

PROJECT ID: 7323-00-72
WITH: N/A

COUNTY: LA CROSSE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T.	2027	=	280
A.A.D.T.	2047	=	310
D.H.V.		=	87
D.D.		=	60/40
T.		=	16.1%
DESIGN SPEED		=	60 MPH
ESALS		=	XX,XXX

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH D - CTH T

FLEMING CREEK BRIDGE, B-32-0252

CTH M

LA CROSSE COUNTY

STATE PROJECT NUMBER
7323-00-72

NET EXCEPTION TO C/L LENGTH
STA 22+08 - STA 22+36

BEGIN PROJECT
STA 5+50
Y = 210,450.75
X = 473,966.97

END PROJECT
STA 24+00
Y = 212,273.65
X = 473,927.26

STRUCTURE B-32-0252



LAYOUT
SCALE 0 1 MI
TOTAL NET LENGTH OF CENTERLINE = 0.345 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7323-00-72		

ACCEPTED FOR
COUNTY of LA CROSSE

(Date) HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY

1702 Pankratz Street, Madison WI 53704
(608)242-7779 www.msa-ps.com

30% PLANS
SUBMITTAL
03/17/2025

DATE: (PROFESSIONAL ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	JOSH SCHOENMANN
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	KYLE HEMP

APPROVED FOR THE DEPARTMENT
DATE: (Signature)

E

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS SHALL BE FERTILIZED, SEEDED, AND COVERED WITH EROSION CONTROL MAT AS DIRECTED BY THE ENGINEER.

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

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

SILT FENCE AND TURBIDITY BARRIER TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO BRIDGE REMOVAL.

WETLANDS ARE PRESENT OUTSIDE THE EXISTING TOE OF SLOPE. AREAS OUTSIDE THE SLOPE INTERCEPTS SHALL NOT BE DISTURBED.

ORDER OF SECTION 2 DETAIL SHEETS

- 1. GENERAL NOTES
- 2. PROJECT OVERVIEW
- 3. TYPICAL SECTIONS
- 4. CONSTRUCTION DETAILS
- 5. SUPERELEVATION DATA

CTH M 4-INCHES ASPHALTIC SURFACE		
LAYER	THICKNESS	TYPE
UPPER	1.75-INCHES	TBD
LOWER	2.25-INCHES	TBD



Dial  or (800)242-8511

www.DiggersHotline.com

* = NOT A MEMBER OF DIGGER'S HOTLINE

RUNOFF COEFFICIENT TABLE

LAND USE:	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
	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 STRIPTURF:	.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 SLOPETURF:			.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 = X.XX ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = X.XX ACRES

DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC.
ATTN: JULIA ZEHNER, P.E.
1702 PANKRATZ STREET
MADISON, WI 53704
PHONE: (608)-355-8878
EMAIL: JZEHNER@MSA-PS.COM

OWNER

LA CROSSE COUNTY HIGHWAY DEPARTMENT
ATTN: JOSEPH LANGEBERG
301 CARLSON ROAD
WEST SALEM, WI 54669
PHONE: (608)-786-3810
EMAIL: JLANGEBERG@LACROSSECOUNTY.ORG

DNR LIASON

DEPARTMENT OF NATURAL RESOURCES
ATTN: KAREN KALVELAGE
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
PHONE: (608)-785-9115
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

UTILITIES CONTACTS

OVERHEAD ELECTRIC

JACKSON ELECTRIC COOPERATIVE
ERIC STEIEN
N6868 CO HWY F, PO BOX 546
BLACK RIVER FALLS, WI 54615
PHONE: (715)-284-5385
EMAIL: ESTEIEN@JACKELEC.COM

COMMUNICATIONS

BRIGHTSPEED
BRIAN STELPLUGH
1905 WARD AVENUE
LACROSSE, WI 54601
PHONE: (980)-376-1557
EMAIL: BRIAN.STELPLUGH@BRIGHTSPEED.COM

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	LT	LEFT
AC	ACRE	LHF	LEFT HAND FORWARD
AGG	AGGREGATE	L	LENGTH OF CURVE
AH	AHEAD	LF	LINEAR FOOT
∠	ANGLE	LC	LONG CHORD OF CURVE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LS	LUMP SUM
AEW	APRON ENDWALL	MGAL	ONE THOUSAND GALLONS
ASPH	ASPHALTIC	MH	MANHOLE
BK	BACK	ML OR M/L	MATCH LINE
BC	BACK OF CURB	NOM	NOMINAL
BAD	BASE AGGREGATE DENSE	NC	NORMAL CROWN
BL OR B/L	BASE LINE	NB	NORTHBOUND
BM	BENCH MARK	NO	NUMBER
CB	CATCH BASIN	OD	OUTSIDE DIAMETER
CL OR C/L	CENTER LINE	PAVT	PAVEMENT
Δ	CENTRAL ANGLE OR DELTA	PLE	PERMANENT LIMITED EASEMENT
CE	COMMERCIAL ENTRANCE	PC	POINT OF CURVATURE
CONC	CONCRETE	PI	POINT OF INTERSECTION
CSW	CONCRETE SIDEWALK	PT	POINT OF TANGENCY
CONST	CONSTRUCTION	PCC	PORTLAND CEMENT CONCRETE
CP	CONTROL POINT	LB	POUND
CO	COUNTY	PSI	POUNDS PER SQUARE INCH
CTH	COUNTY TRUCK HIGHWAY	PE	PRIVATE ENTRANCE
CY	CUBIC YARD	PROJ	PROJECT
CP	CULVERT PIPE	PL	PROPERTY LINE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM	PRW	PROPOSED RIGHT OF WAY
CPCPE	CULVERT PIPE CORRUGATED POLYETHYLENE	R	RADIUS
CPCPP	CULVERT PIPE CORRUGATED POLYPROPYLENE	RL OR R/L	REFERENCE LINE
CPCS	CULVERT PIPE CORRUGATED STEEL	REQD	REQUIRED
CPCSAC	CULVERT PIPE CORRUGATED STEEL ALUMINUM COATED	RT	RIGHT
CPCSPC	CULVERT PIPE CORRUGATED STEEL POLYMER COATED	RHF	RIGHT HAND FORWARD
CPRC	CULVERT PIPE REINFORCED CONCRETE	R/W	RIGHT OF WAY
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL	RD	ROAD
CPS	CULVERT PIPE SALVAGED	RDWY	ROADWAY
CPT	CULVERT PIPE TEMPORARY	SHLDR	SHOULDER
C & G	CURB AND GUTTER	SW	SIDEWALK
D	DEGREE OF CURVE	SB	SOUTHBOUND
DHV	DESIGN HOUR VOLUME	SPECS	SPECIFICATIONS
DIA	DIAMETER	SF	SQUARE FEET
DD	DIRECTIONAL DISTRIBUTION	SY	SQUARE YARD
DE	DRAINAGE EASEMENT	SDD	STANDARD DETAIL DRAWINGS
DWY	DRIVEWAY	STH	STATE TRUNK HIGHWAY
EA	EACH	STA	STATION
EB	EASTBOUND	SSPC	STORM SEWER PIPE COMPOSITE
EL OR ELEV	ELEVATION	SSCPE	STORM SEWER PIPE CORRUGATED POLYETHYLENE
EMB	EMBANKMENT	SSCPP	STORM SEWER PIPE CORRUGATED POLYPROPYLENE
EW	ENDWALL	SSPNRC	STORM SEWER PIPE NON-REINFORCED CONCRETE
EAT	ENERGY ABSORBING TERMINAL	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
ESALS	EQUIVALENT SINGLE AXLE LOADS	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EXC	EXCAVATION	SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
EBS	EXCAVATION BELOW SUBGRADE	SE	SUPERELEVATION
EXIST	EXISTING	SL OR S/L	SURVEY LINE
FERT	FERTILIZER	TEMP	TEMPORARY
FE	FIELD ENTRANCE	TI	TEMPORARY INTEREST
FL OR F/L	FLOW LINE	TLE	TEMPORARY LIMITED EASEMENT
FT	FOOT	TC	TOP OF CURB
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM	TL OR T/L	TRANSIT LINE
HES	HIGH EARLY STRENGTH	T	TRUCKS (PERCENT OF)
HE	HIGHWAY EASEMENT	TYP	TYPICAL
CWT	HUNDRED WEIGHT	USH	UNITED STATES HIGHWAY
IN DIA	INCH DIAMETER	VAR	VARIABLE
INL	INLET	VC	VERTICAL CURVE
ID	INSIDE DIAMETER	VPC	VERTICAL POINT OF CURVATURE
INTERS	INTERSECTION	VPI	VERTICAL POINT OF INTERSECTION
IH	INTERSTATE HIGHWAY	VPT	VERTICAL POINT OF TANGENCY
INV	INVERT	W	WEST
JT	JOINT	WB	WESTBOUND

