TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	25A
CONST.	2009	18006-3210-04	25A

REVISION: 01/06/03 CHANGED PROPERTY OWNERS NAME ON TRACT NO'S. 151 & 193. DELETED PROP. R.O.W. ON TRACT NO. 151 DUE TO ENVIROMENTAL CONCERNS.

CUMBERLAND COUNTY, TENNESSEE

CUMBERLAND COUNTY

153 154 155 149 151 152

S+200.000
N 178872.5636
E 688198.5327

N51°31'17"E
79.431 m
(260.60')

S25°18'15"W
63.469 m (208.22')

N51°14'56"E
8.882 m (29.13')

PRESENT R.O.W.

21+600

3 m CONST. EASEMENT

S32°58'25"E
12.913 m
(42.37')

P12

N17°52'21"W
39.639 m(130.05')

P13

21.162 m (69.428')
N30°52'45"W

P11 P10

11.214 m (36.791')
N21°14'33"W

N13°05'45"W

36.241 m (118.900')

N26°38'38"W

P9

P15

3 m CONST. EASEMENT

SLOPE EASEMENT

N16°04'54"W

6.526 m (21.410')
N41°19'58"E

P8

PROP. R.O.W.

L=61.543 m (201.912')
R=601.337 m (1974.855')

PRESENT R.O.W.

5.816 m (19.082')
N43°21'47"E

L=16.628 m (54.555')
R=9.532 m (31.274')

SEE SHEET NO. 24A

STA. 21+520

N45°0'10"W
45.746 m
(150.08')

N49°41'53"W
42.799 m
(140.42')

P1

PRESENT & PROP. R.O.W.

P2

MATCH LINE

N40°18'07"E
49.720 m (163.123')

P.C. STA. 0+043.093
N 178962.039
E 688310.280

MID-AMERICAN INC.

CUMBERLAND MEDICAL CENTER

MED-ARTS

5+270.699 JUSTICE CENTER DR.=
5+100.000 SOUTHBEND DR.
N 178916.8164
E 688253.6686

5+256.647
5.138 m
(16.86')

S9°35'15"W
4.429 m
(14.54')

5+259.956
8.082 m
(26.52')

PROP. R.O.W.

21+586.085 SURV. C.L.=
5+300.000 JUSTICE CENTER DR.
N 178935.1576
E 688276.5203

PROP. R.O.W.

N36°43'32"E
29.889 m
(98.07')

21+601.916
10.533 m
(34.56')

END PROJECT NO. 18006-2210-04
STA. 21+604.558 R.O.W.

21+604.558
10.934 m
(35.55')

N82°54'33"E
20.951 m
(68.68')

PROP. R.O.W.

N53°1'51"E
32.703 m
(107.29')

21+584.132 SURV.
0+000.000 P.I. HARRISON CREEK
N 178933.701
E 688277.819

0+028.195
8.229 m
(27.00')

P3 P4 P5 P6 P7

1.801 m (5.910')
N70°23'56"E

R=581.241 m
L=155.061 m
(R=1906.96')
(L=508.73')

N51°14'42"E
50.262 m (164.900')

21+700

21+800

51.382 m (168.577')
N27°45'22"W

R=612.358 m
L=99.902 m
(R=2009.04')
(L=327.76')

R=614.841 m
L=40.737 m
(R=2017.19')
(L=133.65')

49.050 m (160.926')
N50°11'25"E

24.085 m (79.020')
N26°19'39"W

P18 P19

L3

38.769 m (130.475')
N56°59'01"E

49.168 m (335.084')
N56°24'12"E

30.237 m (99.204')
N26°27'44"W

10.026 m (32.580')
N28°26'19"W

42.587 m (139.724')
N26°26'19"W

45.720 m (150.000')
N51°14'42"E

LINE	CHORD BEARING	ARC	RADIUS
L1	S63°33'41"W	1.524 m(5.000')	
L2	N26°26'19"W	10.973 m(36.000')	
L3	N63°33'41"E	1.524 m(5.000')	
C1	N12°05'01"E	12.519 m(41.073')	9.144 m(36.000')
C2	S85°38'49"W	10.966 m(35.978')	9.144 m(35.000')
C3	N71°11'32"W	15.054 m(49.291')	9.144 m(35.000')
C4	N14°58'09"E	13.223 m(43.383')	9.144 m(35.000')
L4	S63°33'41"W	1.524 m(5.000')	

POINT	STA.	OFFSET
P1	21+530.781	18.449m(60.53')
P2	21+578.026	18.247m(59.87')
P3	21+593.798	12.514m(41.06')
P4	21+594.464	10.835m(35.55')
P5	21+591.385	45.136m(148.08')
P6	21+575.577	60.710m(199.18')
P7	21+752.456	10.688m(35.06')
P8	21+575.393	19.707m(64.66')
P9	21+575.393	26.233m(86.07')
P10	21+545.220	43.304m(142.19')
P11	21+535.787	48.022m(157.56')
P12	21+530.285	64.810m(212.63')
P13	21+562.333	46.393m(152.21')
P14	21+582.199	30.694m(100.39')
P15	21+592.322	27.579m(90.48')
P16	21+592.871	21.791m(71.49')
P17	21+601.916	10.533m(34.56')
P18	21+700.044	10.598m(34.77')
P19	21+740.053	10.378m(34.04')

FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & SEEP TO THE NORTH

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

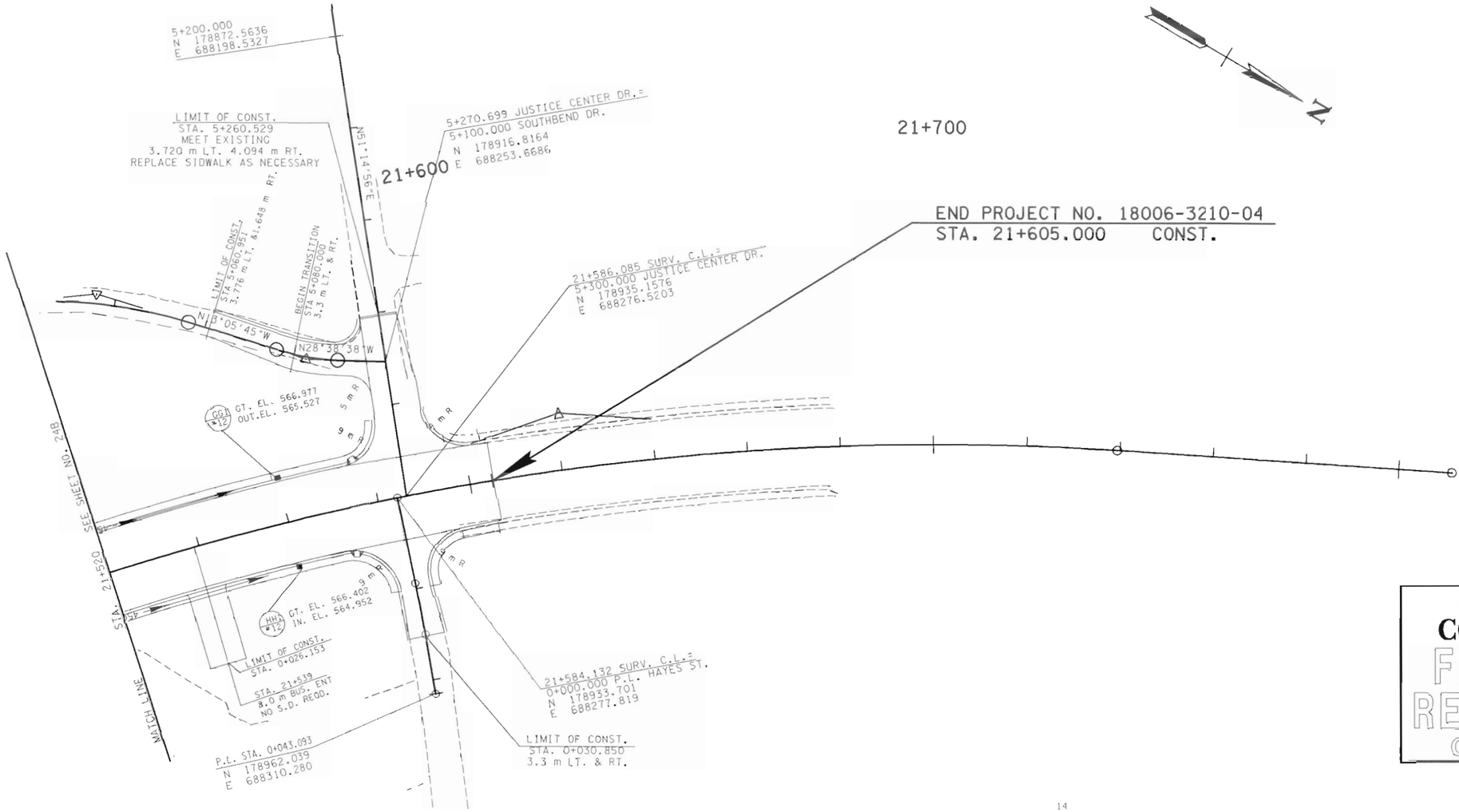
STA. 21+520 TO STA. 21+810
S.R. 28 / U.S. 127
SCALE: 1:500

Survey & Design Division

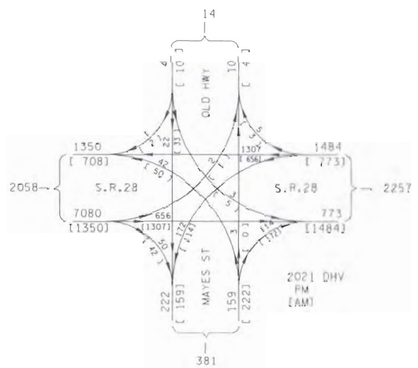
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	25B
CONST.	2009	18006-3210-04	25B



CURVE DC28109
PI 216+22.540
N 178,954.2304
E 688,244.5412
Δ 23° 20' 42" (RT)
R 582.125
L 237.185
T 120.261
SE
DESIGN SPEED
TRANS. LENGTH



FOR
CONST.
FIELD
REVIEW
ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT

STA. 21+520 TO STA. 21+810
S.R. 28 / U.S. 127
SCALE: 1:500

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	250
CONST.	2009	18006-3210-04	250

STA 21+595.495
LOW WIRE ELEV= 576.243m
8 - POWER
T - TELEPHONE
1 - CATV

END PROJECT NO. 18006-3210-04
STA. 21+605 CONST.

VPT 21+543.99
ELE 566.6733

VPT 21+593.99
ELE 567.0846

FINISHED GRADE

EXISTING G.L.

MATCH LINE STA. 21+520 SEE SHEET NO. 24C

STA. 21+524.179

CB 3 21+563.875 20.026m RIGHT
TOP 566.05
INVERT CLOGGED

END PROJECT NO. 18006-1209-04
STA 21+600.000 MEET EXISTING

VC = 100.0000 m
K = 23
V = 70 km/h

TRANSITION TO SUPERELEVATION

SUPERELEVATION=3.2%

FOR CONST. FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

S.R. 28 / U.S. 127
STA. 21+520 TO STA. 21+605
SCALE: 1:500 HORIZ.
1:50 VERT.

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: EXISTING AND PROPOSED R.O.W. STATIONING SHOWN ON THIS SHEET IS BASED ON THE R.O.W. CENTERLINE.

REVISION: 11/26/02 ADJUSTED PROP. R.O.W. RT. BETWEEN STA. 15+923.229 AND STA. 15+907.716. ADDED 8m BUS. ENT. RT. AT STA. 15+900.
REVISION: 05/01/06 MODIFIED PROPOSED R.O.W. TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

REVISION: 11/10/06 MODIFIED PROPOSED R.O.W. ON TRACT 32S DUE TO REDESIGNED CULVERT ON DEEP DRAW ROAD. MODIFED DRAINAGE EASEMENT ON TRACT NO. 40 DUE TO REDESIGNED CULVERT ON DEEP DRAW ROAD.

REVISION: 02/26/07 CHANGED PROPOSED R.O.W. TO CONST. AND DRAINAGE EASEMENT FOR TRACT NO. 26.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	26
CONST.	2009	18006-3210-04	26

N

1-BR. BUS. ROSELYN SOUTHERN

36 ROSELON INDUSTRIES, INC.

LIMIT OF R.O.W. NO.18006-2210-04
P.L. STA. 15+700.000 R.O.W. CL

15+700

0+000

35 JERRY BROWN

34 JOE E. REYNOLDS AND WIFE CHARLOTTE

15+800

33 JACK COOPER & LINDA JEAN COOPER REVOCABLE TRUST AGREEMENT

0+100

15+900

GARY R. GREENE AND WIFE WILMA 31

1-ROCK RES.

1-F. RES.

LOWELL THOMAS BERTRAM 30

1-METAL SHED

1-F. GAR.

1-BR. RES.

STA. 0+246.45 S.R.68 =
STA. 0+000.00 RECTOR AVE
N 174860.3966
E 691950.1747

STA. 0+218.69 S.R.68 =
STA. 0+000.00 DEEP DRAW ROAD
N 174867.8714
E 691976.9098

1-BL. BUS CUMBERLAND ELECTRONICS

26 TENN

16+000

3.7 m GR.

PROP. R.O.W.

PROP. DRAINAGE EASEMENT

PROP. CONST. EASEMENT

SEE SHEET NO. 10

MATCH LINE STA. 16+000

4SPH. PK.

1-F. RES.

1 1±2-BL RES.

P±T±CATV

6 — 51 — G

END 100mm CONC. PIPE

INV. 560.406m

300mm RCP

6.5 m ASPH.

M-131 M-130 M-129 M-128 M-127 M-126 M-125 M-124 M-123 M-122 M-121 M-120 M-119 M-118 M-117 M-116 M-115 M-114 M-113 M-112 M-111 M-110

INV. 560.077m

PRESENT R.O.W.

6.6 m GR.

300mm CMP

GR. PK.

BEGIN S.R.68 CONST. C.L.
STA. 0+000.00

38 1-BL. BUS. CATOOSA FACTORY OUTLET

CATOOSA KNITTING MILLS, INC.

BEGIN S.R.68 R.O.W. C.L.
STA. 15+615.14

TRAILER

1 1±2-BL. BUS. GRANDMA'S ATTIC ANTIQUES

ASPH. PK.

37 DOYLE T. VADEN

3.6 m GRASS

1 1±2 -F-RES.

BM-64

2-F. HOMESTEAD UNITED METHODIST CHURCH

32S

32 CUMBERLAND HOMESTEAD METHODIST CHURCH

42 DAVID L. TRUE AND WIFE SUE

TRAILER

1-F. RES.

41

LESLIE S. PRATT AND WIFE BERNICE

40

MARY ELLEN PARKER

1-BR. RES.

1+500

S.R.68 R.O.W. CENTERLINE		S.R.68 CONSTRUCTION CL		DEEPDRAW ROAD CONST. CL	
PI	15+843.579	PI	1+43.054	PI	0+35.087
N	174,892.2363	N	174,888.4064	N	174,902.9466
E	692,091.0931	E	692,050.1577	E	691,976.0062
Δ	6° 07' 50" (LT)	Δ	10° 18' 18" (LT)	Δ	46° 02' 03" (RT)
R	1,200.000	R	900.000	R	50.000
L	128.401	L	161.870	L	40.172
T	64.262	T	81.154	T	21.241
SE		SE		SE	
DESIGN SPEED		DESIGN SPEED		DESIGN SPEED	
TRANS. LENGTH		TRANS. LENGTH		TRANS. LENGTH	

NOTE: WATER LINES HAVE 0.75 m OF COVER

FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00005 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT

STA. 15+900 TO STA. 16+000
S.R. 68
SCALE: 1:500

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: EXISTING AND PROPOSED R.O.W. STATIONING SHOWN ON THIS SHEET IS BASED ON THE R.O.W. CENTERLINE.

REVISION 4/10/02: CORRECTED STA. AND OFFSET ON TRACT NO. 32.

REVISION: 11/26/02 ADJUSTED PROP. R.O.W. RT. BETWEEN STA. 15+923.229 AND STA. 15+907.716. ADDED 8m BUS. ENT. RT. AT STA. 15+900.

REVISION: 05/01/06 MODIFIED PROPOSED R.O.W. TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

REVISION: 02/26/07 CHANGED PROPOSED R.O.W. TO CONST. AND DRAINAGE EASEMENT FOR TRACT NO. 26.

REVISION: 11/10/06 MODIFIED PROPOSED R.O.W. ON TRACT 32S DUE TO REDESIGNED CULVERT ON DEEP DRAW ROAD. MODIFED DRAINAGE EASEMENT ON TRACT NO. 40 DUE TO REDESIGNED CULVERT ON DEEP DRAW ROAD.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	26A
CONST.	2009	18006-3210-04	26A

N

36 ROSELON INDUSTRIES, INC.

15+700

0+000

LIMIT OF R.O.W. NO. 18006-2210-04
P.L. STA. 15+700.00 R.O.W. CL

35 JERRY BROWN

34 JOE E. REYNOLDS AND WIFE CHARLOTTE

15+800

33 JACK COOPER & LINDA JEAN COOPER REVOCABLE TRUST AGREEMENT

0+100

15+900

0+200

31 GARY R. GREENE AND WIFE WILMA

30 LOWELL THOMAS BERTRAM

STA. 0+246.45 S.R.68 = STA. 0+000.00 RECTOR AVE
N 174860.3966
E 691950.1747

STA. 0+218.69 S.R.68 = STA. 0+000.00 DEEP DRAW ROAD
N 174867.8714
E 691976.9098

PRESENT R/W

BEGIN S.R.68 CONST. C.L.
STA. 0+000.00

37 DOYLE T. VADEN

38 CATOOSA KNITTING MILLS, INC.

32 CUMBERLAND HOMESTEAD METHODIST CHURCH

32S

42 DAVID L. TRUE AND WIFE SUE

41 MARY ELLEN PARKER

40 LESLIE S. PRATT AND WIFE BERNICE

1+500

0+000

SEE SHEET NO. 26A

MATCH LINE

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TDOT N.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

RIGHT-OF-WAY DETAILS

STA. 15+900 TO STA. 16+000

S.R. 68

SCALE: 1:500

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Survey & Photo Division

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: CENTERLINE AND STATIONING SHOWN ON THIS SHEET IS BASED ON THE CONSTRUCTION CENTERLINE.

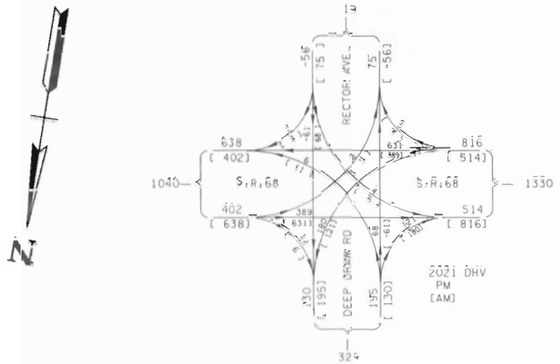
REVISION: 11/26/92 ADJUSTED PROP. R.O.W. RT. BETWEEN STA. 15+923.229 AND STA. 15+967.716. ADDED 8m BUS. ENT. RT. AT STA. 15+900.

REVISION: 02/26/07 ADJUSTED SLOPES FOR RECTOR AVE.

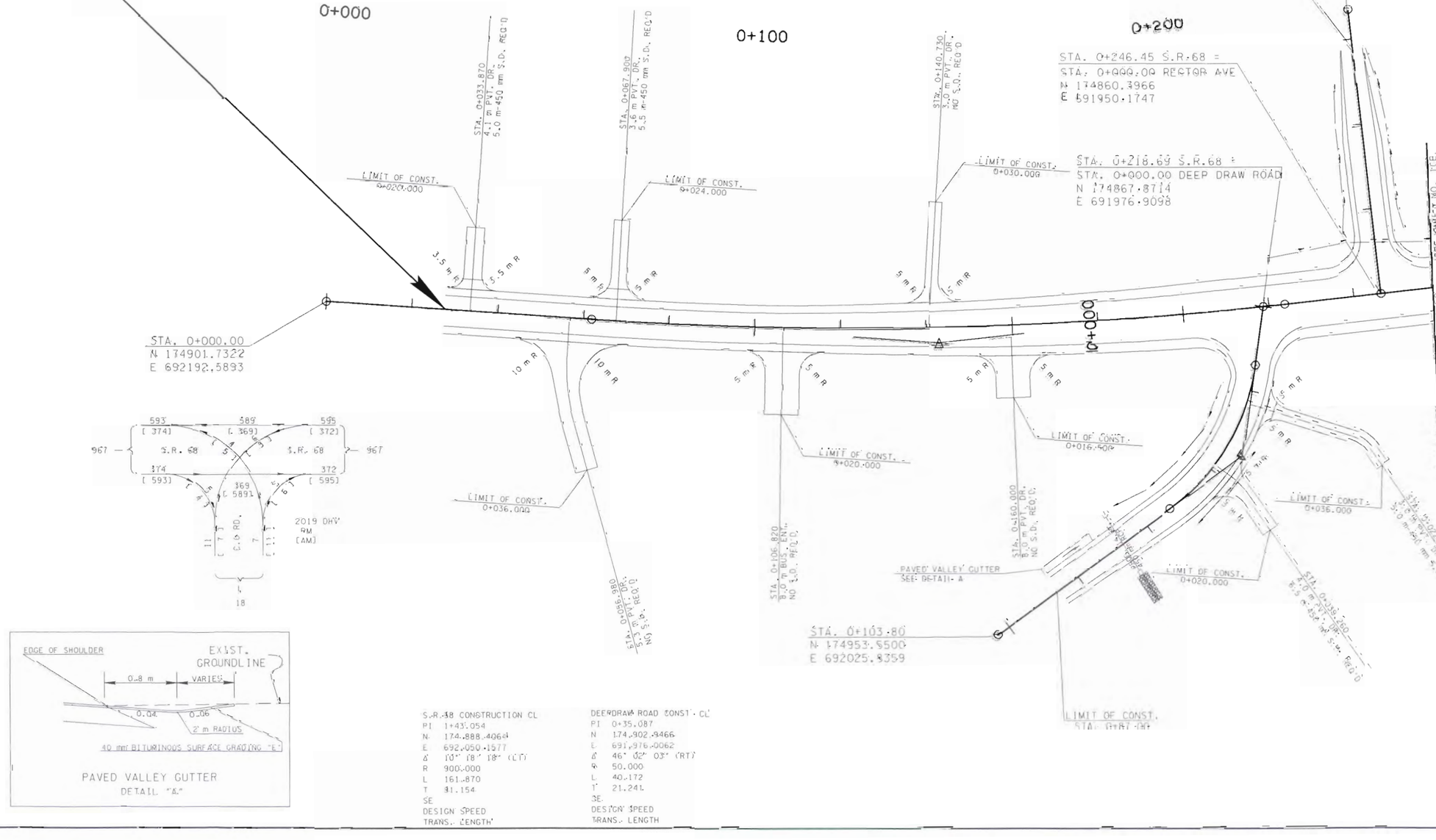
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2000	18006-1209-04	26B
CONST.	2009	18006-3210-04	26B

REVISION: 05/01/06 DELETED PROP ALIGNMENT DUE TO NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. ADDED PROPOSED ALIGNMENT AND TYPICAL SECTION BASED ON NEW DESIGN.

REVISION: 11/10/06 MOVED PROPOSED 450 mm CULVERT ON DEEP DRAW ROAD. ADDED PAVED VALLEY GUTTER TO DEEP DRAW ROAD. ADDED PAVED VALLEY GUTTER DETAIL.



BEGIN PROJECT NO. 18006-3210-04
STA. 0+027.949 CONST.



S.R.68 CONSTRUCTION CL
PI 1+43.054
N 174,888.4068
E 692,050.1577
Δ 10° 18' 18" (LT)
R 900.000
L 161.870
T 81.154
SE
DESIGN SPEED
TRANS. LENGTH

DEERDRAW ROAD CONST. CL
PI 0+35.087
N 174,902.9466
E 691,976.0062
Δ 46° 02' 03" (RT)
R 50.000
L 40.172
T 21.241
SE
DESIGN SPEED
TRANS. LENGTH

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT

STA. 0+000 TO STA. 2+60
S.R. 68
SCALE: 1:500

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: PROFILE AND STATIONING SHOWN ON THIS SHEET IS BASED ON THE CONSTRUCTION CENTERLINE.

REVISION: 06/01/06 DELETED PROP PROFILE DUE TO NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. ADDED PROPOSED PROFILE BASED ON NEW DESIGN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2009	18006-2210-04	26
CONST.	2009	18006-3210-04	26

STA 15+787.839
LOW WIRE ELEV= 570.240m
4 - POWER
1 - CATV

STA 15+931.743
LOW WIRE ELEV= 570.158m
1 - TELEPHONE

STA 15+985.054
LOW WIRE ELEV= 570.010m
1 - TELEPHONE
1 - CATV

VPI 0+23.76
EL. 562.939

VPC 1+80.49
EL. 564.0852

VPI 1+50.49
EL. 564.3000

VPT 1+70.49
EL. 564.3359

VPC 1+97.09
EL. 564.3782

VPI 2+34.09
EL. 564.4500

EXISTING G.L.

FINISHED GRADE

LIMIT OF CONST.
STA. 0+23.770

1.074%

-0.179%

CREST 1+49.44
EL. 564.38.32

VC = 40.0000 m
K = 145
V = 70+ km/h
Max. Calculated Speed = 90

VC = 80.0000 m
K = 31
V = 70+ Km/h
Max. Calculated Sp

MATCH LINE STA. 2+60.00
SEE SHEET NO. 10C.

FOR CONSTR
FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

S.R. 68
STA. 15+900 TO STA. 16+000
SCALE: 1:500 HORIZ.
1:50 VERT.

573 572 571 570 569 568 567 566 565 564 563 562 561 560 559 558 557 556 555 554 553 552 551 550 549 548

0+00.00 0+20.00 0+40.00 0+60.00 0+80.00 1+00.00 1+20.00 1+40.00 1+60.00 1+80.00 2+00.00 2+20.00 2+40.00 2+60.0

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

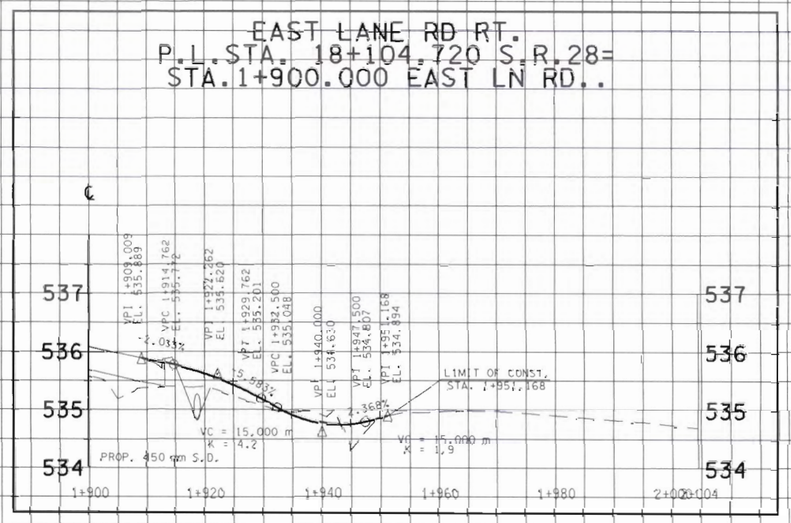
TYPE	YEAR	PROJECT No.	SHEET NO.
R.O.W.	2001	18006-2210-04	27
CONST.	2009	18006-3210-04	27

REVISION 05/01/06: MODIFIED SHEET TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

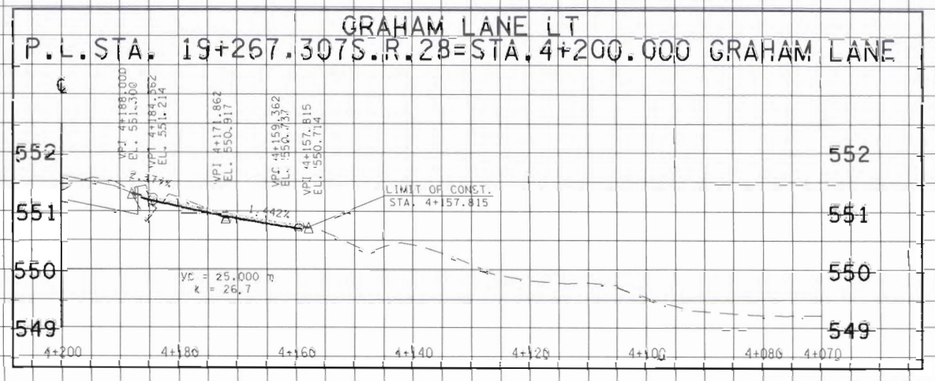
REVISION 02/26/07: ADDED PARK TRACE DRIVE LT. P.L. STA.18+917.82.

