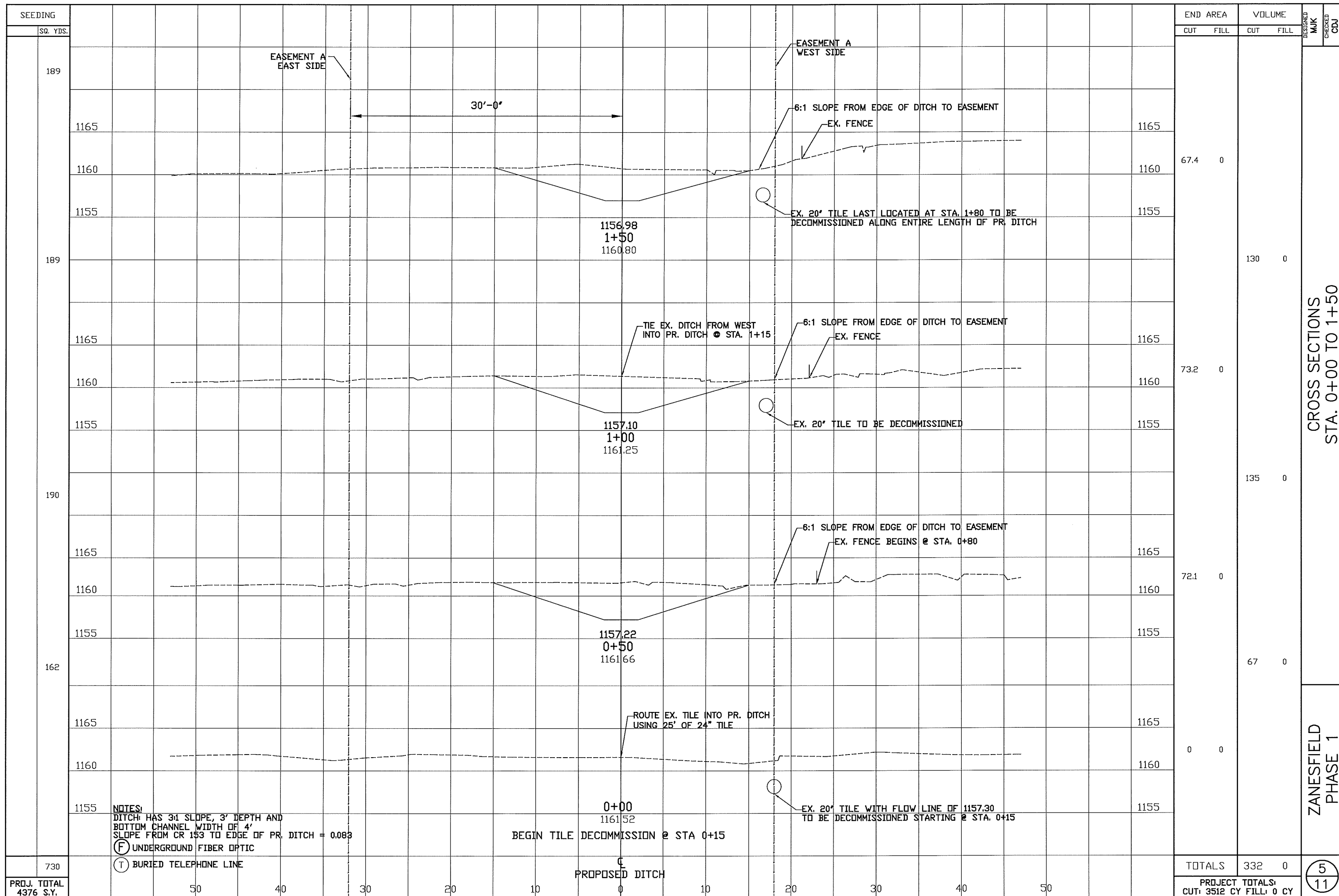


PROFILE ALONG \bar{C} PROPOSED DITCH 5+00 to 13+00

DESIGNED	MAJK	CHECKED	SCC
DRAWN	MAJK	REVISED	
REVIEWED	CDU	DATE	4/15/2016
WORK ORDER NUMBER	5710		

PLAN STA. 5+00 TO 13+00
& PROFILE STA. 0+00 TO 13+00

PHASE 1



SEEDING	SQ. YDS.	END AREA		VOLUME		DESIGNED	CHECKED
		CUT	FILL	CUT	FILL		
189							
1165							
1160		67.4	0				
1155							
189				130	0		
1165							
1160		73.2	0				
1155							
190				135	0		
1165							
1160		72.1	0				
1155							
162				67	0		
1165							
1160		0	0				
1155							
730							
PROJ. TOTAL		TOTALS		332	0		
4376 S.Y.		PROJECT TOTALS:		CUT: 3512 CY	FILL: 0 CY		

