

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT WAUSAU - RINGLE (ROTHSCHILD INTERCHANGE TO EXISTING S.T.H. 29)

(SCHOFIELD AVENUE & CAMP PHILLIPS ROAD INTERSECTION)

EXISTING S.T.H. 29
MARATHON COUNTY

STATE PROJECT NUMBER
1056-06-73

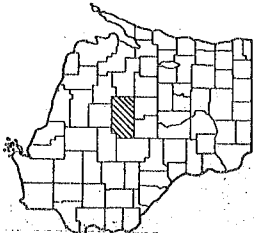
STATE PROJECT NUMBER
1054-07-77

STATE PROJECT	FEDERAL PROJECT
1054-07-77	PROJECT
1056-06-73	CONTRACT
	HES 9400(2)
REV 1/9-13-89	Std. Drawing Index Revision

S.T.H. 29
MARATHON COUNTY

TOTAL SHEETS = 308

- Index of Sheets
- Sheet No. 1 Title
 - Sheet No. 2-2.57 Typical Sections and Details
 - Sheet No. 3-3.6 Easements of Quantities
 - Sheet No. 3A-3B Miscellaneous Quantities
 - Sheet No. 4-4.23 Right of Way Plat
 - Sheet No. 5-5.50 Plan and Profile
 - Sheet No. 6-6.38 Standard Detail Drawings
 - Sheet No. 7-7.38 Standard Sign Plans
 - Sheet No. 8-8.38 Structure Plans
 - Sheet No. 9-9.106 Cross Sections



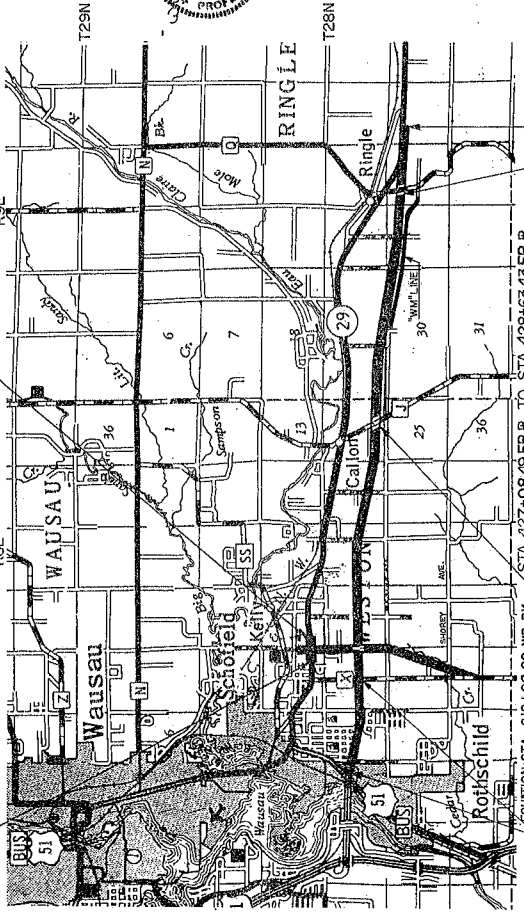
BEGIN PROJECT 1056-06-73
STA. 122+69 (SCHOFIELD AVE.)
Y 390927.944
X 2110334.002

END PROJECT 1056-06-73
STA. 129+41 (SCHOFIELD AVE.)
Y 390976.469
X 2111006.926

WITHIN LIMITS OF THE PROJECT, CONTROL OF ACCESS
LINE IS AS SHOWN ON RIGHT OF WAY PLAT AND NO
ACCESS IS PERMITTED TO THE HIGHWAY TRAFFIC
LANES EXCEPT BY RAMPS AT INTERCHANGES.

Designation	1054-07-77	1056-06-73
A.D.T. 1988	8600	11,200 (1990)
A.D.T. 2010	11800	14,400 (2010)
D.H.V. 2010	1180	1428 (2010)
Q	60% - 40%	60% - 40%
T	21.1%	6%
V	65 MPH	35 MPH

- Conventional Signs**
- County Line
 - Township or Range Line
 - Section Line
 - Corporate or City Limits
 - Property Line
 - Lot Line
 - Existing Right of Way Line
 - New Right of Way Line
 - Base of Survey Line
 - Slope Intercept
 - Proposed Sewer Lateral
 - Manholes - Sewer Proposed
 - Catch Basin or Inlet Proposed
 - Gas or Water Valve
- Caution Symbol** (Combustible fluids under pressure)
- Railroads
 - Fences
 - Culverts in Place
 - Culverts Required
 - Power Pole
 - Telephone or Telegraph Poles
 - Light Pole
 - Marsh
 - Wooded Area
 - Trees - Existing
 - Bunch Mark
 - Guard Rail: Exist. / Proposed



END PROJECT 1054-07-77
STA. 686+00.00 EB R

BEGIN PROJECT 1054-07-77
STA. 131+88.60 WB R
Y 387552.833
X 2100334.311

REGULATION STA. 210+00.00 WB BK
STA. 209+85.32 EB AH
Y 391179.937
X 2100334.311

REGULATION STA. 427+08.49 EB R
STA. 428+63.43 EB R
Y 391179.937
X 2100334.311



THIS PLAN INCLUDES SHEETS
AND REVISIONS BY
AND BY BESCHER-SABUTCH
AND BY BESCHER-SABUTCH

PLANS PREPARED BY *
HOWARD, NEEDLES, TAMMEN & BERGENCOFF
Date: 6-2-89

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
Project Manager: C. O. ...

DESIGNED BY: ...
CHECKED BY: ...
DATE: 6/2/89

APPROVED: ...
DATE: 7-19-89

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 5
WISCONSIN DIVISION

LIST OF STANDARD ABBREVIATIONS

BIT.	BITUMINOUS	TEL	TEMPORARY LIMITED EASEMENT
BWK	BREAK POINT	TFC	TOP OF CURB
BS	BENCH MARK	W	WATERMAIN
BS	CATCH BASIN	WV	WATER VALVE
CMCP	CORRUGATED METAL CULVERT PIPE	IEP	INSIDE EDGE OF PAVEMENT
CONC.	CONCRETE	AC	ASBESTOS CEMENT
CM	CONCRETE MALK	EX	EXISTING
C & G	CURB AND GUTTER	DI	DUCTILE IRON
CL	CENTER LINE	DIP	DUCTILE IRON PIPE
CR	CURB	LF	LINEAR FOOT
EL	ELEVATION	MJ	MECHANICAL JOINT
ELEV	ELEVATION	PROP	PROPOSED
EXP	EDGE OF PAVEMENT	PVC	POLYVINYL CHLORIDE
F/F	FACE TO FACE		
FL	FLOOR LINE		
G	GAS MAIN		
GR	GRAVEL		
HSS	HOUSE		
HVD	HYDRANT		
INLET	INLET		
IP	IRON PIPE		
LC	LENGTH OF CURVE		
LT	LEFT		
MH	MANHOLE		
PAV'T	PAVEMENT		
PS	PULL BOX		
P.C.	POINT OF CURVE		
P.I.	POINT OF INTERSECTION		
P.L.	PERMANENT LIMITED EASEMENT		
PVC	POINT OF REVERSE VERTICAL CURVE		
P.T.	POINT OF TANGENCY		
PVC	POINT OF VERTICAL CURVE		
PVI	POINT OF VERTICAL INTERSECTION		
PVT	POINT OF VERTICAL TANGENCY		
R.	RADIUS		
RCP	REINFORCED CONCRETE PIPE		
RY	RIGHT		
R/W	RIGHT-OF-WAY		
RSW	SANITARY SEWER		
SS	STORM SEWER		
STA	STATION		
SS	SIDEWALK		
TEL	BURIED TELEPHONE CABLE		
T	TANGENT		

PAVEMENT JOINT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD.

EXCEPT AT PRIVATE AND COMMERCIAL ENTRANCE LOCATIONS, EXISTING SURFACING (INCLUDING CRUSHED AGGREGATE) BETWEEN THE SLOPE INTERCEPT AND THE R/W SHALL BE REMOVED AND REPLACED WITH 4" OF TOPSOIL AND WHATEVER QUANTITY OF BACKFILL MATERIAL THAT MAY BE REQUIRED. IMPERVIOUS MATERIAL SHALL BE REMOVED FOR ITS ENTIRE DEPTH.

A VERTICAL SAW CUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS, SIDEWALKS, AND PAVEMENTS AT THE REMOVAL LIMITS.

ALL REFERENCES TO "BITUMINOUS PAVEMENT" REFERS TO SINGLE AGGREGATE BITUMINOUS PAVEMENT.

THE TOP OPENING ON THE TYPES 1 AND 3 MANHOLES SHALL CONFORM TO THE OPENING OF THE CASTING.

TOPSOIL, FERTILIZER, SEED, AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS, EXCLUSIVE OF THE AREA OCCUPIED BY THE NEW PAVEMENTS, SIDEWALKS, AND RELATED STRUCTURES.

LONGITUDINAL JOINTS IN THE CONCRETE PAVEMENT SHALL BE 20-MIL POLYETHYLENE PLASTIC PARTING STRIP.

USE 1" EXPANSION JOINT FILLER WHERE NEW CONCRETE WILL ABUT EXISTING.

ALL RADII SHOWN ON THE PLAN ARE TO THE FACE OF CURBS.

UTILITIES

WISCONSIN PUBLIC SERVICE (TRANSMISSION LINE)
 400 SCOTT STREET
 WAUSAU, WI 54401
 ATTN: MR. BRUCE MASLESKE
 TEL: 715-848-4222

GREEN BAY, BOX 59070-0021
 ATTN: MR. C.K. WEIDMANN
 TEL: 414-435-1377

WISCONSIN PUBLIC SERVICE (DISTRIBUTION & SERVICE LINES)
 P.O. BOX 1185
 WAUSAU, WI 54401
 ATTN: MR. LARRY SANDERS
 TEL: 715-848-2141

TOWN OF WESTON, PUBLIC WORKS
 5500 SCHOFIELD AVENUE
 SCHOFIELD, WI 54476
 ATTN: MR. DAVE GRUTZIK
 TEL: 715-359-8116

AND PIPELINE
 2375 NORTH 2ND DRIVE
 STEVENS POINT, WI 54481
 ATTN: MR. J.L. WHITE
 TEL: 715-344-2772

DIGGERS HOTLINE
 TEL: 1-800-242-8511

GENERAL TELEPHONE
 521 4TH STREET
 WAUSAU, WI 54401
 ATTN: MR. RON KOLTON
 TEL: 715-842-0771

CURVE DATA IS BASED ON THE ARC BEARINGS TO THE NEAREST SECOND.

BEARINGS SHOWN ON THE PLAN ARE GRID BEARINGS TO THE NEAREST SECOND.

GRID DISTANCE = 0.99982589 X GROUND DISTANCE FOR AREAS NORTH OF 19° 43' 9" CTH "X".

GRID DISTANCE = 0.99986001 X GROUND DISTANCE FOR ALL OTHER AREAS.

THE CONTROL SURVEY FOR IMPROVEMENT PROJECT 1054-07-77 WAS CONDUCTED UNDER AND MET SPECIFICATIONS FOR THIRD ORDER CONTROL SURVEYS. ERROR OF CLOSURE FOR THIS PROJECT = 1.43242.

THE CONTROL SURVEY FOR PROJECT 1059-06-73 WAS CONDUCTED UNDER AND MET SPECIFICATIONS FOR SECOND ORDER CLASS II HORIZONTAL CONTROL. ERROR OF CLOSURE OF THE MAIN TRAVERSE WAS 1/200,000.

ALL COORDINATES ARE GRID COORDINATES, WISCONSIN STATE PLANE COORDINATE SYSTEM

ALL ELEVATIONS REFERENCED TO 1928 MEAN SEA LEVEL DATUM.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

EXCAVATION BELOW SUBGRADE (E.S.) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE LOCATION FOR E.S.'S. WILL BE DETERMINED BY THE ENGINEER.

SECTIONS AS SHOWN ON THE CROSS SECTION SHEETS INCLUDE THE THICKNESS OF TOPSOIL OR SALVAGED TOPSOIL, WHERE REQUESTED.

STORAGE OF EARTHWORK IS VARIABLE AND IS SHOWN IN THE YARDAGE SUMMARY.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

MULCH ALL SEEDED AREAS.

NO TREES (AND/OR SHRUBS) TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ALL R.C.C.P. JOINTS SHALL BE WRAPPED.

JARVIS SCOURING IN THE LAST 20' OF R.C.C.P. SHALL BE TIED. TIES ARE SPHERICAL TO THE PIPE COST.

CLEARING AND GRASSING SHALL EXTEND TO THE CLEAR ZONE OR TO EXISTING R/W, WHICHEVER IS LESS.

ALL AREAS WITHIN THE RIGHT OF WAY, NOT COVERED BY SUITABLE GRASS, (EXCLUDING THE ROADBED, BOOMS, ETC.) SHALL BE FERTILIZED, SEEDED AND MULCHED, OR SOODED AND FERTILIZED AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEM OF BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSES SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

EXISTING CURBENTS TO BE REMOVED ARE INCLUDED UNDER UNCLASSIFIED EXCAVATION.

THE CURVE AT THE CURB PT'S OF THE TURNING LANES AND TAPERS SHALL HAVE A 5' TANGENT, A 9.15' EXTERNAL DISTANCE, AND A NOMINAL 100' RADIUS.

INLET GRATE ELEVATIONS REFERRED TO IN DRAINAGE NOTES ARE GRATE FLOW LINE ELEVATIONS.

PLACE TOP OF TOPSOIL OR SALVAGED TOPSOIL 1" BELOW THE TOP OF ADJACENT CURBS AT LOCATIONS THAT WILL BE SOODED.

Revision

STATE PROJECT NUMBER
1054-07-77

REVISIONS
1 9/13/82

DATE
9/13/82

REVISIONS
1 9/13/82

REVISIONS
1 9/13/82

STANDARD DETAIL DRAWINGS
LEGEND, TIES

REVISIONS
1 9/13/82

DATE
9/13/82

REVISIONS
1 9/13/82

REVISIONS
1 9/13/82

845-5a, b & c Inlet and Manhole Covers
886-3 Manholes, Type 1
887-3 Manholes, Types 2 and 3
8C1-4 Inlets, Types 1, 2, and 3
8C5-1 Inlets, Types 8, 9, and 11
8D1-11 Concrete Curb, Concrete Curb and Gutter and Pavement Ties
8D4-2 Concrete Surface Drain and Bituminous Flume
8D5-8 Curb Ramps
8E6-4 Concrete Masonry Endwalls (Circular Pipe and Pipe Arches)
8E7-1 Erosion Mat
8E9-3 Silt Fence
8F1-10a Apron Endwalls for Culvert Pipe
8F4-3 Joint Ties for Concrete Pipe
8F5-1 Class "B" Bedding for Culvert Pipe and Storm Sewer
8F6-1 Reinforced Concrete Apron Endwall for Pipe Underdrain
8F7-1 Sloped End Section for Culvert Pipe and Pipe Arches
9A1-7a At-Grade Side Road Intersections, Types "B" and "C"
9B2-4 Conduit
9B3-5 Concrete Bases
9B9-2 Concrete Control Cabinet Bases
9B10-2 Pull Box

Maintenance Crossover for Freeways
Concrete Pavement Approach Slab
Concrete Pavement Longitudinal Joints and Pavement Tiles
Transverse Joints in Non - Reinforced Concrete Pavement (20' Skewed Transverse Joints)
Transverse Joints in Non - Reinforced Concrete Pavement (Random Spaced & Skewed Transverse Joints)

Class "A" Steel Plate Beam Guard (two sheets)
Class "B" Steel Plate Beam Guard
Woven Wire Fence
Construction Barricades and Standard Signs
Traffic Control to Close Highway Under Construction
Traffic Control for Temporary Road Closures in Rural Areas (Highway Under Construction Closed to Traffic)
Pavement Marking
Raised Pavement Markers

* CAMP PHILLIPS & SCHOFIELD AVENUE
** FOR CTH "X"

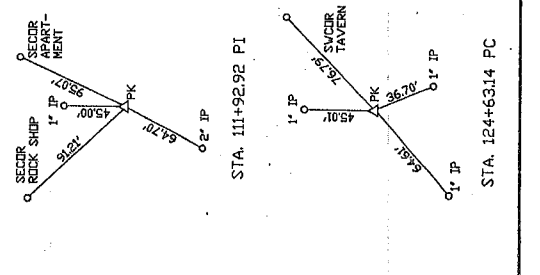
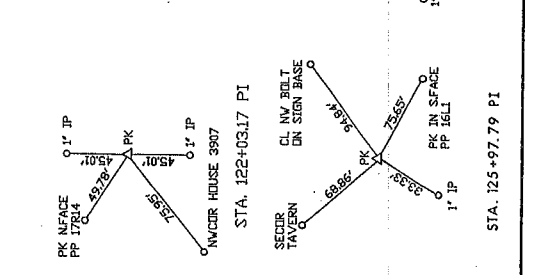
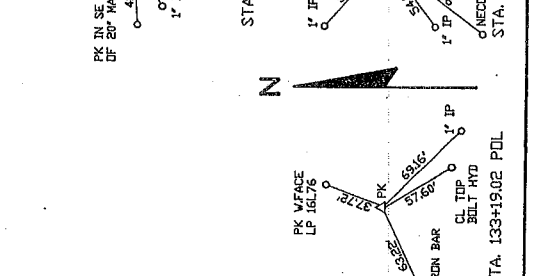
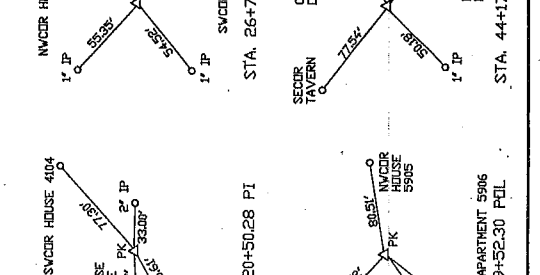
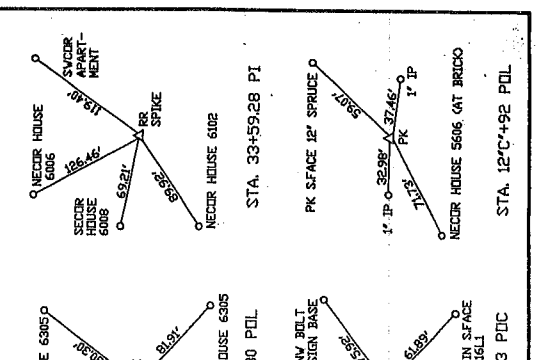
11A1-2
13B2-3
13C1-7
13C3-7 *
13C5-6 **
14B2-8a & b
14B3-2
15B1-7a & 7b
15C1-7
15C2-1
15C3-1
15C8-3
15C10-1b

LEGEND

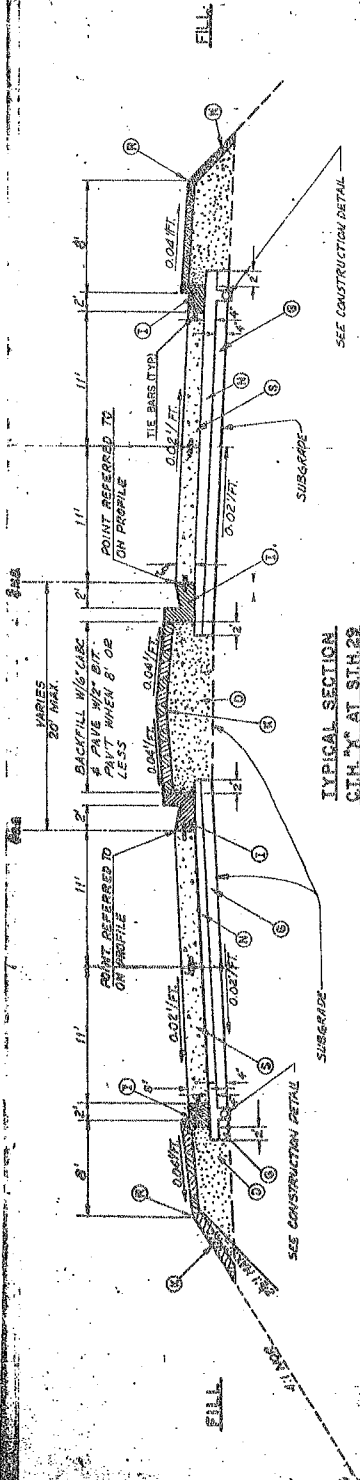
—W— WATER MAIN
—C— BURIED GAS MAIN
—E— BURIED ELECTRICAL CABLE
—T— BURIED TELEPHONE CABLE
—TV— BURIED TV CABLE
—SAN— SANITARY SEWER
—SS— STORM SEWER

○ EXISTING MANHOLE
⊞ EXISTING CATCH BASIN
○ EXISTING VALVE
⊙ EXISTING HYDRANT
⊗ EXISTING PULL BOX
□ POWER POLE
□ TELEPHONE POLE
□ UTILITY PEDESTAL
△ TRAVERSE STATION
● BENCH MARK
● PROPOSED MANHOLE
■ PROPOSED INLET

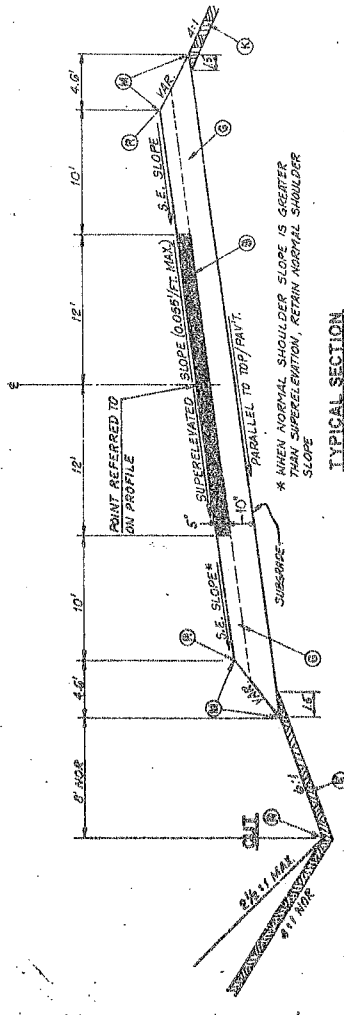
STANDARD DETAIL DRAWINGS
LEGEND, TIES



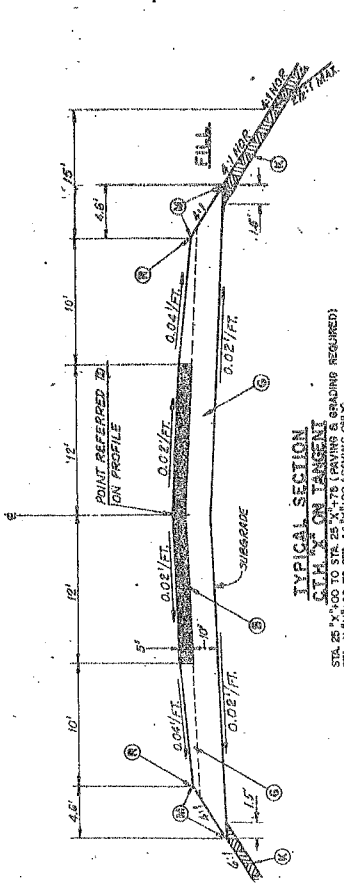
- LEGEND**
- (B) SINGLE AGG. BITUMINOUS PAVEMENT (2" BINDER, 2" SURFACE)
 - (D) UNCLASSIFIED EXCAVATION (FILL)
 - (C) CRUSHED AGGREGATE BASE COURSE
 - (I) CONCRETE CURB AND BUTTER AT 30" TYPE A
 - (K) 4" TOPSOIL, FERTILIZE AND SEED (MULCH ALL SEEDED AREAS)
 - (M) SEED, FERTILIZE AND MULCH
 - (R) OPEN GRADED BASE COURSE
 - (S) PROVIDE ROUNDING
 - (T) 8" NON-REINFORCED CONCRETE PAVEMENT (SINGLE AGG. BITUMINOUS PAVEMENT (1-1/2" BINDER, 1-1/2" SURFACE))



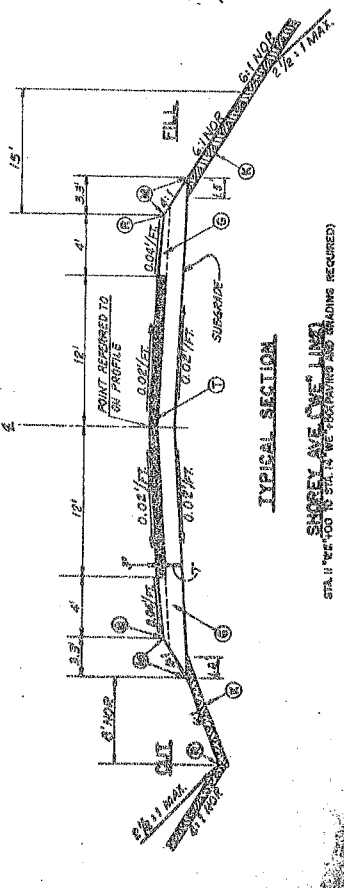
TYPICAL SECTION
 CTR 'N' AT STA. 29
 STA. 123 'X' 30 TO STA. 140 'X' 51.87



