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TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LINCOLN STREET, VILLAGE OF ELKHART LAKE

(INDUSTRIAL DRIVE - NORTH CORPORATE LIMITS)

S.T.H. 67

SHEBOYGAN COUNTY

STATE PROJECT NUMBER
4532-07-71,21



DESIGN DESIGNATION

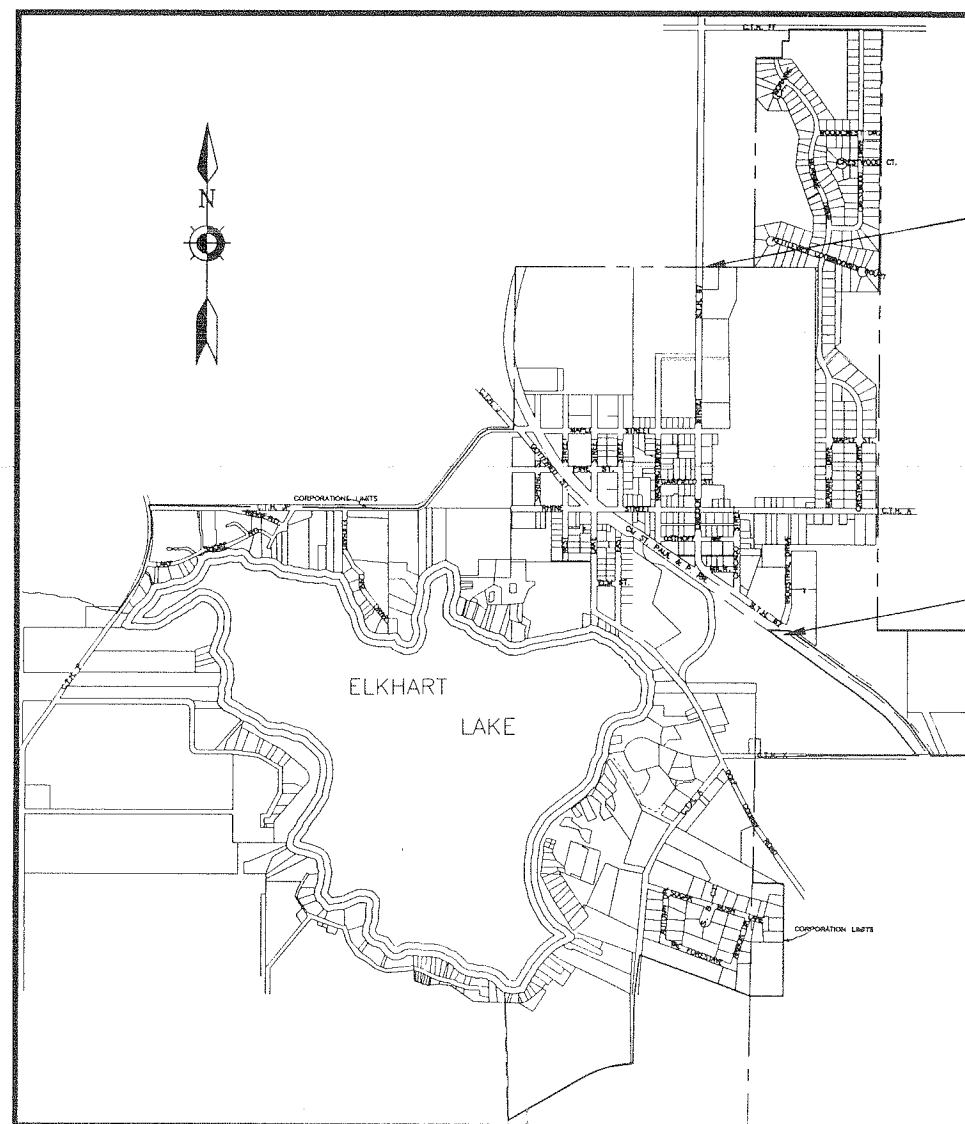
A.D.T. (1996)	=	3150-3475
A.D.T. (2016)	=	3800-4225
D.H.V. (2016)	=	483-537
D.	=	60-40%
T.	=	10%
DESIGN SPEED	=	60 km/h
ESALS	=	134,000

CONVENTIONAL SYMBOLS

COUNTY LINE	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SURVEY LINE	
SLOPE INTERCEPT	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
CULVERT (Profile View)	

COMBUSTIBLE FLUIDS	
UNDERGROUND UTILITIES	
GAS	
ELECTRIC	
TELEPHONE OR TELEGRAPH	
SERVICE PEDESTAL	
CABLE MARKER	
POWER POLE	
TELEPHONE POLE	
RAILROAD	
MARSH AREA	
WOODED OR SHRUB AREA	
STEEL PLATE BEAM GUARD	

T-16-N



END PROJECT
STA. 10+972.80

BEGIN PROJECT
STA. 9+601.20
X = 150453.682 (± 1000)
Y = 205155.163 (± 1000)

R-21-E

LAYOUT

SCALE 0 0.25 km

TOTAL NET LENGTH OF CENTERLINE = 1.372 km (URBAN)

COORDINATES ON THIS PLAN ARE REFERENCED TO
THE WISCONSIN COORDINATE SYSTEM, SOUTH ZONE.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4532-07-71,21		

ACCEPTED FOR
VILLAGE of ELKHART LAKE

18 Jan 1996
(Date)

Prasad S. Narayan
(Signature) Title of Official

ORIGINAL PLANS PREPARED BY
K&A KAPUR & ASSOCIATES
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN



1/26/96
(Date)

Prasad Narayan
(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor DOT/Kapur & Assoc., Inc.
Designer Kapur & Assoc., Inc.
District Examiner _____
Proj. Dev. Supervisor STEVEN C. NO
Proj. Dev. Engineer _____
C. O. Examiner _____

APPROVED FOR DISTRICT OFFICE

DATE: _____
(Signature)

APPROVED FOR CENTRAL OFFICE DESIGN

DATE: _____
(Signature)

SHEET NO: 4.0

M

PLOT DATE & TIME: 01/24/96 Time 14:11 DIMSCALE 1"=20' PLOT SCALE: 1"=1'

DATE & TIME LAST EDIT: 01/13/96 Time 11:24

FILENAME: \STH67\67ELKMET\67DCT2

UTILITIES

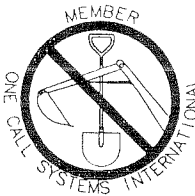
WISCONSIN PUBLIC SERVICE
700 N. ADAMS STREET
P.O. BOX 19001
GREEN BAY, WI 54307-9001
ATTN: REAL ESTATE DEPARTMENT
STEVE DeMERRITT
(414) 433-1716