CROSS SECTIONS
STA. 0+00 TO 1+50

ZANESFIELD
PHASE 1

5
11

NOTES:
DITCH HAS 3:1 SLOPE, 3' DEPTH AND
BOTTOM CHANNEL WIDTH OF 4'
SLOPE FROM CR 153 TO EDGE OF PR. DITCH = 0.083
ⓕ UNDERGROUND FIBER OPTIC
ⓧ BURIED TELEPHONE LINE

BEGIN TILE DECOMMISSION @ STA 0+15

PROPOSED DITCH

EX. 20" TILE WITH FLOW LINE OF 1157.30
TO BE DECOMMISSIONED STARTING @ STA. 0+15

ROUTE EX. TILE INTO PR. DITCH
USING 25' OF 24" TILE

6:1 SLOPE FROM EDGE OF DITCH TO EASEMENT
EX. FENCE BEGINS @ STA. 0+80

EX. 20" TILE TO BE DECOMMISSIONED

TIE EX. DITCH FROM WEST
INTO PR. DITCH @ STA. 1+15

EX. 20" TILE LAST LOCATED AT STA. 1+80 TO BE
DECOMMISSIONED ALONG ENTIRE LENGTH OF PR. DITCH

6:1 SLOPE FROM EDGE OF DITCH TO EASEMENT
EX. FENCE

EASEMENT A
WEST SIDE

EASEMENT A
EAST SIDE

30'-0"

