

NORTHEAST REGION SURVEY WORK REQUEST

For guidance see: [Required Information for Requests.docx](#)

Date Submitted: 4/25/2017

Project ID:	<u>4085-48-00</u>	Highway:	<u>STH 32</u>	County:	<u>Manitowoc</u>
Project Title:	<u>Howard Grove - Kiel</u>	Project Limits:	<u>STH 32/57 South Junction - STH 67</u>		
Requested By:	<u>Jordan Maternoski</u>	Phone Number:	<u>920-492-7163</u>		
Date Needed:	<u>8/31/2017</u>	Design Lead:	<u>Jordan Maternoski</u>		
PS& E Date:	<u>8/1/2021</u>	Project Manager Signature:	<u></u>		

Describe the work or improvements you are planning to do to the highway so we can specify the survey work to support your project requirements. (reconstruct, resurface, beam guard, culvert pipe installation, grading, etc.)

Resurface project, all beamguard will be replaced and need surveyed

List any adjacent projects (existing or future) that you are required to match into or share data with.

Do you anticipate that **Real Estate Acquisition** on your project? ☐ Yes ☒ No
If yes to **Real Estate Acquisition**, was the Plats Department notified? ☐ Yes ☒ No
Is the Project ID authorized for charges in FIIPS? ☒ Yes ☐ No
Requested C3D Version ☐ C3D 2012 ☐ C3D 2014 ☒ C3D 2016

- Check the box next to the required types of survey work you need.
- Describe the limits and details of each type of work being requested or attach maps showing limits.
- Attach any required documents, forms, asbuilts, etc.
- Review the survey work request with your Project Manager prior to submitting to the Survey Coordinator to ensure all survey needs are included.
- Hand deliver the request, along with any attachments, to the Survey Coordinator when submitting the survey work request form.
- Plan to spend some time with the survey department to explain the unique needs of your request.

SECTION ONE – DESIGN SURVEY NEEDS

☒ **Alignments (Existing);** (Research & Comps to establish existing roadway alignments)
See attached as built plans and project overview map. Alignments around roundabout and weird intersection on east side of project.

☒ **Topo/DTM;** (Full Topo/DTM field survey base map & 3D surface, includes tree groups and individual trees of requested size and greater but species of tree is not collected unless requested)

☒ **Horizontal & Vertical Control;** (Control points & BM's to be shown on plan)



Utility Survey; (Survey locating all overhead and underground utilities including Storm, Sanitary & Water, Telephone, Electric, Gas, Cable, FTMS/ITS etc.)

Utility Coordinator: Joe Coughlin Was the DT-1077 sent out? ☒ Yes ☐ No
DT-1077 are being sent out today (4/25/2017)



Storm Sewer Survey; (“measure downs” – rim elev, invert elev, pipe size, shape, material on all storm sewer structures and outfalls)



Sanitary Sewer Survey; (“measure downs” – rim elev, invert elev, pipe size, shape, material on all sanitary sewer structures)



Cross Culvert Survey; (invert elev, size, shape, material, photos, spec x-sect if needed)



Weak, Obscure Areas, and Match Point Surveys; (Survey to fill in Weak & Obscure areas of Aerial Mapping)



Drainage Structure Survey; Is the DT-1698 form attached? ☐ Yes ☐ No
(Survey to support hydraulic and structural design of a structure. Please confer with Central Office Structures personnel to determine hydraulic cross section locations and numbers and need for Thalweg Survey or Aquatic Organism Passage requirements. Please provide any existing Structure ID's & contact info for CO Structure's person contacted. This generally involves very extensive surveying in difficult lowland vegetation and wetlands area, so time of year is critical.)



Structure Survey (Separation or Rehabilitation); Attached form ☐ DT-1694 ☐ DT-1696
(Survey to support structural design of a structure. Please confer with Central Office Structure's personnel to determine details of required survey data. Please provide any existing Structure ID's and contact info for CO Structure's person contacted.)



Other Survey Needs: (Miscellaneous Facilities, Wells, Septic, visible mechanical, electrical, plumbing items such as septic facilities and wells within described limits)

Cross section of roadway, shoulders, median, slopes, superelevation, ditch bottom of the locations shown on the as built plans (2nd as-built attachment). also one extra survey area where slopes appear very steep.

SECTION TWO – RIGHT OF WAY SURVEY NEEDS (this section to be completed by the Regional Plat Coordinator)

☐ **Section Corner Survey;** (Used to support determination of exist. R/W & alignments)

☐ **Property Corner Search;** (Used to support determination of exist. R/W & alignments)

☐ **Existing Right of Way Survey;** (DETERMINATION RIGHT OF WAY)

SECTION THREE – REAL ESTATE NEEDS

☐ **Appraisal Staking of Right of Way & Easements**

TPP# _____ TPP copy supplied: ☐ Hard Copy ☐ Electronic

TPP Design by: ☐ Consultant
☐ WisDOT

RLS Contact Info: _____

Completion of staking requested by: Click here to enter a date.

Real Estate Personnel to be contacted after Completion of Staking: _____

☐ **Final Right of Way Staking;** (stake R/W with iron pipes & caps and yellow rail and signs)

If you have any questions or would like to discuss your project's survey requirements further, please feel free to contact your WisDOT NE Region Survey Coordinators:

Cormac McInnis
920-492-5638
cormac.mcinnis@dot.wi.gov

Greg Belanger
920-492-7733
greg.belanger@dot.wi.gov

Updated August 24, 2016

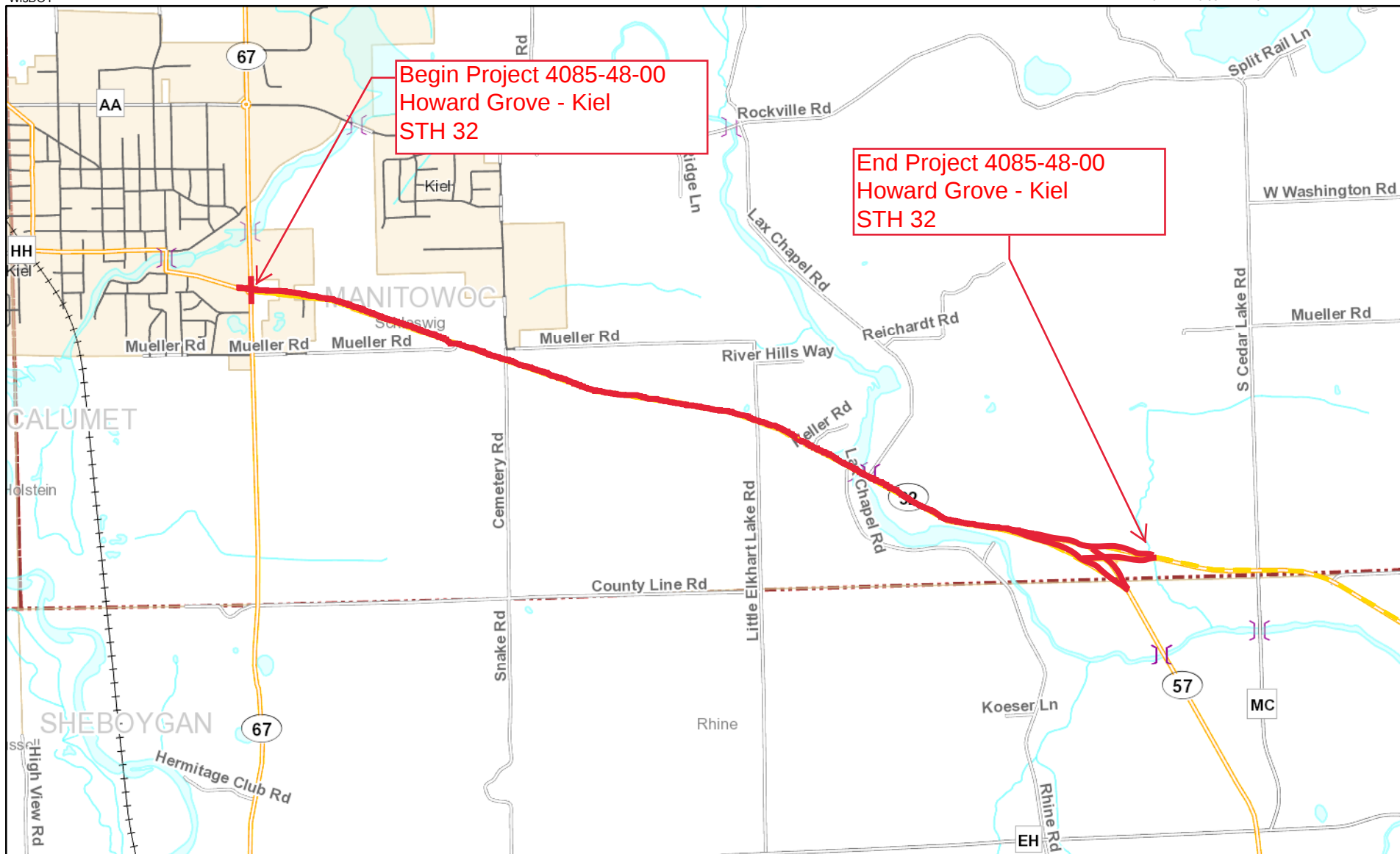
April 24, 2017

exported from dotview

WisDOT

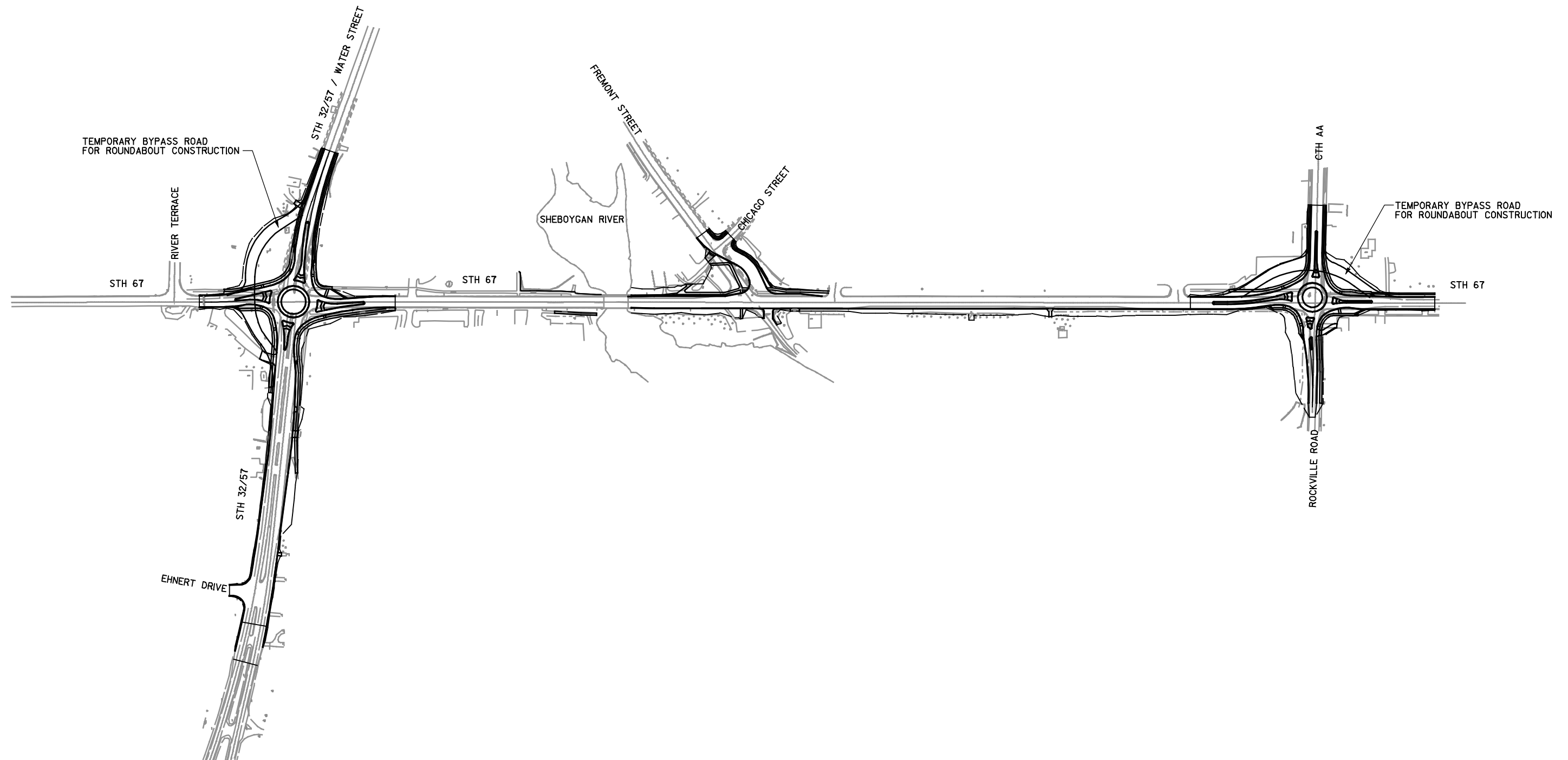
DOTView Map

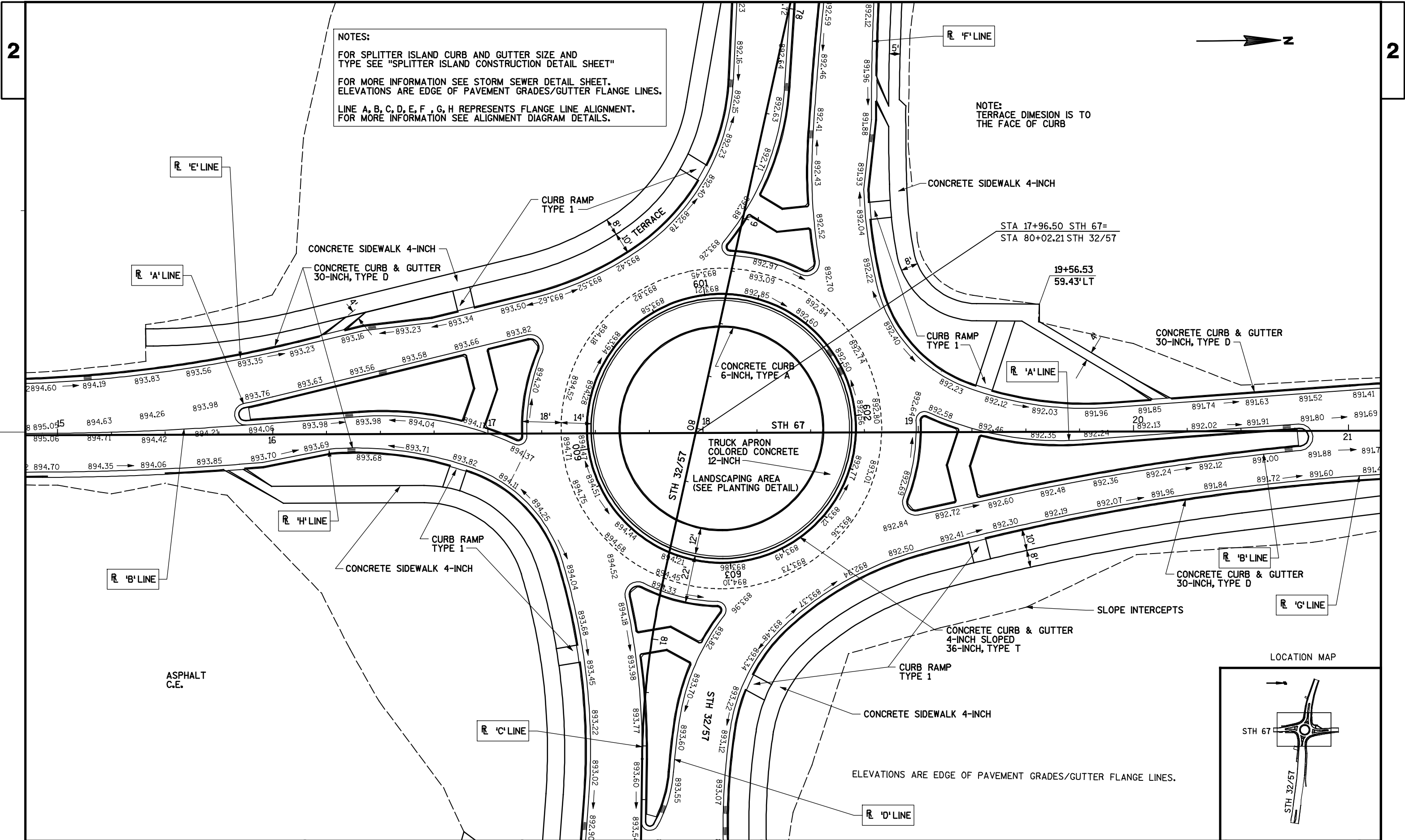
0 0.225 0.45 0.9 mi
0 0.35 0.7 1.4 km

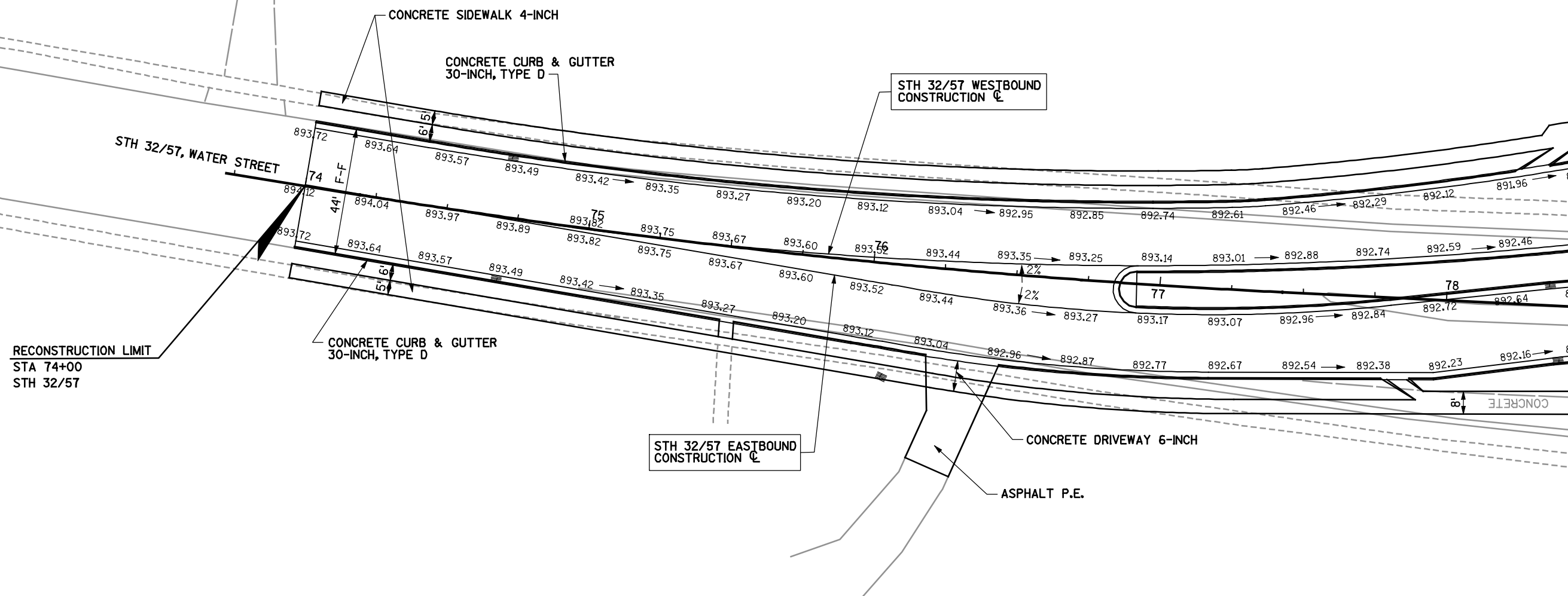


- | | | | |
|-------------------------|---------------------|-----------------|------------------------|
| Project Info on Bridges | State Highways | Rural Roads | Village |
| Railroads | Off-Mainline Routes | Rivers/Streams | Township |
| Interstate Highways | Urban Streets | Bodies of Water | Counties |
| US Highways | County Trunks | City | Transportation Regions |

Roundabout As-built



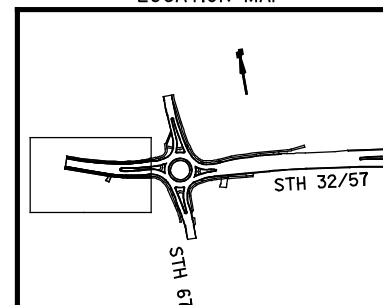




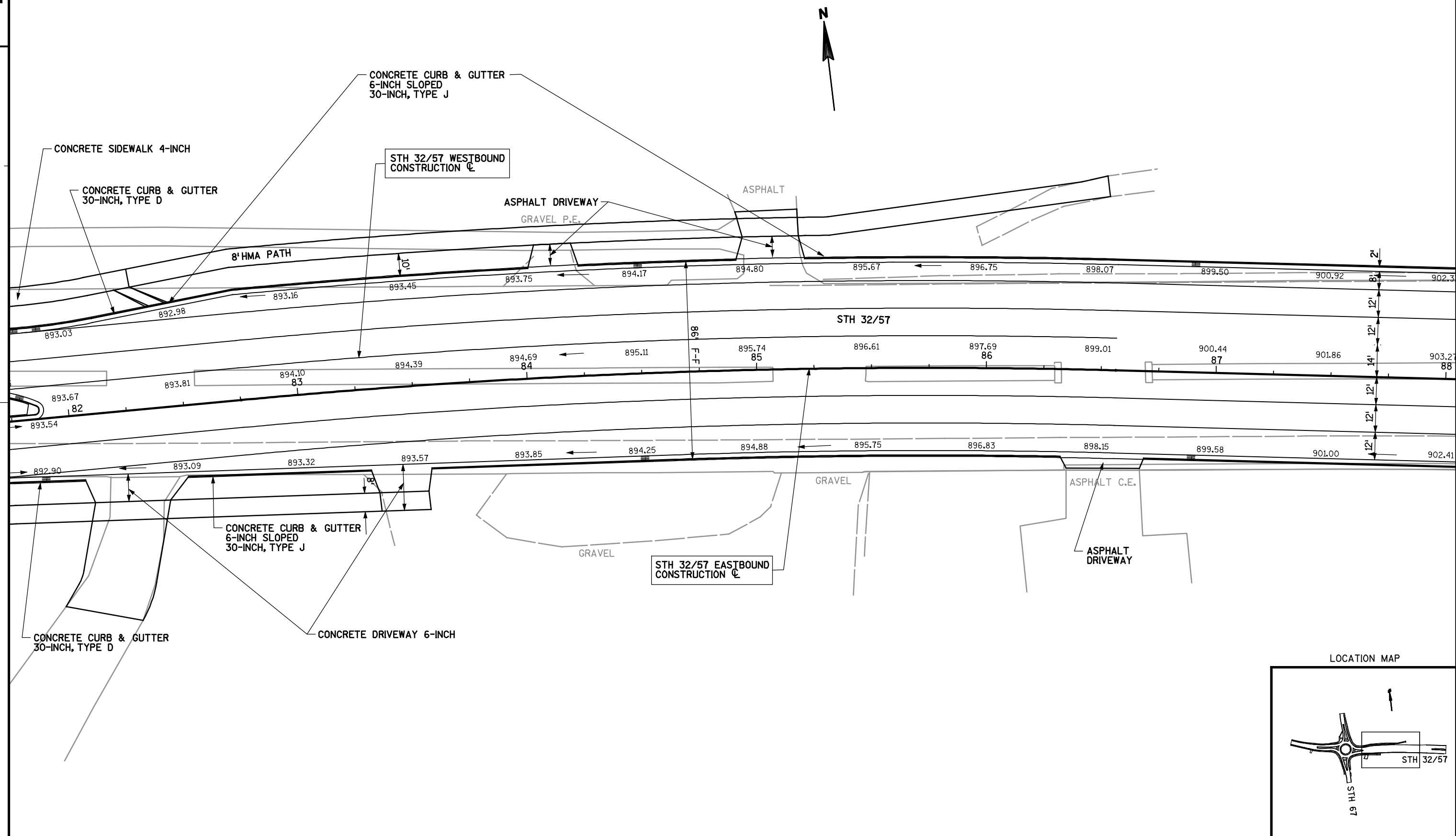
NOTE:
FOR SPLITTER ISLAND CURB AND GUTTER SIZE AND
TYPE SEE "SPLITTER ISLAND CONSTRUCTION DETAIL SHEET"

NOTE:
TERRACE DIMENSION IS TO THE FACE OF CURB

LOCATION MAP



NOTE: FOR MORE INFORMATION SEE STORM SEWER DETAIL SHEET.
ELEVATIONS ARE EDGE OF PAVEMENT GRADES/GUTTER FLANGE LINES.



2

2 |



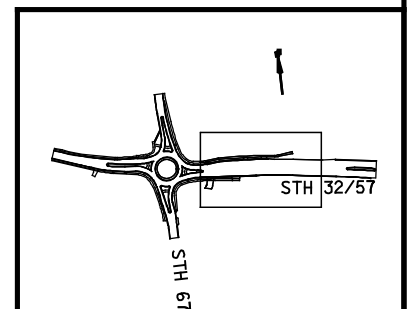
CONCRETE CURB & GUTTER
6-INCH SLOPED
30-INCH, TYPE J

— CONCRETE CURB & GUTTER
6-INCH SLOPED
30-INCH, TYPE J

STH 32/57 EASTBOUND
CONSTRUCTION ☒

RECONSTRUCTION LIMIT
STA 94+00
STH 32/57

LOCATION MAP



PROJECT NO: 4322-08-71

HWY: STH 67

COUNTY: MANITOWOC

PLAN DETAILS - STH 32/57

SHEET

1

FILE NAME : x:\23046-70\07029\tech\cadd\final\plan-v8\ST32021103_ID.dgn

PLOT DATE : 2/1/2009

PL0T BY : 280hkg

PLOT NAME :

PLOT SCALE : 40.0000 sf / IN.

WISDOT/CADDS SHEET 42

TRANSPORTATION PROJECT PLAT NO: 4322-08-21-4.01

PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, OF SECTION 20, AND THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 30, AND TRACT 3, CERTIFIED SURVEY MAP 381, VOLUME 4, OF CERTIFIED SURVEY MAPS PAGE 381, DOCUMENT NUMBER 466900, AND SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 19 ALL LOCATED IN TOWNSHIP 17 NORTH, RANGE 21 EAST, CITY OF KIEL AND PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, OF SECTION 29, LOCATED IN TOWNSHIP 17 NORTH, RANGE 21 EAST, TOWN OF SCHLESWIG, MANITOWOC COUNTY, WISCONSIN.