PROJECT NO: 7323-00-72

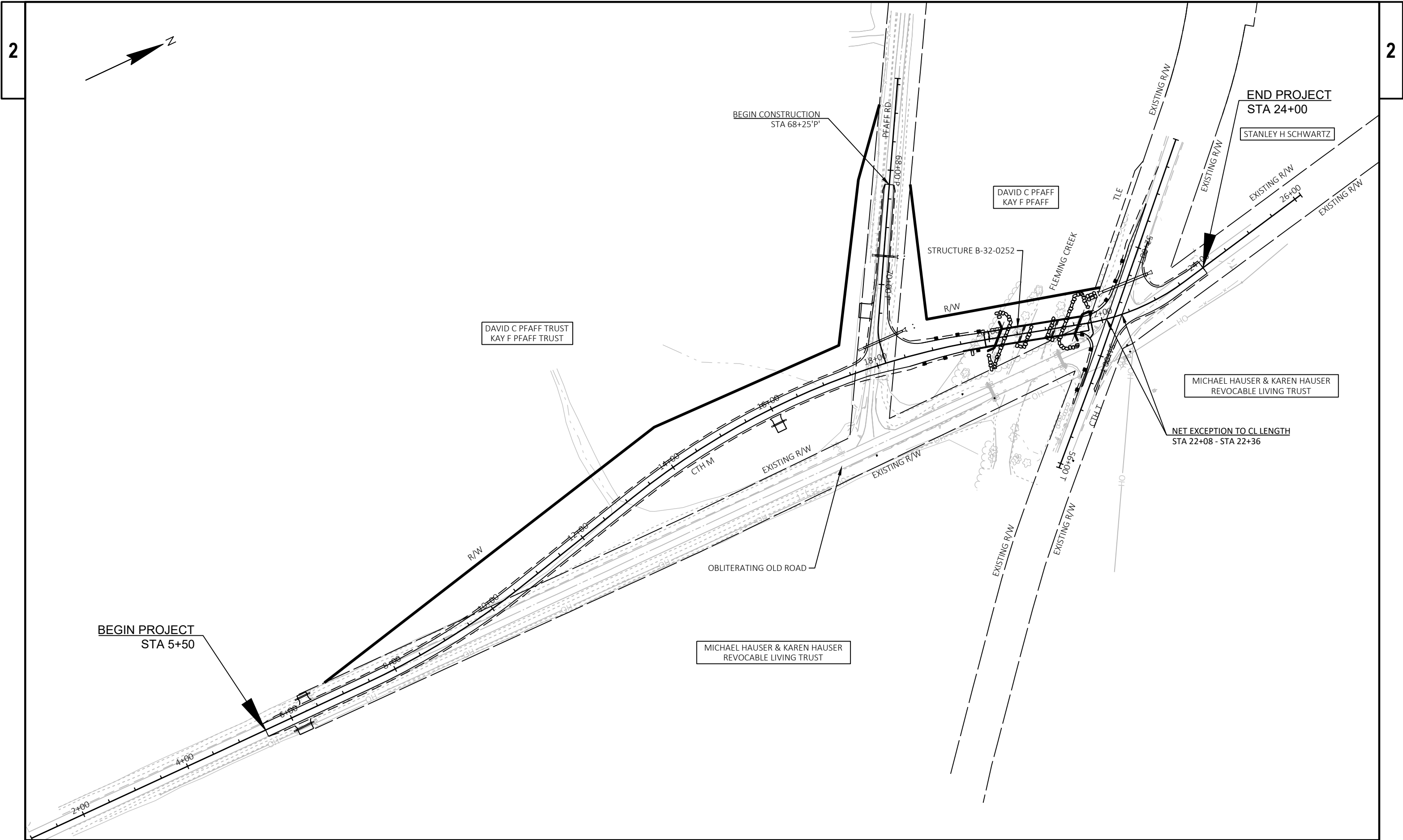
HWY: CTH M

COUNTY: LA CROSSE

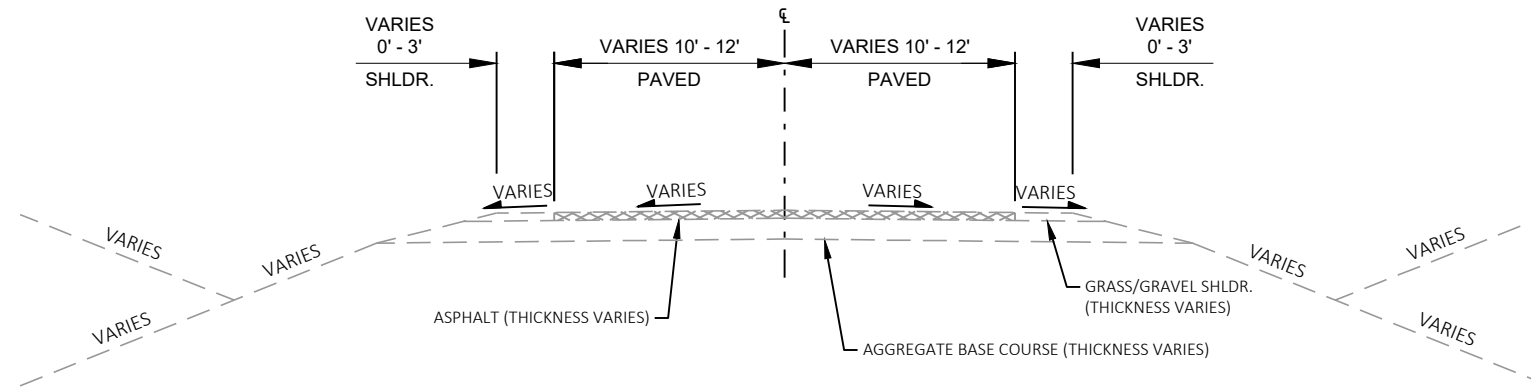
GENERAL NOTES

SHEET

E

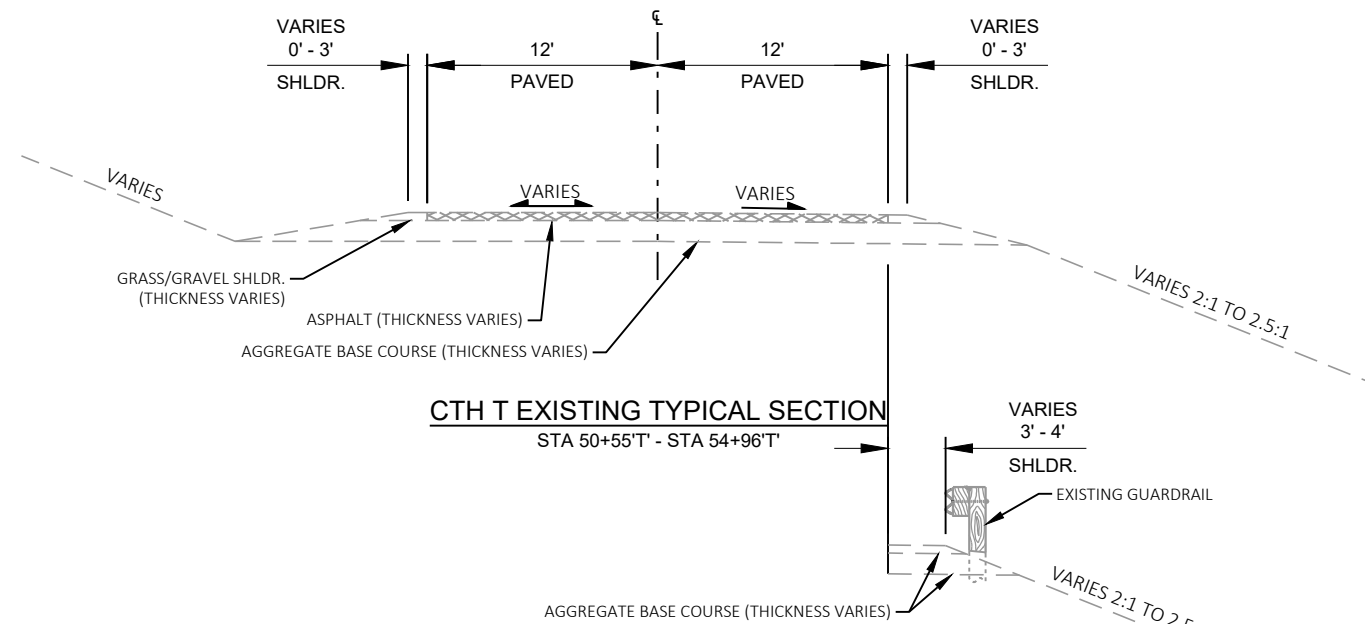


PROJECT NO: 7323-00-72	HWY: CTH M	COUNTY: LA CROSSE	PROJECT OVERVIEW	SHEET	E
------------------------	------------	-------------------	------------------	-------	---



CTH M EXISTING TYPICAL SECTION

STA 5+50 - STA 24+00

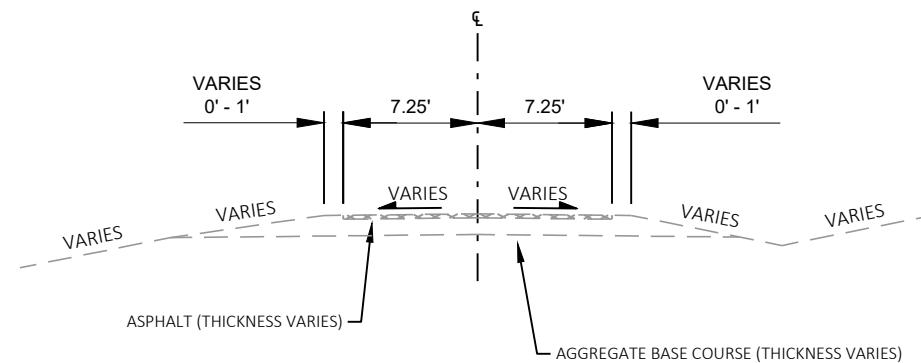


CTH T EXISTING TYPICAL SECTION

STA 50+55'T' - STA 54+96'T'

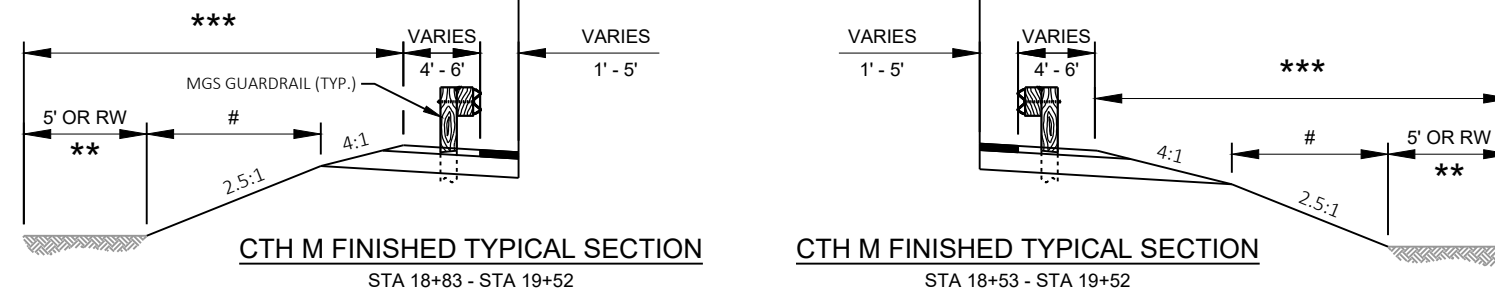
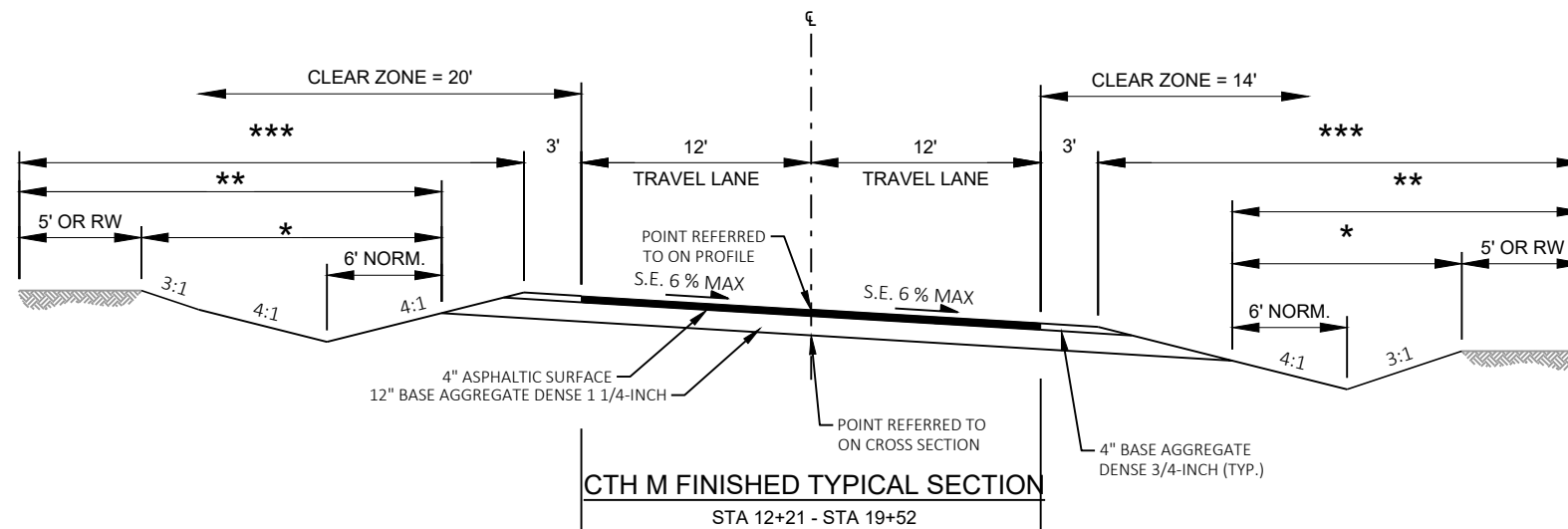
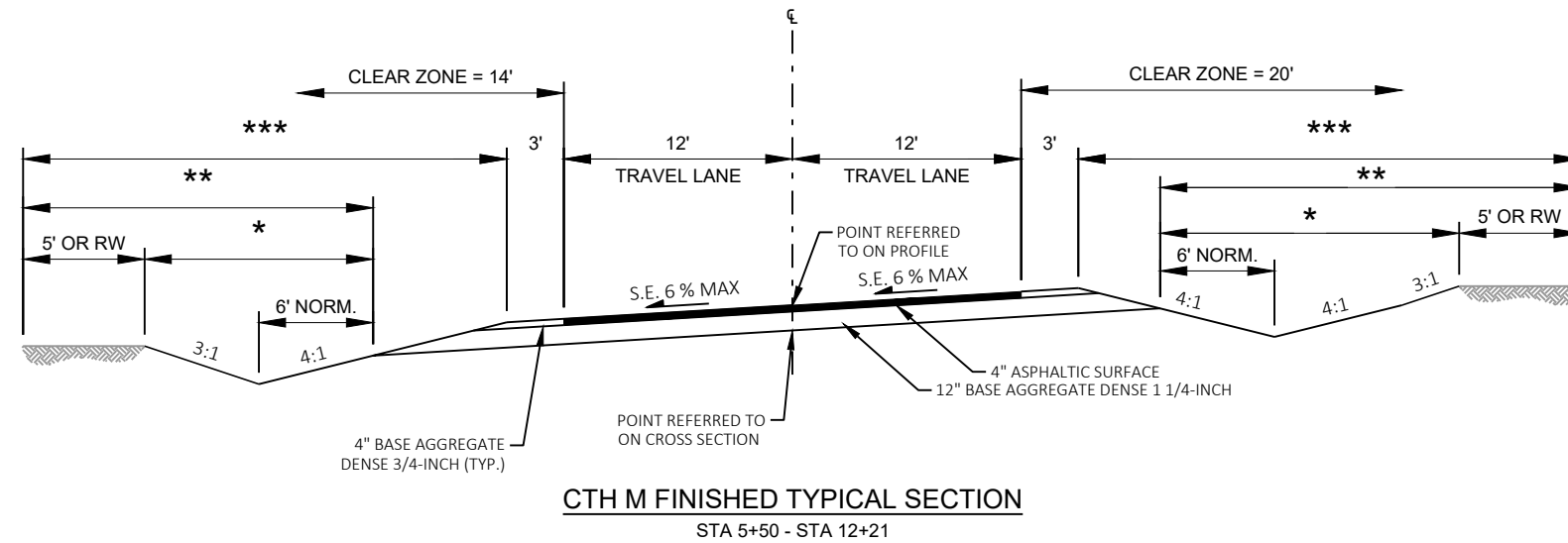
CTH T EXISTING TYPICAL SECTION

