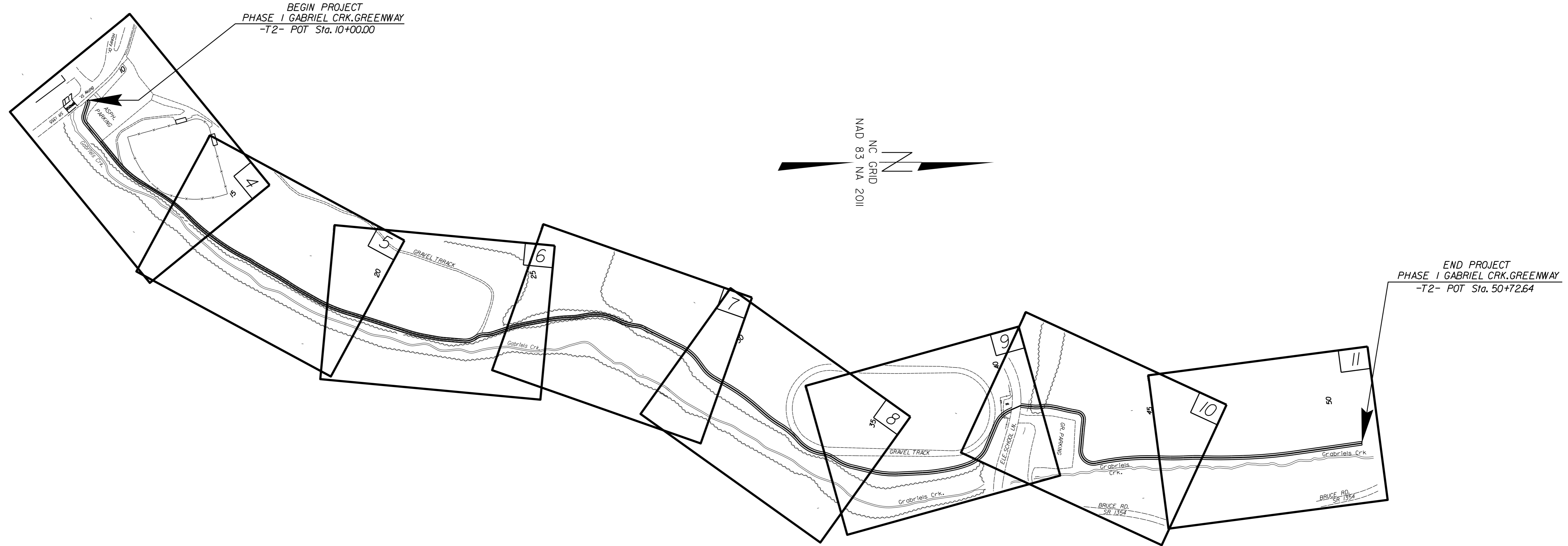
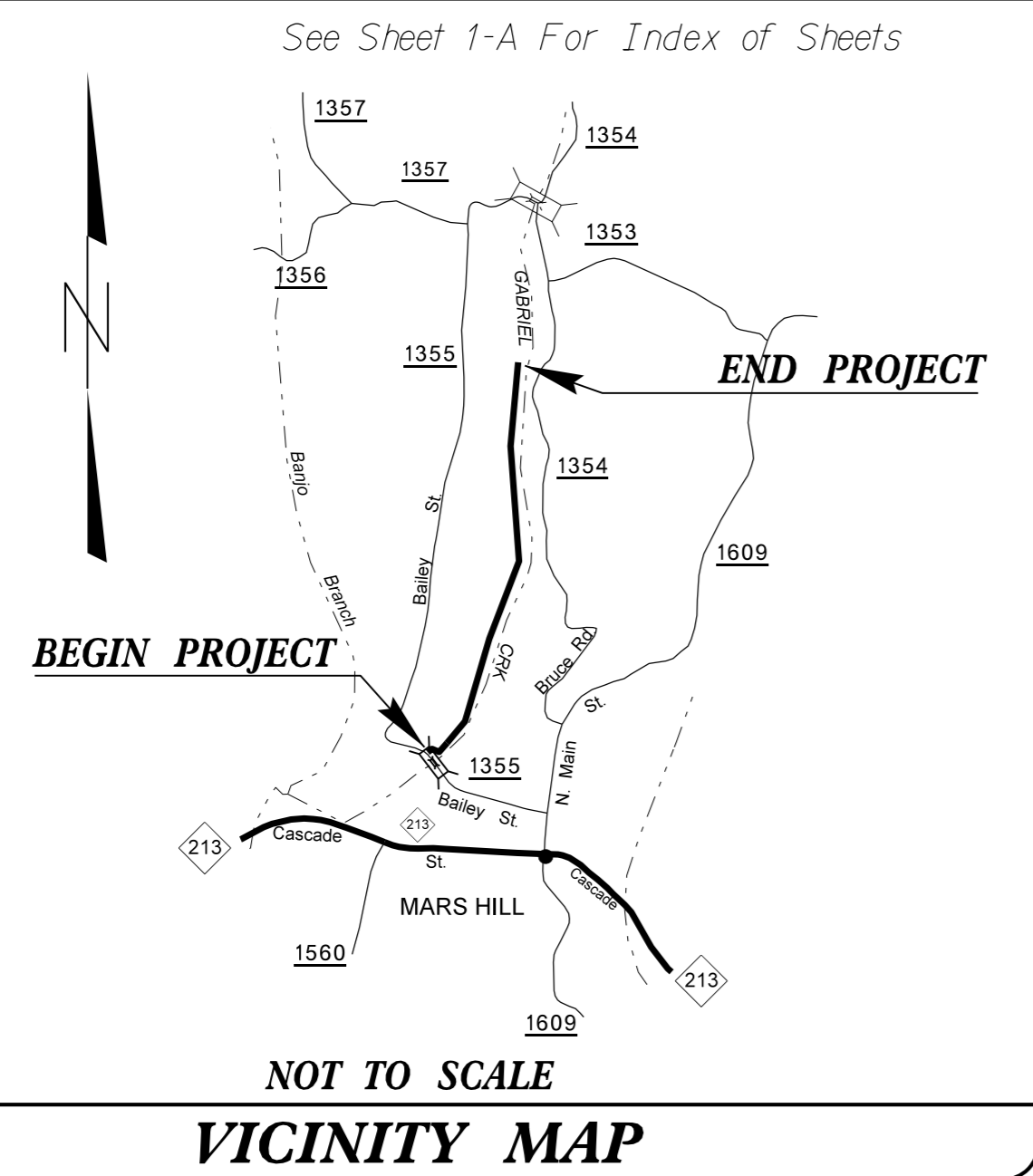


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5536	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50051.1.FD1	STPEB-1318(14)	PE	
50051.1.FD1	STPEB-1318(14)	CONST	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

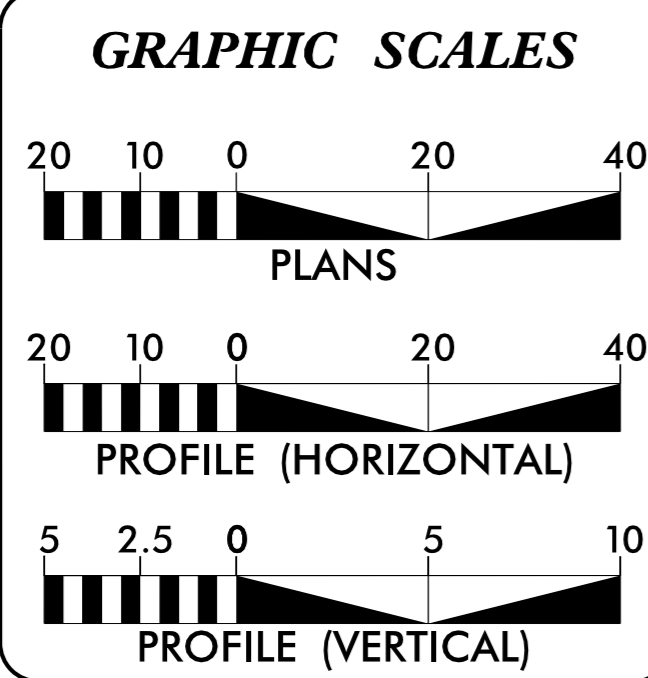
MADISON COUNTY

LOCATION: Mars Hill From Bailey Street in a Northern Direction and parallel With Gabriel Creek and Crossing Elementary School Lane to a Point In the Northeastern Section of the Madsion Co. Board of Education Property.
TYPE OF WORK: Grading, Paving, Drainage, and Signs



TIP PROJECT: EB-5536

CONTRACT: DM00137



DESIGN DATA

PROJECT LENGTH

TOTAL LENGTH OF PROJECT ... 4073' = 0.77 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
55 ORANGE ST. ASHEVILLE, NC, 28801

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____

LETTING DATE: 5-20-2015

PROJECT ENGINEER _____

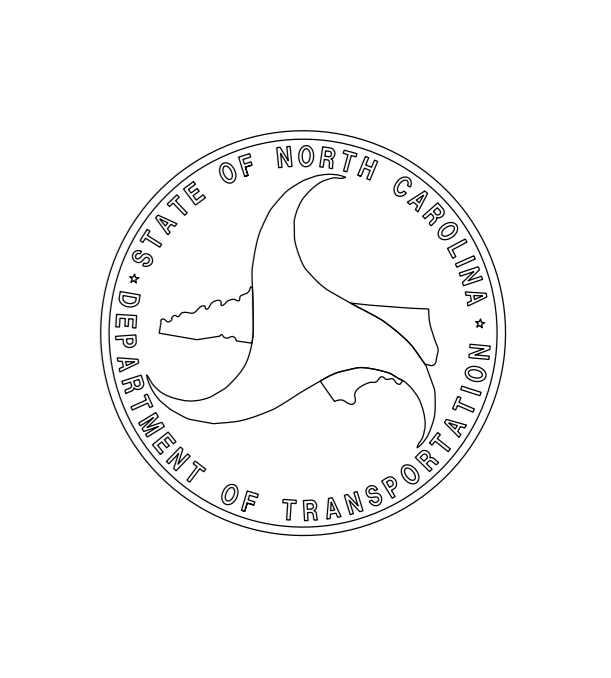
PROJECT DESIGN ENGINEER _____

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



07-APR-2015 14:56 R:\Enhancement\Madison\EB_5536\DDC\proj\EB5536_ddc.tsh.dgn \$\$\$USERNAME\$\$\$

INDEX OF SHEETS

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
1-C	SURVEY CONTROL AND CENTERLINE COORDINATE LIST
2 THRU 2-A	PAVEMENT SCHEDULE, TYPICAL SECTIONS.
2-B	STEEL FLUME PLATE DETAIL
2-C	DETAIL OF TIMBER BOLLARDS
2-D	DETAIL OF SPLIT RAIL FENCE
3A	SUMMARY OF DRAINAGE QUANTITIES, SUMMARY OF EARTHWORK, PAVEMENT REMOVAL SUMMARY, CONCRETE CURB SUMMARY, SUMMARY OF RIP RAP
4 THRU 11	PLAN SHEETS
12 THRU 15	PROFILE SHEETS
EC-1 THRU EC- 9	EROSION CONTROL PLANS
X-1 THRU X-4	CROSS-SECTIONS

LIST OF STANDARD DRAWINGS

EFF. 01-17-2012
REV. 10-30-2012

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD. NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
225.04	Method of Obtaining Superelevation - Two Lane Pavement
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
310.10	Driveway Pipe Construction
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 8 - INCIDENTALS	
840.72	Pipe Collar
846.01	Concrete Curb, Gutter and Curb & Gutter
876.02	Guide for Rip Rap at Pipe Outlets

GENERAL NOTES

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012
REVISED: 10-31-2014

GRADE LINE:
GRADING AND SURFACING:
THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

SUPERELEVATION:
ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:
ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

SUBSURFACE PLANS:
NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:
UTILITY OWNERS ON THIS PROJECT ARE
French Broad Electric - Power
Frontier - Telephone
ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

12/05/11

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EP
Property Corner	----->
Property Monument	□ ECM
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- MLB
Proposed Wetland Boundary	----- MLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB
Known Soil Contamination: Area or Site	☠
Potential Soil Contamination: Area or Site	☠?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ CSX TRANSPORTATION MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	----- RW
Proposed Right of Way Line with Iron Pin and Cap Marker	----- RW ▲
Proposed Right of Way Line with Concrete or Granite RW Marker	----- RW ▲
Proposed Control of Access Line with Concrete CA Marker	----- CA
Existing Control of Access	----- CA
Proposed Control of Access	----- CA
Existing Easement Line	----- E
Proposed Temporary Construction Easement	----- E
Proposed Temporary Drainage Easement	----- TDE
Proposed Permanent Drainage Easement	----- PDE
Proposed Permanent Drainage / Utility Easement	----- DUE
Proposed Permanent Utility Easement	----- PUE
Proposed Temporary Utility Easement	----- TUE
Proposed Aerial Utility Easement	----- AUE
Proposed Permanent Easement with Iron Pin and Cap Marker	----- ◆

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	----- CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	☼
Single Shrub	☼
Hedge	-----
Woods Line	-----

Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- CONC
Bridge Wing Wall, Head Wall and End Wall	----- CONC WW
MINOR:	
Head and End Wall	----- CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	○
Storm Sewer	----- S

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	□
H-Frame Pole	●
Recorded U/G Power Line	----- P
Designated U/G Power Line (S.U.E.*)	----- P

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	□
Recorded U/G Telephone Cable	----- T
Designated U/G Telephone Cable (S.U.E.*)	----- T
Recorded U/G Telephone Conduit	----- TC
Designated U/G Telephone Conduit (S.U.E.*)	----- TC
Recorded U/G Fiber Optics Cable	----- T FO
Designated U/G Fiber Optics Cable (S.U.E.*)	----- T FO

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
Recorded U/G Water Line	----- W
Designated U/G Water Line (S.U.E.*)	----- W
Above Ground Water Line	----- A/G Water

TV:

TV Satellite Dish	☼
TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	□
Recorded U/G TV Cable	----- TV
Designated U/G TV Cable (S.U.E.*)	----- TV
Recorded U/G Fiber Optic Cable	----- TV FO
Designated U/G Fiber Optic Cable (S.U.E.*)	----- TV FO

GAS:

Gas Valve	◇
Gas Meter	⊕
Recorded U/G Gas Line	----- G
Designated U/G Gas Line (S.U.E.*)	----- G
Above Ground Gas Line	----- A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
Recorded SS Forced Main Line	----- FSS
Designated SS Forced Main Line (S.U.E.*)	----- FSS

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	----- ?UTL
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

DATUM DESCRIPTION

*** This file was generated by Location Survey ***
 Project: 50051.1.FD1 Localized By: gdoarver
 TIP: 50051FD Combined Factor: 0.99981924
 Date: 5/20/2014 Holding Point: 3
 Horz Datum: NAD83/ NA 2011 Northing(M): 236854.95483871
 Vert Datum: NAVD88 Easting(M): 288893.326695454
 System: Local Units:English

BASELINE DESCRIPTION

Point	North	East	Station	Elevation
BL1	775,813.8920	947,507.5350	5+00.00	2.247.8900

Point	North	East	Station	Elevation
BL2	776,482.1540	947,792.2380	12+26.38	2.258.3700

Point	North	East	Station	Elevation
BL3	777,081.6310	947,810.8560	18+26.15	2.294.2700

Point	North	East	Station	Elevation
BL4	777,918.0900	948,062.0190	26+99.50	2.294.9100

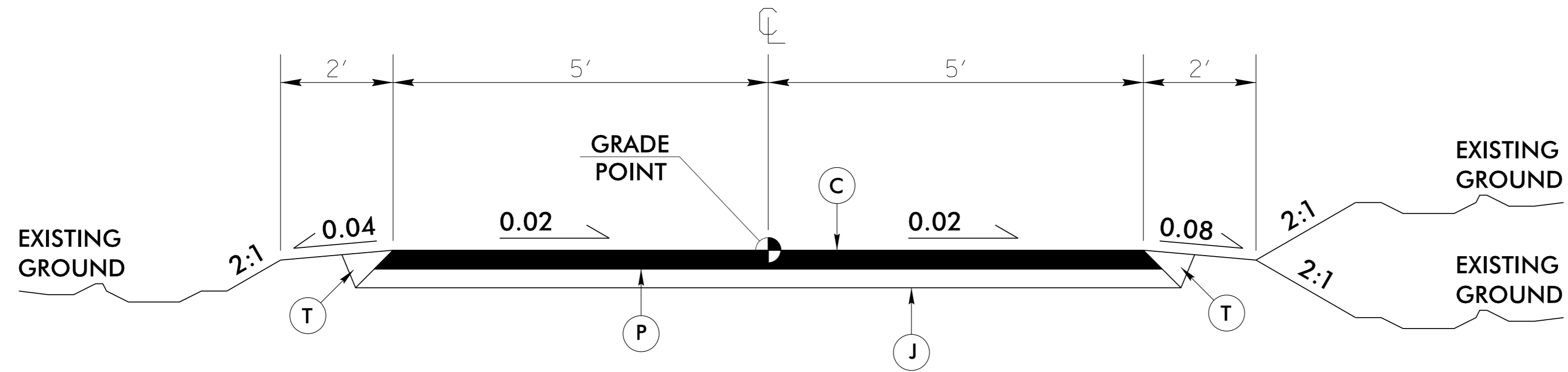
Point	North	East	Station	Elevation
BL5	778,528.1350	948,107.5490	33+11.24	2.295.0100

CENTERLINE COORDINATE LIST

Point #	Chain	Sta.	Northing (Y)	Easting (X)
1	T2	10+00.00	775460.4902	947148.8482
2	T2	11+00.00	775478.7251	947237.2091
3	T2	12+00.00	775541.9998	947314.6450
4	T2	13+00.00	775618.1708	947378.4867
5	T2	14+00.00	775701.8330	947433.0969
6	T2	15+00.00	775775.4529	947500.6843
7	T2	16+00.00	775857.0372	947558.3702
8	T2	17+00.00	775943.8362	947607.9121
9	T2	18+00.00	776029.3029	947659.7689
10	T2	19+00.00	776117.2011	947707.3623
11	T2	20+00.00	776211.8449	947739.3880
12	T2	21+00.00	776307.1090	947769.7890
13	T2	22+00.00	776404.0044	947793.9166
14	T2	23+00.00	776503.2016	947799.1607
15	T2	24+00.00	776597.6785	947769.9565
16	T2	25+00.00	776695.0289	947747.6761
17	T2	26+00.00	776794.2447	947736.2504
18	T2	27+00.00	776892.1499	947741.3978
19	T2	28+00.00	776985.8768	947774.0478
20	T2	29+00.00	777075.3688	947818.6703
21	T2	30+00.00	777144.9842	947889.0359
22	T2	31+00.00	777229.3704	947942.3730
23	T2	32+00.00	777306.8692	948005.4526
24	T2	33+00.00	777385.9768	948066.1601
25	T2	34+00.00	777471.7950	948112.1482
26	T2	35+00.00	777563.5190	948149.7461
27	T2	36+00.00	777662.1584	948163.3396
28	T2	37+00.00	777761.9226	948156.9034
29	T2	38+00.00	777858.8496	948133.5833
30	T2	39+00.00	777916.4330	948055.9156
31	T2	40+00.00	777979.6739	947984.2936
32	T2	41+00.00	778077.7640	947980.7535
33	T2	42+00.00	778165.4825	948014.4654
34	T2	43+00.00	778160.4081	948113.6633
35	T2	44+00.00	778251.0381	948124.8066
36	T2	45+00.00	778350.7514	948118.5801
37	T2	46+00.00	778450.7109	948118.8860
38	T2	47+00.00	778550.6759	948119.6123
39	T2	48+00.00	778650.5808	948115.5227
40	T2	49+00.00	778749.9257	948104.3085
41	T2	50+00.00	778848.9180	948090.1474
42	T2	50+72.64	778920.8306	948079.8601

Note: A Limited Amount of Surveying Was Done On This Project. NCDOT_OneMap Latest Image Was Used For Base Mapping And Lidar For Elevations.

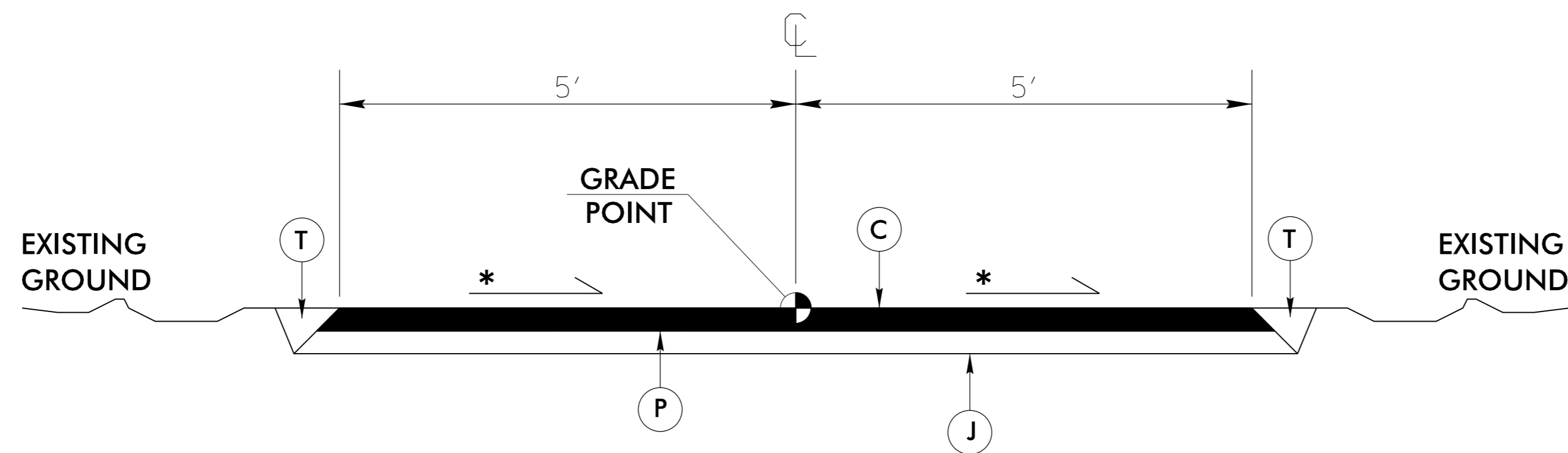
PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>2</i>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



TYPICAL SECTION NO. 1

FROM STA. 10+00.00 TO STA. 10+41.00

Note: Do Not Raise Elevation Along Proposed Greenway From Station -T2-10+41 To -T2-23+12 And From Station -T2-42+91 To -T2-50+72. This Area is Located In A FEMA 100 Year Flood Study



TYPICAL SECTION NO. 2

FROM STA. 10+41.00 TO STA. 23+12.00
FROM STA. 28+00.00 TO STA. 39+89.29
FROM STA. 42+91.00 TO STA. 50+72.64

* - MATCH EXISTING GROUND SUPERELEVATION FOR DRAINAGE UP TO A MAXIMUM 0.02 SUPERELEVATION

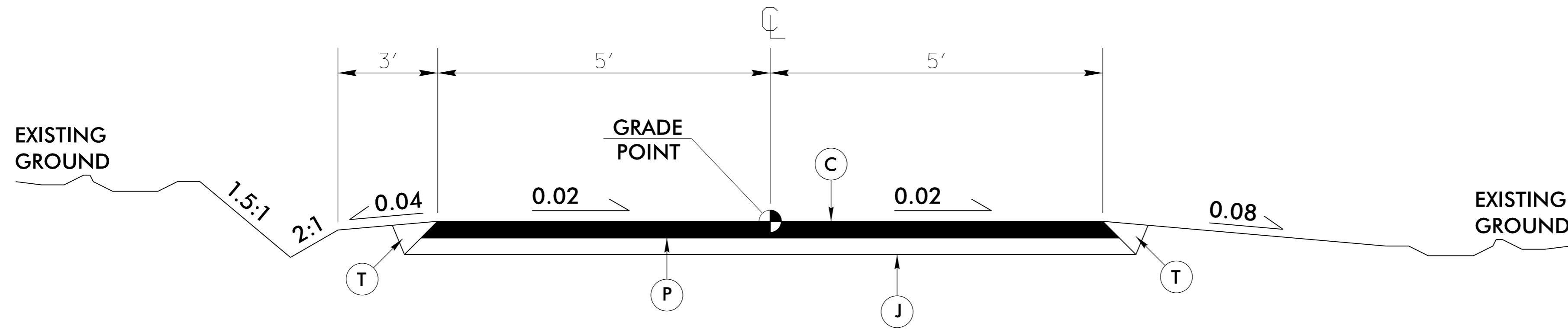
PAVEMENT SCHEDULE	
C	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 220 LBS. PER SQ. YD.
J	PROP. 6" AGGREGATE BASE COURSE
P	PRIME COAT AT THE RATE OF 0.35 GAL. PER SQ. YD.
T	EARTH MATERIAL

NOTE - SEE PLAN SHEETS FOR LOCATION OF FENCE.

