

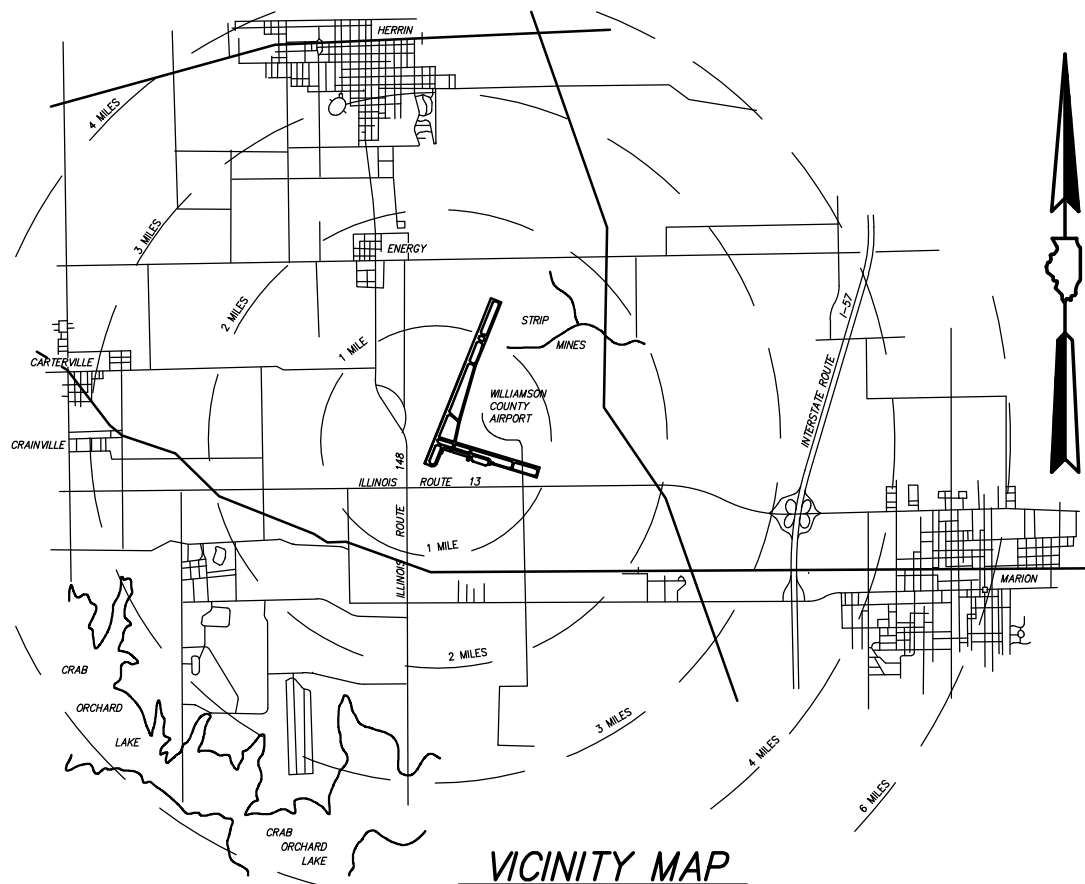
# CONSTRUCTION PLANS FOR WILLIAMSON COUNTY REGIONAL AIRPORT CONSTRUCT A NEW FIRE STATION ACCESS ROAD MARION - HERRIN, WILLIAMSON COUNTY, ILLINOIS DATE : MARCH 22, 2012

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	320	
AR152440	BORROW EXCAVATION	C.Y.	250	
AR156510	SILT FENCE	L.F.	400	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	370	
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	1526	
AR501508	8" PCC PAVEMENT	S.Y.	1420	
AR901510	SEEDING	ACRE	2.0	
AR908510	MULCHING	ACRE	2.0	

ILLINOIS PROJECT No. MWA-4170  
AIP PROJECT No. 3-17-0065-B3

INDEX OF SHEETS

- 1. COVER
- 2. SAFETY PLAN
- 3. TYPICAL SECTION
- 4. PLAN SHEETS
- 5.-6. CROSS SECTIONS



LATITUDE 37° 45' 15"  
LONGITUDE 89° 00' 45"  
ELEVATION 471.00

**BOARD MEMBERS**

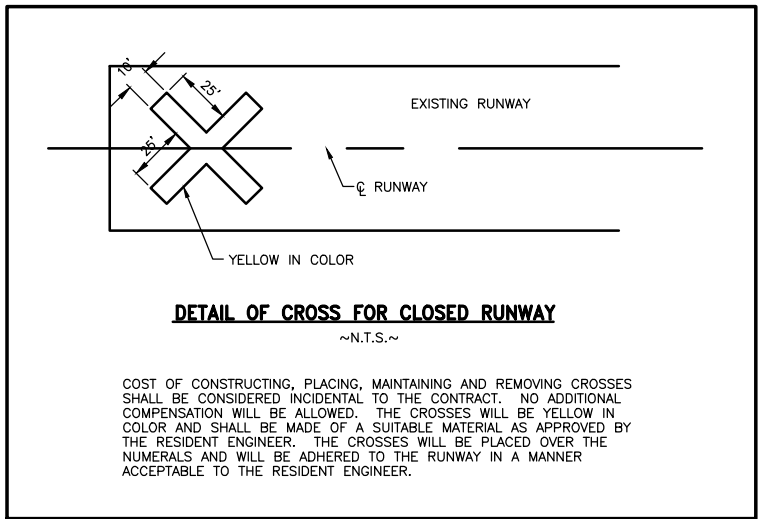
CHAIRMAN : CARL PLANINC  
MEMBERS : BERNARD A. PAUL  
DARREN PULLEY  
RICHARD PISONI  
SECRETARY : CRAIG PILLATSCH  
AIRPORT DIRECTOR : DOUGLAS KIMMEL



