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Sheet No.	X1,X2,X3	Cross Sections

TOTAL SHEETS = 12

# PLAN OF PROPOSED IMPROVEMENT CITY OF MARSHFIELD MARATHON COUNTY CTH E RELOCATION

PROJECT NO. 1573

UTILITIES

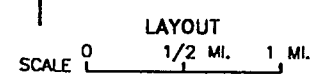
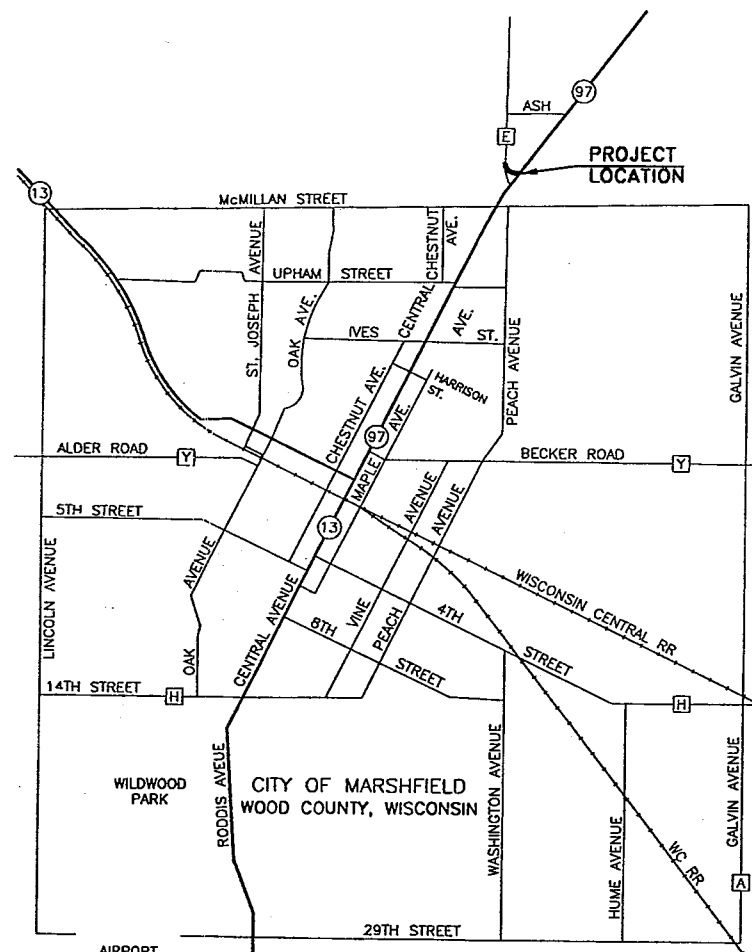
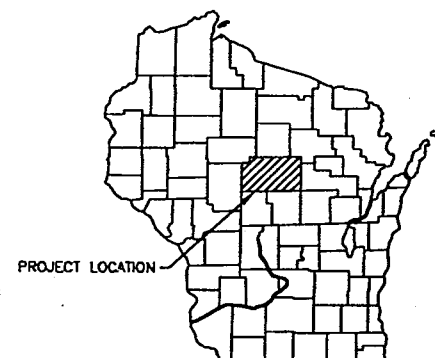
**SANITARY SEWER**  
CITY OF MARSHFIELD  
630 SOUTH CENTRAL AVENUE  
P.O. BOX 727  
MARSHFIELD, WI 54449-0727  
CONTACT: DAN KNOECK  
PHONE: (715) 387-8424

**WATER MAIN**  
MARSHFIELD ELECTRIC AND WATER DEPT.  
2000 SOUTH RODDIS AVENUE  
MARSHFIELD, WI 54449  
CONTACT: DAVE WASSERBURGER  
PHONE: (715) 387-1195

**ELECTRIC**  
MARSHFIELD ELECTRIC AND WATER DEPT.  
2000 SOUTH RODDIS AVENUE  
MARSHFIELD, WI 54449  
CONTACT: BOB TRUSSONI  
PHONE: (715) 387-1195 EXT. 331

**TELEPHONE**  
GTE NORTH INC.  
521 4 TH STREET  
WAUSAU, WI 54403-4869  
CONTACT: RON KOLTON  
PHONE: (715) 847-1511

**GAS**  
WISCONSIN GAS  
1921 8TH STREET SOUTH  
WISCONSIN RAPIDS, WI 54495-0789  
CONTACT: DENNIS CHERNEY  
PHONE: (715) 423-2800 EXT. 7265



**DESIGN DESIGNATION**

A.D.T. 1996 = 2,600  
A.D.T. 2019 = 3,500

**CONVENTIONAL SIGNS**

COUNTY LINE	---	COMBUSTIBLE FLUIDS (UNDER PRESSURE)	CAUTION
CORPORATE LIMITS	////	UNDERGROUND UTILITIES	---
PROPERTY LINE	---	GAS	---
LOT LINE	---	ELECTRIC	---
LIMITED HIGHWAY EASEMENT	---	TELEPHONE	---
EXISTING RIGHT OF WAY	---	SERVICE PEDESTAL	⊞
NEW RIGHT OF WAY	---	CABLE MARKER	⊞
REFERENCE LINE	---	POWER POLE	⊞
SLOPE INTERCEPT	---	TELEPHONE POLE	⊞
ORIGINAL GROUND	---	RAILROADS	+
MARSH OR ROCK PROFILE	---	MARSH	~
CULVERT IN PLACE	[---]	WOODED AREA	⊞
CULVERT REQUIRED	[---]	PROPOSED MANHOLE	●
CULVERT REQUIRED (Profile)	▬	MONITORING WELL	⊞
HAZMAT REMEDIATION SYSTEM	●		
HAZMAT REMEDIATION SYSTEM	⊞		

ACCEPTED FOR  
City of Marshfield

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DATE \_\_\_\_\_ MAYOR \_\_\_\_\_

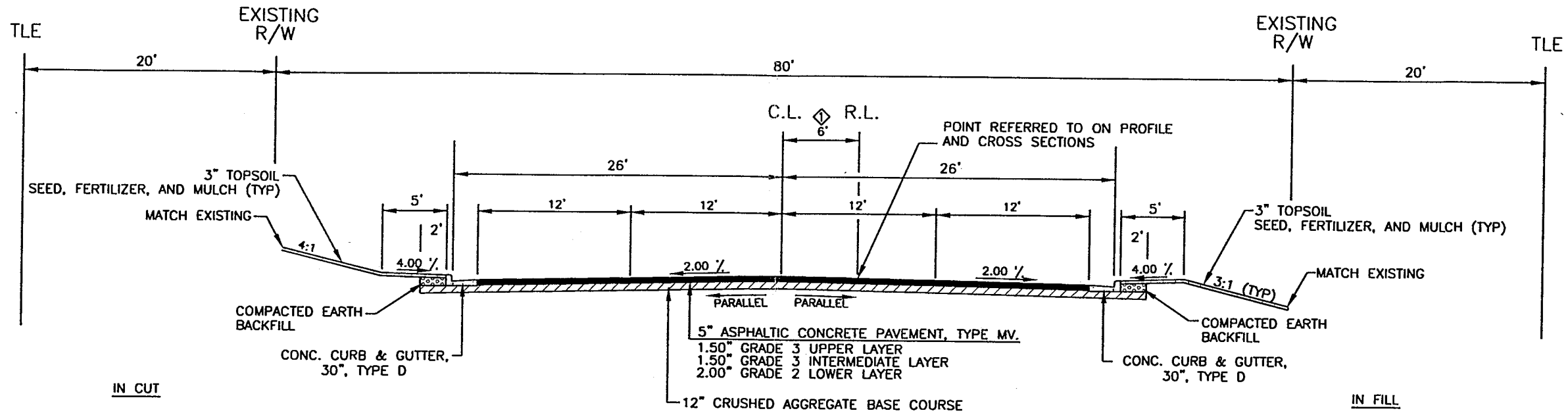
ORIGINAL PLANS PREPARED BY  
**GREMMER & ASSOCIATES**  
CONSULTING ENGINEERS  
2545 POST ROAD, FLOOR, WI 54467  
93 SOUTH PIONEER ROAD, SUITE 300, FOND DU LAC, WI 54635

8-6-99 *David Glodowski*  
DATE \_\_\_\_\_ DAVID L. GLODOWSKI

ALL ELEVATIONS ON THIS PLAN ARE REFERENCED TO 1929 MEAN SEA LEVEL DATUM.  
COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM, CENTRAL ZONE, 1927 DATUM.