STA 54+60'T' - STA 54+96'T'



PFAFF ROAD EXISTING TYPICAL SECTION

STA 68+25'P' - STA 72+74'P'



NOTES:

- * SALVAGED TOPSOIL
- * * MULCHING LIMITS
- *** SEEDING MIXTURE #20, SEEDING TEMPORARY, & FERTILIZER TYPE B LIMITS
- # PLACE EROSION MAT URBAN CLASS I TYPE B ON ALL SLOPES STEEPER THAN 3:1.
PLACE RIPRAP MEDIUM ON ALL SLOPES STEEPER THAN 2:1.
DO NOT MULCH AREAS WITH EROSION MAT OR RIPRAP.

PROJECT NO: 7323-00-72

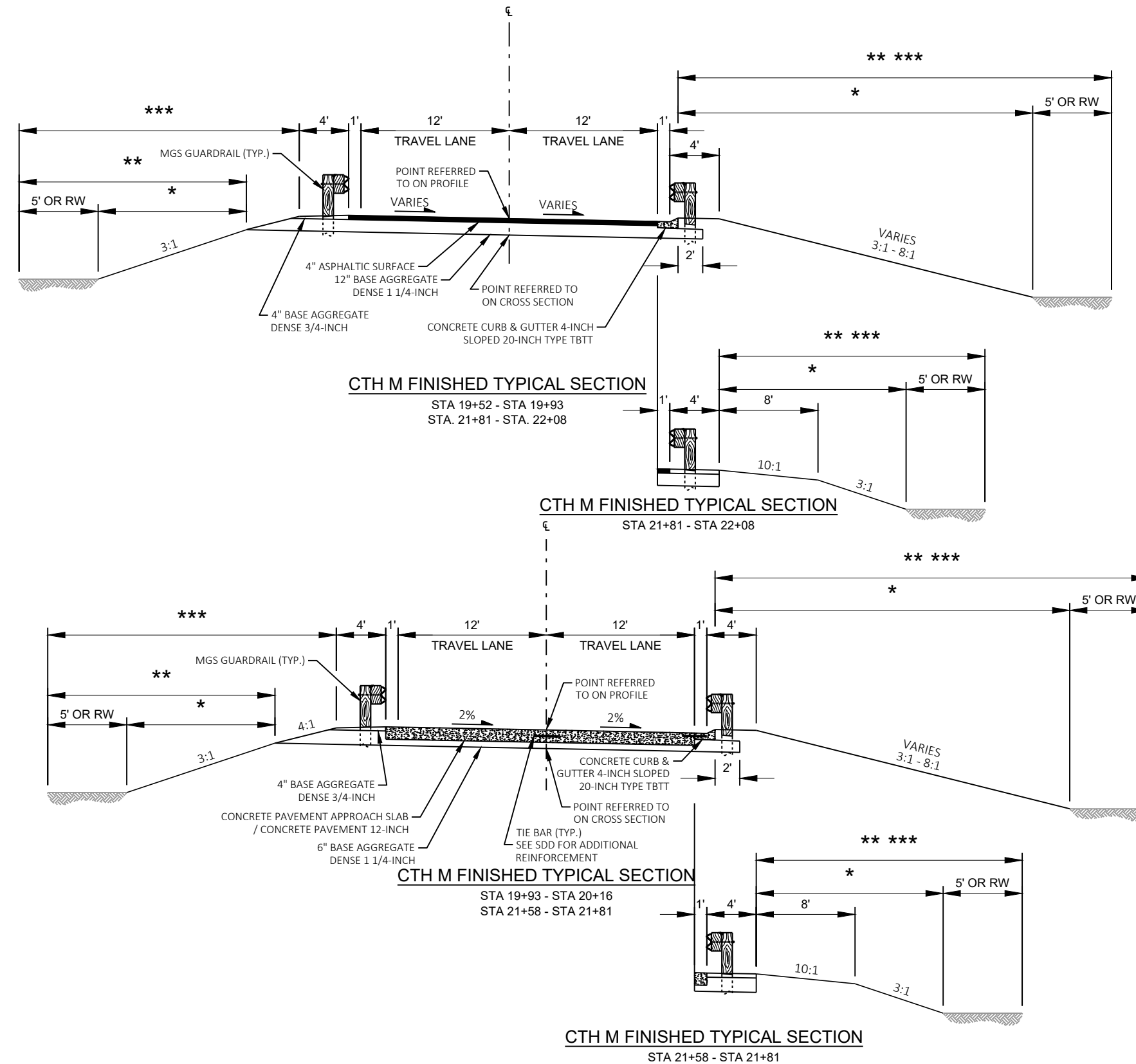
HWY: CTH M

COUNTY: LA CROSSE

FINISHED TYPICAL SECTIONS

SHEET

E



NOTES:

- * SALVAGED TOPSOIL
- * * MULCHING LIMITS
- *** SEEDING MIXTURE #20, SEEDING TEMPORARY, & FERTILIZER TYPE B LIMITS
- # PLACE EROSION MAT URBAN CLASS I TYPE B ON ALL SLOPES STEEPER THAN 3:1.
PLACE RIPRAP MEDIUM ON ALL SLOPES STEEPER THAN 2:1.
DO NOT MULCH AREAS WITH EROSION MAT OR RIPRAP.