EXPIRES : NOVEMBER 30, 2013

PROJECT NO. 11126

PLANS PREPARED BY : <b>CLARIDA &amp; ZIEGLER ENGINEERING CO.</b>	<b>WILLIAMSON COUNTY REGIONAL AIRPORT AUTHORITY</b>
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS NO. 53881 SUBMITTED <u>W. Brian Ziegler</u> ENGINEER W. BRIAN ZIEGLER DATE : <u>April 11</u> 2012	APPROVED <u>Carl Planinc</u> CHAIRMAN DATE : <u>APRIL 11</u> 2012 APPROVED <u>Craig H. Pillatsch</u> SECRETARY DATE : <u>APRIL 11</u> 2012



- GENERAL NOTES**
1. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS WHEN THE PROJECT IS COMPLETED.
  2. ALL AREAS UTILIZED BY THE CONTRACTOR FOR EQUIPMENT PARKING AND STORAGE SHALL BE KEPT CLEAN, MAINTAINED AND REPAIRED TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
  3. EXISTING TURF AREAS DISTURBED BY THE CONTRACTORS OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER.
  4. THE CONTRACTOR SHALL WORK ONLY IN THE LIMITS SHOWN ON THE PLANS. THE CONTRACTOR AND PERSONNEL WILL NOT BE ALLOWED WITHIN 93' OF AN ACTIVE TAXIWAY.
  5. THE CONTRACTOR SHOULD NOT WORK WITHIN 250 FEET OF EITHER RUNWAY CENTERLINE UNLESS THE RUNWAY IS CLOSED.
  6. THE RUNWAY MAY NOT BE REOPENED UNTIL ALL OPEN EXCAVATIONS/TRENCHES IN THE RSA ARE BACKFILLED AND SMOOTH GRADED.
  7. MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO BE 12', WHICH IS A RAISED TRUCK BED.
  8. EROSION CONTROL - THIS PROJECT WILL DISTURB MORE THAN 1 ACRE. A STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED AND A N.P.D.E.S. PERMIT WILL BE REQUIRED BY THE CONTRACTOR.
  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT HAVE LINES IN THE WORK AREA AND GET THEM LOCATED. CALL J.U.L.I.E. (1-800-892-0123) FOR UTILITY LOCATING.
  10. IDENTIFICATION - WHEN THE CONTRACTOR'S VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE FOOT (3') SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE).
  11. THE RUNWAY WILL BE CLOSED WITH TWO-WAY RADIO CONTROL WITH TOWER WHILE CONSTRUCTION IS WITHIN 250 FEET OF RUNWAY.
  12. ALL CLOSINGS WILL BE APPROVED BY AIRPORT DIRECTOR.
  13. ALL BARRICADES SHALL BE LOW PROFILE BARRICADES.

**PROJECT SCOPE & DESCRIPTION**

REMOVING OLD ASPHALT ARFF ROADWAY AND REPLACE WITH NEW 8" PCC PAVEMENT ROADWAY.

**CRITICAL POINT SCHEDULE**

POINT No.	LONGITUDE	LATITUDE	ELEVATION	LOCATION
(A)	89°01'06.60"	37°44'52.95"	451.6	PROPOSED ARFF ROAD
(B)	89°00'55.51"	37°44'54.26"	452.8	STAGING AREA
(C)	89°01'05.81"	37°44'52.47"	453.0	EXISTING ARFF ROAD
(D)	89°01'12.29"	37°44'49.47"	443.9	SILT FENCE

**CONTROL POINTS**

POINT No.	LONGITUDE	LATITUDE	ELEVATION
105	89°01'07.79"	37°44'55.06"	449.23
106	89°01'05.66"	37°44'59.10"	448.82
107	89°01'03.55"	37°45'03.00"	450.25