WARNER CABLE COMMUNICATIONS
407 E. MILL STREET
PLYMOUTH, WI 53073
ATTN: CHUCK TURLEY
(414) 892-2502

GTE
107 PRESENT VIEW DRIVE
PLYMOUTH, WI 53073
ATTN: RICHARD DUCKETT
(414) 893-7434

VILLAGE OF ELKHART LAKE
DIRECTOR OF PUBLIC WORKS
P.O. BOX 143
ELKHART LAKE, WI 53020
ATTN: CLIFFORD CONRAD
(414) 876-2231

WISCONSIN ELECTRIC POWER CO.
P.O. BOX 1699
APPLETON, WI 54913
ATTN: JIM JACOBS
(414) 735-8445



TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2300 N MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
ATTN: VIC PAPPAS
(414) 263-8648

INDEX OF TYPICAL SECTIONS AND DETAIL SHEETS

TITLE	SHEET NO.
GENERAL NOTES, UTILITIES, S.D.D.	2.
TYPICAL SECTIONS	2.
CONSTRUCTION DETAILS	2.
STORM SEWER	2.

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE LOCATIONS OF UTILITIES, AS NOTED ON THE PLANS ARE APPROXIMATE, THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

WHEN THE QUANTITY OF ITEMS OF BASE OR SURFACE COURSE IS MEASURED BY THE Mg, 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.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR FROM THE GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL.

CONCRETE CURB & GUTTER JOINT SPACING SHALL BE 6 METERS UNLESS AUTHORIZED BY THE ENGINEER.

CONCRETE CURB & GUTTER GRADES ARE TO THE FLANGE, UNLESS OTHERWISE NOTED.

CONCRETE CURB & GUTTER RADII ARE TO THE FACE.

AT THE BEGINNING OF EACH DAY'S POUR, AND AT THE END OF THE JOB, THE CONTRACTOR SHALL STAMP INTO THE CONCRETE SIDEWALK, IN TWO INCH LETTERS, HIS NAME AND THE YEAR OF CONSTRUCTION.

THE 140 mm ASPHALTIC CONCRETE PAVEMENT SHALL CONSIST OF A 40 mm SURFACE COURSE AND TWO 50mm BINDER COURSES OF ASPHALTIC CONCRETE PAVEMENT, TYPE MV.

STATION/OFFSETS OF STORM SEWER STRUCTURES ARE TO THE CENTER OF MANHOLES AND CURB FLOWLINE OF INLETS.

STORM SEWER PIPE LENGTHS GIVEN ARE APPROXIMATE OUT TO OUT OF STRUCTURE.

ALL PIPING FOR STORM SEWER INLETS SHALL BE 300 mm R.C.P., CLASS III, STORM SEWER AT A MINIMUM SLOPE OF 1% UNLESS OTHERWISE SHOWN OR NOTED.

INLET GRATE ELEVATIONS ARE GIVEN AT THE FLOW LINE OF INLET COVER. MANHOLE RIM ELEVATIONS ARE GIVEN AT CENTER OF MANHOLE COVER.

SILT FENCE SHALL MEET REQUIREMENTS FOR SILTY SOIL.

FILL AS SHOWN ON THE PLANS PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNCLASSIFIED EXCAVATION. THE ALLOWANCE USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 25%.

ASPHALTIC MATERIAL FOR TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.12 LITERS PER SQUARE METER AND SHALL BE PLACED BETWEEN ALL LAYERS OF ASPHALTIC PAVEMENT.

TOPSOIL, FERTILIZE AND SOD ALL AREAS DISTURBED BY CONSTRUCTION, EXCLUSIVE OF ROADWAY CONSTRUCTION.

ALL DRIVE APRONS SHALL BE 150 mm CONCRETE.

SIDE ROADS SHALL BE PAVED TO THE SAME THICKNESS AS THE MAINLINE.

CENTERLINE PAVEMENT MARKING FOR THE ENTIRE LENGTH OF THE PROJECT SHALL BE 100mm, EPOXY, DOUBLE YELLOW LOCATED ALONG THE REFERENCE LINE OF STH 67.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS-SECTIONS. EBS SHALL BE MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

STANDARD DETAIL DRAWINGS

8A5-11a	INLET COVERS
8A5-11d	INLET AND MANHOLE COVERS
8B6-3	MANHOLES, TYPES 1
8B7-3	MANHOLES, TYPES 2&3
8C1-5	INLETS, TYPES 1, 2, 3, & 4
8D1-11	CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES
8D5-8	CURB RAMPS
8E9-4	SILT FENCE
8F1-11	APRON ENDWALLS FOR CULVERT PIPE
8F2-1	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
15C2-3	BARRICADES AND SIGNS FOR ROAD CLOSURES
15C8-7a	PAVEMENT MARKING (MAINLINE)
15C8-7d	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

