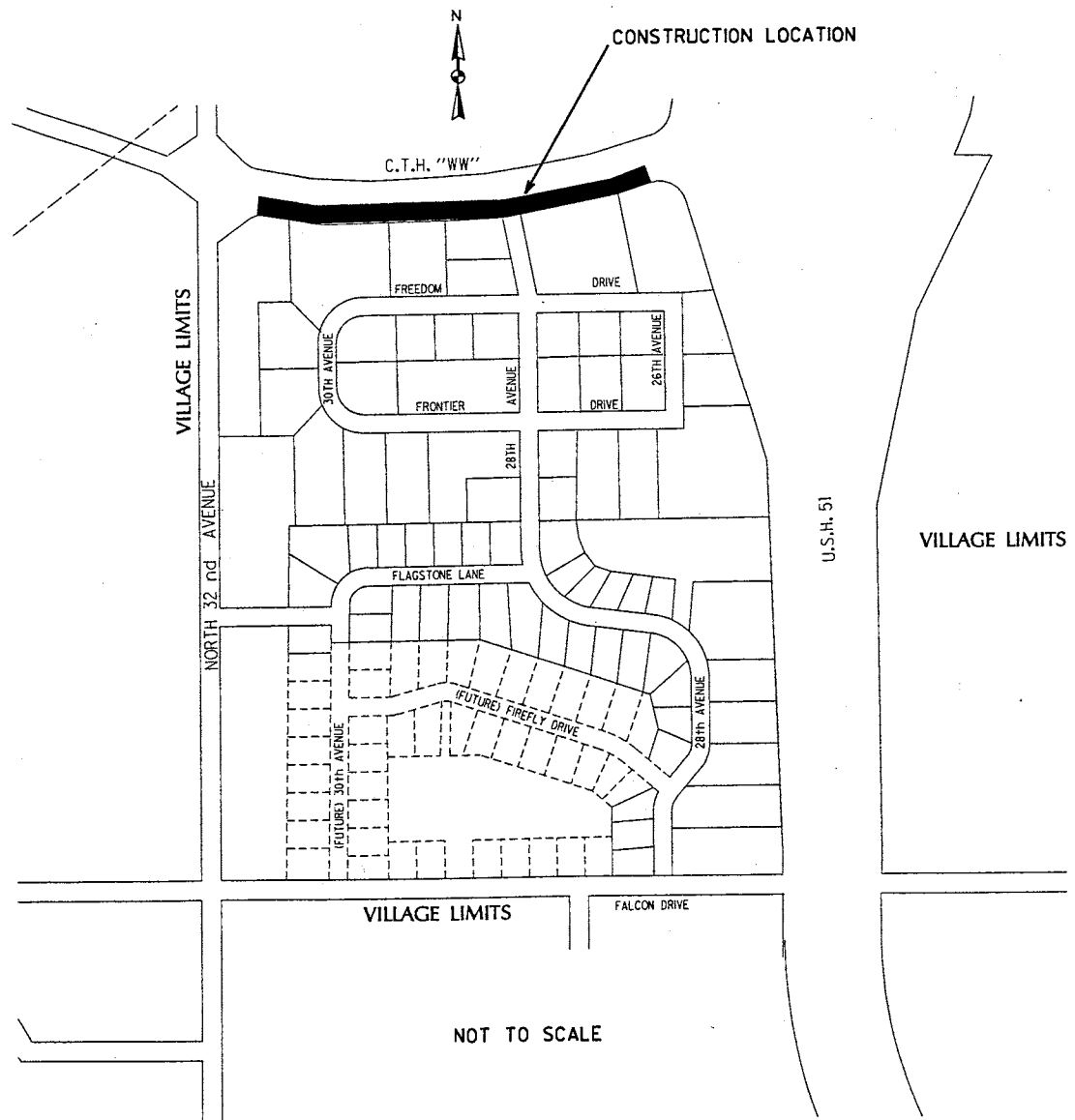
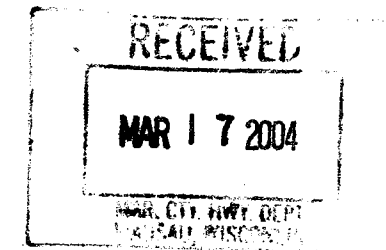


# CONSTRUCTION DRAWINGS FOR C.T.H. "WW" RIGHT TURN LANE ADDITION TO C.T.H. "WW" RECONSTRUCTION WISCONSIN DEPARTMENT OF TRANSPORTATION CONTRACT

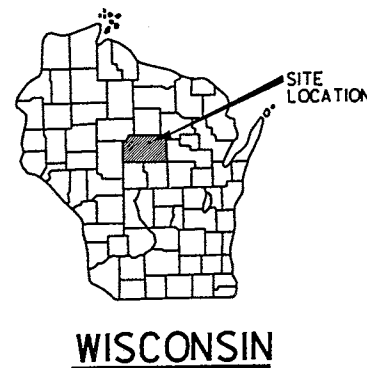


**VILLAGE OF BROKAW**  
MARATHON COUNTY, WISCONSIN  
MARCH, 2004



Prepared By  
**Foth & Van Dyke**  
consultants - engineers - scientists  
**038011**

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**SITE LOCATION MAP**

T. 29 N., R. 7 E.

CONSTRUCTION LOCATION

TITLE SHEET		1

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SANITARY SEWER (PLAN) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L) SA	IE...100'-8" PVC SAN @ 1.00%
SANITARY FORCE MAIN (PLAN) - LENGTH-DIA. MATERIAL	(SIZE & MAT'L) FM	IE...100'-8" PVC FORCE MAIN
STORM SEWER (PLAN) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L) ST	IE...100'-8" PVC STM @ 1.00%
WATERMAIN (PLAN)- LENGTH-DIA. MATERIAL-(FITTING-FITTING)	(SIZE & MAT'L) WM	IE...100'-8" PVC WM (TEE-TEE)
SANITARY SEWER (PROFILE) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L)	IE...100'-8" PVC SAN @ 1.00%
SANITARY FORCEMAIN (PROFILE) - DIA. MATERIAL	(SIZE & MAT'L)	IE...8" PVC FORCEMAIN
STORM SEWER (PROFILE) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L)	IE...100'-8" PVC STM @ 1.00%
WATERMAIN (PROFILE)- DIA. MATERIAL	(SIZE & MAT'L)	IE...8" PVC WM
GAS MAIN	G	G
ELECTRIC CABLE - BURIED	E	E
ELECTRIC CABLE - OVERHEAD	EOH	EOH
TELEPHONE CABLE - BURIED	T	T
TELEPHONE CABLE - BURIED (FIBER OPTIC)	FO	FO
TELEPHONE CABLE - OVERHEAD	TOH	TOH
CABLE TELEVISION - BURIED	TV	TV
CABLE TELEVISION - OVERHEAD	TVOH	TVOH
DIRECT BURIAL CABLE (MISCELLANEOUS)	DB	DB
OVERHEAD CABLE (MISCELLANEOUS)	OH	OH
CENTERLINE		
SURVEY LINE	PI	PI
CONSTRUCTION REFERENCE LINE		
RIGHT-OF-WAY LINE		
PROPERTY LINE		
EASEMENT LINE		
OFFSET OR SETBACK LINE		
ROADWAY OR DRIVEWAY - (BITUMINOUS OR CONCRETE)	EXIST. BIT./CONC. ROAD	
ROADWAY OR DRIVEWAY - GRAVEL	EXIST. GRAV. ROAD	
PAVED ROADWAY WITH GRAVEL SHOULDER	EXIST. BIT./CONC. ROAD	
SIDEWALK (TYPE IF KNOWN)	EXIST BIT./CONC. WALK	
CURB & GUTTER (SCALE 1"=50' & LARGER)		
CURB & GUTTER (SCALE SMALLER THAN 1"=50')		
RAILROAD (SCALE LARGER THAN 1"=20')		
RAILROAD (SCALE 1"=20' & SMALLER)		
FENCE - CHAIN LINK		
FENCE - BARBED WIRE		
FENCE - WOVEN WIRE		
FENCE - WOOD		
SWING GATE		
SLIDE GATE		
STONE FENCE	0000000000000000	0000000000000000
GUARDRAIL		
EDGE OF RIVER OR LAKE		
CENTERLINE OF DRAINAGE COURSE		
MARSH OR WETLAND		
BRIDGE		
BUILDINGS (LABELED HOUSE #, SHED, GARAGE, BLDG., ETC.)	(LABEL)	(LABEL)