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

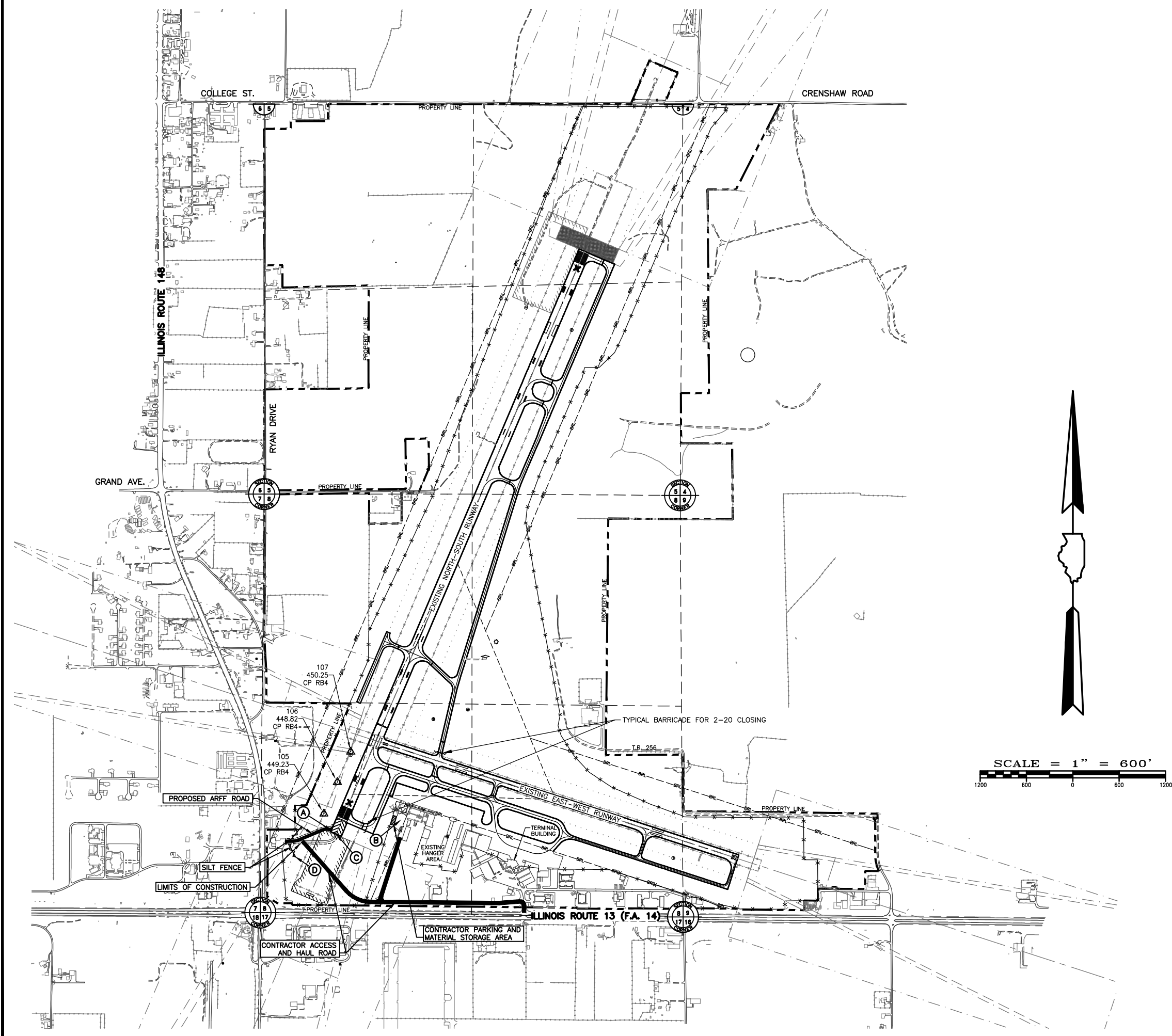
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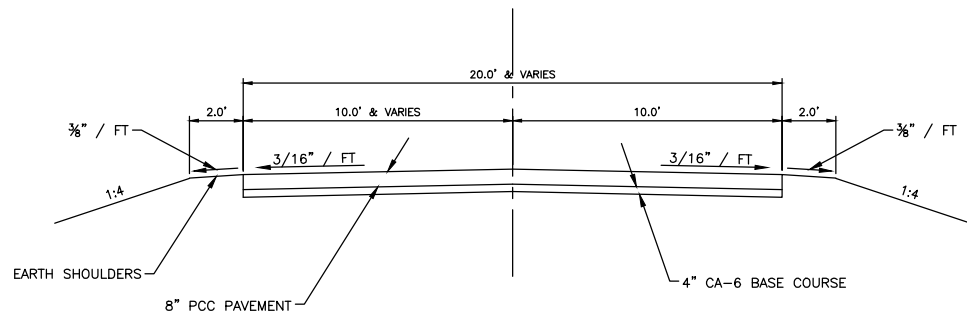
**CLARIDA & ZIEGLER ENGINEERING CO.**  
308 South Court St, P.O. Box 937  
Marion, Illinois 62959  
Phone - (618)993-6411, Fax - (618)993-6750

**SAFETY PLAN**  
CONSTRUCT A NEW FIRE STATION ACCESS ROAD  
WILLIAMSON COUNTY REGIONAL AIRPORT  
MARION-HERRIN, ILLINOIS

REVISIONS	DATE	NO.

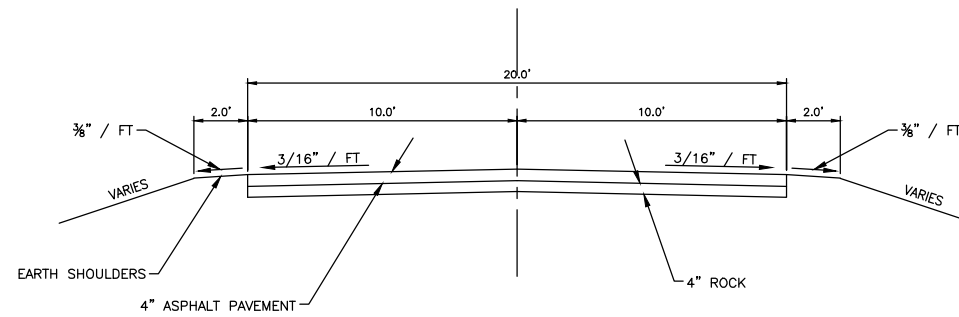
Date 4/11/12 DR. By TDE CK'D By CM  
Scale 1"=600' Job No. 11126 Sheet No. 02 of 06





