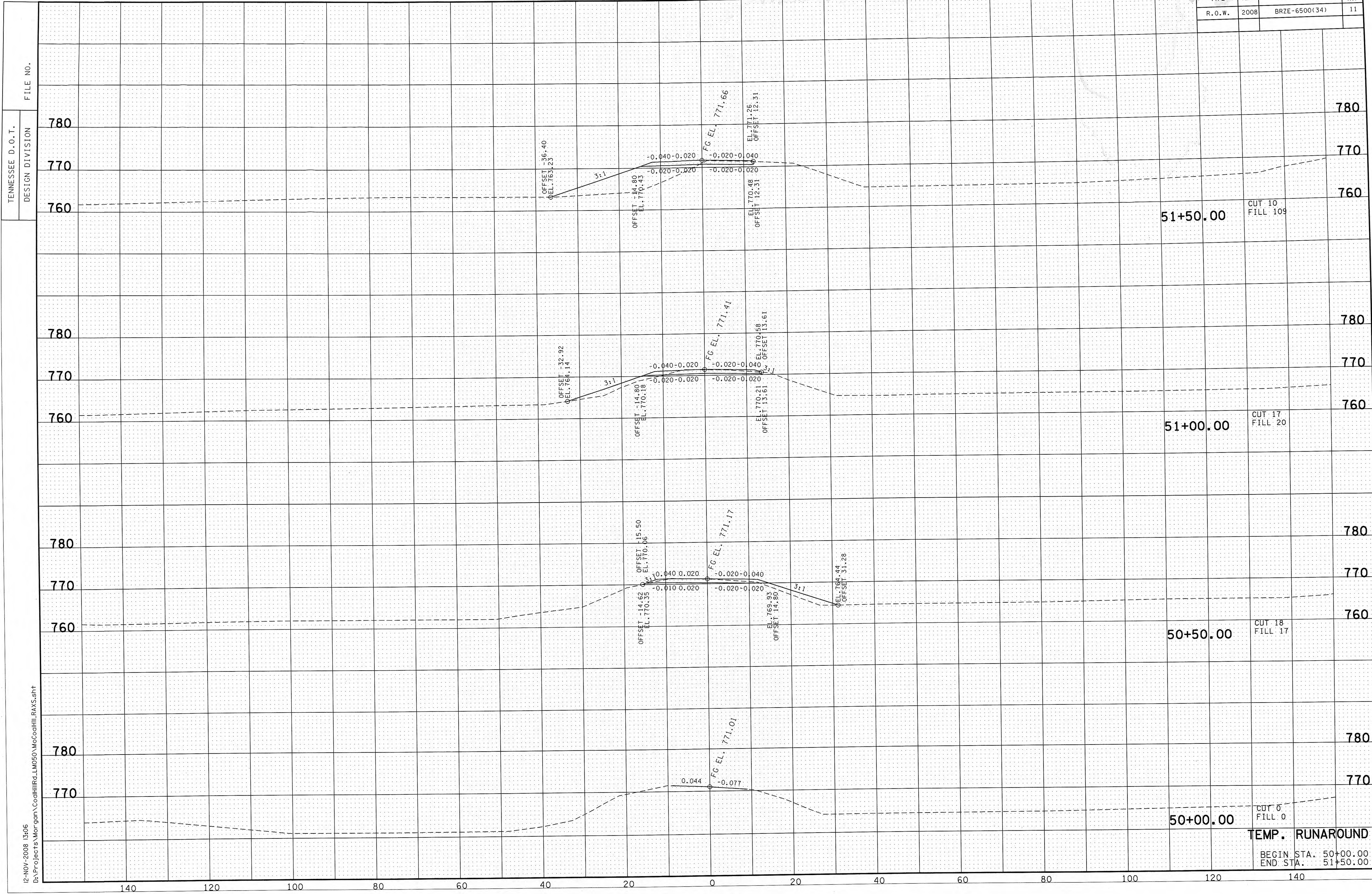
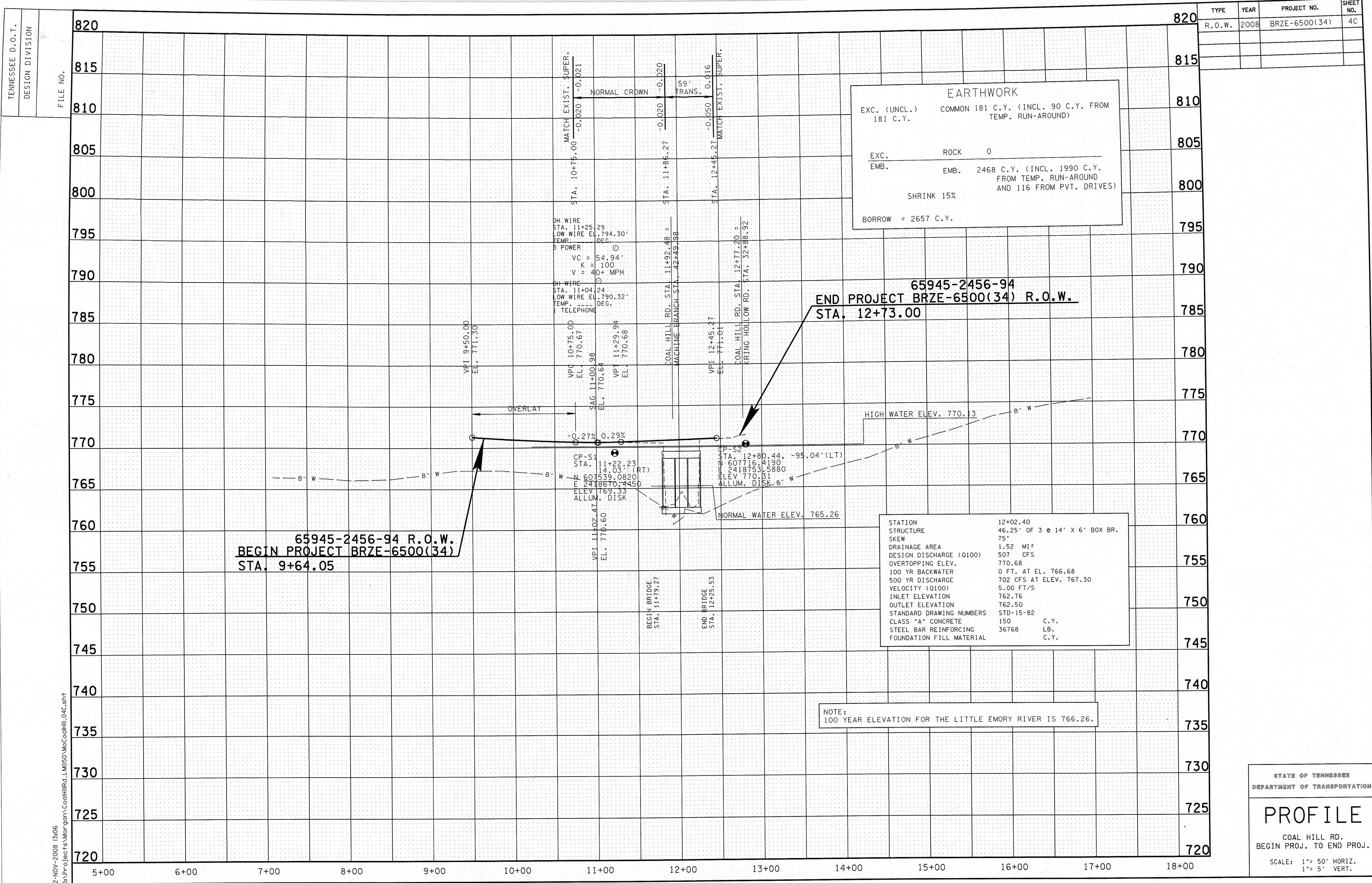
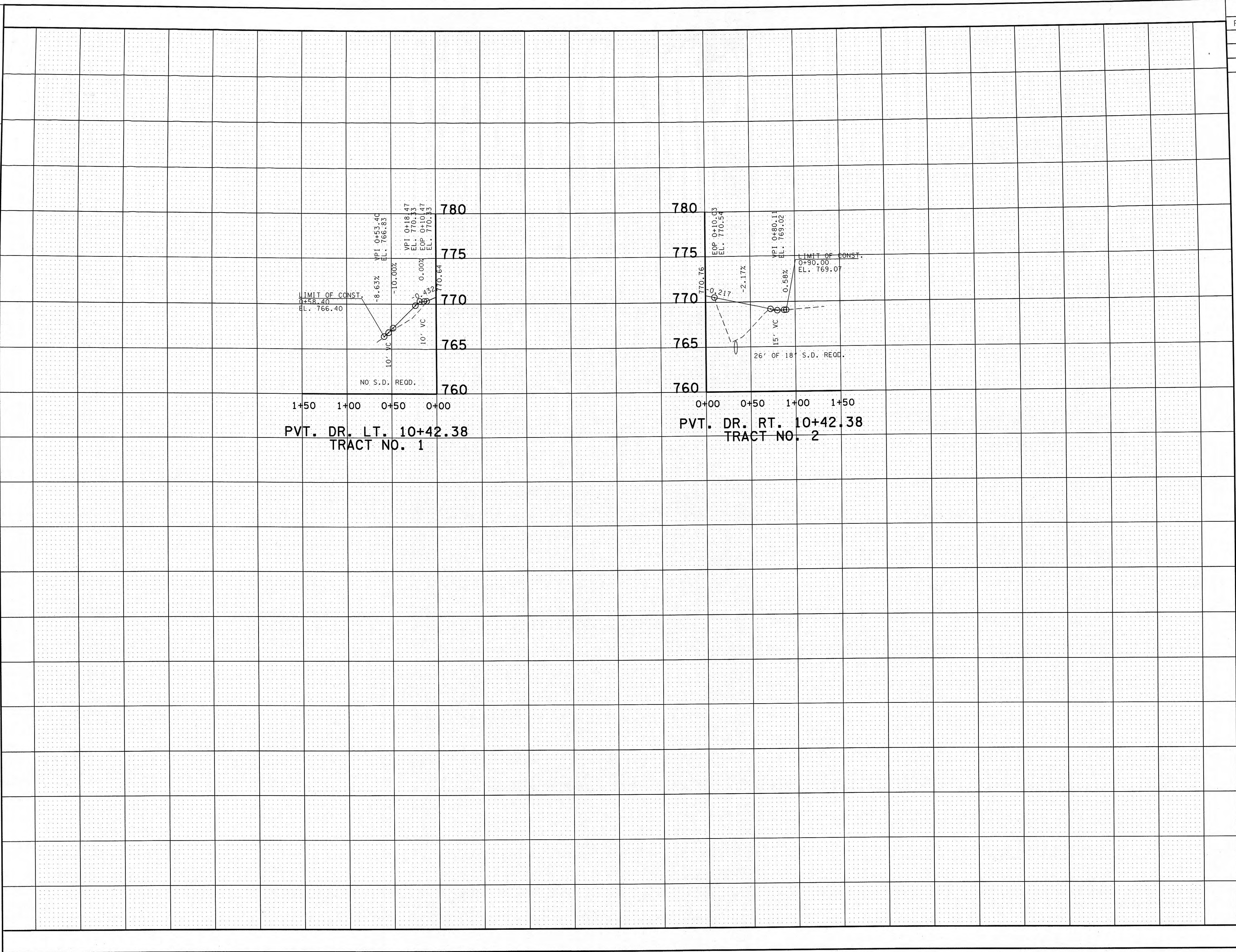


TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	11







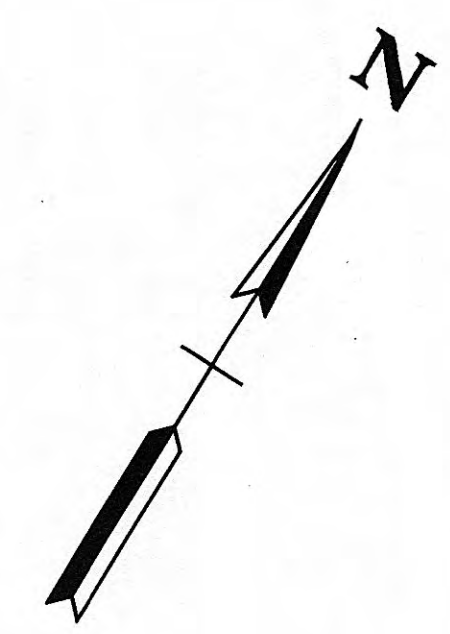
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

DRAINAGE DATA FOR PIPE STATION 32+60.10

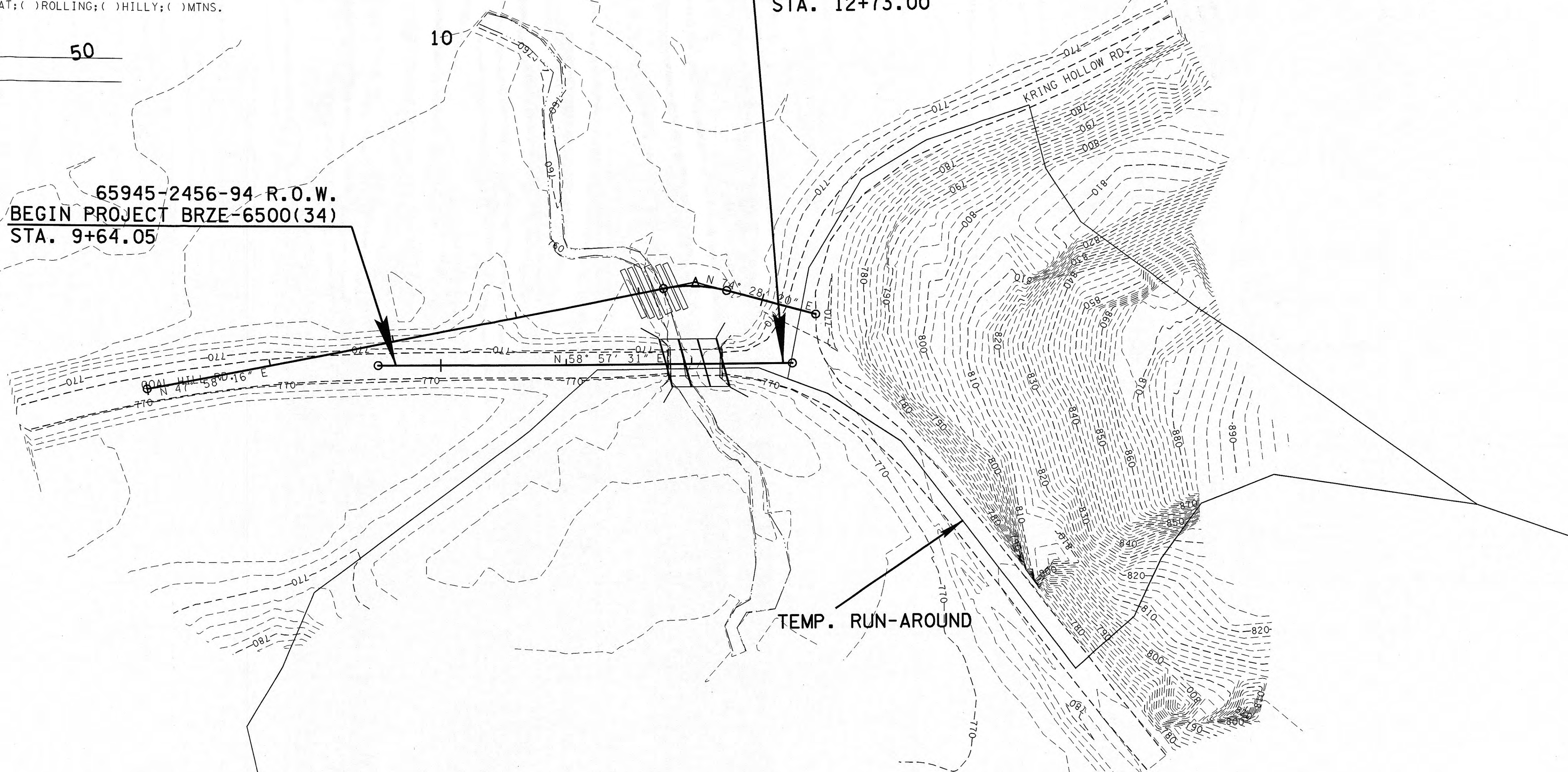
DIRECTION OF FLOW RT
DRAINAGE AREA 2.29 AC
PRESENT STRUCTURE: 15" CMP
EXISTING STRUCTURE CONDITION: 50
REMARKS:

