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

TENN.	YEAR	SHEET NO.
	2010	1
FED. AID PROJ. NO.		
STATE PROJ. NO.	18006- -04	

Index of Sheets
(See Sheet NO.1A)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

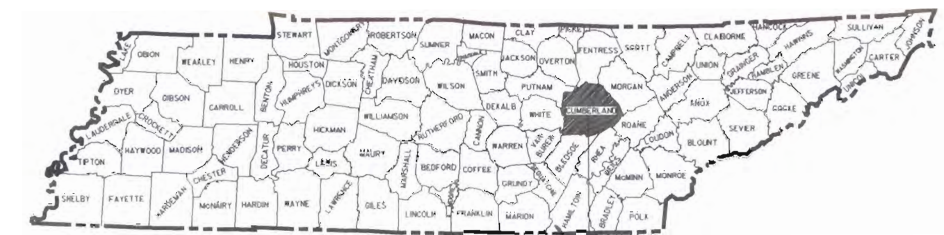
CUMBERLAND COUNTY

S.R. 28 (U.S. 127) FROM: S.R. 68
TO: CLEVELAND STREET IN CROSSVILLE

CONSTRUCTION

GRADE, BASE, DRAIN, PAVING SIGNING AND MARKING

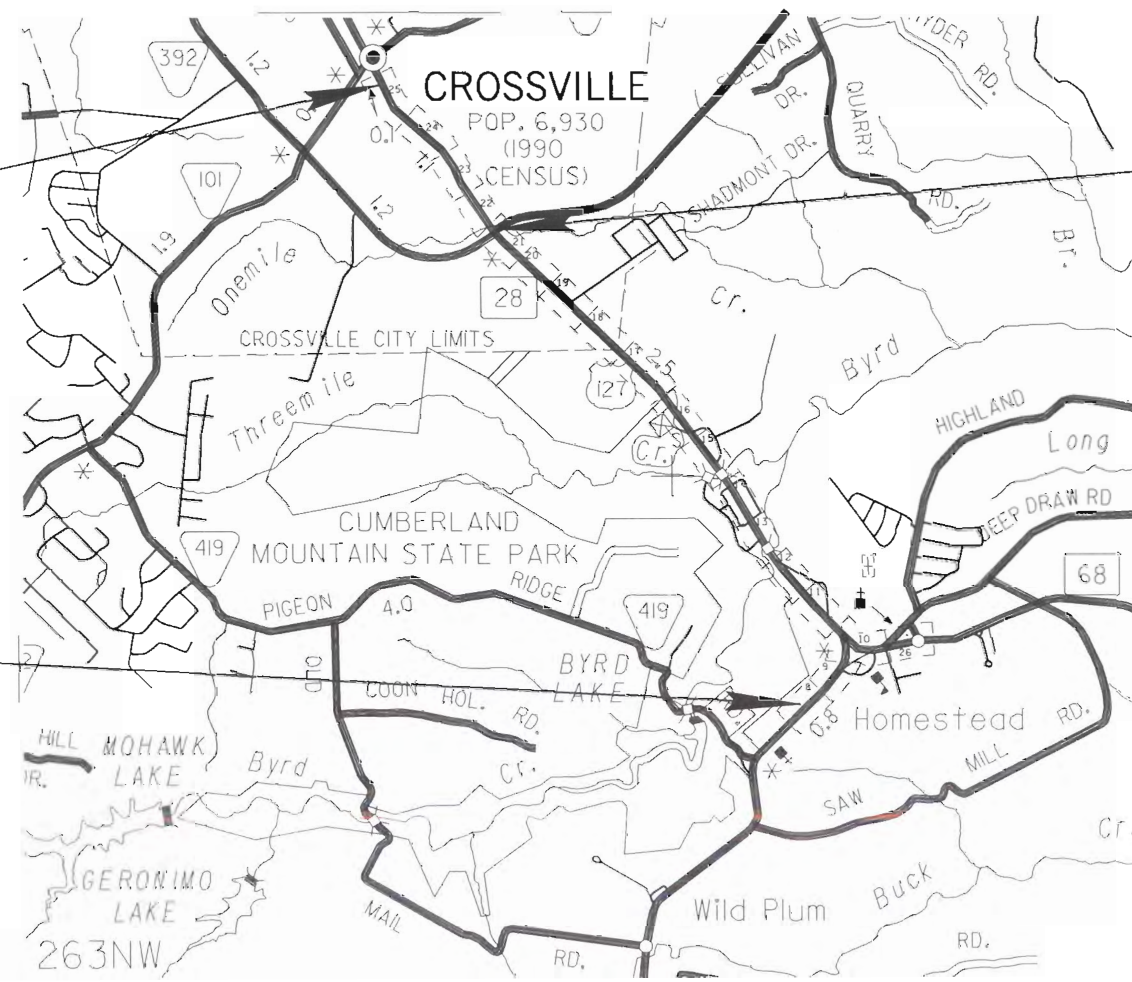
STATE HIGHWAY NO. 28   F.A.H.S. NO. 127



CUMBERLAND COUNTY
S.R. 28

N

S.R. 28
END PROJECT NO. 18006-3210-04
STA. 21+605.000   CONST.



ADJACENT PROJECT S.R. 392
SEE PROJECT NO. 18083-3209-04

1 0 1 2 3
SCALE = 1:28000

S.R. 28
BEGIN PROJECT NO. 18006-3210-04
STA. 15+700.00   CONST.

FOR CONST. FIELD REVIEW ONLY

NO EXCLUSIONS
NO EQUATIONS

METRIC

APPROVED: Paul D. Degges
CHIEF ENGINEER

DATE:

APPROVED: Gerald F. Nicely
COMMISSIONER

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

TDOT ROAD SP. SV. 2 ROBERT RODGERS
DESIGNER JAMES A. BALL JR   CHECKED BY
P.E. NO. 18006-1209-04
PIN NO. 101044.00

SCALE = 1:28000

ROADWAY LENGTH 5.905 km
BRIDGE LENGTH 0.000 km
BOX BRIDGE LENGTH 0.000 km
PROJECT LENGTH 5.905 km

TRAFFIC DATA	
ADT (2001)	12,310
ADT (2021)	21,050
DHV (2021)	2,105
D	65 - 35
T (ADT)	10 %
T (DHV)	7 %
V	70 km/h

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR   DATE

24-FEB-2010 13:49
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2009	18006-3210-04	1A

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

INDEX

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TRAFFIC CONTROL PLANS **(PHASE 3)**	36 – 36U
SIGNING AND PAVEMENT MARKING PLANS	37 – 37K
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UTILITIES INDEX, UTILITY OWNERS, AND UTILITY SHEETS	U1-1 – U7-xx

STANDARD ROADWAY DRAWINGS TO BE PRINTED WITH PLANS

DWG. NO.	REV	DESCRIPTION
SM-GR-11	11-26-07	W-BEAM & THRIE BEAM BARRIER RAIL AND RUB RAIL ALTERNATES
SM-GR-22	03-13-08	GUARDRAIL ATTACHMENT TO CONCRETE DECKS OF BOX AND SLAB CULVERTS AND BRIDGES
SM-GR-26	03-15-08	GUARDRAIL TERMINAL ANCHOR (TYPE 21) POST LAYOUT AND ERECTION DETAILS

STANDARD ROADWAY DRAWINGS

STANDARD BRIDGE DRAWINGS

DWG. NO	REV.	DESCRIPTION
STD-15-1	12-07-01	INDEX OF DRAWINGS AND TERMINOLOGY, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-2	4-08-05	GENERAL NOTES, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-3	2-28-03	DESIGN SECTION LIMITS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-4	12-07-01	TYPICAL SECTIONS AND DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-5	2-28-03	TYPICAL ELEVATIONS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE – 2000
STD-15-6	2-28-03	CURB AND RAIL DETAILS SKEW NOT LESS 45 DEG., STANDARD REINFORCED CONCRETE BRIDGE BOX OR SLAB TYPE - 2000
STD-15-7	3-02-02	STANDARD EDGE BEAM DETAILS FOR FILLS GREATER THAN 3'-8", STANDARD REINFORCED CONCRETE STD-15-812-07-01 INTERIOR WALL END TREATMENT, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-8	12-07-01	INTERIOR WALL END TREATMENT, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-9	2-28-03	TYPICAL WINGWALL DETAILS AND NOTES, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-11		WINGWALL DIMENSIONS AND QUANTITIES, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-12	4-08-05	WINGWALL AND SPECIAL RETAINING WALL DESIGN SECTIONS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-13		WINGWALL DESIGN SECTIONS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-14	2-28-03	BACKFILL AND DRAINAGE DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-15		BACKFILL DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-16A		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET - 2007
STD-15-18		DEBRIS DEFLECTION WALL FOR SLAB BRIDGE, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE – 2000
STD-15-19		SIDEWALK AND MISCELLANEOUS DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-20		WARPED SLOPE DETAIL, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-22	2-28-03	EXTENSION DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-23	12-07-01	EXTENSION DETAILS FOR SCOURED OUTLETS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE - 2000
STD-15-24	12-07-01	END SECTION DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE – 2000
STD-15-25		PRECAST BOX CULVERT DETAILS, STANDARD REINFORCED CONCRETE BRIDGE BOX TYPE - 2000
STD-15-26		PRECAST BOX CULVERT DETAILS - 2000
STD-15-27		PRECAST BOX CULVERT DETAILS - 2000
STD-15-28		PRECAST BOX CULVERT DETAILS - 2000
STD-15-29		PRECAST BOX CULVERT DETAILS - 2000
STD-15-100	2-28-03	STANDARD REINFORCED CONCRETE SLAB BRIDGE, INTERIOR SECTION, SPANS: 1 BARREL AT 12'-0", CLEAR HEIGHTS 4'-0" THRU 7'-0", 0' THRU 60' FILL – 2000
STD-15-101	2-28-03	STANDARD REINFORCED CONCRETE SLAB BRIDGE, INTERIOR SECTION, SPANS: 1 BARREL AT 12'-0", CLEAR HEIGHTS 8'-0" THRU 12'-0", 0' THRU 60' FILL - STD-15-125 2-28-03 STANDARD REINFORCED CONCRETE SLAB BRIDGE, INTERIOR SECTION, SPANS: 2 BARRELS AT 16'-0", CLEAR HEIGHTS 6'-0" THRU 8'-0", 0' THRU 60' FILL - 2000
STD-15-127	2-28-03	STANDARD REINFORCED CONCRETE SLAB BRIDGE, INTERIOR SECTION, SPANS: 2 BARRELS AT 16'-0", CLEAR HEIGHTS 13'-0" THRU 16'-0", 0' THRU 60' FILL – 2000

ROADWAY DESIGN STANDARDS

DWG. NO	REV.	DESCRIPTION
RDM-A-1	12-18-99	STANDARD ABBREVIATIONS
RDM-L-1	07-29-96	STANDARD LEGEND
RDM-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RDM-L-3	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RDM-L-4	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RDM-L-5	04-15-04	STANDARD LEGEND FOR EROSION AND SEDIMENT CONTROL
RDM-L-6	04-15-04	STANDARD LEGEND FOR EROSION AND SEDIMENT
RDM-S-11	03-31-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RDM-S-11A	03-31-03	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RDM-SE-2	11-01-95	URBAN SUPERELEVATION DETAILS
RDM-SE-3	11-01-95	RURAL SUPERELEVATION DETAILS
RDM-TS-1	03-31-03	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RDM-TS-2	03-31-03	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RDM-TS-3C	03-31-03	DESIGN STANDARDS 4-6 LANE ARTERIAL HIGHWAYS WITH FLUSH MEDIANS
RDM-TS-4	03-31-03	DESIGN STANDARDS 1 & 2 LANE RAMPS
RDM-TS-6	03-31-03	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RDM-TS-6A	03-31-03	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RDM-TS-7	03-31-03	DESIGN STANDARDS 2-LANE HIGHWAY WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RDM-TS-7A	03-31-03	DESIGN STANDARDS 2-LANE CURB & GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RDM-UD-3	09-05-96	UNDERDRAIN DETAILS
RDM-UD-4	11-11-02	UNDERDRAIN LATERAL DETAILS

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DEPARTMENT OF TRANSPORTATION

INDEX AND
STANDARD
DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2009	18006-3210-04	1B

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

STANDARD ROADWAY DRAWINGS (CONTINUED)

DRAINAGE - CULVERTS AND ENDWALL

DM-PB-1	04-15-07	STANDARD DETAILS CLASS "B" BEDDING AND CULVERT EXCAVATION
DM-PB-2	07-12-07	STANDARD DETAILS FOR HDPE PIPE INSTALLATION
DM-PE-1	11-01-95	TYPE "A" CONCRETE ENDWALL (900 mm TO 1950 mm - 2:1 SLOPE)
DM-PE-3BA	07-17-07	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 450 mm THRU 1200 mm PIPES) (3:1 SLOPE)
DM-PE-4BA	03-30-00	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 450 mm THRU 1200 mm PIPES) (4:1 SLOPE)
DM-PE-9	11-01-95	CONCRETE ENDWALLS TYPE "B" (FOR ROUND & SIDE TAPERED INLETS) - PIPE SIZES 375 mm TO 1950 mm, ALL SKEWS, 2:1 AND 4:1
DM-PE-9A	11-01-95	CONCRETE ENDWALLS TYPE "B" GENERAL DIMENSIONS AND QUANTITIES, ROUND PIPE SIZES 375 mm TO 1950 mm, ALL SKEWS, 2:1 AND 4:1 SLOPES
DM-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE

DRAINAGE - CATCH BASINS AND MANHOLES

DM-CB-12SB	07-29-02	1219 mm X 1219 mm SQUARE CONCRETE NO. 12 CATCH BASIN
DM-CB-12SC	09-11-02	1575 mm X 1575 mm SQUARE CONCRETE NO. 12 CATCH BASIN
DM-CB-12SD	09-11-02	2134 mm X 2134 mm SQUARE CONCRETE NO. 12 CATCH BASIN
DM-CB-38RB	09-05-04	PRECAST CIRCULAR NO. 38 CATCH BASIN
DM-CBB-12A	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16 AND 17 TYPE CATCH BASINS
DM-MH-2	05-27-01	MASONRY & PRECAST NO. 3 MANHOLE
DM-MH-3	04-15-00	PRECAST CIRCULAR LID DETAILS FOR NO. 3 MANHOLE

ROADWAY AND PAVEMENT APPURTENANCES

RPM-D-16		DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RPM-H-3	07-17-07	HANDCAP RAMP AND TRUNCATED DOME SURFACE DETAIL
RPM-H-5		PARALLEL CURB RAMP
RPM-H-9		PARALLEL HANDICAP RAMP FOR 6.1 m THRU 18.3 m RADIUS
RPM-I-5	12-18-96	EXAMPLES OF STREET AND ALLEY INTERSECTIONS
RPM-NMC-11	02-28-02	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RPM-R-1	05-27-01	RAMPS TO SIDE ROADS
RPM-S-7	07-29-96	DETAILS FOR STANDARD CONCRETE SIDEWALKS

SAFETY APPURTENANCES AND FENCE

SM-F-10B	05-27-01	RIGHT-OF-WAY CHAIN LINK FENCE
SM-GR-11	06-30-05	W-BEAM & THRIE BEAM BARRIER RAIL AND RUB RAIL ALTERNATES
SM-GR-12	05-27-03	W-BEAM BARRIER POST DETAILS AND SPECIFICATIONS
SM-GR-13	05-27-03	BARRIER RAIL MOUNTING POST BLOCK-OUTS WITH VERTICAL ADJUSTMENT HOLES
SM-GR-13A		BARRIER RAIL MOUNTING POST FOR PLASTIC BLOCK-OUTS WITH HORIZONTAL ADJUSTMENT HOLES
SM-GR-14	09-05-98	W-BEAM BARRIER FASTENING HARDWARE AND BRIDGE APPROACH DELINEATORS
SM-GR-15	06-30-05	W-BEAM BARRIER TERMINAL ELEMENT DETAILS
SM-GR-18	05-27-01	GUARDRAIL TERMINAL (TYPE IN-LINE) AND SHOULDER LINE DETAIL
SM-GR-19	10-06-06	GUARDRAIL TERMINAL ANCHORS, TYPE 12 AND TYPE 13
SM-GR-19C		GUARDRAIL TERMINAL ANCHOR, TYPE 13 ALTERNATE
SM-GR-38	05-05-05	DETAILS FOR CONSTRUCTION OF EARTH PAD FOR TYPE 38 GUARDRAIL END TERMINALS
SM-GR-38A	06-30-05	DETAILS FOR CONSTRUCTION OF ALTERNATE EARTH PAD FOR TYPE 38 GUARDRAIL END TERMINALS
SM-GR-43		TANGENTIAL GUARDRAIL TERMINAL ANCHOR (TYPE 38) POST LAYOUT AND ERECTION DETAILS
SM-GR-44		TANGENTIAL GUARDRAIL TERMINAL ANCHOR (TYPE 38) (2 TUBE) GUARDRAIL ELEMENT POST AND ASSEMBLY DETAILS
SM-RP-2	01-19-99	CONCRETE RIGHT-OF-WAY MARKERS

TRAFFIC CONTROL APPURTENANCES

TM-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
TM-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
TM-F0-4		FIBER OPTIC PULL BOX, CABINET & POLE DETAILS
TM-L-1	02-15-07	STANDARD LIGHTING FOUNDATION DETAILS
TM-L-1TM		LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
TM-L-3	11-01-95	LIGHTING DETAILS - PULL BOXES
TM-L-4	07-29-04	LIGHTING DETAILS CONDUIT, CABLE INSTALLATION
TM-M-1	04-15-04	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
TM-M-2	09-05-04	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
TM-M-3	11-01-95	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
TM-M-4	03-15-07	STANDARD INTERSECTION PAVEMENT MARKINGS
TM-M-9	11-30-04	MARKING DETAILS FOR RAMP INTERSECTIONS
TM-PBR-2	10-10-06	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
TM-S-7	11-01-95	HIGHWAY SHIELDS USED ON INTERSTATE AND U.S. NUMBERED ROUTES
TM-S-8	11-01-95	HIGHWAY SHIELDS USED ON STATE ROUTES AND ARROWS
TM-S-9	11-01-95	LAYOUT - GROUND MOUNTED SIGNS
TM-S-10	05-27-03	MOUNTING DETAILS - FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
TM-S-11	05-27-01	DELINEATOR AND MILEPOST DETAILS
TM-S-12	05-27-03	STEEL GROUND MOUNTED SIGNS, BREAKAWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
TM-S-13	05-27-01	STEEL GROUND MOUNTED SIGNS, BREAKAWAY TYPE POST FOOTING DETAILS, I-BEAMS
TM-S-14	05-27-01	STEEL GROUND MOUNTED SIGNS, BREAKAWAY TYPE POST FOOTING DETAILS, WF-BEAMS
TM-S-16	10-23-06	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
TM-S-19	11-01-95	STANDARD MEMBERS BENDAWAY SIGN SUPPORTS STEEL DESIGN
TM-S-20	05-27-01	SIGN DETAILS
TM-SG-1	07-29-04	WOOD POLE DETAILS FOR SPAN MOUNTED SIGNALS
TM-SG-2	07-29-04	LOOP LEAD-INS, CONDUIT AND PULL BOXES
TM-SG-3	11-11-04	NOTES AND DETAILS OF INDUCTIVE LOOPS
TM-SG-3A		ALTERNATE DETECTION DETAILS
TM-SG-4		SPAN WIRE AND MESSENGER CABLE DETAILS
TM-SG-5	07-29-04	CONTROLLER CABINET DETAILS
TM-SG-7	07-29-04	SIGNAL HEAD ASSEMBLIES AND PEDESTRIAN PUSH BUTTON DETAILS
TM-SG-7A	07-29-04	TYPICAL SIGNAL HEAD PLACEMENT
TM-SG-8	07-29-04	STRAIN POLE DETAILS FOR SPAN MOUNTED SIGNALS
TM-SG-9	07-29-04	DETAILS OF CANTILEVER SIGNAL SUPPORT
TM-SG-9A		MISCELLANEOUS SIGNAL DETAILS
TM-SG-10	02-15-07	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
TM-SG-11	07-29-04	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
TM-SG-12	07-29-04	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
TM-SG-13		FLASHING BEACON DETAIL
TM-WZ-10	01-19-01	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

EROSION CONTROL AND LANDSCAPING

ECM-STR-1	03-15-04	PAY ITEMS, GENERAL NOTES, AND TEMPORARY DEWATERING STRUCTURE
ECM-STR-2	04-15-06	TEMPORARY SEDIMENT FILTER BAGS
ECM-STR-3B	04-15-06	TEMPORARY SILT FENCE
ECM-STR-3C	04-15-06	TEMPORARY SILT FENCE WITH BACKING
ECM-STR-3E	04-15-06	EROSION CONTROL FABRIC JOINING DETAILS
ECM-STR-6	04-15-06	ROCK CHECK DAMS
ECM-STR-11	04-15-06	ROCK SILT SCREENS
ECM-STR-19	04-15-06	CATCH BASIN PROTECTION
ECM-STR-21	05-27-01	PERMANENT RIP-RAP BASIN ENERGY DISSIPATER
ECM-STR-27	04-15-06	TEMPORARY SLOPE DRAINS AND BERMS
ECM-STR-31	04-15-06	TEMPORARY DIVERSION CHANNELS
ECM-STR-31A	04-15-06	TEMPORARY DIVERSION CHANNELS DESIGN
ECM-STR-32	04-15-06	TEMPORARY DIVERSION CULVERTS
ECM-STR-39	04-15-06	CURB INLET PROTECTION TYPE 1 & 2
ECM-STR-57		GABION ASSEMBLY DETAILS
ECM-STR-58		GABION ASSEMBLY DETAILS
ECM-STR-59	04-15-06	GABION CHECK DAM GENERAL NOTES AND COMPONENT PROPERTIES
ECM-STR-60	04-15-06	TEMPORARY SEDIMENT TRAP WITH TEMPORARY GABION CHECK DAM
ELM-P-10	05-27-96	TYPICAL ROADWAY LANDSCAPE PLANTING DETAILS
ELM-P-11	05-27-96	TYPICAL MATURE PLANT SPREAD AND CRITERIA FOR PROXIMITY TO ROADWAY
ELM-W-1	05-27-96	DETAILS OF TREE WALLS
ELM-W-2	05-27-01	STANDARD GRAVITY-TYPE RETAINING WALLS

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARD DRAWINGS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2009	18006-3210-04	2

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
105M01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201M01	CLEARING AND GRUBBING	LS	1
202M03.01	REMOVAL OF ASPHALT PAVEMENT	m2	1400
202M06.01	REMOVAL OF BUILDINGS (TRACT NO. 30)	LS	1
202M06.02	REMOVAL OF BUILDINGS (TRACT NO. 46)	LS	1
202M06.03	REMOVAL OF BUILDINGS (TRACT NO. 47)	LS	1
202M06.04	REMOVAL OF BUILDINGS (TRACT NO. 48)	LS	1
202M06.05	REMOVAL OF BUILDINGS (TRACT NO. 48A)	LS	1
203M01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	m3	143121
203M02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TONN	457
203M03	BORROW EXCAVATION (UNCLASSIFIED)	m3	45723
203M04	PLACING AND SPREADING TOPSOIL	m3	12250
203M06	WATER	m3	58800
203M07	FURNISHING & SPREADING TOPSOIL	m3	7640
204M08	FOUNDATION FILL MATERIAL	m3	150
209M02.05	300mm TEMPORARY SLOPE DRAIN	m	1095
209M03	CHECK DAMS	m2	6006
209M05	SEDIMENT REMOVAL	m3	1364
209M08.02	TEMPORARY SILT FENCE (WITH BACKING)	m	32000
209M08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	m	3000
209M10.01	TEMPORARY DEWATERING STRUCTURE	m3	1362
209M40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	13
209M40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	100
209M40.44	CATCH BASIN FILTER ASSEMBLY(TYPE 4)	EACH	12
209M40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	10
303M01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TONN	101256
303M01.01	GRANULAR BACKFILL (ROADWAY)	TONN	12575
303M10.01	MINERAL AGGREGATE (SIZE 57)	TONN	362
307M01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TONN	1781
307M01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TONN	1706
307M02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TONN	23368
307M02.02	ASPHALT CEMENT (PG70-22) (BPMB-HM) GRADING A-S	TONN	24680
307M02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TONN	15306
402M01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TONN	269
403M01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TONN	39
411M01.07	(SHOULDER)	TONN	811
411M01.10	ACS MIX(PG64-22) GRADING D	TONN	1811
411M02.10	ACS MIX(PG70-22) GRADING D	TONN	8617
604M01.01	CLASS A CONCRETE (ROADWAY)	m3	1366
604M01.02	STEEL BAR REINFORCEMENT (ROADWAY)	kg	125219
607M03.02	450mm CONCRETE PIPE CULVERT (CLASS III)	m	7370
607M05.02	600mm CONCRETE PIPE CULVERT (CLASS III)	m	750
607M06.02	750mm CONCRETE PIPE CULVERT (CLASS III)	m	50
607M07.02	900mm CONCRETE PIPE CULVERT (CLASS III)	m	20
607M08.02	1050mm CONCRETE PIPE CULVERT (CLASS III)	m	70
607M11.03	1500mm CONCRETE PIPE CULVERT (CLASS III)	m	30
607M39.02	450mm PIPE CULVERT (SIDE DRAIN)	m	350
611M07.01	CLASS A CONCRETE (PIPE ENDWALLS)	m3	61
611M07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	kg	4650
611M07.03	STRUCTURAL STEEL (PIPE ENDWALLS)	kg	5405
611M12.02	CATCH BASINS, TYPE 12, > 1m - 2m DEPTH	EACH	89

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
611M12.03	CATCH BASINS, TYPE 12, > 2m - 3m DEPTH	EACH	11
611M12.04	CATCH BASINS, TYPE 12, > 3m - 4m DEPTH	EACH	6
611M12.05	CATCH BASINS, TYPE 12, > 4m - 5m DEPTH	EACH	6
611M14.02	CATCH BASINS, TYPE 14, > 1m - 2m DEPTH	EACH	4
611M14.04	CATCH BASINS, TYPE 14, > 3m - 4m DEPTH	EACH	1
611M14.10	CATCH BASINS, TYPE 14, >(6m - 7m DEPTH)	EACH	5
611M38.02	CATCH BASINS, TYPE 38, > 1m - 2m DEPTH	EACH	13
701M01.01	CONCRETE SIDEWALK (100mm)	m2	13505
702M03	CONCRETE COMBINED CURB & GUTTER	m3	2043
705M02.02	SINGLE GUARDRAIL (TYPE 2)	m	1192
705M04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	15
705M04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	10
705M04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	5
708M02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	125
709M05.06	MACHINED RIP-RAP (CLASS A-1)	TONN	420
709M05.08	MACHINED RIP-RAP (CLASS B)	TONN	1200
707M01.01	CHAIN-LINK FENCE (1.2m)	m	270
707M01.12	END & CORNER POST ASSEMBLY(CHAIN-LINK FENCE 1.8m)	EACH	6
710M02	AGGREGATE UNDERDRAINS (WITH PIPE)	m	13360
710M05	LATERAL UNDERDRAIN	m	2250
710M06.13	LATERAL UNDERDRAIN ENDWALL (4:1)	EACH	230
712M01	TRAFFIC CONTROL	LS	1
712M02.02	INTERCONNECTED PORTABLE BARRIER RAIL	m	6500
712M04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	100
712M05.03	WARNING LIGHTS (TYPE C)	EACH	100
712M06	SIGNS (CONSTRUCTION)	m2	105
712M06.01	VERTICAL PANELS	m2	200
716M02.01	PLASTIC PAVEMENT MARKING (100mm LINE)	km	32
716M02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	m2	1300
716M02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	m	90
716M04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	2
716M02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	64
716M05.01	PAINTED PAVEMENT MARKING (100mm LINE)	km	3
740M10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	m2	700
801M01	SEEDING (WITH MULCH)	UNIT	1830
801M01.02	CROWN VETCH MIXTURE (WITH MULCH)	UNIT	168
801M01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	1830
801M03	WATER (SEEDING & SODDING)	m3	1451
801M07	SEED (SUPPLEMENTAL APPLICATION)	kg	210
801M07.01	CROWN VETCH SEED (SUPPLEMENTAL APPLICATION)	kg	20
801M08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TONN	4
803M01	SODDING (NEW SOD)	m2	24400

ESTIMATED BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
604M02.01	CLASS A CONCRETE (BOX BRIDGES)	m3	
604M02.02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	kg	
604M03.01	CLASS A CONCRETE (BRIDGES)	m3	
604M03.02	STEEL BAR REINFORCEMENT (BRIDGES)	kg	

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY AND BRIDGE QUANTITIES

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2009	18006-3210-04	2A

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES
FOOTNOTES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2009	18006-3210-04	2A

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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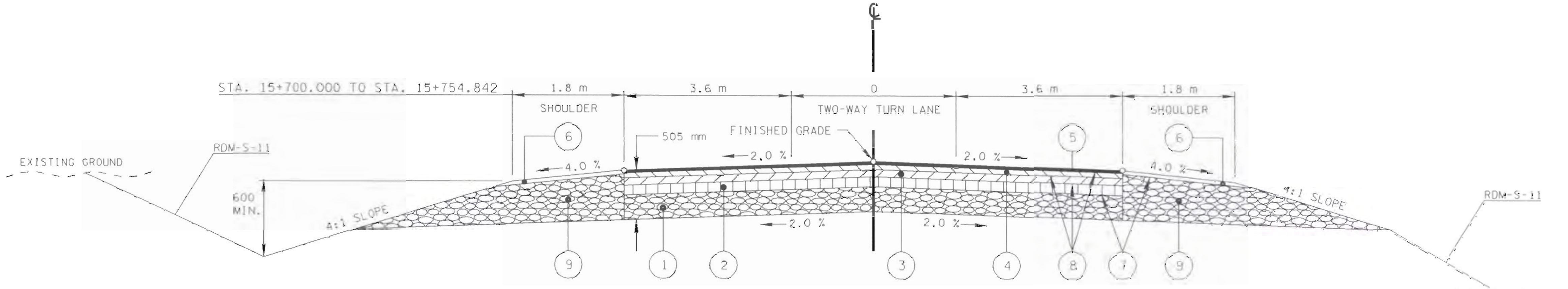
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

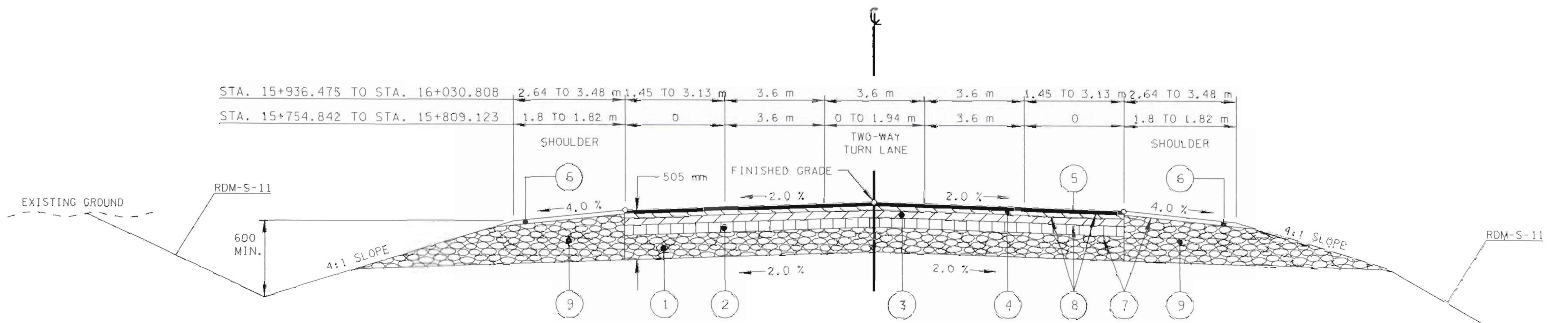
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	2
CONST.	2010	18006-3210-04	2D

REVISION 05/01/06: MODIFIED TYPICAL SECTIONS TO REFLECT CHANGES MADE FOR NEW INTERSECTION DESIGN.



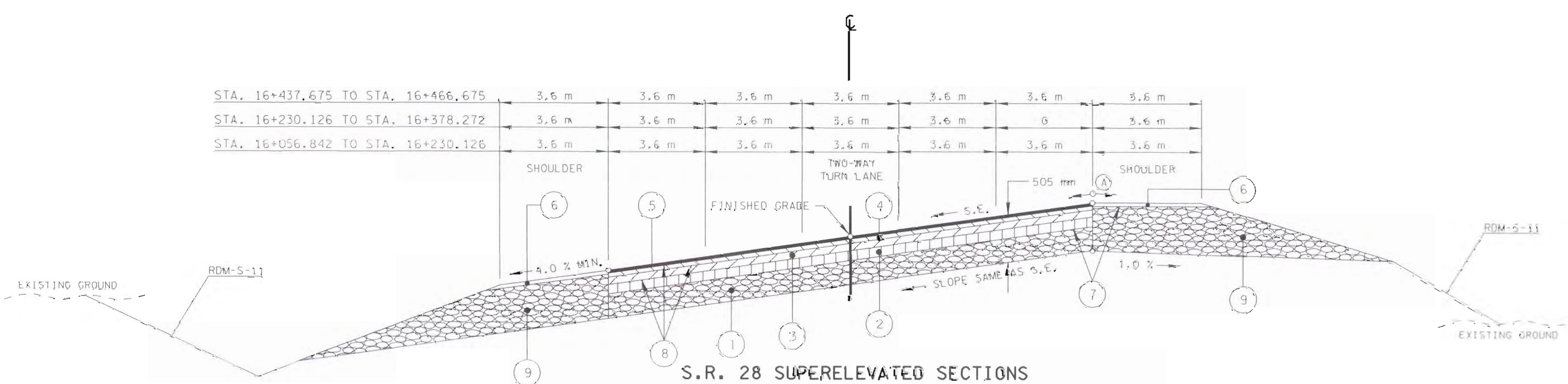
S.R. 28 TANGENT SECTION

(BASED ON STD. DWG. RDM-TS-3C)



S.R. 28 TRANSITION TANGENT SECTIONS

(BASED ON STD. DWG. RDM-TS-3C)



S.R. 28 SUPERELEVATED SECTIONS

(BASED ON STD. DWG. RDM-TS-3D)

(A) THE SLOPES OF THE SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.