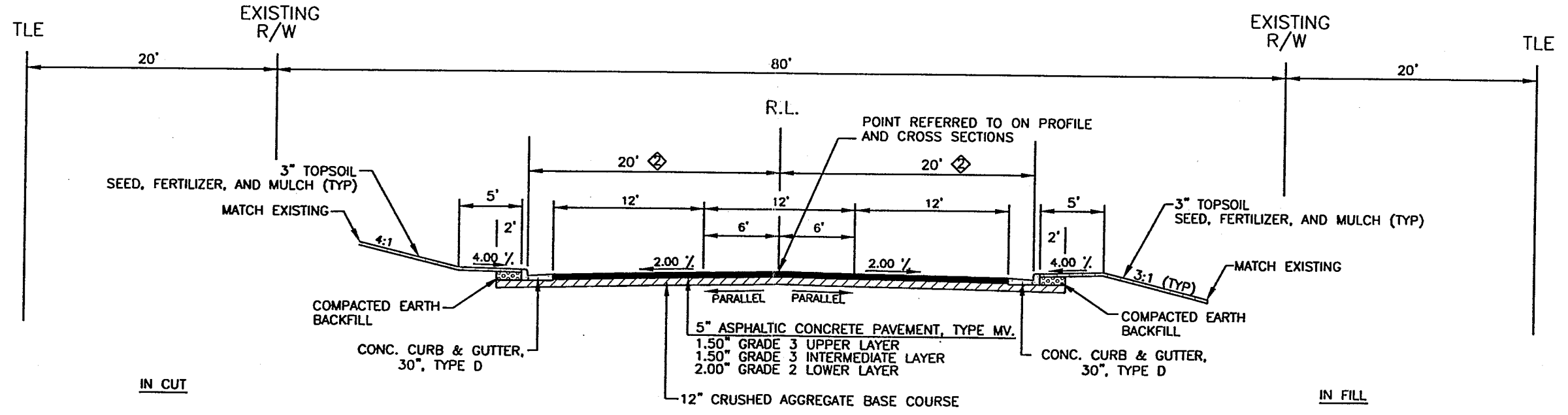
PREPARED BY  
Surveyor \_\_\_\_\_ **DLR** \_\_\_\_\_  
Designer \_\_\_\_\_ **DLG** \_\_\_\_\_

FILE NAME: ETTLE.DWG PLOT DATE: 8-6-99



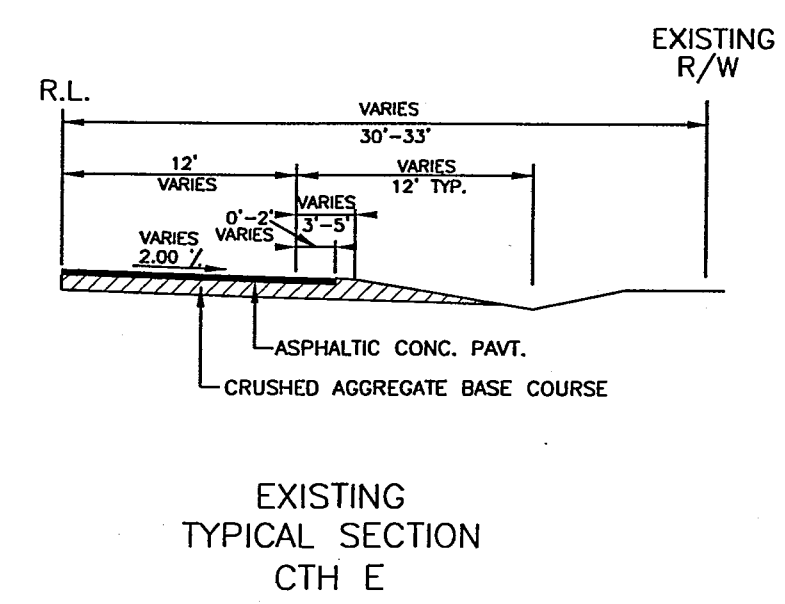
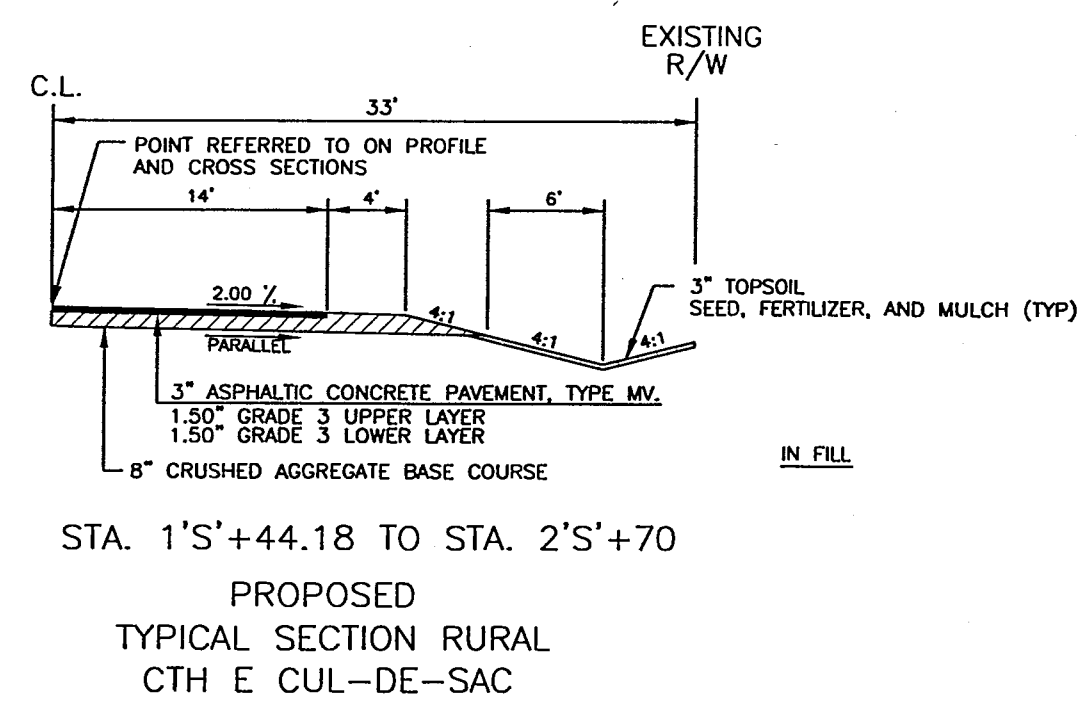
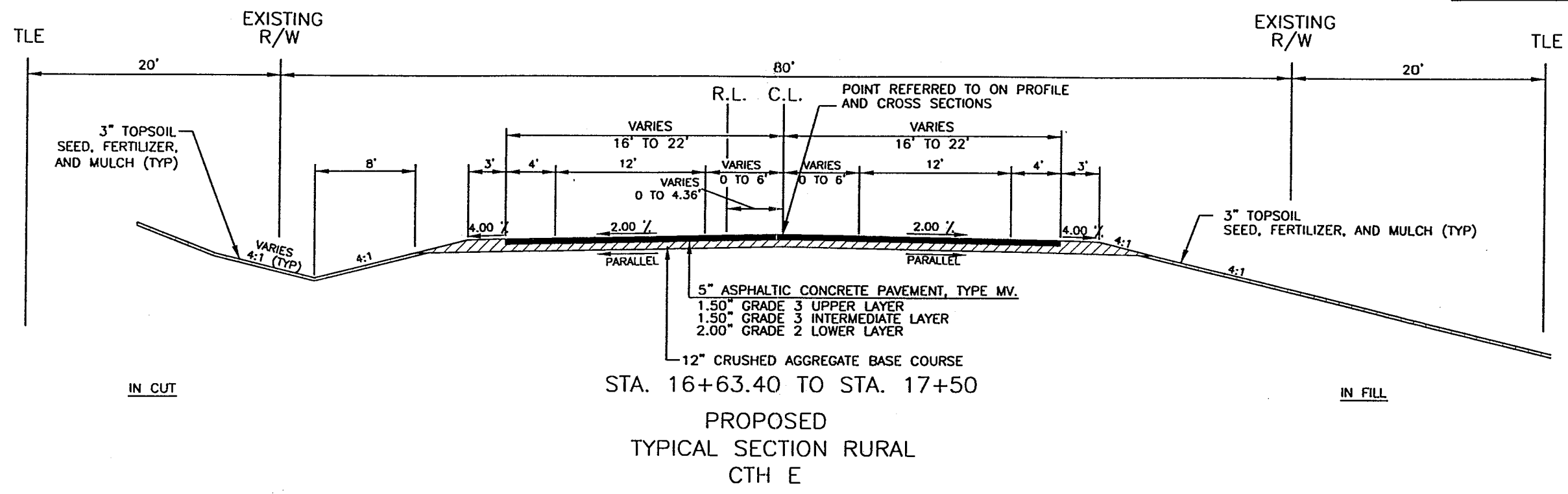
STA 11+18.95 TO STA 15+00  
PROPOSED  
TYPICAL SECTION URBAN  
CTH E