FOR CONST. FIELD REVIEW ONLY

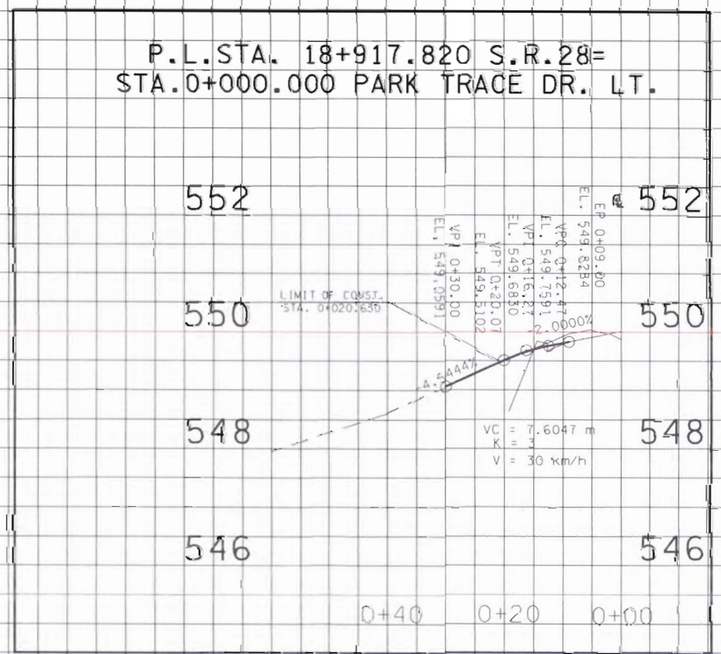
EAST LANE RD RT.
P.L.STA. 18+104.720 S.R.28= STA.1+900.000 EAST LN RD..



GRAHAM LANE LT
P.L.STA. 19+267.307S.R.28=STA.4+200.000 GRAHAM LANE



P.L.STA. 18+917.820 S.R.28= STA.0+000.000 PARK TRACE DR. LT.



METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Complete
4-FEB-2008 16:19:08

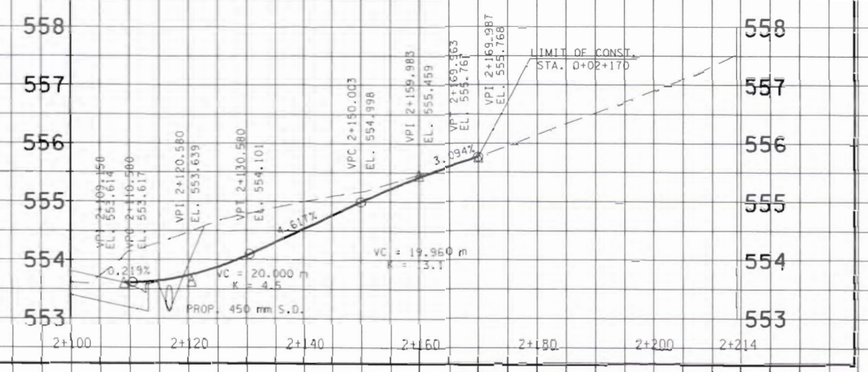
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TENNESSEE D.O.T.
DESIGN DIVISION

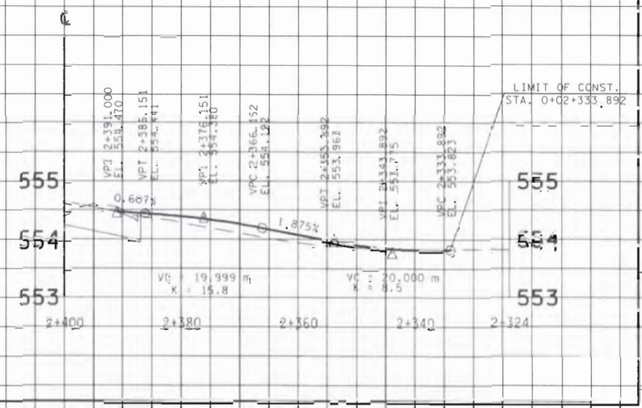
F.I.F. NO.

TYPE	YEAR	PROJECT No.	SHEET NO.
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CONST.	2009	18006-3210-04	27A

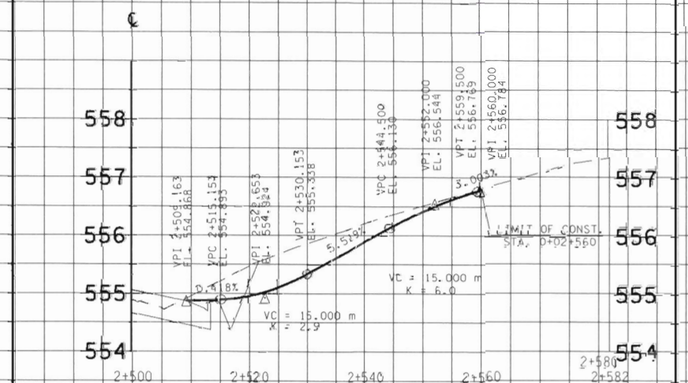
MALVER DR. RT
P.L.STA. 19+496.015 S.R.28=STA.2+100 MALVER DR.



SOUTHGATE DR. LT
P.L.STA. 19+582.825 S.R.28=
STA.2+400.000 SOUTHGATE DR



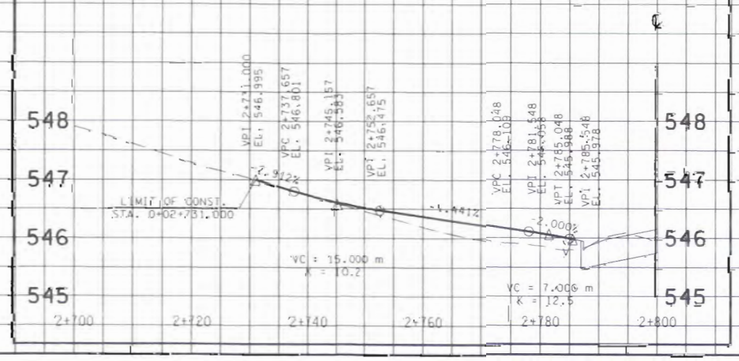
BROOKHAVEN DR. RT
P.L.STA. 19+625.745 S.R.28=
STA.2+500 BROOKHAVEN DR.



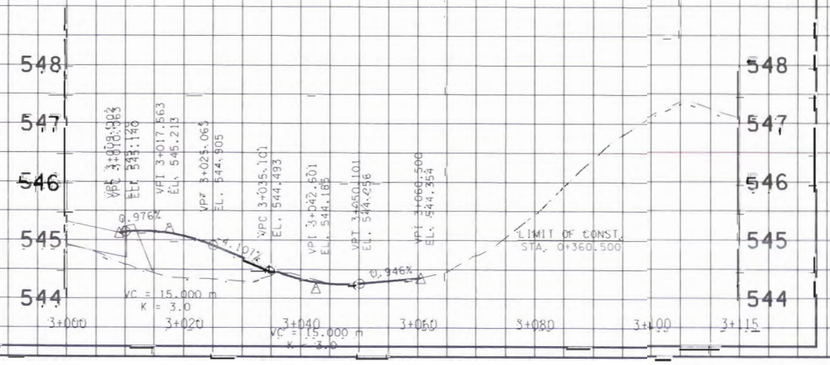
WILSON LN LT.
P.L.STA. 19+709.999 S.R.28=PLSTA.0+000 WILSON LN.



SHEPARDS WAY LT
P.L.STA. 20+115.731 S.R.28=
STA.2+800 SHEPARDS WAY.



WELLS RD RT
P.L.STA. 20+621.407 S.R.28=STA.3+000 WELLS RD



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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF SIDE ROADS AND STREETS

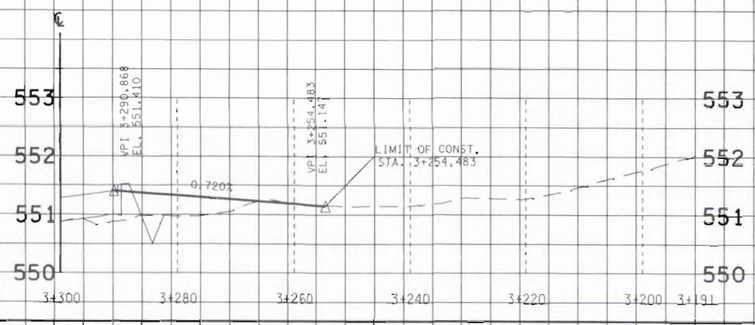
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1:50 VERT.

24-FEB-2010 15:48
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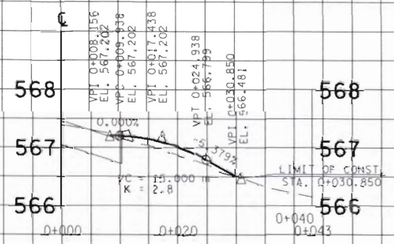
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	27B
CONST.	2009	18006-3210-04	27B

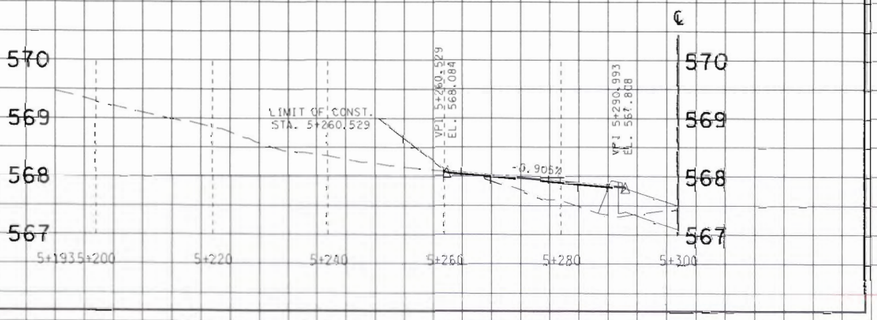
DUNBAR LANE LT.
P.L.STA. 20+815.000 S.R.28=STA.3+300 DUNBAR LANE



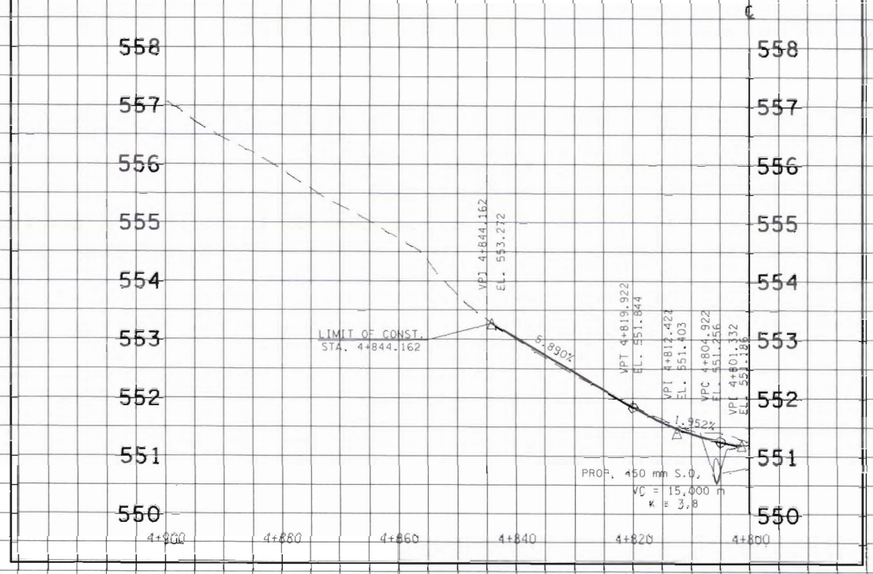
HAYES ST RT
P.L.STA. 21+584.132 S.R.28=P.L.STA.0+000 HAYES ST



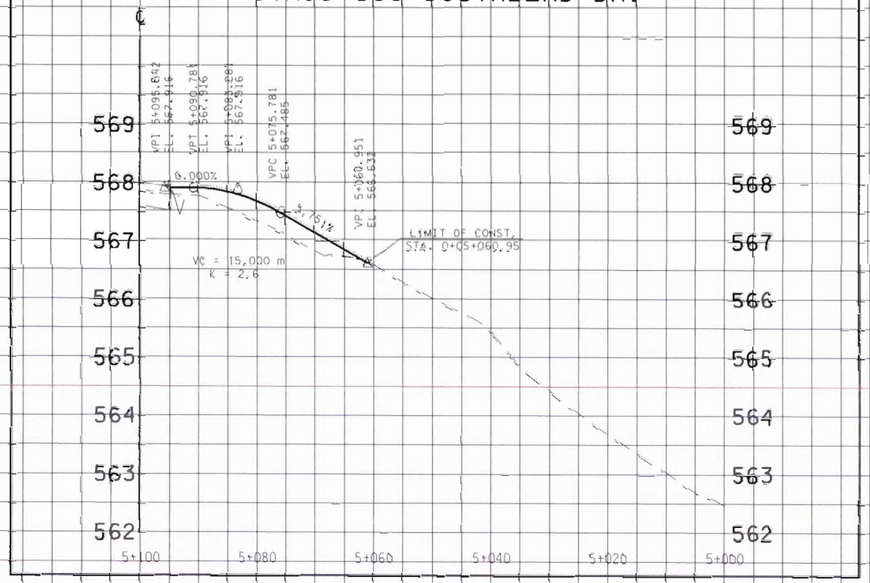
JUSTICE CENTER DR LT
P.L.STA.21+586.085 S.R.28=STA.5+300 JUSTICE CENTER DR



LEE JUNE ST LT
STA. 3+263.671 DUNBAR LN=STA.4+800 LEE JUNE ST.



SOUTHBEND DR.
P.L.STA.5+270.699 JUSTICE CENTER DR=
STA.5+100 SOUTHBEND DR.



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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

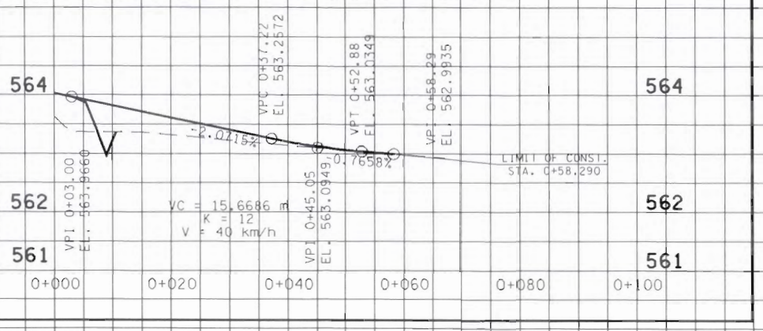
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

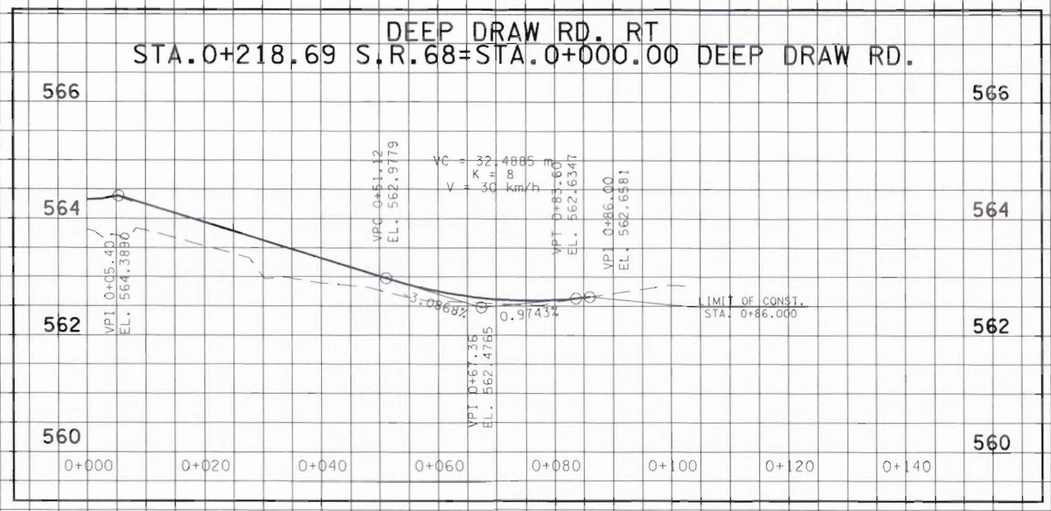
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	27C
CONST.	2009	18006-3210-04	27C

REVISION 05/01/06: MODIFIED SHEET TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

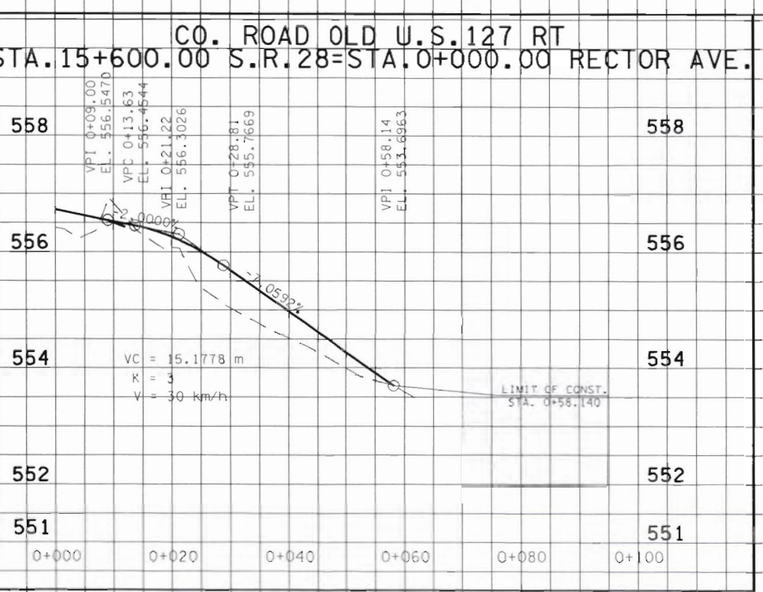
RECTOR AVE. LT
STA.0+246.45 S.R.68=STA.0+000.00 RECTOR AVE.



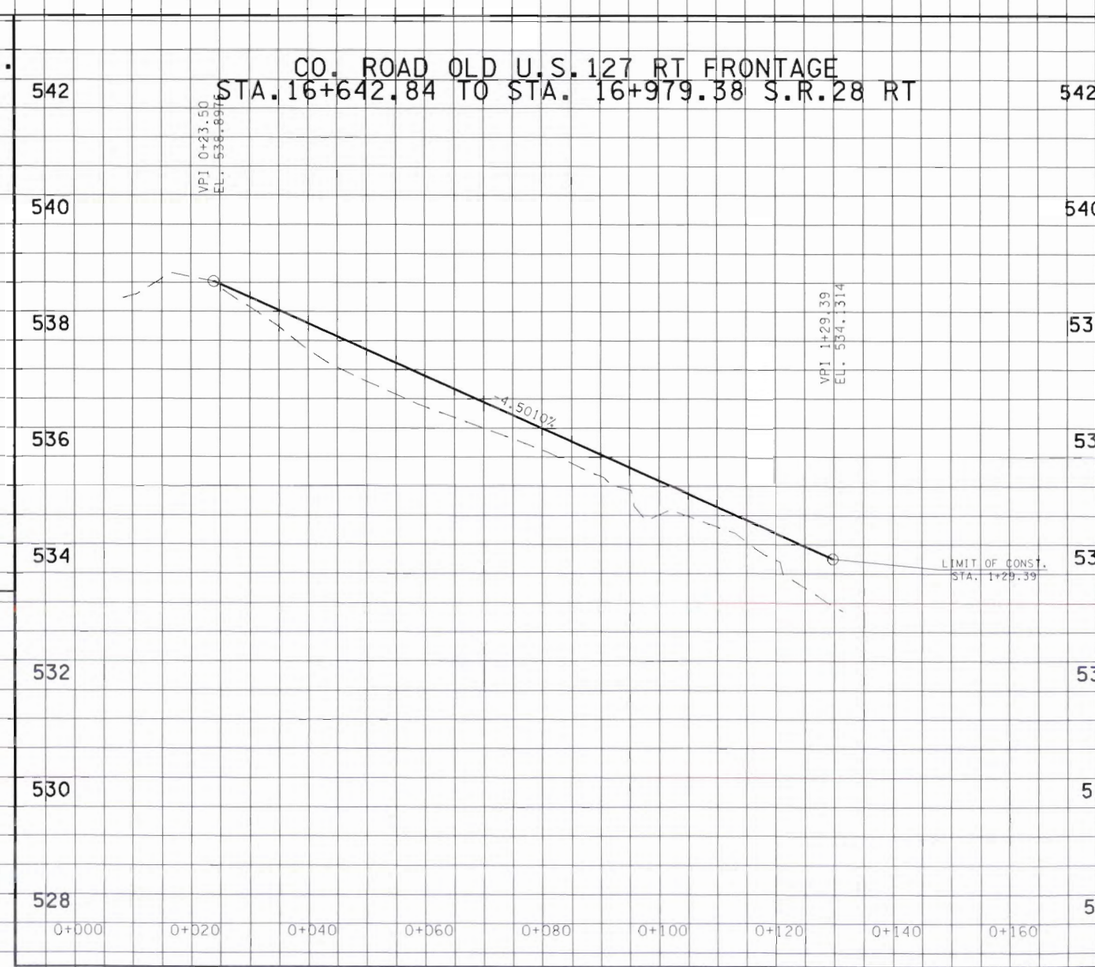
DEEP DRAW RD. RT
STA.0+218.69 S.R.68=STA.0+000.00 DEEP DRAW RD.



CO. ROAD OLD U.S.127 RT
STA.15+600.00 S.R.28=STA.0+000.00 RECTOR AVE.



CO. ROAD OLD U.S.127 RT FRONTAGE
STA.16+642.84 TO STA. 16+979.38 S.R.28 RT



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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

24-FEB-2010 15:46
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.

VPI 1+05.00
EL. 563.1035

VPI 1+16.02
EL. 563.1420

VPI 1+62.36
EL. 563.3059

VPI 2+08.70
EL. 562.1435

VPC 2+24.39
EL. 561.498

VC = 41.8584 m
K = 25
V = 60+ km/h

VPI 2+66.25
EL. 561.0502

VPC 2+81.12
EL. 560.8781

VPT 3+02.12
EL. 560.7510

VPI 3+17.12
EL. 560.4887

VPI 3+63.59
EL. 559.4800

0.3537%

-2.5085%

-0.8342%

1.7423%

CREST 1+27.47
EL. 563.1622

VC = 92.6786 m
K = 32
V = 60+ km/h

VPI 2+45.32
EL. 561.2248

VC = 30.0000 m
K = 33
V = 60+ km/h

570
568
566
564
562
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556
554
552
550
548

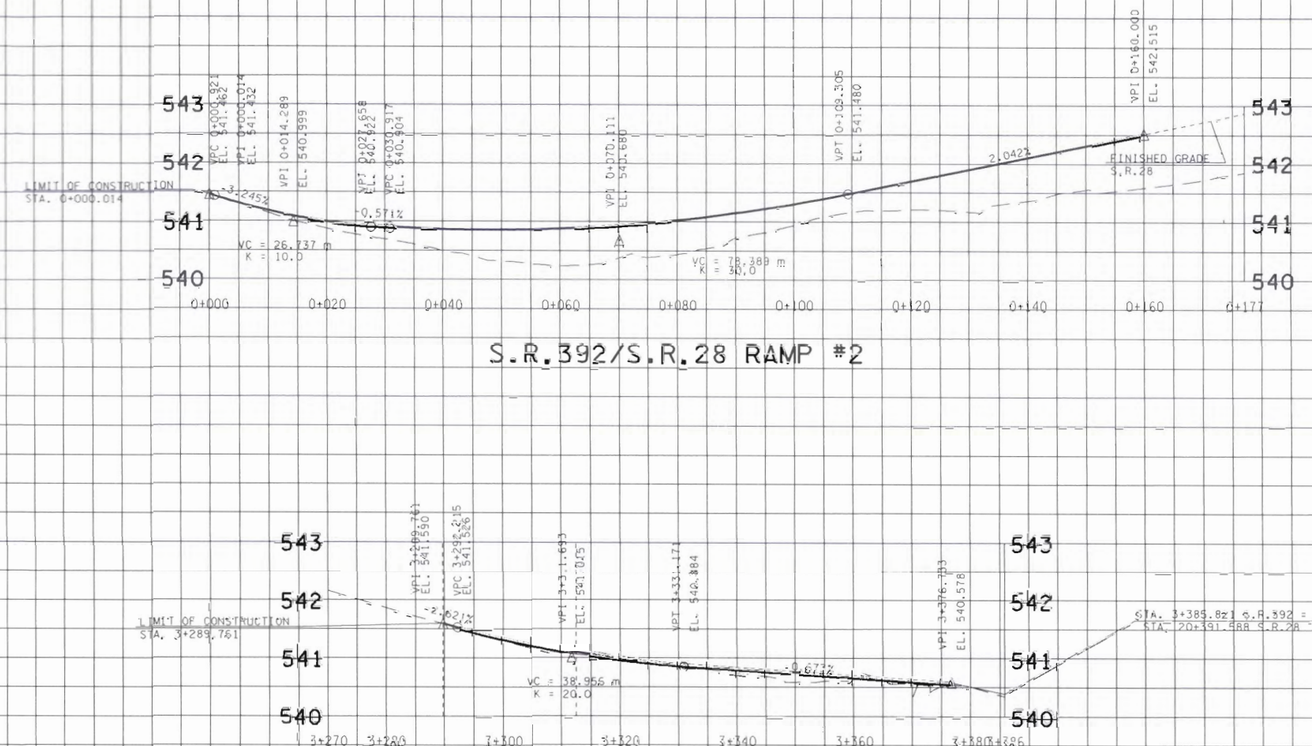
METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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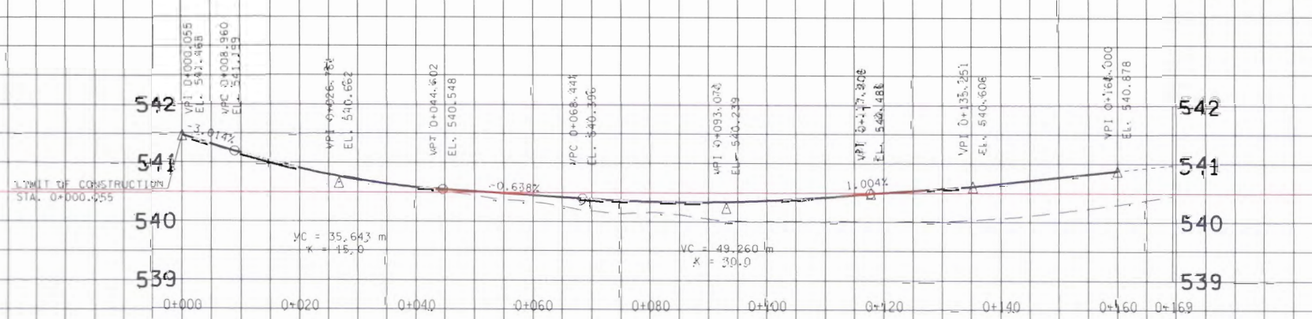
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	27D
CONST.	2009	18006-3210-04	27D



S.R.392/S.R.28 RAMP #2

S.R.392



S.R.392/S.R.28 RAMP #1

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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1:500 HORIZ.
1:50 VERT.

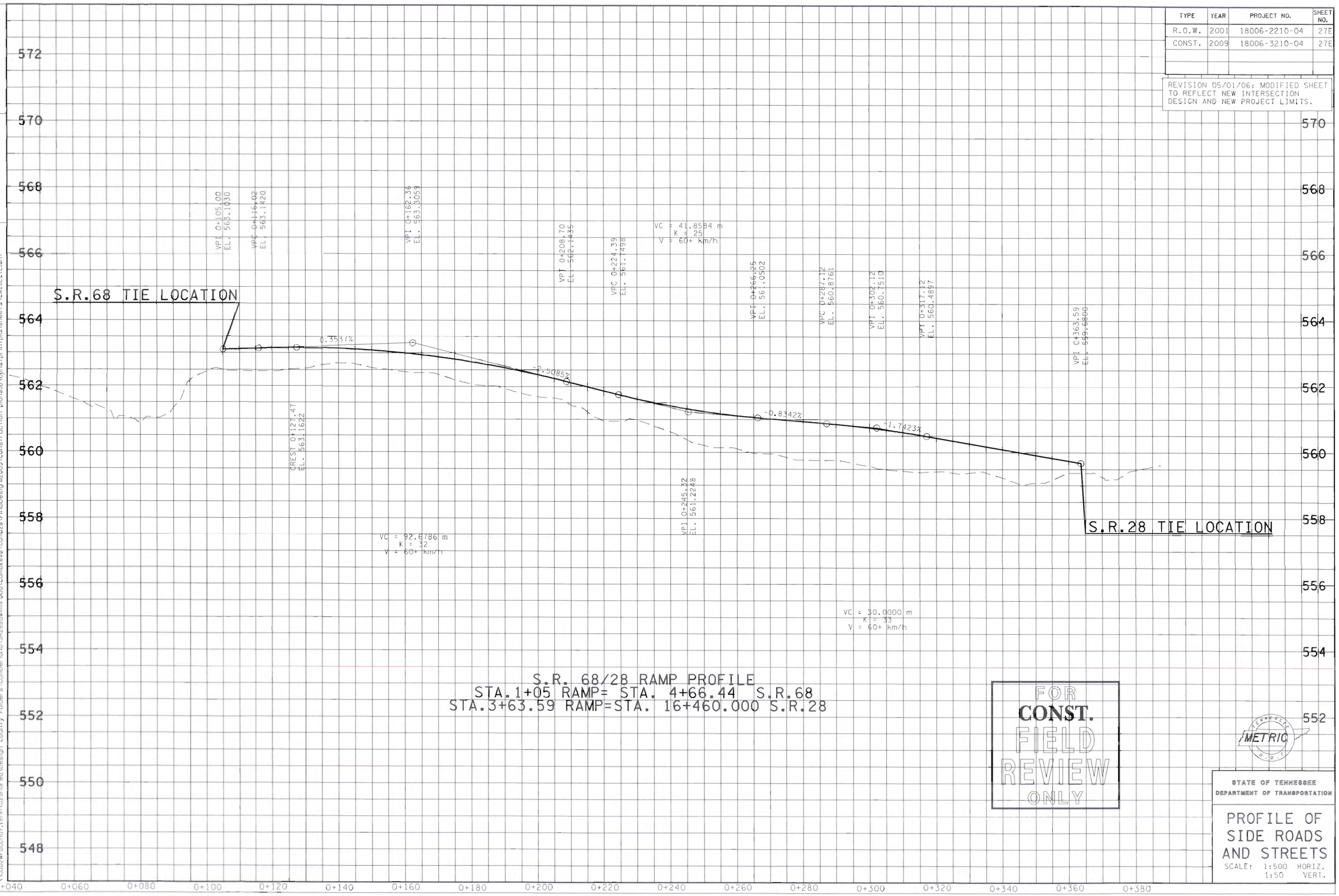
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Survey & Design Division

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	27E
CONST.	2009	18006-3210-04	27E

REVISION 05/01/06: MODIFIED SHEET TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.