METRIC

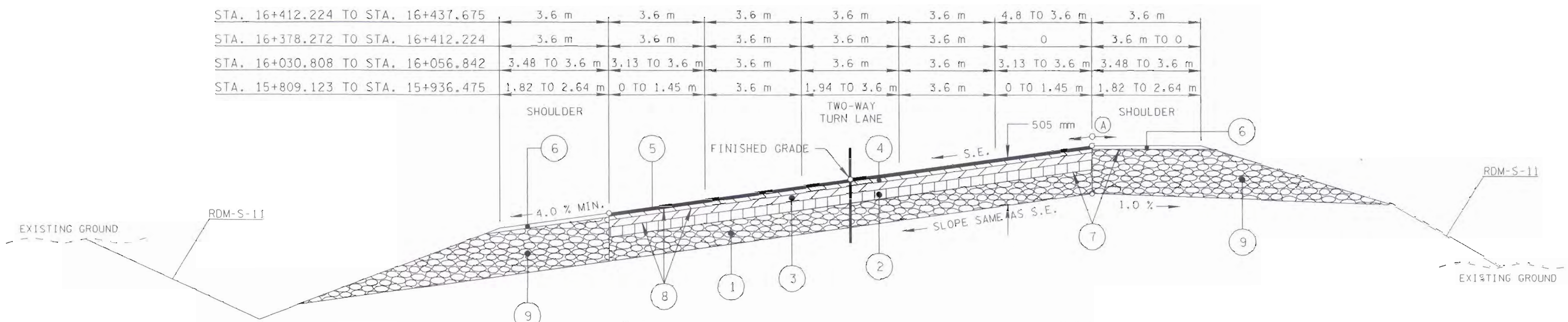
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	2A
CONST.	2010	18006-3210-04	2E

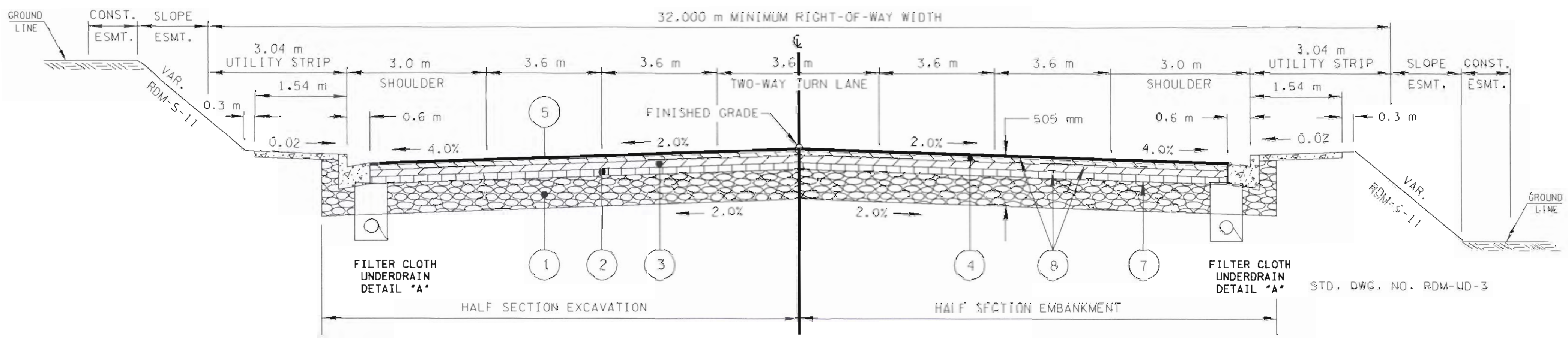
REVISION 05/01/06: MODIFIED TYPICAL SECTIONS TO REFLECT CHANGES MADE FOR NEW INTERSECTION DESIGN.



S.R. 28 SUPERELEVATED TRANSITION SECTIONS

(BASED ON STD. DWG. RDM-TS-3C)

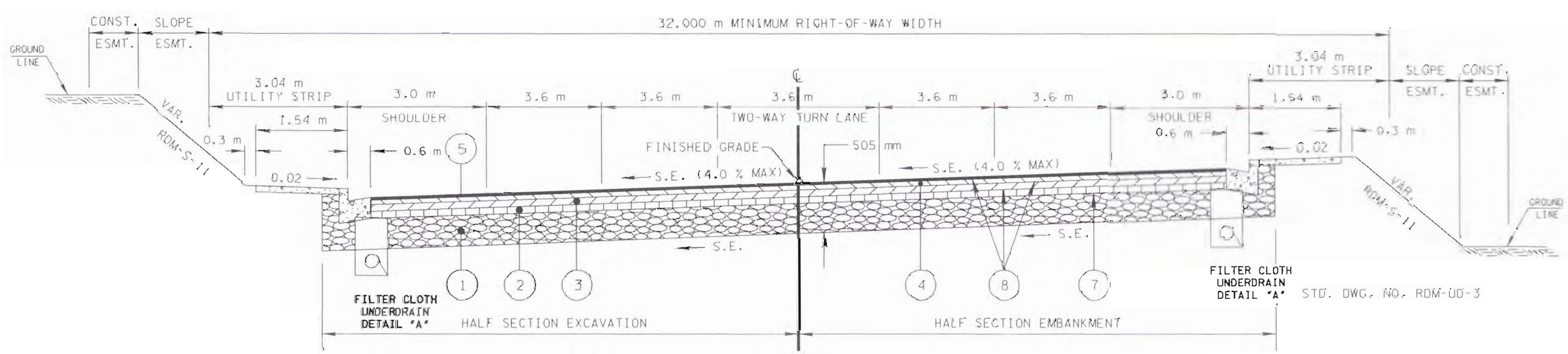
(A) THE SLOPES OF THE SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.



S.R. 28 TANGENT SECTIONS

STD. DWG. NO. RDM-TS-6

S.R. 28 / U.S. 127
STA. 16+466.675 TO STA. 18+631.378
STA. 18+914.128 TO STA. 20+240.000



S.R. 28 SUPERELEVATED SECTIONS

STD. DWG. NO. RDM-TS-6

S.R. 28 / U.S. 127
STA. 18+631.378 TO STA. 18+914.128
STA. 20+240.000 TO STA. 20+421.000

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

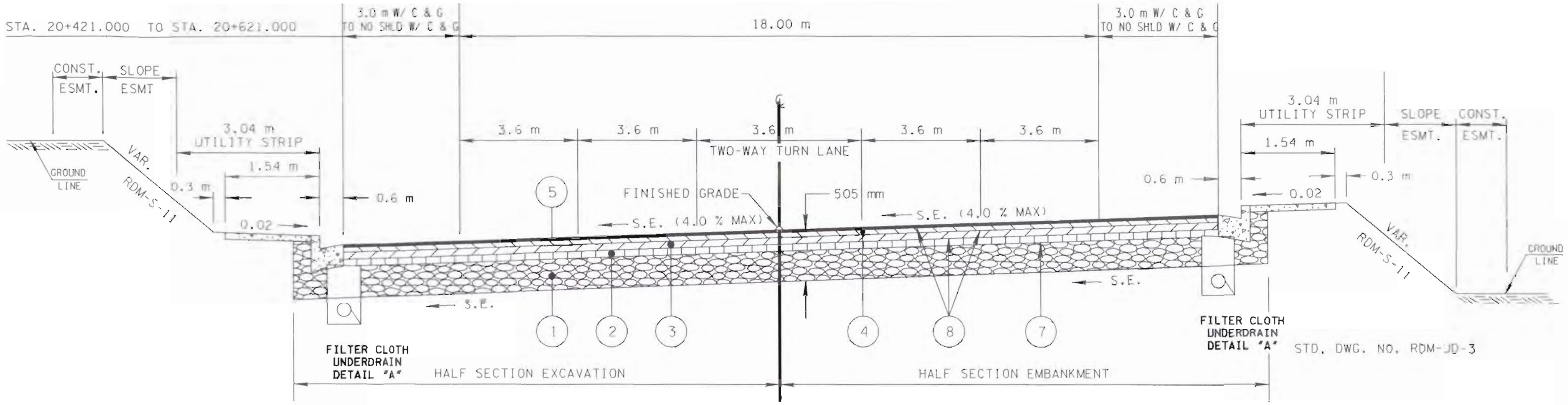
TYPICAL SECTIONS AND PAVEMENT SCHEDULE

24-FEB-2010 13:50

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

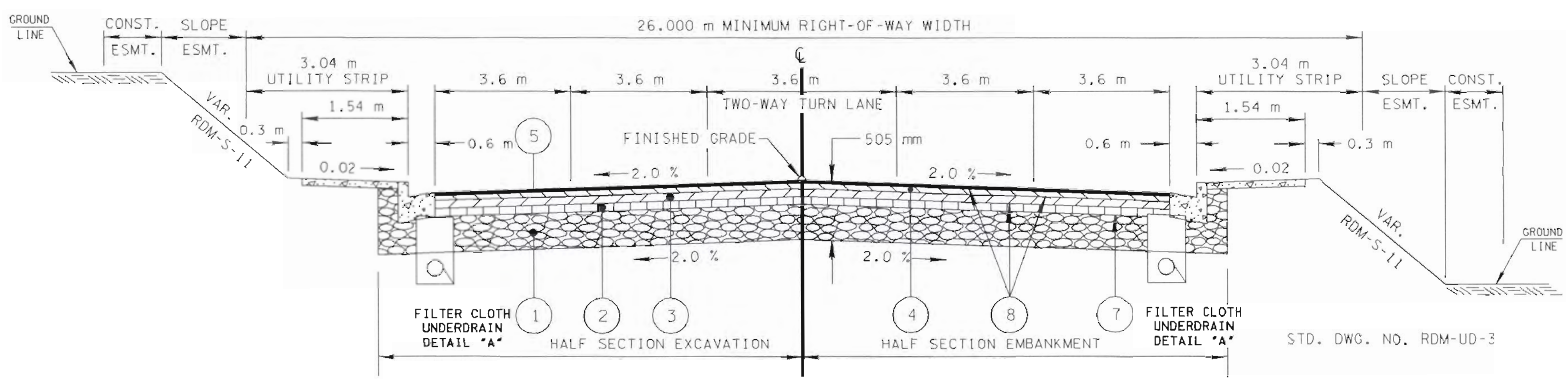
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	2B
CONST.	2010	18006-3210-04	2F

REVISION 05/01/06: MODIFIED TYPICAL SECTIONS TO REFLECT CHANGES MADE FOR NEW INTERSECTION DESIGN.



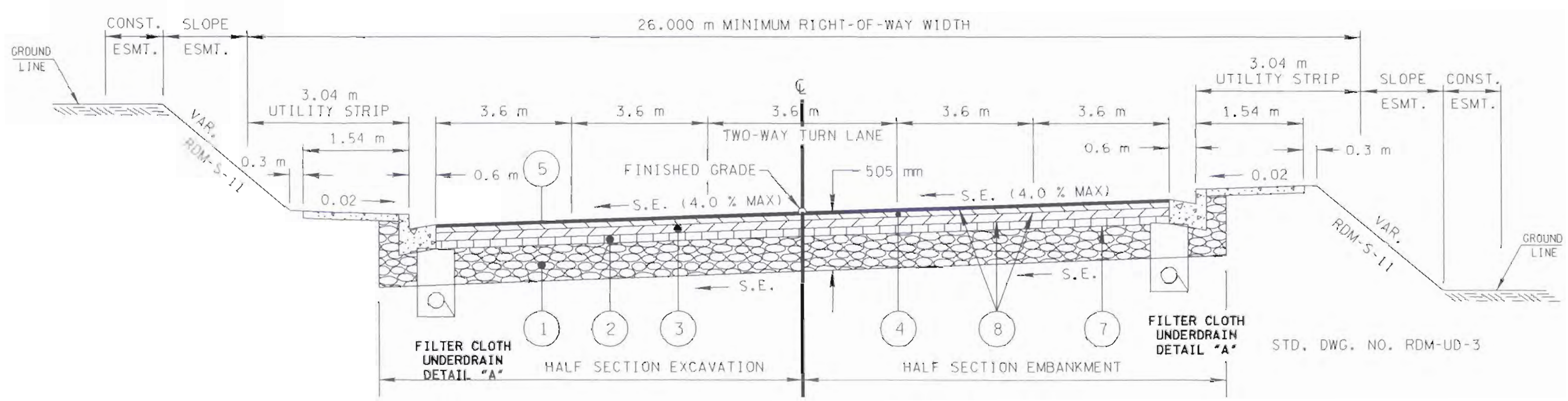
S.R. 28 SUPERELEVATED TRANSITION SECTION

STD. DWG. NO. RDM-TS-6



S.R. 28 TANGENT SECTIONS

S.R. 28 / U.S. 127 — STA. 20+889.970 TO STA. 20+948.525; STA. 21+372.710 TO STA. 21+480.000 — STD. DWG. NO. RDM-TS-6A



S.R. 28 SUPERELEVATED SECTIONS

S.R. 28 / U.S. 127 — STA. 20+621.000 TO STA. 20+889.970; STA. 20+948.525 TO STA. 21+372.710 — STD. DWG. NO. RDM-TS-6A

S.R. 28 PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE BASE
250 mm THICK (APPROX. 430 KG/SQ M)
303M-01 MINERAL AGGREGATE BASE, TYPE "A" BASE GRADING "D"

(2) BITUMINOUS BINDER GRADING "A-S"
100 mm THICK (APPROX. 192 KG/SQ M)
307M02.02 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A-S"
307M02.03 AGGREGATE (BPMB-HM) GRADING A-S MIX

(3) BITUMINOUS BINDER GRADING "A"
75 mm THICK (APPROX. 183 KG/SQ M)
307M02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"

(4) BITUMINOUS BINDER GRADING "BM-2"
50 mm THICK (APPROX. 120 KG/SQ M)
307M02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "BM-2"

(5) BITUMINOUS SURFACING GRADING "D"
30 mm THICK (APPROX. 68.4 KG/SQ M)
411M02.10 ACS MIX (PG70-22) GRADING "D"

(6) BITUMINOUS SURFACING GRADING "E"
40 mm THICK (APPROX. 92 KG/SQ M)
411M01.07 ACS MIX (PG64-22) (BPMB-HM) GRADING "E" SHOULDERS

(7) PRIME COAT
402M-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 1.36-1.58 L/SQ M
402M-02 AGGREGATE FOR COVER MATERIAL (PC) @ 4.3-6.5 KG/SQ M

(8) TACK COAT
403M-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.090 L/SQ M

(9) MINERAL AGGREGATE BASE
465 mm THICK (APPROX. 800 KG/SQ M)
303M-01 MINERAL AGGREGATE BASE, TYPE "A" BASE GRADING "D"

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

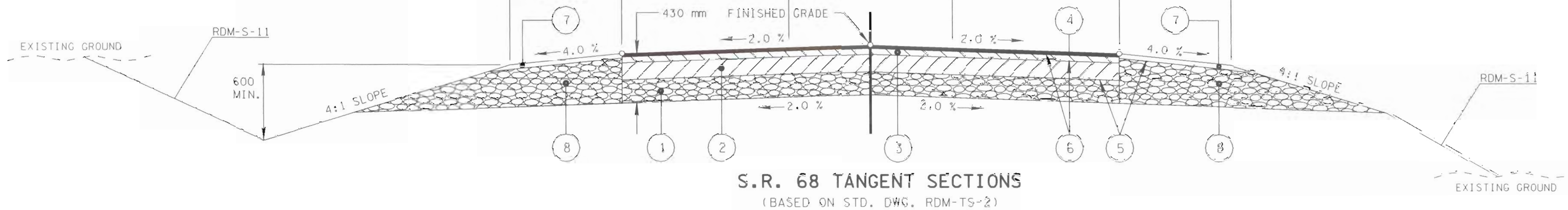
24-FEB-2010 13:51

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

TYPE	YEAR	PROJECT NO:	SHEET NO.
R.O.W.	2001	18006-2210-04	20
CONST.	2010	18006-3210-04	20

REVISION 05/01/06: MODIFIED TYPICAL SECTIONS TO REFLECT CHANGES MADE FOR NEW INTERSECTION DESIGN.

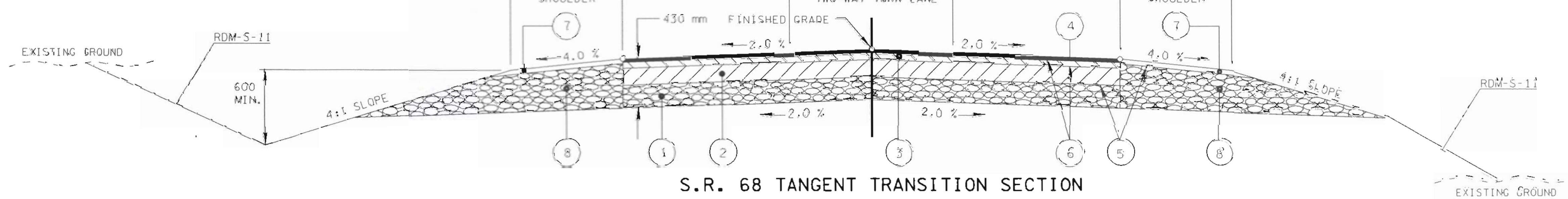
STA. 0+243.770 TO STA. 0+260.874	1.8 m	3.6 m	3.6 m	3.6 m	2.4 m
STA. 0+027.949 TO STA. 0+041.900	1.8 m	3.6 m	0	3.6 m	1.8 m
	SHOULDER		TWO-WAY TURN LANE		SHOULDER



S.R. 68 TANGENT SECTIONS

(BASED ON STD. DWG. RDM-TS-2)

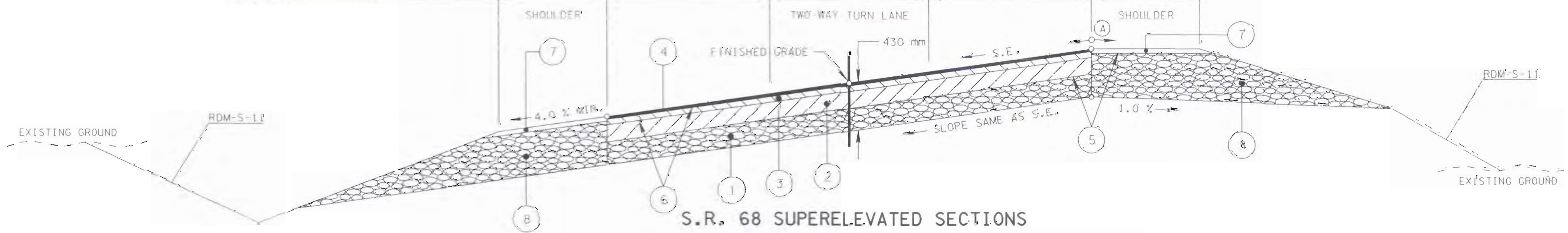
STA. 0+377.271 TO STA. 0+445.806	2.4 TO 2.0 m	3.6 m	3.6 m	3.6 m	2.4 TO 1.8 m
	SHOULDER		TWO-WAY TURN LANE		SHOULDER



S.R. 68 TANGENT TRANSITION SECTION

(BASED ON STD. DWG. RDM-TS-2)

STA. 0+487.814 TO STA. 0+550.000	1.8 m	3.6 m	0	3.6 m	1.8 m
STA. 0+260.874 TO STA. 0+377.271	2.4 m	3.6 m	3.6 m	3.6 m	2.4 m
STA. 0+207.950 TO STA. 0+243.770	2.4 m	3.6 m	3.6 m	3.6 m	2.4 m
STA. 0+041.900 TO STA. 0+107.950	1.8 m	3.6 m	0	3.6 m	1.8 m
	SHOULDER		TWO-WAY TURN LANE		SHOULDER



S.R. 68 SUPERELEVATED SECTIONS

(BASED ON STD. DWG. RDM-TS-2)

(A) THE SLOPES OF THE SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 8.0%.

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

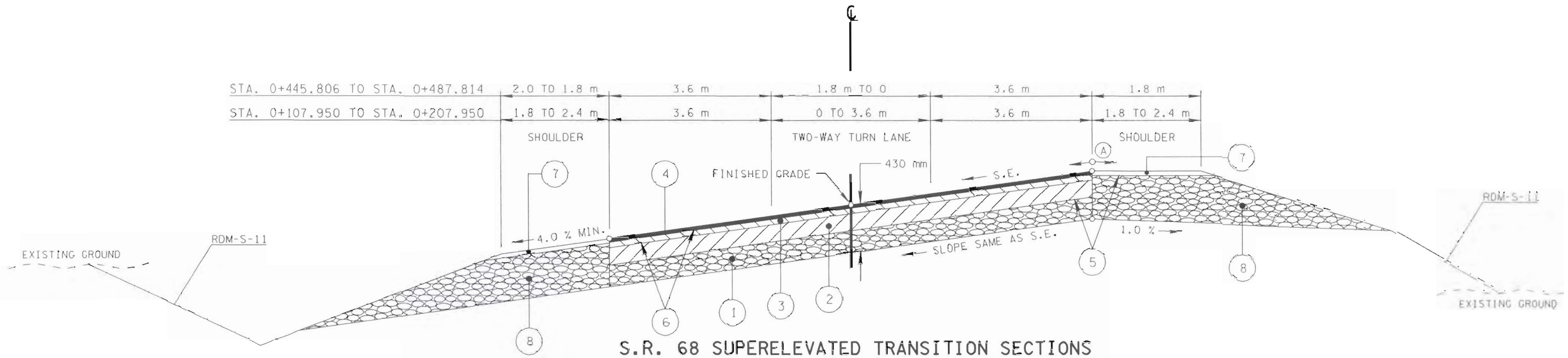
TYPICAL SECTIONS AND PAVEMENT SCHEDULE

24-FEB-2010 13:51

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	2D
CONST.	2010	18006-3210-04	2H

REVISION 05/01/06: MODIFIED TYPICAL SECTIONS TO REFLECT CHANGES MADE FOR NEW INTERSECTION DESIGN.

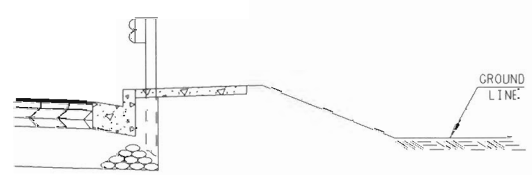
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



S.R. 68 SUPERELEVATED TRANSITION SECTIONS

(BASED ON STD. DWG. RDM-TS-2)

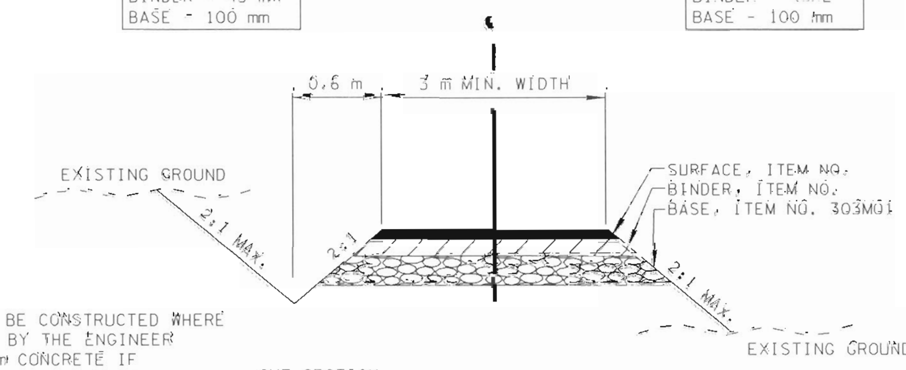
(A) THE SLOPES OF THE SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.



GUARDRAIL DETAIL

BUSINESS
SURFACE - 30 mm
BINDER - 45 mm
BASE - 100 mm

FIELD OR RESIDENTIAL
SURFACE - 40 mm
BINDER - NONE
BASE - 100 mm



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER. USE 150mm CONCRETE IF EXISTING RAMP IS CONC. SLOPES IN PARKING AREAS SHALL BE FLATTENED TO 12:1 AND DITCH IS TO BE ELIMINATED.

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS, FIELD, OR RESIDENTIAL PROPERTY

SEE R.O.W. NOTES FOR PRIVATE DRIVES AND BUSINESS ENTRANCES.

S.R. 68 PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE BASE 200 mm THICK (APPROX. 344 KG/SQ M) 303M-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	(5) PRIME COAT 402M-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 1.36-1.58 L/SQ M 402M-02 AGGREGATE FOR COVER MATERIAL (PC) @ 4.3-6.5 KG/SQ M
(2) BITUMINOUS BINDER GRADING "A" 150 mm THICK (APPROX. 366 KG/SQ M) 307M01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"	(6) TACK COAT 403M-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.090 L/SQ M
(3) BITUMINOUS BINDER GRADING "BM-2" 50 mm THICK (APPROX. 120 KG/SQ M) 307M01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"	(7) BITUMINOUS SURFACING GRADING "E" 40 mm THICK (APPROX. 92 KG/SQ M) 411M01.07 ACS MIX (PG64-22) (BPMB-HM) GRADING "E" SHOULDERS
(4) BITUMINOUS SURFACING GRADING "D" 30 mm THICK (APPROX. 68.4 KG/SQ M) 411M01.10 ACS MIX (PG64-22) GRADING "D"	(8) MINERAL AGGREGATE BASE 390 mm THICK (APPROX. 671 KG/SQ M) 303M-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

24-FEB-2010 13:51

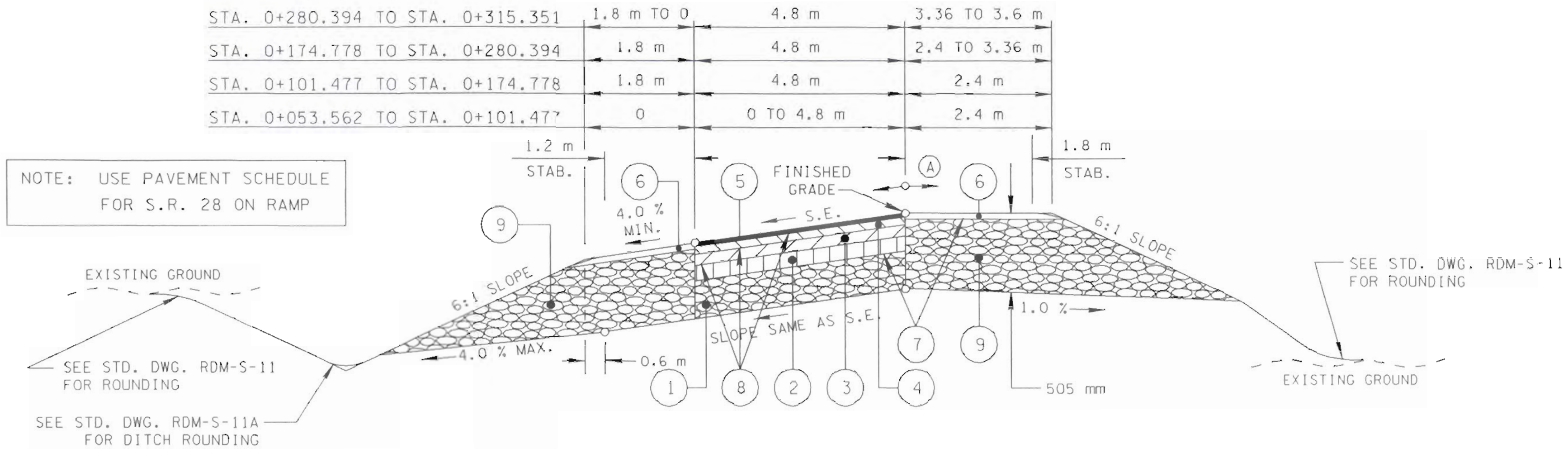
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	2E
CONST.	2010	18006-3210-04	2J

REVISION 02/26/07: ADDED PARK TRACE DR. TO COUNTY ROADS AND CITY STREETS ALONG S.R. 28.

REVISION 05/01/06: MODIFIED TYPICAL SECTIONS TO REFLECT CHANGES MADE FOR NEW INTERSECTION DESIGN.

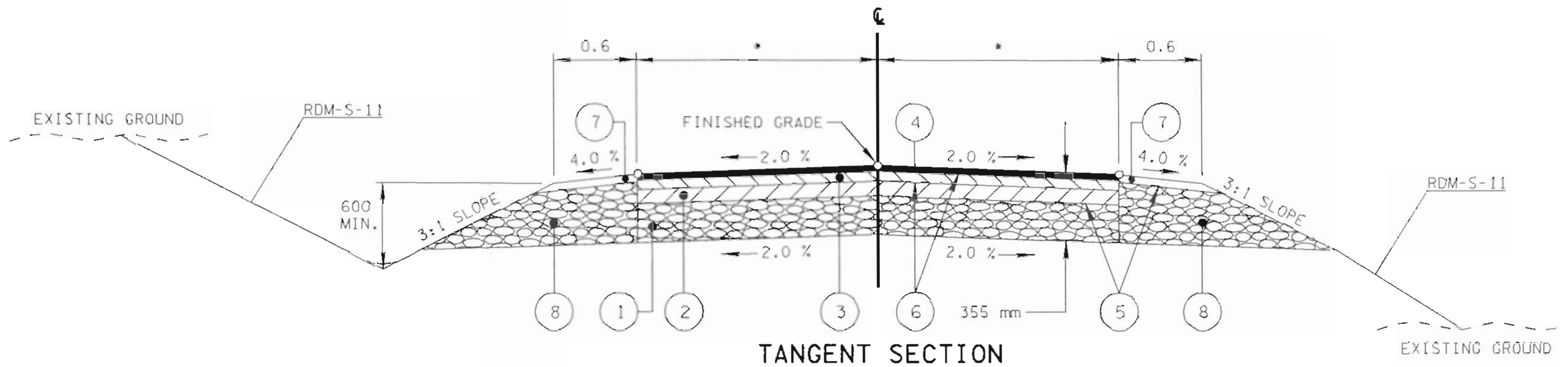
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

NOTE: USE PAVEMENT SCHEDULE FOR S.R. 28 ON RAMP



SUPERELEVATED SECTION
(BASED ON STD. DWG. RDM-TS-4)

(A) THE SLOPES OF THE SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.



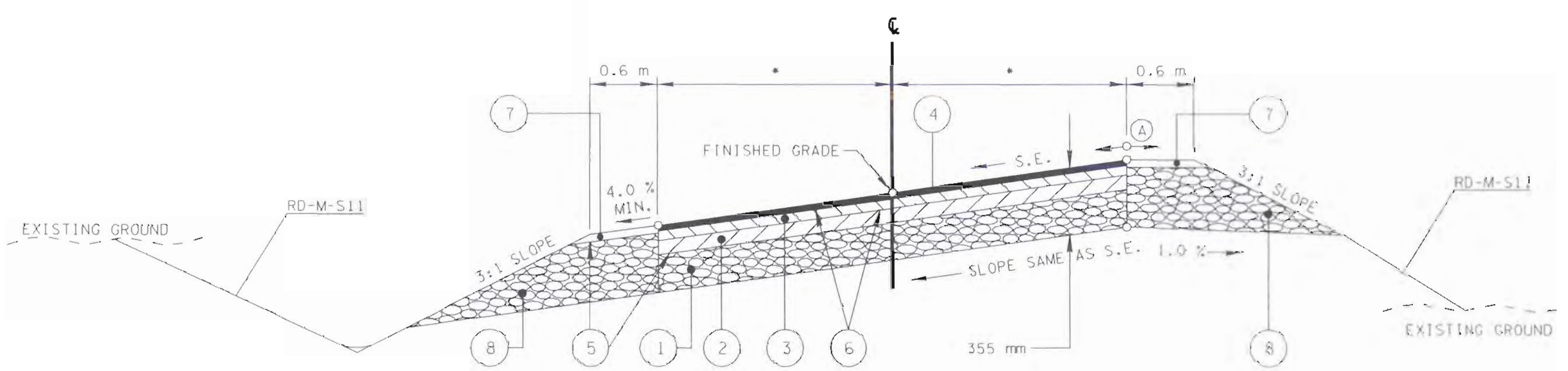
TANGENT SECTION
(BASED ON STD. DWG. RDM-TS-1)

COUNTY ROADS AND CITY STREETS ALONG S.R. 28

COUNTY RD.	STA. 16+599.880	S.R. 28
EAST LANE RD.	STA. 18+104.720	S.R. 28
PARK TRACE DR.	STA. 18+917.820	S.R. 28
GRAHAM LANE	STA. 19+267.307	S.R. 28
MALVER DR.	STA. 19+496.015	S.R. 28
SOUTHGATE DR.	STA. 19+582.825	S.R. 28
BROOKHAVEN DR.	STA. 19+625.745	S.R. 28
WILSON LANE	STA. 19+709.999	S.R. 28
SHEPARDS WAY	STA. 20+115.731	S.R. 28
WELLS RD.	STA. 20+621.407	S.R. 28
DUNBAR LANE	STA. 20+815.000	S.R. 28
LEE JUNE ST.	STA. 3+263.671	DUNBAR LANE
JUSTICE CENTER RD.	STA. 21+586.085	S.R. 28
SOUTHBEND DR.	STA. 5+270.699	JUSTICE CENTER DR.
HAYES ST. P.L.	STA. 21+584.132	S.R.28

COUNTY ROADS AND CITY STREETS ALONG S.R. 68

DEEP DRAW RD.	STA. 0+218.688	S.R. 68
RECTOR AVE.	STA. 0+246.448	S.R. 68



SUPERELEVATED SECTION
(BASED ON STD. DWG. RDM-TS-1)

(A) THE SLOPES OF THE SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.