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	6



65945-2456-94 R.O.W.
BEGIN PROJECT BRZE-6500(34)
STA. 9+64.05

65945-2456-94 R.O.W.
END PROJECT BRZE-6500(34)
STA. 12+73.00



DRAINAGE/ HYDRAULIC DATA FOR BRIDGE STATION 15+24.49 STREAM NAME MACHINE BRANCH

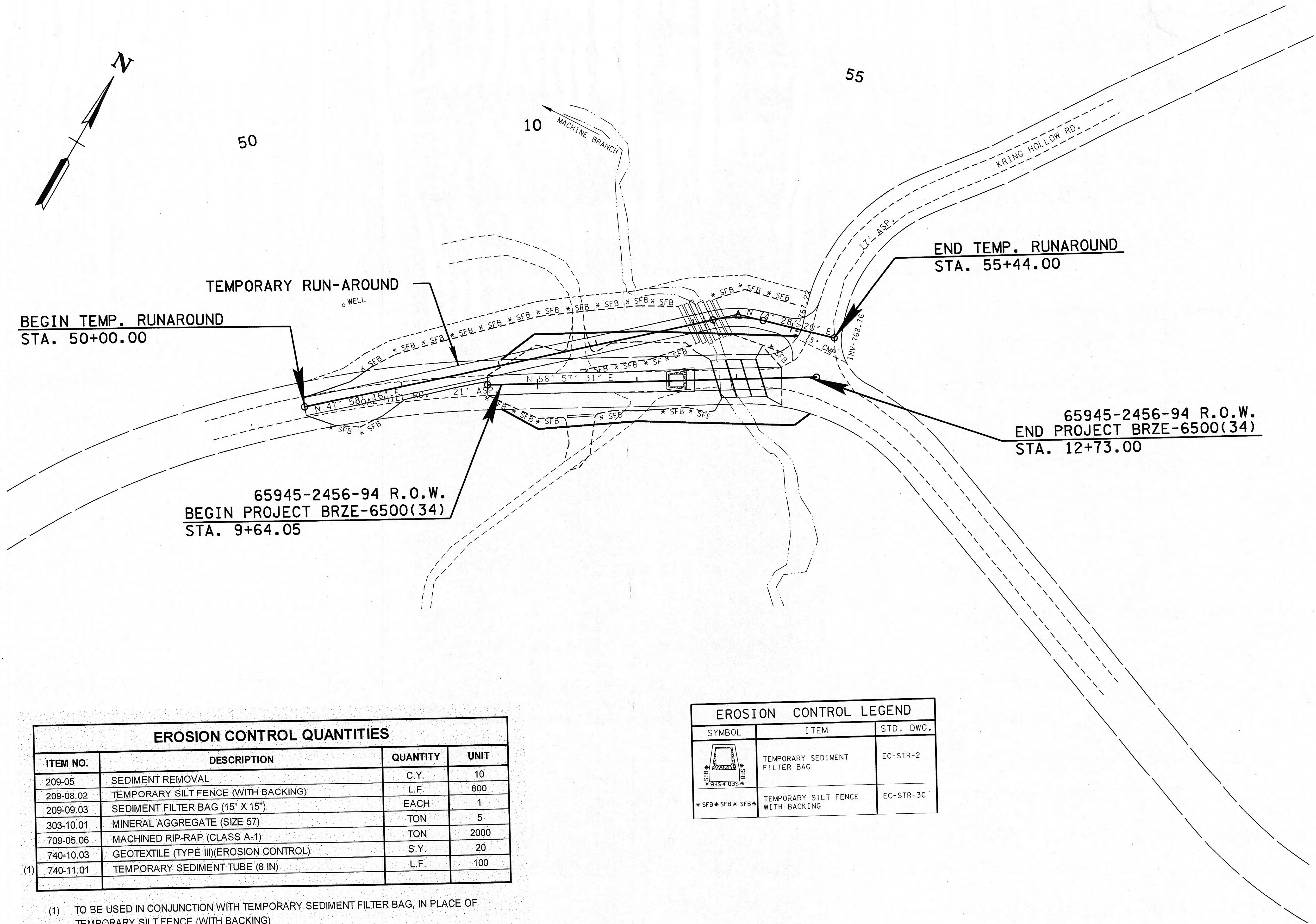
STREAM BED LINING: SILT
DIRECTION OF FLOW LT @ CL (NW)
DRAINAGE AREA 1.45 SQ MI; () FLAT (X) ROLLING () HILLY (X) MTNS.
PRESENT STRUCTURE: SPAN 44.13' HEIGHT 3.53' STRUCTURE CONC SUPERSTRUCTURE STEEL
BEGIN STATION-OFFSET 15+12.61 END STATION-OFFSET 15+56.74
LOW BEAM ELEV. 766.31 LOCATION. NW CORNER
INLET INVERT ELEV. OUTLET INVERT.
NORMAL WATER ELEV. 765.26 EXTREME HIGHWATER ELEV. 770.13 DATE. UNKNOWN
HOW OBTAINED. LOCAL RESIDENT
BACKWATER FROM WHAT STREAM (IF APPLICABLE): LITTLE EMORY RIVER
EXISTING STRUCTURE CONDITION:
SEE STREAM CROSS-SECTIONS FOR VEGETATIVE COVER, SEE PRESENT LAYOUT (LEVEL 40) FOR STREAM ALIGNMENT AND CROSS-SECTION LOCATIONS.
SEE CENTERLINE PROFILE OR FIELD BOOK FOR EXISTING BRIDGE OPENING SKETCHES.
REMARKS: DOWNSTREAM FLOODPLAIN IS LITTLE EMORY FLOOD AREA

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

BEGIN PROJ. TO END PROJ.
SCALE: 1"= 50'

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EROSION CONTROL QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
209-05	SEDIMENT REMOVAL	C.Y.	10
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	800
209-09.03	SEDIMENT FILTER BAG (15" X 15")	EACH	1
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	5
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	2000
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	20
(1) 740-11.01	TEMPORARY SEDIMENT TUBE (8 IN)	L.F.	100

(1) TO BE USED IN CONJUNCTION WITH TEMPORARY SEDIMENT FILTER BAG, IN PLACE OF TEMPORARY SILT FENCE (WITH BACKING)

EROSION CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	TEMPORARY SEDIMENT FILTER BAG	EC-STR-2
	TEMPORARY SILT FENCE WITH BACKING	EC-STR-3C

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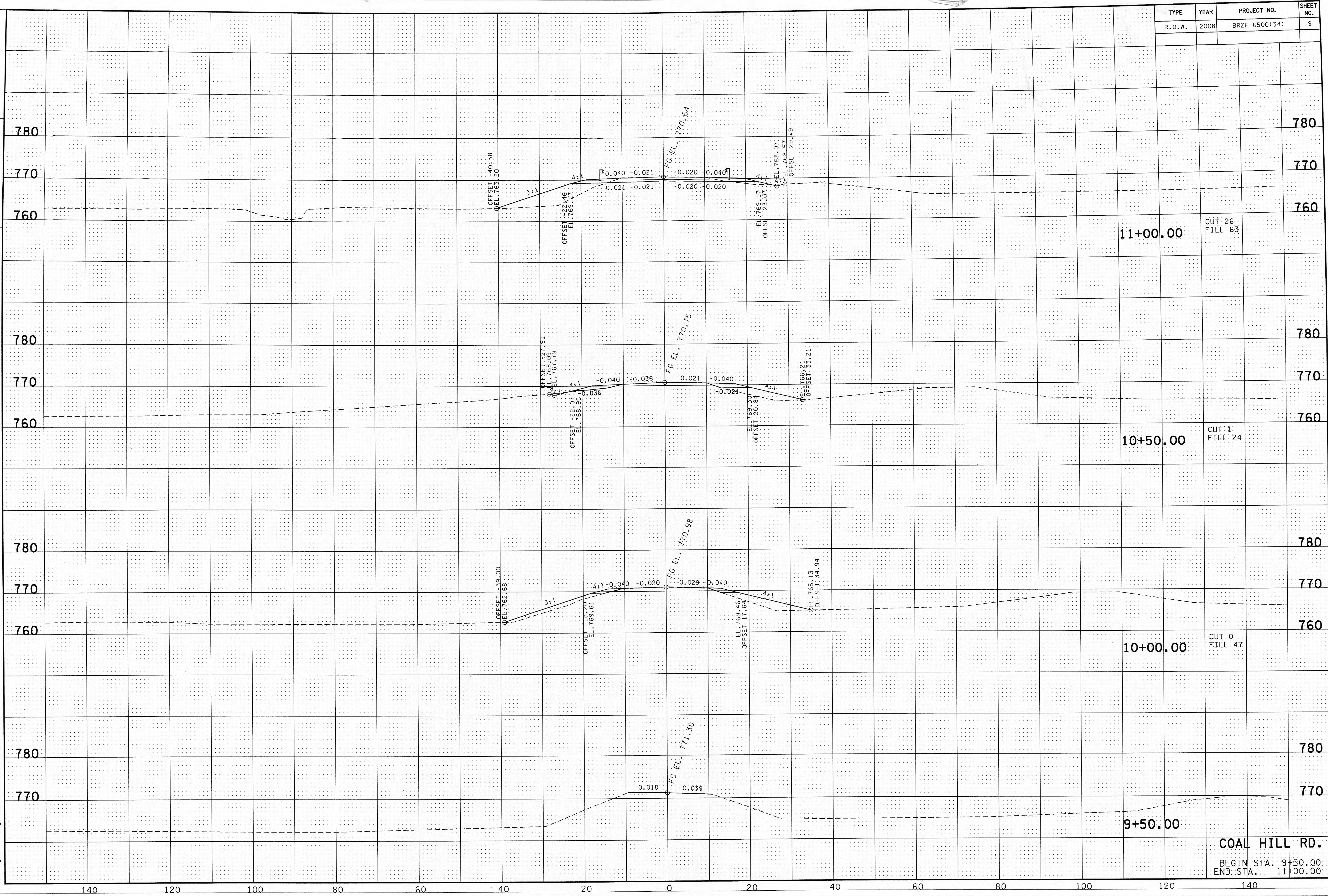
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TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	9