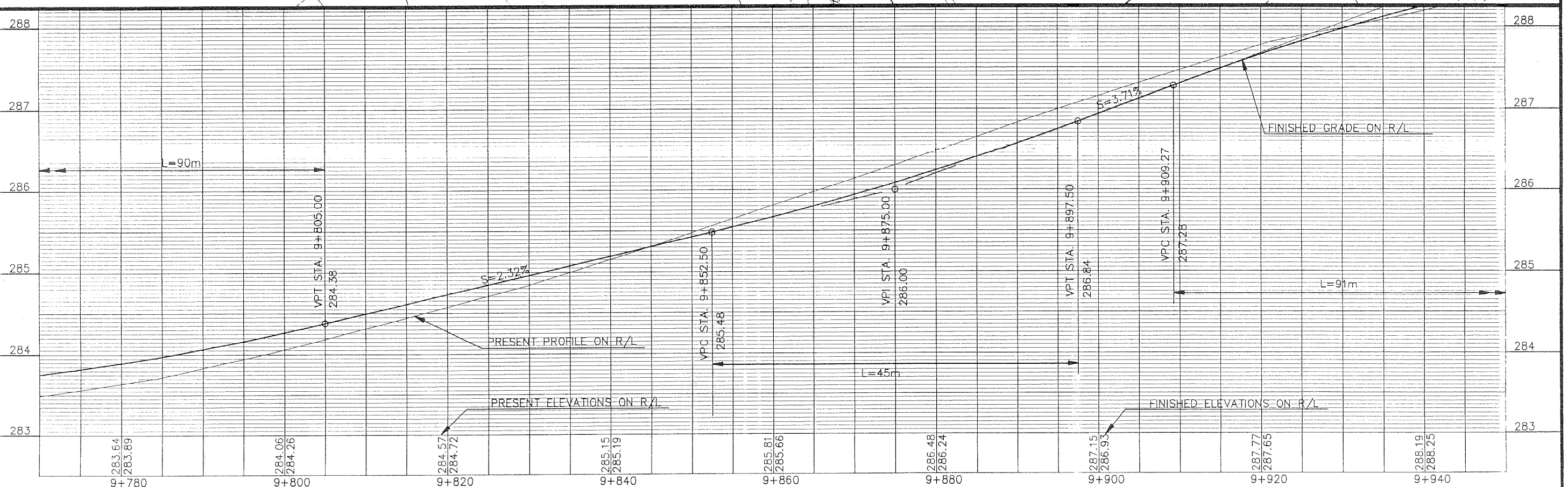
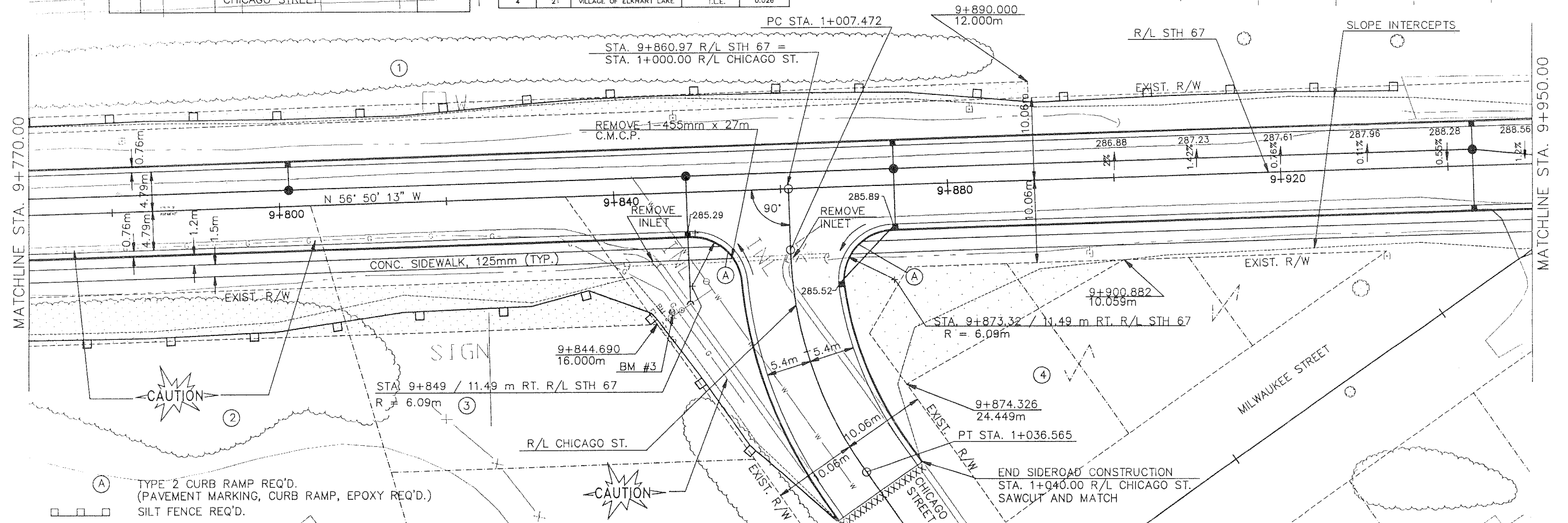
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (%)			SLOPE RANGE (%)			SLOPE RANGE (%)			SLOPE RANGE (%)		
LAND USE:	0-2	2-6	6&OVER	0-2	2-6	6&OVER	0-2	2-6	6&OVER	0-2	2-6	6&OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE-TURF			.25			.27			.28			.30
			.32			.34			.36			.38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