PROPOSED PAVEMENT SCHEDULE FOR SIDE ROADS

(1) MINERAL AGGREGATE BASE
200 mm THICK (APPROX. 344 KG/SQ M)
303M-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

(2) BITUMINOUS BINDER GRADING "A"
75 mm THICK (APPROX. 183 KG/SQ M)
307M01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"

(3) BITUMINOUS BINDER GRADING "BM-2"
50 mm THICK (APPROX. 120 KG/SQ M)
307M01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"

(4) BITUMINOUS SURFACING GRADING "D"
30 mm THICK (APPROX. 68.4 KG/SQ M)
411M01.10 ACS MIX (PG64-22) GRADING "D"

(5) PRIME COAT
402M-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 1.36-1.58 L/SQ M
402M-02 AGGREGATE FOR COVER MATERIAL (PC) @ 4.3-6.5 KG/SQ M

(6) TACK COAT
403M-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.090 L/SQ M

(7) BITUMINOUS SURFACING GRADING "E"
40 mm THICK (APPROX. 92 KG/SQ M)
411M01.07 ACS MIX (PG64-22) (BPMB-HM) GRADING "E" SHOULDERS

(8) MINERAL AGGREGATE BASE
315 mm THICK (APPROX. 542 KG/SQ M)
303M-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

24-FEB-2010 13:51

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-94	2F

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

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE LT	SIDE RT	STATION FROM	STATION TO	GUARDRAIL: BRIDGE ENDS 705M01.01 (m)	GUARDRAIL: BRIDGE PIERS 705M01.02 (m)	GUARDRAIL: SINGLE TYPE 2 705M02.02 (m)	GUARDRAIL: MEDIAN TYPE 2 705M03.03 (m)	TERMINAL ANCHORS: TYPE 12 705M04.02 (EACH)	TERMINAL ANCHORS: TYPE 13 705M04.03 (EACH)	TERMINAL ANCHORS: TYPE 21 705M04.04 (EACH)	TERMINAL ANCHORS: TYPE IN-LINE 705M04.05 (EACH)	TERMINAL ANCHORS: TYPE 38 705M04.07 (EACH)	REMARKS
12B	S.R.28		X	17+051.00	17+501.00			453			3		2	1	
	S.R.28	X		17+107.00	17+358.00			236			5		4	1	
	S.R.28	X		17+830.00	17+989.00			160			3		2	1	
	S.R.28		X	17+819.00	17+868.00			149			1		—	1	
	S.R.28		X	20+994.00	21+184.00			194			3		2	1	
TOTALS						0	0	1192	0	0	15	0	10	5	

ESTIMATED GRADING QUANTITIES

STATION TO STATION	ROAD AND DRAINAGE EXC. (UNCL.): COMMON - m³	ROAD AND DRAINAGE EXC. (UNCL.): S. ROCK - m³	BORROW EXCAVATION: UNCL. - m³	BORROW EXCAVATION: S. ROCK - m³	CHANNEL EXC. m³	EXCESS EXC. WASTE m³	EMB. m³
TOTALS	0	0	0	0	0	0	0

CROSS DRAIN TABULATION

STATION	RCP CLASS III OR CMP 3.43 mm (10 GA.) OR HDPE (m) FILL HEIGHT < OR = 5.5 m: 450 mm	600 mm	750 mm	900 mm	1200 mm	RCP CLASS IV (m) FILL HEIGHT > 5.5 m AND < OR = 8.2 m: 450 mm	600 mm	750 mm	900 mm	1200 mm	SKEW	RIP RAP 709M05.06 (tonne)	END TREATMENT: INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING NO.	CLASS A CONC. 611M07.01 (m³)	REINF. STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)	REMARKS
16+229.52	33.6										90°		U-TYPE	DM-PE-4BA, 4BB	U-TYPE	DM-PE-4BA, 4BB	1.62	134		S.R. 28
16+314.72	41.4										79°42'03"		38	DM-CB-38RB	U-TYPE	DM-PE-4BA, 4BB	0.81	67		S.R. 28
17+416.675	46.2										90°		B-TYPE	DM-PE-9, 9A		USBR-TYPE6	0.82	72		S.R. 28
17+465.308	46.5										90°		U-TYPE	DM-PE-4BA		USBR-TYPE6	0.81	67		S.R. 28
21+104.756				19							75°26'36"		U-TYPE	DM-PE-4BA, 4BB	U-TYPE	DM-PE-3BA, 3BB	4.41	313	133	S.R. 28
03+55.22	22.5										75°52'47"		U-TYPE	DM-PE-4BA, 4BB	U-TYPE	DM-PE-4BA, 4BB	1.02	134		S.R. 68
TOTALS	190.2	0	0	19	0	0	0	0	0	0		0					10.09	787	133	

PAVEMENT QUANTITIES

LOCATION	303M01 (tonne) AGG.GR "D"	307M01.01 (tonne) GR "A"	307M01.08 (tonne) GR "BM-2"	307M02.01 (tonne) GR "A"	307M02.02 (tonne) GR "A-S"	307M02.08 (tonne) GR "BM-2"	402M01 (tonne) (PC)	402M02 (tonne) AGG. (PC)	403M01 (tonne) (TC)	411M01.10 (tonne) GR "D"	411M02.10 (tonne) GR "D"	411M01.07 (tonne) GR "E"
S.R. 28	82383.11			23117.55	24121.57	15141.87	213.20	845.75	35.15		4524.12	405.97
S.R. 28/68 RAMP	2705.70			210.28	516.56	137.73	6.16	24.43	0.32		77.54	94.18
S.R.68	7637.29	1780.42	583.08				11.50	49.61	0.90	328.25		214.60
COUNTY ROAD	236.77	63.99	41.91				0.65	2.59	0.06	23.59		4.50
EAST LANE ROAD	220.67	68.47	44.85				0.66	2.61	0.07	25.25		2.69
GRAHAM LANE	159.34	47.09	30.84				0.46	1.83	0.05	17.36		2.34
MALVER DRIVE	219.79	55.37	36.27				0.58	2.31	0.06	20.42		4.86
SOUTHGATE DR	267.84	80.86	52.96				0.81	3.23	0.08	29.81		5.07
BROOKHAVEN	335.57	97.60	63.92				0.99	3.91	0.10	35.99		6.30
WILSON LANE	209.23	60.73	39.77				0.60	2.40	0.06	22.39		3.43
SHEPARDS WAY	407.19	117.35	76.86				1.17	4.64	0.12	43.27		6.70
WELLS ROAD	319.99	99.46	65.02				0.96	3.79	0.10	36.60		3.91
LEE JUNE ST.	308.26	53.[illegible]	[illegible]				0.56	2.22	0.05	19.82		4.37
DUNBAR LANE	194.49	55.94	36.64				0.56	2.20	0.06	20.63		3.12
SOUTHBEND DR.	165.16	41.78	27.37				0.44	1.74	0.04	15.41		3.62
JUSTICE CENTER	208.22	65.74	43.06				0.63	2.49	0.07	24.24		2.35
HAYES ST.	116.84	38.24	25.05				0.36	1.43	0.04	14.10		1.04
DEEP DRAW	592.21	126.91	83.13				1.45	5.75	0.13	46.80		17.23
RECTOR	366.28	75.88	49.70				0.88	3.50	0.08	27.98		11.11
FRONTAGE RD.	364.37	101.03	66.17				0.96	3.81	0.10	37.25		3.31
PARK TRACE	218.19	24.80	16.24				0.44	1.75	0.03	9.14		11.85
DRIVEWAYS	3883.13		1196.35				26.41	104.73	1.03	1094.37		
TOTALS	101419.65	3055.29	2614.47	23327.83	24638.13	15279.60	270.49	1072.73	38.69	1892.69	8601.66	812.55

BOX CULVERT TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ha	BOX CULVERT: BOX CLASS "A" CONC. m³	BOX REINF. STEEL kg	APRON CLASS "A" CONC. m³	APRON WIRE FABRIC kg	APRON STEEL BAR REINF. kg	CULVERT EXC. m³	DRAWING NO.	BACKFILLING ITEM 303M01.01 DWG. STDM-10-1 tonne	FOUNDATION FILL MATERIAL m³
20+454.798		2 @ 2.44 m	1.52 m	5.853 m	75 LT.	.316									
TOTALS							0	0	0	0	0	0		0	0

SLAB CULVERT TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ha	SLAB CULVERT: BOX CLASS "A" CONC. m³	BOX REINF. STEEL kg	APRON CLASS "A" CONC. m³	APRON WIRE FABRIC kg	APRON STEEL BAR REINF kg	CULVERT EXC m³	DRAWING NO.	BACKFILLING ITEM 303M01.01 DWG. STDM-10-1 tonne	FOUNDATION FILL MATERIAL m³
	17+248.510	2 @ 4.88 M	4.57 M	60 M	60										
	17+887.600	1@3.66 M	3.66 M	60.7 M	60										
TOTALS							0	0	0	0	0	0		0	0

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
8A	1	3	4	8
9A	1	2	2	5
10A	1	1	2	4
11A	0	3	7	10
12A	0	2	3	5
13A	0	3	4	7
14A	0	0	0	0
15A	0	0	1	1
16A	4	0	1	5
17A	2	1	3	6
18A	2	0	0	2
19A	1	10	0	11
20A	2	0	1	3
21A	1	0	1	2
22A	0	0	0	0
23A	0	0	2	2
24A	0	0	0	0
25A	1	0	4	5
26A	1	5	7	13
TOTALS	17	30	42	89

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 1 OF 8

24-FEB-2010

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	2L

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (m)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS (mm)	DEPTH (m)	STANDARD DRAWING	PAY ITEMS									REMARKS
										TYPE 12 611M12.02 1m-2m	TYPE 12 611M12.03 2m-3m	TYPE 12 611M12.04 3m-4m	TYPE 12 611M12.05 4m-5m	TYPE 14 611M14.02 1m-2m	TYPE 14 611M14.04 3m-4m	TYPE 14 611M14.10 6m-7m	TYPE 38 611M38.02 1m-2m	TYPE 38 611M38.03 2m-3m	
10B	RT	16+313.27	0	1	559.6	38		1.3									1		S.R.28
11B	LT	16+460	0	I1	549.466	12		1.366		1									S.R.28
11B	LT	16+540	0	I2	558.179	12		3.679				1							S.R.28
11B	LT	16+660	0	I3	553.636	12		4.136					1						S.R.28
12B	LT	16+780	0	I4	547.101	12		4.101					1						S.R.28
12B	LT	16+880	0	I5	541.298	12		1.598		1									S.R.28
11B	RT	16+540	0	J1	558.179	12		3.679				1							S.R.28
11B	RT	16+660	0	J2	553.836	12		4.336		1			1						S.R.28
12B	RT	16+780	0	J3	547.101	12		4.101		1			1						S.R.68
12B	RT	16+880	0	J4	541.298	12		1.398		1									S.R.28
12B	LT	17+000	0	K1	534.335	12		4.335					1						S.R.28
13B	LT	17+120	0	K2	527.49	12		1.99			1								S.R.28
13B	LT	17+229.38	0	K3	524.516	14		3.516							1				S.R.28
13B	LT	17+244.60	0	K4	524.471	14		6.371								1			S.R.28
12B	RT	17+000	0	L1	534.335	12		3.835				1							S.R.28
13B	RT	17+120	0	L2	527.49	12		3.99					1						S.R.28
13B	RT	17+229.38	0	L3	524.516	14		6.506								1			S.R.28
																			S.R.28
14B	LT	17+520	0	M1	532.699	12		1.7		1									S.R.28
13B	LT	17+440	0	M2	530.157	12		2.157			1								S.R.28
13B	LT	17+330	0	M3	525.889	12		2.889			1								
13B	LT	17+260	0	M4	524.516	14		6.486								1			S.R.28
																			S.R.28
14B	RT	17+520	0	N1	532.699	12		1.7		1									S.R.28
13B	RT	17+440	0	N2	530.157	12		2.157			1								S.R.28
13B	RT	17+330	0	N3	525.889	12		2.889			1								
13B	RT	17+260	0	N4	524.516	14		6.486								1			S.R.28
13B	RT	17+244.60	0	N5	524.471	14		6.461								1			S.R.28
14B	LT	17+680	12.3048	O1	532.437	12		1.45		1									S.R. 28
14B	LT	17+780	12.3048	O2	529.4	12		1.5		1									S.R. 28
15B	LT	17+876	12.3048	O3	527.69	14		1.5						1					S.R. 28
15B	LT	17+811.841	12.3048	O4	527.689	12		6.269											S.R. 28
14B	RT	17+680	12.3048	P1	532.437	12		1.45		1									S.R. 28
14B	RT	17+780	12.3048	P2	529.4	12		1.5		1									S.R. 28
15B	RT	17+876	12.3048	P3	527.69	14		1.5						1					S.R. 28
15B	RT	17+893.453	12.3048	P4	527.479	12		6.329											S.R. 28
TOTALS										11	5	3	6	2	1	5	1	0	

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (m)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS (mm)	DEPTH (m)	STANDARD DRAWING	PAY ITEMS									REMARKS
										TYPE 12 611M12.02 1m-2m	TYPE 12 611M12.03 2m-3m	TYPE 12 611M12.04 3m-4m	TYPE 12 611M12.05 4m-5m	TYPE 14 611M14.02 1m-2m	TYPE 14 611M14.04 3m-4m	TYPE 14 611M14.10 6m-7m	TYPE 38 611M38.02 1m-2m	TYPE 38 611M38.03 2m-3m	
15B	RT	17+960	12.3048	Q6	529.8	12		3.11				1							S.R. 28
15B	RT	18+040	12.3048	Q5	532.55	12		1.5		1									S.R. 28
15B	RT	18+120	12.3048	Q4	536.492	12		1.5		1									S.R. 28
15B	RT	18+210	12.3048	Q3	541.123	12		1.6		1									S.R. 28
16B	RT	18+300	12.3048	Q2	545.975	12		1.5		1									S.R. 28
16B	RT	18+401.430	12.3048	Q1	549.68	12		1.45		1									S.R. 28
15B	LT	17+960	12.3048	R6	529.6	12		1.5		1									S.R. 28
15B	RT	18+040	12.3048	R5	532.55	12		1.5		1									S.R. 28
15B	RT	18+120	12.3048	R4	536.492	12		1.5		1									S.R. 28
15B	RT	18+210	12.3048	R3	541.123	12		1.5		1									S.R. 28
16B	RT	18+300	12.3048	R2	545.975	12		1.5		1									S.R. 28
16B	RT	18+400	12.3048	R1	549.65	12		1.45		1									S.R. 28
17B	RT	18+639.723	12.3048	T1	550.755	12		1.549		1									S.R. 28
17B	RT	18+641.460	16.462	T1A	550.39	38		1.08									1		S.R. 28
17B	RT	18+700	12.3048	T2	550.855	12		1.3		1									S.R.28
17B	RT	18+780	12.3048	T3	550.547	12		1.625		1									S.R.28
17B	RT	18+880	12.3048	T4	550.077	12		1.688		1									S.R.28
17B	LT	18+630.636	12.3048	S1	550.764	12		2.229			1								S.R. 28
17B	LT	18+700	12.3048	S2	550.495	12		1.3		1									S.R. 28
17B	LT	18+780	12.3048	S3	550.187	12		1.58		1									S.R. 28
17B	LT	18+880	12.3048	S4	549.803	12		1.853		1									S.R. 28
18B	LT	18+979.755	12.3048	S5	549.419	12		2.064			1								S.R. 28
18B	LT	19+021	12.3048	S6	549.316	14		1.671						1					S.R. 28
18B	LT	19+100	12.3048	S7	549.638	12		1.5		1									S.R. 28
18B	LT	19+200	12.3048	S8	550.599	12		1.5		1									S.R. 28
18B	LT	19+300	12.3048	S9	551.565	12		1.5		1									S.R. 28
18B	RT	18+986.162	12.3048	T5	549.398	14		1.903						1					S.R. 28
18B	RT	19+021	12.3048	T6	549.316	12		1.528		1									S.R. 28
18B	RT	19+100	12.3048	T7	549.638	12		1.35		1									S.R. 28
18B	RT	19+200	12.3048	T8	550.599	12		1.35		1									S.R. 28
18B	RT	19+300	12.3048	T9	551.565	12		1.35		1									S.R. 28
19B	LT	19+400	12.3048	S10	552.532	12		1.53		1									S.R. 28
19B	LT	19+508	12.3048	S11	553.576	12		1.5		1									S.R. 28
19B	LT	19+600	12.3048	S12	554.465	12		1.45		1									S.R. 28
TOTALS										28	2	1	0	2	0	0	1		

24-FEB-2010 13:51
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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	2M

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (m)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS (mm)	DEPTH (m)	STANDARD DRAWING	PAY ITEMS									REMARKS
										TYPE 12 611M12.02 1m-2m	TYPE 12 611M12.03 2m-3m	TYPE 12 611M12.04 3m-4m	TYPE 12 611M12.05 4m-5m	TYPE 14 611M14.02 1m-2m	TYPE 14 611M14.04 3m-4m	TYPE 14 611M14.10 6m-7m	TYPE 38 611M38.02 1m-2m	TYPE 38 611M38.03 2m-3m	
19B	RT	19+420	12.3048	T10	552.726	12		1.35		1									S.R 28
19B	RT	19+508	12.3048	T11	553.576	12		1.35		1									S.R 28
19B	RT	19+600	12.3048	T12	554.465	12		1.3		1									S.R 28
19B				W1	555.005														S.R 28
19B				X1	555.069														S.R 28
20B				W2	555.673														S.R 28
20B				X2	555.673														S.R 28
20B	LT	19+840	12.3048	W3	555.426	12		1.45		1									S.R 28
20B	LT	19+946	12.3048	W4	552.155	12		1.5		1									S.R 28
20B	LT	20+000	12.3048	W5	550.133	12		1.5		1									S.R 28
21B	LT	20+100	12.3048	W6	546.388	12		1.5		1									S.R 28
20B	RT	19+840	12.3048	X3	555.426	12		1.45		1									S.R 28
20B	RT	19+931	12.3048	X4	552.717	12		1.5		1									S.R 28
20B	RT	20+020	12.3048	X5	549.384	12		1.5		1									S.R 28
21B	RT	20+107	12.3048	X6	546.137	12		1.5		1									S.R 28
21B	RT	20+172.332	12.3048	X7	543.668	12		4.6											S.R 28
21B	LT	20+200	12.3048	Y1	542.643	12		1.45		1									S.R 28
21B	LT	20+262	12.3048	Y2	540.695	12		1.5		1									S.R 28
21B	LT	20+314.707	12.3048	Y3	540.489	12		2.28			1								S.R 28
21B	RT	20+262	12.3048	Z1	540.583	12		1.45		1									S.R 28
21B	RT	20+314.164	12.3048	Z2	540.129	12		2.54			1								S.R 28
21B	LT	20+314.707	19	Y2A	539.491	38											1		S.R 28
21B	LT	20+363.092		Y4	540.335	38											1		S.R 28
22B	LT	20+480	11.42	BB4	541.824	12		1.53		1									S.R. 28
22B	LT	20+580	9.92	BB3	544.188	12		1.53		1									S.R. 28
22B	LT	20+674	9.3048	BB2	547.064	12		1.5		1									S.R. 28
22B	LT	20+793	9.3048	BB1	550.73	12		1.45		1									S.R. 28
22B	RT	20+480	11.42	CC6	541.463	12		1.53		1									S.R. 28
22B	RT	20+560	10.22	CC5	543.271	12		1.5		1									S.R. 28
22B	RT	20+636	9.3048	CC4	545.502	12		1.5		1									S.R. 28
22B	RT	20+674	9.3048	CC3	546.704	12		1.53		1									S.R. 28
22B	RT	20+732	9.3048	CC2	548.49	12		1.5		1									S.R. 28
22B	RT	20+780	9.3048	CC1	549.969	12		1.45		1									S.R. 28
TOTALS										24	2	0	0	0	0	0	2	0	

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (m)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS (mm)	DEPTH (m)	STANDARD DRAWING	PAY ITEMS									REMARKS
										TYPE 12 611M12.02 1m-2m	TYPE 12 611M12.03 2m-3m	TYPE 12 611M12.04 3m-4m	TYPE 12 611M12.05 4m-5m	TYPE 14 611M14.02 1m-2m	TYPE 14 611M14.04 3m-4m	TYPE 14 611M14.10 6m-7m	TYPE 38 611M38.02 1m-2m	TYPE 38 611M38.03 2m-3m	
23B	LT	4+806.907	6.308	FF1	550.576	38		1.01									1		LEE JUNE ST
23B	RT	4+806.907	6.308	FF2	550.565	38		1.364									1		LEE JUNE ST
23B	RT	3+286.757	13.684	FF3	550.635	38		1.749									1		DUNBAR LANE
23B	LT	20+827	9.3048	DD6	551.777	12		3.04				1							S.R. 28
23B	LT	20+880	9.3048	DD5	553.116	12		1.68		1									S.R. 28
23B	LT	20+940	9.3048	DD4	553.859	12		1.68		1									S.R. 28
23B	LT	21+020	9.3048	DD3	554.186	12		1.5		1									S.R. 28
23B	LT	21+100	9.3048	DD2	554.599	12		1.5		1									S.R. 28
24B	LT	21+180	9.3048	DD1	555.012	12		1.45		1									S.R. 28
23B	RT	20+809	9.3048	EE5	550.856	12		2.59			1								S.R. 28
23B	RT	20+880	9.3048	EE4	552.934	12		1.5		1									S.R. 28
23B	RT	20+940	9.3048	EE3	553.859	12		1.5		1									S.R. 28
23B	RT	21+040	9.3048	EE2	554.848	12		1.5		1									S.R. 28
23B	RT	21+140	9.3048	EE1	555.364	12		1.45		1									S.R. 28
24B	LT	21+263.948	9.3048	GG6	555.694	12		3.505				1							S.R. 28
24B	LT	21+342	9.3048	GG5	556.163	12		1.5		1									S.R. 28
24B	LT	21+387.664	9.3048	GG4	557.397	12		1.5		1									S.R. 28
24B	LT	21+440	9.3048	GG3	559.803	12		1.5		1									S.R. 28
24B	LT	21+507.621	9.3048	GG2	564.327	12		2.041			1								S.R. 28
25B	LT	21+559.979	9.3048	GG1	566.977	12		1.45		1									S.R. 28
24B	RT	21+252.994	9.3048	HH6	555.999	12		4.031											S.R. 28
24B	RT	21+310	9.3048	HH5	555.793	12		1.768		1									S.R. 28
24B	RT	21+358.663	9.3048	HH4	556.507	12		1.657		1									S.R. 28
24B	RT	21+439.996	9.3048	HH3	559.803	12		1.5		1									S.R. 28
24B	RT	21+507.792	9.3048	HH2	564.007	12		1.5		1									S.R. 28
25B	RT	21+559.979	9.3048	HH1	566.402	12		1.45		1									S.R. 28
24B	RT	21+416.470	14.505	JJ3	556.395	38		1.5									1		S.R. 28
24B	RT	21+377.302	13.838	JJ2	556.572	38		1.385									1		S.R. 28
24B	RT	21+359.612	13.171	JJ1	557.687	38		1.45									1		S.R. 28
24B	RT	21+323	14.235	KK1	555.715	38		1.45									1		S.R. 28
24B	LT	21+507.621	15.05	LL1	563.846	38		1.45									1		S.R. 28
24B	LT	21+268.143	16.922	LL2	554	38		1.123									1		S.R. 28
10B	LT	16+005	12.3048	MM1	562.311	12		1.45		1									S.R. 28
10B	LT	16+056	12.3048	MM2	561.546	12		1.45		1									S.R. 28
26B	RT	15+980	12.3048	NN1	562.84	12		1.45		1									S.R. 28
10B	RT	16+050.607	12.3048	NN2	561.418	12		1.95		1									S.R. 28
10B	RT	16+099.664	12.3048	NN3	560.98	12		1.8		1									S.R. 28
10B	RT	16+140	12.3048	NN4	561.283	12		1.45		1									S.R. 28
10B	LT	16+177.347	12.3048	PP1	562.193	12				1									S.R. 28
10B	RT	16+165.410	12.3048	PP2	561.704	12				1									S.R. 28
TOTALS										26	2	2	0	0	0	0	9	0	

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	2N

STORM SEWER PIPES

SHEET NO.	FROM		TO		% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (m)						BEDDING MATERIAL 204M07 (m^3)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		450 mm	600 mm	750 mm	900 mm	1050 mm	1500 mm	
11B	I1	558.1	I2	556.8	1.6%	81						32
11B	I2	554.5	I3	552.5	1.6%	122						48
11B	I3	549.5	I4	545.8	2.9%	126						49
12B	I4	543	I5	540	2.9%	105						41
12B	I5	555.939	I6	555.187	1.5%		51					22
11B	J1	554.5	J2	552.5	1.6%	122						48
11B	J2	549.5	J3	545.8	2.9%	126						49
12B	J3	543	J4	540	2.9%	105						41
12B	J4	539.9	I5	539.75	0.6%	25.2						10
12B	K1	530	K2	526	3.1%	127						50
13B	K2	525.5	K3	523	2.2%	113						44
13B	K3	521	K4	520.5	3.1%	16						6
13B	K4	518.1	OUTLET	518	3.3%	3						1
12B	L1	530.5	L2	525.75	3.7%	129						50
13B	L2	523.5	L3	521.5	1.8%	112						44
13B	L3	518.01	OUTLET	518	0.1%	18						7
14B	M1	531	M2	528.5	3.0%	84						33
13B	M2	528	M3	524.5	3.0%	115						45
13B	M3	523	M4	521	2.7%	73						28
14B	N1	531	N2	528.5	3.0%	84						33
13B	N2	528	N3	524.463	3.1%	115						45
13B	N3	523	N4	521	2.7%	73						28
13B	N4	520.5	N5	520	3.1%	16						6
14B	O1	530.987	O2	527.95	2.9%	103.5						40
14B	O2	529.9	O3	526.238	3.8%	96.1						38
15B	O3	526.188	O4	526.108	1.6%	5						2
14B	P1	530.987	P2	527.95	2.9%	103.5						40
14B	P2	527.9	P3	526.238	1.7%	96.1						38
15B	P3	526.188	P4	525.881	1.9%	16.5						6
16B	Q1	548.230	Q2	544.524	3.7%	100.2						39
16B	Q2	544.474	Q3	539.673	5.4%	89						35
15B	Q3	539.523	Q4	535.042	5.0%	89						35
15B	Q4	534.992	Q5	531.1	4.9%	79						31
15B	Q5	531.05	Q6	528.15	3.7%	78.5						31
15B	Q6	526.49	OUTLET	526.262	1.0%			22.5				10
16B	R1	548.2	R2	544.524	3.7%	99						39
16B	R2	544.474	R3	539.673	5.4%	89						35
15B	R3	539.523	R4	535.042	5.0%	89						35
15B	R4	534.992	R5	531.1	4.9%	79						31
15B	R5	531.05	R6	528.15	3.7%	78.5						31
15B	R6	528.1	Q6	526.52	6.7%	23.5						9
17B	T1A	549.31	T1	549.256	1.8%	3						1
17B	T1A	549.227	S1	548.584	2.5%	25.5						10
17B	S1	548.555	OUTLET	548.38	2.5%	7						3
TOTALS						3240.1	51	22.5	0	0	0	1297

STORM SEWER PIPES

SHEET NO.	FROM		TO		% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (m)						BEDDING MATERIAL 204M07 (m^3)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		450 mm	600 mm	750 mm	900 mm	1050 mm	1500 mm	
17B	S2	549.195	S3	548.657	0.7%	78.2						31
17B	S3	548.607	S4	548	0.6%	98						38
17B	S4	547.95	S5	547.372	0.6%		98.5					42
19B	S12	553.015	S11	552.126	1.0%	90.7						35
19B	S11	552.076	S10	551.052	1.0%	106.7						42
19B	S10	551.002	S9	550.115	0.9%	98.7						39
18B	S9	550.065	S8	549.149	0.9%	98.7						39
18B	S8	549.099	S7	548.188	0.9%	98.7						39
18B	S7	548.138	S6	547.695	0.6%		77.7					33
18B	S6	547.645	S5	547.372	0.7%		40					17
17B	T2	549.555	T3	548.972	0.7%	79.2						31
17B	T3	548.922	T4	548.439	0.5%	99.5						39
17B	T4	548.389	T5	547.877	0.5%		105					45
19B	T12	553.165	T11	552.276	1.0%	90.7						35
19B	T11	552.226	T10	551.426	0.9%	86.7						34
19B	T10	551.376	T9	550.265	0.9%	118.7						46
18B	T9	550.215	T8	549.299	0.9%	98.7						39
18B	T8	549.249	T7	548.338	0.9%	98.7						39
18B	T7	548.288	T6	547.838	0.6%		77.7					33
18B	T6	547.788	T5	547.5	0.9%		33.5					14
18B	INLET	547.559	T5	547.529	0.5%				6			3
18B	T5	547.493	S5	547.372	0.5%				24.5			11
18B	S5	547.355	OUTLET	547.301	0.8%				6.7			3
20B	M2	552.928	X2	552.838	1.3%		7					3
20B	X2	552.762	X3	552.458	0.5%			59.5				27
20B	W2	554.257	X2	554.01	1.0%	24						9
20B	W3	553.976	W4	550.705	3.1%	104.7						41
20B	W4	550.655	W5	548.683	3.7%	52.7						21
20B	W5	548.633	W6	544.938	3.7%	98.7						39
21B	W6	544.888	X7	544.487	1.6%	24.4						10
20B	X3	552.282	X4	552.109	0.3%			53.2				24
20B	X4	552.034	X5	550.977	1.2%			90.4				41
20B	X5	550.902	X6	547.634	3.5%			93.6				42
21B	X6	547.559	X7	544.387	3.5%			91.3				41
21B	X8	539.048	OUTLET	538.698	1.3%					27.5		8
21B	X7	544.312	X8	541.918	3.5%			68.9				31
21B	Y1	541.193	Y2	539.245	3.2%	61						24
21B	Y2	539.195	Y3	538.568	1.2%	52						20
21B	Y2A	538.355	Y3	538.244	2.5%		4.5					2
21B	Z1	539.133	Z2	538.216	1.8%	51						20
21B	Z2	537.592	OUTLET	537.495	1.2%		8					3
21B	Y4	539.15	OUTLET			4						2
21B	Y5	539.45	OUTLET	539.36	1.5%	6						2
22B	BB1	549.28	BB2	545.614	3.1%	118.5						46
22B	BB2	545.564	BB3	542.708	3.1%	93.5						36
22B	BB3	542.658	BB4	540.344	2.3%	99.5						39
22B	BB4	540.294	OUTLET	538.434	9.8%	19						7
22B	CC1	548.519	CC2	547.04	3.2%	46.5						18
22B	CC2	546.99	CC3	545.224	3.1%	56.5						22
22B	CC3	545.174	CC4	544.052	3.0%	37.5						15
22B	CC4	544.002	CC5	541.821	2.9%	74						29
TOTALS						2365.4	451.9	456.9	37.2	27.5	0	1347

STORM SEWER PIPES

SHEET NO.	FROM		TO		% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (m)						BEDDING MATERIAL 204M07 (m^3)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		450 mm	600 mm	750 mm	900 mm	1050 mm	1500 mm	
22B	CC5	541.771	CC6	539.983	2.3%	78						30
22B	CC6	539.933	OUTLET	538.434	5.2%	29						11
24B	DD1	553.562	DD2	553.149	0.5%	77.5						30
23B	DD2	553.099	DD3	552.686	0.5%	77.5						30
23B	DD3	552.736	DD4	552.229	0.6%		78					33
23B	DD4	552.179	DD5	551.486	1.2%		59					25
23B	DD5	551.436	DD6	549.406	3.9%		52					22
23B	DD6	548.738	EE5	548.318	1.9%		22.3					10
23B	EE1	553.914	EE2	553.348	0.6%	100.5						39
23B	EE2	553.398	EE3	552.409	1.0%	99.7						39
23B	EE3	552.359	EE4	551.484	1.5%	58.7						23
23B	EE4	551.434	EE5	549.406	2.9%	69.5						27
23B	EE5	548.268	OUTLET	546.412	12.4%		15					6
23B	FF1	549.478	FF2	549.251	2.0%		11.5					5
23B	FF2	549.201	FF3	548.936	1.4%		19					8
23B	FF3	548.886	DD6	548.788	1.6%		6.2					3
25B	GG1	565.527	GG2	562.877	5.1%	52						20
24B	GG2	562.286	GG3	558.353	5.9%	66.5						26
24B	GG3	558.303	GG4	555.947	4.6%	51						20
24B	GG4	555.897	GG5	554.713	2.7%	44.2						17
24B	GG5	554.663	GG6	553.878	1.0%	76.7						30
25B	HH1	564.592	HH2	562.557	4.1%	50						20
24B	HH2	562.507	HH3	558.353	6.2%	66.5						26
24B	HH3	558.303	HH4	555.057	4.1%	80						31
24B	HH4	554.85	HH5	554.193	1.4%		47.5					20
24B	HH5	554.025	HH6	553.5	0.9%		56					24
24B	HH6	551.968	OUTLET	551.146	4.6%						17.7	5
24B	JJ1	556.237	JJ2	555.237	2.7%	37						14
24B	JJ2	555.187	JJ3	554.945	1.6%	15.5						6
24B	JJ3	554.895	HH4	554.855	1.0%	4						2
24B	KK1	554.265	HH5	554.075	1.6%	12.2						5
24B	LL1	562.396	GG2	562.336	1.2%	5						2
24B	LL2	552.877	MH1	552.533	34.4%		1					0
24B	MH1	552.508	GG6	552.239	6.7%						4	1
TOTALS						1151	367.5	0	0	0	21.7	613

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TENNESSEE D.O.T.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 4 OF 8

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TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	2P

CROSS DRAIN TABULATION

STATION	RCP CLASS III OR CMP 1.91 mm (14 GA.) OR HDPE (m) FILL HEIGHT < OR = 5.5 m					RCP CLASS IV OR CMP 1.91 mm (14 GA.)(m) FILL HEIGHT > 5.5 m AND < OR = 8.2 m					SKEW	RIP-RAP 709M05.06 (tonne)	END TREATMENT							REMARKS
													INLET		OUTLET		CLASS A CONC. 611M07.01 (m^3)	REINF. STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)	
	450 mm	600 mm	750 mm	900 mm	1200 mm	450 mm	600 mm	750 mm	900 mm	1200 mm			TYPE	DRAWING NO.	TYPE	DRAWING NO.				
0+00.00	14.6										85^53'59"		STRAIGHT	DM-PE-4	STRAIGHT	DM-PE-4	1.59			DEEP DRAW RD
1+900.00	14										87^30'10"		STRAIGHT	DM-PE-4	STRAIGHT	DM-PE-4	1.59			EAST LANE RD.
2+100.00	19.6										78^55'35"		TYPE "SD"	DM-SEW-6DA, 6DB	TYPE "SD"	DM-SEW-6DA, 6DB	2.72	202	252	MALVER DR
TOTALS	48.2	0	0	0	0	0	0	0	0	0		0					5.9	202	252	

STORM DRAINAGE ENDWALLS

SHEET NO	LOCATION	STATION	OFFSET (m)	DRAINAGE CODE	STRUCTURE TYPE	STANDARD DRAWING	CLASS A CONC. 611M07.01 (m^3)	REINF. STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)
TOTALS							0	0	0

RAMPS AND SIDE DRAIN TABULATION

STATION	LOCATION		DESCRIPTION	SURFACE WIDTH (m)	RCP CLASS III OR CMP 1.52 mm (16 GA.) OR HDPE (m) FILL HEIGHT < OR = 3 m					RCP CLASS III OR CMP 1.91 mm (14 GA.) (m) FILL HEIGHT > 3 m AND < OR = 5.5 m					END TREATMENT					REMARKS
	LT	RT			450 mm	600 mm	750 mm	900 mm	1200 mm	450 mm	600 mm	750 mm	900 mm	1200 mm	TYPE	DRAWING NO.	CLASS A CONC. 611M07.01 (m^3)	REINF STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)	
BEGIN SR 28																				
15+738.74	X		PVT. DR.	3	4.5															
15+765.00		X	FLD. ENT.	3	10															
15+783.99	X		PVT. DR.	3	4.5															
15+805.51		X	PVT. DR.	3.5	5.5															
15+858.66		X	PVT. DR.	3	4															
15+875.69	X		FLD. ENT.	3	4															
15+918.21	X		PVT. DR.	3.2	4															
15+964.52	X		PVT. DR.	3																
16+033.33		X	BUS. ENT.	3.9	5															
16+058.22	X		PVT. DR.	3	4															
16+058.22		X	BUS. ENT.	12	18															
16+098.23		X	BUS. ENT.	8	9.5															
16+122.51	X		PVT. DR.	3.1	4															
16+163.16	X		PVT. DR.	3																
16+200.00		X	BUS. ENT.	7	9															
16+400.64	X		BUS. ENT.	8																
16+432.55	X		BUS. ENT.	10																
16+488.62		X	PVT. DR.	3																
16+520.00	X		BUS. ENT.	8																
16+549.43	X		BUS. ENT.	12																
16+600.11	X		BUS. ENT.	6																
16+627.41	X		BUS. ENT.	6																
16+670.00		X	BUS. ENT.	9.1																
17+800.00		X	FLD. ENT.	3																
17+297.00	X		CO. RD. ENT.	6.3																
17+320.00	X		FLD. ENT.	5																
17+340.00		X	FLD. ENT.	3.5																
17+364.00	X		BUS. ENT.	7																
17+397.00	X		BUS. ENT.	12																
00+12.312	X		PVT. DR.	3																OFF BUS. ENT. STA. 17+397.00
17+479.00	X		PVT. DR.	5																
17+500.00		X	FLD. ENT.	3	5															
17+580.00		X	BUS. ENT.	12	13															
17+689.00		X	PVT. DR.	3	5															
17+710.00		X	BUS. ENT.	6	7															
17+798.00		X	BUS. ENT.	6	7															
17+813.00	X		BUS. ENT.	5																
17+950.00	X		PVT. DR.	3	5															
17+974.00		X	PVT. DR.	3	5															
18+055.00	X		PVT. DR.	5.2	7															
18+194.00		X	PVT. DR.	3	5															
18+287.00		X	FLD. ENT.	9	10															
18+323.77		X	BUS. ENT.	9	13															
TOTALS					168	0	0	0	0	0	0	0	0	0			0	0	0	

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 5 OF 6

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	26

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

RAMPS AND SIDE DRAIN TABULATION

STATION	LOCATION LT	LOCATION RT	DESCRIPTION	SURFACE WIDTH (m)	RCP CLASS III OR CMP 1.52 mm (16 GA.) OR HDPE (m) FILL HEIGHT < OR = 3 m 450 mm	600 mm	750 mm	900 mm	1200 mm	RCP CLASS III OR CMP 1.91 mm (14 GA.) (m) FILL HEIGHT > 3 m AND < OR = 5.5 m 450 mm	600 mm	750 mm	900 mm	1200 mm	END TREATMENT TYPE	DRAWING NO.	CLASS A CONC. 611M07.01 (m^3)	REINF. STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)	REMARKS
18+340.00		X	BUS.ENT.	9	13.2															
18+374.00	X		BUS.ENT.	10	11															
18+398.00		X	PVT.DR.	3	5															
18+517.00	X		BUS.ENT.	6.4																
18+530.00		X	BUS.ENT.	9																
18+550.00		X	BUS.ENT.																	
18+586.50		X	PVT.DR.	3	5															
18+650.01	X		BUS.ENT.	6																
18+667.00	X		BUS.ENT.	10																
18+706.00		X	PVT.DR.	3	5															
18+721.00		X	BUS.ENT.	8	9															
18+723.00	X		BUS.ENT.	9																
18+751.00		X	BUS.ENT.	8	9															
18+828.00	X		PVT.DR.	3																
19+011.00	X		BUS.ENT.	7.2																
19+093.00	X		BUS.ENT.	7.1																
19+180.00	X		BUS.ENT.	10.8																
19+193.00		X	PVT.DR.	3	5															
19+341.00	X		PVT.DR.	3																
19+413.00		X	PVT.DR.	3	5															
19+496.00	X		PVT.DR.	3																
19+570.00		X	PVT.DR.	6	7															
19+710.40		X	BUS.ENT.	7.4																
19+777.00	X		PVT.DR.	3.3	5															
19+789.50	X		BUS.ENT.	3.6	5															
19+806.00	X		BUS.ENT.	3.9	5															
19+817.00	X		PVT.DR.	3.1	5															
19+830.00	X		PVT.DR.	3.1	5															
19+881.50	X		PVT.DR.	3.1	5															
19+914.00	X		PVT.DR.	9	10															
19+941.50		X	PVT.DR.	5																
19+955.50	X		BUS.ENT.	9	10															
19+977.00	X		BUS.ENT.	9.7	11															
20+00.00		X	PVT.DR.	3																
20+014.00	X		BUS.ENT.	6.5	7.5															
20+036.00	X		BUS.ENT.	8	9															
20+042.00		X	PVT.DR.	3																
20+059.00		X	BUS.ENT.	9.3																
20+609.00	X		BUS.ENT.	9																
20+652.00		X	BUS.ENT.	12																
20+663.00	X		PVT.DR.	6																
20+714.00	X		PVT.DR.	3																
20+714.50		X	PVT.DR.	6																
TOTALS					151.7	0	0	0	0	0	0	0	0	0			0	0	0	