RELOCATION ORDER STH 67 MANITOWOC COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT	AP	SECTION CORNER	SC
ACCESS RIGHTS	AR	(MATERIAL AS NOTED)	
ADJACENT	ADJ	SET R/W MONUMENT W/CAP	W/CAP
CHORD BEARING	CH BKG	(1/4" OUTSIDE DIA. x 1/8"	
CHORD DISTANCE	CH DIS	IRON PIPE 1.13 LBS/FT)	
DEED	(D)		
DOCUMENT	DOC	SET P.K., NAIL	
EAST BOUND	EB	PROPOSED R/W	
EAST VALVE	EV	BOUNDARY POINT	
FILE	FL		
MANHOLE	MH	CORPORATE LIMITS	
MONUMENT	MON		
NORTH BOUND	NB	EXISTING R/W	
PIPE	PI	SECTION LINE	
PERMANENT LIMITED EASEMENT	PERM	QUARTER LINE	
PRIVATE DRIVEWAY	PD	SIXTEENTH LINE	
PROPERTY LINE	PL	PROPOSED OR NEW R/W LINE	
RADIUS	RD	PROPOSED EASEMENT LINE	
REFERENCE LINE	REL		
REMAINING	REM	PARCEL NUMBER	
RIGHT OF WAY	R/W		
SECTION LINE	SL	UTILITY PARCEL NUMBER	
FOUND IRON PIPE	IP		
STATION	STA		
TEMPORARY LIMITED EASEMENT	TLE		
THE POINT	TP		
VOLUME	VOL		
ADJOINING LANDS WITH SAME OWNER	ADJ. S.O.		
PARALLEL TO LINE	OO		
BUILDING TO BE RAZED	RAZED		
FEE ACQUISITION	FA		
BURIED FIBER OPTICS CABLE	FO		
BURIED TELEPHONE CABLE	T		
BURIED GAS LINE	G		
STORM SEWER LINE	SS		
BURIED WATER LINE	W		
POWER POLE	P		
TELEPHONE POLE	T		
SION	S		
TELEPHONE PEDESTAL	X		

RESERVE FOR CLAUSES AND NOTE INFORMATION

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MANITOWOC COUNTY, (ENGLISH), NAD 1983 (1990) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES, EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING R/W WAS ACQUIRED FROM PROJECT(S): PROJECTS 3755, 3797, CSM'S OF RECORD, PERSNICKEY BUSINESS PARK PLAT, & RAIDER HEIGHTS PLAT

ACCESS CONTROL WAS ACQUIRED FROM PROJECT(S)/DOCUMENTS: DOCUMENT #521578

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. THIS EASEMENT IS TO TERMINATE ON (1/1/2011) OR THE DATE THE CONSTRUCTION OF THIS PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION DISTRICT OFFICE.

DATE: 03/27/2008

NAME: NORMAN PAWELCZYK
TITLE: REAL ESTATE SUPERVISOR

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 03/27/2008

NAME: JON L. HERBEL

POINT	STATION	OFFSET	COORDINATES
CL105	11+82.41	0.00'R	Y 234212.457 X 137465.983
QTR120	31+04.91	15.43'L	Y 236135.021 X 137465.844
PRL3	35+72.95	0.00'R	Y 236602.920 X 137484.990
RW35	46+72.54	50.22'R	Y 237702.010 X 137545.213
RW36	47+72.54	60.22'R	Y 237801.915 X 137556.126
RW37	49+22.54	60.23'R	Y 237951.908 X 137557.497
RW113	50+14.38	107.41'L	Y 238045.274 X 137390.700
RW111	50+14.51	103.23'L	Y 238045.356 X 137394.885
RW38	50+22.54	50.23'R	Y 238051.995 X 137548.411
RW90	54+00.59	58.73'L	Y 238431.016 X 137442.894
RW114	54+01.20	112.49'L	Y 238432.120 X 137389.138
RW89	55+10.87	59.03'L	Y 238541.299 X 137443.595
DB31	55+84.26	34.80'L	Y 238614.465 X 137468.489
PRW4	55+99.70	50.25'R	Y 238629.131 X 137553.683
PRW5	56+62.90	398.42'R	Y 238689.164 X 137902.408
RW69	57+04.47	246.30'L	Y 238736.596 X 137258.095
PRW6	57+06.02	399.37'R	Y 238732.272 X 137903.756
SEC107	57+39.54	36.05'L	Y 238769.754 X 137468.655
DB34	57+39.57	0.00'L	Y 238769.449 X 137504.703
DB23	57+45.40	285.98'L	Y 238777.888 X 137218.787
RW4	57+76.76	442.98'R	Y 238802.605 X 137948.006
RW3	57+78.22	342.98'R	Y 238804.981 X 137848.024
RW2	57+78.76	297.98'R	Y 238805.925 X 137803.024
RW67	57+84.46	245.61'L	Y 238816.580 X 137259.509
RW58	57+90.74	55.44'R	Y 238820.113 X 137560.605
RW68	59+74.37	49.35'L	Y 239004.693 X 137457.492
RW9	63+53.68	55.43'R	Y 239383.034 X 137565.719
CL2019	64+00.00	0.00'R	Y 239429.856 X 137510.712

SCHEDULE OF LANDS & INTERESTS REQUIRED

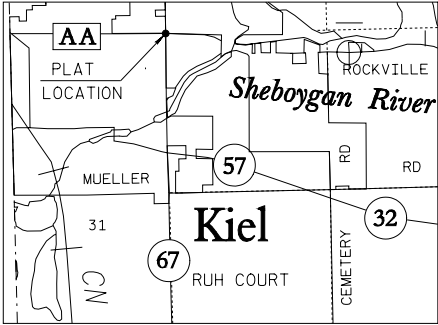
PARCEL NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED		TOTAL ACRES REM.	P.L.E. ACRES	T.L.E. ACRES
				NEW	EXISTING TOTAL			
1	THOMAS A. KLEIN & JACQUELINE A. KLEIN	TLE	1.27	-	-	1.27	-	0.06
2	ILADENE SALZMAN, ETAL	FEE	40.00	0.62	0.54	1.16	38.84	-
3	TERRY J. NIOBELLI & NANCY C. NIOBELLI	TLE	2.52	-	-	2.52	-	0.04
4	BYZANTINE, INC.	TLE	2.67	-	-	2.67	-	0.12
			-	-	-	-	-	-
100	VERIZON NORTH	RELEASE OF RIGHT	-	-	-	-	-	-
102	CITY OF KIEL (42)	RELEASE OF RIGHT	-	-	-	-	-	-
103	KIEL UTILITIES (43)	RELEASE OF RIGHT	-	-	-	-	-	-
			-	-	-	-	-	-

SE 1/4 - SE 1/4

NE 1/4 - NE 1/4

CITY OF KIEL

SECTION 19, 20 & 30, T17N - R21E, CITY OF KIEL,
SECTION 29, T17N - R21E, TOWN OF SCHLESWIG



SW 1/4 - SW 1/4

LOCATION SKETCH (NOT TO SCALE)

TOWN OF SCHLESWIG

NW 1/4 - NW 1/4

GN

0 100 200
GRAPHIC SCALE, FEET

POINT	STATION	OFFSET	COORDINATES
TLE "A"			
TLE2	57+87.24	126.15'R	Y 238815.976 X 137631.286
TLE3	58+31.37	102.17'R	Y 238860.319 X 137607.699
TLE16	58+32.45	55.44'R	Y 238861.822 X 137560.984
TLE "B"			
TLE29	58+92.91	133.54'L	Y 238924.002 X 137372.567
TLE30	59+86.98	59.35'L	Y 239017.393 X 137447.607
TLE31	60+50.00	59.35'L	Y 239080.411 X 137448.175
TLE32	60+50.00	49.36'L	Y 239080.321 X 137458.174
TLE "C"			
TLE26	54+00.70	68.77'L	Y 238431.222 X 137432.856
RW90	54+00.59	58.73'L	Y 238431.016 X 137442.894
TLE27	54+44.08	69.07'L	Y 238474.599 X 137432.944
TLE28	56+35.83	179.90'L	Y 238667.354 X 137323.863

RESERVE FOR REGISTER OF DEEDS
PROJECT NUMBER 4322-08-21 - 4.01
AMENDMENT NUMBER

ACCEPTED FOR RECORDING AND FILING IN THE
OFFICE OF THE REGISTER OF DEEDS IN
MANITOWOC COUNTY, WISCONSIN
AT _____ M ON _____
AS DOCUMENT # _____ AND
FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 30, AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, NORTHWEST 1/4 OF THE SOUTHWEST 1/4, OF SECTION 29, IN THE CITY OF KIEL AND SOUTHWEST 1/4 OF THE NORTHWEST 1/4, NORTHWEST 1/4 OF THE NORTHWEST 1/4, OF SECTION 29, IN THE TOWN OF SCHLESWIG, ALL LOCATED IN TOWNSHIP 17 NORTH, RANGE 21 EAST, MANITOWOC COUNTY, WISCONSIN.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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POINT	STATION	OFFSET	COORDINATES
CL105	11+82.41	0.00' R	Y 234212.457 X 137465.983
RW32	28+86.25	59.39' R	Y 235915.773 X 137538.917
DB78	28+86.34	13.90' L	Y 235916.443 X 137465.627
RW26	28+86.39	60.63' L	Y 235916.870 X 137418.901
QTR120	31+04.91	15.43' L	Y 236135.021 X 137465.844
RW93	33+78.65	60.05' L	Y 236409.104 X 137423.398
RW94	34+15.00	132.17' L	Y 236446.028 X 137351.571
RW97	35+23.73	243.46' L	Y 236555.637 X 137241.143
PR13	35+72.95	0.00' R	Y 236602.920 X 137484.950
RW84	36+11.82	6.22' R	Y 236641.242 X 137545.557
RW116	36+19.82	90.32' R	Y 236648.965 X 137575.731
RW117	36+67.10	162.10' L	Y 236695.594 X 137647.943
RW88	36+74.79	40.18' R	Y 236704.389 X 137526.099
RW122	36+80.85	62.99' R	Y 236710.239 X 137548.955
RW107	37+13.79	53.47' L	Y 236744.242 X 137432.808
RW123	37+19.14	121.12' R	Y 236748.000 X 137607.433
RW118	37+27.33	226.52' R	Y 236755.236 X 137712.901
RW124	37+70.21	175.74' R	Y 236798.576 X 137662.519
RW108	38+63.55	94.35' L	Y 236894.368 X 137393.284
RW109	38+63.79	54.35' L	Y 236894.241 X 137433.284
RW34	39+54.54	50.19' R	Y 236984.040 X 137538.655
RW33	39+54.54	40.19' R	Y 236984.131 X 137528.655
RW112	45+14.53	99.21' L	Y 237545.366 X 137394.351
RW35	46+72.54	50.22' R	Y 237702.010 X 137594.213
RW36	47+72.54	60.22' R	Y 238701.915 X 137556.126
SEC107	57+39.54	36.05' L	Y 238769.754 X 137468.655
DB34	57+39.57	0.00' L	Y 238769.499 X 137504.703
CL2019	64+00.00	0.00' R	Y 239429.856 X 137510.712

NAME: JON L. HERBEL

CITY OF KIEL

SE 1/4 - NE 1/4

SECTION 30, T17N - R21E, CITY OF KIEL,
SECTION 29, T17N - R21E, TOWN OF SCHLESWIG

LOT 3
VOL. 22 CSM PG. 53
DOC. #912715

LOT 4
VOL. 22 CSM PG. 53
DOC. #912715

NW 1/4 - NW 1/4

EASEMENT SANITARY
VOL. 494 R. 285
DOC. #471337

RIGHT-OF-WAY R

S.T.H. "67"

RIVER ROAD

SHEBOYGAN RIVER

SW 1/4 - NW 1/4

NE 1/4 - SE 1/4

NW 1/4 - SW 1/4

POINT TO POINT BEARING DISTANCE

POINT TO	POINT	BEARING	DISTANCE
QTR120	DB78	S 00°03'25" W	218.58'
DB78	RW26	N 89°28'36" W	46.73'
RW26	RW93	N 00°31'24" E	492.25'
RW93	RW94	N 62°47'36" W	80.76'
RW94	RW97	N 45°12'48" W	155.59'
RW97	RW107	N 45°27'40" E	268.90'
RW107	RW109	N 00°10'55" E	150.00'
RW109	RW108	N 89°49'05" W	40.00'
RW108	RW112	N 00°05'38" E	651.00'
RW112	RW35	N 43°55'23" E	217.48'
RW35	RW34	S 00°31'24" W	718.00'
RW34	RW33	N 89°28'36" W	10.00'
RW33	RW88	S 00°31'24" W	279.75'
RW88	RW122	N 75°38'36" E	23.59'
RW122	RW123	N 57°08'55" E	69.61'
RW123	RW124	N 47°26'37" E	74.78'
RW124	RW118	S 49°17'49" E	66.46'
RW118	RW117	S 47°26'37" W	88.19'
RW117	RW116	S 57°08'55" W	85.96'
RW116	RW84	S 75°38'36" W	31.15'
RW84	RW32	S 00°31'28" W	725.50'
RW32	DB78	N 89°28'36" W	73.29'

DETAIL "B"

NOT TO SCALE

GRAPHIC SCALE, FEET

RESERVE FOR REGISTER OF DEEDS
PROJECT NUMBER 4322-08-21 - 4.02
AMENDMENT NUMBER

ACCEPTED FOR RECORDING AND FILING IN
OFFICE OF THE REGISTER OF DEEDS IN
COUNTY, WISCONSIN

AT _____ M ON _____
AS DOCUMENT # _____
FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

WISDOT/CADDS SHEET 4 72

PART OF LOTS 1 & 2, VOLUME 11, CERTIFIED SURVEY MAP, PAGE 629, AS DOCUMENT NUMBER 648022, OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, OF SECTION 30, AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 29, ALL LOCATED IN TOWNSHIP 17 NORTH, RANGE 21 EAST, CITY OF KIEL AND PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 29, TOWNSHIP 17 NORTH, RANGE 21 EAST, IN THE TOWN OF SCHLESWIG, IN MANITOWOC COUNTY, WISCONSIN.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

[illegible]

BURIED FIBER OPTICS CABLE _____ FO _____
BURIED TELEPHONE CABLE _____ T _____
BURIED GAS LINE _____ G _____
BURIED WATER LINE _____ W _____

POWER POLE	■	⊗
TELEPHONE POLE	⦿	⊙
SIGN	▷	◁
TELEPHONE PEDESTAL	✕	✕

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MANITOWOC COUNTY, (ENGLISH), NAD 1983 (1991) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY
LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING R/W WAS ACQUIRED FROM PROJECT(S):
PROJECT 3755, 3797, CSM'S AND PLATS OF RECORD

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE TO PREVENT EROSION OF THE SOIL. THIS EASEMENT IS TO TERMINATE ON 1/31/2010 OR THE DATE THE CONSTRUCTION OF THIS PROJECT IS COMPLETED, WHICHEVER OCCURS FIRST.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095,
WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT
OF TRANSPORTATION DISTRICT OFFICE.

NAME: NORMAN PAWELCZYK
TITLE: REAL ESTATE SUPERVISOR

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

NAME: JON L. HERBEL

	SCHEDULE OF SIGNS
SIGN NUMBER	SIGN OWNER
9-1	CHERYL L. BORNEMANN
8-1	CITY OF KIEL

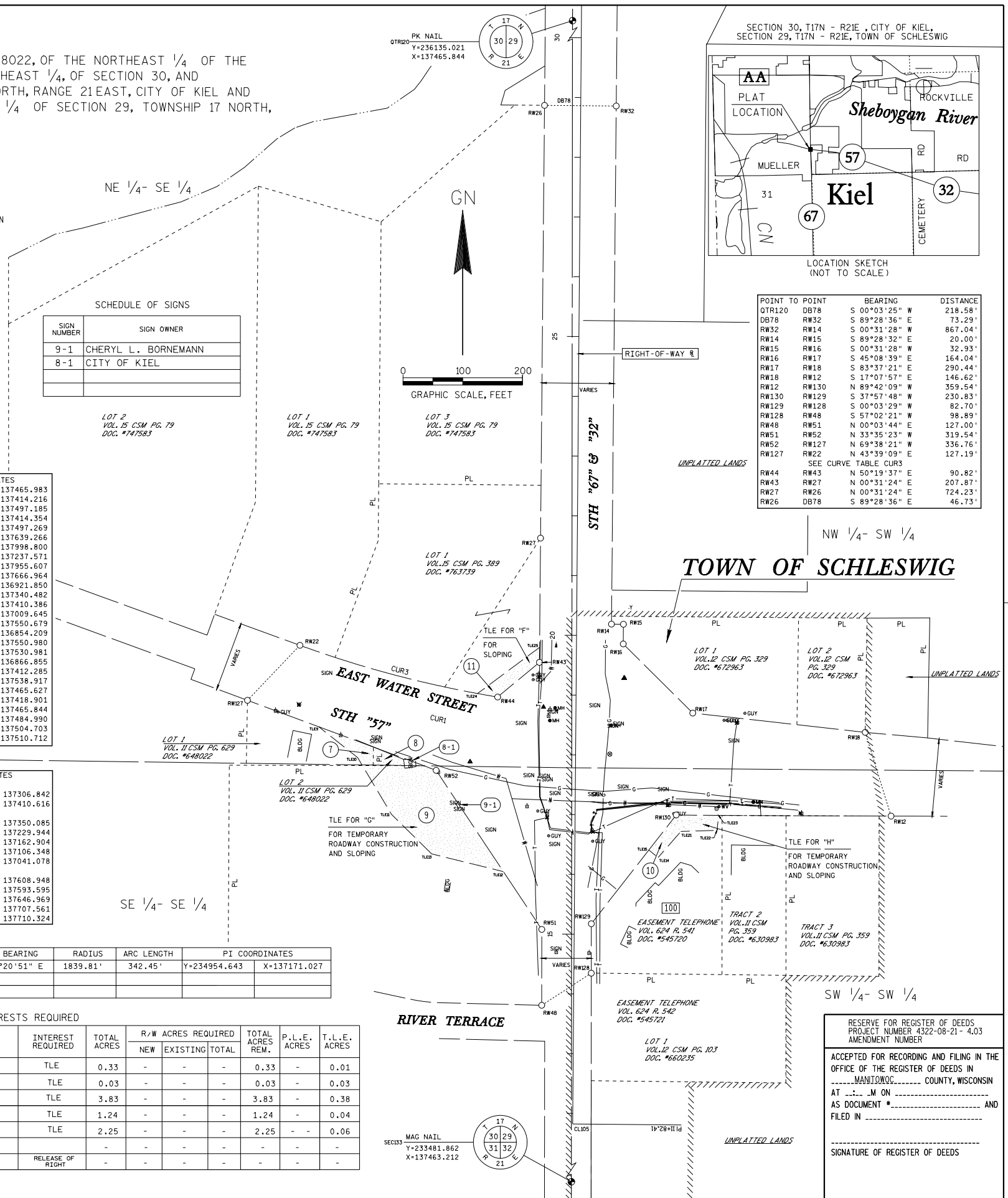
CITY OF KIEL

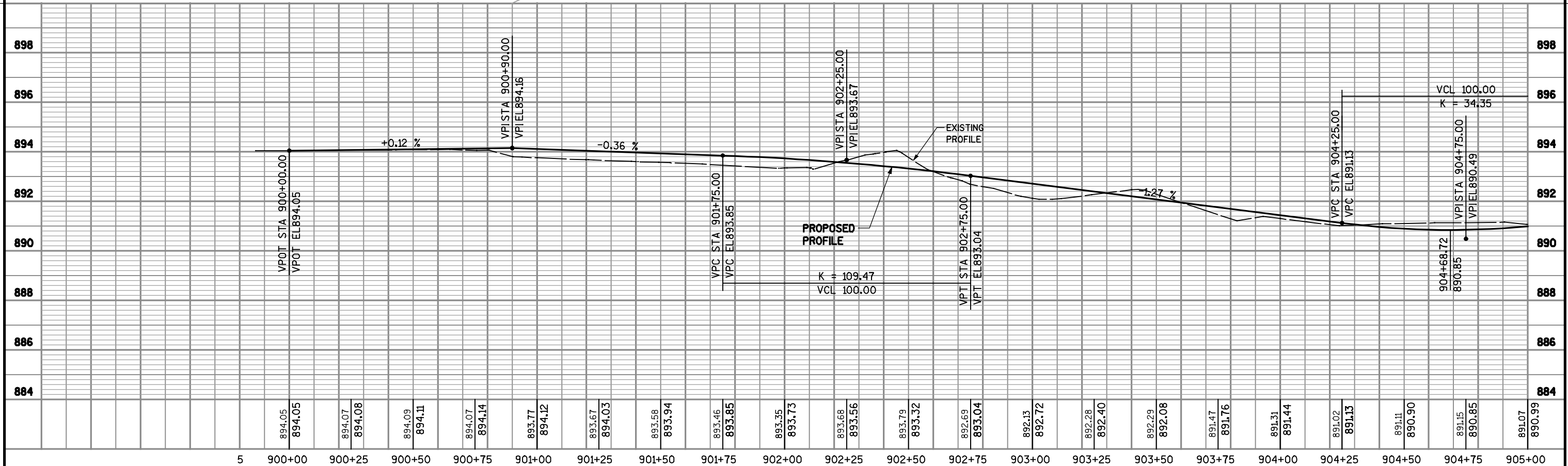
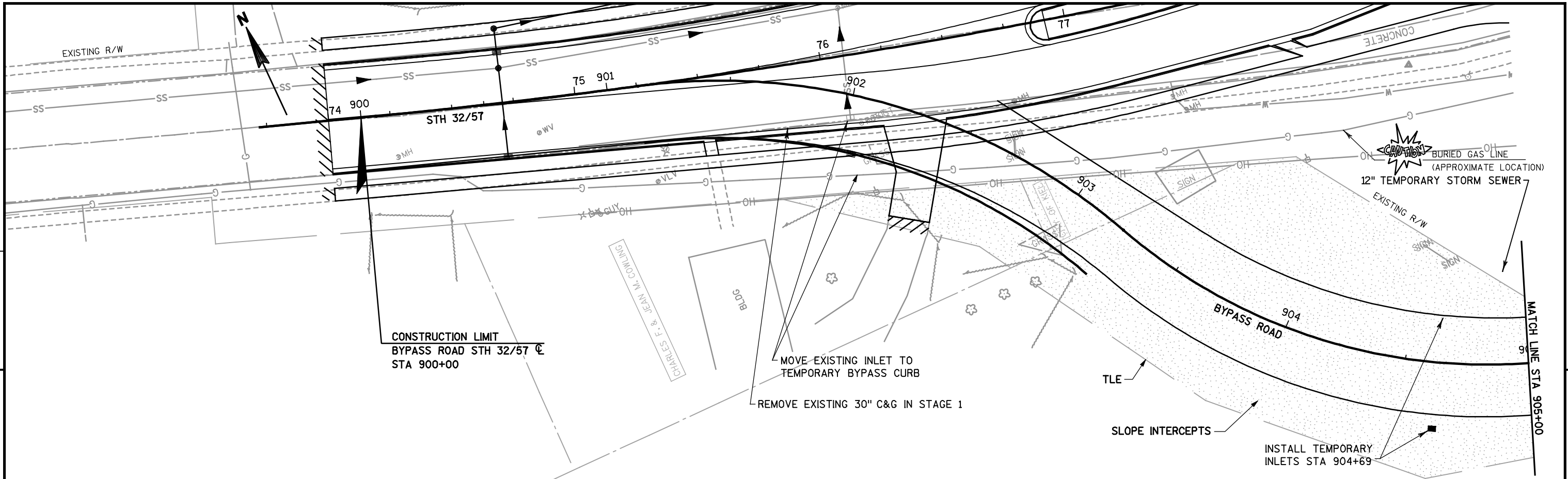
POINT	STATION	OFFSET	COORDINATES
CL105	11+82.41	0.00 R	Y 234212.457 X 173465.983
RW48	13+80.49	53.34 L	Y 234410.955 X 173414.216
RW128	14+34.95	29.20 R	Y 234464.755 X 173497.185
RW51	15+07.49	54.22 L	Y 234537.955 X 173414.354
RW129	15+17.65	28.62 R	Y 234547.495 X 173497.269
RW130	17+00.76	169.17 R	Y 234729.446 X 176339.266
RW12	17+01.75	528.70 L	Y 234727.579 X 173998.800
RW52	17+72.26	233.11 L	Y 234804.138 X 172327.571
RW18	18+41.52	484.40 R	Y 234867.697 X 173995.607
RW127	18+41.52	484.40 L	Y 234867.697 X 173995.607
RW129	18+86.91	549.75 L	Y 234921.309 X 173621.850
RW44	18+95.76	131.18 L	Y 234926.829 X 173740.482
RW43	19+54.30	61.74 L	Y 234984.809 X 173410.386
RW22	19+79.63	462.69 R	Y 235013.333 X 173009.645
RW16	19+86.26	78.31 R	Y 235015.660 X 173550.679
RW24	19+95.55	618.26 L	Y 235030.492 X 173684.209
RW15	20+19.19	78.35 R	Y 235048.589 X 173550.980
RW14	20+19.21	58.35 L	Y 235048.772 X 173530.986
RW23	20+30.43	605.89 R	Y 235065.263 X 173666.855
RW27	21+62.17	61.49 R	Y 235192.670 X 174112.285
DB7	22+06.59	50.39 L	Y 235206.870 X 173746.917
DB78	28+86.34	13.90 L	Y 235916.443 X 173465.627
RW26	28+86.39	60.63 L	Y 235916.870 X 173418.901
QTR120	31+04.91	15.43 L	Y 236135.021 X 173465.844
PLR13	35+72.95	95.13 R	Y 236602.920 X 173484.990
DB34	57+39.57	0.00 L	Y 238769.449 X 173504.703
CL2019	64+00.00	0.00 R	Y 239429.856 X 173510.712

