MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

ST. CHARLES COUNTY
T46N, R2E & R3E

DESIGN DESIGNATION

A.A.D.T. - 2010 = 7200
A.A.D.T. - 2030 = 8800
D.H.V. = 11%
T = 7.3%
V = 55 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION- RURAL MAJOR COLLECTOR

NO ADDITIONAL R/W REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	—FO—	—FO—
OVERHEAD TELEPHONE	—O—	—●—
UNDERGROUND TELEPHONE	—T—	—T—
OVERHEAD POWER	—□—	—■—
UNDERGROUND POWER	—P—	—P—
GAS	—G—	—G—
WATER	—W—	—W—
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	—V—	
WOVEN WIRE	—X—	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

CULVERT REPLACEMENT
STA 703+13

SCALE IN MILES

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STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED: 10/4/2012
ROUTE: D | STATE: MO
DISTRICT: SL | SHEET NO.: 1
COUNTY: ST. CHARLES
JOB NO.: WRSCOODA
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
PLAN-PROFILE (PP)	3
REFERENCE POINTS (RP)	4
CULVERT SECTIONS (CS)	5
TRAFFIC CONTROL (TC)	6-7

LENGTH OF PROJECT

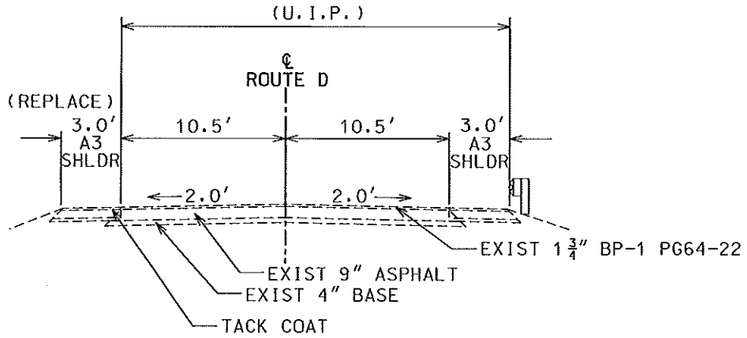
BEGINNING OF PROJECT	STA.	702+58.00
END OF PROJECT	STA.	703+68.00
APPARENT LENGTH		110.00 FEET
EQUATIONS AND EXCEPTIONS:		
NONE		
TOTAL CORRECTIONS		0.00 FEET
NET LENGTH OF PROJECT		110.00 FEET
STATE LENGTH		0.021 MILES