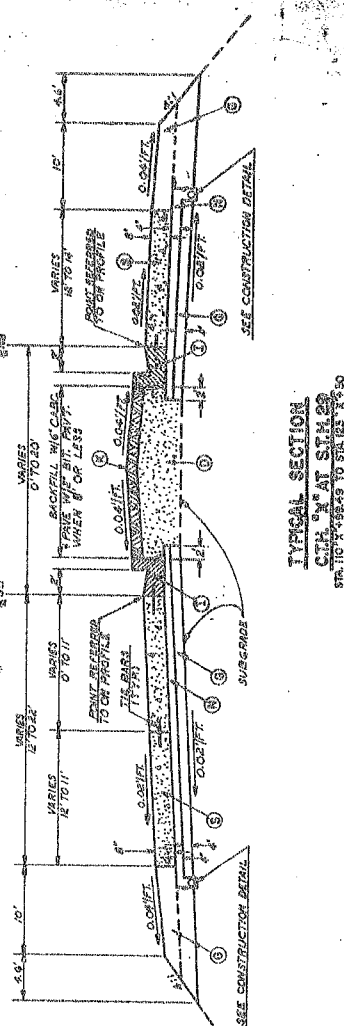
TYPICAL SECTION
 CTR 'N' ON CURVE
 STA. 45 'X' 75 TO STA. 30 'X' 100 (PAVING & GRADING REQUIRED) (LEFT HIGH SIDE)
 STA. 35 'X' 150 TO STA. 65 'X' 100 (PAVING ONLY) (RIGHT HIGH SIDE)
 STA. 87 'X' 425 TO STA. 110 'X' 59.48 (PAVING ONLY) (RIGHT HIGH SIDE)



TYPICAL SECTION
 CTR 'N' ON TANGENT
 STA. 21 'X' 25 TO STA. 25 'X' 100 (PAVING & GRADING REQUIRED)
 STA. 41 'X' 100 TO STA. 44 'X' 100 (PAVING ONLY)
 STA. 45 'X' 45 TO STA. 55 'X' 35 (PAVING ONLY)
 STA. 65 'X' 100 TO STA. 87 'X' 425 (PAVING ONLY)



TYPICAL SECTION
 SHARPEY AVE. (SEE LIST)
 STA. 11 'X' 100 TO STA. 14 'X' 100 (PAVING & GRADING REQUIRED)



TYPICAL SECTION
 CTR 'N' AT STA. 29
 STA. 110 'X' 55.43 TO STA. 123 'X' 50

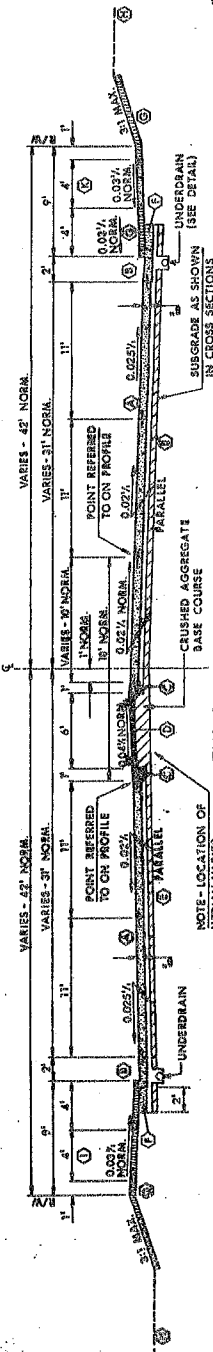
STATE PROJECT NUMBER
1053-07-77

SHEET NO.
25

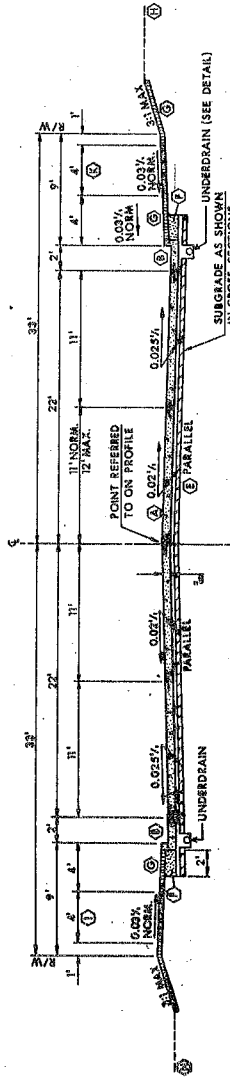
TYPICAL SECTIONS

LEGEND

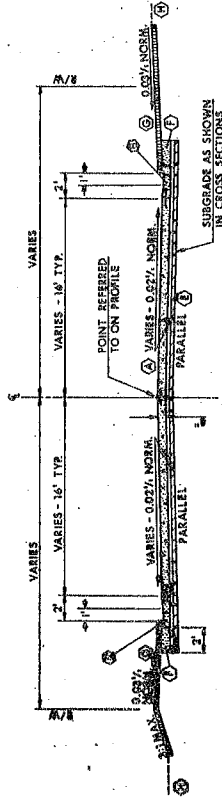
- (A) CONCRETE PAVEMENT, 5", NON-REINFORCED
- (B) CONCRETE CURB & GUTTER, 30" TYPE A
- (C) CONCRETE CURB, 12", TYPE B
- (D) SINGLE AGGREGATE BITUMINOUS PAVEMENT, 3"
- (E) BASE COURSE, 1" OPEN GRADDED AGGREGATE, LOWER LIFT 2" CRUSHED AGGREGATE
- (F) COMPACTED EARTH BACKFILL
- (G) TOPSOIL, FERTILIZE AND SOD.
- (H) EXISTING GROUND
- (I) LOCATION OF FUTURE SIDEWALK, BY OTHERS
- (J) CONCRETE SIDEWALK, 4"



TYPICAL SECTION
CAMP PHILLIPS ROAD
STA. 40+38 TO STA. 43+00

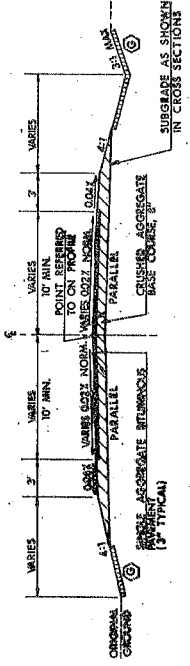


TYPICAL SECTION
CAMP PHILLIPS ROAD
STA. 19+43.90 TO STA. 40+38

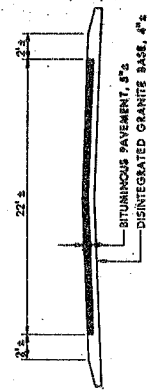


TYPICAL SECTION
SIDE STREETS
CAMP PHILLIPS ROAD

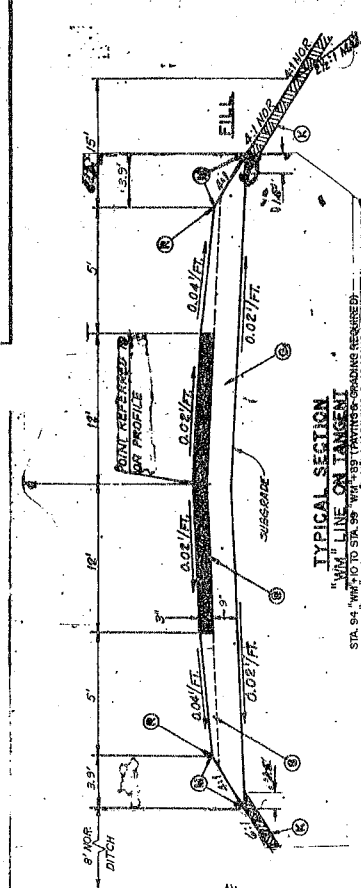
(E. EVEREST AV., DOUGLAS LANE, MONTEREY AVE., JELINEK AVE., APACHE COURT, MOHAWK AVE.)



TYPICAL SECTION
BITUMINOUS APPROACH
SIDE STREETS



TYPICAL EXISTING SECTION
CAMP PHILLIPS ROAD



TYPICAL SECTION ON TANGENT

W.M. LINE ON TANGENT
 TO ST. 54 TO ST. 64 (PAVING & GRADING REQUIRED)
 STA. 54 TO STA. 55 (PAVING & GRADING REQUIRED)
 STA. 55 TO STA. 56 (PAVING & GRADING REQUIRED)
 STA. 56 TO STA. 57 (PAVING & GRADING REQUIRED)
 STA. 57 TO STA. 58 (PAVING & GRADING REQUIRED)
 STA. 58 TO STA. 59 (PAVING & GRADING REQUIRED)
 STA. 59 TO STA. 60 (PAVING & GRADING REQUIRED)
 STA. 60 TO STA. 61 (PAVING & GRADING REQUIRED)
 STA. 61 TO STA. 62 (PAVING & GRADING REQUIRED)
 STA. 62 TO STA. 63 (PAVING & GRADING REQUIRED)
 STA. 63 TO STA. 64 (PAVING & GRADING REQUIRED)

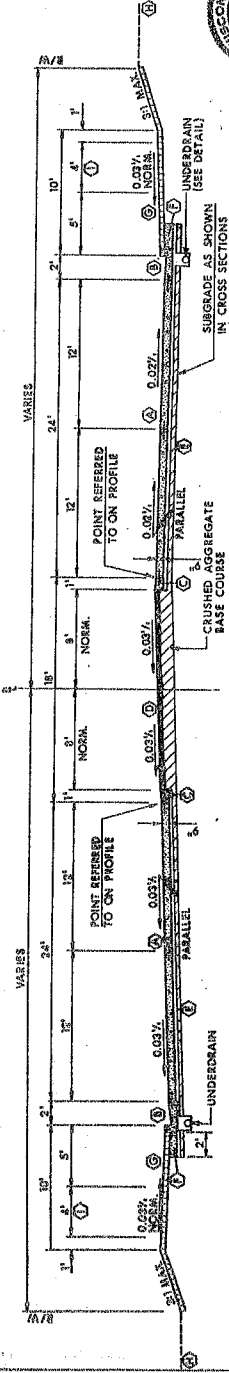
TYPICAL SECTION

W.M. LINE ON CURVE
 STA. 54 TO STA. 59 (RIGHT HIGH SIDE) (PAVING & GRADING REQUIRED)
 STA. 59 TO STA. 60 (LEFT HIGH SIDE) (PAVING & GRADING REQUIRED)
 STA. 60 TO STA. 61 (RIGHT HIGH SIDE) (PAVING & GRADING REQUIRED)
 STA. 61 TO STA. 62 (LEFT HIGH SIDE) (PAVING & GRADING REQUIRED)
 STA. 62 TO STA. 63 (RIGHT HIGH SIDE) (PAVING & GRADING REQUIRED)
 STA. 63 TO STA. 64 (LEFT HIGH SIDE) (PAVING & GRADING REQUIRED)

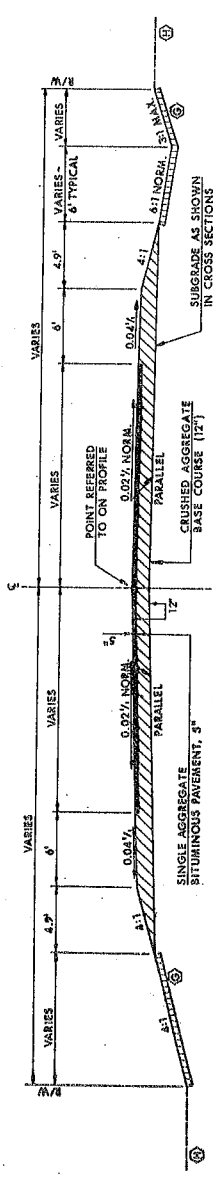
- LEGEND**
- (A) SINGLE AGGREGATE BITUMINOUS PAVEMENT (1-1/2" SURFACE)
 - (B) CRUSHED AGGREGATE BASE COURSE
 - (C) SALVAGED TOPSOIL, FERTILIZE AND SEED (MULCH ALL SEEDED AREAS), REQUIRED ONLY AT LOCATIONS WHERE GRADES ARE TO BE RAISED
 - (D) SEED, FERTILIZE AND MULCH
 - (E) PLYWOOD FORMWORK

TYPICAL SECTIONS

- LEGEND**
- ① 1/2" CONC. PAVEMENT, NON-REINFORCED, 9" ON SCHOFIELD AVE.
 - ② 1/2" CONC. PAVEMENT, NON-REINFORCED, 9" ON CAMP PHILLIPS ROAD
 - ③ CONCRETE CURB & GUTTER, 30" TYPE A
 - ④ CONCRETE CURB, 12", TYPE N
 - ⑤ SINGLE AGGREGATE BITUMINOUS PAVEMENT, 3"
 - ⑥ BASE COURSE, 3", UPPER LIFT 1/2" OPEN GRADED AGGREGATE, LOWER LIFT 1/2" CRUSHED AGGREGATE
 - ⑦ COMPACTED EARTH BACKFILL
 - ⑧ SALVAGED TOPSOIL & SODDINGS
 - ⑨ EXISTING GROUND
 - ⑩ LOCATION OF FUTURE SIDEWALK, BY OTHERS
 - ⑪ CONCRETE SIDEWALK, 4"

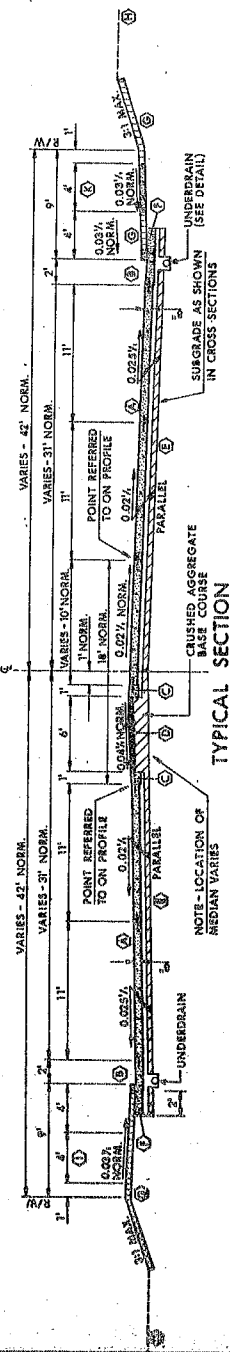


TYPICAL SECTION (WARPED CROWN)
SCHOFIELD AVENUE
STA. 122+69 TO STA. 129+41



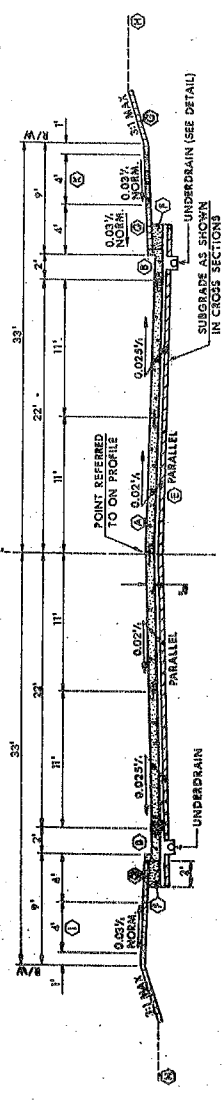
TYPICAL SECTION
SCHOFIELD AVENUE
STA. 119+50 TO STA. 124+69

* NOTE: PAVEMENT STRUCTURE IS THE SAME AS SHOWN IN THIS TYPICAL SECTION FOR TAPER FROM STA. 113+39 TO STA. 119+50, LT.

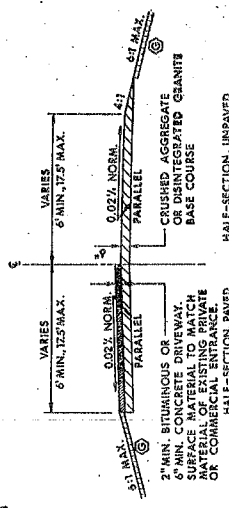


TYPICAL SECTION
CAMP PHILLIPS ROAD
STA. 43+00 TO STA. 43+93

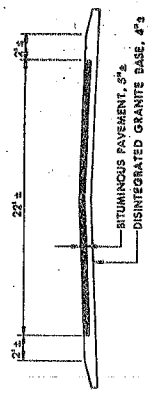
* NOTE: ROTATE 180° ABOUT (C)



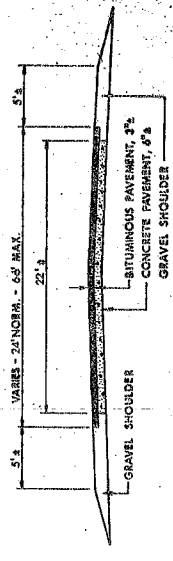
TYPICAL SECTION
CAMP PHILLIPS ROAD
STA. 122+45 TO STA. 125+93



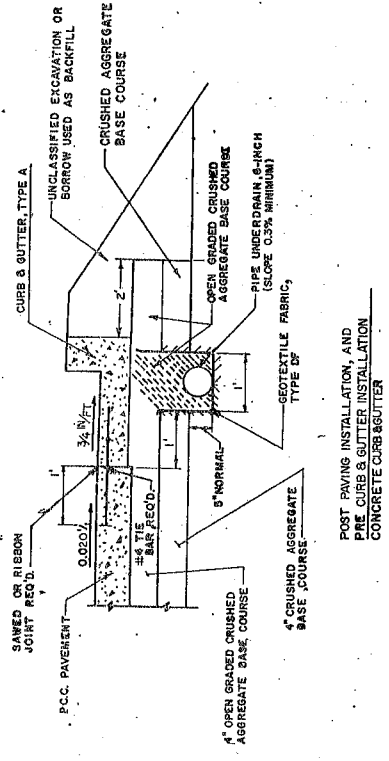
TYPICAL SECTION
PRIVATE ENTRANCE
OR COMMERCIAL ENTRANCE



TYPICAL EXISTING SECTION
CAMP PHILLIPS ROAD



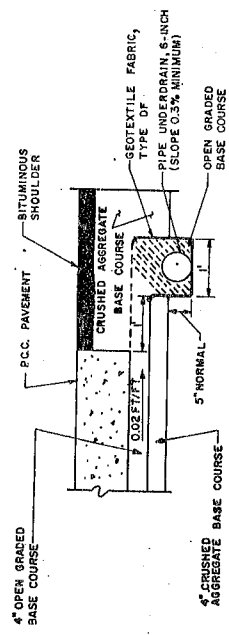
TYPICAL EXISTING SECTION
SCHOFIELD AVENUE



POST PAVING INSTALLATION, AND
 PRE CURB & GUTTER INSTALLATION
 CONCRETE CURB & GUTTER

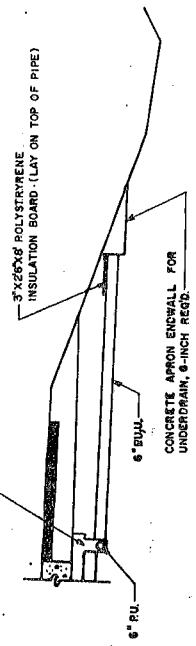
NOTE: ALL UNSUITABLE MATERIAL REMOVED FROM THE TRENCHING OPERATION SHALL BE DISPOSED OUTSIDE THE R/W OR AS DIRECTED BY THE ENGINEER.

PLACEMENT OF PIPE UNDERDRAIN AND TRENCH FOR POST PAVING INSTALLATION WITH CRUSHED AGGREGATE SHOULDERS SHALL BE THE SAME AS POST PAVING INSTALLATION-BITUMINOUS SHOULDER ALTERNATIVE.

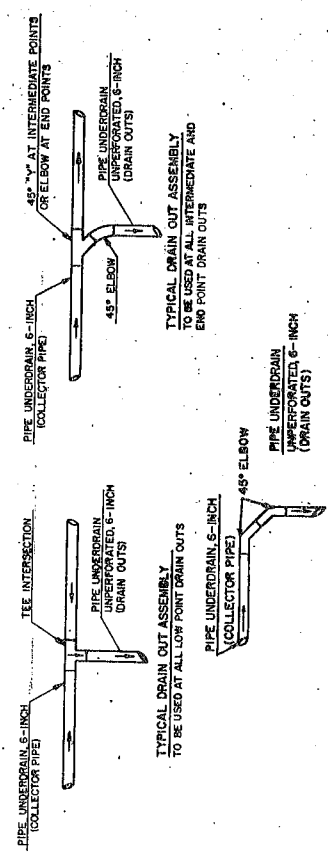


POST PAVING INSTALLATION
 BITUMINOUS SHOULDER

LOCATION FOR BITUMINOUS
 SHOULDER ALTERNATIVE



LATERAL DRAINAGE SYSTEM DISCHARGE DETAIL



PIPE UNDERDRAIN INSTALLATION DETAILS

DRAIN OUT ASSEMBLY DETAILS



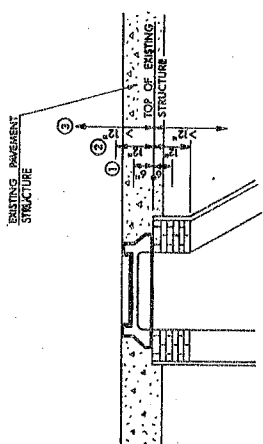
ADJUSTING AND RECONSTRUCTING MANHOLES

STATION	LOCATION	EXISTING ADJUSTMENT (A)	EXISTING DEPTH OF CONE (B)	APPROX. DEPTH COVER WILL BE LOWERED (C)	APPROX. DEPTH COVER WILL BE LOWERED (D)
123+40	32' LT	1.0'	2.6'	0.0'	2.6'
124+12	27' LT	?	?	?	?
126+20	31' RT	1.7'	2.6'	+0.2'*(RAISE)	2.6'
126+26	29' LT	0.8'	2.7'	1.2'	2.5'
129+80	33' RT	0.0'	2.6'	0.5'	2.6'
133+23	33' RT	1.1'	2.6'	0.9'	2.6'
134+07	3' RT	1.6'	2.6'	0.5'	2.6'
134+70	21' RT	?	0.7'*(FLAT)	0.2'	?
134+26	23.5' RT	?	?	?	?

* INDICATES ESTIMATED VALUE. ALL VALUES APPROXIMATE.

ADJUSTING AND RECONSTRUCTING MANHOLES

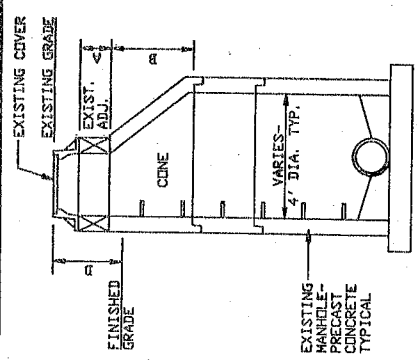
STATION	LOCATION	EXISTING ADJUSTMENT (A)	EXISTING DEPTH OF CONE (B)	APPROX. DEPTH COVER WILL BE LOWERED (C)	APPROX. DEPTH COVER WILL BE LOWERED (D)
19+90	27' LT	0.5'	2.8'	1.2'	1.2'
20+21	1' RT	0.2'	2.6'	0.4'	0.4'
21+07	0' RT	0.5'	2.7'	1.1'	1.1'
23+83	1' LT	0.1'	2.7'	0.2'	0.2'
26+75	0' RT	0.7'	2.6'	0.6'	0.6'
30+23	1' LT	1.4'	2.6'	0.6'	0.6'
33+90	1' LT	1.1'	2.6'	0.1'	0.1'
36+30	1' RT	1.0'	2.6'	0.4'	0.4'
38+86	2' RT	1.0'	2.6'	1.2'	1.2'
39+32	2' RT	3.0'	2.3'	1.0'	1.0'
41+44	3' LT	0.2'	2.6'	0.1'	0.1'
42EN+45	3' LT	1.1'	2.6'	1.1'	1.1'
42D+04	1' RT	?	?	?	?



WHEN NEW COVERS ARE PLACED:

- ① SIX INCH OF ADJUSTMENT IS INCLUDED IN PRICE OF NEW COVER.
- ② ADJUSTMENTS 4" TO 12" WILL BE PAID AS "ADJUSTING MANHOLE COVER", UNLESS OTHERWISE NOTED.
- ③ WHEN DEPTH OF WORK IS GREATER THAN 12", ALL WORK WILL BE PAID AS "RECONSTRUCTING MANHOLE", UNLESS OTHERWISE NOTED.

ADJUSTING MANHOLE COVER DETAIL



CORE LOG OF EXISTING BITUMINOUS PAVEMENT

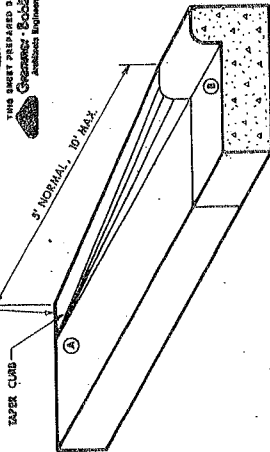
NO.	CORE MILE	OFFSET (BIT. PAV'T.)	THICK. (IN)	OBSERVED BASE	COMMENTS
SCHOFIELD AVENUE					
1	36.15		3 1/4	CONC. PAV'T.	INTER. SCHOFIELD/BIRCH
2	36.4	R	4	CONC. PAV'T.	
3	36.65	L	2 1/4	CONC. PAV'T.	INTER. SCHOFIELD/CAMP PHILLIPS
4	37.0	R	2 3/4	CONC. PAV'T.	6"
5	37.2	R	3	CONC. PAV'T.	HIGH SIDE OF SUPERELEVATION
6	37.4	L	6 1/2	CONC. PAV'T.	
7	37.6	R	2 3/4	CONC. PAV'T.	
8	37.8	L	2 1/4	CONC. PAV'T.	HIGH SIDE OF SUPERELEVATION
9	38.0	R	8	CONC. PAV'T.	
10	38.2	L	4 3/4	CONC. PAV'T.	LOW SIDE OF SUPERELEVATION
CAMP PHILLIPS ROAD					
22			5	10" DIS. GRANITE	500' ± SOUTH OF SCHOFIELD AVE.
23			5	4" DIS. GRANITE	200' ± SOUTH OF JELLINEK AVE.

NOTE: THIS INFORMATION PROVIDED FOR ESTIMATING PURPOSES ONLY AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS.