PROJECT NO: 7323-00-72

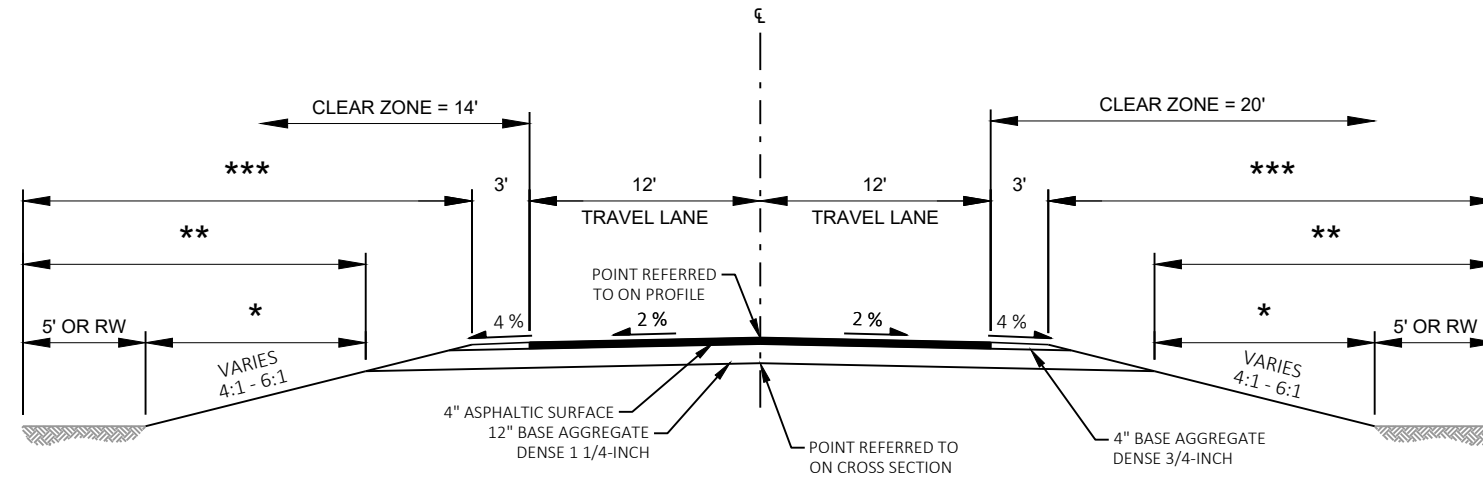
HWY: CTH M

COUNTY: LA CROSSE

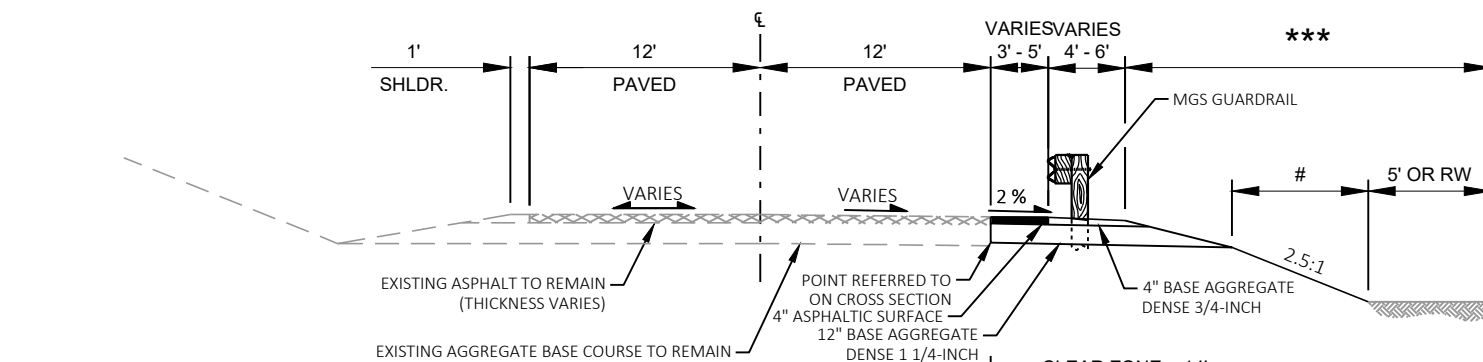
FINISHED TYPICAL SECTIONS

SHEET

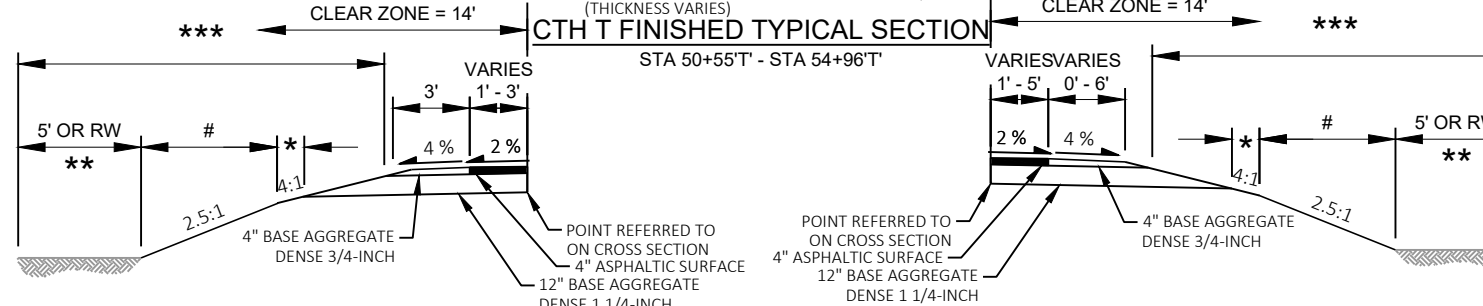
E



CTH M FINISHED TYPICAL SECTION
STA 22+36 - STA 24+00

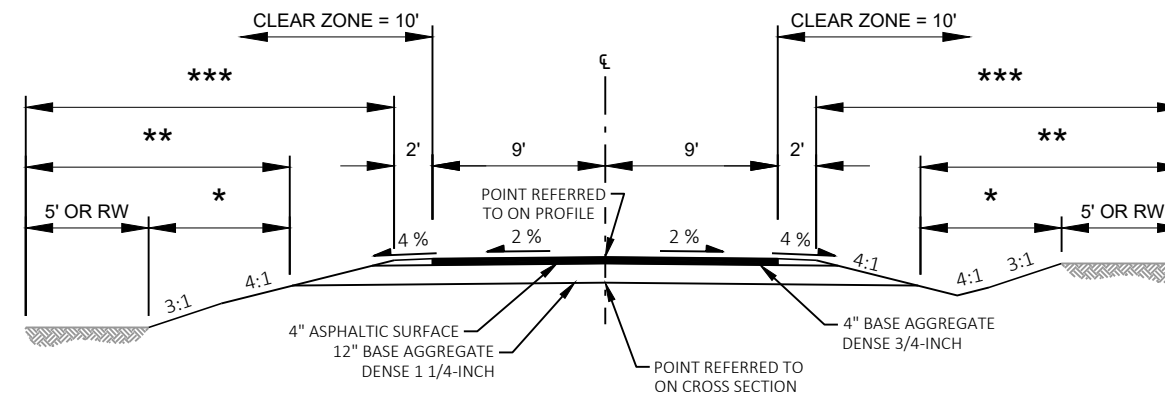


CTH T FINISHED TYPICAL SECTION
STA 50+55'T - STA 54+96'T



CTH T FINISHED TYPICAL SECTION
STA 50+55'T - STA 52+00'T

CTH T FINISHED TYPICAL SECTION
STA 50+55'T - STA 52+00'T



PFAFF ROAD FINISHED TYPICAL SECTION
STA 68+25'P - STA 71+27'P

NOTES:

- * SALVAGED TOPSOIL
- ** MULCHING LIMITS
- *** SEEDING MIXTURE #20, SEEDING TEMPORARY, & FERTILIZER TYPE B LIMITS
- # PLACE EROSION MAT URBAN CLASS I TYPE B ON ALL SLOPES STEEPER THAN 3:1.
PLACE RIPRAP MEDIUM ON ALL SLOPES STEEPER THAN 2:1.
DO NOT MULCH AREAS WITH EROSION MAT OR RIPRAP.

PROJECT NO: 7323-00-72

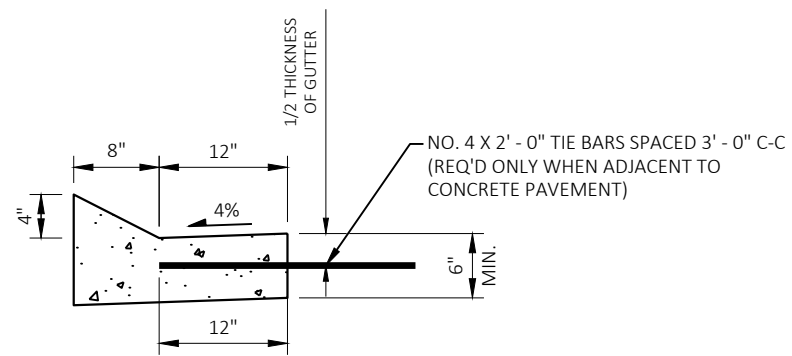
HWY: CTH M

COUNTY: LA CROSSE

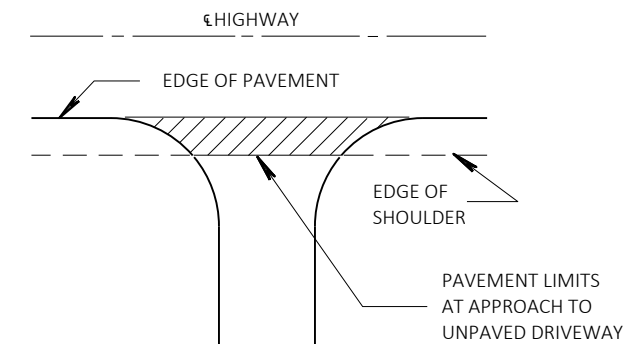
FINISHED TYPICAL SECTIONS

SHEET

E

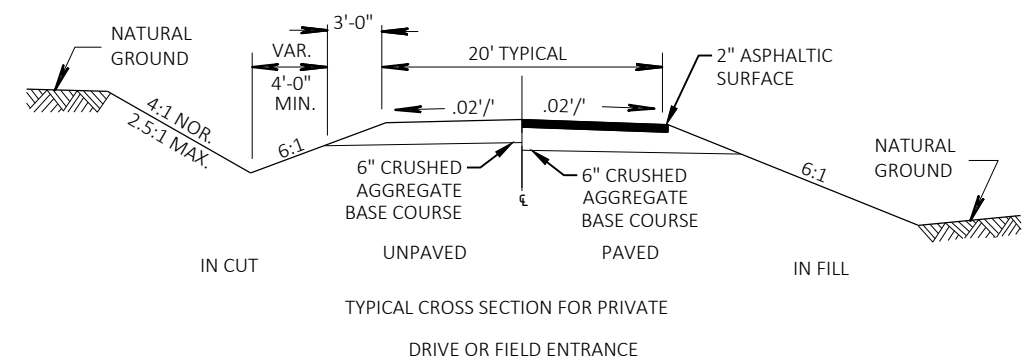
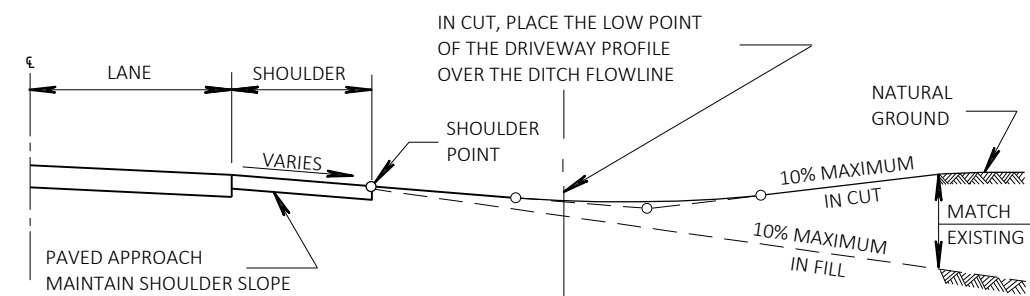