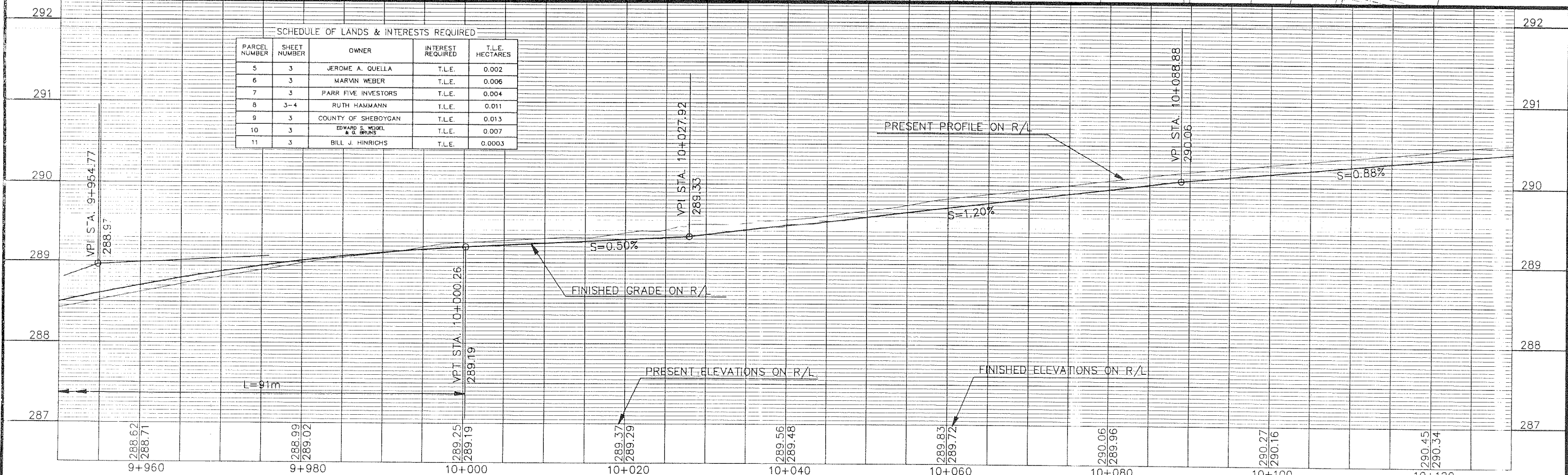
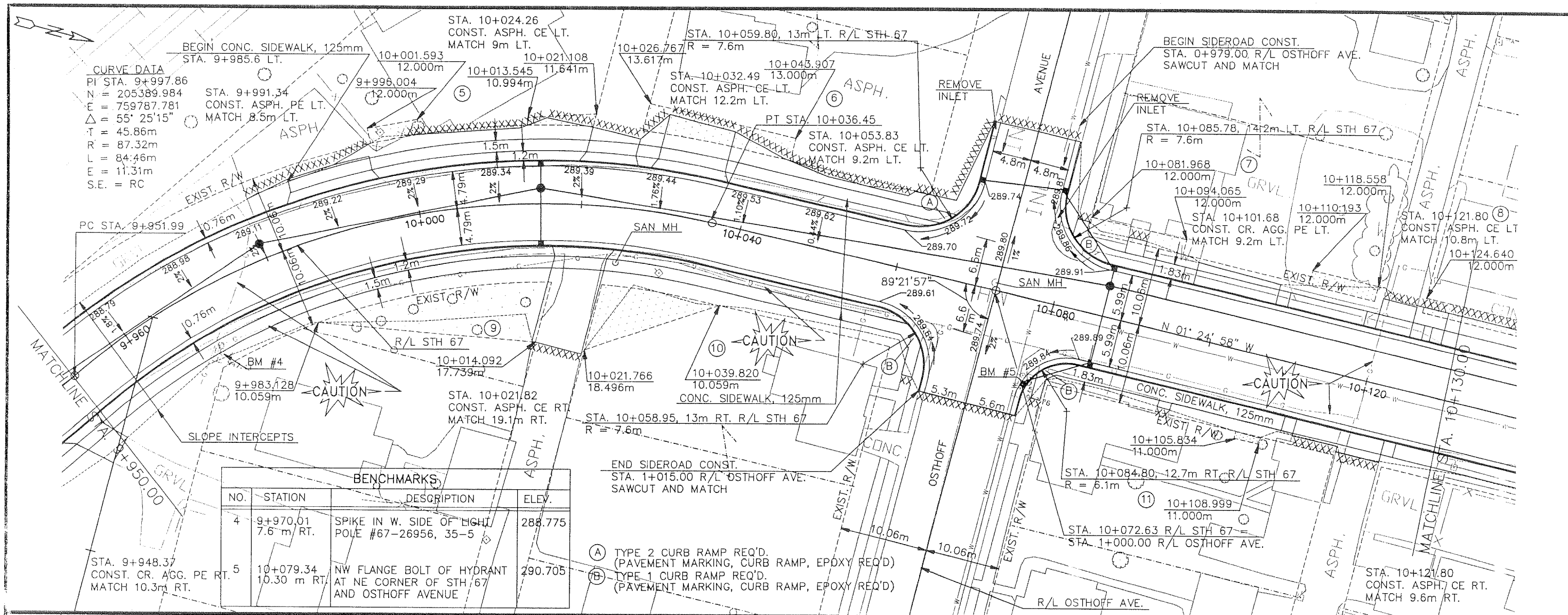
TOTAL PROJECT AREA = 7 HECTARES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.5 HECTARES

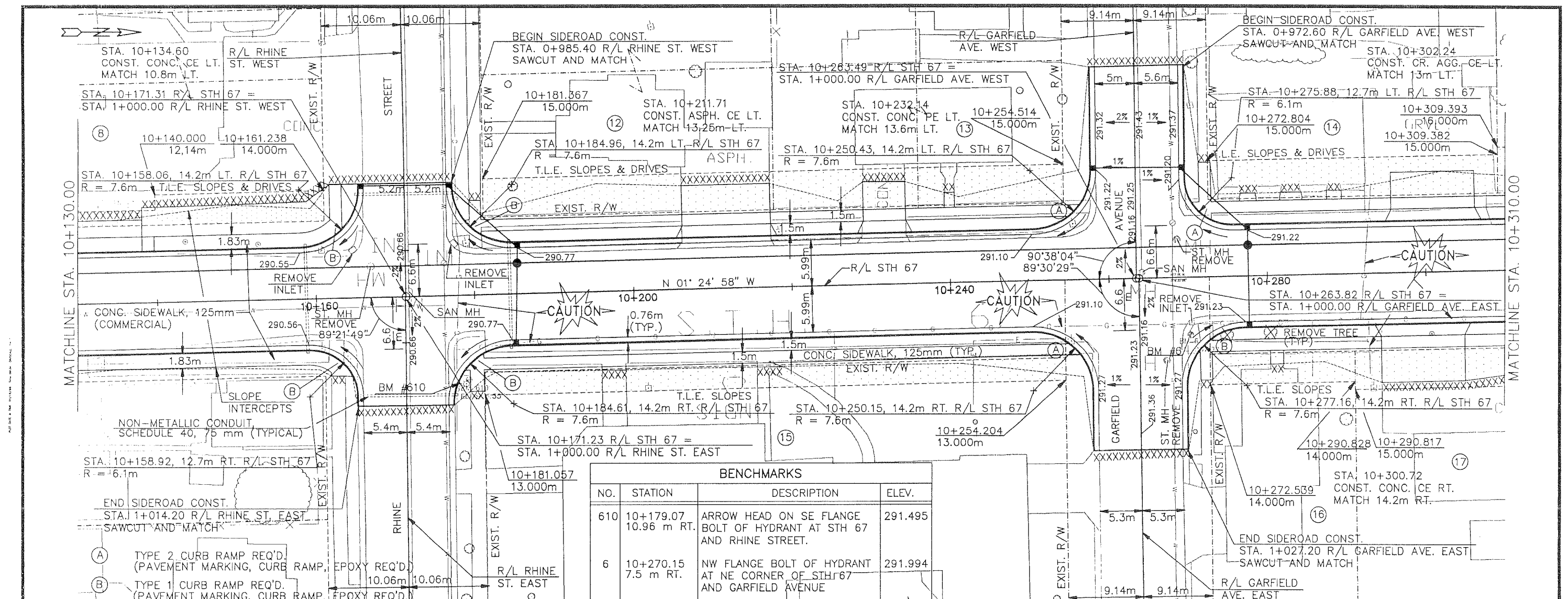
BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
3	9+846.53 14.56 m RT.	NW FLANGE BOLT OF HYDRANT AT SE CORNER OF STH 67 AND CHICAGO STREET	285.727