6/2/99

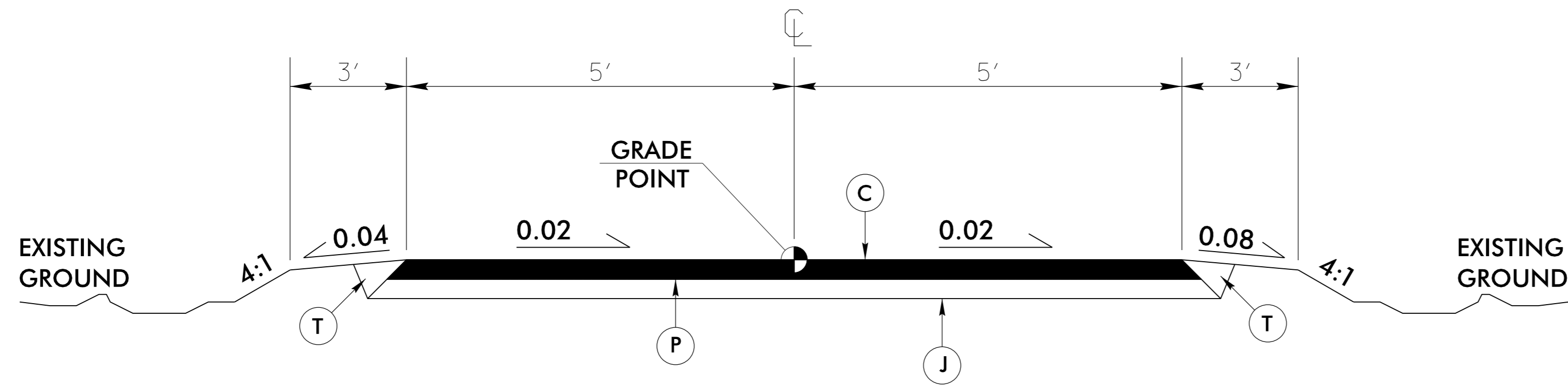
29-MAR-2015 2:11:10 PM C:\Users\jldgn\OneDrive\Documents\EB-5536\DDC\proo\EB5536.ddc - tujp.ludgn

PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>2-A</i>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



TYPICAL SECTION NO. 3
FROM STA. 23+12.00 TO STA. 28+00.00

Note: Do Not Raise Elevation Along Proposed Greenway From Station -T2-10+41 To -T2-23+12 And From Station -T2-42+91 To -T2-50+72. This Area is Located In A FEMA 100 Year Food Study



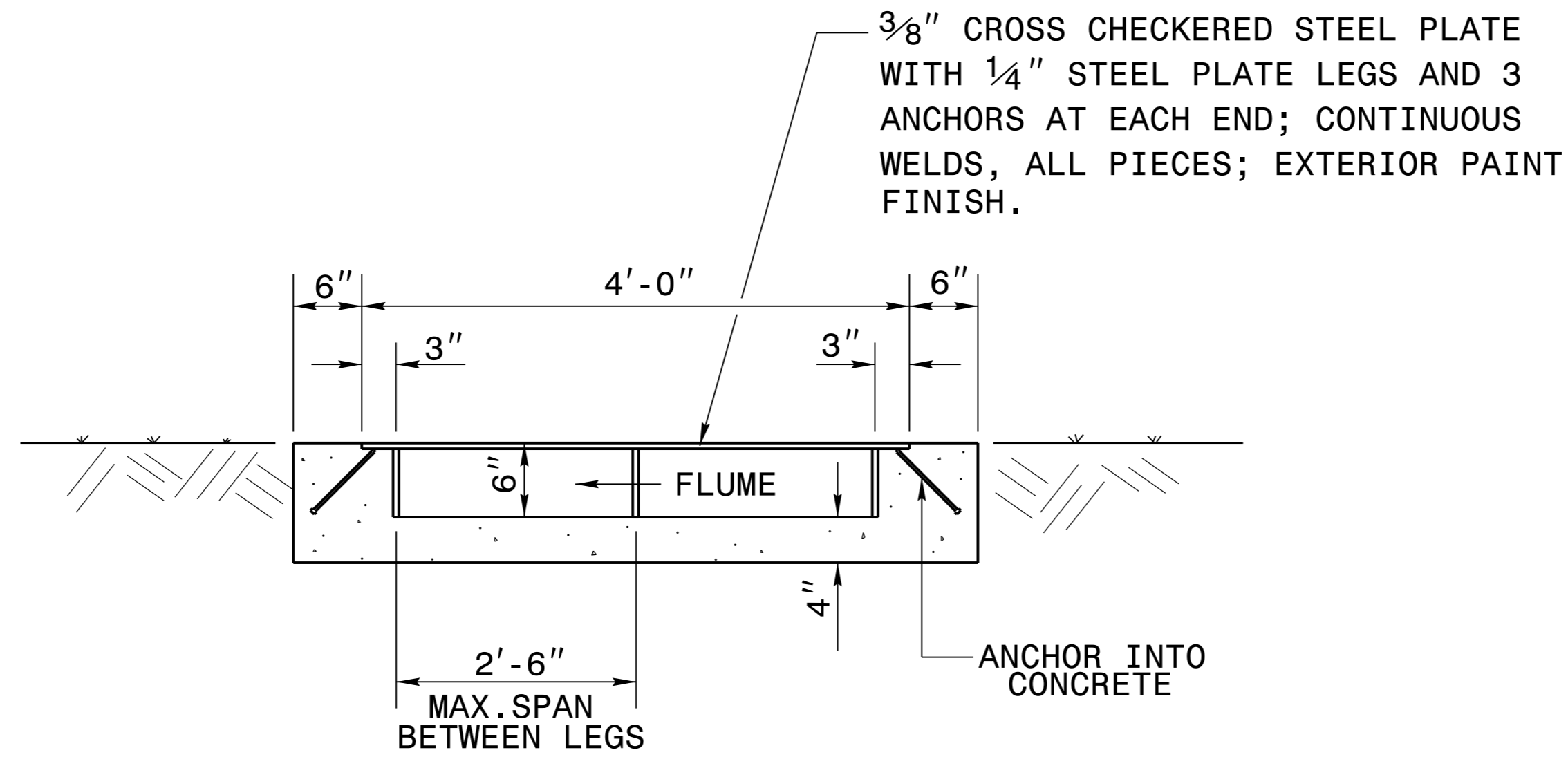
TYPICAL SECTION NO. 4
FROM STA. 40+16.88 TO STA. 42+91.00

PAVEMENT SCHEDULE	
C	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 220 LBS. PER SQ. YD.
J	PROP. 6" AGGREGATE BASE COURSE
P	PRIME COAT AT THE RATE OF 0.35 GAL. PER SQ. YD.
T	EARTH MATERIAL

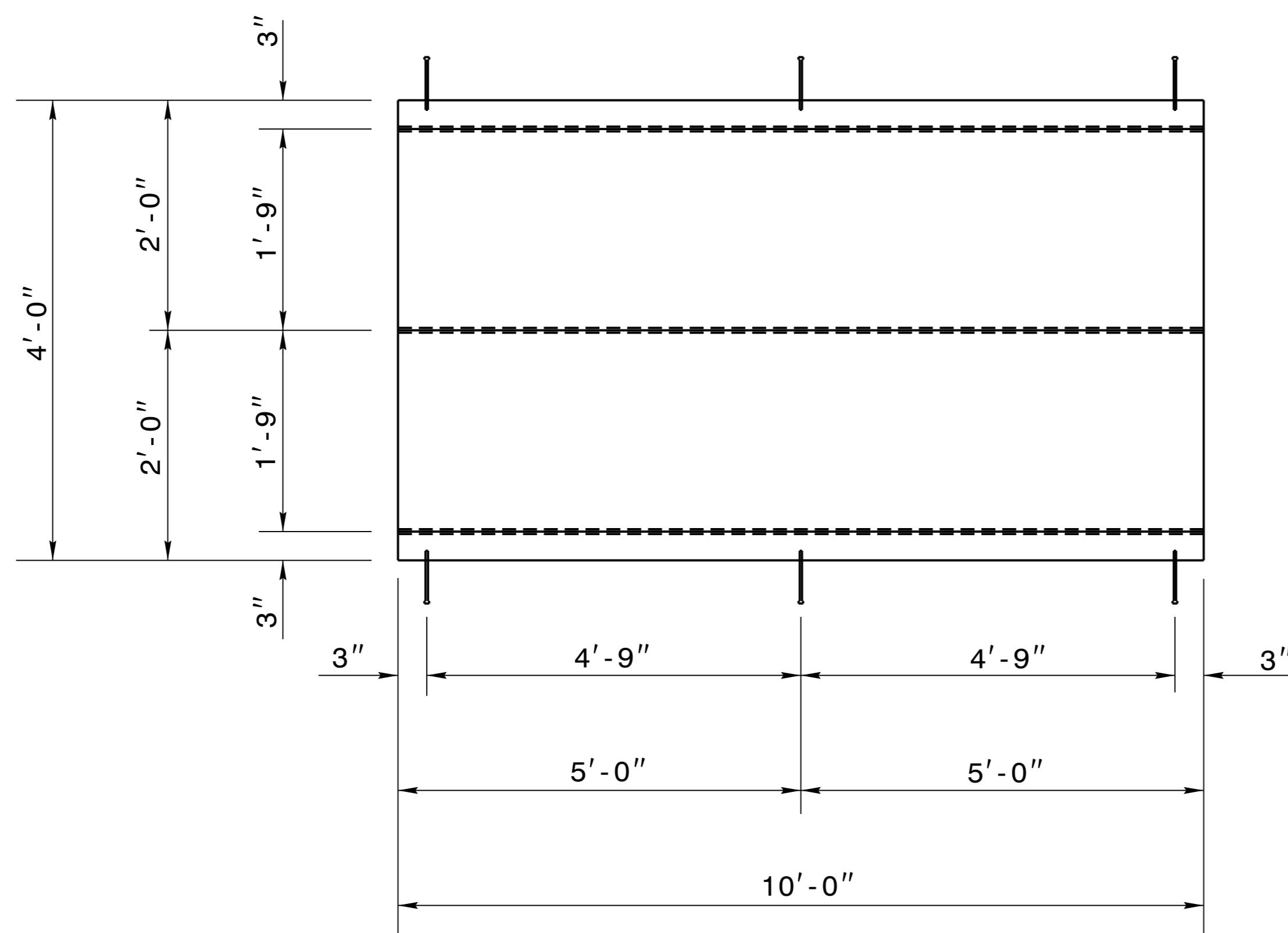
NOTE - SEE PLAN SHEETS FOR LOCATION OF FENCE.

6/2/99

29-MAR-2015 2:17 PM desk top \EB 5536\DDC\proo\EB5536.ddc -tj.p2.dgn



FLUME SECTION VIEW



STEEL FLUME PLATE

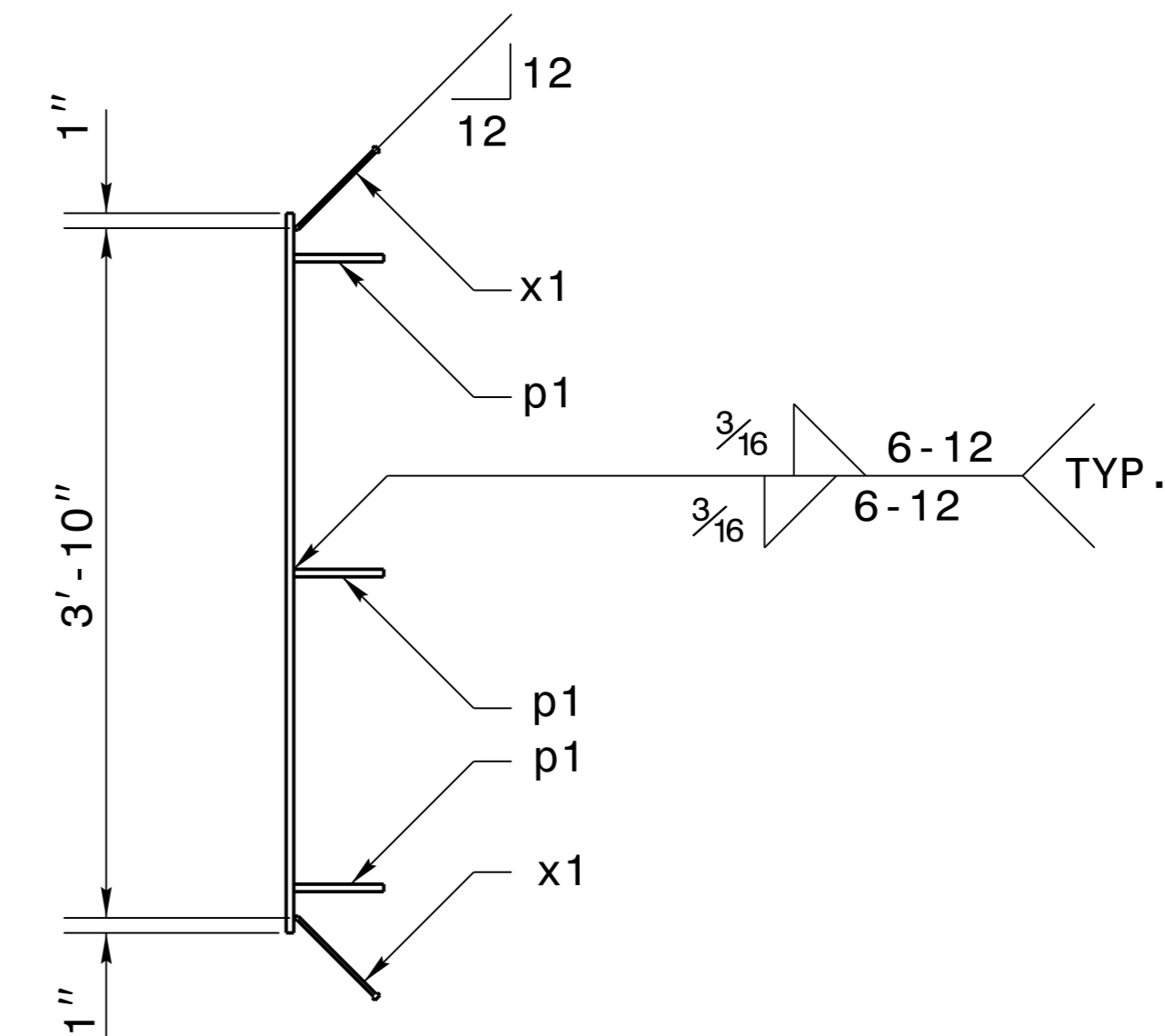


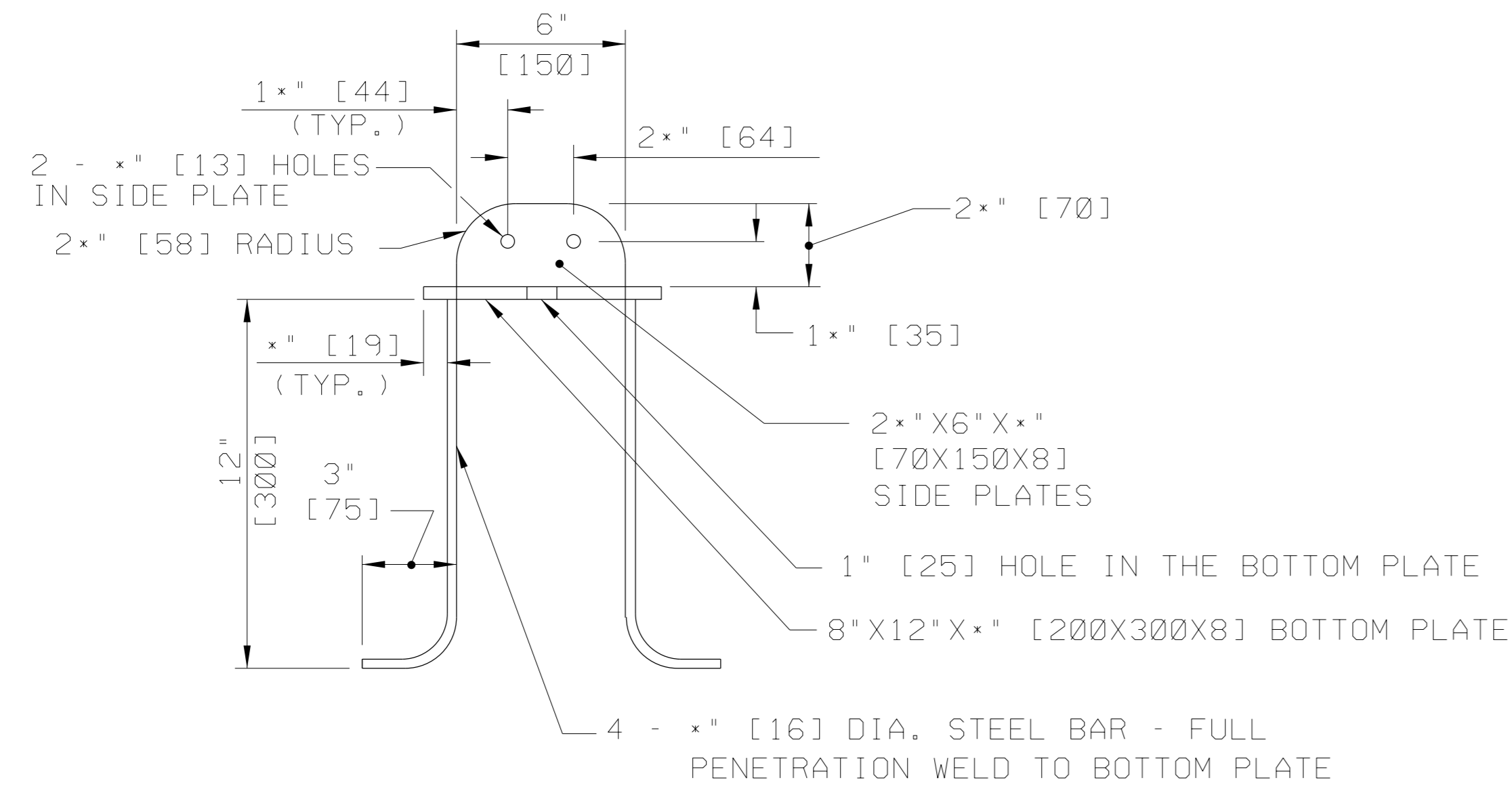
PLATE SECTION VIEW

MARK	QTY	DESCRIPTION	LENGTH	GRADE	ROUTING CODE
1P1	1	CP 3/8 x 48	10'-0"	A786	F
p1	3	PL 1/4 x 6	10'-0"	A36	
x1	6	1/2 WS	0'-6 1/8"	A108	

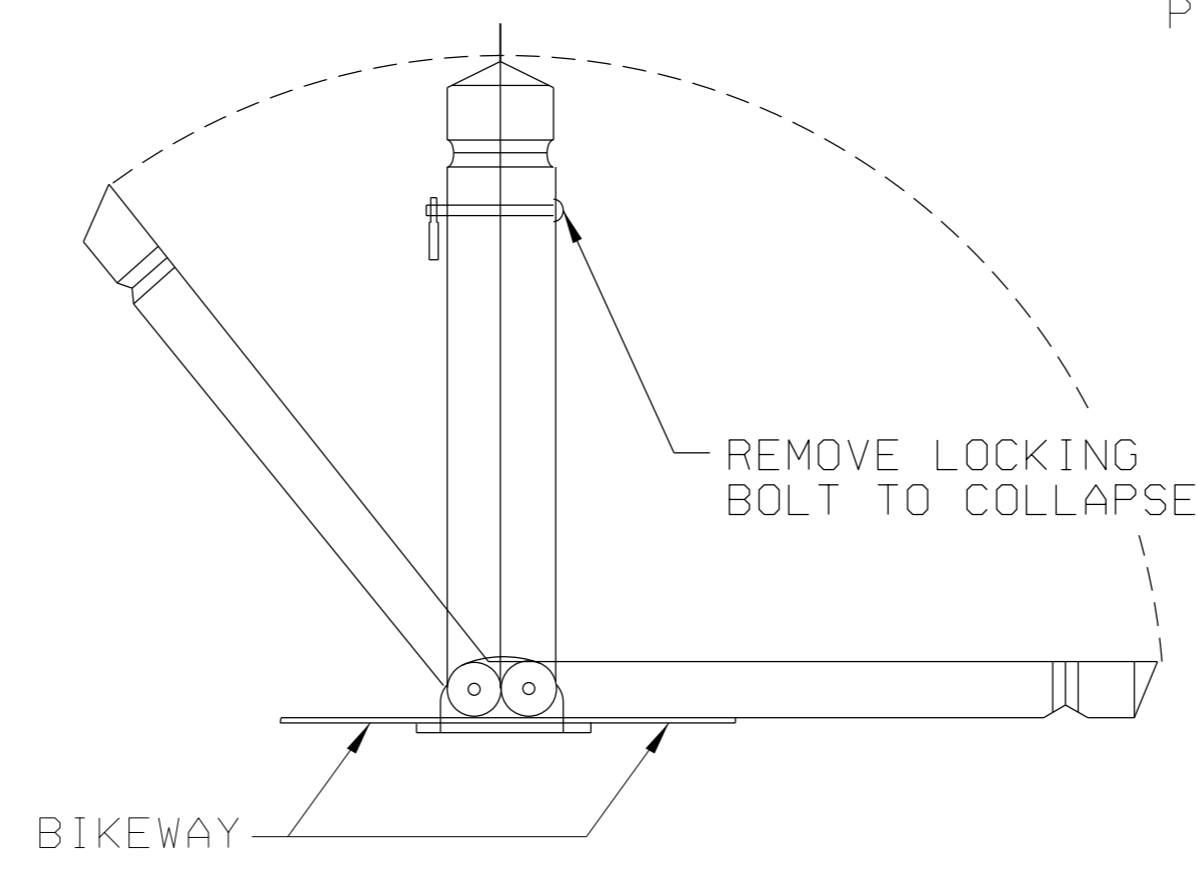
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6900 FAX 919-250-4119

STEEL FLUME PLATE DETAIL

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: rtritt DATE: 09/9/15
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: Enhancement/Madison/EB5536/DDC/Special Details



SECTION

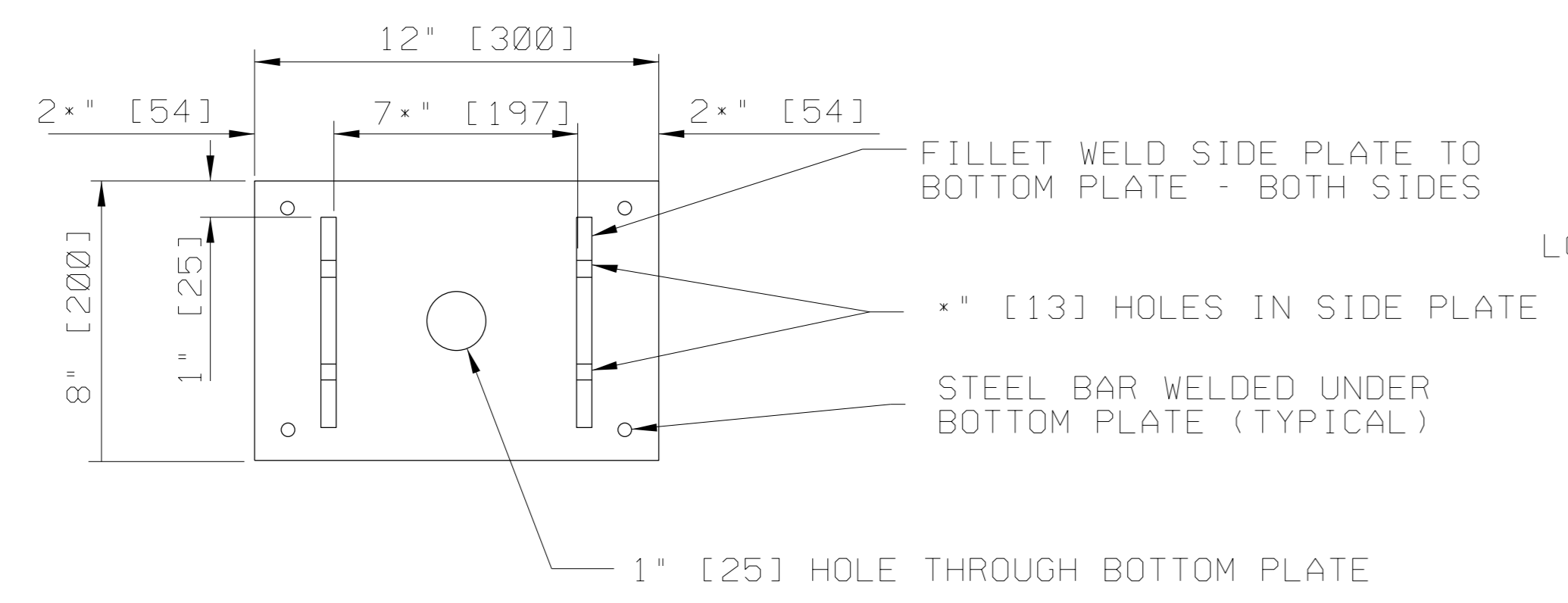
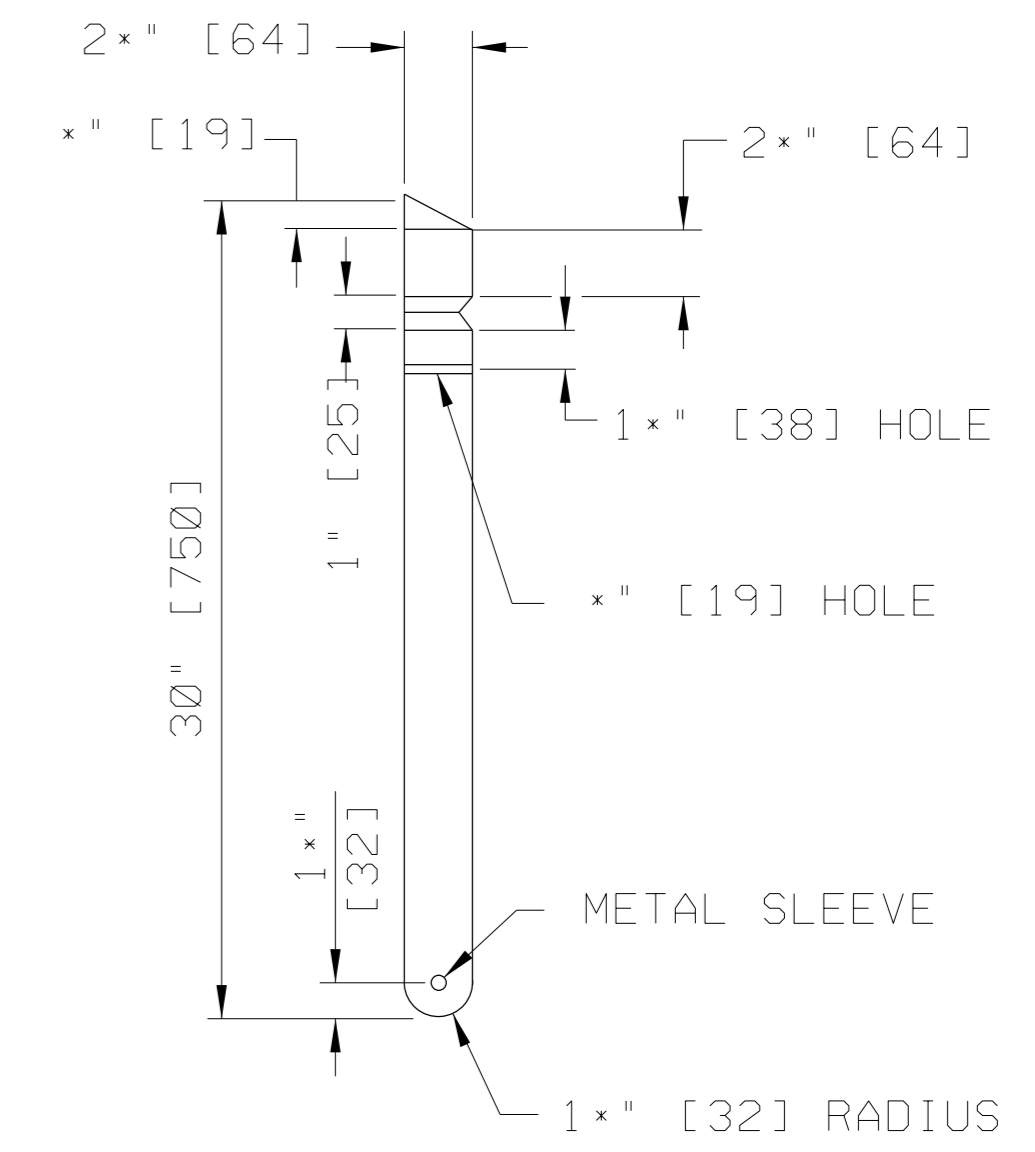