CONCRETE CURB & GUTTER 4-INCH SLOPED 20-INCH TYPE TBTT

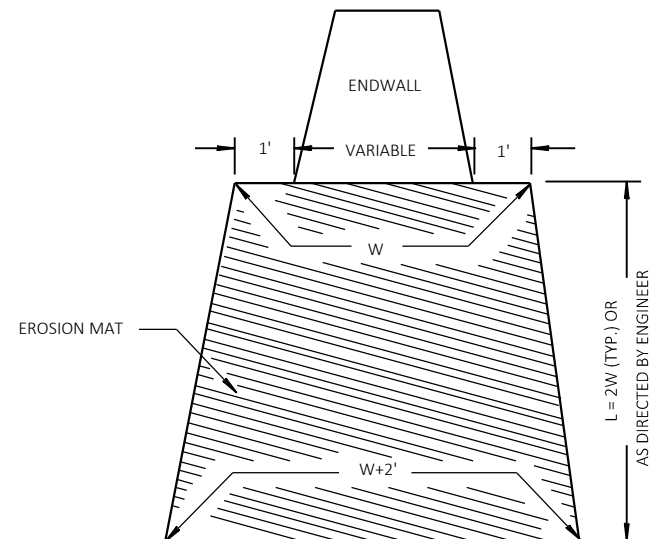


PLAN VIEW

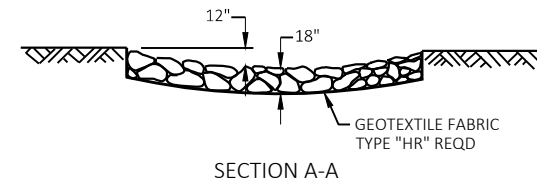
RURAL DRIVEWAY INTERSECTION DETAIL

TYPICAL CROSS SECTION FOR PRIVATE
DRIVE OR FIELD ENTRANCE

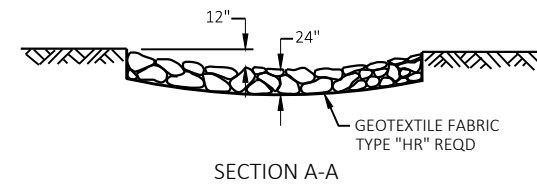
TYPICAL DRIVEWAY PROFILES



EROSION MAT TREATMENT AT CULVERTS

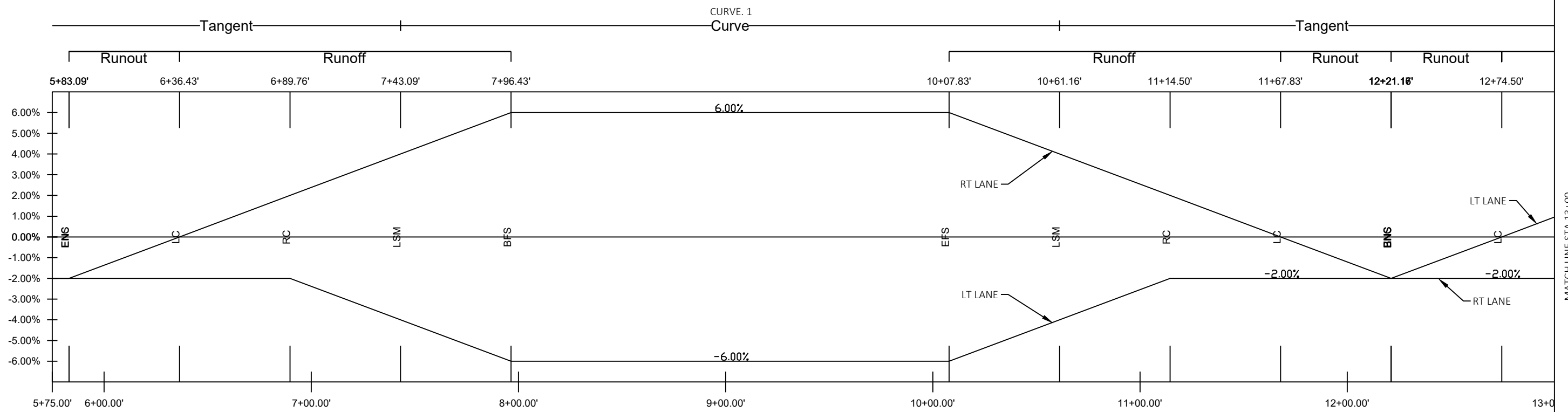


RIPRAP MEDIUM TREATMENT AT CULVERTS

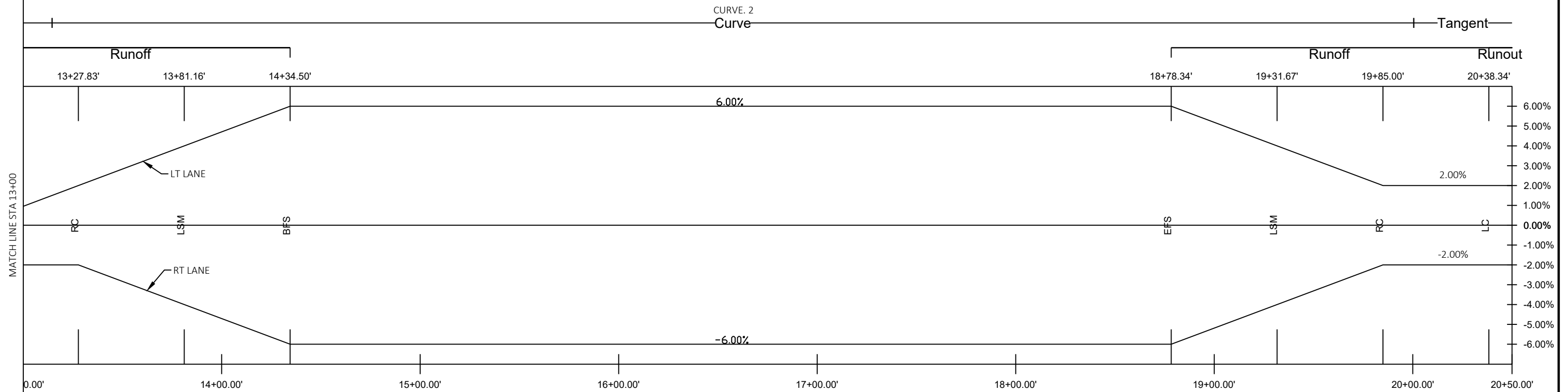


RIPRAP HEAVY TREATMENT AT CULVERTS

2



2



PROJECT NO:	7323-00-72
-------------	------------

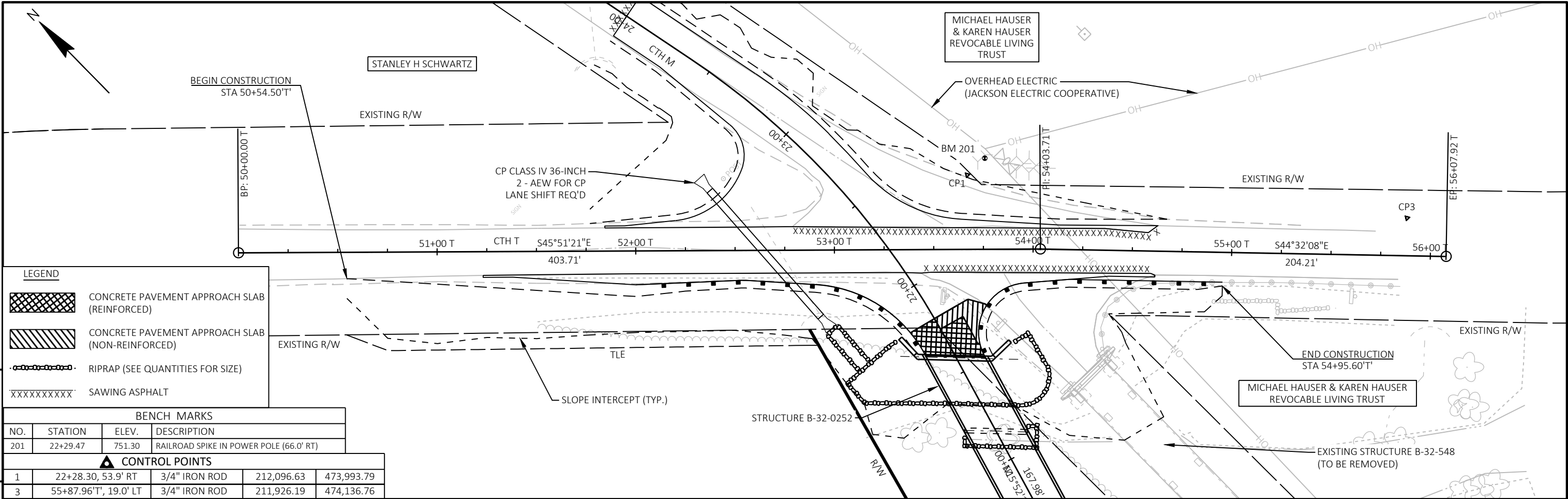
HWY: CTH M

COUNTY: LA CROSSE

SUPERELEVATION DATA

SHEET

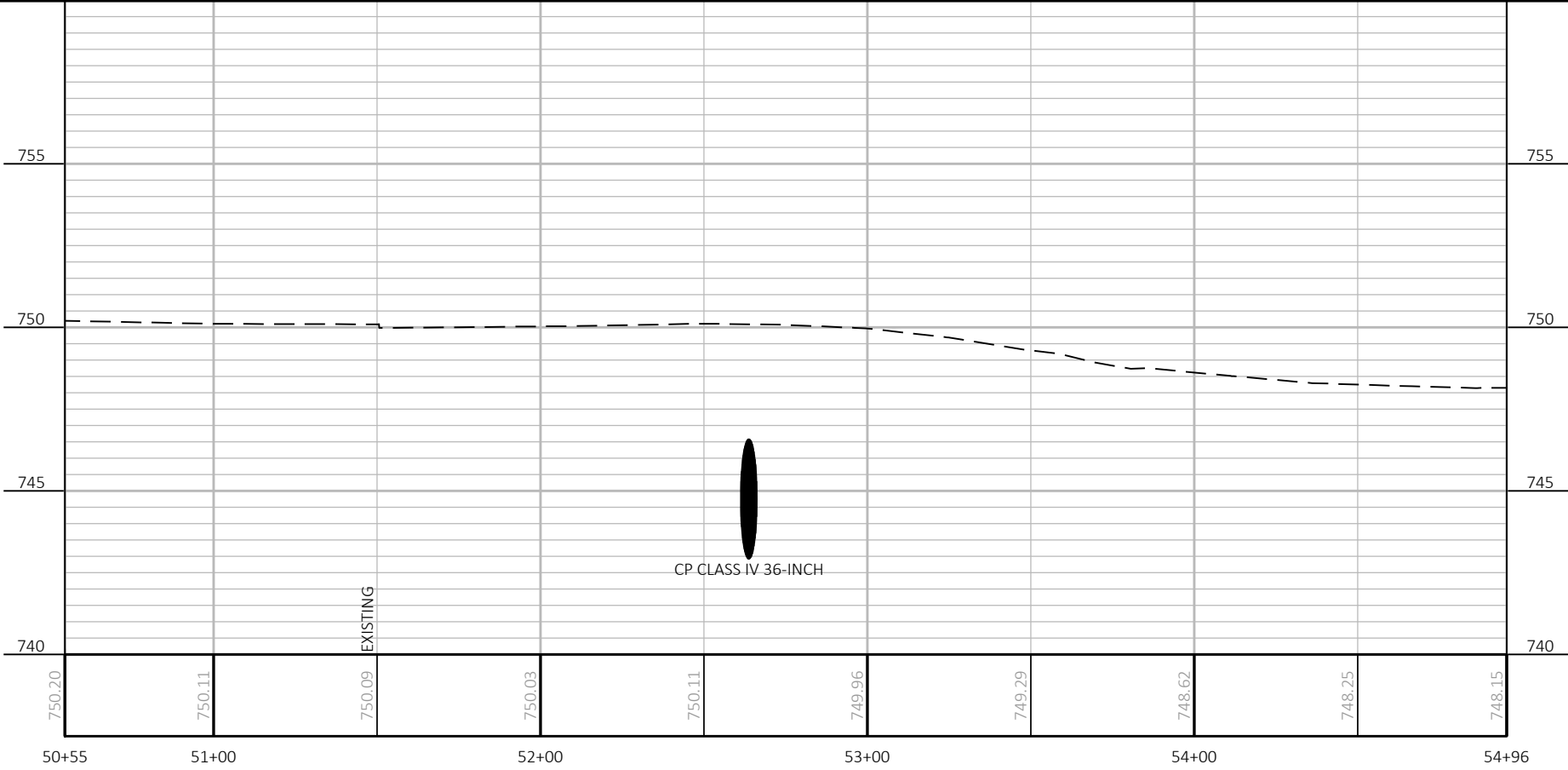
11



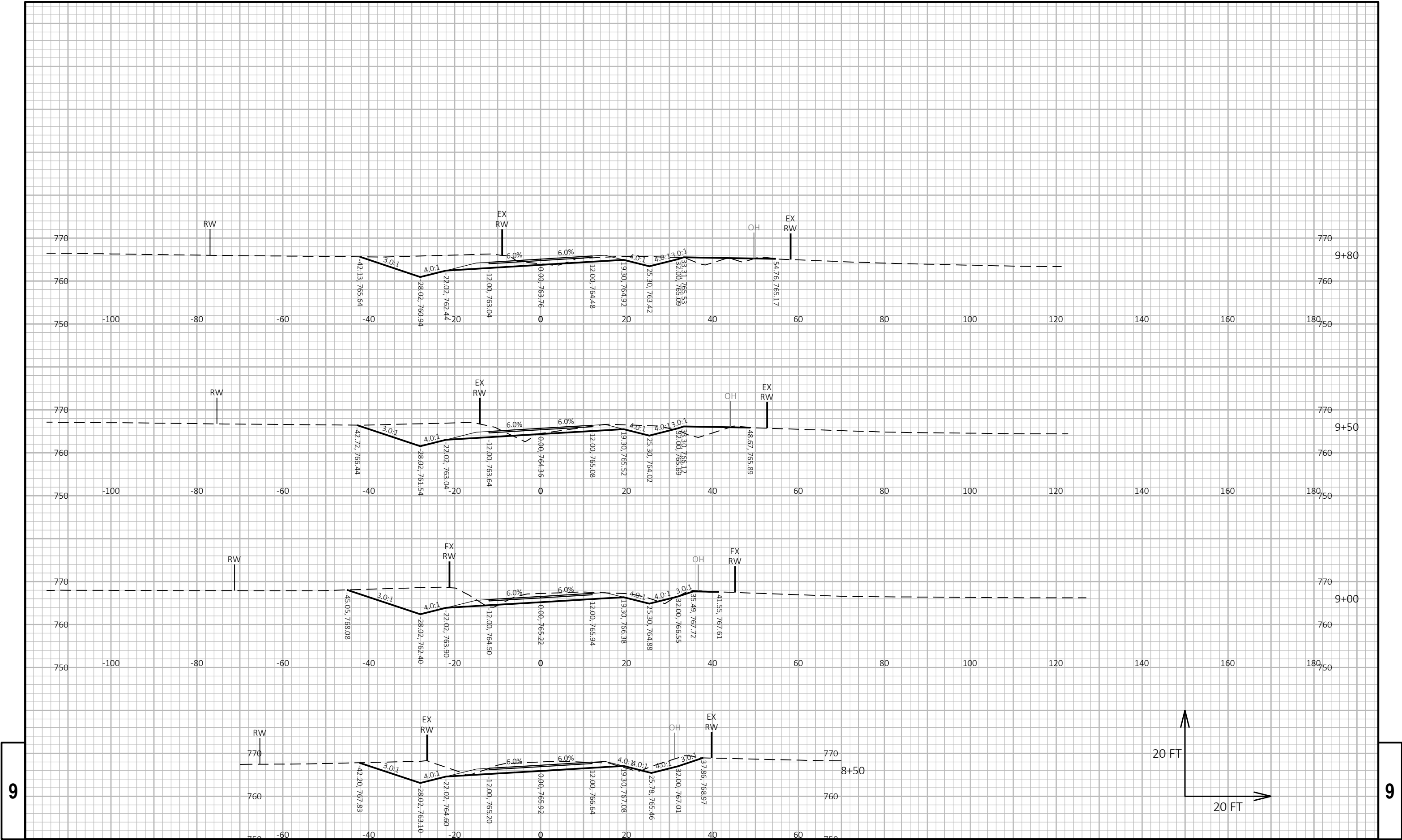
LEGEND

- CONCRETE PAVEMENT APPROACH SLAB (REINFORCED)
- CONCRETE PAVEMENT APPROACH SLAB (NON-REINFORCED)
- RIPRAP (SEE QUANTITIES FOR SIZE)
- SAWING ASPHALT

BENCH MARKS					
NO.	STATION	ELEV.	DESCRIPTION		
201	22+29.47	751.30	RAILROAD SPIKE IN POWER POLE (66.0' RT)		
▲ CONTROL POINTS					
1	22+28.30, 53.9' RT	3/4" IRON ROD	212,096.63	473,993.79	
3	55+87.96'T', 19.0' LT	3/4" IRON ROD	211,926.19	474,136.76	