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
BUSH CONIFER	BM	BM
BENCH MARK	BM	BM
BOTTOM OF SLOPE	X	X
CATCH BASIN		
CURB STOP		
CLEAN OUT		
TRAFFIC CONTROLLER BOX		
CONTROL POINT		
CABLE TV PEDESTAL		
TELEPHONE PEDESTAL		
DOWN GUY		
ELECTRIC PEDESTAL		
FIRE ALARM BOX		
FIRE HYDRANT		
GAS PUMP		
GUY POLE		
GAS PROBE		
GAS VALVE		
GAS VENT		
GAS WELL		
IRON PIPE		
LEACHATE STORAGE RISER		
LIFT STATION	LS	LS
LEACHATE WELL		
MANHOLE LEACHATE COLLECTION		
MANHOLE ELECTRIC		
MANHOLE GAS		
MANHOLE MISCELLANEOUS		
MANHOLE SANITARY		
MANHOLE SIGNAL		
MANHOLE STORM		
MANHOLE STORM INLET		
MANHOLE TELEPHONE		
MONITORING WELL		
OBSERVATION WELL		
POWER & LIGHT POLE		
PARKING METER		
POWER POLE		
RIGHT OF WAY MARKER		
RAILROAD SIGNAL		
SOIL BORING		
SECTION CORNER		
SIGN		
STREET LIGHT		
SEPTIC TANK		
STUMP		
TRAFFIC JUNCTION BOX		

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
TREE CONIFER		
TRAFFIC LIGHT		
TOP OF SLOPE	X	X
TELEPHONE POLE		
TREE DECIDUOUS		
TREE LINE		
TRANSMISSION TOWER		
WELL (WATER SUPPLY)		
WATER VALVE		
CULVERT	(DIA. & TYPE)	(LENGTH-DIA. & TYPE)
FLOW ARROW		
RIPRAP		
EROSION BALES		
SILT FENCE	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
MAJOR CONTOURS	890	890
MINOR CONTOURS		
DEPRESSION		
SPOT ELEVATIONS	891.2	891.22
COORDINATE LOCATION	NORTHING EASTING	NORTHING EASTING
FEDERAL HIGHWAY	141	
INTERSTATE HIGHWAY	43	
STATE TRUNK HIGHWAY	29	
COUNTY TRUNK HIGHWAY	A	
SAWCUT EXIST PAVEMENT		
REPLACE EXIST PAVEMENT		
DETAIL DESIGNATION	(DETAIL DESIGNATION) (SHEET NO.) WHERE CUT	(SHEET NO.) WHERE SHOWN
GRADE ELEVATION		(EXISTING) 840.88 (PROPOSED) 839.81

LIST OF STANDARD ABBREVIATIONS

A.D.T.	CENTRAL ANGLE OR DELTA
AC.	AVERAGE DAILY TRAFFIC
AGG.	AGGREGATE
AM.	AHEAD
AVG.	AVERAGE
B.	BACK TO BACK
BEG.	BEGINNING
BIT	BITUMINOUS
BL.	BASE LINE
BL. OR B/L	BUILDING
BLDG.	BENCH MARK
BM	CUT
C	CENTER TO CENTER
C.C.	CUBIC YARD
C.T. OR CU. YD.	CURB AND GUTTER
CAG	CATCH BASIN
CB	CENTER LINE
CL. OR C/L	CORRUGATED METAL PIPE
CM	COUNTY
CO.	CONCRETE
CONC.	CONCRETE
CONR.	CONCRETE
CR.	CRUSHED
CSH	CONCRETE SIDEWALK
CSN	COUNTY TRUNK HIGHWAY
CU.	CULVERT
CU.T.	CULVERTED
CWT.	MANHOLE LIGHT
D.	DEGREE OF CURVE
D.	DESIGN HOUR VOLUME
D.H.V.	DESIGN HOUR VOLUME
DEF.	DEFLECTION
DG	DITCH GRADE
D.I.	DITCH GRADE
D.I.	DITCH GRADE
DISCH. OR DIS.	DISCHARGE
DISCH.	EAST OR EAST PROJECT COORDINATE
E.B. (L.)	EASTBOUND (LANE)
E.S.S.	EXCAVATION BELOW SURFACE
E.	EACH
E.A.	ELEVATION
EL. OR ELEV.	ELEVATION
ELEC.	ELECTRIC (AL)
EMB.	EMBANKMENT
ENT.	ENTRANCE
EXC.	EXCAVATION
EXIST. OR EX.	EXISTING
F	FACE TO FACE
F.F.	FOUNDATION
FDW.	FIELD ENTRANCE
FE	FERTILIZE
FE	FINISHED GRADE
FL. OR F/L	FLOW LINE
FT.	FOOT
FTG.	FOOTING
GR.	GRAVEL
GR.	GRAVEL
GR.	GRAVEL
G.D.	GRID NORTH
H.R.	HANDICAP RAMP
H.	HOUSE
HT.	HEIGHT
HYD.	HYDRANT
I	INTERSECTION ANGLE
I.C.S.	INTERNAL CHIMNEY SEAL
ID	INSIDE DIAMETER
IE...	EXAMPLE
IN.	INCH
INCH	INCH
INT.	INTERSECTION
INTERS.	INTERSECTION
INV	INVERT
IP	IRON PIPE OR PIN
JCT.	JUNCTION
L.	LENGTH (OF CURVE)
L.C.	LONG CHORD OF CURVE
L.S.	LAMP SUM
LS	LEACHATE STORAGE RISER
LN. FT. OR LF	LINEAR FOOT
LS	LIFT STATION
MA.	MARKER
M.P.	MARKER POST
MAINT.	MAINTENANCE
MAT'L.	MATERIAL
N.	NORTH OR NORTH PROJECT COORDINATE
N.B.	NORTHBOUND
N.C.	NORMAL CROWN
NO.	NUMBER
NOM.	NORTH
O.D.	OUTSIDE DIAMETER
OBLIT.	OBLITERATE
P.C.	POINT OF CURVATURE
P.C.C.	PORTLAND CEMENT CONCRETE
P.S.D.	PASSING SIGHT DISTANCE
P.S.D.	POINTS PER SQUARE INCH
P.S.D.	PAVEMENT
P.C.	POINT OF CURVATURE
P.E.	PRIVATE ENTRANCE
P.E.	POLYETHYLENE
P.I.	POINT OF INTERSECTION
P.C.	POINT OF CURVE
POT	POINT ON TANGENT
P.L.E.	PERMANENT LIMITED EASEMENT
PROJ.	PROJECT
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R.	RADIUS
R.O.W.	RIGHT-OF-WAY
R.P.	REFERENCE POINT
R.F.	RETAINING WALL
R.C.P.	REINFORCED CONCRETE PIPE
RD.	ROADWAY
R.D.W.	REINFORCEMENT BAR
REL.	RELOCATE (D)
RE.M.	REMAINING
RESID.	RESIDUAL
R. OR R/L	REFERENCE LINE
RP	RADIUS POINT
RR	RAILROAD
RT.	RIGHT
S	SOUTH
S.B.	SOUTHBOUND
S.E.	SUPERELEVATION
S.F. OR SO. FT.	SQUARE FEET
S.P.P.	STRUCTURAL PLATE PIPE
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
S.T.H.	STATE TRUNK HIGHWAY
S.Y. OR SO. YD.	SQUARE YARD
SALV.	SALVAGED
SAN.	SANITARY
SEC.	SECTION
SHDR.	SHOULDER
SHR.	SHRINKAGE
SL. OR S/L	SURVEY LINE
SSD	STOPPING SIGHT DISTANCE
STA.	STATION
STD.	STANDARD
STR	STRUCTURE OR STRUCTURAL
STR	STRUCTURE
T/O/C	TANGENT
T. OR TH.	TOWN
TEL.	TELEPHONE
TEMP.	TEMPORARY
T.L.E.	TEMPORARY LIMITED EASEMENT
TR.	TRAIL LINE
T.L. OR T/L	TRANSITION
TR.	TRANSITION
TYP.	TYPICAL
U.G.	UNDERGROUND
UNCL.	UNCLASSIFIED
USH	U.S. HIGHWAY
V.	VELOCITY OR DESIGN SPEED
VAR.	VARIABLE
VERT.	VERTICAL CURVE
VERT.	VERTICAL
VOL.	VOLUME
W.B.	WESTBOUND (LANE)
WM	WATER MAIN
WV	WATER VALVE
X.C.S.	EXTERNAL CHIMNEY SEAL
YD.	YARD