S.R. 68/28 RAMP PROFILE
STA.1+05 RAMP= STA. 4+66.44 S.R.68
STA.3+63.59 RAMP=STA. 16+460.000 S.R.28

FOR CONST. FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS
SCALE: 1:500 HORIZ.
1:50 VERT.

24-FEB-2010 15:48
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28A
CONST.	2009	18006-3210-04	28A

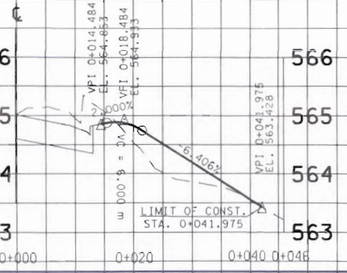
REVISION: 05/01/06 REDESIGNED DRIVEWAYS FROM STA. 15+729 TO 16+098 TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

REVISION: 02/26/07 ADDED DRIVEWAYS STA. 15+765 AND 17+500.

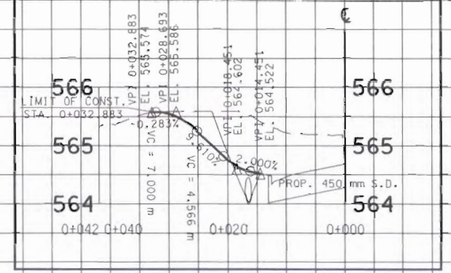
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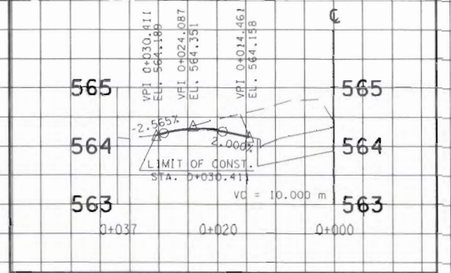
* PVT.DR. STA 15+457 4.6 m RT



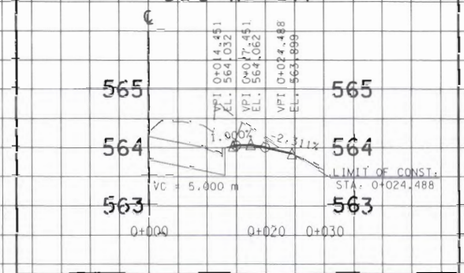
PVT.DR. STA 15+506 3.0 m LT



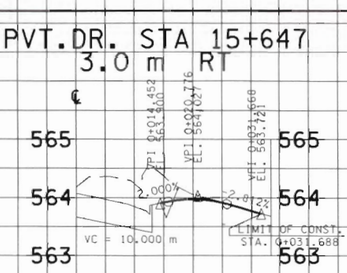
* PVT.DR. STA 15+588 4.8 m LT



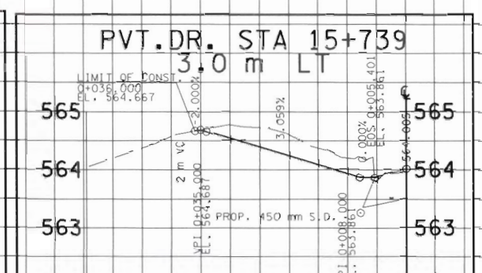
* PVT.DR. STA 15+617 5.3 m RT



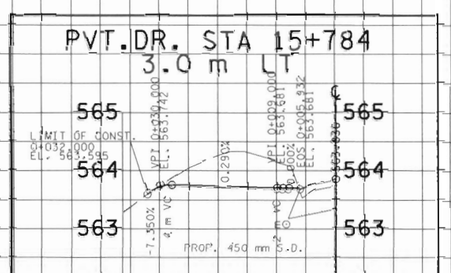
* PVT.DR. STA 15+647 3.0 m RT

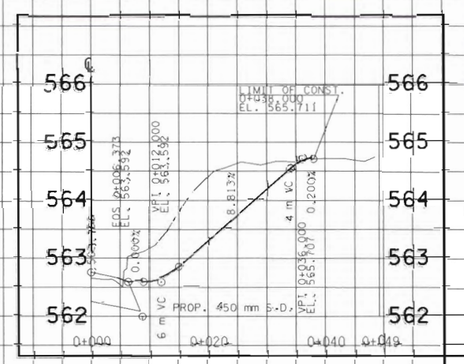


PVT.DR. STA 15+739 3.0 m LT

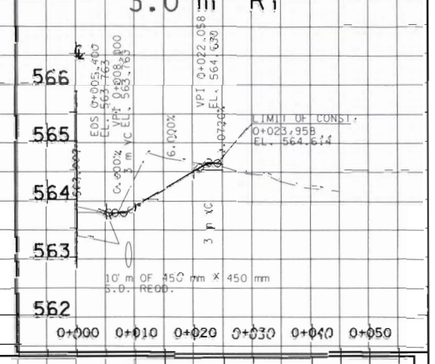


PVT.DR. STA 15+784 3.0 m LT

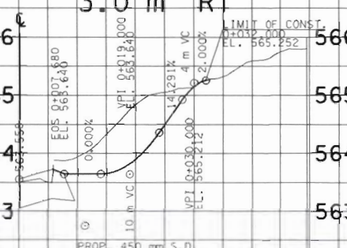




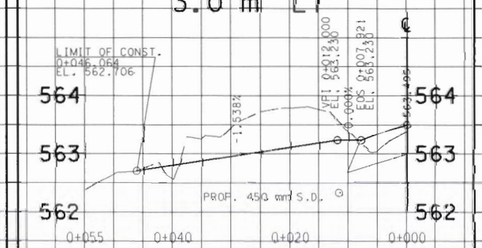
FLD.ENT. STA 15+765 3.0 m RT



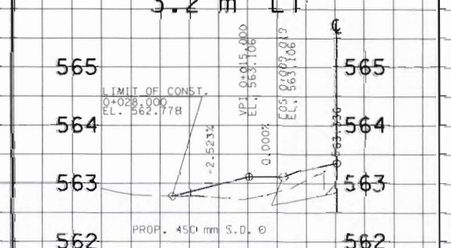
* PVT.DR. STA 15+859 3.0 m RT



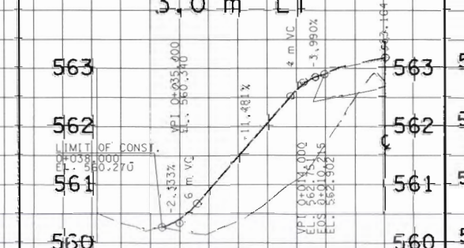
FLD.ENT. STA 15+876 3.0 m LT



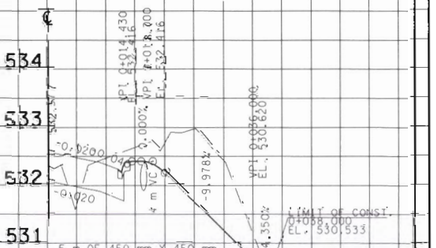
PVT.DR. STA 15+918 3.2 m LT



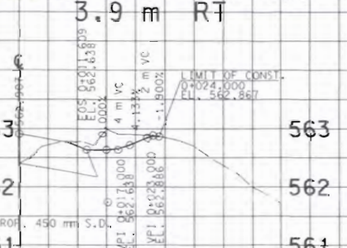
* PVT.DR. STA 15+965 3.0 m LT



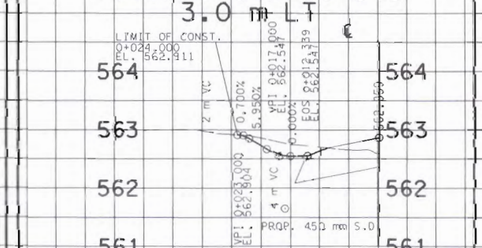
FLD.ENT. STA 17+500 3.0 m RT



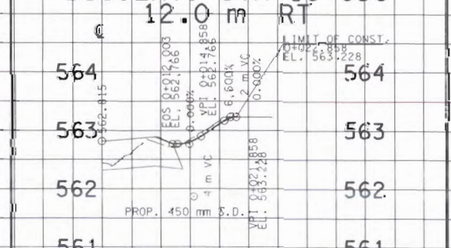
BUS.ENT. STA 16+033 3.9 m RT



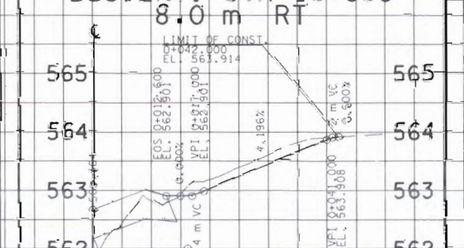
PVT.DR. STA 16+046 3.0 m LT



BUS.ENT. STA 16+058 12.0 m RT



BUS.ENT. STA 16+098 8.0 m RT



FOR CONST.
FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

24-FEB-2010 15:48
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

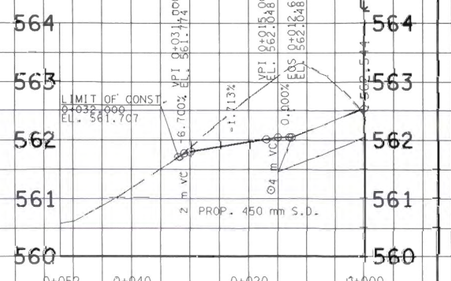
REVISION: 02/26/07 MODIFIED BUS. ENT. STA.16+433. REPLACED BUS. ENT. STA. 16+408 WITH BUS. ENT. STA. 16+400.64.

REVISION: 1/06/03 ADDED 8m BUS. ENT. AT STA 16+410 LT.

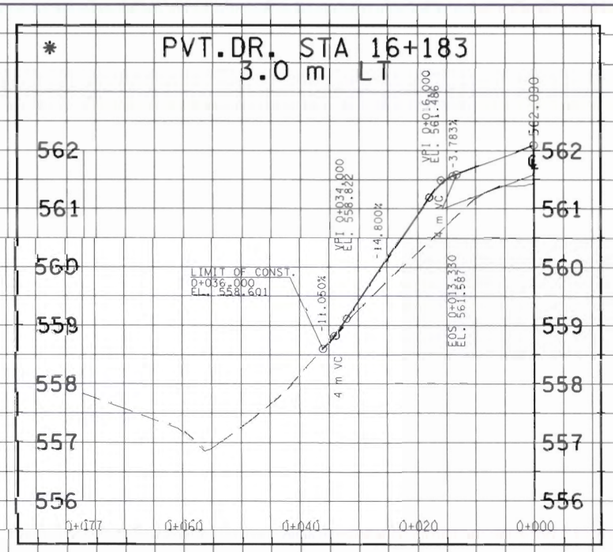
REVISION: 05/01/06 REDESIGNED ALL DRIVEWAYS TO REFLECT NEW INTER-SECTION DESIGN AND NEW PROJECT LIMITS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28B
CONST.	2009	18006-3210-04	28B

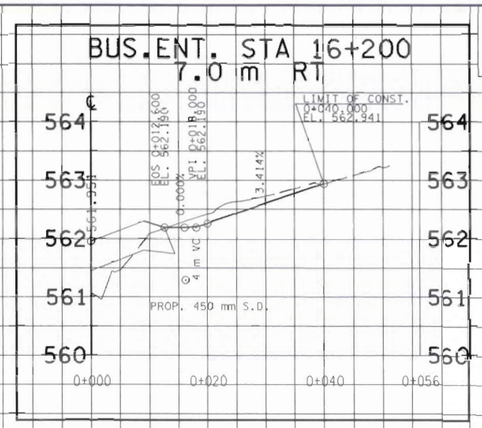
PVT.DR. STA 16+122
3.1 m LT



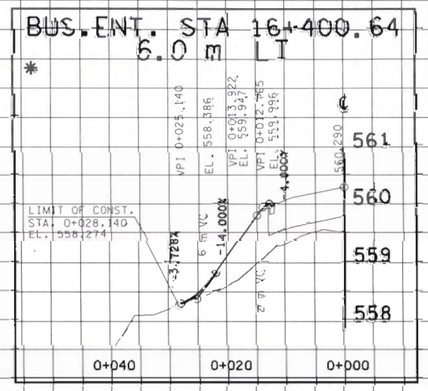
* PVT.DR. STA 16+183
3.0 m LT



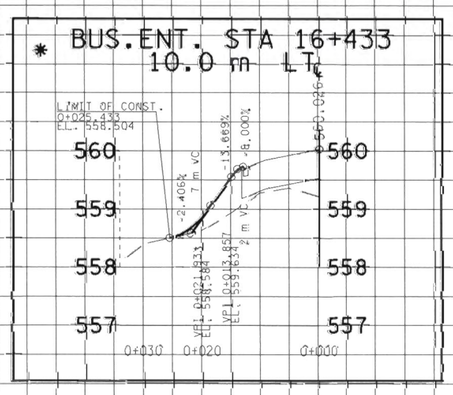
BUS.ENT. STA 16+200
7.0 m RT



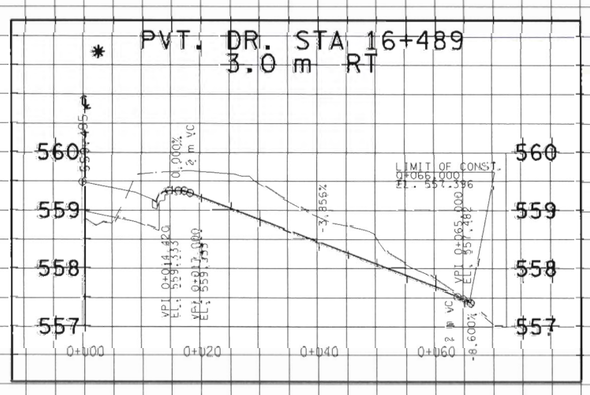
BUS.ENT. STA 16+400.64
6.0 m LT



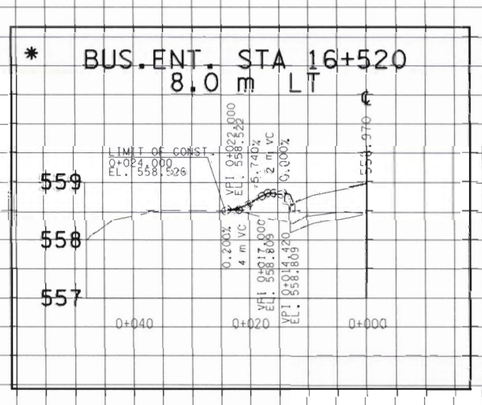
* BUS.ENT. STA 16+433
10.0 m LT



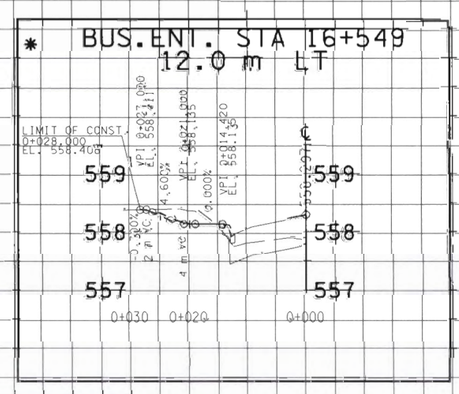
* PVT. DR. STA 16+489
3.0 m RT



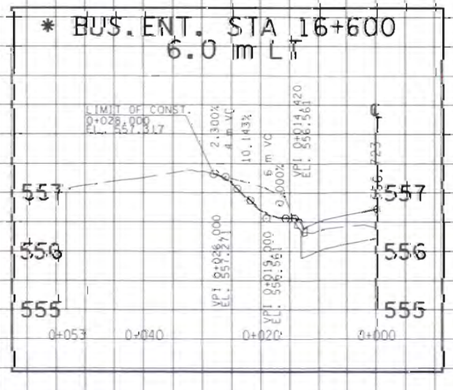
* BUS.ENT. STA 16+520
8.0 m LT



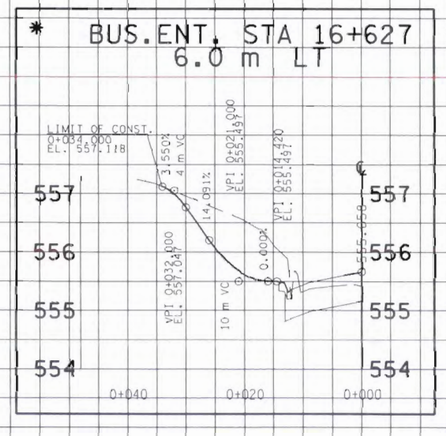
* BUS.ENT. STA 16+549
12.0 m LT



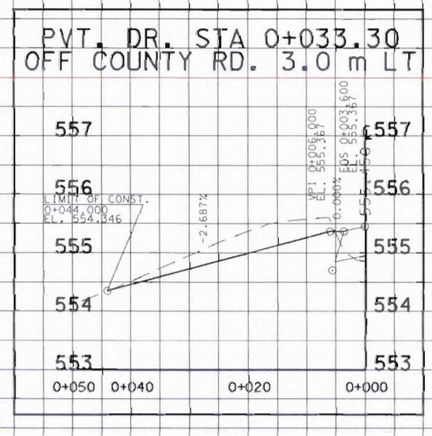
* BUS.ENT. STA 16+600
6.0 m LT



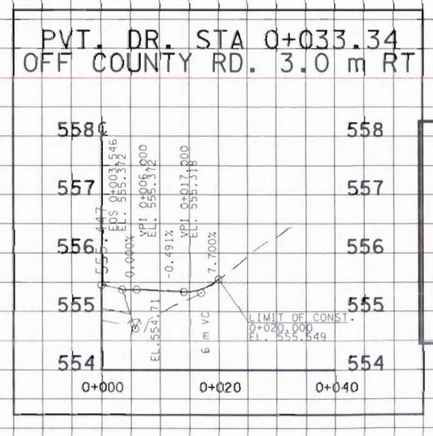
* BUS.ENT. STA 16+627
6.0 m LT



PVT. DR. STA 0+033.30
OFF COUNTY RD. 3.0 m LT



PVT. DR. STA 0+033.34
OFF COUNTY RD. 3.0 m RT



NOTE

* NO SD. REQUIRED

FOR CONST. FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

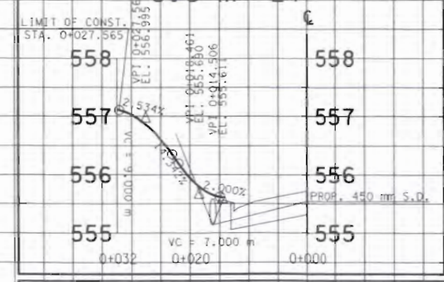
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TENNESSEE D.O.T.
DESIGN DIVISION

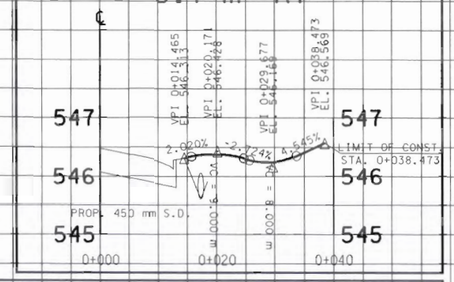
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	280

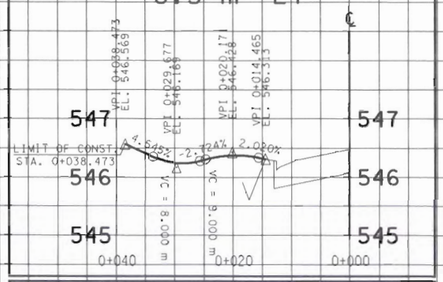
BUS. ENT. STA 16+627
6.0 m LT



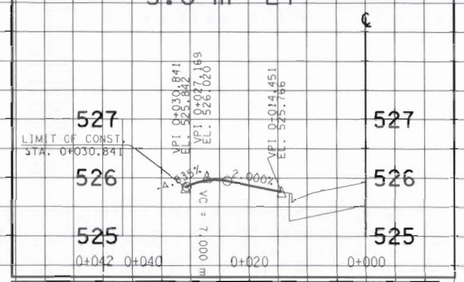
PVT. ENT. STA 16+800
3.7 m RT



CO RD ENT. STA 17+297
6.3 m LT



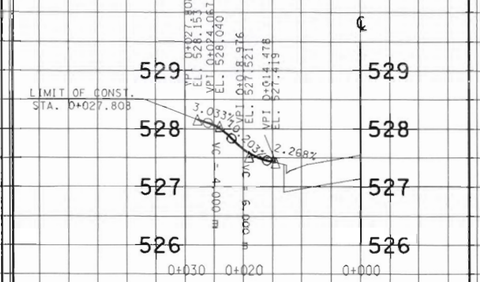
* FLD. ENT. STA 17+320
5.0 m LT



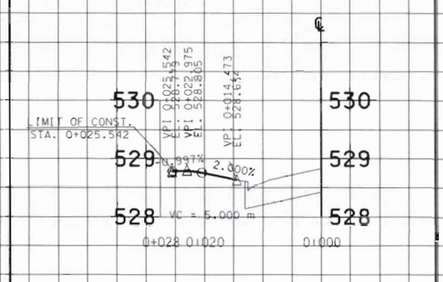
* FLD. ENT. STA 17+340
3.5 m RT



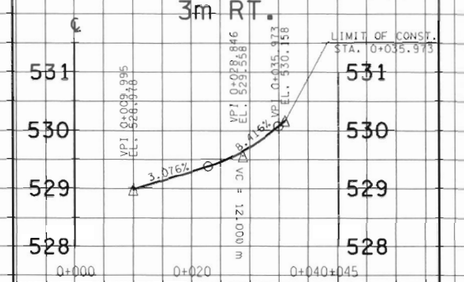
* BUS. ENT. STA 17+364
7.0 m LT



* BUS. ENT. STA 17+397
12.0 m LT



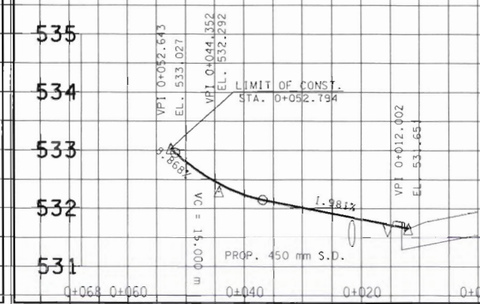
* PVT. ENT. STA 00+012.312
OFF OF BUS. ENT 17+397
3m RT.



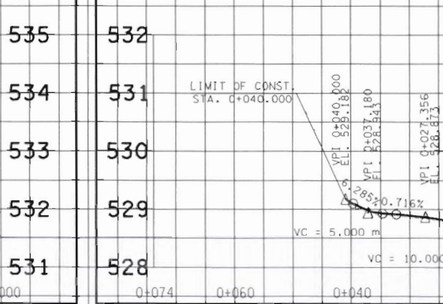
NOTE

* NO SD. REQUIRED

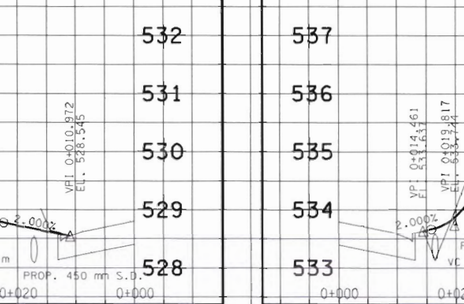
FRONTAGE LOOP ENT. STA 17+479
5.0 m LT



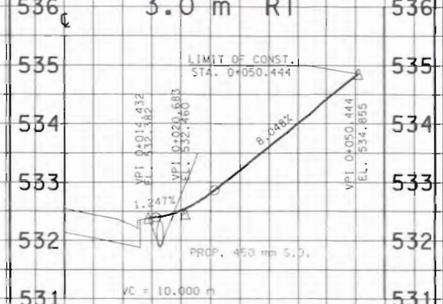
FRONTAGE LOOP ENT. STA 17+479
5.5 m LT



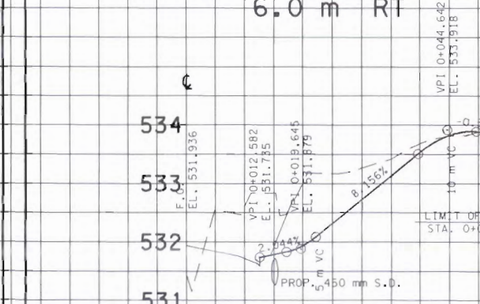
BUS. ENT. STA 17+580
12.0 m RT



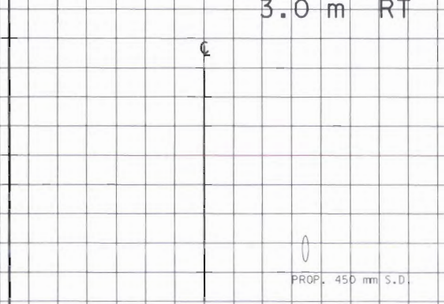
PVT. ENT. STA 17+689
3.0 m RT



BUS. ENT. STA 17+710.000
6.0 m RT



PVT. ENT. STA 17+824
3.0 m RT



METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Data Division

24-FEB-2005 15:48
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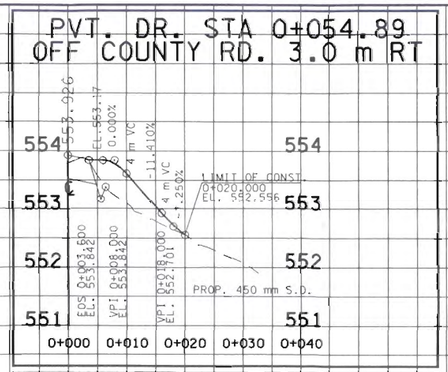
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28C
CONST.	2009	18006-3210-04	28C

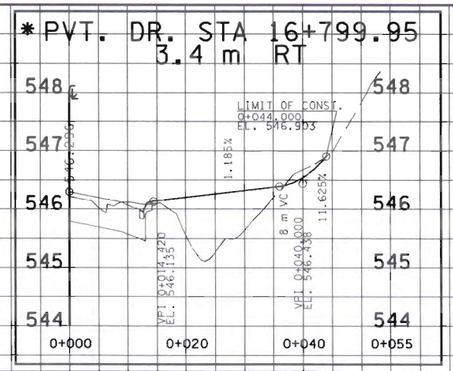
REVISION: 1/06/03 DELETED 6M BUSINESS ENTRANCE AT STA. 17+809.5 RT. ADDED 6M BUSINESS ENTRANCE AT STA. 17+710 RT. DELETED 3.0m PVT. ENT. AT STA.17+824 RT. ADDED 6m BUS. ENT. AT STA. 17+798 RT.

