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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

TENN.	YEAR	SHEET NO.
	2015	1
FED. AID PROJ. NO.	STP/HSIP-65(16)	
STATE PROJ. NO.	19043-8237-14	
STATE PROJ. NO.	19043-3237-94	

Index Of Sheets
Resurfacing

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED ROADWAY QUANTITIES
2A	TYPICAL SECTIONS AND PAVEMENT SCHEDULE
2B-2C	GENERAL NOTES AND SPECIAL NOTES
2D-2E	DETAILS FOR HANDICAP RAMPS
3-3I	ROADWAY/BIKEWAY MARKING PLAN

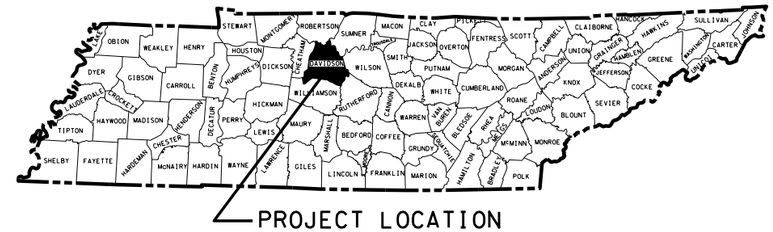
"NO PROJECT COMMITMENTS SHEETS INCLUDED IN THIS SET OF PLANS"
"NO UTILITY SHEETS"

DAVIDSON COUNTY

STATE ROUTE NO. 65
FROM WEST TRINITY LANE (L.M. 1.33)
TO NORTH OF LLOYD ROAD (L.M. 5.19)