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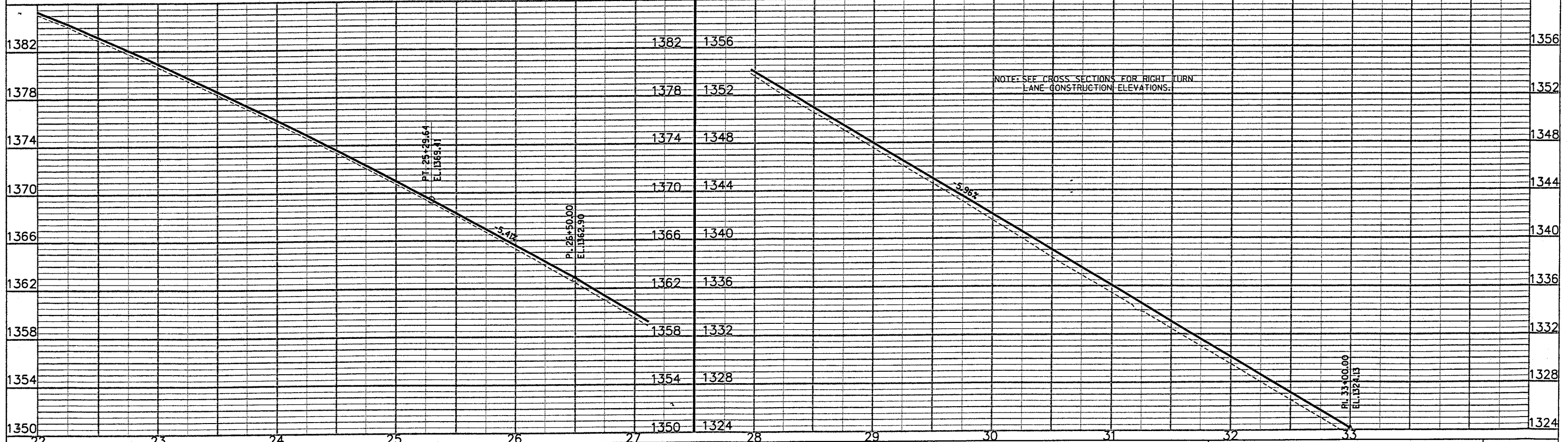
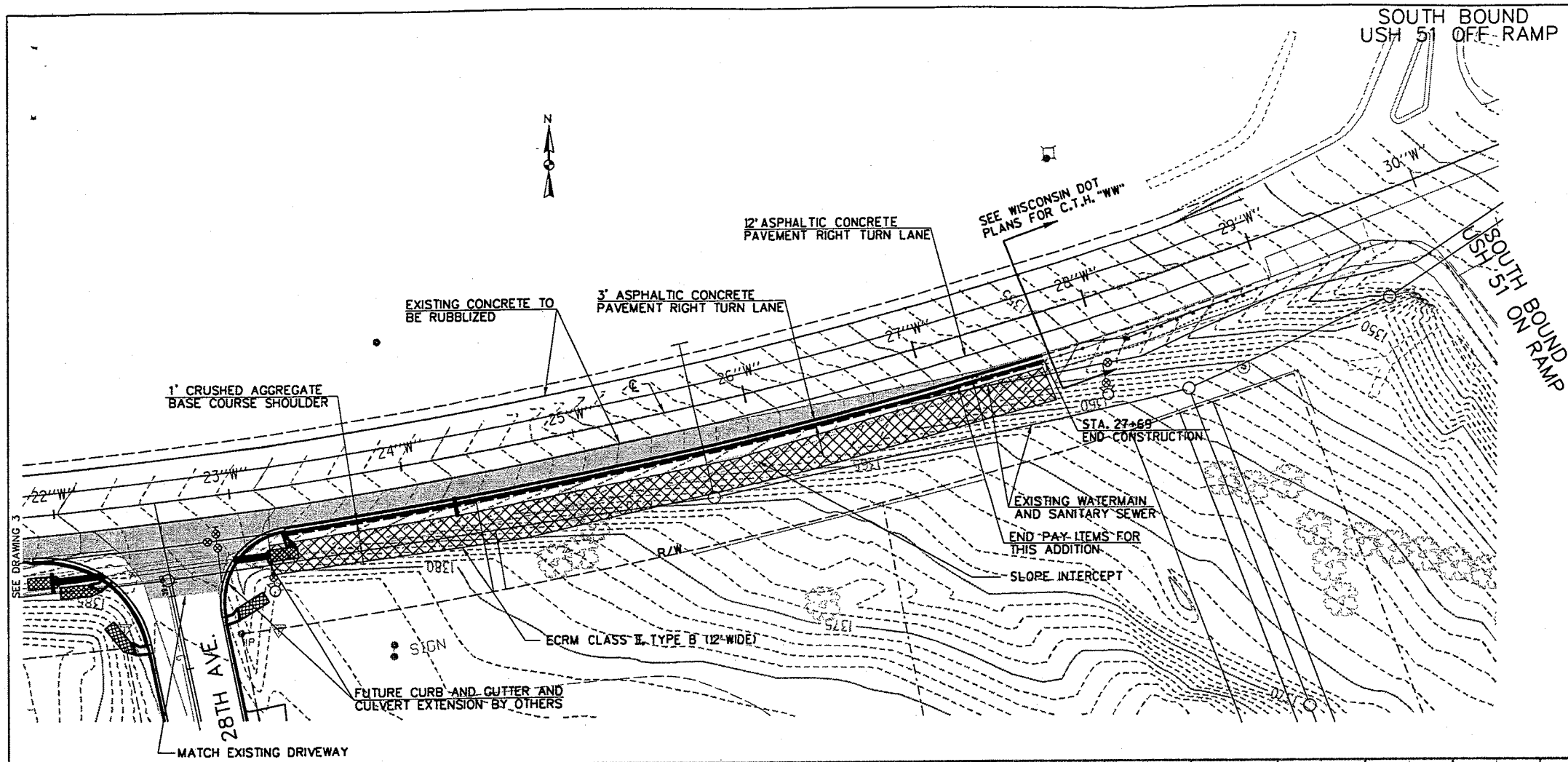
VILLAGE OF BROKAW  
C.T.H "WW" RIGHT TURN LANE

STD. ABBREVIATIONS & SYMBOLS

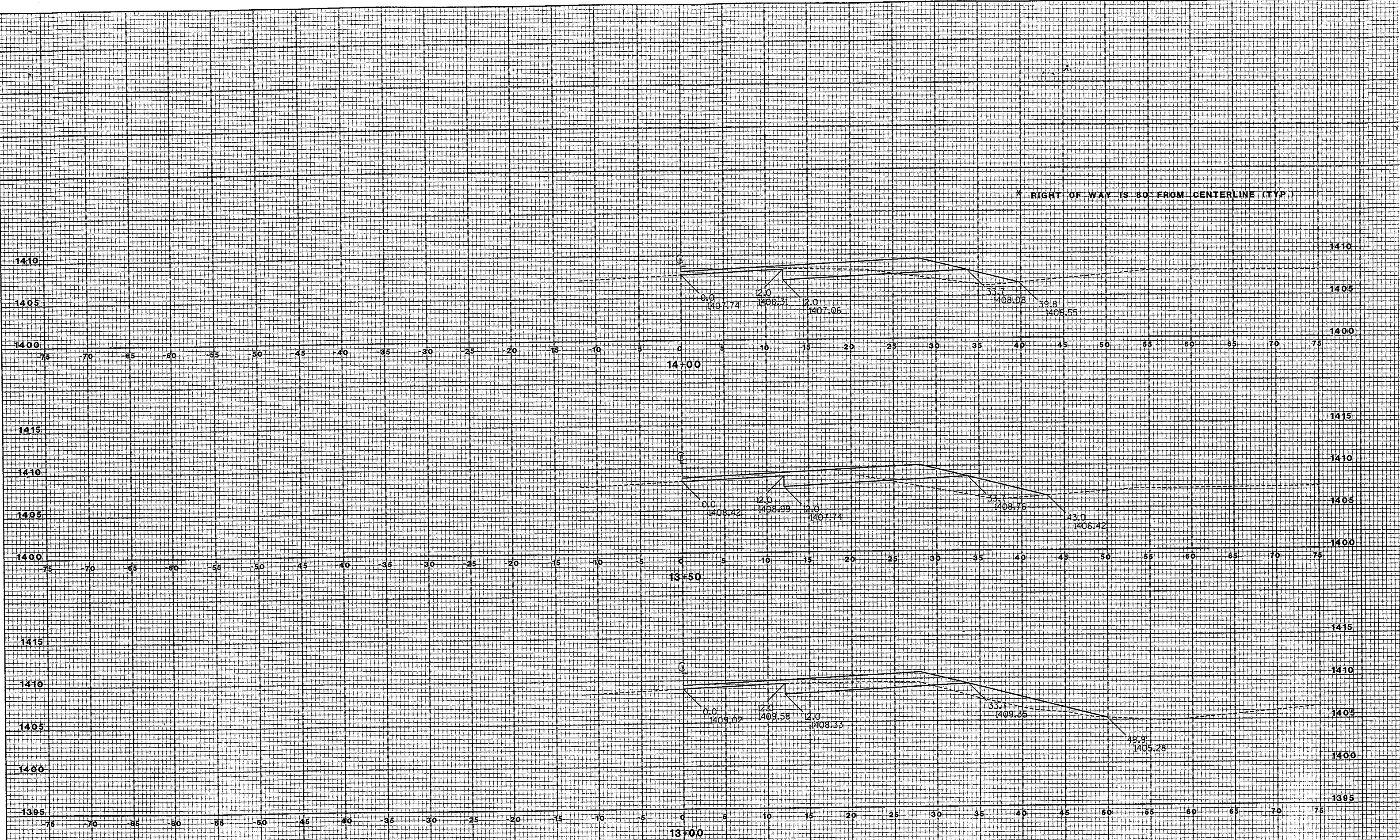
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BM.11 ELEV. 1404.12	SET RAILROAD SPIKE IN POWER POLE #2907 4R49 AT 28TH AVENUE AND FRONTIER STREET
BM.12 ELEV. 1413.57	SET NAIL IN POWER POLE ON SOUTH SIDE OF FRONTIER DRIVE NEXT TO A WHITE GARAGE SHED