◊ OFFSET BETWEEN REFERENCE LINE AND CENTER LINE VARIES FROM STA. 11+18.95 (MATCH) TO STA. 11+50

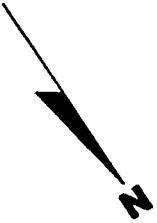


STA 15+00 TO STA 16+63.40  
PROPOSED  
TYPICAL SECTION URBAN  
CTH E

◊ WIDTH VARIES FROM 26' AT STA. 15+00 TO 20' AT STA. 15+50



ROTATE: 144°54'01"



STAGED CONSTRUCTION ON EXISTING CTH E  
CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL  
PLANS FOR ANY STAGED CONSTRUCTION.

TWO - WAY TRAFFIC SHALL BE MAINTAINED ON EXISTING CTH E  
AT ALL TIMES OURING CONSTRUCTION, EXCEPT THAT SINGLE LANE TRAFFIC  
WITH FLAGGERS IS ALLOWED DURING DAYLIGHT CONSTRUCTION HOURS.

ROAD  
WORK  
AHEAD

END  
ROAD  
WORK

END  
ROAD  
WORK

TRAFFIC CONTROL  
DRUMS REQ'D.

ROUTING TRAFFIC TO THE PROPOSED "NEW" INTERSECTION AT STH 97  
SHALL BE COORDINATED WITH THE WDOT PROJECT  
ON STH 97 AND THE ENGINEER.