COAL HILL RD.
BEGIN STA. 9+50.00
END STA. 11+00.00

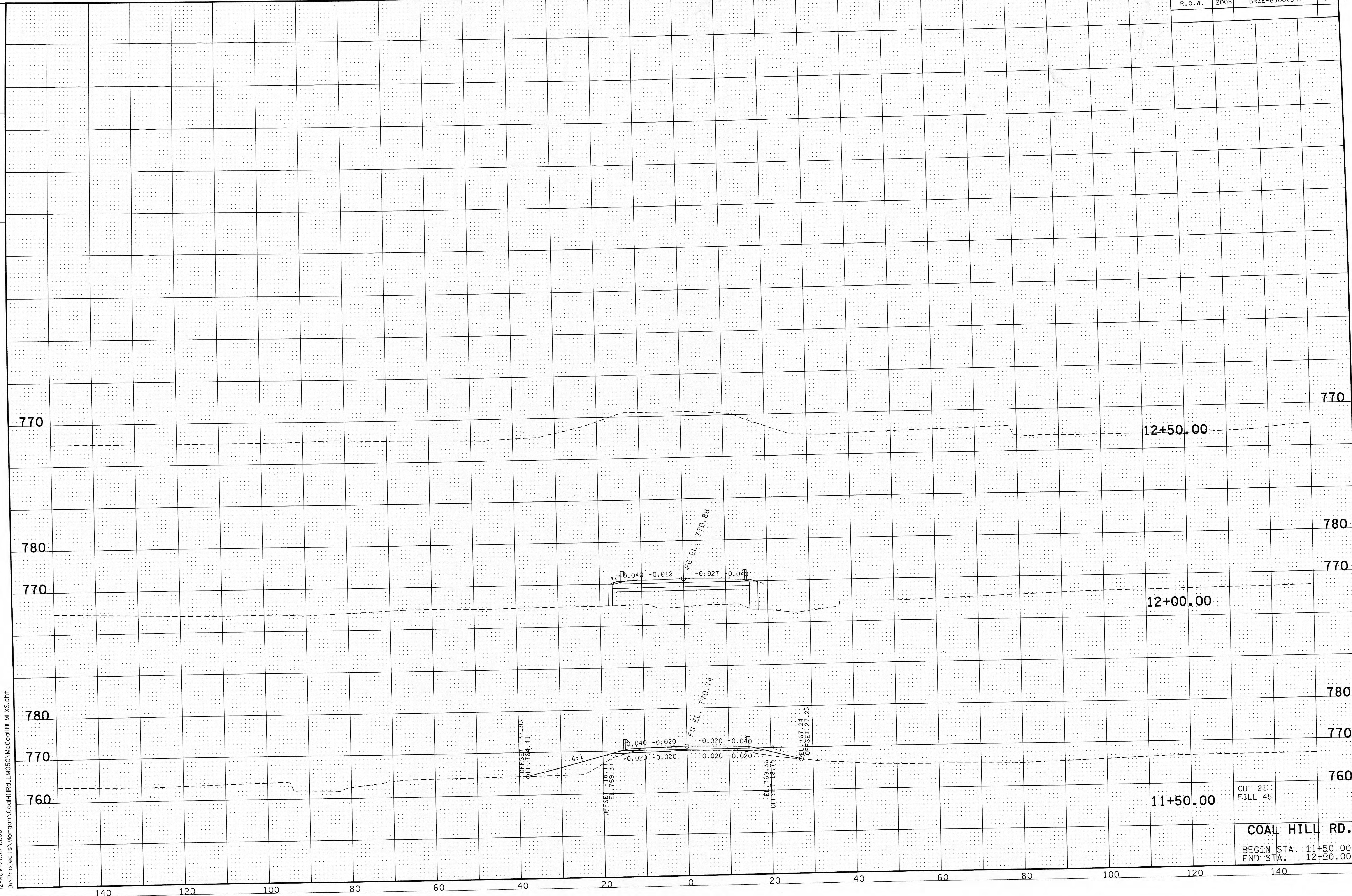
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	10

TENNESSEE D.O.T.

DESIGN DIVISION

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CUT 21

FILL 45

COAL HILL RD.

BEGIN STA. 11+50.00

END STA. 12+50.00

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

Index Of Sheets

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-2A	TYPICAL SECTIONS
3	PROPERTY MAP
3A	R.O.W. ACQUISITION TABLE
4	PRESENT LAYOUT
4A	R.O.W. DETAILS
4B	PROPOSED LAYOUT
4C	MAINLINE PROFILE
4D	TEMPORARY RUN-AROUND PROFILE
5	PRIVATE DRIVE PROFILES
6	DRAINAGE MAP
7	CULVERT SECTIONS
8	EROSION CONTROL PLAN
9-10	ROADWAY CROSS SECTIONS
11-13	TEMP. RUN-AROUND CROSS SECTIONS

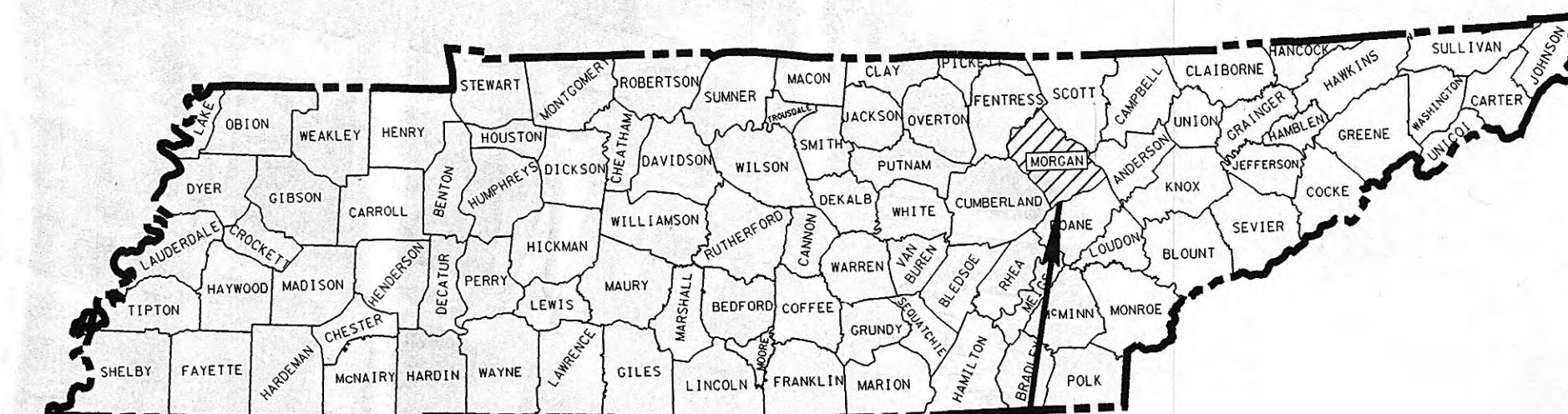
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

MORGAN COUNTY

COAL HILL ROAD
BRIDGE OVER MACHINE BRANCH
LOG MILE 0.50

R.O.W.