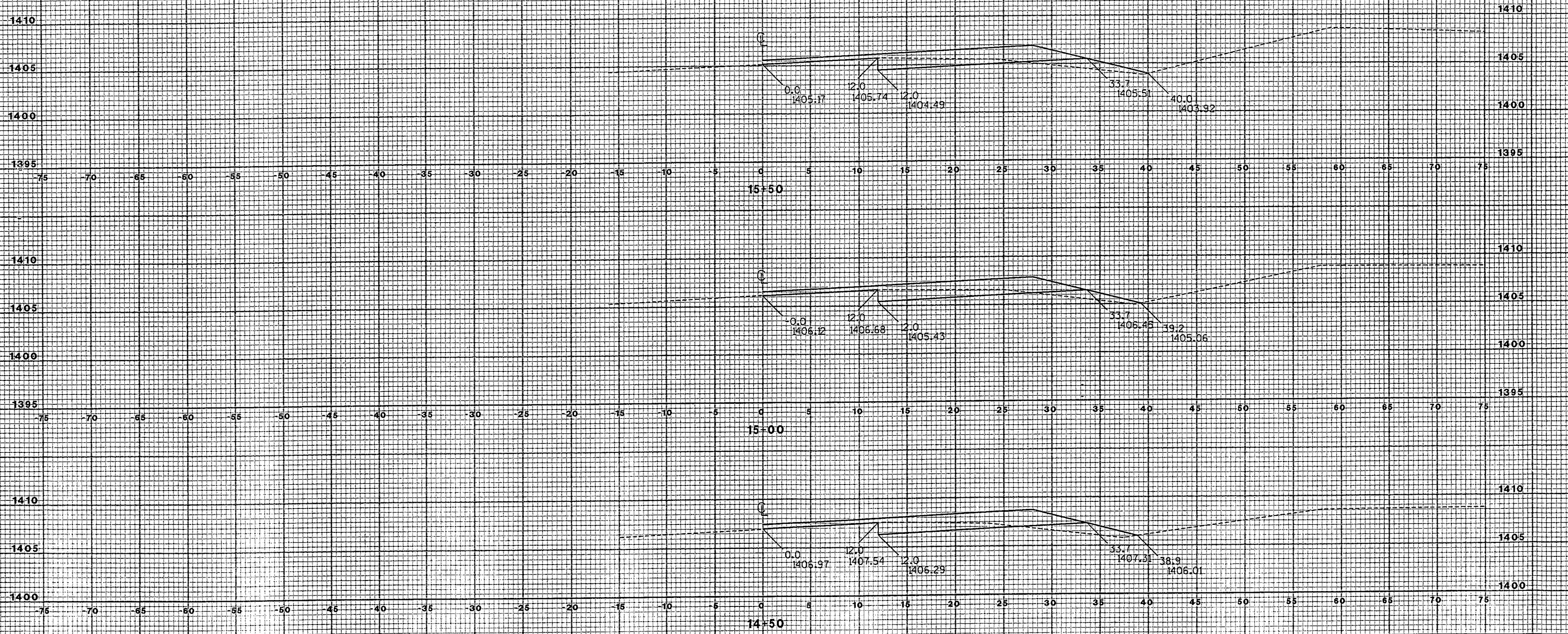


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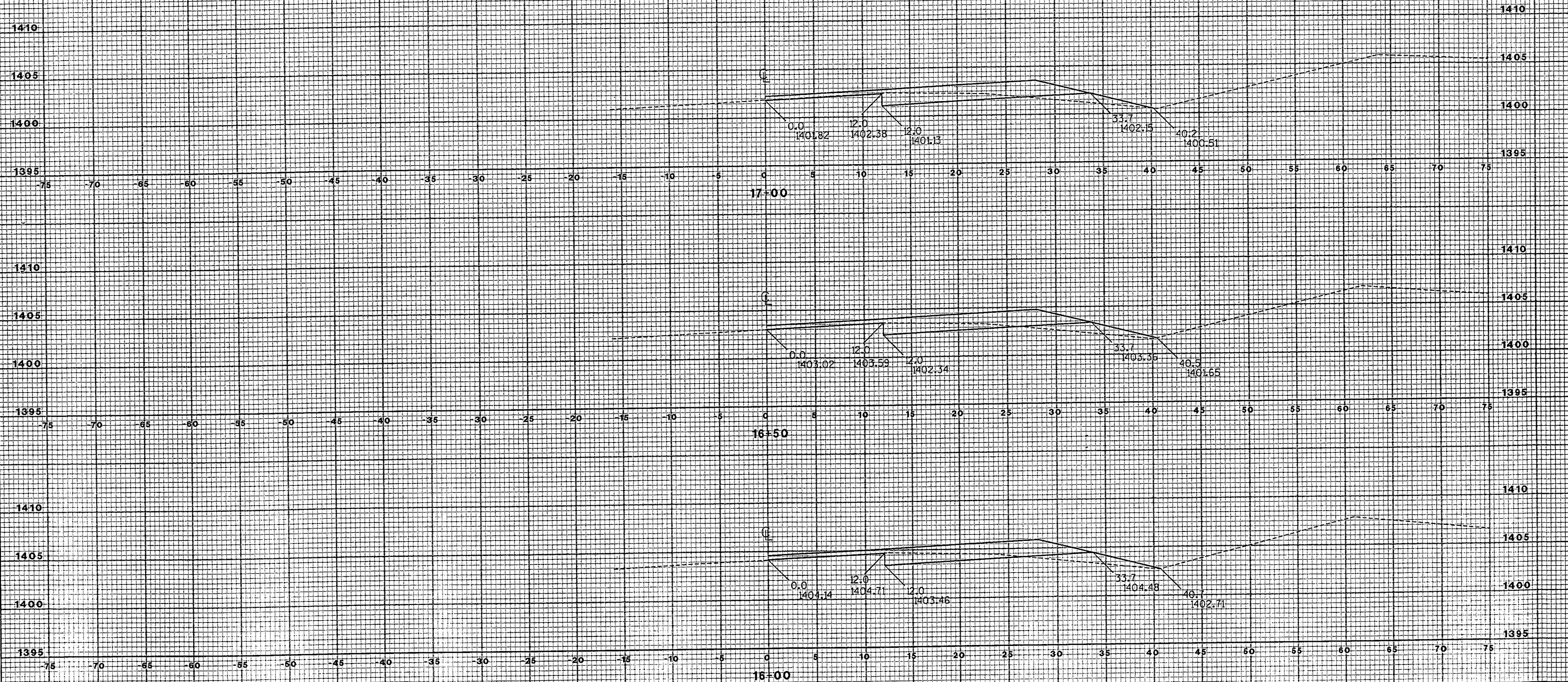
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NO.	DESCRIPTION	DATE	BY																

\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)