**TYPICAL PROPOSED SECTION**

~N.T.S.~



**TYPICAL EXISTING SECTION**

(TO BE REMOVED)  
~N.T.S.~

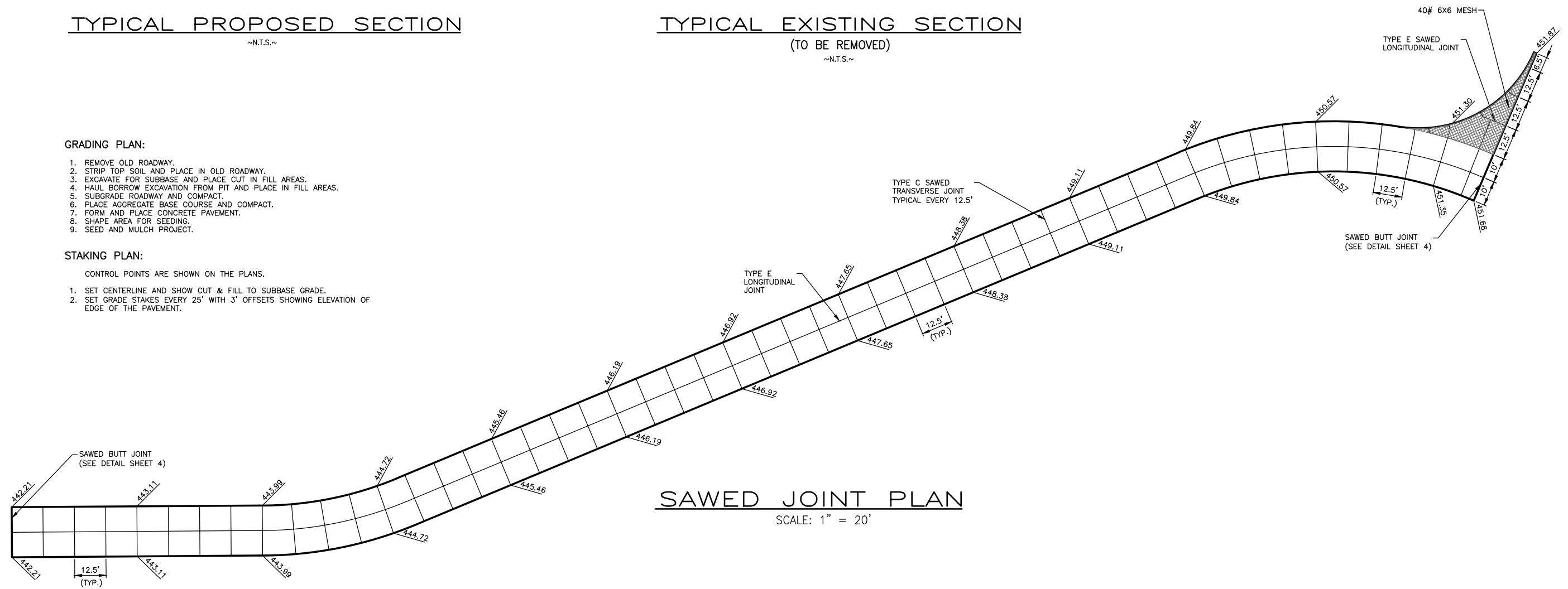
**GRADING PLAN:**

1. REMOVE OLD ROADWAY.
2. STRIP TOP SOIL AND PLACE IN OLD ROADWAY.
3. EXCAVATE FOR SUBBASE AND PLACE CUT IN FILL AREAS.
4. HAUL BORROW EXCAVATION FROM PIT AND PLACE IN FILL AREAS.
5. SUBGRADE ROADWAY AND COMPACT.
6. PLACE AGGREGATE BASE COURSE AND COMPACT.
7. FORM AND PLACE CONCRETE PAVEMENT.
8. SHAPE AREA FOR SEEDING.
9. SEED AND MULCH PROJECT.

**STAKING PLAN:**

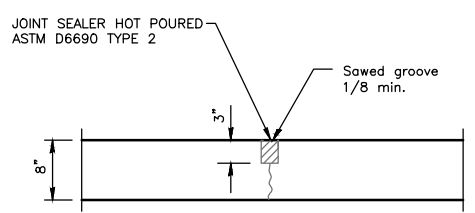
CONTROL POINTS ARE SHOWN ON THE PLANS.

1. SET CENTERLINE AND SHOW CUT & FILL TO SUBBASE GRADE.
2. SET GRADE STAKES EVERY 25' WITH 3' OFFSETS SHOWING ELEVATION OF EDGE OF THE PAVEMENT.

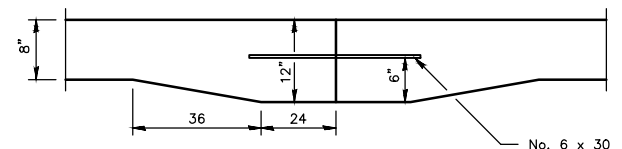


**SAWED JOINT PLAN**

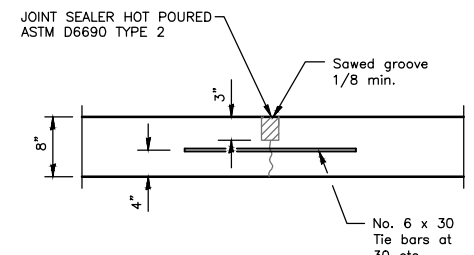
SCALE: 1" = 20'