ORIENTATE BOLLARD TO OPEN PARALLEL TO CENTERLINE OF PATH.
BOLLARD DETAIL

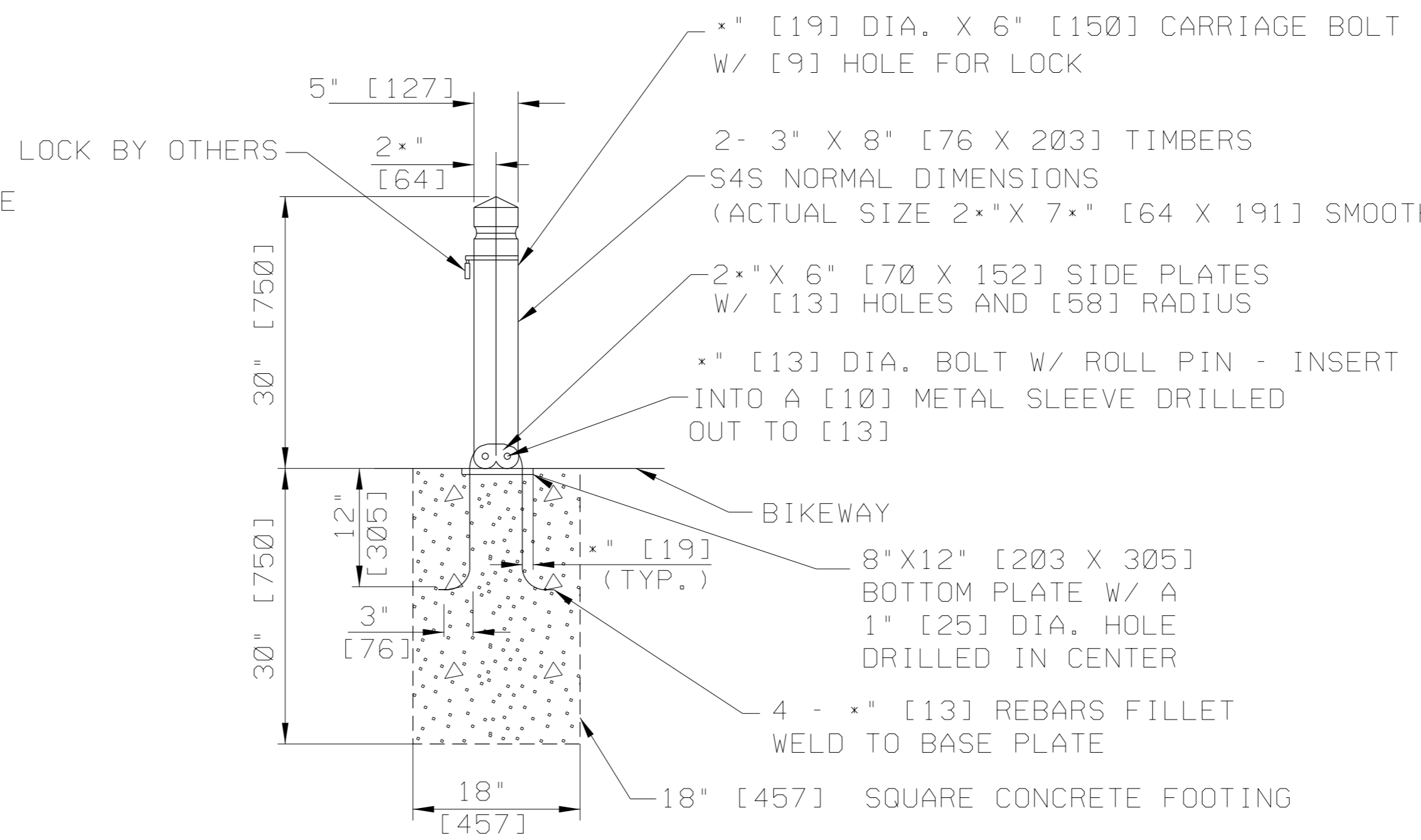
NOTES

MATERIALS: IN ORDER TO ENSURE THAT THE BOLLARD STAYS PLUMB AND IN PLACE, MAKE THE FITTINGS AS TIGHT AS POSSIBLE. IF MADE OF WOOD, CONSTRUCT THE BOLLARD USING CCA PRESSURE TREATED SOUTHERN YELLOW PINE. PRESSURE TREAT AS SPECIFIED IN CMS 712.06. HOT-DIP GALVANIZE ANY HARDWARE AND STEEL USED FOR THE BOLLARD.

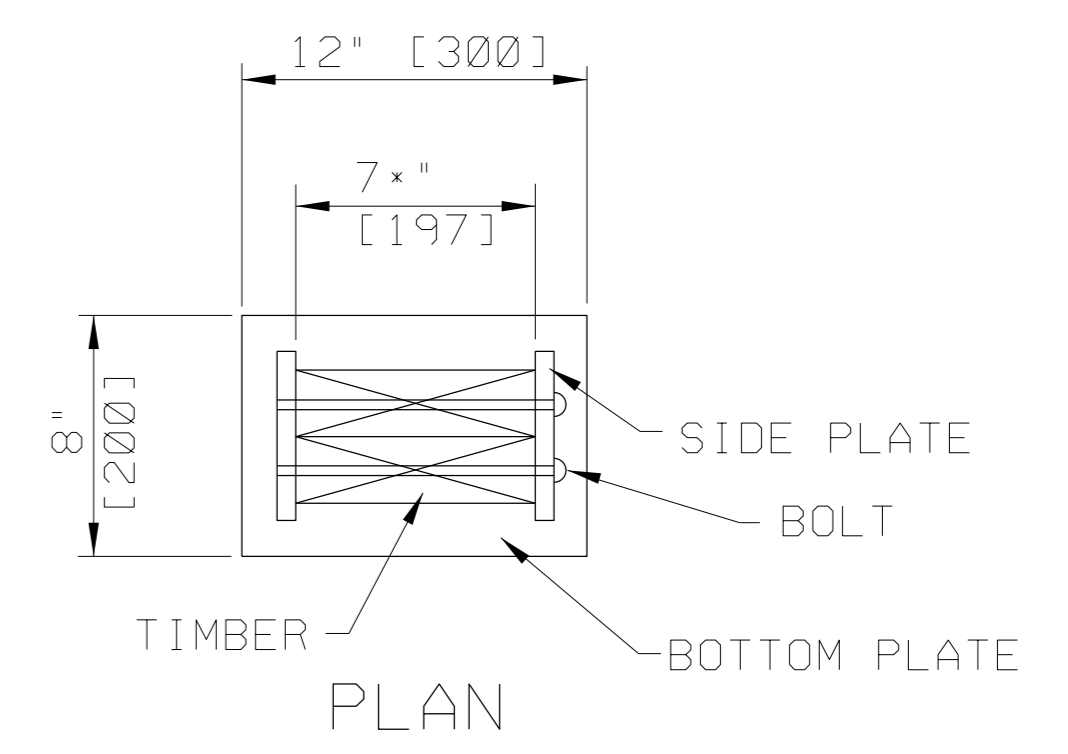
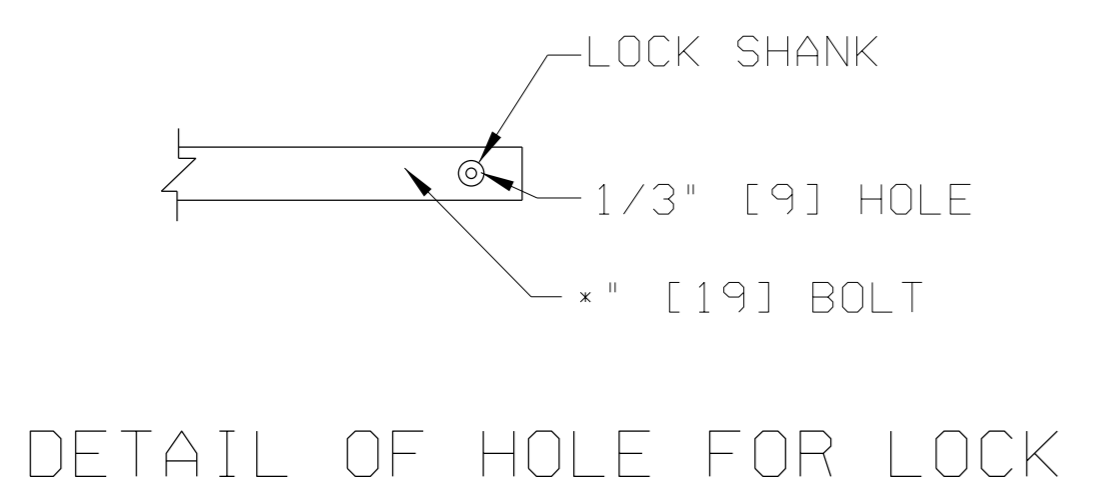
PAYMENT: PAYMENT FOR THE BOLLARD SHALL BE MADE UNDER: "TIMBER BOLLARDS"



PLAN



SECTION

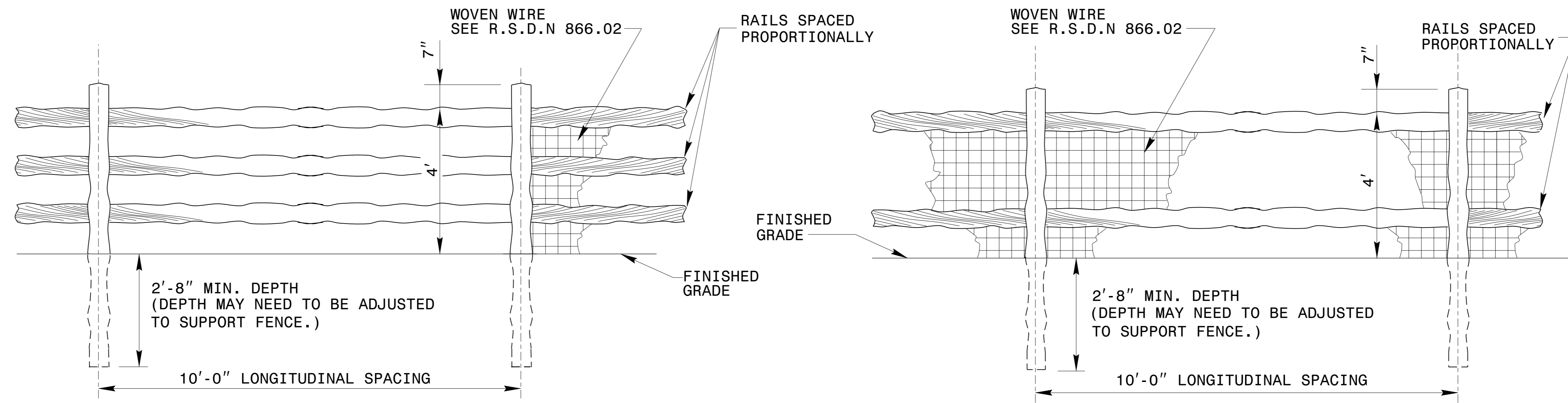


THIS DRAWING REPLACES RM-5.1M DATED 1-3-96.

NUMBER RM-5.1	STANDARD ROADWAY CONSTRUCTION DRAWING TIMBER BOLLARDS	ROADWAY ENGINEERING SERVICES	ALL METRIC DIMENSIONS (IN BRACKETS []) ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.	STDS. ENGR. FOCKE	OHIO DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN ENGINEER	DATE 4-18-03
------------------	--	------------------------------	--	----------------------	--	-----------------

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

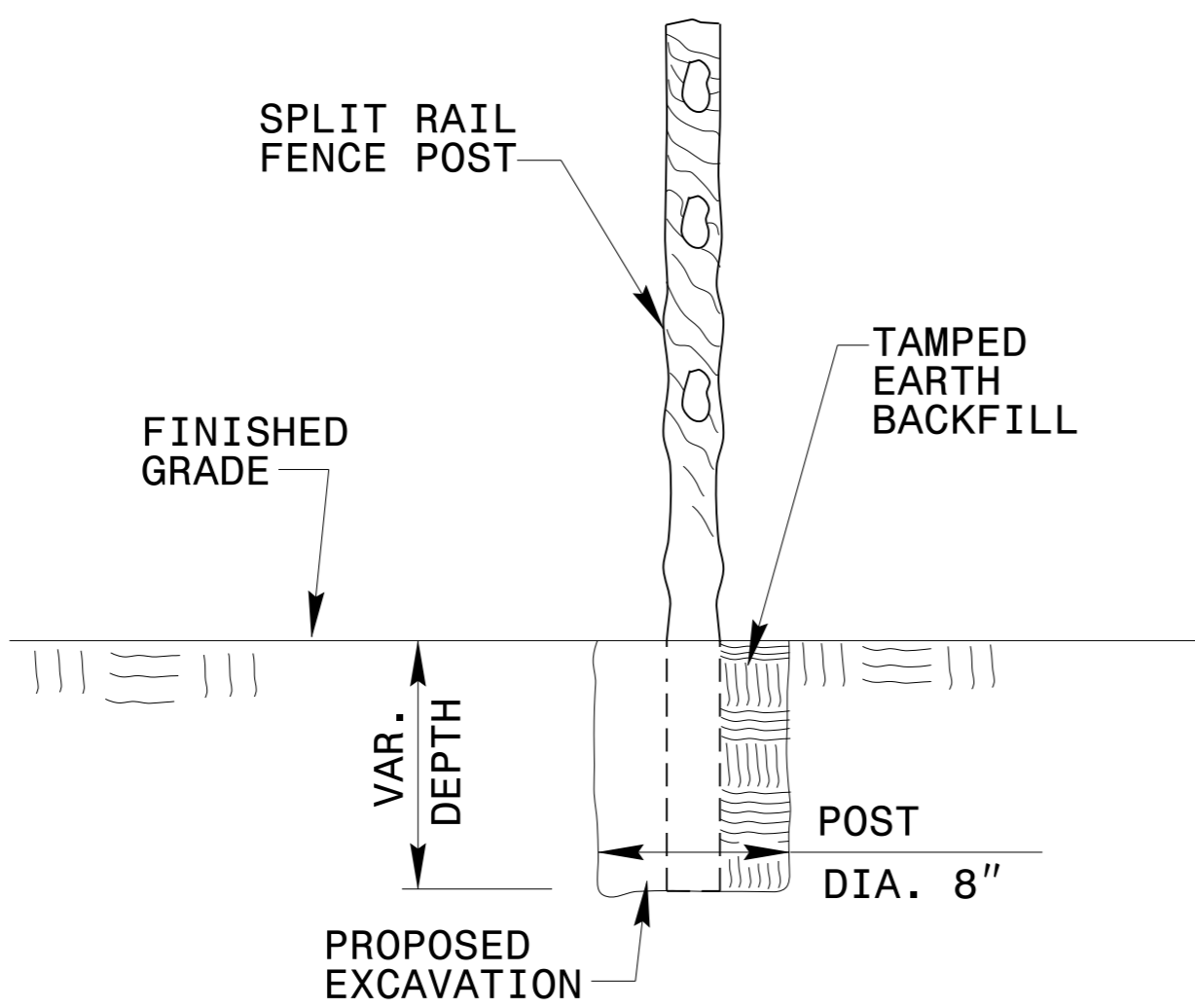


3 RAIL ELEVATION

2 RAIL ELEVATION

ENGLISH DETAIL DRAWING FOR
SPLIT RAIL FENCE

ENGLISH DETAIL DRAWING FOR
SPLIT RAIL FENCE



NOTE:
VARIABLE DEPTH - SEE TWO
AND THREE RAIL ALTERNATES
**EXCAVATION OR
EMBANKMENT DETAIL**

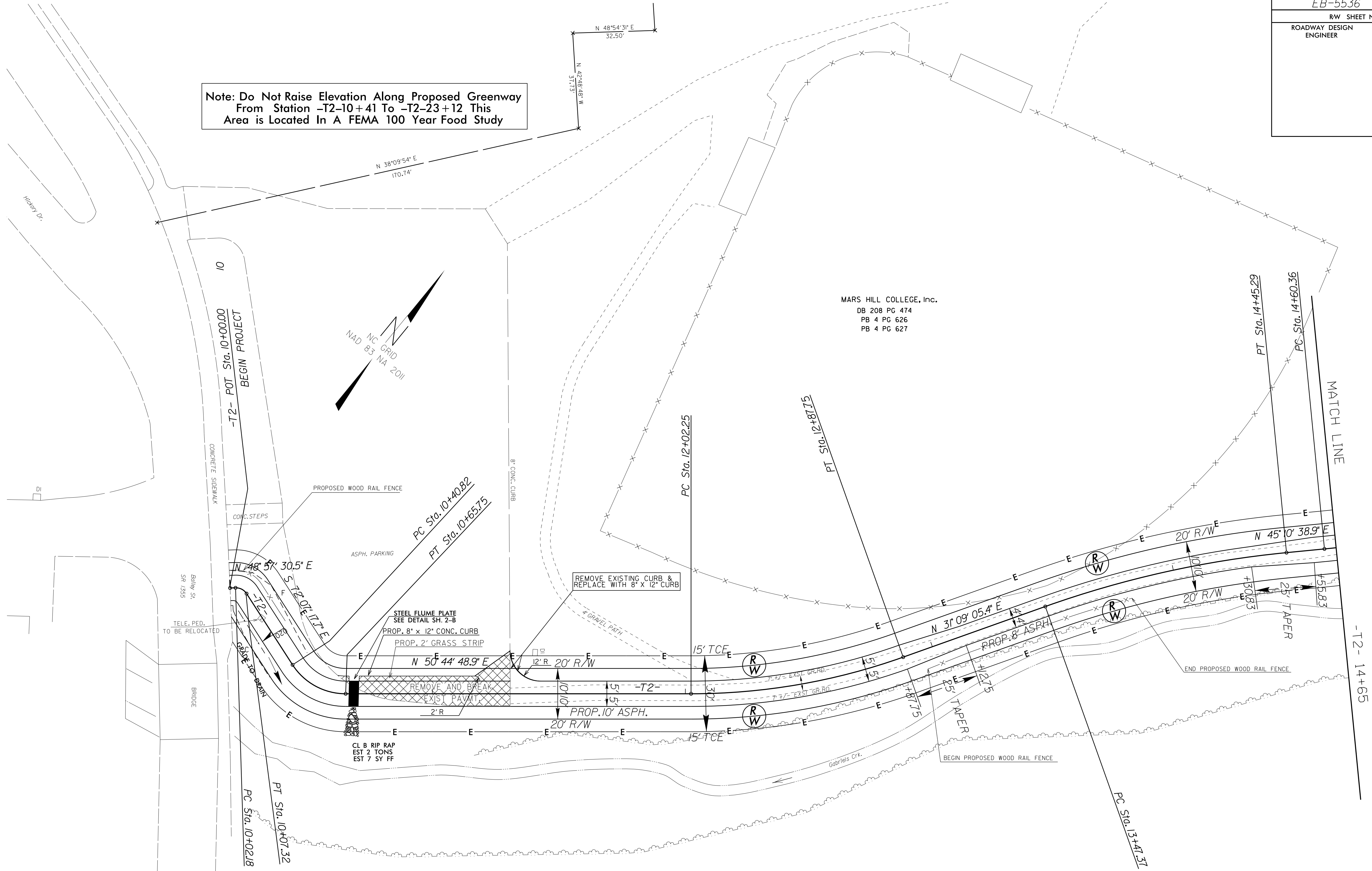
SPLIT RAIL FENCE SPECIFICATIONS

	FACE	THICKNESS	LENGTH
RAILS:	3" TO 6"	3" TO 6"	10' + *
POSTS:	4" TO 7"	2 3/4" TO 4 1/2"	6'-8" MIN-3 RAIL 6'-2" MIN-2 RAIL

* RAIL LENGTH MAY VARY, BUT MUST BE LONG ENOUGH FOR 10' SPACING.

GENERAL NOTES:
SPLIT RAIL FENCE TO BE CONSTRUCTED FROM TREATED LUMBER IN ACCORDANCE WITH DETAILS AS SHOWN IN PLANS OR AS DIRECTED BY THE ENGINEER.
SEE R.S.D.N. 866.02 FOR WOVEN WIRE FENCE. FASTEN THE WOVEN WIRE TO THE SPLIT RAIL FENCE AS SHOWN IN 866.02.
THE SPLIT RAIL SIZES MAY VARY IN CONFIGURATION BY THE MANUFACTURER.
THE CONTRACTOR SHALL CONFORM TO THESE SECTIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES: TREATED TIMBER AND LUMBER (982-2 (A&D)), PRESERVATIVE TREATMENT (982-3(A&E)), AND STANDARD C1 OF THE AMERICAN WOOD PRESERVER'S ASSOCIATION.