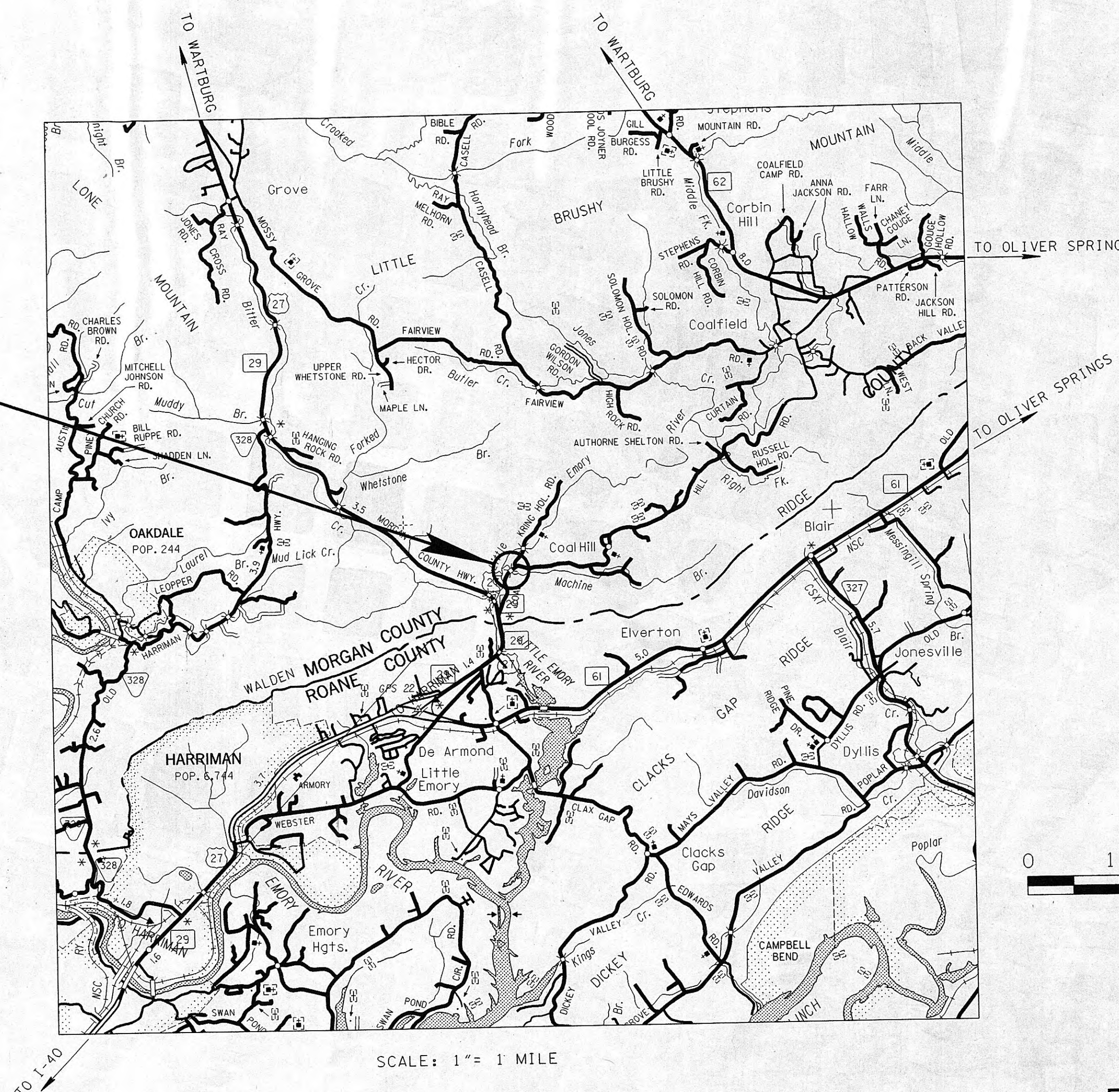
STATE HIGHWAY NO. N/A F.A.H.S. NO. N/A



PROJECT LOCATION

NO EXCLUSIONS
NO EQUATIONS

65945-2456-94
PROJECT NO. BRZE-6500(34) R.O.W.
BEGIN PROJ. STA. 9+64.05
END PROJ. STA. 12+73.00



SCALE: 1"= 1 MILE



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 C.E. MANAGER 1 ATAUR RAHMAN
TDOT ROAD SP. SV. 2 STEPHANIE STEWART

DESIGNER SHAUN ARMSTRONG CHECKED BY _____

P.E. NO. 65945-1456-94

PIN 107715.00

R.O.W. LENGTH

0.058 MILES

TRAFFIC DATA

ADT (2010)	830
ADT (2030)	1160
DHV (2030)	128
D	65 - 35
T (ADT)	3 %
T (DHV)	2 %
V	40 MPH

APPROVED: Paul D. Rogers CHIEF ENGINEER

DATE: _____

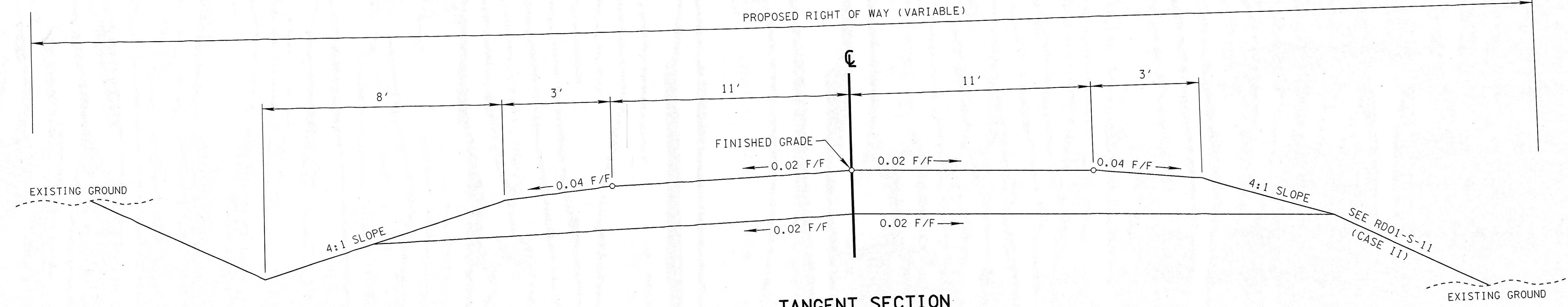
APPROVED: Scott F. Nix COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

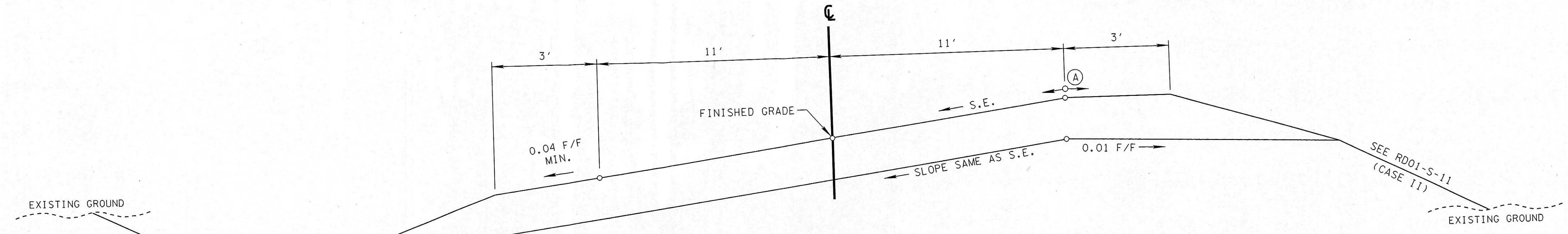
APPROVED: _____
DIVISION ADMINISTRATOR DATE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	2

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



TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-2)
MAINLINE STA. 9+50 TO STA. 10+75 (OVERLAY ONLY)
MAINLINE STA. 10+75 TO STA. 11+86.27



SUPERELEVATED SECTION
(BASED ON STD. DWG. RD01-TS-2)
MAINLINE STA. 11+86.27 TO STA. 12+45.27

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

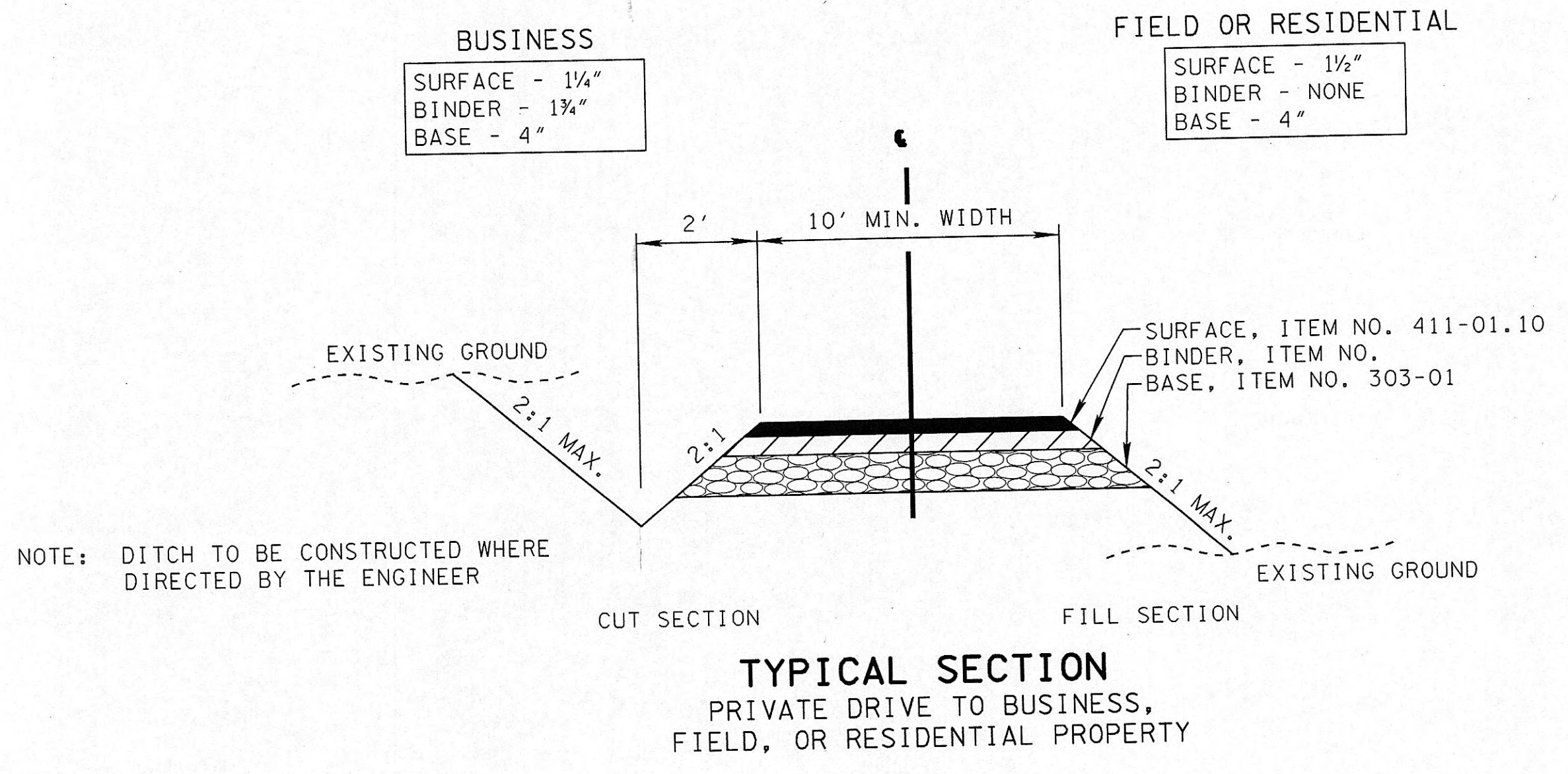
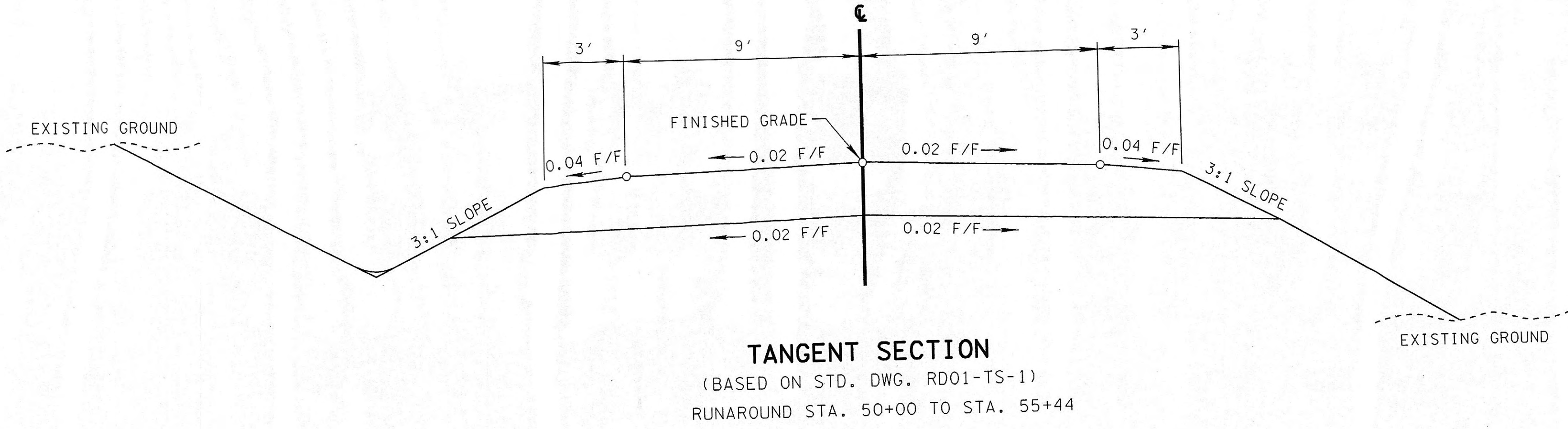
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	2A

TENNESSEE D.O.T.