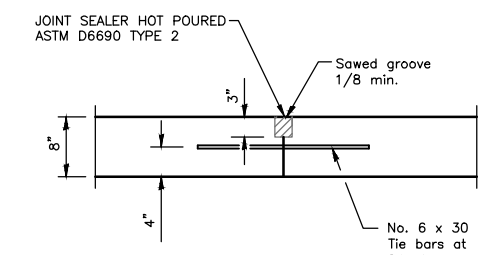
**TYPE C  
SAWED TRANSVERSE JOINT**



**TYPE D  
TIED TRANSVERSE CONSTRUCTION JOINT**



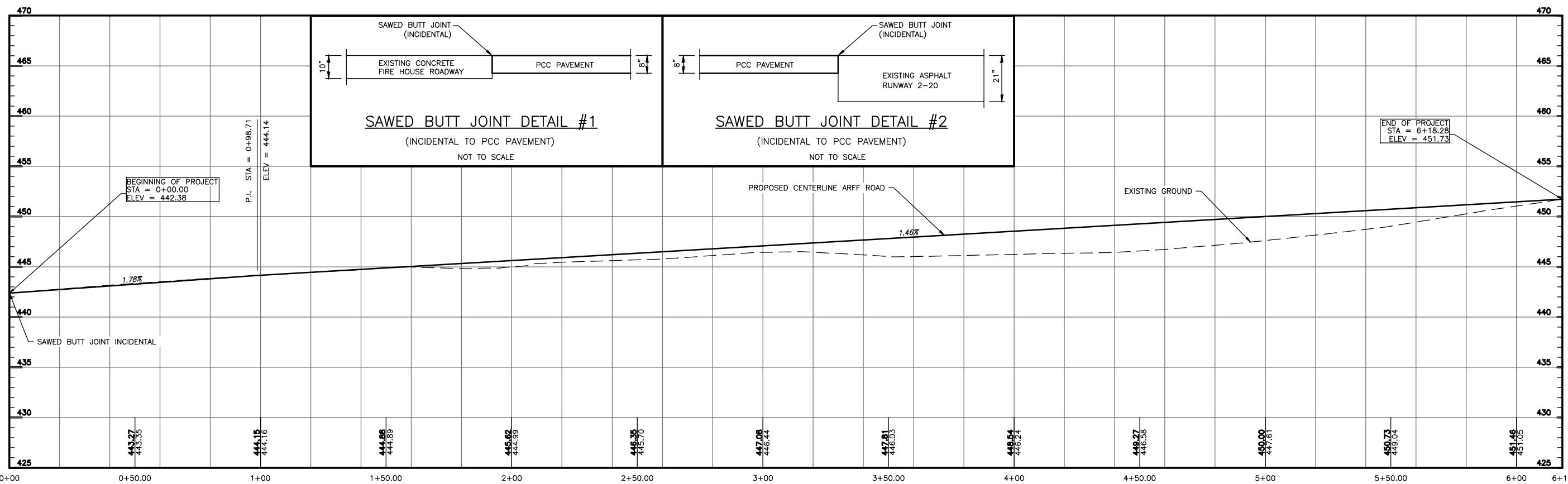
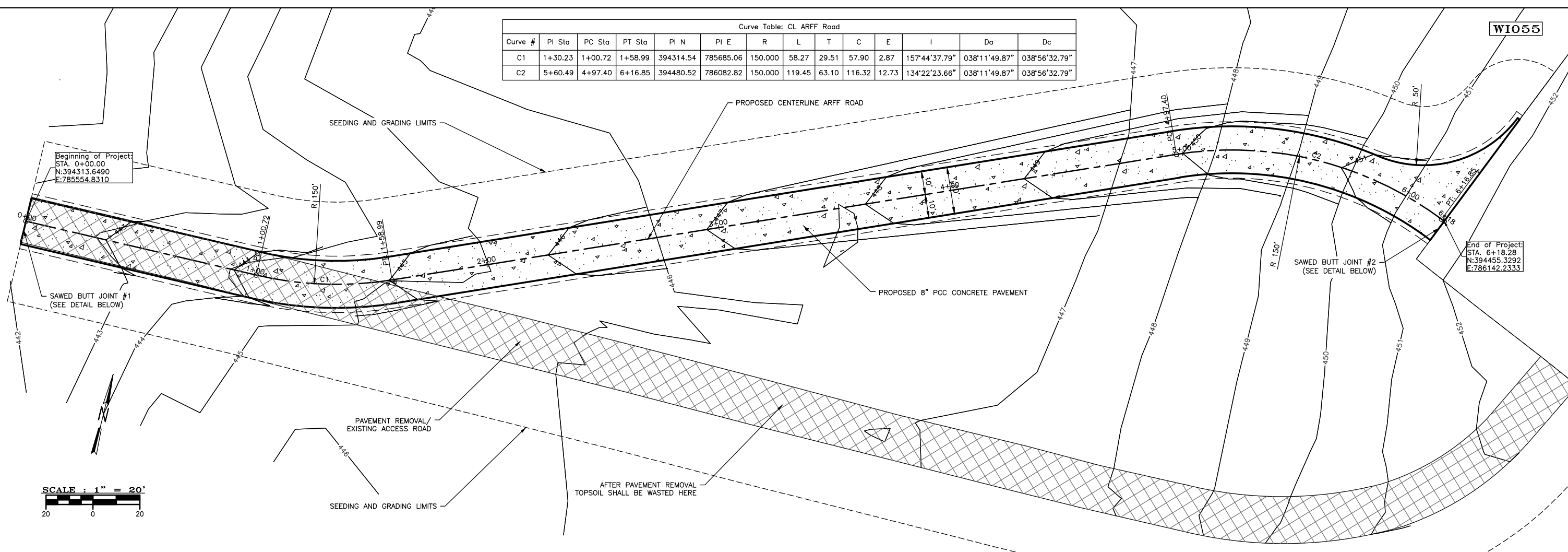
**TYPE E  
SAWED LONGITUDINAL JOINT**