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TITLE SHEET

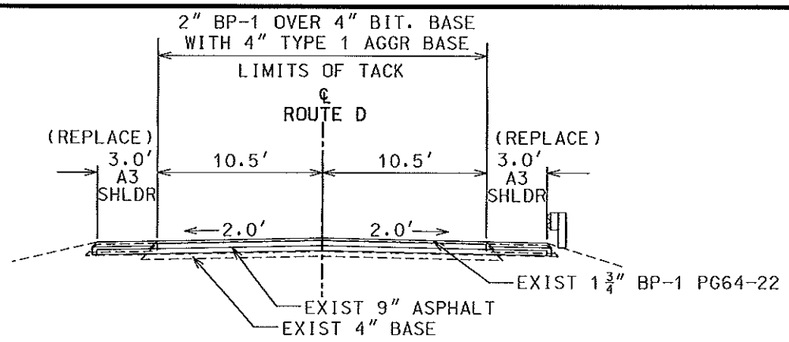
REV. 29 JUNE 2010



ROUTE D TYPICAL SECTION

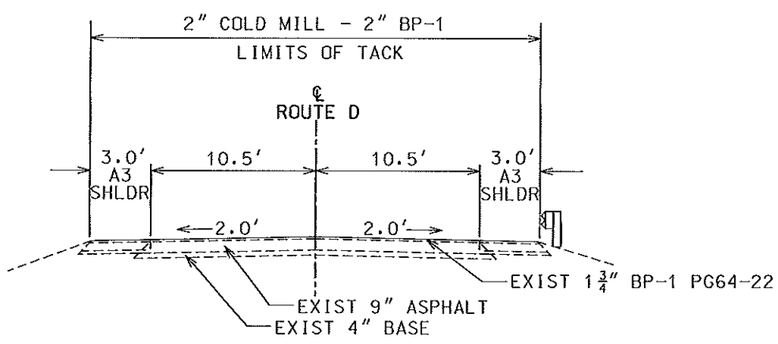
STA 702+83 TO STA 703+43

OPTION 2



ROUTE D TYPICAL SECTION

STA 702+83 TO STA 703+43



ROUTE D TYPICAL SECTION

STA 702+58 TO STA 702+83
STA 703+43 TO STA 703+68

OPTION 1

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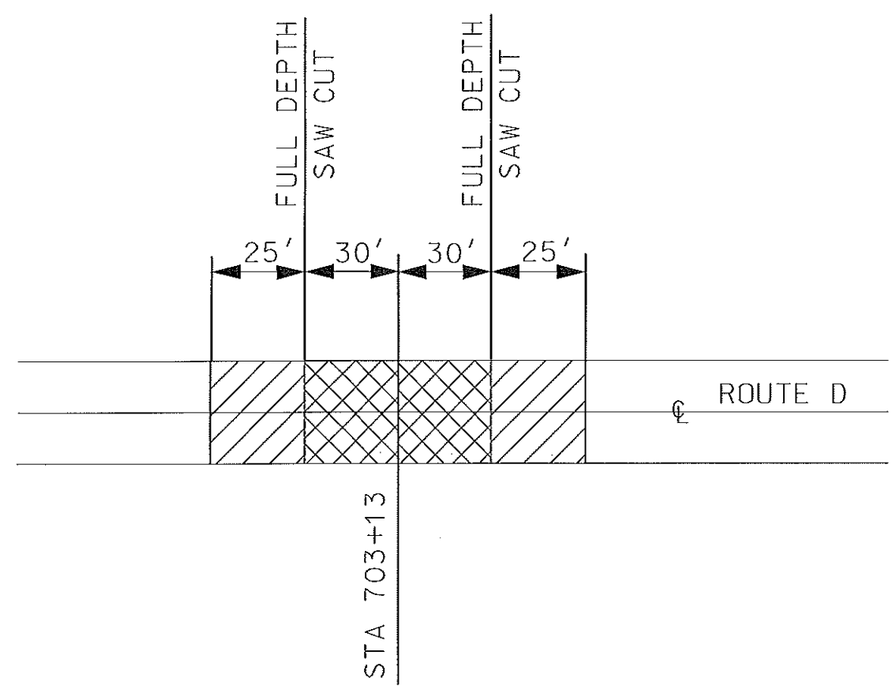
LEGEND

REMOVE AND REPLACE FULL DEPTH PAVEMENT

COLD MILL AND REPLACE TOP 2" OF PAVEMENT



NOT TO SCALE

STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED 10/4/2012	
ROUTE D	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. CHARLES	
JOB NO. WRSCOODA	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

