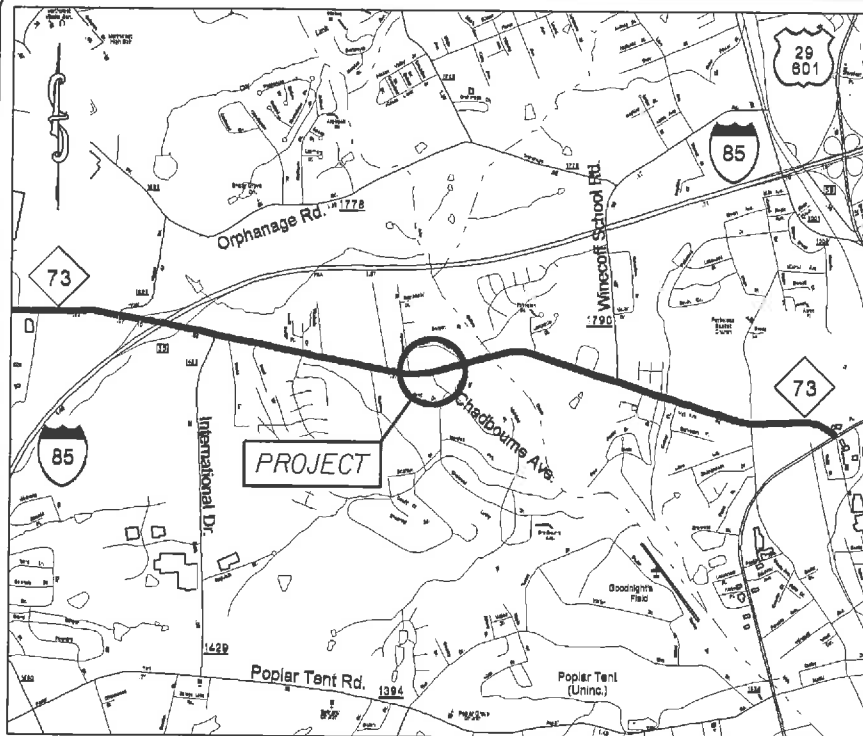


PROJECT: 43577.3.1 TIP:SS-4910AZ

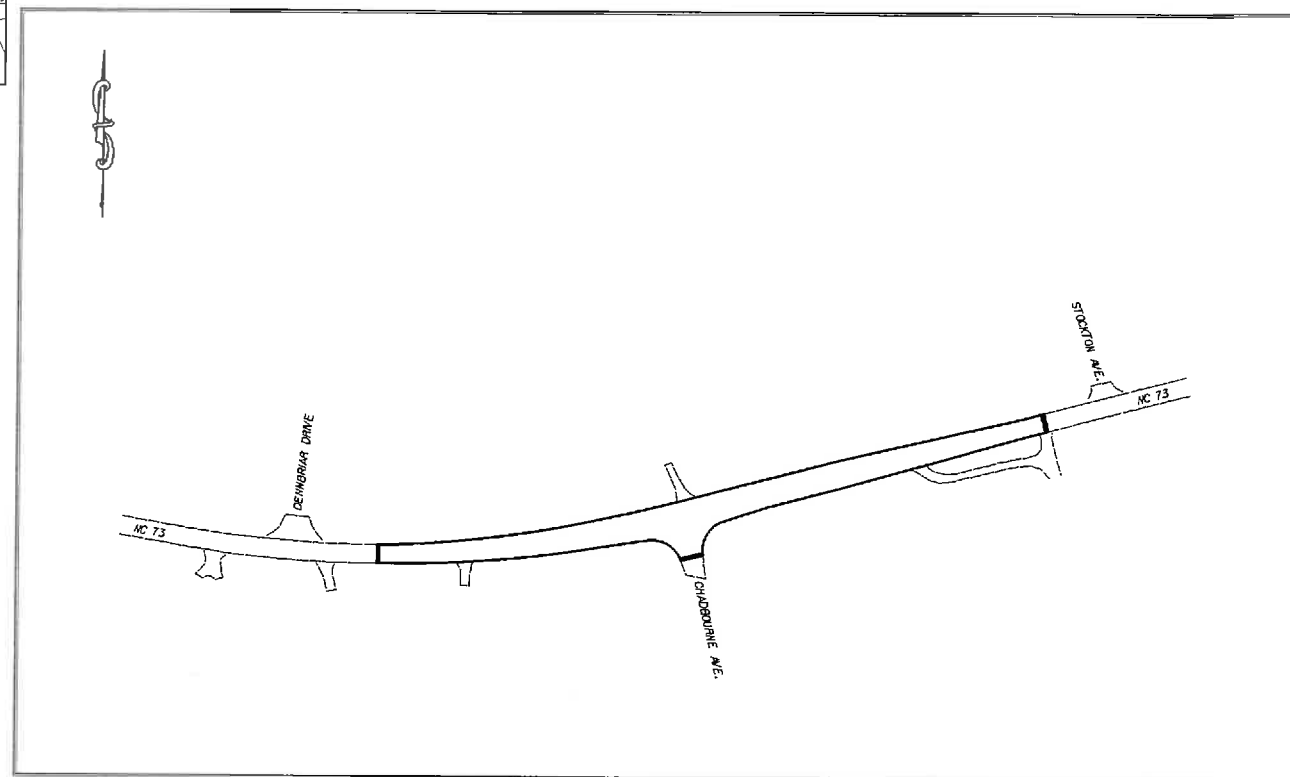


VICINITY MAP

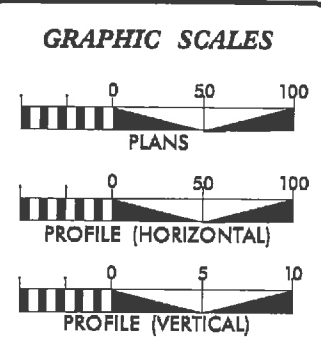
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**CABARRUS COUNTY**

**LOCATION:** INTERSECTION OF NC 73 AND CHADBOURNE AVE.

**TYPE OF WORK:** GRADING, PAVING, DRAINAGE &  
 THERMOPLASTIC PAVEMENT MARKINGS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	43577.3.1	1	
STATE PROJECT NO.	P.A. PROJECT NO.	DESCRIPTION	
43577.1.1		P.E.	
43577.2.1		R/W	
43577.3.1		CONST.	