**TYPE E  
LONGITUDINAL CONSTRUCTION JOINT**

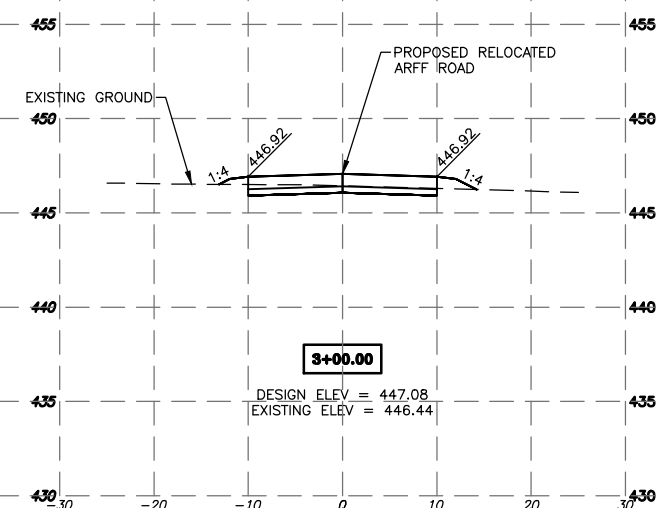
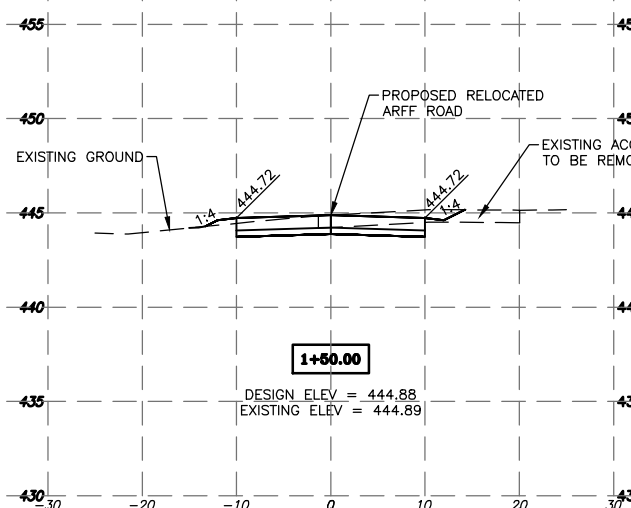
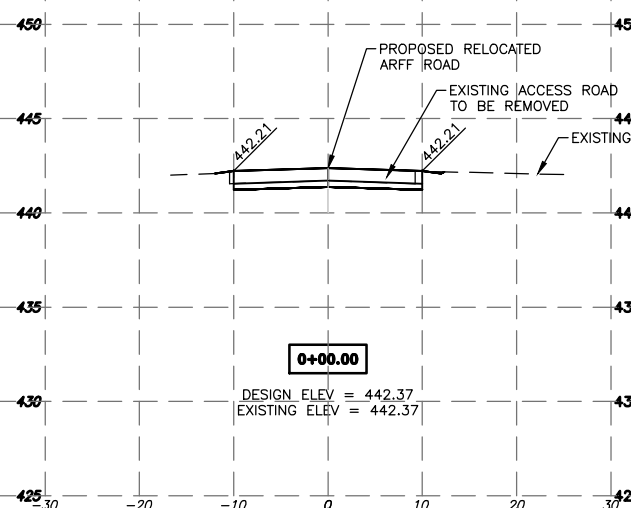
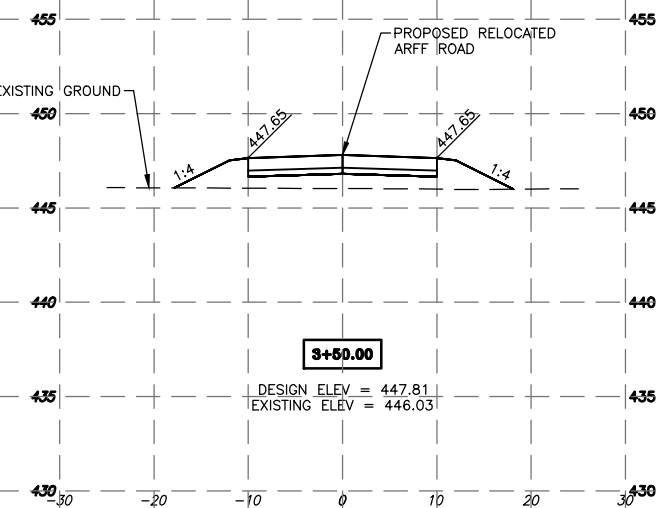
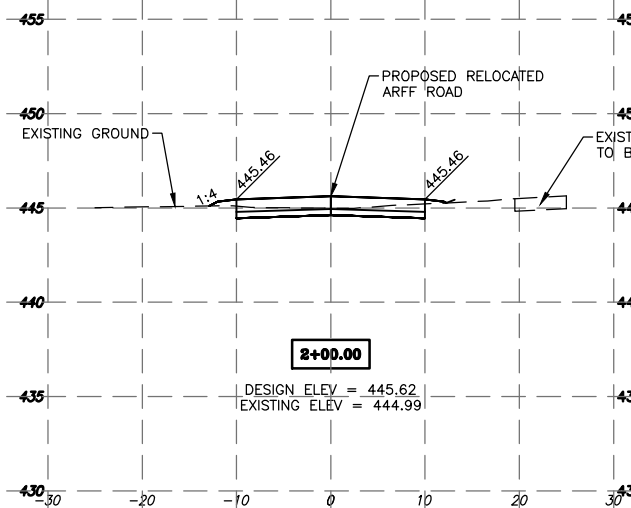
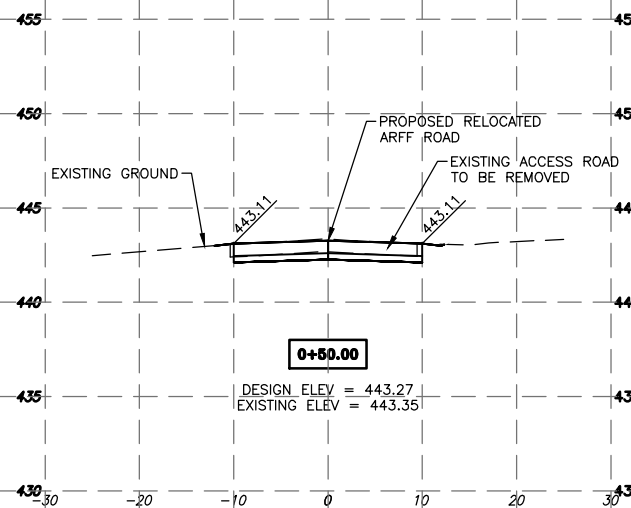
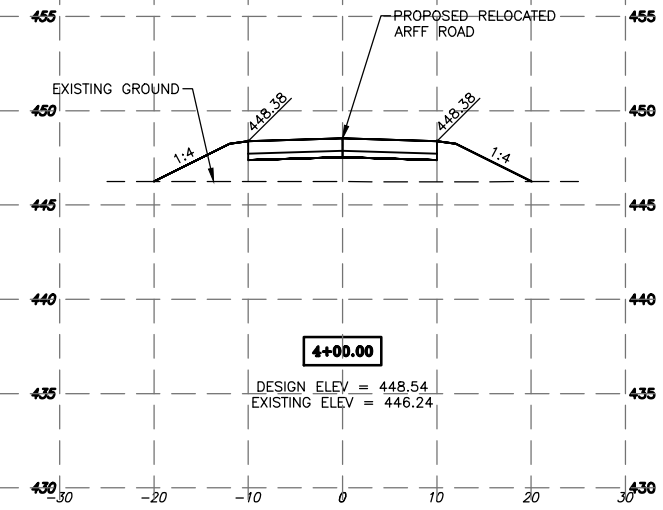
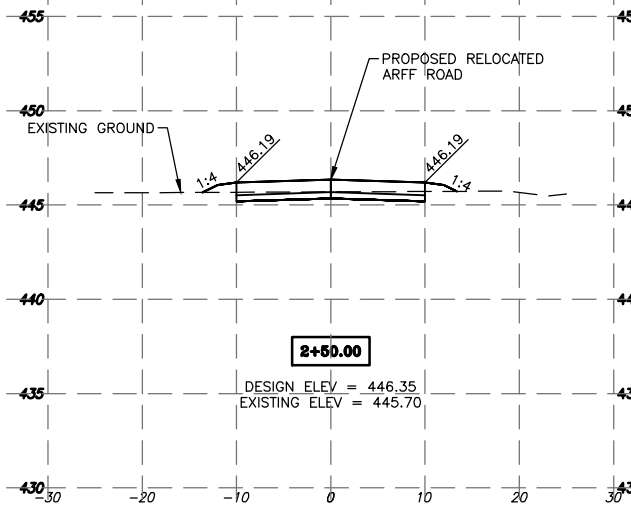