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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 6 OF 8

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	2R

RAMPS AND SIDE DRAIN TABULATION

STATION	LOCATION LT	LOCATION RT	DESCRIPTION	SURFACE WIDTH (m)	RCP CLASS III OR CMP 1.52 mm (16 GA.) OR HDPE (m) FILL HEIGHT < OR = 3 m 450 mm	600 mm	750 mm	900 mm	1200 mm	RCP CLASS III OR CMP 1.91 mm (14 GA.) (m) FILL HEIGHT > 3 m AND < OR = 5.5 m 450 mm	600 mm	750 mm	900 mm	1200 mm	END TREATMENT TYPE	DRAWING NO.	CLASS A CONC. 611M07.01 (m^3)	REINF. STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)	REMARKS
20+745.50		X	BUS. ENT.	9																
20+758.00	X		BUS. ENT.	8																
20+845.00	X		PVT. DR.	3	5															
21+030.00		X	PVT. DR.	3.8																
21+142.00	X		PVT. DR.	4	5															
21+176.88		X	BUS. ENT.	12																
21+200.00	X		BUS. ENT.	8																
21+219.00		X	BUS. ENT.	10																
21+280.40	X		BUS. ENT.	12																
21+215.00		X	BUS. ENT.	9																
21+330.00	X		BUS. ENT.	12																
21+346.00		X	BUS. ENT.	8.6																
21+371.00		X	BUS. ENT.	7.4																
21+372.00	X		BUS. ENT.	12																
21+408.00		X	BUS. ENT.	7.2																
21+420.60	X		BUS. ENT.	12																
21+425.30		X	BUS. ENT.	6																
21+437.80		X	BUS. ENT.	6																
21+454.00		X	BUS. ENT.	6																
21+459.00	X		BUS. ENT.	11																
21+476.00	X		BUS. ENT.	8																
21+479.00		X	BUS. ENT.	8																
21+495.00		X	BUS. ENT.	8																
21+539.00		X	BUS. ENT.	8																
END SR 28																				
BEGIN SR 68																				
0+033.870	X		PVT. DR.	4.1	5															
0+056.980		X	PVT. DR.	5.3																
0+067.900	X		PVT. DR.	3.6	5.5															
0+106.820		X	BUS. ENT.	8																
0+140.730	X		PVT. DR.	3																
0+160.000		X	PVT. DR.	8																
0+266.500		X	PVT. DR.	4.8	5.5															
0+363.260	X		BUS. ENT.	7.2	8															
0+372.590		X	PVT. DR.	3.4	4															
0+409.000		X	PVT. DR.	3.4	7.8															
0+490.620	X		BUS. ENT.	7	8															
END SR 68																				
BEGIN CO RD																				
DRS SR 68																				
0+022.290	X		PVT. DR.	3	5															OFF DEEP DRAW RD. SR 68
0+039.260	X		PVT. DR.	4	6.5															OFF DEEP DRAW RD. SR 68
END CO RD																				
DRS SR 68																				
TOTALS					65.3	0	0	0	0	0	0	0	0	0			0	0	0	

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

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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2010	18006-3210-04	25

RAMPS AND SIDE DRAIN TABULATION

STATION	LOCATION		DESCRIPTION	SURFACE WIDTH	RCP CLASS III OR CMP 1.52 mm (16 GA.) OR HDPE (m) FILL HEIGHT < OR = 3 m					RCP CLASS III OR CMP 1.91 mm (14 GA.) (m) FILL HEIGHT > 3 m AND < OR = 5.5 m					END TREATMENT					REMARKS
	LT	RT		(m)	450 mm	600 mm	750 mm	900 mm	1200 mm	450 mm	600 mm	750 mm	900 mm	1200 mm	TYPE	DRAWING NO.	CLASS A CONC. 611M07.01 (m^3)	REINF. STEEL 611M07.02 (kg)	STRUC. STEEL 611M07.03 (kg)	
BEGIN CO RD																				
DRS SR 28																				
0+330.300	X		PVT. DR.	3																
0+330.340		X	PVT. DR.	3																
0+540.890		X	PVT. DR.	3																
0+600.300		X	PVT. DR.	3																FRONTAGE ON RT OFF SR 28
0+950.270		X	PVT. DR.	3																FRONTAGE ON RT OFF SR 28
1+160.910		X	PVT. DR.	3																FRONTAGE ON RT OFF SR 28
2+162.500	X		PVT. DR.	3																OFF CO RD MALVER DR
2+540.000	X		BUS. ENT.	8																OFF CO RD BROOKHAVEN DR
END CO RD																				
DRS SR 28																				
									0	0	0	0	0	0			0	0	0	

METRIC
TENNESSEE D.O.T.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.			2X

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

NOTES

1: THE NEW CHANNEL SHALL BE EXCAVATED AND STABILIZED DURING A LOW-WATER PERIOD. RIPRAP (ONLY AS SHOWN ON PLANS), SEEDING, AND SOD SHALL BE INSTALLED IMMEDIATELY FOLLOWING CHANNEL COMPLETION. TREES SHALL BE INSTALLED IN THE FIRST PLANTING SEASON ONLY AFTER IT IS COMPLETELY STABILIZED AND ONLY DURING A LOW WATER PERIOD. STABILIZED MEANS THAT ALL SPECIFIED ROCK AND EROSION CONTROL BLANKET OR FLEXIBLE CHANNEL LINER IS IN PLACE, AND SEEDING AND SOD ARE IN PLACE AND ESTABLISHED.

2: CHANNEL RELOCATION SEQUENCE:

A. FLAG EDGE OF THE NEW CHANNEL TOP BANK PRIOR TO CLEARING. DO NOT CLEAR LARGE TREES IN POSITION TO SHADE THE NEW CHANNEL. LEAVE AS MANY TREES AND SHRUBS AS POSSIBLE BETWEEN TOE OF THE NEW HIGHWAY SLOPE AND THE STREAM.

B. EXCAVATE THE NEW CHANNEL "IN THE DRY" BY LEAVING AREAS OF UNDISTURBED EARTH (DIVERSION BERMS) IN PLACE AT BOTH ENDS.

C: SHAPE CHANNEL TO SPECIFICATIONS SHOWN. REMOVE LOOSE SOILS AND DEBRIS.

D: PLACE TOPSOIL, EROSION CONTROL BLANKET OR FLEXIBLE CHANNEL LINER, SEED AND SOD AS SPECIFIED.

E: REMOVE DIVERSION BERMS, BEGINNING WITH THE MOST DOWNSTREAM, BANKS AND BOTTOM ELEVATION OF THE OLD CHANNEL SHOULD TRANSITION SMOOTHLY INTO THE NEW CHANNEL. THE ELEVATIONS OF THE NEW CHANNEL BOTTOM AT EACH END OF THE RELOCATION SEQUENCE SHOULD MATCH THE ELEVATIONS OF THE EXISTING CHANNEL, AND A STEADY PERCENT SLOPE SHOULD BE MAINTAINED THROUGHOUT THE RELOCATED CHANNEL CENTERLINE OR AS SPECIFIED.

F: INSTALL TREES ACCORDING TO STANDARD SPECIFICATIONS SECTION 802.

3: ONLY RIPRAP SHOWN ON PLANS SHOULD BE USED IN THE RELOCATED CHANNEL REACH. ANY OTHER PROPOSED RIPRAP SHOULD BE COORDINATED WITH THE TDOT ENVIRONMENTAL PLANNING AND PERMITS DIVISION THROUGH THE HEADQUATERS CONSTRUCTION OFFICE.

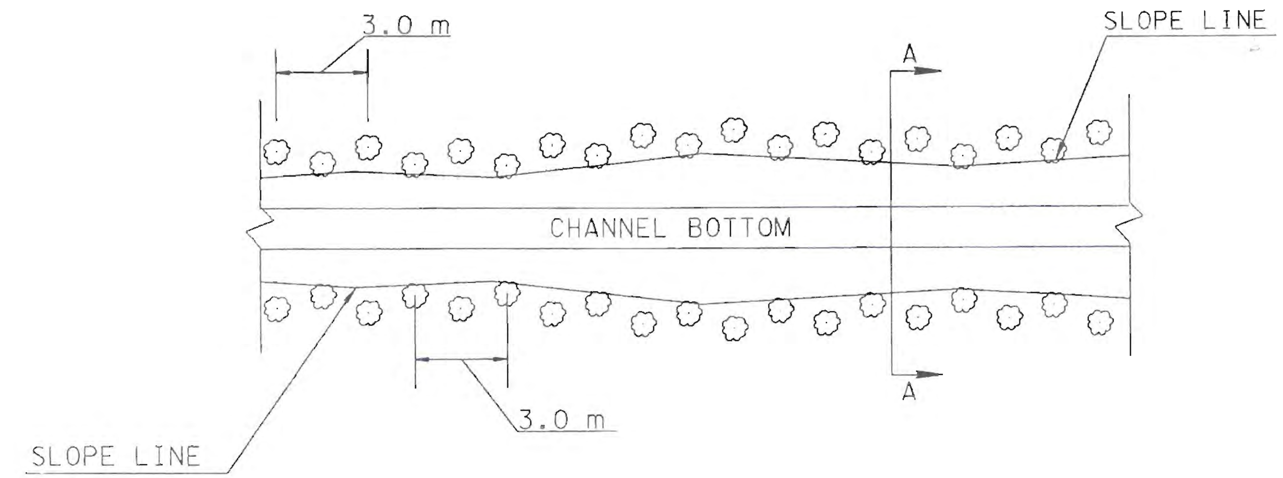
4: REQUESTS BY ANY AGENCY THAT WOULD REQUIRE THE MODIFICATION OF CHANNELS, DITCHES, ELEVATIONS, RIPRAP OR ANY OTHER STREAM MITIGATION ITEMS ASSOCIATED WITH THE CHANNEL RELOCATIONS SHALL BE REFERRED TO THE TDOT ENVIRONMENTAL PLANNING AND PERMITS DIVIDION THROUGH THE HEADQUARTERS CONSTRUCTION OFFICE FOR COORDINATION WITH ALL INVOLVED AGENCIES AND TDOT DIVISIONS. TENNESSEE DEPARTMENT OF ENVIROMENT AND CONSERVATION MAY MAKE RECOMMENDATIONS CONCERNING EROSION CONTROL VIA THE ENGINEER WITHOUT SUCH REFERRAL.

5: TREES.

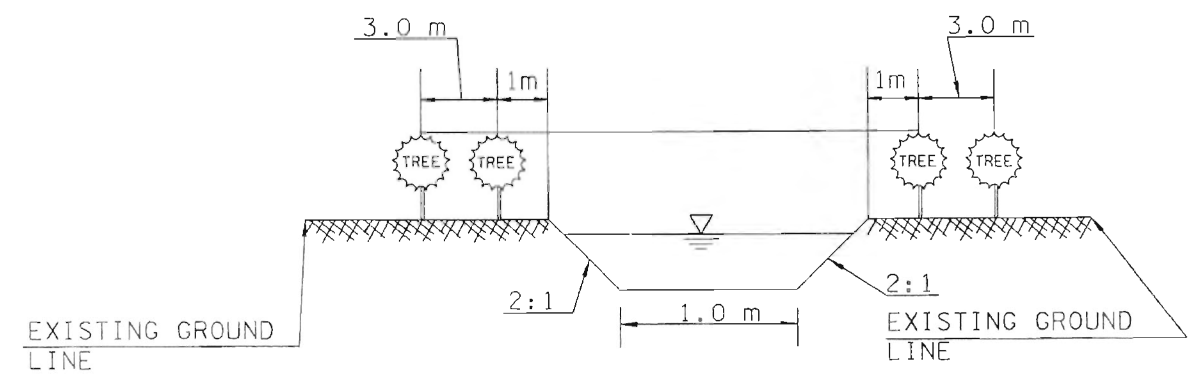
A: NO SUBSTITUTIONS OF TREE SPECIES OR SIZES SHALL BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE TDOT ENVIRONMENTAL PLANNING AND PERMITS DIVISION. CONCERNING STREAM MITIGATION, TREES SHALL BE OF THE VARIETY REQUESTED, WELL BRANCHED, WITH BALL AND BURLAP, AND FIRST QUALITY. CONCERNING TEMPORARY WETLAND MITIGATION, TREES SHALL BE OF THE VARIETY REQUESTED, WELL BRANCHED, BARE ROOT (ROOTS MUST BE KEPT MOIST AT ALL TIMES), AND FIRST QUALITY. NO CLONES OR CULTIVARS WILL BE ACCEPTED. ANY FOUND TO BE INCORRECT SPECIES, OR IMPROPERLY PLANTED, AT ANY TIME PRIOR TO TERMINATION OF THE CONTRACT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. STAKES AND WIRES SHALL BE REMOVED IMMEDIATELY PRIOR TO CONTRACT TERMINATION, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

B: THE CONTRACTOR SHOULD ARRANGE SEVERAL MONTHS AHEAD OF TIME TO OBTAIN THE CORRECT TREE SPECIES, AS SOME MAY REQUIRE SOME TIME TO LOCATE.

C: ALL TREES PLANTED SHALL BE WRAPPED AS PER SECTION 802.07 OF TDOT STANDARD SPECIFICATIONS FOR THE ROAD AND BRIDGE CONSTRUCTION. TREES SHALL BE WATERED AS REQUIRED THROUGHT THE PERIOD OF ESTABLISHMENT TO ENSURE SURVIVAL.



PLAN
NOT TO SCALE



PROPOSED CHANNEL CROSS-SECTION A-A
NOT TO SCALE

NOTE: SEE PROPOSED LAYOUT FOR CHANNEL LINING.

METRIC

TREE SPECIES
SALIX NIGRA(BLACK WILLOW) 1¼-1½" CALIPER, BALL AND BURLAP
LIRIODENDRON TULIPIFERA(TULIP POPLAR) 1¼-1½" CALIPER, BALL AND BURLAP
ACER RUBRUM(RED MAPLE) 1¼- 1½" CALIPER, BALL AND BURLAP
PLATANUS ACCIDENTALIS(SYCAMORE) 1¼-1½" CALIPER, BALL AND BURLAP
LIQUIDAMBAR STYRACIFLUA(SWEETGUM) 1¼-1½" CALIPER, BALL AND BURLAP

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

CANOPY
DETAILS
N.T.S.

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3
CONST.	2010	18006-3210-04	3

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNER	COUNTY RECORDS				AREA TO BE ACQUIRED HA/(AC)			AREA REMAINING HA/(AC)		EASEMENT SQ.M / (S.F.)			TOTAL AREA HA/(AC)		
		TAX MAP NO.	PARCEL NO.	DEED BOOK	PAGE NO.	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAIN	SLOPE	CONST.	LEFT	RIGHT	TOTAL
~~1~~	~~LINDI ELLIOTT AND EARNEST M. TAYLOR~~	139	50.00	427/511	333/655	78.0 m2 (840 S.F.)		78.0 m2 (840 S.F.)	5.4550 (13.4800)					5.463 (13.499)		5.4630 (13.499)
~~2~~	~~JOEL GREEN AND BERNARD GREEN~~	139	73.00	1030	1105		136.8 m2 (1472 S.F.)	136.8 m2 (1472 S.F.)		6.3243 (15.6272)		5.8 (62)	304.2 (3274)		6.3380 (15.661)	6.3380 (15.661)
~~3~~	~~BILLY B. NEELY, ET AL~~	139	49.00	443	322	0.0710 (0.1750)		0.0710 (0.1750)	8.6690 (21.4208)		273.3 (2942)	0.0860 ha 0.213 AC.	0.0776 ha 0.192 AC.	8.7400 (21.597)		8.7400 (21.597)
~~4~~	~~LOVELLA ROIG AND CYNTHIA SMITH~~	139	46.00	263	403										0.4050 (1.001)	0.4050 (1.001)
~~5~~	~~YVONNE WELCH AND TONY L. BEASLEY~~	139	47.00	338	370		(0.0066 (0.0160)	0.0066 (0.0160)		6.8940 (17.0360)	542.1 (5835)		221.3 (2383)		6.9010 (17.052)	6.9010 (17.052)
~~6~~	~~DELLA R. TATE AND KENNETH WILLIAM TATE~~	139	48.00	1050	2392		0.0022 (0.0050)	0.0022 (0.0050)		0.7450 (1.8400)	267.3 (2878)		84.2 (907)		0.7470 (1.846)	0.7470 (1.846)
~~7~~	~~HOWARD L. MERCER AND WIFE FRIEDA~~	139	8.00	102	346		133.4 m2 (1436 S.F.)	133.4 m2 (1436 S.F.)		7.1797 17.7408	114.3 (1231)	598.6 (6443)	430.6 (4635)		7.1930 (17.774)	7.1930 (17.774)
~~8~~	~~JIMMY A. BARKER AND ADAM C. BARKER~~	139	49.01	1064	881	0.0062 (0.0150)		0.0062 (0.0150)	0.2820 (0.6960)			91.4 (984)	132.7 (1428)	0.2880 (0.712)		0.2880 (0.712)
9	CUMBERLAND MOUNTAIN STATE PARK	126	42.00	34	551						823 (8859)	1364 (14682)	849 (9139)	612.3100 (1513.018)		612.3100 (1513.018)
~~10~~	~~CUMBERLAND HOMESTEAD BAPTIST CHURCH~~	139	7.00/9.01	34	539							0.0463 ha (0.114 AC)	302.8 (3259)		1.4150 (3.496)	1.4150 (3.496)
				58	520											
				1052	381											
~~11~~	~~GARY F. SCHWAB~~	139	9.01	364	6										1.9130 (4.727)	1.9130 (4.727)
~~12~~	~~LESTER S. PELFRY AND WIFE DOROTHY~~	139	9.00	420	711						2.0 (21.5)				0.917 (2.266)	0.9170 (2.266)
~~13~~	~~LELAH McCUISTION~~	139	6.00	45	442	0.1201 (0.297)		0.1201 (0.297)	3.5470 (8.764)		863.3 (9293)	282.1 (3037)	568.8 (6123)	3.6670 (9.061)		3.6670 (9.061)
~~14~~	~~CLAYTON TURNER AND WIFE SANDRA~~	139	10.00	468	200						411.7 (4431)	0.8 (8.6)	29.0 (312)		10.0280 (24.779)	10.0280 (24.779)
~~15~~	~~RALPH GRAHAM AND WIFE DOROTHY, ET AL~~	139	5.00	439	269	0.0598 (0.148)		0.0598 (0.148)	1.7130 (4.233)		106.6 (1147)	38.7 (417)	264.2 (2844)	1.7730 (4.381)		1.7730 (4.381)
~~16~~	~~DALLAS R. OWENS AND WIFE CAROLYN~~	139	11.00	281	100										0.3080 (0.761)	0.3080 (0.761)
			12.01	393	704											
17	JACK D. BURKLE AND WIFE NORMA	139	4.00	303	830	58.0 m² (624.3 ft²)		58.0 m² (624.3 ft²)	2.360 (5.832)					2.3660 (5.846)		2.3660 (5.846)
~~18~~	~~BETTY J. LAW~~	139	12.02	386	104								24.9 (268)		0.1970 (0.487)	0.1970 (0.487)
~~19~~	~~SUE BUMBALOUGH AND HUSBAND WILFRED~~	139	12.00	418	295								32.3 (347)		4.8590 (12.007)	4.8590 (12.007)
~~20~~	~~GREG R. INGRAM AND WIFE CAROL~~	139	13.00	505	269		.0672 (0.166)	.0672 (0.166)		28.1058 (69.361)					28.1370 (69.527)	28.1370 (69.527)
21	RONNIE LEE COX	139	4.04	270	839	41.0 m² (441.3 ft²)		41.0 m² (441.3 ft²)	0.7289 (1.801)					0.7330 (1.811)		0.7330 (1.811)
22	ROSS MAYNARD AND WIFE, JEMIMA	139	4.03	221	121	131.3 m² (1413.3 ft²)		131.3 m² (1413.3 ft²)	0.8219 (2.031)					0.8350 (2.063)		0.8350 (2.063)
~~23~~	~~DONALD RAY FICKEY AND WIFE VELMA~~	139	4.02	496	344	293.0 m2 (3154 S.F.)		293.0 m2 (3154 S.F.)	0.6807 (1.682)		76.6 (825)	131.1 (1411)	138.4 (1490)	0.7100 (1.754)		0.7100 (1.754)
~~24~~	~~ED LEE KINDRED AND WIFE DOROTHY, ET AL~~	139	4.01	390	565	341.0 m2 (3670 S.F.)		341.0 m2 (3670 S.F.)	0.6509 (1.608)			245.5 (2642)	138.6 (1492)	0.6850 (1.693)		0.6850 (1.693)
25	BENJAMIN W. HILL AND WIFE ELIZABETH	139	3.01	363	67	.1433 (0.354)		.1433 (0.354)	.8447 (2.087)					0.9880 (2.441)		0.9880 (2.441)
26	CUMBERLAND CO. BOARD ED.	139	14.00	83/1046	182						248.2 (2672)	52.6 (566)	0.0543ha (0.134ac)		10.0390 (24.806)	10.0390 (24.806)
27	JOHN HOWARD STUBBS	139	14.01	369	515	.08462 (0.209)		.08462 (0.209)	1.08838 (2.689)					1.1730 (2.898)		1.1730 (2.898)
~~28~~	~~JAMES D. DUNBAR~~	127	94.02	403	725	0.1032 (0.255)	101.4 m2 (1091 S.F.)	0.1135 (0.280)	0.9470 (2.339)	0.0000 (0.0000)		29.0 (312)	125.8 (1354)	1.0500 (2.593)	0.0100 (0.026)	1.0600 (2.619)
29	BUFORD AND JOHN HOWARD STUBBS	127	94.00	408	271	.3325 (0.822)		.3325 (0.822)	4.1875 (10.347)		168.0 (1808)			4.5200 (11.169)		4.5200 (11.169)
30	LOWELL THOMAS BERTRAN	139C	A10.00	480	198	268.0 m² (2885 ft²)		268.0 m² (2885 ft²)	0.2902 (0.717)					0.3170 (0.783)		0.3170 (0.783)
~~31~~	~~GARY R. GREENE AND WIFE WILMA~~	139C	A9.00	283	613									0.1740 (0.430)		0.1740 (0.430)
~~32~~	~~CUMBERLAND HOMESTEAD METHODIST~~	127	112.00	35	37		0.0395 (0.098)	0.0395 (0.098)		0.7525 (1.859)		15.2 (164)	141.5 (1523)		0.7920 (1.957)	0.7920 (1.957)
~~33~~	~~JACK COOPER & LINDA JEAN COOPER REVOCABLE TRUST AGREEMENT~~	139C	A11.01	516	105	0.0043 (0.011)		0.0043 (0.011)	0.7547 (1.865)					0.7590 (1.875)		0.7590 (1.875)
~~34~~	~~JOE E. REYNOLDS AND WIFE CHARLOTTE~~	139C	A11.00	467	494									0.2850 (0.704)		0.2850 (0.704)
~~35~~	~~JERRY BROWN~~	139C	A13.00	433	221									0.3220 (0.796)		0.3220 (0.796)
~~36~~	~~ROSELON INDUSTRIES, INC.~~	139C	A15.00	399	754									5.1720 (12.780)		5.1720 (12.780)
~~37~~	~~DOYLE T. VADEN~~	127	113.00	407	485										0.1490 (0.368)	0.1490 (0.368)
~~38~~	~~CATOOSA KNITTING MILLS, INC.~~	127	114.00	203	142										2.2480 (5.555)	2.2480 (5.555)
~~39~~	~~DRUCEIL HENRY~~	127	111.00	311	711										1.5000 (3.707)	1.5000 (3.707)
40	LESLIE S. PRATT AND WIFE BERNICE	127	106.00	198	673		80.0 m² (862 ft²)	80.0 m² (862 ft²)		0.2380 (0.588)	46.0 (495)				0.2460 (0.608)	0.2460 (0.608)
41	MARY ELLEN PARKER	127	105.00	460	398		79.0 m² (851 ft²)	79.0 m² (851 ft²)		0.3451 (0.853)					0.3530 (0.872)	0.3530 (0.872)
~~42~~	~~DAVID L. TRUE AND WIFE SUE~~	127	104.00	384	327										0.8290 (2.048)	0.8290 (2.048)
~~43~~	~~JOHN J. KLUENDER AND WIFE, DELLA~~	127	103.00	501	453		0.0283 (0.070)	0.0283 (0.070)		0.5120 (1.264)		1.0 (10)	158.4 (1705)		0.5400 (1.334)	0.5400 (1.334)
~~44~~	~~CITY OF CROSSVILLE~~	127	102.00	1032	1378		0.0467 (0.115)	0.0467 (0.115)		0.1083 (0.268)	117.8 (1268)	53.8 (579)	123.0 (1324)		0.1550 (0.383)	0.1550 (0.383)
~~45~~	~~ELMER C. CHOATE AND WIFE MILDRED~~	127	101.00	60	379		0.0681 (0.167)	0.0681 (0.167)		0.772 (1.908)	98.8 (1064)	100.1 (1078)	209.3 (2253)		0.8403 (2.076)	0.840 (2.076)
** ~~46~~	~~IVAN C. MOONEYHAM~~	127	100.00	69	562		117.0 m2 (1259 S.F.	117.0 m2 (1259 S.F.)		0.2137 (0.528)	25.5 (274)	108.0 (1436)	139 (1492)		0.2220 (0.549)	0.2220 (0.549)
** 47	JOSEPH CRUMP AND WIFE ELIZABETH	127	99.00	413	33		217.0 m² (2336 ft²)	217.0 m² (2336 ft²)		0.0303 (0.075)					0.0520 (0.128)	0.0520 (0.128)
** 48	WHITE DANIEL ETUX	127	98.00	1121	98		.4470 (0.221)	.4470 (0.221)		0.1047 (0.259)					0.5517 (1.363)	0.5517 (1.363)
** 48A	EBERT JOHN W	127	97.00	1163	1517		436.0 m² (4693 ft²)	436.0 m² (4693 ft²)		0.1003 (0.248)					0.1439 (0.356)	0.1439 (0.356)
			96.01	377	692											
49	LUTHER HODGE AND WIFE CORA	127	96.00	38	516		910.0 m² (9796 ft²)	910.0 m² 9796 ft²		2.656 (6.56)		79.0 (850)	283 m² (3046 FT²)		2.7470 (6.788)	2.7470 (6.788)
50	JACKIE STEVENS	127	94.03	1052	51	30.0 m² (323 FT²)		30.0 m² (323 FT²)	0.3470 (0.857)					0.3500 (0.865)		0.3500 (0.865)
~~51~~	~~ALICE N. HAMILTON~~	127	95.01	1050	605								65.3 (703)	0.1946 (0.481)		0.1946 (0.481)
~~52~~	~~MICHAEL DALE PROFFITT~~	127	95.03	482	474								80.8 (870)	0.1489 (0.368)		0.1489 (0.368)
~~53~~	~~NANCY C. BROWN~~	127	95.02	439	697							105.4 (1334)	179.3 (1930)	0.6200 (1.532)		0.6200 (1.532)
54	J. REED FAMILY, LLC.	127	72.01	1178	979		28.0 m² (302 FT²)	28.0 m² (302 FT²)		2.706 (6.69)		3 (32.3)	31 (334)		2.7090 (6.694)	2.7090 (6.694)
55	JIMMY D. WRIGHT AND WIFE MARGRET	127	72.00	397	541		65.0 m² (700 FT²)	65.0 m² (700 FT²)		3.430 (8.48)					3.4370 (8.493)	3.4370 (8.493)
56	JAMES L. MARSHALL	127	73.00	452	433		513 m² (5522 FT²)	513 m² (5522 FT²)		.9517 (2.35)		224 (2412)	463 (4973)		1.0030 (2.478)	1.0030 (2.478)
57	ELBERT CAMPBELL	127	94.01	393	376							0.1769 ha (0.437 AC)	0.0590 ha (0.146 AC)	2.5890 (6.397)		2.5890 (6.397)
58	M. E. DORTON	127	78.00	91	152	0.4253 (1.050)		0.4253 (1.050)		52.995 (130.95)		697.0 (7503)	194.0 (2088)		53.4200 (132.001)	53.4200 (132.001)
~~59~~	~~MARK A KNAEBEL AND WIFE SUSAN~~	127	74.00	507	304										0.1720 (0.425)	0.1720 (0.425)
60	LIDA A. MEADOR	127	75.00	496	96	160 m² (1723 FT²)		160 m² (1723 FT²)		.3106 (0.768)					0.3266 (0.807)	0.3266 (0.807)
61	REBA KEMMER LANIGAN	127	76.00	166	447	154 m² (1658 FT²)		154 m² (1658 FT²)		.6139 (1.517)					0.6293 (1.5550)	0.6293 (1.5550)
205	GREG R. INGRAM AND WIFE CAROL										216.5 (2330)					

** LOSS OF ACCESS

REVISION: 11/28/01 ADJUSTED ACQUISITION QUANITIES AND ADDED TOTAL ACQUISITION TO TRACT NO. 9.

REVISION: 4/10/02 ADDED DRAINAGE EASEMENT TO TRACT NO. 46

REVISION: 11/26/02 ADJUSTED ACQUISITION QUANITIES ON TRACT NO. 32.

REVISION: 05/12/03 ADDED PROP. R.O.W. TO TRACT NO. 22. DELETED DRAINAGE EASEMENT ON TRACT NO. 22.

REVISION: 05/01/06 MODIFIED ACQUISITION TABLE TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. R.O.W. PURCHASED FOR TRACTS 3,5, AND 6 BUT NOT USED DUE TO NEW PROJECT LIMITS.

REVISION: 11/10/06 MODIFIED DRAINAGE EASEMENT ON TRACT NO. 40 TO REFLECT NEW CULVERT DESIGN.

REVISION: 02/26/07 ADJUSTED ACQUISITION QUANTITIES ON TRACT NO.26. LINED THROUGH TRACT NO. 20 AND ADDED TRACT NO. 20S. REMOVED PERMANENT DRAINAGE EASEMENT ON TRACT NO. 25.