Note: Do Not Raise Elevation Along Proposed Greenway From Station -T2-10+41 To -T2-23+12 This Area is Located In A FEMA 100 Year Flood Study

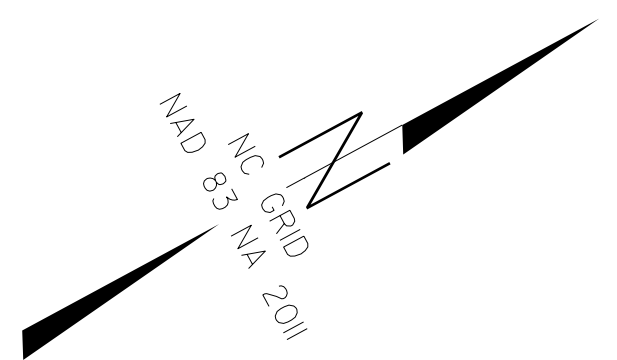


PI Sta 10+05.00 Δ = 58° 55' 11.9" (RT) D = 1145' 54' 56.1" L = 5.14' T = 2.82' R = 5.00'	PI Sta 10+54.43 Δ = 57° 07' 53.4" (LT) D = 229' 10' 59.2" L = 24.93' T = 13.61' R = 25.00'	PI Sta 12+45.42 Δ = 19° 35' 43.5" (LT) D = 22' 55' 05.9" L = 85.50' T = 43.17' R = 250.00'	PI Sta 13+96.58 Δ = 14° 01' 33.5" (RT) D = 14' 19' 26.2" L = 97.92' T = 49.21' R = 400.00'
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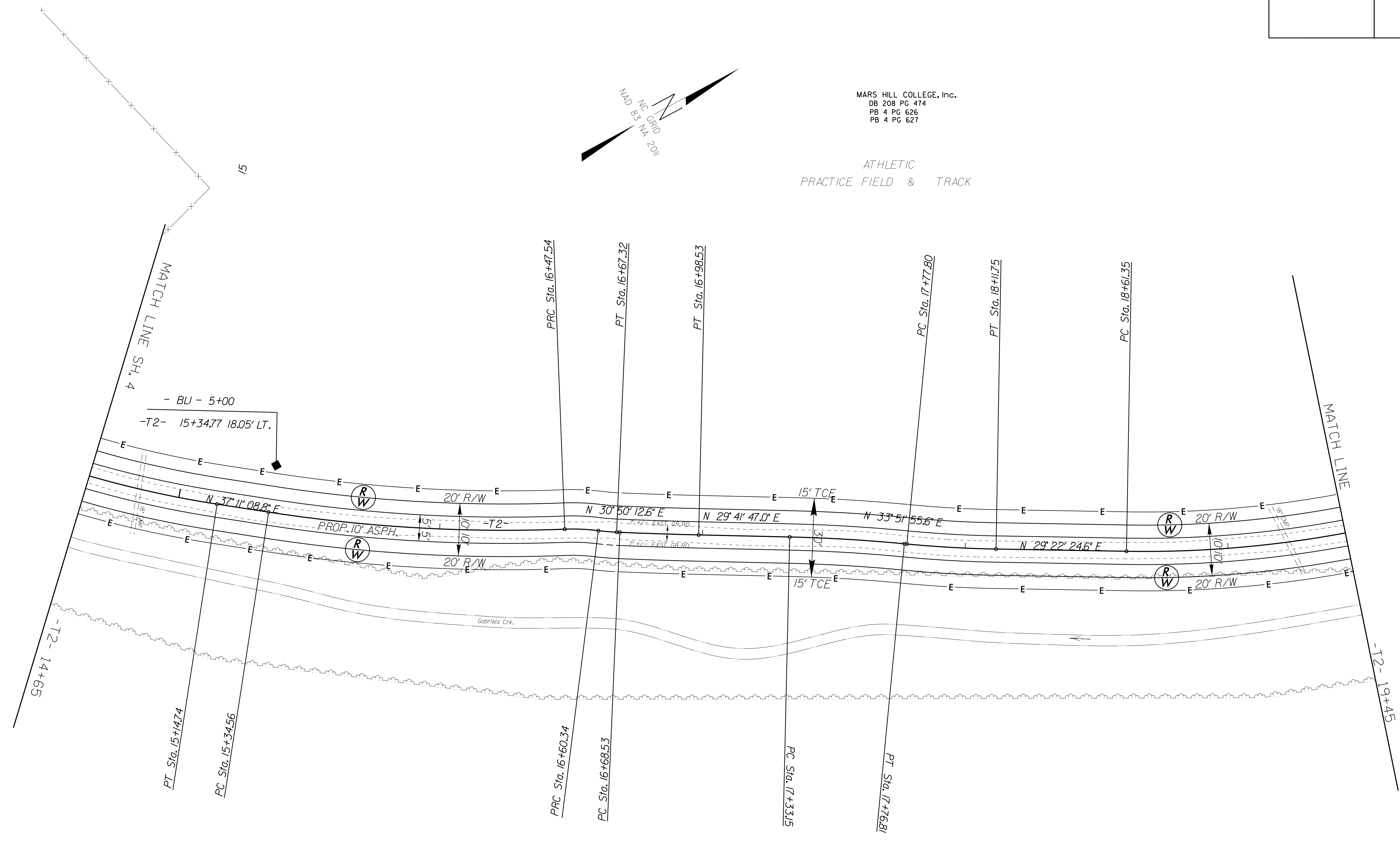
PROJECT REFERENCE NO. EB-5536	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



MARS HILL COLLEGE, Inc.
DB 208 PG 474
PB 4 PG 626
PB 4 PG 627

ATHLETIC
PRACTICE FIELD & TRACK



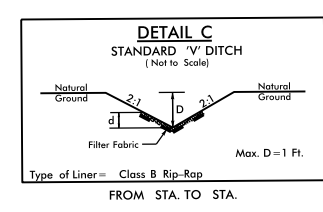
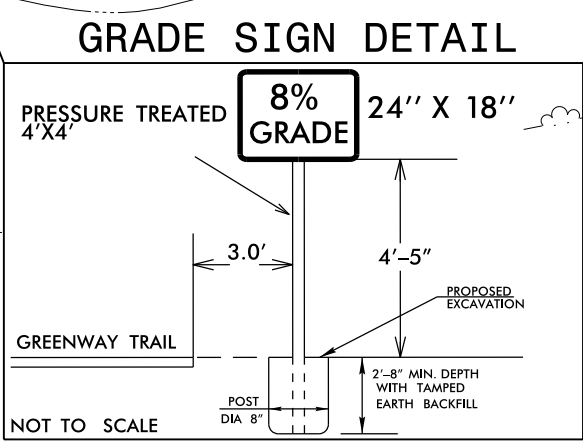
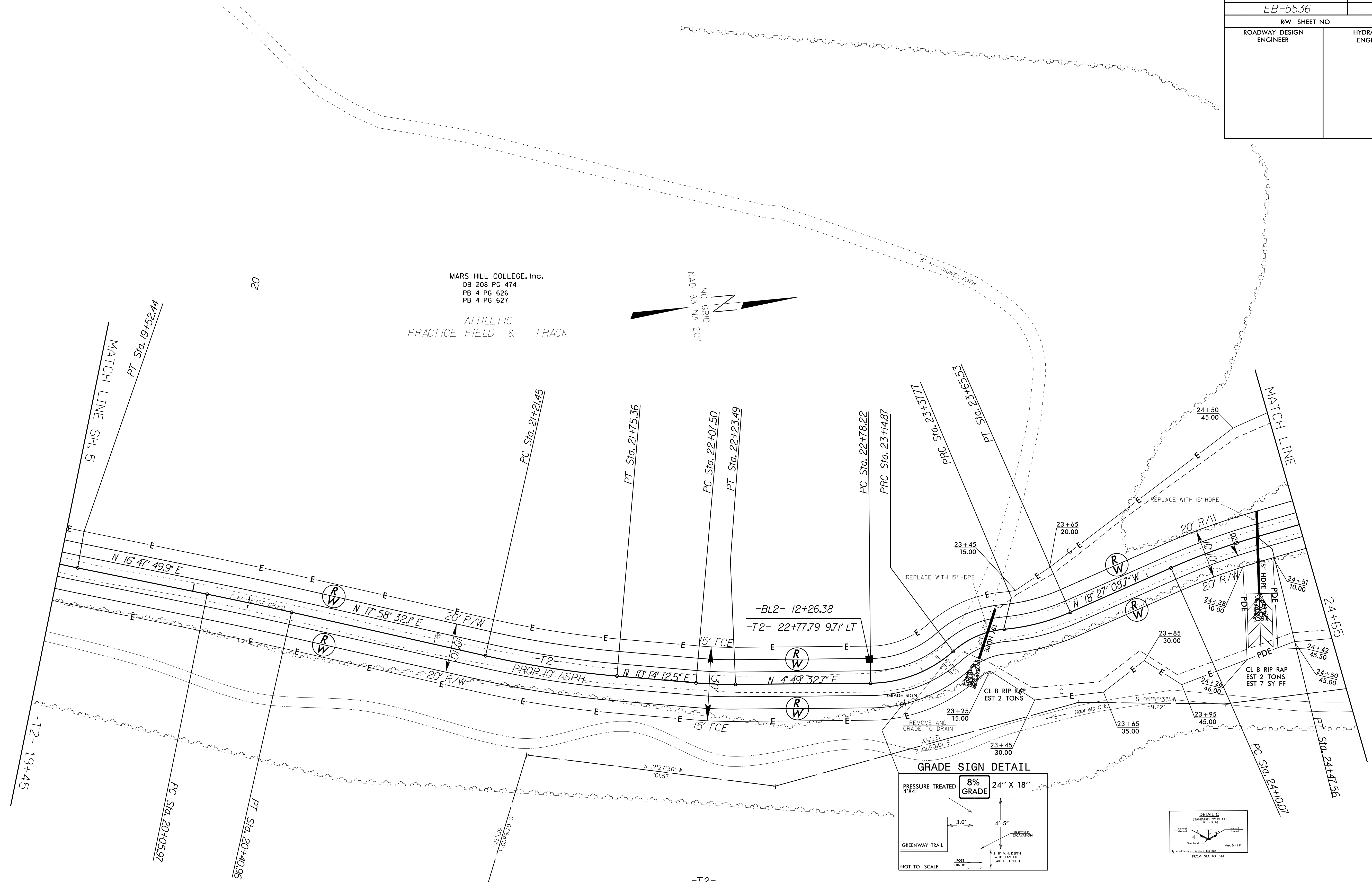
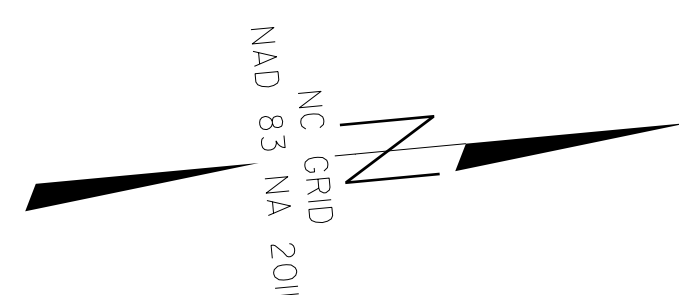
PI Sta. 14+87.60 Δ = 7° 59' 30.1" (LT) D = 14° 41' 48.1" L = 54.38' T = 27.23' R = 389.86'	PI Sta. 15+91.22 Δ = 10° 59' 18.3" (LT) D = 9° 43' 31.9" L = 112.99' T = 56.67' R = 589.13'	PI Sta. 16+53.96 Δ = 9° 24' 05.7" (RT) D = 7° 3' 27' 22.1" L = 12.80' T = 6.41' R = 78.00'	PI Sta. 16+63.83 Δ = 4° 45' 43.6" (LT) D = 68° 12' 54.7" L = 6.98' T = 3.49' R = 83.99'	PI Sta. 16+83.53 Δ = 1° 08' 25.6" (LT) D = 3° 48' 07.1" L = 30.00' T = 15.00' R = 1,507.00'	PI Sta. 17+54.99 Δ = 4° 10' 08.6" (RT) D = 9° 32' 57.5" L = 43.66' T = 21.84' R = 600.00'	PI Sta. 17+94.79 Δ = 4° 29' 31.0" (LT) D = 13° 13' 56.2" L = 33.95' T = 16.98' R = 433.00'	PI Sta. 19+07.08 Δ = 12° 34' 34.7" (LT) D = 13° 48' 22.4" L = 91.09' T = 45.73' R = 415.00'
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8/17/99

MARS HILL COLLEGE, Inc.
DB 208 PG 474
PB 4 PG 626
PB 4 PG 627

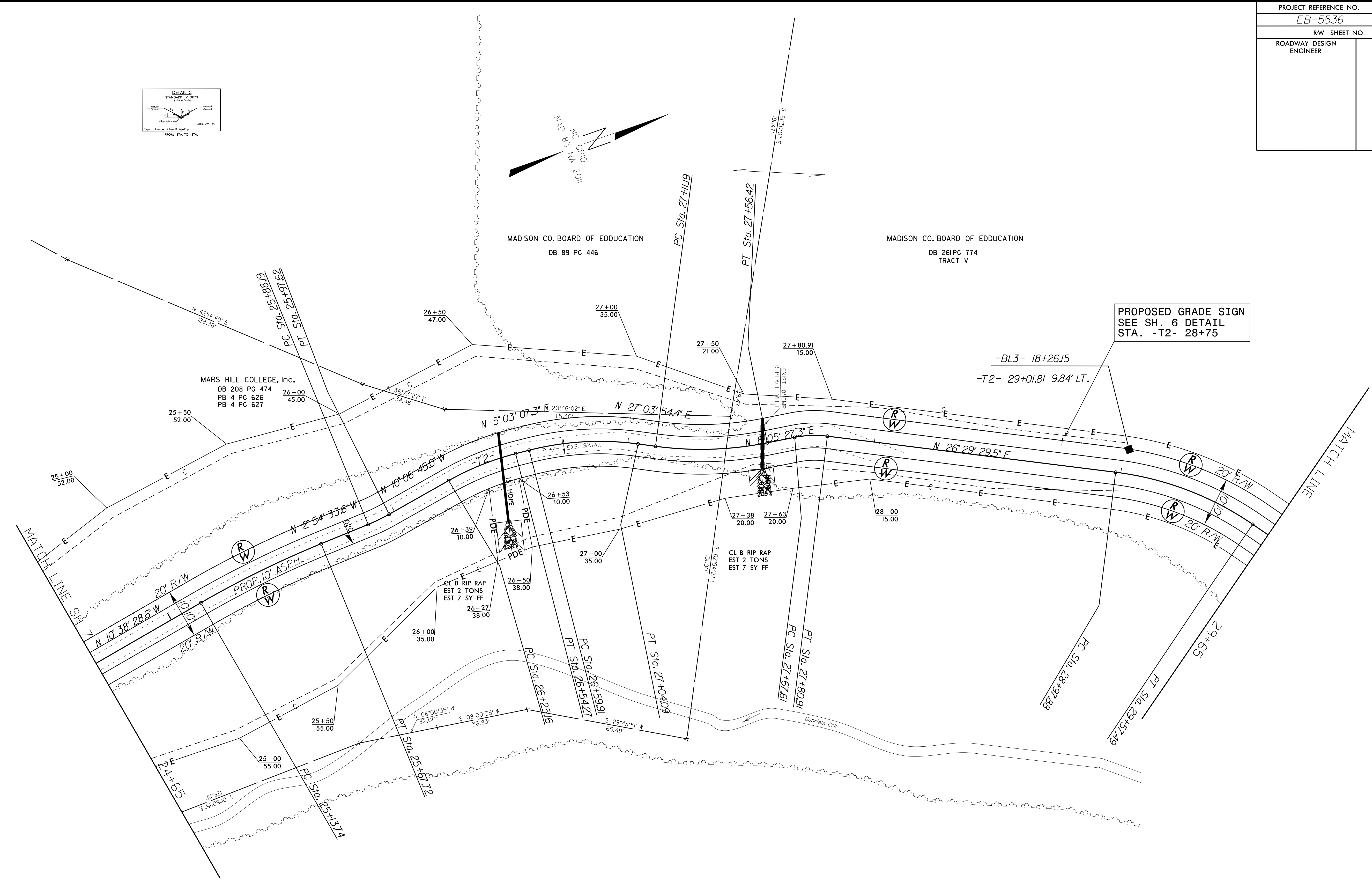
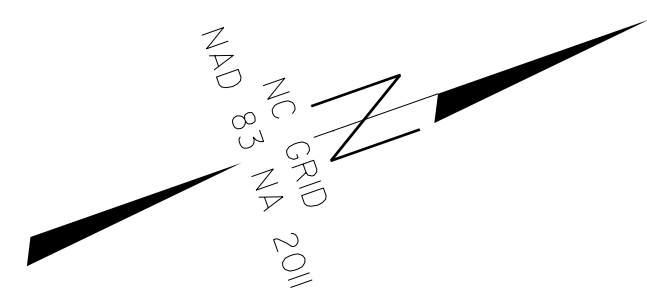
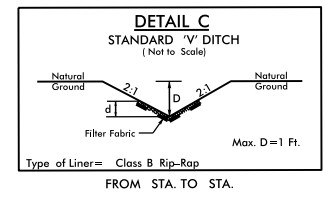
ATHLETIC PRACTICE FIELD & TRACK



PI Sta	Δ	D	L	T	R	PI Sta	Δ	D	L	T	R	PI Sta	Δ	D	L	T	R
20+23.47	1° 10' 42.2" (RT)	3' 22' 06.1"	34.98'	17.49'	1,701.00'	21+48.45	7° 44' 19.6" (LT)	14' 21' 11.5"	53.92'	27.00'	399.18'	22+15.50	5° 24' 39.9" (LT)	33' 50' 40.6"	15.99'	8.00'	169.29'
22+97.37	4° 10' 16.2" (LT)	112' 20' 40.8"	36.65'	19.15'	51.00'	23+26.72	36° 36' 32.8" (RT)	159' 51' 21.9"	22.90'	11.86'	35.84'	23+51.78	18° 42' 58.0" (LT)	67' 24' 24.5"	27.77'	14.01'	85.00'
24+28.85	7° 48' 40.1" (RT)	20' 50' 05.4"	37.49'	18.77'	275.00'												

29-MAR-2015 2:03:33 PM
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PROJECT REFERENCE NO. EB-5536	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PROPOSED GRADE SIGN
SEE SH. 6 DETAIL
STA. -T2- 28+75

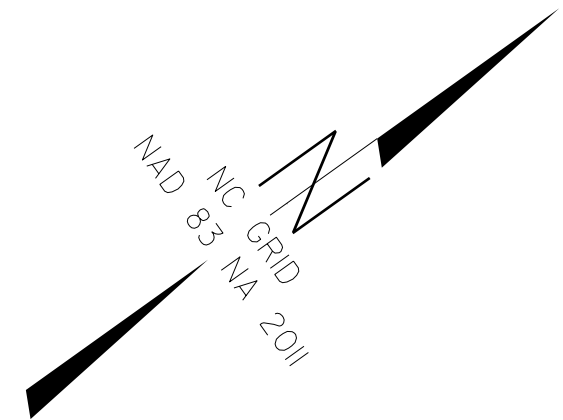
-BL3- 18+26.15
-T2- 29+01.81 9.84' LT.

-T2-

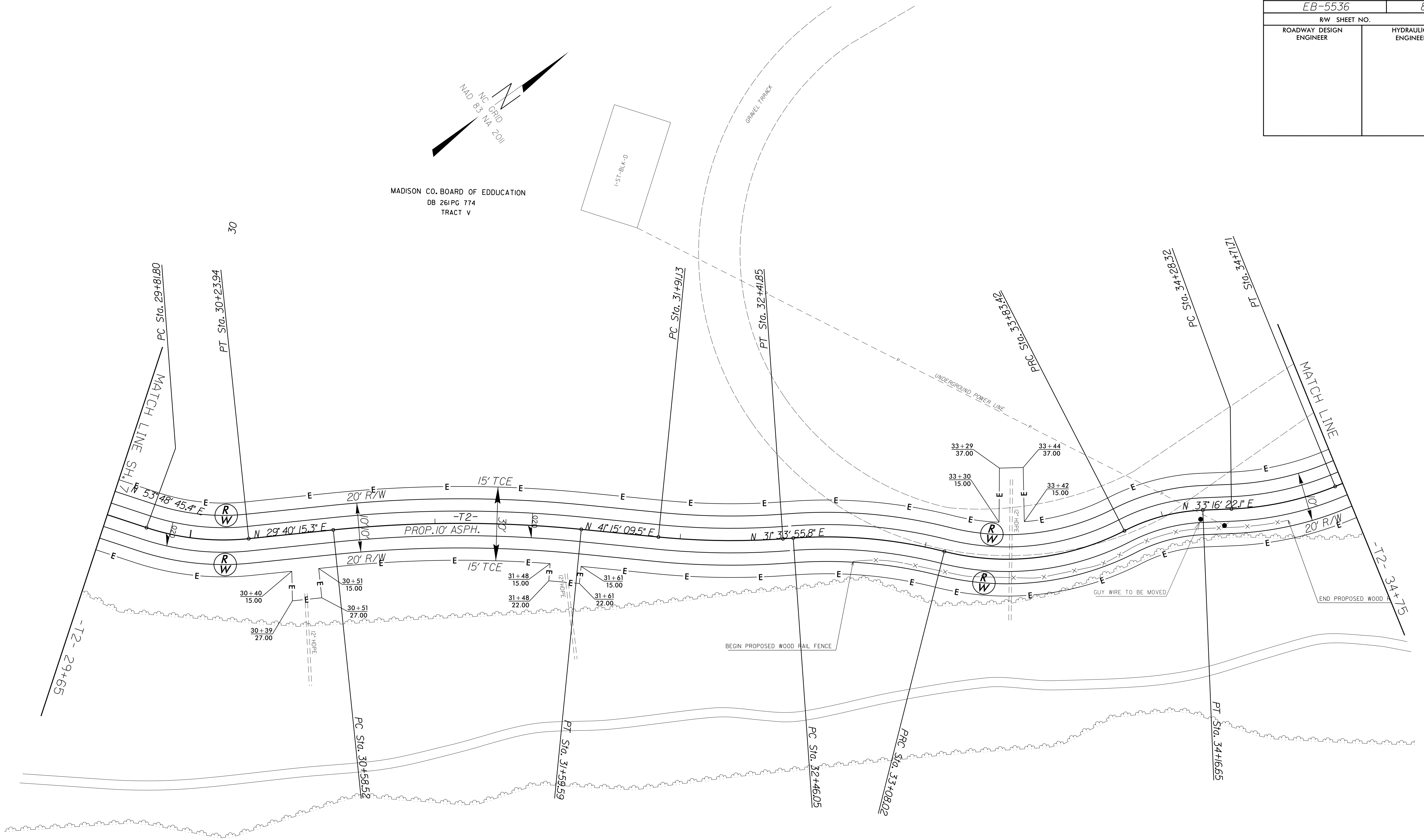
PI Sta. 25+40.77 Δ = 7° 43' 55.0" (RT) D = 14' 19' 26.2" L = 53.98' T = 27.03' R = 400.00'	PI Sta. 25+92.91 Δ = 7° 12' 11.4" (LT) D = 76' 23' 39.7" L = 9.43' T = 4.72' R = 75.00'	PI Sta. 26+39.80 Δ = 15° 09' 52.3" (RT) D = 52' 05' 13.5" L = 29.11' T = 14.64' R = 110.00'	PI Sta. 26+82.28 Δ = 22° 00' 47.1" (RT) D = 49' 49' 20.7" L = 44.18' T = 22.37' R = 115.00'	PI Sta. 27+34.01 Δ = 18° 58' 27.2" (LT) D = 41' 56' 53.8" L = 45.23' T = 22.83' R = 136.59'	PI Sta. 27+74.32 Δ = 18° 24' 02.3" (RT) D = 138' 20' 55.7" L = 13.30' T = 6.71' R = 41.41'	PI Sta. 29+28.26 Δ = 27° 19' 15.8" (RT) D = 45' 50' 11.8" L = 59.61' T = 30.38' R = 125.00'
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PROJECT REFERENCE NO.	SHEET NO.
EB-5536	8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MADISON CO. BOARD OF EDUCATION
DB 26 PG 774
TRACT V



-T2-

PI Sta 30+03.19 Δ = 24° 08' 30.1" (LT) D = 57' 17" 44.8" L = 42.14' T = 21.38' R = 100.00'	PI Sta 31+09.22 Δ = 11° 34' 54.2" (RT) D = 11' 27" 33.0" L = 101.07' T = 50.71' R = 500.00'	PI Sta 32+16.55 Δ = 9° 41' 13.7" (LT) D = 19° 05' 54.9" L = 50.72' T = 25.42' R = 300.00'	PI Sta 32+77.30 Δ = 18° 10' 05.8" (RT) D = 29° 18' 51.8" L = 61.98' T = 31.25' R = 195.45'	PI Sta 33+47.45 Δ = 41° 22' 56.4" (LT) D = 54° 53' 07.0" L = 75.40' T = 39.43' R = 104.39'	PI Sta 34+00.30 Δ = 24° 55' 17.0" (RT) D = 74° 59' 47.2" L = 33.23' T = 16.88' R = 76.40'	PI Sta 34+50.24 Δ = 19° 53' 24.2" (LT) D = 45° 50' 11.8" L = 43.39' T = 21.92' R = 125.00'
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8/17/99