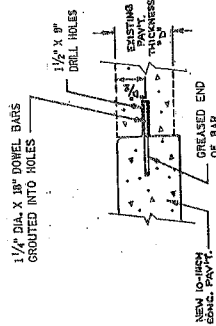
THE CURB HEIGHT HERE SHALL BE 6" ± THE WATER FLOWS FROM (A) TO (B); OR 1 1/2" IF THE WATER FLOWS FROM (B) TO (A).



THIS SHEET PREPARED BY:
Gregory Bobbitt
Professional Engineer



DETAIL OF CURB & GUTTER TERMINI



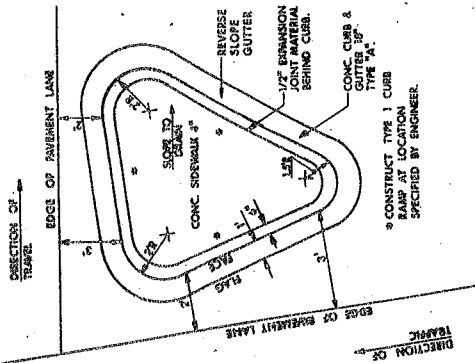
NOTES:

- DOWEL BARS SHALL BE INSTALLED PARALLEL TO THE PAVEMENT CENTERLINE AND PERPENDICULAR TO THE JOINT.
- A QUICK SETTING NON-SHRINKING HIGH STRENGTH MORTAR SHALL BE USED TO GROUT DOWEL BARS AND TO FILL THE DRILL HOLES. THE DRILL HOLES SHALL BE THOROUGHLY CLEANED OF DRILLING DUST, DEBRIS AND EXCESS MOISTURE PRIOR TO GROUTING.
- THE MORTAR SHALL BE PLACED IN THE BACK OF THE HOLE AND THE JOINT SHALL BE PROTECTED IN SUCH A MANNER THAT IT IS UNIFORMLY COATED WITH MORTAR AND ALL THE Voids WITHIN THE DRILL HOLE ARE COMPLETELY FILLED. THE MORTAR CONSISTENCY SHALL BE THICK ENOUGH TO PREVENT EXCESSIVE FLOW FROM THE INSTALLATION.
- THE FREE END OF DOWEL BARS SHALL RECEIVE A THIN UNIFORM COATING OF GREASE.

FOR DOWEL BAR SPACING, SEE S.D.S. FOR 'DOWELED NON-REINFORCED CONCRETE PAVEMENT'.

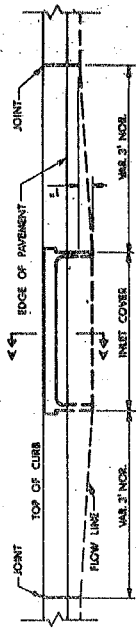
DETAIL FOR DOWEL BAR INSTALLATION
(STA. 131+86.60 EB & WB)

SECONDARY ROUTE

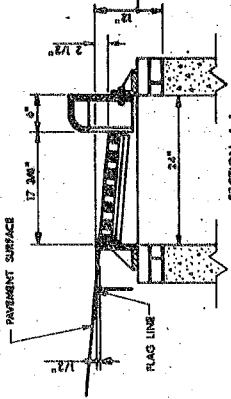


TYPICAL ISLAND DETAIL

AT SCHOFIELD AVE/CAMP PHILLIPS RD.



ELEVATION



SECTION A-A

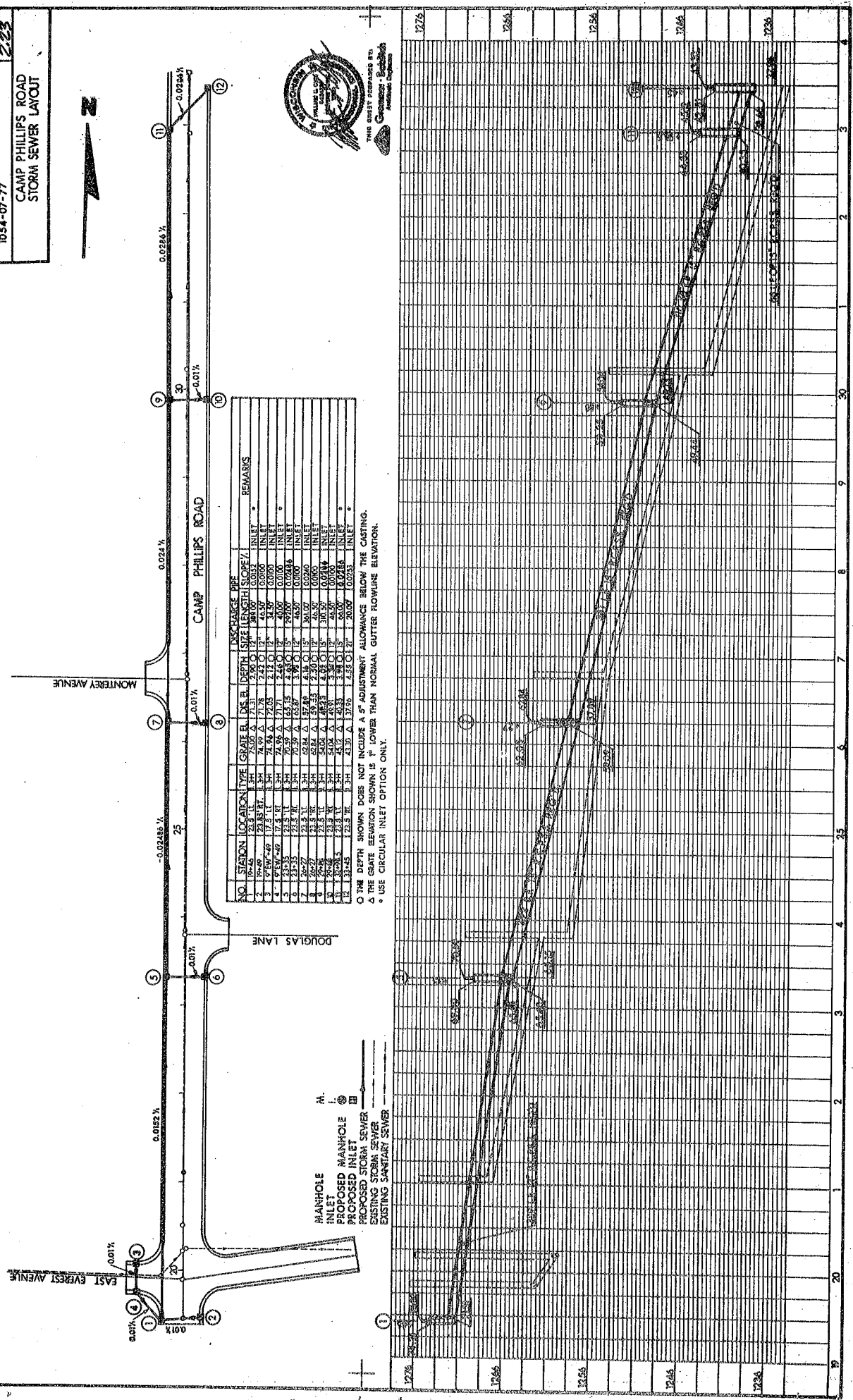
DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)

STATE PROJECT NUMBER
1054-07-77

SHEET NO.
223

CAMP PHILLIPS ROAD
STORM SEWER LAYOUT



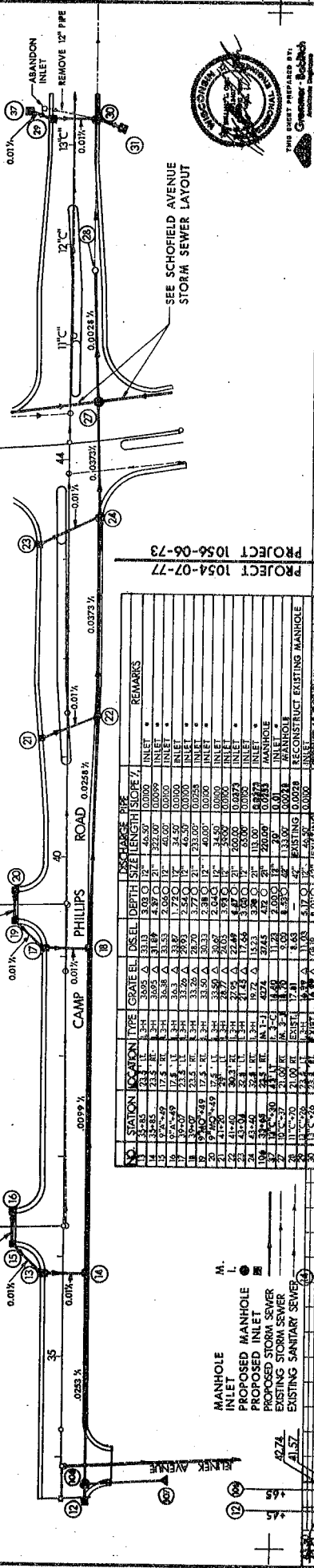
NO.	STATION	LOCATION	TYPE	D/S ELEV.	D/S B.	DEPTH	INVERTAGE PER		REMARKS
							LINE	VERT. CURVE	
1	10+00	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
2	10+25	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
3	10+50	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
4	10+75	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
5	11+00	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
6	11+25	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
7	11+50	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
8	11+75	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
9	12+00	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
10	12+25	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
11	12+50	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET
12	12+75	28.85 FT.	3.34	74.99	74.99	2.42	0.012%	0.012%	INLET



THIS SHEET PREPARED BY:
CAMPBELL ENGINEERS
SAN FRANCISCO, CALIF.

THE DEPTH SHOWN DOES NOT INCLUDE A 5" ADJUSTMENT ALLOWANCE BELOW THE CASTING.
 A THE GATE ELEVATION SHOWN IS 1" LOWER THAN NORMAL GUTTER FLOWLINE ELEVATION.
 * USE CIRCULAR INLET OPTION ONLY.

- M. MANHOLE
- INLET
- PROPOSED MANHOLE
- PROPOSED INLET
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER



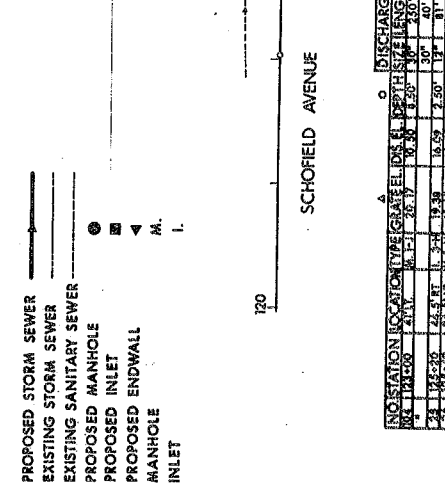
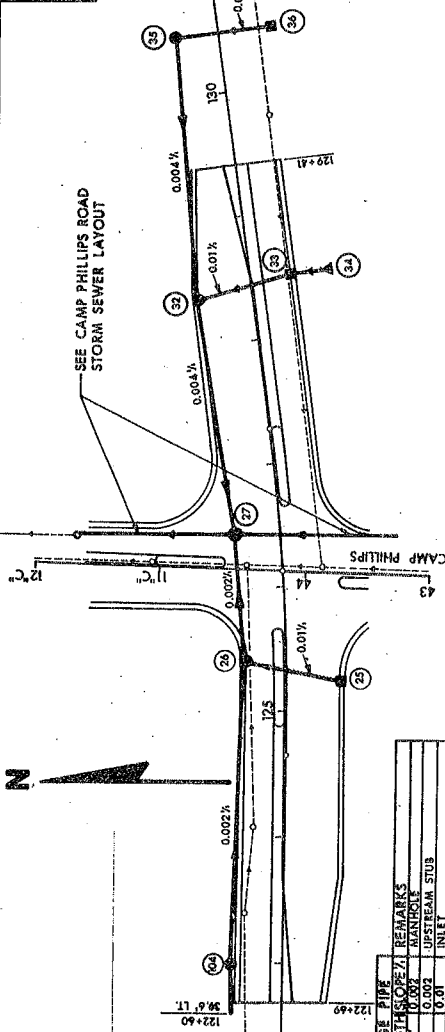
THIS SHEET PREPARED BY:
Greiner, Bobbitt
 Consulting Engineers

NO.	STATION	LOCATION	TYPE	GRATE E.L.	DS. E.L.	DEPTH	DISCHARGE PIPE SIZE	LENGTH	SLOPE %	REMARKS
1	34+85	11	3-H	30.95	30.95	0.00	12"	46.50'	0.0095	INLET
2	34+85	11	3-H	31.19	31.19	0.00	12"	46.50'	0.0095	INLET
3	34+85	11	3-H	31.43	31.43	0.00	12"	46.50'	0.0095	INLET
4	34+85	11	3-H	31.67	31.67	0.00	12"	46.50'	0.0095	INLET
5	34+85	11	3-H	31.91	31.91	0.00	12"	46.50'	0.0095	INLET
6	34+85	11	3-H	32.15	32.15	0.00	12"	46.50'	0.0095	INLET
7	34+85	11	3-H	32.39	32.39	0.00	12"	46.50'	0.0095	INLET
8	34+85	11	3-H	32.63	32.63	0.00	12"	46.50'	0.0095	INLET
9	34+85	11	3-H	32.87	32.87	0.00	12"	46.50'	0.0095	INLET
10	34+85	11	3-H	33.11	33.11	0.00	12"	46.50'	0.0095	INLET
11	34+85	11	3-H	33.35	33.35	0.00	12"	46.50'	0.0095	INLET
12	34+85	11	3-H	33.59	33.59	0.00	12"	46.50'	0.0095	INLET
13	34+85	11	3-H	33.83	33.83	0.00	12"	46.50'	0.0095	INLET
14	34+85	11	3-H	34.07	34.07	0.00	12"	46.50'	0.0095	INLET
15	34+85	11	3-H	34.31	34.31	0.00	12"	46.50'	0.0095	INLET
16	34+85	11	3-H	34.55	34.55	0.00	12"	46.50'	0.0095	INLET
17	34+85	11	3-H	34.79	34.79	0.00	12"	46.50'	0.0095	INLET
18	34+85	11	3-H	35.03	35.03	0.00	12"	46.50'	0.0095	INLET
19	34+85	11	3-H	35.27	35.27	0.00	12"	46.50'	0.0095	INLET
20	34+85	11	3-H	35.51	35.51	0.00	12"	46.50'	0.0095	INLET
21	34+85	11	3-H	35.75	35.75	0.00	12"	46.50'	0.0095	INLET
22	34+85	11	3-H	35.99	35.99	0.00	12"	46.50'	0.0095	INLET
23	34+85	11	3-H	36.23	36.23	0.00	12"	46.50'	0.0095	INLET
24	34+85	11	3-H	36.47	36.47	0.00	12"	46.50'	0.0095	INLET
25	34+85	11	3-H	36.71	36.71	0.00	12"	46.50'	0.0095	INLET
26	34+85	11	3-H	36.95	36.95	0.00	12"	46.50'	0.0095	INLET
27	34+85	11	3-H	37.19	37.19	0.00	12"	46.50'	0.0095	INLET
28	34+85	11	3-H	37.43	37.43	0.00	12"	46.50'	0.0095	INLET
29	34+85	11	3-H	37.67	37.67	0.00	12"	46.50'	0.0095	INLET
30	34+85	11	3-H	37.91	37.91	0.00	12"	46.50'	0.0095	INLET
31	34+85	11	3-H	38.15	38.15	0.00	12"	46.50'	0.0095	INLET
32	34+85	11	3-H	38.39	38.39	0.00	12"	46.50'	0.0095	INLET
33	34+85	11	3-H	38.63	38.63	0.00	12"	46.50'	0.0095	INLET
34	34+85	11	3-H	38.87	38.87	0.00	12"	46.50'	0.0095	INLET
35	34+85	11	3-H	39.11	39.11	0.00	12"	46.50'	0.0095	INLET
36	34+85	11	3-H	39.35	39.35	0.00	12"	46.50'	0.0095	INLET
37	34+85	11	3-H	39.59	39.59	0.00	12"	46.50'	0.0095	INLET
38	34+85	11	3-H	39.83	39.83	0.00	12"	46.50'	0.0095	INLET
39	34+85	11	3-H	40.07	40.07	0.00	12"	46.50'	0.0095	INLET
40	34+85	11	3-H	40.31	40.31	0.00	12"	46.50'	0.0095	INLET
41	34+85	11	3-H	40.55	40.55	0.00	12"	46.50'	0.0095	INLET
42	34+85	11	3-H	40.79	40.79	0.00	12"	46.50'	0.0095	INLET
43	34+85	11	3-H	41.03	41.03	0.00	12"	46.50'	0.0095	INLET
44	34+85	11	3-H	41.27	41.27	0.00	12"	46.50'	0.0095	INLET
45	34+85	11	3-H	41.51	41.51	0.00	12"	46.50'	0.0095	INLET
46	34+85	11	3-H	41.75	41.75	0.00	12"	46.50'	0.0095	INLET
47	34+85	11	3-H	41.99	41.99	0.00	12"	46.50'	0.0095	INLET
48	34+85	11	3-H	42.23	42.23	0.00	12"	46.50'	0.0095	INLET
49	34+85	11	3-H	42.47	42.47	0.00	12"	46.50'	0.0095	INLET
50	34+85	11	3-H	42.71	42.71	0.00	12"	46.50'	0.0095	INLET
51	34+85	11	3-H	42.95	42.95	0.00	12"	46.50'	0.0095	INLET
52	34+85	11	3-H	43.19	43.19	0.00	12"	46.50'	0.0095	INLET
53	34+85	11	3-H	43.43	43.43	0.00	12"	46.50'	0.0095	INLET
54	34+85	11	3-H	43.67	43.67	0.00	12"	46.50'	0.0095	INLET
55	34+85	11	3-H	43.91	43.91	0.00	12"	46.50'	0.0095	INLET
56	34+85	11	3-H	44.15	44.15	0.00	12"	46.50'	0.0095	INLET
57	34+85	11	3-H	44.39	44.39	0.00	12"	46.50'	0.0095	INLET
58	34+85	11	3-H	44.63	44.63	0.00	12"	46.50'	0.0095	INLET
59	34+85	11	3-H	44.87	44.87	0.00	12"	46.50'	0.0095	INLET
60	34+85	11	3-H	45.11	45.11	0.00	12"	46.50'	0.0095	INLET
61	34+85	11	3-H	45.35	45.35	0.00	12"	46.50'	0.0095	INLET
62	34+85	11	3-H	45.59	45.59	0.00	12"	46.50'	0.0095	INLET
63	34+85	11	3-H	45.83	45.83	0.00	12"	46.50'	0.0095	INLET
64	34+85	11	3-H	46.07	46.07	0.00	12"	46.50'	0.0095	INLET
65	34+85	11	3-H	46.31	46.31	0.00	12"	46.50'	0.0095	INLET
66	34+85	11	3-H	46.55	46.55	0.00	12"	46.50'	0.0095	INLET
67	34+85	11	3-H	46.79	46.79	0.00	12"	46.50'	0.0095	INLET
68	34+85	11	3-H	47.03	47.03	0.00	12"	46.50'	0.0095	INLET
69	34+85	11	3-H	47.27	47.27	0.00	12"	46.50'	0.0095	INLET
70	34+85	11	3-H	47.51	47.51	0.00	12"	46.50'	0.0095	INLET
71	34+85	11	3-H	47.75	47.75	0.00	12"	46.50'	0.0095	INLET
72	34+85	11	3-H	47.99	47.99	0.00	12"	46.50'	0.0095	INLET
73	34+85	11	3-H	48.23	48.23	0.00	12"	46.50'	0.0095	INLET
74	34+85	11	3-H	48.47	48.47	0.00	12"	46.50'	0.0095	INLET
75	34+85	11	3-H	48.71	48.71	0.00	12"	46.50'	0.0095	INLET
76	34+85	11	3-H	48.95	48.95	0.00	12"	46.50'	0.0095	INLET
77	34+85	11	3-H	49.19	49.19	0.00	12"	46.50'	0.0095	INLET
78	34+85	11	3-H	49.43	49.43	0.00	12"	46.50'	0.0095	INLET
79	34+85	11	3-H	49.67	49.67	0.00	12"	46.50'	0.0095	INLET
80	34+85	11	3-H	49.91	49.91	0.00	12"	46.50'	0.0095	INLET
81	34+85	11	3-H	50.15	50.15	0.00	12"	46.50'	0.0095	INLET
82	34+85	11	3-H	50.39	50.39	0.00	12"	46.50'	0.0095	INLET
83	34+85	11	3-H	50.63	50.63	0.00	12"	46.50'	0.0095	INLET
84	34+85	11	3-H	50.87	50.87	0.00	12"	46.50'	0.0095	INLET
85	34+85	11	3-H	51.11	51.11	0.00	12"	46.50'	0.0095	INLET
86	34+85	11	3-H	51.35	51.35	0.00	12"	46.50'	0.0095	INLET
87	34+85	11	3-H	51.59	51.59	0.00	12"	46.50'	0.0095	INLET
88	34+85	11	3-H	51.83	51.83	0.00	12"	46.50'	0.0095	INLET
89	34+85	11	3-H	52.07	52.07	0.00	12"	46.50'	0.0095	INLET
90	34+85	11	3-H	52.31	52.31	0.00	12"	46.50'	0.0095	INLET
91	34+85	11	3-H	52.55	52.55	0.00	12"	46.50'	0.0095	INLET
92	34+85	11	3-H	52.79	52.79	0.00	12"	46.50'	0.0095	INLET
93	34+85	11	3-H	53.03	53.03	0.00	12"	46.50'	0.0095	INLET
94	34+85	11	3-H	53.27	53.27	0.00	12"	46.50'	0.0095	INLET
95	34+85	11	3-H	53.51	53.51	0.00	12"	46.50'	0.0095	INLET
96	34+85	11	3-H	53.75	53.75	0.00	12"	46.50'	0.0095	INLET
97	34+85	11	3-H	53.99	53.99	0.00	12"	46.50'	0.0095	INLET
98	34+85	11	3-H	54.23	54.23	0.00	12"	46.50'	0.0095	INLET
99	34+85	11	3-H	54.47	54.47	0.00	12"	46.50'	0.0095	INLET
100	34+85	11	3-H	54.71	54.71	0.00	12"	46.50'	0.0095	INLET
101	34+85	11	3-H	54.95	54.95	0.00	12"	46.50'	0.0095	INLET
102	34+85	11	3-H	55.19	55.19	0.00	12"	46.50'	0.0095	INLET
103	34+85	11	3-H	55.43	55.43	0.00	12"	46.50'	0.0095	INLET
104	34+85	11	3-H	55.67	55.67	0.00	12"	46.50'	0.0095	INLET
105	34+85	11	3-H	55.91	55.91	0.00	12"	46.50'	0.0095	INLET
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109	34+85	11	3-H	56.87	56.87	0.00	12"	46.50'	0.0095	INLET
110	34+85	11	3-H	57.11	57.11	0.00	12"	46.50'	0.0095	INLET
111	34+85	11	3-H	57.35	57.35	0.00	12"	46.50'	0.0095	INLET
112	34+85	11	3-H	57.59	57.59	0.00	12"	46.50'	0.0095	INLET
113	34+85	11	3-H	57.83	57.83	0.00	12"	46.50'	0.0095	INLET
114	34+85	11	3-H	58.07	58.07	0.00	12"	46.50'	0.0095	INLET
115	34+85	11	3-H	58.31	58.31	0.00	12"	46.50'	0.0095	INLET
116	34+85	11	3-H	58.55	58.55	0.00	12"	46.50'	0.0095	INLET
117	34+85	11	3-H	58.79	58.79	0.00	12"	46.50'	0.0095	INLET
118	34+85	11	3-H	59.03	59.03	0.00	12"	46.50'	0.0095	INLET
119	34+85	11								

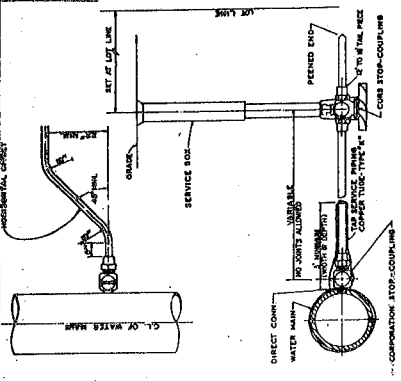
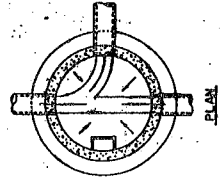
STATE PROJECT NUMBER
1056-06-73

SHEET NO.
2-25

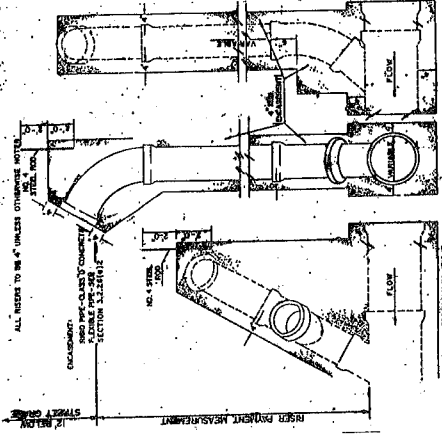
SCHOFIELD AVENUE
STORM SEWER LAYOUT



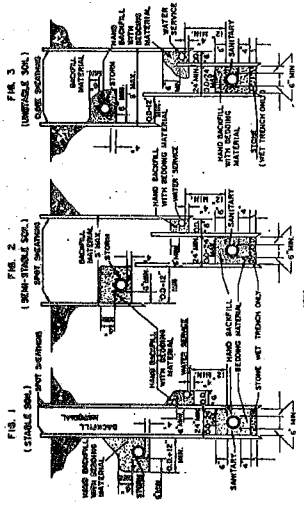
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1	122+60	MANHOLE	18"	30"	40"	0.002	122+60	122+60	EXISTING STUB
2	122+50	MANHOLE	18"	30"	40"	0.002	122+50	122+50	EXISTING STUB
3	122+40	MANHOLE	18"	30"	40"	0.002	122+40	122+40	EXISTING STUB
4	122+30	MANHOLE	18"	30"	40"	0.002	122+30	122+30	EXISTING STUB
5	122+20	MANHOLE	18"	30"	40"	0.002	122+20	122+20	EXISTING STUB
6	122+10	MANHOLE	18"	30"	40"	0.002	122+10	122+10	EXISTING STUB
7	122+00	MANHOLE	18"	30"	40"	0.002	122+00	122+00	EXISTING STUB
8	121+90	MANHOLE	18"	30"	40"	0.002	121+90	121+90	EXISTING STUB
9	121+80	MANHOLE	18"	30"	40"	0.002	121+80	121+80	EXISTING STUB
10	121+70	MANHOLE	18"	30"	40"	0.002	121+70	121+70	EXISTING STUB
11	121+60	MANHOLE	18"	30"	40"	0.002	121+60	121+60	EXISTING STUB
12	121+50	MANHOLE	18"	30"	40"	0.002	121+50	121+50	EXISTING STUB
13	121+40	MANHOLE	18"	30"	40"	0.002	121+40	121+40	EXISTING STUB
14	121+30	MANHOLE	18"	30"	40"	0.002	121+30	121+30	EXISTING STUB
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16	121+10	MANHOLE	18"	30"	40"	0.002	121+10	121+10	EXISTING STUB
17	121+00	MANHOLE	18"	30"	40"	0.002	121+00	121+00	EXISTING STUB
18	120+90	MANHOLE	18"	30"	40"	0.002	120+90	120+90	EXISTING STUB
19	120+80	MANHOLE	18"	30"	40"	0.002	120+80	120+80	EXISTING STUB
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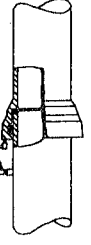
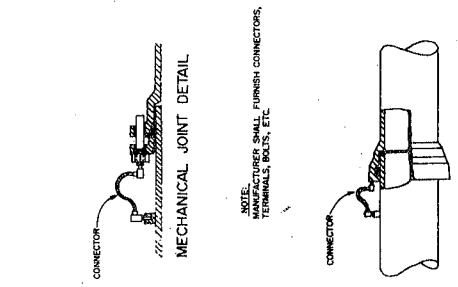
WATER SERVICE DETAIL



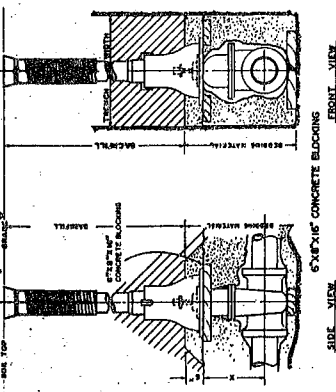
RISER DETAIL



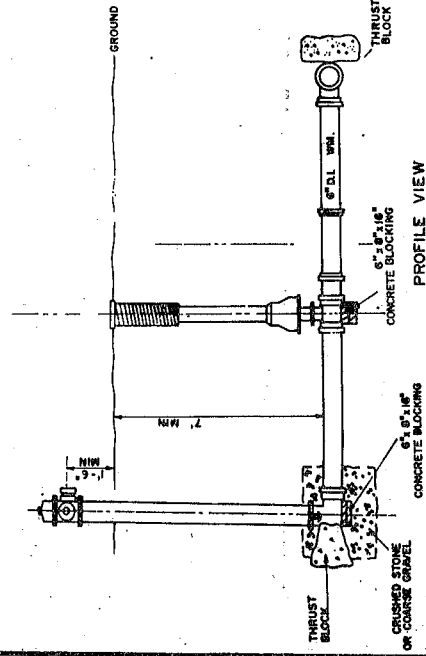
STANDARD SERVICE DETAIL



WATERMAIN CONDUCTIVITY CONNECTOR DETAIL



GATE VALVE DETAIL



FIRE HYDRANT DETAIL

RISERS. Risers shall be constructed as shown in riser detail.