DESIGN DIVISION

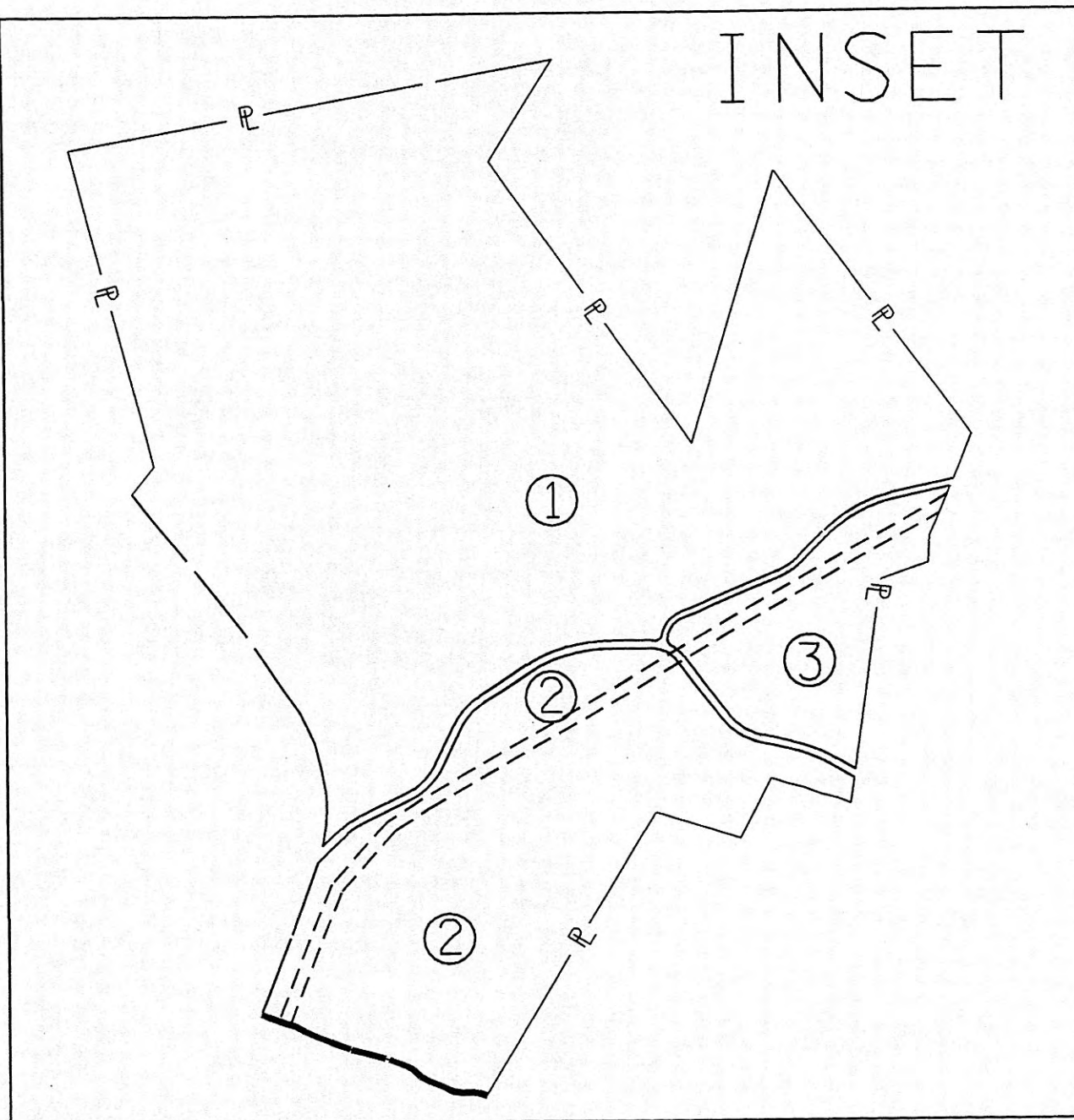
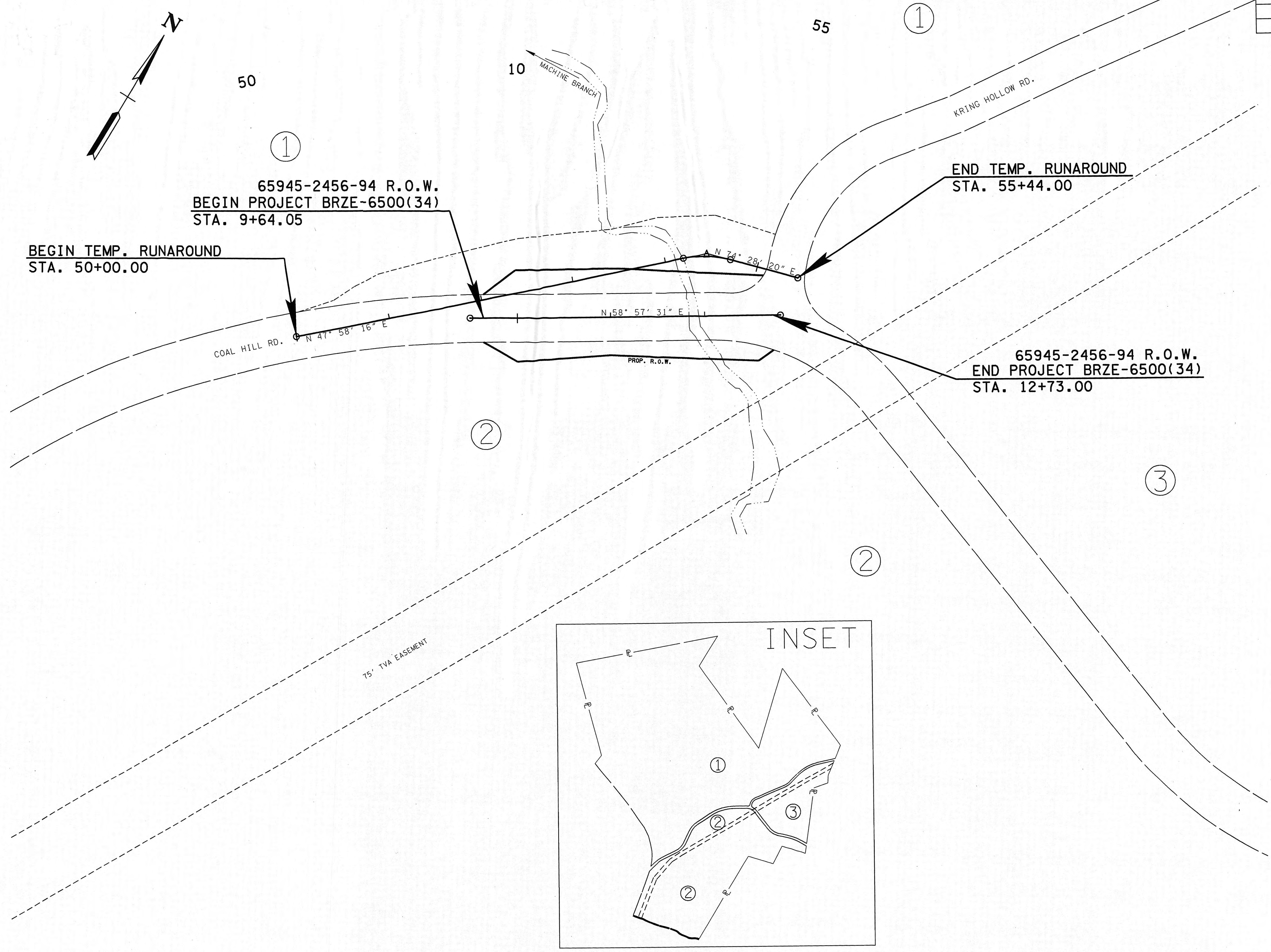
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	3

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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

BEGIN PROJ. TO END PR

SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	3A

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

R.O.W. ACQUISITION TABLE																
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST. (1)
				BK.	PAGE											
1	THE COAL CREEK COMPANY	149	47.00	T4	315	309.538		309.538	0.147		0.147	309.390				0.445 AC
2	THE COAL CREEK COMPANY	149	47.00	T4	315		102.593	102.593		0.119	0.119		102.474			
3	THE COAL CREEK COMPANY	149	47.00	T4	315	30.645		30.645				30.645				

(1) FOR CONSTRUCTION OF SLOPES, TEMPORARY RUN-AROUND, AND EROSION CONTROL FILTER BAG.

RIGHT - OF - WAY

- (1)

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, DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.
- (2)

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 RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.
- (3)

EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.
- (4)

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.
- (5)

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.
- (6)

ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.
- (7)

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.
- (8)

ON NON-STATE ROUTES, ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

UTILITIES

- (1)

THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2)

UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3)

THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4)

PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5)

THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106.