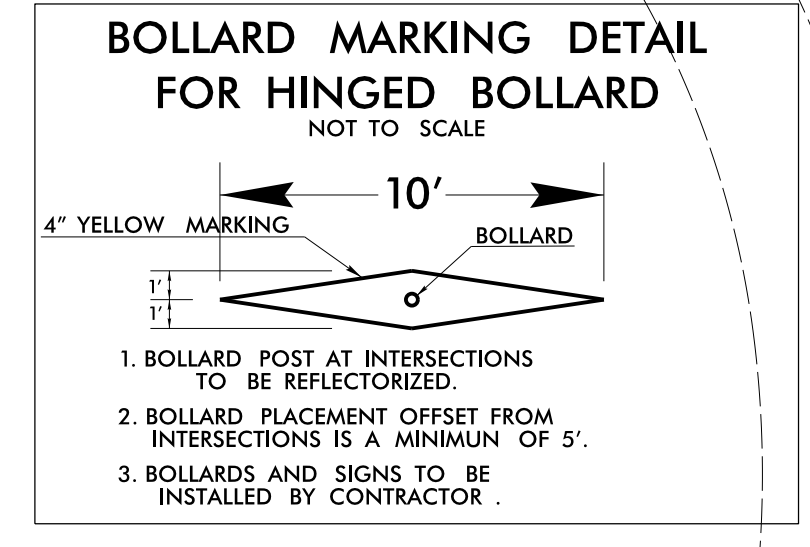
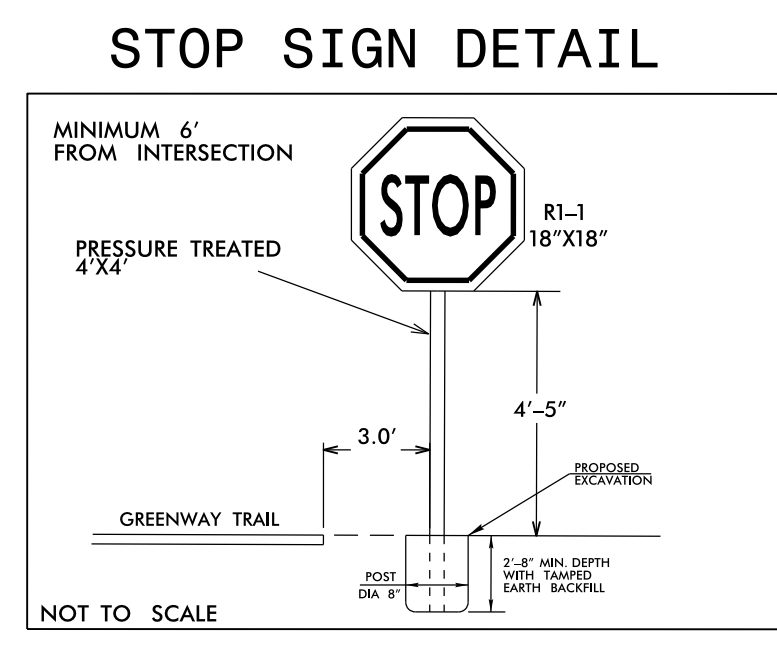
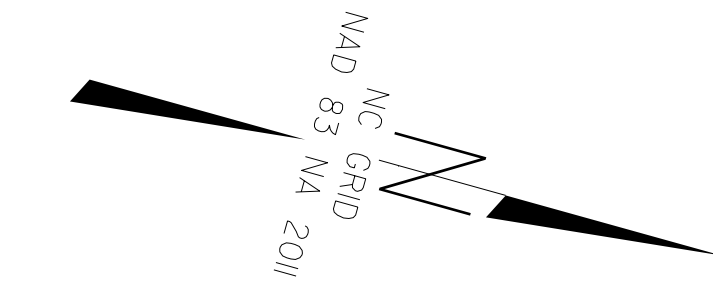
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5536.dwg

-T2-

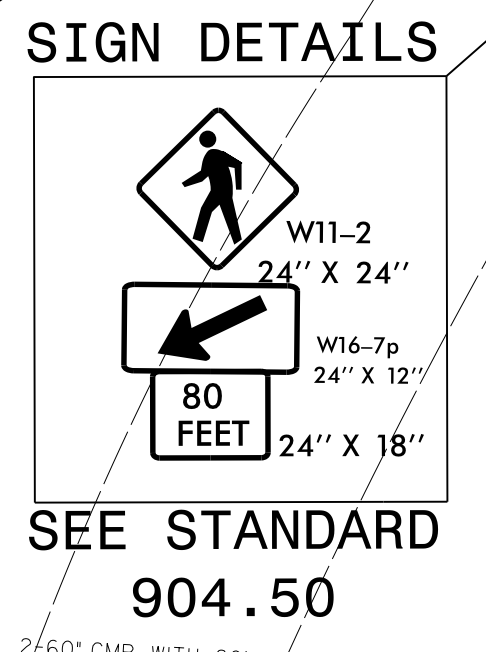
PI Sta 35+66.26 Δ = 16° 17' 38.5" (LT) D = 22° 55' 05.9" L = 71.0' T = 35.79' R = 250.00'	PI Sta 36+88.06 Δ = 6° 02' 47.1" (LT) D = 14° 19' 26.2" L = 42.21' T = 21.13' R = 400.00'	PI Sta 37+31.27 Δ = 2° 49' 30.0" (LT) D = 22° 55' 05.9" L = 12.33' T = 6.16' R = 250.00'	PI Sta 37+69.97 Δ = 8° 15' 56.3" (LT) D = 22° 55' 05.9" L = 36.07' T = 18.06' R = 250.00'	PI Sta 38+08.07 Δ = 18° 48' 54.2" (LT) D = 57° 17' 44.8" L = 32.84' T = 16.57' R = 100.00'	PI Sta 38+43.37 Δ = 28° 25' 02.7" (LT) D = 82° 53' 57.5" L = 34.28' T = 17.50' R = 69.11'	PI Sta 39+58.00 Δ = 43° 21' 00.9" (RT) D = 81° 51' 04.0" L = 52.96' T = 27.82' R = 70.00'
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ATHLETIC
FIELD & TRACK

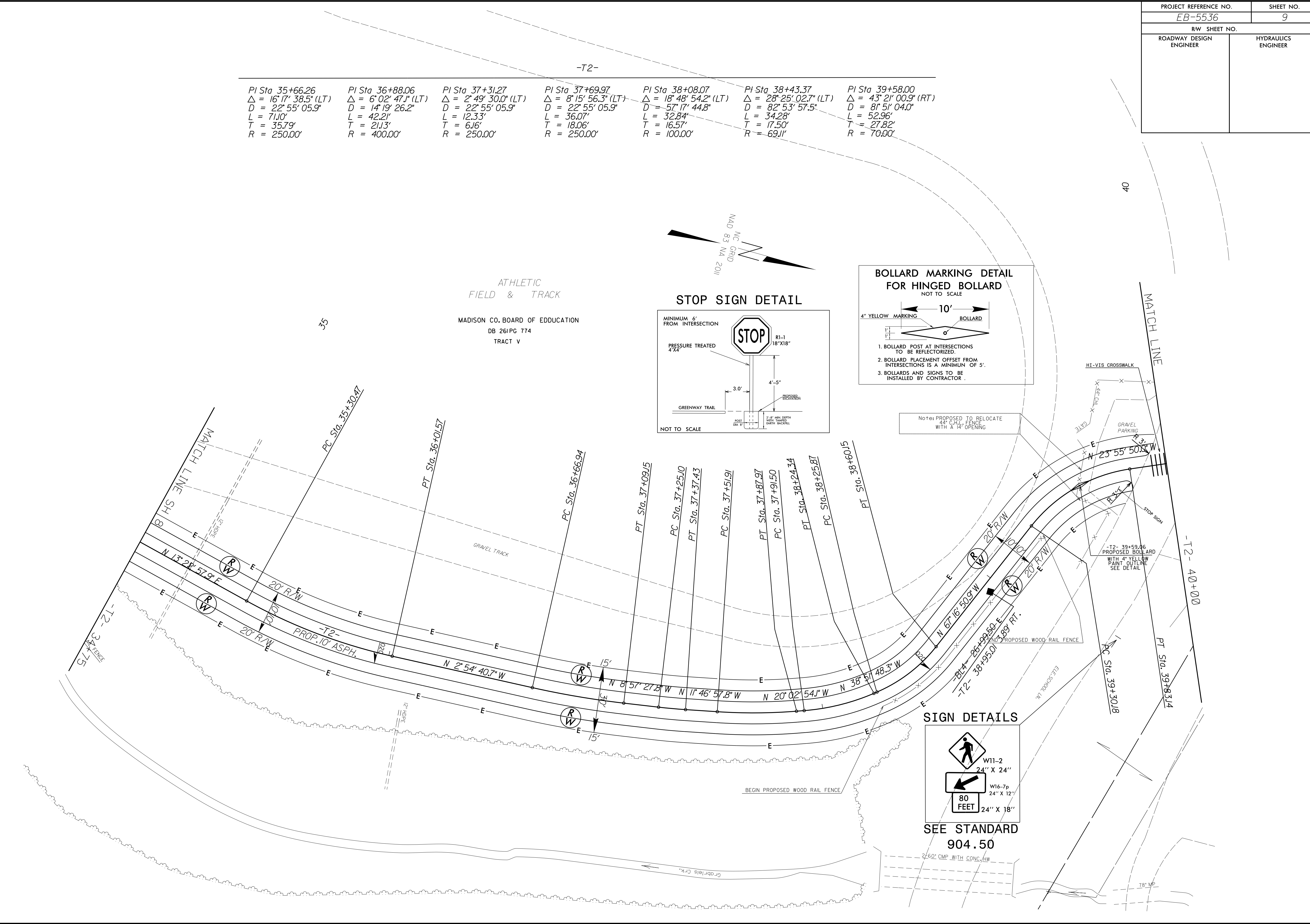
MADISON CO. BOARD OF EDUCATION
DB 261 PG 774
TRACT V



Note: PROPOSED TO RELOCATE 24" CH. FENCE WITH A 14' OPENING

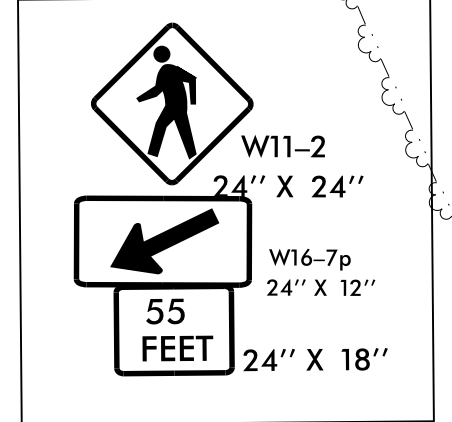


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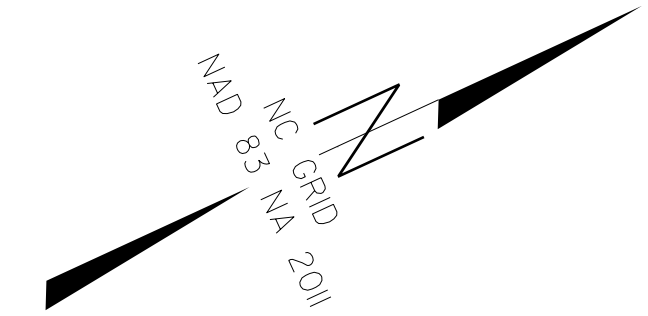


PROJECT REFERENCE NO.	SHEET NO.
EB-5536	10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SEE STANDARD
904.50
SIGN DETAILS

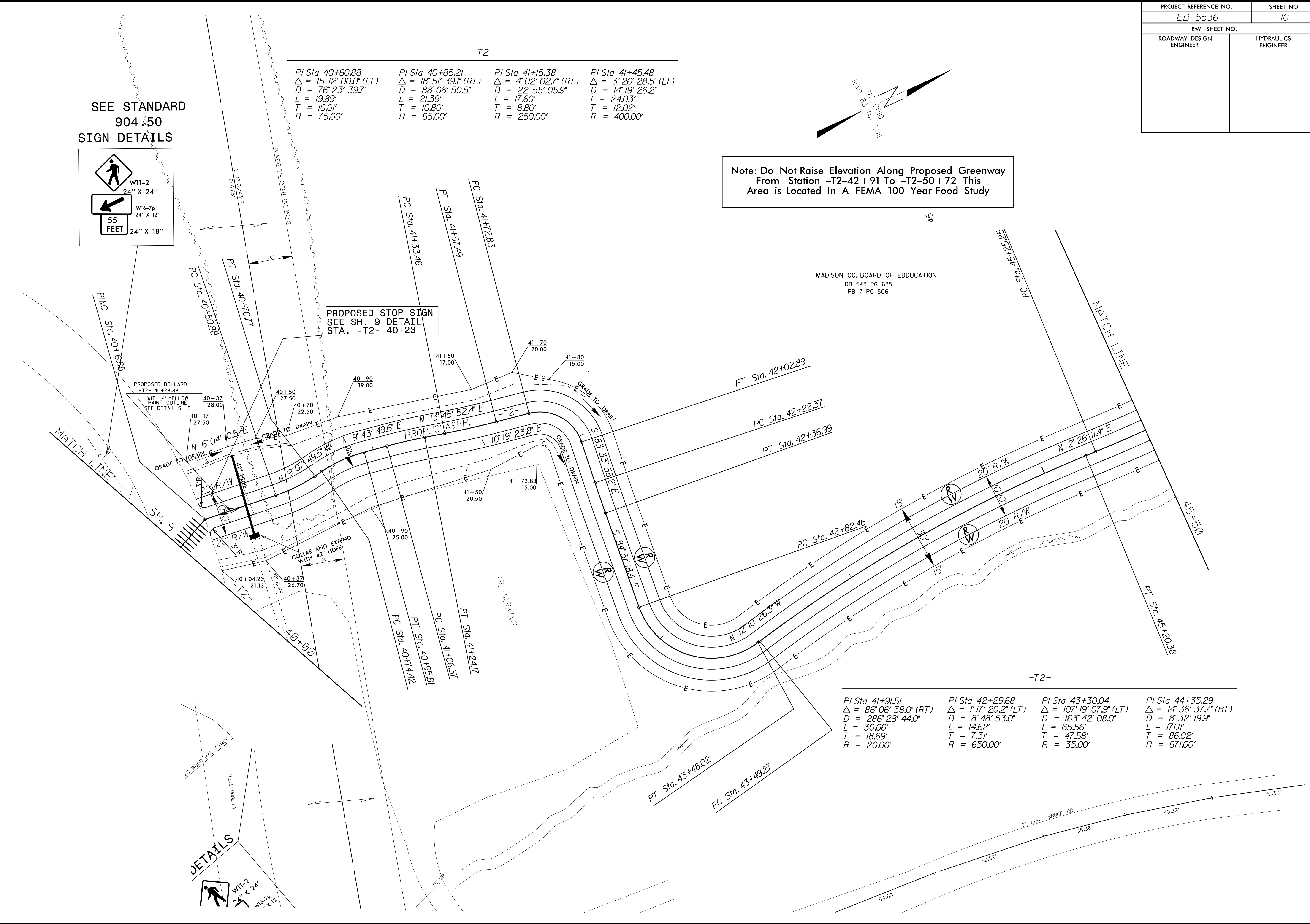


PI Sta 40+60.88 $\Delta = 15^{\circ}12'00.0''$ (LT) D = 76' 23' 39.7" L = 19.89' T = 10.0' R = 75.00'	PI Sta 40+85.21 $\Delta = 18^{\circ}51'39.1''$ (RT) D = 88' 08' 50.5" L = 21.39' T = 10.80' R = 65.00'	PI Sta 41+15.38 $\Delta = 4^{\circ}02'02.7''$ (RT) D = 22' 55' 05.9" L = 17.60' T = 8.80' R = 250.00'	PI Sta 41+45.48 $\Delta = 3^{\circ}26'28.5''$ (LT) D = 14' 19' 26.2" L = 24.03' T = 12.02' R = 400.00'
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Note: Do Not Raise Elevation Along Proposed Greenway From Station -T2-42+91 To -T2-50+72 This Area is Located In A FEMA 100 Year Food Study

MADISON CO. BOARD OF EDUCATION
DB 543 PG 635
PB 7 PG 506



PI Sta 41+91.51 $\Delta = 86^{\circ}06'38.0''$ (RT) D = 286' 28' 44.0" L = 30.06' T = 18.69' R = 20.00'	PI Sta 42+29.68 $\Delta = 1^{\circ}17'20.2''$ (LT) D = 8' 48' 53.0" L = 14.62' T = 7.31' R = 650.00'	PI Sta 43+30.04 $\Delta = 107^{\circ}19'07.9''$ (LT) D = 163' 42' 08.0" L = 65.56' T = 47.58' R = 35.00'	PI Sta 44+35.29 $\Delta = 14^{\circ}36'37.7''$ (RT) D = 8' 32' 19.9" L = 17.11' T = 86.02' R = 671.00'
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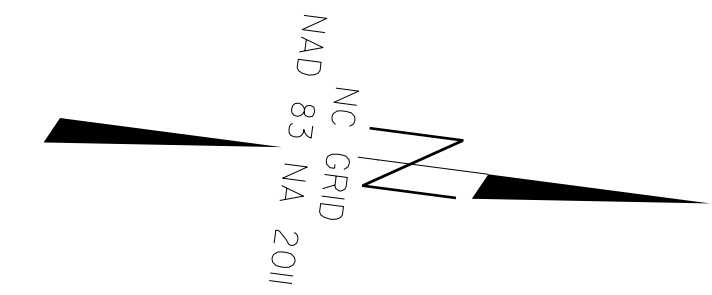
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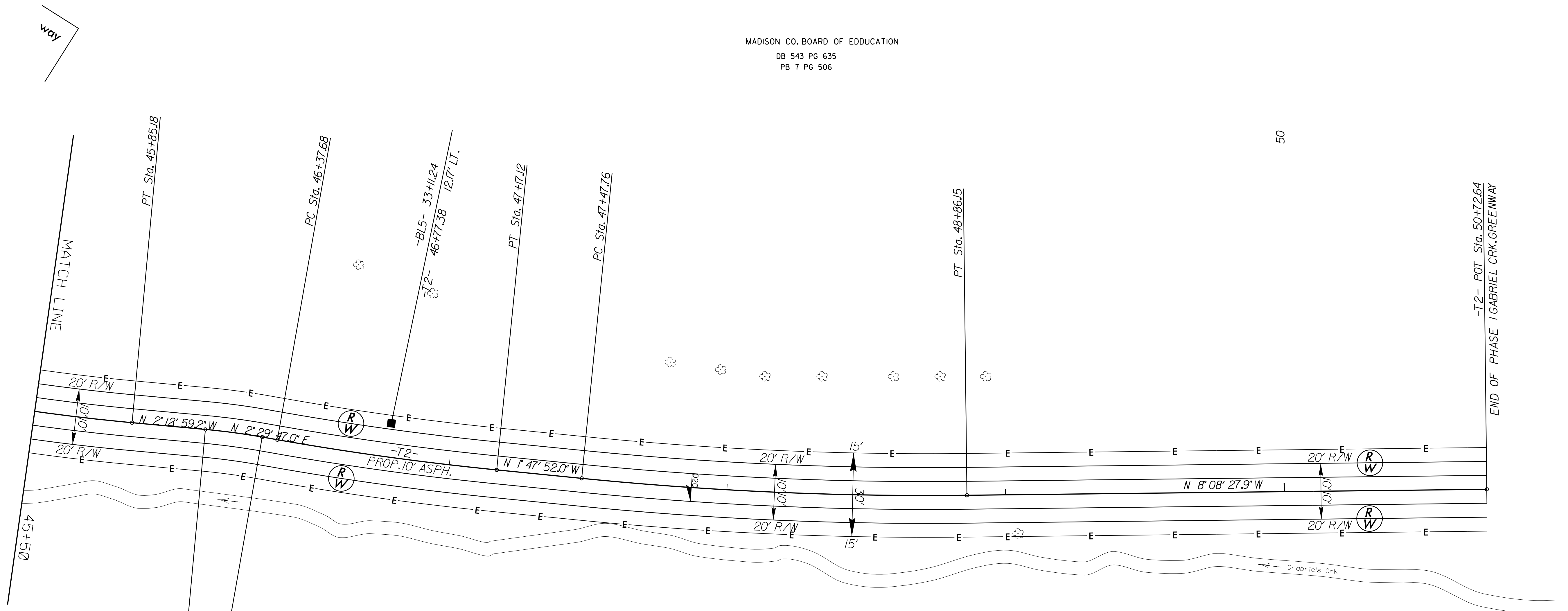
PROJECT REFERENCE NO.	SHEET NO.
EB-5536	11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



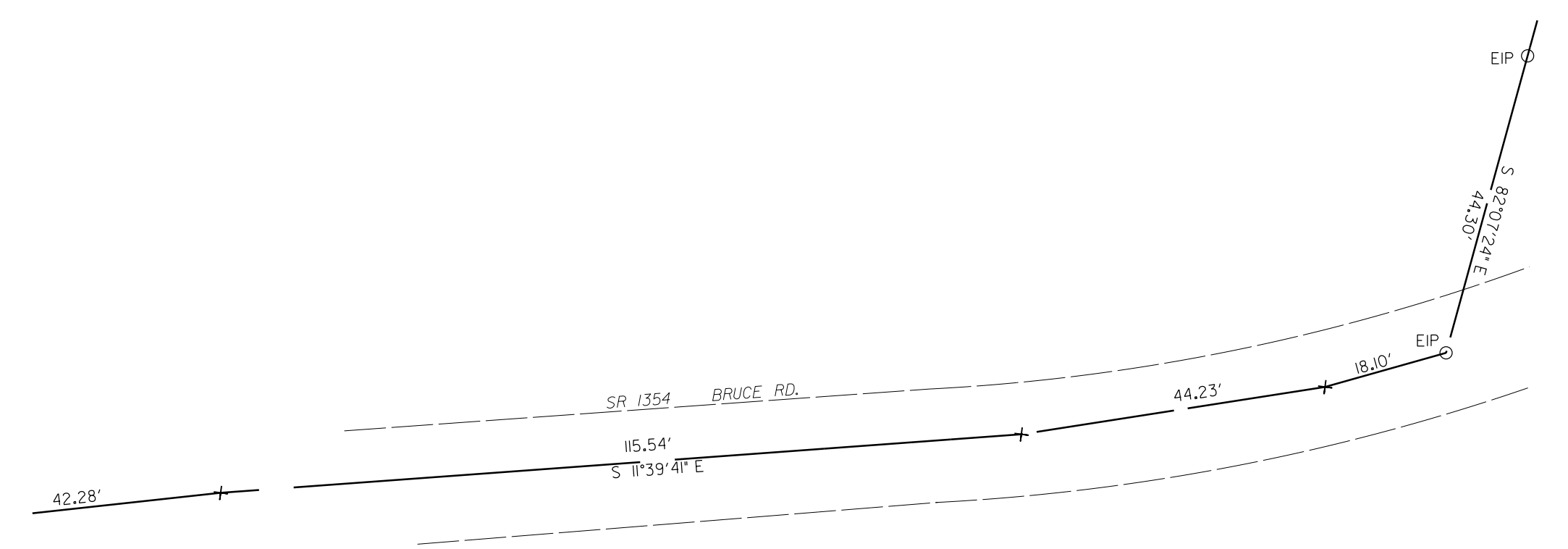
MADISON CO. BOARD OF EDUCATION
DB 543 PG 635
PB 7 PG 506

50



-T2-

PI Sta 45+55.23 Δ = 4° 39' 10.6" (LT) D = 7° 45' 49.2" L = 59.93' T = 29.98' R = 738.00'	PI Sta 46+21.87 Δ = 4° 42' 46.2" (RT) D = 22° 55' 05.9" L = 20.57' T = 10.29' R = 250.00'	PI Sta 46+77.42 Δ = 4° 17' 39.0" (LT) D = 5° 24' 18.9" L = 79.44' T = 39.74' R = 1,060.00'	PI Sta 48+17.02 Δ = 6° 20' 35.9" (LT) D = 4° 35' 01.2" L = 138.39' T = 69.27' R = 1,250.00'
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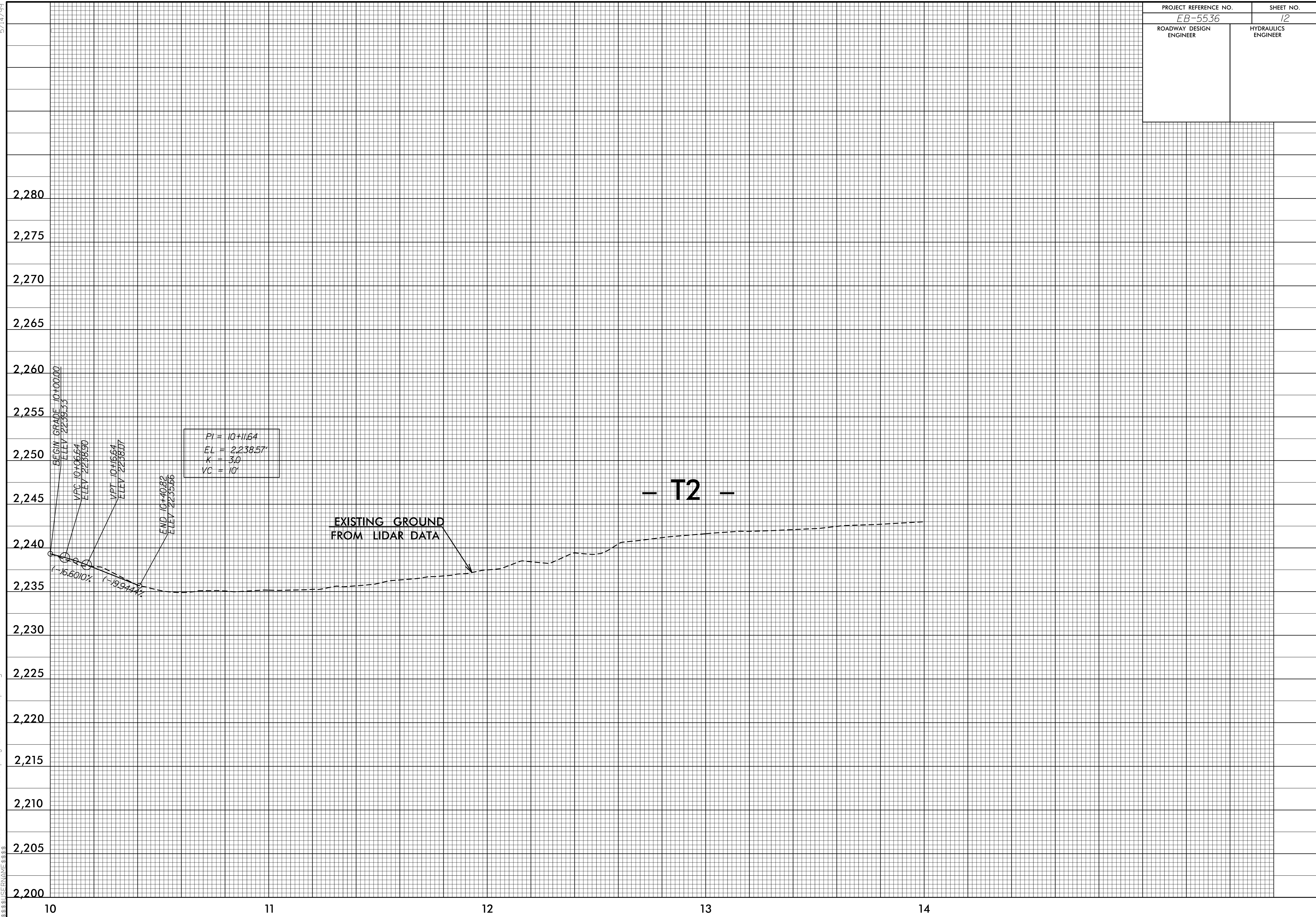