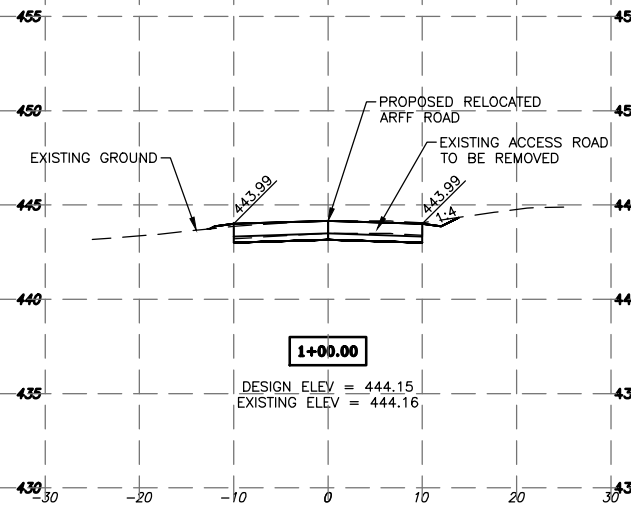
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308 South Court St, P.O. Box 937 Marion, Illinois 62959 Phone - (618)993-6411, Fax - (618)993-6750	
<b>TYPICAL SECTION CONSTRUCT A NEW FIRE STATION ACCESS ROAD WILLIAMSON COUNTY REGIONAL AIRPORT MARION-HERRIN, ILLINOIS</b>	
Date	4/11/12
DR. By	TDE
CK'D By	CM
Scale	NONE
Job No.	11126
Sheet No.	03 of 06