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

RIGHT-OF-WAY ACQUISITION TABLE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3A
CONST.	2010	18006-3210-04	3A

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNER	COUNTY RECORDS				AREA TO BE ACQUIRED HA/(AC)			AREA REMAINING HA/(AC)		EASEMENT SQ.M / (S.F.)			TOTAL AREA HA/(AC)		
		TAX MAP NO.	PARCEL NO.	DEED BOOK	PAGE NO.	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAIN	SLOPE	CONST.	LEFT	RIGHT	TOTAL
62	WAYNE T. EDWARDS	127	77.00	477	732		$328\ m^2$ (3531 FT^2)	$328\ m^2$ (3531 FT^2)		0.5722 (4.414)		372 (4004)	180 (1938)		0.6050 (1.495)	0.6050 (1.495)
63	~~ARCHIE DEAN BREEDING BILBREY~~	127	79.01	460	240									0.2237 (0.553)		0.2237 (0.553)
64	~~HANEY BREEDING AND WIFE LELOWINE~~	127	79.00	102	236		0.0756 (0.1870)	0.0756 (0.1870)		1.0350 (2.5580)	188.6 (2030)	.0810 ha. (.200) AC	.0480 ha. (.119) AC		1.1110 (2.745)	1.1110 (2.745)
65	~~ARCHIE DEAN BREEDING BILBREY~~	127	88.00	213	381										1.2890 (3.185)	1.2890 (3.185)
			87.00	62	192											
66	JERRY D. BURNETT, ET AL	127	80.00	1032/1077	118/2053						35.1 (378)				1.5090 (3.729)	1.5090 (3.729)
67	DELETED															
68	~~CLINT BURNETT AND WIFE VELMA~~	127	80.00	46	105									0.5000 (1.236)		0.5000 (1.236)
69	~~CARMACK SELBY AND WIFE~~	127	86.00	36	582									0.2682 (0.663)		0.2682 (0.663)
70	BOBBIE TOLLETT	127	81.00	382	21							285.1 (3069)	181.5 (1953)		0.8290 (2.048)	0.8290 (2.048)
71	~~CHARLES W. WENG AND WIFE IZETTA~~	127	85.01	199	591									0.1471 (0.363)		0.1471 (0.363)
72	~~CORDON W. SELVY AND WIFE WILMA~~	127	85.00	329	258									0.1848 (0.457)		0.1848 (0.457)
73	BRENDA KING AND HUSBAND ANTHONY	127	81.01	487	132							87.5 (941)	198.1 (2132)		2.1710 (5.365)	2.1710 (5.365)
74	W. PERKINS THORNTON	127	82.00	270	246							243.9 (2625)	218.5 (2351)		2.2980 (5.678)	2.2980 (5.678)
75	~~HOMER WRIGHT AND WIFE~~	127	84.00	38	523									0.7060 (1.745)		0.7060 (1.745)
76	~~V. F. W. POST 5025~~	127	83.00	47	49									1.0210 (2.523)		1.0210 (2.523)
77	PIERRE K. BERRY AND WIFE, DONNA J. BERRY	127	83.01	1086	878						.0846 ha. (.209) AC		21.1 (227)		2.0240 (5.001)	2.0240 (5.001)
78	~~CASTO GREENE AND WIFE GENEVA~~	127	27.00	47	148									0.1640 (0.405)		0.1640 (0.405)
79	CASTO GREENE AND WIFE GENEVA	127	27.00	53	326						.0576 ha. (.142) AC		43.8 (472)		19.1960 (47.433)	19.1960 (47.433)
				87	91											
80	~~ROBERT BOALICK JR.~~	127	19.00	478	613										0.2416 (0.597)	0.2416 (0.597)
81	~~PAUL WEST, SR~~	127	18.00	178	189										0.1932 (0.477)	0.1932 (0.477)
82	~~RANDY L. PUGH~~	127	24.00	429	580										0.4210 (1.040)	0.4210 (1.040)
83	MARGRET SHROYER AND ROBERT BILBREY	127	15.00	289	625		0.0164 (0.0400)	0.0164 (0.0400)		2.2530 (5.5660)	501.0 (5393)		20.6 (222)		2.2690 (5.607)	2.2690 (5.607)
84	HERSCHELL L. BECKER, ET UX & JEFFREY L. BECKER, ET UX	127	14.00	1067	1378		0.0172 (0.0430)	0.0172 (0.0430)		6.6000 (16.3080)	323.3 (3479)		38.8 (418)		6.6170 (16.351)	6.6170 (16.351)
85	STATE OF TENNESSEE	127	8.00	FLD.	VER.							253.2 (2725)	237 (2551)	5.6320 (13.917)		5.6320 (13.917)
86	ROBERT PARSONS ETAL	127	14.01	505	377		0.0239 (0.0590)	0.0239 (0.0590)		0.6360 (1.5720)	303.3 (3265)	66.2 (713)	154.5 (1663)		0.6600 (1.631)	0.6600 (1.631)
87	ROY ALLRED AND WIFE THELMA	127	9.00	126	37		0.0210 (0.0520)	0.0210 (0.0520)		0.465 (1.209)	350.3 (3771)	1316.0 (14165)	285.4 (3072)		0.4860 (1.201)	0.4860 (1.201)
88	BURRIS FUNERAL HOME, INC.	127	10.00	503	361		0.0163 (0.0400)	0.0163 (0.0400)		2.6822 (6.6260)	149.6 (1610)	625.2 (6730)	260.5 (2804)		2.6980 (6.667)	2.6980 (6.667)
89	J. LESLIE HEDGECOTH AND OTHERS	127	11.00	478	538		0.0086 (0.0210)	0.0086 (0.0210)		21.8450 (53.9790)	308.1 (3316)	831.3 (8948)	449.7 (4841)		21.8540 (54.001)	21.8540 (54.001)
90	THOMAS R TAYON AND WIFE KATHLEEN	127	6.00	460	367							47.2 (508)	93.5 (1006)	0.6050 (1.495)		0.6050 (1.495)
91	~~GENE BURRIS AND WIFE URSA JEAN~~	127	6.01	375	330									0.8300 (2.051)		0.8300 (2.051)
92	SURESH PATEL, ET UX	127	5.00	1003	2051		0.0040 (0.0100)	0.0040 (0.0100)		0.2110 (0.5210)	182.2 (1961)	83.2 (896)	141.9 (1527)		0.2149 (0.531)	0.2149 (0.531)
93	ILLA RUTH POTEET	127	7.00	44/1037	343/354						27.6 (297)		56.7 (610)	26.1922 (64.720)		26.1922 (64.720)
94	JACK L. LOONEY AND OTHERS	127	3.00	1050	538		0.0899 (0.2220)	0.0899 (0.2220)		44.022 (108.7770)	1901.0 (20463)		350.2 (3770)		44.1120 (109.001)	44.1120 (109.001)
95	CUMBERLAND TRINITY TABERNACLE, INC.	127	2.00	315	827						133 (1432)		4.9 (53)	2.6200 (6.474)		2.6200 (6.474)
96	JACK L. LOONEY & OTHERS	127	3.00	1050	538		0.0815 (0.2010)	0.0815 (0.2010)		(11.7930)	.1732 ha. (0.428) AC		259.3 (2899)		4.8540 (11.994)	4.8540 (11.994)
97	~~J.H. GRAHAM AND OTHERS~~	113	22	496	483									30.7800 (76.057)		30.7800 (76.057)
98	VIRGIE O. DENTON	114P	A-10	56	114		0.0761 (0.1880)	0.0761 (0.1880)		3.1640 (7.8180)	864.6 (9037)	377.2 (4060)	663.5 (7142)		3.2400 (8.006)	3.2400 (8.006)
99	JOHN W. ELDRIDGE AND EMMA LEE COWAN	126	39	301	405	0.0019 (0.0050)		0.0019 (0.0050)	11.7340 (28.9950)				58.7 (632)	11.7360 (29.000)		11.7360 (29.000)
100	VIRGIE O. DENTON	113M	A-18.19	56	114		0.0423 (0.1050)	0.0423 (0.1050)		0.3160 (0.7810)	168.5 (1814)	131.2 (1412)	199.2 (2144)		0.3586 (0.886)	0.3586 (0.886)
101	~~MORRIS SORRELLS ETUX EMMA~~	113M	17	93	170										0.3554 (0.878)	0.3554 (0.878)
102	~~DAHL G. BLUM ETUX PATRICIA~~	113M	22	451	106										0.1626 (0.402)	0.1626 (0.402)
103	~~HERBERT L. TRANCE~~	113M	21	440	683										0.1573 (0.389)	0.1573 (0.389)
104	JOE LEE SMITH ETUX SARAH	113M	20	325	342		0.0198 (0.0490)	0.0198 (0.0490)		0.1760 (0.4350)	226.9 (2442)	169.6 (1826)	170.8 (1838)		0.1960 (0.484)	0.1960 (0.484)
105	~~CROSSVILLE PROPERTIES LIMITED~~	113	23	337	442									1.2840 (3.173)		1.2840 (3.173)
106	B&W PROPERTIES	113M	A-25	282	509		0.0664 (0.1640)	0.0664 (0.1640)		1.7830 (4.4050)		759 (8170)	628 (6760)		1.8490 (4.569)	1.8490 (4.569)
107	RUTH AN KERLEY & JERRY KERLEY	113M	A-11	1002	2315				0.3941 (0.974)			15.4 (166)	73.8 (794)	0.3941 (0.974)		0.3941 (0.974)
108	~~CARL DOUGLAS SMITH ETUX PATRICIA~~	113M	A-11.01	314	501									0.1963 (0.485)		0.1963 (0.485)
109	~~JUANITA GLADYS DAVIS~~	113M	A-10	183	558									0.1946 (0.481)		0.1946 (0.481)
110	LELIA M. PHILLIPS GATLIN	113M	A-9	354	68				0.2111 (0.522)			22 (237)	98.1 (1056)	0.2111 (0.522)		0.2111 (0.522)
111	SAMUEL A. RYAN ETUX DONNA	113M	A-8	48	434								20.8 (223)	0.3758 (0.929)		0.3758 (0.929)
112	DENISE K. MELTON	113M	A-7	1069	2378								11.8 (127)	0.3760 (0.929)		0.3760 (0.929)
113	~~ELIZABETH HOLLINGSWORTH~~	113M	A-6	467	680									0.5310 (1.312)		0.5310 (1.312)
114	FINLEY HOLLINGSWORTH ETUX ELIZABETH	113M	A-5	156	617								52.7 (351)	0.5600 (1.384)		0.5600 (1.384)
				62	485											
115	RUBY TOLLETT HUGHES	114I	A-26	49	406		0.0408 (0.1010)	0.0408 (0.1010)		1.9340 (4.7790)		0.0408 ha (0.101 AC)	0.0403 ha (0.100 AC)		1.9750 (4.880)	1.9750 (4.880)
116	CROSSVILLE MASONIC LODGE #483	113M	A-4.03	214	15								12.6 (351)	0.7600 (1.878)		0.7600 (1.878)
117	SENIOR CITIZENS OF CUMBERLAND CO.	113M	A-4.04	250	866								8.3 (89)	0.7550 (1.866)		0.7550 (1.866)
118	FRANKLIN HENRY	114I	A-27	478	777		0.0024 (0.0060)	0.0024 (0.0060)		0.2660 (0.6580)		8.3 (89)	89.5 (963)		0.2687 (0.664)	0.2687 (0.664)
				137	398											
119	AMERICAN LEGION POST #163	113M	A-4.07	272	621							28 (301)	276.9 (2980)	0.9940 (2.456)		0.9940 (2.456)
120	~~JIM OAKES ETUX DORTHY~~	114I	A-28.01	335	400										0.7680 (1.898)	0.7680 (1.898)
121	~~LLOYD L. SCARLETT ETUX SHIRLEY~~	113L	D-2	272	843										5.504 (13.600)	5.5040 (13.600)
		113L	D-28	336	45											
122	~~JEAN H. DUFREE (SEE PRJ# 18083-2208-04)~~	113L	C-5	321	244										1.8070 (4.465)	1.8070 (4.465)

REVISION: 4/09/01 ADDED DRAINAGE EASEMENT ON TRACT NO 94. ADDED CONSTRUCTION EASEMENT ON TRACT NO. 95.

REVISION: 01/06/03 DELETED "ROBERT TOLLETT" FROM PROPERTY OWNERS NAME FOR TRACT NO. 70. CHANGED PROPERTY OWNERS NAME, DEED BOOK AND PAGE ON TRACT NO. 77.

REVISION: 06/21/04 DELETED CONSTRUCTION EASEMENT FROM TRACT NO. 105.

REVISION: 05/01/06 MODIFIED ACQUISITION TABLE TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. R.O.W. PURCHASED FOR TRACTS 3,5, AND 6 BUT NOT USED DUE TO NEW PROJECT LIMITS.

REVISION: 05/30/06 MODIFIED TRACT NO. 106 TO REFLECT CHANGES DUE TO MEDICAL CENTER CONSTRUCTION.

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

RIGHT-OF-WAY ACQUISITION TABLE

24-FEB-2010 13:54

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3B
CONST.	2010	18006-3210-04	3B

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNER	COUNTY RECORDS: TAX MAP NO.	PARCEL NO.	DEED BOOK	PAGE NO.	AREA TO BE ACQUIRED HA/(AC): LEFT	RIGHT	TOTAL	AREA REMAINING HA/(AC): LEFT	RIGHT	EASEMENT SQ.M / (S.F.): PERM DRAIN	SLOPE	CONST.	TOTAL AREA HA/(AC): LEFT	RIGHT	TOTAL
123	CENTRAL BAPTIST CHURCH, INC.	113M	A-4.08	262	910							25.0 (269)	89.4 (962)	4.1320 (10.210)		4.1320 (10.210)
		113M	A-4.05	468	403											
~~124~~	~~JEAN H. DUFREE (SEE PRJ# 18083-2208-04)~~	113M	A-4.06	321	244									2.8690 (7.089)		2.8690 (7.089)
~~125~~	~~JEAN H. DUFREE (SEE PRJ# 18083-2208-04)~~	113M	A-4.06	321	244									1.9080 (4.715)		1.9080 (4.715)
126	FRANK BANNER, ET AL	113L	C-4	404	395		0.0014 (0.0040)	0.0014 (0.0040)		0.4980 (1.2310)		11.0 (118)	104.8 (1128)		0.4995 (1.234)	0.4995 (1.234)
		113L	C-3	111	225											
127	JOE CRUMP ETUX ELIZABETH	113L	B-9.01	437	263								72.7 (782)	0.1713 (0.423)		0.1713 (0.423)
128	CHARLES E. GADDIS ETUX ANNIE	113L	C-2	238	651		0.0033 (0.0080)	0.0033 (0.0080)		0.1560 (0.3860)			11.4 (123)		0.1597 (0.395)	0.1597 (0.395)
129	CHARLES RAMOS, ET UX	113L	B-9	1015	812								7.3 (78)	0.1648 (0.407)		0.1648 (0.407)
130	LUTHER E. BEAM & BEST FINANCIAL SERVICES, LLC.	113L	B-8/B-8.01	1025/1108	523/516								166.2 (1789)	0.547 (1.352)		0.5470 (1.352)
			B-8.01													
131	IRA L. SHERILL	113L	C-1	95	414								11.7 (1421)		0.9070 (2.241)	0.9070 (2.241)
132	HENRY GIBSON AND WIFE BONNIE	113L	B-7	90	26								87.5 (942)	0.1239 (0.306)		0.1239 (0.306)
133	WILLIAM DEAN HENRY	113L	B-6	1028	1060	0.0102 (0.0250)		0.0102 (0.0250)	0.5160 (1.2750)				30.4 (327)	0.5263 (1.300)		0.5263 (1.300)
134	CURTIS LEE HONEYCUTT AND WIFE, KAROLYN JANE HONEYCUTT	113L	A-1	1018	1114	0.0127 (0.031)		0.0127 (0.031)	0.1923 (0.476)			52.0 (560)	127.7 (1374)	0.2051 (0.507)		0.2051 (0.507)
135	CHARLES NORROD AND WIFE JOYCE	113F	F-9	53	297							245.4 (2641)	182.0 (1959)	0.2061 (0.509)		0.2061 (0.509)
136	WILMA B. CRAVENS	113E	A-1	158	323						143.4 (1544)	887.0 (9548)	592.4 (6377)		22.0560 (54.500)	22.0560 (54.500)
137	CARL J. COOPER AND WIFE MARY	113F	F-8.10	475	606							682.0 (7341)	334.6 (3602)	0.7600 (1.878)		0.7600 (1.878)
138	DONALD G. HOOIE, ET UX	113F	E-6	1042	2072						254.7 (2742)	330.6 (3559)	277.5 (2987)	1.7260 (4.265)		1.7260 (4.265)
		113F	F-7	505	406											
139	FIRST BAPTIST CHURCH	113F	F-6	262	666							660.5 (7110)	337.9 (3637)	1.6330 (4.035)		1.6330 (4.035)
		113F	E-5	262	666											
140	MARK BURRIS AND WIFE SUE	113E	A-2.01	1059	791								34.8 (375)		0.3696 (0.913)	0.3696 (0.913)
141	FLYNN SIGN CO.	113E	A-2.02	365	222						119.5 (1287)	74.7 (805)	79.4 (855)		0.1836 (0.454)	0.1836 (0.454)
142	ROBERT W. TURNEY	113E	A-2	393	653							2.2 (24)	17.0 (183)		0.3257 (0.805)	0.3257 (0.805)
143	ROBERT W. AGEE	113F	F-5	1080	732							18.6 (200)	35.7 (384)	0.2558 (0.632)		0.2558 (0.632)
~~144~~	~~TOM SHADDEN AND WAYNE SHADDEN~~	113F	F-4	429	82									0.5190 (1.282)		0.5190 (1.282)
			F-4.01	431	513											
~~145~~	~~VOLUNTEER ELECTRIC COOPERATIVE~~	113E	A-3	64	296										1.2190 (3.012)	1.2190 (3.012)
146	WILMA B. CRAVENS	113E	A-4.04	158	323								12.0 (129)		0.3207 (0.792)	0.3207 (0.792)
		113E	A-4.06	158	323											
~~147~~	~~ALFRED L. MYERS AND WIFE BETTY~~	113F	F-3	112	316									0.1949 (0.482)		0.1949 (0.482)
~~148~~	~~JOHN E. BLEVINS~~	113F	F-2	458	36									0.0738 (0.182)		0.0738 (0.182)
149	CUMBERLAND MEDICAL CENTER	113F	F-1	1060	1624							23.3 (251)	87.0 (936)	0.2686 (0.664)		0.2686 (0.664)
150	CUMBERLAND MEDICAL CENTER	113F	A-4.02	1068	1207								7.3 (79)		0.1806 (0.446)	0.1806 (0.446)
151	CUMBERLAND MEDICAL CENTER	113F	A-4.03	1009	2240					0.2004 (0.495)					0.2004 (0.495)	0.2004 (0.495)
~~152~~	~~MED ARTS~~	113F	A-4.05	328	519										1.7560 (4.339)	1.7560 (4.339)
153	CUMBERLAND COUNTY	113F	E-3	1080	821							4.3 (46)	22.7 (244)	1.2140 (3.000)		1.2140 (3.000)
154	CUMBERLAND COUNTY, TENNESSEE	113F	E-2.00	403	565	0.0169 (0.042)		0.0169 (0.042)	3.5373 (8.741)			15.2 (164)	90.4 (973)	3.5542 (8.783)		3.5542 * (8.783)
155	CUMBERLAND MEDICAL CENTER, INC.	113C	F-10.00	442	595		91 m2 (980 S.F.)	91 m2 (980 S.F.)		3.3986 (8.398)					3.4077 (8.421)	3.4077 * (8.421)
156	BUSTER L. CAMPBELL, ET UX			1019	821							4.5 (45)	24.6 (265)	1.0161 (2.511)		1.0161 * (2.511)
~~24S~~	~~ED LEE KINDRED AND WIFE DOROTHY, ET AL~~										68.0 m^2 (732.0 FT^2)			68.0 m^2 (732.0 FT^2)		68.0 m^2 (732.0 FT^2)
32S	CUMBERLAND HOMESTEAD METHODIST						169 m^2 (1819 FT^2)	169 m^2 (1819 FT^2)							169 m^2 (1819 FT^2)	169 m^2 (1819 FT^2)
45S	ELMER C. CHOATE AND WIFE MILDRED						99 m^2 (1066 FT^2)	99 m^2 (1066 FT^2)							99 m^2 (1066 FT^2)	99 m^2 (1066 FT^2)
** 46S	IVAN C. MOONEYHAM						330 m^2 (3552 FT^2)	330 m^2 (3552 FT^2)					*** 0.2137ha (0.528ac)		330 m^2 (3552 FT^2)	330 m^2 (3552 FT^2)

* PLANIMETERED AREA
** LOSS OF ACCESS
*** FOR REMOVAL OF STRUCTURES

REVISION: 01/06/03 CHANGED PROPERTY OWNERS NAME, DEED BOOK, AND PAGE ON TRACT NO. 134. CHANGED PROPERTY OWNERS NAME, DEED BOOK, AND PAGE ON TRACT NO. 153. DELETED PROP. R.O.W. ON TRACT NO. 151 DUE TO ENVIROMENTAL CONCERNS. CHANGED PROPERTY OWNERS NAME ON TRACT NO. 151.

REVISION: 05/12/03 CHANGED PROPERTY OWNERS NAME, DEED BOOK, PARCEL NO. AND PAGE ON TRACT NO. 130. CHANGED PROPERTY OWNERS NAME, DEEDBOOK, AND PAGE ON TRACT NO. 143.

REVISION: 05/01/06 MODIFIED ACQUISITION TABLE TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. R.O.W. PURCHASED FOR TRACTS 3,5, AND 6 BUT NOT USED DUE TO NEW PROJECT LIMITS.

REVISION: 11/10/06 MODIFIED R.O.W. ON TRACT NO. 32S. DELETED DRAINAGE EASEMENT FROM 45S.

REVISION: 02/26/07 LINED THROUGH TRACT NO. 24S. ADDED CONSTRUCTION EASEMENT TRACT NO. 46S

UTILITY OWNERS

WATER, SEWER
UG ELECT. &
STREET LIGHTS

CITY OF CROSSVILLE
99 MUNICIPAL AVENUE
CROSSVILLE, TN. 38555
PH. (615) 484-5113
CONTACT: KEVEN OAKS
MR. JACK MILLER

POWER

VOLUNTEER ELECTRIC COOPERATIVE
P.O. BOX 277 18359 HWY. 58 NORTH
DECATUR, TN. 37322
PH. (615) 334-7001
CONTACT: RODY BLEVINS

GAS

MIDDLE TENN. GAS UTILITY DISTRICT
1030 WEST BROAD STREET
SMITHVILLE, TN. 37166
PH. (615) 597-4300
CONTACT: MATT STENNETT

TELEPHONE

FRONTEIR COMMUNICATIONS

COOKEVILLE, TN. 38501
PH. (615) 528-0661
CONTACT: DON SMITH

CATV

CHARTER COMMUNICATIONS
38 WEST BROAD STREET
COOKVILLE, TN 38501
PH. (931) 372-2889 EXT. 533
CONTACT: MR. JOE HUNTER

R I G H T - O F - W A Y

IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT, BE REMOVED THEREFROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, HEADQUARTERS SURVEY AND DESIGN OFFICE AND THE CIVIL ENGINEERING MANAGER 1, REGIONAL SURVEY AND DESIGN OFFICE, ARE TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON "RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY", STANDARD DRAWING RPM-R-1 AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCHDOWN POINT OR UNTIL THE GRADE IS LESS THAN 7 PERCENT.

R I G H T - O F - W A Y

WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.

NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PERCENT CRITERIA. THOSE 7 PERCENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PERCENT WILL BE COVERED WITH BASE STONE.

ON PROJECTS WITH CURB AND GUTTER, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT. AFTER THE PERMIT HAS BEEN GRANTED THE DEPARTMENT WILL CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE THROUGH THE CURB AND SIDEWALK, PROVIDED THE CURB AND SIDEWALK HAVE NOT BEEN CONSTRUCTED. IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONSTRUCT THE DRIVEWAY FROM BACK OF SIDEWALK TO THE TOUCH DOWN POINT.

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

RIGHT-OF-WAY ACQUISITION TABLE

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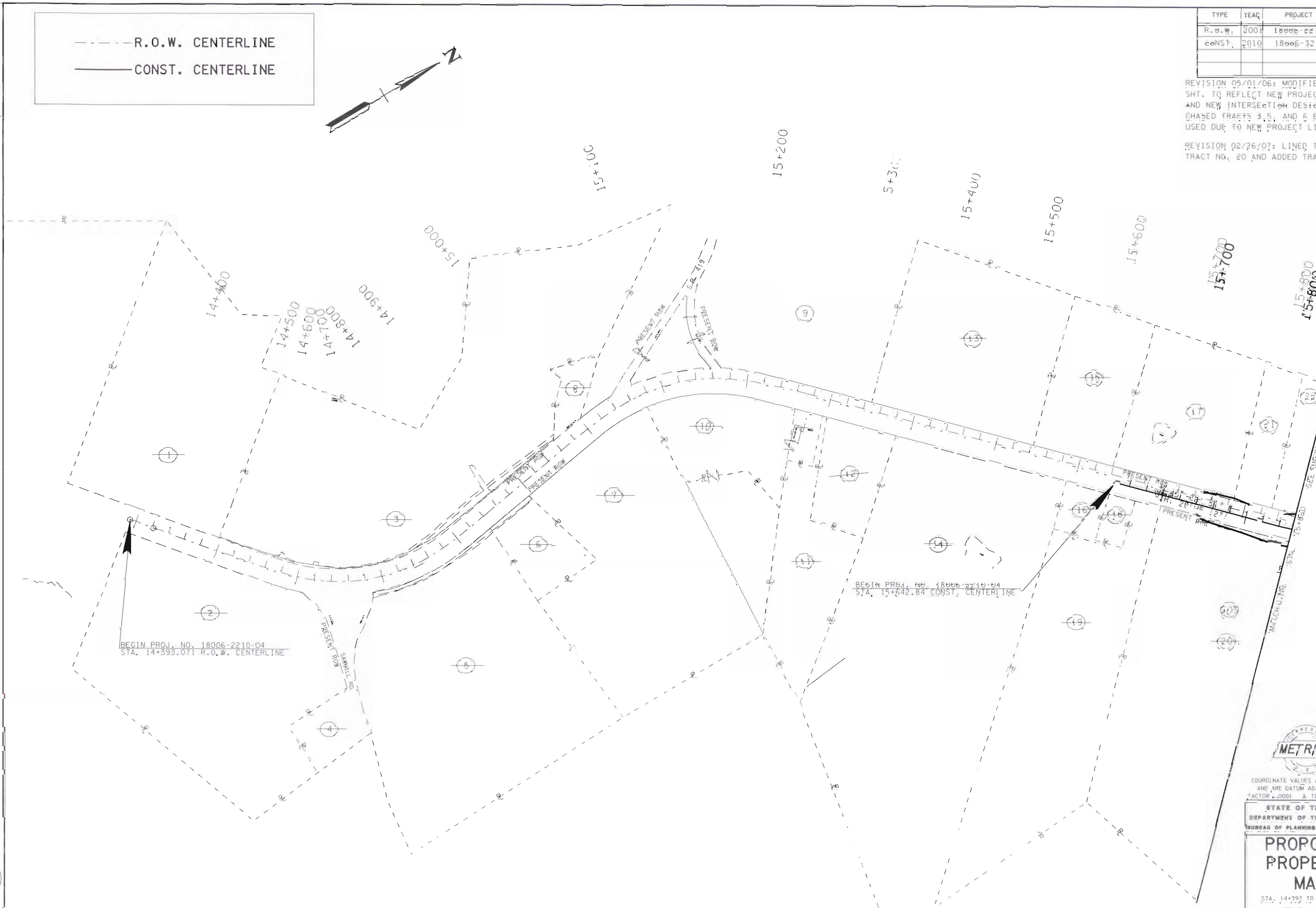
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	36
CONST.	2010	18006-3210-04	36

REVISION 05/01/06: MODIFIED PROPERTY SHT. TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. PURCHASED TRACTS 3,5, AND 6 BUT NOT USED DUE TO NEW PROJECT LIMITS.

REVISION 02/26/07: LINED THROUGH TRACT NO. 20 AND ADDED TRACT NO.20S



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

PROPOSED PROPERTY MAP

STA. 14+393 TO STA. 15+860

SCALE: 1:2000

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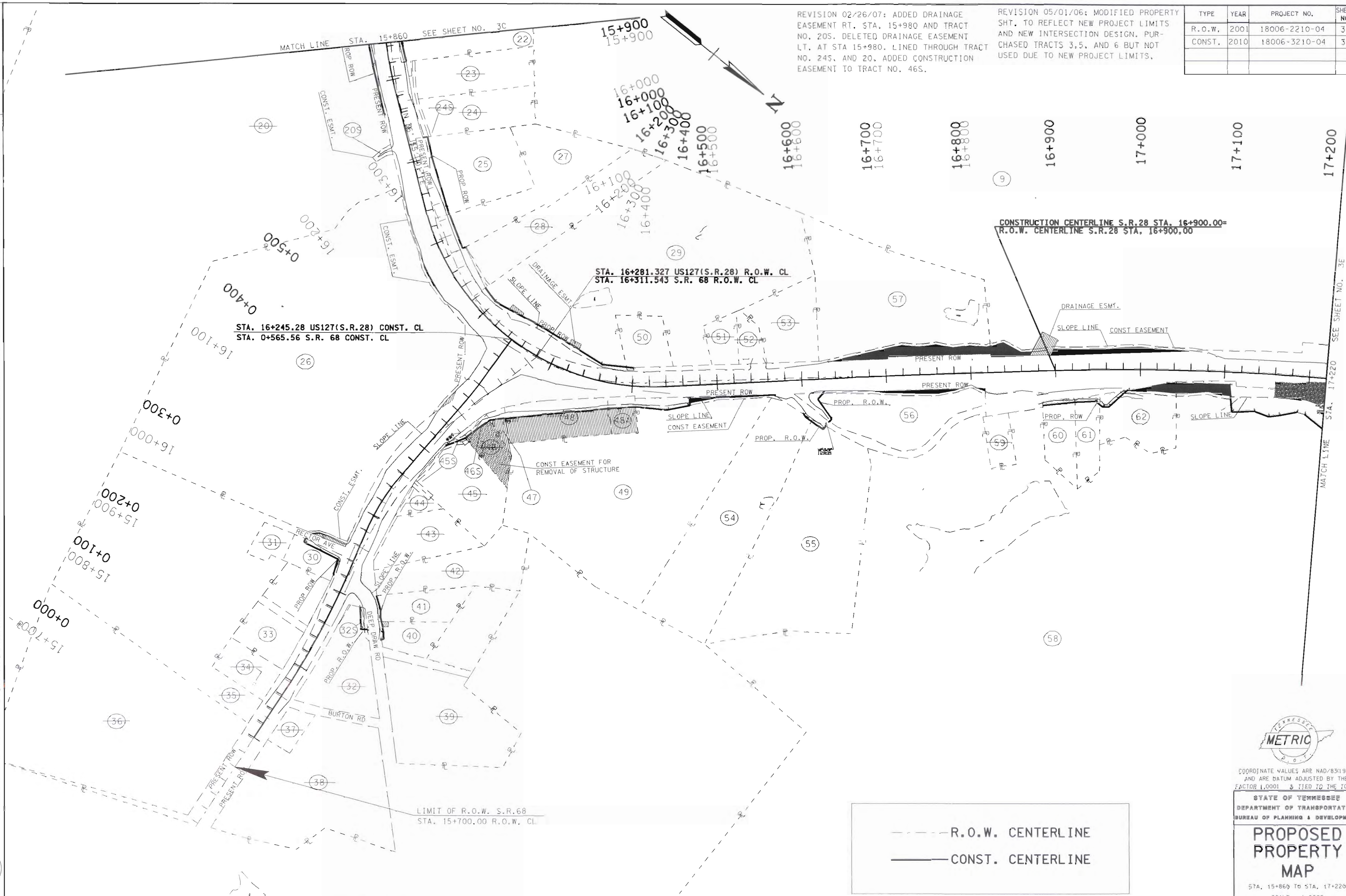
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3D
CONST.	2010	18006-3210-04	3D

REVISION 02/26/07: ADDED DRAINAGE EASEMENT RT. STA. 15+980 AND TRACT NO. 20S. DELETED DRAINAGE EASEMENT LT. AT STA 15+980. LINED THROUGH TRACT NO. 24S. AND 20. ADDED CONSTRUCTION EASEMENT TO TRACT NO. 46S.

REVISION 05/01/06: MODIFIED PROPERTY SHT. TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN. PURCHASED TRACTS 3,5, AND 6 BUT NOT USED DUE TO NEW PROJECT LIMITS.

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



— · — · — R.O.W. CENTERLINE

———— CONST. CENTERLINE

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

PROPOSED PROPERTY MAP

STA. 15+860 TO STA. 17+220

SCALE: 1:2000

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

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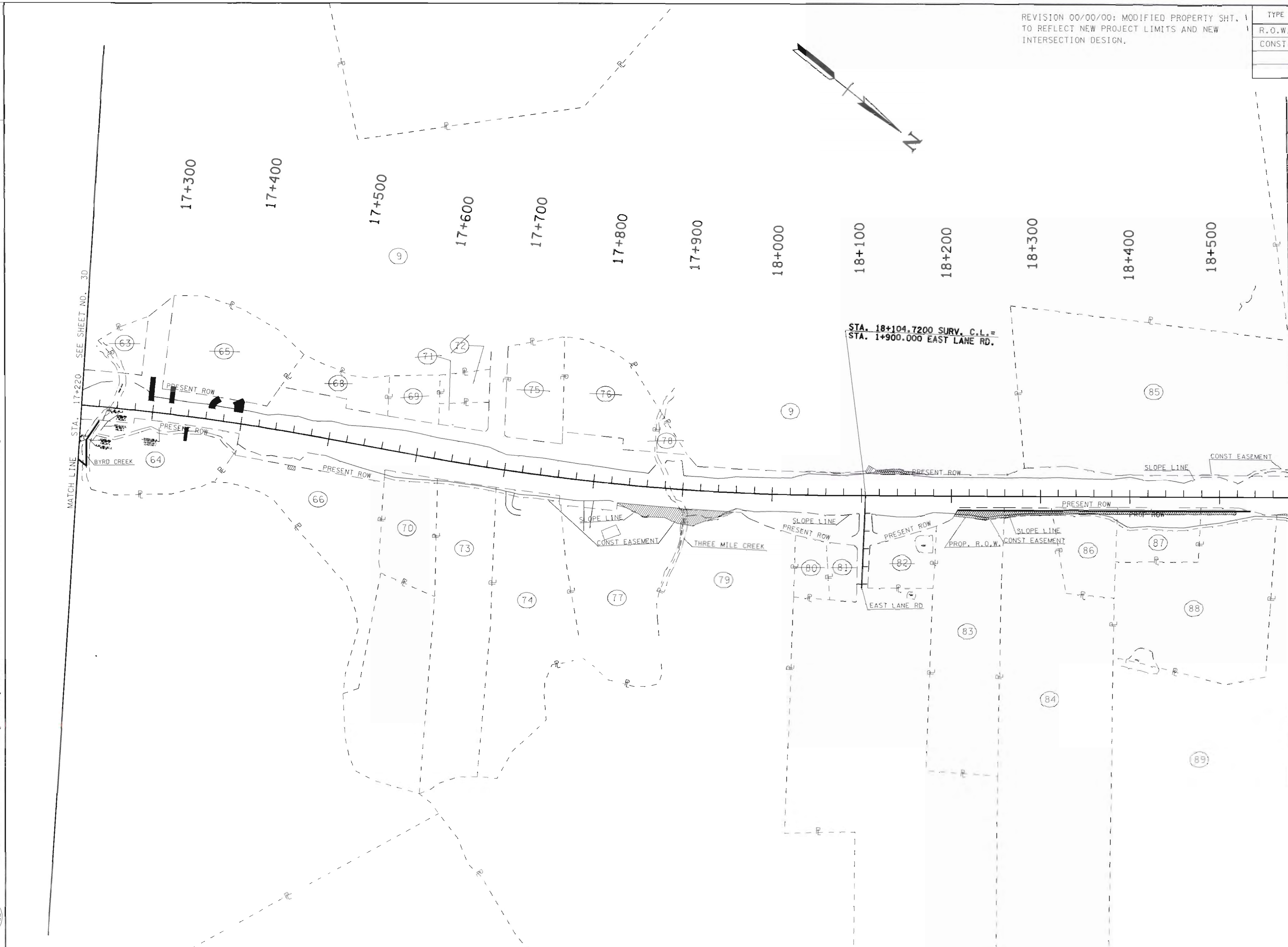
REVISION 00/00/00: MODIFIED PROPERTY SHT. TO REFLECT NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3E
CONST.	2010	18006-3210-04	3E



METRIC
TENNESSEE 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

PROPOSED PROPERTY MAP

STA. 17+220 TO STA. 18+580

SCALE: 1:2000

Survey & Design Division

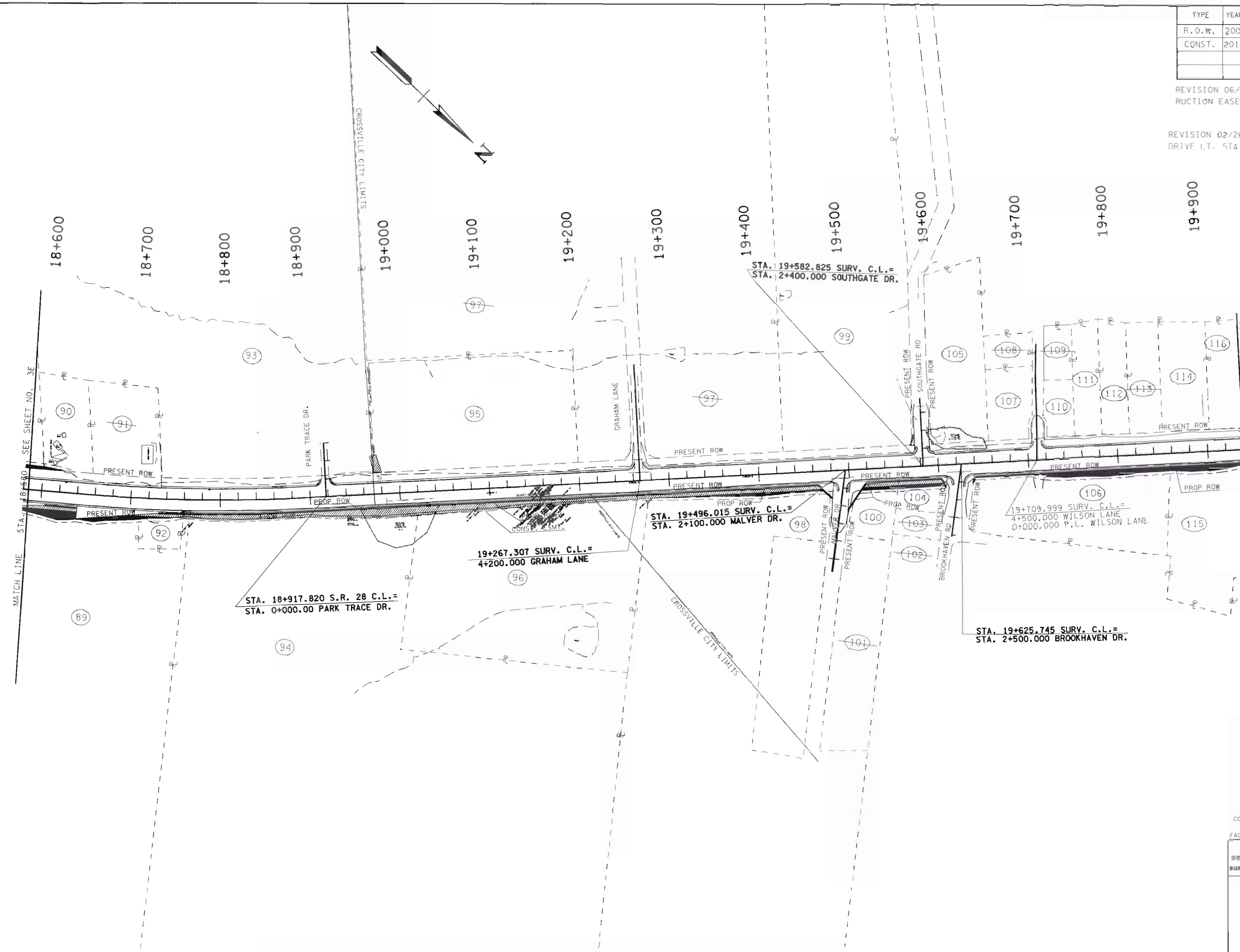
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3F
CONST.	2010	18006-3210-04	3F

REVISION 06/21/04: DELETED CONSTRUCTION EASEMENT ON TRACT NO. 105.