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PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>12</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/14/99

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PI = 10+11.64
 EL = 2238.57'
 K = 3.0
 VC = 10'

EXISTING GROUND
 FROM LIDAR DATA

- T2 -

10

11

12

13

14

2,200

2,205

2,210

2,215

2,220

2,225

2,230

2,235

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2,250

2,255

2,260

2,265

2,270

2,275

2,280

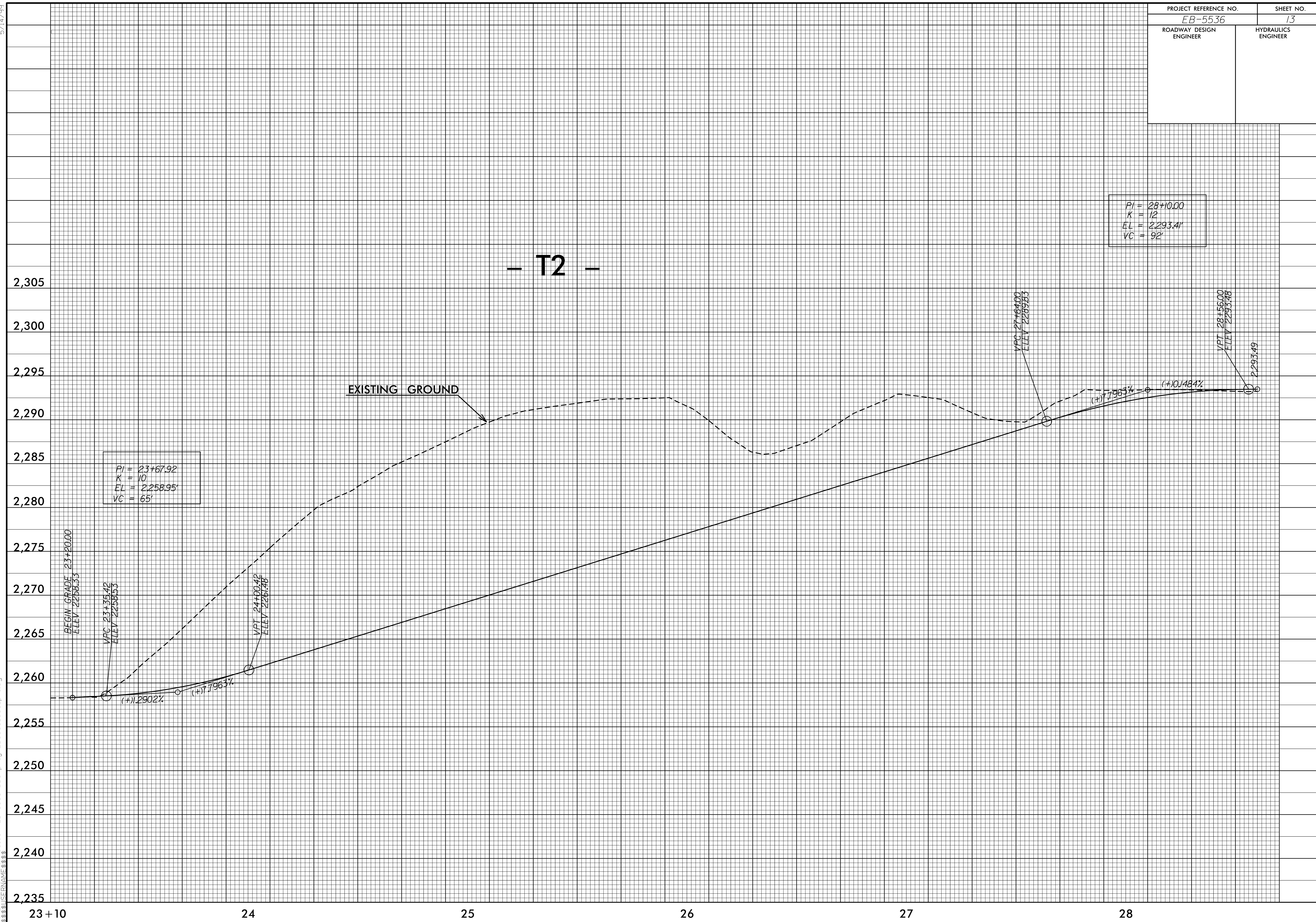
PROJECT REFERENCE NO. EB-5536	SHEET NO. 13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/14/99

- T2 -

PI = 28+10.00
K = 12
EL = 2,293.41'
VC = 92'

PI = 23+67.92
K = 10
EL = 2,258.95'
VC = 65'

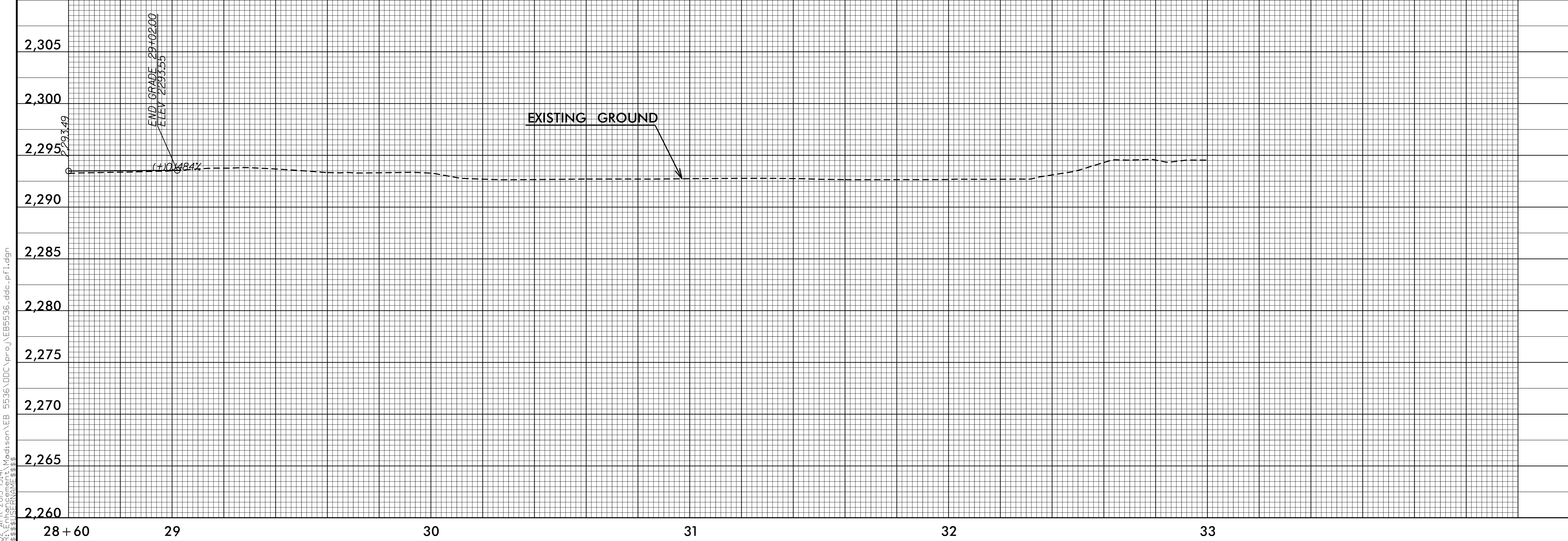


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PROJECT REFERENCE NO. EB-5536	SHEET NO. 14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/14/99

- T2 -



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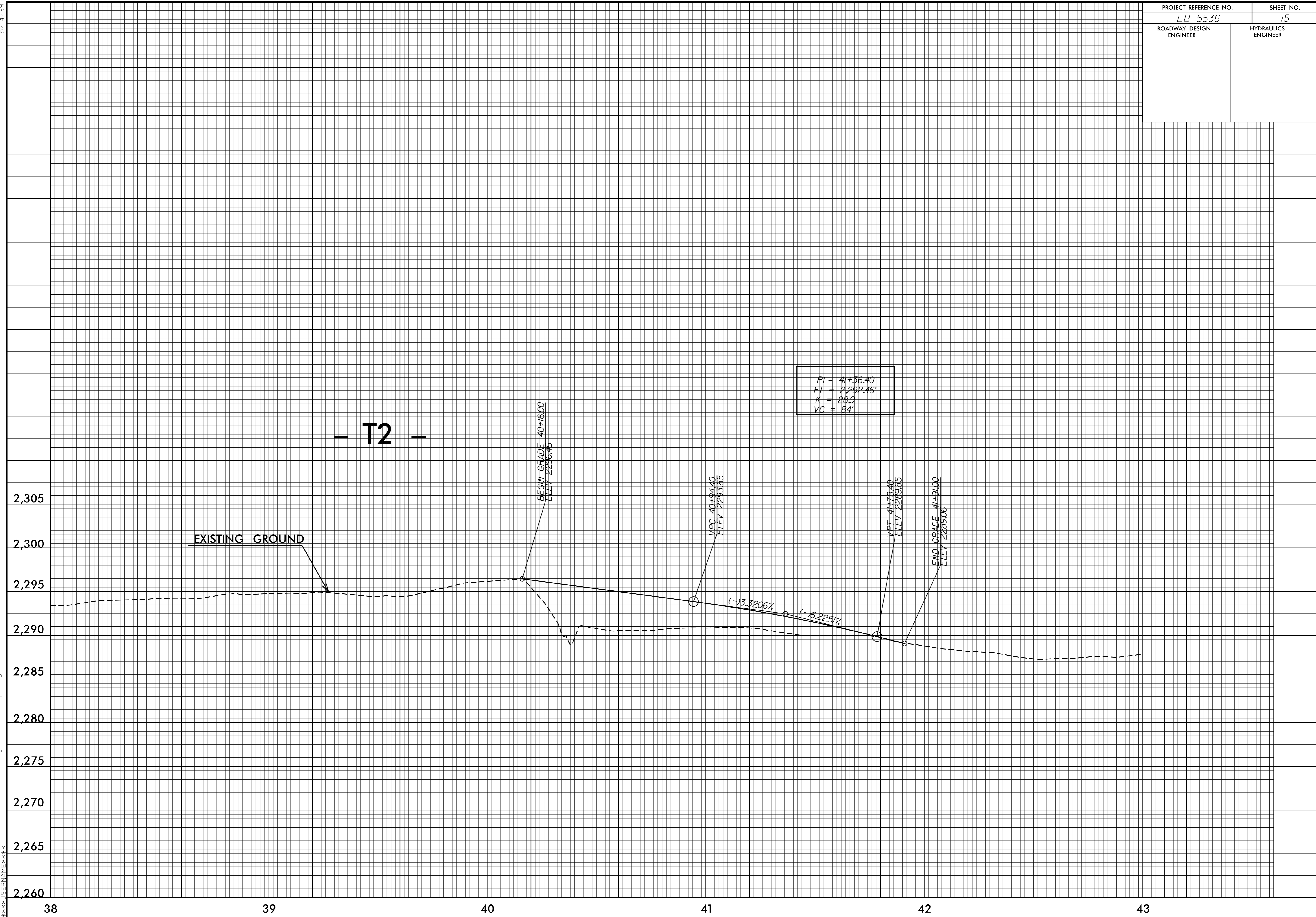
PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>15</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/14/99

- T2 -

PI = 41+36.40
 EL = 2,292.46'
 K = 28.9
 VC = 84'

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38

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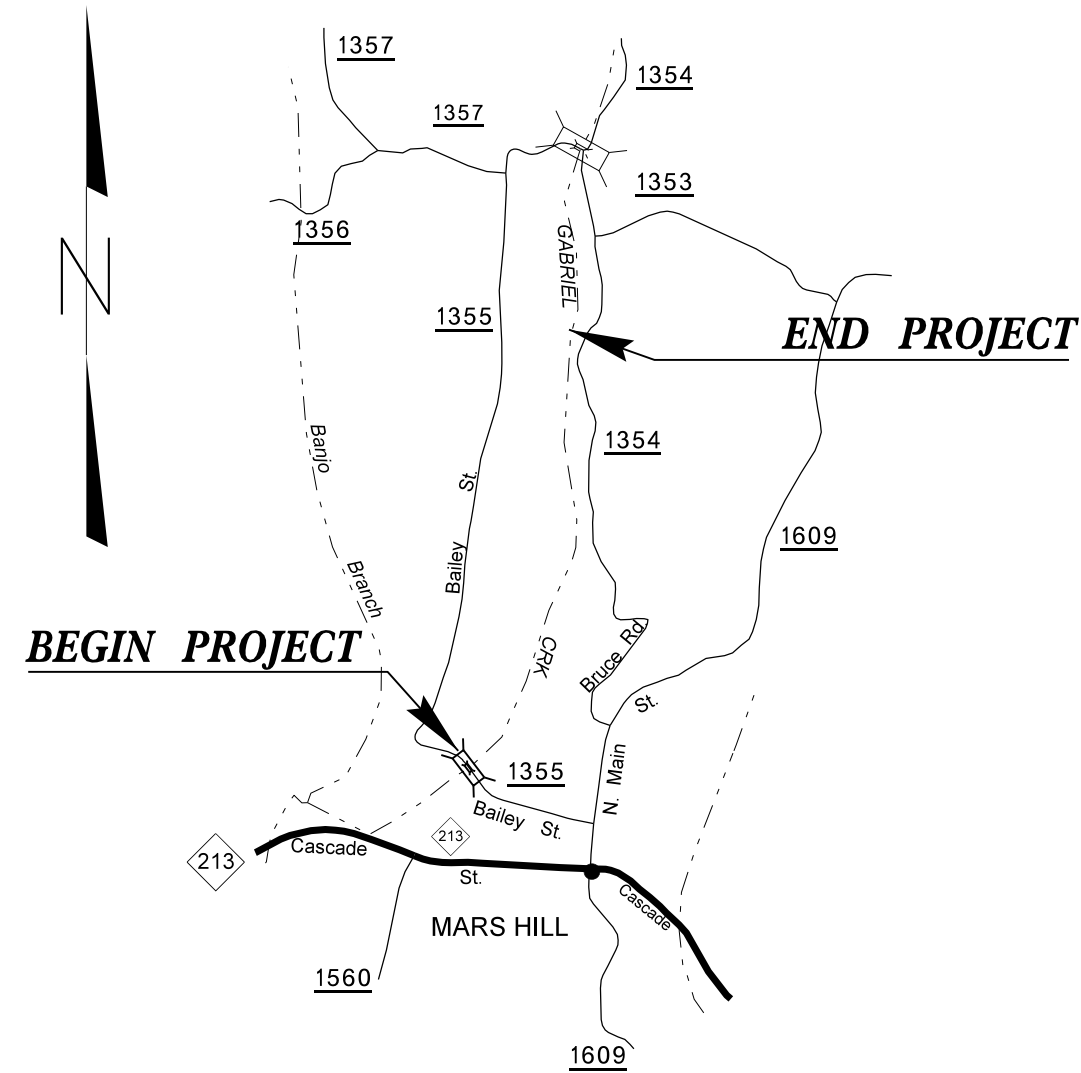
41

42

43

TIP PROJECT: EB-5536

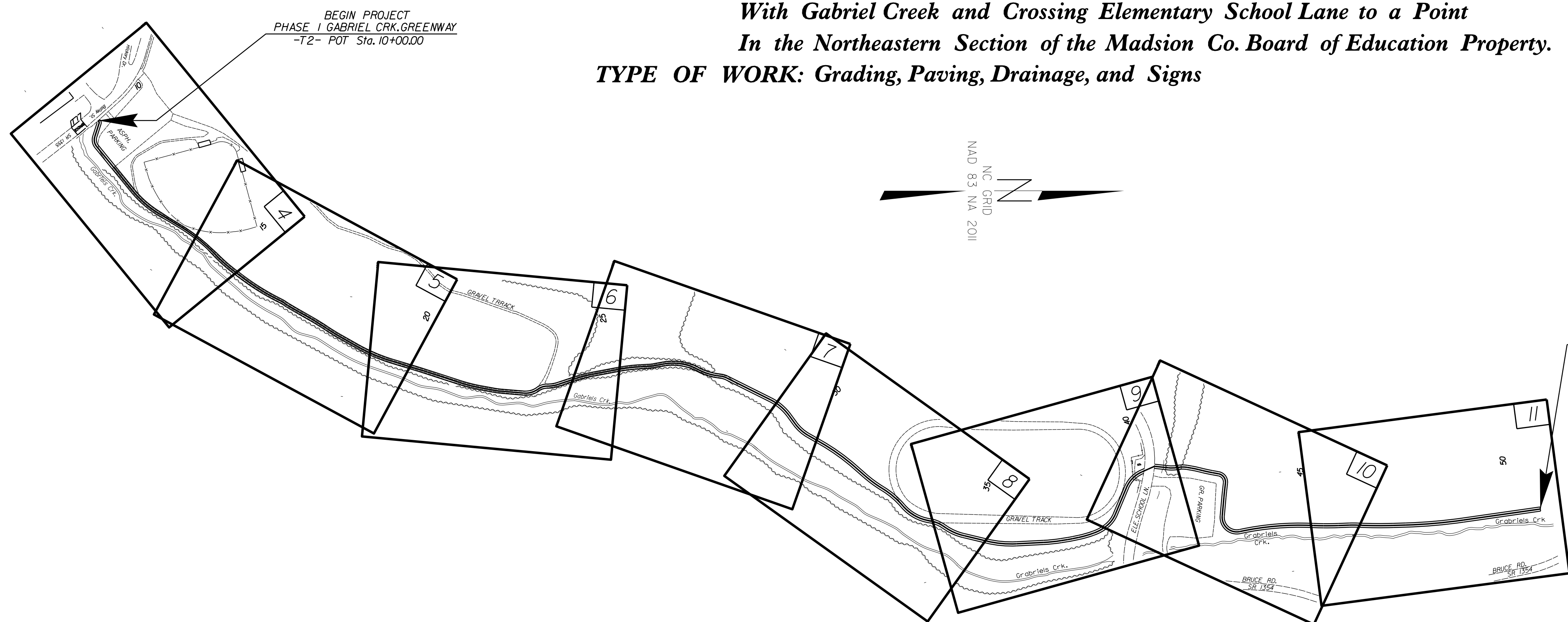
See Sheet 1-A For Index of Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
MADISON COUNTY

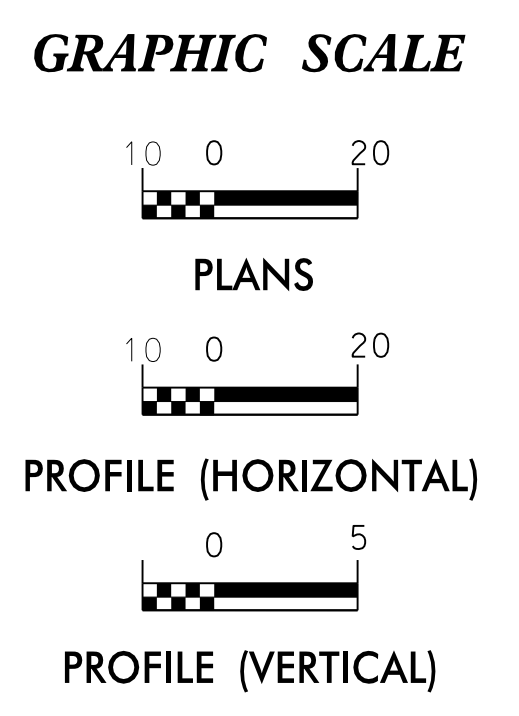
LOCATION: Mars Hill From Bailey Street in a Northern Direction and parallel
 With Gabriel Creek and Crossing Elementary School Lane to a Point
 In the Northeastern Section of the Madison Co. Board of Education Property.
TYPE OF WORK: Grading, Paving, Drainage, and Signs



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	EB-5536	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50051.1.FD1	STPEB-1318(14)	PE	
50051.3.FD1	STPEB-1318(14)	CONST.	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	△△△△△
1622.01	Temporary Berms and Slope Drains	— T —
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▨
1633.02	Temporary Rock Silt Check Type-B	▨
	Wattle/Coir Fiber Wattle	— W —
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	— W —
1634.01	Temporary Rock Sediment Dam Type-A	▨
1634.02	Temporary Rock Sediment Dam Type-B	▨
1635.01	Rock Pipe Inlet Sediment Trap Type-A	⊓
1635.02	Rock Pipe Inlet Sediment Trap Type-B	⊓
1630.04	Stilling Basin	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
 WITH THE REGULATIONS SET FORTH BY THE
 NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
 NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
Division 13, DDC
 55 ORANGE ST.
 ASHEVILLE, NC 28801

2012 STANDARD SPECIFICATIONS

Designed by:

NAME _____ LEVEL III CERTIFICATION NO. _____

Roadway Standard Drawings

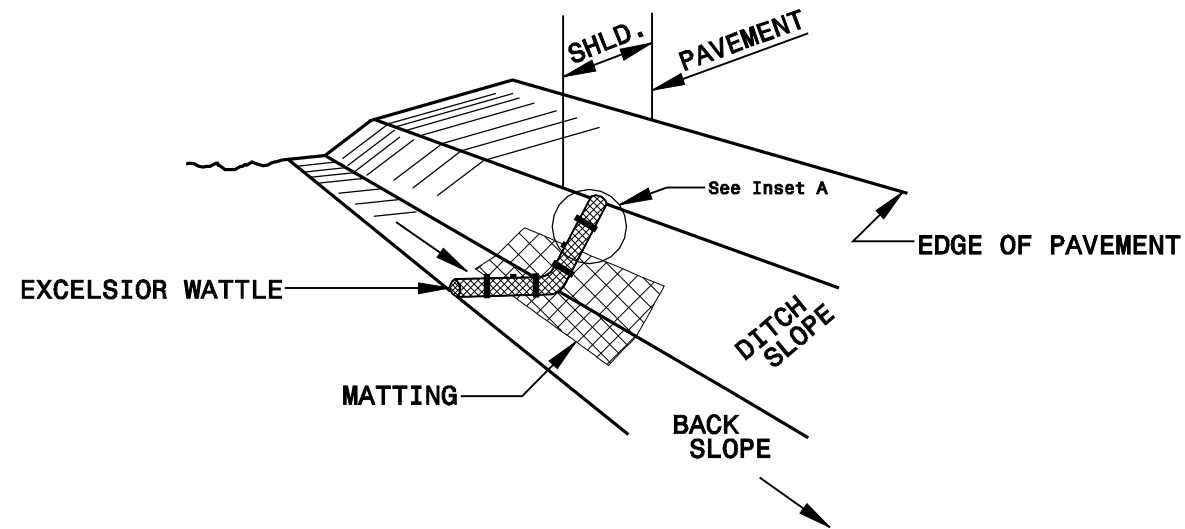
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

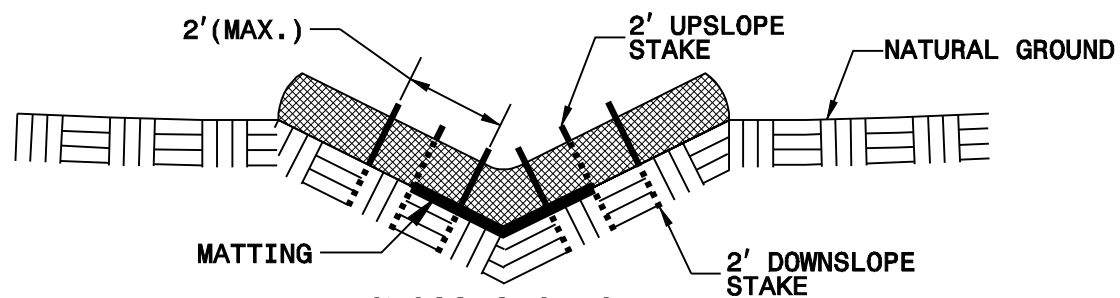
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PROJECT REFERENCE NO. EB-5536	SHEET NO. EC-2
RWY SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