(c) All risers for sanitary sewers shall be made to the connection to the main sewer. The riser shall be built in a vertical position with the entire riser in a vertical immediate section of the main sewer below the riser enclosed as follows:

Flexible Pipe. Risers constructed of flexible pipe shall be constructed in a vertical position and bedding material confined in a finished zone or other approved bedding.

The top edge of the riser shall be 4 inch above the top of the riser. The riser shall be designed to extend 2 feet above the top of the riser.

(b) All risers on sanitary sewers shall be built to specification for sanitary risers. In the case of risers on water mains, the riser shall be a straight pipe.

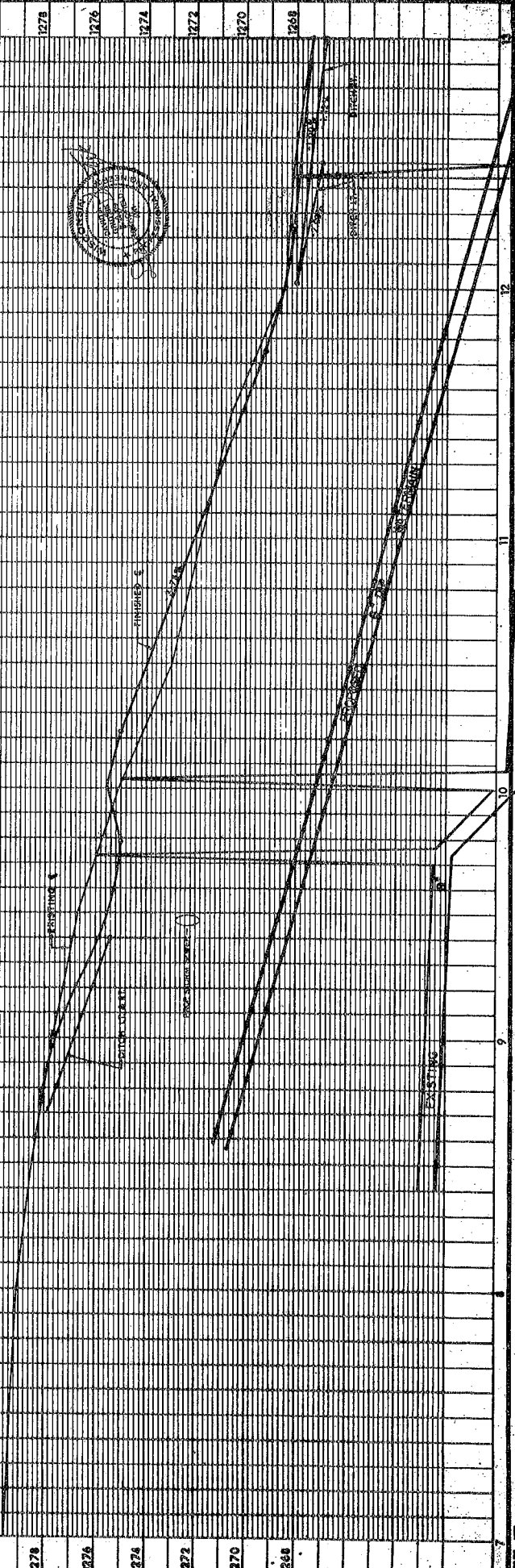
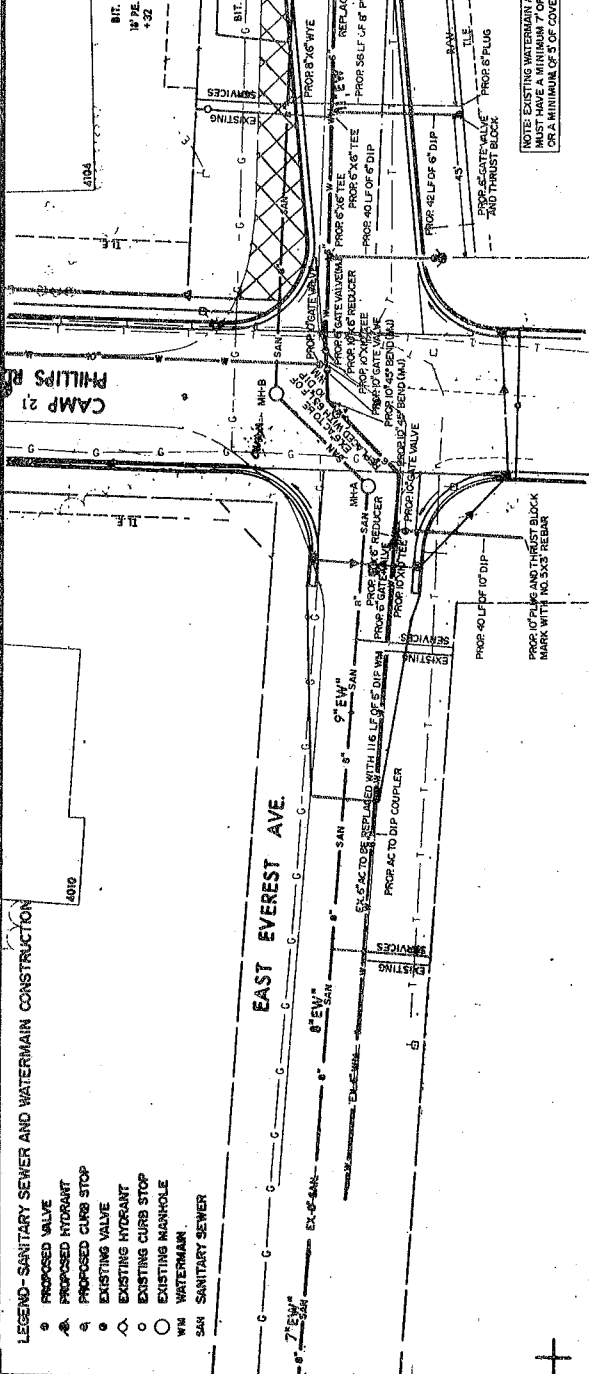
NOTE: THIS SHEET PREPARED BY THE STATE OF MICHIGAN AND IS REQUIRED FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY.



STATE PROJECT NUMBER
1034-07-77
 SHEET NO.
2-27
SANITARY SEWER AND WATER CONSTRUCTION DETAILS

LEGEND - SANITARY SEWER AND WATERMAIN CONSTRUCTION

- PROPOSED VALVE
- △ PROPOSED HYDRANT
- PROPOSED CURB STOP
- EXISTING VALVE
- △ EXISTING HYDRANT
- EXISTING CURB STOP
- EXISTING MANHOLE
- W W WATERMAIN
- S S SANITARY SEWER

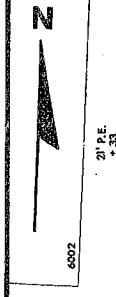
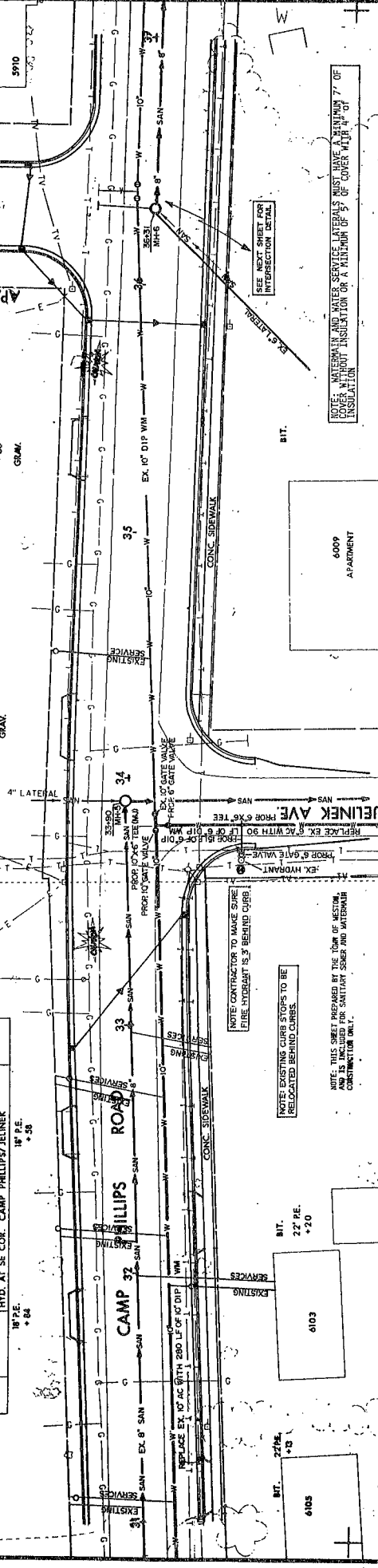


NOTE: THIS SHEET PREPARED BY THE TIME OF MEASUREMENT FOR SANITARY SEWER AND WATERMAIN CONSTRUCTION ONLY.

NOTE: EXISTING WATERMAIN AND WATER SERVICE LATERALS MUST HAVE A MINIMUM 7\"/>



APACHE
SANITARY
SEWER AND WATER CONSTRUCTION DETAILS



21' P.E.
+33
GRM.

22' P.E.
+20
GRM.

18' P.E.
+56

18' P.E.
+64

27' P.E.
+13

22' P.E.
+20

5910

6002

6006

6002

6106

6102

6106

6100

6104

6105

6002

6006

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STATE PROJECT NUMBER
1054-07-77

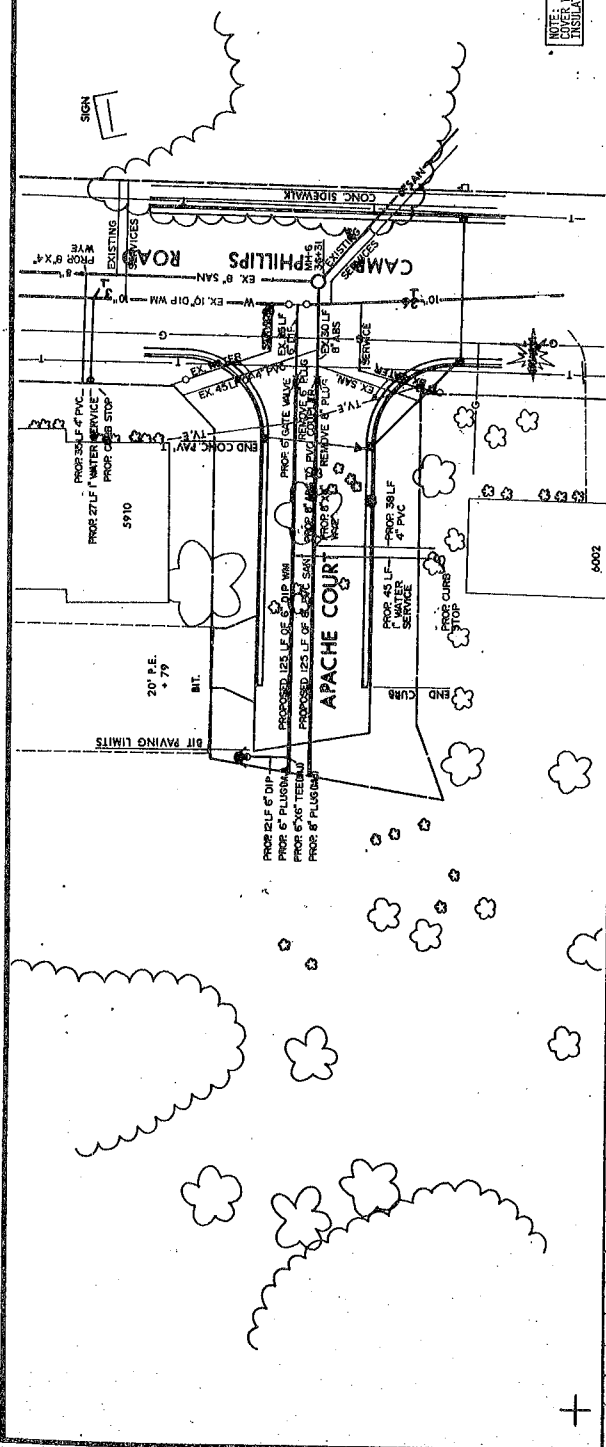
SHEET NO.
231

**SANITARY
 SEWER AND WATER CONSTRUCTION DETAILS**

NOTE: THIS SHEET PREPARED BY THE TEAM OF LEONARD
 & ASSOCIATES, INC. FOR THE CITY OF PHOENIX
 & CONSTRUCTION CO.



NOTE: WATERMAIN AND WATER SERVICE LATERALS MUST HAVE A MINIMUM 7" OF
 INSULATION ON A MINIMUM OF 5' OF COVER WITH 2" OF
 INSULATION.



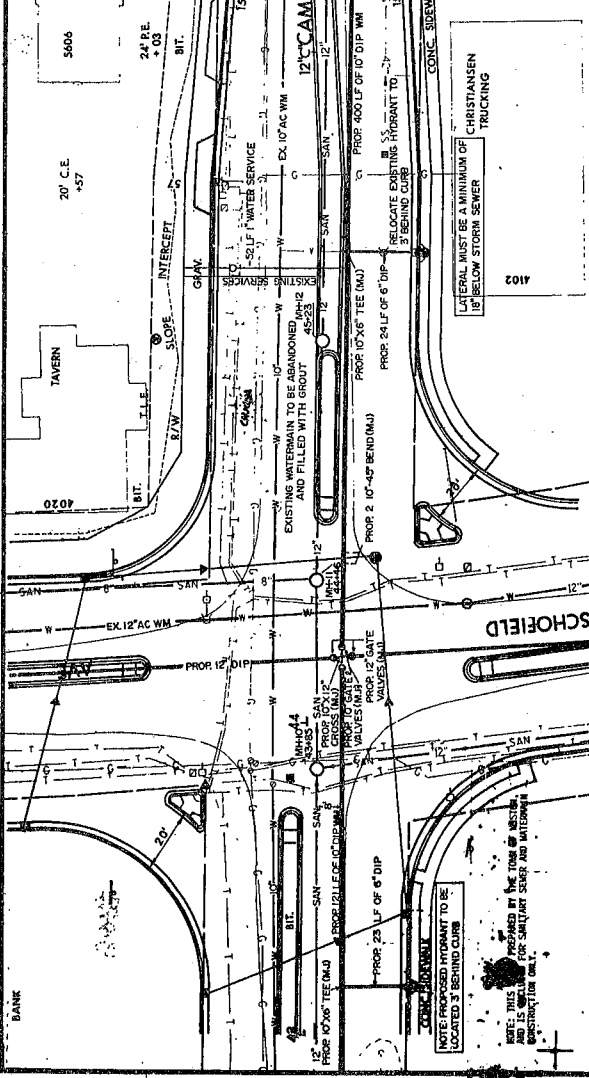
GRIM ELEV. 1237.47
 DEPTH 9.00'
 INVERT 1228.47'

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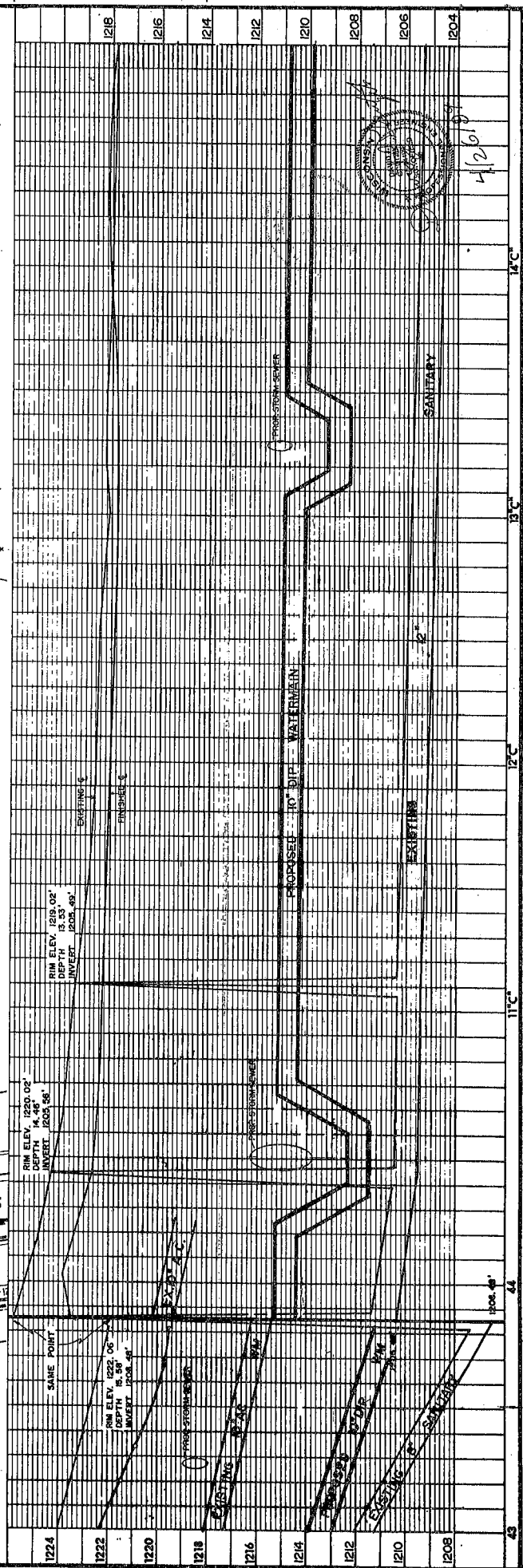


BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
5606	24 P.E. + 03	28' C.E. + 07	
11	123+79.10(1)	RR SPIKE IN 14" SPRUCE AT TAVERN AT 4020 SCHOFIELD	1218.82



NOTE: WATERMAIN AND WATER SERVICE LATERALS MUST HAVE A MINIMUM OF 7" OF COVER WITHOUT INSULATION OR A MINIMUM OF 5" OF COVER WITH 1" OF INSULATION.



SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NO.	OWNER	SHEET NO.	INTEREST REQUIRED	NEW R/W REQUIRED ACRES	PROJECT ID.	PARCEL NO.	OWNER	SHEET NO.	INTEREST REQUIRED	NEW R/W REQUIRED ACRES	PROJECT ID.
* 114	HELEN CRAWFORD DAVIS	45	FEE	0.23	1054-1-23	520	JOHN E. OKRASINSKI	4.11B	FEE & ACCESS RIGHTS	0.07	1054-07-21
* 115	JAMES G. SLATER	45	FEE	0.03	1054-1-23	521	TERRANCE L. & SHIRLEY A. HINTZ	4.11B	FEE & ACCESS RIGHTS	0.13	1054-07-21
* 116	CORYL E. BREIT	45	FEE	0.06	1054-1-23	(2) 522	RICHARD A. & MARY E. BRUER	4.11B	FEE & ACCESS RIGHTS	0.13	1054-07-21
* 117	ELAINE BROWN	45	FEE	0.06	1054-1-23	523	ANTHONY A. & MARY E. WILLINGER	4.11B	FEE & ACCESS RIGHTS	0.13	1054-07-21
* 118	JANE TURK	45	FEE	0.16	1054-1-23	524	LAWRENCE ZIMMERMAN	4.11B	FEE & ACCESS RIGHTS	0.15	1054-07-21
* 120	EUGENE A. PETERSON	45	FEE	0.37	1054-1-23	(2) 525	WILLIAM E. & MARY LEWIS	4.11B	FEE & ACCESS RIGHTS	3.91	1054-07-21
* 121	MELTON C. FERRIS	45	FEE	3.52	1054-1-23	(2) 526	ARNOLD & ARLISS JENKS	4.11B	FEE & ACCESS RIGHTS	3.91	1054-07-21
* 123	VICTOR AUGUSTINE	46	FEE	0.02	1054-1-23	(2) 527	BREN HUGH & BRENDA LEE HARTINGER	4.11C	FEE & ACCESS RIGHTS	0.34	1054-07-21
* 124	JOSE J. SICKLINER	46	FEE	0.05	1054-1-23	(2) 528	JOHN F. & DIANE M. HOEPER	4.11C	FEE & ACCESS RIGHTS	4.01	1054-07-21
* 125	ALMA STEVEN JR.	46	FEE	0.05	1054-1-23	(2) 529	GORDON D. GAUGER SR.	4.11C	FEE & ACCESS RIGHTS	4.63	1054-07-21
* 126	ALMA STEVEN JR.	46	FEE	0.03	1054-1-23	(2) 530	RUDOLPH KRAEGE	4.11C	FEE & ACCESS RIGHTS	0.65	1054-07-21
* 127	GORDON D. BELLE	46	FEE	0.09	1054-1-23	(2) 531	OPAL D. MORAN	4.11E	FEE & ACCESS RIGHTS	3.82	1054-07-21
* 128	LEA MARKOWSKI	46	FEE	0.03	1054-1-23	(2) 532	TIGERTON LUMBER COMPANY	4.11E	FEE & ACCESS RIGHTS	1.75	1054-07-21
* 129	LEA MARKOWSKI	46	FEE	0.03	1054-1-23	(2) 533	GILBERT A. & ARLETT SCHMIDT	4.11E	FEE & ACCESS RIGHTS	2.74	1054-07-21
* 130	EUGENE FREDRICK ARNOT	46	FEE	0.02	1054-1-23	(2) 534	GERALD A. SCHMIDT	4.11E	FEE & ACCESS RIGHTS	3.05	1054-07-21
* 131	VERVILLE J. CROCHIERE	46	FEE	0.03	1054-1-23	535	JERRY & MARY STASZAK	4.11E	FEE & ACCESS RIGHTS	0.14	1054-07-21
* 132	HERBERT C. JORDON	46	FEE	0.03	1054-1-23	537	JERRY & MARY STASZAK	4.11E	FEE & ACCESS RIGHTS	0.09	1054-07-21
* 133	HERRY L. McCABE	46	FEE	0.03	1054-1-23	(2) 538	HENKELMAN BUILDERS, INC.	4.11F	FEE & ACCESS RIGHTS	0.15	1054-07-21
* 134	RICHARD W. ROBERTS	48	FEE	0.06	1054-1-23	(2) 539	MCJAY INVESTMENT CORP.	4.11F	FEE & ACCESS RIGHTS	6.97	1054-07-21
* 135	RUPERT DERNBACH	48	FEE	0.03	1054-1-23	(2) 540	SANDRA J. AUSTIN	4.11F	FEE & ACCESS RIGHTS	6.31	1054-07-21
* 136	RAYMOND KOLBECK	48	FEE	0.17	1054-1-23	(2) 541	EDWARD J. STAROSTOWICZ	4.11F	FEE & ACCESS RIGHTS	0.15	1054-07-21
* 137	WILLIAM W. PUMP CO.	48	FEE	0.03	1054-1-23	(2) 542	GENERAL TELEPHONE CO.	4.11G	RELEASE OF RIGHTS	0.75	1054-07-40
* 138	WILLIAM W. PUMP CO.	48	FEE	0.01	1054-1-23	543	WIS. PUBLIC SERVICE CORR. TRANS. LINES	4.11G	FEE	0.31	1054-07-21
* 139	JOHN L. MANN	48	FEE	0.01	1054-1-23	544	ELDRON HINTZ	4.11G	FEE	0.39	1054-07-21
* 140	RICHARD DEAN FROEMMING ET AL	48	FEE	0.01	1054-1-23	545	ALLEN H. & VERNA C. HABECK	4.19 & 4.20	FEE & ACCESS RIGHTS	1.67	1054-07-21
* 141	HAROLD E. MC DONELL	48	FEE	0.04	1054-1-23	(1) 551	BERTHA WANTA	4.19 & 4.20	FEE & ACCESS RIGHTS	0.12	1054-07-21
* 142	CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RR	49	FEE	0.75	1054-1-51	(2) 552	RONALD & MARY DASSLER	4.19 & 4.20	FEE	17.87	1054-07-21
* 143	FRANCIS A. RONDEAU & PERRY SCHUETTE	45	FEE	0.75	1054-1-51	(2) 553	ROBERT W. LAMKEN	4.19 & 4.20	FEE	5.48	1054-07-21
* 158	KNUT BERG	4.12	FEE	3.94	1054-2-21	(3) 554	VIRGIL & BETTY KUFHAL	4.19 & 4.19A	FEE & ACCESS RIGHTS	0.07	1054-07-21
* 160	WILLIAM BARNETT	4.13	FEE	8.02	1054-2-21	(4) 555	LYLE G. BREHM	4.19 & 4.19A	FEE	0.21	1054-07-21
* 161	CLIFFORD J. DE LISLE	4.15	FEE	1.61	1054-2-21	(4) 556	ARTHUR A. LANDOWSKI	4.19 & 4.19A	FEE	0.57	1054-07-21
* 162	HARLEY E. SOZOGS	4.15	FEE	4.28	1054-2-21	(4) 557	JAMES R. & JEANNE E. LAWRIE (L.C.)	4.19 & 4.19A	FEE & ACCESS RIGHTS	0.14	1054-07-21
* 163	WISCONSIN VALLEY TRUST CO., TRUSTEE	4.15	FEE	5.12	1054-2-21	(4) 558	WILLIAM R. & CHRISTINE G. BOHN	4.19 & 4.19A	FEE & ACCESS RIGHTS	0.03	1054-07-21
* 164	JOHN ZINSER	4.15 & 4.16	FEE	15.90	1054-2-21	(4) 559	JOHN H. SONNENTAG	4.19 & 4.19A	FEE & ACCESS RIGHTS	0.03	1054-07-21
* 165	CLARENCE W. RUTH	4.16	FEE	7.47	1054-07-21	(4) 560	TOWN OF WESTON	4.10, 4.10A, 4.11, & 4.11A	SEE SEC. 84.29(14M) WIS. STAT.	0.03	1054-07-21
* 166	MIKE ZINSER & G	4.16	FEE	12.79	1054-2-21	(4) 561	ANR PIPELINE COMPANY	4.10, 4.10A, 4.11, & 4.11A	RELEASE OF RIGHTS	0.20	1054-07-40
* 167	DALE E. SMITH	4.17 & 4.18	FEE	3.81	1054-07-21	(4) 562					
* 168	LYLE BREHM	4.17 & 4.18	FEE	5.295	1054-07-21						
* 169	GERALD E. ZOROMSKI	4.18	FEE	3.29	1054-07-21						
* 170	RUDOLPH & RITA ZOROMSKI & HENRY L. SCHANK	4.18	FEE	0.28	1054-07-21						
* 171	ALFRED E. LEDER	4.18, 4.19 & 4.20	FEE	4.53	1054-2-21						
* 172	ROBERT W. LAMKEN	4.20	FEE	0.48	1054-2-21						
* 173	ARTHUR A. LANDOWSKI	4.19 & 4.20	FEE	11.35	1054-2-21						
* 174	EDWARD J. POLLEY	4.15	FEE	0.45	1054-2-21						
* 1500	LAWRENCE G. ZANDER	4.10A	LHE		1054-07-21						
* 1501	JOHN A. RYAN & FLORENCE RYAN	4.10A	FEE	0.64	1054-07-21						
* 502	DOLORES L. HEUSS	4.10A	FEE	0.25	1054-07-21						
* 1503	A. B. PARTNERS	4.10A	FEE & LHE	0.08	1054-07-21						
* 1504	JEROME L. GLATCZAK	4.11A	FEE	0.06	1054-07-21						
* 506	ROBERT A. & JANE A. WAGMAN	4.11A	FEE	0.06	1054-07-21						
* 507	JOHN A. & FLORENCE RYAN	4.11A	FEE	0.09	1054-07-21						
* 508	LAVENNE G. & MARY A. MORIEN	4.11A	FEE	0.05	1054-07-21						
* 1509	DAVID J. & LESLIE F. ARMSTRONG	4.11A	FEE	396.73	1054-07-21						
* 1510	BEVERLY TOMASIK	4.11A	FEE & ACCESS RIGHTS	0.06	1054-07-21						
* 1511	FRANCES ZIMBAUER	4.11A	FEE	0.05	1054-07-21						
* 512	ROBERT LEE METZ	4.11A	FEE & ACCESS RIGHTS	0.29	1054-07-21						
* 1514	RUSSELL DRAKE & GRACE DRAKE	4.11A	FEE, LHE & ACCESS RIGHTS	0.27	1054-07-21						
* 1515	JOHN SCHOOL DISTRICT NO. 10, ETC.	4.11A	FEE & LHE	0.10	1054-07-21						
* 1516	VILLAGE OF ROTHSCHILD, WISCONSIN PUBLIC SERVICE DIST. LINES.	4.11A	FEE & 4.11F RELEASE OF RIGHTS		1054-07-40						

NOTE: * ACQUIRED UNDER PROJECT 1054-01-23 / T020-2(14)

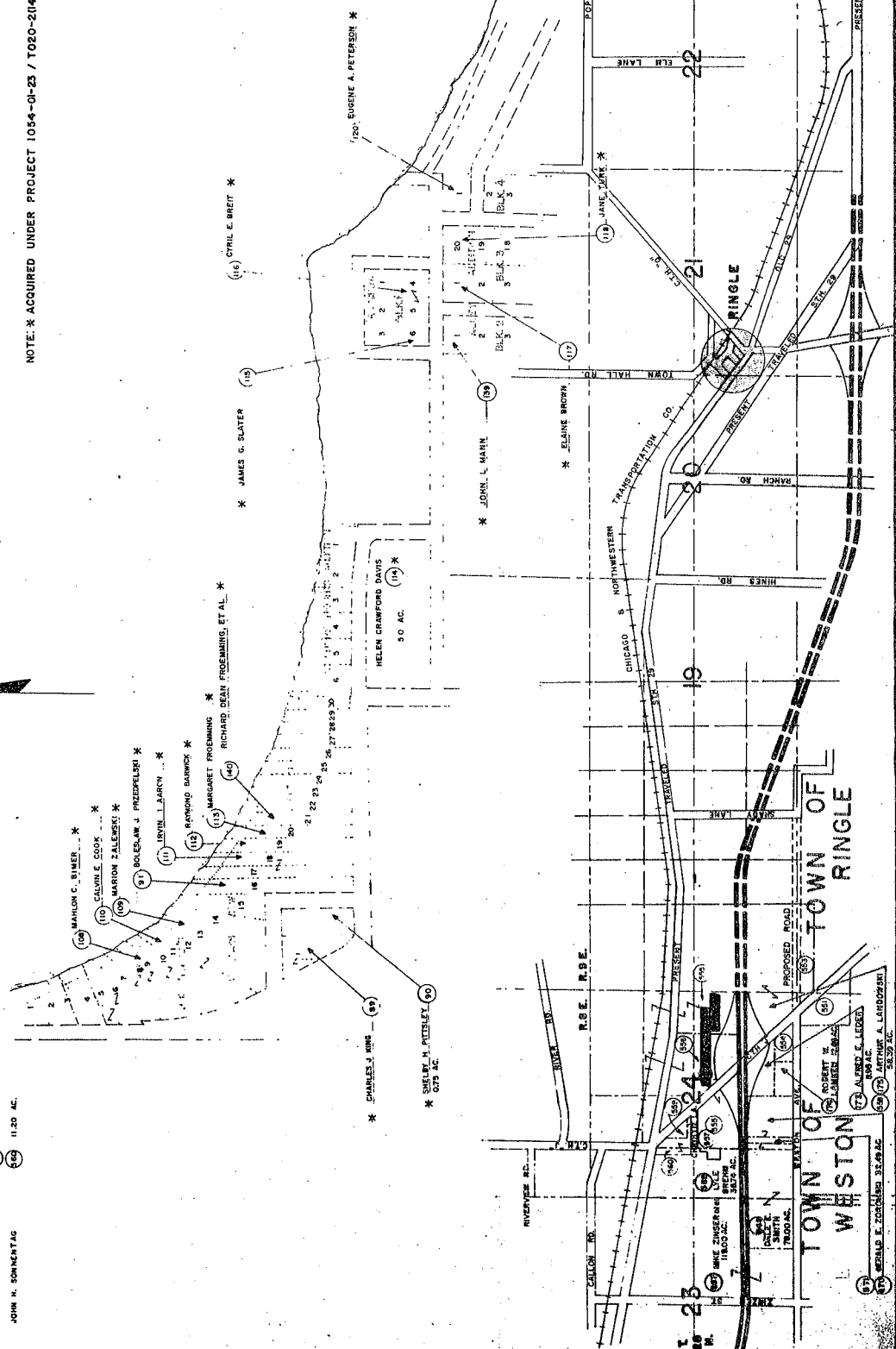
PROJECT NO.	1054-01-23
DATE	02-21
PROJECT ID.	1054-07-21
OWNER	WALSUW-RINGLE
COUNTY	S.T.H. 29
CITY	MARATHON
DATE DEPT. INFO	02-21-77
DATE	07-21

REVISION	NO.	DATE	BY
1	1-18-71		
2	2-2-71		
3	2-18-71		
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SECTION	DATE	PROJECT NO.	ACRES	TOTAL SHEETS
1-1-71	1054-01-23	1054-01-23	13.50 AC	4, 4
2-1-71	1054-02-21	1054-02-21	10.86 AC	
3-1-71	1054-07-21	1054-07-21	11.27 AC	
4-1-71			12.59 AC	
5-1-71			31.15 AC	
6-1-71			0.31 AC	
7-1-71			45.31 AC	
8-1-71			6.51 AC	
9-1-71			8.39 AC	
10-1-71			11.20 AC	

NOTE: * ACQUIRED UNDER PROJECT 1054-01-23 / T020-2(14)

- (51) ALLEN H. & YERMA C. HARBEC 13.50 AC
- (52) BERTHA WANTA 1.30 AC
- (53) RONALD & MARY DASZLER 10.86 AC
- (54) ROBERT W. LAMEN 11.27 AC
- (55) JOHN H. & GERALDYN SONNENTAG 12.59 AC
- (56) THOMAS BETTY RUPHAL 31.15 AC
- (57) LYLE G. BREHM 0.31 AC
- (58) ARTHUR A. LANDOWSKI 45.31 AC
- (59) RUDOLPH L. & WITA ZORONSKI & HENRY L. SCHNAK 6.51 AC
- (60) WILLIAM R. & CHRISTINE G. BOHN 8.39 AC
- (61) JOHN H. SONNENTAG 11.20 AC



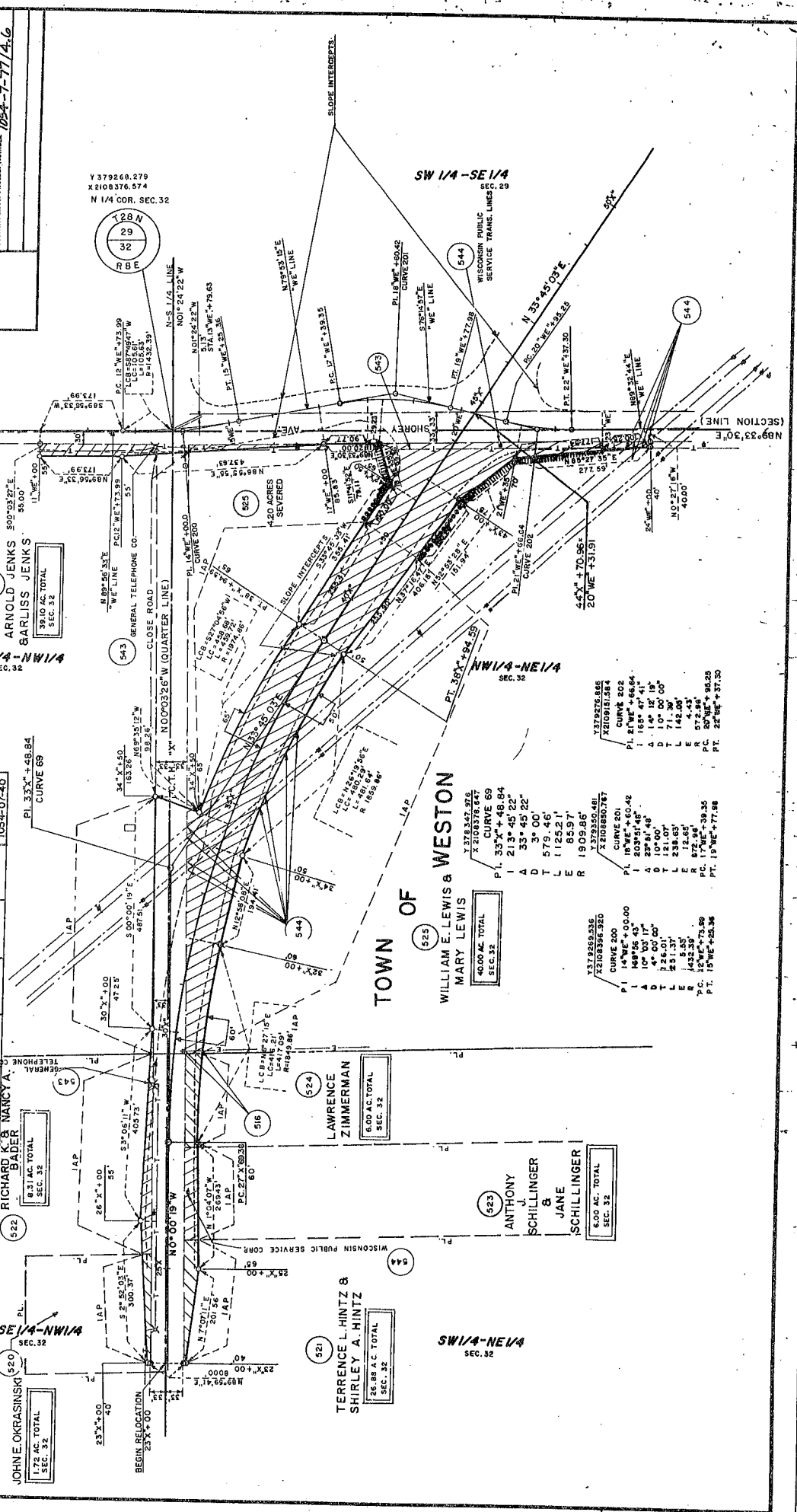
SECTION	DATE	PROJECT NO.	ACRES	TOTAL SHEETS
1-1-71	1054-01-23	1054-01-23	13.50 AC	4, 4
2-1-71	1054-02-21	1054-02-21	10.86 AC	
3-1-71	1054-07-21	1054-07-21	11.27 AC	
4-1-71			12.59 AC	
5-1-71			31.15 AC	
6-1-71			0.31 AC	
7-1-71			45.31 AC	
8-1-71			6.51 AC	
9-1-71			8.39 AC	
10-1-71			11.20 AC	

SHEET NUMBER: 4, 11B
 REVISION DATE: 11-3-87, 12-8-87 NC, 9-1-88 NC
 1/4" PROJECT NUMBER: 1054-07-21
 FEDERAL PROJECT NUMBER:
 PLAT OF SIGHT OF WAY REQUIRED FOR:
WAUSAU - RINGLE ROAD
 MARATHON COUNTY
 SCALE: 200 FT. DATE: 6-19-87
 CONSTRUCTION PROJECT NUMBER: 1054-7-77/4,6

BEARING ORIENTATION AND GRID CONVERSION
 COORDINATES AND RIGHT OF WAY PLAT BEARINGS ARE ORIENTED TO THE WISCONSIN
 COORDINATE SYSTEM WITH 0 DEGREES, 0 MINUTES, 0 SECONDS BEING GRID NORTH.
 THE DIFFERENCE BETWEEN PROJECT PLAT BEARINGS REPRESENT PLANE, MERIDIAN, IN
 DEGREES, MINUTES AND SECONDS TO THE NEAREST SECOND. R/W PLAT DISTANCES
 ARE ROUND LENGTHS UNLESS OTHERWISE NOTED AND MAY BE CONVERTED TO GRID
 LENGTHS BY MULTIPLYING PLAT DISTANCES BY 0.9998000.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NO.	OWNER	INTEREST REQUIRED	ACRES REQUIRED	NEW R/W REQUIRED	EXISTING R/W	TOTAL REQUIRED	APPROXIMATE TOTAL ACRES	OPERATIONS PROJECT NO.
526	ARNOLD & BARLISS, JENKS	FEE & ACCESS RIGHTS	0.13	0.34	0.97	1.07	58.03	1054-07-21
527	RICHARD K. & NANCY A. BADER	FEE & ACCESS RIGHTS	0.13	0.31	0.44	0.54	7.87	1054-07-21
528	JOHN E. OKRASINSKI	FEE & ACCESS RIGHTS	0.07	0.17	0.24	0.31	1.48	1054-07-21
521	TERRANCE L. & SHIRLEY A. HINTZ	FEE & ACCESS RIGHTS	0.13	0.19	0.32	0.32	26.56	1054-07-21
523	ANTHONY J. & JANE SCHILLINGER	FEE & ACCESS RIGHTS	0.13	0.13	0.28	0.28	5.72	1054-07-21
524	LAWRENCE ZIMMERMAN	FEE & ACCESS RIGHTS	0.13	0.13	0.28	0.28	5.72	1054-07-21
525	WILLIAM E. & MARY LEWIS	FEE & ACCESS RIGHTS	3.81	1.16	0.29	0.29	34.41	1054-07-21
543	WISCONSIN PUBLIC SERVICE CORP.	RELEASE OF RIGHTS						1054-07-40
544	WIS PUBLIC SERV. DIST. LINES	RELEASE OF RIGHTS						1054-07-40
516								



ARNOLD JENKS 50°03'27"E 55.00'
 BARLISS JENKS 50°03'27"E 55.00'
 GENERAL TELEPHONE CO. SEC. 32
 CURVE 69
 PI 33° 45' 22"

TOWN OF
 WILLIAM E. LEWIS & WESTON
 MARY LEWIS
 CURVE 500
 PI 14° 56' 43" + 48.84
 A 10° 00' 00"
 D 10° 00' 00"
 L 21.07
 E 12.65
 R 142.00
 PC 17° 05' 38.35
 PT. 19° 09' 46"

LAWRENCE ZIMMERMAN
 CURVE 500
 PI 14° 56' 43" + 48.84
 A 10° 00' 00"
 D 10° 00' 00"
 L 21.07
 E 12.65
 R 142.00
 PC 17° 05' 38.35
 PT. 19° 09' 46"

ANTHONY J. SCHILLINGER & JANE SCHILLINGER
 CURVE 500
 PI 14° 56' 43" + 48.84
 A 10° 00' 00"
 D 10° 00' 00"
 L 21.07
 E 12.65
 R 142.00
 PC 17° 05' 38.35
 PT. 19° 09' 46"

TOWN OF
 WILLIAM E. LEWIS & WESTON
 MARY LEWIS
 CURVE 500
 PI 14° 56' 43" + 48.84
 A 10° 00' 00"
 D 10° 00' 00"
 L 21.07
 E 12.65
 R 142.00
 PC 17° 05' 38.35
 PT. 19° 09' 46"

TOWN OF
 WILLIAM E. LEWIS & WESTON
 MARY LEWIS
 CURVE 500
 PI 14° 56' 43" + 48.84
 A 10° 00' 00"
 D 10° 00' 00"
 L 21.07
 E 12.65
 R 142.00
 PC 17° 05' 38.35
 PT. 19° 09' 46"

TOWN OF
 WILLIAM E. LEWIS & WESTON
 MARY LEWIS
 CURVE 500
 PI 14° 56' 43" + 48.84
 A 10° 00' 00"
 D 10° 00' 00"
 L 21.07
 E 12.65
 R 142.00
 PC 17° 05' 38.35
 PT. 19° 09' 46"

REVISION	DATE	BY
11-9-87		
12-18-87		
1-28-88		
9-1-88		

DATE: 6-19-87

SCALE: 200 FT.

CONSTRUCTION PROJECT NUMBER: 1054-77/47

PLAT OF RIGHT OF WAY REQUIRED FOR:
WAUSAU - RINGLE ROAD
 COUNTY: MARATHON

SHEET NUMBER: 4.11C

1/4" PROJECT NUMBER: 1054-07-21

FEDERAL PROJECT NUMBER:

BEARING ORIENTATION AND GRID CONVERSION
 COORDINATES AND RIGHT OF WAY PLAT BEARINGS ARE ORIENTED TO THE WISCONSIN
 COORDINATE SYSTEM WITH 0 DEGREES, 0 MINUTES, 0 SECONDS BEING GRID NORTH.
 THE DIFFERENCE BETWEEN PROJECT PLAT BEARINGS REPRESENT PLANE ANGLES IN
 DEGREES, MINUTES AND SECONDS TO THE NEAREST SECOND. R/W PLAT DISTANCES
 ARE GROUND LENGTHS UNLESS OTHERWISE NOTED AND MAY BE CONVERTED TO GRID
 LENGTHS BY MULTIPLYING PLAT DISTANCES BY 0.99986001.