1156.98
1+50
1160.80

1157.10
1+00
1161.25

1157.22
0+50
1161.66

0+00
1161.52

1165

1160

1155

1165

1160

1155

1165

1160

1155

1165

1160

1155

189

189

190

162

730

50

40

30

20

10

0

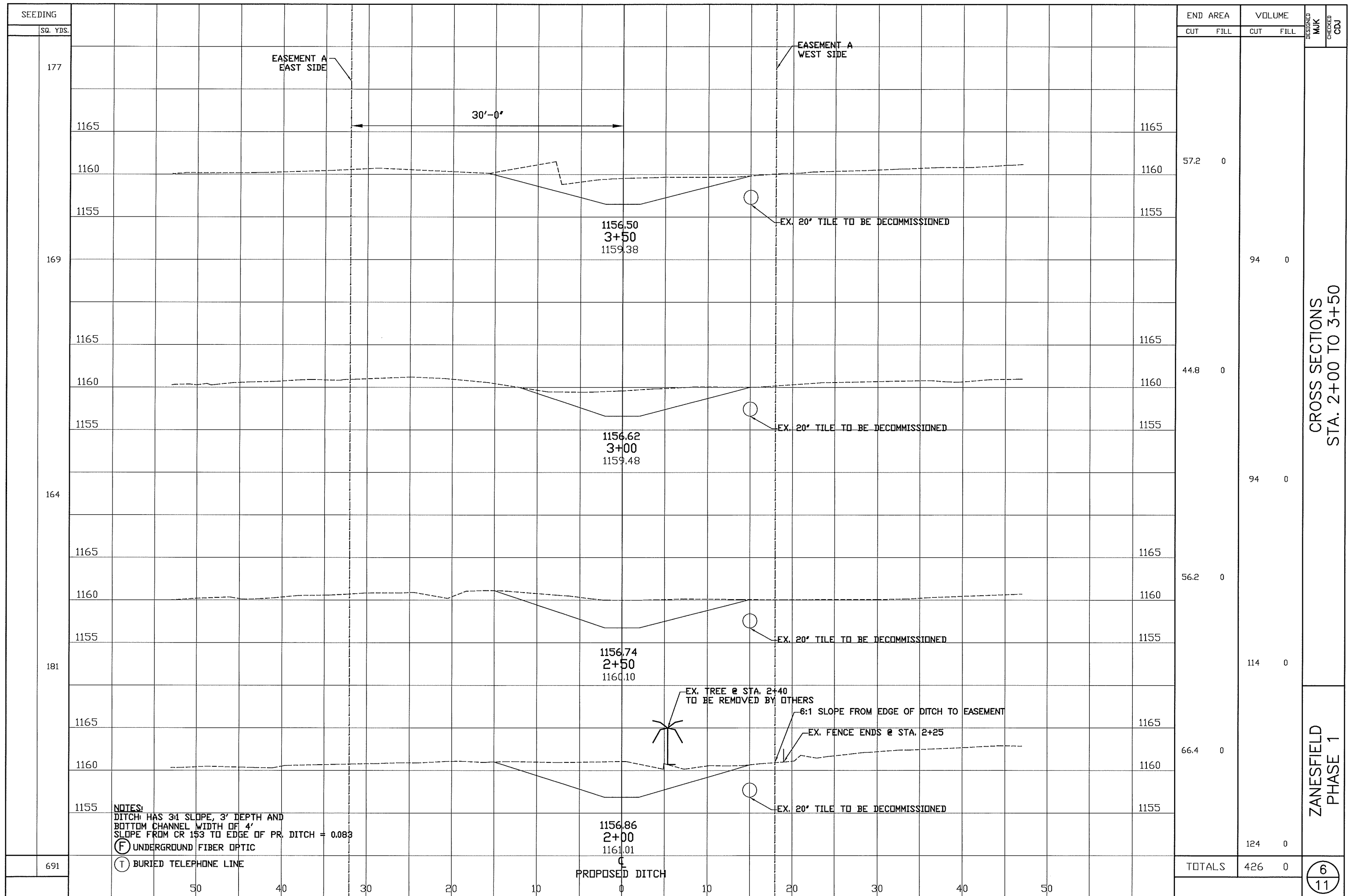
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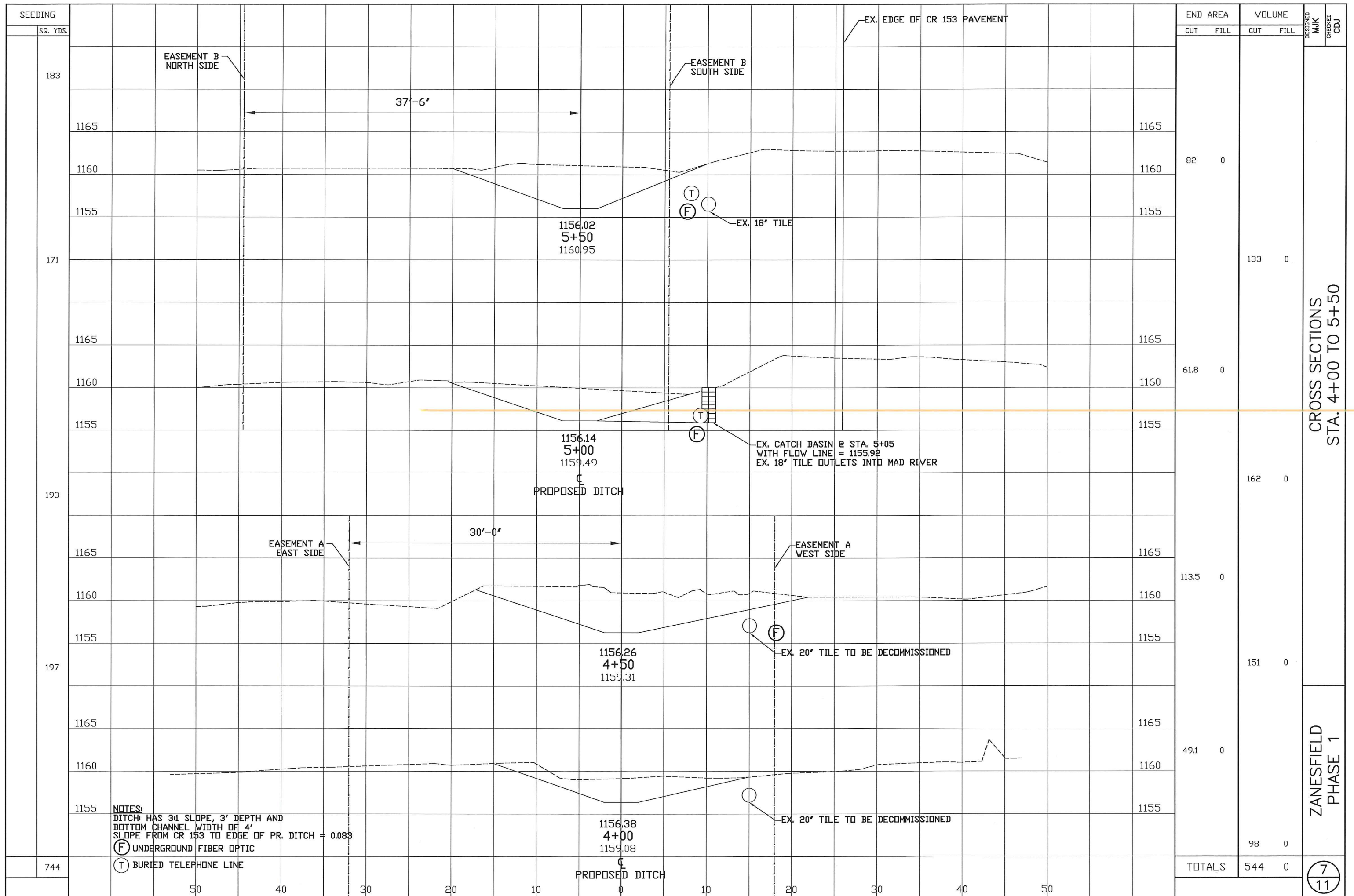
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30