REVISION: 05/01/06 REDESIGNED DRIVEWAYSAT STA. 16+799 AND STA. 0+054 TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

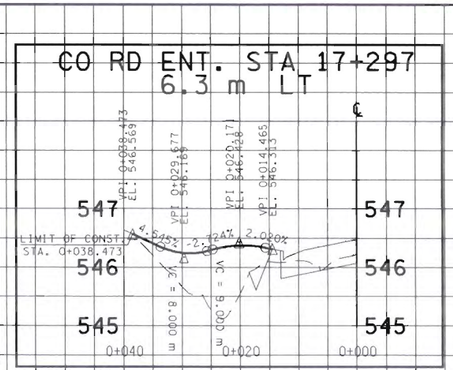
PVT. DR. STA 0+054.89 OFF COUNTY RD. 3.0 m RT



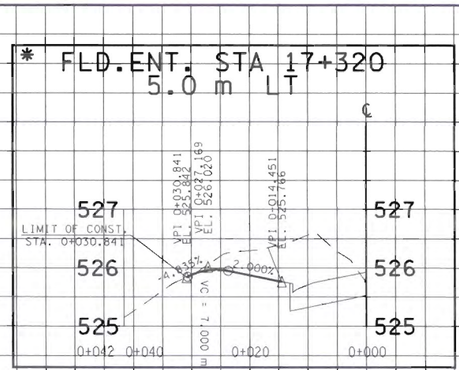
* PVT. DR. STA 16+799.95 3.4 m RT



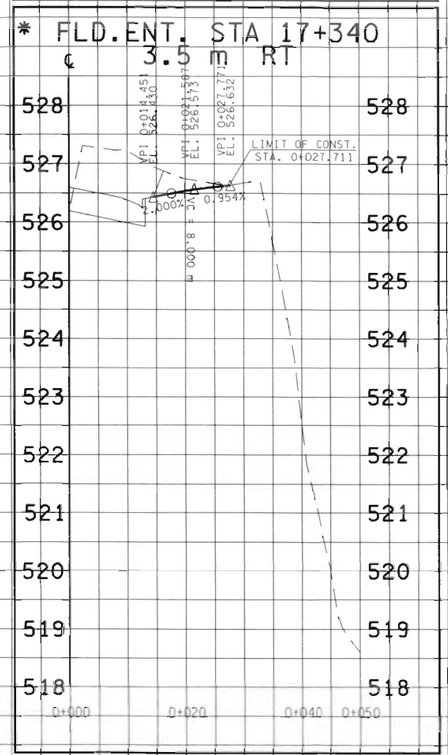
CO RD ENT. STA 17+297 6.3 m LT



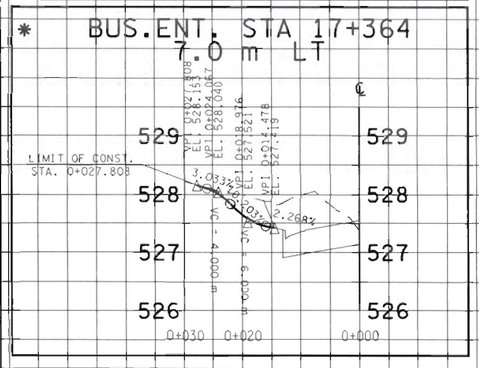
* FLD.ENT. STA 17+320 5.0 m LT



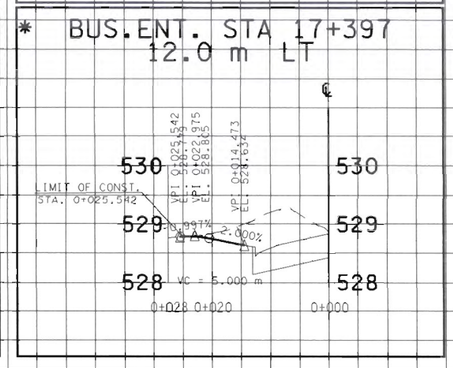
* FLD.ENT. STA 17+340 3.5 m RT



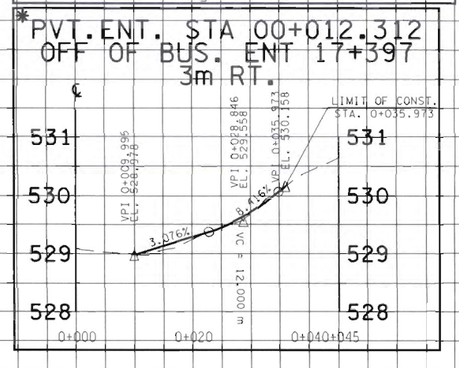
* BUS.ENT. STA 17+364 7.0 m LT



* BUS.ENT. STA 17+397 12.0 m LT



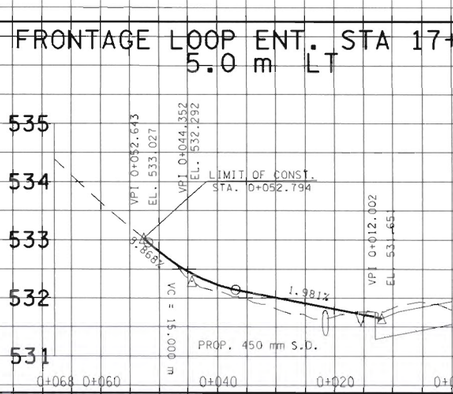
* PVT.ENT. STA 00+012.312 OFF OF BUS. ENT 17+397 3m RT.



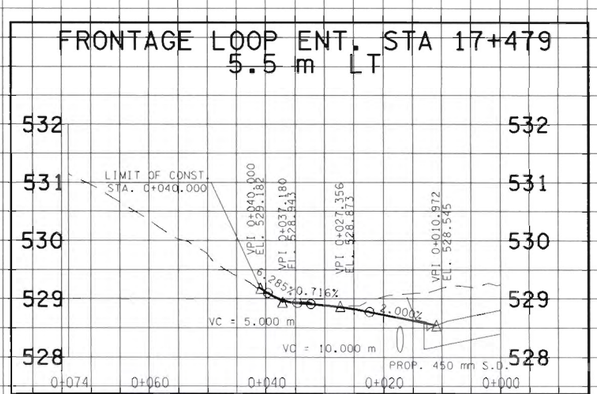
NOTE

* NO SD. REQUIRED

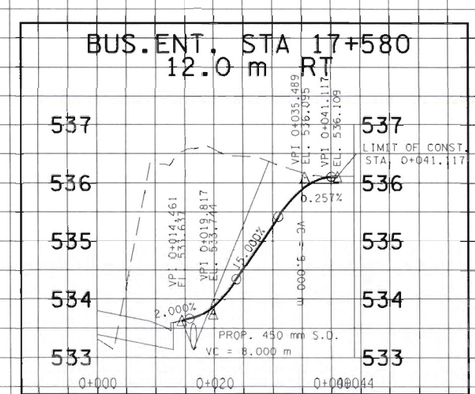
FRONTAGE LOOP ENT. STA 17+479 5.0 m LT



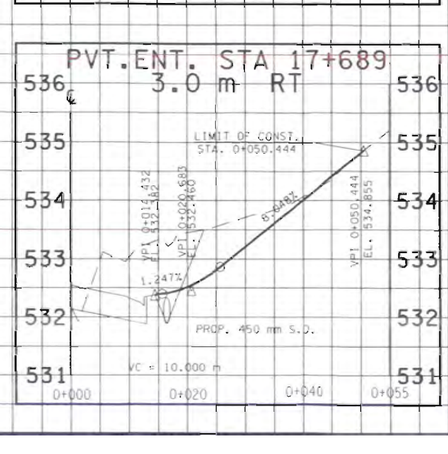
FRONTAGE LOOP ENT. STA 17+479 5.5 m LT



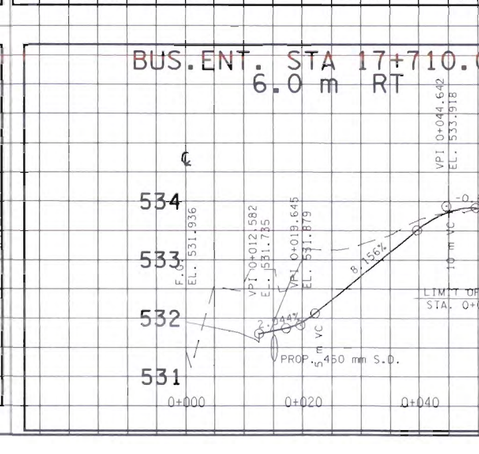
BUS.ENT. STA 17+580 12.0 m RT



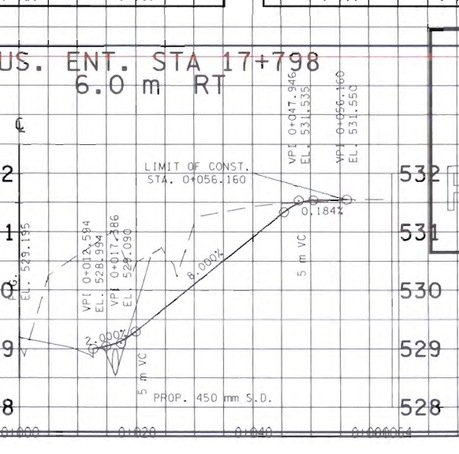
PVT.ENT. STA 17+689 3.0 m RT



BUS.ENT. STA 17+710.000 6.0 m RT



BUS. ENT. STA 17+798 6.0 m RT



FOR CONST. FIELD REVIEW ONLY

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DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

24-FEB-2010 15:48
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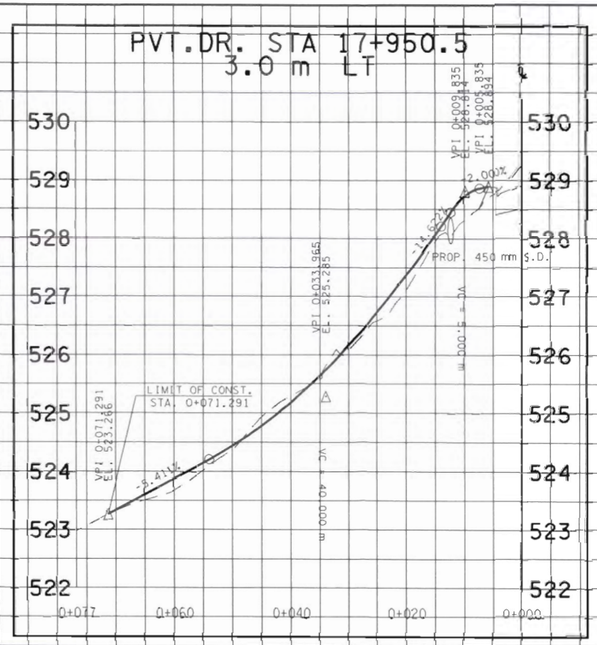
Survey & Design Division

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

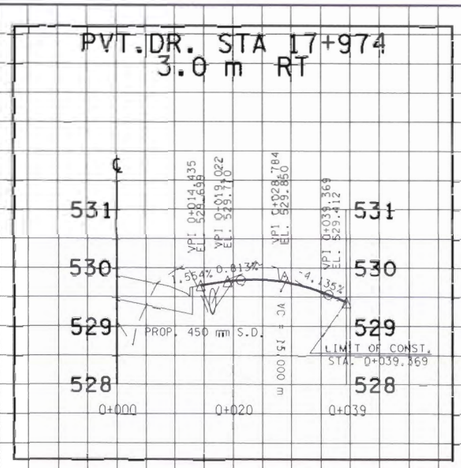
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28D
CONST.	2009	18006-3210-04	28D

REVISION 11/02/07: DELETED PRIVATE DR. RT. STA. 18+398. ADDED PRIVATE DR. RT. STA. 18+398.

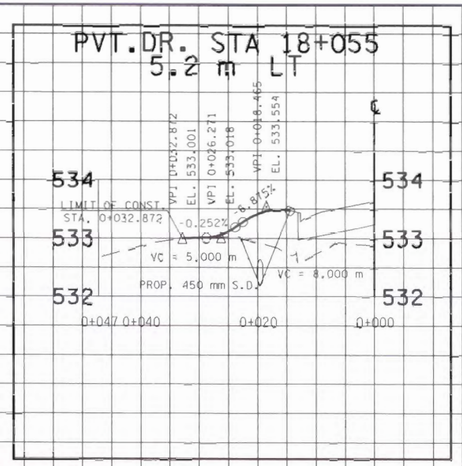
PVT.DR. STA 17+950.5 3.0 m LT



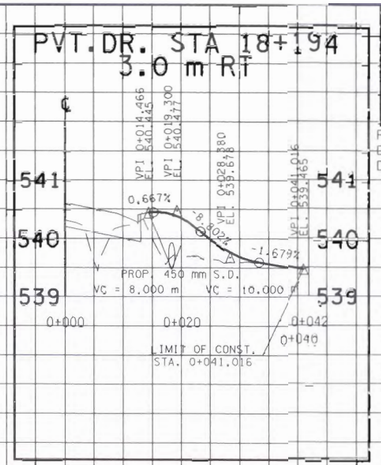
PVT.DR. STA 17+974 3.0 m RT



PVT.DR. STA 18+055 5.2 m LT



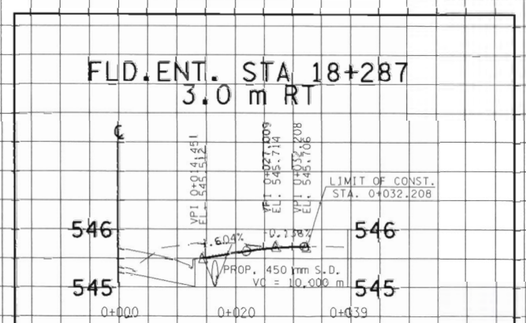
PVT.DR. STA 18+194 3.0 m RT



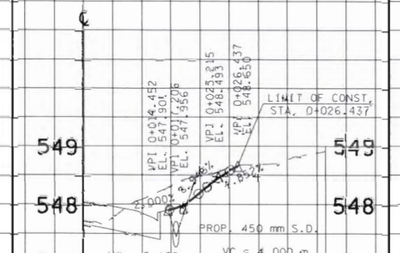
NOTE

* NO SD. REQUIRED

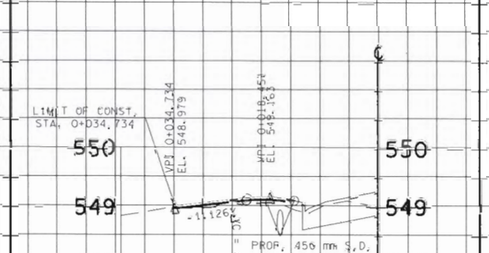
FLD.ENT. STA 18+287 3.0 m RT



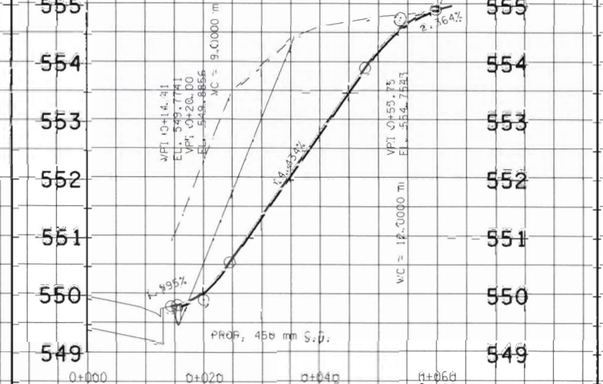
BUS.ENT. STA 18+340 12.0 m RT



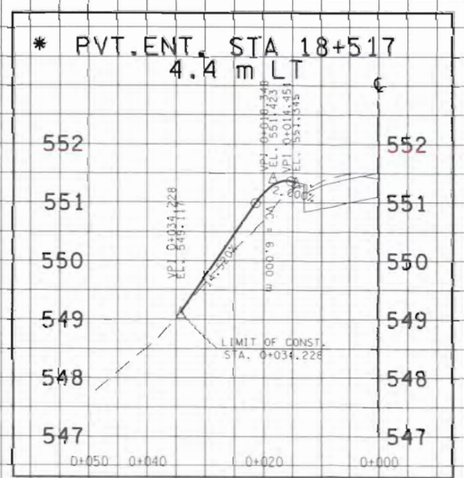
BUS.ENT. STA 18+374 10.0 m LT



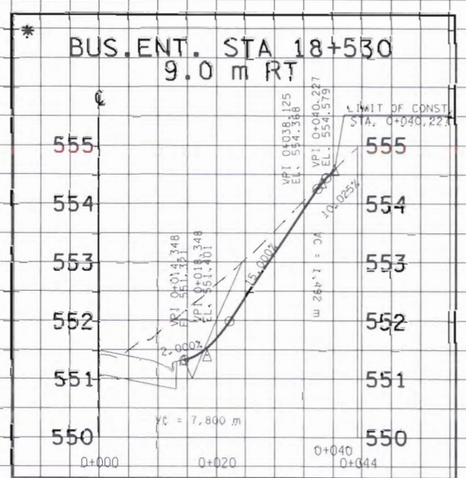
PVT.ENT. STA 18+398 3.0 m RT



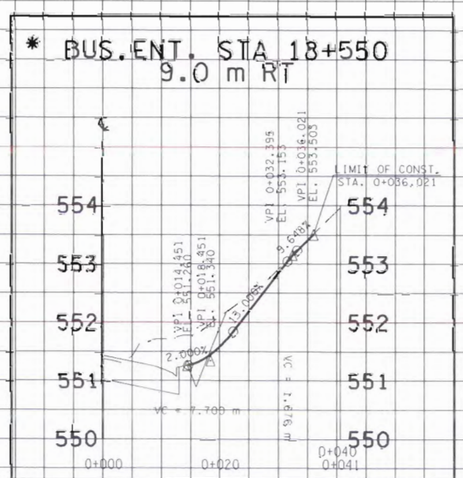
* PVT.ENT. STA 18+517 4.4 m LT



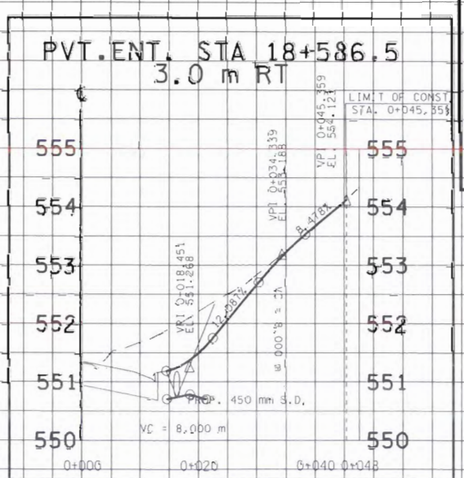
* BUS.ENT. STA 18+530 9.0 m RT



* BUS.ENT. STA 18+550 9.0 m RT



PVT.ENT. STA 18+586.5 3.0 m RT



FOR CONST.
FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

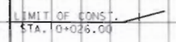
SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

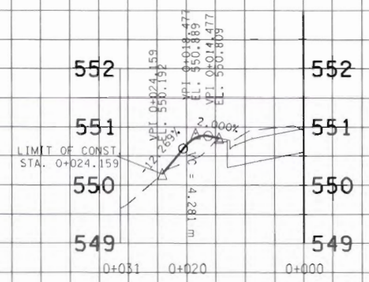
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

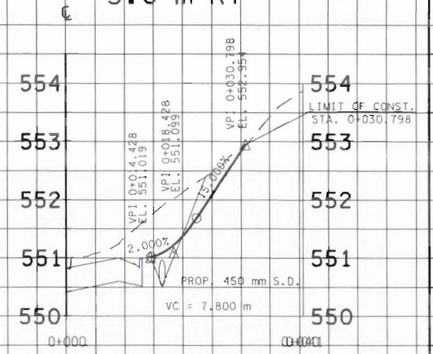
* BUS.ENT. STA 18+650.012 6.0 m LT



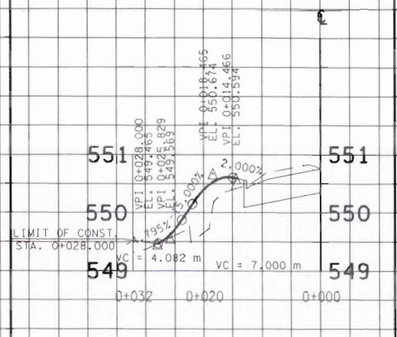
* BUS.ENT. STA 18+667 10.0 m LT



PVT.ENT. STA 18+706 3.0 m RT



* BUS.ENT. STA 18+723 9.0 m LT

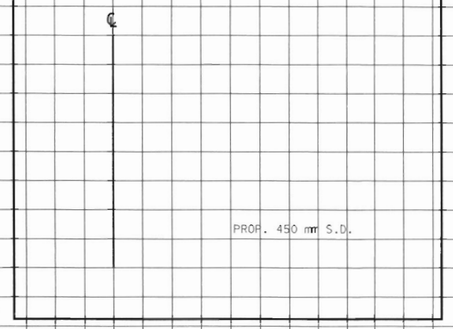


TYPE	YEAR	PROJECT NO.	SHEET NO.
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CONST.	2009	18006-3210-04	28E

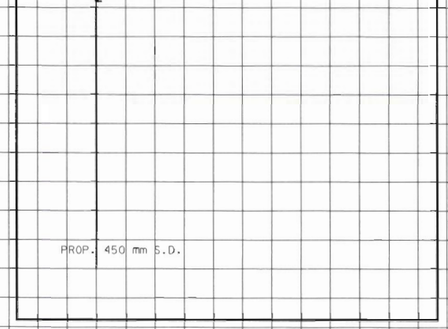
REVISION: 08/05/02: DELETED 6m BUSINESS ENTRANCE LEFT AT STA. 18+618.5. ADDED 6m BUSINESS ENTRANCE LEFT AT STA. 18+650.012.

REVISION: 05/12/03: DELETED 6m BUSINESS ENTRANCE RIGHT AT STA. 18+727. ADDED 8m BUSINESS ENTRANCE RIGHT AT STA. 18+721. DELETED 6m BUSINESS ENT. RIGHT AT STA. 18+753.5. ADDED 8m BUS. ENTRANCE RIGHT AT STA. 18+751.

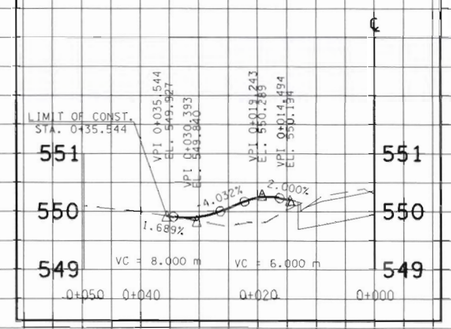
BUS.ENT. STA 18+721 8.0 m RT



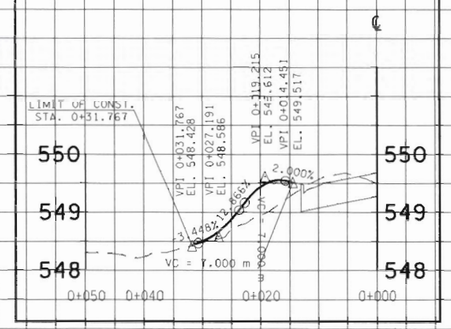
BUS.ENT. STA 18+751 8.0 m RT



* PVT.ENT. STA 18+828 3.0 m LT



* BUS.ENT. STA 19+011 7.2 m LT

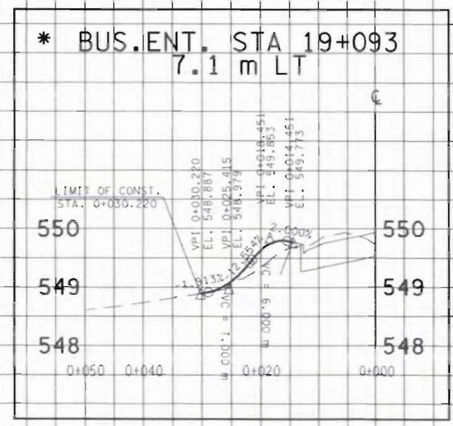


FOR CONST. FIELD REVIEW ONLY

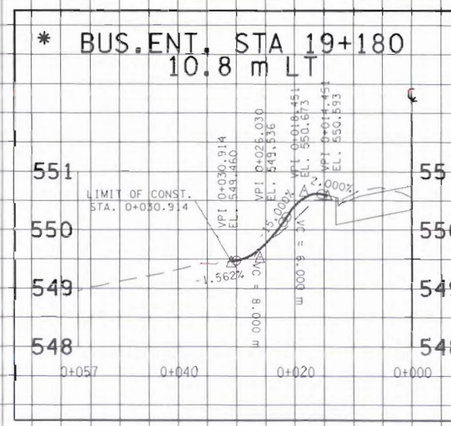
NOTE

* NO SD. REQUIRED

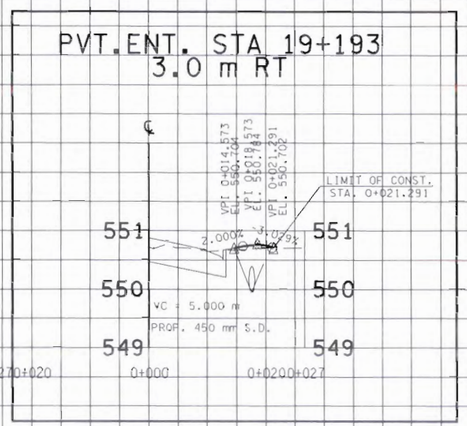
* BUS.ENT. STA 19+093 7.1 m LT



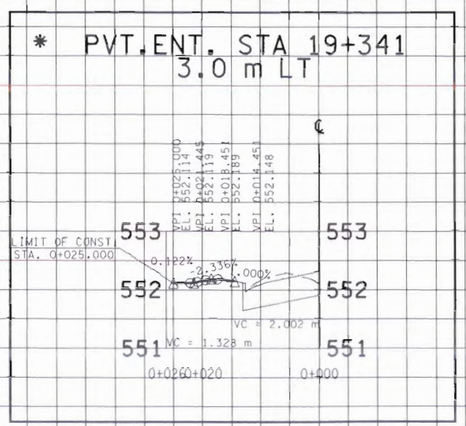
* BUS.ENT. STA 19+180 10.8 m LT



PVT.ENT. STA 19+193 3.0 m RT



* PVT.ENT. STA 19+341 3.0 m LT



METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

24-FEB-2010 15:48
\\J02WF01\chat_team\02Shared\Design County Folders\Cumberland\SR28sdwmillrood\cumb28v8\cumb28\FinalDesign\28E_sht

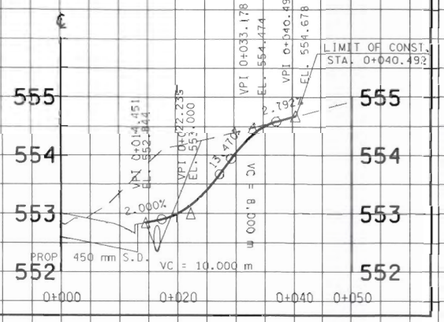
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28F
CONST.	2009	18006-3210-04	28F

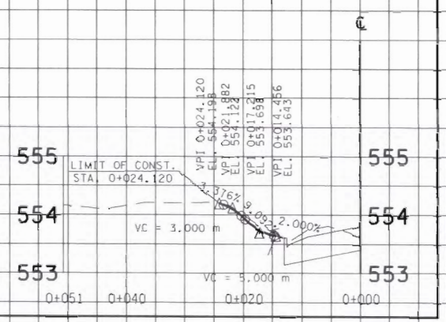
REVISION: 05/12/03 DELETED 3m PVT. DRV. ENTRANCE RIGHT AT STA. 19+570. ADDED 6m PVT. DRV. ENTRANCE RIGHT AT STA. 19+570

FOR CONST. FIELD REVIEW ONLY

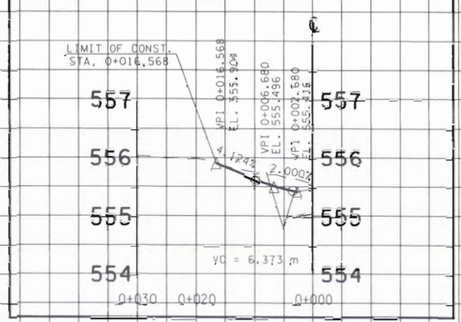
PVT.ENT. STA 19+413 3.0 m RT



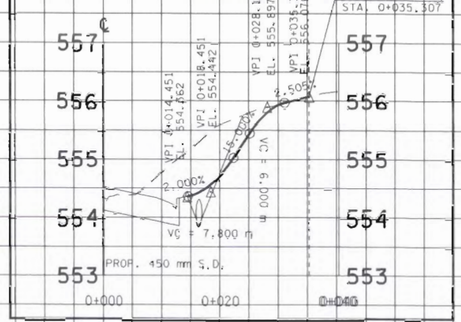
* PVT.ENT. STA 19+496 3.0 m LT



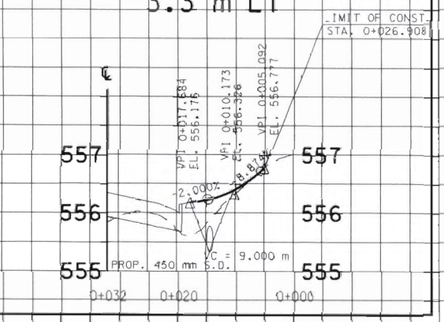
PVT.ENT. STA 2+162.5 OFF MALVER DR 3.0m LT