RESURFACING

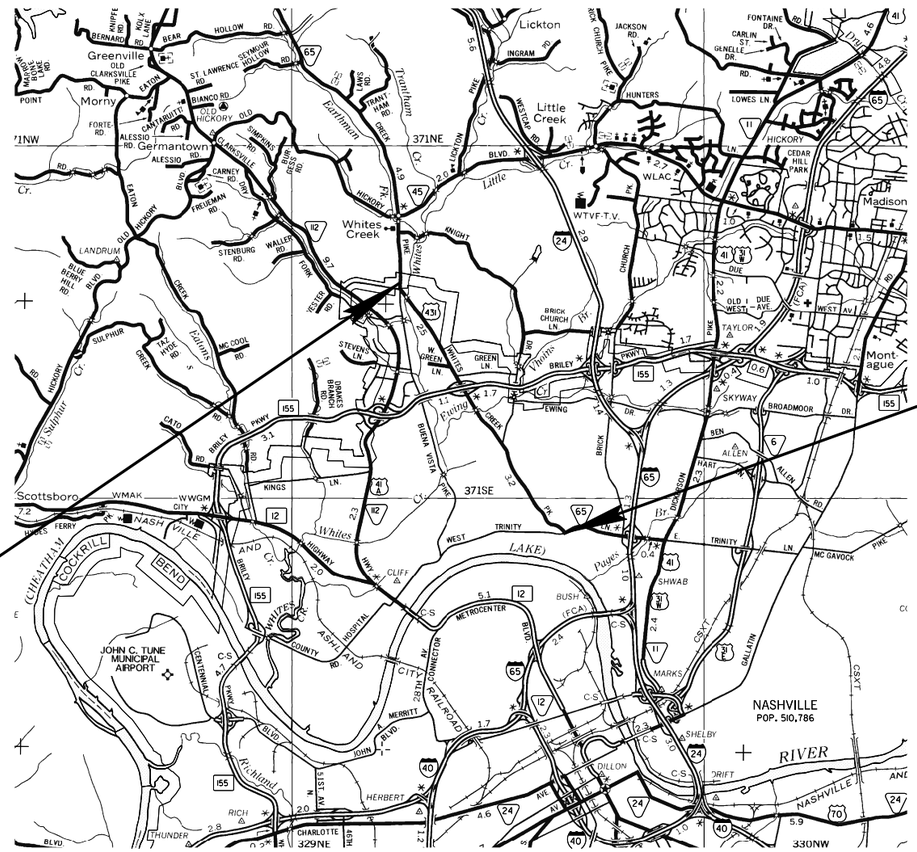
STATE HIGHWAY NO. 65 F.A.H.S. NO. 431



STANDARD ROADWAY DRAWINGS

DWG. NO.	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
ROADWAY AND PAVEMENT APPURTENANCES		
RP-H-3	01-30-15	HANDICAP RAMP AND TRUNCATED DOME SURFACE DETAIL
RP-H-5	01-30-15	PARALLEL CURB RAMP
RP-H-9	01-30-15	PARALLEL CURB RAMP TYPE 3 AND 4
SAFETY APPURTENANCES AND FENCE		
S-GR31-1	12-01-14	W-BEAM GUARDRAIL
S-GRT-2	11-03-14	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 TERMINAL (RETROFIT)
S-GRA-3		GUARDRAIL ANCHOR FOR TYPE 12, 13 AND IN-LINE TERMINALS
TRAFFIC CONTROL APPURTENANCES		
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	07-24-14	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-12	01-30-14	SIGNING AND PAVEMENT MARKINGS FOR URBAN BICYCLE LANES
T-M-13		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
T-M-14	11-01-11	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
T-M-16	01-30-15	ASPHALT SHOULDER RUMBLE STRIPE INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-16	06-05-14	GROUND MOUNTED ROADSIDE SIGN AND DETAILS
T-S-16A	11-01-11	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-SG-2	07-29-04	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	11-11-04	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

19043-8237-14
19043-3237-94
END PROJ. NO. STP/HSIP-65(16)
(L.M. 5.19)



SCALE: 1"= 1 MILE

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EXCLUSIONS	
LOCATION	LENGTH (FT.)
EWING CR. BRIDGE (L.M. 3.33)	148'
WHITES CR. BRIDGE (L.M. 5.03)	161.5'
T O T A L =	309.5'

19043-8237-14
19043-3237-94
BEGIN PROJ. NO. STP/HSIP-65(16)
(L.M. 1.33)

SEALED BY
SHANE M. HESTER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 110014
STATE OF TENNESSEE

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, 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 JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 2 SHANE HESTER, P.E.