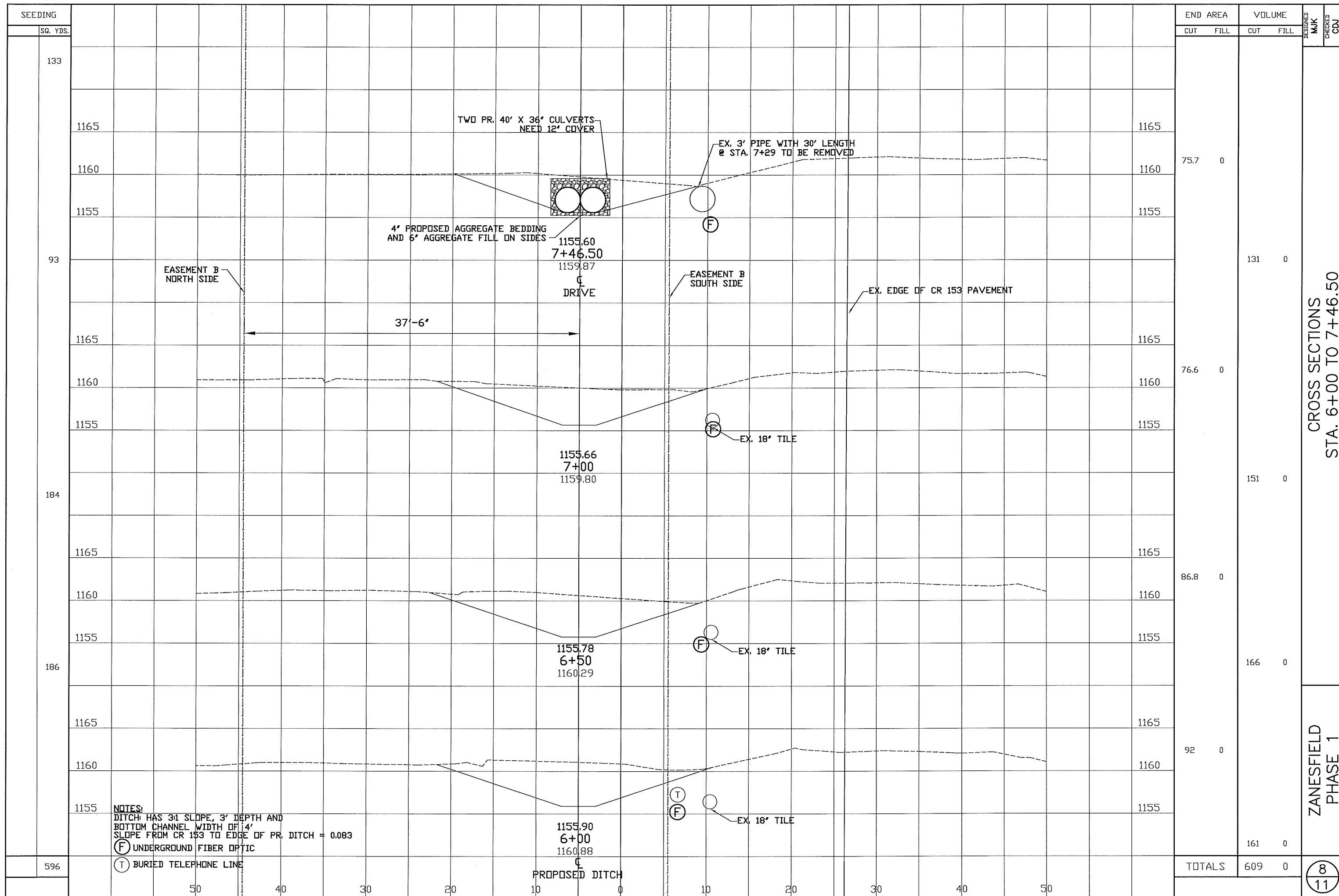
40

50





END AREA	VOLUME		DESIGNED	MJK	CHECKED	CDJ
	CUT	FILL				
	82	0				
						133 0
	61.8	0				
						162 0
	113.5	0				
						151 0
	49.1	0				
						98 0
TOTALS	544	0				



SEEDING	SQ. YDS.	END AREA		VOLUME		DESIGNED	CHECKED
		CUT	FILL	CUT	FILL		
133							
1165							
1160		75.7	0				
1155							
93				131	0		
1165							
1160		76.6	0				
1155							
184				151	0		
1165							
1160		86.8	0				
1155							
186				166	0		
1165							
1160		92	0				
1155							
596				161	0		
		TOTALS		609	0		