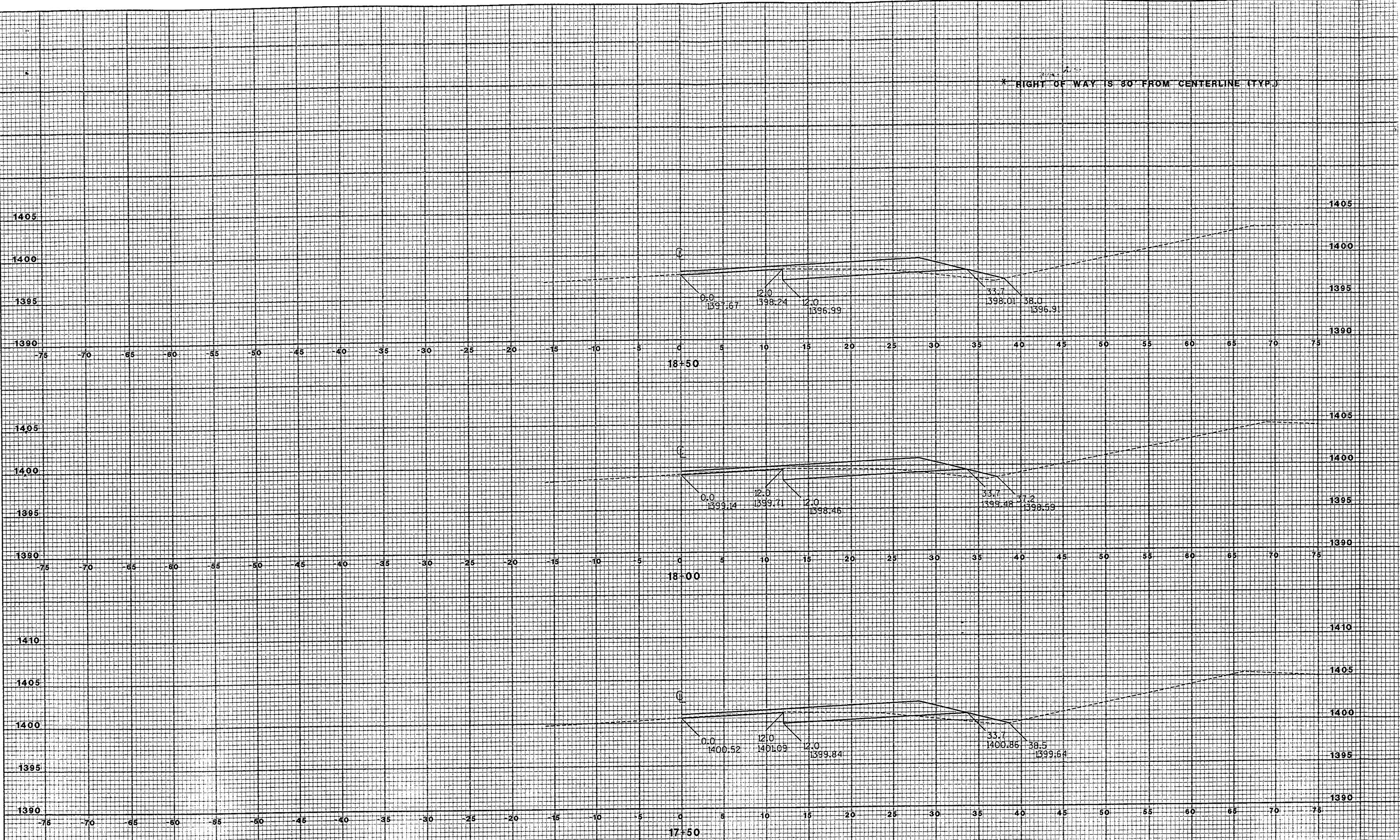
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			SRL / 3/04 EPR / I:\04008\refs\crosssections.dgn srl 03/08/2004	© 1995 Foth & Van Dyke and Associates Inc.				

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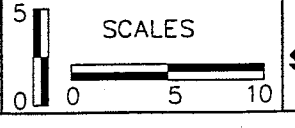


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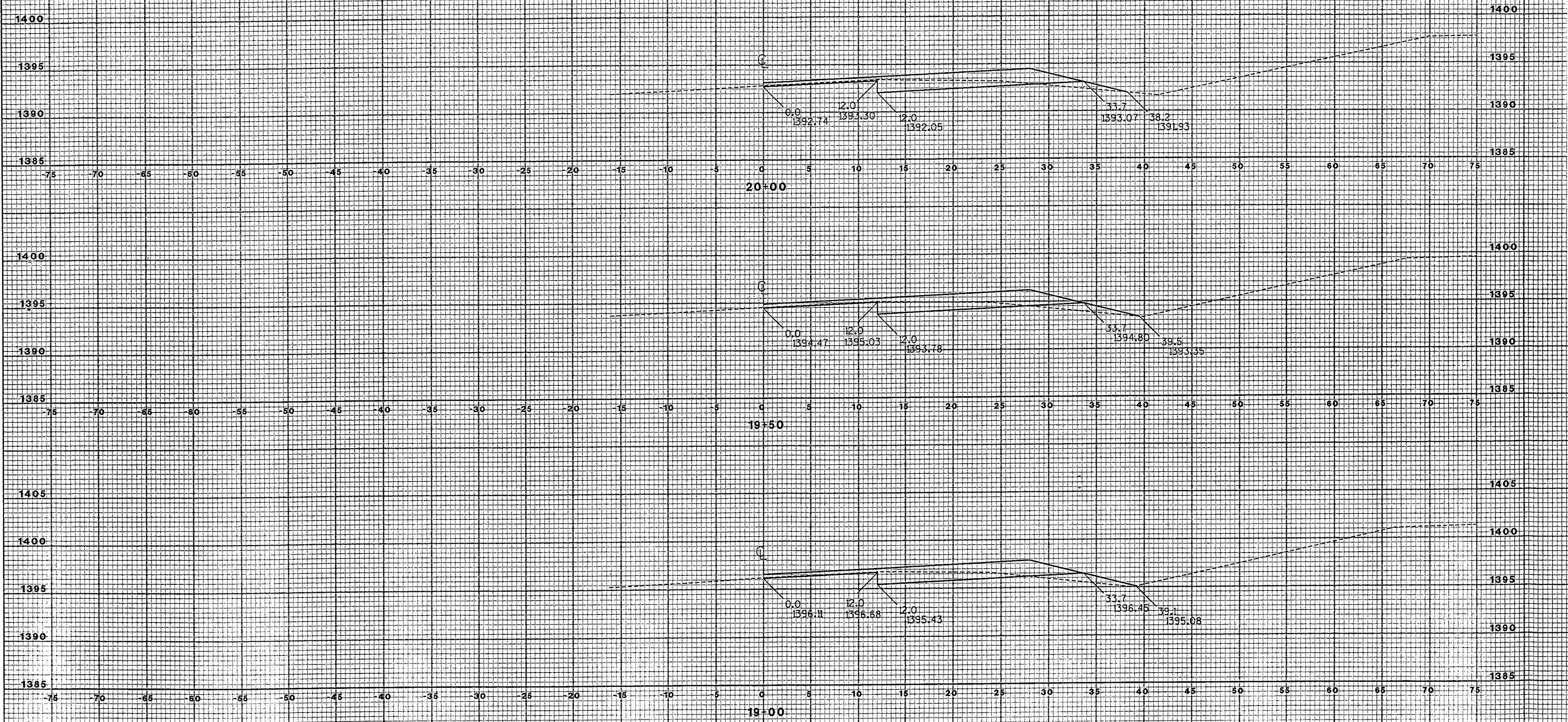