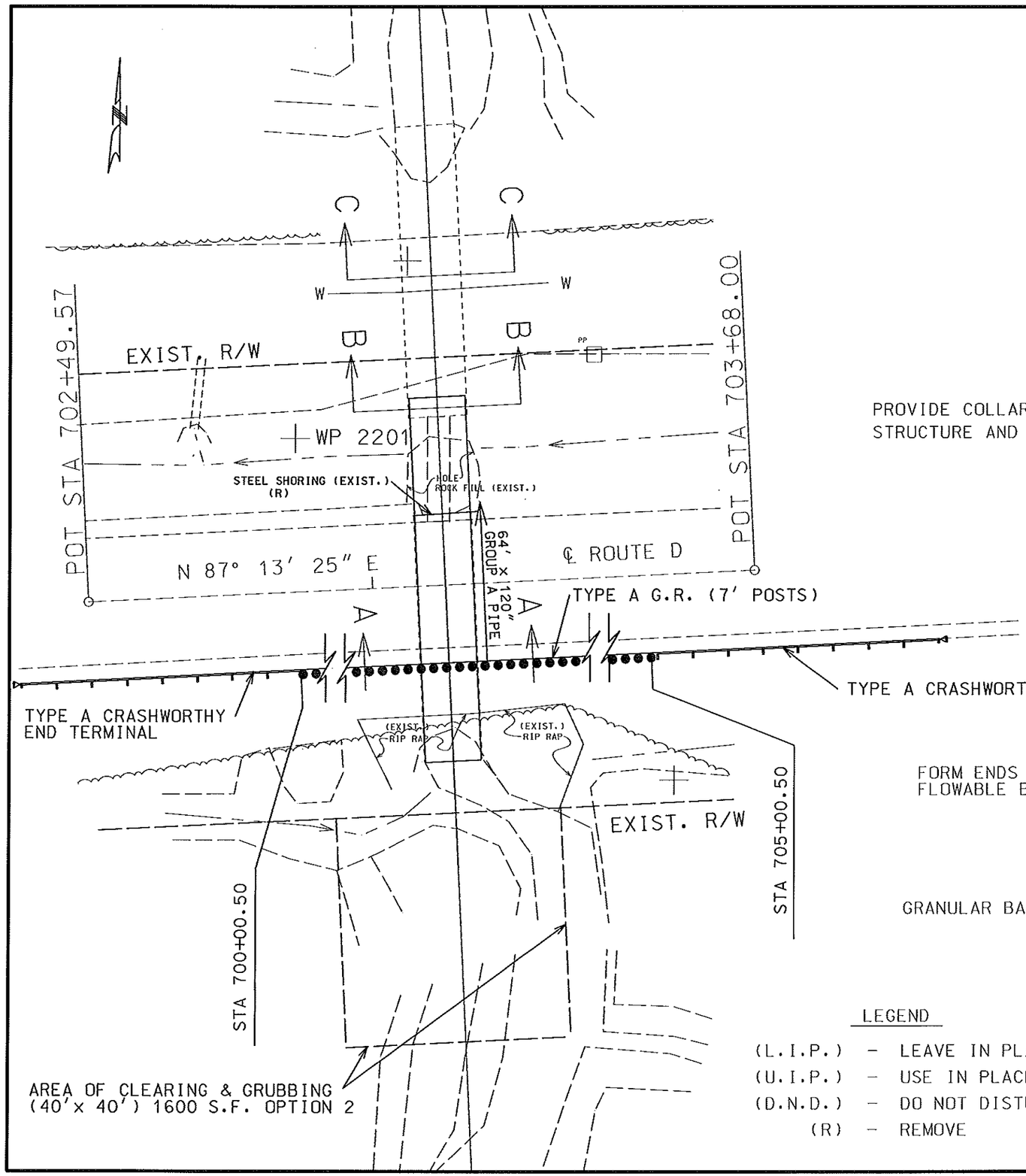
DESCRIPTION | DATE

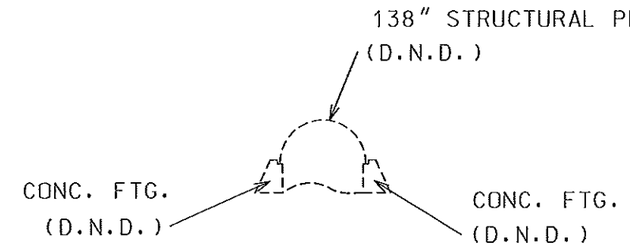
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS & PAVEMENT REPLACEMENT DETAIL
SHEET 1 OF 1