SCHEDULE OF LANDS & INTERESTS REQUIRED				
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	T.L.E. HECTARES
1	1-2	WISCONSIN CENTRAL RAILROAD	T.L.E.	0.052
2	1-2	ROBERT H. MUELLER	T.L.E.	0.085
3	2	MARK KRAMER	T.L.E.	0.021
4	2	VILLAGE OF ELKHART LAKE	T.L.E.	0.026



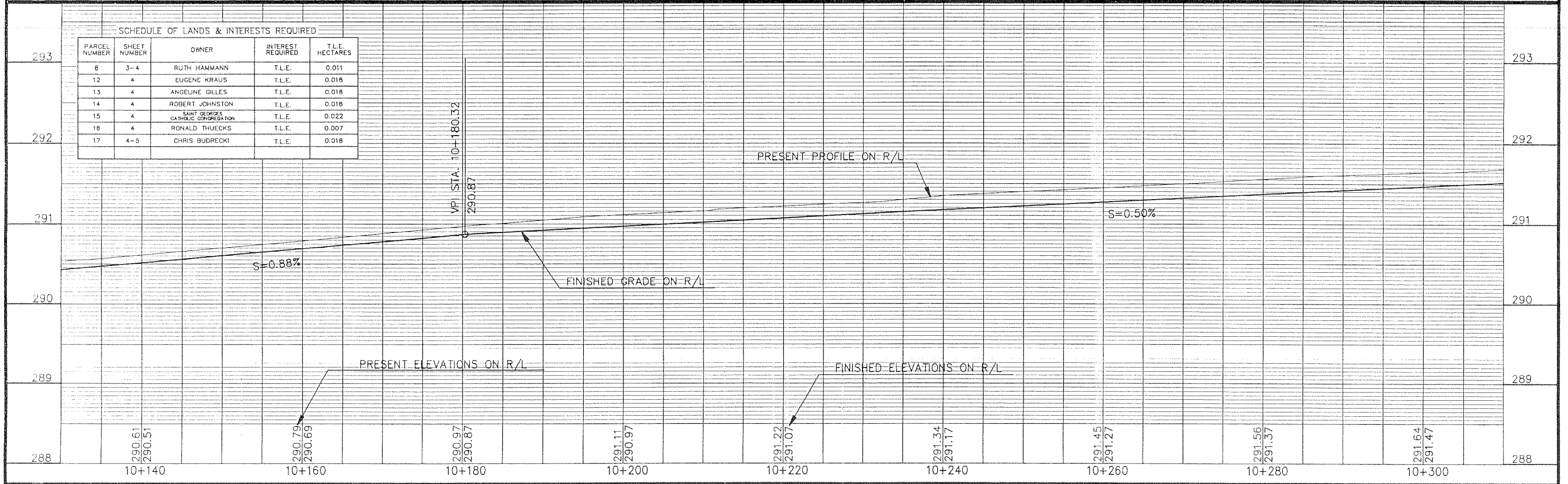
PLAN AND PROFILE - STA. 9+770.00 TO 9+950.00 SCALE: 1:250 HWY: STH 67 COUNTY: SHEBOYGAN STATE PROJECT NO: 4532-07-71,21 SHEET NO: 4.3 M

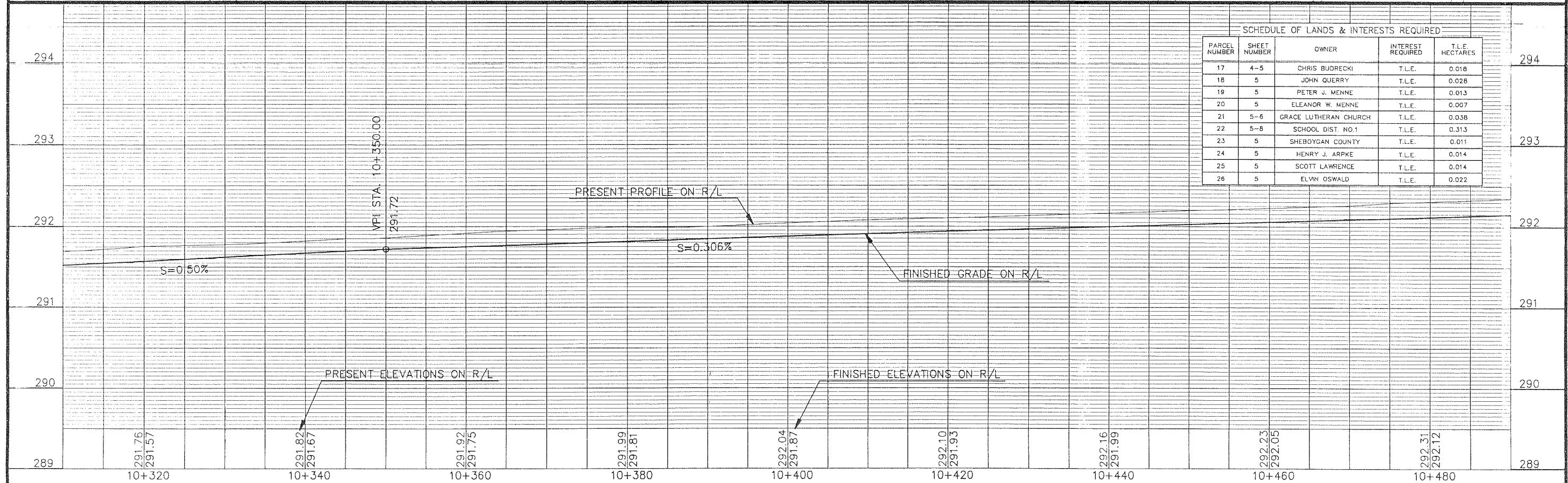
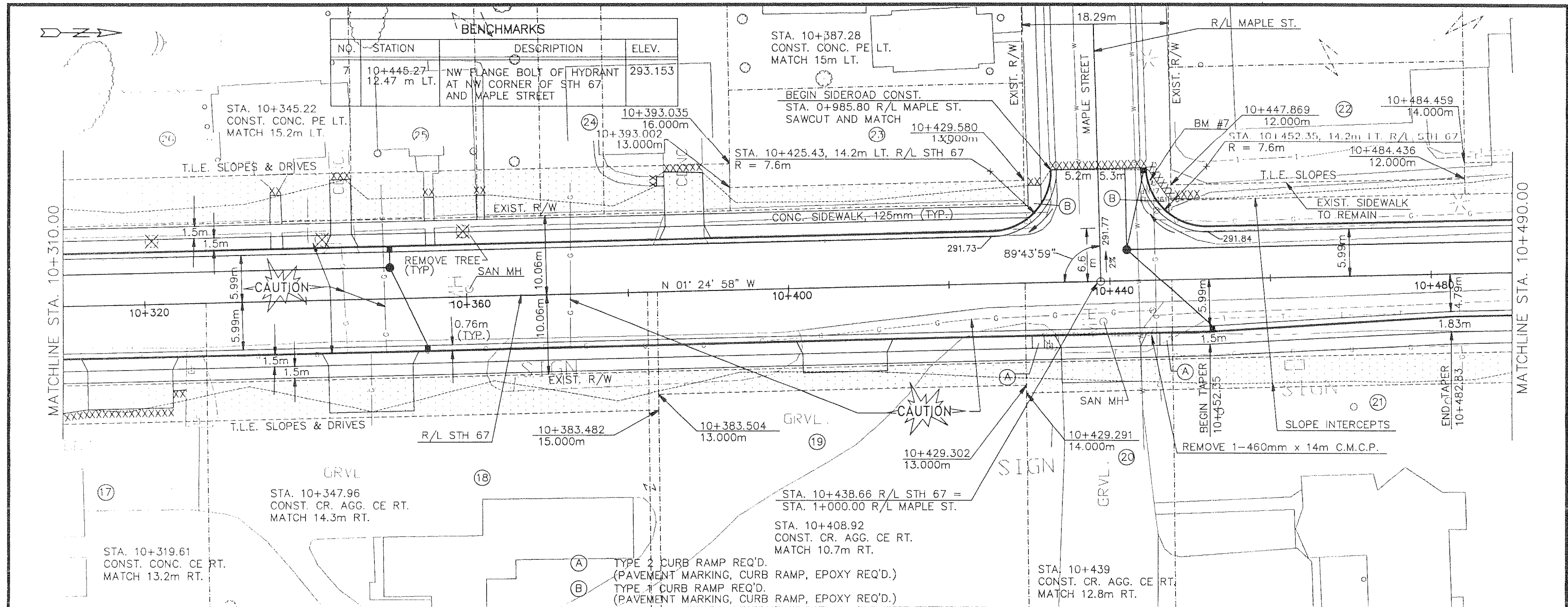