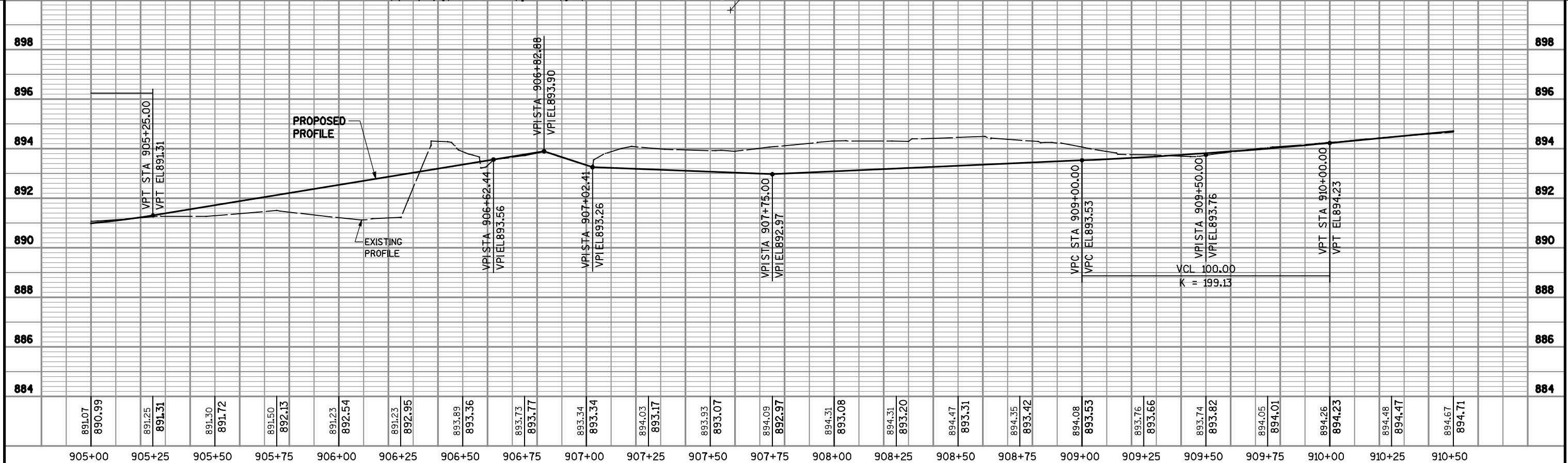
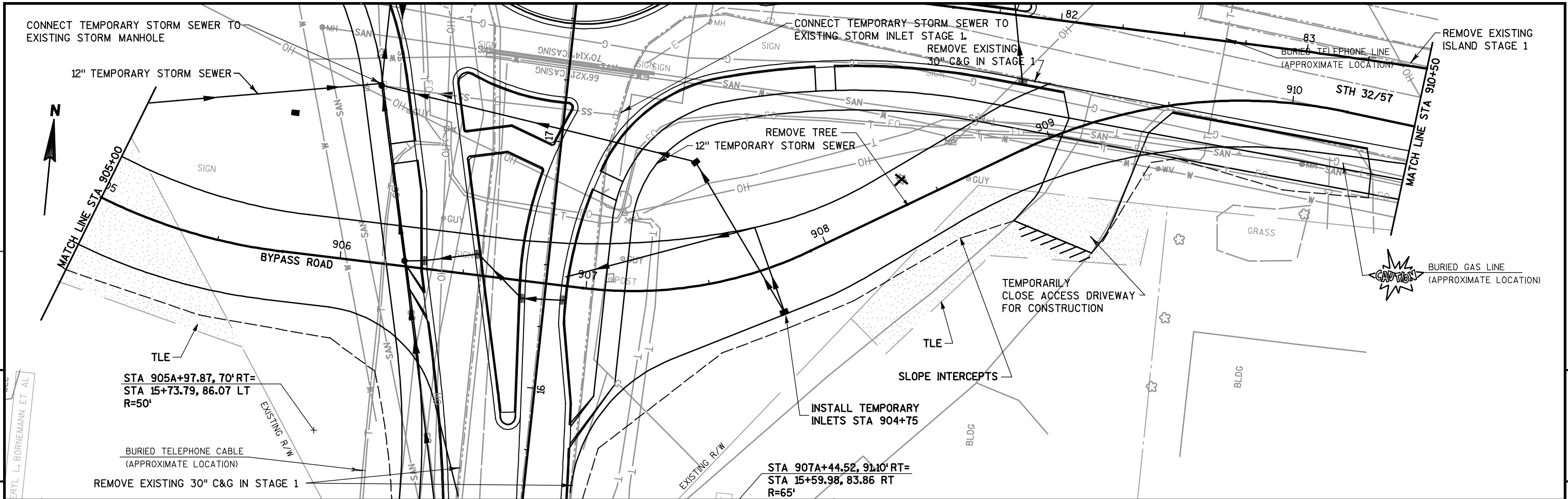
POINT	STATION	OFFSET	COORDINATES																																																																																							
TILE "F"																																																																																										
TILE24	19+01.34	164.86'L	Y	234932.675	X	137306.842																																																																																				
TILE25	19+71.947	61.71'L	Y	235009.983	X	137410.616	TILE "G"							TILE12	16+03.75	119.25'L	Y	234634.728	X	137350.085	TILE13	16+32.46	239.62'L	Y	234664.395	X	137229.944	TILE11	16+97.86	307.19'L	Y	234730.331	X	137162.904	TILE10	17+92.38	364.50'L	Y	234825.310	X	137106.348	TILE9	18+43.61	430.18'L	Y	234877.061	X	137041.078	TILE "H"							TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324
TILE "G"																																																																																										
TILE12	16+03.75	119.25'L	Y	234634.728	X	137350.085	TILE13	16+32.46	239.62'L	Y	234664.395	X	137229.944	TILE11	16+97.86	307.19'L	Y	234730.331	X	137162.904	TILE10	17+92.38	364.50'L	Y	234825.310	X	137106.348	TILE9	18+43.61	430.18'L	Y	234877.061	X	137041.078	TILE "H"							TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324														
TILE13	16+32.46	239.62'L	Y	234664.395	X	137229.944	TILE11	16+97.86	307.19'L	Y	234730.331	X	137162.904	TILE10	17+92.38	364.50'L	Y	234825.310	X	137106.348	TILE9	18+43.61	430.18'L	Y	234877.061	X	137041.078	TILE "H"							TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																					
TILE11	16+97.86	307.19'L	Y	234730.331	X	137162.904	TILE10	17+92.38	364.50'L	Y	234825.310	X	137106.348	TILE9	18+43.61	430.18'L	Y	234877.061	X	137041.078	TILE "H"							TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																												
TILE10	17+92.38	364.50'L	Y	234825.310	X	137106.348	TILE9	18+43.61	430.18'L	Y	234877.061	X	137041.078	TILE "H"							TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																			
TILE9	18+43.61	430.18'L	Y	234877.061	X	137041.078	TILE "H"							TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																										
TILE "H"																																																																																										
TILE14	16+29.15	139.42'R	Y	234658.077	X	137608.948	TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																																								
TILE15	16+41.87	123.96'R	Y	234670.912	X	137593.595	TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																																															
TILE21	16+73.13	177.09'R	Y	234701.756	X	137646.969	TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																																																						
TILE22	16+75.63	237.66'R	Y	234703.771	X	137707.561	TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																																																													
TILE23	17+00.54	240.23'R	Y	234728.661	X	137710.324																																																																																				

CURVE TABLE						
CURVE	CH DISTANCE	CH BEARING	RADIUS	ARC LENGTH	PI COORDINATES	
CUR3	341.96'	S 75°20'51" E	1839.81'	342.45'	Y=234954.643	X=137171.027

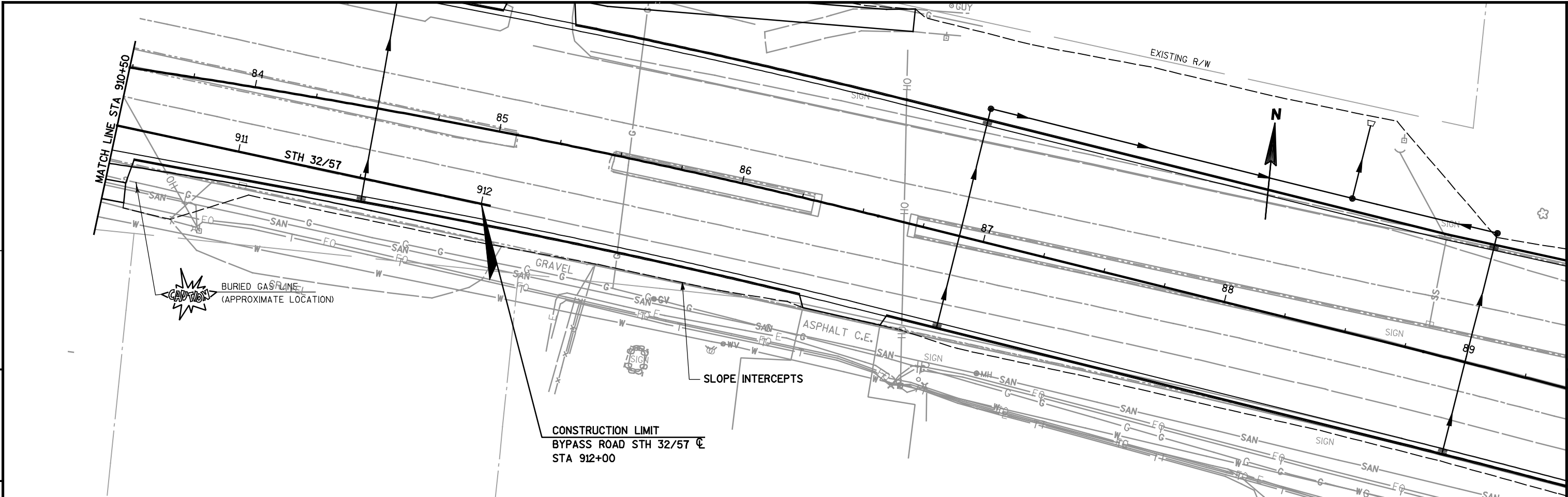
PARCEL NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W ACRES REQUIRED			TOTAL ACRES REM.	P.L.E. ACRES	T.L.E. ACRES
				NEW	EXISTING	TOTAL			
7	CHARLES F. & JEAN M. COWLING	TLE	0.33	-	-	-	0.33	-	0.01
8	THE CITY OF KIEL, A WIS. MUNICIPAL CORP.	TLE	0.03	-	-	-	0.03	-	0.03
9	CHERYL L. BORNEWMANN, ET AL	TLE	3.83	-	-	-	3.83	-	0.38
10	LARRY E. SCHURICHT	TLE	1.24	-	-	-	1.24	-	0.04
11	JAN'S SELF SERVICE, LLC	TLE	2.25	-	-	-	2.25	-	0.06
			-	-	-	-	-	-	-
100	VERIZON NORTH INC. (NO)	RELEASE OF RIGHT	-	-	-	-	-	-	-



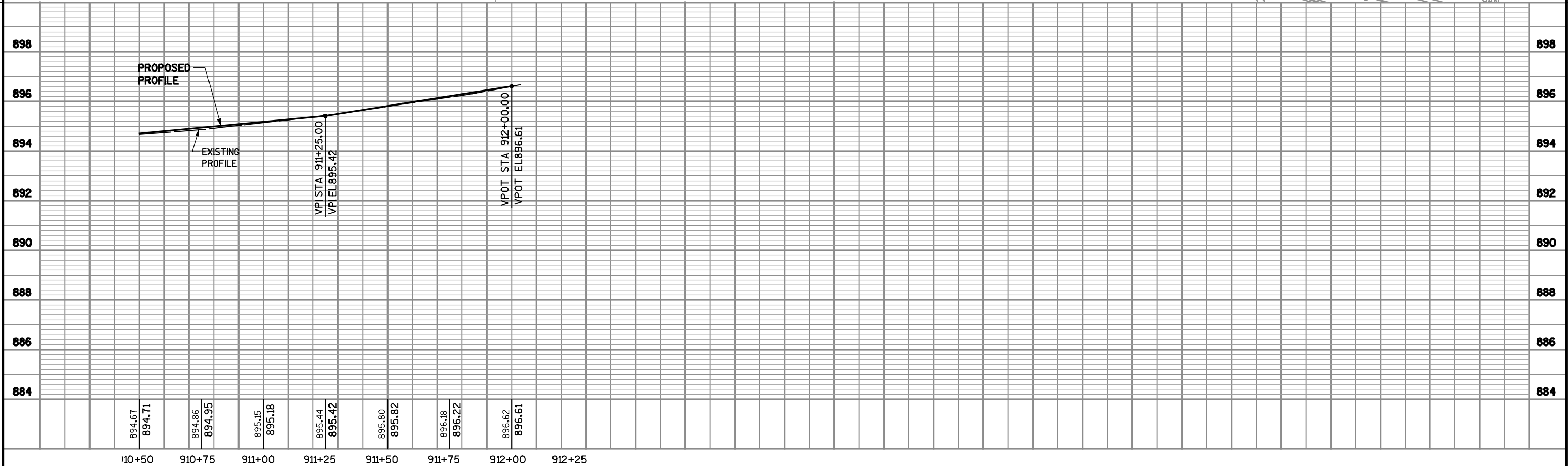


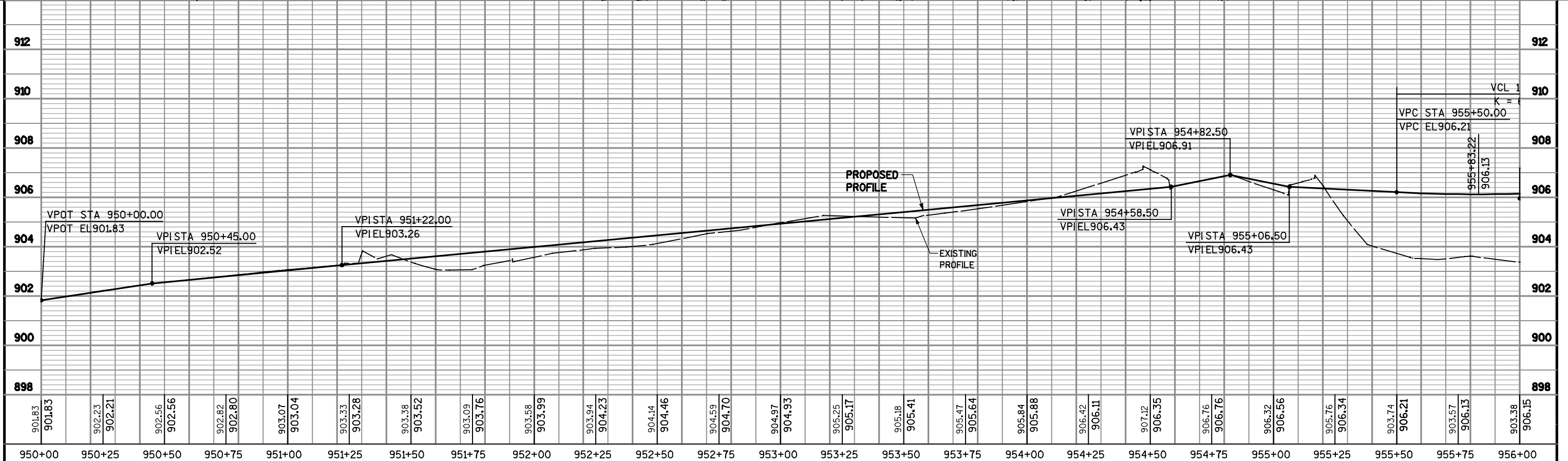
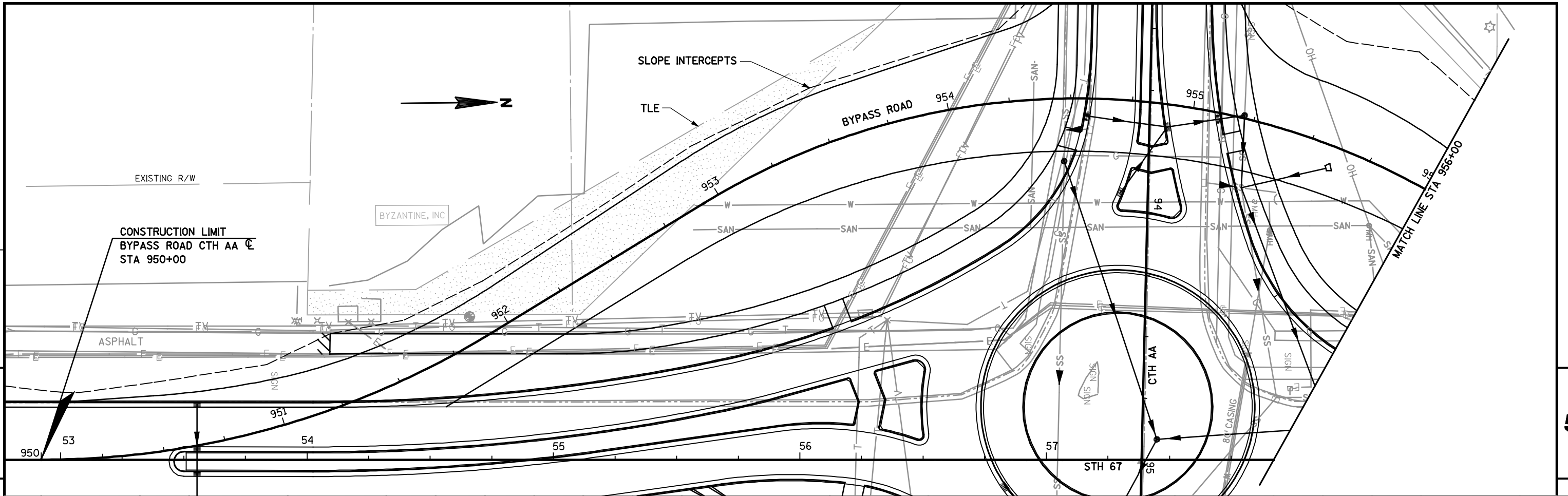


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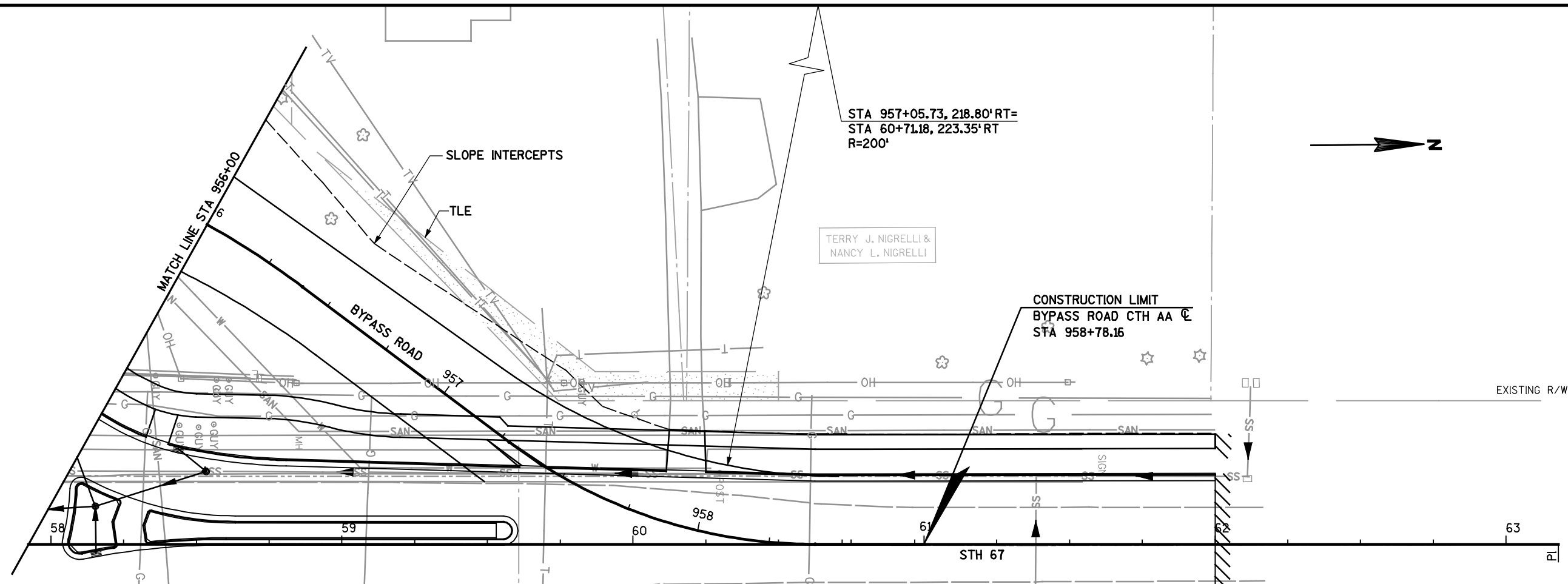
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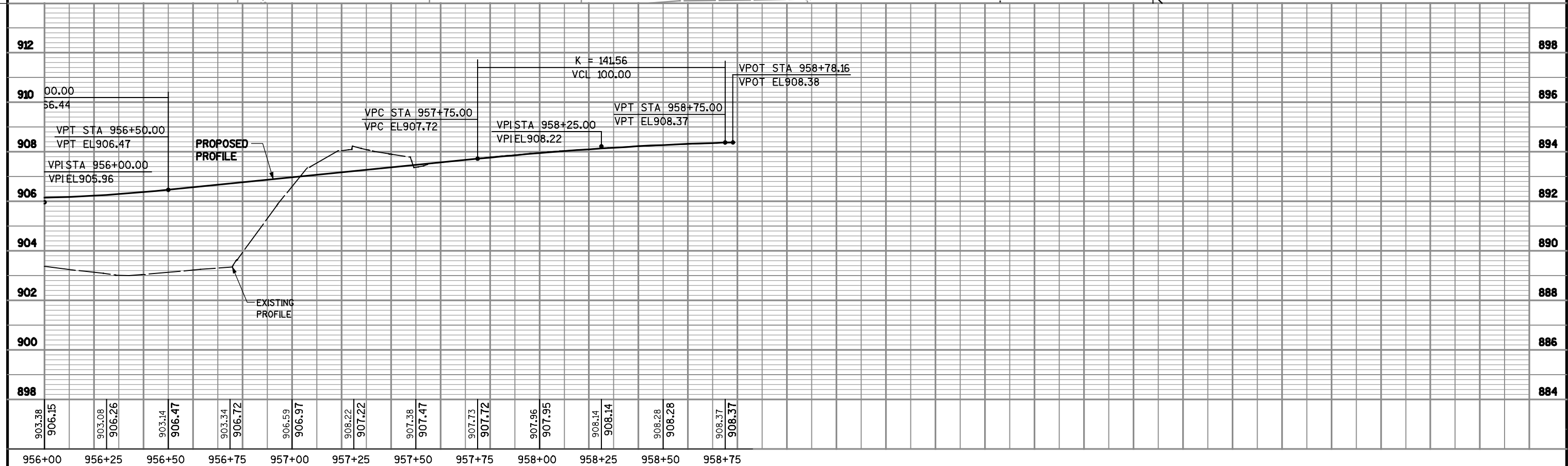


PROJECT NO: 4322-08-71					HWY: BYPASS ROAD CTH AA					COUNTY: MANITOWOC					PLAN AND PROFILE					SHEET					E				
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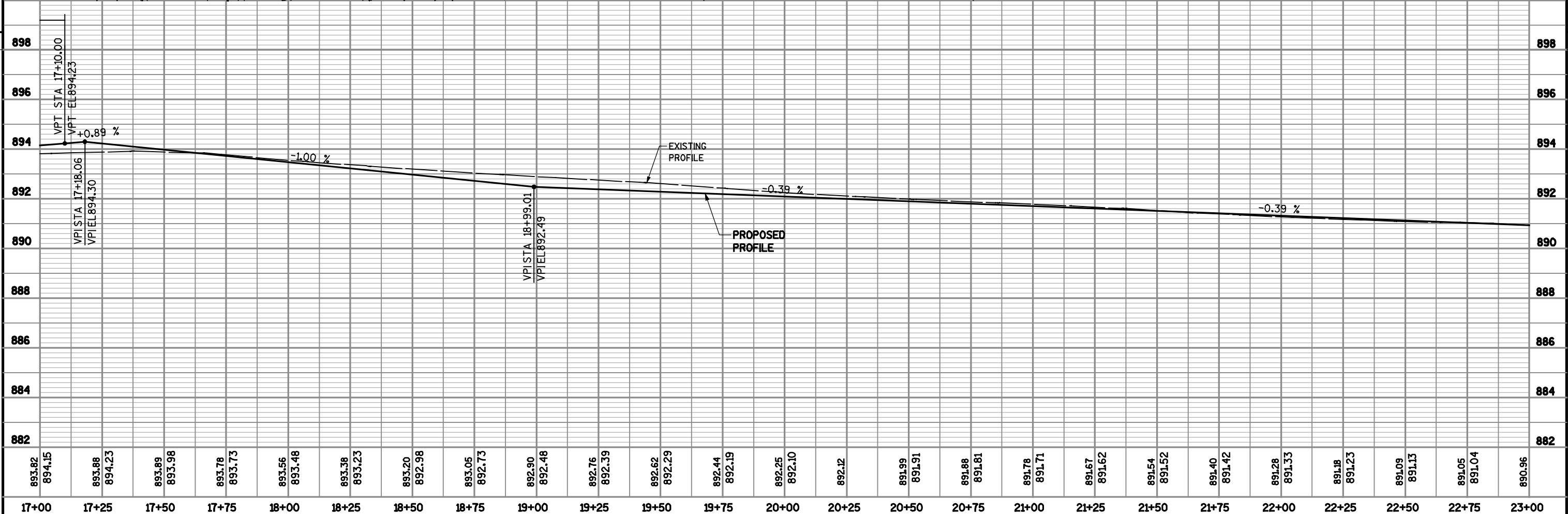
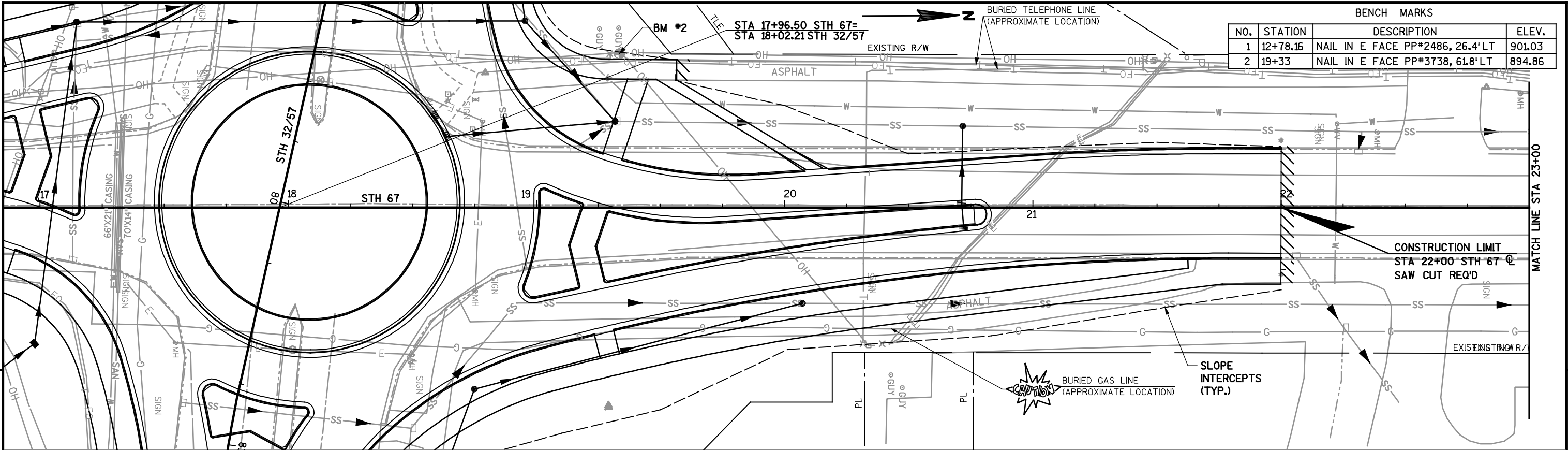
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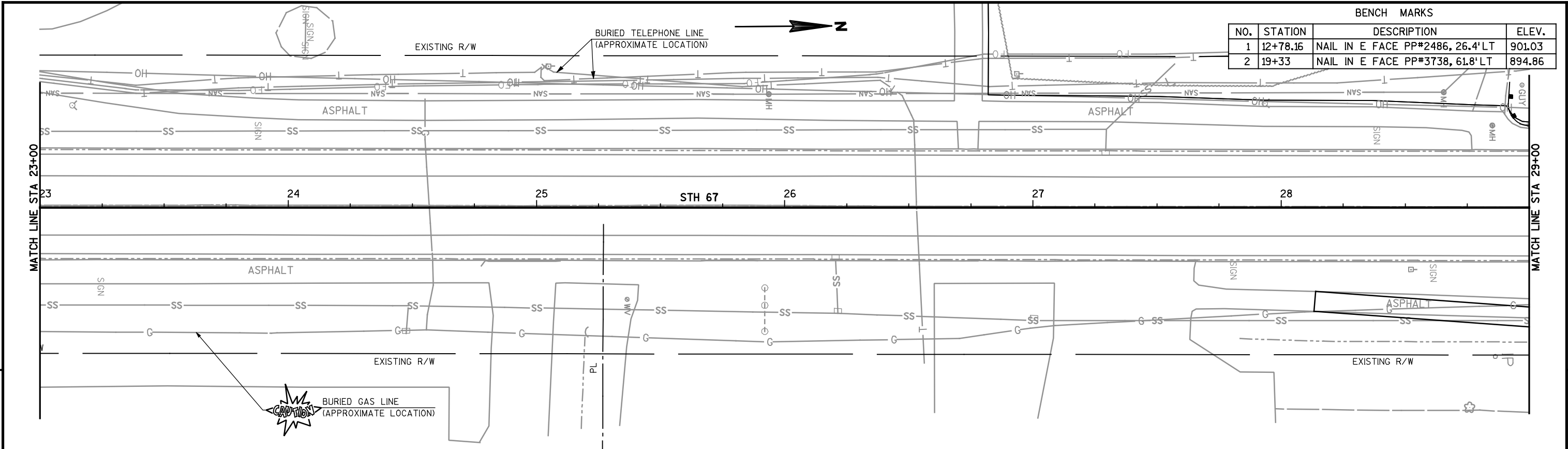