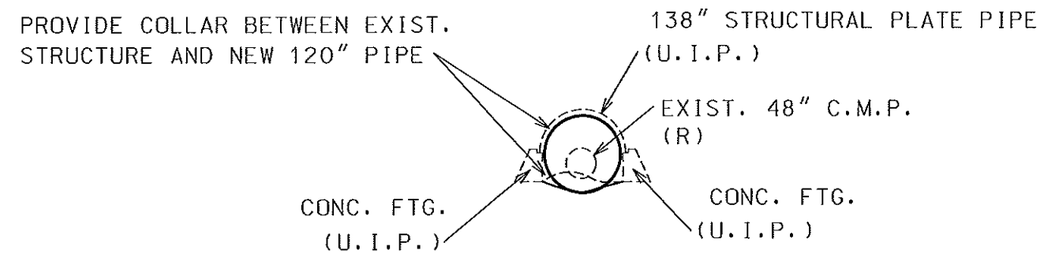
REV. 11 AUG 2010

002_TS_culvert_1005.dgn 2:31:35 PM 10/4/2012

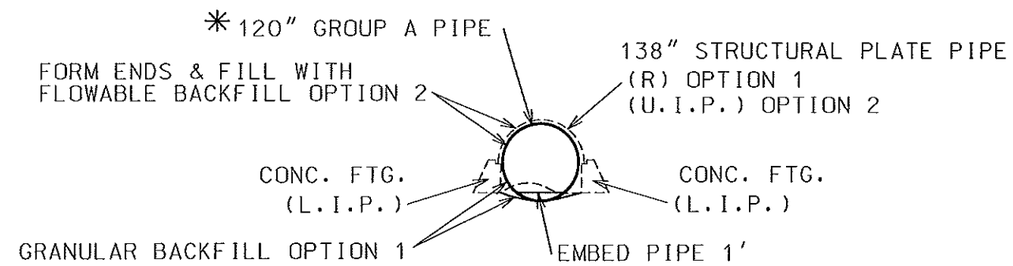




SECTION C-C



SECTION B-B



SECTION A-A

*NOTE: USE OF 120" CLASS III R.C.P. WILL REQUIRE USE OF OPTION 1 AND THE REMOVAL OF CONC. FTGS.

LEGEND

(L.I.P.)	-	LEAVE IN PLACE
(U.I.P.)	-	USE IN PLACE
(D.N.D.)	-	DO NOT DISTURB
(R)	-	REMOVE

SCALE

0 10 20 30

STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED	10/4/2012
ROUTE	D
STATE	MO
DISTRICT	SL
SHEET NO.	3
COUNTY	ST. CHARLES
JOB NO.	WRSCOODA
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PLAN SHEET

SHEET 1 OF 1

SC-11, WP 1 - DNR GRS MONUMENT
N = 1045035.6111
E = 760443.4123
ELEV. = 649.22 (GPS ELEV.)

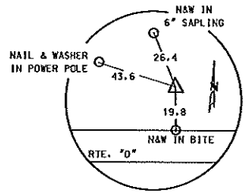
(MODIFIED US FT.

AS SHOT IN BOOK

U-505.)

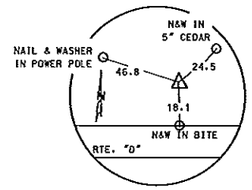
NOTE: THIS IS THE FIELD OBSERVED PROJECT CO-ORDINATE FOR THIS MONUMENT AND NOT THE CALCULATED MODIFIED VALUE.

WP #10
N = 1045495.1355
E = 753871.2770
ELEV. = 630.18 (GPS ELEV.)



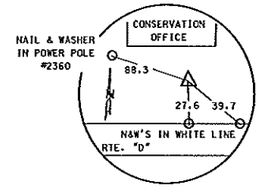
SET 80d SPIKE BURIED 2 INCHES DEEP ON NORTH SIDE OF RTE. "D"

WP #11
N = 1045474.0608
E = 753248.9749
ELEV. = 621.96 (GPS ELEV.)