STH 97 UNDER CONSTRUCTION  
CONCURRENT WITH CTH E PROJECT

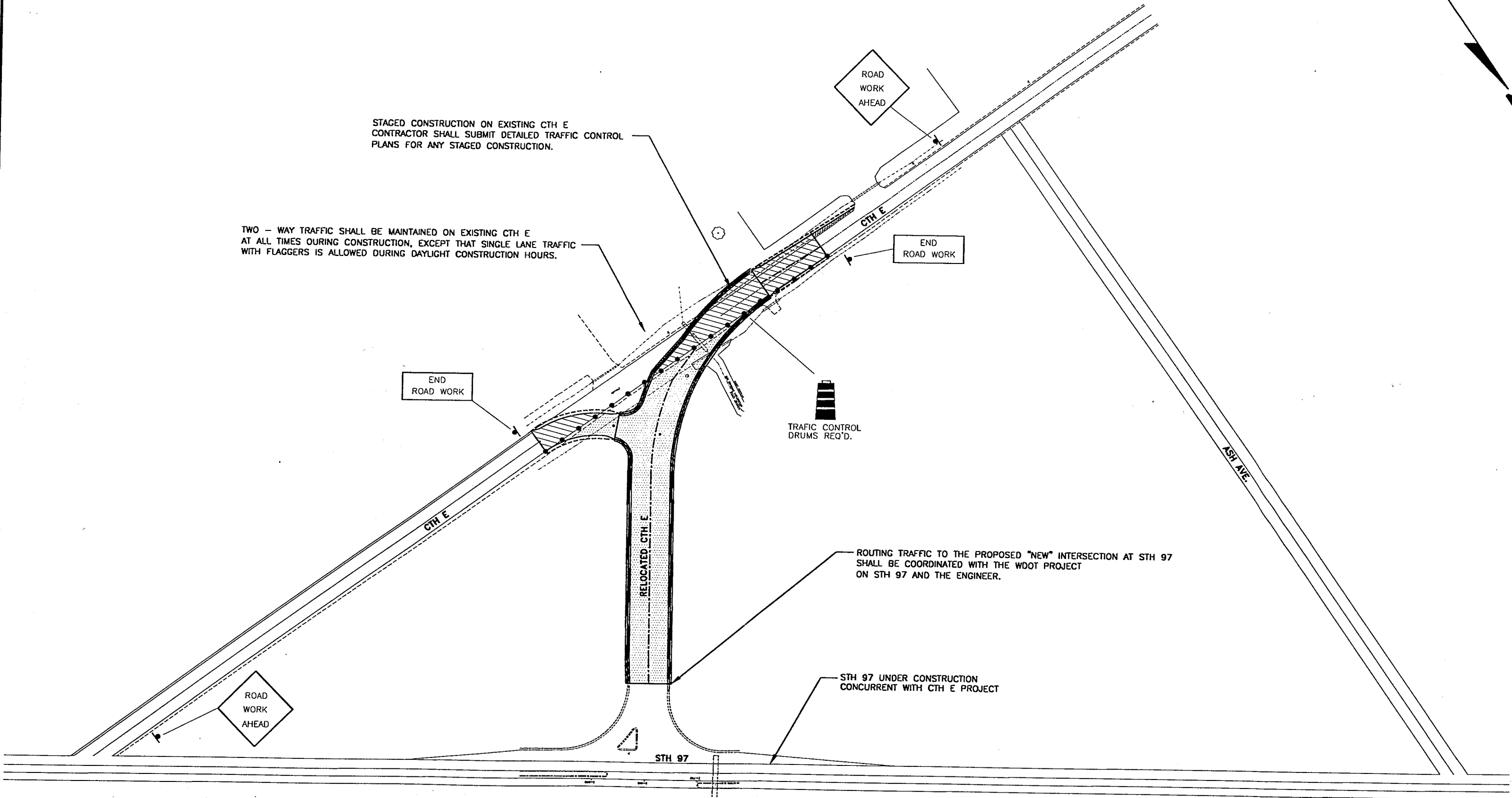
ROAD  
WORK  
AHEAD

STH 97

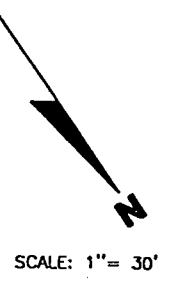
LAYERS: TITL1

PLOT DATE: 8-6-99

FILE NAME: MRSHTC.DWG



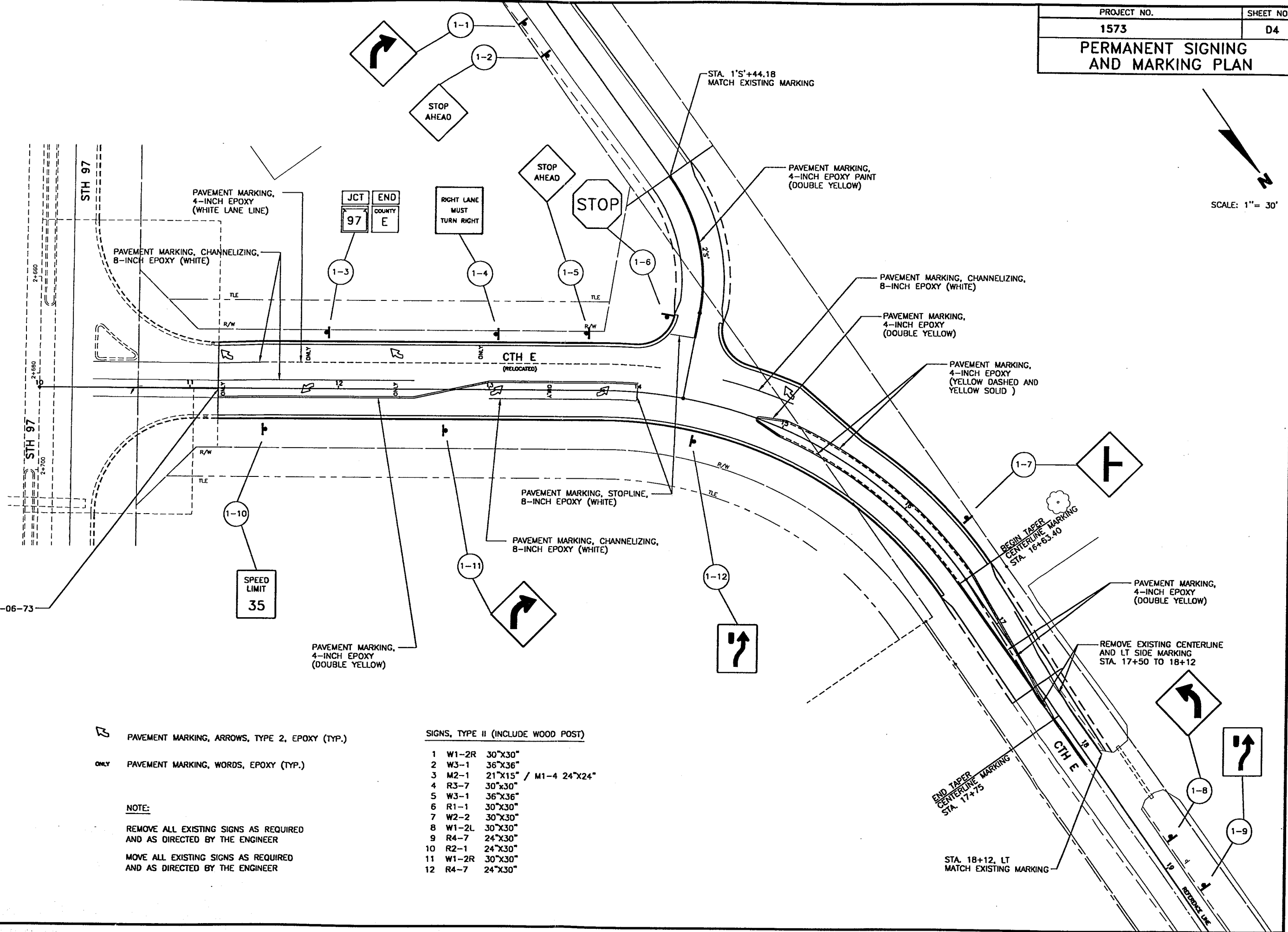
PERMANENT SIGNING AND MARKING PLAN



ROTATE: 144°34'01"

LAYERS: ALIN1,ALINA,MARK1,MARK3,MARK4,PLAN1,PLAN2,PLAN3,ROWL1,ROWL2,SIGNS,TTL(TOPO)

FILE NAME: MRSH1016.DWG PLOT DATE: 8-6-99



STA. 11+18.95  
MATCH EXISTING MARKING  
STH 97 PROJECT NO. 6380-06-73

SPEED LIMIT  
35

- PAVEMENT MARKING, ARROWS, TYPE 2, EPOXY (TYP.)
- ONLY** PAVEMENT MARKING, WORDS, EPOXY (TYP.)

**NOTE:**  
REMOVE ALL EXISTING SIGNS AS REQUIRED  
AND AS DIRECTED BY THE ENGINEER  
  
MOVE ALL EXISTING SIGNS AS REQUIRED  
AND AS DIRECTED BY THE ENGINEER

SIGNS, TYPE II (INCLUDE WOOD POST)

- |    |       |                        |
|----|-------|------------------------|
| 1  | W1-2R | 30"x30"                |
| 2  | W3-1  | 36"x36"                |
| 3  | M2-1  | 21"x15" / M1-4 24"x24" |
| 4  | R3-7  | 30"x30"                |
| 5  | W3-1  | 36"x36"                |
| 6  | R1-1  | 30"x30"                |
| 7  | W2-2  | 30"x30"                |
| 8  | W1-2L | 30"x30"                |
| 9  | R4-7  | 24"x30"                |
| 10 | R2-1  | 24"x30"                |
| 11 | W1-2R | 30"x30"                |
| 12 | R4-7  | 24"x30"                |