ELECTRIC
HARRIMAN UTILITY BOARD
300 N ROAN STREET
P.O. BOX 434
HARRIMAN, TN 37748
PHONE: 865-882-3242
CONTACT: CHUCK FLORA

ELECTRIC
TENNESSEE VALLEY AUTHORITY
1101 MARKET ST
CHATTANOOGA, TN 37402
PHONE: 423-751-7118
CONTACT: SCOT EAVES 423-751-8371

WATER
CUMBERLAND UTILITY DISTRICT
OF ROANE AND MORGAN COUNTIES
P.O. BOX 950
3201 HARRIMAN HWY
HARRIMAN, TN 37748
PHONE: 865-882-0395
CONTACT: SAM CRASS

TELEPHONE
HIGHLAND TELEPHONE CO-OP
P.O. BOX 119
7840 MORGAN COUNTY HWY
SUNBRIGHT, TN 37872
PHONE: 423-628-2121
CONTACT: FRED TERRY OR
JAKE DIDEN

GAS
DUKE ENERGY
P.O. BOX 305001
555 MARIOTT DRIVE SUITE 600
NASHVILLE, TN 37230
PHONE: 615-872-5149
CONTACT: WARREN WILLIAMS OR
LOUIS BARBEAU

GAS
VINLAND ENERGY
P.O. BOX 6497
OAK RIDGE, TN 37831
PHONE: 865-220-8457
CONTACT: GIL DRAPER

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

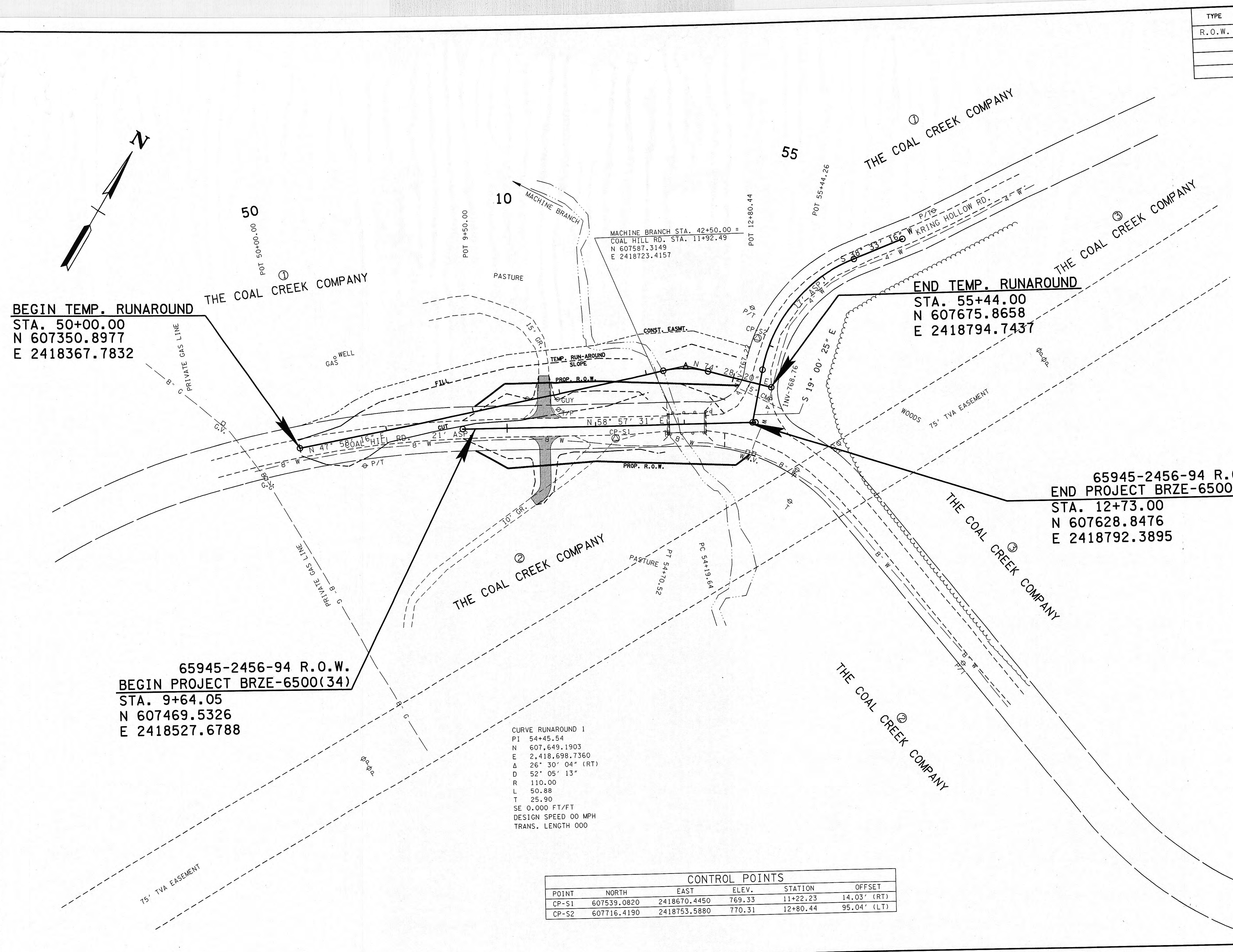
RIGHT-OF-WAY
ACQUISITION
TABLE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	4

TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO.



BEGIN TEMP. RUNAROUND
 STA. 50+00.00
 N 607350.8977
 E 2418367.7832

END TEMP. RUNAROUND
 STA. 55+44.00
 N 607675.8658
 E 2418794.7437

65945-2456-94 R.O.W.
BEGIN PROJECT BRZE-6500(34)
 STA. 9+64.05
 N 607469.5326
 E 2418527.6788

65945-2456-94 R.O.W.
END PROJECT BRZE-6500(34)
 STA. 12+73.00
 N 607628.8476
 E 2418792.3895

CURVE RUNAROUND 1
 PI 54+45.54
 N 607,649.1903
 E 2,418,698.7360
 Δ 26° 30' 04" (RT)
 D 52° 05' 13"
 R 110.00
 L 50.88
 T 25.90
 SE 0.000 FT/FT
 DESIGN SPEED 00 MPH
 TRANS. LENGTH 000

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S1	607539.0820	2418670.4450	769.33	11+22.23	14.03' (RT)
CP-S2	607716.4190	2418753.5880	770.31	12+80.44	95.04' (LT)

COORDINATE VALUES ARE NAD(83)(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00008 & TIED TO THE TGRN.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