**DESIGN DATA**

ADT	=	
ADT	=	
DHV	=	%
D	=	%
T	=	%
V	=	MPH

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT	=	0.17	MILES
TOTAL LENGTH OF STATE PROJECT	=	0.17	MILES

Prepared In the Office of:  
**DIVISION OF HIGHWAYS**  
 DIVISION TEN  
 DIVISION DESIGN / CONSTRUCT UNIT

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2012 STANDARD SPECIFICATIONS

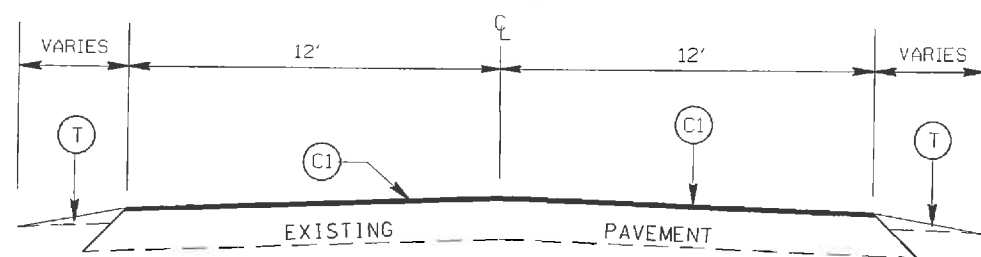
RIGHT OF WAY DATE:	RANDY BOWERS PROJECT ENGINEER
LETTING DATE: August 6, 2014	TERRY BURLESON PROJECT DESIGN ENGINEER



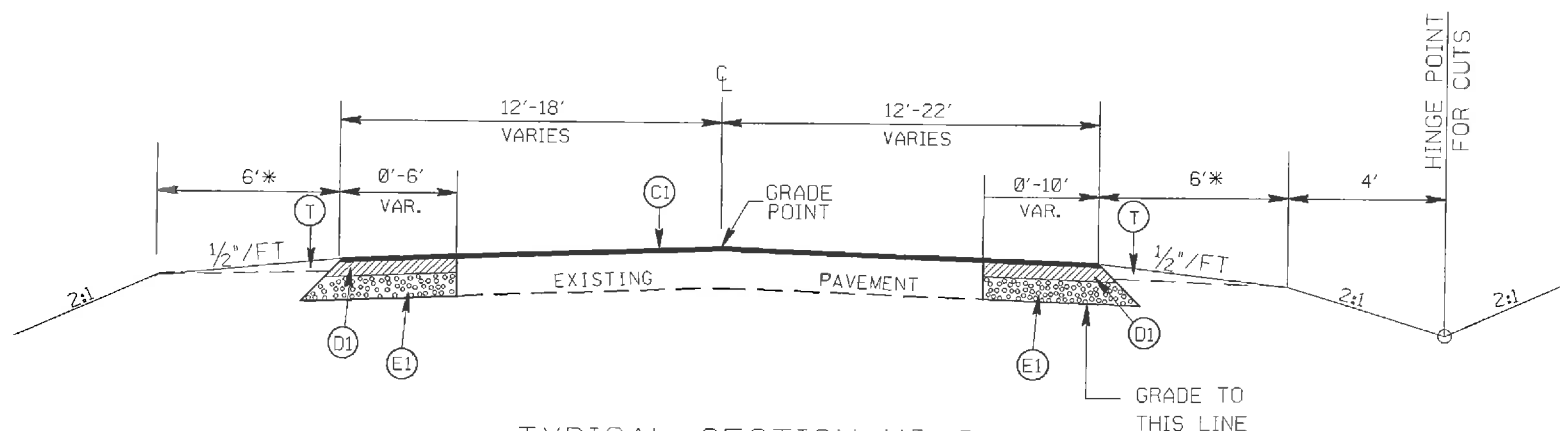
DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 EDC ENGINEER

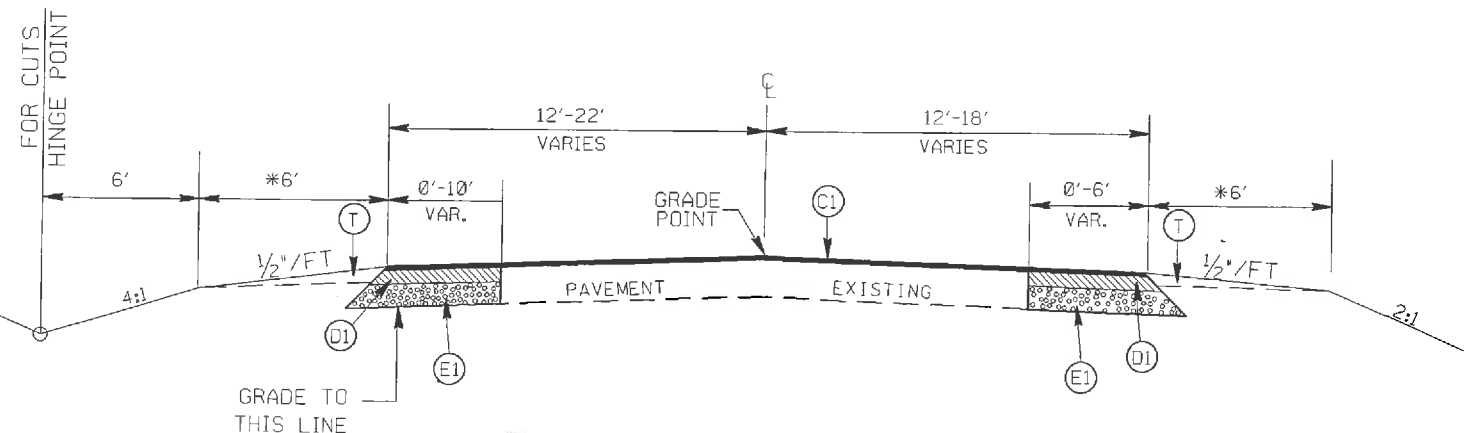
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	43577.3J	2	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1  
 STA. 13+41.54 TO 13+66.54 -L-  
 STA. 22+25 TO 22+50 -L-



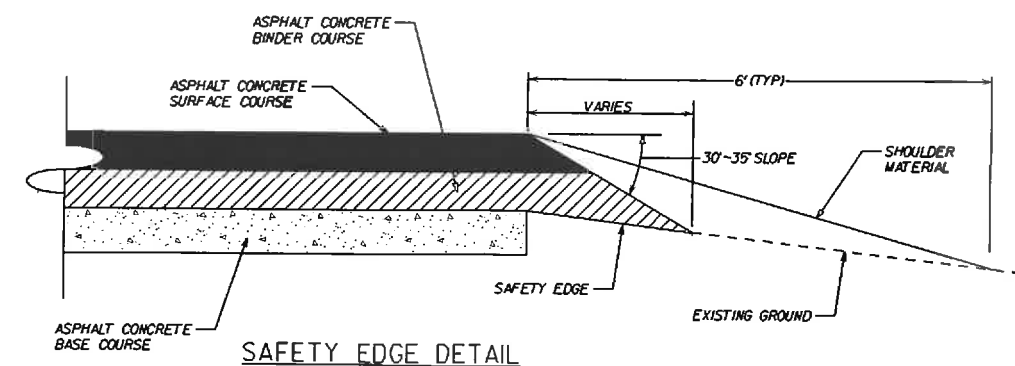
TYPICAL SECTION NO. 2  
 STA. 13+66.54 TO 15+50 -L-  
 STA. 18+00 TO 22+25 -L-