VILLAGE OF BROKAW  
C.T.H. "WW" RIGHT TURN LANE

C.T.H. "WW"  
CROSS SECTIONS

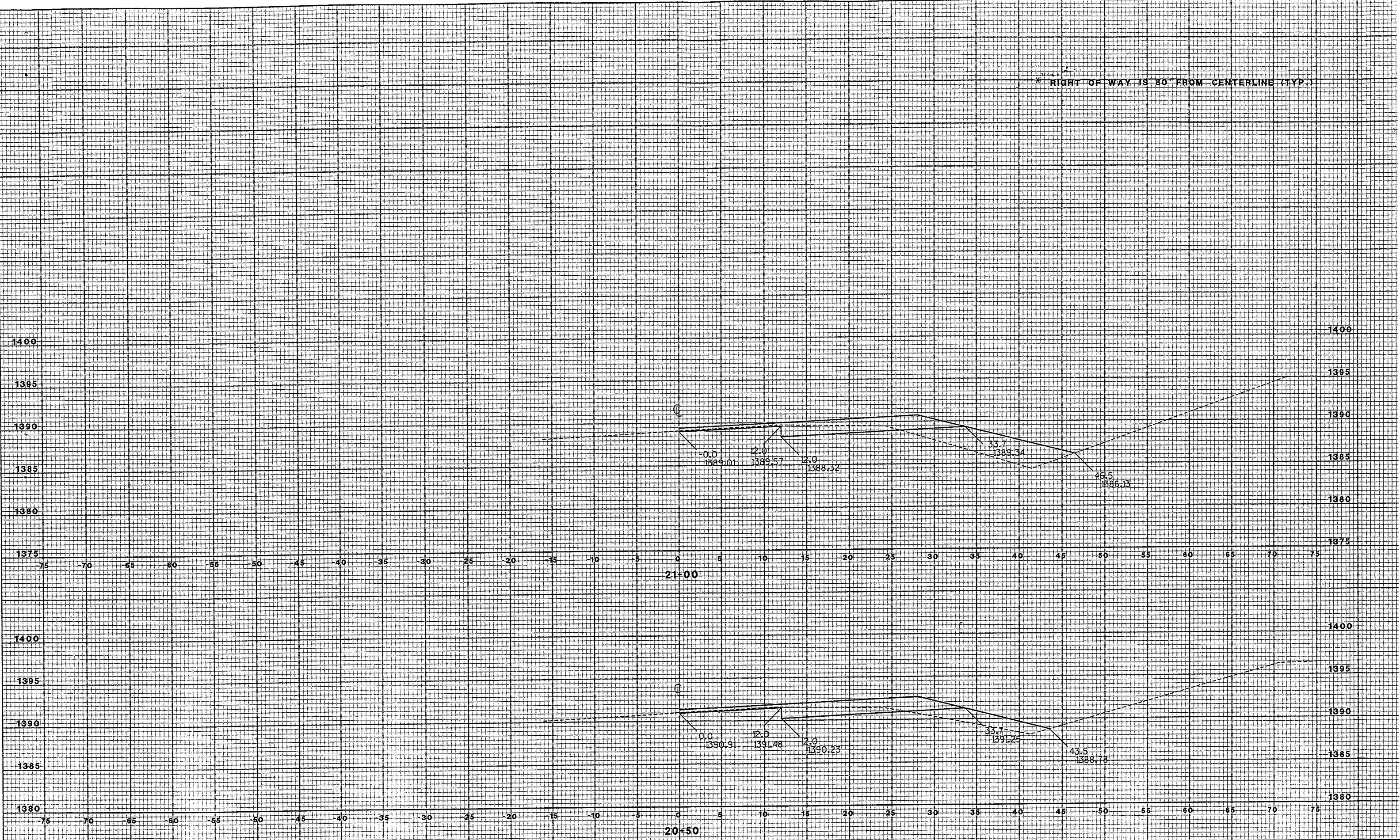
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\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)



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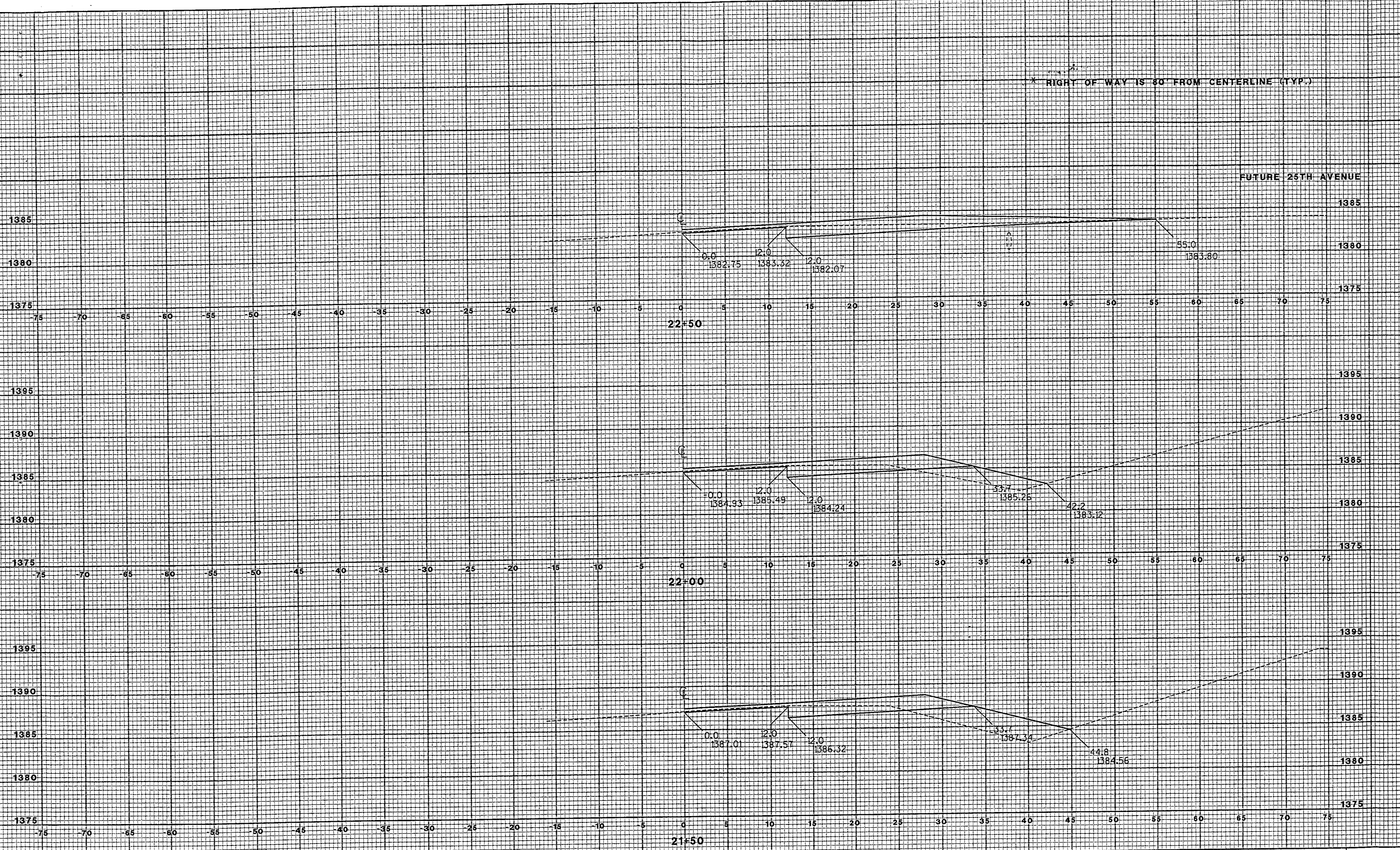
\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)



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NO.	DESCRIPTION	DATE	BY												

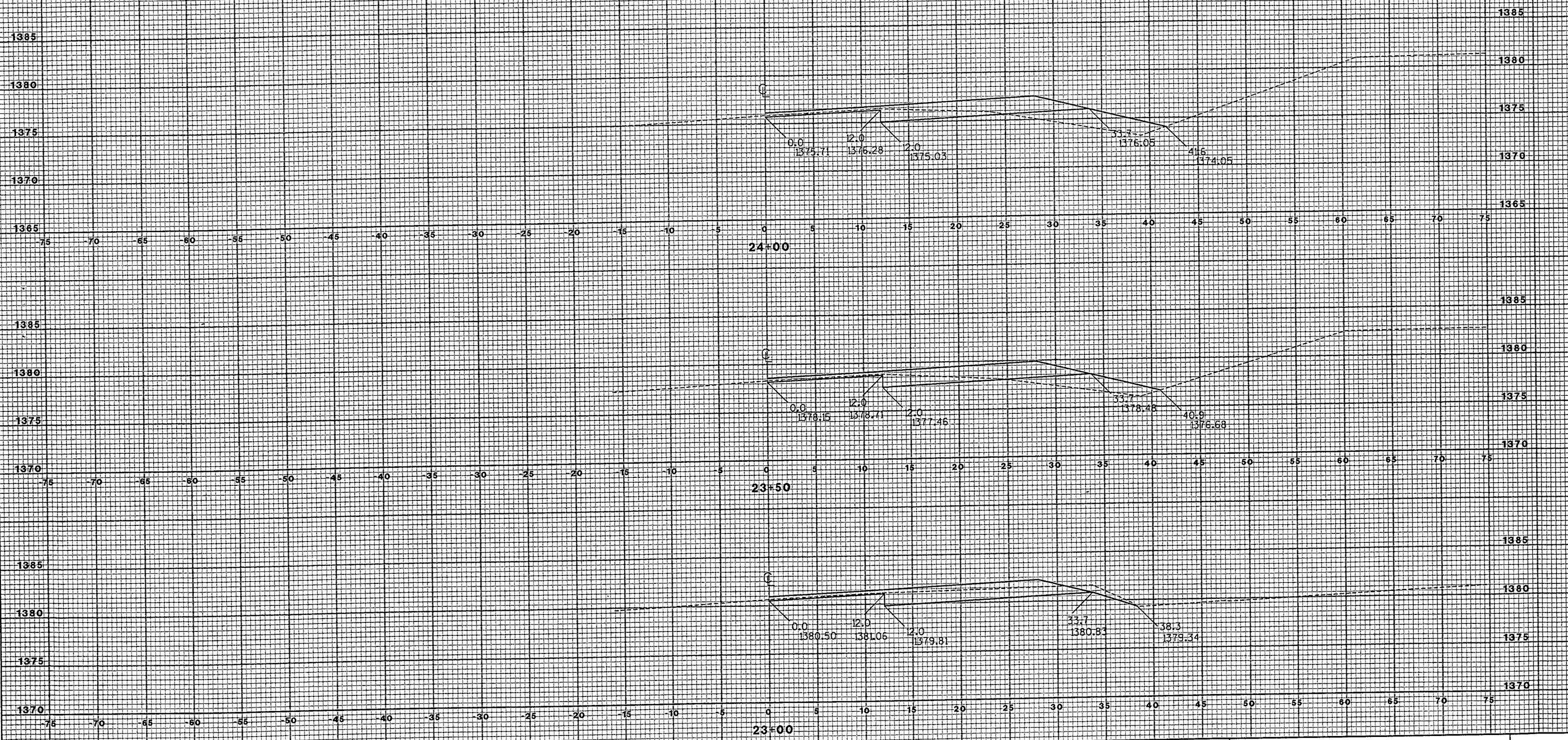
\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)