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



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

PROPOSED PROPERTY MAP

STA. 18+580 TO STA. 19+940

SCALE: 1:2000

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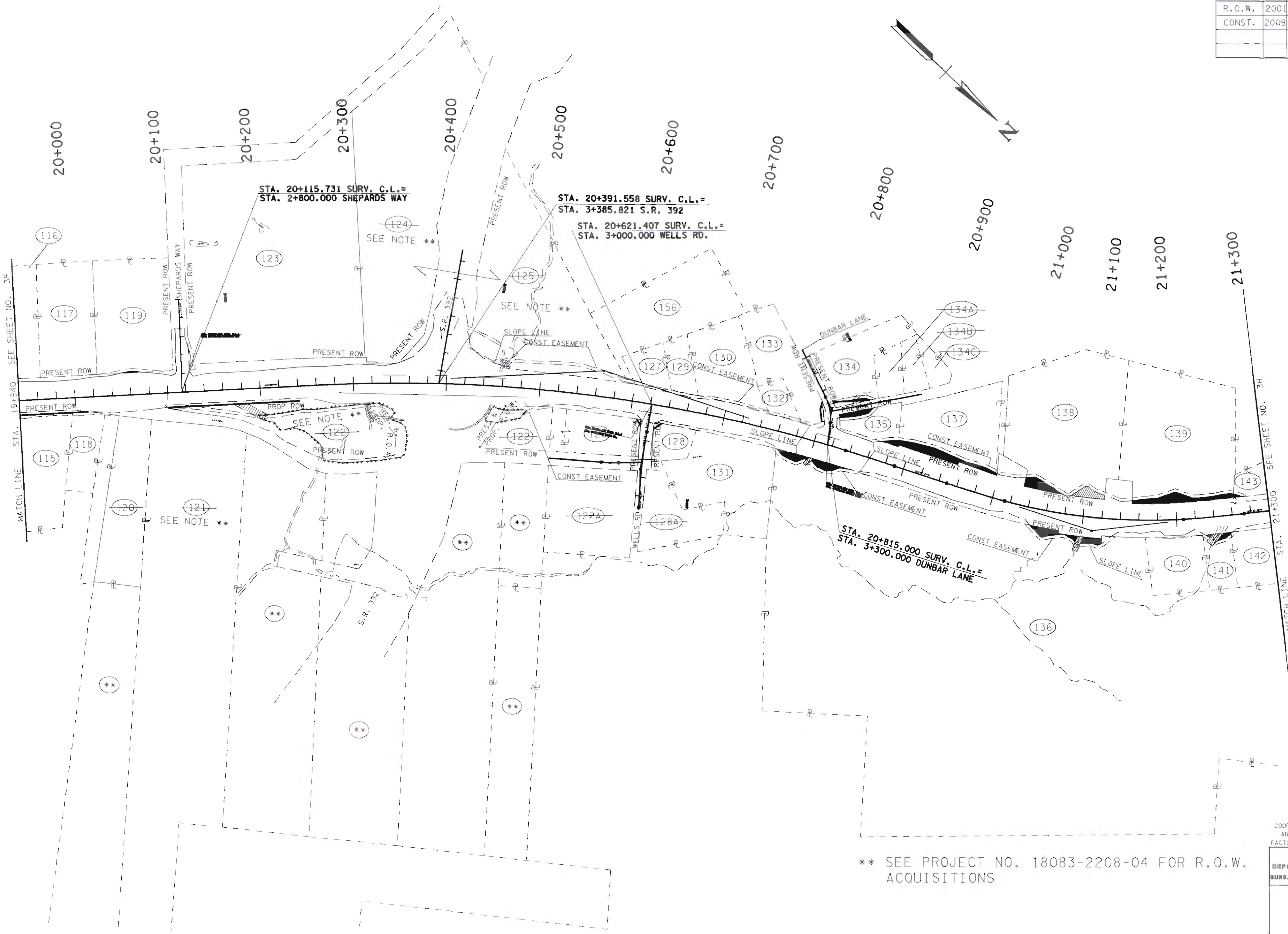
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3G
CONST.	2009	18006-3210-04	3G



** SEE PROJECT NO. 18083-2208-04 FOR R.O.W. ACQUISITIONS

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

PROPOSED PROPERTY MAP

STA. 19+940 TO STA. 21+300

SCALE: 1:2000

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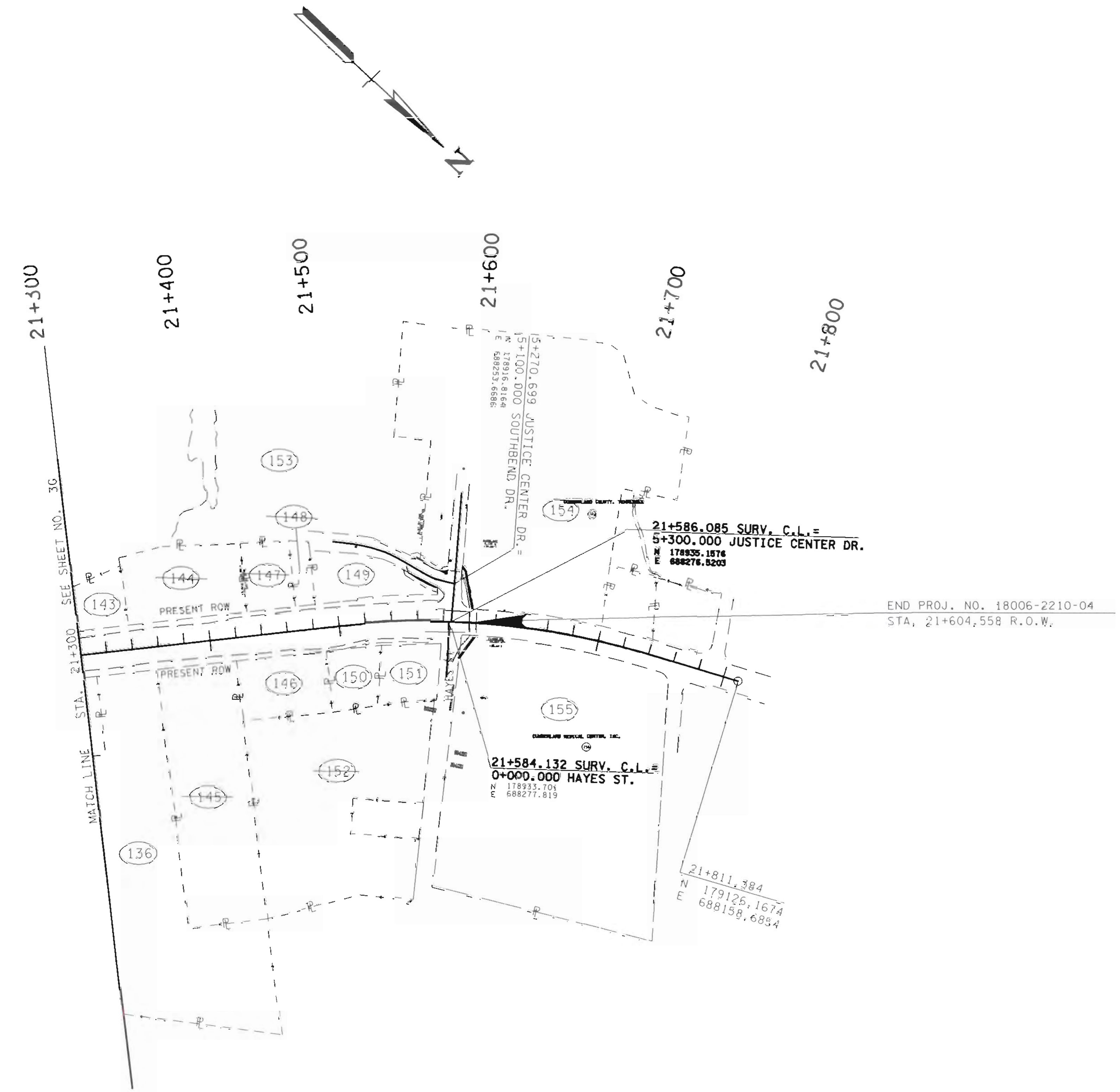
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	3H
CONST.	2009	18006-3210-04	3H



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METRIC

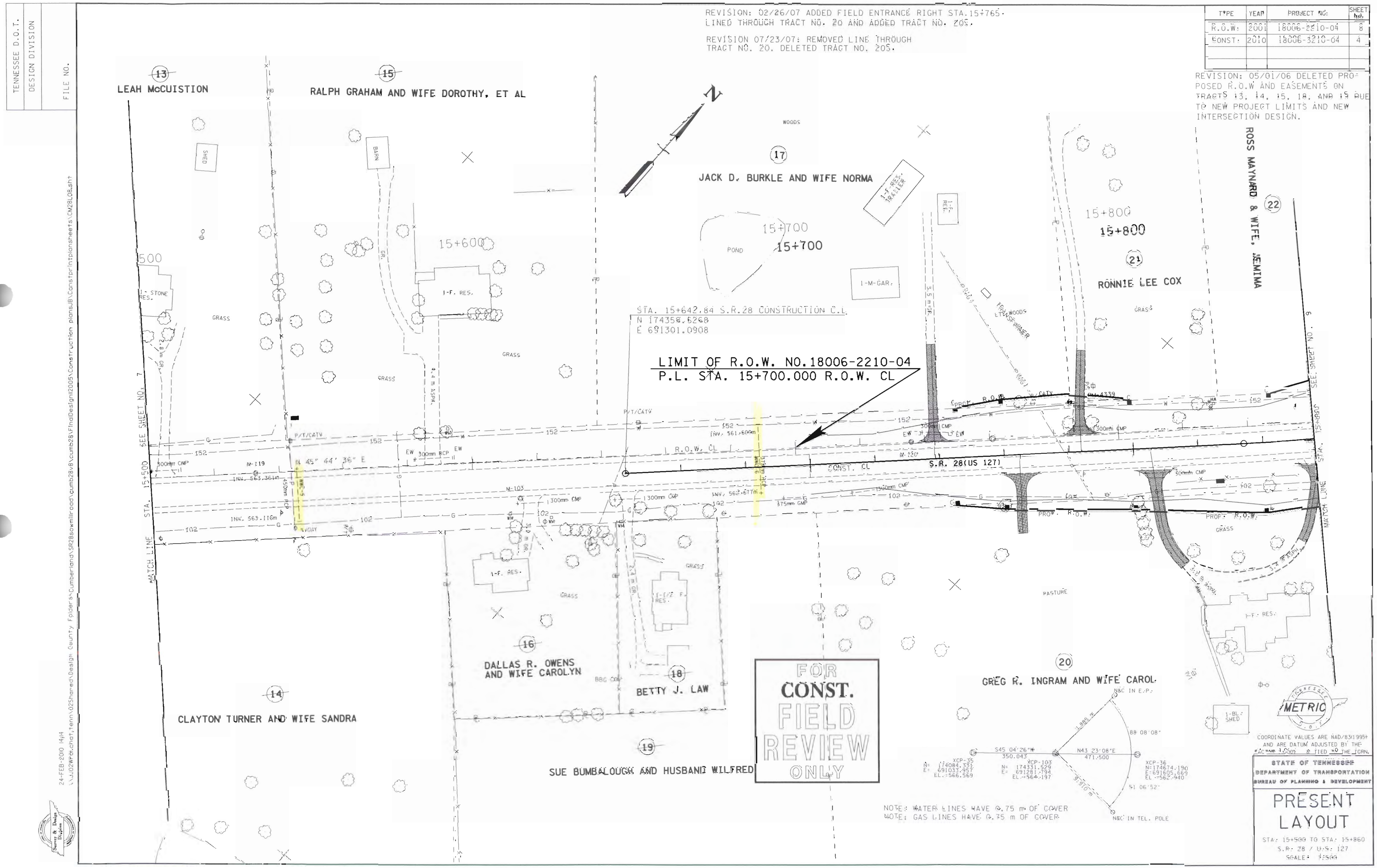
COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0001 & TIED TO THE TGRN.

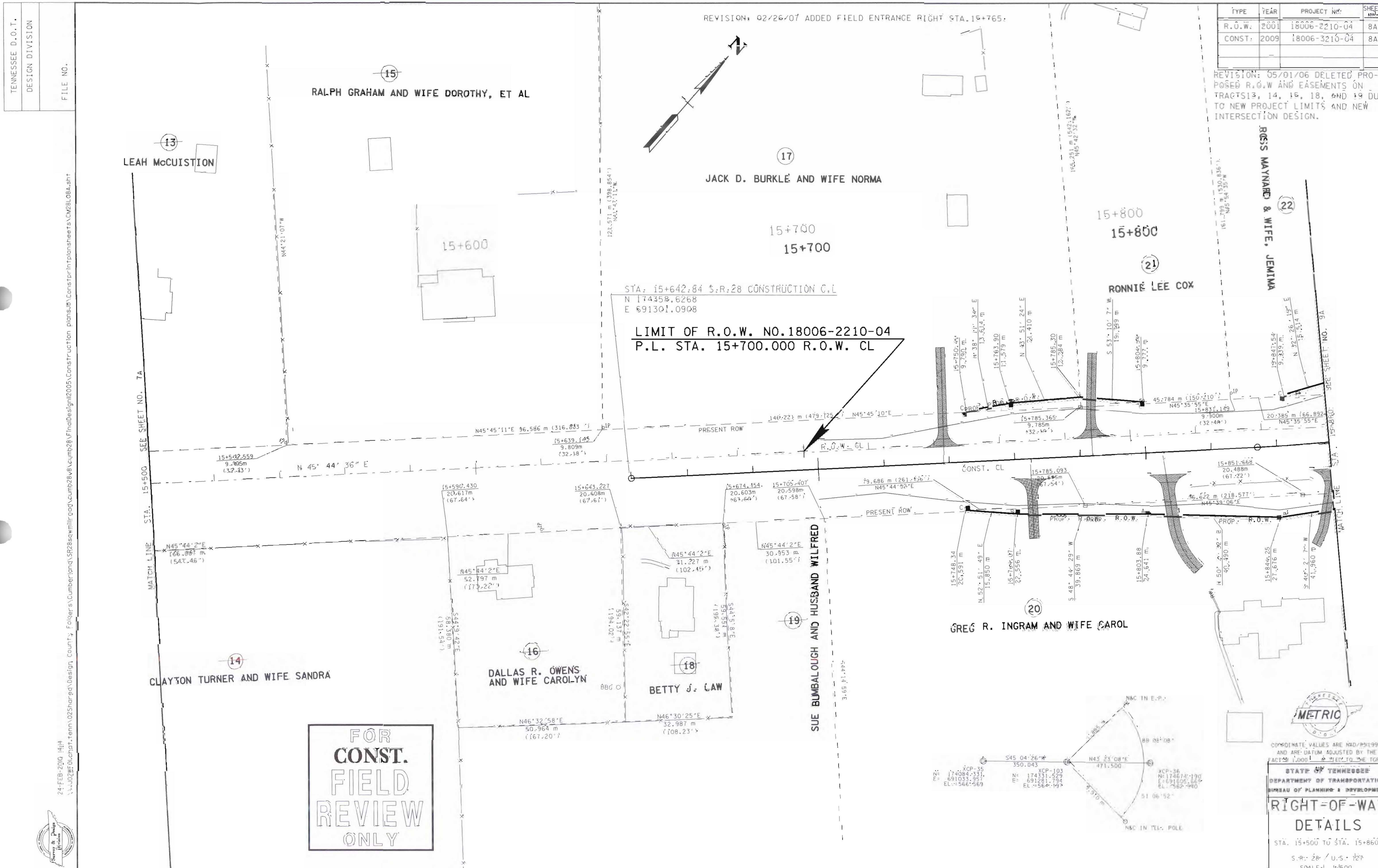
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED PROPERTY MAP

STA. 21+300 TO STA. 21+811

SCALE: 1:2000


TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	8
CONST.	2010	18006-3210-04	4
REVISION: 02/26/07 ADDED FIELD ENTRANCE RIGHT STA.15+765. LINED THROUGH TRACT NO. 20 AND ADDED TRACT NO. 20S.
REVISION 07/23/07: REMOVED LINE THROUGH TRACT NO. 20. DELETED TRACT NO. 20S.
REVISION: 05/01/06 DELETED PROPOSED R.O.W AND EASEMENTS ON TRACTS 13, 14, 15, 18, AND 19 DUE TO NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.
13 LEAH McCUISTION
15 RALPH GRAHAM AND WIFE DOROTHY, ET AL
17 JACK D. BURKLE AND WIFE NORMA
22 ROSS MAYNARD & WIFE, JEMIMA
21 RONNIE LEE COX
14 CLAYTON TURNER AND WIFE SANDRA
16 DALLAS R. OWENS AND WIFE CAROLYN
18 BETTY J. LAW
19 SUE BUMBALOUGH AND HUSBAND WILFRED
20 GREG R. INGRAM AND WIFE CAROL
STA. 15+642.84 S.R.28 CONSTRUCTION C.L.
N 174358.6268
E 691301.0908
LIMIT OF R.O.W. NO.18006-2210-04
P.L. STA. 15+700.000 R.O.W. CL
S.R. 28 (US 127)
CONST. CL
R.O.W. CL
15+500
15+600
15+700
15+800
SEE SHEET NO. 7
SEE SHEET NO. 9
MATCH LINE
N 45° 44' 36" E
FOR CONST. FIELD REVIEW ONLY
NOTE: WATER LINES HAVE 0.75 m OF COVER
NOTE: GAS LINES HAVE 0.75 m OF COVER
COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.0000 & TIED TO THE TENN.
METRIC
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT
PRESENT LAYOUT
STA. 15+500 TO STA. 15+860
S.R. 28 / U.S. 127
SCALE: 1:500
24-FEB-2010 14:14


TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.
REVISION: 02/26/07 ADDED FIELD ENTRANCE RIGHT STA.15+765.
TYPE | YEAR | PROJECT NO. | SHEET NO.
R.O.W. | 2001 | 18006-2210-04 | 8A
CONST. | 2009 | 18006-3210-04 | 8A
REVISION: 05/01/06 DELETED PROPOSED R.O.W AND EASEMENTS ON TRACTS13, 14, 16, 18, AND 19 DUE TO NEW PROJECT LIMITS AND NEW INTERSECTION DESIGN.
15 RALPH GRAHAM AND WIFE DOROTHY, ET AL
13 LEAH McCUISTION
17 JACK D. BURKLE AND WIFE NORMA
ROSS MAYNARD & WIFE, JEMIMA
22
21 RONNIE LEE COX
15+600
15+700
15+800
STA. 15+642.84 S.R.28 CONSTRUCTION C.L
N 174358.6268
E 691301.0908
LIMIT OF R.O.W. NO.18006-2210-04
P.L. STA. 15+700.000 R.O.W. CL
PRESENT ROW
R.O.W. CL
CONST. CL
PROP. R.O.W.
N 45° 44' 36" E
SEE SHEET NO. 7A
STA. 15+500
MATCH LINE
SEE SHEET NO. 9A
STA. 15+860
MATCH LINE
14 CLAYTON TURNER AND WIFE SANDRA
16 DALLAS R. OWENS AND WIFE CAROLYN
18 BETTY J. LAW
19 SUE BUMBALOUGH AND HUSBAND WILFRED
20 GREG R. INGRAM AND WIFE CAROL
FOR CONST. FIELD REVIEW ONLY
XCP-35
XCP-103
XCP-36
METRIC
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT
RIGHT-OF-WAY DETAILS
STA. 15+500 TO STA. 15+860
S.R. 28 / U.S. 127
SCALE: 1:500

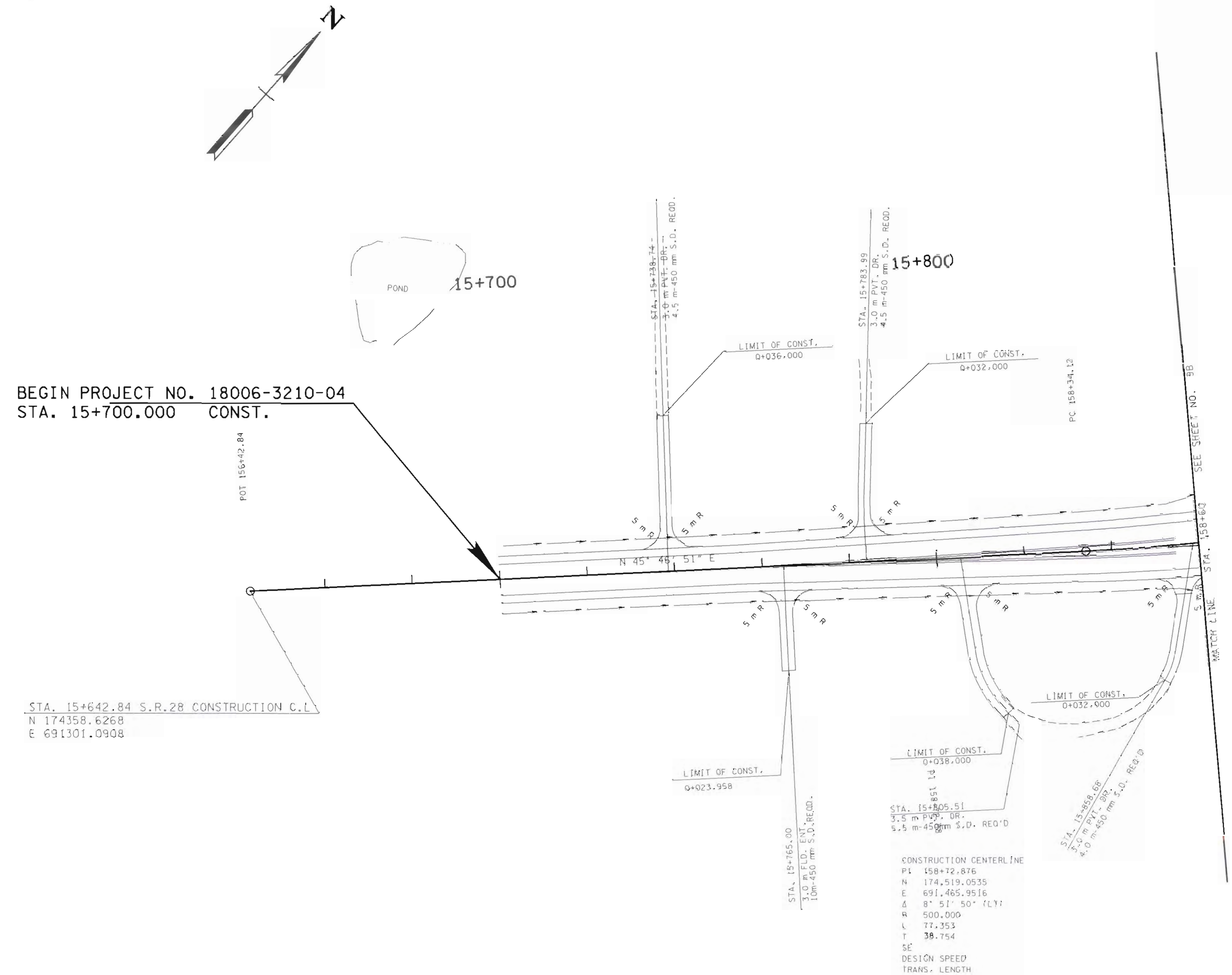
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	8B
CONST.	2005	18006-3210-04	8B

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

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

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: 02/26/07 ADDED FIELD ENTRANCE RIGHT STA. 15+765.



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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

PROPOSED LAYOUT

STA. 00+000 TO STA. 158+60
S.R. 28 / U.S. 127
SCALE: 1:500

TENNESSEE D.O.T.
DESIGN DIVISION

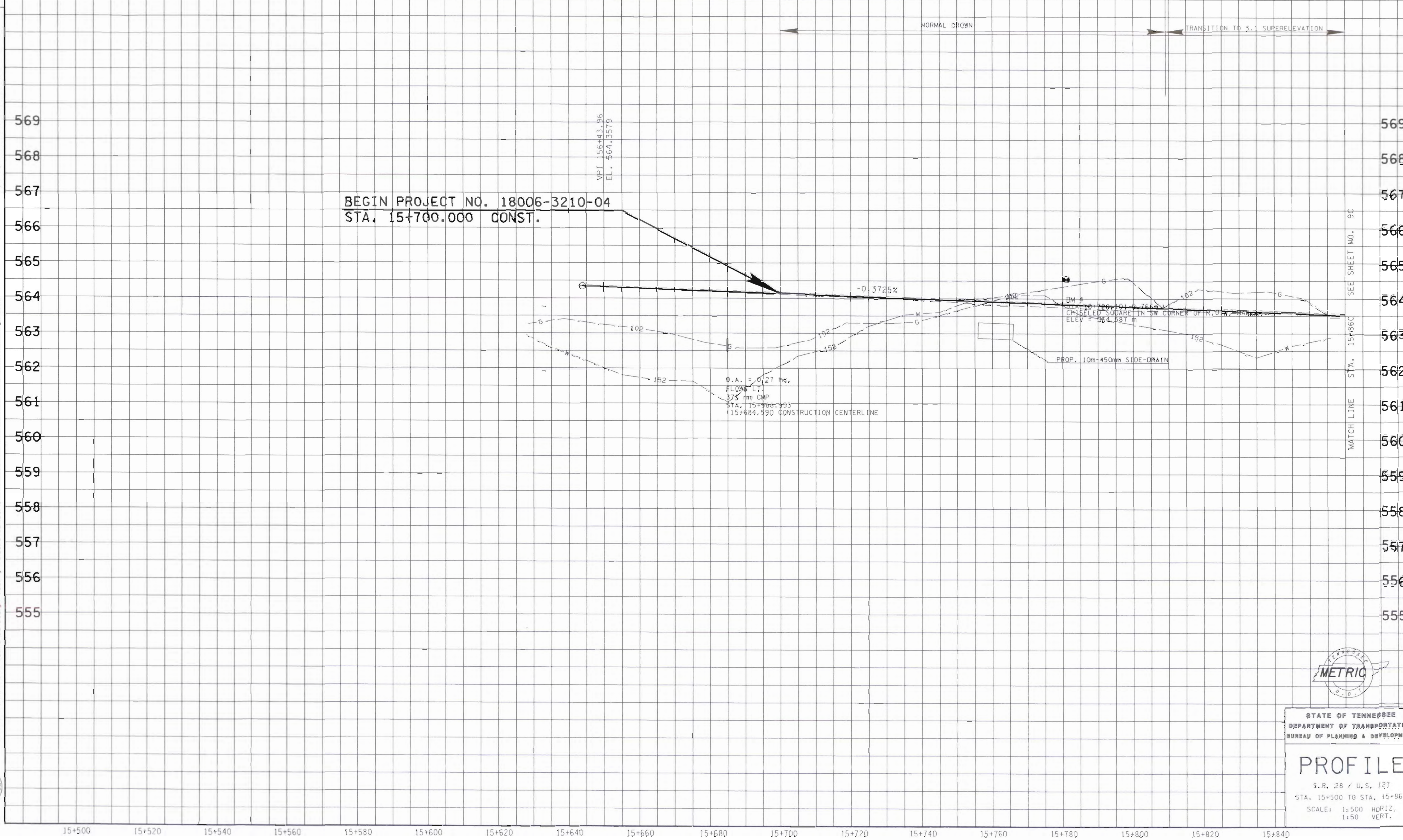
FILE NO.

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

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

REVISION: 02/26/07 ADDED SIDE DRAIN STA. 15+765.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	8C
CONST.	2009	18006-3210-04	8C



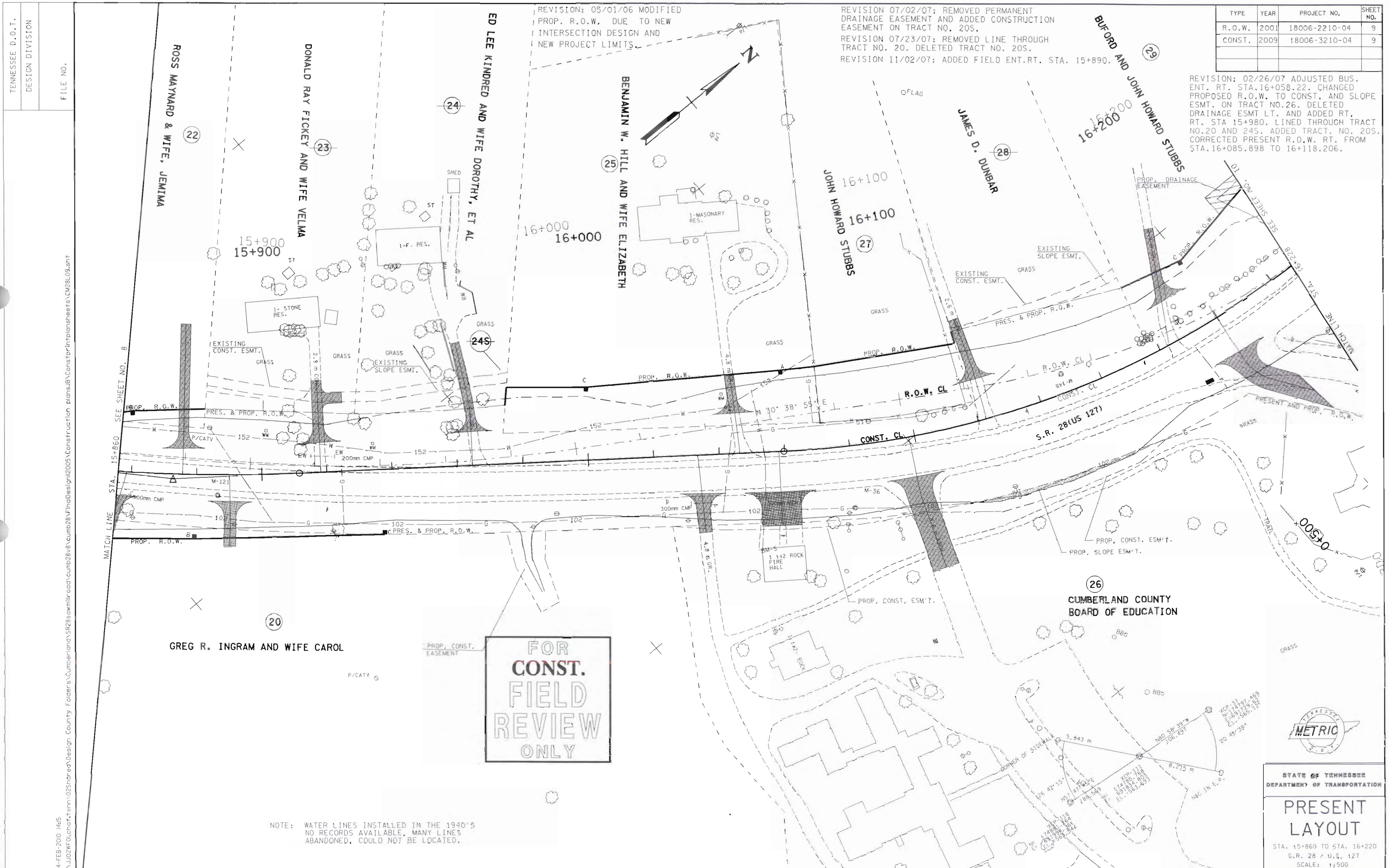
TENNESSEE D.O.T. METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

S.R. 28 / U.S. 127
STA. 15+500 TO STA. 15+866
SCALE: 1:500 HORIZ.
1:50 VERT.

24-FEB-2010 14:15


TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.
REVISION: 05/01/06 MODIFIED PROP. R.O.W. DUE TO NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.
REVISION 07/02/07: REMOVED PERMANENT DRAINAGE EASEMENT AND ADDED CONSTRUCTION EASEMENT ON TRACT NO. 20S.
REVISION 07/23/07: REMOVED LINE THROUGH TRACT NO. 20. DELETED TRACT NO. 20S.
REVISION 11/02/07: ADDED FIELD ENT.RT. STA. 15+890.
REVISION: 02/26/07 ADJUSTED BUS. ENT. RT. STA.16+058.22. CHANGED PROPOSED R.O.W. TO CONST. AND SLOPE ESMT. ON TRACT NO.26. DELETED DRAINAGE ESMT LT. AND ADDED RT. RT. STA 15+980. LINED THROUGH TRACT NO.20 AND 24S. ADDED TRACT. NO. 20S. CORRECTED PRESENT R.O.W. RT. FROM STA.16+085.898 TO 16+118.206.
TYPE | YEAR | PROJECT NO. | SHEET NO.
R.O.W. | 2001 | 18006-2210-04 | 9
CONST. | 2009 | 18006-3210-04 | 9
ROSS MAYNARD & WIFE, JEMIMA
22
DONALD RAY FICKEY AND WIFE VELMA
23
ED LEE KINDRED AND WIFE DOROTHY, ET AL
24
24S
BENJAMIN W. HILL AND WIFE ELIZABETH
25
JOHN HOWARD STUBBS
27
JAMES D. DUNBAR
28
BUFORD AND JOHN HOWARD STUBBS
29
GREG R. INGRAM AND WIFE CAROL
20
CUMBERLAND COUNTY BOARD OF EDUCATION
26
15+900
16+000
16+100
16+200
1- STONE RES.
1-F. RES.
1-MASONARY RES.
SHED
1 1/2 ROCK FIRE HALL
EXISTING CONST. ESMT.
EXISTING SLOPE ESMT.
PROP. DRAINAGE EASEMENT
PROP. R.O.W.
PRES. & PROP. R.O.W.
R.O.W. CL
CONST. CL
S.R. 28 (US 127)
N 30° 38' 55" E
PRESENT AND PROP. R.O.W.
PROP. CONST. ESM'T.
PROP. SLOPE ESM'T.
PROP. CONST. EASEMENT
200mm CMP
300mm CMP
GRASS
SEE SHEET NO. 8
STA. 15+860
MATCH LINE
SEE SHEET NO. 10
STA. 16+228
MATCH LINE
0+500
FOR CONST. FIELD REVIEW ONLY
NOTE: WATER LINES INSTALLED IN THE 1940'S NO RECORDS AVAILABLE. MANY LINES ABANDONED. COULD NOT BE LOCATED.
METRIC
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
PRESENT LAYOUT
STA. 15+860 TO STA. 16+220
S.R. 28 / U.S. 127
SCALE: 1:500
24-FEB-2010 14:15

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	9A
CONST.	2009	18006-3210-04	9A

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

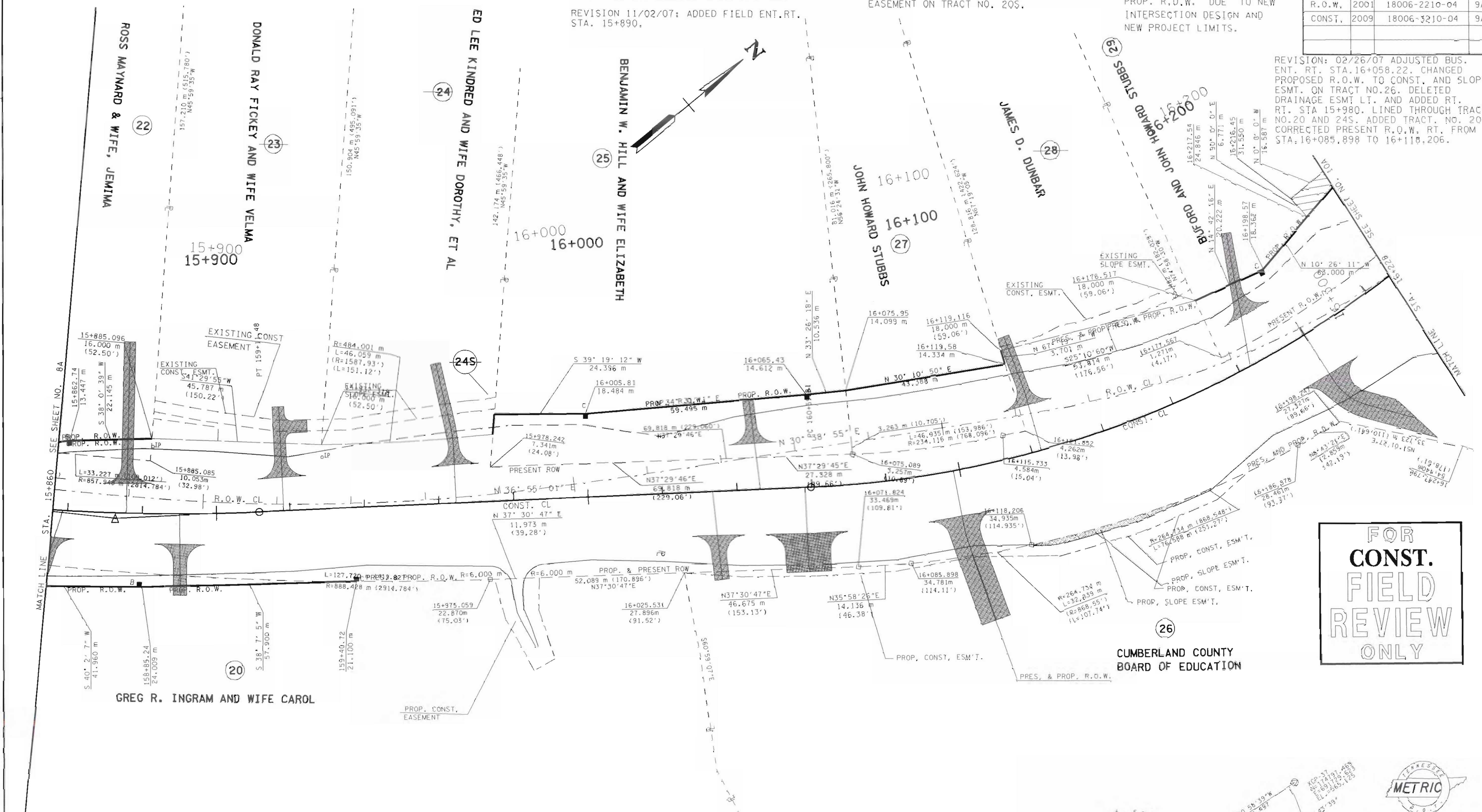
REVISION 07/23/07: REMOVED LINE THROUGH TRACT NO. 20. DELETED TRACT NO. 20S.