DESIGNER DARRELL GRAY CHECKED BY NATHAN BARTLETT

P.E. NO. 98034-4299-04

PIN NO. 085065.01

TRAFFIC DATA	
ADT (2015)	9100
V	40 MPH

PROJECT LENGTH 3.80 MILES
TOTAL LANE MILES RESURFACED 7.6 MILES

UNOFFICIAL SET
NOT FOR BIDDING

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-65(16)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 19043-8237-14	SAFETY QUANTITY 19043-3237-94	TOTAL QUANTITY STP/HSIP-65(16)
1	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON		250	250
2	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	1500		1500
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	35		35
3,4	411-03.13	ACS MIX(PG70-22) THIN LIFT D ASPHALT	TON	3569		3569
	411-12.04	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4IN WIDTH)	L.M.		6	6
5,6	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	3168		3168
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.		150	150
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH		2	2
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH		6	6
	706-01	GUARDRAIL REMOVED	L.F.		100	100
7	712-01	TRAFFIC CONTROL	LS	1		1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	55		55
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	4		4
8	712-06	SIGNS (CONSTRUCTION)	S.F.	668		668
	712-08.03	ARROW BOARD (TYPE C)	EACH	2		2
	713-11.01	"U" SECTION STEEL POSTS	LB.		1225	1225
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2		2
9	713-16.20	SIGNS (R3-17) BIKE LANE	EACH		29	29
9	713-16.21	SIGNS (R3-17a) AHEAD	EACH		1	1
9	713-16.22	SIGNS (R3-17b) ENDS	EACH		4	4
9	713-16.23	SIGNS (W16-18) "FYG" NOTICE	EACH		1	1
9	713-16.24	SIGNS (R4-11) "MAY USE FULL LANE"	EACH		1	1
9	713-16.25	SIGNS (W11-1) "FYG"	EACH		5	5
9	713-16.26	SIGNS (W16-1) "FYG"	EACH		5	5
9	713-16.27	SIGNS (D11-1) BIKE ROUTE	EACH		2	2
9	713-16.28	SIGNS (M6-2) L/R	EACH		2	2
10	713-16.29	SIGNS (12"X36" OBJECT MARKER W/POST)	EACH		16	16
	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH		320	320
	716-01.22	SNWPLWBLE PVMT MRKRS (MONO-DIR)(1 COLOR)	EACH		83	83
11,13	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	250	15	265
11	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	170		170
11	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	20		20
11	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		165	165
11	716-03.05	PLASTIC WORD PAVEMENT MARKING (BIKE LANE)	EACH		1	1
11	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	3		3
11	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	1		1
11	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	18		18
11	716-04.15	PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED	EACH		46	46
12	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	21		21
	716-10.30	TRUNCATED DOME DETECTABLE WARNING MAT	S.F.		16	16
14,15	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	14.3		14.3
15	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.		6.6	6.6
15	716-13.04	SPRAY THERMO PVMT MRKNG (60 mil) (4IN DOTTED LINE)	L.F.	180		180
15	716-13.05	SPRAY THERMO PVMT MRKNG (60 mil) (6IN DOTTED LINE)	L.F.	3550		3550
	717-01	MOBILIZATION	LS	1		1
	730-14.02	SAW SLOT	L.F.	2700		2700
	730-14.03	LOOP WIRE	L.F.	5725		5725

FOOTNOTES

1. INCLUDES 250 TONS FOR GUARDRAIL TERMINAL PADS. TO BE USED AS DIRECTED BY THE ENGINEER.
2. TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT LEVELING.
3. INCLUDES 149 TONS FOR COUNTY ROADS, RAMPS, BUSINESS ENTRANCES, PRIVATE DRIVES AND FIELD ENTRANCES.
4. THE CONTRACTOR HAS THE OPTION OF USING THE PERFORMANCE GRADE MIX OR REGULAR ASPHALT ON THE PAVING OF DRIVEWAYS AND BUSINESS ENTRANCES.
5. COLD PLANE ADDITIONAL 150'X16' AND OVERLAY WITH THIN LIFT "D" AT BRILEY PARKWAY WB OFF RAMP TO WHITES CREEK PIKE.
6. FOR PROFILE MILLING, CONTRACTOR SHALL USE A MILLING MACHINE MEETING THE REQUIREMENT OF 415 AND HAVE A MINIMUM OF A 12' MILLING HEAD WITH A MAXIMUM OF 3/8" SPACING OF TEETH. CONTRACTOR SHALL USE GRADE CONTROLS ON MILLING MACHINE TO IMPROVE SMOOTHNESS OF THE ROAD.
7. THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORAIRILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING METHOD FROM A DESIGNATED LIST OF METHODS ACCEPTED BY THE DEPARTMENT. SAID SIGN COVERING METHOD SHALL BE SELECTED FROM QUALIFIED PRODUCTS LIST 10, SECTION D OR APPROVED BY THE DIVISION OF MATERIALS AND TEST AND SHALL BE USED TO COVER THESE SIGNS. NO OTHER METHOD FOR SIGN COVERING WILL BE ALLOWED. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-06 SIGNS (CONSTRUCTION).
9. SEE SHEETS 3 – 3I FOR LOCATIONS.
10. INCLUDES ALL COST TO ADD 12"X36" OBJECT MARKERS (OM3-L & OM3-R) W/ POST (8 LEFT & 8 RIGHT) AT BRIDGE AND CULVERT ENDS.
11. THE CONTRACTOR MAY ELECT TO SUBSITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
12. FOR TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS AND COLD PLANED SURFACES.
13. INCLUDES 15 S.Y. FOR CONSTRUCTION OF THE 3' BUFFER ZONE FOR THE BIKE LANE.
14. FOR CENTERLINE PAVEMENT MARKINGS (TWO LANE SECTION IS BASED ON 0 % PASS, 24 % NO PASS ONE SIDE AND 76 % NO PASS BOTH SIDES), AND FOR EDGE LINES.
15. SEE SPECIAL PROVISION 716ST FOR FINAL PAVEMENT MARKING DETAILS.