END TAPER  
CENTERLINE MARKING  
STA. 17+75

STA. 18+12, LT  
MATCH EXISTING MARKING

**CTH E RELOCATION  
PLAN & PROFILE**

**NOTE**  
ALL UTILITIES ARE SHOWN APPROXIMATE. FIELD VERIFY ALL UTILITIES FOR LOCATION, DEPTH, AND SIZE.

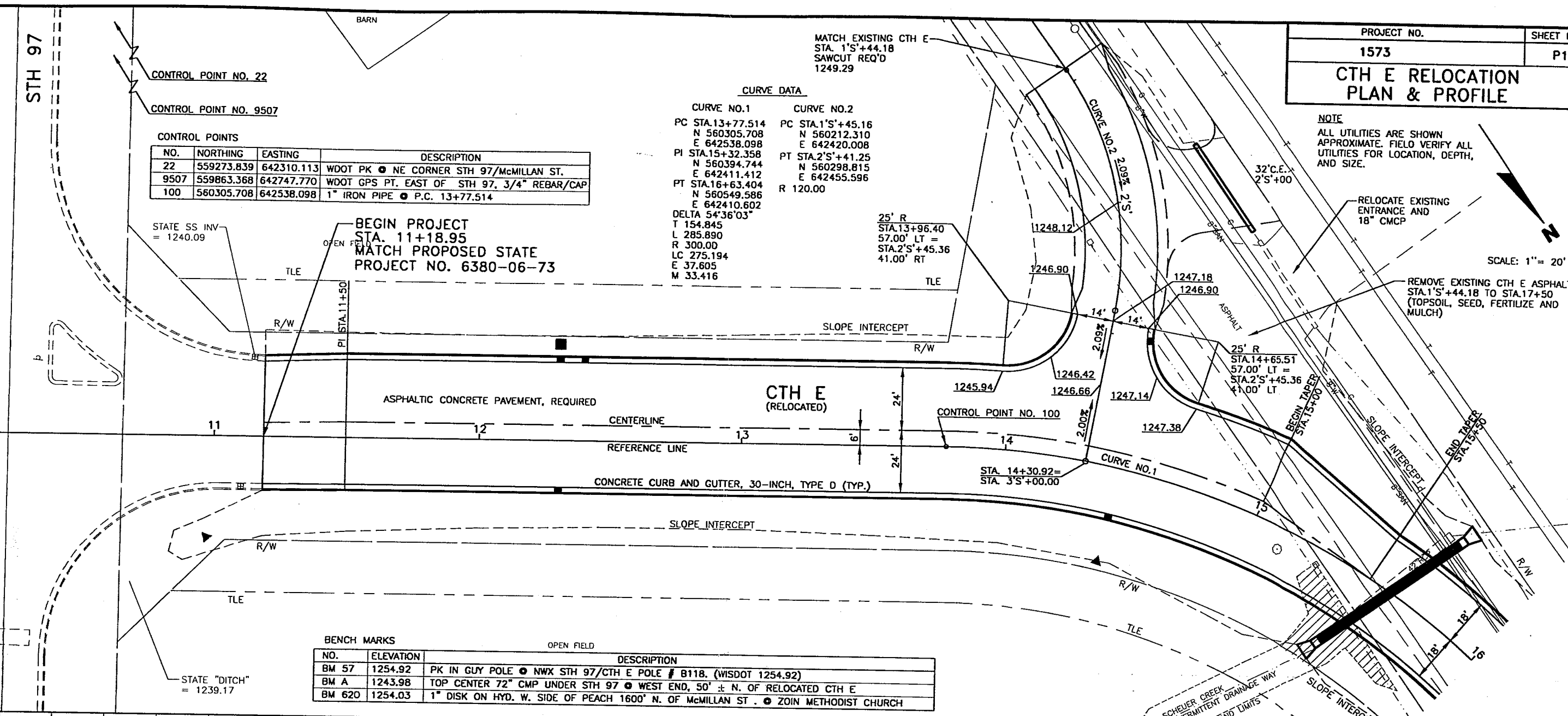
SCALE: 1" = 20'

**CONTROL POINTS**

NO.	NORTHING	EASTING	DESCRIPTION
22	559273.839	642310.113	WOOD PK @ NE CORNER STH 97/McMILLAN ST.
9507	559863.368	642747.770	WOOD GPS PT. EAST OF STH 97, 3/4" REBAR/CAP
100	560305.708	642538.098	1" IRON PIPE @ P.C. 13+77.514

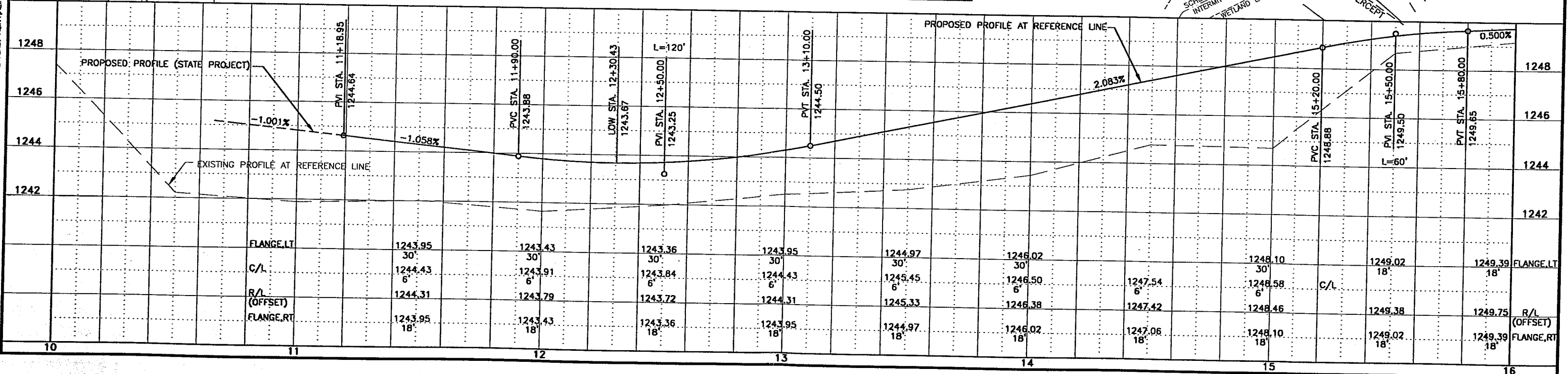
**CURVE DATA**

CURVE NO.1	CURVE NO.2
PC STA. 13+77.514	PC STA. 1'S+45.16
N 560305.708	N 560212.310
E 642538.098	E 642420.008
PI STA. 15+32.358	PT STA. 2'S+41.25
N 560394.744	N 560298.815
E 642411.412	E 642455.596
PT STA. 16+63.404	R 120.00
N 560549.586	
E 642410.602	
DELTA 54°36'03"	
T 154.845	
L 285.890	
R 300.00	
LC 275.194	
E 37.605	
M 33.416	



**BENCH MARKS**

NO.	ELEVATION	DESCRIPTION
BM 57	1254.92	PK IN GUY POLE @ NWX STH 97/CTH E POLE # B118. (WISDOT 1254.92)
BM A	1243.98	TOP CENTER 72" CMP UNDER STH 97 @ WEST END, 50' ± N. OF RELOCATED CTH E
BM 620	1254.03	1" DISK ON HYD. W. SIDE OF PEACH 1600' N. OF McMILLAN ST. @ ZOIN METHODIST CHURCH