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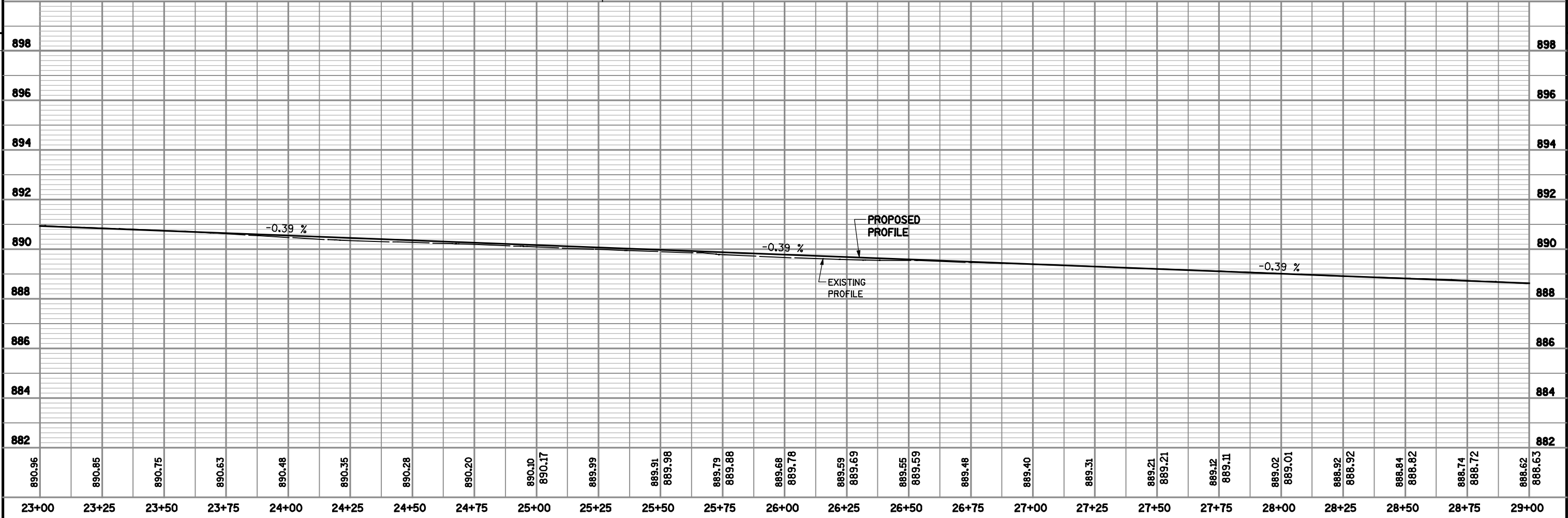


PROJECT NO: 4322-08-71	HWY: BYPASS ROAD CTH AA	COUNTY: MANITOWOC	PLAN AND PROFILE	SHEET	E
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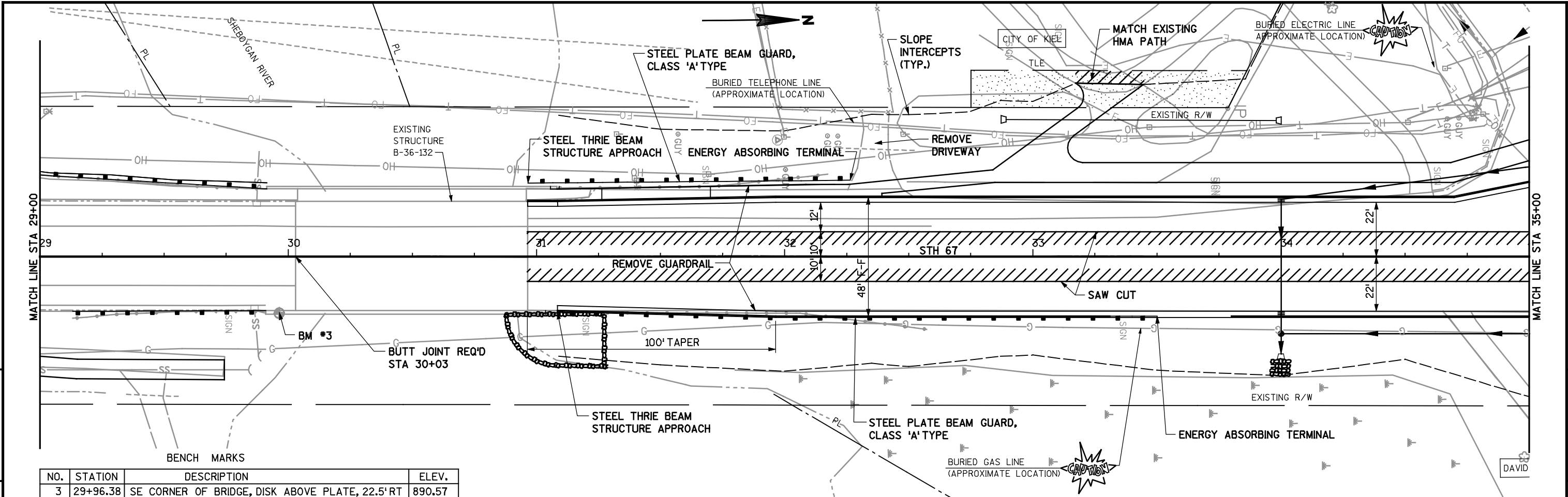


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	12+78.16	NAIL IN E FACE PP#2486, 26.4' LT	901.03
2	19+33	NAIL IN E FACE PP#3738, 61.8' LT	894.86



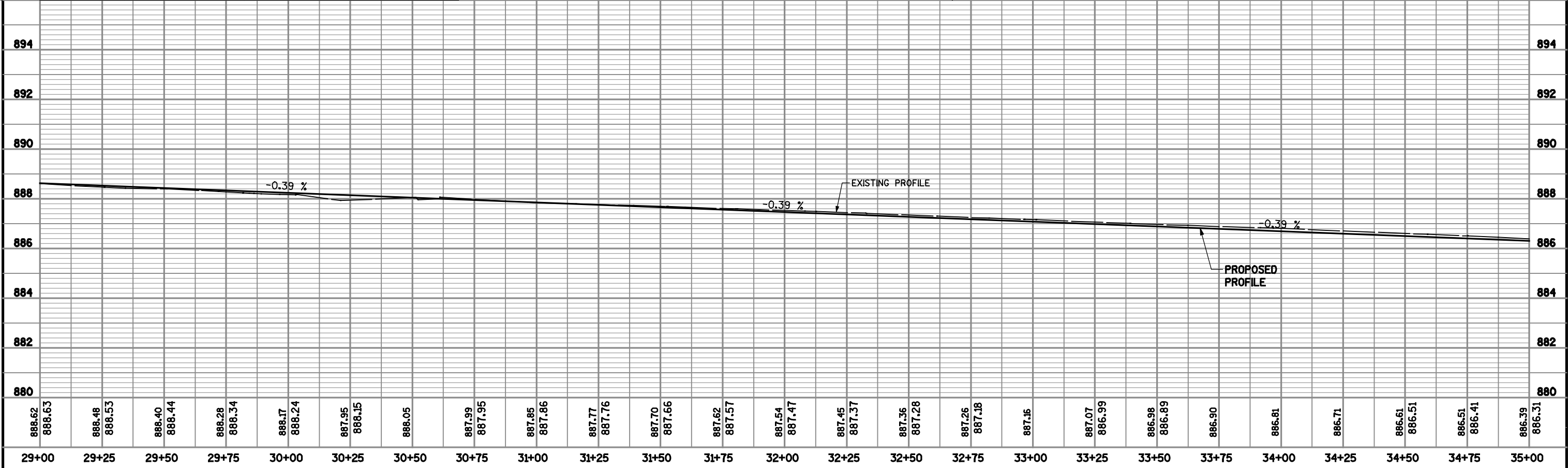
PROJECT NO: 4322-08-71	HWY: STH 67	COUNTY: MANITOWOC	PLAN AND PROFILE	SHEET	E
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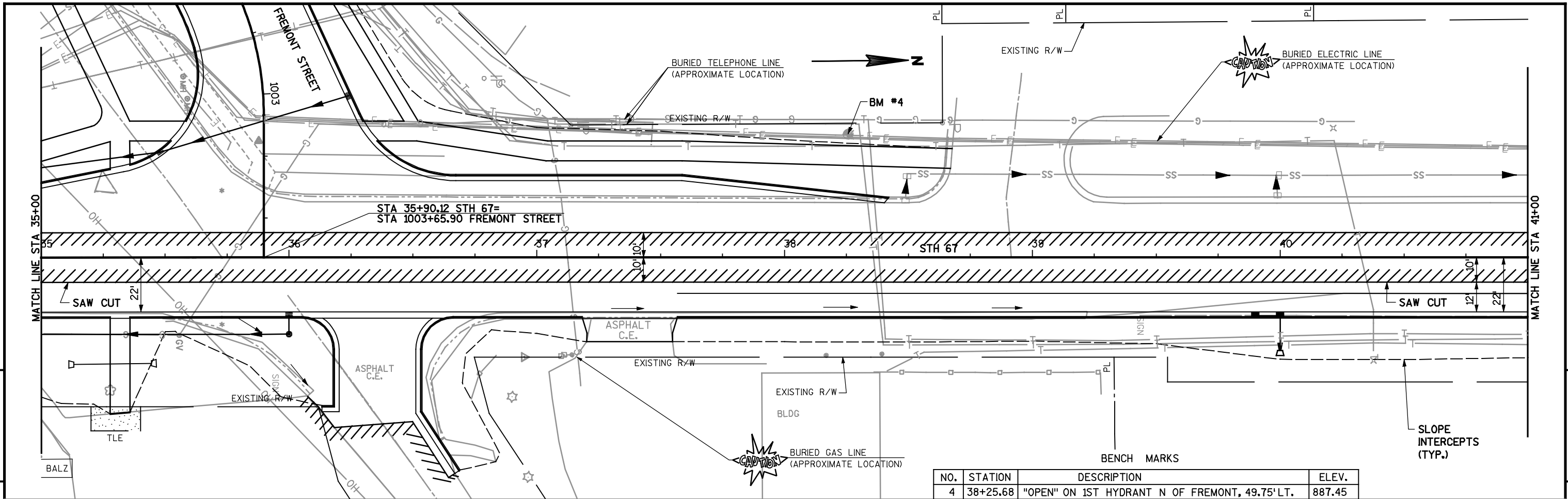


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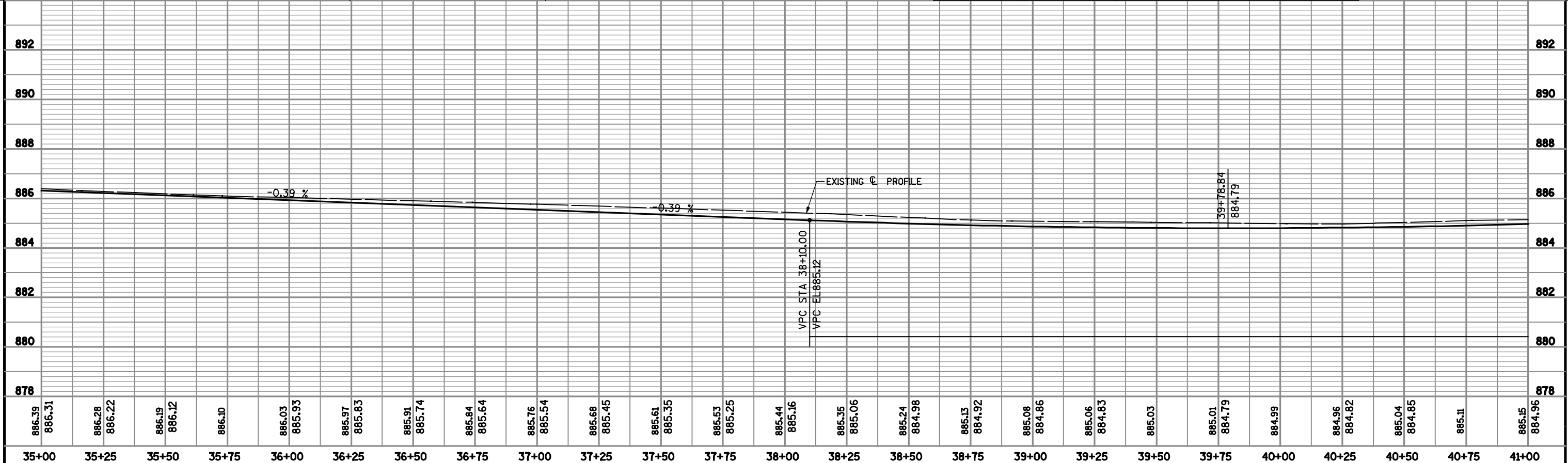
NO.	STATION	DESCRIPTION	ELEV.
3	29+96.38	SE CORNER OF BRIDGE, DISK ABOVE PLATE, 22.5' RT	890.57



PROJECT NO: 4322-08-71	HWY: STH 67	COUNTY: MANITOWOC	PLAN AND PROFILE	SHEET	E
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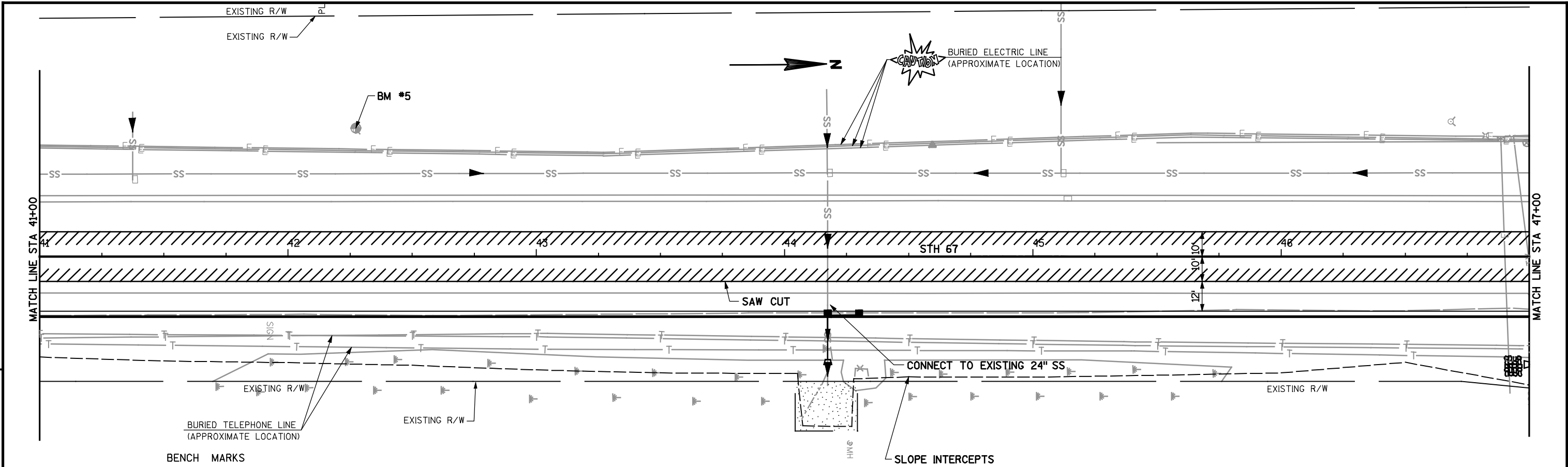


NO.	STATION	DESCRIPTION	ELEV.
4	38+25.68	"OPEN" ON 1ST HYDRANT N OF FREMONT, 49.75' LT.	887.45



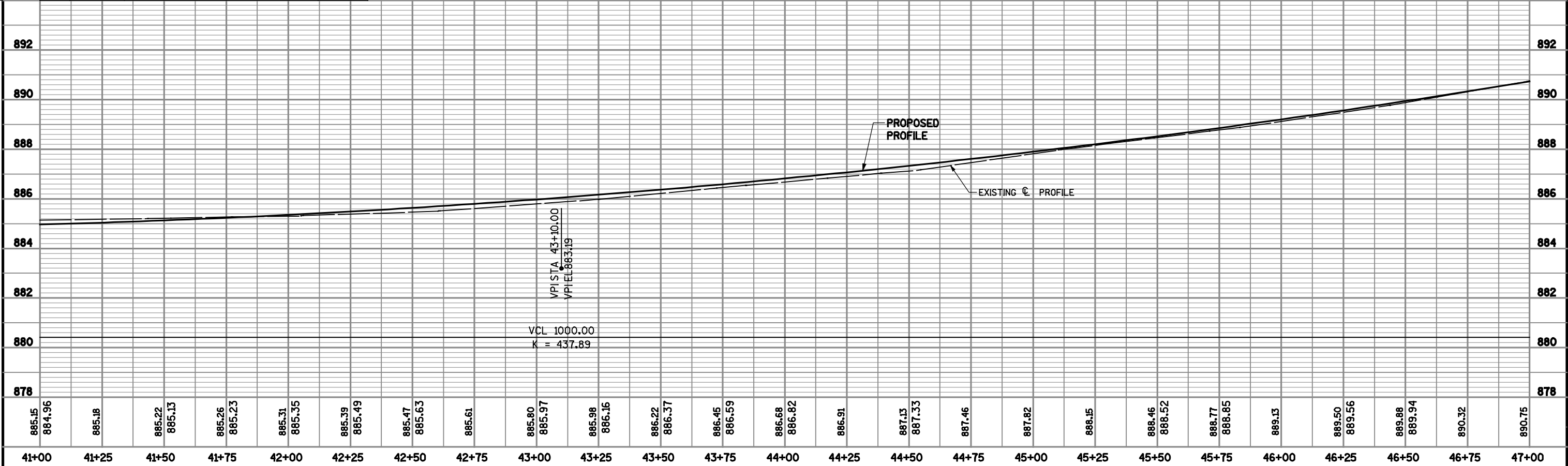
886.39 886.31	886.28 886.22	886.19 886.12	886.10	886.03 885.93	885.97 885.83	885.91 885.74	885.84 885.64	885.76 885.54	885.68 885.45	885.61 885.35	885.53 885.25	885.44 885.16	885.35 885.06	885.24 884.98	885.13 884.92	885.08 884.86	885.06 884.83	885.03	885.01 884.79	884.99	884.96 884.82	885.04 884.85	885.11	885.15 884.96
35+00	35+25	35+50	35+75	36+00	36+25	36+50	36+75	37+00	37+25	37+50	37+75	38+00	38+25	38+50	38+75	39+00	39+25	39+50	39+75	40+00	40+25	40+50	40+75	41+00