TYPICAL SECTION NO. 3  
 STA. 15+50 TO 18+00 -L-

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 3" ASPHALT CONC. BINDER COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 8.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(T)	EARTH MATERIAL



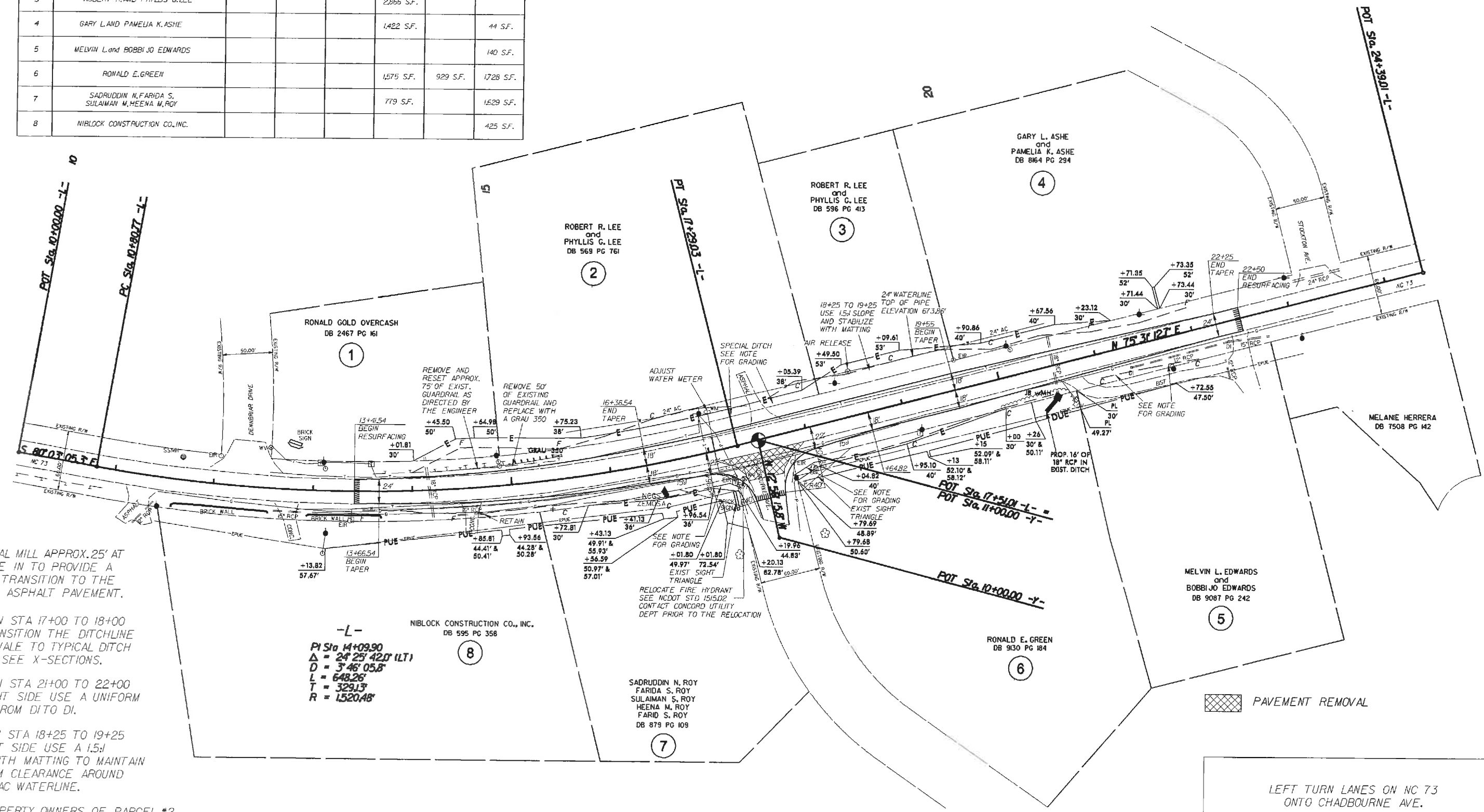
NOTES  
 \* - 7' WITH GUARDRAIL (FACE GR MIN. 4' FROM EOP)  
 USE 4:1 SLOPES BETWEEN STA. 15+50 & 18+00 LT -L-

LEFT TURN LANES ON NC 73 ONTO CHADBOURNE AVE.	
SCALE	1"=50'
DATE	10-12
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	RWB
REVISIONS	



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	43577.3.1	3	
F.A. PROJECT NO.			

PARCEL NO.	PARCEL OWNER	TOTAL ACREAGE	AREA TAKEN	AREA REMAINING	TEMP. CONST. EASE.	DUAL UTILITY EASE.	PERM. UTILITY EASE.
1	RONALD GOLD OVERCASH				1273 S.F.		
2	ROBERT R. AND PHYLLIS G. LEE				3,093 S.F.		
3	ROBERT R. AND PHYLLIS G. LEE				2,866 S.F.		
4	GARY L. AND PAMELIA K. ASHE				1,422 S.F.		44 S.F.
5	MELVIN L. and BOBBI JO EDWARDS						140 S.F.
6	RONALD E. GREEN				1,575 S.F.	929 S.F.	1,728 S.F.
7	SADRUDDIN N. FARIDA S. SULAIMAN M. HEENA M. ROY				779 S.F.		1,629 S.F.
8	NIBLOCK CONSTRUCTION CO., INC.						425 S.F.



NOTE: INCIDENTAL MILL APPROX. 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

BETWEEN STA 17+00 TO 18+00  
 -L- TRANSITION THE DITCHLINE FROM SWALE TO TYPICAL DITCH SECTION. SEE X-SECTIONS.

BETWEEN STA 21+00 TO 22+00  
 -L- RIGHT SIDE USE A UNIFORM SWALE FROM DITO DI.

BETWEEN STA 18+25 TO 19+25  
 -L- LEFT SIDE USE A 1.5:1 SLOPE WITH MATTING TO MAINTAIN 4' MINIMUM CLEARANCE AROUND THE 24" AC WATERLINE.

THE PROPERTY OWNERS OF PARCEL #2 REQUESTED THE SLOPES BE NO STEEPER THAN A 4:1. THEY AGREED TO ALLOW THE NCDOT TO ENCRANCH AS NEEDED TO INSURE THIS SLOPE.

-L-  
 PI Sta 14+09.90  
 $\Delta = 24' 25' 42.0" (LT)$   
 $D = 3' 46' 05.8"$   
 $L = 648.26'$   
 $T = 329.13'$   
 $R = 1520.48'$

PAVEMENT REMOVAL

LEFT TURN LANES ON NC 73 ONTO CHADBOURNE AVE.

SCALE	1"=50'		REVISIONS
DATE	10-12		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	RWB		

PAVEMENT MARKING SCHEDULE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	43577.3J	PMP-1	
F.A. PROJECT NO.			