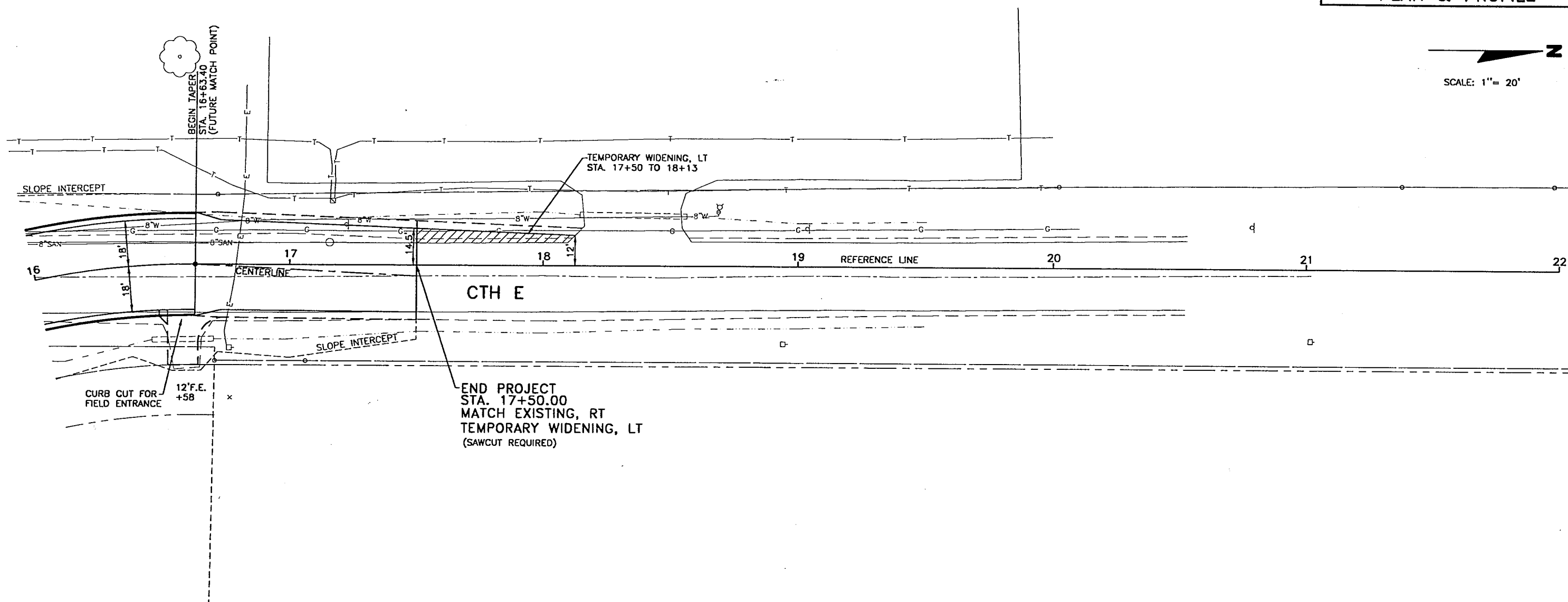


ROTATE: 144°34'01"  
 FILE NAME: MRS1016.DWG PLOT DATE: 8-5-99  
 LAYERS: ALIN1,ALINA,GRID1,GRID2,HATCH,PLAN1,PLAN2,PLANS,PLANK,PROF1,PROF3,PROF4,ROWL1,ROWL2,SLOP1,STOR3,TILT1,1,TOPO,UTIL1

# CTH E RELOCATION PLAN & PROFILE

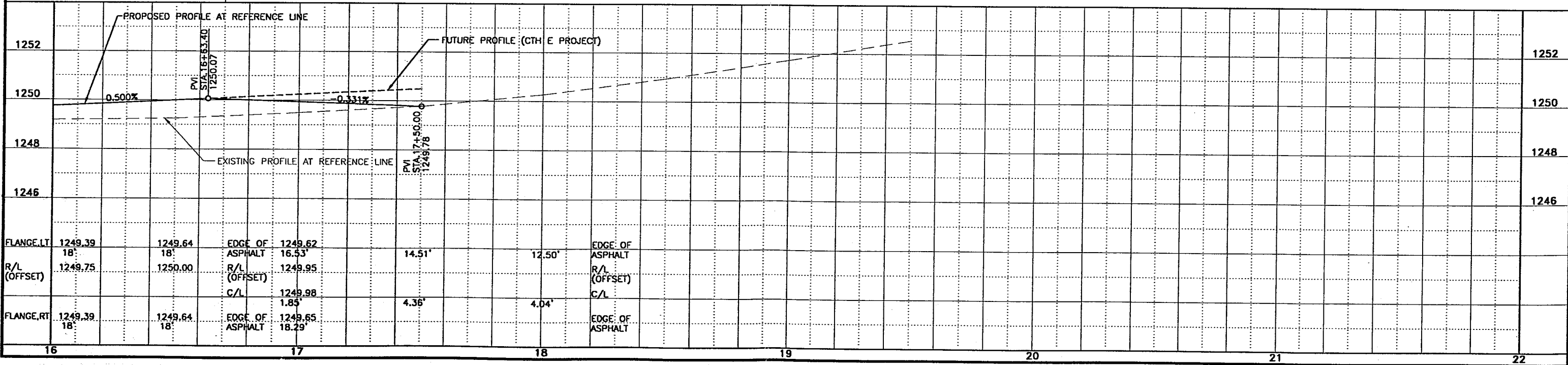


SCALE: 1" = 20'



END PROJECT  
 STA. 17+50.00  
 MATCH EXISTING, RT  
 TEMPORARY WIDENING, LT  
 (SAWCUT REQUIRED)

FILE NAME: MRSH1622.DWG PLOT DATE: 8-6-99  
 LAYERS: ALINI,ALIM,GRID1,GRID2,HATCH,PLAN1,PLAN3,PLAN4,PROF1,PROF3,PROF4,ROWL1,ROWL2,SLOP1,STORA,TITL1,TOPOL,UTIL1  
 ROTATE: 90°17'58"



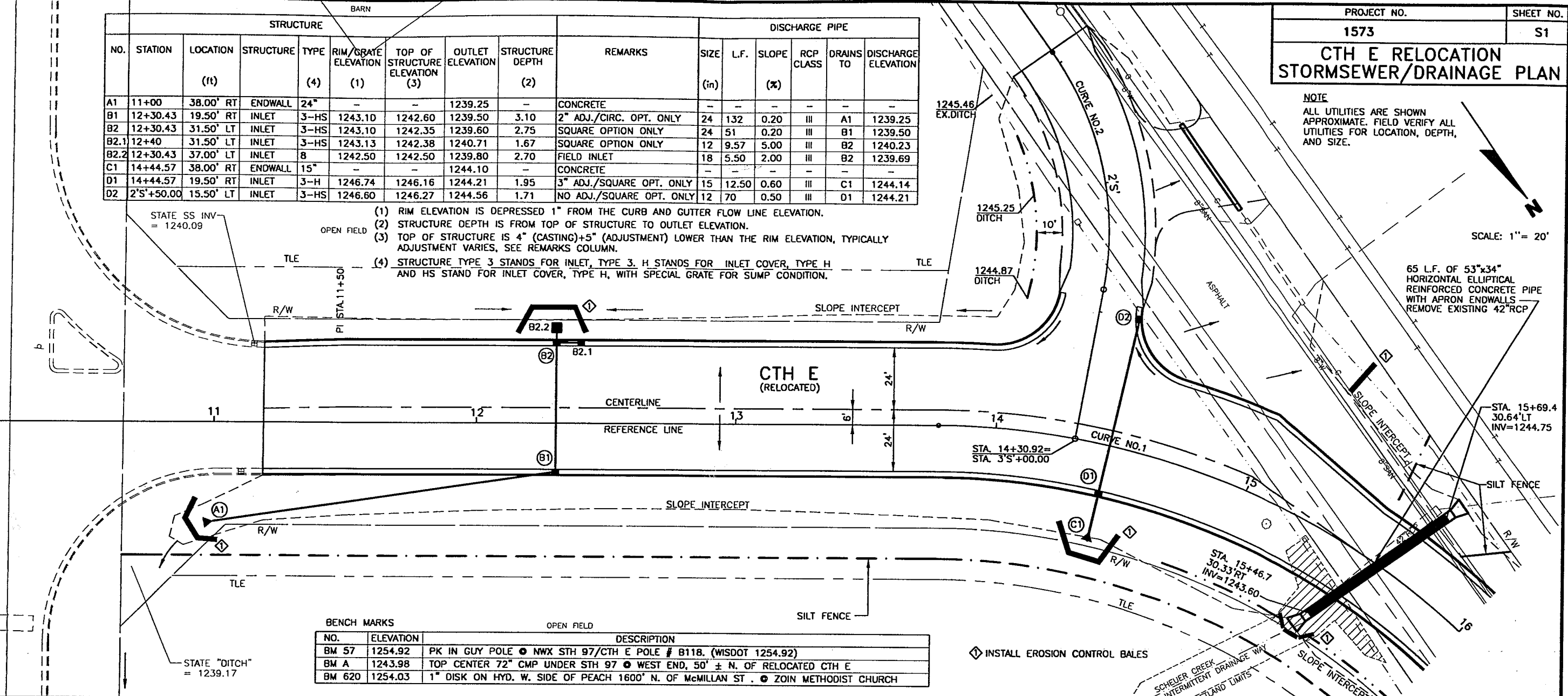
NO.	STATION	LOCATION (ft)	STRUCTURE				DISCHARGE PIPE								
			STRUCTURE	TYPE (4)	RIM/GRADE ELEVATION (1)	TOP OF STRUCTURE ELEVATION (3)	OUTLET ELEVATION	STRUCTURE DEPTH (2)	REMARKS	SIZE (in)	L.F.	SLOPE (%)	RCP CLASS	DRAINS TO	DISCHARGE ELEVATION
A1	11+00	38.00' RT	ENDWALL	24"	-	-	1239.25	-	CONCRETE	-	-	-	-	-	-
B1	12+30.43	19.50' RT	INLET	3-HS	1243.10	1242.60	1239.50	3.10	2" ADJ./CIRC. OPT. ONLY	24	132	0.20	III	A1	1239.25
B2	12+30.43	31.50' LT	INLET	3-HS	1243.10	1242.35	1239.60	2.75	SQUARE OPTION ONLY	24	51	0.20	III	B1	1239.50
B2.1	12+40	31.50' LT	INLET	3-HS	1243.13	1242.38	1240.71	1.67	SQUARE OPTION ONLY	12	9.57	5.00	III	B2	1240.23
B2.2	12+30.43	37.00' LT	INLET	8	1242.50	1242.50	1239.80	2.70	FIELD INLET	18	5.50	2.00	III	B2	1239.69
C1	14+44.57	38.00' RT	ENDWALL	15"	-	-	1244.10	-	CONCRETE	-	-	-	-	-	
D1	14+44.57	19.50' RT	INLET	3-H	1246.74	1246.16	1244.21	1.95	3" ADJ./SQUARE OPT. ONLY	15	12.50	0.60	III	C1	1244.14
D2	2'S+50.00	15.50' LT	INLET	3-HS	1246.60	1246.27	1244.56	1.71	NO ADJ./SQUARE OPT. ONLY	12	70	0.50	III	D1	1244.21