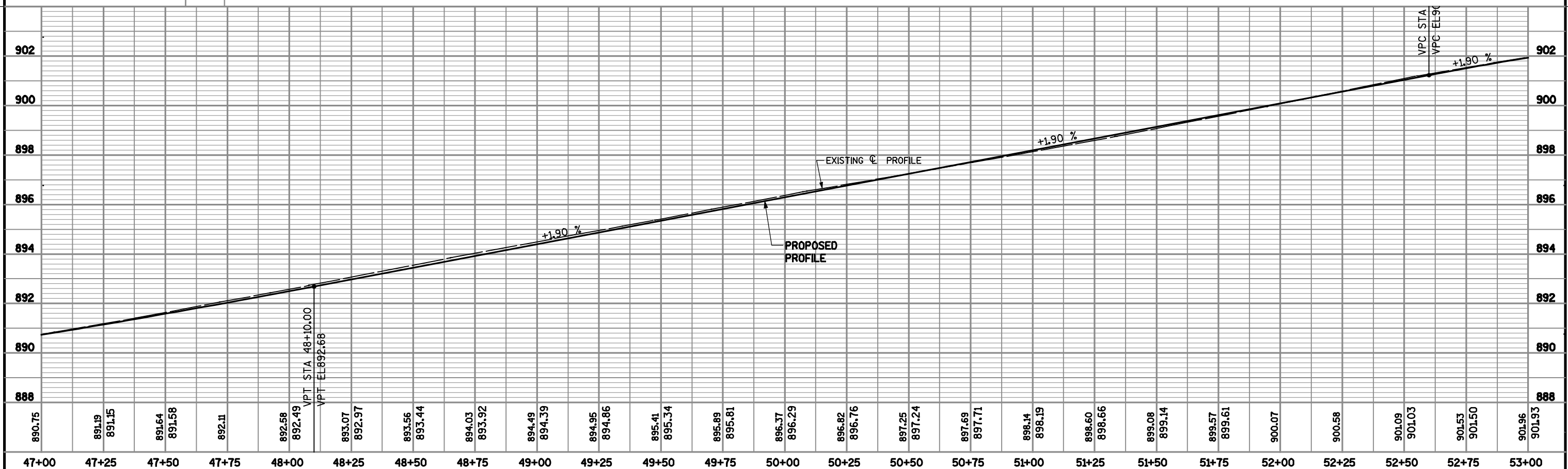
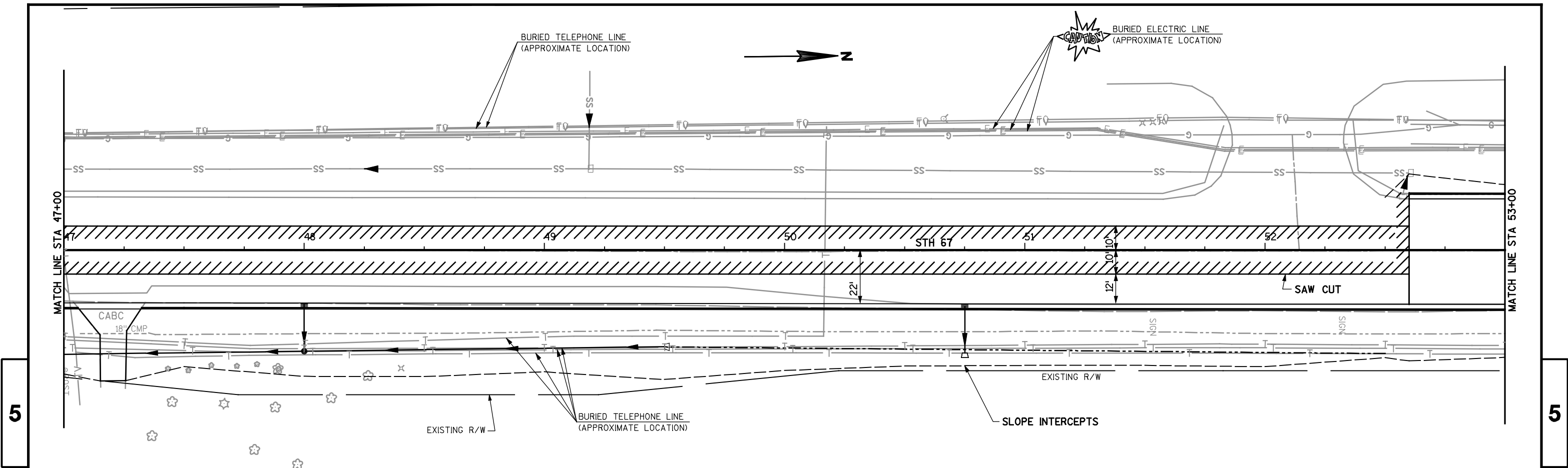
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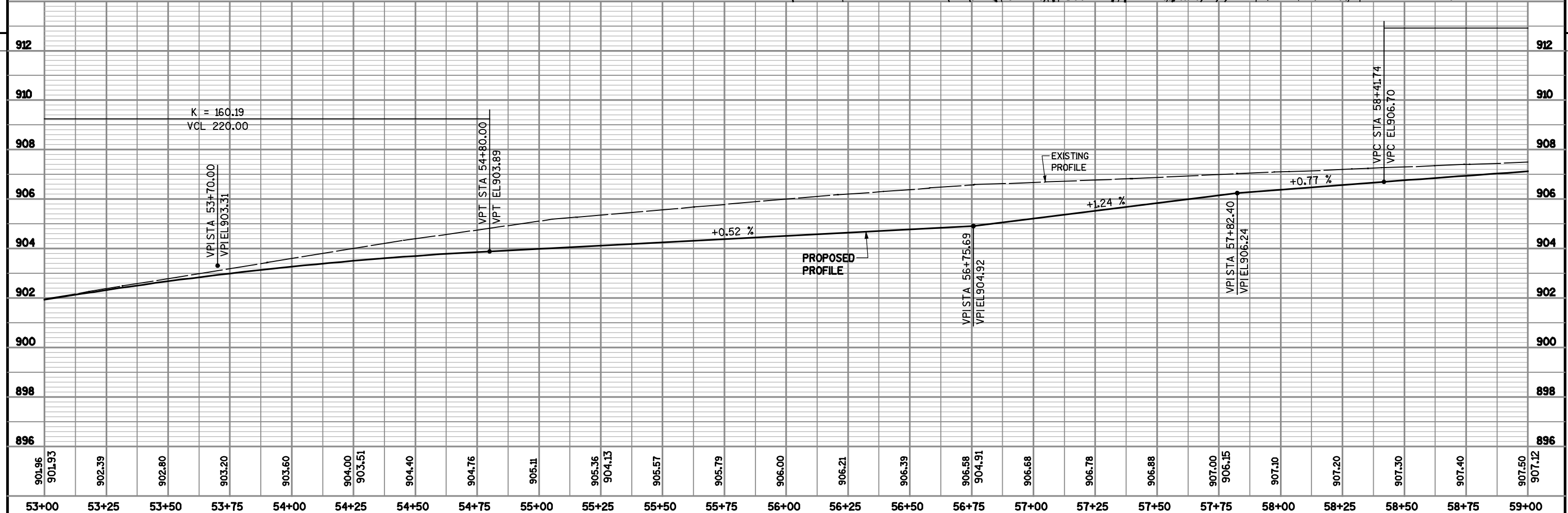
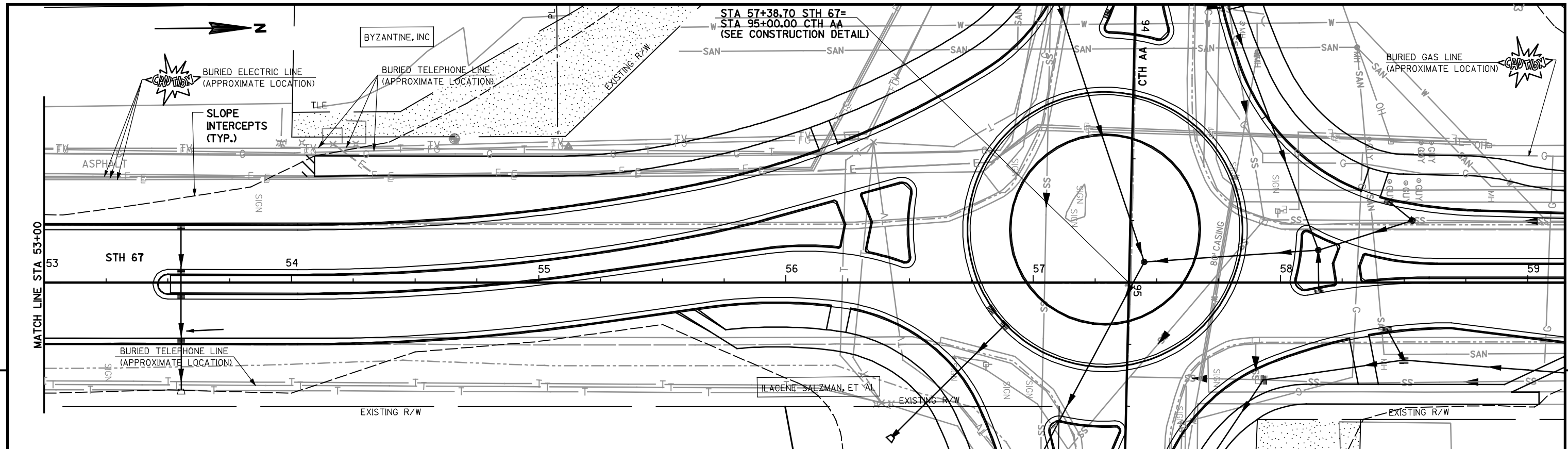


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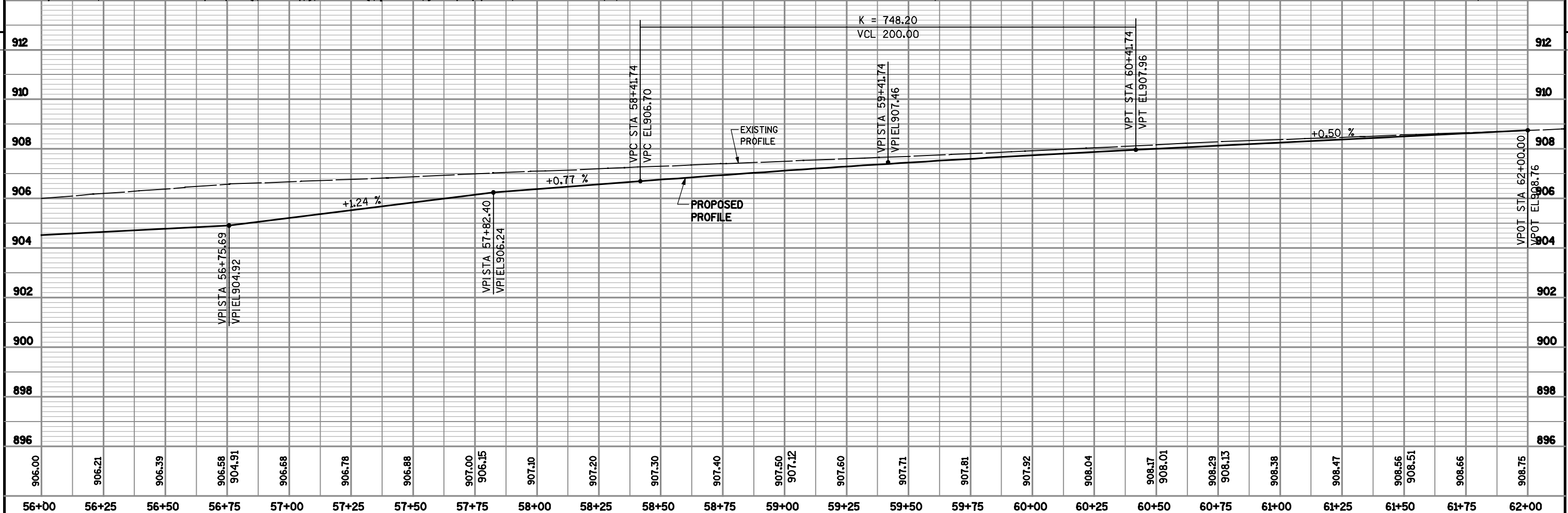
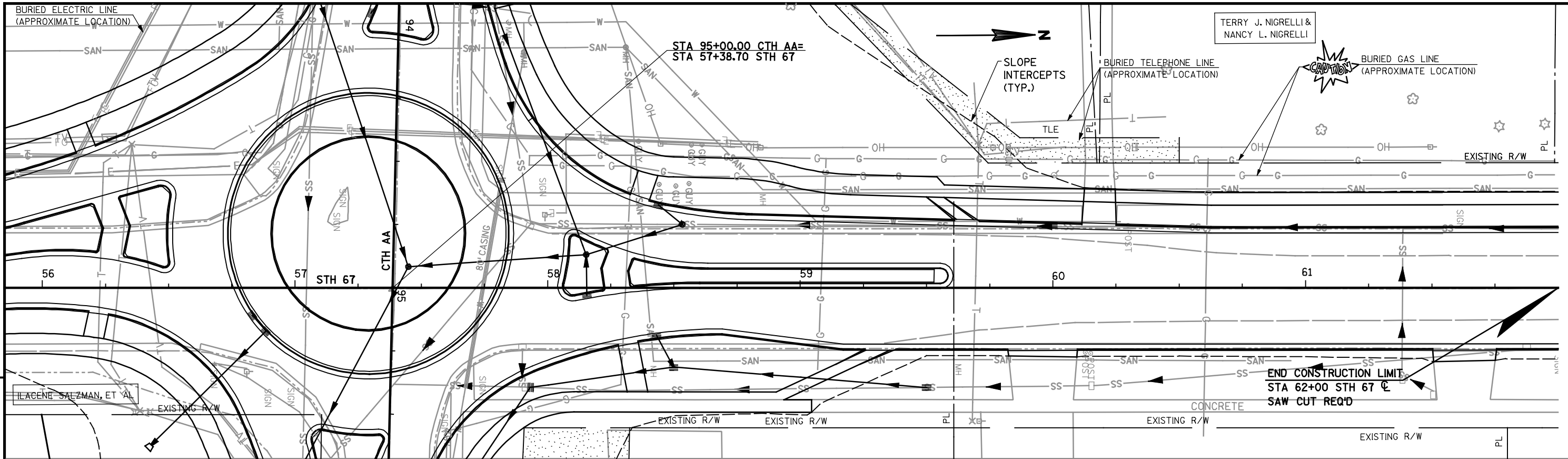
NO.	STATION	DESCRIPTION	ELEV.
5	42+27.28	"OPEN" ON HYDRANT	886.64



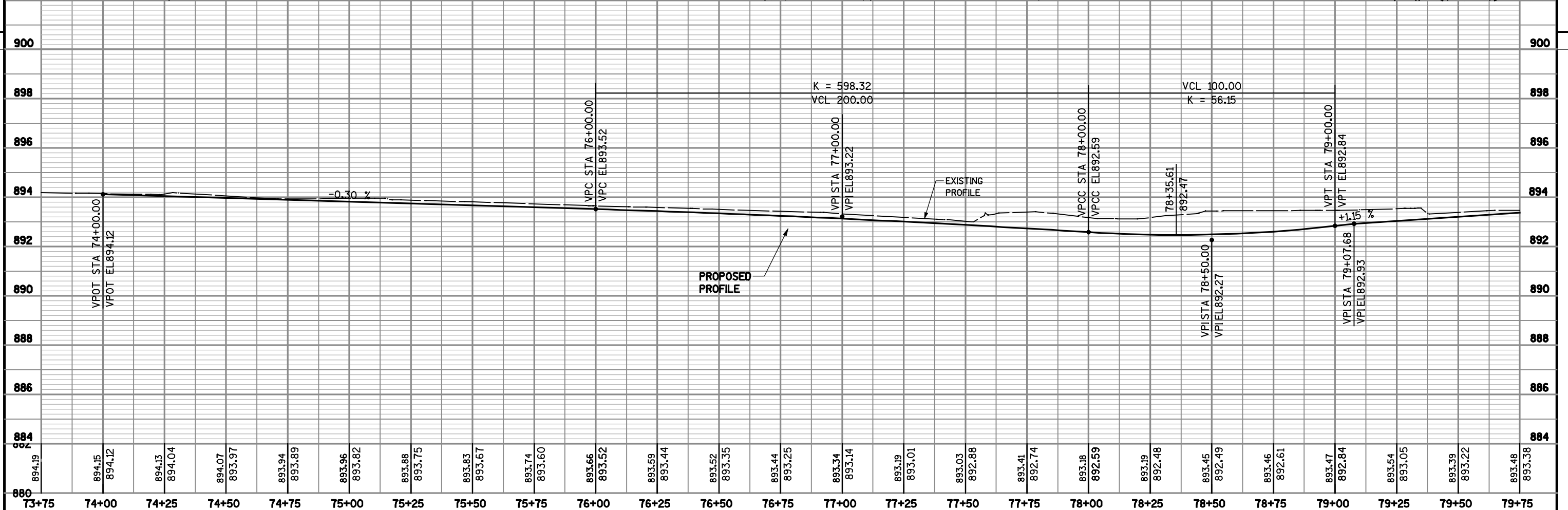
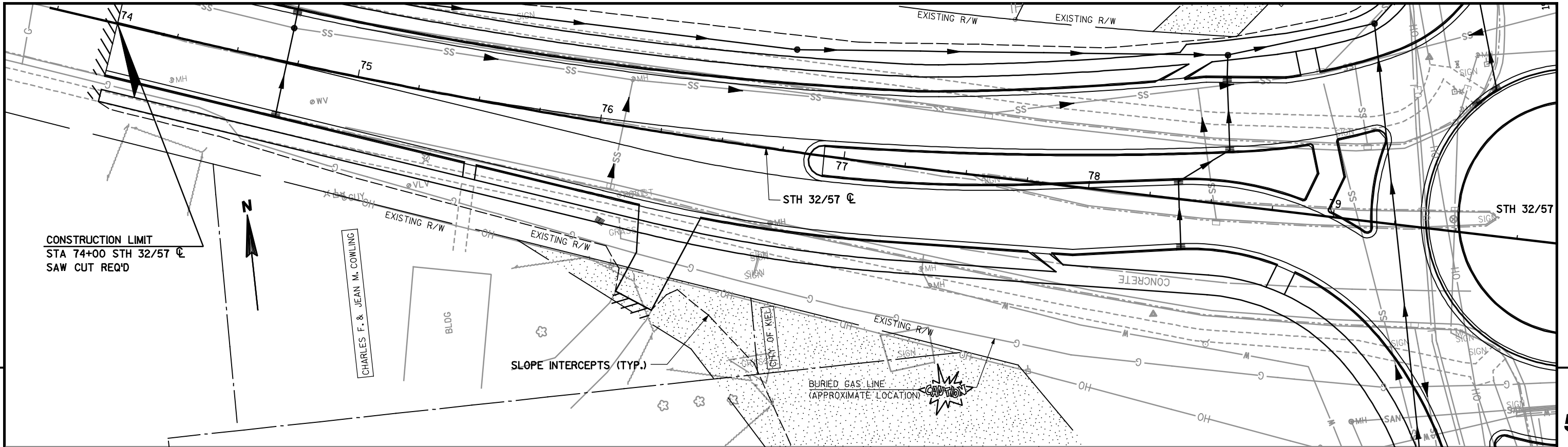




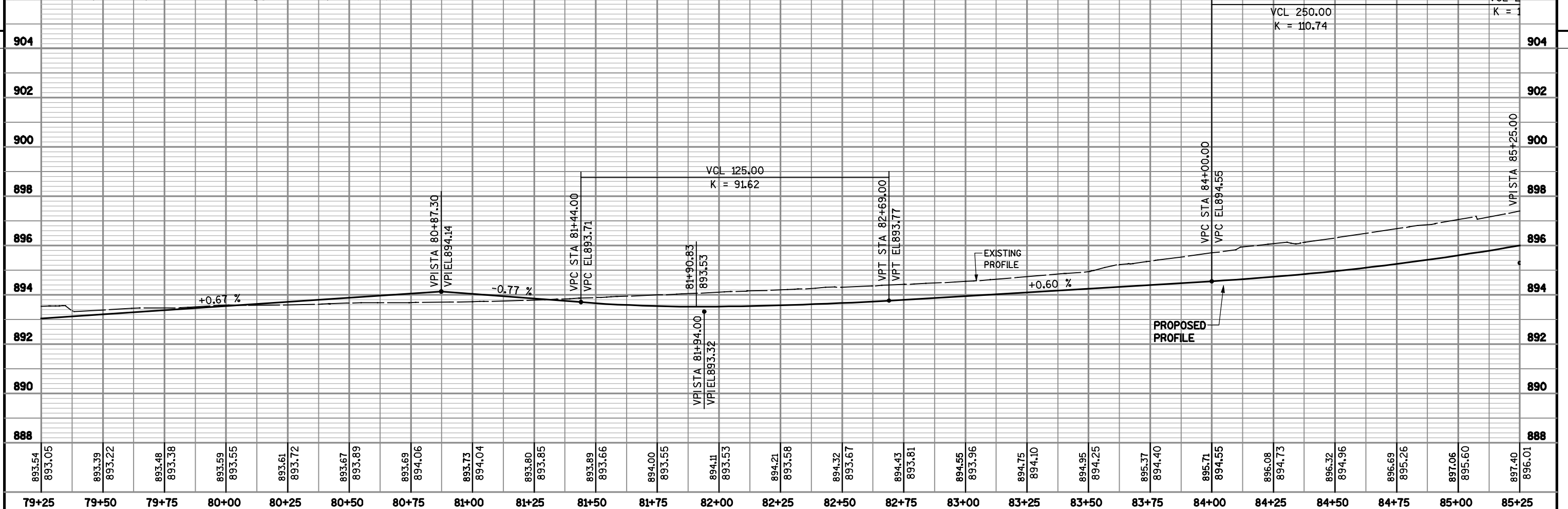
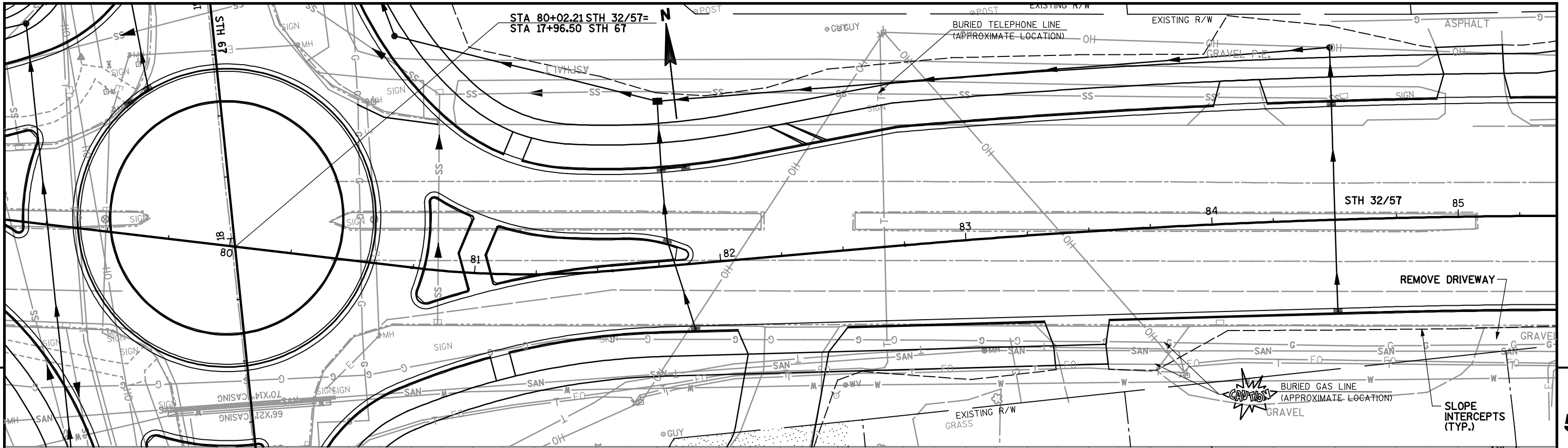
PROJECT NO: 4322-08-71					HWY: STH 67					COUNTY: MANITOWOC					PLAN AND PROFILE					SHEET					E
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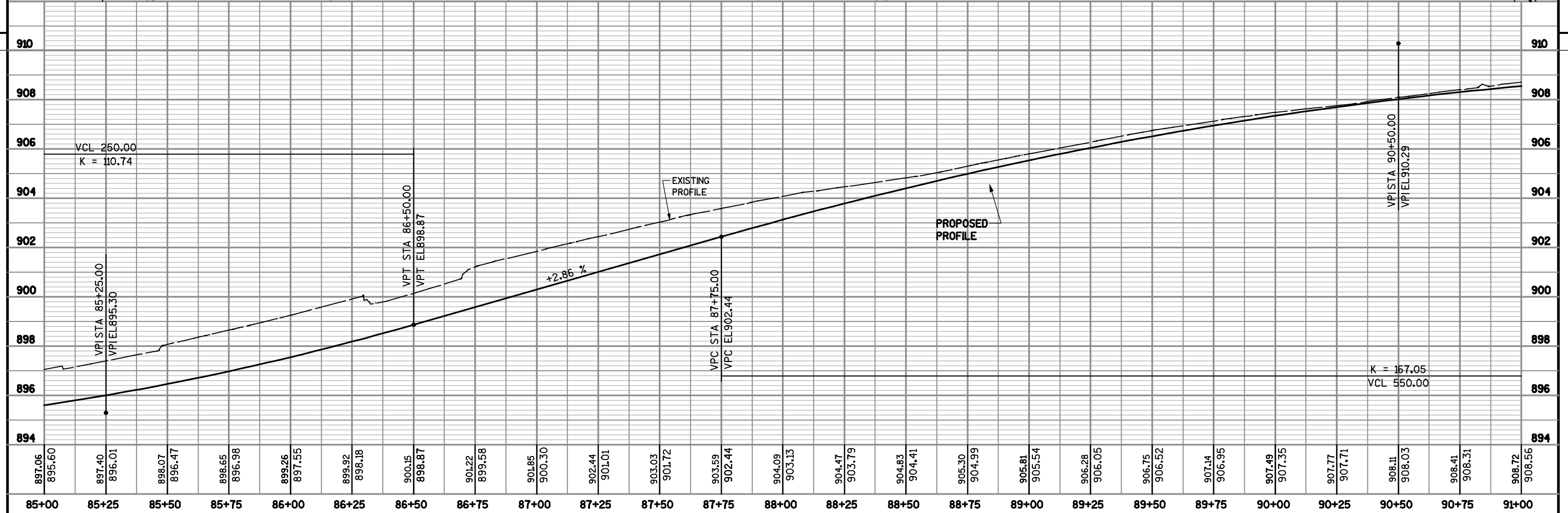
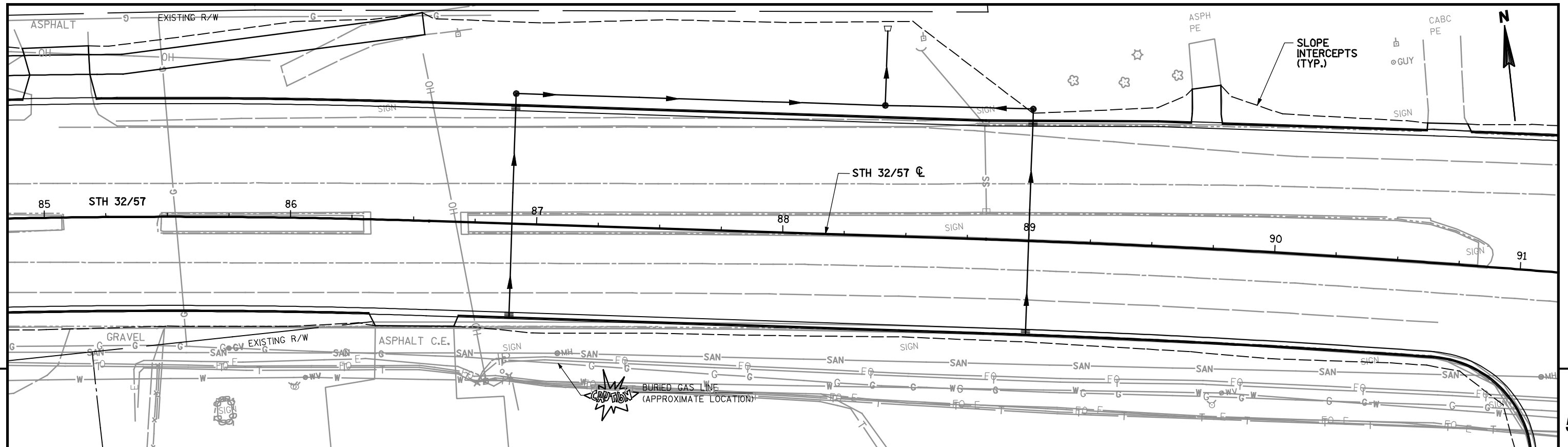
PROJECT NO: 4322-08-71					HWY: STH 67					COUNTY: MANITOWOC					PLAN AND PROFILE					SHEET					E				
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PROJECT NO: 4322-08-71					HWY: STH 67					COUNTY: MANITOWOC					PLAN AND PROFILE					SHEET					E
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PROJECT NO: 4322-08-71					HWY: STH 32/57					COUNTY: MANITOWOC					PLAN AND PROFILE					SHEET					E				
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PROJECT NO: 4322-08-71