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
2	G20-1	ROAD WORK NEXT 6 MILES	64 x 24	22
2	G20-2	END ROAD WORK	48 x 24	16
2	W20-1	ROAD WORK 1500'	48 x 48	32
2	W20-1	ROAD WORK 1000'	48 x 48	32
2	W20-1	ROAD WORK 500'	48 x 48	32
16	W20-1	ROAD WORK AHEAD	48 x 48	256
2	W20-4	ONE LANE ROAD 1000' - PORTABLE	36 x 36	18
2	W4-2R	LANE CLOSED MERGE RIGHT	48 x 48	32
2	W4-2L	LANE CLOSED MERGE LEFT	48 x 48	32
2	W20-5R	RIGHT LANE CLOSED AHEAD	48 x 48	32
2	W20-5L	LEFT LANE CLOSED AHEAD	48 x 48	32
2	W20-7a	FLAGGER SYMBOL - PORTABLE	36 x 36	18
2	W16-2	SUPPLEMENTAL PLATE	24 x 18	6
2	W21-2	FRESH OIL - PORTABLE	36 x 36	18
2	W21-5	SHOULDER WORK - PORTABLE	36 x 36	18
2	W8-9a	SHOULDER DROP-OFF - PORTABLE	36 x 36	18
6	W8-11	UNEVEN LANES - PORTABLE	36 x 36	54
		TOTAL S.F.		668

OTHER SIGNS, AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION AND WILL BE MEASURED AND PAID FOR AT THE UNIT BID PRICE. SEE CURRENT M.U.T.C.D. FOR STANDARDS AND TYPICAL APPLICATIONS.

GUARDRAIL

LOCATION (L.M.)	SIDE LT	SIDE RT	GUARDRAIL SINGLE 705-02.02 (L.F.)	ANCHOR IN-LINE 705-04.05 (EACH)	ANCHOR TYPE 38 705-04.07 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)
4.165		X	50		2	25
4.165	X		50		2	25
4.580		X	25	1	1	25
4.580	X		25	1	1	25
			150	2	6	100

HANDICAP RAMPS

LOCATION	NEW	REPAIR	STD. DWG.	NEW 701-02.01 (S.F.)	REPAIR 716-10.30 (S.F.)
TONEY RD		2	RP-H-3, RP-H-5, RP-H-9	0	16
TOTAL				0	16

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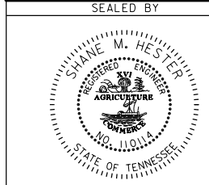