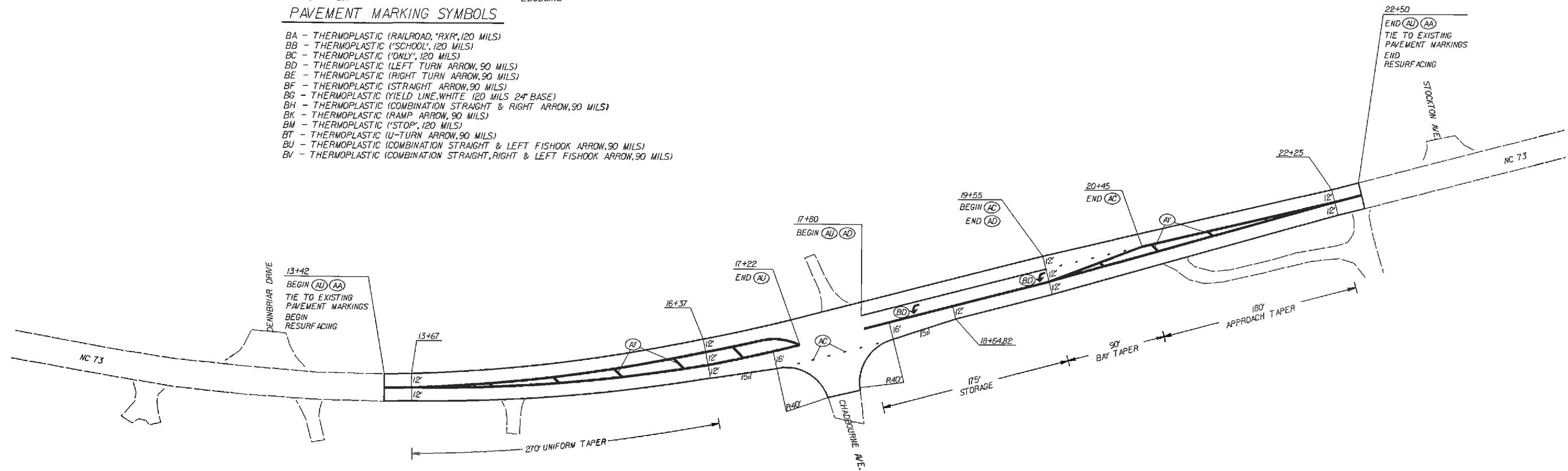
PAY ITEM DESCRIPTION

PAVEMENT MARKING LINES

- |  |  |
|--|--|
| AA - THERMOPLASTIC (4" WHITE, 90 MILS)   | EDGELINE                                   |
| AB - THERMOPLASTIC (4" WHITE, 120 MILS)  | 4" X 10' SKIP                              |
| AC - THERMOPLASTIC (4" WHITE, 120 MILS)  | 4" X 2" MINISKIP                           |
| AD - THERMOPLASTIC (4" WHITE, 120 MILS)  | SOLID LANE LINE                            |
| AH - THERMOPLASTIC (8" WHITE, 90 MILS)   | EDGELINE                                   |
| AI - THERMOPLASTIC (8" WHITE, 90 MILS)   | GORELINE                                   |
| AJ - THERMOPLASTIC (8" WHITE, 90 MILS)   | DIAGONALS                                  |
| AN - THERMOPLASTIC (12" WHITE, 120 MILS) | 12" X 3' MINISKIP W/3' GAP (ENTRANCE LINE) |
| AO - THERMOPLASTIC (24" WHITE, 120 MILS) | STOP BAR                                   |
| AP - THERMOPLASTIC (24" WHITE, 120 MILS) | CROSSWALK LINE                             |
| AQ - THERMOPLASTIC (4" YELLOW, 90 MILS)  | EDGELINE                                   |
| AR - THERMOPLASTIC (4" YELLOW, 120 MILS) | 4" X 10' SKIP                              |
| AS - THERMOPLASTIC (4" YELLOW, 120 MILS) | 4" X 2" MINISKIP                           |
| AT - THERMOPLASTIC (4" YELLOW, 120 MILS) | SINGLE CENTER LINE                         |
| AU - THERMOPLASTIC (4" YELLOW, 120 MILS) | DOUBLE CENTER LINE                         |
| AY - THERMOPLASTIC (8" YELLOW, 90 MILS)  | DIAGONALS                                  |
| AX - THERMOPLASTIC (8" YELLOW, 90 MILS)  | EDGELINE                                   |

PAVEMENT MARKING SYMBOLS

- |   |
|---|
| BA - THERMOPLASTIC (RAILROAD, "RXR", 120 MILS)                                  |
| BB - THERMOPLASTIC ("SCHOOL", 120 MILS)   |
| BC - THERMOPLASTIC ("ONLY", 120 MILS)   |
| BD - THERMOPLASTIC (LEFT TURN ARROW, 90 MILS)                                   |
| BE - THERMOPLASTIC (RIGHT TURN ARROW, 90 MILS)                                  |
| BF - THERMOPLASTIC (STRAIGHT ARROW, 90 MILS)                                    |
| BG - THERMOPLASTIC (YIELD LINE, WHITE 120 MILS 24" BASE)                        |
| BH - THERMOPLASTIC (COMBINATION STRAIGHT & RIGHT ARROW, 90 MILS)                |
| BK - THERMOPLASTIC (RAMP ARROW, 90 MILS)  |
| BM - THERMOPLASTIC ("STOP", 120 MILS)   |
| BT - THERMOPLASTIC (U-TURN ARROW, 90 MILS)                                      |
| BU - THERMOPLASTIC (COMBINATION STRAIGHT & LEFT FISHHOOK ARROW, 90 MILS)        |
| BV - THERMOPLASTIC (COMBINATION STRAIGHT, RIGHT & LEFT FISHHOOK ARROW, 90 MILS) |



LEFT TURN LANES ON NC 73  
ONTO CHADBOURNE AVE.