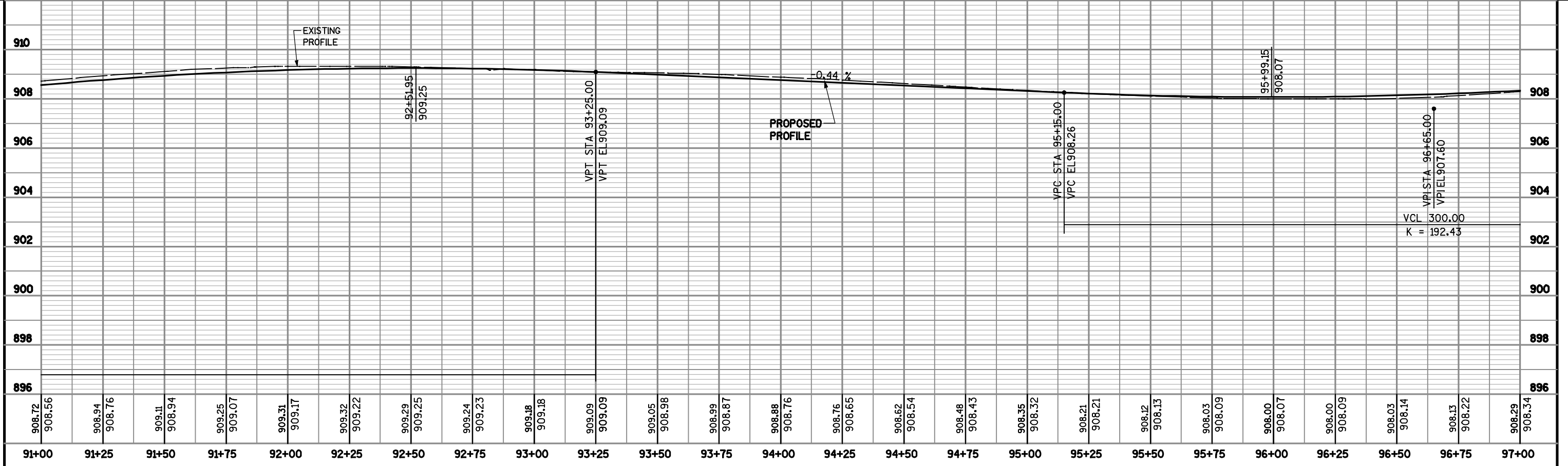
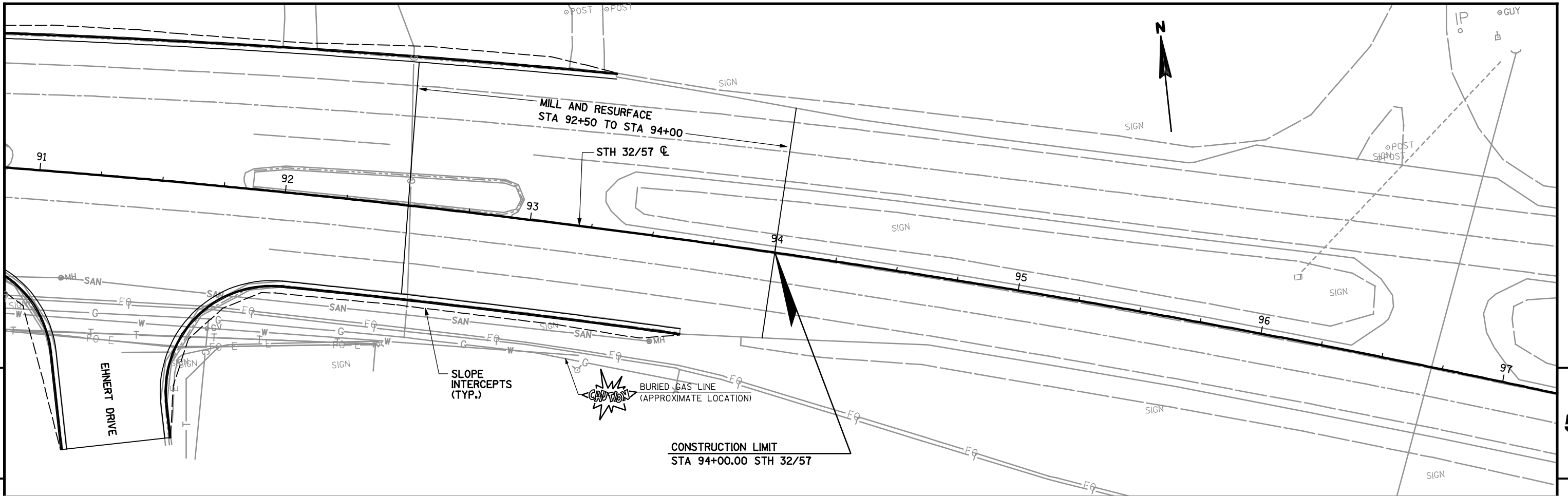
HWY: STH 32/57

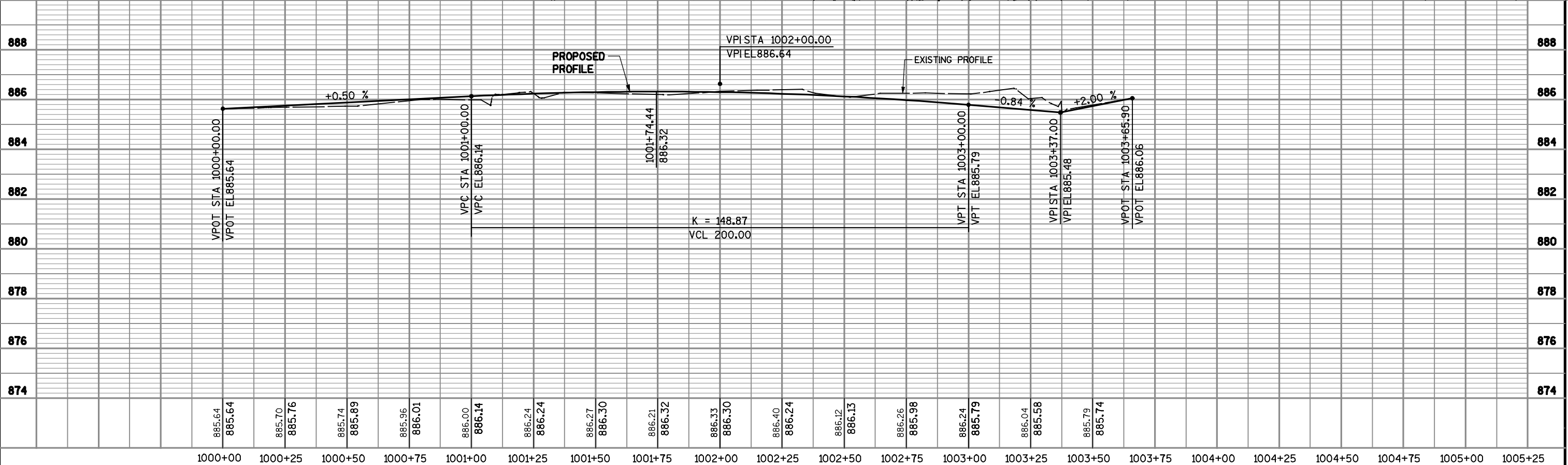
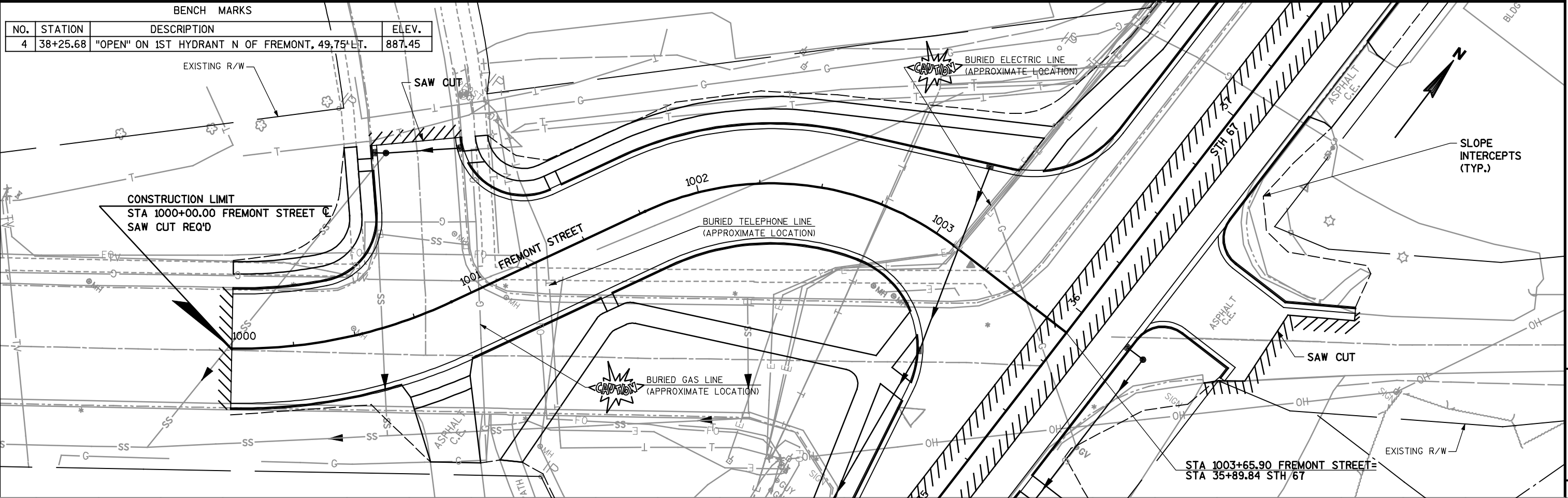
COUNTY: MANITOWOC

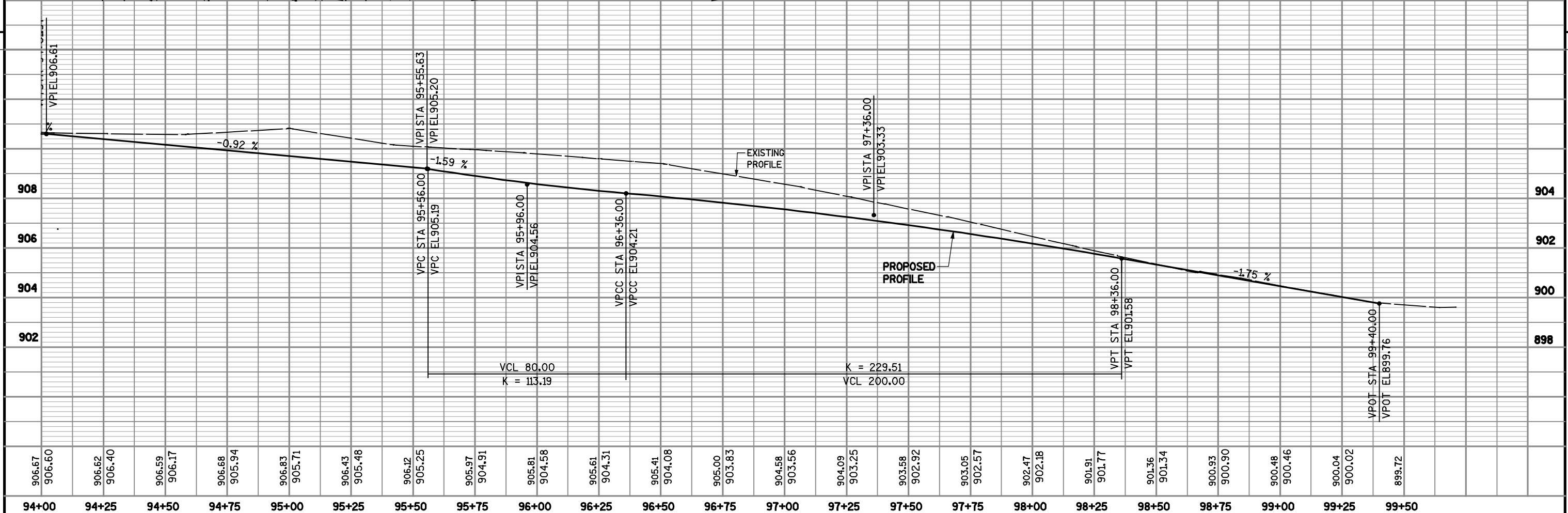
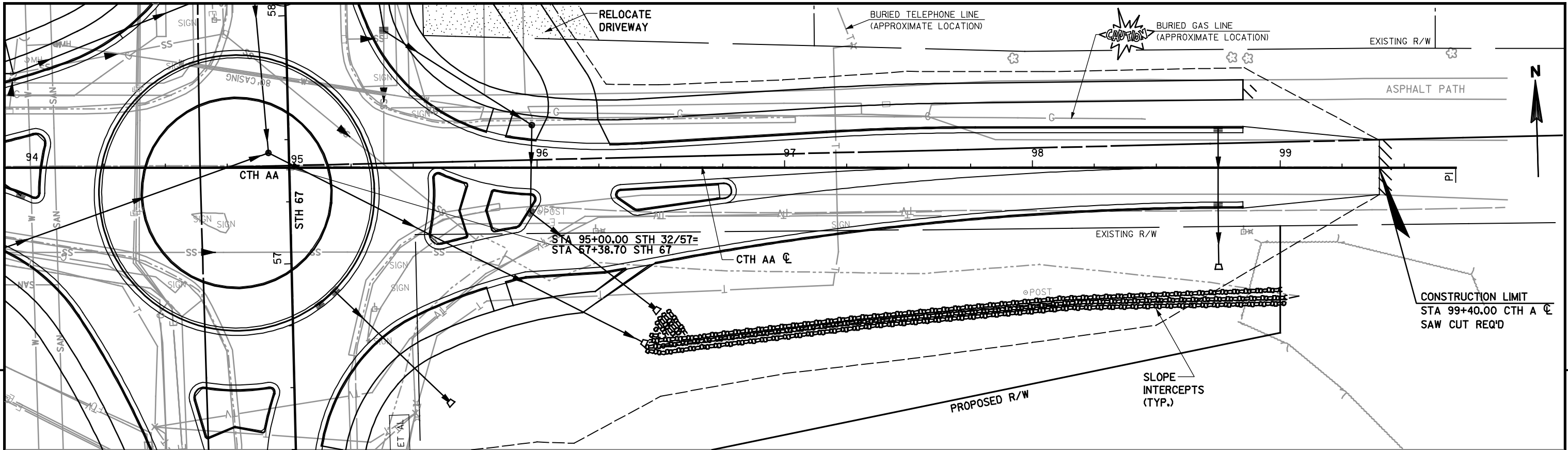
PLAN AND PROFILE

SHEET

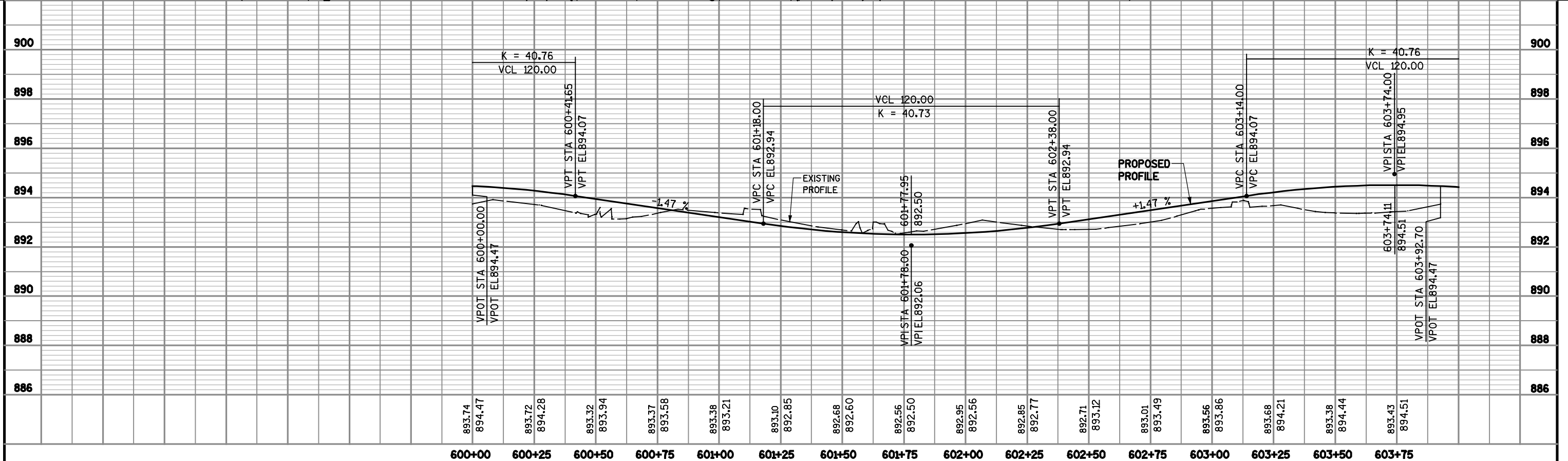
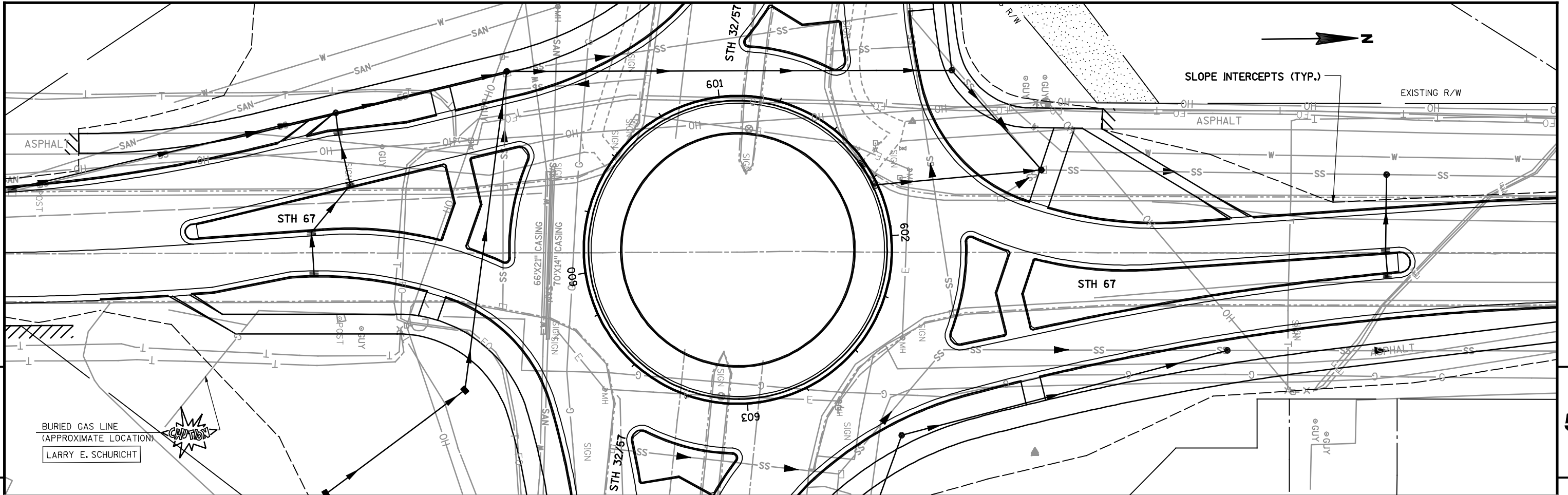
E







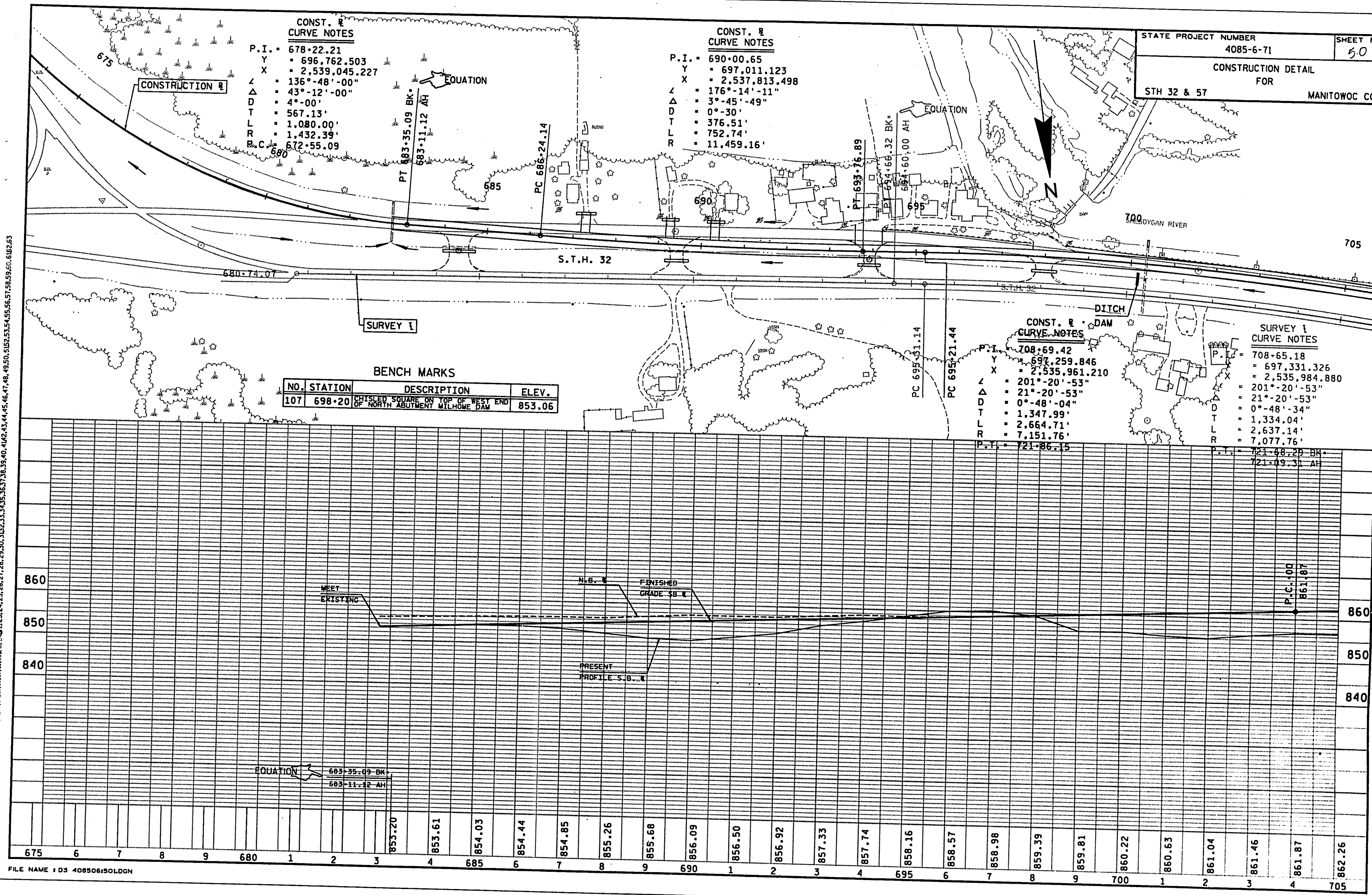
PROJECT NO: 4322-08-71	HWY: CTH AA	COUNTY: MANITOWOC	PLAN AND PROFILE	SHEET	E
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PROJECT NO: 4322-08-71	HWY: STH 32/57 ROUNDABOUT	COUNTY: MANITOWOC	PLAN AND PROFILE	SHEET	E
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As-built Number 2

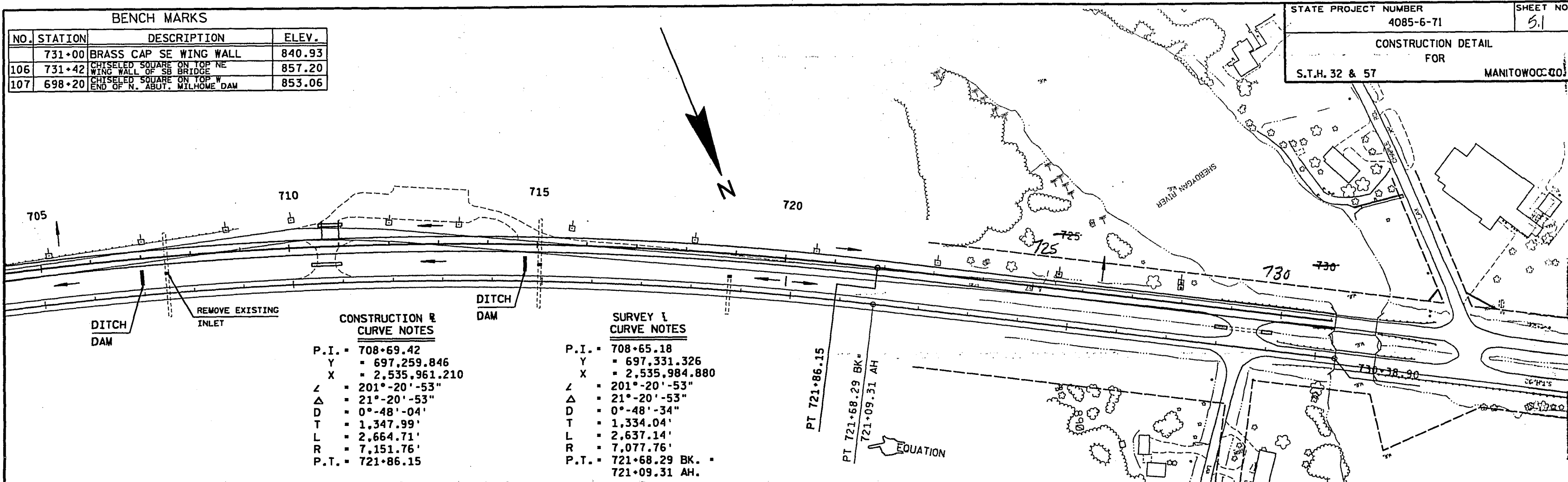
LEVELS ON = 11.2, 11.14, 11.16, 11.17, 11.18, 11.19, 11.20, 11.21, 11.22, 11.23, 11.24, 11.25, 11.26, 11.27, 11.28, 11.29, 11.30, 11.31, 11.32, 11.33, 11.34, 11.35, 11.36, 11.37, 11.38, 11.39, 11.40, 11.41, 11.42, 11.43, 11.44, 11.45, 11.46, 11.47, 11.48, 11.49, 11.50, 11.51, 11.52, 11.53, 11.54, 11.55, 11.56, 11.57, 11.58, 11.59, 11.60, 11.61, 11.62, 11.63



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
	731+00	BRASS CAP SE WING WALL	840.93
106	731+42	CHISELED SQUARE ON TOP NE WING WALL OF SB BRIDGE	857.20
107	698+20	CHISELED SQUARE ON TOP W END OF N. ABUT. MILHOME DAM	853.06

STATE PROJECT NUMBER 4085-6-71	SHEET NO. 51
CONSTRUCTION DETAIL FOR S.T.H. 32 & 57 MANITOWOC CO.	