9

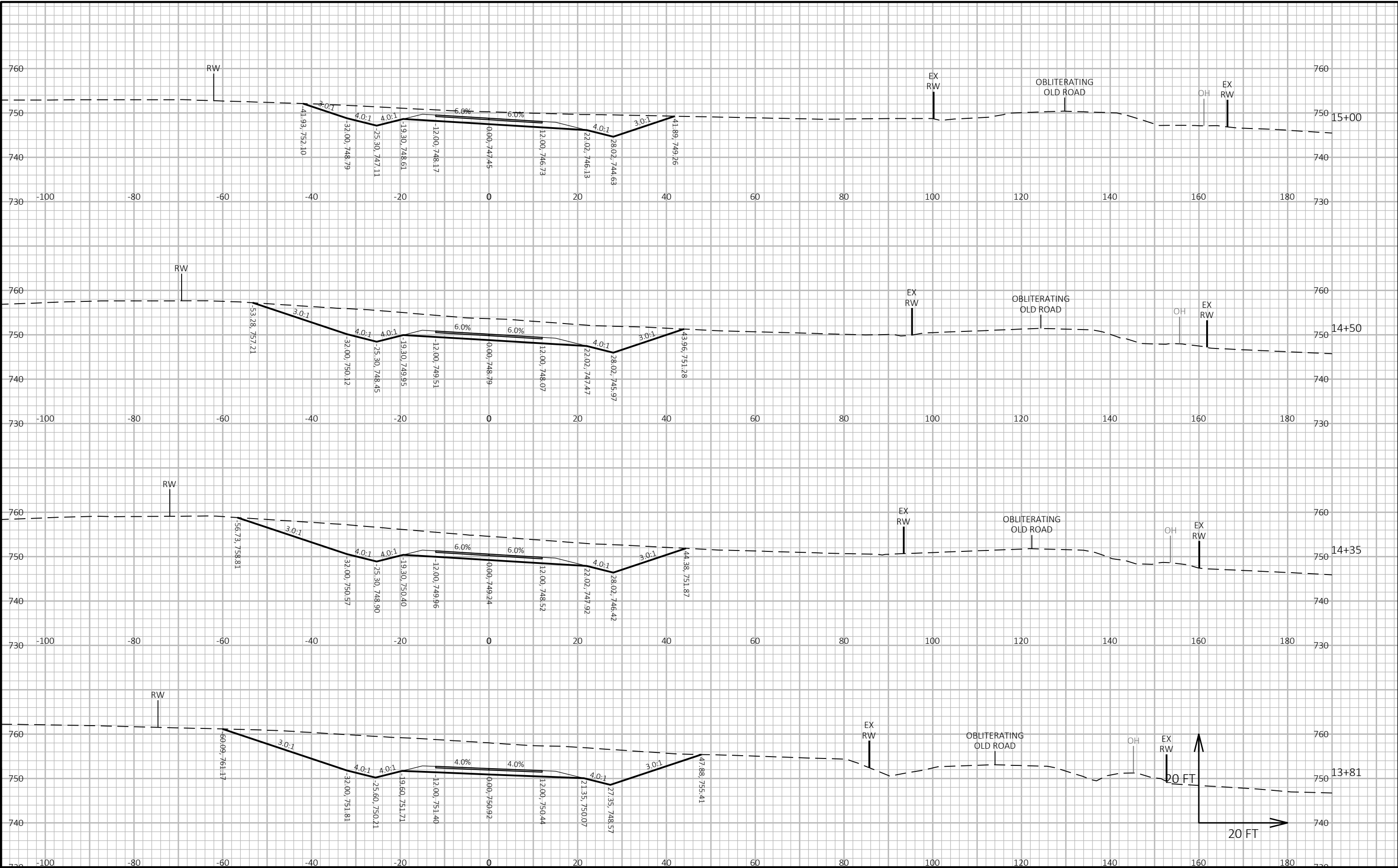
9



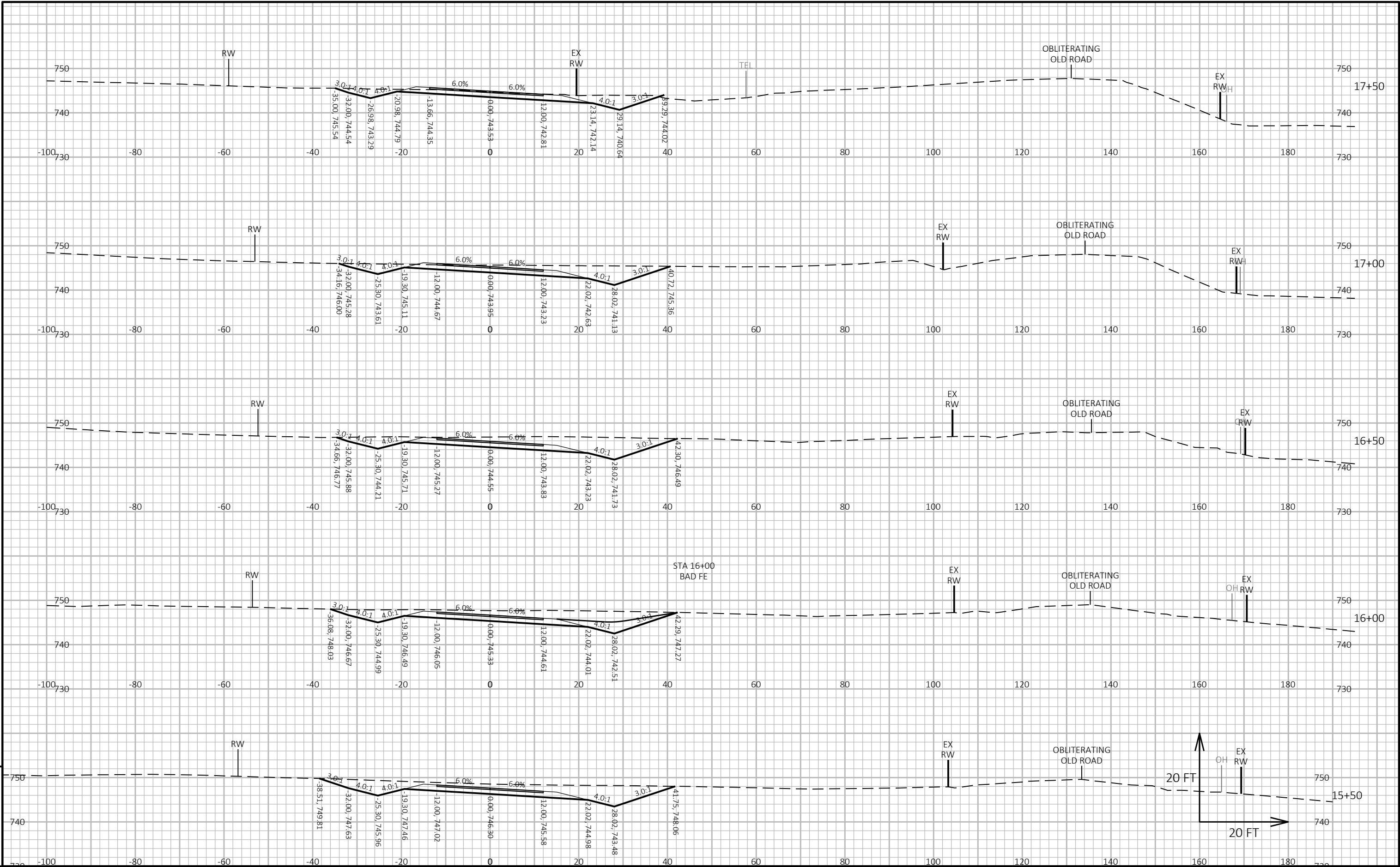


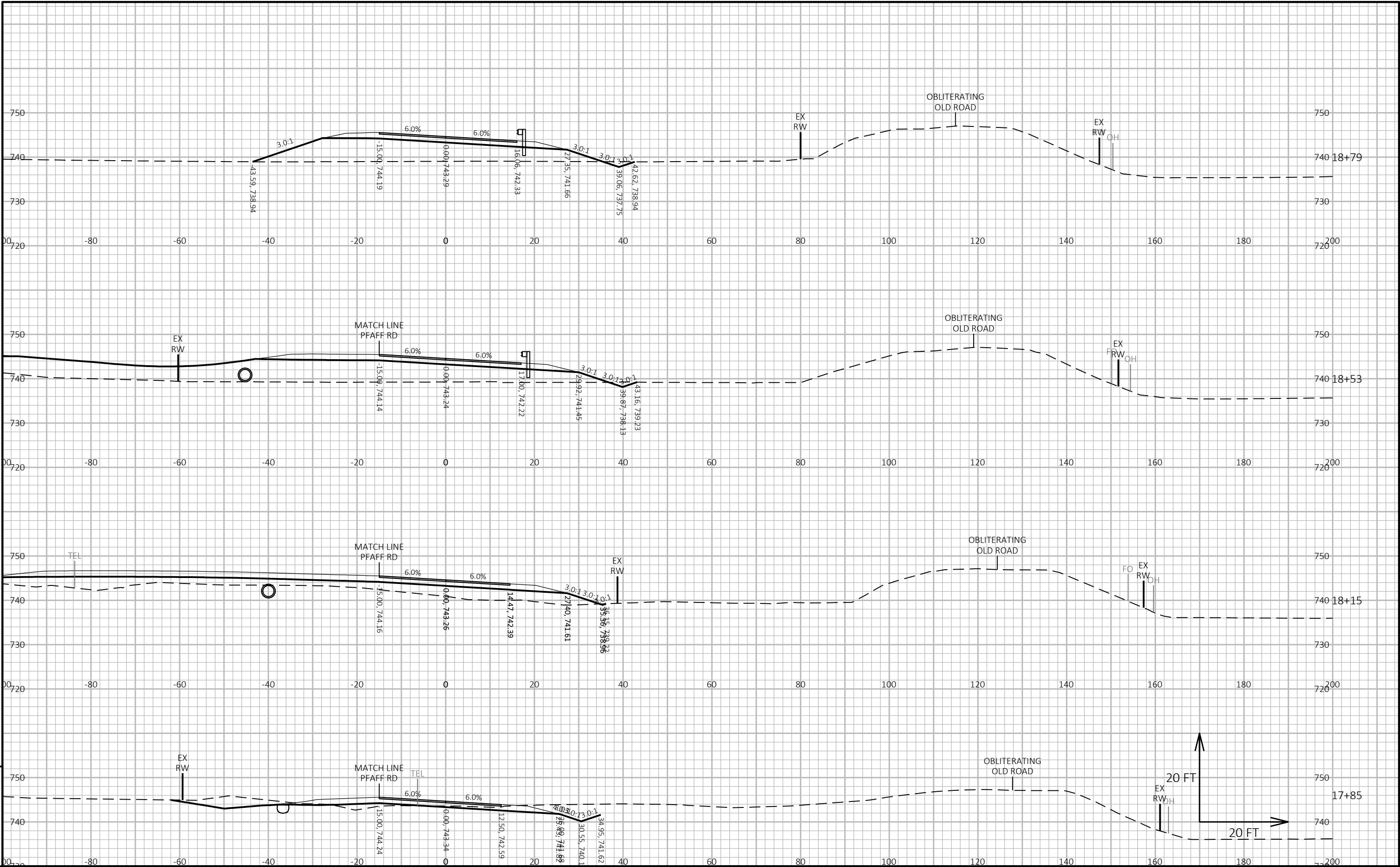


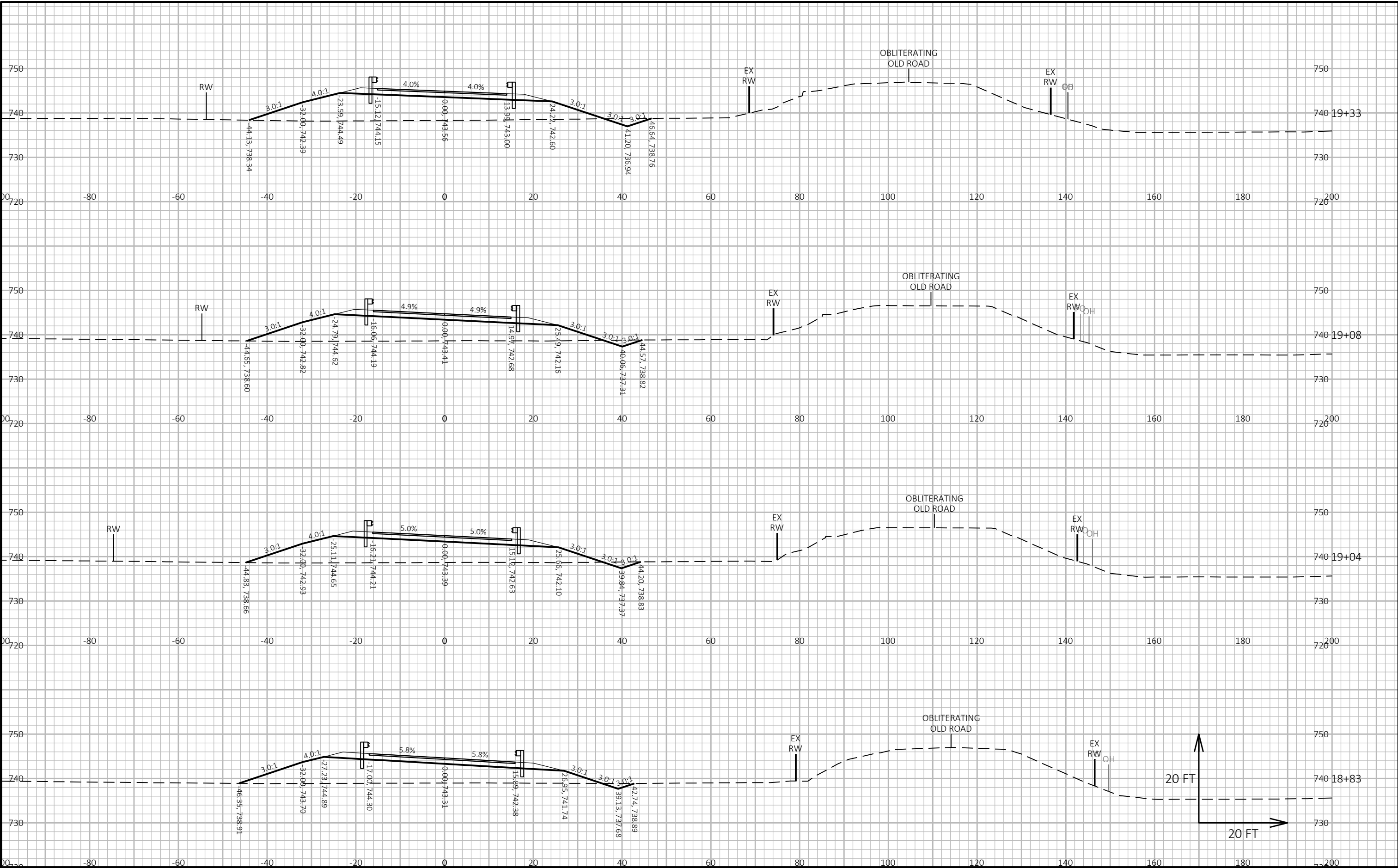
PROJECT NO: 7323-00-72	HWY: CTH M	COUNTY: LA CROSSE	CROSS SECTIONS: CTH M	SHEET E
------------------------	------------	-------------------	-----------------------	---------