REVISION 11/02/07: ADDED FIELD ENT.RT. STA. 15+890.

REVISION 07/02/07: REMOVED PERMANENT DRAINAGE EASEMENT AND ADDED CONSTRUCTION EASEMENT ON TRACT NO. 20S.

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

REVISION: 02/26/07 ADJUSTED BUS. ENT. RT. STA.16+058.22. CHANGED PROPOSED R.O.W. TO CONST. AND SLOPE ESMT. ON TRACT NO.26. DELETED DRAINAGE ESMT LT. AND ADDED RT. RT. STA 15+980. LINED THROUGH TRACT NO.20 AND 24S. ADDED TRACT. NO. 20S. CORRECTED PRESENT R.O.W. RT. FROM STA.16+085.898 TO 16+118.206.



FOR CONST. FIELD REVIEW ONLY

R.O.W. CENTERLINE	
PI	15+938.191
N	174,565.9594
E	691,505.6578
Δs	15° 05' 41" (LT)
θs	3° 43' 27"
Δc	7° 38' 46" (LT)
Rc	500.000
Lc	66.725
Ts	98.788
Ls	65.000
SE	
DESIGN SPEED	
TRANS. LENGTH	

R.O.W. CENTERLINE	
PI	16+288.912
N	174,868.4200
E	691,684.8800
Δs	71° 24' 38" (LT)
θs	8° 27' 51"
Δc	54° 28' 57" (LT)
Rc	220.000
Lc	209.197
Ts	191.168
Ls	65.000
SE	
DESIGN SPEED	
TRANS. LENGTH	

CONSTRUCTION CENTERLINE	
PI	15+872.876
N	174,519.0535
E	691,465.9516
Δ	8° 51' 50" (LT)
R	500.000
L	77.353
T	38.754
SE	
DESIGN SPEED	
TRANS. LENGTH	

CONSTRUCTION CENTERLINE	
PI	16+285.406
N	174,848.9973
E	691,713.8335
Δ	78° 43' 41" (LT)
R	275.000
L	377.867
T	225.598
SE	
DESIGN SPEED	
TRANS. LENGTH	

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

RIGHT-OF-WAY DETAILS

STA. 15+860 TO STA. 16+220

S.R. 28 / U.S. 127

SCALE: 1:500

24-FEB-2010 14:16

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

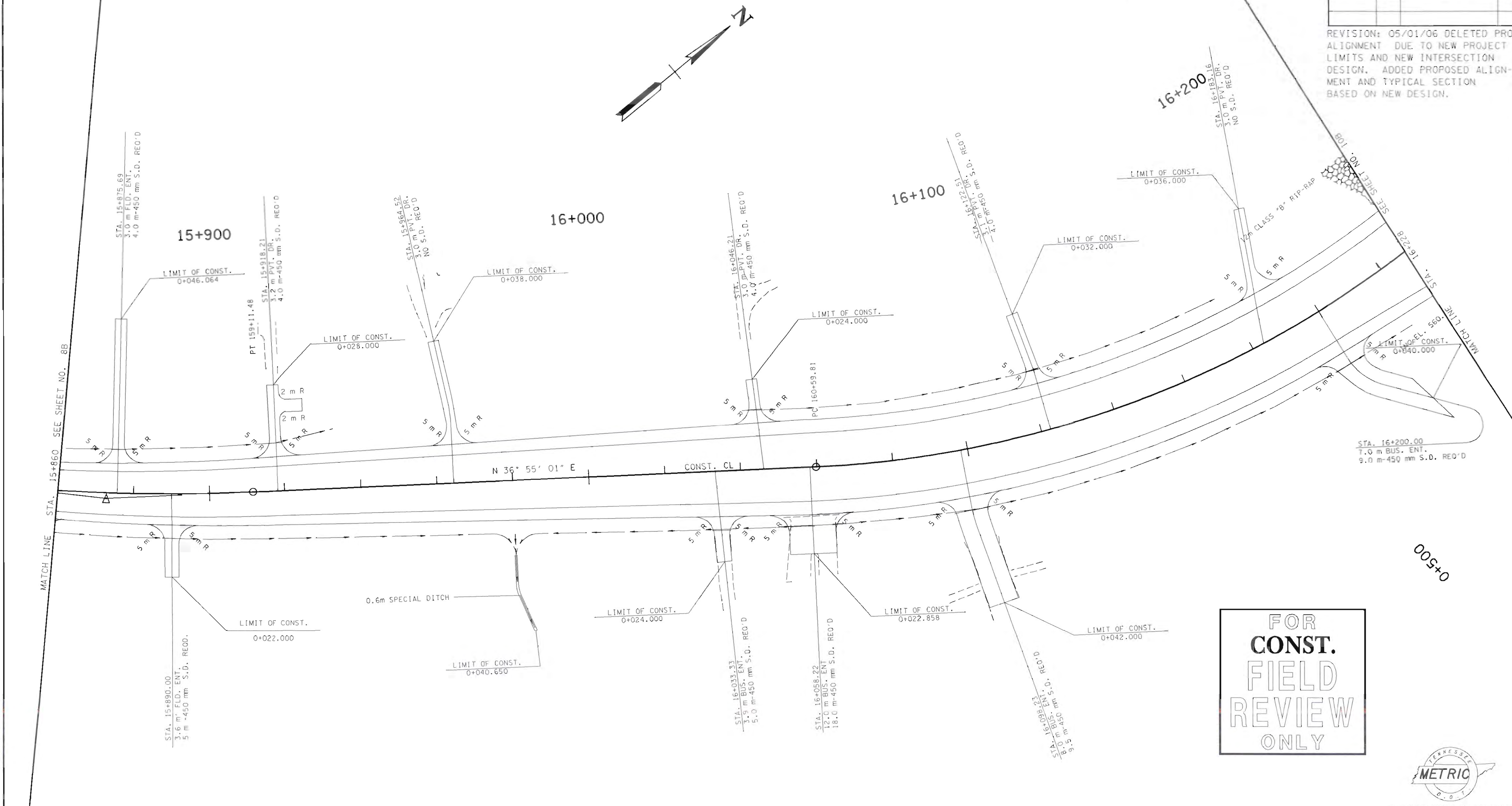
NOTE: CENTERLINE AND STATIONING SHOWN ON THIS SHEET IS BASED ON THE CONSTRUCTION CENTERLINE.

REVISION: 02/26/07 ADJUSTED BUSINESS ENTRANCE RT. STA.16+058.22. ADDED SPECIAL DITCH RT. AND DELETED CROSSDRAIN AT STA 15+980.

REVISION 11/02/07: ADDED FIELD ENT.RT. STA. 15+890.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	9B
CONST.	2009	18006-3210-04	9B

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.



FOR CONST. FIELD REVIEW ONLY

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CONSTRUCTION CENTERLINE	
PI	15+872.876
N	174,519.0535
E	691,465.9516
Δ	8° 51′ 50″ (LT)
R	500.000
L	77.353
T	38.754
SE	
DESIGN SPEED	
TRANS. LENGTH	

CONSTRUCTION CENTERLINE	
PI	16+285.406
N	174,848.9973
E	691,713.8335
Δ	78° 43′ 41″ (LT)
R	275.000
L	377.867
T	225.598
SE	
DESIGN SPEED	
TRANS. LENGTH	

Survey & Design Division

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

PROPOSED LAYOUT

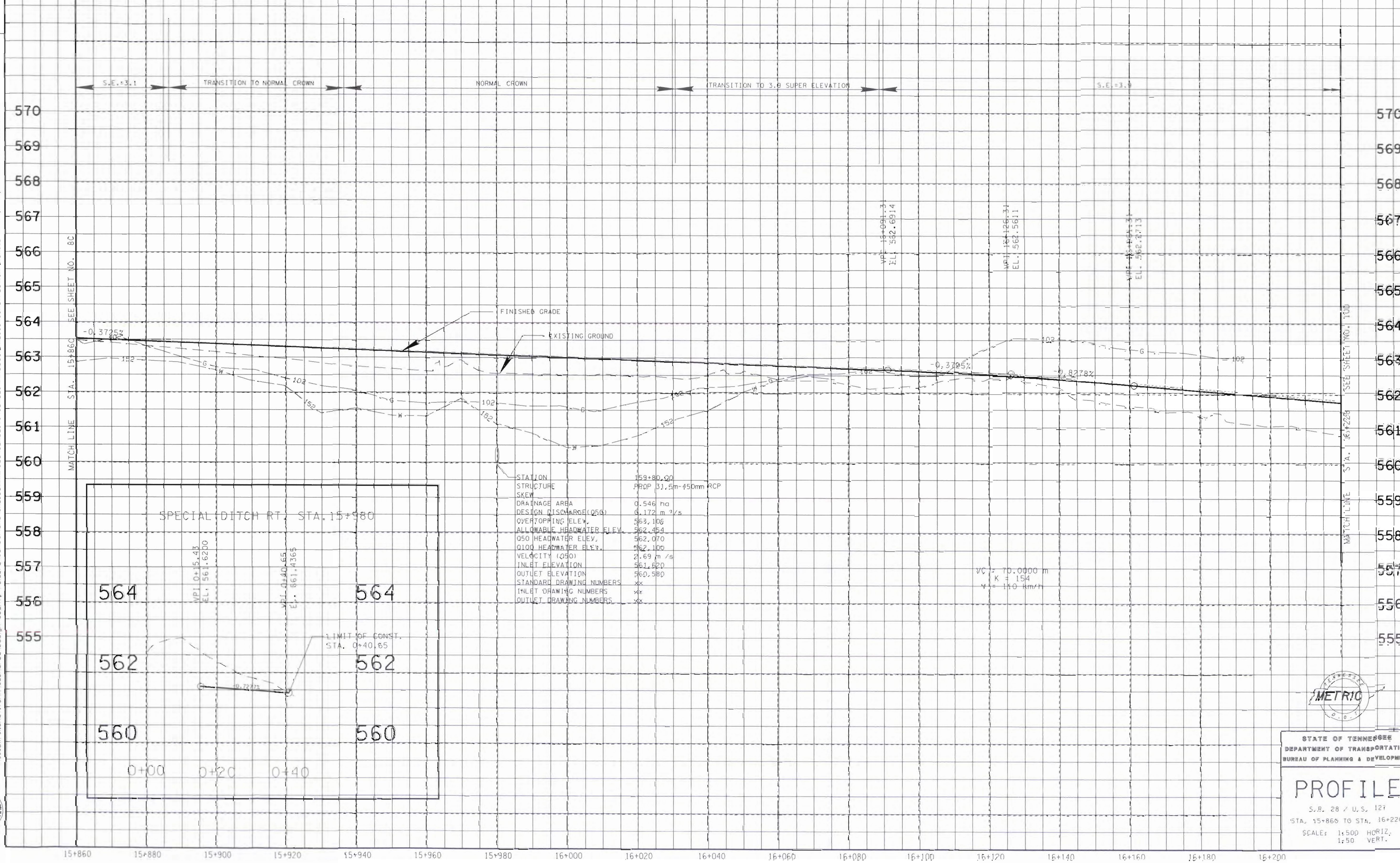
STA. 15+860 TO STA. 16+220
S.R. 28 / U.S. 127
SCALE: 1:500

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

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

REVISION: 05/01/06 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.	2001	18006-2210-04	9C
CONST.	2009	18006-3210-04	9C



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

S.R. 28 / U.S. 127
STA. 15+860 TO STA. 16+220
SCALE: 1:500 HORIZ.
1:50 VERT.

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

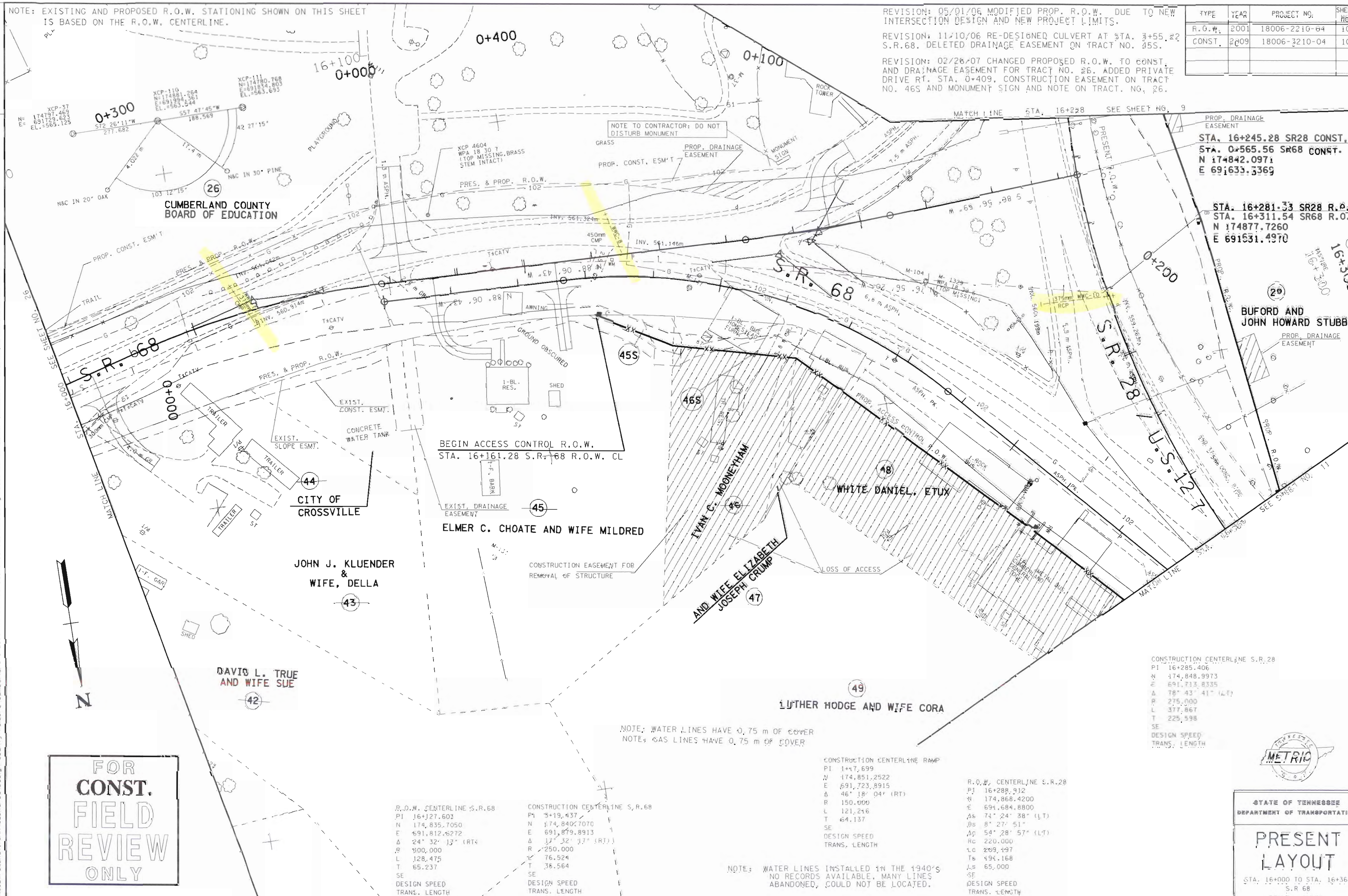
NOTE: EXISTING AND PROPOSED R.O.W. STATIONING SHOWN ON THIS SHEET IS BASED ON THE R.O.W. CENTERLINE.

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

REVISION: 11/10/06 RE-DESIGNED CULVERT AT STA. 3+55.22 S.R.68. DELETED DRAINAGE EASEMENT ON TRACT NO. 45S.

REVISION: 02/26/07 CHANGED PROPOSED R.O.W. TO CONST. AND DRAINAGE EASEMENT FOR TRACT NO. 26. ADDED PRIVATE DRIVE RT. STA. 0+409, CONSTRUCTION EASEMENT ON TRACT NO. 46S AND MONUMENT SIGN AND NOTE ON TRACT. NO. 26.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	10
CONST.	2009	18006-3210-04	10



NOTE: WATER LINES HAVE 0.75 m OF COVER
NOTE: GAS LINES HAVE 0.75 m OF COVER

NOTE: WATER LINES INSTALLED IN THE 1940'S NO RECORDS AVAILABLE. MANY LINES ABANDONED, COULD NOT BE LOCATED.

R.O.W. CENTERLINE S.R.68
PI 16+127.603
N 174,835.7050
E 691,812.6272
Δ 24° 32' 13" (RT)
R 300.000
L 128.475
T 65.237
SE
DESIGN SPEED
TRANS. LENGTH

CONSTRUCTION CENTERLINE S.R.68
PI 3+19.437
N 174,840.7070
E 691,879.8913
Δ 17° 32' 17" (RT)
R 250.000
L 76.524
T 38.564
SE
DESIGN SPEED
TRANS. LENGTH

CONSTRUCTION CENTERLINE RAMP
PI 1+17.699
N 174,851.2522
E 691,723.8915
Δ 46° 18' 04" (RT)
R 150.000
L 121.216
T 64.137
SE
DESIGN SPEED
TRANS. LENGTH

R.O.W. CENTERLINE S.R.28
PI 16+288.912
N 174,868.4200
E 691,684.8800
Δs 71° 24' 38" (LT)
θs 8° 27' 51"
Δc 54° 28' 57" (LT)
Rc 220.000
Lc 209.197
Ts 191.168
Ls 65.000
SE
DESIGN SPEED
TRANS. LENGTH

CONSTRUCTION CENTERLINE S.R.28
PI 16+285.406
N 174,848.9973
E 691,713.8335
Δ 78° 43' 41" (LT)
R 275.000
L 377.867
T 225.598
SE
DESIGN SPEED
TRANS. LENGTH

FOR CONST. FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 16+000 TO STA. 16+360
S.R 68
SCALE: 1:500

24-FEB-2010 14:17

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

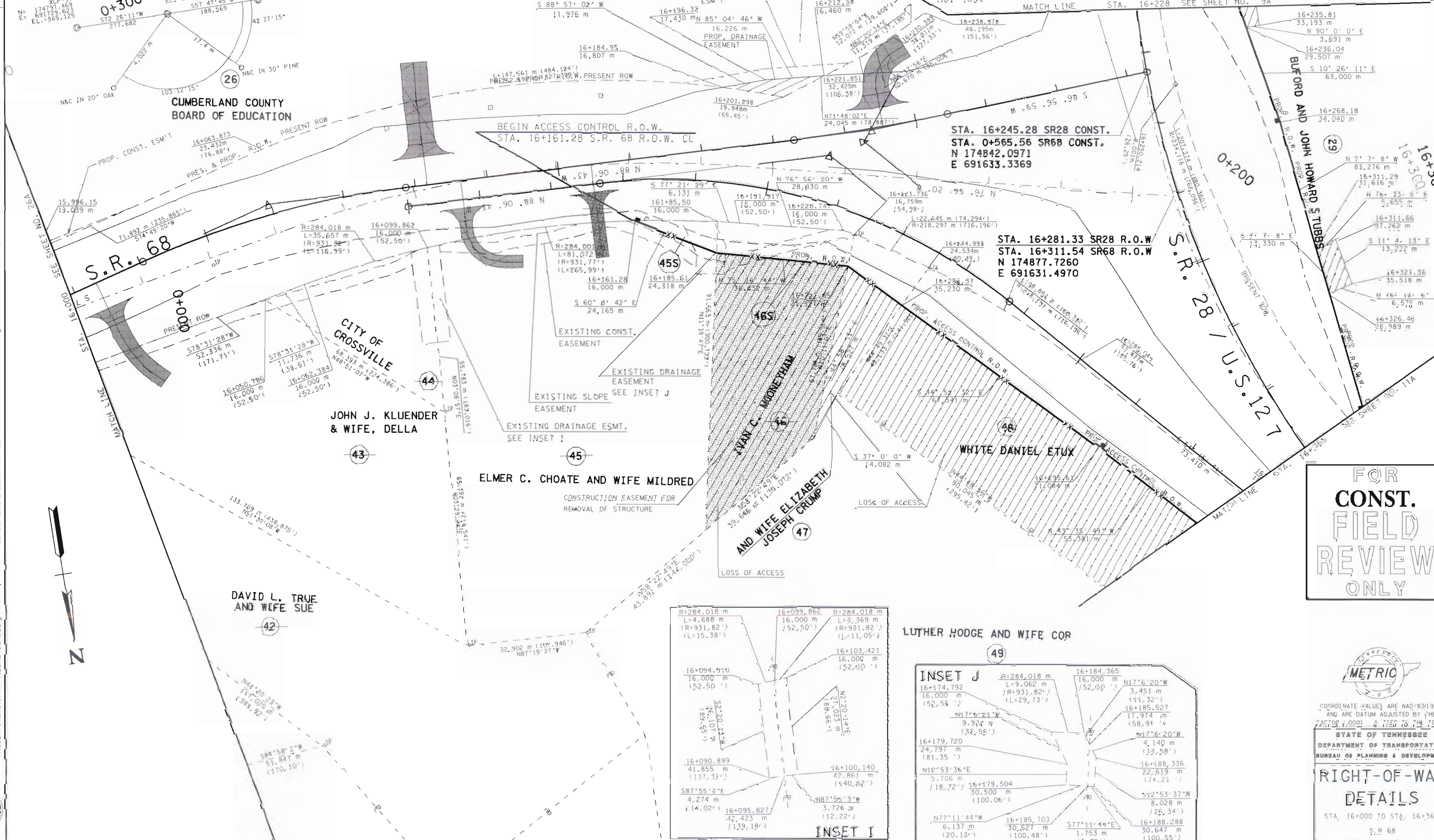
REVISION: 05/01/06 MODIFIED PROP. R.O.W. DUE TO NEW INTERSECTION DESIGN AND NEW PROJECT LIMITS.

REVISION: 11/10/06 RE-DESIGNED CULVERT AT STA. 3+55.22 S.R.68. DELETED DRAINAGE EASEMENT ON TRACT NO. 45S.

REVISION: 02/26/07 CHANGED PROPOSED R.O.W. TO CONST. AND DRAINAGE EASEMENT FOR TRACT NO. 26. ADDED PRIVATE DRIVE RT. STA. 0+409 AND CONSTRUCTION EASEMENT ON TRACT NO. 46S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-3210-04	18A
CONST.	2009	18006-3210-04	18A

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



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

RIGHT-OF-WAY DETAILS

STA. 16+000 TO STA. 16+360
S.R 68
SCALE: 1:500

24-FEB-2010 09:17

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

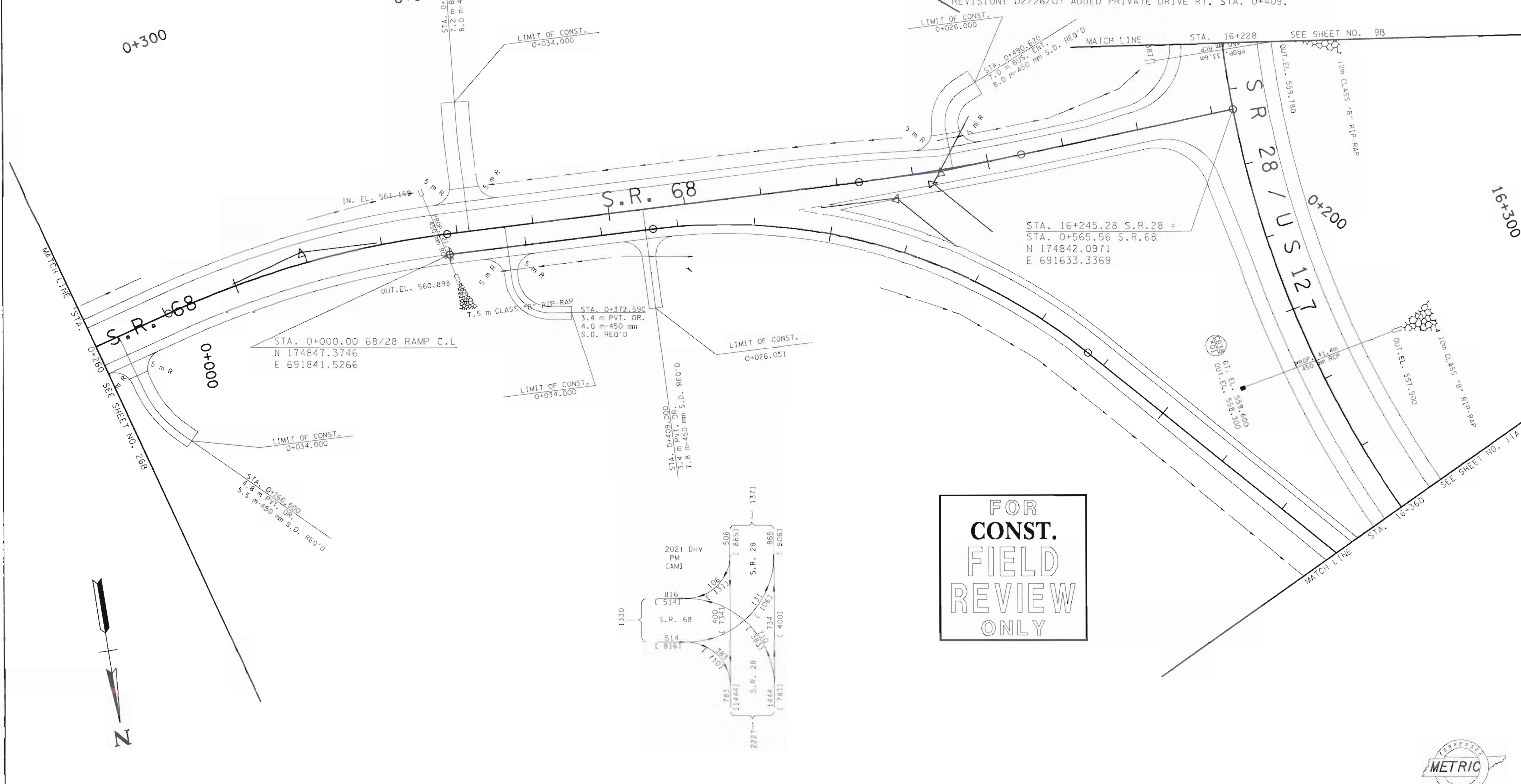
NOTE: CENTERLINE AND STATIONING SHOWN ON THIS SHEET IS BASED ON THE CONSTRUCTION CENTERLINE.

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 RE-DESIGNED CULVERT AT STA. 3+55.22 S.R.68. DELETED DRAINAGE EASEMENT ON TRACT NO. 45S.

REVISION: 02/26/07 ADDED PRIVATE DRIVE RT. STA. 0+409.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	10B
CONST.	2008	18006-3210-04	10B



CONSTRUCTION CENTERLINE S.R.68	CONSTRUCTION CENTERLINE S.R.68	CONSTRUCTION CENTERLINE S.R.28	CONSTRUCTION CENTERLINE RAMP	CONSTRUCTION CENTERLINE S.R.28
PI 3+19.437	PI 4+87.366	PI 16+285.406	PI 0+117.699	PI 16+285.406
N 174,840.7070	N 174,846.2594	N 174,848.9973	N 174,851.2522	N 174,848.9973
E 691,879.8913	E 691,711.4510	E 691,713.8335	E 691,723.8915	E 691,713.8335
Δ 17° 32′ 17″ (RT)	Δ 4° 56′ 17″ (LT)	Δ 78° 43′ 41″ (LT)	Δ 46° 18′ 04″ (RT)	Δ 78° 43′ 41″ (LT)
R 250.000	R 500.000	R 275.000	R 150.000	R 275.000
L 76.524	L 43.093	L 377.867	L 121.216	L 377.867
T 38.564	T 21.560	T 225.598	T 64.137	T 225.598
SE	SE	SE	SE	SE
DESIGN SPEED	DESIGN SPEED	DESIGN SPEED	DESIGN SPEED	DESIGN SPEED
TRANS. LENGTH	TRANS. LENGTH	TRANS. LENGTH	TRANS. LENGTH	TRANS. LENGTH

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METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED
LAYOUT

STA. 16+000 TO STA. 16+360
S.R 68
SCALE: 1:500

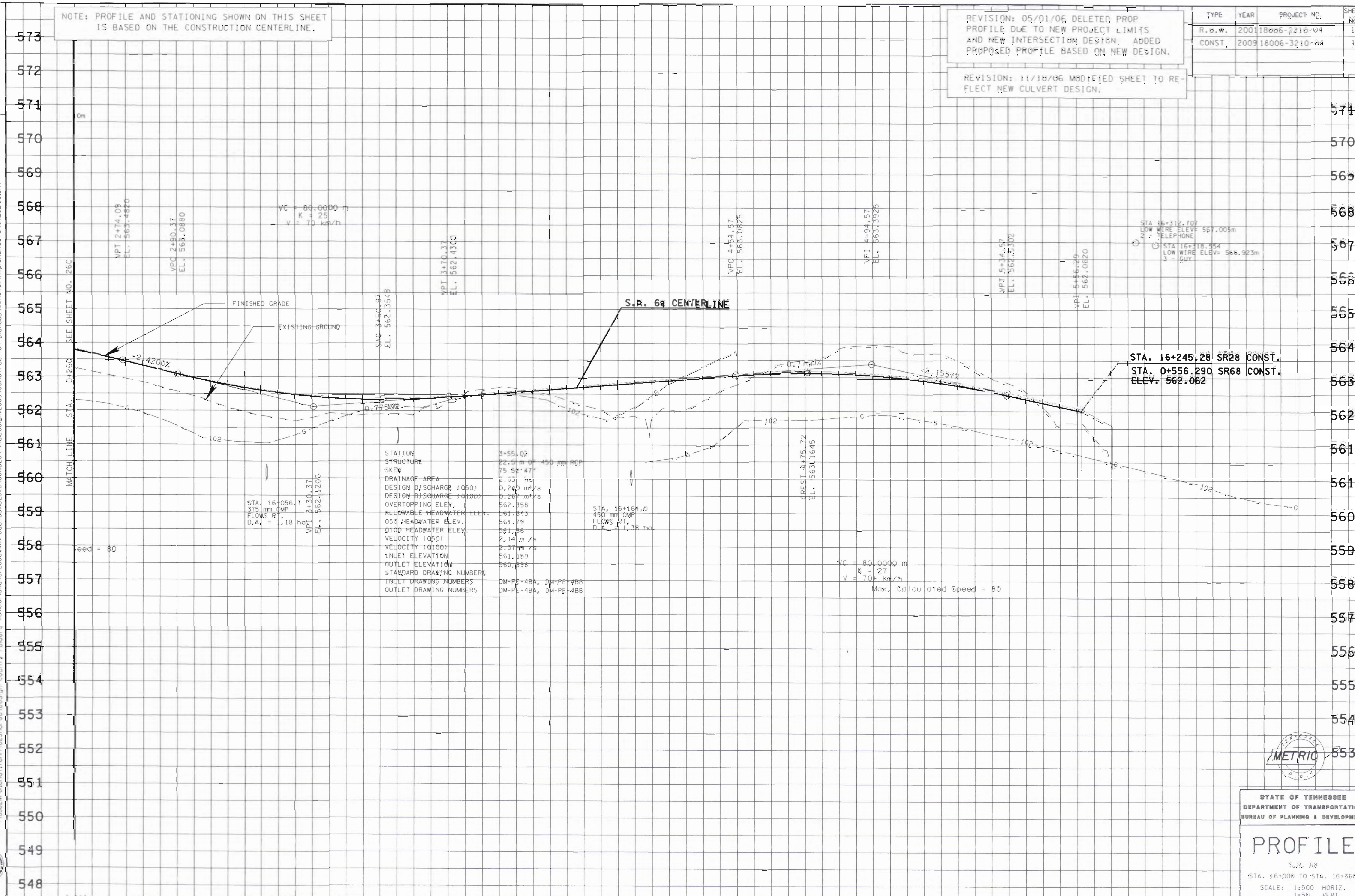
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

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

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

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.o.w.	2001	18006-2210-04	106
CONST.	2009	18006-3210-04	106



STATION	3+55.02
STRUCTURE	22.5 m OF 450 mm RCP
SKEW	75 52' 47"
DRAINAGE AREA	2.03 ha
DESIGN DISCHARGE (Q50)	0.240 m^3/s
DESIGN DISCHARGE (Q100)	0.267 m^3/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, DM-PE-4BB
OUTLET DRAWING NUMBERS	DM-PE-4BA, DM-PE-4BB

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

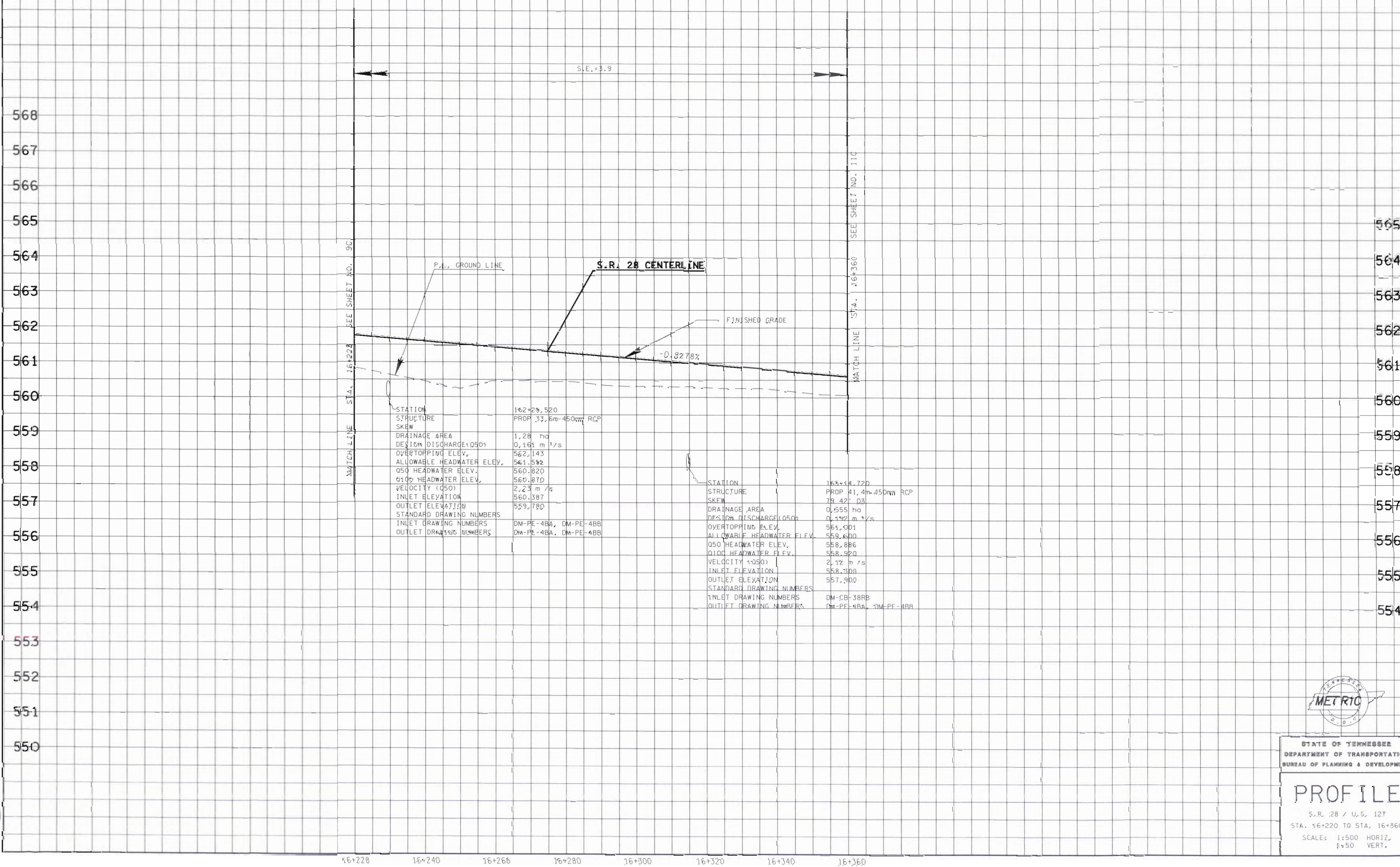
S.R. 68
STA. 56+000 TO STA. 16+360
SCALE: 1:500 HORIZ.
1:50 VERT.