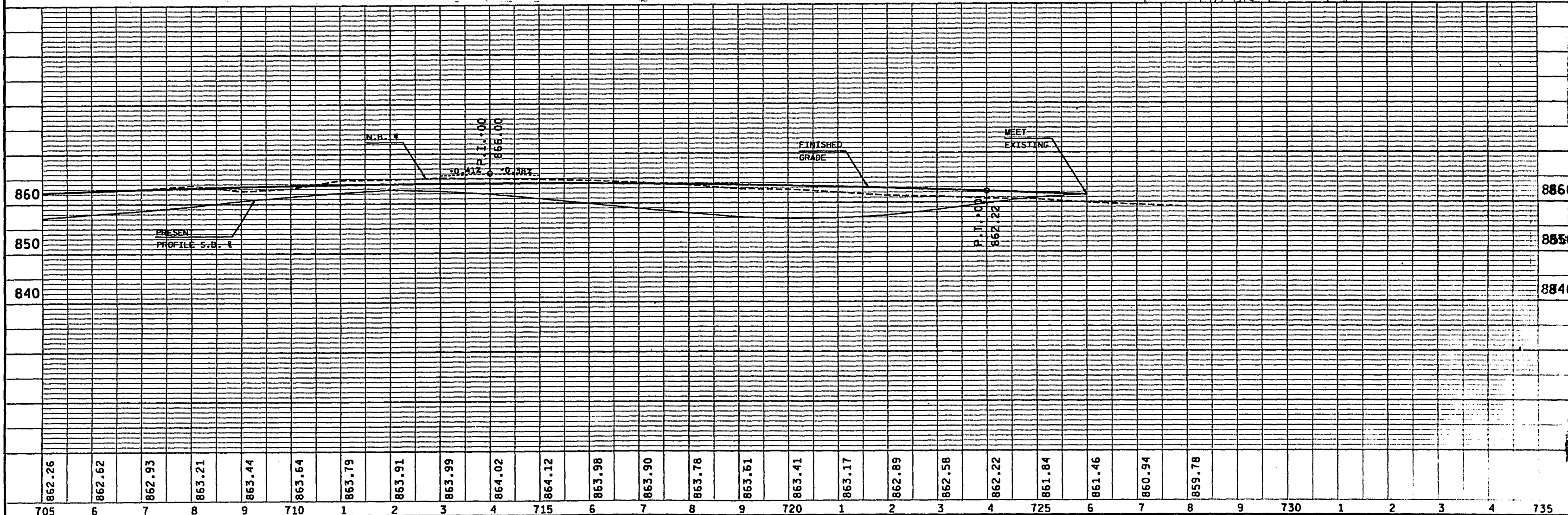


CONSTRUCTION & CURVE NOTES

P.I. = 708+69.42
 Y = 697,259.846
 X = 2,535,961.210
 Δ = 201°-20'-53"
 Δ = 21°-20'-53"
 D = 0°-48'-04"
 T = 1,347.99'
 L = 2,664.71'
 R = 7,151.76'
 P.T. = 721+86.15

SURVEY & CURVE NOTES

P.I. = 708+65.18
 Y = 697,331.326
 X = 2,535,984.880
 Δ = 201°-20'-53"
 Δ = 21°-20'-53"
 D = 0°-48'-34"
 T = 1,334.04'
 L = 2,637.14'
 R = 7,077.76'
 P.T. = 721+68.29 BK. = 721+09.31 AH.





P.I. = 792+59.81
 $\angle$ = 190°-40'-00"
 Δ = 10°-40'-00"

1-1.8" PIPE REQ'D

MUELLER RD.

The diagram illustrates five different erosion control methods, each represented by a unique symbol and a corresponding label:

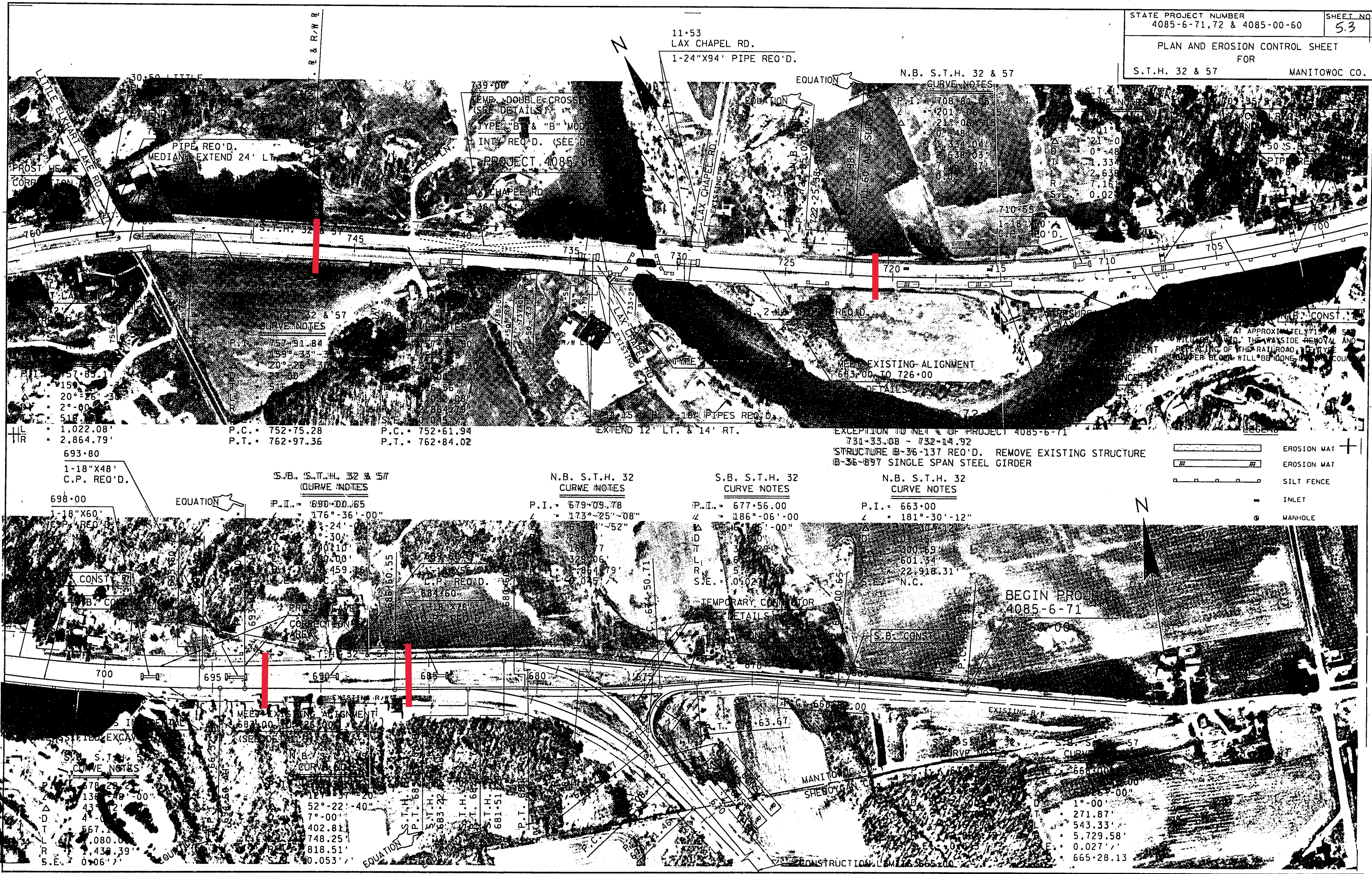
- SOD:** Represented by a horizontal rectangle filled with small dots.
- EROSION MAT:** Represented by a horizontal rectangle with diagonal hatching lines.
- SILT FENCE:** Represented by a horizontal line with four small vertical rectangles (posts) spaced along it.
- MEDIUM RANDOM RIPRAP:** Represented by a cluster of irregular, rounded shapes, resembling stones or boulders.
- INLET:** Represented by a small, solid black square.

P.I. = 757.78.50
 $\angle$ = 159°-33'-30"
 Δ = 20'-26'-30"

B.1. > 757.85.17
A. = 189.53.30
Δ = 26.30"
D = 00
E = 05.56
F = 022.08
G = 864.79

"B" & "B" UNIDENTIFIED & RECD
 SP. DETAIN
 18-10 CEMETERY, RI
 1-18-65 RIPE RECD

5.2.



As-built Number 3

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
68	691+30	SPIKE IN 10" ASH 110' LT.	850.52
69	698+18	PAINT MK. ON STEEL CROSS MEMBER NO. END CONC. MILL RACE NO. END OF BRIDGE 58' LT.	852.25
70	703+00	SPIKE POWER POLE 20' LT.	855.49
71	710+88	SPIKE 40" ELM 50' LT	858.89
72	720+85	SPIKE POWER POLE 18' LT	856.51

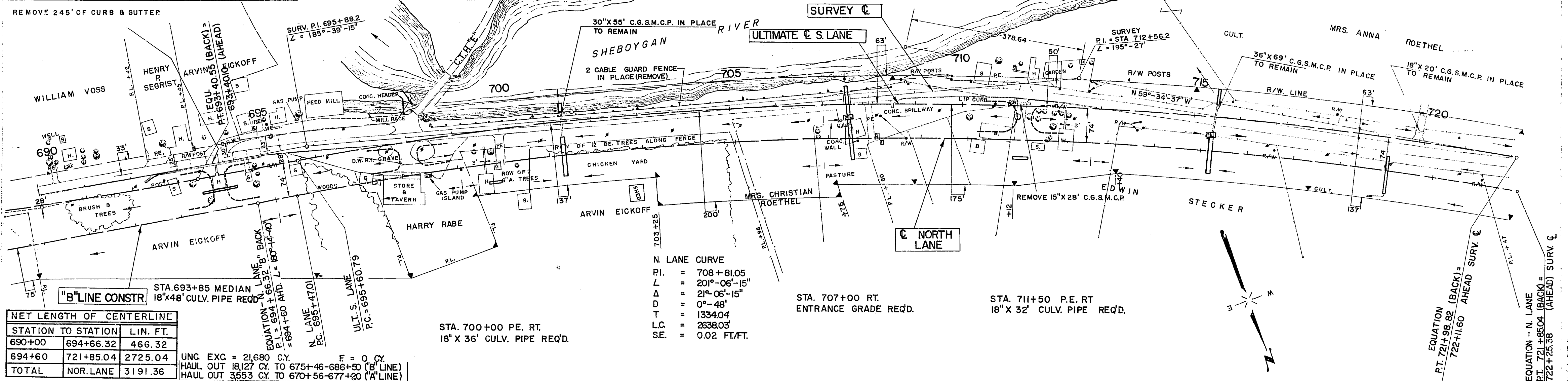
REMOVE 245' OF CURB & GUTTER

ULT. S. LANE CURVE

PI. = 708+94.83 (INACCESSIBLE)
 L = 201°-06'-15"
 Δ = 21°-06'-15"
 D = 0°-48'
 T = 1,334.04'
 L = 2,638.03'
 SE. = 0.02 FT/FT

F 02-4(16)

6 99



NET LENGTH OF CENTERLINE

STATION TO STATION		LIN. FT.
690+00	694+66.32	466.32
694+60	721+85.04	2725.04
TOTAL	NOR. LANE	3191.36

UNC. EXC. = 21,680 C.Y.
 HAUL OUT 18,127 C.Y. TO 675+46-686+50 ('B' LINE)
 HAUL OUT 3,553 C.Y. TO 670+56-677+20 ('A' LINE)

UNC. EXC. = 12,891 C.Y.
 F = 0 C.Y.
 HAUL OUT 9,390 C.Y. TO STA. 671+00 - 679+00
 HAUL OUT 3,501 C.Y. TO STA. 679+00 - 686+00

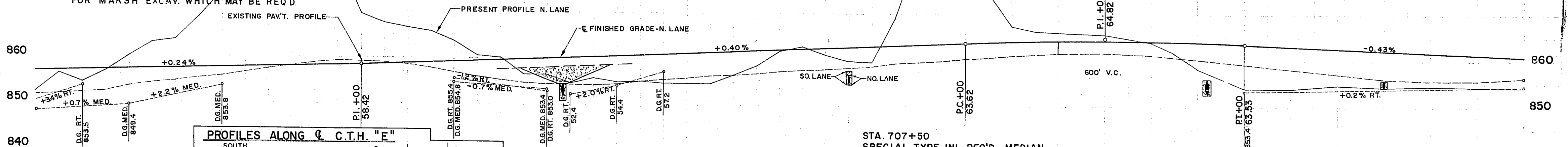
UNC. EXC. = 44,08 C.Y.
 F = 154 C.Y.
 WASTE = 43,927 C.Y.

UNC. EXC. = 7,877 C.Y.
 F = 6,701 C.Y.

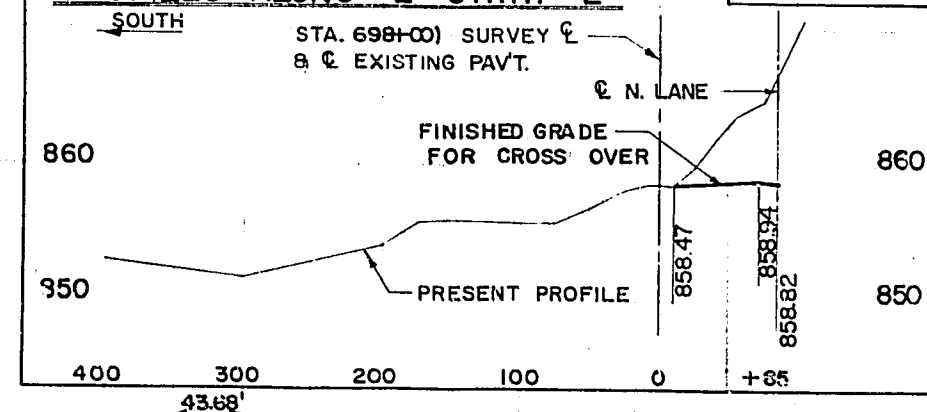
UNC. EXC. = 5,752 C.Y.
 F = 63 C.Y.
 WASTE = 5,678 C.Y.

UNC. EXC. = 19,444 C.Y.
 F = 14,996 C.Y.
 HAUL OUT 1,744 C.Y. TO STA. 729+00 - 739+62

NOTE: DURING CONSTRUCTION INVESTIGATE LOW GROUND STA. 691 TO 692+25 FOR MARSH EXCAV. WHICH MAY BE REQ'D



PROFILES ALONG C.T.H. "F"



STA. 701+35 NO. LANE
 30" X 88' CULV. PIPE REQ'D.

STA. 701+35 SO. LANE
 30" X 55' C.G.S.M.C.P. IN PLACE
 EXTEND LT. 18'
 30" X 18' C.M.C.P. REQ'D.

STA. 707+50
 SPECIAL TYPE INL. REQ'D.-MEDIAN
 EL. TOP = 855.00
 F.L. = 852.25
 BOT. = 851.58
 24" X 100' C.P. REQ'D.-NOR. LANE
 24" X 64' C.P. REQ'D.-SO. LANE

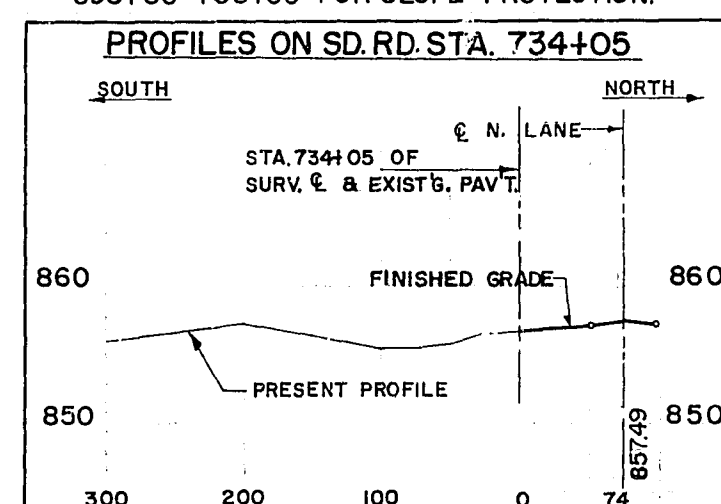
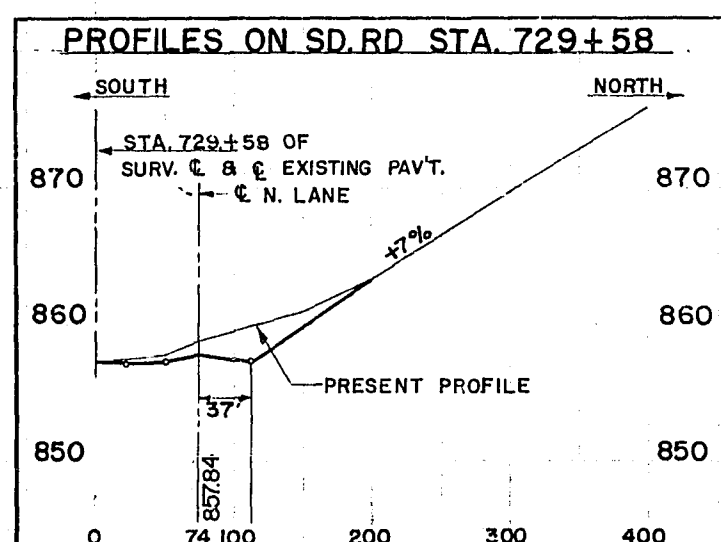
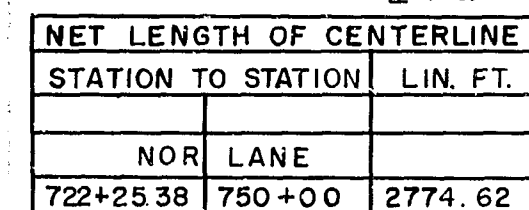
STA. 719+00 NOR. LANE.
 18" X 80' CULV. PIPE REQ'D.

STA. 715+20
 SPECIAL TYPE INL. REQ'D.-MEDIAN
 EL. TOP = 856.50
 F.L. = 852.60
 BOT. = 851.93
 36" X 80' C.P. REQ'D.-NOR. LANE
 36" X 36' C.M.P. EXT. REQ'D. ON LT.-SO. LANE

690	856.74	+50	856.86	+50	856.98	+50	857.10	+50	857.22	+50	857.34	+50	857.46	+50	857.58	+50	857.70	+50	857.82	+50	857.94	+50	858.06	+50	858.18	+50	858.30	+50	858.42	+50	858.54	+50	858.66	+50	858.78	+50	858.90	+50	859.02	+50	859.14	+50	859.26	+50	859.38	+50	859.50	+50	859.62	+50	859.74	+50	859.86	+50	859.98	+50	860.10	+50	860.22	+50	860.34	+50	860.46	+50	860.58	+50	860.70	+50	860.82	+50	860.94	+50	861.06	+50	861.18	+50	861.30	+50	861.42	+50	861.54	+50	861.66	+50	861.78	+50	861.90	+50	862.02	+50	862.14	+50	862.26	+50	862.38	+50	862.50	+50	862.62	+50	862.74	+50	862.86	+50	862.98	+50	863.10	+50	863.22	+50	863.34	+50	863.46	+50	863.58	+50	863.70	+50	863.82	+50	863.94	+50	864.06	+50	864.18	+50	864.30	+50	864.42	+50	864.54	+50	864.66	+50	864.78	+50	864.90	+50	865.02	+50	865.14	+50	865.26	+50	865.38	+50	865.50	+50	865.62	+50	865.74	+50	865.86	+50	865.98	+50	866.10	+50	866.22	+50	866.34	+50	866.46	+50	866.58	+50	866.70	+50	866.82	+50	866.94	+50	867.06	+50	867.18	+50	867.30	+50	867.42	+50	867.54	+50	867.66	+50	867.78	+50	867.90	+50	868.02	+50	868.14	+50	868.26	+50	868.38	+50	868.50	+50	868.62	+50	868.74	+50	868.86	+50	868.98	+50	869.10	+50	869.22	+50	869.34	+50	869.46	+50	869.58	+50	869.70	+50	869.82	+50	869.94	+50	870.06	+50	870.18	+50	870.30	+50	870.42	+50	870.54	+50	870.66	+50	870.78	+50	870.90	+50	871.02	+50	871.14	+50	871.26	+50	871.38	+50	871.50	+50	871.62	+50	871.74	+50	871.86	+50	871.98	+50	872.10	+50	872.22	+50	872.34	+50	872.46	+50	872.58	+50	872.70	+50	872.82	+50	872.94	+50	873.06	+50	873.18	+50	873.30	+50	873.42	+50	873.54	+50	873.66	+50	873.78	+50	873.90	+50	874.02	+50	874.14	+50	874.26	+50	874.38	+50	874.50	+50	874.62	+50	874.74	+50	874.86	+50	874.98	+50	875.10	+50	875.22	+50	875.34	+50	875.46	+50	875.58	+50	875.70	+50	875.82	+50	875.94	+50	876.06	+50	876.18	+50	876.30	+50	876.42	+50	876.54	+50	876.66	+50	876.78	+50	876.90	+50	877.02	+50	877.14	+50	877.26	+50	877.38	+50	877.50	+50	877.62	+50	877.74	+50	877.86	+50	877.98	+50	878.10	+50	878.22	+50	878.34	+50	878.46	+50	878.58	+50	878.70	+50	878.82	+50	878.94	+50	879.06	+50	879.18	+50	879.30	+50	879.42	+50	879.54	+50	879.66	+50	879.78	+50	879.90	+50	880.02	+50	880.14	+50	880.26	+50	880.38	+50	880.50	+50	880.62	+50	880.74	+50	880.86	+50	880.98	+50	881.10	+50	881.22	+50	881.34	+50	881.46	+50	881.58	+50	881.70	+50	881.82	+50	881.94	+50	882.06	+50	882.18	+50	882.30	+50	882.42	+50	882.54	+50	882.66	+50	882.78	+50	882.90	+50	883.02	+50	883.14	+50	883.26	+50	883.38	+50	883.50	+50	883.62	+50	883.74	+50	883.86	+50	883.98	+50	884.10	+50	884.22	+50	884.34	+50	884.46	+50	884.58	+50	884.70	+50	884.82	+50	884.94	+50	885.06	+50	885.18	+50	885.30	+50	885.42	+50	885.54	+50	885.66	+50	885.78	+50	885.90	+50	886.02	+50	886.14	+50	886.26	+50	886.38	+50	886.50	+50	886.62	+50	886.74	+50	886.86	+50	886.98	+50	887.10	+50	887.22	+50	887.34	+50	887.46	+50	887.58	+50	887.70	+50	887.82	+50	887.94	+50	888.06	+50	888.18	+50	888.30	+50	888.42	+50	888.54	+50	888.66	+50	888.78	+50	888.90	+50	889.02	+50	889.14	+50	889.26	+50	889.38	+50	889.50	+50	889.62	+50	889.74	+50	889.86	+50	889.98	+50	890.10	+50	890.22	+50	890.34	+50	890.46	+50	890.58	+50	890.70	+50	890.82	+50	890.94	+50	891.06	+50	891.18	+50	891.30	+50	891.42	+50	891.54	+50	891.66	+50	891.78	+50	891.90	+50	892.02	+50	892.14	+50	892.26	+50	892.38	+50	892.50	+50	892.62	+50	892.74	+50	892.86	+50	892.98	+50	893.10	+50	893.22	+50	893.34	+50	893.46	+50	893.58	+50	893.70	+50	893.82	+50	893.94	+50	894.06	+50	894.18	+50	894.30	+50	894.42	+50	894.54	+50	894.66	+50	894.78	+50	894.90	+50	895.02	+50	895.14	+50	895.26	+50	895.38	+50	895.50	+50	895.62	+50	895.74	+50	895.86	+50	895.98	+50	896.10	+50	896.22	+50	896.34	+50	896.46	+50	896.58	+50	896.70	+50	896.82	+50	896.94	+50	897.06	+50	897.18	+50	897.30	+50	897.42	+50	897.54	+50	897.66	+50	897.78	+50	897.90	+50	898.02	+50	898.14	+50	898.26	+50	898.38	+50	898.50	+50	898.62	+50	898.74	+50	898.86	+50	898.98	+50	899.10	+50	899.22	+50	899.34	+50	899.46	+50	899.58	+50	899.70	+50	899.82	+50	899.94	+50	900.06	+50	900.18	+50	900.30	+50	900.42	+50	900.54	+50	900.66	+50	900.78	+50	900.90	+50	901.02	+50	901.14	+50	901.26	+50	901.38	+50	901.50	+50	901.62	+50	901.74	+50	901.86	+50	901.98	+50	902.10	+50	902.22	+50	902.34	+50	902.46	+50	902.58	+50	902.70	+50	902.82	+50	902.94	+50	903.06	+50	903.18	+50	903.30	+50	903.42	+50	903.54	+50	903.66	+50	903.78	+50	903.90	+50	904.02	+50	904.14	+50	904.26	+50	904.38	+50	904.50	+50	904.62	+50	904.74	+50	904.86	+50	904.98	+50	905.10	+50	905.22	+50	905.34	+50	905.46	+50	905.58	+50	905.70	+50	905.82	+50	905.94	+50	906.06	+50	906.18	+50	906.30	+50	906.42	+50	906.54	+50	906.66	+50	906.78	+50	906.90	+50	907.02	+50	907.14	+50	907.26	+50	907.38	+50	907.50	+50	907.62	+50	907.74	+50	907.86	+50	907.98	+50	908.10	+50	908.22	+50	908.34	+50	908.46	+50	908.58	+50	908.70	+50	908.82	+50	908.94	+50	909.06	+50	909.18	+50	909.30	+50	909.42	+50	909.54	+50	909.66	+50	909.78	+50	909.90	+50	910.02	+50	910.14	+50	910.26	+50	910.38	+50	910.50	+50	910.62	+50	910.74	+50	910.86	+50	910.98	+50	911.10	+50	911.22	+50	911.34	+50	911.46	+50	911.58	+50	911.70	+50	911.82	+50	911.94	+50	912.06	+50	912.18	+50	912.30	+50	912.42	+50	912.54	+50	912.66	+50	912.78	+50	912.90	+50	913.02	+50	913.14	+50	913.26	+50	913.38	+50	913.50	+50	913.62	+50	913.74	+50	913.86	+50	913.98	+50	914.10	+50	914.22	+50	914.34	+50	914.46	+50	914.58	+50	914.70	+50	914.82	+50	914.94	+50	915.06	+50	915.18	+50	915.30	+50	915.42	+50	915.54	+50	915.66	+50	915.78	+50	915.90	+50	916.02	+50	916.14	+50	916.26	+50	916.38	+50	916.50	+50	916.62	+50	916.74	+50	916.86	+50	916.98	+50	917.10	+50	917.22	+50	917.34	+50	917.46	+50	917.58	+50	917.70	+50	917.82	+50	917.94	+50	918.06	+50	918.18	+50	918.30	+50	918.42	+50	918.54	+50	918.66	+50	918.78	+50	918.90	+50	919.02	+50	919.14	+50	919.26	+50	919.38	+50	919.50	+50	919.62	+50	919.74	+50	919.86	+50	919.98	+50	920.10	+50	920.22	+50	920.34	+50	920.46	+50	920.58	+50	920.70	+50	920.82	+50	920.94	+50	
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BENCH MARKS

F 02-4 (16) 7 99



STA. 755+40 SD. RD. LT.
REMOVE 24"X41" C.G.S.M.C.P.
18"X52' CULV. PIPE REQ'D.
2 C.Y. RIP RAP REQ'D.

STA 758+00 PE. LT.
REMOVE 18"X20' C.G.S.M.C.P.
18"X32' CULV. PIPE REQ'D.