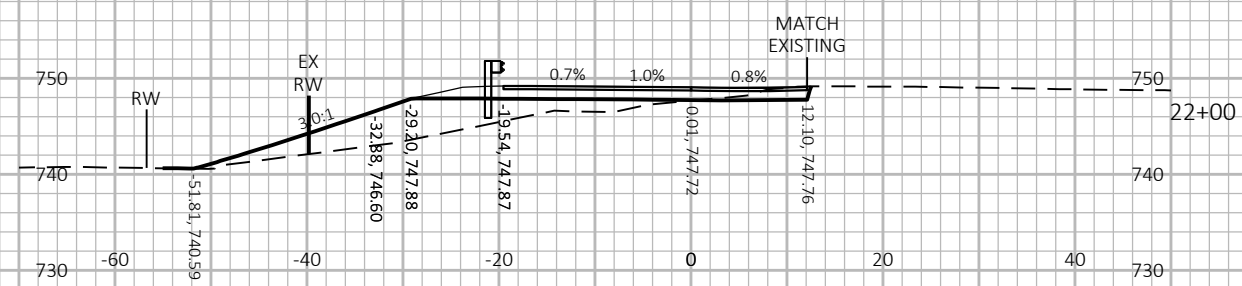
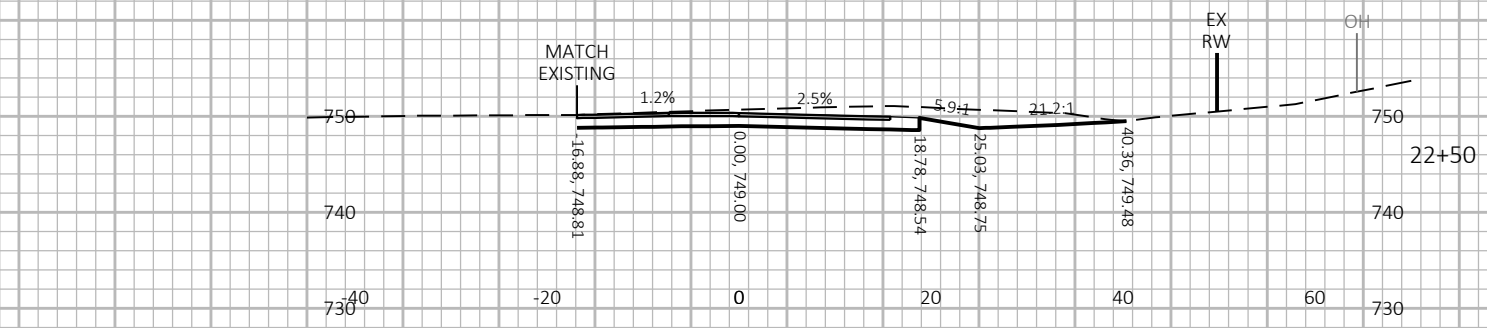


PROJECT NO: 7323-00-72	HWY: CTH M	COUNTY: LA CROSSE	CROSS SECTIONS: CTH M	SHEET	E
------------------------	------------	-------------------	-----------------------	-------	---

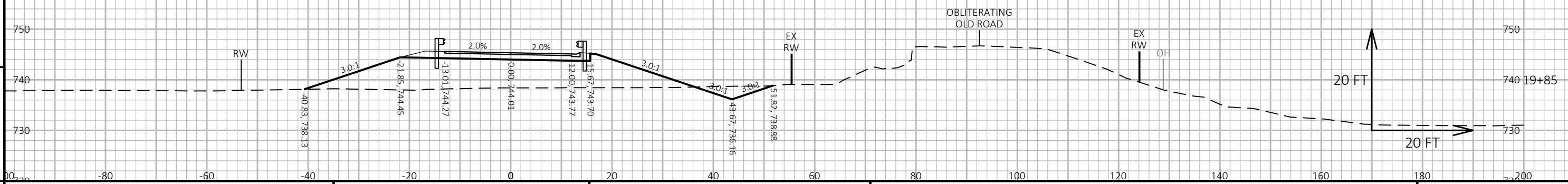
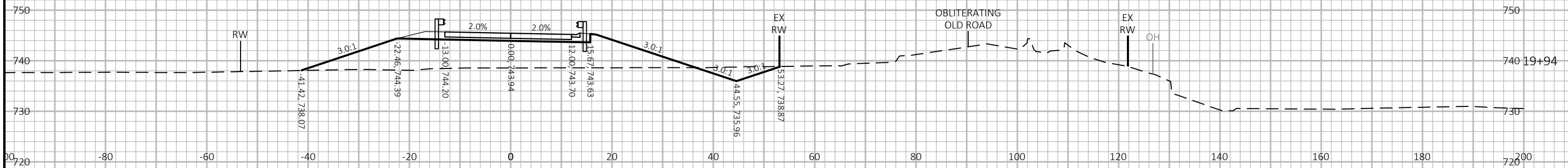