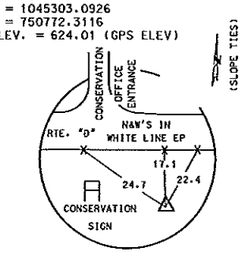
SET 80d SPIKE BURIED 2 INCHES DEEP ON NORTH SIDE OF RTE. "D"

WP #12
N = 1045418.8397
E = 751872.1602
ELEV. = 629.89 (GPS ELEV.)



SET 80d SPIKE BURIED 2 INCHES DEEP ON NORTH SIDE OF RTE. "D" SOUTH OF CONSERVATION OFFICE

WP #13
N = 1045303.0926
E = 750772.3116
ELEV. = 624.01 (GPS ELEV)



80d SPIKE ON SOUTH SIDE OF HWY D 100 FT. EAST OF MAIN CONSERVATION ENTRANCE.

WP #2201
N = 1045445.72
E = 752642.96
ELEV. = 588.409

ALL DIRECT TIES
UNLESS OTHERWISE NOTED
SHEET NOT TO SCALE

COORDINATE POINT INFORMATION

SHEET NO.	STATION	LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
3	702+58	℄	0.00	1,045,417.35	752,614.72	BEGIN PROJECT	61
3	703+68	℄	0.00	1,045,422.68	752,724.59	END PROJECT	62

Reciprocal Average Grid Factor : 1.000086708

MOD STATE PLANE
COORDINATES USED

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STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED
10/4/2012

ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SL	4

COUNTY
ST CHARLES

JOB NO.
WRSCOODA

CONTRACT ID.

PROJECT NO.

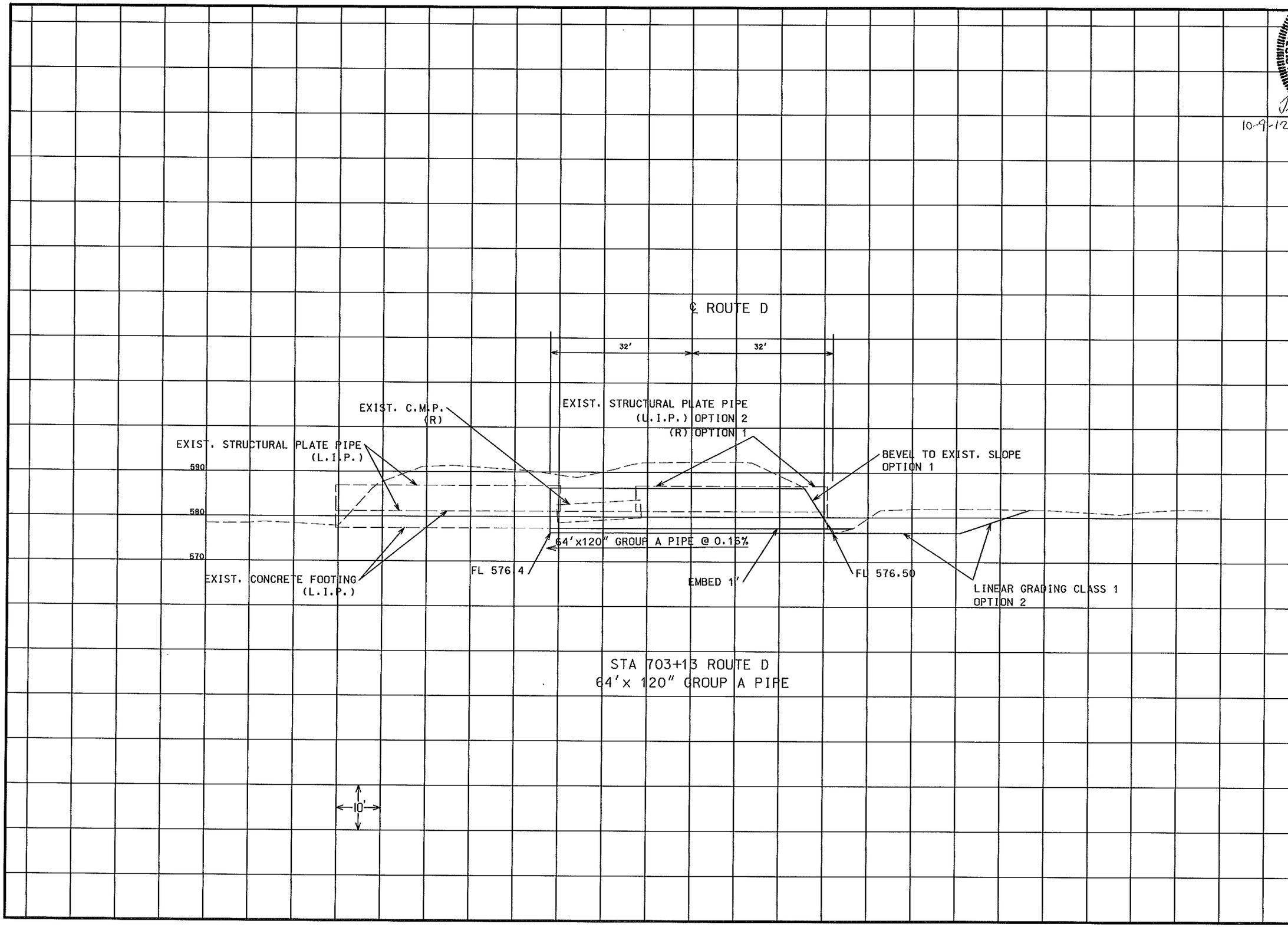
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REFERENCE POINT TIES & COORDINATE POINTS
SHEET 1 OF 1