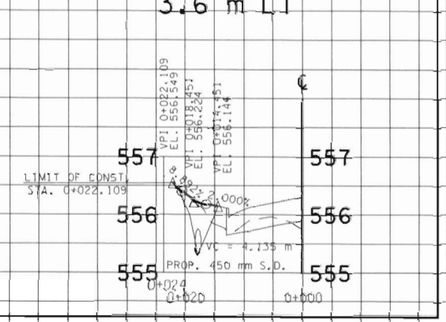
PVT.ENT. STA 19+570 6.0m RT



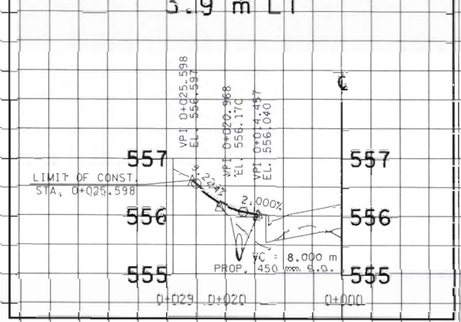
PVT.ENT. STA 19+777 3.3 m LT



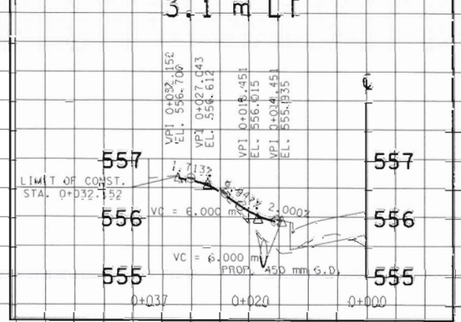
BUS.ENT. STA 19+789.5 3.6 m LT



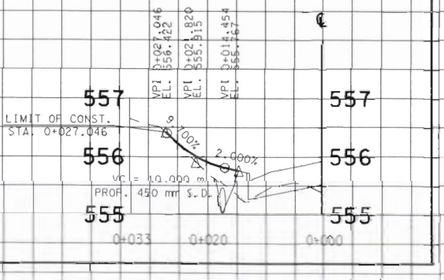
BUS.ENT. STA 19+806 3.9 m LT



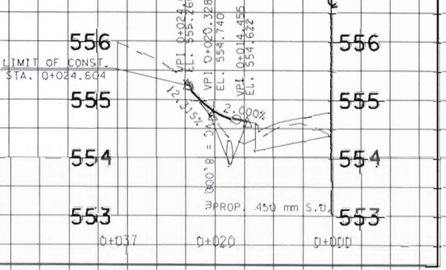
PVT.ENT. STA 19+817 3.1 m LT



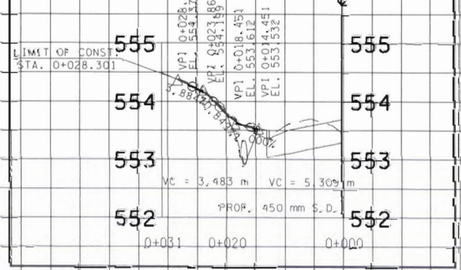
PVT.ENT. STA 19+830 3.1 m LT



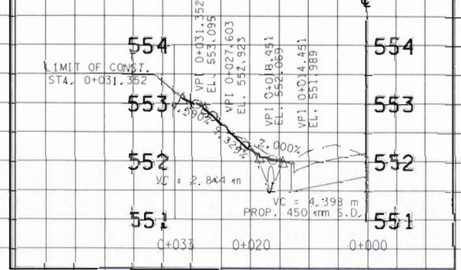
PVT.ENT. STA 19+881.5 3.1 m LT



BUS.ENT. STA 19+914 9.0 m LT



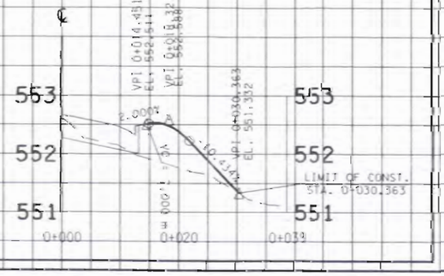
BUS.ENT. STA 19+955.5 9.0 m LT



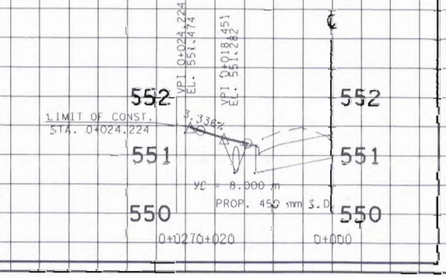
NOTE

* NO SD. REQUIRED

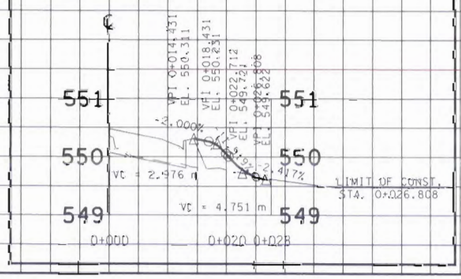
* PVT.ENT. STA 19+941.5 5.0 m RT



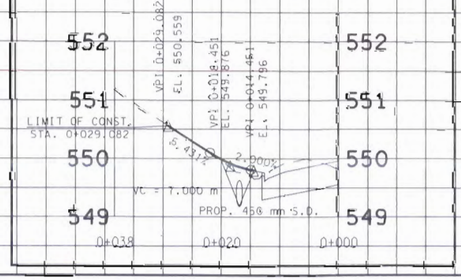
BUS.ENT. STA 19+777 9.7 m LT



* PVT.ENT. STA 20+000 3.0 m RT



PVT.ENT. STA 20+014 6.5 m LT



METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

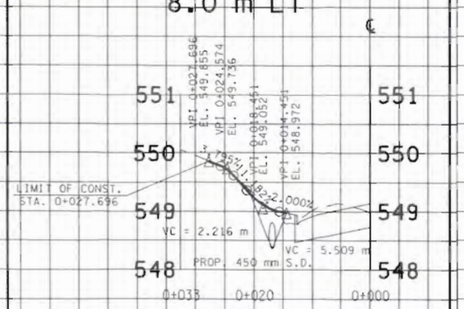
Survey & Design Division

24-FEB-2010 15:48
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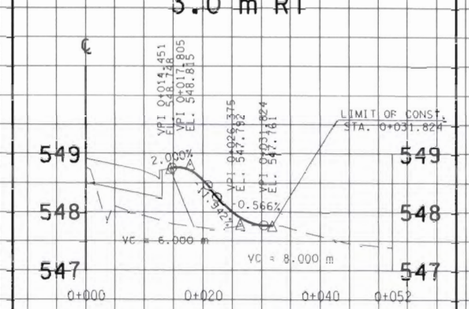
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	280
CONST.	2009	18006-3210-04	280

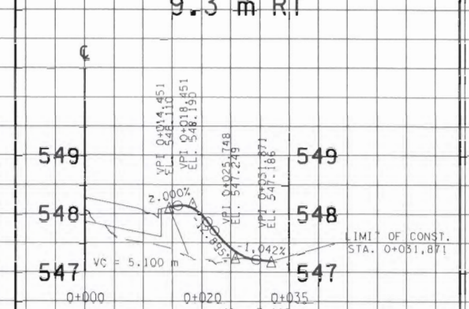
BUS.ENT. STA 20+036
8.0 m LT



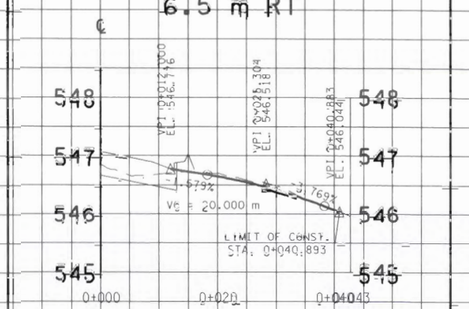
* PVT.ENT. STA 20+042
3.0 m RT



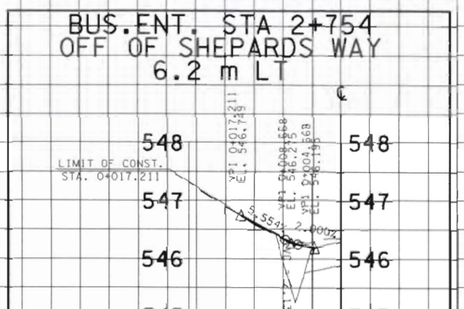
* BUS.ENT. STA 20+059
9.3 m RT



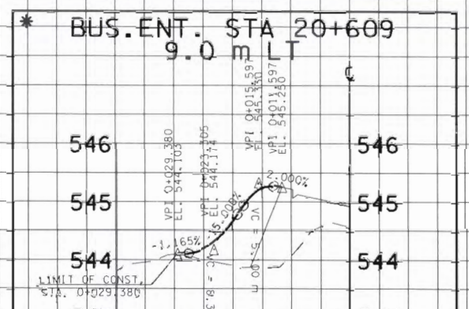
* PVT.ENT. STA 20+478
6.5 m RT



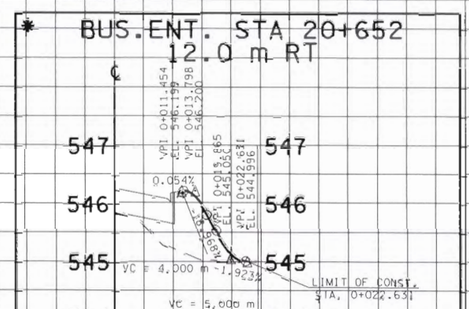
BUS.ENT. STA 2+754
OFF OF SHEPARDS WAY
6.2 m LT



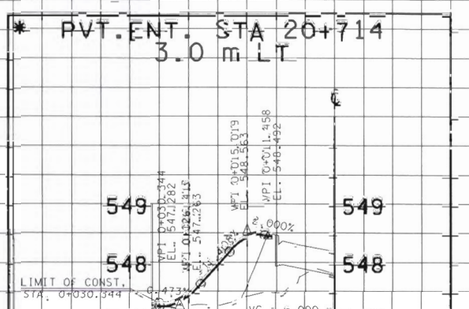
* BUS.ENT. STA 20+609
9.0 m LT



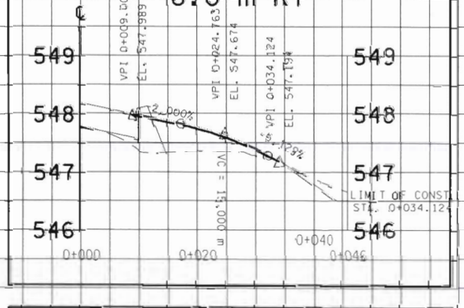
* BUS.ENT. STA 20+652
12.0 m RT



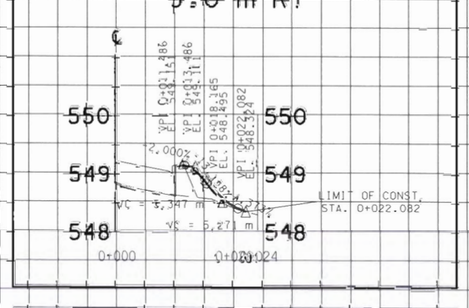
* PVT.ENT. STA 20+714
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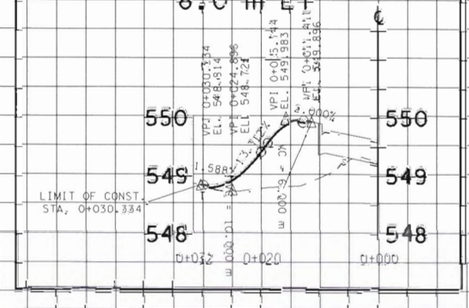
* BUS.ENT. STA 20+714.5
6.0 m RT



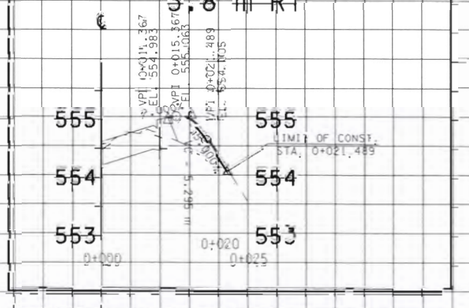
* BUS.ENT. STA 20+745.5
9.0 m RT



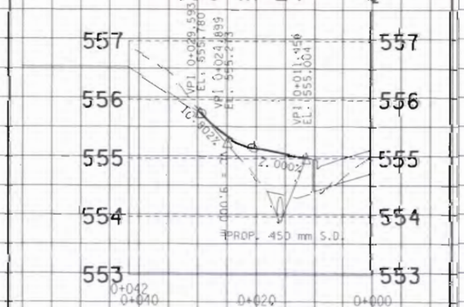
* BUS.ENT. STA 20+758
8.0 m LT



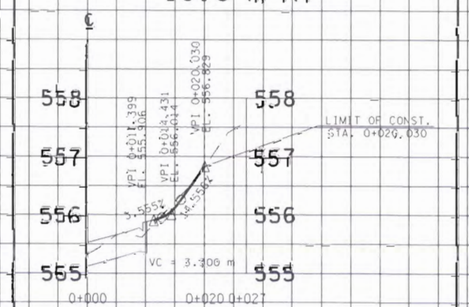
* PVT.ENT. STA 21+030
3.8 m RT



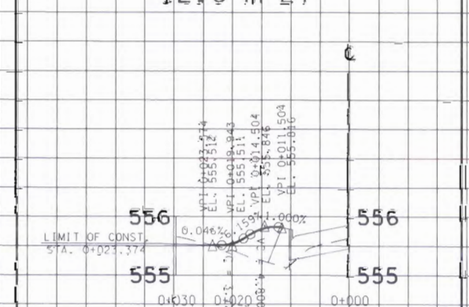
PVT.ENT. STA 21+142
4.0 m LT



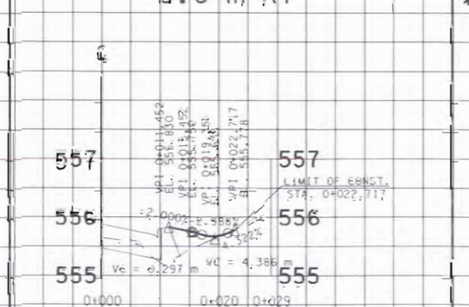
* BUS.ENT. STA 21+215
10.0 m RT



* BUS.ENT. STA 21+280.4
12.0 m LT



* BUS.ENT. STA 21+283
9.0 m RT



FOR CONST. FIELD REVIEW ONLY

NOTE

* NO SD. REQUIRED

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

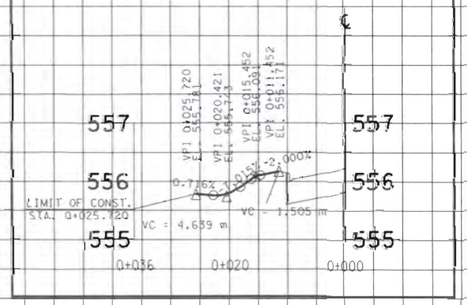
Survey & Design Division

24-FEB-2010 15:49
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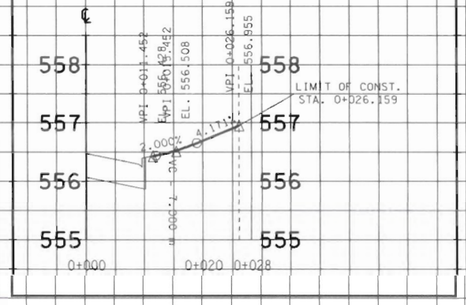
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28H

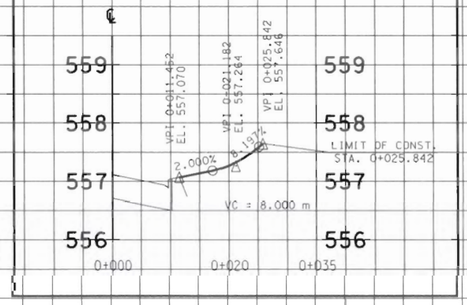
* BUS.ENT. STA 21+330 12.0 m LT



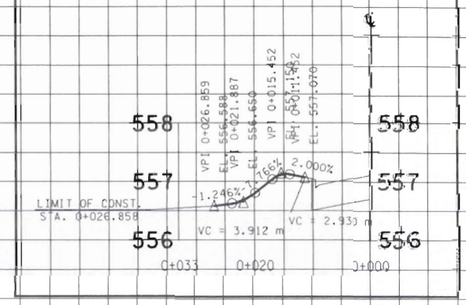
* BUS.ENT. STA 21+346 8.6 m RT



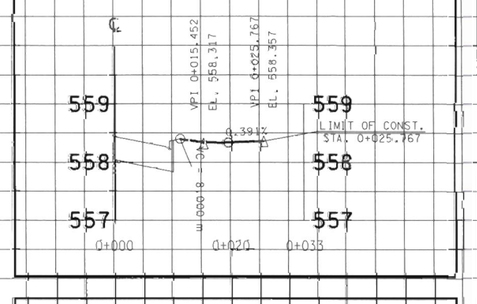
* BUS.ENT. STA 21+371 7.4 m RT



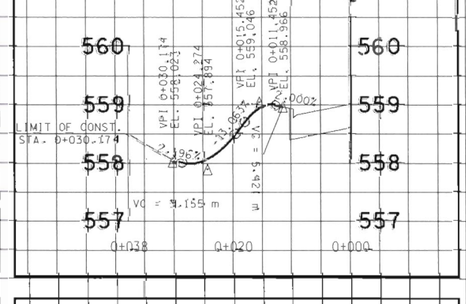
* BUS.ENT. STA 21+372 12.0 m LT



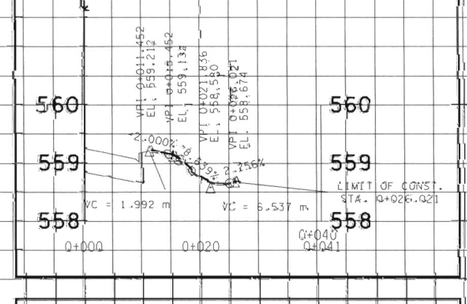
* BUS.ENT. STA 21+408 7.2 m RT



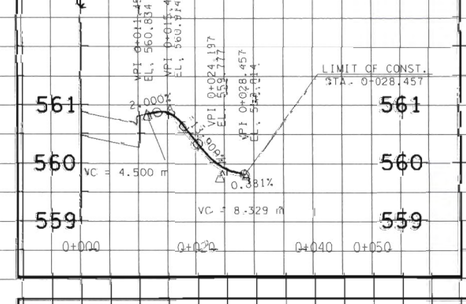
* BUS.ENT. STA 21+420.6 12.0 m LT



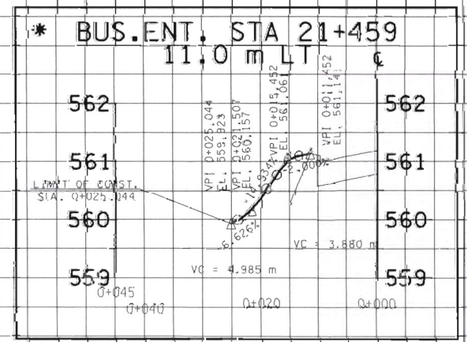
* BUS.ENT. STA 21+425.3 8.0 m RT



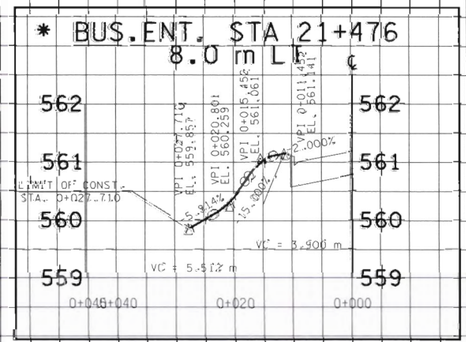
* BUS.ENT. STA 21+454 8.0 m RT



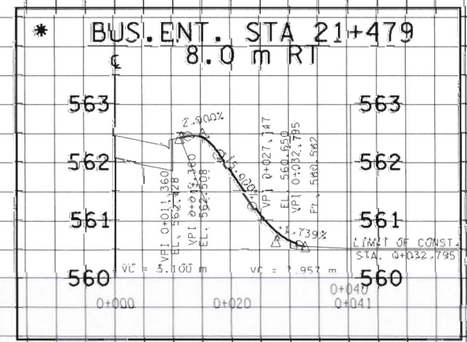
* BUS.ENT. STA 21+459 11.0 m LT



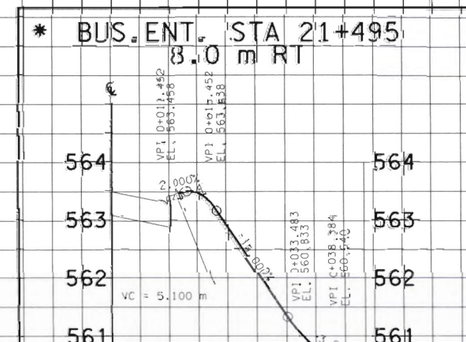
* BUS.ENT. STA 21+476 8.0 m LT



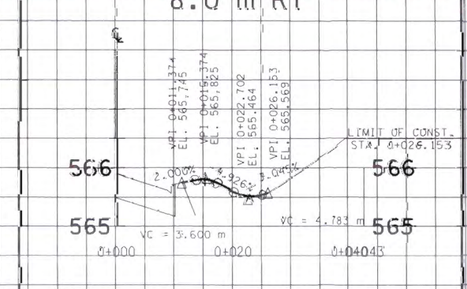
* BUS.ENT. STA 21+479 8.0 m RT



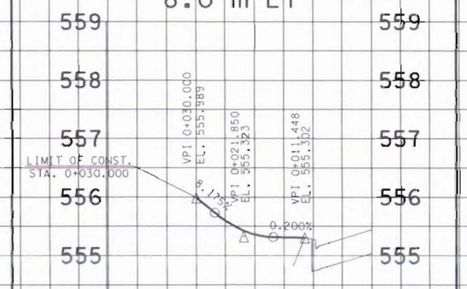
* BUS.ENT. STA 21+495 8.0 m RT



* BUS.ENT. STA 21+539 8.0 m RT



* BUS.ENT. STA 21+200 8.0 m LT



NOTE

* NO SD. REQUIRED

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

24-FEB-2010 15:49
\\JOZWF01\phat_tenn_02\Shared\Design County Folders\Cumberland\SR28\sawmill road\cumb28;8\cumb28\FinalDesign\2005\Construction plans\BA Construction plans\SR28SawMillRd_CM28L2BH.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

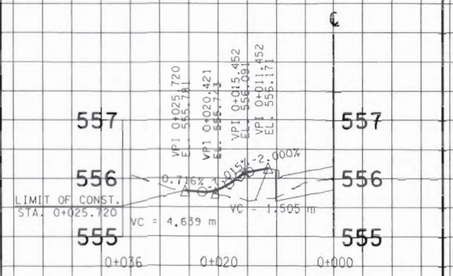
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28H
CONST.	2009	18006-3310-04	28H

REVISION: 5/06/03 CHANGED PROPOSED BUS. ENT. AT STA. 21+453.3 RT FROM 8m TO 6m. ADDED PROPOSED 6m BUSINESS ENTRANCE AT STA. 21+437.8 RT.

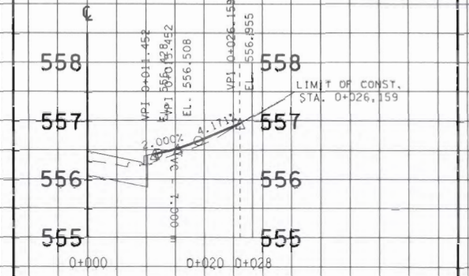
REVISION: 04/08/04, ADDED 12m BUS. ENT. AT STA. 21+176.88 RT.

FOR CONST. FIELD REVIEW ONLY

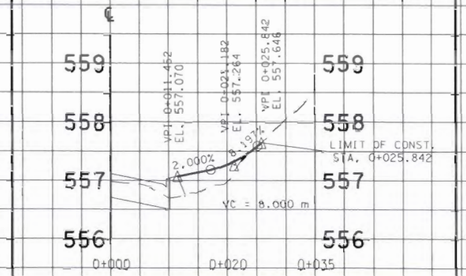
* BUS.ENT. STA 21+330
12.0 m LT



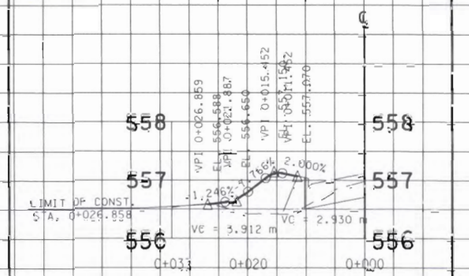
* BUS.ENT. STA 21+346
8.6 m RT



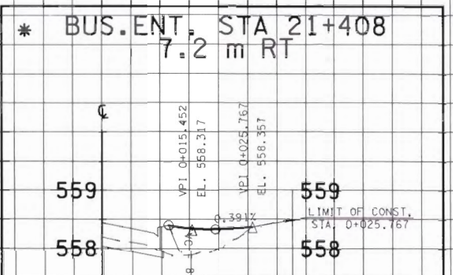
* BUS.ENT. STA 21+371
7.4 m RT



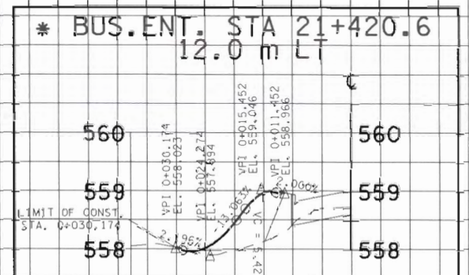
* BUS.ENT. STA 21+372
12.0 m LT



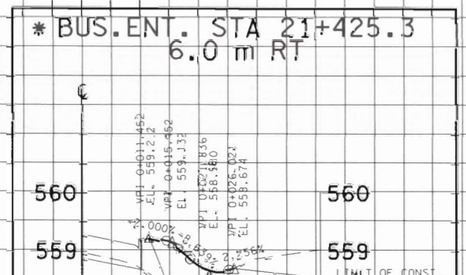
* BUS.ENT. STA 21+408
7.2 m RT



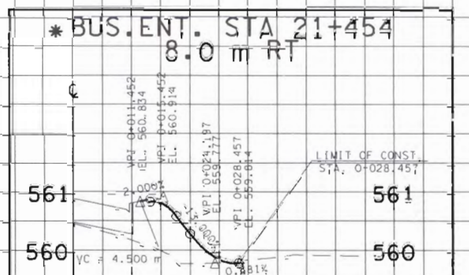
* BUS.ENT. STA 21+420.6
12.0 m LT



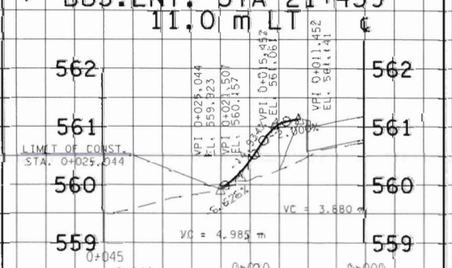
* BUS.ENT. STA 21+425.3
6.0 m RT



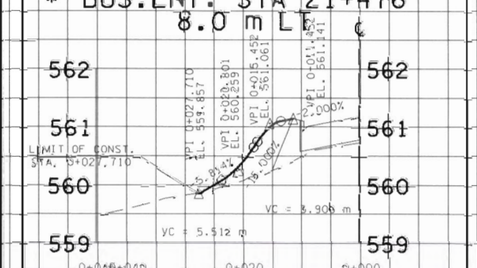
* BUS.ENT. STA 21+454
8.0 m RT



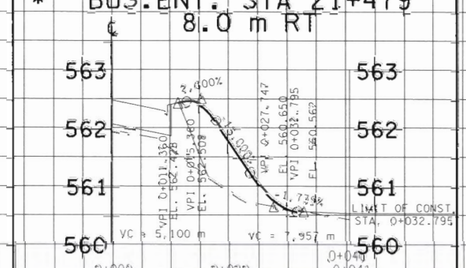
* BUS.ENT. STA 21+459
11.0 m LT



* BUS.ENT. STA 21+476
8.0 m LT



* BUS.ENT. STA 21+479
8.0 m RT



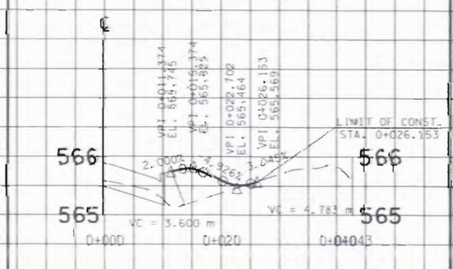
* BUS.ENT. STA 21+495
8.0 m RT



NOTE

* NO SD. REQUIRED

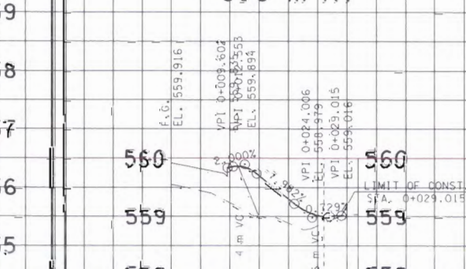
* BUS.ENT. STA 21+539
8.0 m RT



* BUS.ENT. STA 21+200
8.0 m LT



* BUS.ENT. STA 21+437.8
6.0 m RT



* BUS.ENT. STA 21+176.88
12.0 m RT



METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

Survey & Design Division

24-FEB-2010 15:49
\\Jv02WF0\chat-tenn\025shared\Design County Folders\Cumberland\SR28sowmillroad\cumb28v8\cumb28\FInalDesignII2005\Construction plans\BK\Construprintplansheets\CM28L28H.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28J
CONST.	2009	18006-3219-04	28J

REVISION: 11/26/02 ADDED PROFILE OF Am BUS. ENT. STA. 15+900.

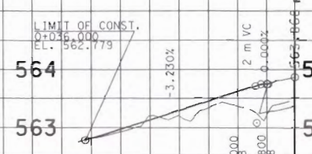
REVISION: 05/01/06 REDESIGNED ALL DRIVEWAYS TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

REVISION: 02/26/07 ADDED PROFILE STA. 0+409 3.4m BUS. ENT. RT.

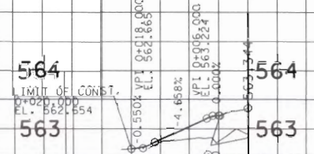
REVISION: 11/02/07 ADDED PROFILE STA. 15+890 3.6m FLD. ENT. RT.