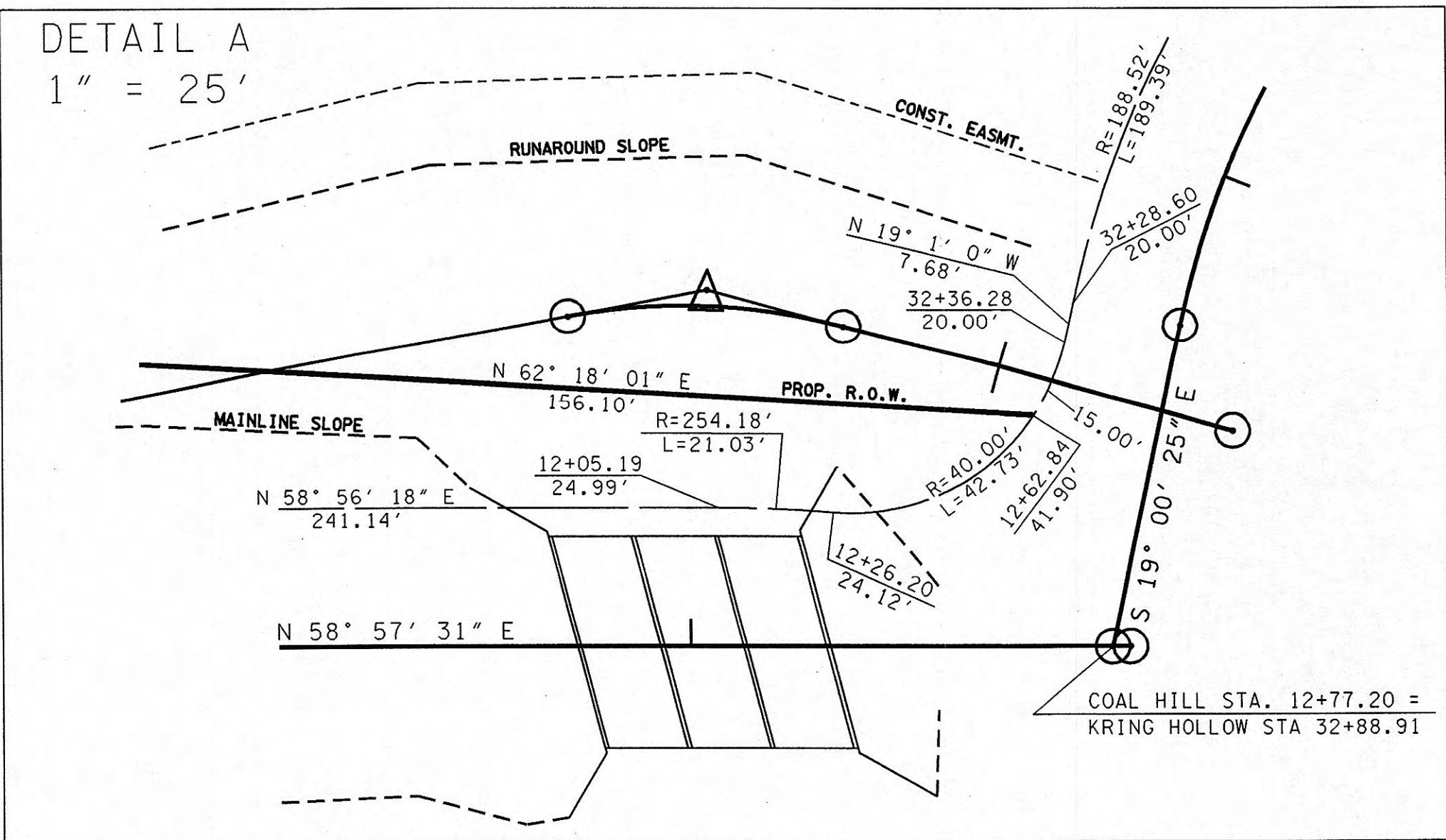
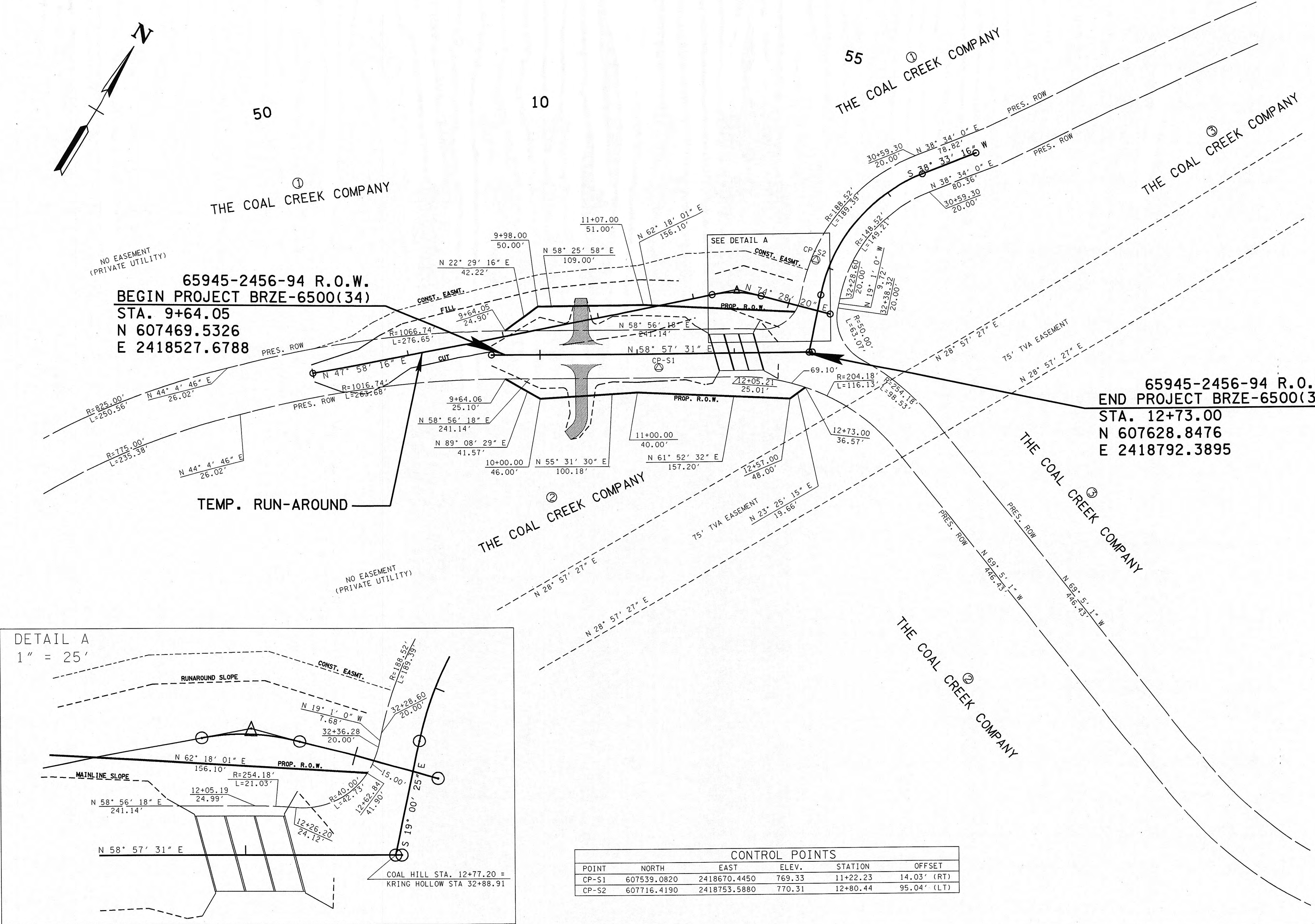
PRESENT LAYOUT

BEGIN PROJ. TO END PROJ.

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	4A



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
CP-S1	607539.0820	2418670.4450	769.33	11+22.23	14.03' (RT)
CP-S2	607716.4190	2418753.5880	770.31	12+80.44	95.04' (LT)

65945-2456-94 R.O.W.
END PROJECT BRZE-6500(34)
STA. 12+73.00
N 607628.8476
E 2418792.3895

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00008 & TIED TO THE TGRN.

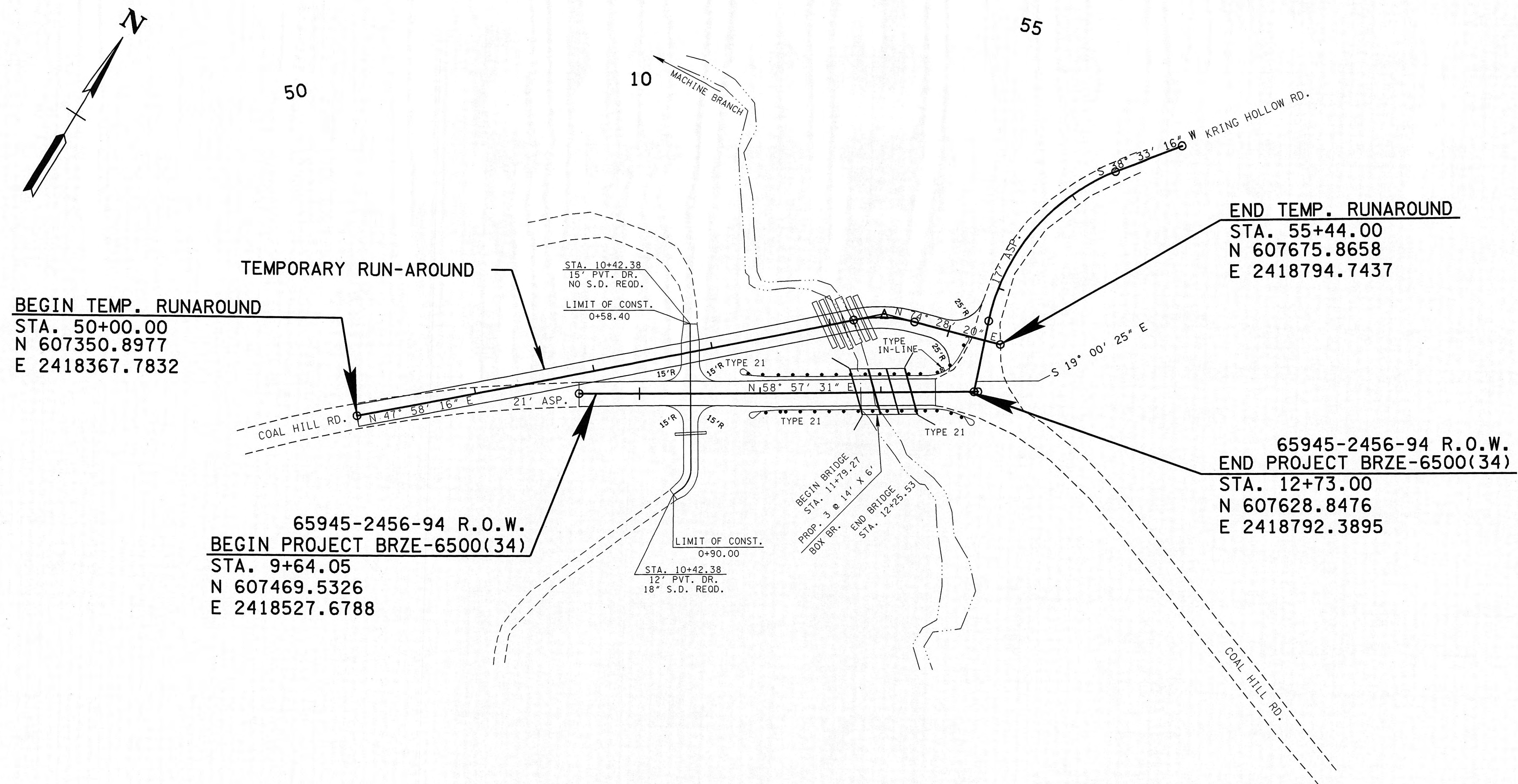
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W.
DETAILS

BEGIN PROJ. TO END PROJ.

SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2008	BRZE-6500(34)	4B



NOTE:
TEMPORARY RUNAROUND IS TO BE REMOVED
AFTER COMPLETION OF PROJECT. AREA TO BE
RESTORED TO ORIGINAL CONDITION.

COORDINATE VALUES ARE NAD/83(199
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00008 & TIED TO THE TGF

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

BEGIN PROJ. TO END PROJ

SCALE: 1" = 50'