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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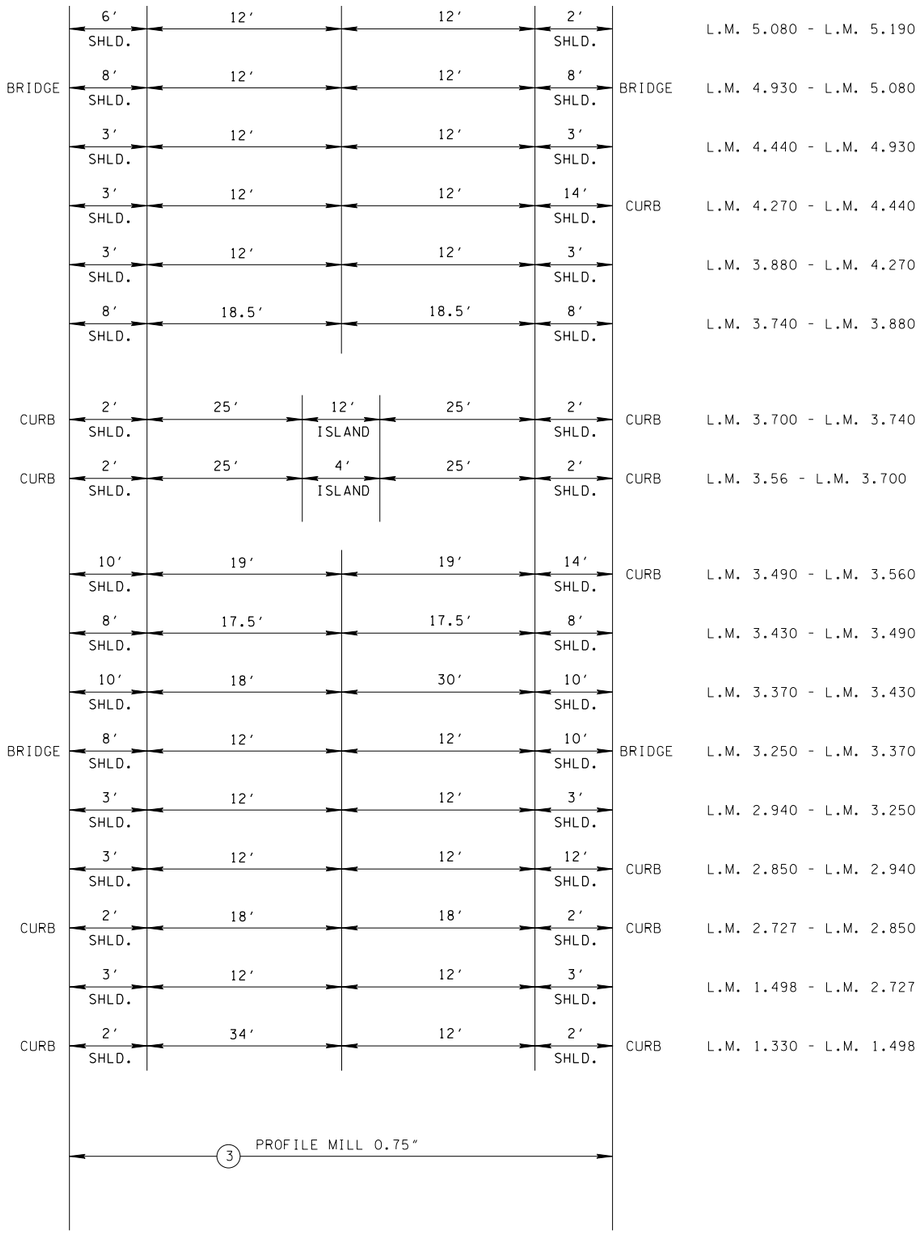
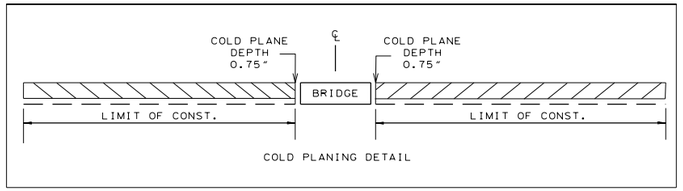
R.O.W.	2015	STP/HSIP-65(16)	2A