CROSS SECTIONS
STA. 6+00 TO 7+46.50

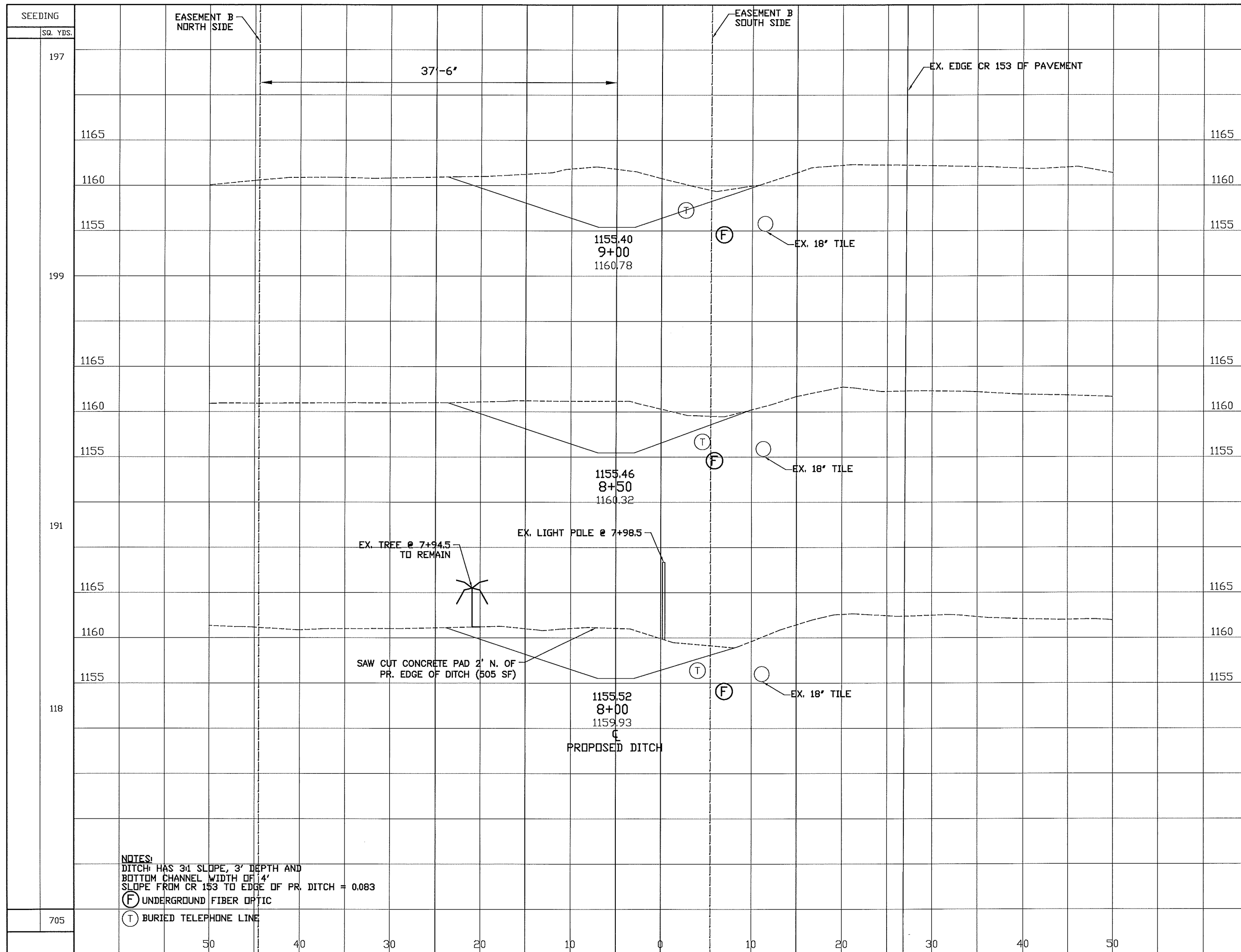
ZANESFIELD
PHASE 1

8
11

NOTES:
DITCH HAS 3:1 SLOPE, 3' DEPTH AND
BOTTOM CHANNEL WIDTH OF 14'
SLOPE FROM CR 153 TO EDGE OF PR. DITCH = 0.083
(F) UNDERGROUND FIBER OPTIC
(T) BURIED TELEPHONE LINE