FOR CONST. FIELD REVIEW ONLY

PVT.DR. STA 0+022 OFF DEEP DRAW RD. 3.0m LT



PVT.DR. STA 0+039 OFF DEEP DRAW RD. 4.0 m LT



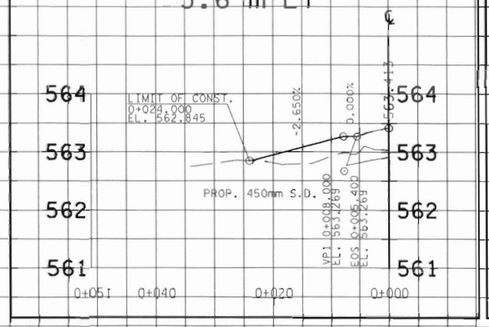
S.R.68 PVT.DR. STA 0+034 4.1 m LT



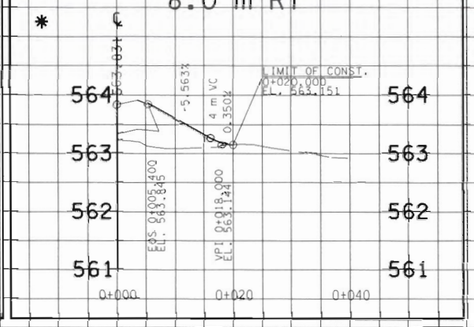
* S.R.68 PVT.DR. STA 0+057 5.3 m RT



S.R.68 PVT.DR. STA 0+068 3.6 m LT



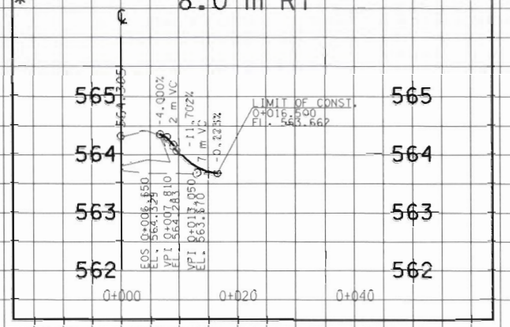
S.R.68 BUS.ENT. STA 0+107 8.0 m RT



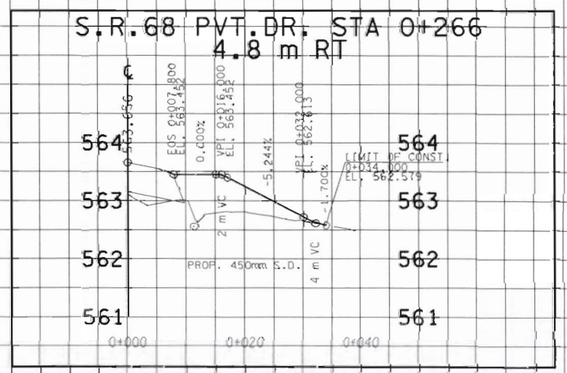
* S.R.68 PVT.DR. STA 0+141 3.0 m LT



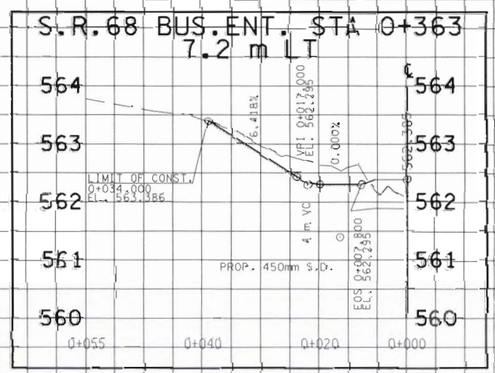
* S.R.68 BUS.ENT. STA 0+160 8.0 m RT



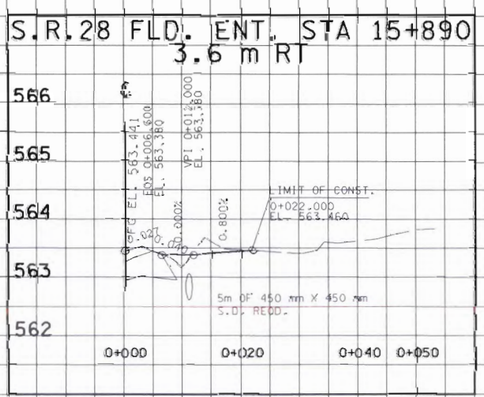
S.R.68 PVT.DR. STA 0+266 4.8 m RT



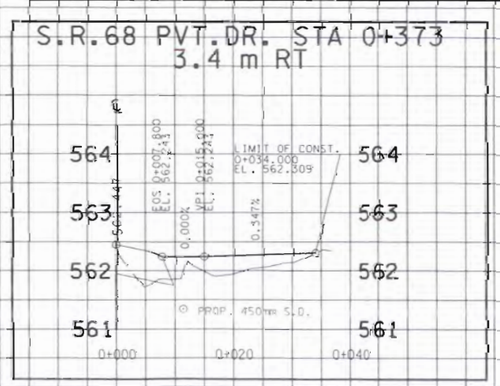
S.R.68 BUS.ENT. STA 0+363 7.2 m LT



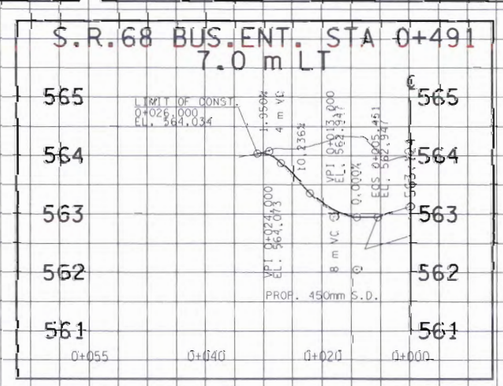
S.R.28 FLD. ENT. STA 15+890 3.6 m RT



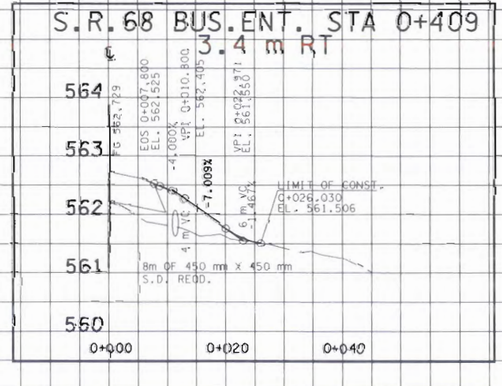
S.R.68 PVT.DR. STA 0+373 3.4 m RT



S.R.68 BUS.ENT. STA 0+491 7.0 m LT



S.R.68 BUS.ENT. STA 0+409 3.4 m RT



NOTE

* NO SD. REQUIRED

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

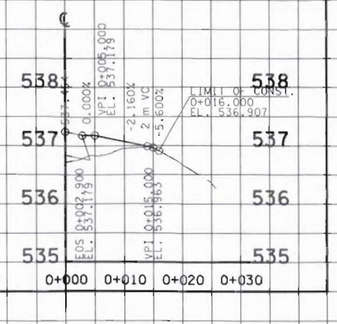
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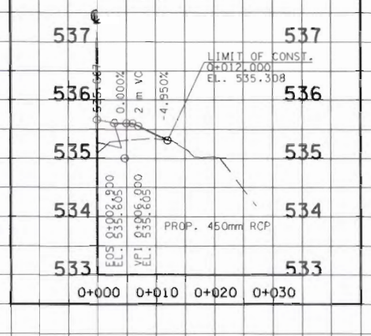
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

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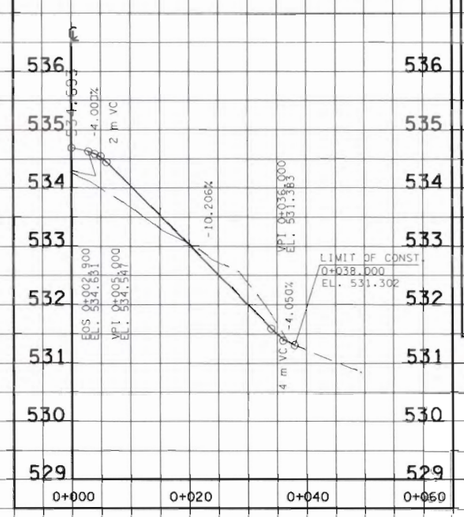
PVT. DR. STA. 0+060 * OFF COUNTY RD. 3.0 m RT



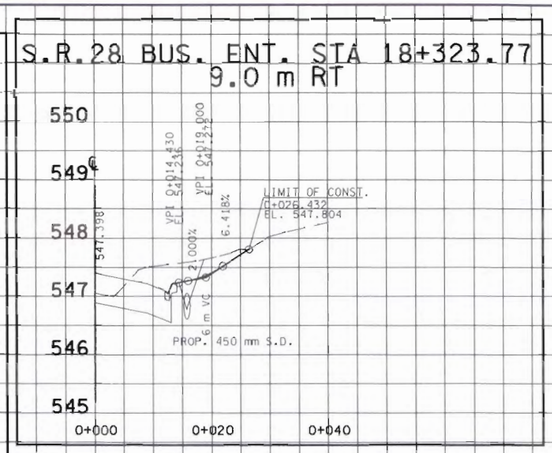
PVT. DR. STA. 0+095 OFF COUNTY RD. 3.0 m RT



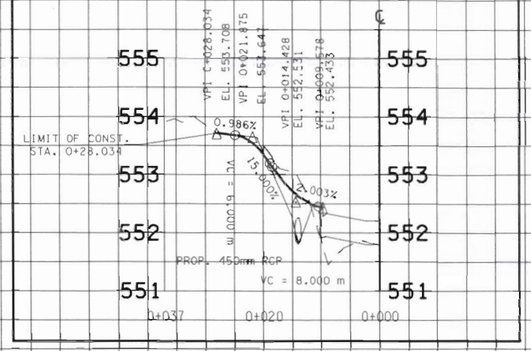
PVT. DR. STA. 0+117 * OFF COUNTY RD. 3.0 m RT



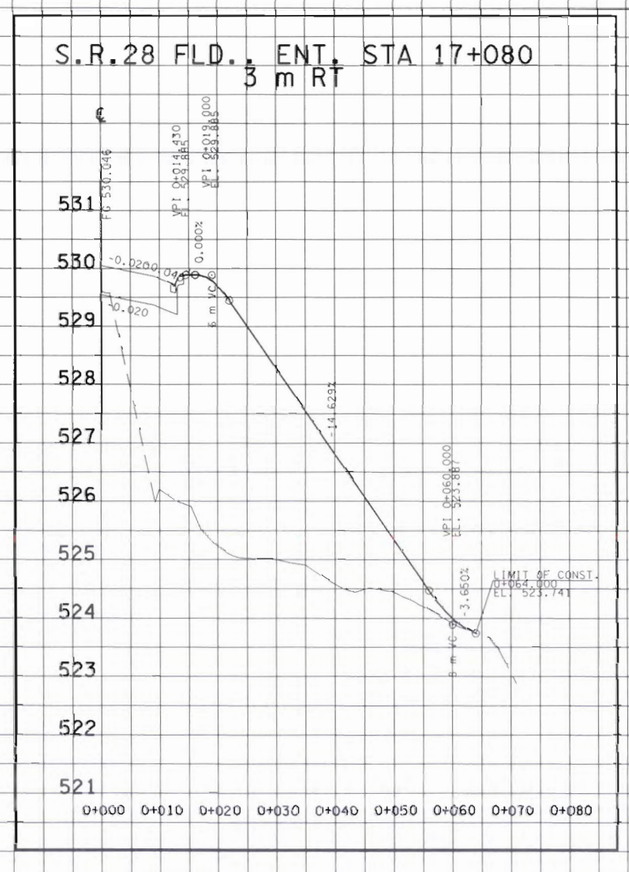
S.R.28 BUS. ENT. STA 18+323.77 9.0 m RT



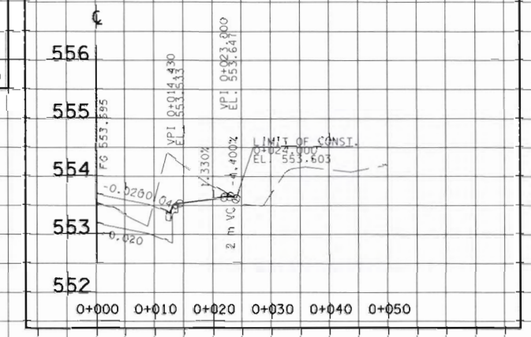
S.R.28 PVT.DRV. STA 20+845 3.0 m LT



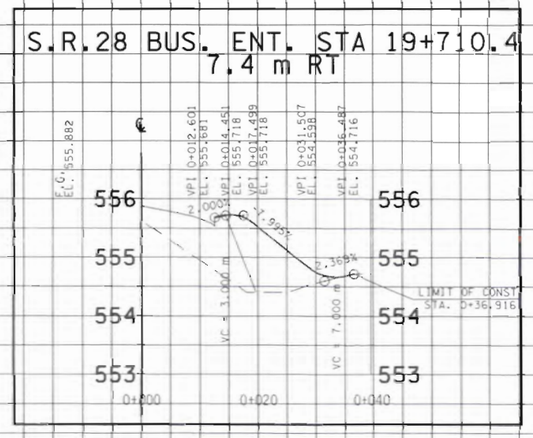
S.R.28 FLD., ENT. STA 17+080 3 m RT



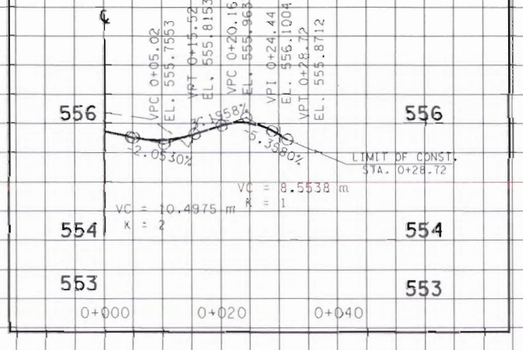
S.R.28 BUS. ENT. STA 16+670 9.1 m RT



S.R.28 BUS. ENT. STA 19+710.4 7.4 m RT



BUS. ENT. STA. 2+540.00 OFF BROOKHAVEN DRV. 8.0 m LT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	28K
CONST.	2009	18006-3210-04	28K

REVISION: 05/01/06 REDESIGNED ALL DRIVEWAYS TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

REVISION: 05/30/06 ADDED BUSINESS. ENT. STA. 19+710.4 RT. AND STA. 2+540.00 LT.

REVISION: 02/26/07 ADDED BUSINESS. ENT. STA. 16+670 RT. AND FIELD ENT. STA.17+080 RT.

REVISION: 3/20/07 ADDED BUSINESS. ENT. STA. 18+323.77 RT.

FOR CONST. FIELD REVIEW ONLY

METRIC

NOTE

* NO SD. REQUIRED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE OF PRIVATE DRIVES

SCALE: 1:500 HORIZ.
1:50 VERT.

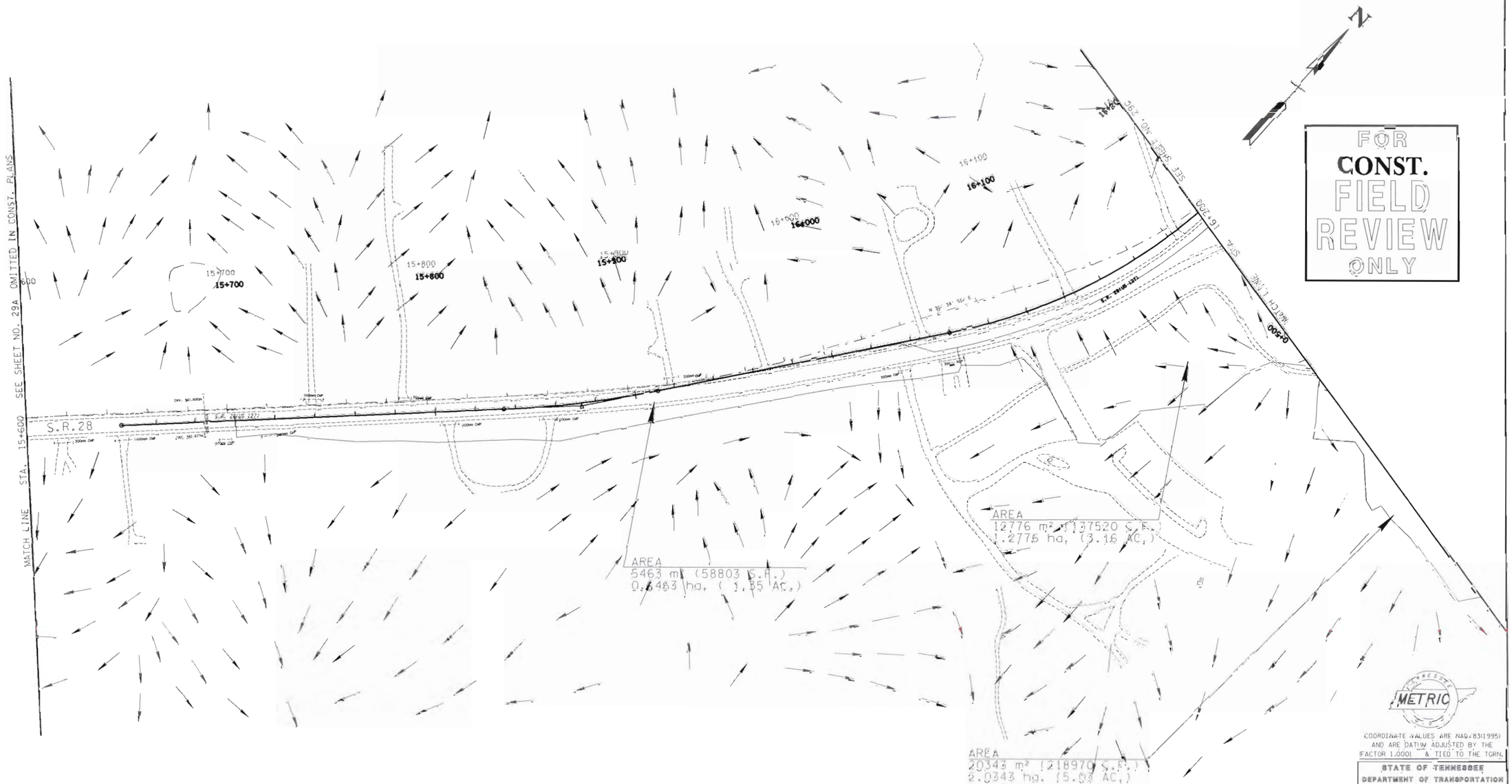
Survey & Design Division

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REVISION 05/01/06: MODIFIED SHT TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

REVISION 02/26/07: DELETED CROSSDRAIN AT STA. 15+980.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2810-04	29B
CONST.	2009	18006-3210-04	29B



FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD 83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 15+600 TO STA. 16+200
4000; 8

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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

REVISION 05/01/06: MODIFIED SHT TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29C
CONST.	2009	18006-3210-04	29C

N

MATCH LINE STA. 16+200 SEE SHEET NO. 29B

MATCH LINE STA. 16+800 SEE SHEET NO. 29D

16+100 16+200 16+300 16+400 16+500 16+600 16+700 16+800

0+100 0+200 0+300

S.R. 68

POND

AREA
6598 m² (71020 S.F.)
0.6598 ha. (1.63 AC.)

FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 16+200 TO STA. 16+800

SCALE: 1:1000

Survey & Design Division

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REVISION 05/01/06: MODIFIED SHT TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29D
CONST.	2009	18006-3210-04	29D

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

POND
AREA
899.0 m² (9677 S.F.)
0.0899 ha. (0.222 AC.)
AREA
2652.0 m² (28546 S.F.)
0.2652 ha. (0.6553 AC.)
AREA
26.7 km²
2670 ha. (6598 AC.)
AREA
713.0 m² (7675 S.F.)
0.0713 ha. (0.176 AC.)
POND
S.R.28
CONC. DITCH
CONC. DITCH
MATCH LINE STA. 16+800 SEE SHEET NO. 29C
MATCH LINE STA. 17+400 SEE SHEET NO. 29E
16+800
16+900
17+000
17+100
17+200
17+300
0+000
0+100

FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 16+800 TO STA. 17+400

SCALE: 1:1000

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29E
CONST.	2009	18006-3210-04	29E

AREA
26.7 km²
2670 ha. (6598 AC.)

AREA
2652.0 m² (28546 S.F.)
0.2652 ha. (0.6553 AC.)

AREA
7447.0 m² (80159 S.F.)
0.7447 ha. (1.840 AC.)

AREA
8.81 km²
881 ha. (2177 AC.)

AREA
1736.0 m² (18686 S.F.)
0.1736 ha. (0.429 AC.)

AREA
1736.0 m² (18686 S.F.)
0.1736 ha. (0.429 AC.)

17+400
17+500
17+600
17+700
17+800
17+900
18+000

SEE SHEET NO. 29D

SEE SHEET NO. 29F

MATCH LINE STA. 17+400

MATCH LINE STA. 18+000

AREA
1465.0 m² (15769 S.F.)
0.1465 ha. (0.362 AC.)

AREA
924 m² (125830 S.F.)
0.0924 ha. (2.889 AC.)

AREA
11690.0 m² (125830 S.F.)
1.169 ha. (2.889 AC.)

N

FOR
CONST.
FIELD
REVIEW
ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 0.9999 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 17+400 TO STA. 18+000

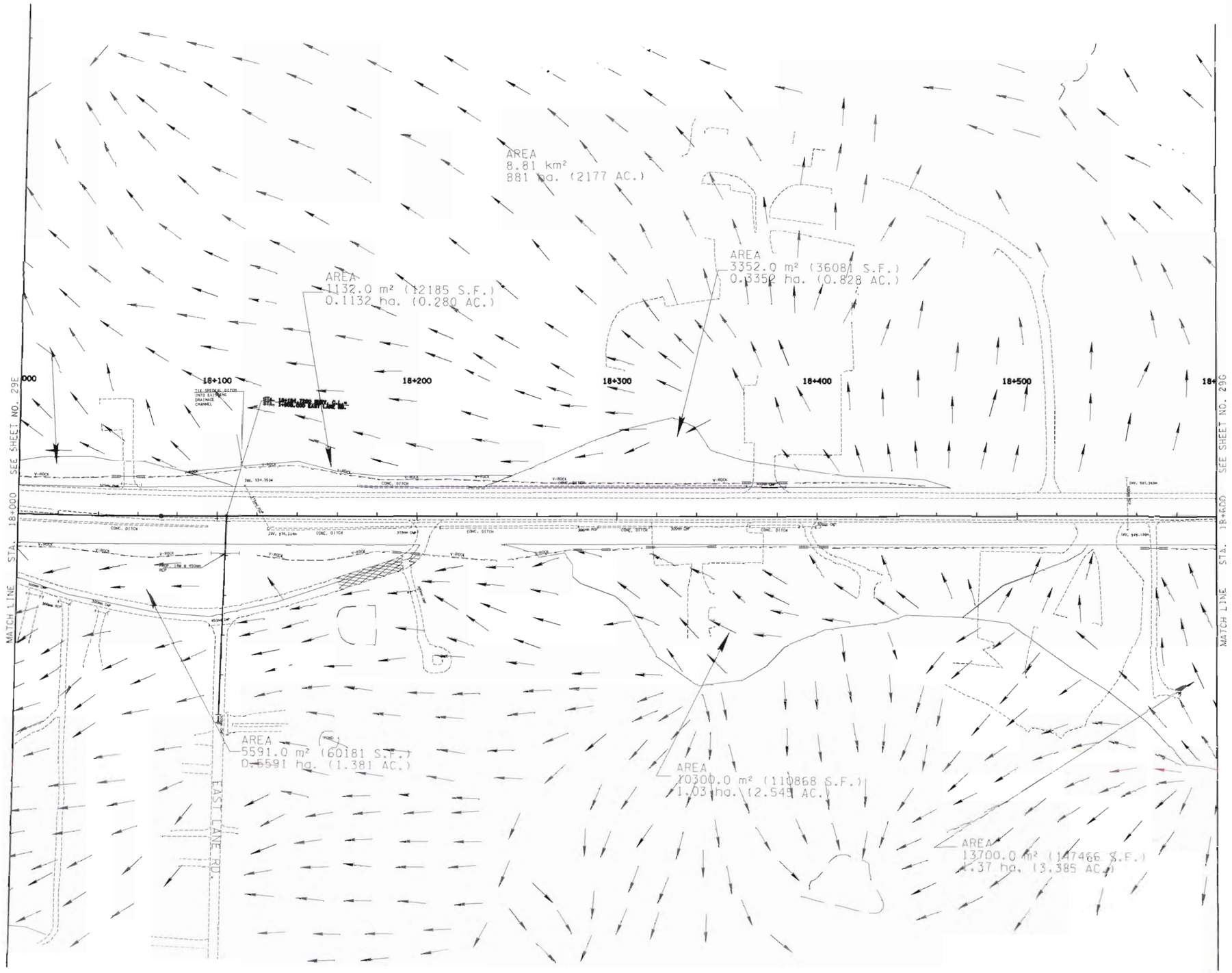
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Survey & Data Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29F
CONST.	2009	18006-3210-04	29F



FOR
CONST.
FIELD
REVIEW
ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 18+000 TO STA. 18+600

SCALE: 1:1000

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REVISION 02/26/07: ADDED PARK TRACE DRIVE LT: STA. 18+917.820.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29G
CONST.	2009	18006-3210-94	29G

AREA
5.81 km²
881 ha. (2177 AC.)

AREA
13700.0 m² (147466 S.F.)
1.37 ha. (3.385 AC.)

AREA
71088. m² (765314 S.F.)
7.11 ha. (17.57 AC.)

AREA
14670.0 m² (158229 S.F.)
1.47 ha. (3.63 AC.)

POND

P.I. STA. 18+917.820 S.R. 28 C.L.=
STA. 0+000.00 PARK TRACE DR.

PARK TRACE DR.

STREAM 5

METLAND
2811 m²
0.2811 ha
0.69 AC.

CONC. DITCH

MATCH LINE STA. 16+200 SEE SHEET NO. 29E

MATCH LINE STA. 19+200 SEE SHEET NO. 29H

18+500
18+600
18+700
18+800
18+900
19+000
19+100
19+200

FOR CONST.
FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 18+600 TO STA. 19+200

SCALE: 1:1000

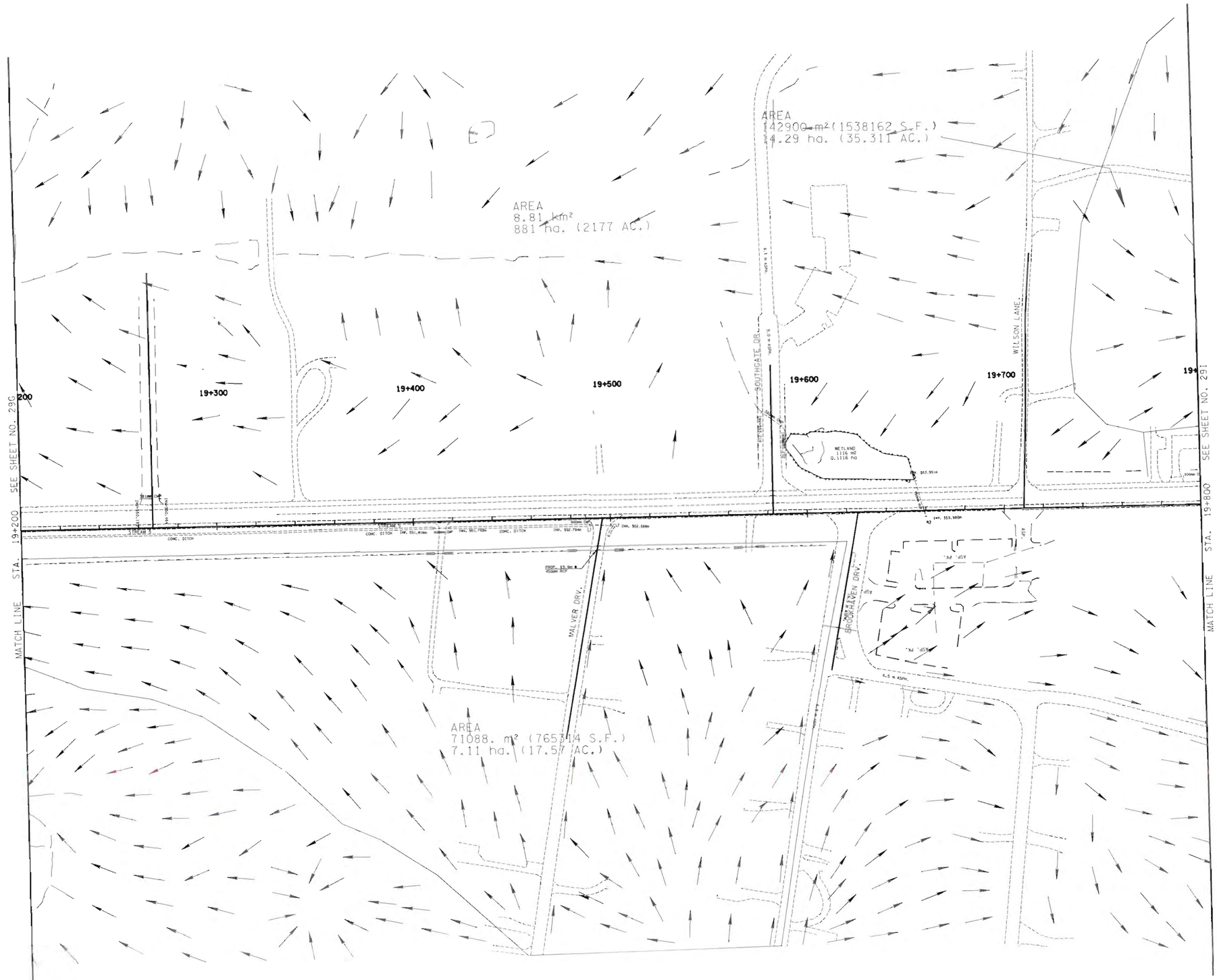
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29H
CONST.	2009	18006-3210-04	29H



FOR
CONST.
FIELD
REVIEW
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TENNESSEE METRIC D.O.T.