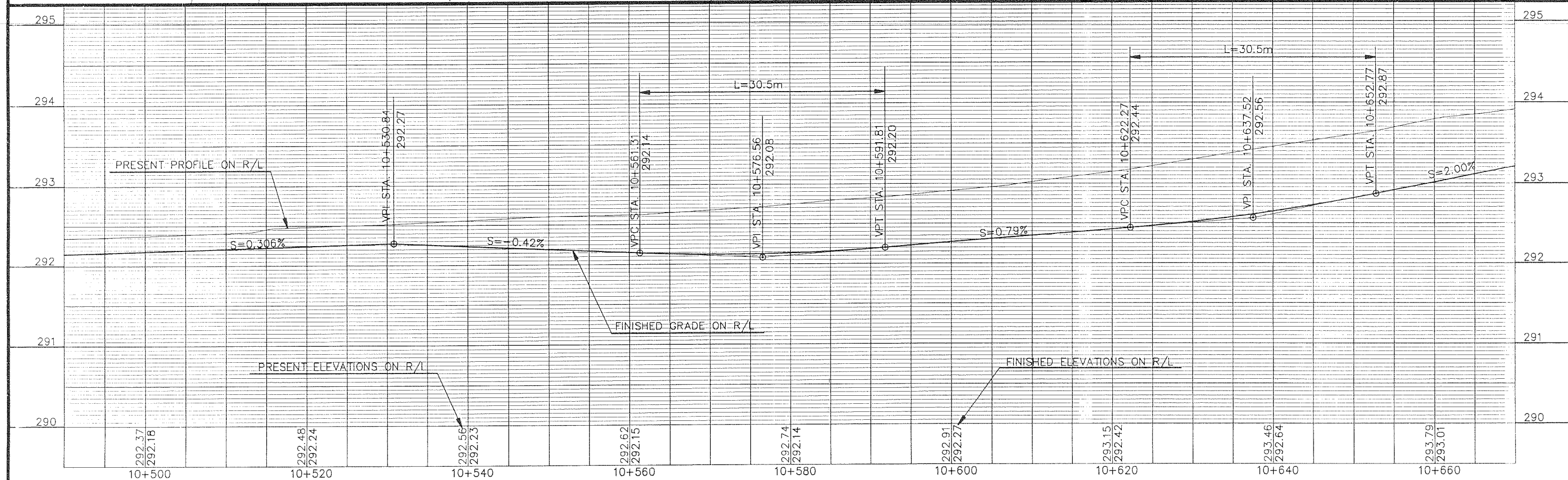
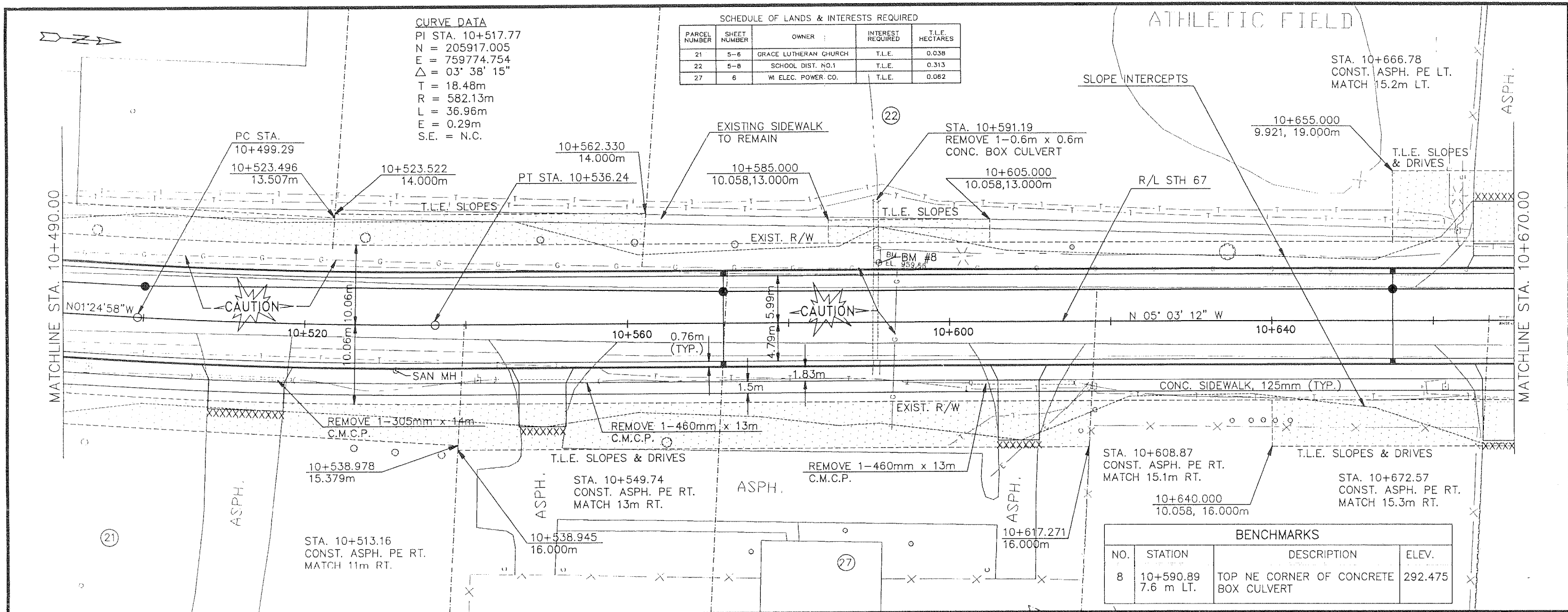
BENCHMARKS				
NO.	STATION	DESCRIPTION	ELEV.	
610	10+179.07 10.96 m RT.	ARROW HEAD ON SE FLANGE BOLT OF HYDRANT AT STH 67 AND RHINE STREET.	291.495	
6	10+270.15 7.5 m RT.	NW FLANGE BOLT OF HYDRANT AT NE CORNER OF STH 67 AND GARFIELD AVENUE	291.994	