PROPOSED DITCH

50 40 30 20 10 0 10 20 30 40 50



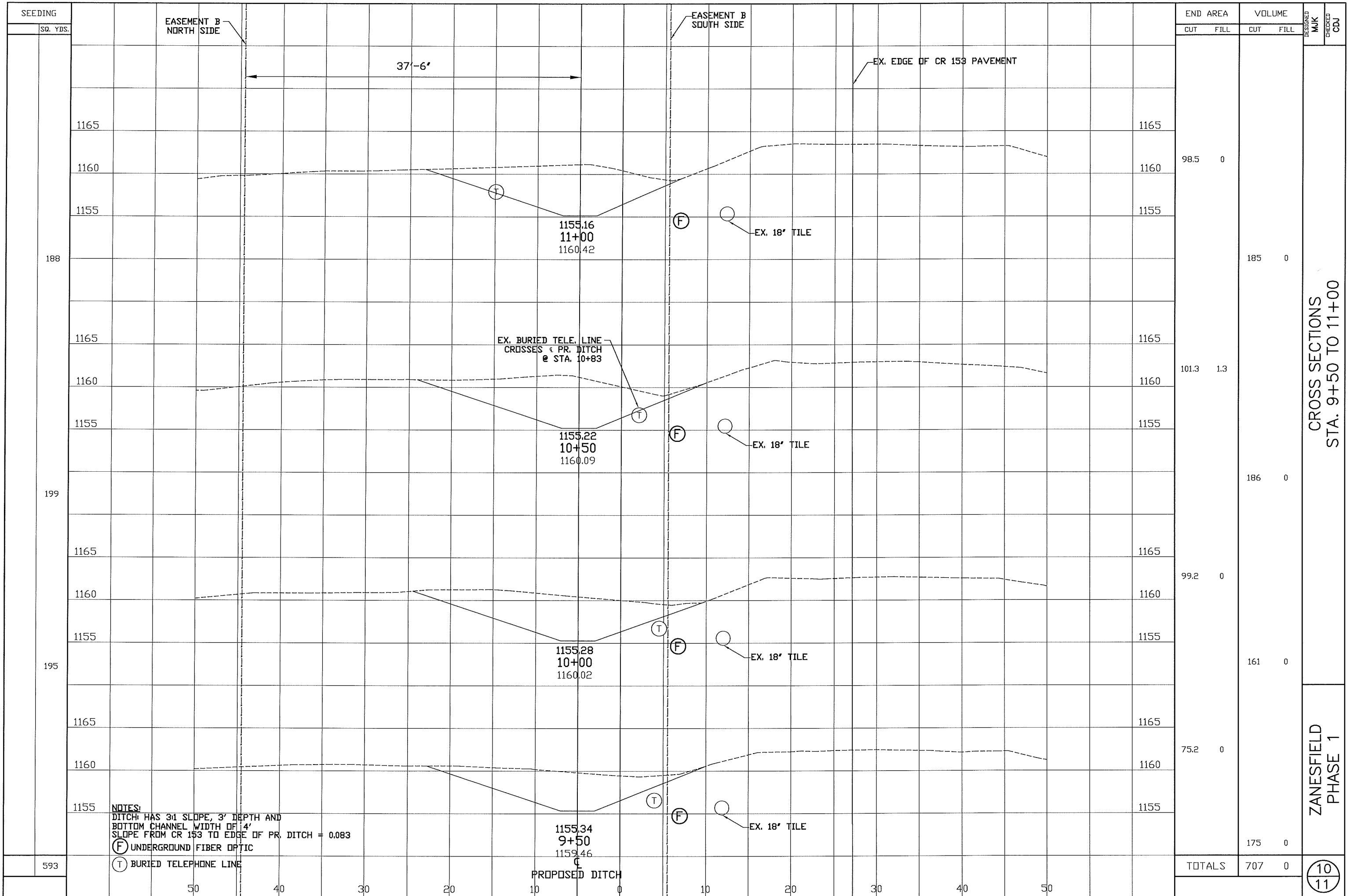
SEEDING		END AREA		VOLUME		DESIGNED	CHECKED
SQ. YDS.	CUT	FILL	CUT	FILL	MJK	CDJ	
197	1165	1160	113.5	0			
199	1165	1160					
191	1165	1160	97.8	0			
118	1165	1160	94	0			
	1155	1150	168	0			
	TOTALS		646	0			

CROSS SECTIONS
STA. 8+00 TO 9+00

ZANESFIELD
PHASE 1

NOTES:
DITCH HAS 3:1 SLOPE, 3' DEPTH AND
BOTTOM CHANNEL WIDTH OF 14'
SLOPE FROM CR 153 TO EDGE OF PR. DITCH = 0.083

(F) UNDERGROUND FIBER OPTIC
(T) BURIED TELEPHONE LINE



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
1165				
1160	98.5	0		
1155				
188			185	0
1165				
1160	101.3	1.3		
1155				
199			186	0
1165				
1160	99.2	0		
1155				
195			161	0
1165				
1160	75.2	0		
1155				
593			175	0
TOTALS			707	0