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 19+200 TO STA. 19+800

SCALE: 1:1000

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO:	SHEET NO.
R.O.W:	2001	18006-2210-04	29J
CONST:	2009	18006-3210-04	29J



FOR CONST.
FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 19+800 TO STA. 20+400

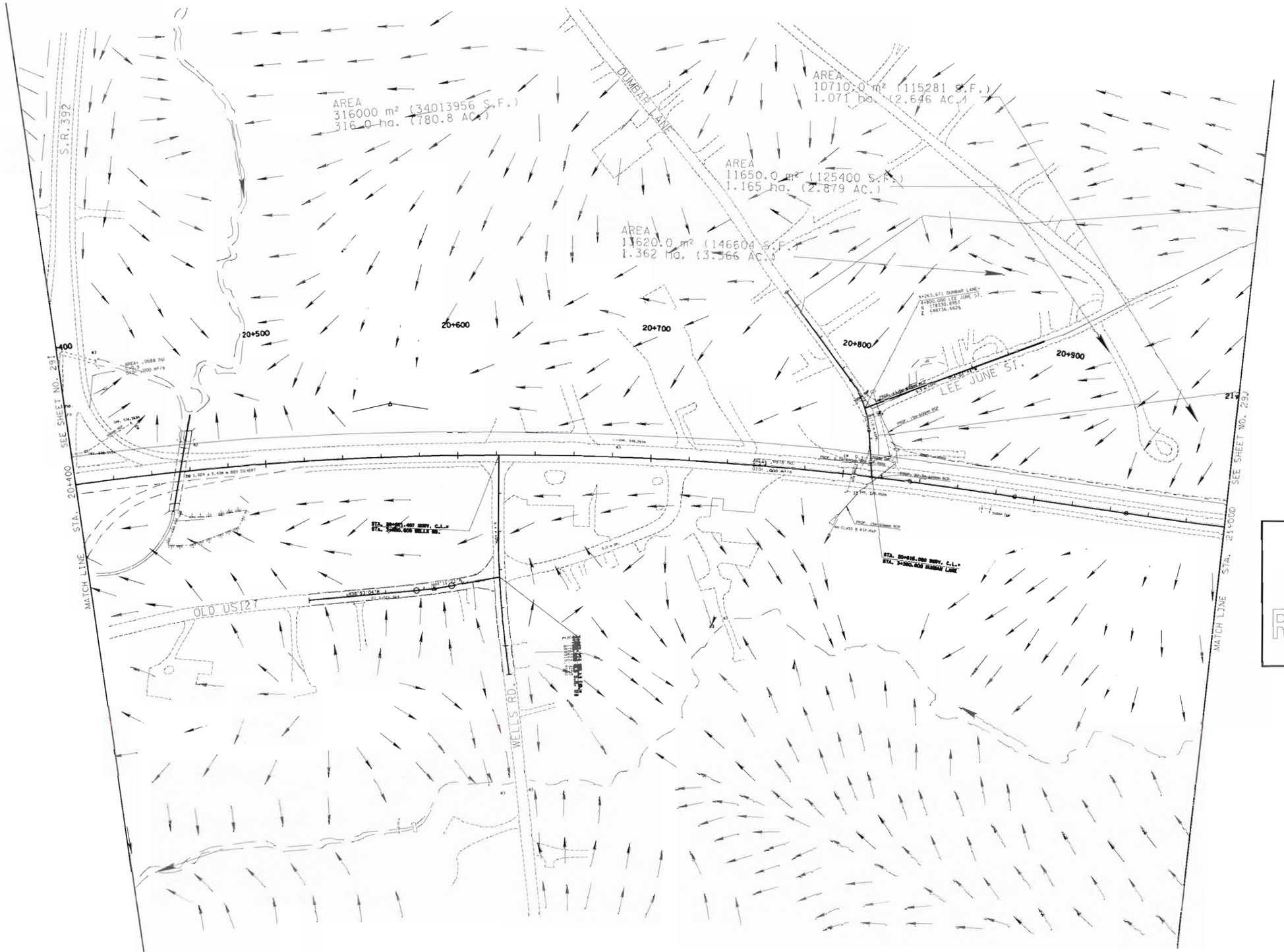
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Sverdrup & Parker Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29K
CONST.	2009	18006-3210-04	29K



FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 20+400 TO STA. 21+000

SCALE: 1:1000

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29L
CONST.	2009	18006-3210-04	29L

FOR CONST. FIELD REVIEW ONLY



METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 21+000 TO STA. 21+605

SCALE: 1:1000

Survey & Design Division

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REVISION 05/01/06: MODIFIED SHT TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	29M
CONST.	2009	18006-3210-04	29M



FOR CONST. FIELD REVIEW ONLY

METRIC

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TCRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

DRAINAGE MAP

STA. 15+602 TO STA. 16+150

SCALE: 1:1000

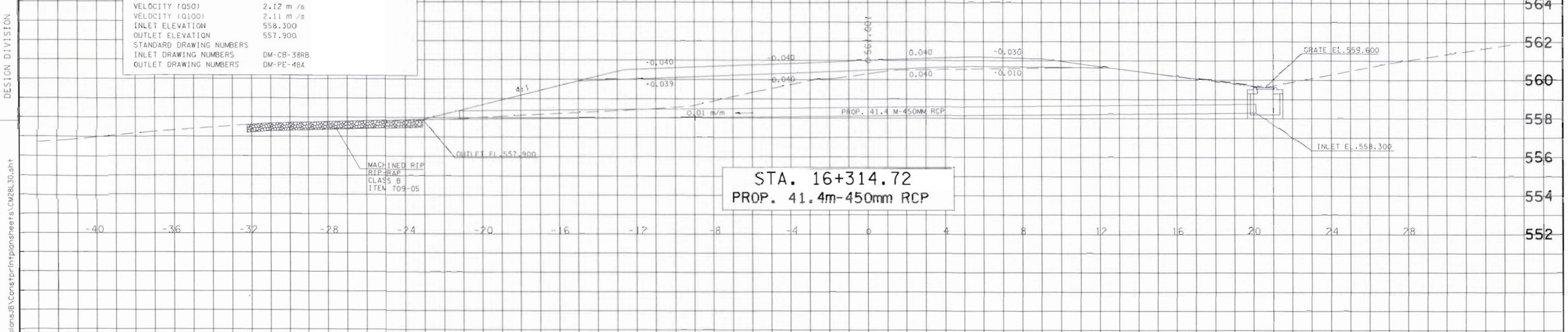
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30
CONST.	2009	18006-3210-04	30

REVISION 05/01/06: MODIFIED SHEET TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

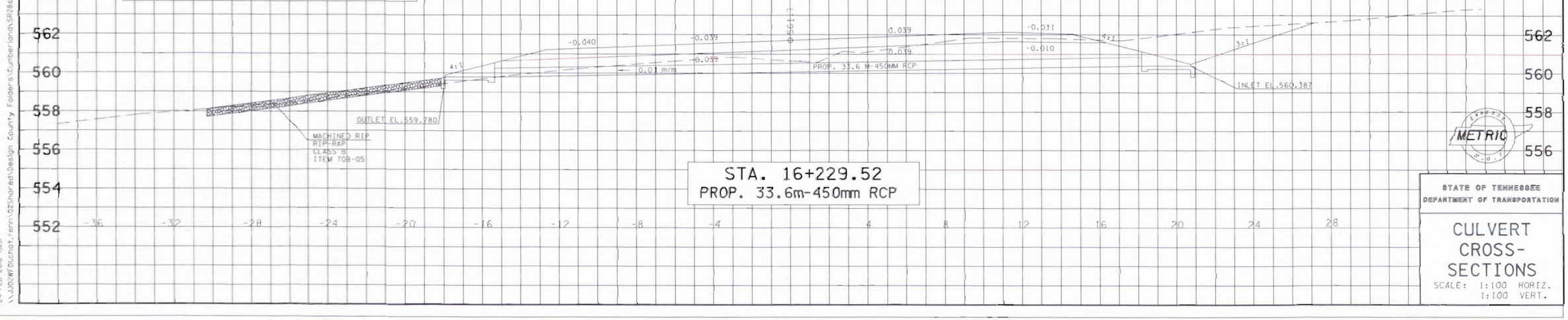
STATION	16+314.72
STRUCTURE	41.4 M OF 450MM RCP
SKEW	79 42'03"
DRAINAGE AREA	0.555 ha
DESIGN DISCHARGE (Q50)	0.192 m³/s
DESIGN DISCHARGE (Q100)	0.214 m³/s
OVERTOPPING ELEV.	561.001
ALLOWABLE HEADWATER ELEV.	559.600
Q50 HEADWATER ELEV.	558.886
Q100 HEADWATER ELEV.	558.920
VELOCITY (Q50)	2.12 m /s
VELOCITY (Q100)	2.11 m /s
INLET ELEVATION	558.300
OUTLET ELEVATION	557.900
STANDARD DRAWING NUMBERS	
INLET DRAWING NUMBERS	DM-CB-38RB
OUTLET DRAWING NUMBERS	DM-PE-48A



STA. 16+314.72
PROP. 41.4m-450mm RCP

MAIN28
163+14.72

STATION	16+229.52
STRUCTURE	33.6 M OF 450MM RCP
SKEW	0000000
DRAINAGE AREA	1.28 ha
DESIGN DISCHARGE (Q50)	0.161 m³/s
DESIGN DISCHARGE (Q100)	0.186 m³/s
OVERTOPPING ELEV.	562.143
ALLOWABLE HEADWATER ELEV.	561.592
Q50 HEADWATER ELEV.	560.820
Q100 HEADWATER ELEV.	560.87
VELOCITY (Q50)	2.23 m /s
VELOCITY (Q100)	2.37 m /s
INLET ELEVATION	560.387
OUTLET ELEVATION	559.78
STANDARD DRAWING NUMBERS	
INLET DRAWING NUMBERS	DM-PE-48A
OUTLET DRAWING NUMBERS	DM-PE-48A



STA. 16+229.52
PROP. 33.6m-450mm RCP

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

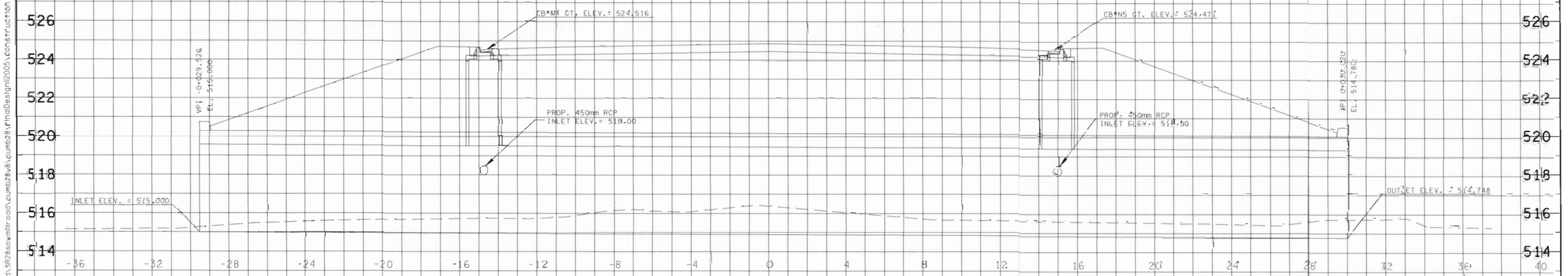
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REVISION 4/10/02: ADDED CLASS "B" RIP-RAP AT BOX BRIDGE ENDS. CHANGED BOX BRIDGE FROM 2@4.57 X 4.57m TO 2@4.88 X 4.57m. DELETED ALLOWABLE HEADWATER ELEVATION.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30F
CONST.	2009	18006-3210-04	30F



STATION	17+248.51
STRUCTURE	60m 2@4.88X4.57M SLAB CULV. W/ DEBRIS FIN
SKEW	60°
DRAINAGE AREA	26.70 km²
DESIGN DISCHARGE(Q100)	31.9 m³/s
DISCHARGE(Q500)	95.7 m³/s
OVERTOPPING ELEV.	525.8
Q500 HEADWATER ELEV.	519.55
Q100 HEADWATER ELEV.	518.98
VELOCITY (Q100)	2.01 m/s
INLET ELEVATION	515.00
OUTLET ELEVATION	514.78
STANDARD DRAWING NUMBERS	STD-15-125, STD-15-126, STD-15-17

STA. 17+248.51
PROP. 2@4.88X4.57m SLAB CULV. W/ DEBRIS FIN

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

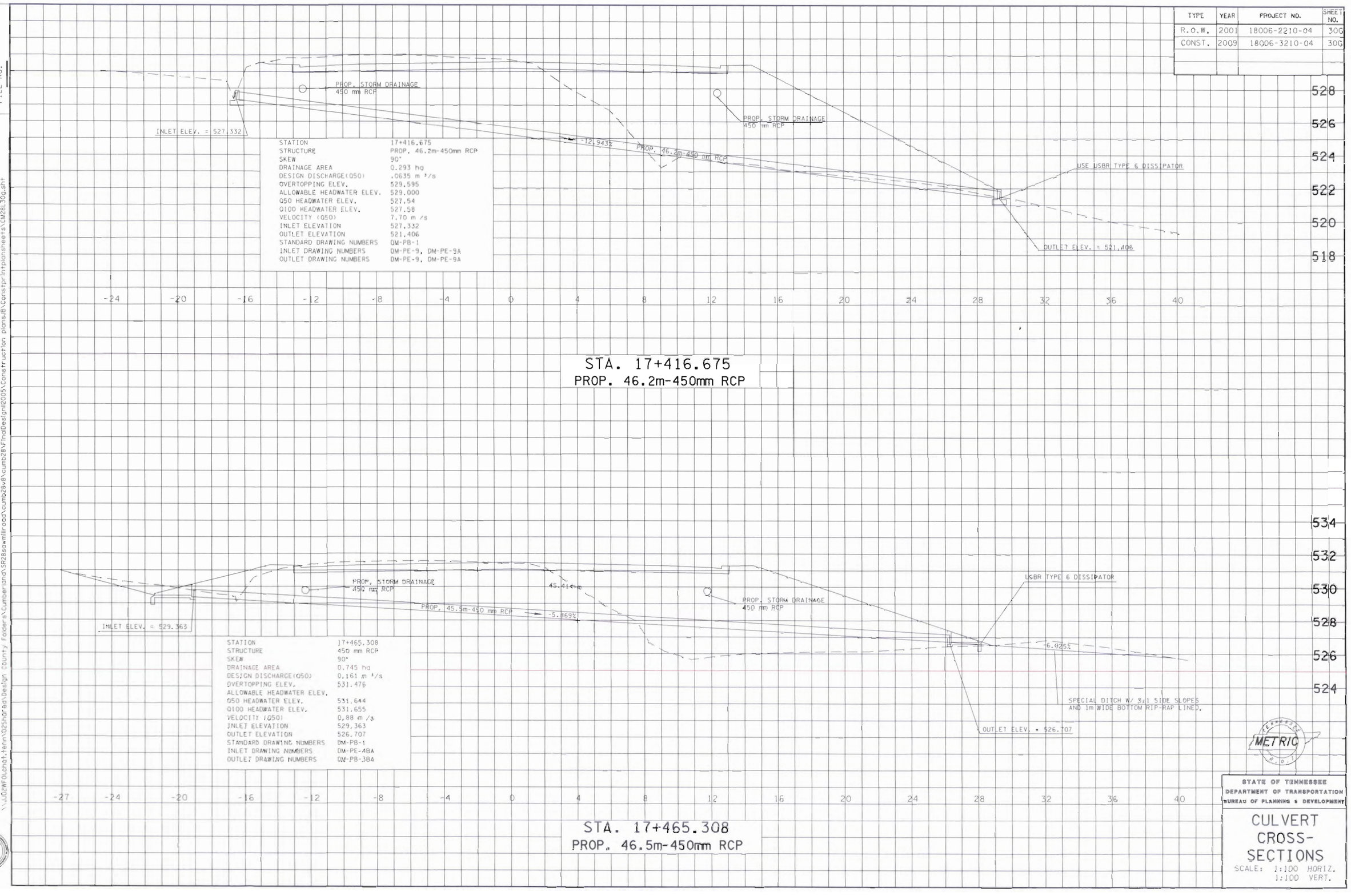
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	306
CONST.	2009	18006-3210-04	306



STATION	17+416.675
STRUCTURE	PROP. 46.2m-450mm RCP
SKEW	90°
DRAINAGE AREA	0.293 ha
DESIGN DISCHARGE(Q50)	.0635 m ³/s
OVERTOPPING ELEV.	529.595
ALLOWABLE HEADWATER ELEV.	529.000
Q50 HEADWATER ELEV.	527.54
Q100 HEADWATER ELEV.	527.58
VELOCITY (Q50)	7.70 m /s
INLET ELEVATION	527.332
OUTLET ELEVATION	521.406
STANDARD DRAWING NUMBERS	DM-PB-1
INLET DRAWING NUMBERS	DM-PE-9, DM-PE-9A
OUTLET DRAWING NUMBERS	DM-PE-9, DM-PE-9A

STA. 17+416.675
PROP. 46.2m-450mm RCP

STATION	17+465.308
STRUCTURE	450 mm RCP
SKEW	90°
DRAINAGE AREA	0.745 ha
DESIGN DISCHARGE(Q50)	0.161 m ³/s
OVERTOPPING ELEV.	531.476
ALLOWABLE HEADWATER ELEV.	
Q50 HEADWATER ELEV.	531.644
Q100 HEADWATER ELEV.	531.655
VELOCITY (Q50)	0.88 m /s
INLET ELEVATION	529.363
OUTLET ELEVATION	526.707
STANDARD DRAWING NUMBERS	DM-PB-1
INLET DRAWING NUMBERS	DM-PE-4BA
OUTLET DRAWING NUMBERS	DM-PB-3BA

STA. 17+465.308
PROP. 46.5m-450mm RCP

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

SCALE: 1:100 HORIZ.
1:100 VERT.

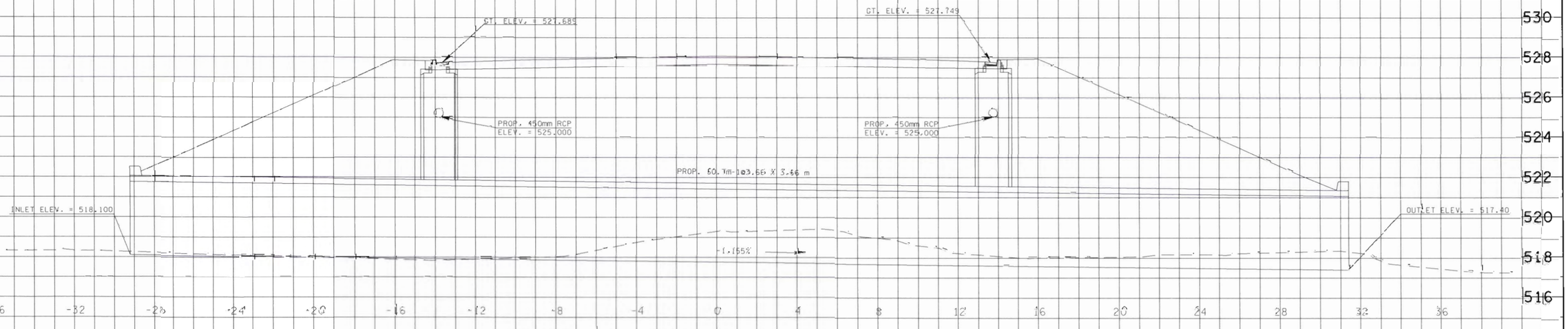
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REVISION 4/10/02: ADDED CLASS "B" RIP-RAP AT THE ENDS OF BOX CULVERT. DELETED ALLOWABLE HEADWATER ELEVATION. CHANGED STANDARD DRAWING NO. TO STD-15-41.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30H
CONST.	2009	18006-3210-04	30H



STATION	17+887.6
STRUCTURE	60.7m-1@3.66x3.66m
SKEW	60°
DRAINAGE AREA	8.81 Km²
DESIGN DISCHARGE(Q100)	33.0 m³/s
DISCHARGE(Q500)	44.1 m³/s
OVERTOPPING ELEV.	528.000
Q500 HEADWATER ELEV.	522.16
Q100 HEADWATER ELEV.	521.42
VELOCITY (Q100)	2.93 m/s
INLET ELEVATION	518.10
OUTLET ELEVATION	517.40
STANDARD DRAWING NUMBERS	STD-15-100 STD-15-101

STA. 17+887.6
PROP. 60.7m-1@3.66x3.66m SLAB CULV.

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

SCALE: 1:100 HORIZ.
1:100 VERT.

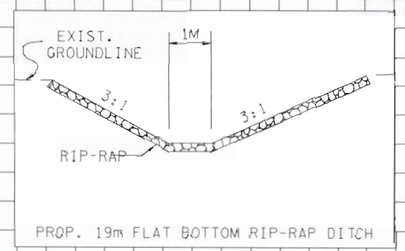
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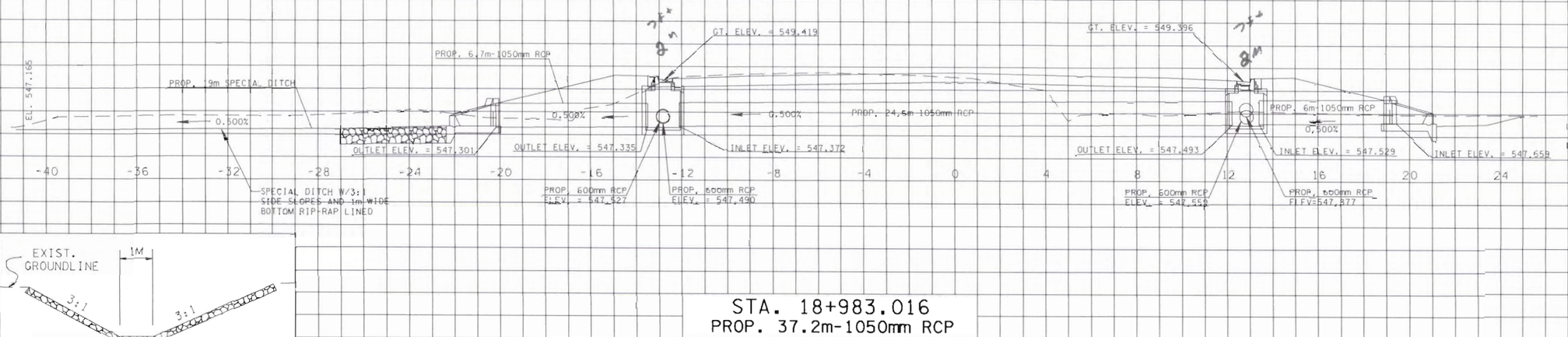
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30J
CONST.	2009	18006-3210-04	30J

STATION	18+983.016
STRUCTURE	PROP. 37.2m-1050mm RCP
SKEW	75°18'25"
DRAINAGE AREA	8.735 ha
DESIGN DISCHARGE(Q50)	1.729 m ³/s
OVERTOPPING ELEV.	549.581
ALLOWABLE HEADWATER ELEV.	549.500
Q50 HEADWATER ELEV.	548.451
Q100 HEADWATER ELEV.	549.495
VELOCITY (Q50)	3.07 m /s
INLET ELEVATION	547.559
OUTLET ELEVATION	547.301
STANDARD DRAWING NUMBERS	DM-PB-1, DM-CB-12SB, 12SC, 12SD
INLET DRAWING NUMBERS	DM-PE-1
OUTLET DRAWING NUMBERS	DM-PE-1

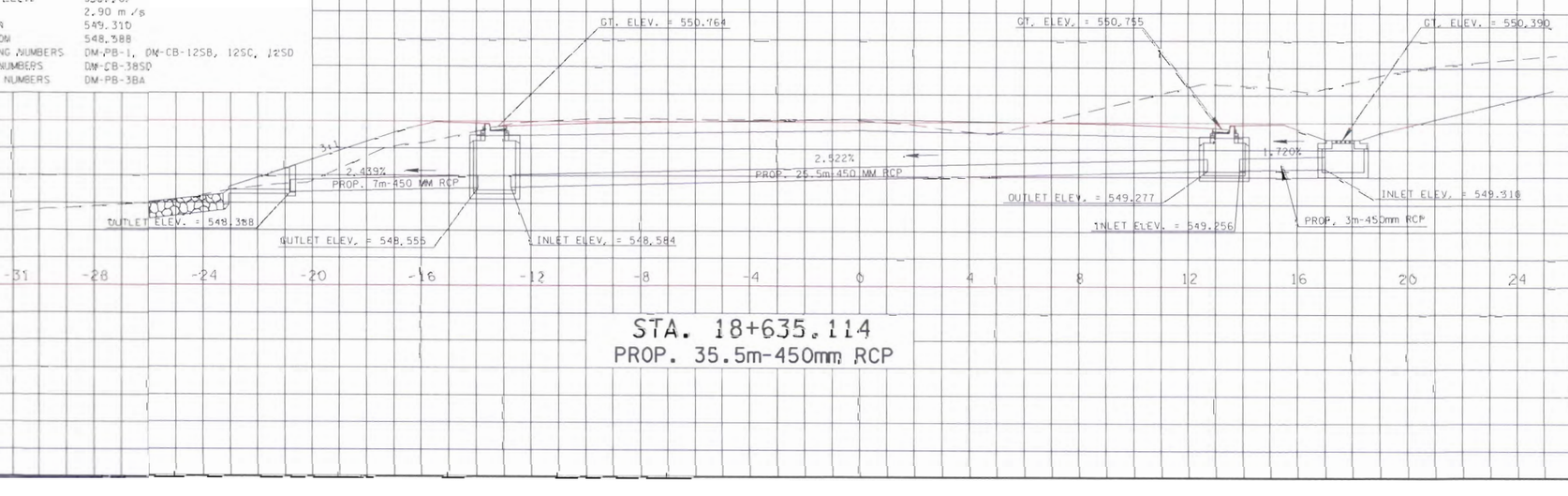


PROP. 19m FLAT BOTTOM RIP-RAP DITCH



STA. 18+983.016
PROP. 37.2m-1050mm RCP

STATION	18+635.144
STRUCTURE	PROP. 35.5m-450mm RCP
SKEW	68°45'22"
DRAINAGE AREA	1.367 ha
DESIGN DISCHARGE(Q50)	0.260 m ³/s
OVERTOPPING ELEV.	550.945
ALLOWABLE HEADWATER ELEV.	550.390
Q50 HEADWATER ELEV.	550.136
Q100 HEADWATER ELEV.	550.167
VELOCITY (Q50)	2.90 m /s
INLET ELEVATION	549.310
OUTLET ELEVATION	548.388
STANDARD DRAWING NUMBERS	DM-PB-1, DM-CB-12SB, 12SC, 12SD
INLET DRAWING NUMBERS	DM-CB-38SD
OUTLET DRAWING NUMBERS	DM-PB-3BA



STA. 18+635.114
PROP. 35.5m-450mm RCP

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

SCALE: 1:100 HORIZ.
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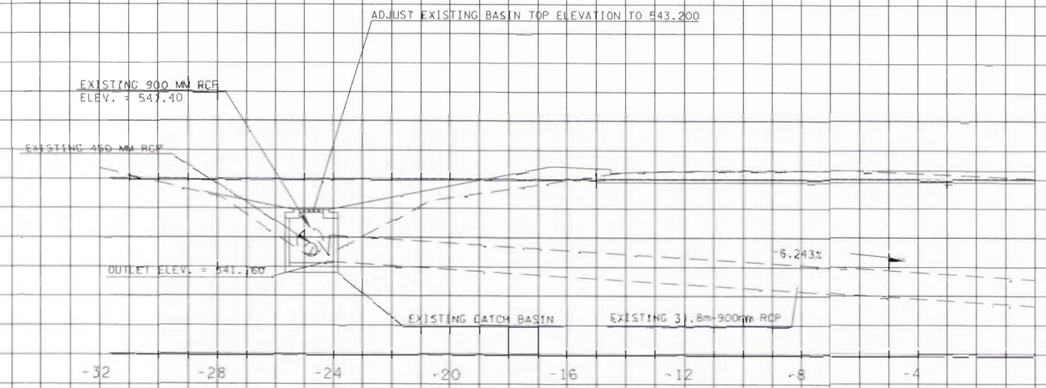
METRIC