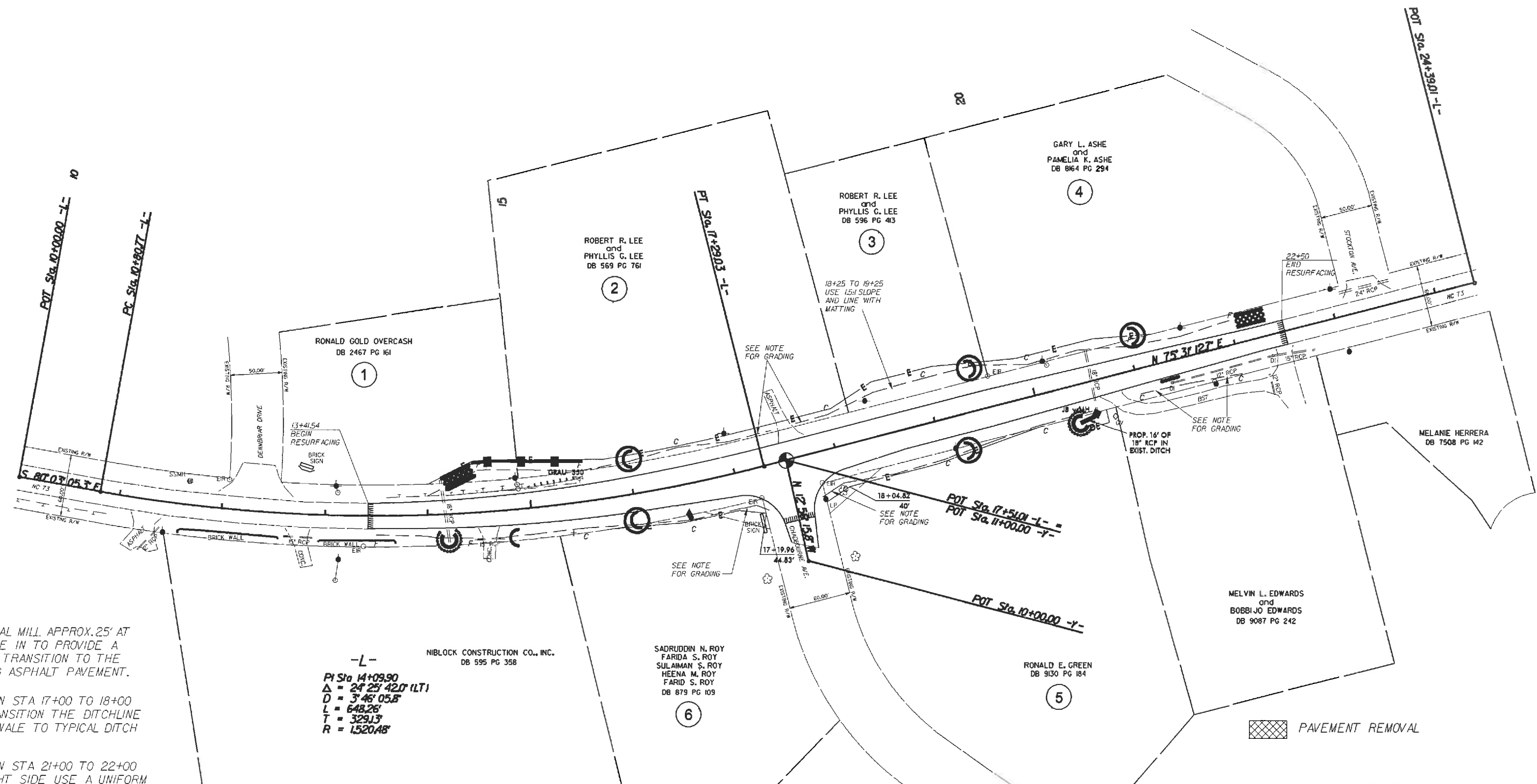
SCALE	1"=50'
DATE	10-12
DWG. BY	JDH
DESIGN BY	JDH
APPROVED	RWB



REVISIONS	



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	43577.3.1	EC-2	
F.A. PROJECT NO.			



NOTE: INCIDENTAL MILL APPROX. 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

BETWEEN STA 17+00 TO 18+00  
-L- TRANSITION THE DITCHLINE FROM SWALE TO TYPICAL DITCH SECTION.

BETWEEN STA 21+00 TO 22+00  
-L- RIGHT SIDE USE A UNIFORM SWALE FROM DIT TO DI.

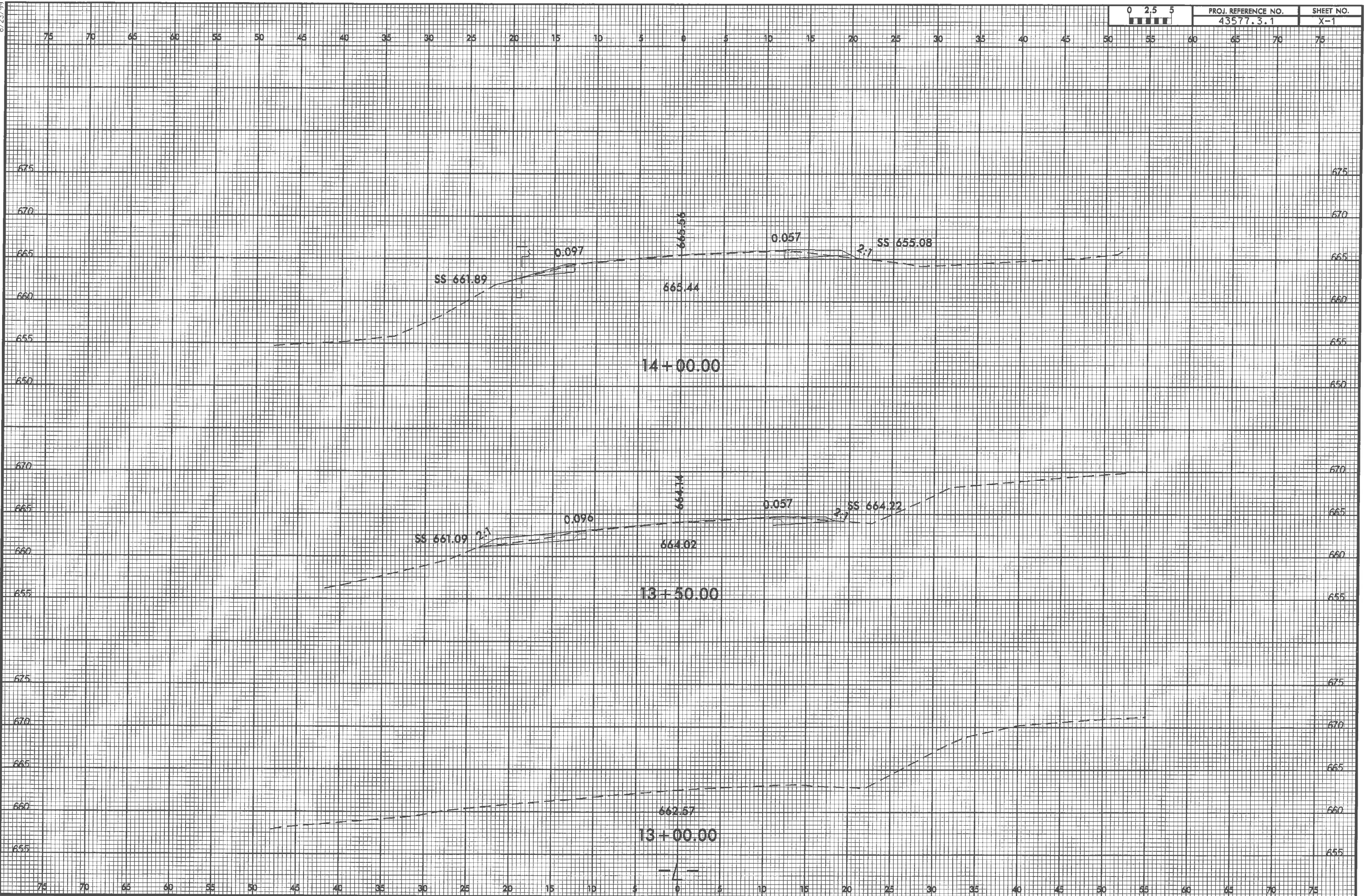
BETWEEN STA 18+25 TO 19+25  
-L- LEFT SIDE USE A 1.5:1 SLOPE WITH MATTING.