WESTON

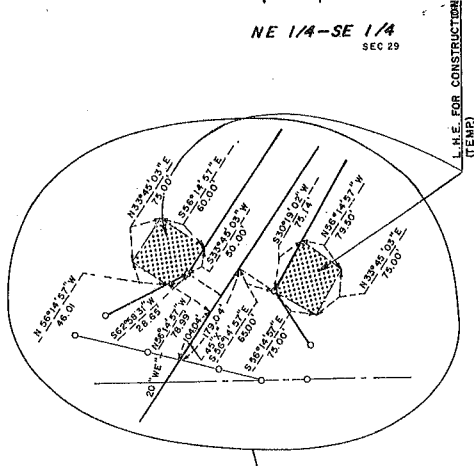
SE 1/4-SW 1/4
 SEC. 29

OF

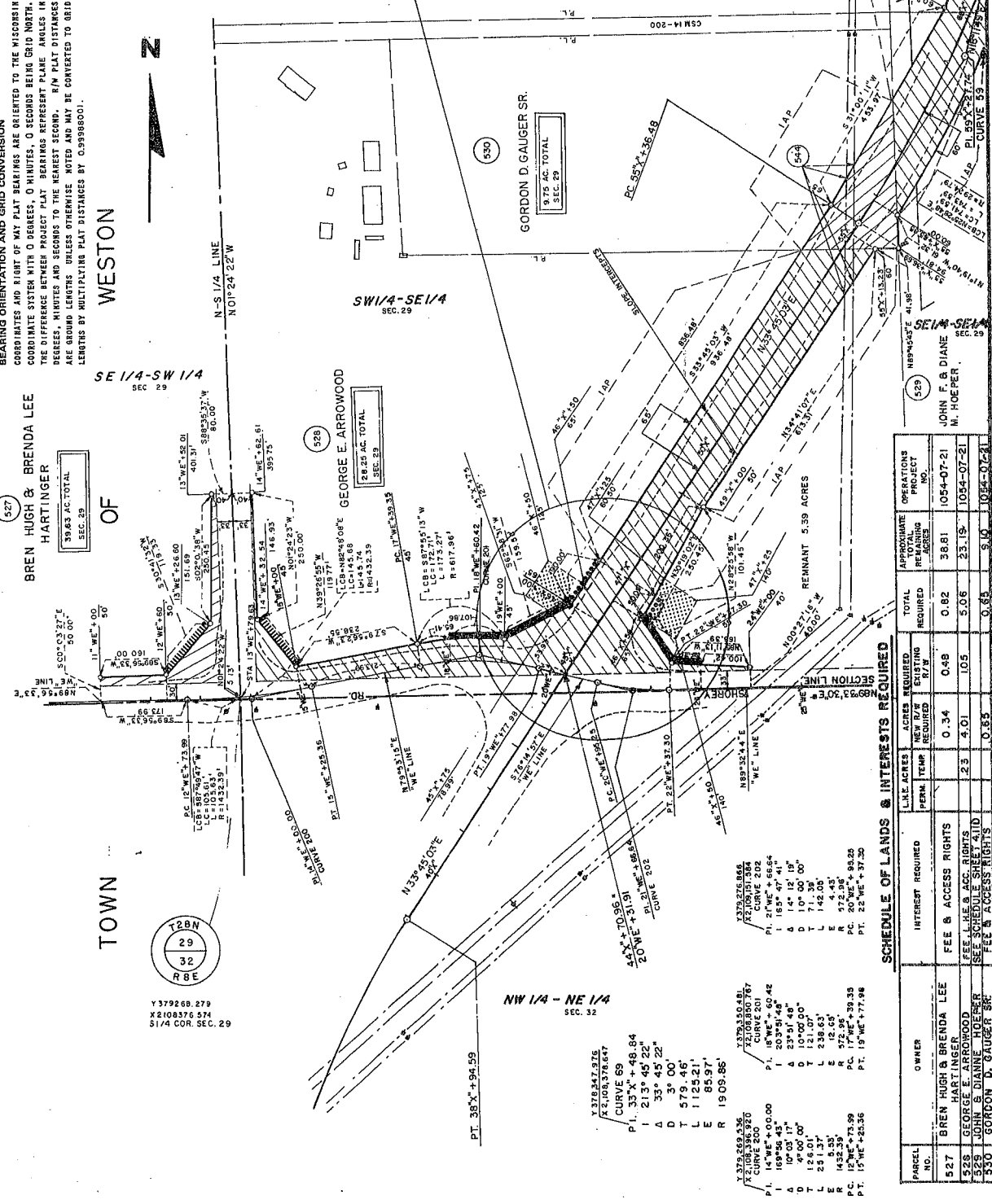
TOWN



Y 379268.279
 X 2108376.574
 S1/4 COR. SEC. 29



Y 388,590.000
 X 2109,730.000
 CURVE 59
 P.I. 59° 27' 27.74"
 Δ 16° 55' 15"
 D 12° 00' 00"
 T 391.26'
 L 777.71'
 E 26.60'
 R 2864.79'
 P.T. 63° 24' 14.19"
 P.C. 55° 24' 36.48"
 L.C. 775.32'
 L.C.B. N 25° 58' 25" E



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NO.	OWNER	INTEREST REQUIRED	ACRES REQUIRED	ACRES REMAINING	TOTAL ACRES REQUIRED	APPROXIMATE TOTAL ACRES REMAINING	OPERATIONS PROJECT NO.
527	BREN HUGH & BRENDA LEE HARTINGER	FEE & ACCESS RIGHTS	0.34	0.48	0.82	38.61	1054-07-21
528	GEORGE E. ARROWOOD	FEE & ACCESS RIGHTS	2.3	4.01	5.06	23.15	1054-07-21
529	GORDON D. GAUGER SR.	FEE & ACCESS RIGHTS	0.85	0.85	0.85	5.10	1054-07-21
544	WISCONSIN PUBLIC SERVICE TRANSMISSION LINE	RELEASE OF RIGHTS					1054-07-40

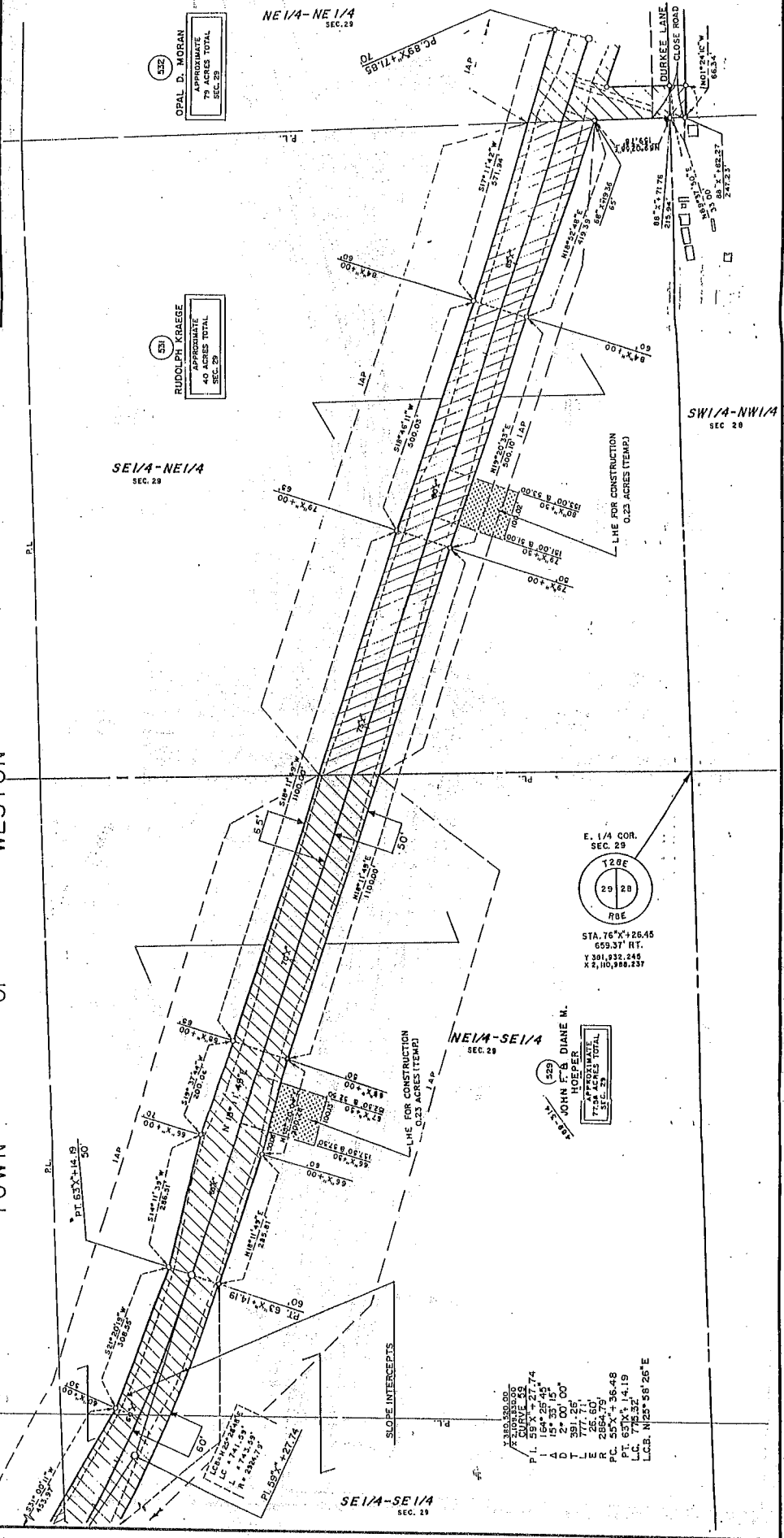
PLAT OF RIGHT OF WAY REQUIRED FOR WAUSAU - RINGLE ROAD
 MARATHON COUNTY
 DATE: 6-10-87
 SCALE: 1" = 200 FT.
 CONSTRUCTION PROJECT NUMBER: 105-4-07-21

BEARING ORIENTATION AND GRID CONVERSION
 COORDINATES AND RIGHT OF WAY PLAT BEARINGS ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM WITH 0 DEGREES, 0 MINUTES, 0 SECONDS BEING GRID NORTH. THE DIFFERENCE BETWEEN PROJECT PLAT BEARINGS REPRESENT PLANE ANGLES IN DEGREES, MINUTES AND SECONDS TO THE NEAREST SECOND. R/W PLAT DISTANCES ARE GROUND LENGTHS UNLESS OTHERWISE NOTED AND MAY BE CONVERTED TO GRID LENGTHS BY MULTIPLYING PLAT DISTANCES BY 0.99988001.



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NO.	OWNER	INTEREST REQUIRED	L&L ACRES PERM. TEMP.	ACRES REQUIRED	EXISTING R/W	TOTAL REQUIRED	APPROXIMATE PROJECT REMAINING ACRES	OPERATIONS INC.
529	JOHN F. & DIANE M. HOEPER	FEE, L&L ACCESS RIGHTS	0.23	0.43	0.43	0.43	4.86	1054-07-21
531	RUDOLPH KRAEGE	FEE, L&L ACCESS RIGHTS	0.23	0.42	0.42	0.42	4.05	1054-07-21
532	OPAL D. MORAN	SEE SCHEDULE SHEET 4.11E						1054-07-21



532
 OPAL D. MORAN
 APPROXIMATE
 79 ACRES TOTAL
 SEC. 29

531
 RUDOLPH KRAEGE
 APPROXIMATE
 40 ACRES TOTAL
 SEC. 29

529
 JOHN F. & DIANE M.
 HOEPER
 APPROXIMATE
 77 ACRES TOTAL
 SEC. 29



Y 391,932.245
 X 2,110,988.237
 P.L. 59° X = 27.74
 I 154° 25' 45"
 Δ 2° 00' 00"
 D T L 391.26
 E 777.71
 R 2654.90
 PC 55° X + 36.48
 PT. 657 X + 14.19
 L.C. 775.32
 L.C.B. W25° 58' 26" E

SECTION DATE 11-9-57
 1-28-58 NC
 9-1-58
 9-4-59 NC
 5-11-51 NC

SECTION PROJECT NUMBER 1054-07-21

4.11E

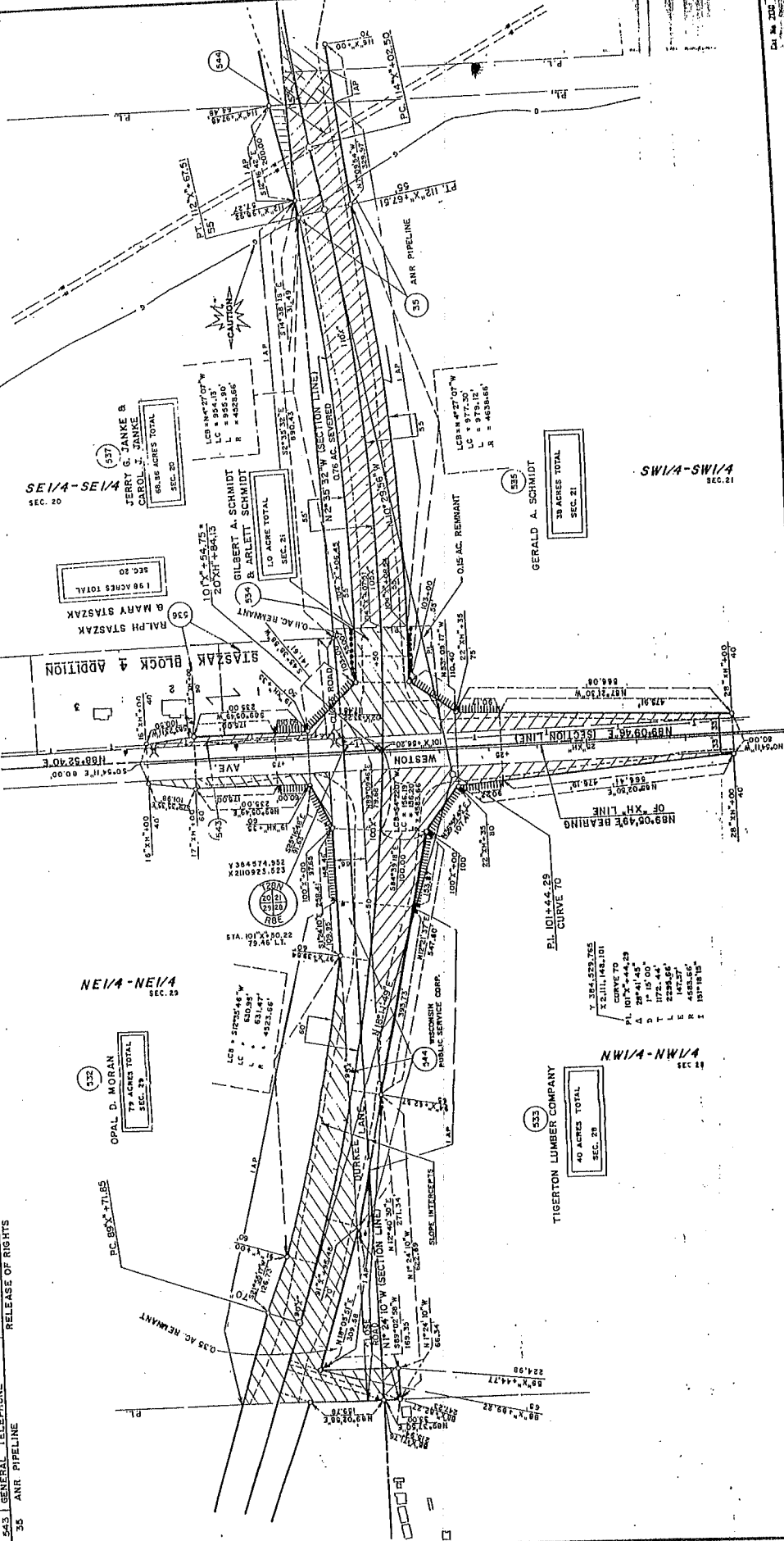
PLAT OF ROAD OR WAY REQUIRED FOR
 WAUSAU - RINGLE ROAD
 MARATHON S.T.M. 729 COUNTY
 SCALE 1" = 100' DATE 5-19-57
 CONSTRUCTION PROJECT NUMBER

BEARING ORIENTATION AND GRID CONVERSION
 COORDINATES AND RIGHT OF WAY PLAT BEARINGS ARE OBTAINED TO THE WISCONSIN
 COORDINATE SYSTEM WITH 0 DEGREES, 0 MINUTES, 0 SECONDS BEARING AND NORTH
 THE DIFFERENCE BETWEEN PROJECT PLAT BEARINGS REPRESENTS PLAT ANGLES IN
 DEGREES, MINUTES AND SECONDS TO THE NEAREST SECOND. PLAT DISTANCES
 ARE IN FEET. BEARINGS AND DISTANCES TO THE NEAREST FOOT MAY BE CONVERTED TO GRID
 LEADING BY MULTIPLYING PLAT DISTANCES BY 0.99999.



SCHEDULE OF LANDS & INTERESTS REQUIRED

PANEL NO.	OWNER	INTEREST REQUIRED		L.C. ACRES	ACRES REQUIRED	TOTAL APPROXIMATE REMAINING	OPERATIONS PROVISION NO.
		PERM	RIGHTS				
532	OPAL D. MORAN	2.41	0.98	3.39	75.61	1054-07-21	
533	TIGERTON LUMBER COMPANY	1.75	0.74	3.49	34.95	1054-07-21	
534	GILBERT A. & ARLETT SCHMIDT	3.05	1.84	4.89	10.11	1054-07-21	
535	GERALD A. SCHMIDT	0.14	0.08	0.22	68.78	1054-07-21	
536	RALPH & MARY STASZAK	0.08	0.08	0.16	1.84	1054-07-21	
537	JERRY G. & CAROL J. JANKE	0.08	0.08	0.16	68.78	1054-07-21	
544	WIS. PUBLIC SERV. CORP. TRANSLINE					1054-07-40	
543	GENERAL TELEPHONE					1054-07-40	



SE 1/4-SE 1/4
 SEC. 20

NE 1/4-NE 1/4
 SEC. 20

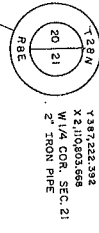
NW 1/4-SW 1/4
 SEC. 21

NW 1/4-NW 1/4
 SEC. 20

SCHEDULE OF LANDS & INTERESTS REQUIRED

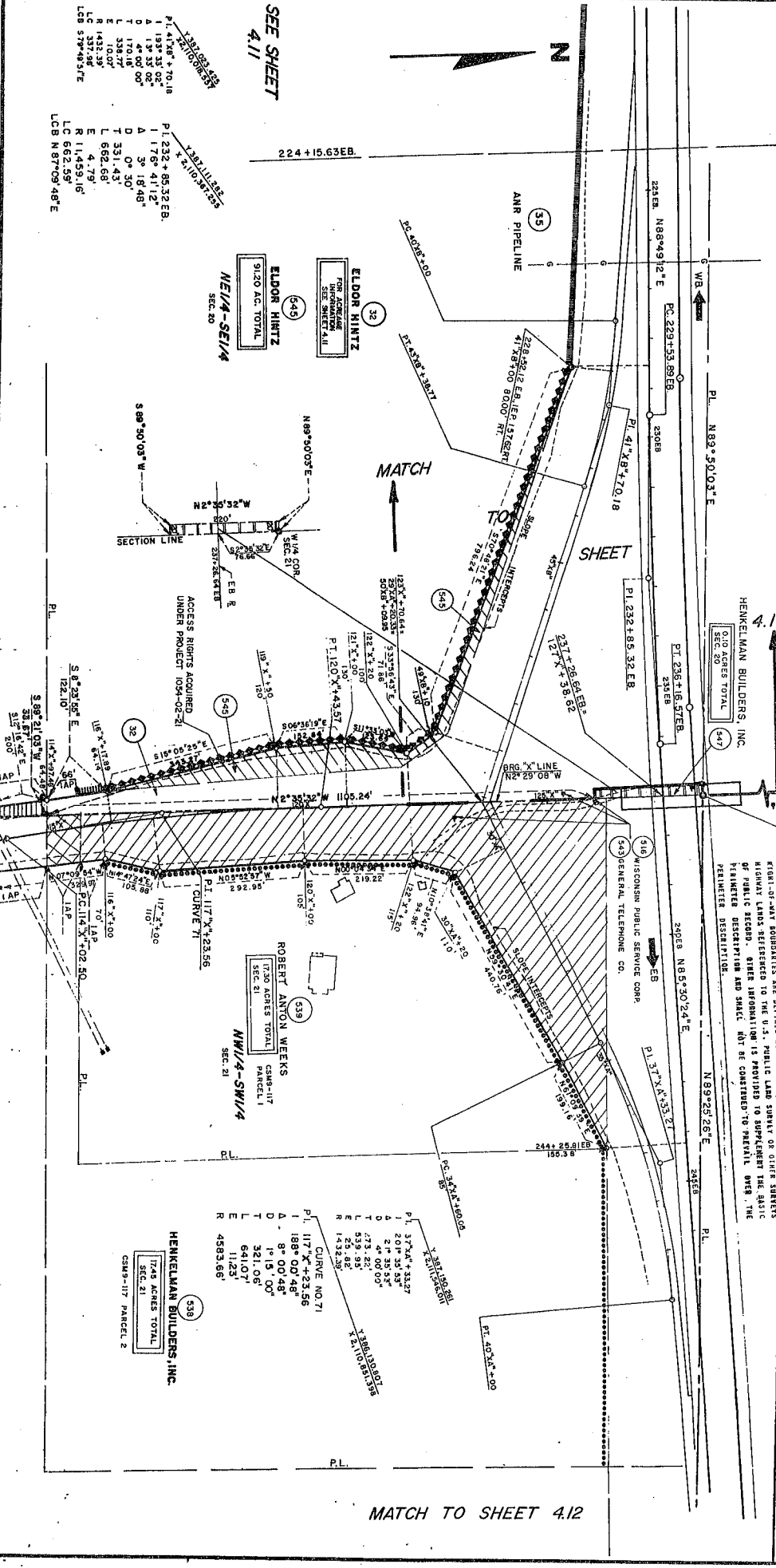
PARCEL NO.	OWNER	INTEREST REQUIRED	ACRES REQUIRED	APPROXIMATE REMAINING ACRES	OPERATIONS PROJECT NO.
545	ELDOR HINTZ	FEE	0.75	90.45	1054-07-21
538	HENKELMAN BUILDERS, INC.	FEE & ACCESS RIGHTS	0.15	17.30	1054-07-21
539	ROBERT ANTON WEEKS	FEE & ACCESS RIGHTS	4.87	12.43	1054-07-21
540	MCADY INVESTMENT CORP.	FEE & ACCESS RIGHTS	6.93	22.53	1054-07-21
541	SANDRA J. AUSTIN	FEE & ACCESS RIGHTS	6.31	27.04	1054-07-21
542	EDWARD J. STAROSTOVIC	FEE & ACCESS RIGHTS	0.15	1.36	1054-07-21
516	WIS. PUBLIC SERV. CORP/DISTLINE	RELEASE OF RIGHTS			
543	HENKELMAN BUILDERS, INC.	FEE & ACCESS RIGHTS			
547	ANR PIPELINE	RELEASE OF RIGHTS			
			1054-07-40	0.00	1054-07-21
			1054-07-40	0.00	1054-07-21
			1054-07-21	0.00	1054-07-21

BEARING ORIENTATION AND GRID CONVERSION
 COORDINATE SYSTEM WITH PLAT BEARINGS ARE ORIENTED TO THE MICHIGAN
 COORDINATE SYSTEM WITH D BEARINGS. D BEARINGS, D BEARINGS BEING GRID NORTH.
 THE DIFFERENCE BETWEEN PRICED PLAT BEARINGS REPRESENT PLATE ANGLES IN
 DEGREES, MINUTES AND SECONDS TO THE NEAREST SECOND. W/4 PLAT DISTANCES
 ARE GROUND LENGTHS UNLESS OTHERWISE NOTED AND MAY BE CONVERTED TO GRID
 LENGTHS BY MULTIPLYING PLAT DISTANCES BY 0.9998000.



REVISION	DATE
6-8-84	
11-9-87	
12-16-87	
1-28-88	
9-1-88	

17 1/2" PROJECT NUMBER
 1054-02-21, 1054-07-21
 FEDERAL PROJECT NUMBER
 411F
 PART OF RIGHT OF WAY REQUIRED FOR:
WAUSAU - RINGLE ROAD
STH. 29
 COUNTY
 MARATHON
 SCALE
 200' R.
 DATE
 12-5-83
 CONSTRUCTION PROJECT NUMBER
 1054-7-77/4.9



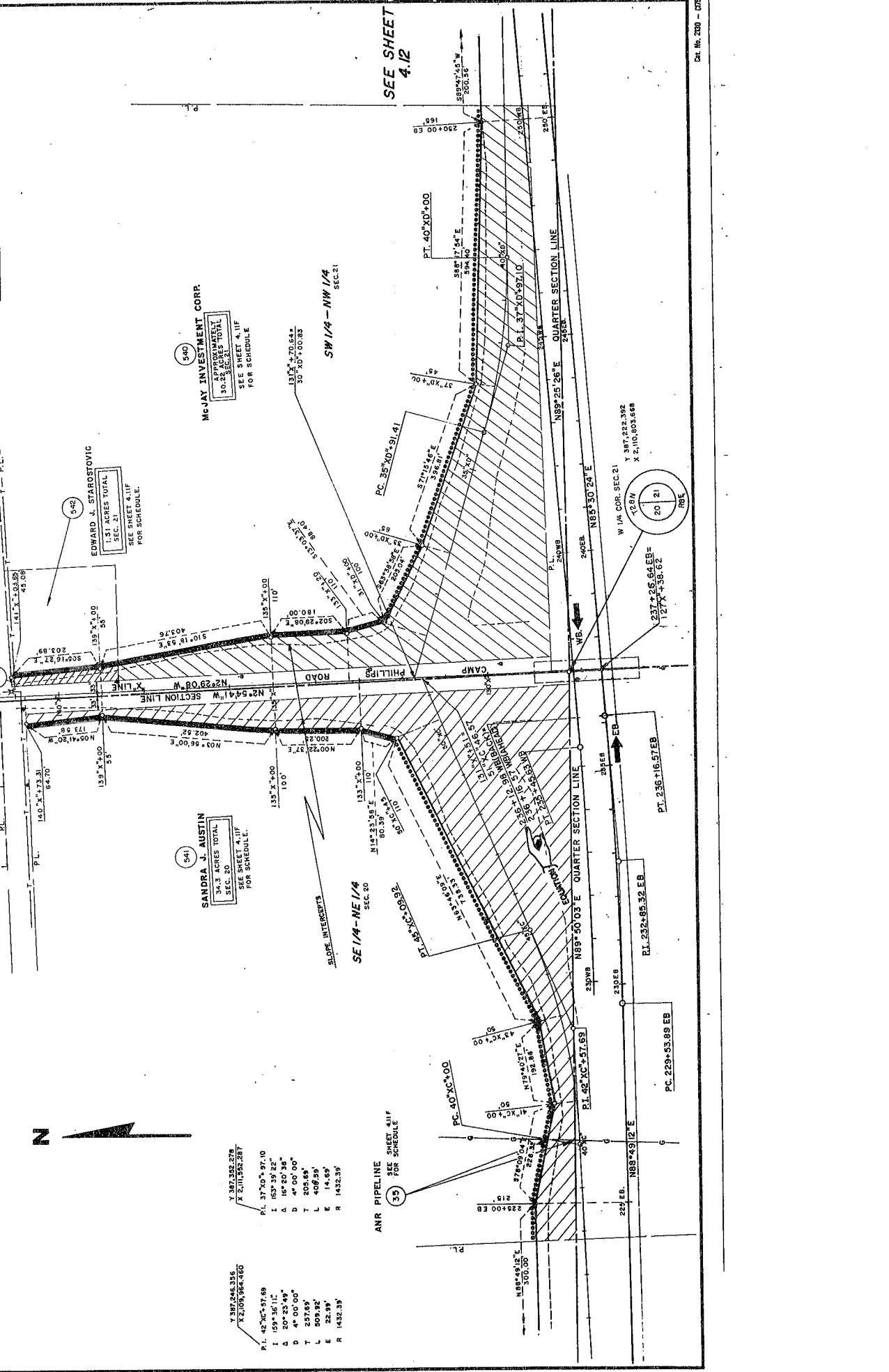
SEE SHEET
 4.11

MATCH TO SHEET 4.12

REVISION	DATE	BY
11 - 9 - 87		
12 - 16 - 87		
1 - 28 - 88 NC		
9 - 1 - 88 NC		

BEARING ORIENTATION AND GRID CONVERSION
 COORDINATE SYSTEM WITH 0 DEGREES, 0 MINUTES, 0 SECONDS BEING GRID NORTH.
 THE DIFFERENCE BETWEEN PROJECT PLAT BEARINGS REPRESENT PLANE ANGLES IN
 DEGREES, MINUTES AND SECONDS TO THE NEAREST SECOND. 87M PLAT DISTANCES
 ARE GROUND LENGTHS UNLESS OTHERWISE NOTED AND MAY BE CONVERTED TO GRID
 LENGTHS BY MULTIPLYING PLAT DISTANCES BY 0.9998001.