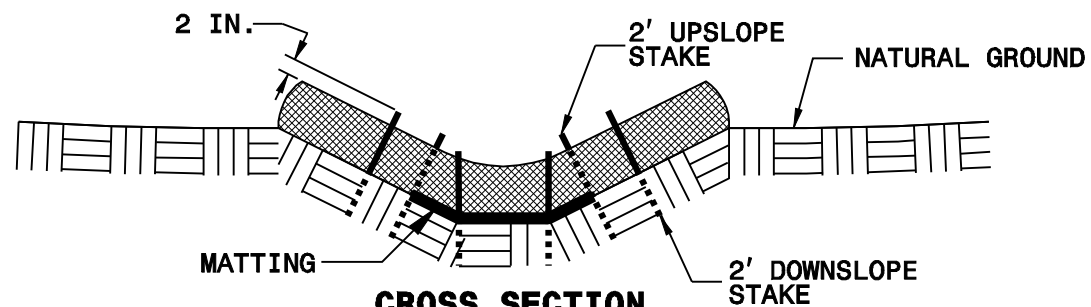
WATTLE DETAIL



ISOMETRIC VIEW



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

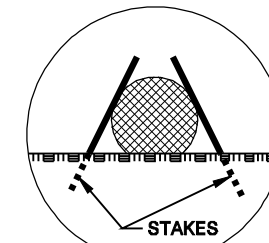
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

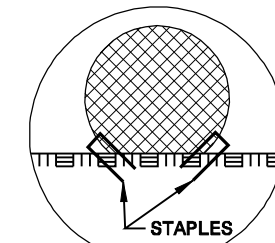
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

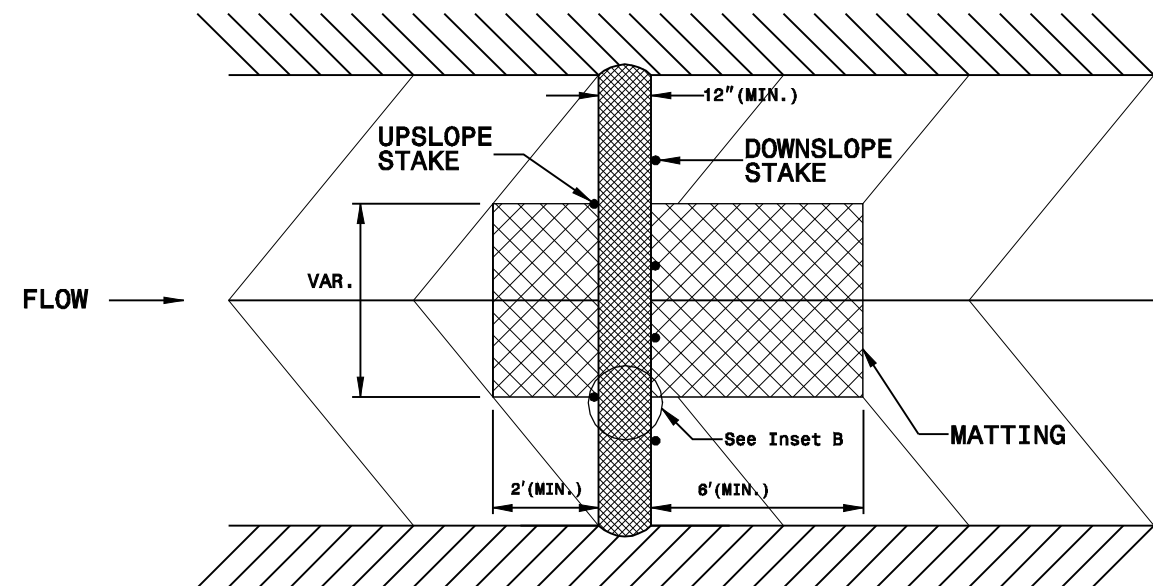
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

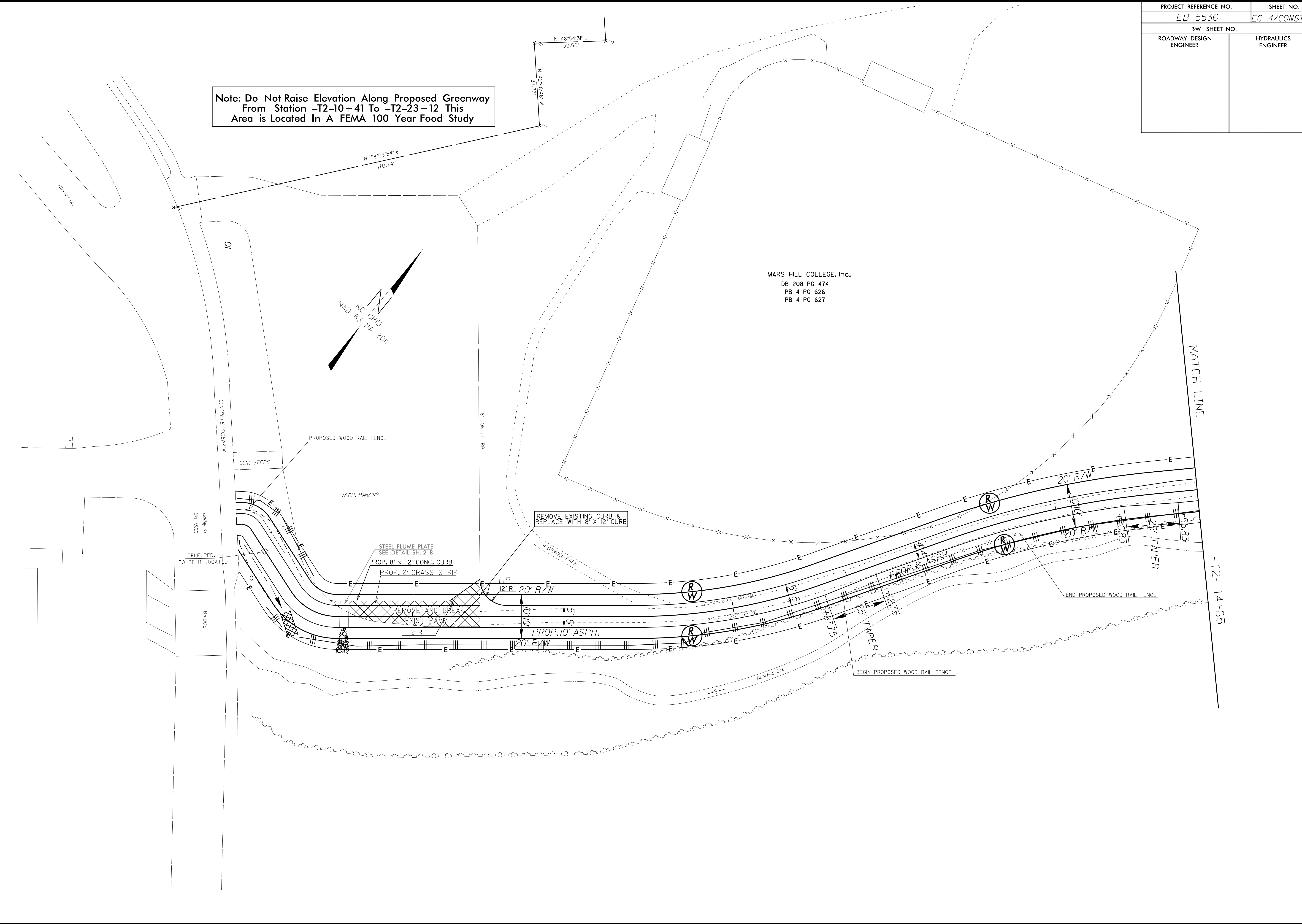
PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
EB-5536	EC-4/CONST04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Note: Do Not Raise Elevation Along Proposed Greenway From Station -T2-10+41 To -T2-23+12 This Area is Located In A FEMA 100 Year Flood Study

8/17/99

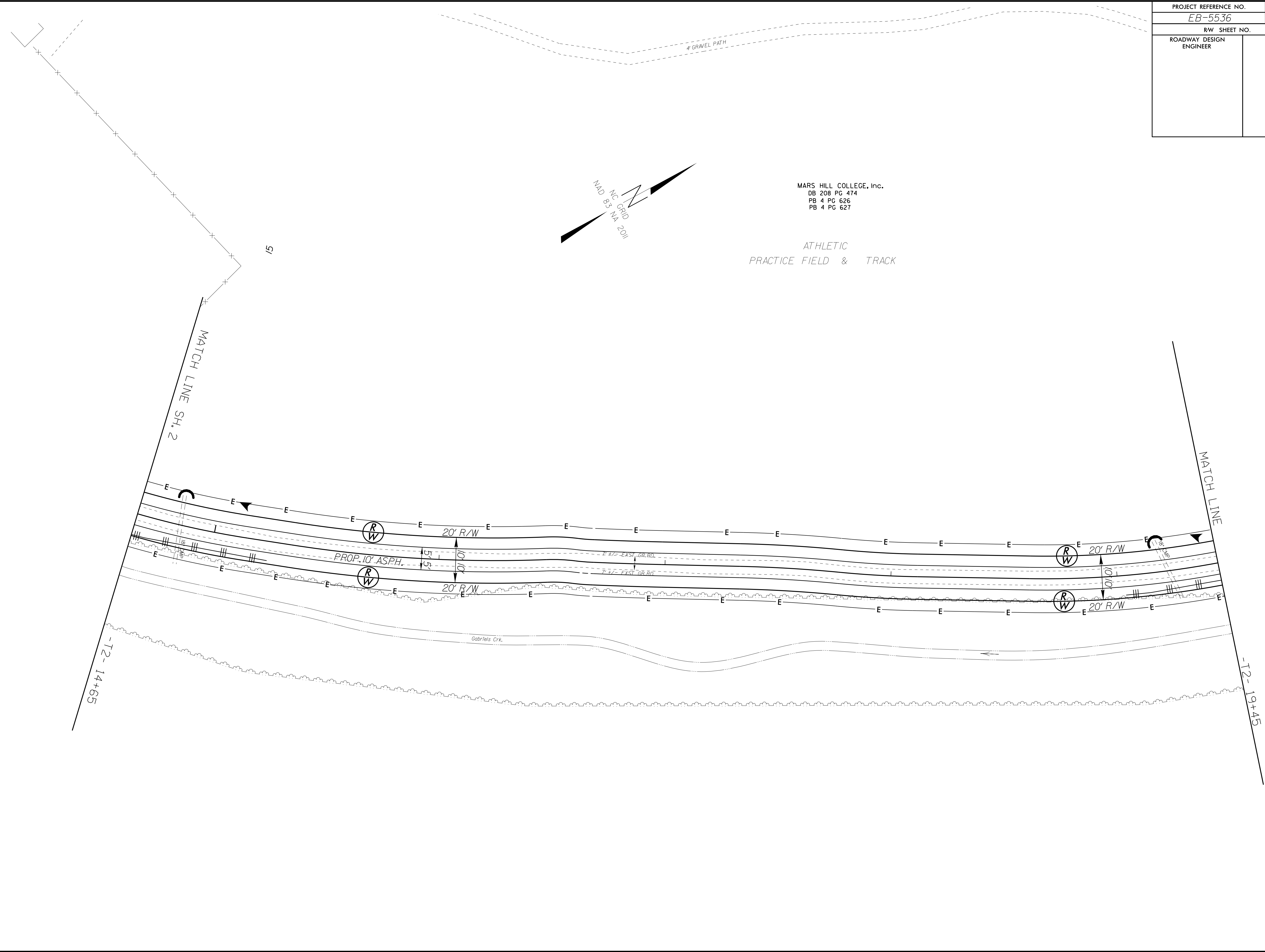


PROJECT REFERENCE NO.	SHEET NO.
EB-5536	EC-5/CONST05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

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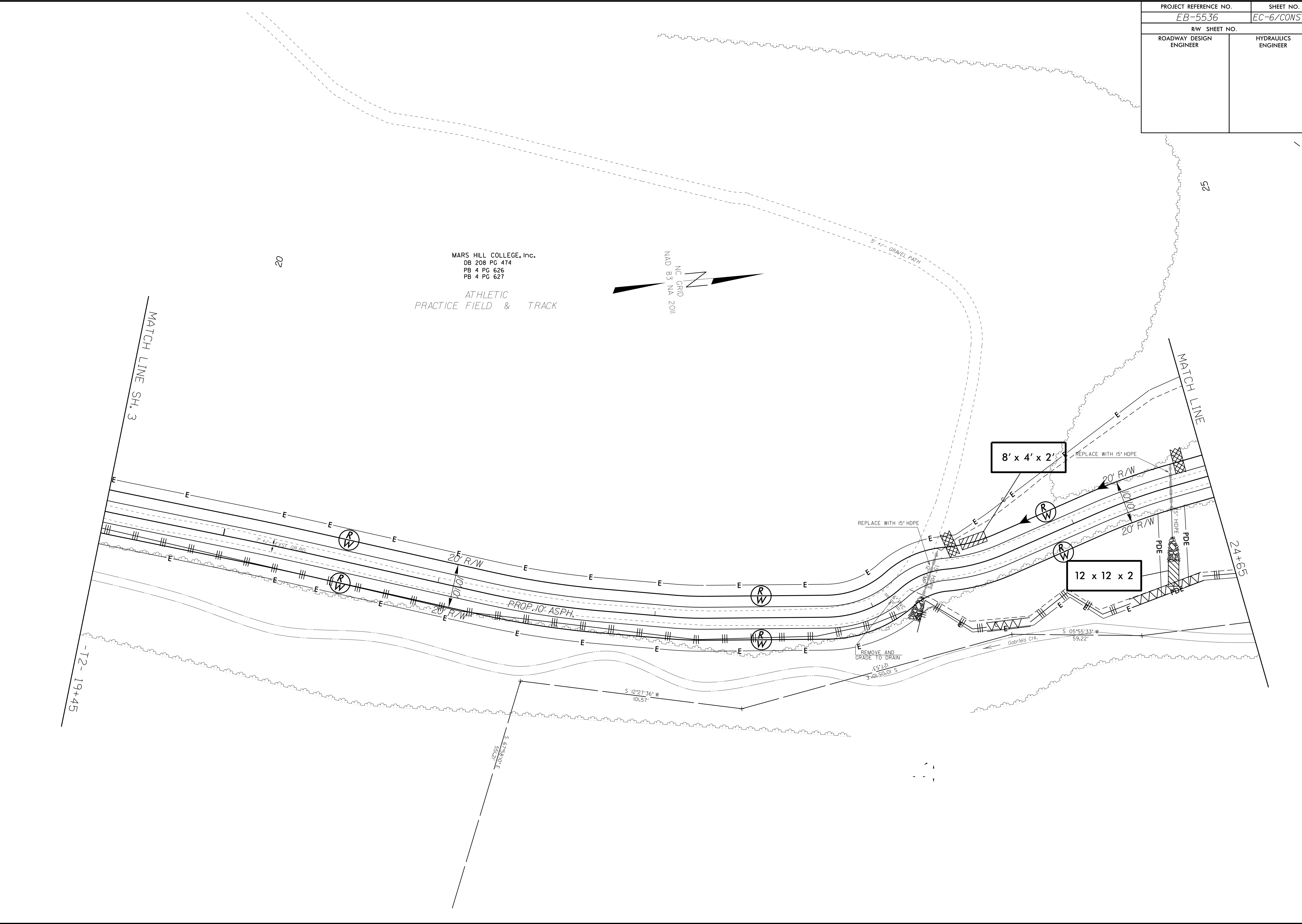


PROJECT REFERENCE NO.	SHEET NO.
EB-5536	EC-6/CONST06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

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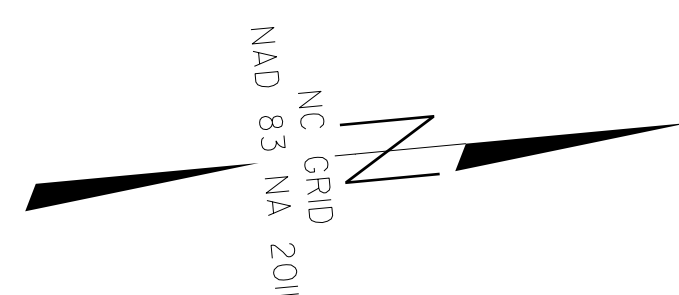


MATCH LINE SH. 3
-12-19+45

MATCH LINE
24+65

MARS HILL COLLEGE, Inc.
DB 208 PG 474
PB 4 PG 626
PB 4 PG 627

ATHLETIC
PRACTICE FIELD & TRACK



8' x 4' x 2'

12 x 12 x 2

S 87°59'12" E
101.57'

S 12°27'36" W
101.57'

55' L21
3+01.50, 01' S

S 05°59'33" W
59.22'

Gabriels Crk.

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REMOVE AND GRADE TO DRAIN

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

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REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

REPLACE WITH 15" HDPE

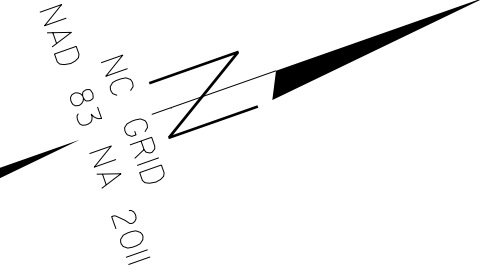
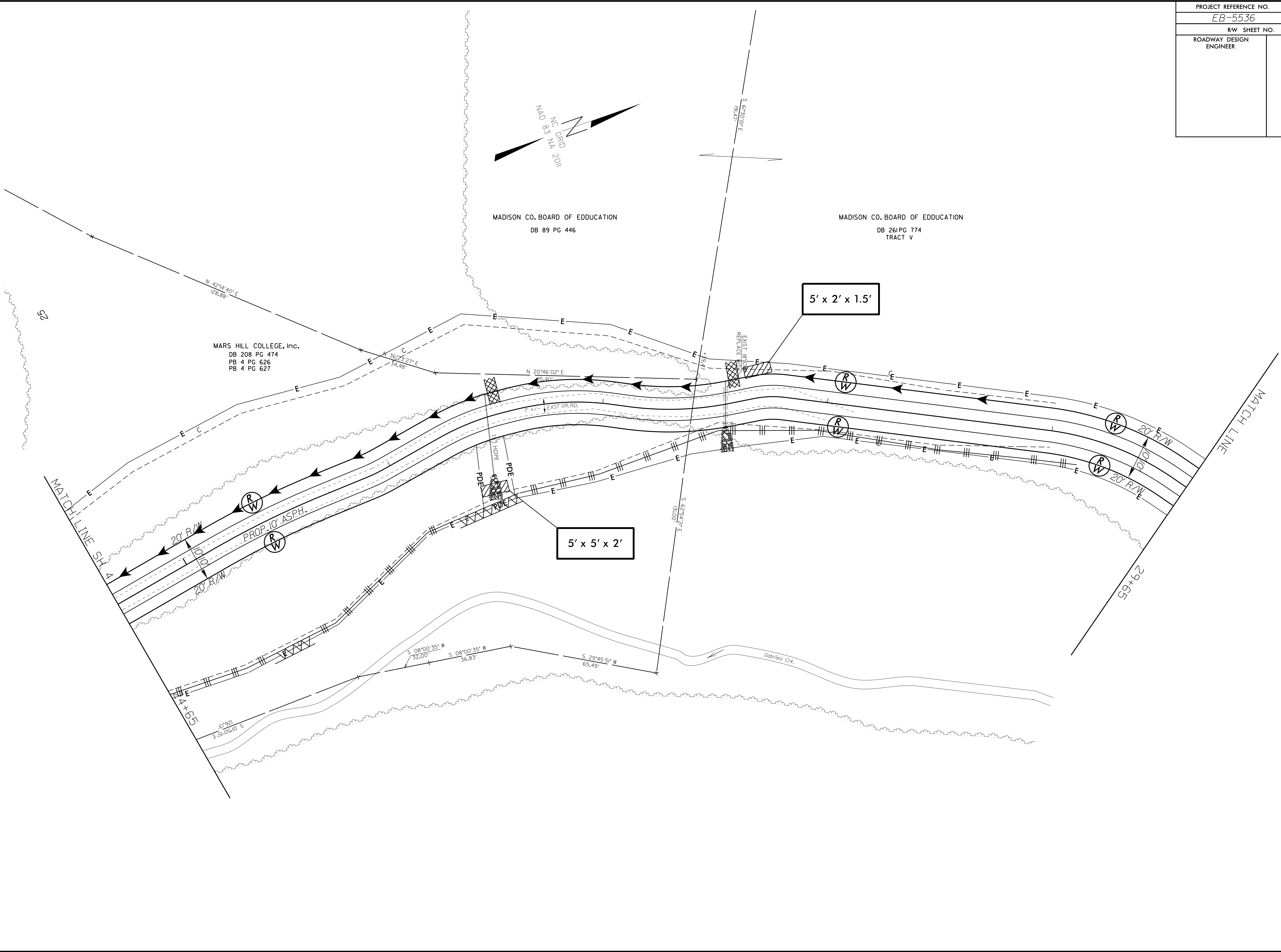
REPLACE WITH 15" HDPE

PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>EC-7/CONST07</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

8/17/99

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MADISON CO. BOARD OF EDUCATION
DB 89 PG 446

MADISON CO. BOARD OF EDUCATION
DB 26 PG 774
TRACT V

MARS HILL COLLEGE, Inc.
DB 208 PG 474
PB 4 PG 626
PB 4 PG 627

5' x 2' x 1.5'

5' x 5' x 2'

20' R/W

PROP. 10' ASPH.

20' R/W

29+65

MATCH LINE

S 63°00'E 30.77'

N 20°46'02\" E 65.49\"

N 42°45'40\" E 126.88\"

N 36°25'27\" E 34.46\"

S 62°55'E 34.46'

S 08°00'35\" W 32.00\"

S 08°00'35\" W 36.83\"

S 29°45'51\" W 65.49\"

Gabriels Crk.

5' x 2' x 1.5'

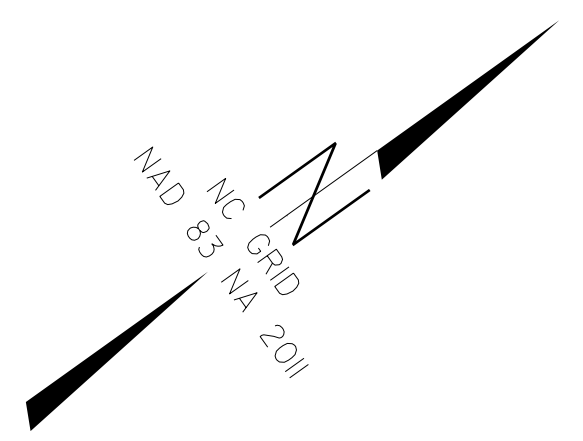
5' x 5' x 2'

S 01°50'15\" E 126.88\"

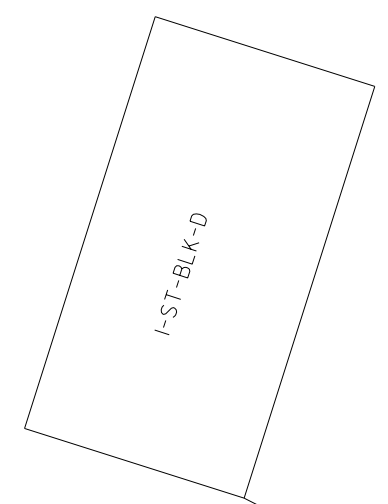
S 13°19'21\" E 126.88\"

PROJECT REFERENCE NO. EB-5536	SHEET NO. EC-8/CONST08
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