Curve Table: CL ARFF Road													
Curve #	PI Sta	PC Sta	PT Sta	PI N	PI E	R	L	T	C	E	I	Da	Dc
C1	1+30.23	1+00.72	1+58.99	394314.54	785685.06	150.000	58.27	29.51	57.90	2.87	157°44'37.79"	038°11'49.87"	038°56'32.79"
C2	5+60.49	4+97.40	6+16.85	394480.52	786082.82	150.000	119.45	63.10	116.32	12.73	134°22'23.66"	038°11'49.87"	038°56'32.79"



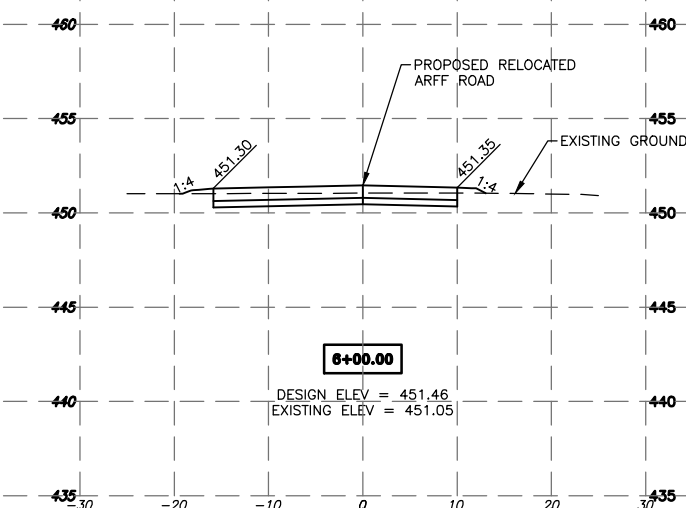
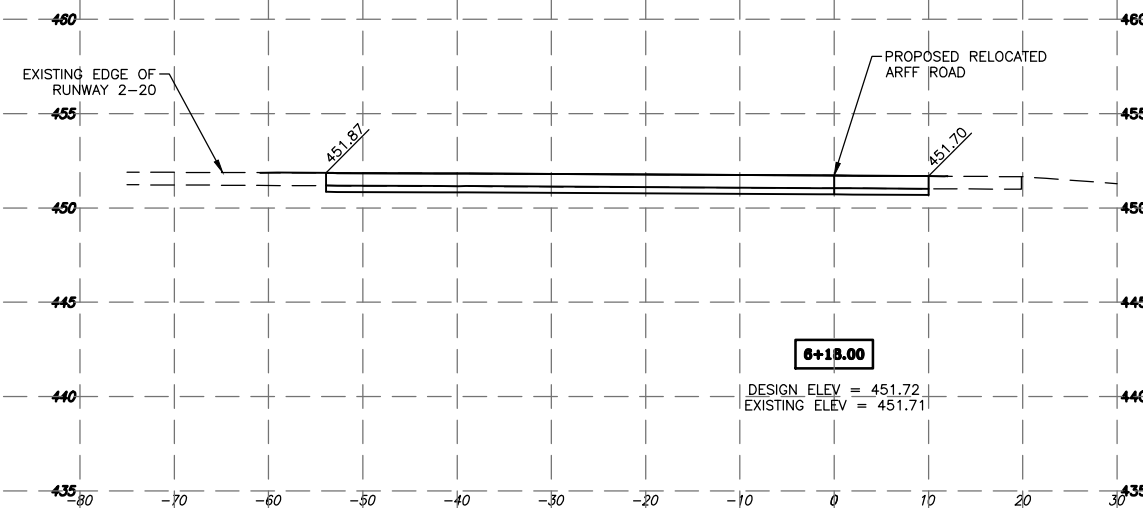
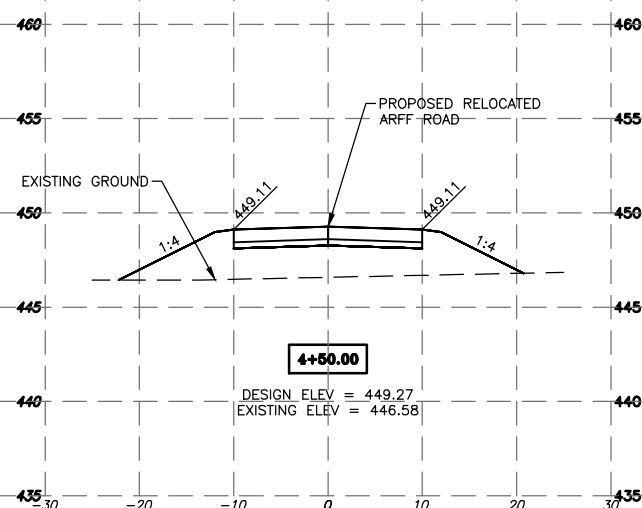
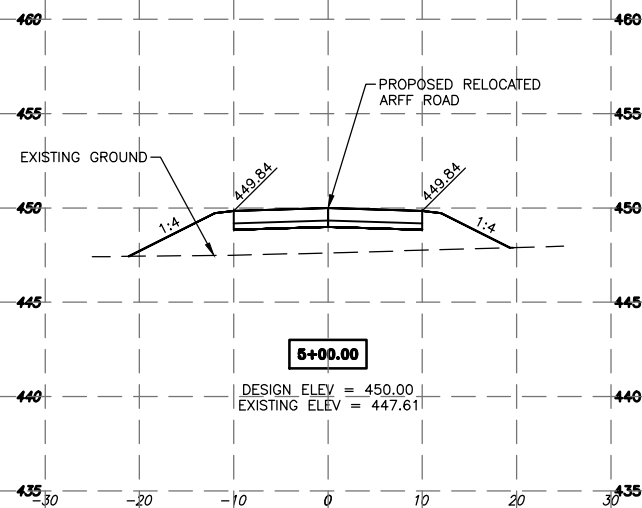
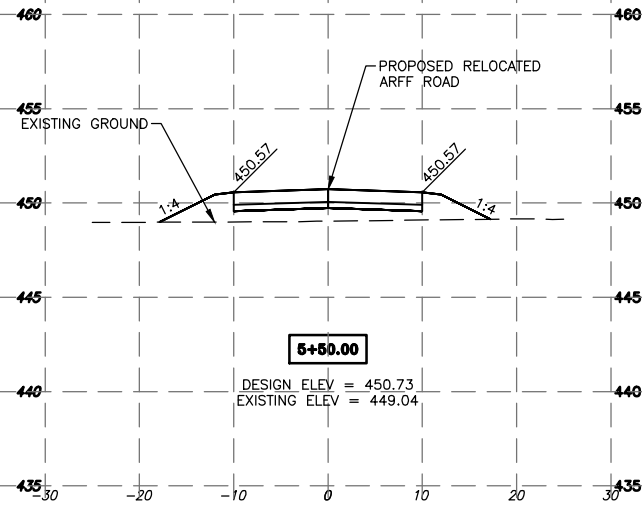
SCALES:  
 HORIZ: 1"=20'  
 VERT.: 1"=5'

**CONSTRUCT A NEW FIRE STATION ACCESS ROAD - STATION 0+00 TO 6+18.28**



CONSTRUCT A NEW FIRE STATION ACCESS ROAD - CROSS-SECTIONS - STA 0+00 TO 4+00

SCALES:  
HORIZ.: 1"=10'  
VERT.: 1"=5'



SUMMARY OF EARTH WORK DATA	
TOPSOIL	135 CU YDS (PLACE IN OLD ROADWAY)
CUT AREA	232 CU YDS
FILL AREA	427 CU YDS
BORROW EXCAVATION	250 CU YDS

SCALES:  
HORIZ: 1"=10'  
VERT.: 1"=5'

CONSTRUCT A NEW FIRE STATION ACCESS ROAD - CROSS-SECTIONS - STA 4+50 TO 6+18