7/4 PROJECT NUMBER	1054-07-21
FEDERAL PROJECT NUMBER	4.11G
PLAT OF RIGHT OF WAY REQUIRED FOR	WAUSAU - RINGLE ROAD
COUNTY	MARATHON
DATE	6-19-87
SCALE	1" = 100'
CONSTRUCTION PROJECT NUMBER	1054-7-7749



SEE SHEET 4.12

CAMP PHILLIPS ROAD



6404
 6405
 18" PE.
 +53
 BIT.
 3/6
 BIT.
 20" PE.
 +05

400
BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
E	23+57.40 RT.	YELLOW-PAINT MARK ON SW FLANGE BOLT OF HYD. AT SE COR. CAMP PHILLIPS/DOUGLAS	1270.17
	P.I. 20+50.28		
	X 388569.59		
	X 210742.74		
	Δ 00° 44.41"		
	24" PE.		+98

NO ACCESS
 STA 19+82.78
 STA 10" EW + 00.81

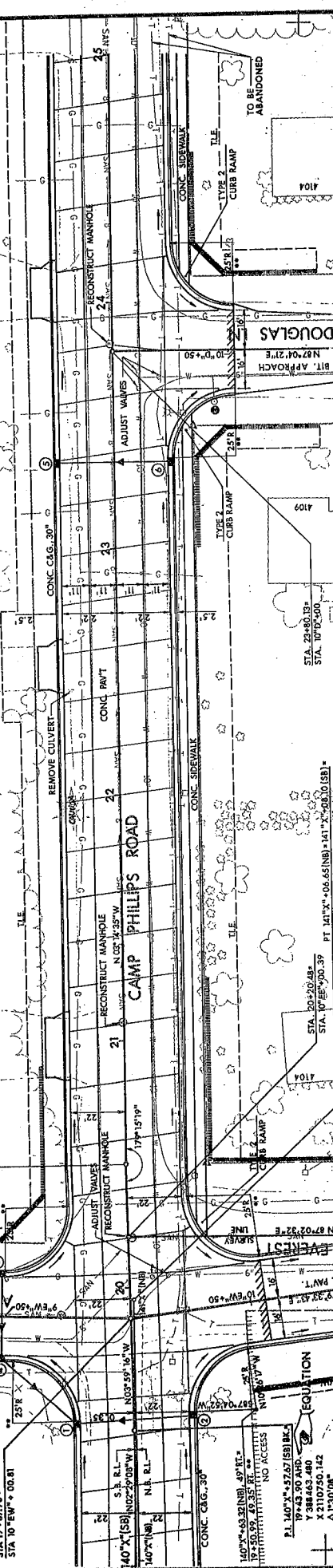
NO ACCESS
 STA 19+43.50 AHD.
 X 388652.480
 X 2110750.142
 Δ 1° 30' 00"

NO ACCESS
 STA 19+43.50 AHD.
 X 388652.480
 X 2110750.142
 Δ 1° 30' 00"

NO ACCESS
 STA 19+43.50 AHD.
 X 388652.480
 X 2110750.142
 Δ 1° 30' 00"

NO ACCESS
 STA 19+43.50 AHD.
 X 388652.480
 X 2110750.142
 Δ 1° 30' 00"

NO ACCESS
 STA 19+43.50 AHD.
 X 388652.480
 X 2110750.142
 Δ 1° 30' 00"



STATION	ELEVATION	STATION	ELEVATION
1276	75.37	1274	75.33
1274	75.29	1272	75.25
1272	75.21	1270	75.17
1270	75.09	1268	75.05
1268	74.97	1266	74.93
1266	74.85	1264	74.81
1264	74.73	1262	74.69
1262	74.57	1260	74.53
1260	74.45	1258	74.41
1258	74.33	1256	74.29
1256	74.21	1254	74.17
1254	74.09	1252	74.05
1252	73.97	1250	73.93
1250	73.85	1248	73.81
1248	73.69	1246	73.65
1246	73.57	1244	73.53
1244	73.45	1242	73.41
1242	73.33	1240	73.29
1240	73.21	1238	73.17
1238	73.09	1236	73.05
1236	72.93	1234	72.89
1234	72.81	1232	72.77
1232	72.69	1230	72.65
1230	72.57	1228	72.53
1228	72.45	1226	72.41
1226	72.33	1224	72.29
1224	72.17	1222	72.13
1222	72.05	1220	72.01
1220	71.89	1218	71.85
1218	71.73	1216	71.69
1216	71.57	1214	71.53
1214	71.41	1212	71.37
1212	71.25	1210	71.21
1210	71.09	1208	71.05
1208	70.93	1206	70.89
1206	70.77	1204	70.73
1204	70.57	1202	70.53
1202	70.41	1200	70.37
1200	70.25	1198	70.21
1198	70.09	1196	70.05
1196	69.89	1194	69.85
1194	69.69	1192	69.65
1192	69.49	1190	69.45
1190	69.29	1188	69.25
1188	69.09	1186	69.05
1186	68.89	1184	68.85
1184	68.69	1182	68.65
1182	68.49	1180	68.45
1180	68.29	1178	68.25
1178	68.09	1176	68.05
1176	67.89	1174	67.85
1174	67.69	1172	67.65
1172	67.49	1170	67.45
1170	67.29	1168	67.25
1168	67.09	1166	67.05
1166	66.89	1164	66.85
1164	66.69	1162	66.65
1162	66.49	1160	66.45
1160	66.29	1158	66.25
1158	66.09	1156	66.05
1156	65.89	1154	65.85
1154	65.69	1152	65.65
1152	65.49	1150	65.45
1150	65.29	1148	65.25
1148	65.09	1146	65.05
1146	64.89	1144	64.85
1144	64.69	1142	64.65
1142	64.49	1140	64.45
1140	64.29	1138	64.25
1138	64.09	1136	64.05
1136	63.89	1134	63.85
1134	63.69	1132	63.65
1132	63.49	1130	63.45
1130	63.29	1128	63.25
1128	63.09	1126	63.05
1126	62.89	1124	62.85
1124	62.69	1122	62.65
1122	62.49	1120	62.45
1120	62.29	1118	62.25
1118	62.09	1116	62.05
1116	61.89	1114	61.85
1114	61.69	1112	61.65
1112	61.49	1110	61.45
1110	61.29	1108	61.25
1108	61.09	1106	61.05
1106	60.89	1104	60.85
1104	60.69	1102	60.65
1102	60.49	1100	60.45
1100	60.29	1098	60.25
1098	60.09	1096	60.05
1096	59.89	1094	59.85
1094	59.69	1092	59.65
1092	59.49	1090	59.45
1090	59.29	1088	59.25
1088	59.09	1086	59.05
1086	58.89	1084	58.85
1084	58.69	1082	58.65
1082	58.49	1080	58.45
1080	58.29	1078	58.25
1078	58.09	1076	58.05
1076	57.89	1074	57.85
1074	57.69	1072	57.65
1072	57.49	1070	57.45
1070	57.29	1068	57.25
1068	57.09	1066	57.05
1066	56.89	1064	56.85
1064	56.69	1062	56.65
1062	56.49	1060	56.45
1060	56.29	1058	56.25
1058	56.09	1056	56.05
1056	55.89	1054	55.85
1054	55.69	1052	55.65
1052	55.49	1050	55.45
1050	55.29	1048	55.25
1048	55.09	1046	55.05
1046	54.89	1044	54.85
1044	54.69	1042	54.65
1042	54.49	1040	54.45
1040	54.29	1038	54.25
1038	54.09	1036	54.05
1036	53.89	1034	53.85
1034	53.69	1032	53.65
1032	53.49	1030	53.45
1030	53.29	1028	53.25
1028	53.09	1026	53.05
1026	52.89	1024	52.85
1024	52.69	1022	52.65
1022	52.49	1020	52.45
1020	52.29	1018	52.25
1018	52.09	1016	52.05
1016	51.89	1014	51.85
1014	51.69	1012	51.65
1012	51.49	1010	51.45
1010	51.29	1008	51.25
1008	51.09	1006	51.05
1006	50.89	1004	50.85
1004	50.69	1002	50.65
1002	50.49	1000	50.45
1000	50.29	998	50.25
998	50.09	996	50.05
996	49.89	994	49.85
994	49.69	992	49.65
992	49.49	990	49.45
990	49.29	988	49.25
988	49.09	986	49.05
986	48.89	984	48.85
984	48.69	982	48.65
982	48.49	980	48.45
980	48.29	978	48.25
978	48.09	976	48.05
976	47.89	974	47.85
974	47.69	972	47.65
972	47.49	970	47.45
970	47.29	968	47.25
968	47.09	966	47.05
966	46.89	964	46.85
964	46.69	962	46.65
962	46.49	960	46.45
960	46.29	958	46.25
958	46.09	956	46.05
956	45.89	954	45.85
954	45.69	952	45.65
952	45.49	950	45.45
950	45.29	948	45.25
948	45.09	946	45.05
946	44.89	944	44.85
944	44.69	942	44.65
942	44.49	940	44.45
940	44.29	938	44.25
938	44.09	936	44.05
936	43.89	934	43.85
934	43.69	932	43.65
932	43.49	930	43.45
930	43.29	928	43.25
928	43.09	926	43.05
926	42.89	924	42.85
924	42.69	922	42.65
922	42.49	920	42.45
920	42.29	918	42.25
918	42.09	916	42.05
916	41.89	914	41.85
914	41.69	912	41.65
912	41.49	910	41.45
910	41.29	908	41.25
908	41.09	906	41.05
906	40.89	904	40.85
904	40.69	902	40.65
902	40.49	900	40.45
900	40.29	898	40.25
898	40.09	896	40.05
896	39.89	894	39.85
894	39.69	892	39.65
892	39.49	890	39.45
890	39.29	888	39.25
888	39.09	886	39.05
886	38.89	884	38.85
884	38.69	882	38.65
882	38.49	880	38.45
880	38.29	878	38.25
878	38.09	876	38.05
876	37.89	874	37.85
874	37.69	872	37.65
872	37.49	870	37.45
870	37.29	868	37.25
868	37.09	866	37.05
866	36.89	864	36.85
864	36.69	862	36.65
862	36.49	860	36.45
860	36.29	858	36.25
858	36.09	856	36.05
856	35.89	854	35.85
854	35.69	852	35.65
852	35.49	850	35.45
850	35.29	848	35.25
848	35.09	846	35.05
846	34.89	844	34.85
844	34.69	842	34.65
842	34.49	840	34.45
840	34.29	838	34.25
838	34.09	836	34.05
836	33.89	834	33.85
834	33.69	832	33.65
832	33.49	830	33.45
830	33.29	828	33.25
828	33.09	826	33.05
826	32.89	824	32.85
824	32.69	822	32.65

STATE PROJECT NUMBER
1054-07-77
EAST EVEREST AVENUE

SHEET NO.
5.30

DATE
7-28-49

BY
7-30'

SCALE
1" = 40'

PROJECT NO.
2110742.74

CONTRACT NO.
38552.742

SECTION NO.
16

DATE
7-30'

BY
7-30'

SCALE
1" = 40'

PROJECT NO.
2110742.74

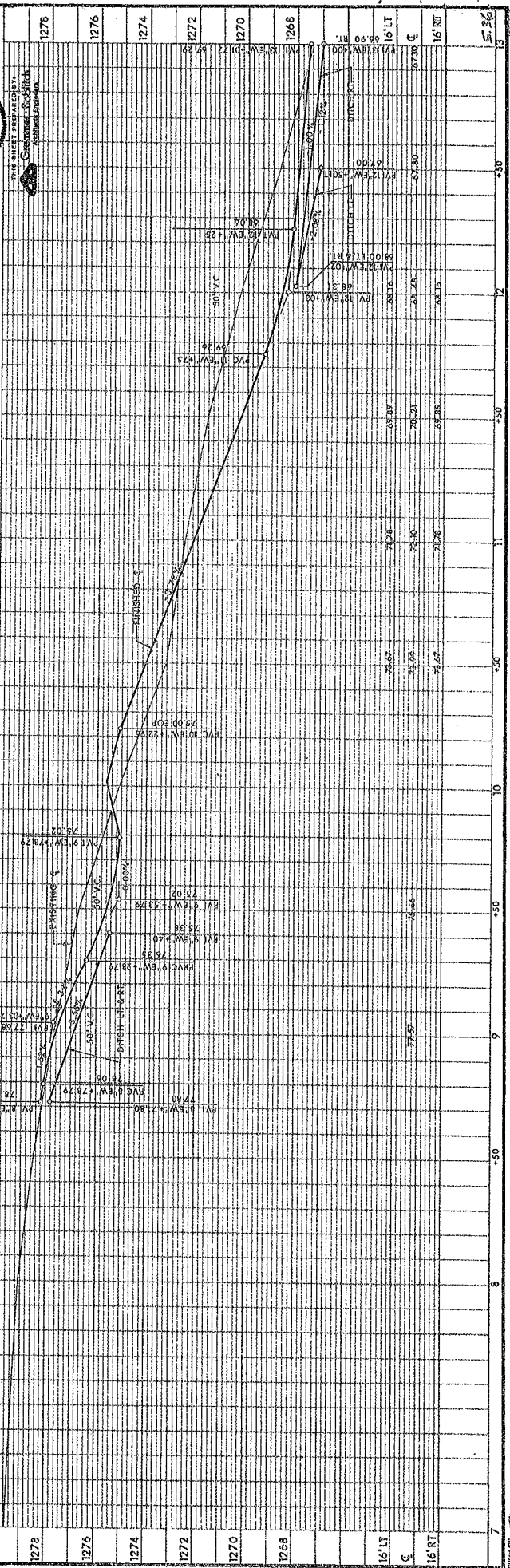
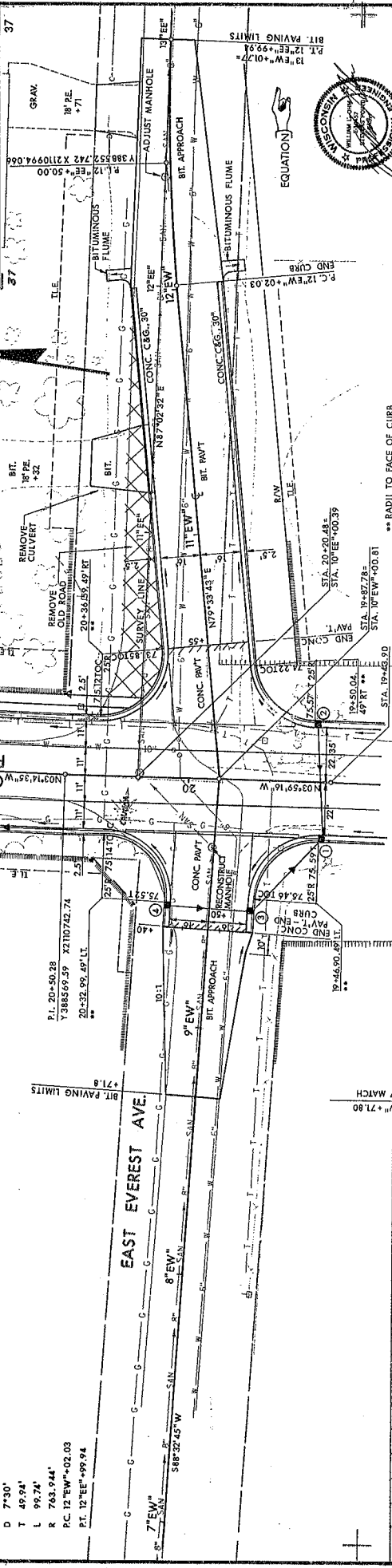
CONTRACT NO.
38552.742

SECTION NO.
16

DATE
7-30'

BY
7-30'

SCALE
1" = 40'



DATE
7-28-49

BY
7-30'

SCALE
1" = 40'

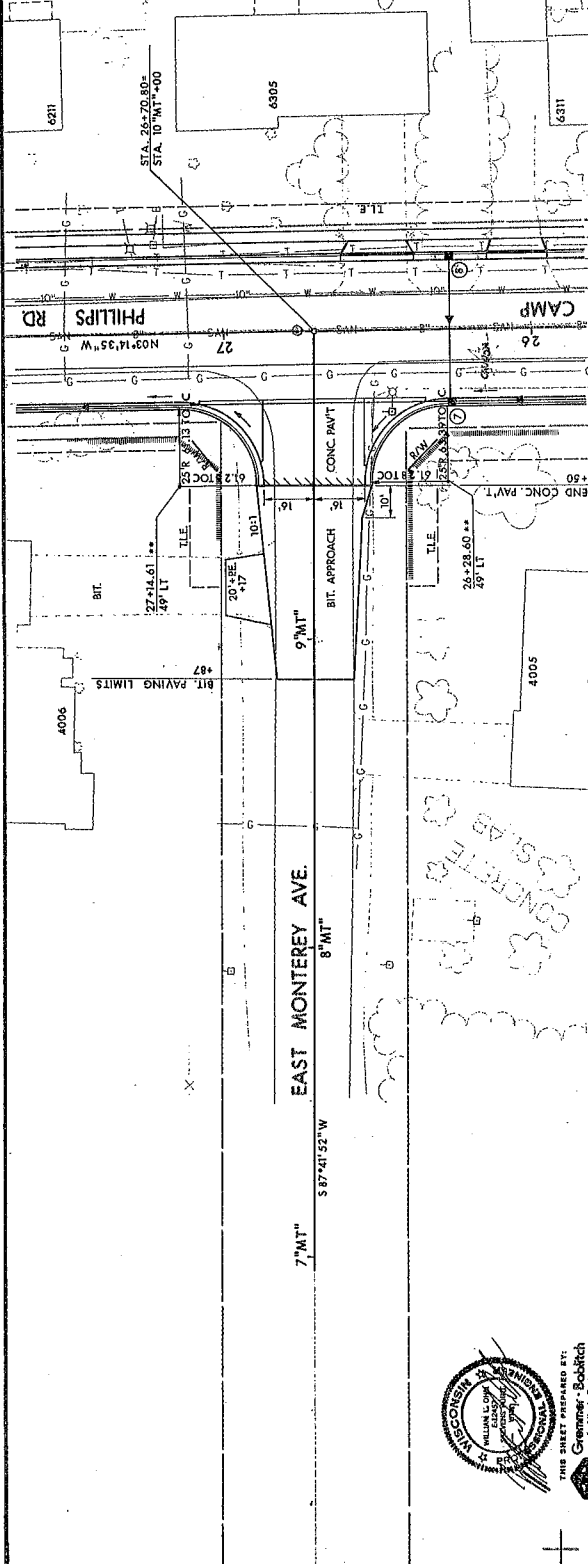
56

STATE PROJECT NUMBER
 1054-07-77

SHEET NO.
 539

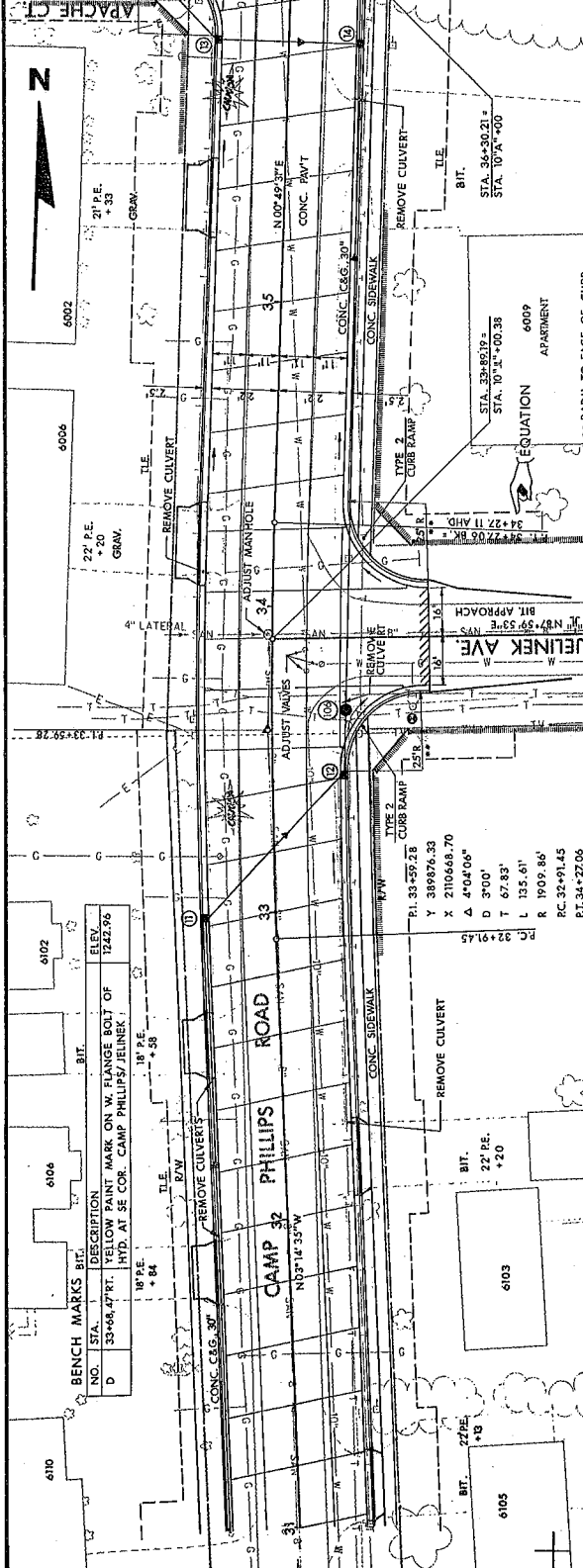
EAST MONTEREY AVENUE

40' 40'



1262	1260	1258	1256	1254	1252	1250	1248	1246	1244	1242	1240	1238	1236	1234	1232	1230	1228	1226	1224	1222	1220	1218	1216	1214	1212	1210	1208	1206	1204	1202	1200	1198	1196	1194	1192	1190	1188	1186	1184	1182	1180	1178	1176	1174	1172	1170	1168	1166	1164	1162	1160	1158	1156	1154	1152	1150	1148	1146	1144	1142	1140	1138	1136	1134	1132	1130	1128	1126	1124	1122	1120	1118	1116	1114	1112	1110	1108	1106	1104	1102	1100	1098	1096	1094	1092	1090	1088	1086	1084	1082	1080	1078	1076	1074	1072	1070	1068	1066	1064	1062	1060	1058	1056	1054	1052	1050	1048	1046	1044	1042	1040	1038	1036	1034	1032	1030	1028	1026	1024	1022	1020	1018	1016	1014	1012	1010	1008	1006	1004	1002	1000	998	996	994	992	990	988	986	984	982	980	978	976	974	972	970	968	966	964	962	960	958	956	954	952	950	948	946	944	942	940	938	936	934	932	930	928	926	924	922	920	918	916	914	912	910	908	906	904	902	900	898	896	894	892	890	888	886	884	882	880	878	876	874	872	870	868	866	864	862	860	858	856	854	852	850	848	846	844	842	840	838	836	834	832	830	828	826	824	822	820	818	816	814	812	810	808	806	804	802	800	798	796	794	792	790	788	786	784	782	780	778	776	774	772	770	768	766	764	762	760	758	756	754	752	750	748	746	744	742	740	738	736	734	732	730	728	726	724	722	720	718	716	714	712	710	708	706	704	702	700	698	696	694	692	690	688	686	684	682	680	678	676	674	672	670	668	666	664	662	660	658	656	654	652	650	648	646	644	642	640	638	636	634	632	630	628	626	624	622	620	618	616	614	612	610	608	606	604	602	600	598	596	594	592	590	588	586	584	582	580	578	576	574	572	570	568	566	564	562	560	558	556	554	552	550	548	546	544	542	540	538	536	534	532	530	528	526	524	522	520	518	516	514	512	510	508	506	504	502	500	498	496	494	492	490	488	486	484	482	480	478	476	474	472	470	468	466	464	462	460	458	456	454	452	450	448	446	444	442	440	438	436	434	432	430	428	426	424	422	420	418	416	414	412	410	408	406	404	402	400	398	396	394	392	390	388	386	384	382	380	378	376	374	372	370	368	366	364	362	360	358	356	354	352	350	348	346	344	342	340	338	336	334	332	330	328	326	324	322	320	318	316	314	312	310	308	306	304	302	300	298	296	294	292	290	288	286	284	282	280	278	276	274	272	270	268	266	264	262	260	258	256	254	252	250	248	246	244	242	240	238	236	234	232	230	228	226	224	222	220	218	216	214	212	210	208	206	204	202	200	198	196	194	192	190	188	186	184	182	180	178	176	174	172	170	168	166	164	162	160	158	156	154	152	150	148	146	144	142	140	138	136	134	132	130	128	126	124	122	120	118	116	114	112	110	108	106	104	102	100	998	996	994	992	990	988	986	984	982	980	978	976	974	972	970	968	966	964	962	960	958	956	954	952	950	948	946	944	942	940	938	936	934	932	930	928	926	924	922	920	918	916	914	912	910	908	906	904	902	900	898	896	894	892	890	888	886	884	882	880	878	876	874	872	870	868	866	864	862	860	858	856	854	852	850	848	846	844	842	840	838	836	834	832	830	828	826	824	822	820	818	816	814	812	810	808	806	804	802	800	798	796	794	792	790	788	786	784	782	780	778	776	774	772	770	768	766	764	762	760	758	756	754	752	750	748	746	744	742	740	738	736	734	732	730	728	726	724	722	720	718	716	714	712	710	708	706	704	702	700	698	696	694	692	690	688	686	684	682	680	678	676	674	672	670	668	666	664	662	660	658	656	654	652	650	648	646	644	642	640	638	636	634	632	630	628	626	624	622	620	618	616	614	612	610	608	606	604	602	600	598	596	594	592	590	588	586	584	582	580	578	576	574	572	570	568	566	564	562	560	558	556	554	552	550	548	546	544	542	540	538	536	534	532	530	528	526	524	522	520	518	516	514	512	510	508	506	504	502	500	498	496	494	492	490	488	486	484	482	480	478	476	474	472	470	468	466	464	462	460	458	456	454	452	450	448	446	444	442	440	438	436	434	432	430	428	426	424	422	420	418	416	414	412	410	408	406	404	402	400	398	396	394	392	390	388	386	384	382	380	378	376	374	372	370	368	366	364	362	360	358	356	354	352	350	348	346	344	342	340	338	336	334	332	330	328	326	324	322	320	318	316	314	312	310	308	306	304	302	300	298	296	294	292	290	288	286	284	282	280	278	276	274	272	270	268	266	264	262	260	258	256	254	252	250	248	246	244	242	240	238	236	234	232	230	228	226	224	222	220	218	216	214	212	210	208	206	204	202	200	198	196	194	192	190	188	186	184	182	180	178	176	174	172	170	168	166	164	162	160	158	156	154	152	150	148	146	144	142	140	138	136	134	132	130	128	126	124	122	120	118	116	114	112	110	108	106	104	102	100	998	996	994	992	990	988	986	984	982	980	978	976	974	972	970	968	966	964	962	960	958	956	954	952	950	948	946	944	942	940	938	936	934	932	930	928	926	924	922	920	918	916	914	912	910	908	906	904	902	900	898	896	894	892	890	888	886	884	882	880	878	876	874	872	870	868	866	864	862	860	858	856	854	852	850	848	846	844	842	840	838	836	834	832	830	828	826	824	822	820	818	816	814	812	810	808	806	804	802	800	798	796	794	792	790	788	786	784	782	780	778	776	774	772	770	768	766	764	762	760	758	756	754	752	750	748	746	744	742	740	738	736	734	732	730	728	726	724	722	720	718	716	714	712	710	708	706	704	702	700	698	696	694	692	690	688	686	684	682	680	678	676	674	672	670	668	666	664	662	660	658	656	654	652	650	648	646	644	642	640	638	636	634	632	630	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SHEET NO. 540
STATE PROJECT NUMBER 1054-07-77
CAMP PHILLIPS ROAD