REV. AUGUST 26, 2010



STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED	10/4/2012
ROUTE	D
STATE	MO
DISTRICT	SL
SHEET NO.	5
COUNTY	ST. CHARLES
JOB NO.	WRSCOODA
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

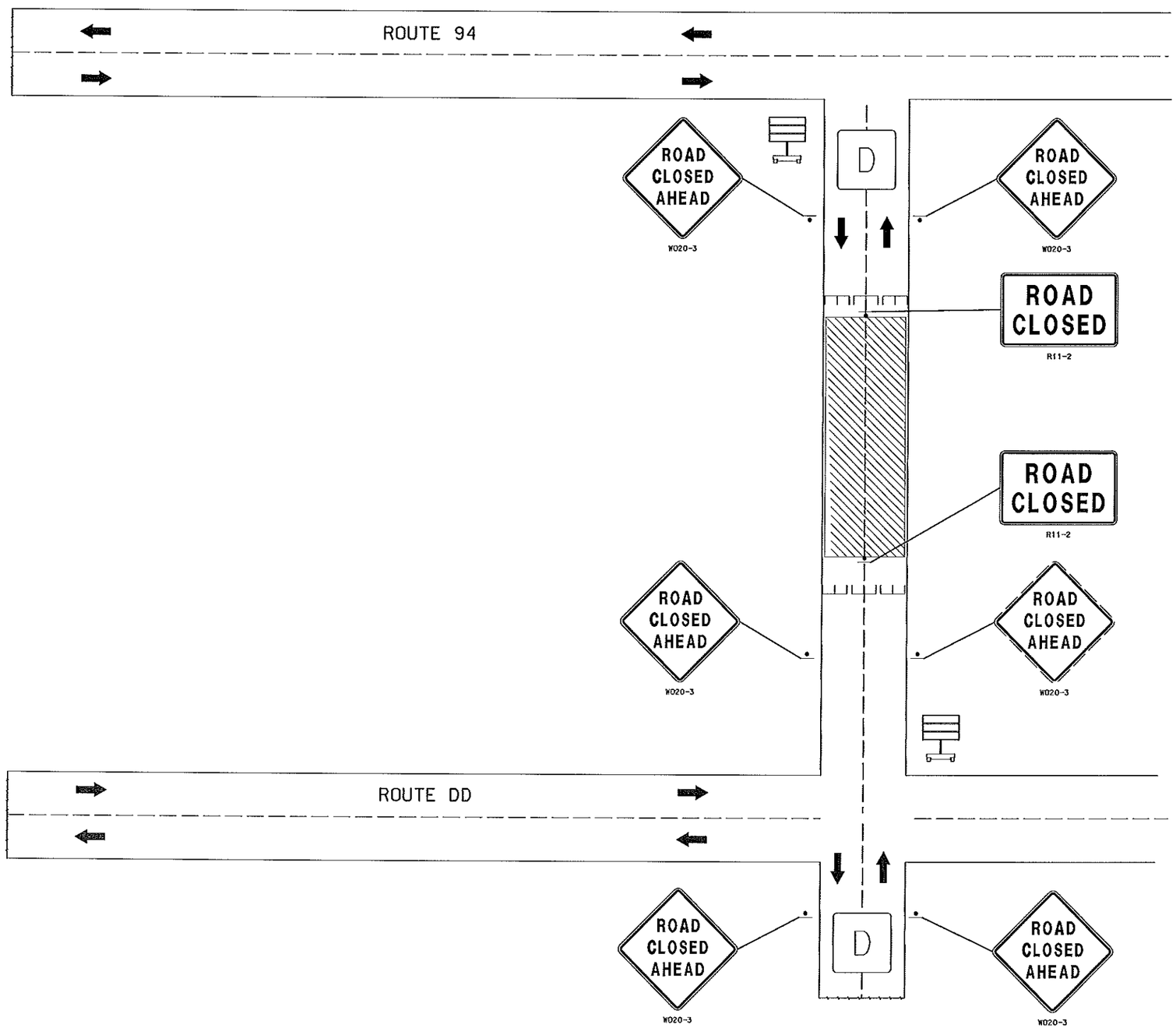
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CULVERT SECTION

SHEET 1 OF 1



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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- CHANGABLE MESSAGE BOARD
- BARRICADE

NOTES:

SEE STANDARD DRAWINGS 616.10 AND 903.02 FOR DETAILS AND ITEMS NOT SHOWN.

ALL EXISTING SIGNS IN CONFLICT WITH T.C.P. SHALL BE COVERED.

ALL SIGNS ON THIS SHEET SHALL BE NON-PORTABLE MOUNT UNLESS OTHERWISE NOTED.

ALL DETOUR SIGNS AND DEVICES SHALL BE COVERED OR OTHERWISE REMOVED WHEN CONTRACTOR'S OPERATIONS DO NOT REQUIRE ROAD CLOSURE.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING OR REMOVING SIGNS OR OTHER DEVICES.

500' SIGN SPACING TO BE USED BETWEEN SIGN ASSEMBLIES.

NOT TO SCALE

STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED	10/4/2012
ROUTE	D
STATE	MO
DISTRICT	SL
SHEET NO.	6
COUNTY	ST. CHARLES
JOB NO.	WRSCOODA
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN
ROAD CLOSURE
SHEET 1 OF 2

REV.