- RIM ELEVATION IS DEPRESSED 1" FROM THE CURB AND GUTTER FLOW LINE ELEVATION.
- STRUCTURE DEPTH IS FROM TOP OF STRUCTURE TO OUTLET ELEVATION.
- TOP OF STRUCTURE IS 4" (CASTING)+5" (ADJUSTMENT) LOWER THAN THE RIM ELEVATION, TYPICALLY ADJUSTMENT VARIES, SEE REMARKS COLUMN.
- STRUCTURE TYPE 3 STANDS FOR INLET, TYPE 3. H STANDS FOR INLET COVER, TYPE H AND HS STAND FOR INLET COVER, TYPE H, WITH SPECIAL GRADE FOR SUMP CONDITION.

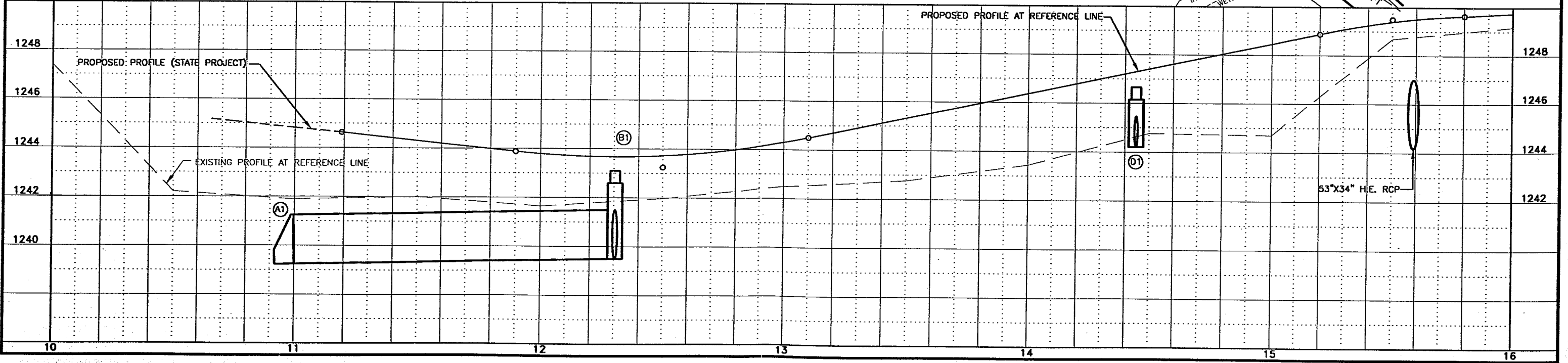
NOTE  
 ALL UTILITIES ARE SHOWN APPROXIMATE. FIELD VERIFY ALL UTILITIES FOR LOCATION, DEPTH, AND SIZE.

SCALE: 1" = 20'

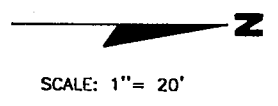
65 L.F. OF 53"x34" HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE WITH APRON ENDWALLS REMOVE EXISTING 42" RCP



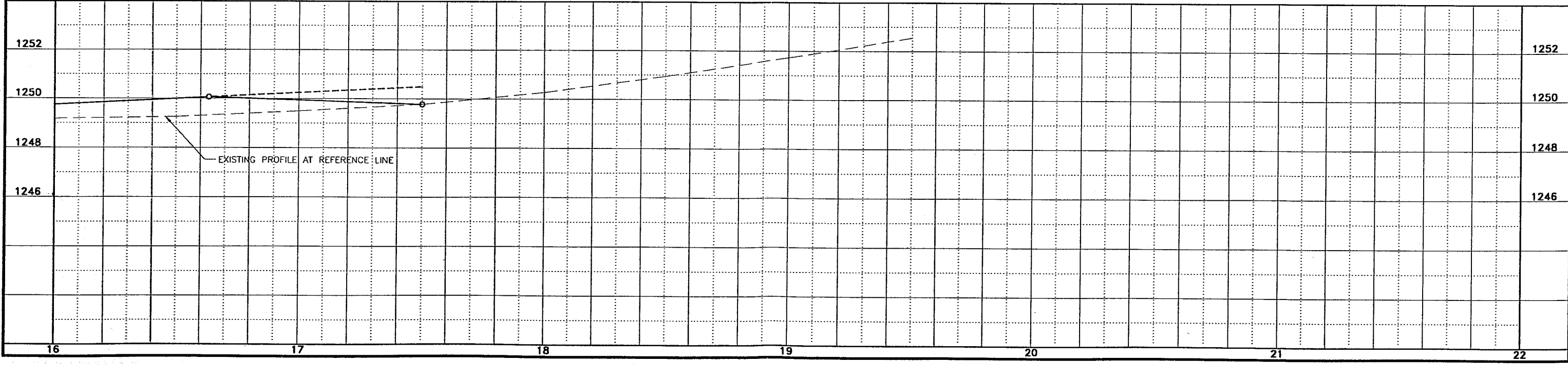
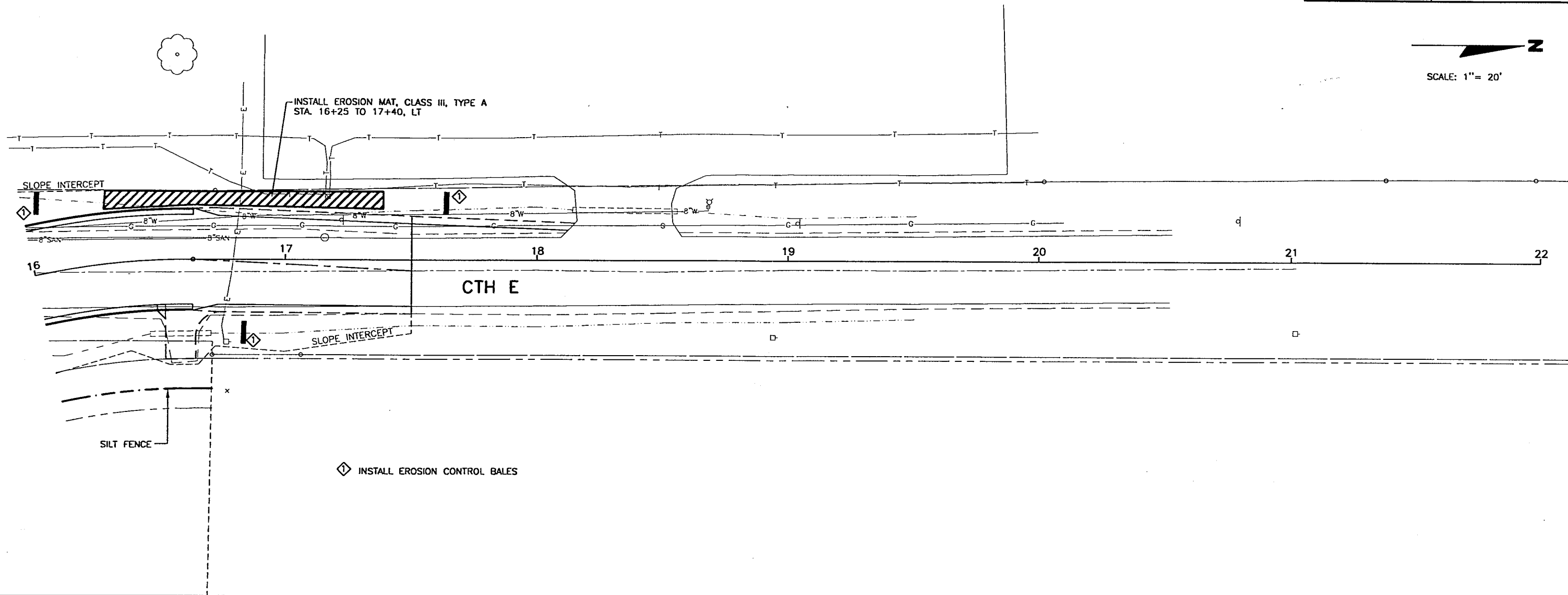
NO.	ELEVATION	DESCRIPTION
BM 57	1254.92	PK IN GUY POLE • MWX STH 97/CTH E POLE # B118. (WISDOT 1254.92)
BM A	1243.98	TOP CENTER 72" CMP UNDER STH 97 • WEST END, 50' ± N. OF RELOCATED CTH E
BM 620	1254.03	1" DISK ON HYD. W. SIDE OF PEACH 1600' N. OF McMILLAN ST. • ZOIN METHODIST CHURCH