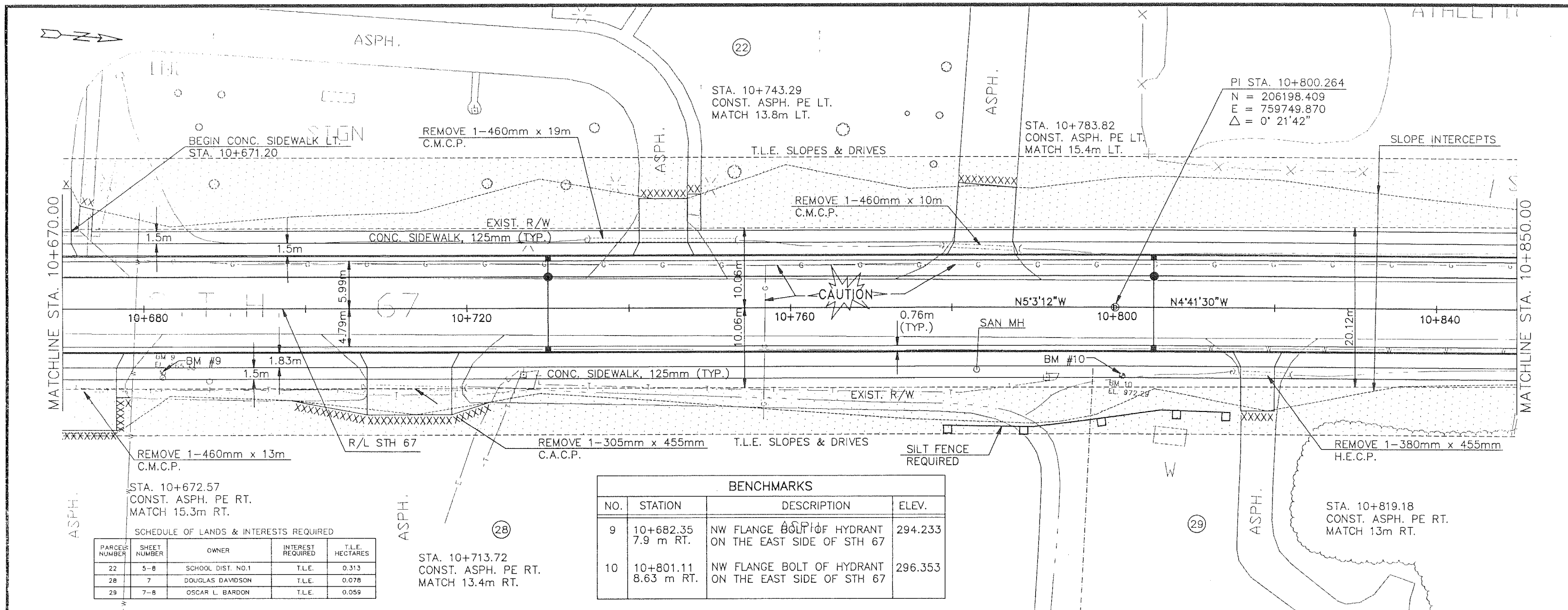
SCHEDULE OF LANDS & INTERESTS REQUIRED				
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	T.L.E. HECTARES
8	3-4	RUTH HAMMANN	T.L.E.	0.011
12	4	EUGENE KRAUS	T.L.E.	0.018
13	4	ANGELINE GILLES	T.L.E.	0.018
14	4	ROBERT JOHNSTON	T.L.E.	0.018
15	4	SAINT GEORGES CATHOLIC CONGREGATION	T.L.E.	0.022
16	4	RONALD THUECKS	T.L.E.	0.007
17	4-5	CHRIS BUDRECKI	T.L.E.	0.018





SCHEDULE OF LANDS & INTERESTS REQUIRED				
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	T.E. HECTARES
17	4-5	CHRIS BUDRECKI	T.E.	0.018
18	5	JOHN QUERRY	T.E.	0.028
19	5	PETER J. MENNE	T.E.	0.013
20	5	ELEANOR W. MENNE	T.E.	0.007
21	5-6	GRACE LUTHERAN CHURCH	T.E.	0.038
22	5-8	SCHOOL DIST. NO.1	T.E.	0.313
23	5	SHEBOYGAN COUNTY	T.E.	0.011
24	5	HENRY J. ARPKE	T.E.	0.014
25	5	SCOTT LAWRENCE	T.E.	0.014
26	5	ELVIN OSWALD	T.E.	0.022