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

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

REVISION: 05/01/06 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.	2001	18006-2210-04	10D
CONST.	2009	18006-3210-04	10D



STATION	162+29.520
STRUCTURE	PROP 33.6m-450mm RCP
SKEW	
DRAINAGE AREA	1.28 ha
DESIGN DISCHARGE(Q50)	0.161 m^3/s
OVERTOPPING ELEV.	562.143
ALLOWABLE HEADWATER ELEV.	561.592
Q50 HEADWATER ELEV.	560.820
Q100 HEADWATER ELEV.	560.870
VELOCITY (Q50)	2.23 m/s
INLET ELEVATION	560.387
OUTLET ELEVATION	559.780
STANDARD DRAWING NUMBERS	
INLET DRAWING NUMBERS	DM-PE-4BA, DM-PE-4BB
OUTLET DRAWING NUMBERS	DM-PE-4BA, DM-PE-4BB

STATION	163+14.720
STRUCTURE	PROP 41.4m-450mm RCP
SKEW	79 42' 03
DRAINAGE AREA	0.555 ha
DESIGN DISCHARGE(Q50)	0.192 m^3/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
INLET ELEVATION	558.300
OUTLET ELEVATION	557.900
STANDARD DRAWING NUMBERS	
INLET DRAWING NUMBERS	DM-CB-38RB
OUTLET DRAWING NUMBERS	DM-PE-4BA, DM-PE-4BB

METRIC
TENNESSEE D.O.T.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

S.R. 28 / U.S. 127
STA. 16+220 TO STA. 16+360
SCALE: 1:500 HORIZ.
1:50 VERT.

24-FEB-2010 14:18

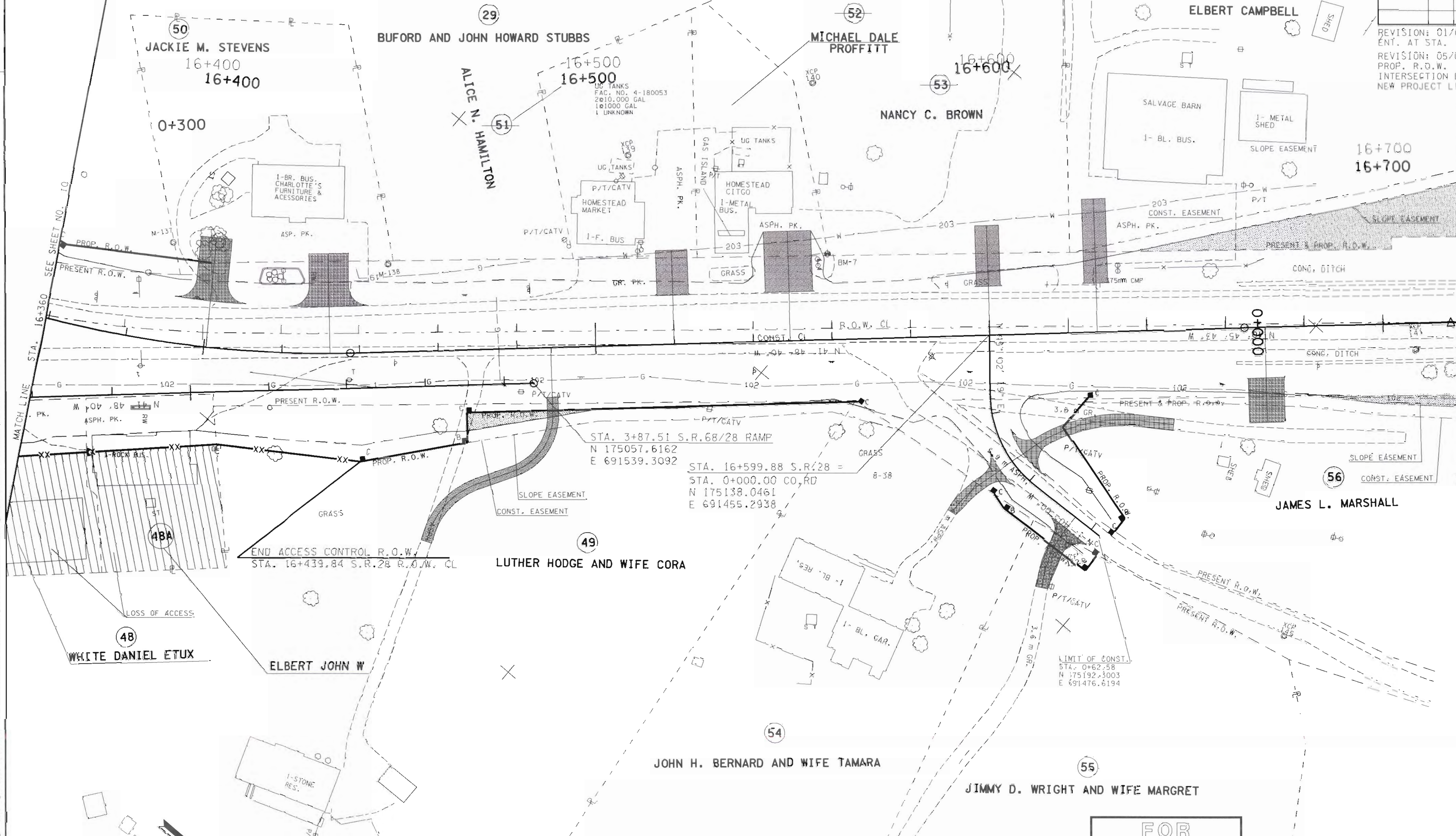
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	11
CONST.	2009	18006-3210-04	11

REVISION: 01/06/03 ADDED 8m BUS. ENT. AT STA. 16+410.50 LT.

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

REVISION: 02/26/07 CHANGED OWNERSHIP NAME FOR TRACT NO. 54. WIDEN PRIVATE DRIVE RT STA. 0+54.89 ON COUNTY RD. RELOCATED BUSINESS ENTRANCE LT. STA. 16+408.74 TO 16+400.64. ADDED BUSINESS ENTRANCE RT. STA. 16+670.



NOTE: WATER LINES INSTALLED IN THE 1940'S NO RECORDS AVAILABLE. MANY LINES ABANDONED, COULD NOT BE LOCATED.

CO. ROAD LFT STA 16+600		CONSTRUCTION CENTERLINE		CONSTRUCTION CENTERLINE	
PI	0+29.583	PI	16+285.406	PI	16+717.217
N	175.157.4395	N	174,848.9973	N	175.225.5024
E	691.477.6338	E	691,713.8335	E	691,377.0686
Δ	50° 42′ 20″ (LT)	Δ	78° 43′ 41″ (LT)	Δ	1° 02′ 57″ (RT)
R	30.000	R	275.000	R	5,730.000
L	26.549	L	377.867	L	104.917
T	14.215	T	225.598	T	52.460
SE		SE		SE	
DESIGN SPEED		DESIGN SPEED		DESIGN SPEED	
TRANS. LENGTH		TRANS. LENGTH		TRANS. LENGTH	

FOR CONST. FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 16+360 TO STA. 16+720
S.R. 28 / U.S. 127
SCALE: 1:500

24-FEB-2010 14:08

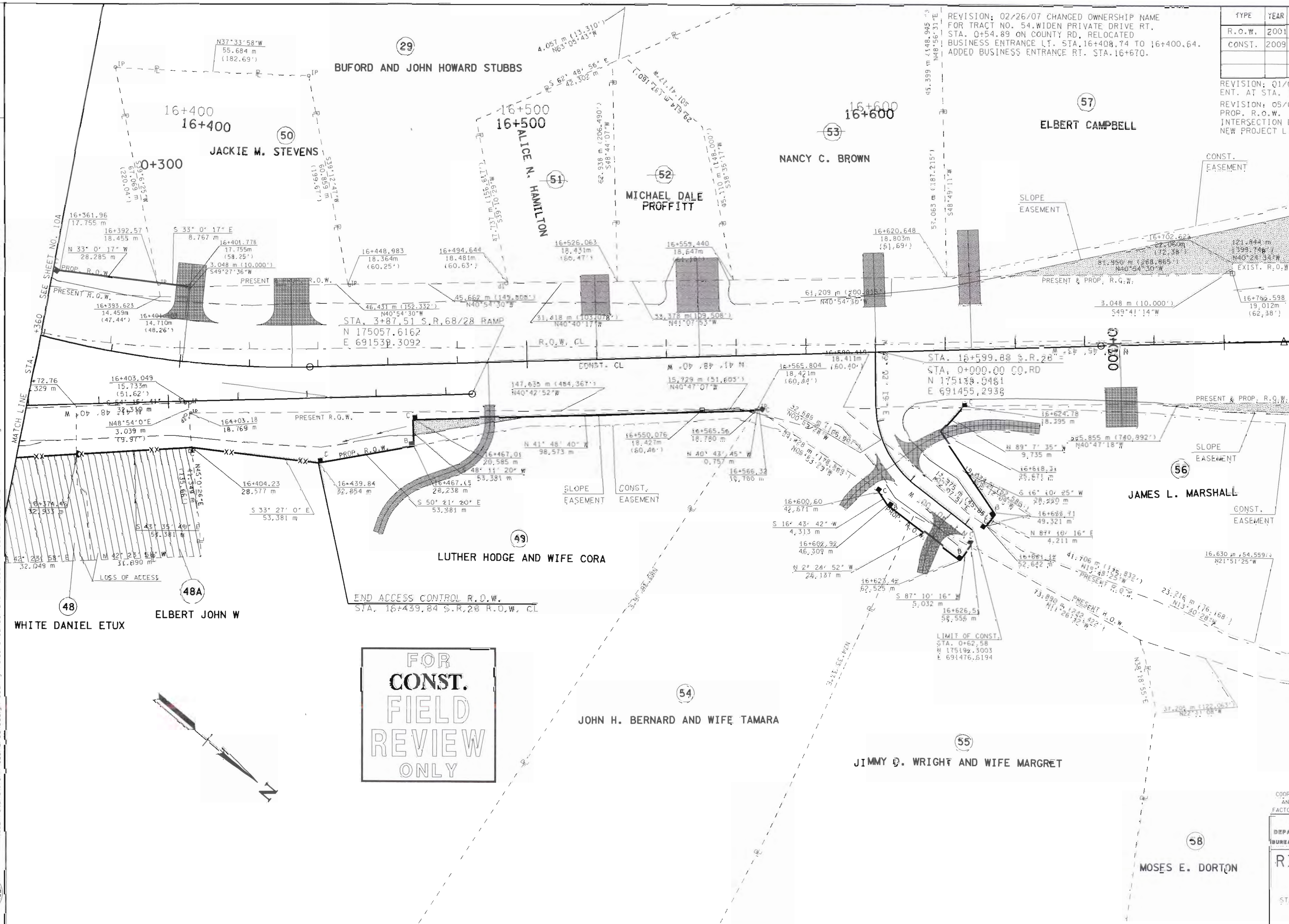
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	11A
CONST.	2009	18006-3210-04	11A

REVISION: 02/26/07 CHANGED OWNERSHIP NAME FOR TRACT NO. 54. WIDEN PRIVATE DRIVE RT. STA. 0+54.89 ON COUNTY RD. RELOCATED BUSINESS ENTRANCE LT. STA. 16+408.74 TO 16+400.64. ADDED BUSINESS ENTRANCE RT. STA. 16+670.

REVISION: 01/06/03 ADDED 8m BUS. ENT. AT STA. 16+410.00 LT.

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



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

RIGHT-OF-WAY DETAILS

STA. 16+360 TO STA. 16+720
S.R. 28 / U.S. 127
SCALE: 1:500

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

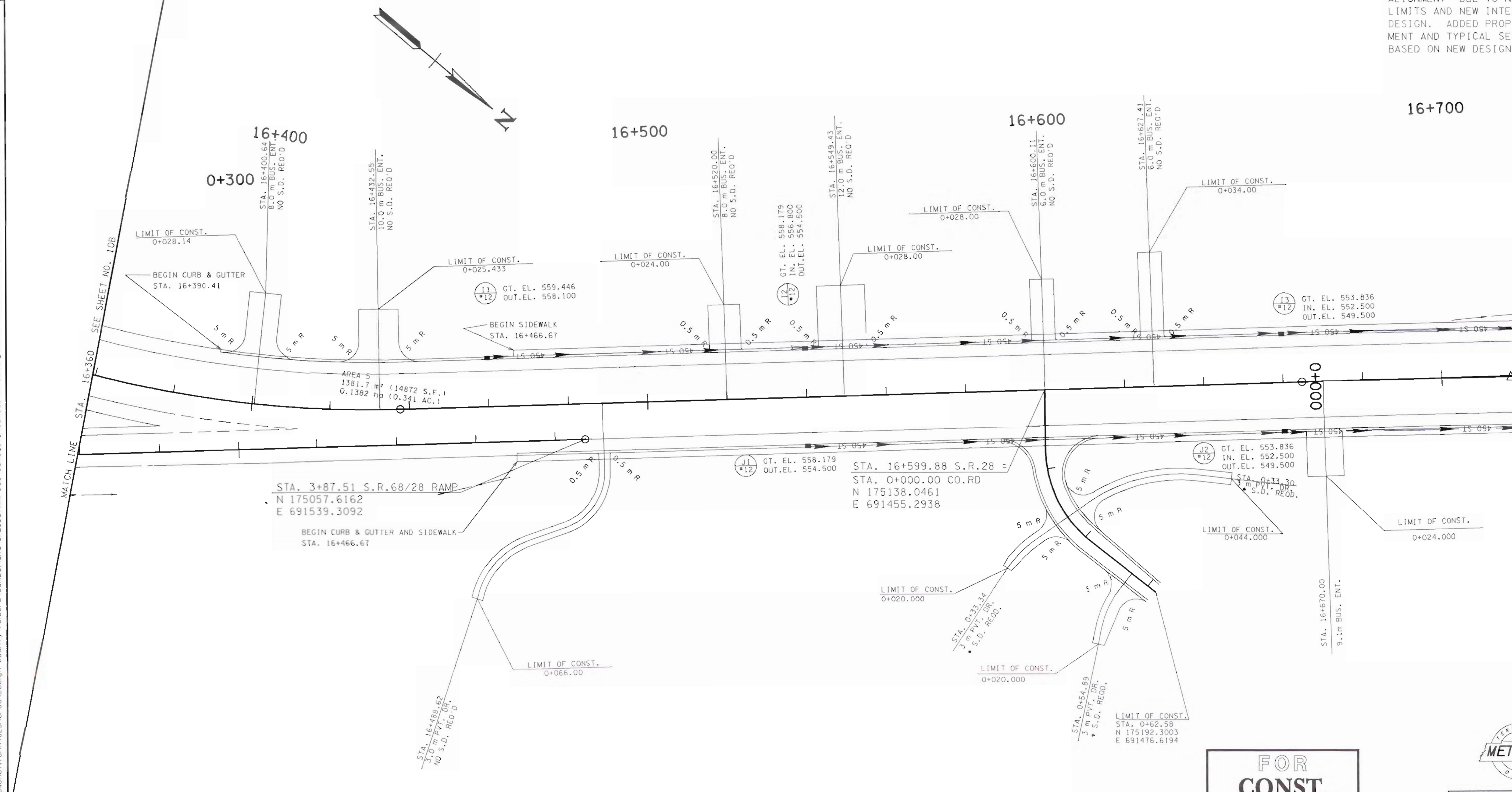
NOTE: CENTERLINE AND STATIONING SHOWN ON THIS SHEET IS BASED ON THE CONSTRUCTION CENTERLINE.

REVISION: 02/26/07 CHANGED THE LIMIT OF CONSTRUCTION FOR BUSINESS ENTRANCE LT. STA. 16+432.55. WIDEN PRIVATE DRIVE RT. STA. 0+54.89 ON COUNTY RD. RELOCATED BUSINESS ENTRANCE LT. STA.16+408.74 TO 16+400.64. ADDED BUSINESS ENTRANCE RT. STA. 16+670.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	11B
CONST.	2009	18006-3210-04	11B

REVISION: 01/06/03 ADDED 8m BUS. ENT. AT STA. 16+410.00 LT.

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.



CO. ROAD LFT STA 16+600	
PI	0+29.583
N	175,157.4395
E	691,477.6338
Δ	50° 42′ 20″ (LT)
R	30.000
L	26.549
T	14.215
SE	
DESIGN SPEED	
TRANS. LENGTH	

CONSTRUCTION CENTERLINE	
PI	16+285.406
N	174,848.9973
E	691,713.8335
Δ	78° 43′ 41″ (LT)
R	275.000
L	377.867
T	225.598
SE	
DESIGN SPEED	
TRANS. LENGTH	

CONSTRUCTION CENTERLINE	
PI	16+717.217
N	175,225.5024
E	691,377.0686
Δ	1° 02′ 57″ (RT)
R	5,730.000
L	104.917
T	52.460
SE	
DESIGN SPEED	
TRANS. LENGTH	

FOR CONST. FIELD REVIEW ONLY

METRIC

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT

STA. 16+360 TO STA. 16+720
S.R. 28 / U.S. 127
SCALE: 1:500

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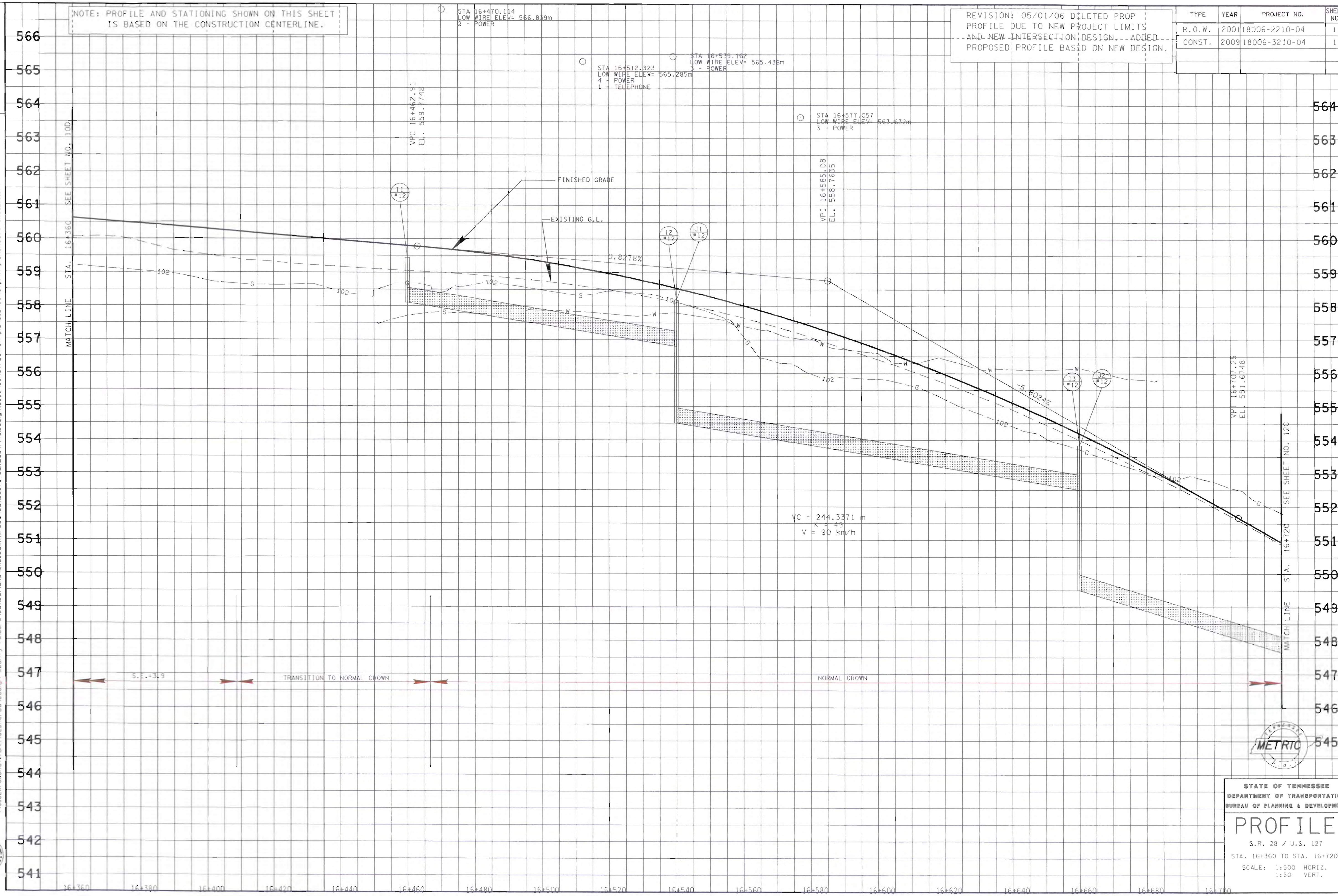
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	110
CONST.	2009	18006-3210-04	110

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

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



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROFILE

S.R. 28 / U.S. 127
STA. 16+360 TO STA. 16+720
SCALE: 1:500 HORIZ.
1:50 VERT.

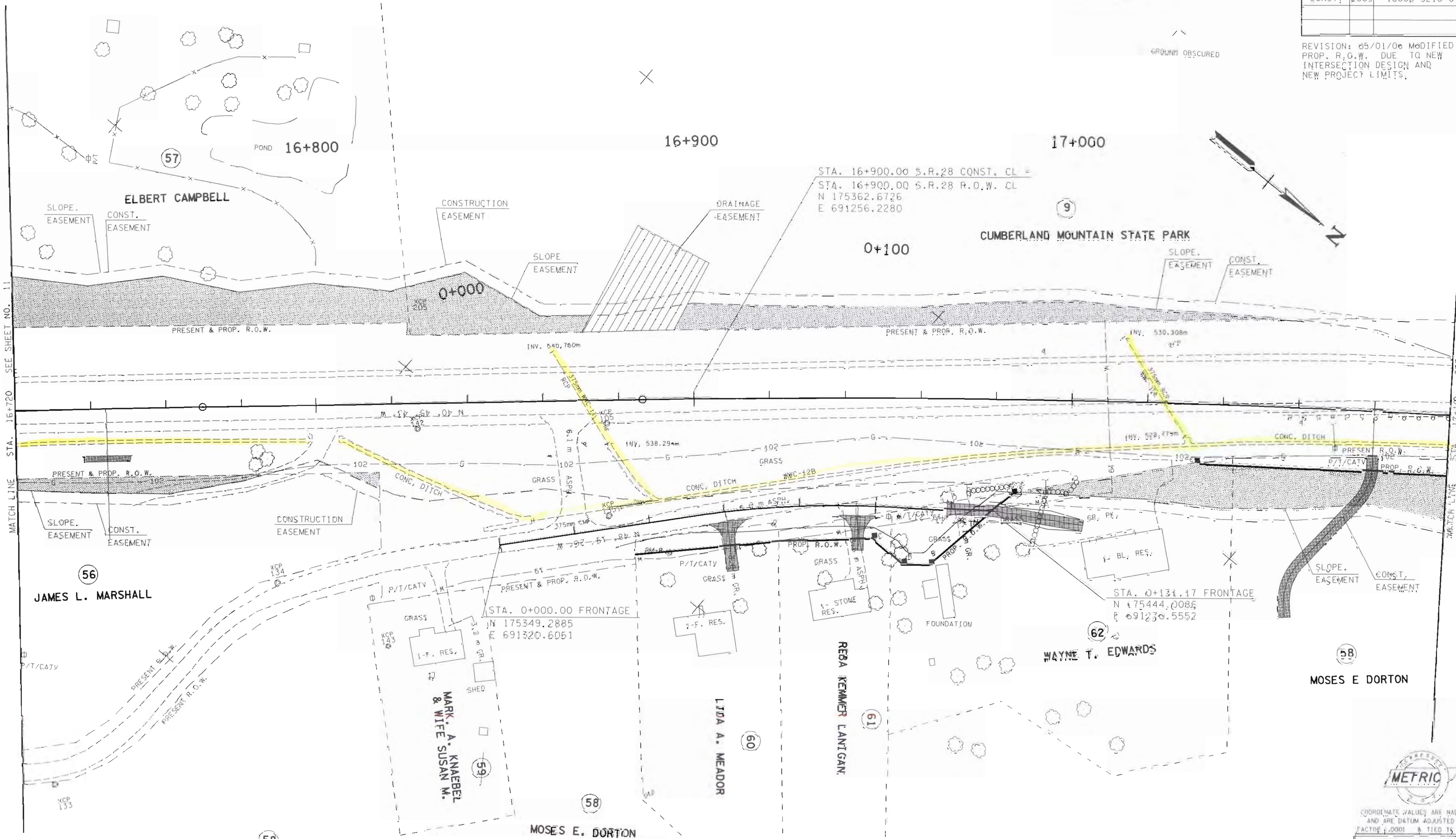
24-FEB-2010 14:19

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

REVISION: 02/26/07 ADDED FIELD ENTRANCE RT. STA. 17+080 AND CURB OPENING RT. STA. 16+744. DELETED PRIVATE DRIVE RT. STA 16+799.95.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	12
CONST.	2009	18006-3210-04	12

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



CONSTRUCTION CENTERLINE
PI 16+717.217
N 175,225.5024
E 691,377.0686
Δ 1° 02' 57" (RT)
R 5,730.000
L 104.917
T 52.460
SE
DESIGN SPEED
TRANS. LENGTH

CURVE FRONTAGE
PI 0+076.972
N 175,400.4689
E 691,263.1141
Δ 11° 32' 05" (RT)
R 250.000
L 50.336
T 25.250
SE
DESIGN SPEED
TRANS. LENGTH

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

PRESENT LAYOUT

STA. 16+720 TO STA. 17+100
S.R. 28 / U.S. 127
SCALE: 1:500

24-FEB-2010 14:20

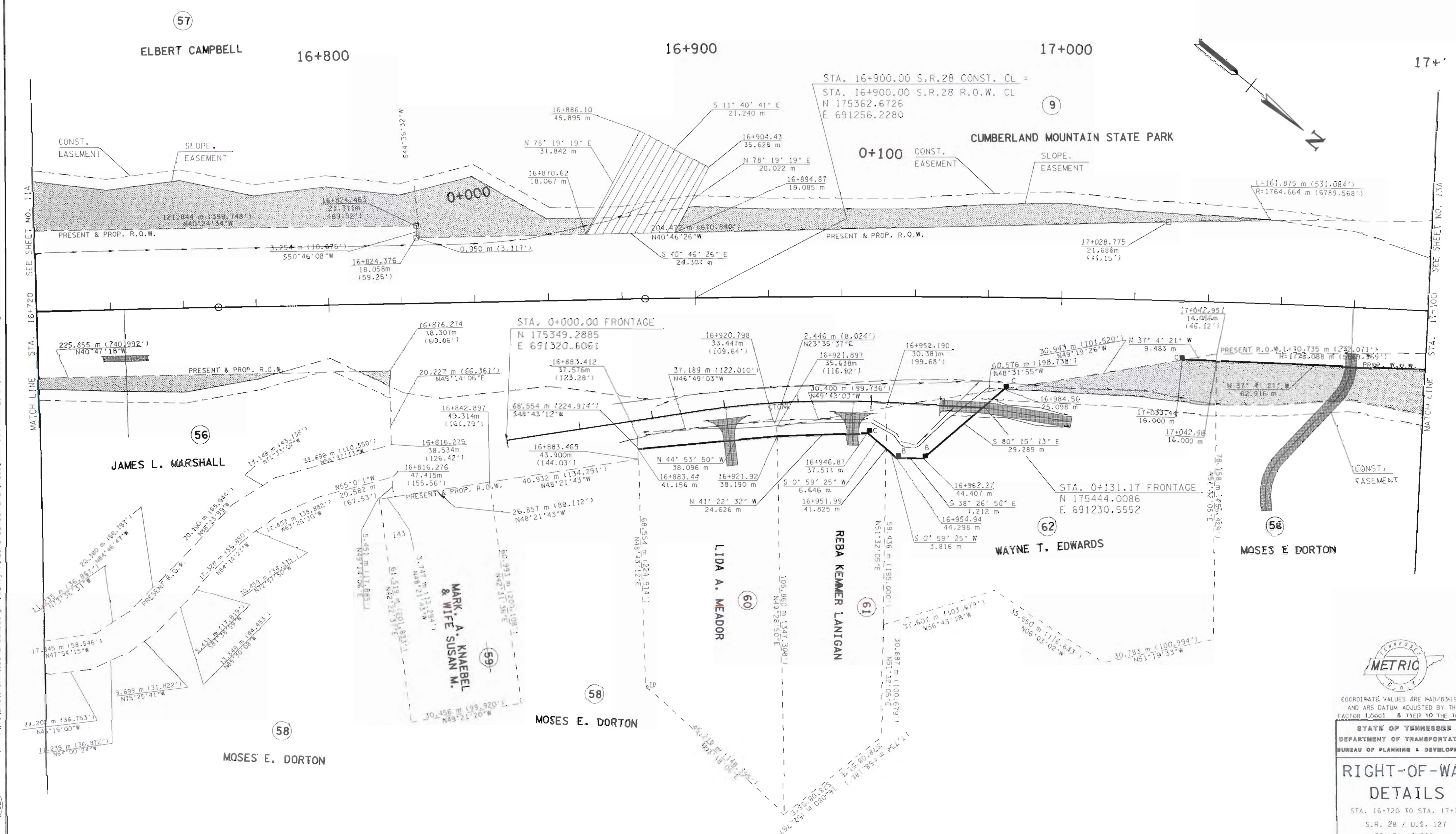
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

REVISION 4/10/02: CORRECTED STATION AND OFFSET ON TRACT NO'S. 9, 62 & INSET K.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2001	18006-2210-04	12A
CONST.	2009	18006-3210-04	12A

REVISION: 02/26/07 ADDED FIELD ENTRANCE RT. STA. 17+080 AND CURB OPENING RT. STA. 16+744. DELETED PRIVATE DRIVE RT. STA. 16+799.95.



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

RIGHT-OF-WAY DETAILS

STA. 16+720 TO STA. 17+100
S.R. 28 / U.S. 127
SCALE: 1:500

24-FEB-2010 14:20

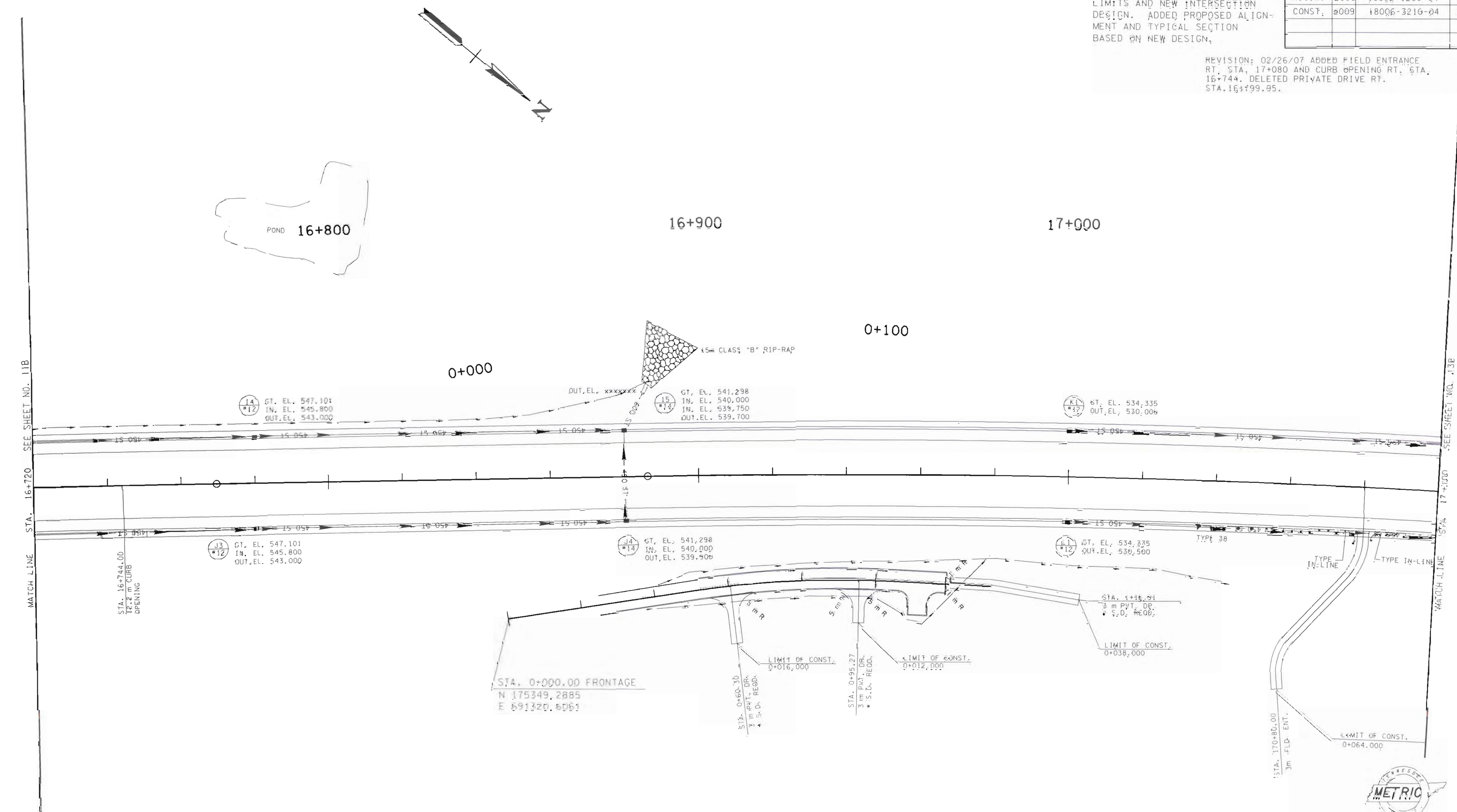
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

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

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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2000	18006-1269-04	12B
CONST.	2009	18006-3216-04	12B

REVISION: 02/26/07 ADDED FIELD ENTRANCE RT. STA. 17+080 AND CURB OPENING RT. STA. 16+744. DELETED PRIVATE DRIVE RT. STA.16+799.95.



S.R. 28 CONST. CENTERLINE
PI 16+717.217
N 175,225.5024
E 691,377.0686
Δ 1° 02' 57" (RT)
R 5,730.000
L 104.917
T 52.460
SE
DESIGN SPEED
TRANS. LENGTH

CURVE DCFNT2
PI 0+076.972
N 175,400.4689
E 691,263.1141
Δ 11° 32' 05" (RT)
R 250.000
L 50.330
T 25.250
SE
DESIGN SPEED
TRANS. LENGTH

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT

STA. 16+720 TO STA. 17+100
S.R. 28 / U.S. 127
SCALE: 1:500

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