-L-  
 PI Sta 14+09.90  
 $\Delta = 24' 25" 42.0" (LT)$   
 $D = 3' 46" 05.8"$   
 $L = 648.26'$   
 $T = 329.13'$   
 $R = 1520.48'$

PAVEMENT REMOVAL

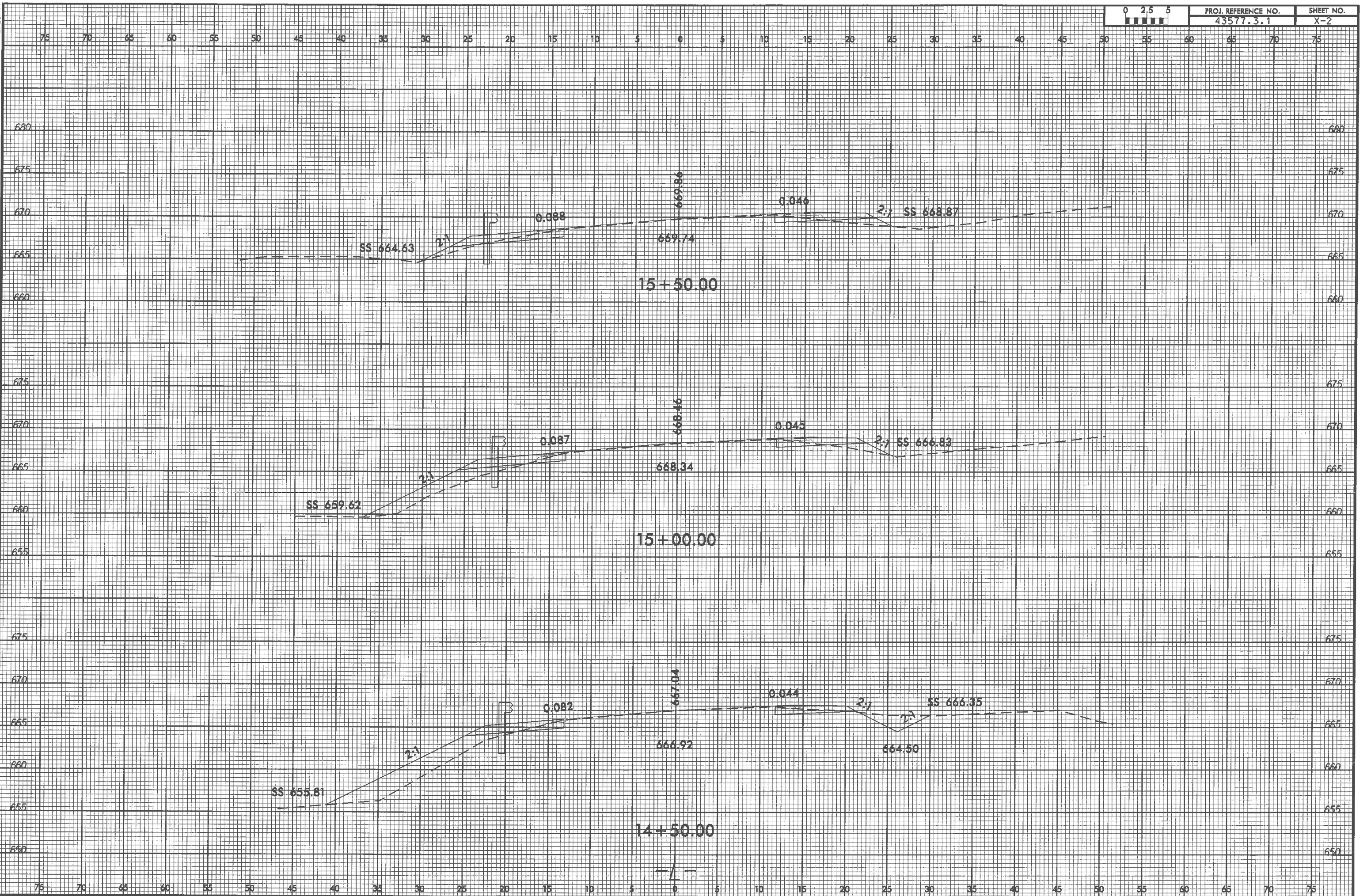
LEFT TURN LANES ON NC 73 ONTO CHADBOURNE AVE.

SCALE	1"=50'		REVISIONS
DATE	10-12		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	RWB		





8/23/99



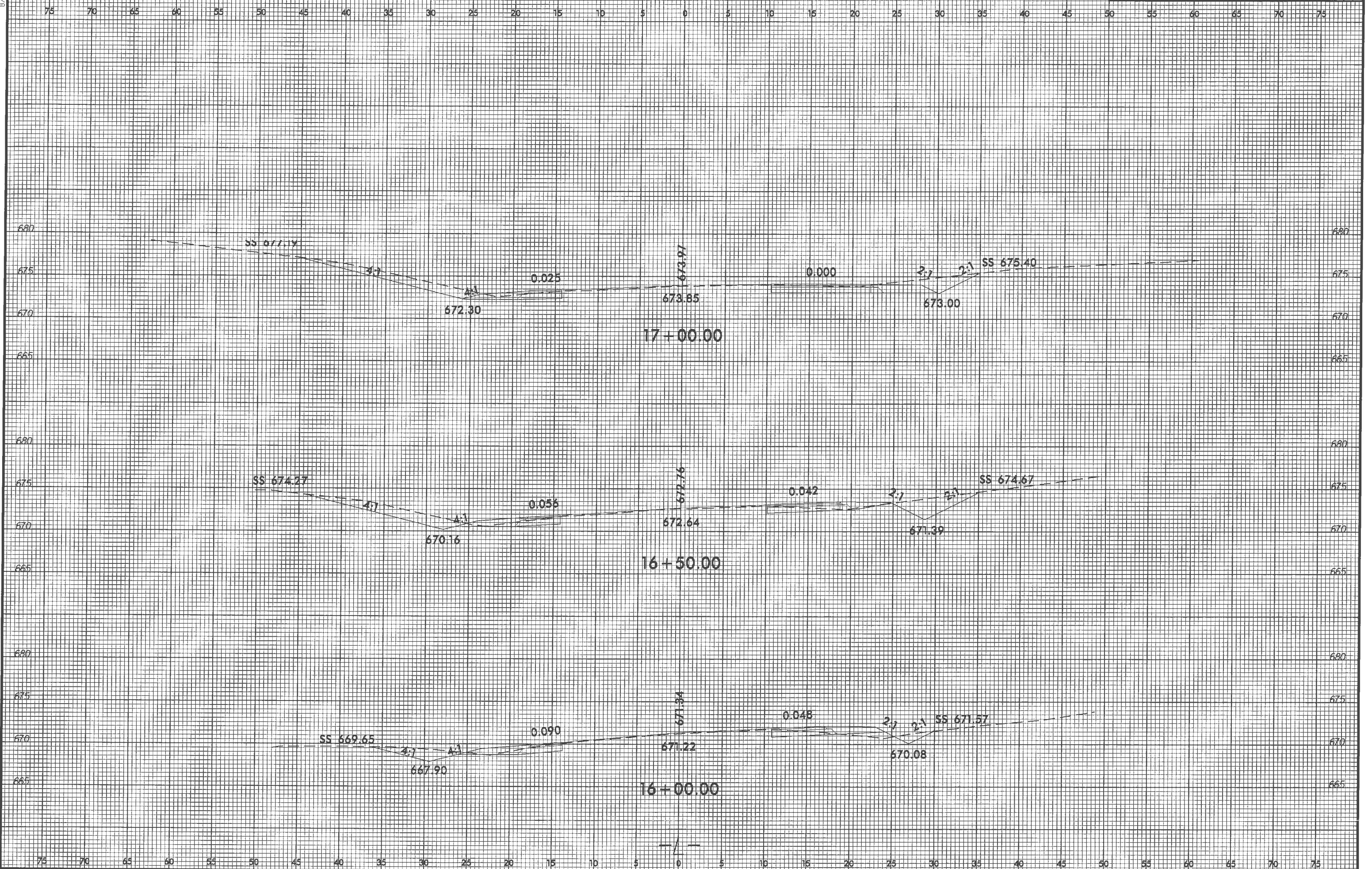
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8/23/99