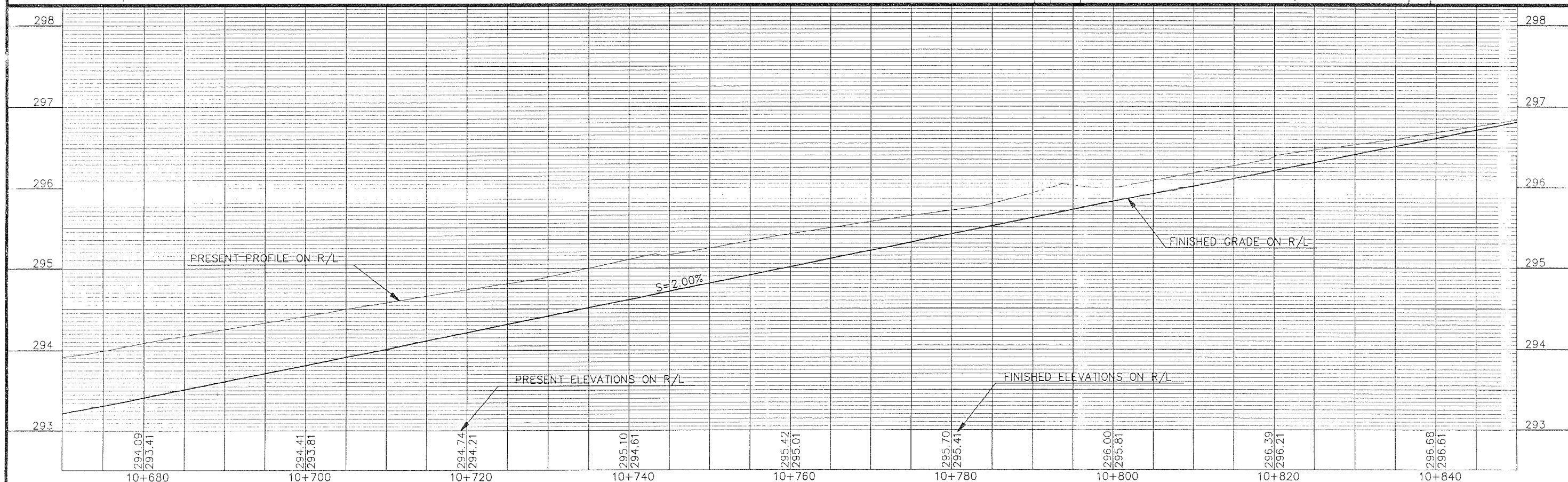


SCHEDULE OF LANDS & INTERESTS REQUIRED

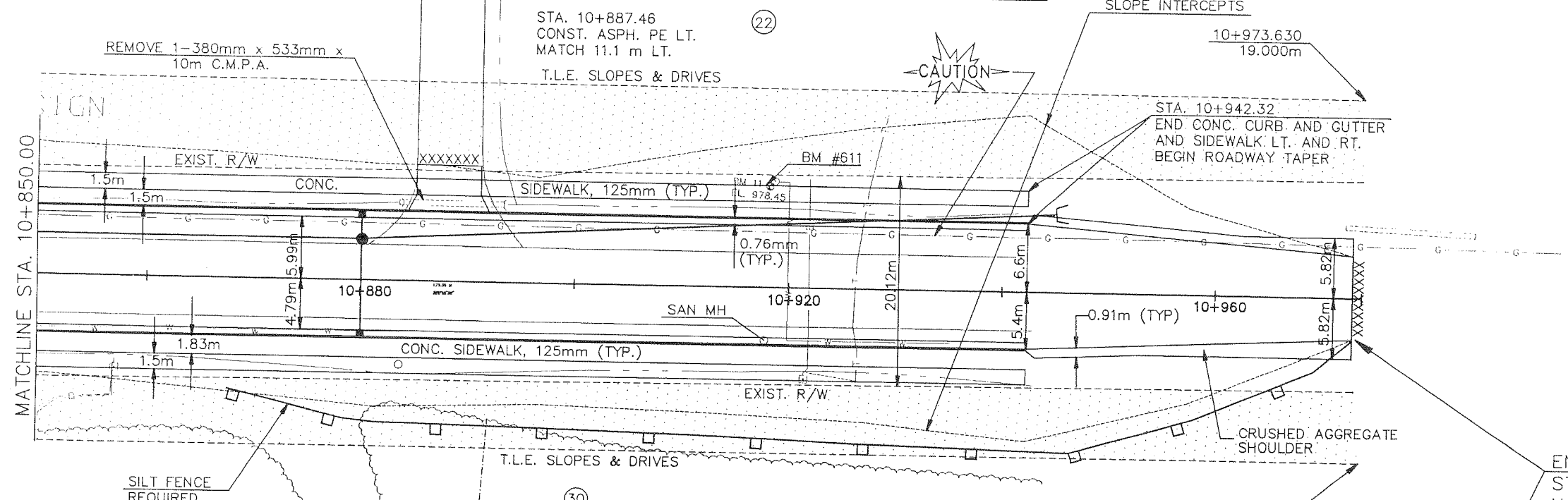
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	T.L.E. HECTARES
22	5-8	SCHOOL DIST. NO.1	T.L.E.	0.313
28	7	DOUGLAS DAVIDSON	T.L.E.	0.078
29	7-8	OSCAR L. BARDON	T.L.E.	0.059

BENCHMARKS

NO.	STATION	DESCRIPTION	ELEV.
9	10+682.35 7.9 m RT.	NW FLANGE BOLT OF HYDRANT ON THE EAST SIDE OF STH 67	294.233
10	10+801.11 8.63 m RT.	NW FLANGE BOLT OF HYDRANT ON THE EAST SIDE OF STH 67	296.353



SCHEDULE OF LANDS & INTERESTS REQUIRED				
PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	T.L.E. HECTARES
22	5-8	SCHOOL DIST. NO.1	T.L.E.	0.313
29	7-8	OSCAR L. BARDON	T.L.E.	0.059
30	8	PETER J. MENNE	T.L.E.	0.055



BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
611	10+917.94 9.45 m LT.	NW FLANGE BOLT OF HYDRANT ON THE WEST SIDE OF STH 67	298.233

END PROJECT I.D. 4532-07-71,21
 STA. 10+972.80
 N = 206370.369
 E = 759735.757
 SAWCUT AND MATCH