TYPICAL SECTION

PAVING SCHEDULE

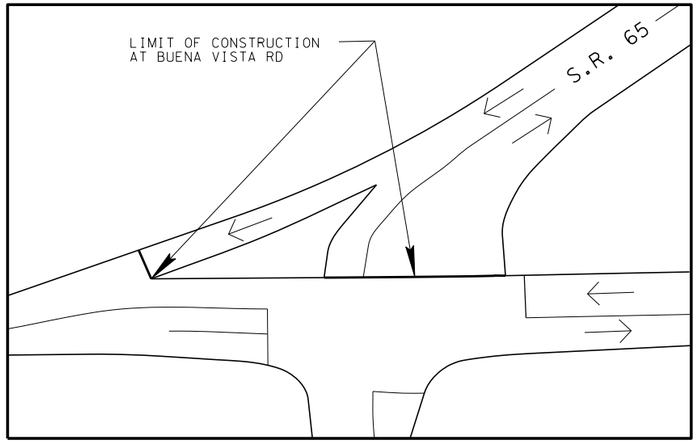
1	GRADING "D" SURFACE @ 0.75" THICK (APPROX. 85.0 LBS/SY) 411-03.13 ACS MIX (PG70-22) THIN LIFT D ASPHALT
2	TACK COAT @ 0.10 GAL/SY (COLD PLANED SURFACE) 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
3	COLD PLANING BITUMINOUS PAVEMENT @ 0.75" THICK (APPROX. 78.75 LBS/SY) 415-01.01 COLD PLANING BITUMINOUS PAVEMENT (PROFILE MILL)



COLD PLANING DETAIL

• SPECIAL PAVING NOTE •

ALL SHOULDERS WILL BE DEGRASSED / CLIPPED AND CLEANED OF ALL VEGETATION, GRASS, AND DEBRIS. SEE SPECIAL NOTES. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.



BRIDGE NOTES

LOCATION	BRIDGE NO.	LENGTH (FT.)	RECOMMENDATION
L.M. 3.33	19SR0650001	148	LEAVE AS IS
L.M. 3.63	19SR06500009	0	UNDERPASS (17.25' VERT.CLEARANCE)
L.M. 5.03	19SR0650003	161.5	LEAVE AS IS

UTILITY ADJUSTMENTS

TYPE	OWNER	NUMBER
SEWER MANHOLE	METRO WATER / SEWER	2
TELEPHONE MANHOLE	AT&T	0
GAS VALVE	PIEDMONT GAS COMPANY	1
WATER VALVE	METRO WATER / SEWER	50

STATE STORM DRAIN ADJUSTMENTS

CATCHBASINS	0
MANHOLES	0

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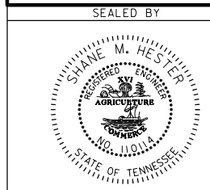

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-65(16)	2B

GENERAL NOTES

GUARDRAIL

(1) THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.

UTILITIES

(2) 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.

(3) 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.

(4) 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.

(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.

MISCELLANEOUS

(6) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.

(7) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS

(8) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

FINAL PAVEMENT MARKING IF 4" SPRAY THERMOPLASTIC (60 mil) IS USED

(9) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" SPRAY THERMOPLASTIC (60 mil) INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-13.01, SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

FINAL PAVEMENT MARKING IF 6" SPRAY THERMOPLASTIC (60 mil) IS USED

(10) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" SPRAY THERMOPLASTIC (60 mil) INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-13.02, SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

PAVEMENT

PAVING

(11) THE CONTRACTOR SHALL BE REQUIRED TO PAVE AND COLD PLANE IN THE DIRECTION OF TRAFFIC.

RESURFACING

(12) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(13) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.

(14) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.

(15) ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS SHALL BE RESURFACED TO THE END OF RADIUS. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD SHALL BE PROVIDED.

(16) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.

(17) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.

SIGNING

(18) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL CONSTRUCTION OFFICE.

(19) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.

(20) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.

SIGNALIZATION

(21) IF RESURFACING IS INCLUDED IN THE PROJECT, SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.

(22) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANING ACTIVITY AT SIGNALIZED INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.

(23) LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE IF A LEVELING COURSE IS PROVIDED.

(24) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

(25) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.

(26) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.

(27) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.

(28) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

(29) USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

(30) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF A OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE.. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

(31) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-65(16)	2C

GENERAL NOTES (CONTINUED)

EROSION PREVENTION AND SEDIMENT CONTROL

LITTER, DEBRIS, WASTE, PETROLEUM

(32) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS. AFTER USE, MATERIALS USED FOR EPSC WILL BE REMOVED FROM THE SITE.