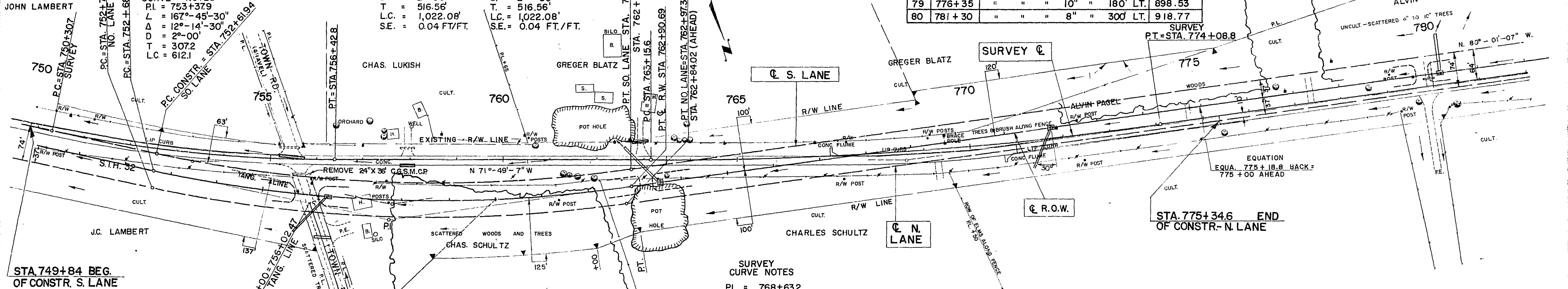
SURVEY
CURVE NOTES
P.I. = 753+379
L = 167'-45'-30"
Δ = 12°-14'-30"
D = 2°-00'
T = 307.2
L.C. = 612.1

SOUTH LANE
CONSTR. CURVE
P.I. = 757+78.50
L = 159'-33'-30"
Δ = 20°-26'-30"
D = 2°-00'
T = 516.56'
L.C. = 1,022.08'
S.E. = 0.04 FT./FT.

NO. LANE
CONSTR. CURVE
P.I. = 757+91.84
L = 159'-33'-30"
Δ = 20°-26'-30"
D = 2°-00'
T = 516.56'
L.C. = 1,022.08'
S.E. = 0.04 FT./FT.

BENCH MARKS				
NO.	STATION	DESCRIPTION		ELEV.
75	750+72	SPIKE IN POWER POLE	38' LT.	861.17
76	751+35	" " " "	60' RT.	867.23
77	760+52	" " " "	28' LT.	868.09
78	765+70	" " " "	106' RT.	885.93
79	776+35	" " " "	180' LT.	898.53
80	781+30	" " " "	300' LT.	918.77

STA 762+90 PE. LT.
REMOVE 24"X28' C.G.S.M.C.P.
18"X60' CULV. PIPE REQ'D.

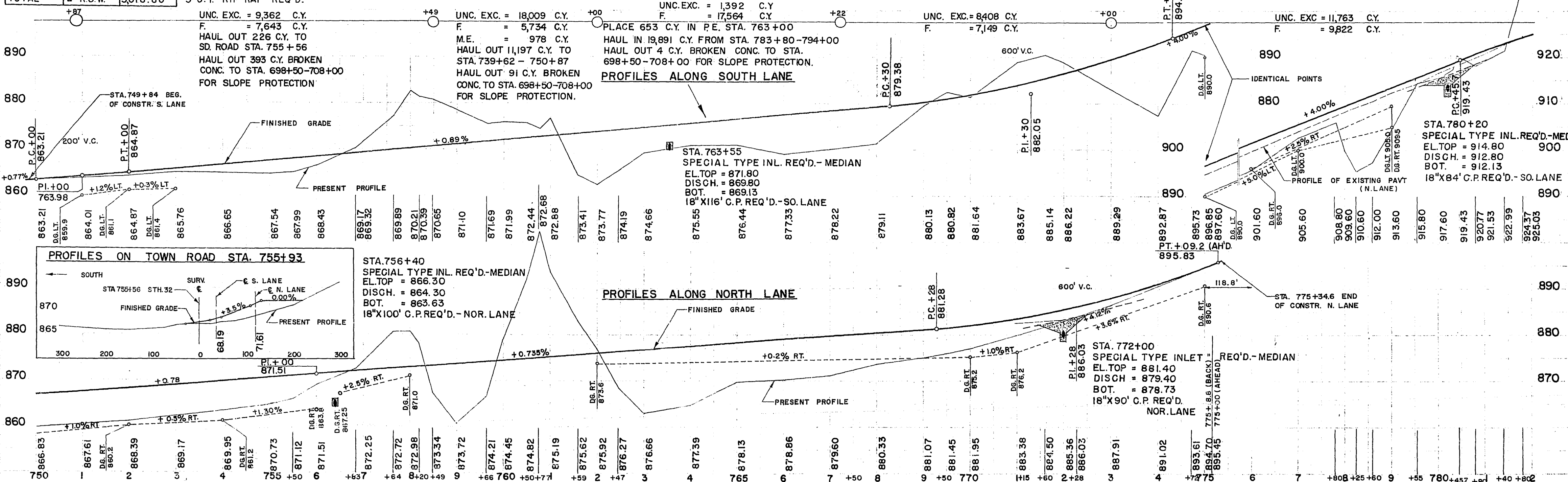


NET LENGTH OF CENTERLINE		
STATION TO STATION		LIN. FT.
750+00	775+18.80	2,518.80
775+00	780+00	500.00
TOTAL	L.R.O.W.	3,018.80

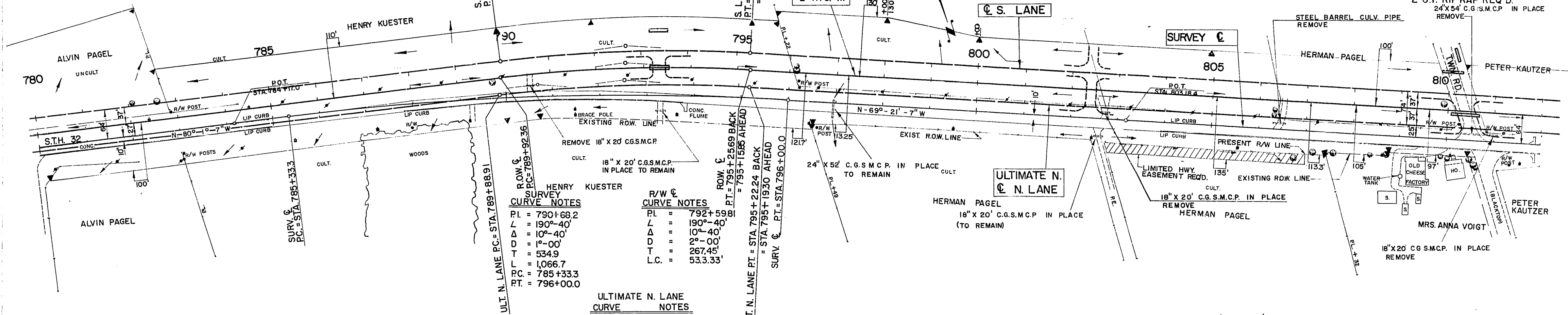
STA. 756+10 SD. RD. RT.
30"X72' CULV. PIPE REQ'D.
3 C.Y. RIP RAP REQ'D.

R/W CURVE
P.I. = 757+85.17
L = 159'-33'-30"
Δ = 20°-26'-30"
D = 2°-00'
T = 516.56'
L.C. = 1,022.08'
R = 2,864.93'

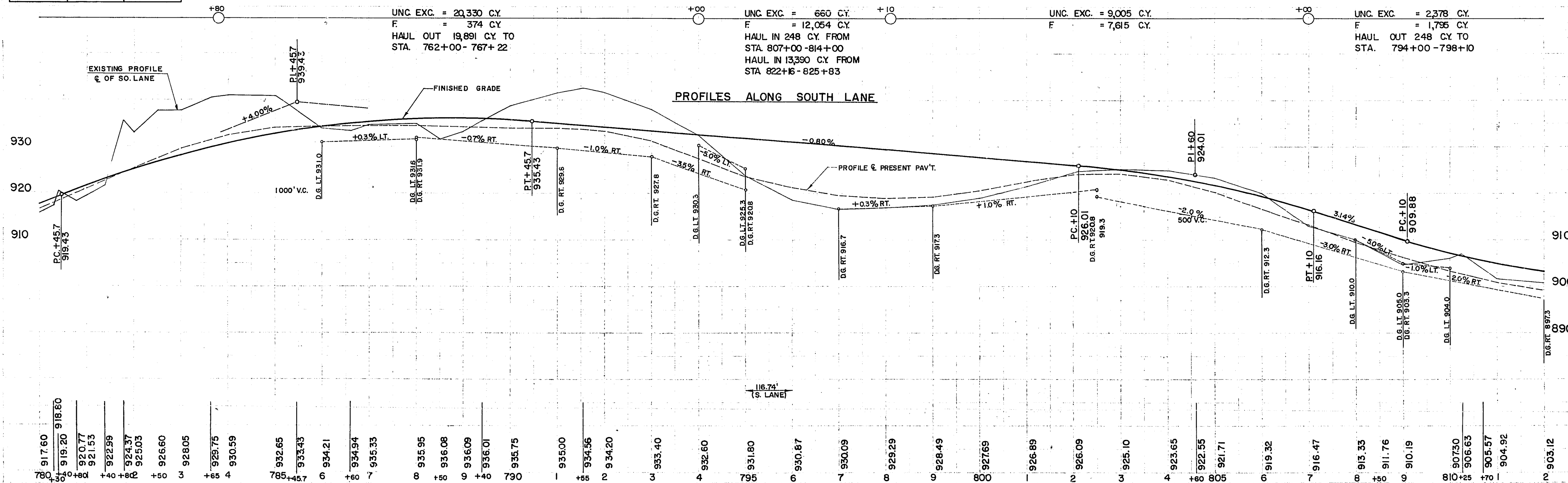
SURVEY
CURVE NOTES
P.I. = 768+63.2
L = 171'-48'
Δ = 8°-12'
D = 0°-45'
T = 547.6
L.C. = 1,093.2
P.C. = 763+15.6
P.T. = 774+08.8



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
80	781+30	SPIKE IN 8" TWIN ELM	300 LT 918.77
81	787+50	" " 8" ELM	110 RT 929.47
82	795+80	" " 12" TWIN ELM	210 LT 921.10
83	807+50	" " 28" ELM	40 RT 910.38



NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
780+00 TO 795+25.69	1525.69	
795+15.85 TO 810+00	1484.15	
TOTAL	CL R.O.W.	3009.84



BENCH MARKS				
NO.	STATION	DESCRIPTION		ELEV.
84	818+40	SPIKE IN 5" TWIN APPLE	100' LT.	899.65
85	823+75	" " 8" APPLE	125' RT.	906.41
86	828+50	" " 5" ELM	200' LT.	921.36
87	833+36	PAINT MARK ON NW. COR. OF CONC. STEP OF HOUSE.	133 RT.	932.07

STA. 821+12 MEDIAN X'ING.
18" X 68' CULV. PIPE REQ'D.

STA. 821+25 TOWN RD. LT.
18" X 76' CULV. PIPE REQ'D.
2 C.Y. RIP RAP REQ'D.

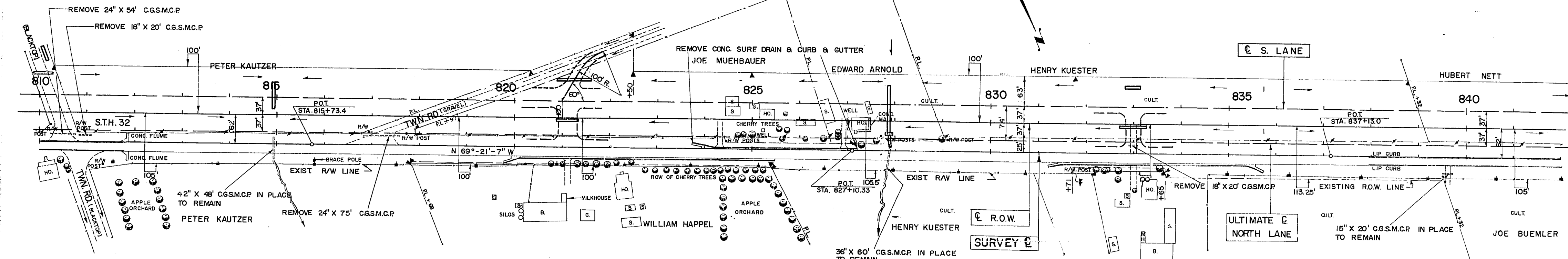
STA. 833+00 FE. LT.
18" X 32' CULV. PIPE REQ'D.

STA. 833+00 MEDIAN X'ING
18" X 48' CULV. PIPE REQ'D.

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4-55
R.D.N.
W.R.B.
L.L.B.

10375



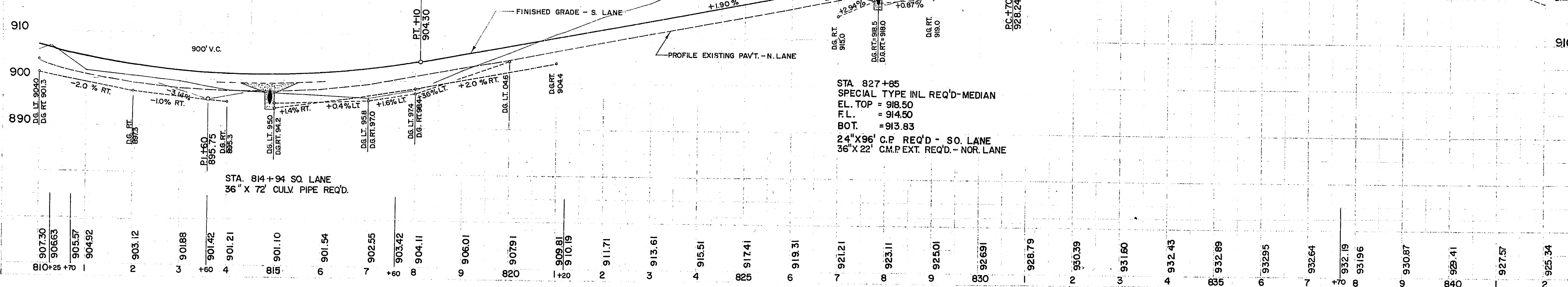
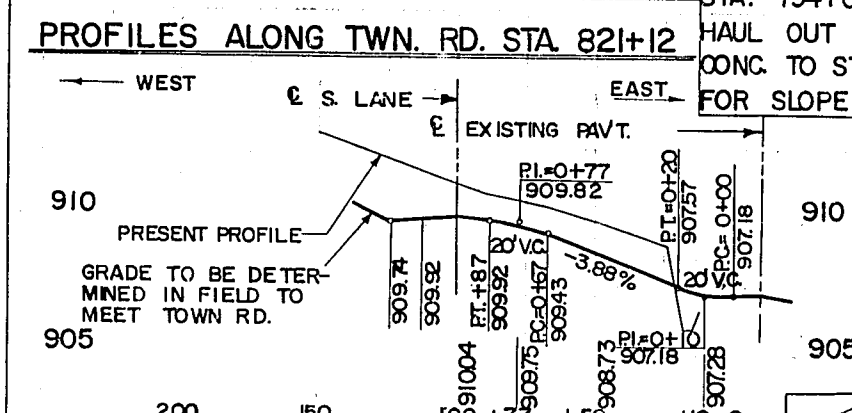
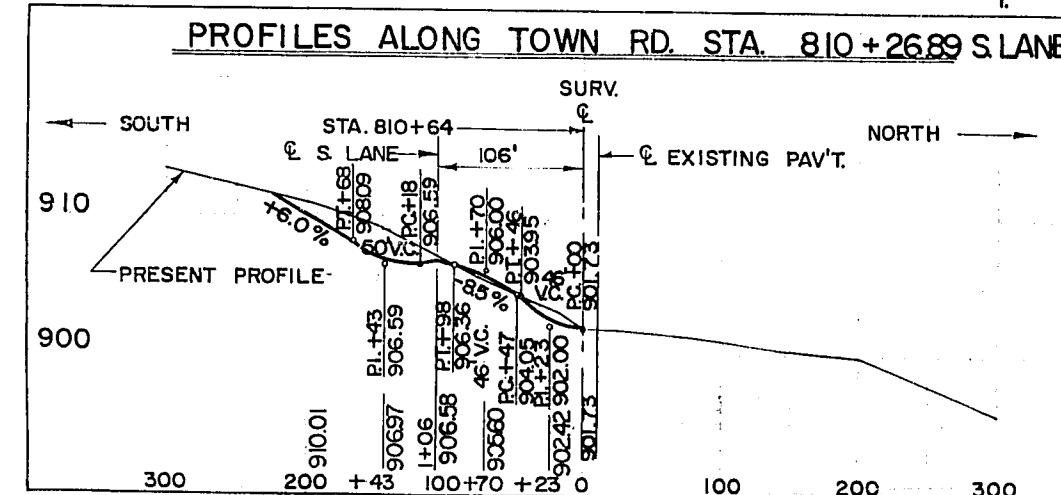
NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
810+00	840+00	3000.00
		← E. R.O.W.

UNC. EXC. = 4,861 C.Y.
F = 3,909 C.Y.

UNC. EXC. = 13,390 C.Y.
F = 0 C.Y.

UNC. EXC. = 3,770 C.Y.
F = 1,158 C.Y.
HAUL OUT 13,390 C.Y. TO
STA. 794+00 - 798+10
HAUL OUT 30 C.Y. BROKEN
CONC. TO STA. 698+50-708+00
FOR SLOPE PROTECTION

UNC. EXC. = 26,379 C.Y.
F = 646 C.Y.
HAUL OUT 25,618 C.Y. TO
STA. 842+00-853+61



STA. 827+85
SPECIAL TYPE INL. REQ'D-MEDIAN
EL. TOP = 918.50
F.L. = 914.50
BOT. = 913.83
24" X 96' C.P. REQ'D - S.O. LANE
36" X 22' C.M.P. EXT. REQ'D - NOR. LANE

4-55
R.D.N.
W.R.B.
L.L.B.

10376

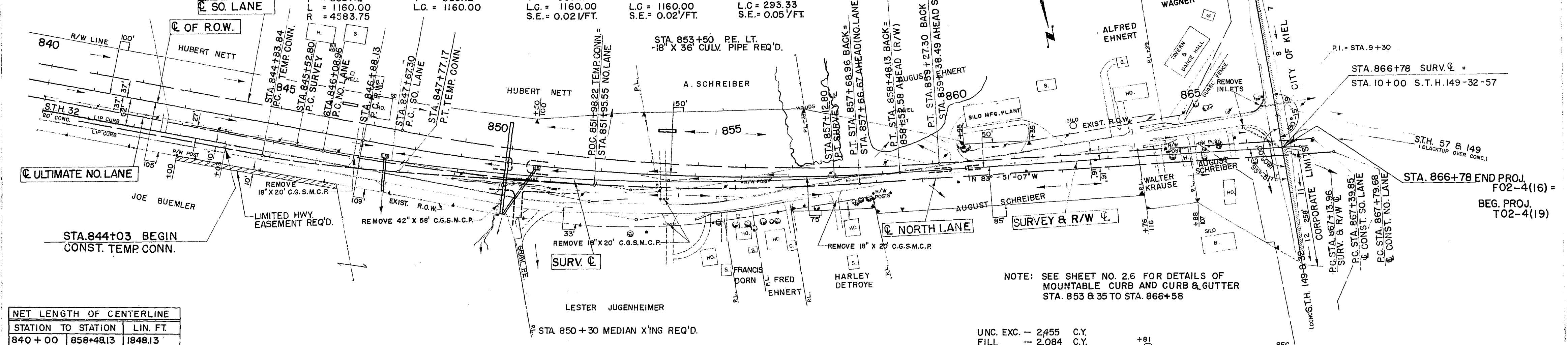
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
88	847+50	PAINT MARK ON S.E. COR. OF CONC. STEP OF HOUSE.	908.24
89	853+64	SPIKE IN 8" APPLE	907.86
90	857+36	PAINT MARK ON N.W. COR. OF FIRST CONC. STEP OF HOUSE	903.83
91	865+37	SPIKE IN 18" ELM	897.22

STA 846+50 RE. LT.
18" X 32' CULV. PIPE REQ'D.

CURVE NOTES

R.O.W.	SURVEY	NO. LANE	SO. LANE	TEMP. CONN. NO. LANE
P.I. = 852+71.25 L = 165°-30' Δ = 14°-30' D = 1°-15' T = 583.12' L.C. = 1160.00 R = 4583.75	P.I. = 851+35.92 L = 165°-30' Δ = 14°-30' D = 1°-15' T = 583.12' L.C. = 1160.00	P.I. = 851+92.08 L = 165°-30' Δ = 14°-30' D = 1°-15' T = 583.12' L.C. = 1160.00 S.E. = 0.021/FT.	P.I. = 853+50.42 L = 165°-30' Δ = 14°-30' D = 1°-15' T = 583.12' L.C. = 1160.00 S.E. = 0.021/FT.	P.I. = 846+30.72 L = 172°-40' Δ = 7°-20' D = 2°-30' T = 146.88 L.C. = 293.33 S.E. = 0.05/FT.

NOTE
SEE SHEET NO 2.6 & 2.7 FOR DETAILS
OF DRAINAGE, C. & G., & INTERSECTION.

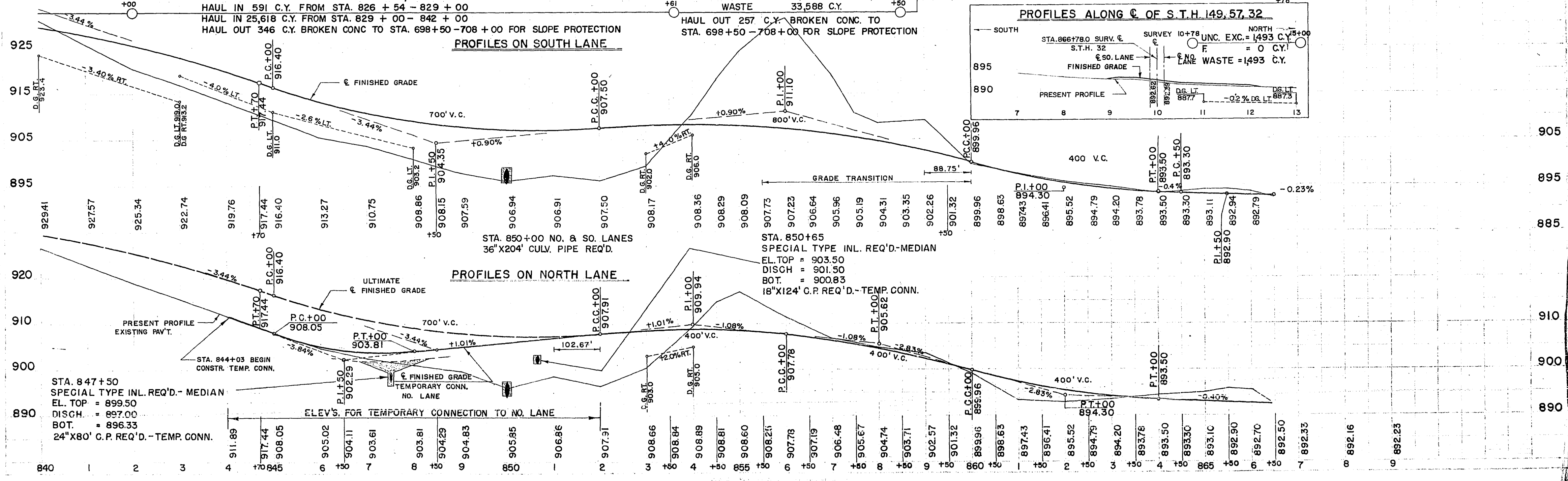
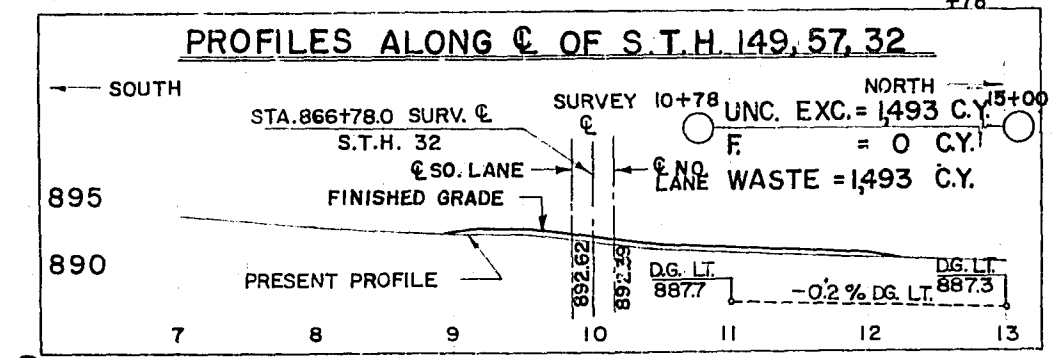


NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
840+00	858+48.13	1848.13
858+52.58	866+78	825.42
TOTAL	866+78	26 73.55

UNC. EXC. = 3,530 C.Y.
F. = 25,256 C.Y.
HAUL IN 591 C.Y. FROM STA. 826 + 54 - 829 + 00
HAUL IN 25,618 C.Y. FROM STA. 829 + 00 - 842 + 00
HAUL OUT 346 C.Y. BROKEN CONC. TO STA. 698+50-708+00 FOR SLOPE PROTECTION

UNC. EXC. = 34,708 C.Y.
FILL = 953 C.Y.
WASTE = 33,588 C.Y.
HAUL OUT 257 C.Y. BROKEN CONC. TO STA. 698+50-708+00 FOR SLOPE PROTECTION

UNC. EXC. - 2455 C.Y.
FILL - 2,084 C.Y.
HAUL OUT 304 C.Y. BROKEN CONC. TO STA. 698+50-708+00 FOR SLOPE PROTECTION



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
91	865+37	SPIKE IN 18" ELM	82' RT. 897.22

1-56
2-56
3-56
4-56
5-56
N L R C
W R K
L L B
L L B

10634

NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
866+78	872+37.71	559.71

NORTH LANE
P.I. = 870+08.82
L = 193°-41'
Δ = 13°-41'
D = 3°-00'
T = 229.14'
L.C. = 456.11'
S.E. = 0.02/FT.

CONST. CURVES

SOUTH LANE
P.I. = 868+77.38
L = 193°-41'
Δ = 13°-41'
D = 5°-00'
T = 137.53'
L.C. = 273.67'
S.E. = 0.02/FT.

SURVEY C

CONST. C SO. LANE

CONST. C NO. LANE

SEC.

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