Survey & Design Division

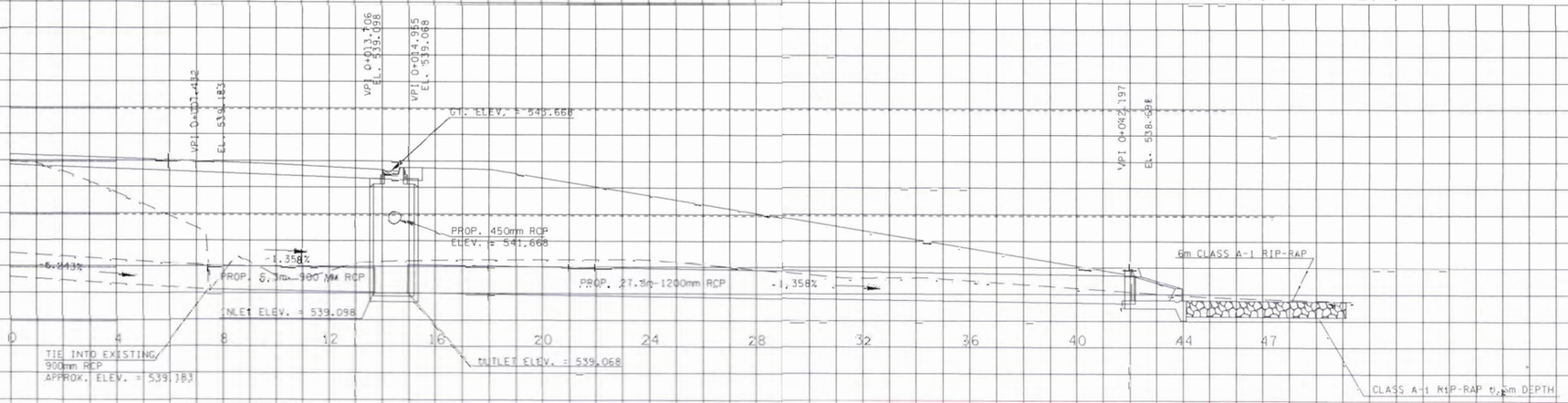
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30L
CONST.	2009	18006-3210-04	30L



STATION	20+165.561
STRUCTURE	PROP. 900 & 1200mm RCP
SKEW	60°20'39"
DRAINAGE AREA	21.0 ha
DESIGN DISCHARGE(Q50)	2.216 m³/s
OVERTOPPING ELEV.	544.545
ALLOWABLE HEADWATER ELEV.	543.200
Q50 HEADWATER ELEV.	542.148
Q100 HEADWATER ELEV.	542.176
VELOCITY (Q50)	3.99 m/s
INLET ELEVATION	541.160
OUTLET ELEVATION	538.698
STANDARD DRAWING NUMBERS	DM-PB-1, DM-CB-12SB, 12SC, 12SD
INLET DRAWING NUMBERS	EXISTING CATCH BASIN
OUTLET DRAWING NUMBERS	DM-PE-1



STA. 20+165.561
PROP. 900mm & 1050mm RCP

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

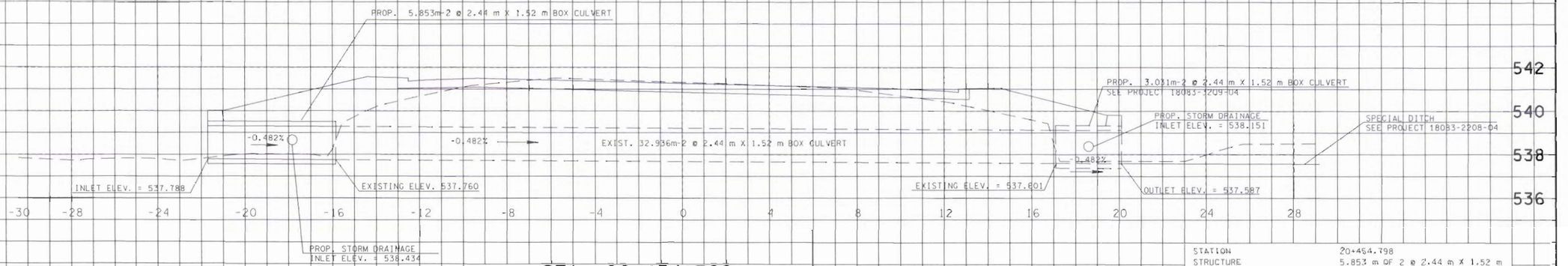
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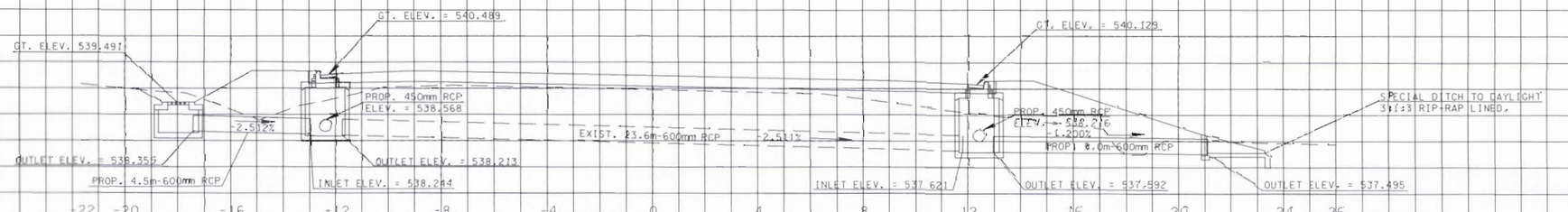
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

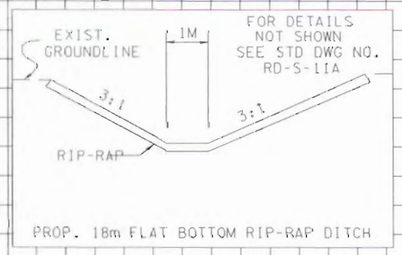
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30M
CONST.	2009	18006-3210-04	30M



STA. 20+454.798
PROP. 2@2.44m X 1.52m BOX CULV.

STATION	20+454.798
STRUCTURE	5.853 m OF 2 @ 2.44 m X 1.52 m
SKEW	75° LT
DRAINAGE AREA	316 ha
DESIGN DISCHARGE(Q50)	13.5 m³/s
OVERTOPPING ELEV.	544.591
ALLOWABLE HEADWATER ELEV.	540.000
Q50 HEADWATER ELEV.	539.35
Q100 HEADWATER ELEV.	539.57
VELOCITY (Q50)	3.49 m/s
INLET ELEVATION	537.488
OUTLET ELEVATION	537.578
STANDARD DRAWING NUMBERS	STD-15-57.5.10





STA. 20+314.437
PROP. 600mm RCP

STATION	20+314.437
STRUCTURE	PROP. 8.5m-600mm RCP
SKEW	88°45'56"
DRAINAGE AREA	1.0 ha
DESIGN DISCHARGE(Q50)	0.412 m³/s
OVERTOPPING ELEV.	540.236
ALLOWABLE HEADWATER ELEV.	539.491
Q50 HEADWATER ELEV.	539.180
Q100 HEADWATER ELEV.	539.214
VELOCITY (Q50)	0.45 m/s
INLET ELEVATION	538.355
OUTLET ELEVATION	537.495
STANDARD DRAWING NUMBERS	DM-PB-1, DM-CB-12SB, 12SC, 12SD
INLET DRAWING NUMBERS	DM-CB-38SD
OUTLET DRAWING NUMBERS	DM-PE-4BA

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

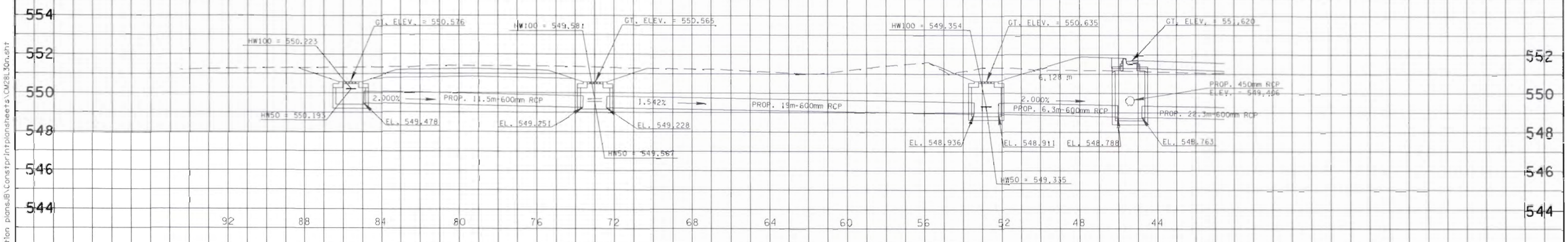
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Survey & Design Division

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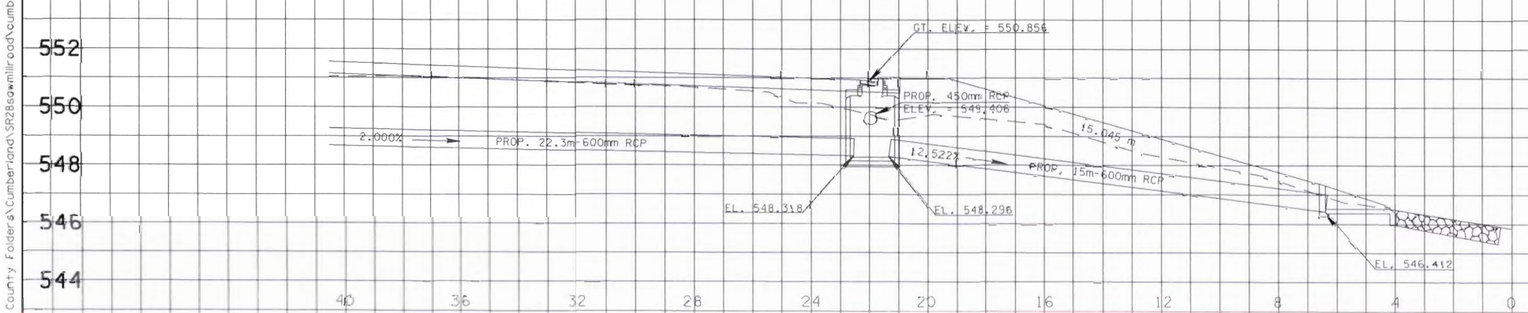
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30N
CONST.	2009	18006-3210-04	30N



LEE JUNE ST. STA. 4+806.569
PROP. 600mm RCP

STA. 20+815.394
PROP. 600mm RCP



STA. 20+815.394
PROP. 600mm RCP

STATION	20+815.394
STRUCTURE	PROP. 600mm RCP
SKEW	55°52'15"
DRAINAGE AREA	4.62 ha
DESIGN DISCHARGE(Q50)	0.796 m³/s
OVERTOPPING ELEV.	551.895
ALLOWABLE HEADWATER ELEV.	551.000
Q50 HEADWATER ELEV.	SEE ABOVE
Q100 HEADWATER ELEV.	SEE ABOVE
VELOCITY (Q50)	7.68 m/s
INLET ELEVATION	549.478
OUTLET ELEVATION	546.412
STANDARD DRAWING NUMBERS	DM-PB-1, DM-CB-12SB, 12SC, 12SD
INLET DRAWING NUMBERS	DM-CB-38SD
OUTLET DRAWING NUMBERS	DM-PE-4BA

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

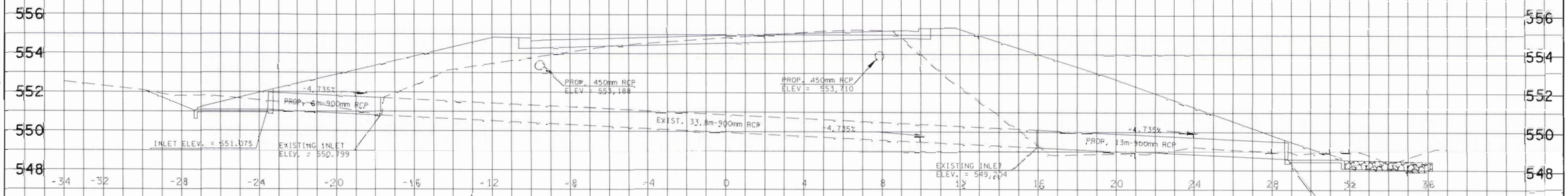
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30P
CONST.	2009	18006-3210-04	30P



STA. 21+104.756
PROP. 19m-900mm RCP PROP.

STATION	21+104.756
STRUCTURE	PROP. 19m-900mm RCP
SKEW	75°26'36"
DRAINAGE AREA	8.67 ha
DESIGN DISCHARGE(Q50)	0.965 m³/s
OVERTOPPING ELEV.	554.826
ALLOWABLE HEADWATER ELEV.	554.500
Q50 HEADWATER ELEV.	553.027
Q100 HEADWATER ELEV.	553.113
VELOCITY (Q50)	4.6 m/s
INLET ELEVATION	551.075
OUTLET ELEVATION	548.595
STANDARD DRAWING NUMBERS	DM-PB-1
INLET DRAWING NUMBERS	DM-PE-4BA
OUTLET DRAWING NUMBERS	DM-PE-3BA

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

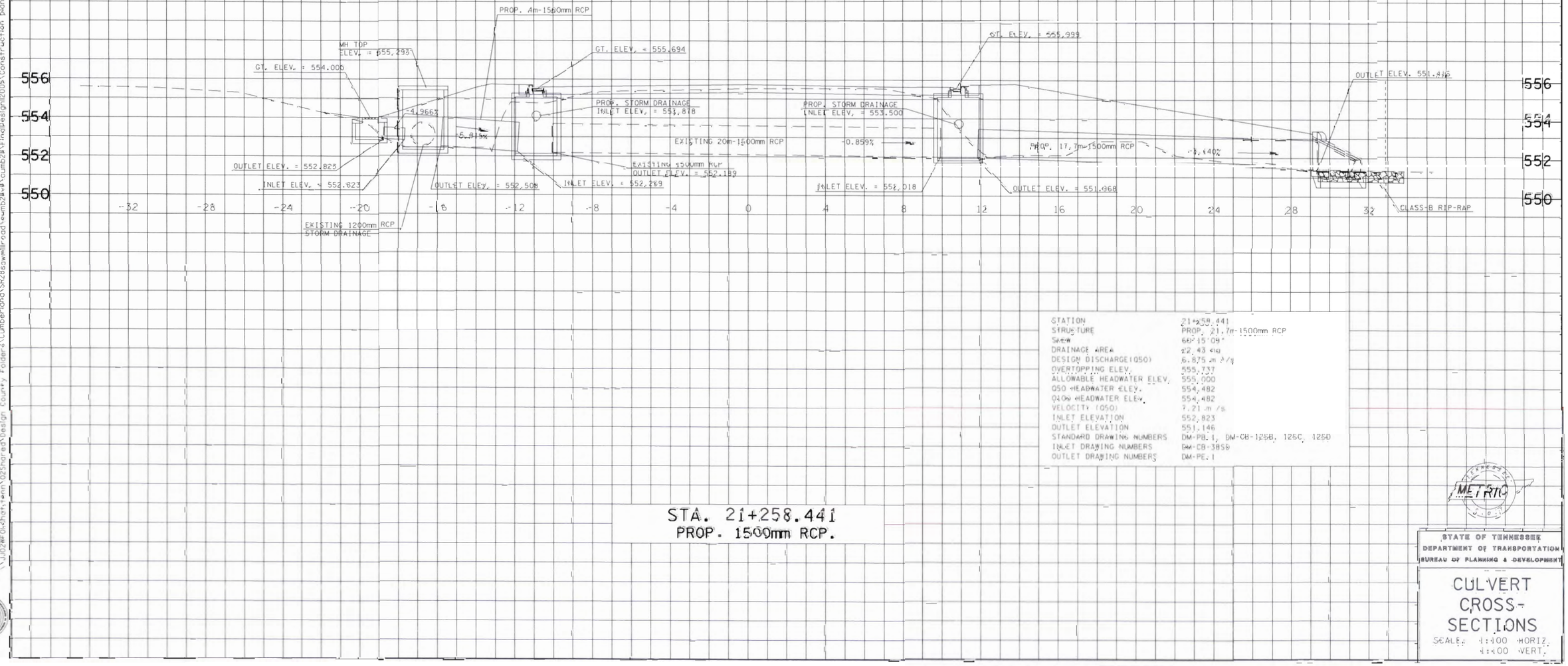
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2216-04	300
CONST.	2009	18006-3216-04	300



STATION	21+258.441
STRUCTURE	PROP. 21.7m-1500mm RCP
SKEW	66°15'09"
DRAINAGE AREA	22.43 sq
DESIGN DISCHARGE(Q50)	6.875 m 3/s
OVERTOPPING ELEV.	555.737
ALLOWABLE HEADWATER ELEV.	555.000
Q50 HEADWATER ELEV.	554.482
Q100 HEADWATER ELEV.	554.482
VELOCITY (Q50)	7.21 m/s
INLET ELEVATION	552.823
OUTLET ELEVATION	551.146
STANDARD DRAWING NUMBERS	DM-PB.1, DM-CB-125B, 125C, 125D
INLET DRAWING NUMBERS	DM-CB-385B
OUTLET DRAWING NUMBERS	DM-PE.1

STA. 21+258.441
PROP. 1500mm RCP.

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CULVERT CROSS-SECTIONS

SCALE: 1:100 HORIZ.
1:100 VERT.

Survey & Design Division

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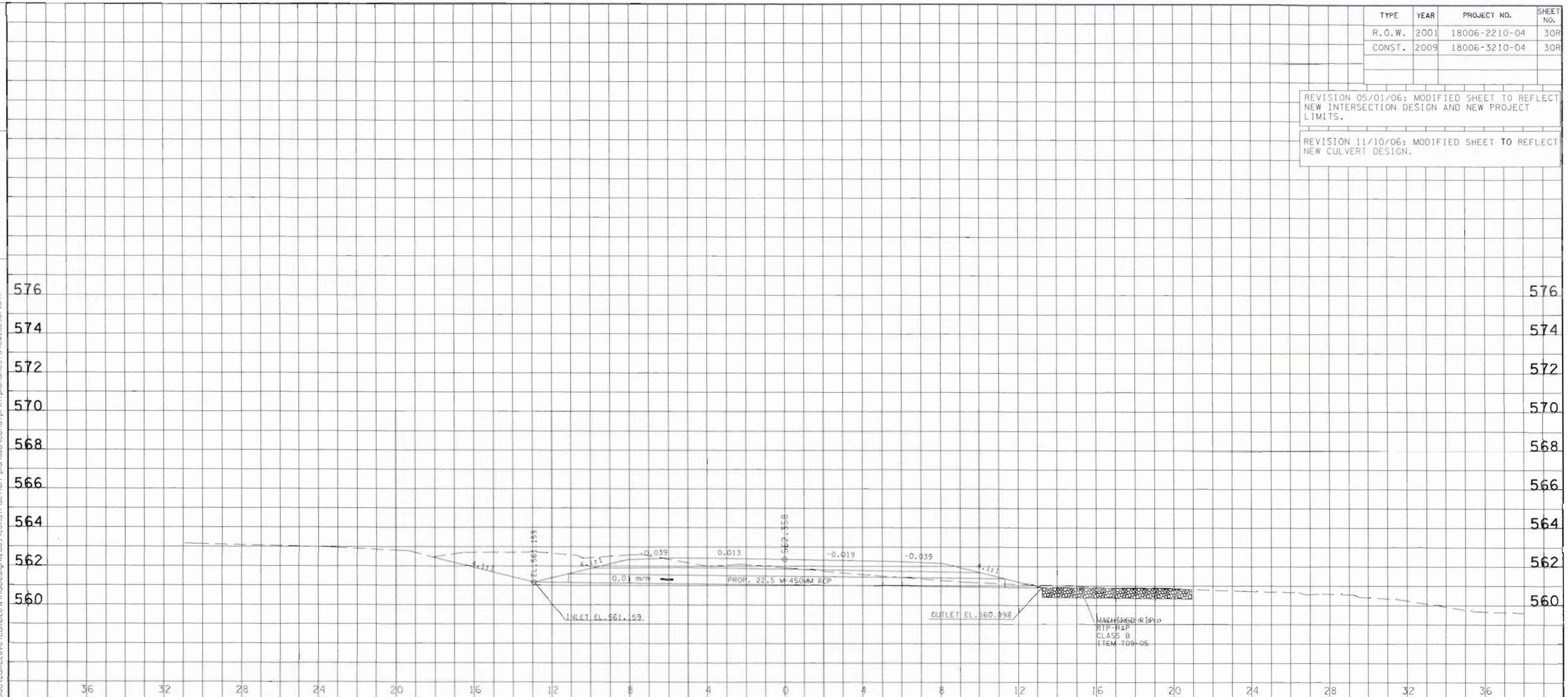
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30R
CONST.	2009	18006-3210-04	30R

REVISION 05/01/06: MODIFIED SHEET TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

REVISION 11/10/06: MODIFIED SHEET TO REFLECT NEW CULVERT DESIGN.



STA. 03+55.22 S.R.68
PROP. 22.5m-450mm RCP

STATION	3+55.22
STRUCTURE	22.5 M OF 450MM RCP
SKEW	75 52'47"
DRAINAGE AREA	2.03 ha
DESIGN DISCHARGE (Q50)	0.240 m³/s
DESIGN DISCHARGE (Q100)	0.267 m³/s
OVERTOPPING ELEV.	562.358
ALLOWABLE HEADWATER ELEV.	561.843
Q50 HEADWATER ELEV.	561.79
Q100 HEADWATER ELEV.	561.86
VELOCITY (Q50)	2.14 m /s
VELOCITY (Q100)	2.37 m /s
INLET ELEVATION	561.159
OUTLET ELEVATION	560.898
STANDARD DRAWING NUMBERS	
INLET DRAWING NUMBERS	DM-PE-4BA, 4BB
OUTLET DRAWING NUMBERS	DM-PE-4BA, 4BB

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

SCALE: 1:100 HORIZ.
1:100 VERT.

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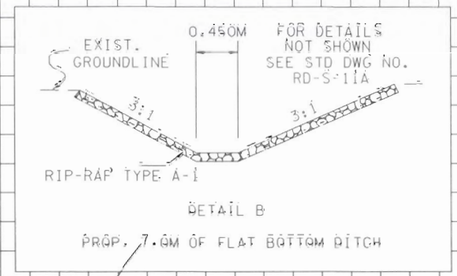
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	305
CONST.	2009	18006-3210-04	305

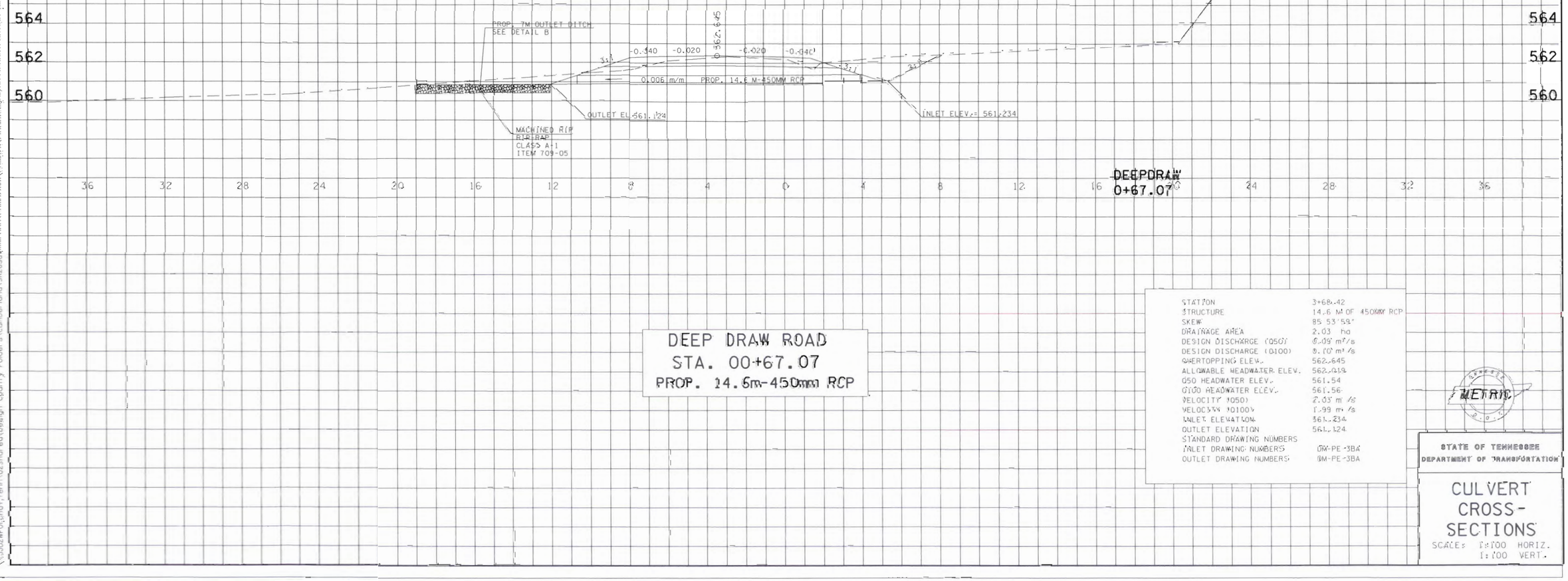
REVISION 05/01/06: MODIFIED SHEET TO REFLECT NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

REVISION 11/10/06: MODIFIED SHEET TO REFLECT NEW CULVERT DESIGN.



DETAIL B

PROP. 7.0M OF FLAT BOTTOM DITCH



DEEP DRAW ROAD
STA. 00+67.07
PROP. 14.6m-450mm RCP

STATION	3+68.42
STRUCTURE	14.6 M OF 450MM RCP
SKEW	85 53'59"
DRAINAGE AREA	2.03 ha
DESIGN DISCHARGE (Q50)	0.09 m³/s
DESIGN DISCHARGE (Q100)	0.10 m³/s
OVERTOPPING ELEV.	562.645
ALLOWABLE HEADWATER ELEV.	562.018
Q50 HEADWATER ELEV.	561.54
Q100 HEADWATER ELEV.	561.56
VELOCITY (Q50)	2.03 m/s
VELOCITY (Q100)	1.99 m/s
INLET ELEVATION	561.234
OUTLET ELEVATION	561.124
STANDARD DRAWING NUMBERS	
INLET DRAWING NUMBERS	DM-PE-3BA
OUTLET DRAWING NUMBERS	DM-PE-3BA

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

SCALES: H:100 HORIZ.
I:100 VERT.

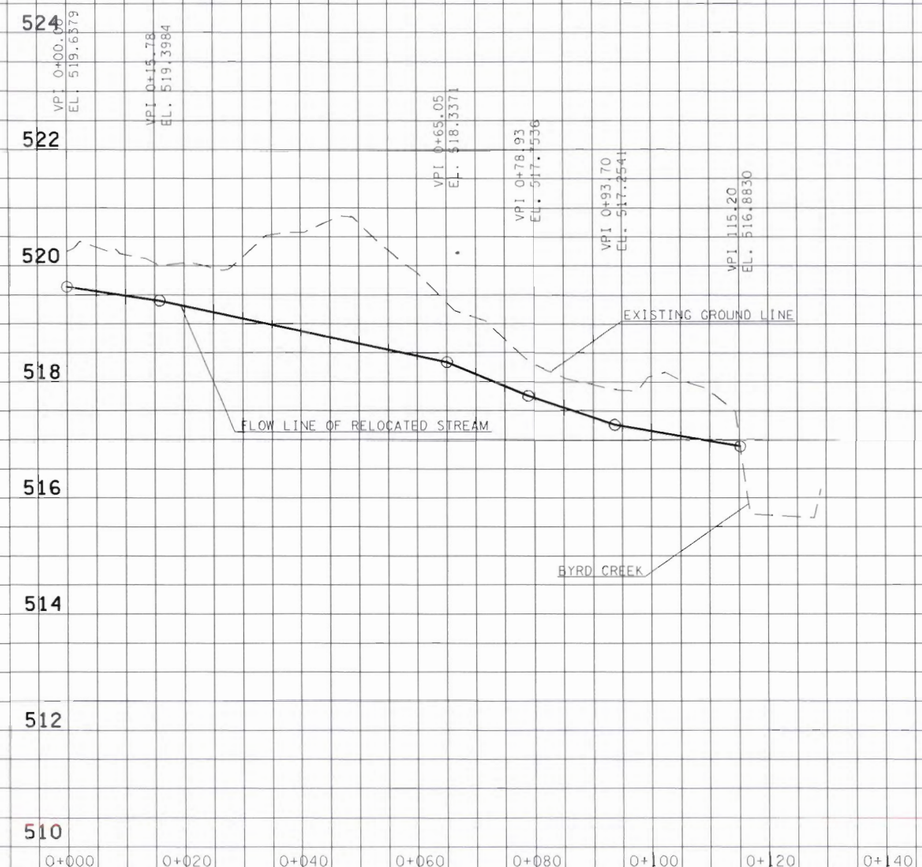
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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	30T
CONST.	2009	18006-3210-04	30T

REVISION 05/01/06: SHEET ADDED DUE TO NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.



S.R. 28 STREAM RELOCATION PROFILE
FROM STA. 17+111.93 TO STA. 17+218.63 RIGHT

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

SCALE: 1:500 HORIZ.
1:50 VERT.

24-FEB-2010 15:52
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