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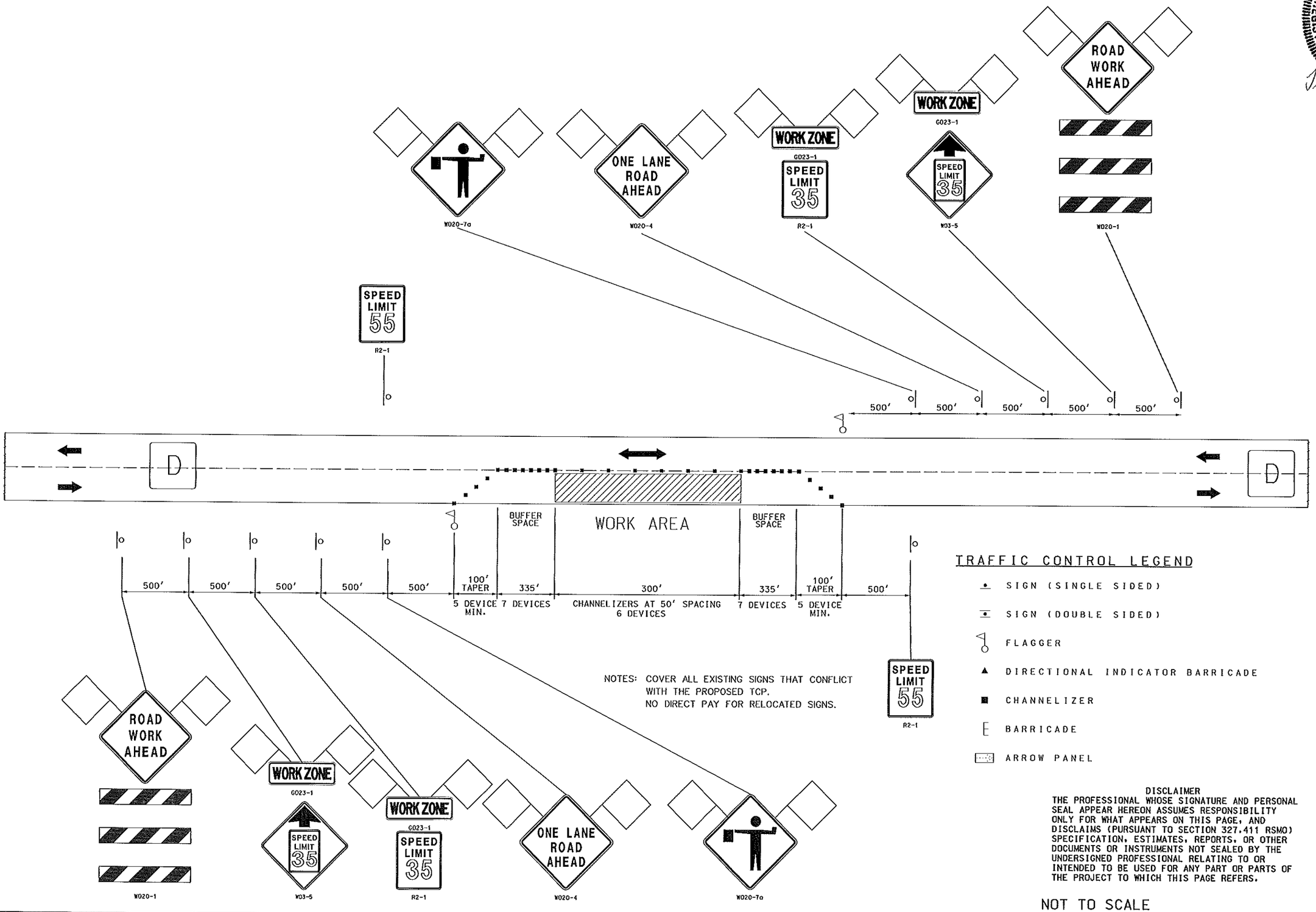

NOTES: COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP.
NO DIRECT PAY FOR RELOCATED SIGNS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- BARRICADE
- ARROW PANEL

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STATE OF MISSOURI
TIMOTHY J. SCHROEDER
NUMBER E-29739
REGISTERED PROFESSIONAL ENGINEER

10-9-12

DATE PREPARED	10/4/2012
ROUTE	D
STATE	MO
DISTRICT	SL
SHEET NO.	7
COUNTY	ST. CHARLES
JOB NO.	WRSCOODA
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN
SHEET 2 OF 2

REV.

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