FUTURE 25TH AVENUE



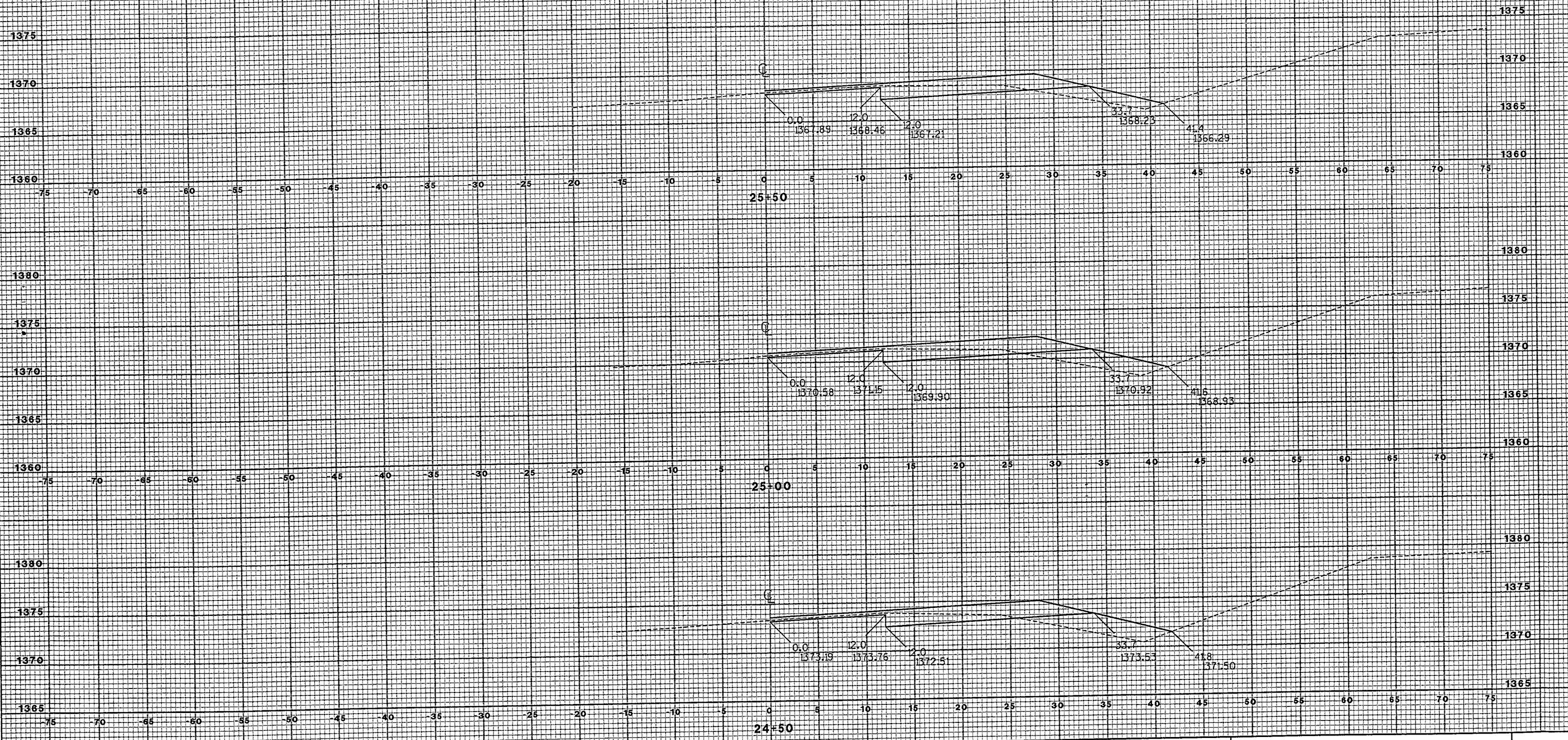
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	NO.	DESCRIPTION	DATE	BY						SURVEYED BY
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	△									EPR
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\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)

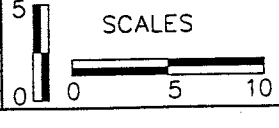


RECORD DRAWINGS OF COMPLETED CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
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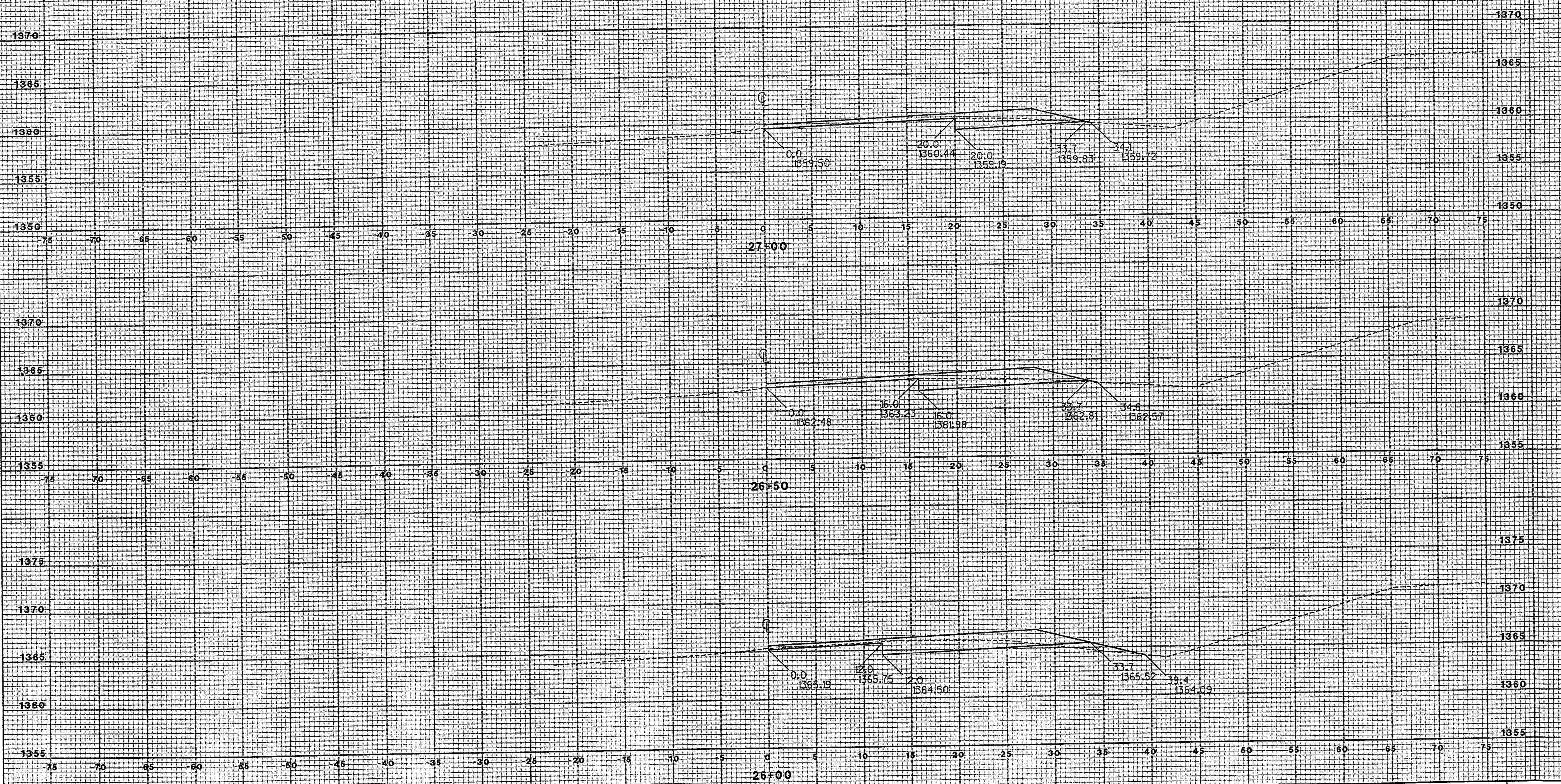