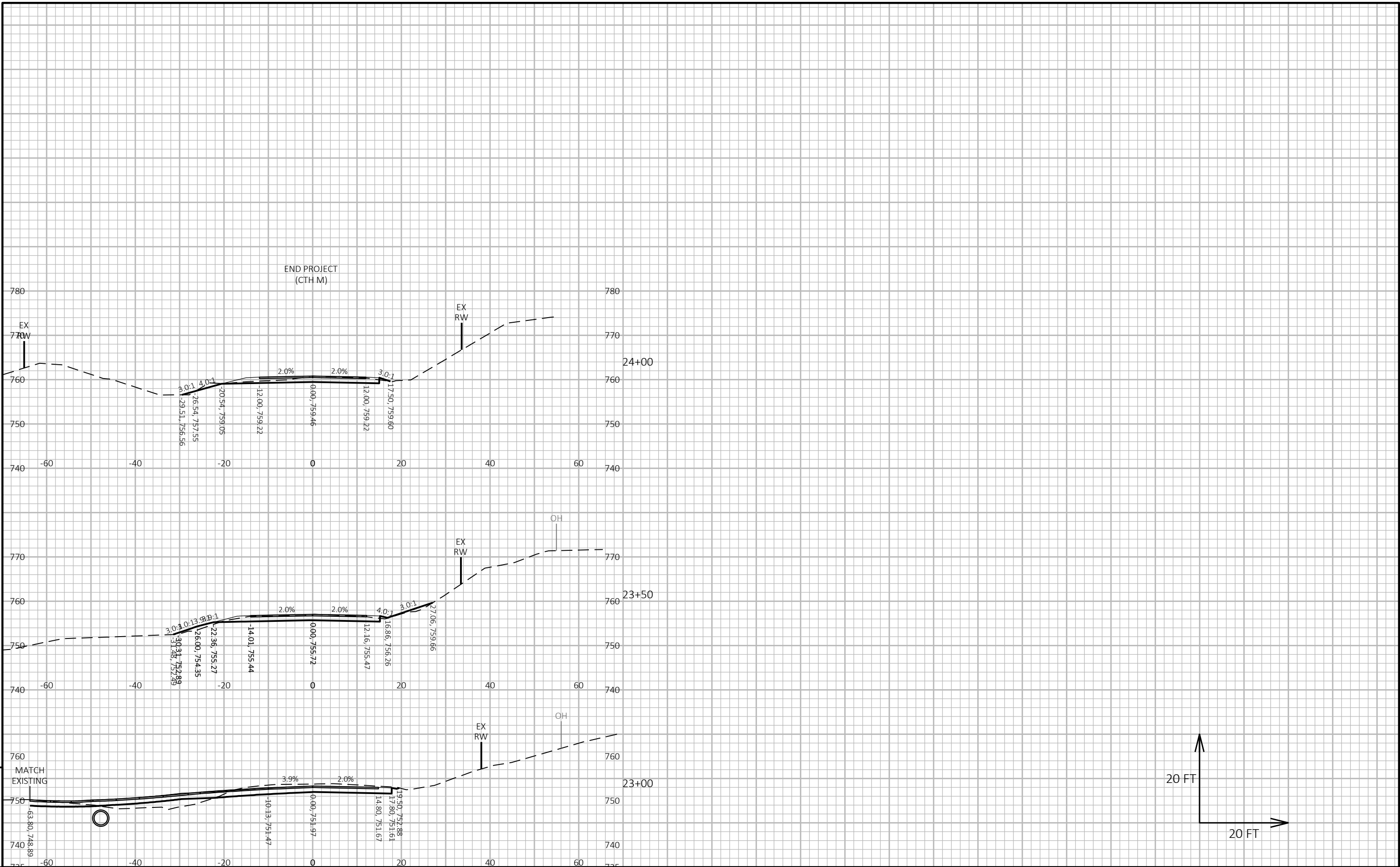




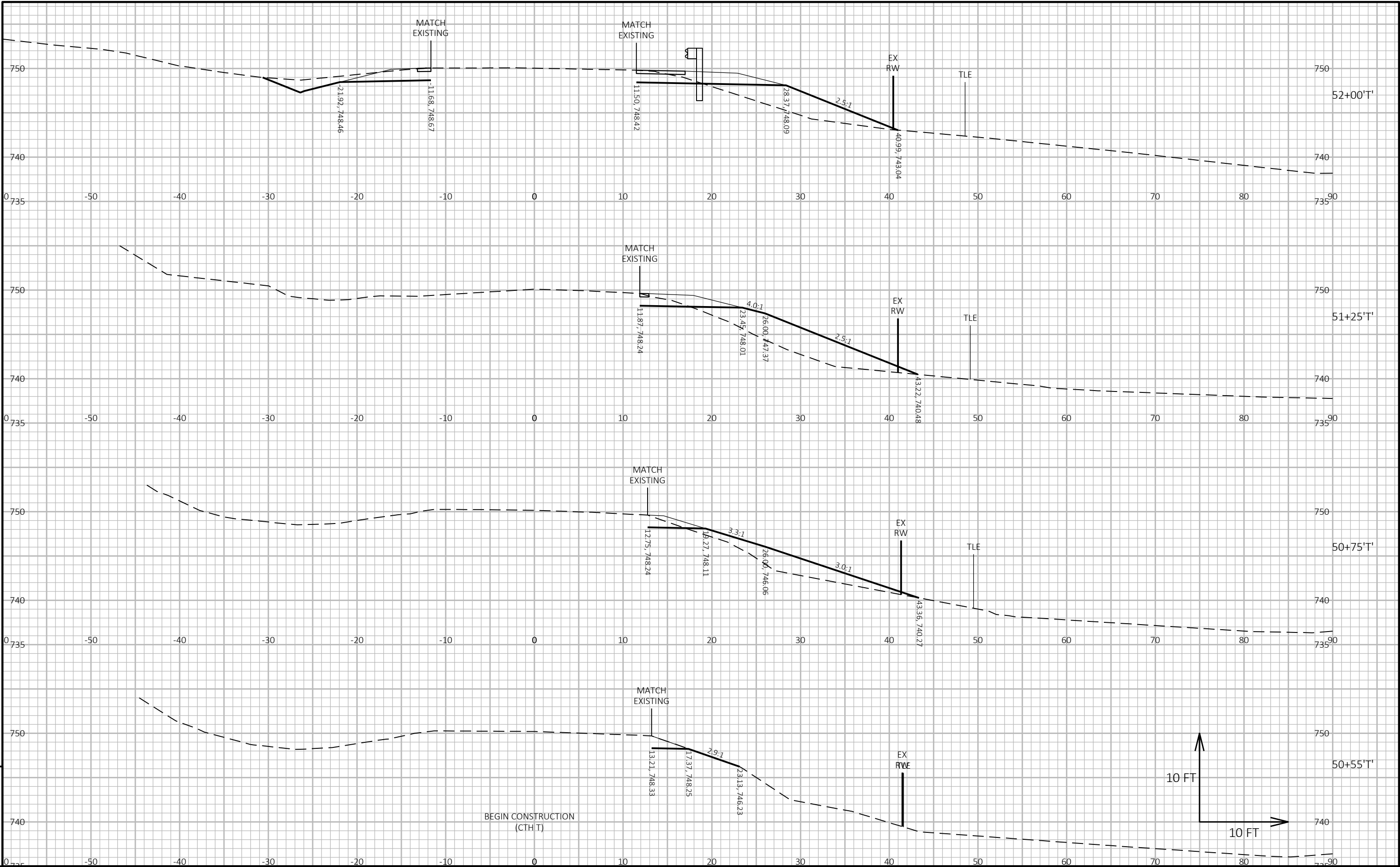


STRUCTURE B-32-0252



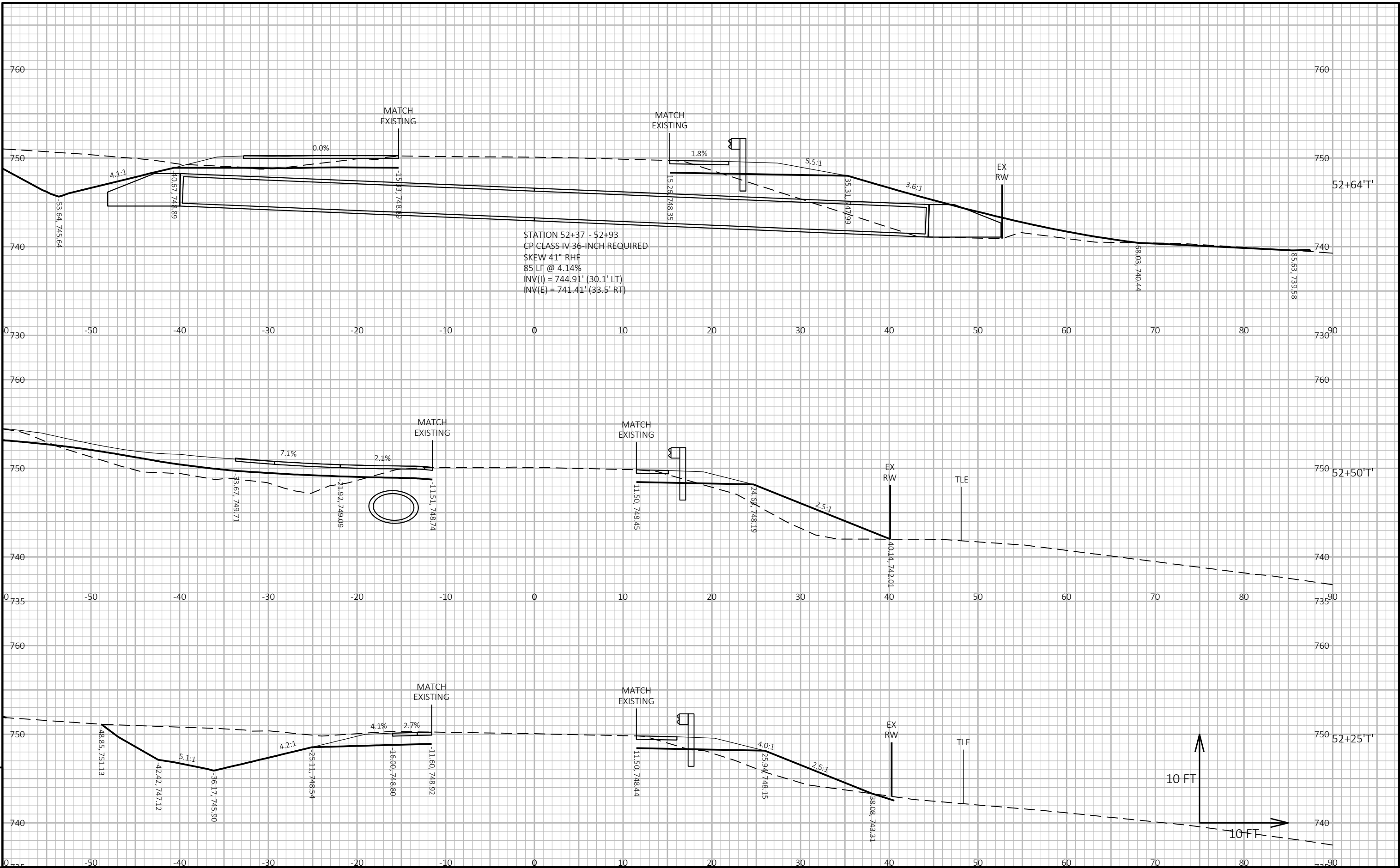


PROJECT NO: 7323-00-72	HWY: CTH M	COUNTY: LA CROSSE	CROSS SECTIONS: CTH M	SHEET	E
------------------------	------------	-------------------	-----------------------	-------	---

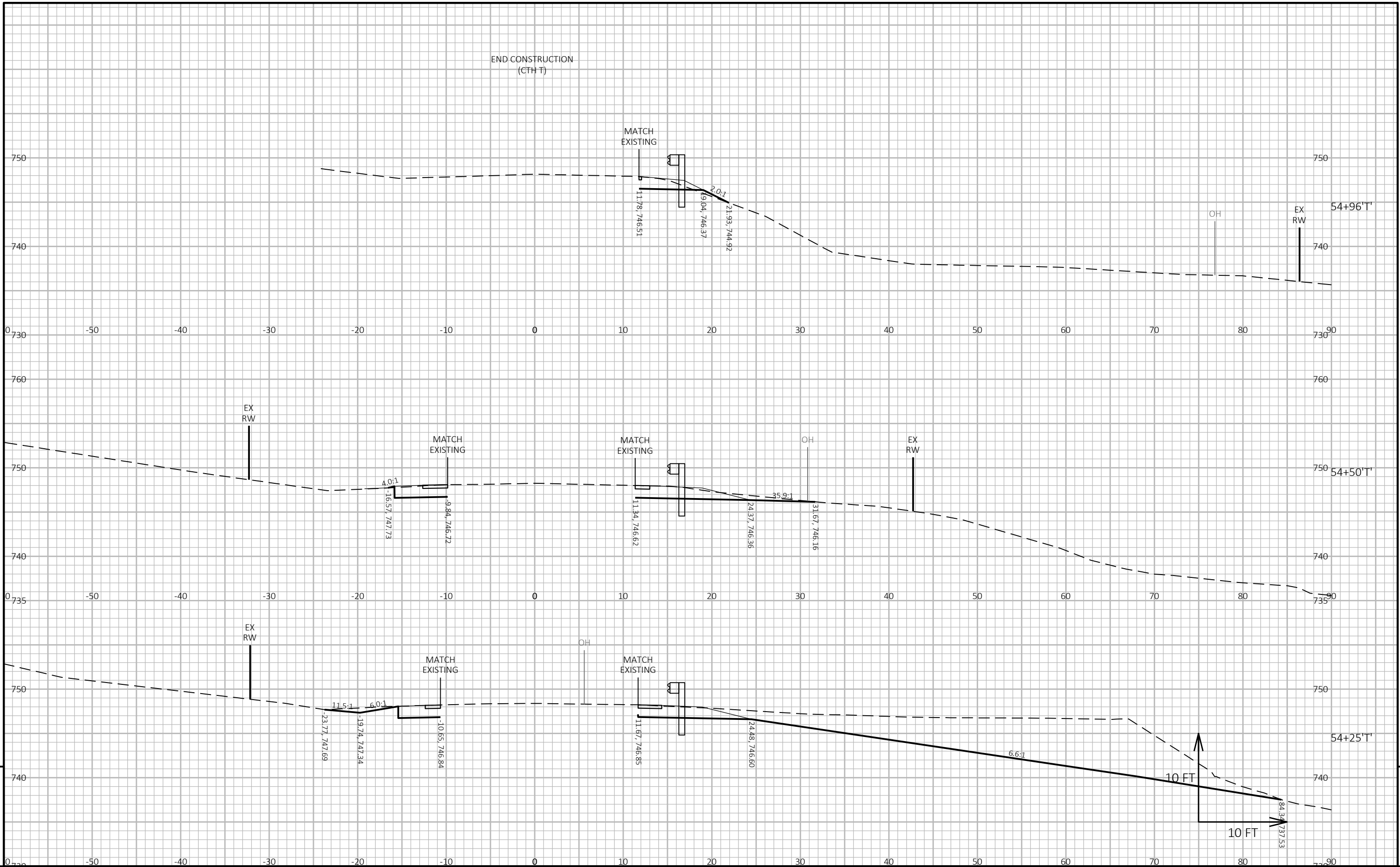


9

9



PROJECT NO: 7323-00-72	HWY: CTH M	COUNTY: LA CROSSE	CROSS SECTIONS: CTH T	SHEET	E
------------------------	------------	-------------------	-----------------------	-------	---



PROJECT NO: 7323-00-72	HWY: CTH M	COUNTY: LA CROSSE	CROSS SECTIONS: CTH T	SHEET 9
------------------------	------------	-------------------	-----------------------	---------