FILE NAME: WRS1016.DWG PLOT DATE: 8-6-99 LAYERS: ALIN1,ALIN4,EROS3,EROS4,GRID1,GRID2,PLAN1,PLAN2,PLAN3,PROF1,PROF2,PROF3,ROWL1,ROWL2,SLOP1,SLOP2,STOR3,STOR4,STOR5,UTIL1,TOPO1,UTIL1 ROTATE: 1445401



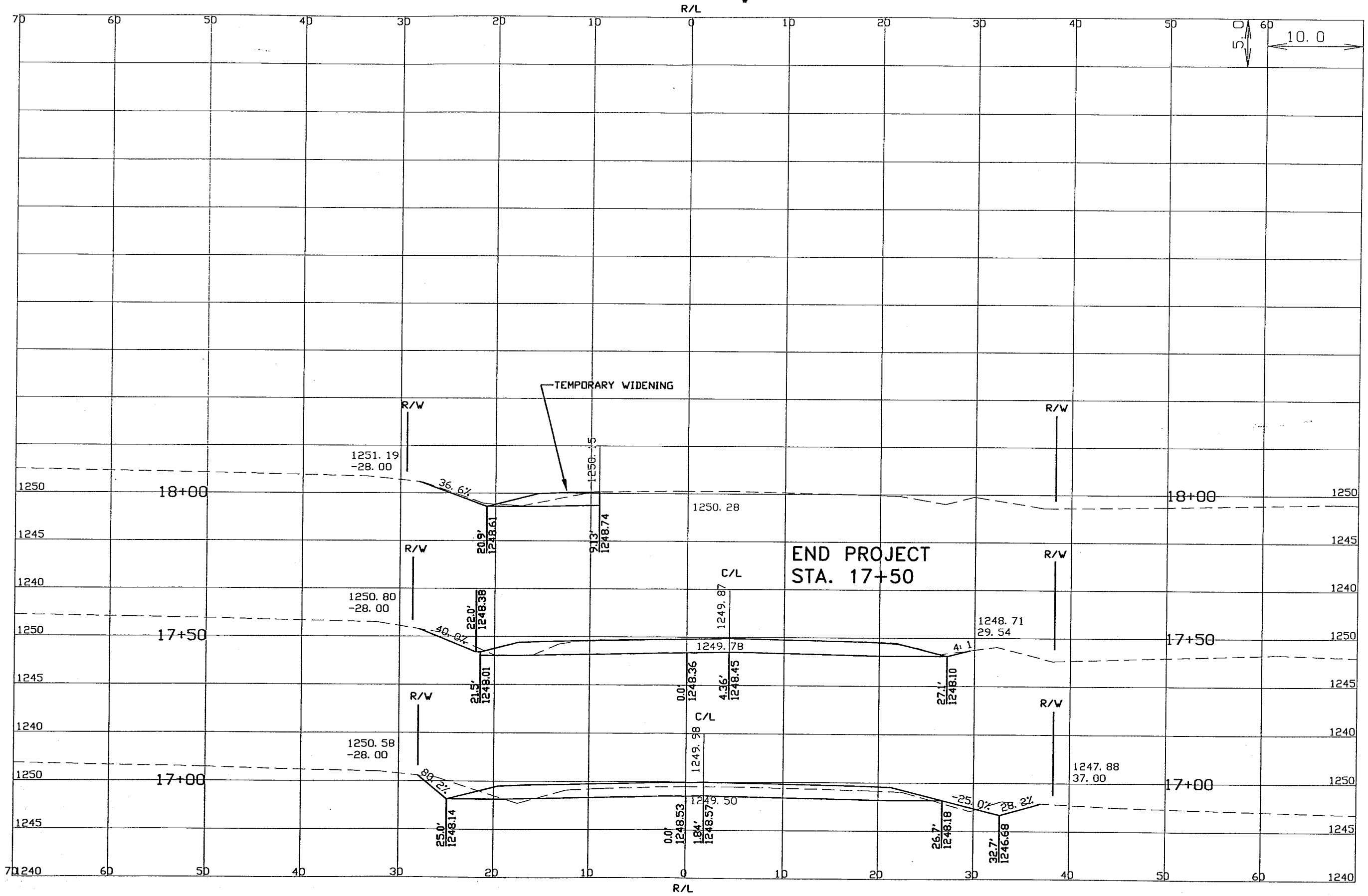
ROTATE: 90°17'58"  
 LAYERS: ALIN1,ALIN4,EROS3,EROS4,GRID1,GRID2,PLAN3,PROF1,PROF3,ROWL1,ROWL2,SLOP1,STOR3,STOR4,STOR5,UTIL1,UTIL2  
 FILE NAME: WRS11622.DWG PLOT DATE: 8-6-99





03. 10/14  
C.H. E.

PROJECT NO.	SHEET NO.
1573	X3
CTH E RELOCATION CROSS SECTIONS	



FILE NAME: WRSKSEC.DWG PLOT DATE: 8-6-99

ROTATE: 0