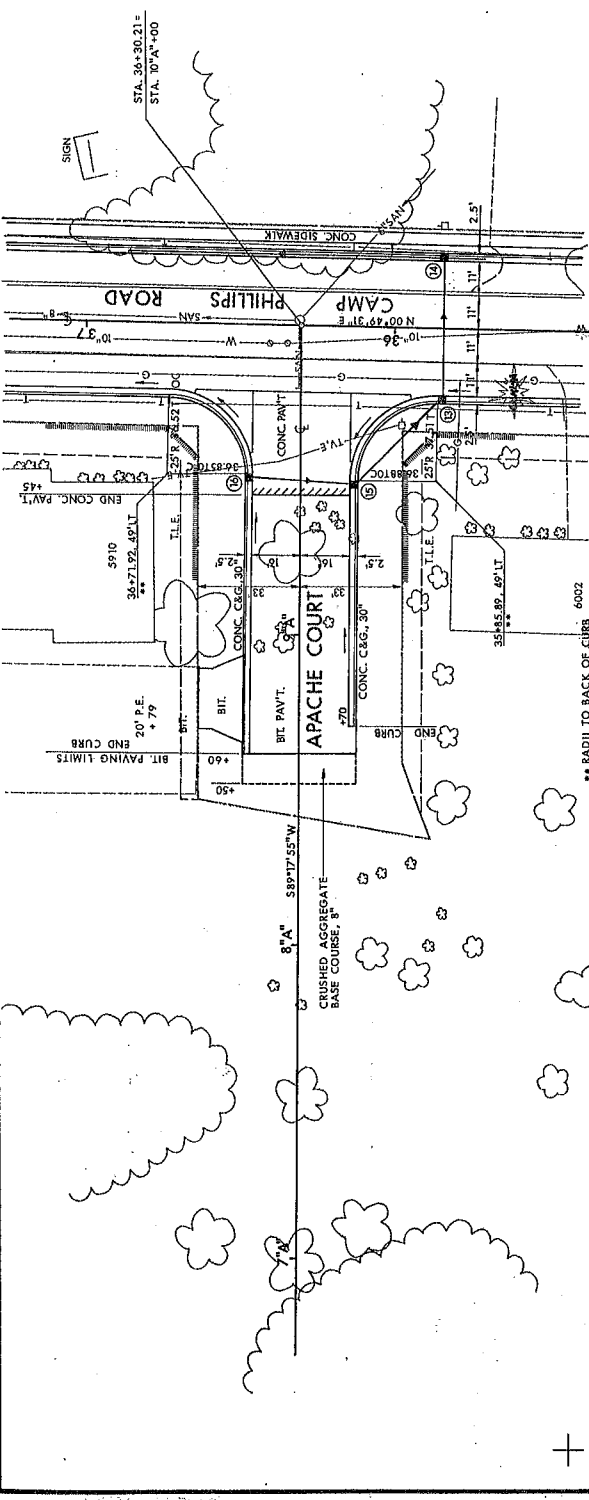


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1250	30.22	36.25	32.36	37.25	36.91	11.40
1248	30.17	36.17	32.18	37.47	36.93	0
1246	30.17	36.17	32.18	37.47	36.93	0
1244	30.17	36.17	32.18	37.47	36.93	0
1242	30.17	36.17	32.18	37.47	36.93	0
22' LT	30.17	36.17	32.18	37.47	36.93	12.40
11' LT	30.17	36.17	32.18	37.47	36.93	12.38
0	30.17	36.17	32.18	37.47	36.93	12.36
11' RT	30.17	36.17	32.18	37.47	36.93	12.36
22' RT	30.17	36.17	32.18	37.47	36.93	12.36
31	30.17	36.17	32.18	37.47	36.93	5.40
32	30.17	36.17	32.18	37.47	36.93	5.40
33	30.17	36.17	32.18	37.47	36.93	5.40
34	30.17	36.17	32.18	37.47	36.93	5.40
35	30.17	36.17	32.18	37.47	36.93	5.40
36	30.17	36.17	32.18	37.47	36.93	5.40
37	30.17	36.17	32.18	37.47	36.93	5.40





THIS SHEET PREPARED BY:
Greninger & Bobbitch
 Madison, Wisconsin



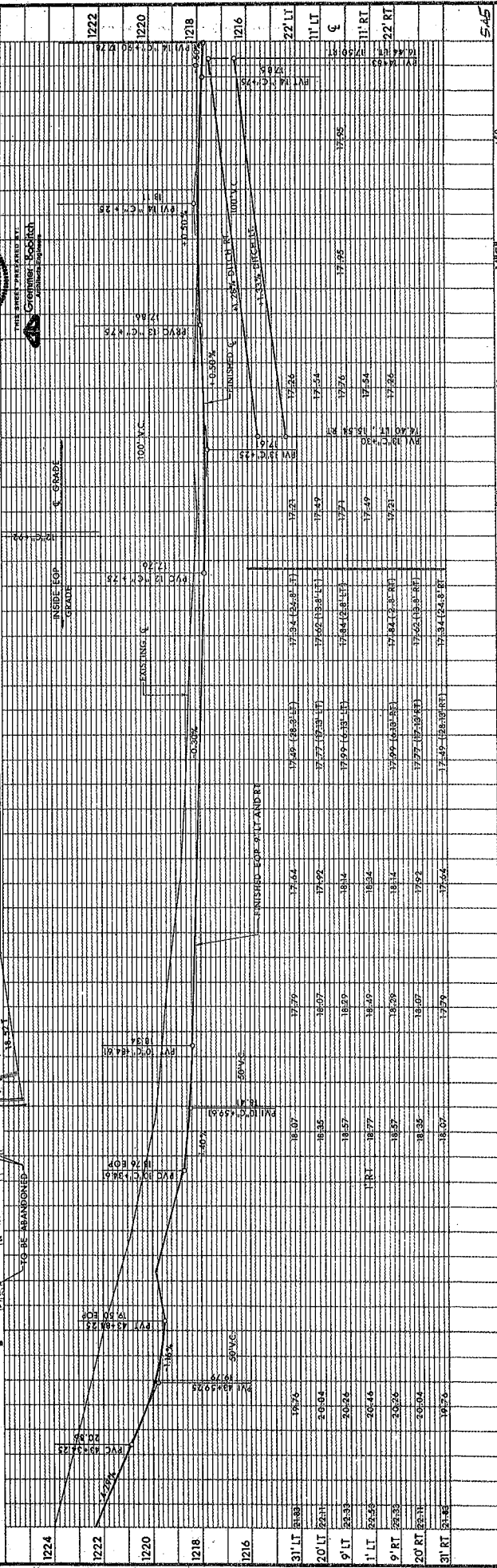
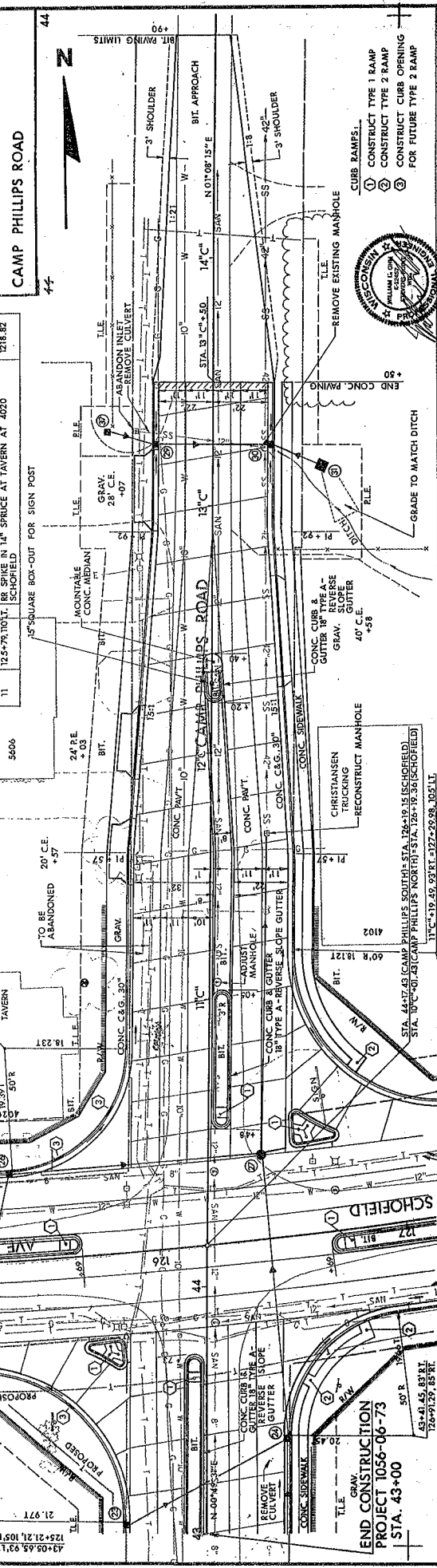
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BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
11	125+79.10(T)	88 SPIKE IN 14" SPRUCE AT TAVERN AT 4020 SCHOFFIELD	1218.82

END CONSTRUCTION PROJECT 1056-06-73 STA. 43+00

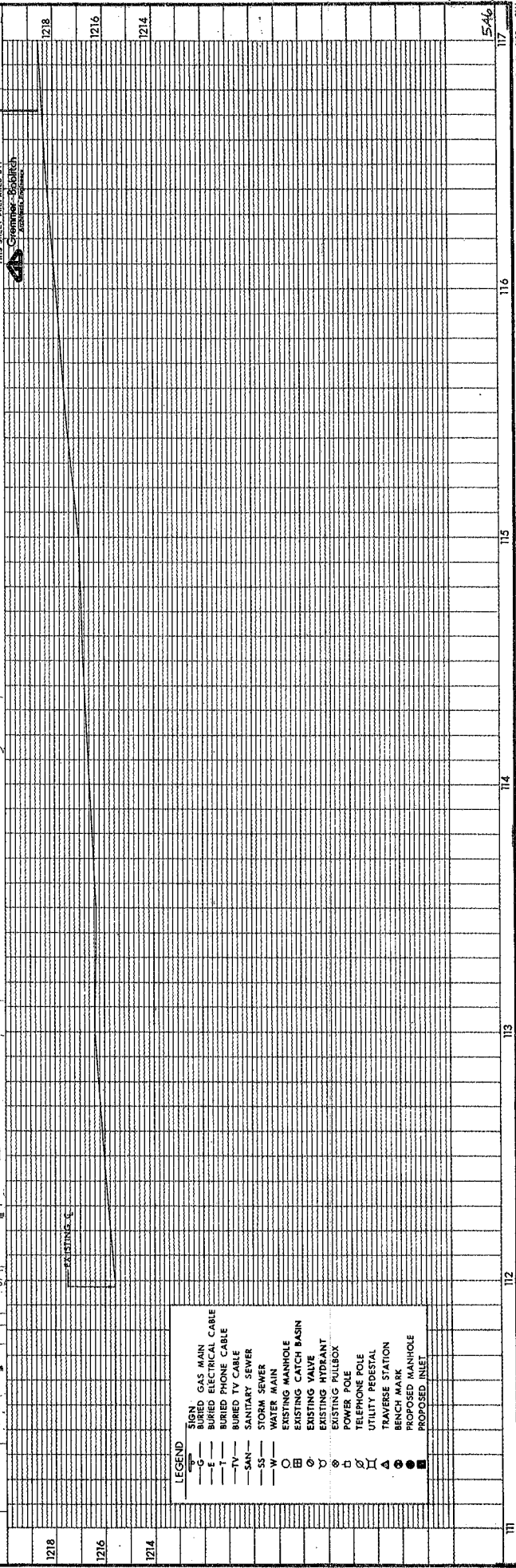
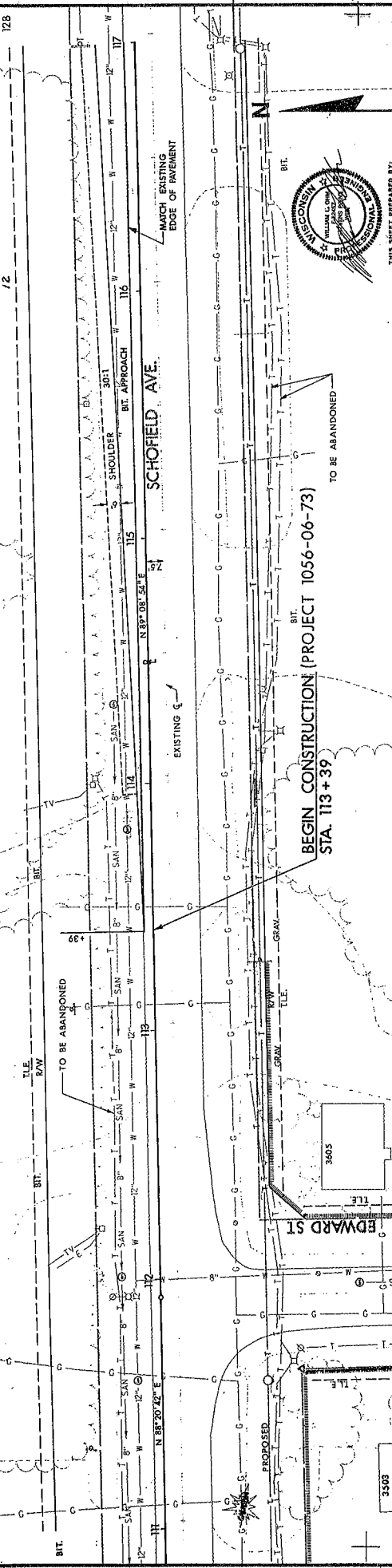
NO.	STA.	DESCRIPTION	ELEV.
11	125+79.10(T)	88 SPIKE IN 14" SPRUCE AT TAVERN AT 4020 SCHOFFIELD	1218.82



STATE PROJECT NUMBER	1056-06-73
SHEET NO.	546
SCHOFIELD AVENUE	

72	128
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BENCH MARK		
NO.	STA.	DESCRIPTION
58	111+61.56 RT.	TOR OF 2" IRON PIPE AT SW CORNER SCHOFIELD/EDWARD
		ELEV. 1214.70



THIS SHEET PREPARED BY:
Geometric Services
 A General Engineering Firm

WISCONSIN PROFESSIONAL ENGINEERING BOARD
 WILLIAM L. O'NEILL
 LICENSE NO. 10000

TO BE ABANDONED

BEGIN CONSTRUCTION (PROJECT 1056-06-73)
 STA. 113+39

TO BE ABANDONED

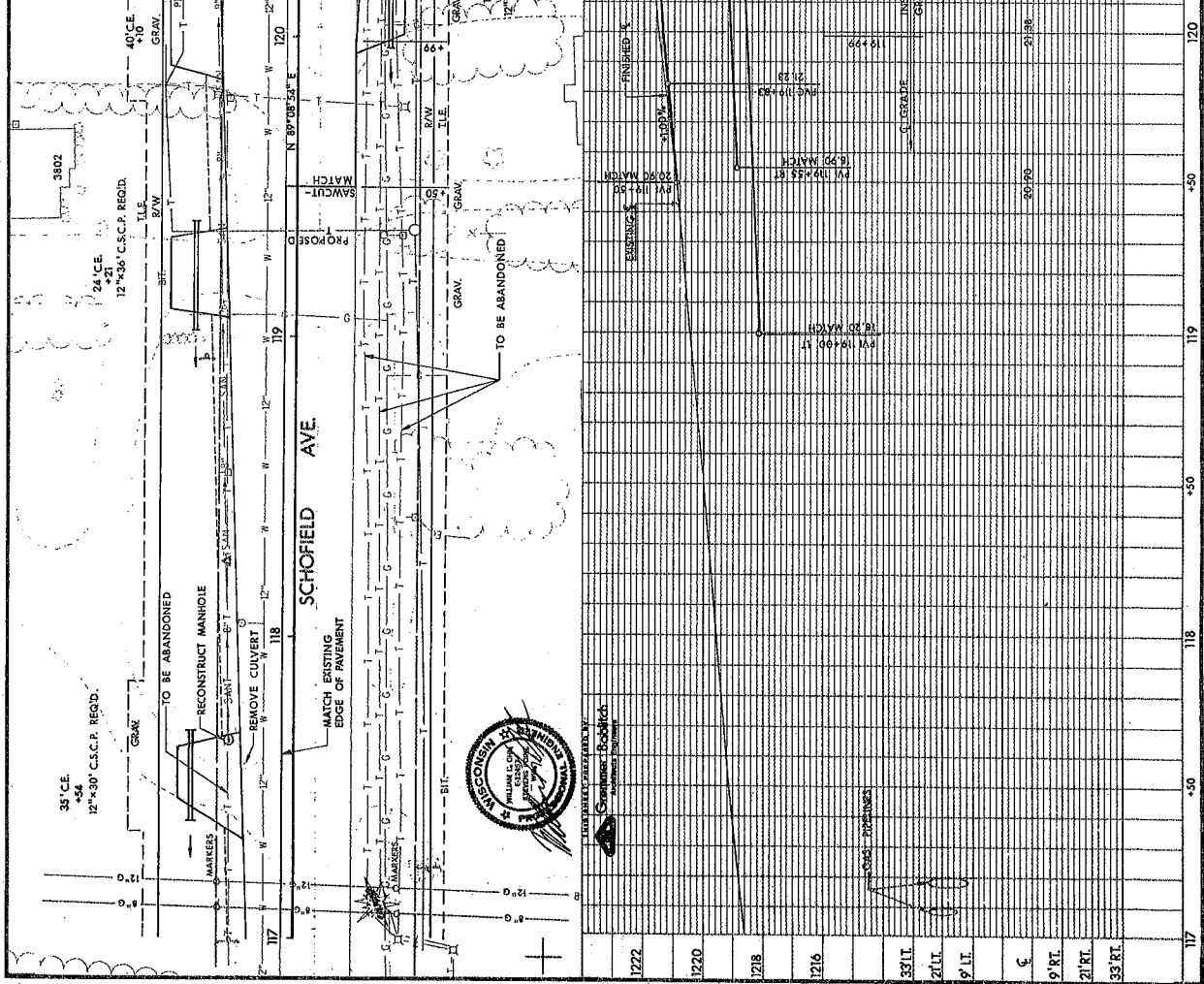
LEGEND

—	SIGN
—	GAS MAIN
—	BURIED ELECTRICAL CABLE
—	BURIED PHONE CABLE
—	BURIED TV CABLE
—	SANITARY SEWER
—	STORM SEWER
—	WATER MAIN
—	EXISTING MANHOLE
—	EXISTING CATCH BASIN
—	EXISTING VALVE
—	EXISTING HYDRANT
—	EXISTING FIRE ALARM
—	POWER POLE
—	UTILITY PEDESTAL
—	TRANSVERSE STATION
—	BENCH MARK
—	PROPOSED MANHOLE
—	PROPOSED INLET

SCHOFIELD AVENUE

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
10	121+43.64 RT.	R.R. SPIKE IN 40" E.M. AT 3907 SCHOFIELD	1223.91



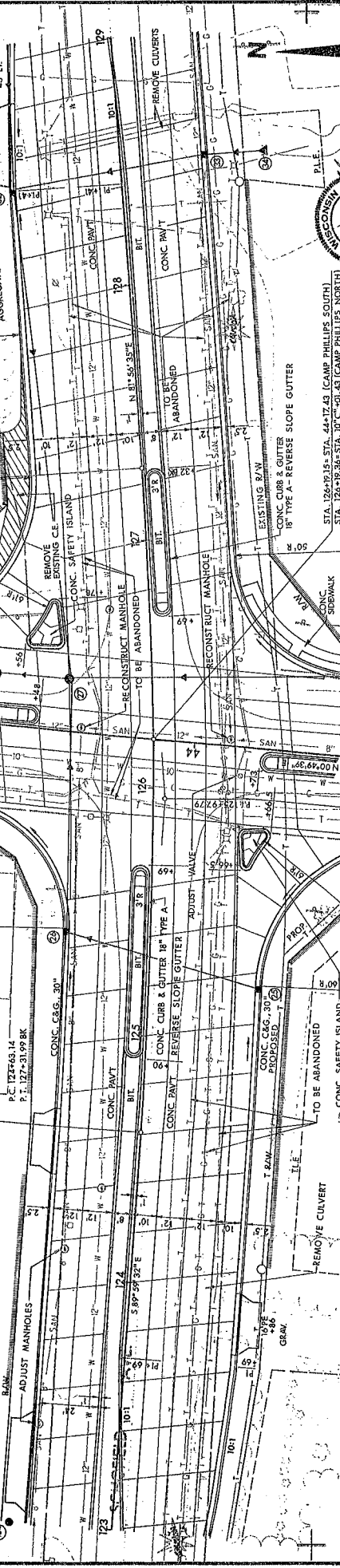
STATION	DESCRIPTION	ELEVATION
1222	GRAV. 12" x 20" C.S.C.P. REQ'D.	
1220	GRAV. 12" x 20" C.S.C.P. REQ'D.	
1218	GRAV. 12" x 20" C.S.C.P. REQ'D.	
1216	GRAV. 12" x 20" C.S.C.P. REQ'D.	
33 LT.	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)
21 LT.	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)
9 LT.	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)
5	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)
9 RT.	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)
21 RT.	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)
33 RT.	FINISHED EOP 5' W. FINISHED EOP 5' W.	2094.16 (201' L)

BENCH MARKS

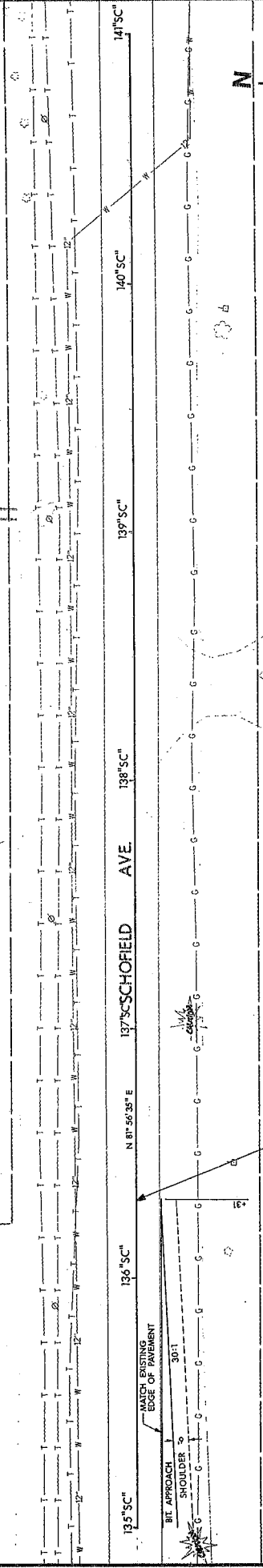
NO.	STA.	DESCRIPTION	ELEV.
1	123+79.10	14" SPRUCE AT TAMERN AT 4020 SCHOFIELD	1218.82

40" CE
 + 2.4
 CRAY

20" CE
 + 5.1
 BIT



STATION	1222	1220	1218	1216	43' LT	33' LT	21' LT	9' LT	9' RT	21' RT	33' RT	43' RT	54' RT
1222	1222	1220	1218	1216	1214	1212	1210	1208	1206	1204	1202	1200	1198
1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220
1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218
1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216
43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT	43' LT
33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT	33' LT
21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT	21' LT
9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT	9' LT
9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT	9' RT
21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT	21' RT
33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT	33' RT
43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT	43' RT
54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT	54' RT



END CONSTRUCTION (PROJECT 1056-06-73)
 STA. 136.50" + 31.