VILLAGE OF BROKAW  
 C.T.H. "WW" RIGHT TURN LANE

C.T.H. "WW"  
 CROSS SECTIONS

DRAWING NO.  
**13**  
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\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)

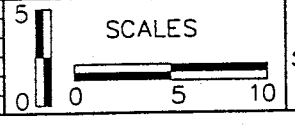


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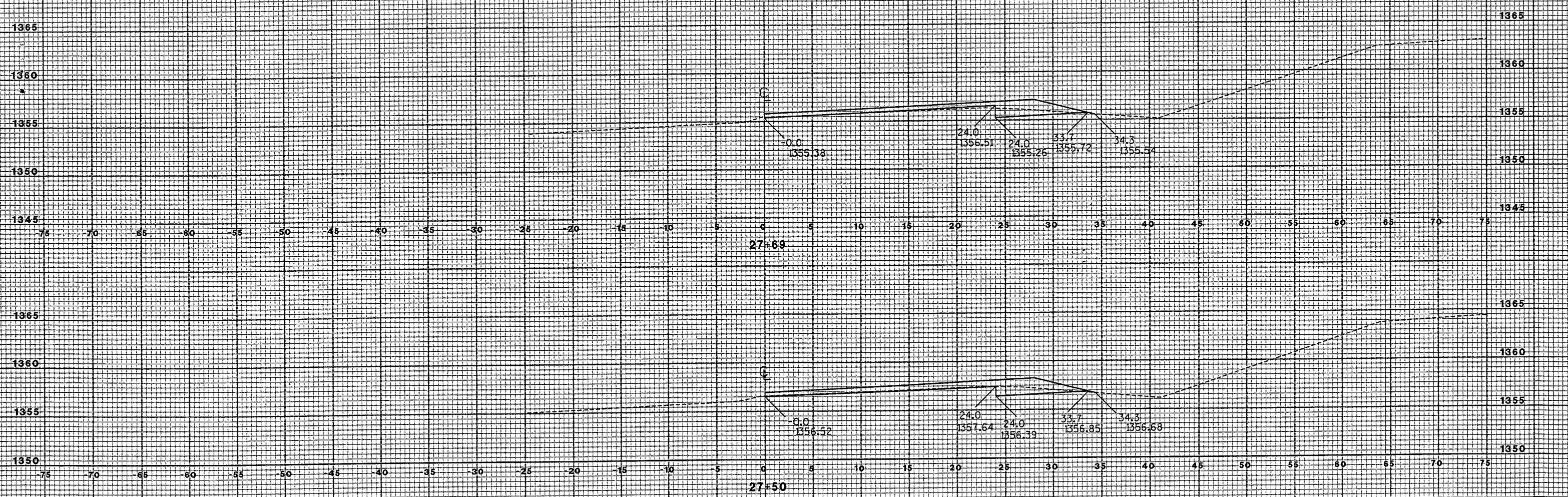


VILLAGE OF BROKAW  
C.T.H. "WW" RIGHT TURN LANE

C.T.H. "WW"  
CROSS SECTIONS

DRAWING NO. 14

\* RIGHT OF WAY IS 80' FROM CENTERLINE (TYP.)



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EARTHWORK

STATION	CUT AREA (SF)	FILL AREA (SF)	CUT VOLUME (CY)	FILL VOLUME (CY)	CUMULATIVE CUT (CY)	CUMULATIVE ADJUSTED FILL (CY)	MASS ORDINATE (CY)
13+00	15.02	18.15					
13+50	11.02	22.44	24	38	24	38	-14
14+00	11.31	12.24	21	32	45	70	-25
14+50	11.09	7.82	21	19	66	89	-23
15+00	12.16	5.96	22	13	88	102	-14
15+50	11.02	7.59	21	13	109	115	-6
16+00	10.76	7.97	20	14	129	129	0
16+50	10.27	8.52	19	15	148	144	4
17+00	12.23	6.69	21	14	169	158	11
17+50	12.30	6.06	23	12	192	170	22
18+00	13.60	4.36	24	10	216	180	36
18+50	12.49	5.77	24	9	240	189	51
19+00	13.85	5.41	24	10	264	199	65
19+50	13.52	5.03	25	10	289	209	80
20+00	14.75	3.38	26	8	315	217	98
20+50	13.51	17.86	26	20	341	237	104
21+00	14.24	39.76	26	53	367	290	77
21+50	14.08	32.63	26	67	393	357	36
22+00	14.74	18.17	27	47	420	404	16
22+50	20.83	0.00	32	17	452	421	31
23+00	24.55	0.00	42	0	494	421	73
23+50	10.87	15.78	32	15	526	436	90
24+00	11.89	19.68	21	33	547	469	78
24+50	13.53	20.10	24	37	571	506	65
25+00	14.79	17.54	26	35	597	541	56
25+50	16.85	12.42	29	28	626	569	57
26+00	17.17	3.90	32	15	658	584	74
			31	4	689	588	101

STATION	CUT AREA (SF)	FILL AREA (SF)	CUT VOLUME (CY)	FILL VOLUME (CY)	CUMULATIVE CUT (CY)	CUMULATIVE ADJUSTED FILL (CY)	MASS ORDINATE (CY)
26+50	16.79	0.23					
27+00	18.70	0.07	33	0	722	588	134
27+50	18.57	0.25	35	0	757	588	169
27+69	18.05	0.29	33	0	790	588	202
			13	0	803	588	215

QUANTITIES - RIGHT LANE

ASPHALTIC CONCRETE PAVEMENT TYPE E3 SUMMARY

STATION	STATION	TOTAL
13+00	27+69	765 TONS

15" CRUSHED AGGREGATE BASE COURSE

STATION	STATION	TOTAL
13+00	27+69	2790 TONS

EROSION CONTROL REVELATIVE MAT (ECRM) CC I, TYPE B

STATION	STATION	TOTAL
16+00	22+00	800 SQ. YDS.

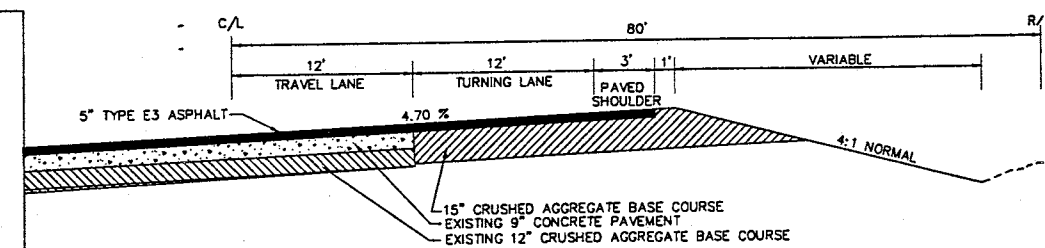
EROSION CONTROL REVELATIVE MAT (ECRM) CC II, TYPE B

STATION	STATION	TOTAL
23+25	27+69	595 SQ. YDS.

4" TOPSOIL, SEED, AND MULCH

STATION	STATION	TOTAL
13+00	22+00	1200 SQ. YDS.
23+25	27+69	592 SQ. YDS.
		1792 SQ. YDS. TOTAL

SEE WISDOT TYPICAL SECTIONS



EXISTING / PROPOSED SUPERELEVATED SECTION WITH TURNING LANE  
STATION 13+00 - 29+65

RECORD DRAWINGS OF COMPLETED CONSTRUCTION BY	REUSE OF DOCUMENTS	REVISIONS / REMARKS	SURVEY DATA
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BY DATE			SRL / 3/04 EPR / t:\046008\quantities.dgn srl 03/11/2004



VILLAGE OF BROKAW  
C.T.H. "WW" RIGHT TURN LANE

C.T.H. "WW"  
TYPICAL SECTION & QUANTITIES

DRAWING NO.  
16