PROJ. REFERENCE NO. 43577.3.1 SHEET NO. X-3



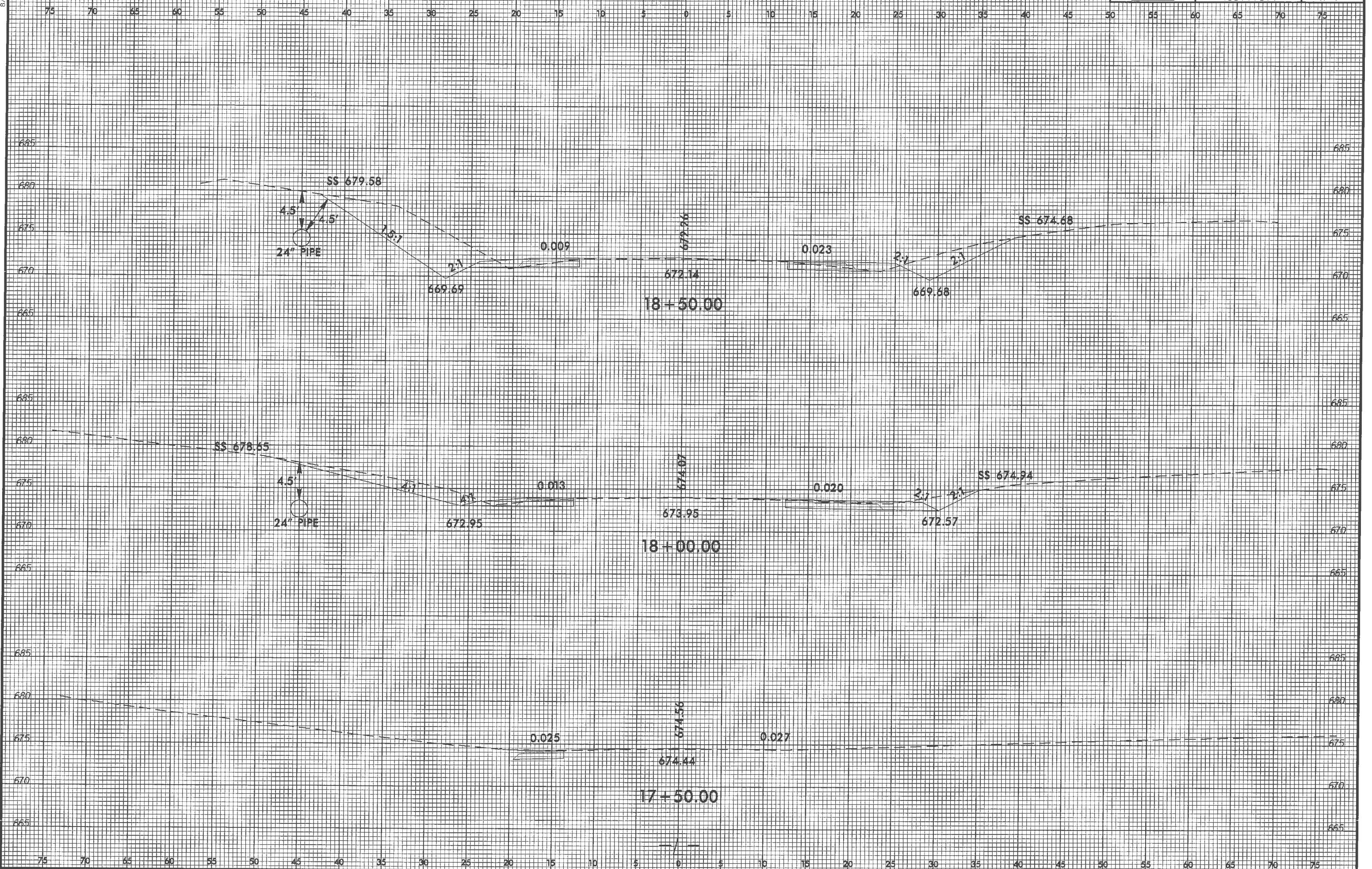
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8/23/99



PROJ. REFERENCE NO.  
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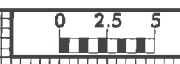
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X-4