(33) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

SPECIAL NOTES

UTILITIES

(1) AT THE CLOSE OF DAILY OPERATION ALL UTILITY COVERS, RIMS AND BOXES AS WELL AS CATCHBASINS IN THE TRAVELED WAY SHALL BE LEFT IN A SAFE CONDITION. UNDER NO CIRCUMSTANCES SHALL ANYTHING BE LEFT IN SUCH A HAZARDOUS CONDITION AS TO CAUSE DAMAGE TO VEHICLES OR ACCIDENTS. THE CONTRACTOR SHALL ACCEPT FULL RESPONSABILITY FOR ANY DAMAGE TO VEHICILES OR PERSONAL INJURIES RESULTING FROM HIS FAILURE TO EITHER DEFINE THE LOCATION OR PROTECT THE OBSTACLE BY RAMPING AROUND IT WITH BITUMINOUS MATERIAL.

(2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ANY MANHOLE, WATER VALVE OR CATCHBASIN COVERS THAT ARE NECESSARY IN ORDER TO PERFORM THE REQUIRED WORK. THE REMOVAL AND REPLACEMENT OF THESE COVERS WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PROVIDED PAY ITEMS.

(3) ADJUSTMENTS OF UTILITIES SHALL NOT BE PERFORMED UNTIL PLACEMENT OF SPOT LEVELING BUT PRIOR TO PLACEMENT OF FINAL SURFACE.

MISCELLANEOUS

(4) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK AND INCLUDE ALL COSTS THEREOF IN THE PRICES BID FOR OTHER ITEMS OF CONSTRUCTION:

1. REPAIR OF SHOULDERS AND DITCHES THROUGHOUT THE LENGTH OF THE PROJECT.
2. DEGRASS ALL SHOULDERS, MATERIAL SHALL BE PICKED UP AND REMOVED.
3. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT.
4. CLEANING AND STRAIGHTENING ENDS OF EXISTING SIDEDRAINS AND CROSSDRAINS WHERE DIRECTED BY THE ENGINEER.

(5) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS, BEFORE CLEANING OUT, REPAIRING OR REMOVAL/REPLACEMENT OF SIDE DRAINS AND CROSS DRAINS, TO ENSURE THAT THE DRAINAGE FEATURES / WATERCOURSES ARE NOT STREAMS OR WETLANDS. IF THE CONTRACTOR / TDOT INSPECTOR IS UNSURE WHETHER THE DRAINAGE FEATURES ARE STREAMS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION TO OBTAIN THE APPROPRIATE PERMITS.

(6) THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND EXISTING GUARDRAIL, HIGHWAY SIGNS, OR ANY DEPARTMENT OF TRANSPORTATION STRUCTURE TO AVOID DAMAGE DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE WILL BE REPLACED OR REPAIRED AT HIS OWN EXPENSE.

PAVEMENT MARKINGS

(7) THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH AND LOCATE ALL NO-PASSING ZONES. THE ESTABLISHMENT OF NO-PASSING ZONES IS TO BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009, PART III, MARKING. ALL NO-PASSING ZONES WILL BE APPROVED BY THE ENGINEER WITH ADVICE FROM THE REGIONAL TRAFFIC ENGINEER PRIOR TO THE MARKING APPLICATION.

(8) THE CONTRACTOR IS TO USE THE ROADWAY/BIKEWAY PLAN PROVIDED BY METRO PUBLIC WORKS ON SHEETS 3-3I FOR PROPOSED LANE MARKING AND SIGN LOCATIONS AS DIRECTED BY THE ENGINEER.

PAVEMENT

PAVING

(9) SURFACE TO BE CROWNED AS DIRECTED BY THE ENGINEER.

(10) ALL STRUCTURES (DRAINAGE STRUCTURES, MANHOLES, UTILITY BOXES, ETC.) SHALL HAVE A FINISHED GRADE COMPATIBLE WITH THE FINISHED GRADE OF THE ROADWAY.