35



MADISON CO. BOARD OF EDUCATION
DB 261 PG 774
TRACT V



GRAVEL TRUCK

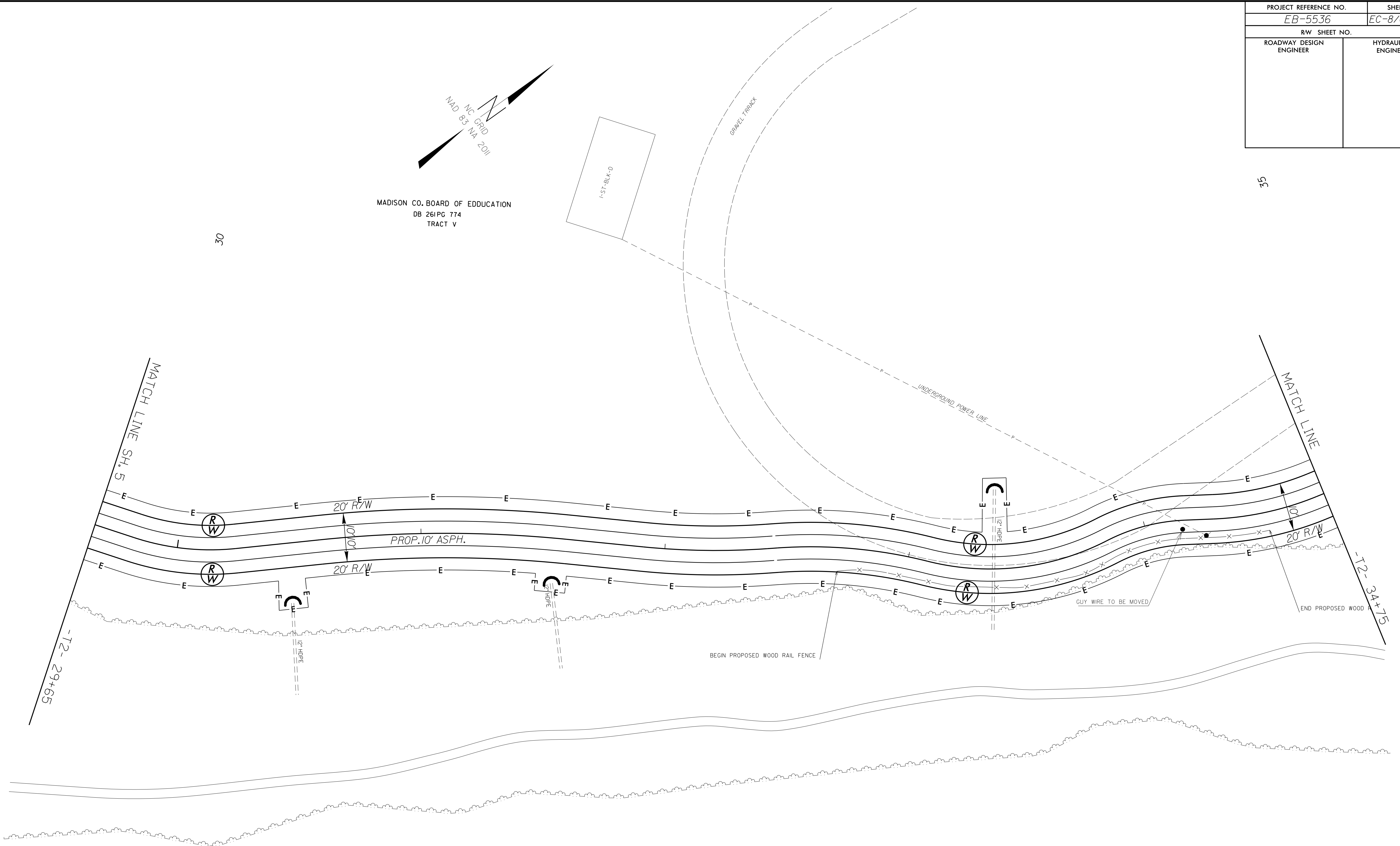
UNDERGROUND POWER LINE

MATCH LINE SH. 5

MATCH LINE

-T2-29+65

-T2-34+75



REVISIONS

8/17/99

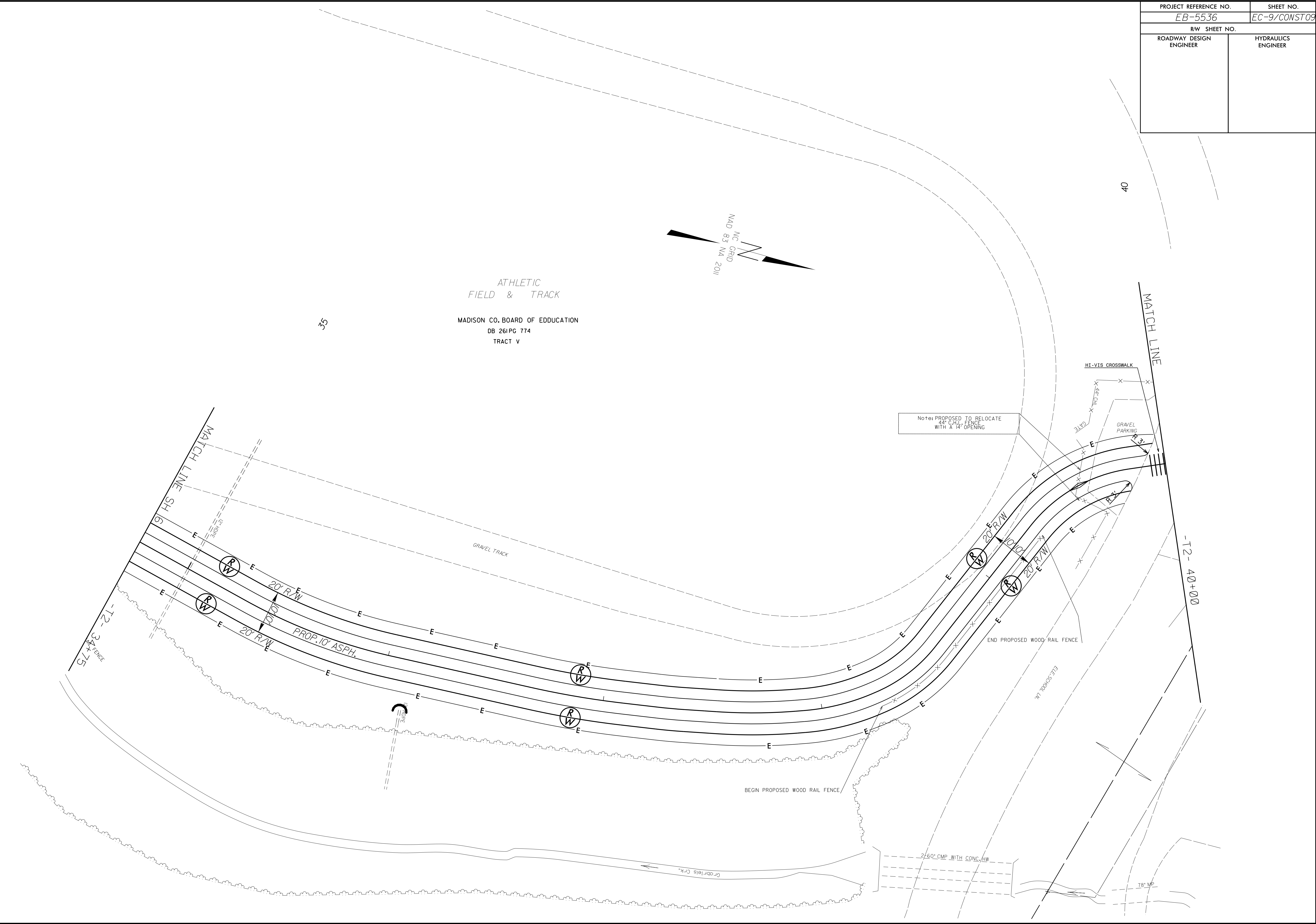
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PROJECT REFERENCE NO. EB-5536	SHEET NO. EC-9/CONST09
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

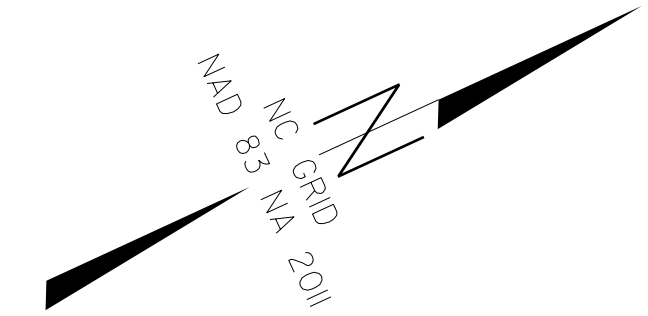
REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
EB-5536	EC-10/CONST10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



Note: Do Not Raise Elevation Along Proposed Greenway From Station -T2-42+91 To -T2-50+72 This Area is Located In A FEMA 100 Year Food Study

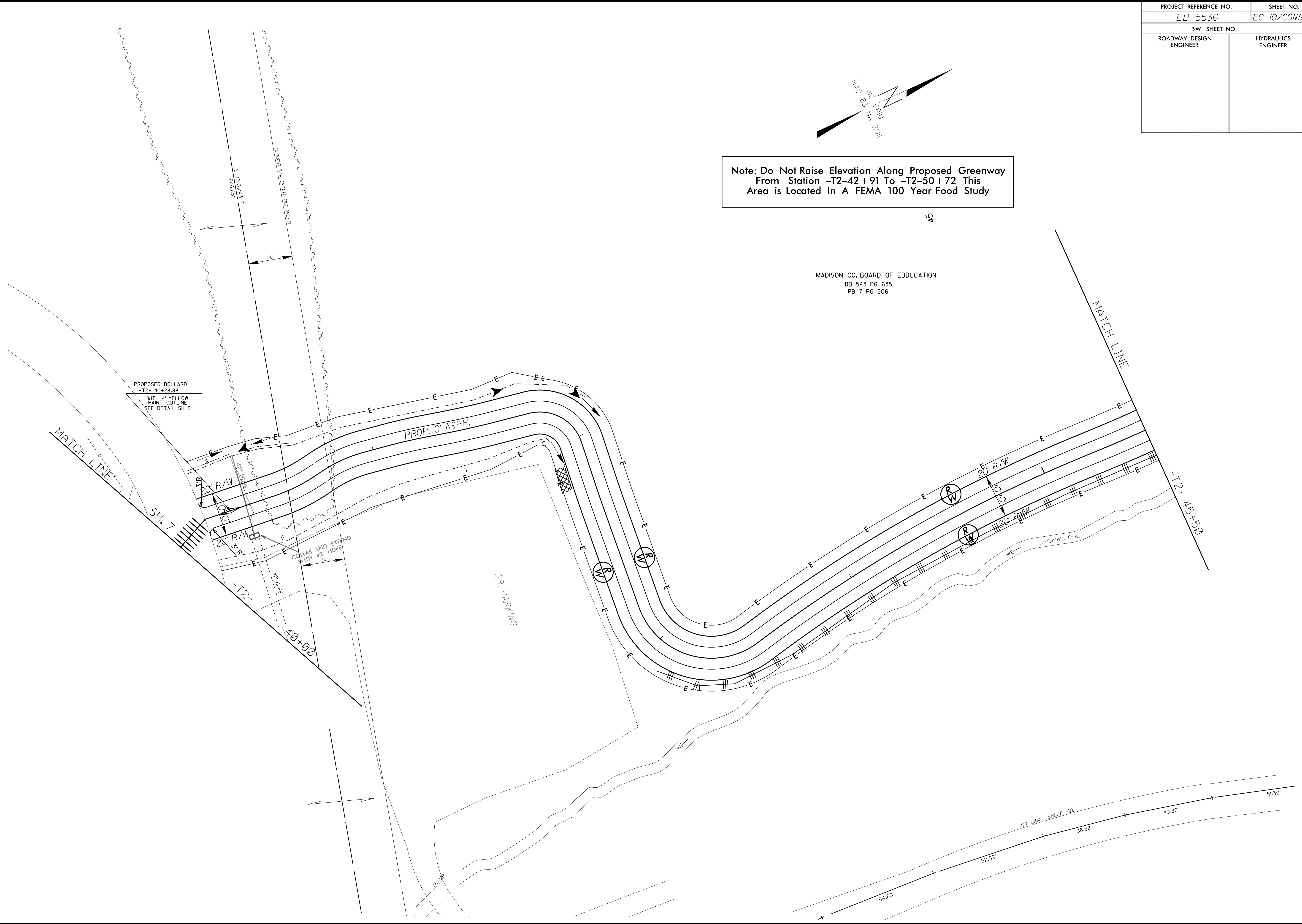
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MADISON CO. BOARD OF EDUCATION
DB 543 PG 635
PB 7 PG 506

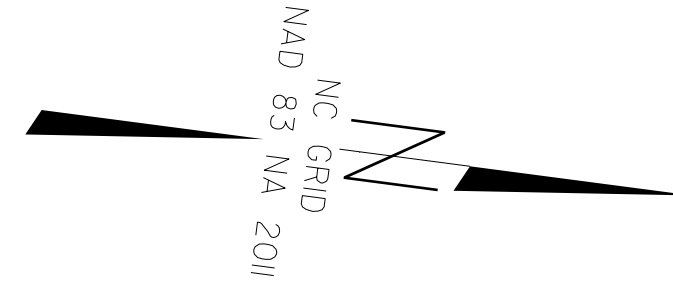
REVISIONS

8/17/99

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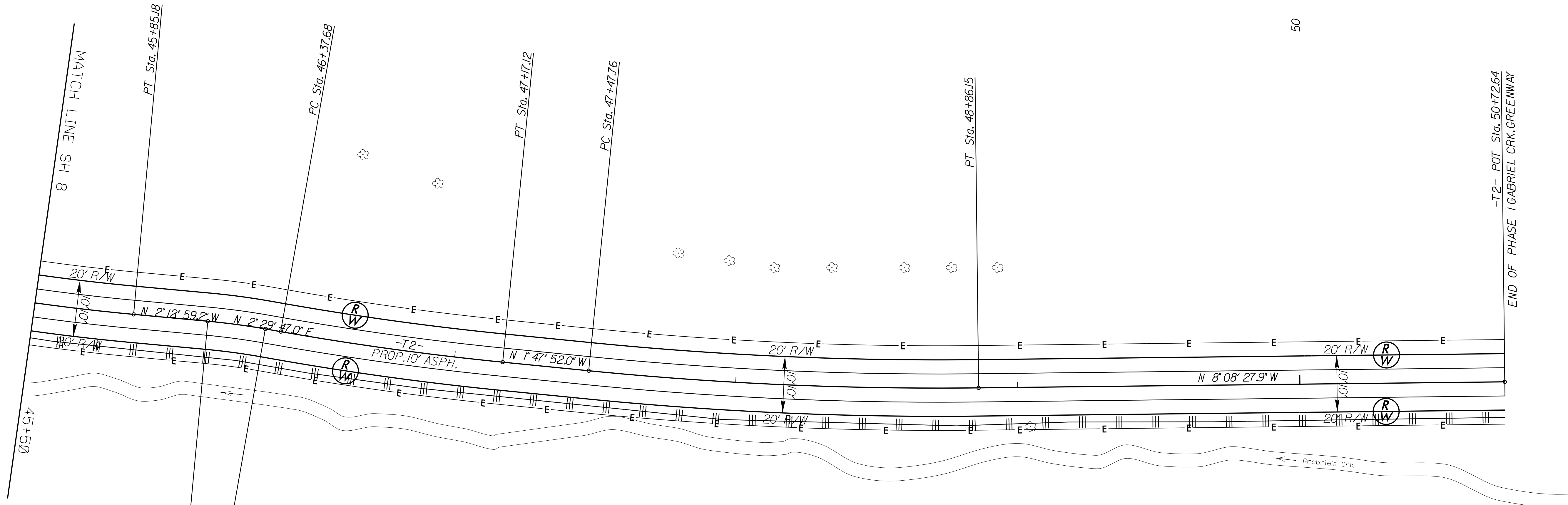


PROJECT REFERENCE NO. <i>EB-5536</i>	SHEET NO. <i>EC-II/CONST II</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MADISON CO. BOARD OF EDUCATION
DB 543 PG 635
PB 7 PG 506

50



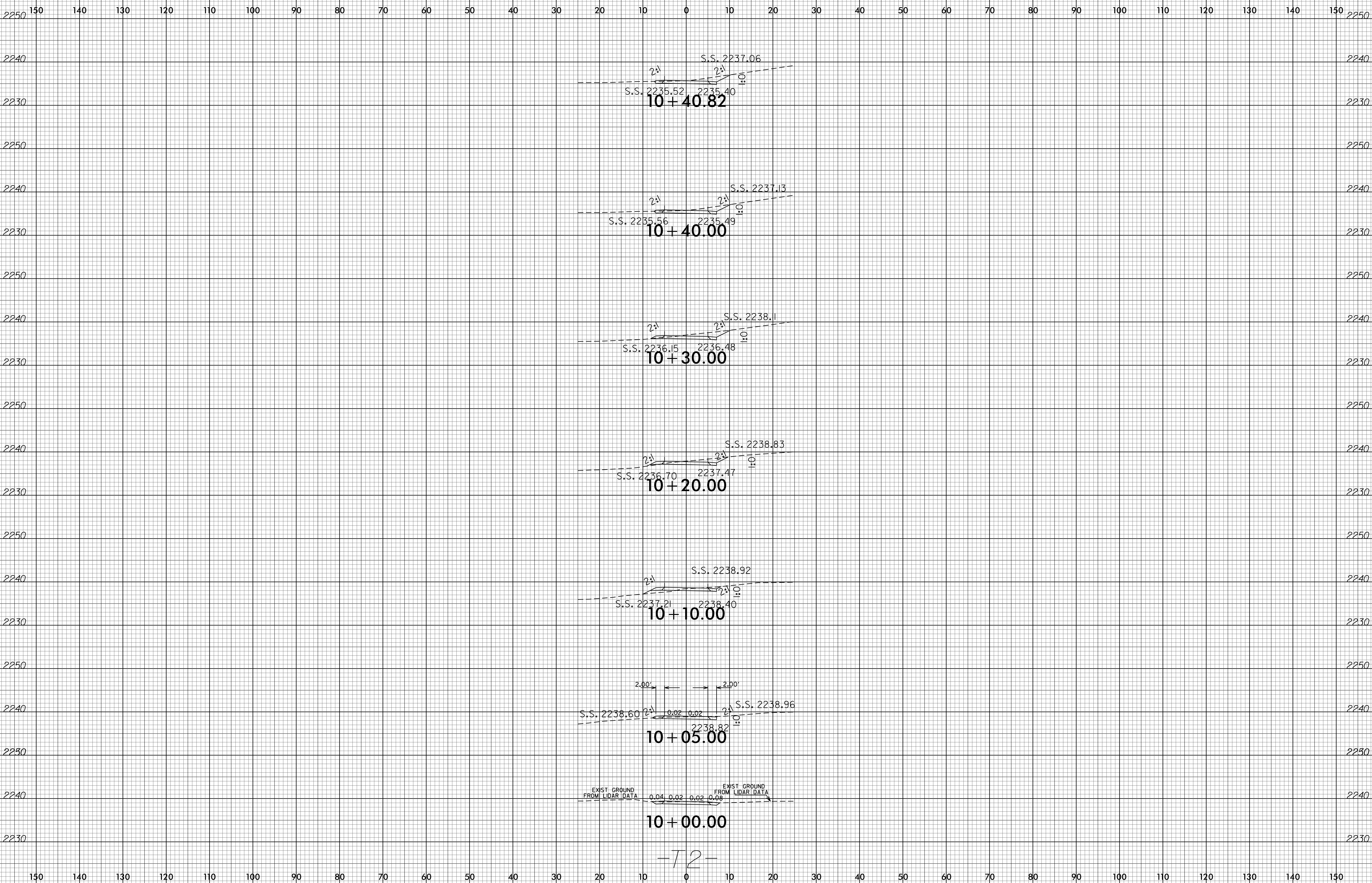
-T2-

PI Sta 45+55.23 Δ = 4° 39' 10.6" (LT) D = 7° 45' 49.2" L = 59.93' T = 29.98' R = 738.00'	PI Sta 46+21.87 Δ = 4° 42' 46.2" (RT) D = 22° 55' 05.9" L = 20.57' T = 10.29' R = 250.00'	PI Sta 46+77.42 Δ = 4° 17' 39.0" (LT) D = 5° 24' 18.9" L = 79.44' T = 39.74' R = 1,060.00'	PI Sta 48+17.02 Δ = 6° 20' 35.9" (LT) D = 4° 35' 01.2" L = 138.39' T = 69.27' R = 1,250.00'
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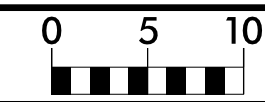
REVISIONS

8/17/99

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-T2-



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2240

2240

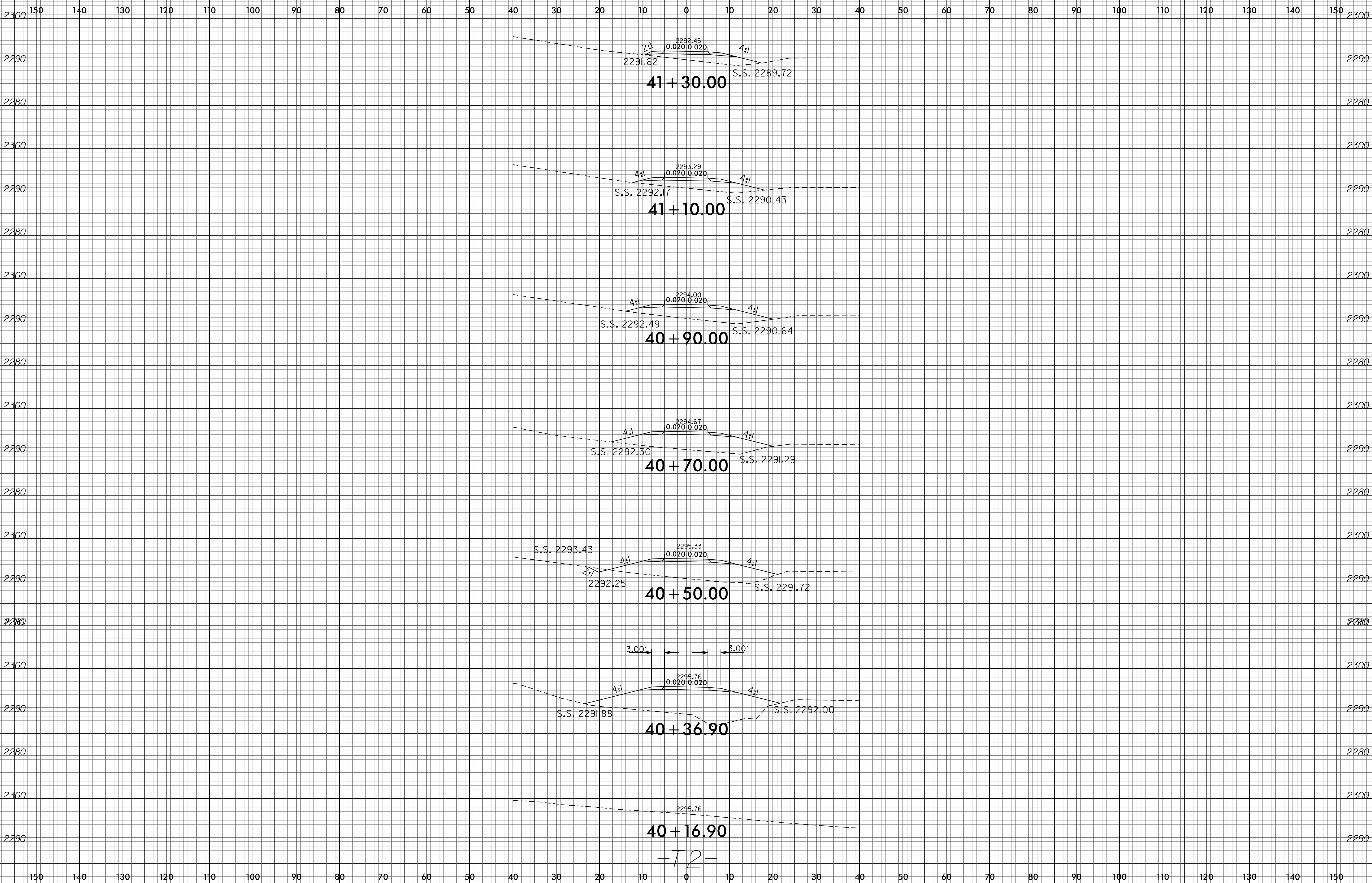
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2230

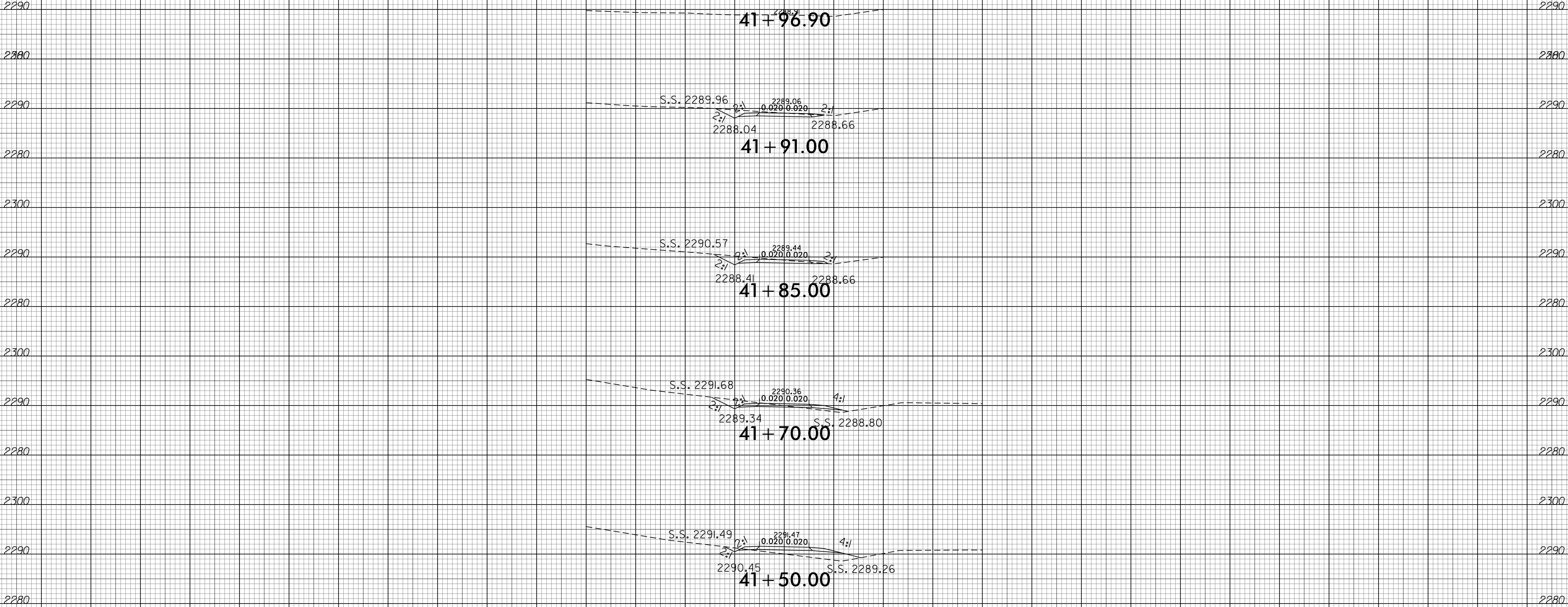
10+50.00

-T2-

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-T2-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150