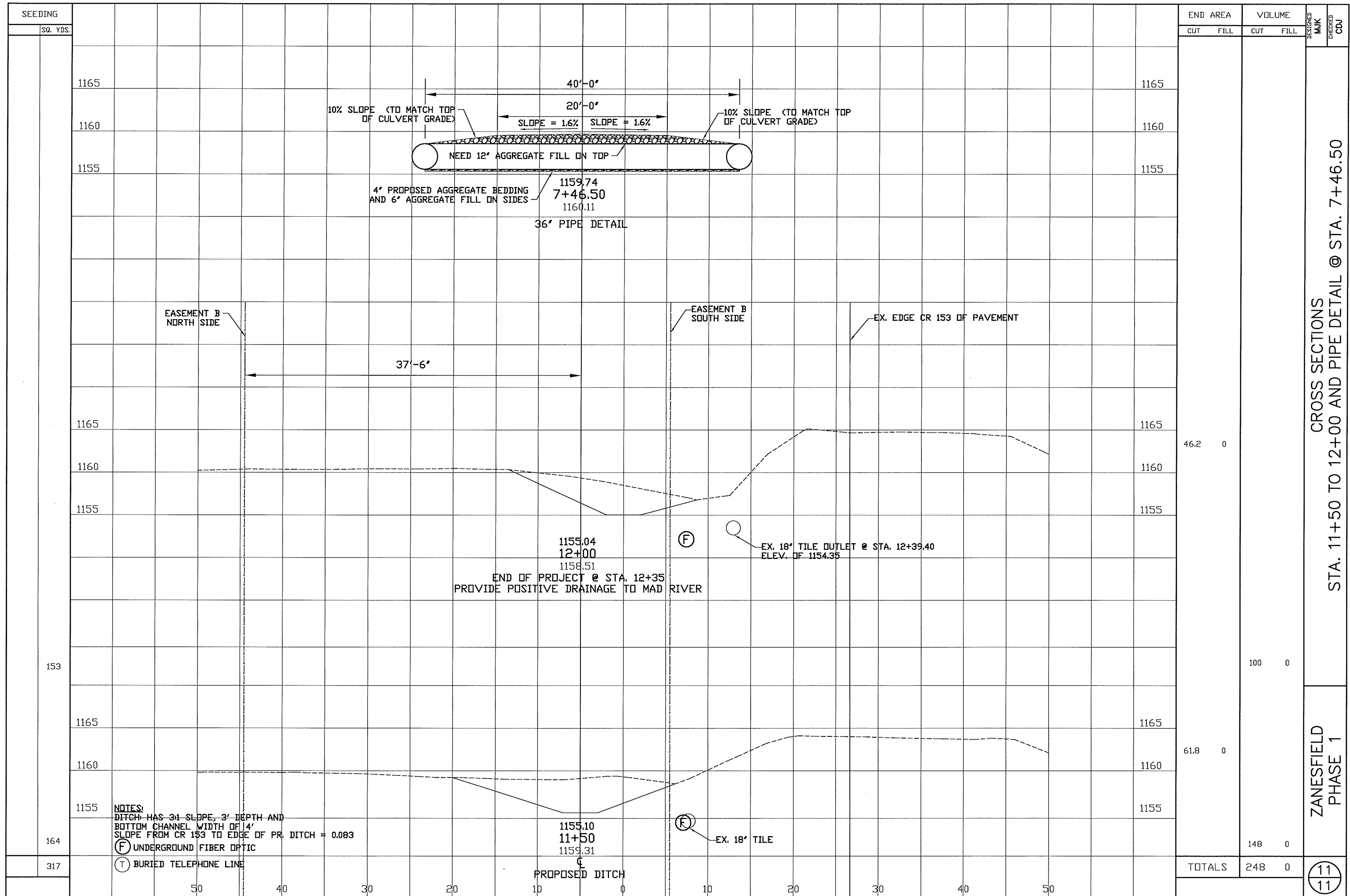
CROSS SECTIONS
STA. 9+50 TO 11+00

ZANESFIELD
PHASE 1

DESIGNED
MJK
CHECKED
CDU

NOTES:
DITCH HAS 3:1 SLOPE, 3' DEPTH AND
BOTTOM CHANNEL WIDTH OF 4'
SLOPE FROM CR 153 TO EDGE OF PR. DITCH = 0.083
(F) UNDERGROUND FIBER OPTIC
(T) BURIED TELEPHONE LINE

PROPOSED DITCH



SEEDING	SQ. YDS.	END AREA		VOLUME		DESIGNED MJK	CHECKED CDJ
		CUT	FILL	CUT	FILL		
1165							
1160							
1155							
1165							
1160		46.2	0				
1155							
153				100	0		
1165							
1160		61.8	0				
1155							
164				148	0		
317							
		TOTALS		248	0		

CROSS SECTIONS
 STA. 11+50 TO 12+00 AND PIPE DETAIL @ STA. 7+46.50
 ZANESFIELD
 PHASE 1

NOTES:
 DITCH HAS 3:1 SLOPE, 3' DEPTH AND
 BOTTOM CHANNEL WIDTH OF 14'
 SLOPE FROM CR 153 TO EDGE OF PR. DITCH = 0.083
 (F) UNDERGROUND FIBER OPTIC
 (T) BURIED TELEPHONE LINE

END OF PROJECT @ STA. 12+35
 PROVIDE POSITIVE DRAINAGE TO MAD RIVER

EX. 18" TILE OUTLET @ STA. 12+39.40
 ELEV. OF 1154.35

EX. 18" TILE

PROPOSED DITCH

11
 11