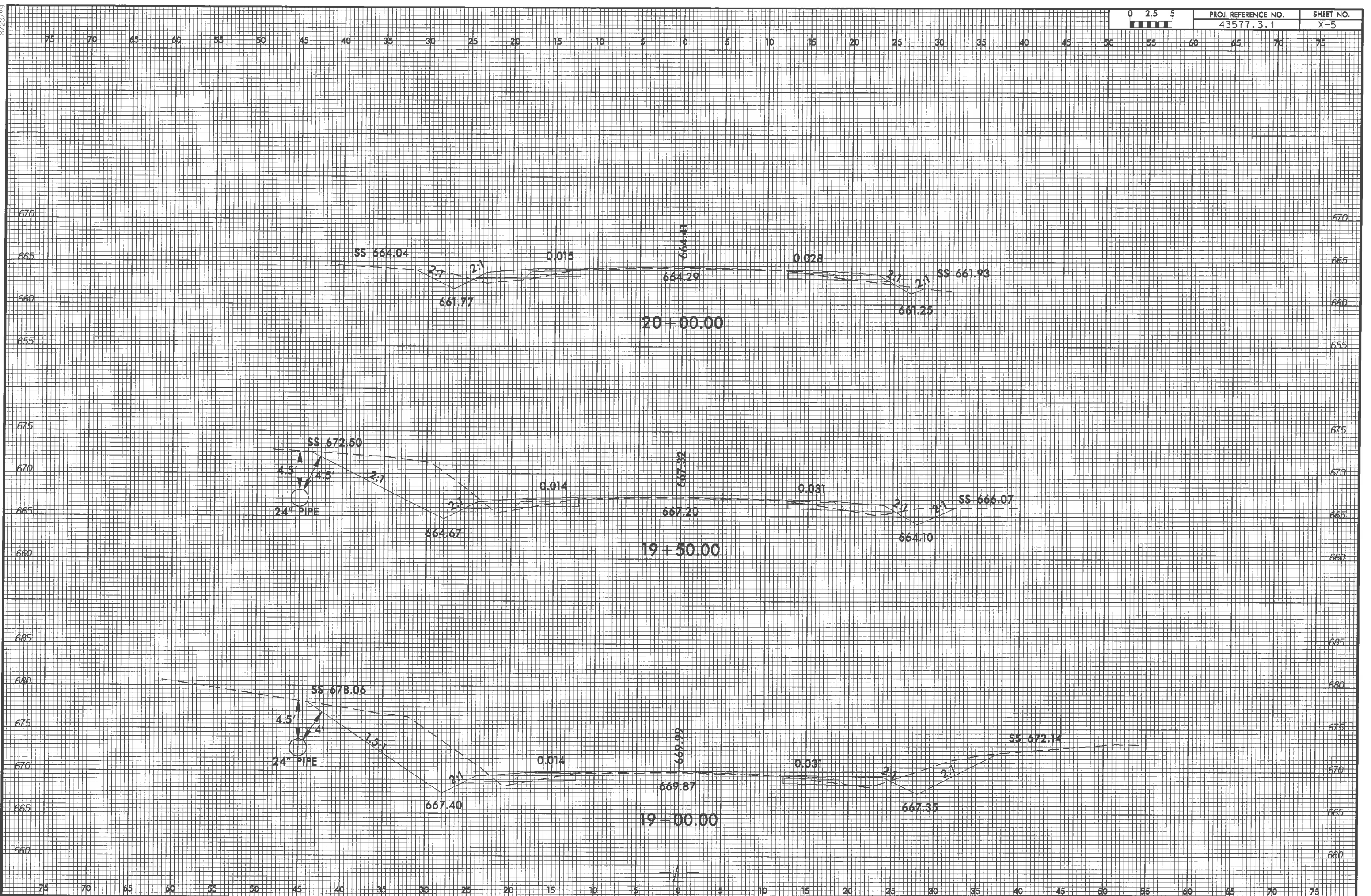
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8/23/99



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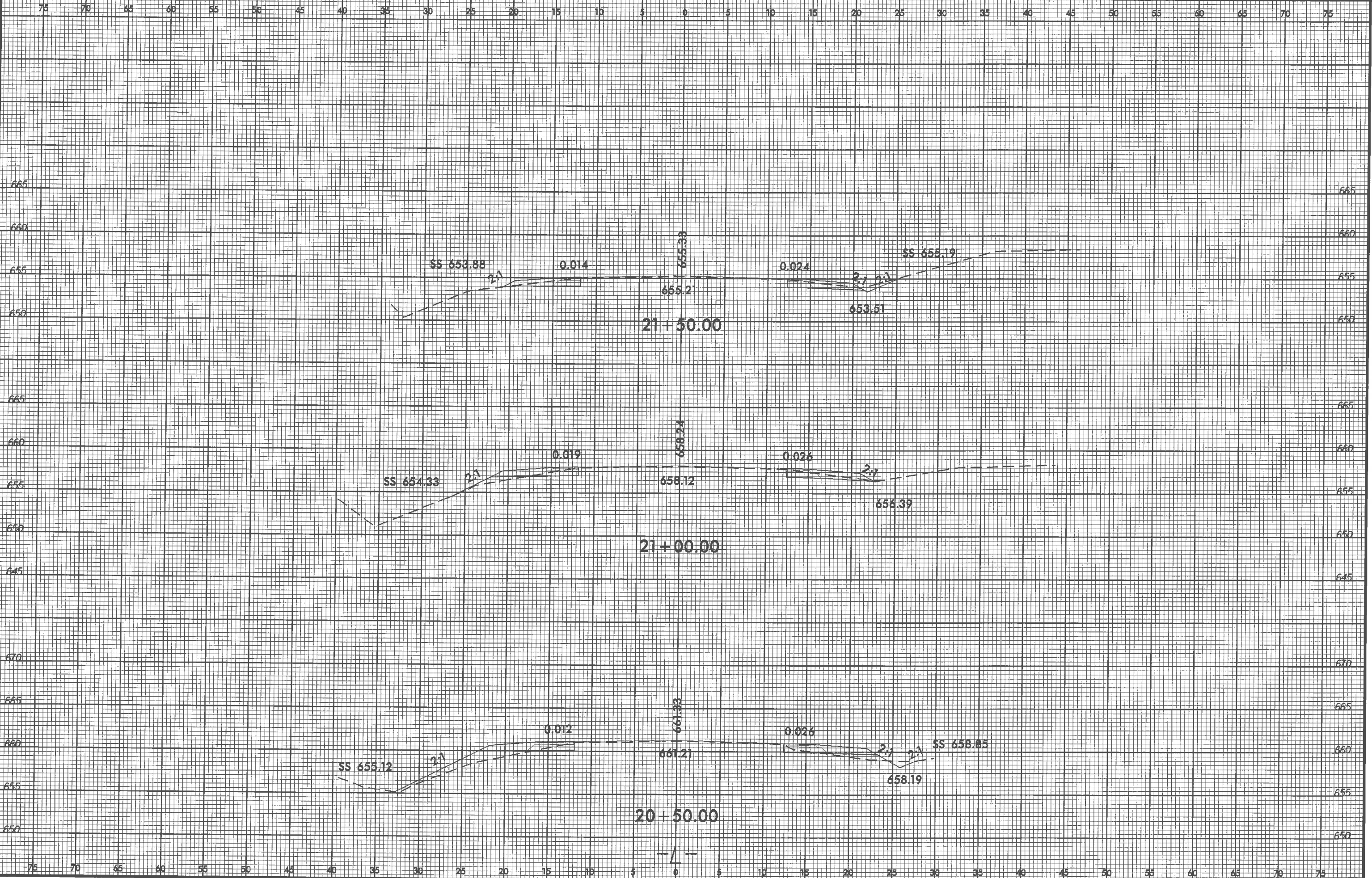


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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
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 jchadbourne



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