RESURFACING

(11) DURING COLD PLANING OPERATION, A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION WILL REMAIN OPEN.

(12) AFTER ANY COLD PLANING OPERATION, TEMPORARY STRIPING WILL BE REQUIRED BEFORE RETURNING TRAFFIC ONTO EXCAVATED ROADWAY.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

(13) THE CONSTRUCTION SIGNS, FLAGMEN AND OTHER TRAFFIC CONTROL DEVICES WILL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

(14) ONE ADVANCE ROAD CONSTRUCTION AHEAD SIGN IS TO BE PLACED ON ALL SIDE ROADS PRIOR TO THEIR INTERSECTION WITH THE PROPOSED PROJECT. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OR CONTRACTORS SUPERINTENDENT.

EROSION PREVENTION AND SEDIMENT CONTROL

FOR GUARDRAIL TERMINALS

(15) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CONSTRUCTING EARTH PADS FOR THE TYPE 38 TERMINALS TO ENSURE THAT ENVIRONMENTAL FEATURES (STREAMS, WETLANDS, OR SPRINGS) ARE NOT IMPACTED DURING CONSTRUCTION. IF THE CONTRACTOR / TDOT INSPECTOR IS UNSURE WHETHER THE ENVIRONMENTAL FEATURES ARE STREAMS, SPRINGS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION ECOLOGY OR PERMITS SECTION SO AN ACCURATE DETERMINATION CAN BE ASSESSED.

(16) DURING CONSTRUCTION OF THE EARTH PADS FOR THE TYPE 38 GUARDRAIL TERMINALS, EXISTING VEGETATION WILL BE REQUIRED TO BE REMOVED FOR THE PROPOSED PAD AND SLOPES. IF DURING THE VEGETATION REMOVAL, ANY TREES GREATER THAN 3 INCHES IN DIAMETER ARE REQUIRED TO BE REMOVED, CONTACT THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION IMMEDIATELY. DUE TO THE RECENT MODIFICATION OF THE USFWS STANCE REGARDING THE INDIANA BAT NO TREES > 3" DBH SHOULD BE CUT WITHOUT CLEARANCE FROM THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION.

NPDES

(17) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS, BEFORE CLEANING OUT OR REMOVAL/REPLACEMENT OF DITCHES, SIDE DRAINS, AND CROSS DRAINS, TO ENSURE THAT THE DRAINAGE FEATURES / WATERCOURSES ARE NOT STREAMS OR WETLANDS. IF THE CONTRACTOR / TDOT INSPECTOR IS UNSURE WHETHER THE DRAINAGE FEATURES ARE STREAMS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION TO OBTAIN THE APPROPRIATE PERMITS.

(18) DUE TO THE TYPE OF WORK IT IS OUR UNDERSTANDING THAT THE PROJECT WILL NOT DISTURB MORE THAN ONE ACRE. IF THE DISTURBED AREA IS MORE THAN ONE ACRE, PLEASE CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION BECAUSE A NPDES PERMIT WILL BE REQUIRED.

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

(19) DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES:

   a. WARNING SIGNS, UNEVEN PAVEMENT (W8-11) AND/OR SHOULDER DROP-OFF (W8-9A), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

WORK RESTRICTIONS

(20) DAYTIME WORK ONLY 9 AM TO 3 PM.

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GENERAL NOTES AND SPECIAL NOTES

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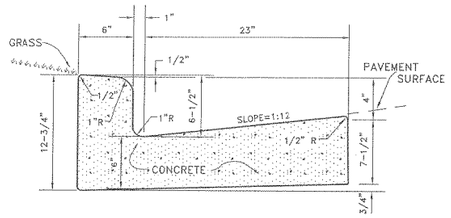
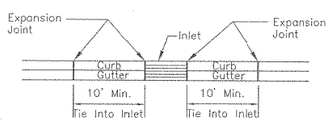
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-65(16)	2D



TYPICAL CROSS - SECTION



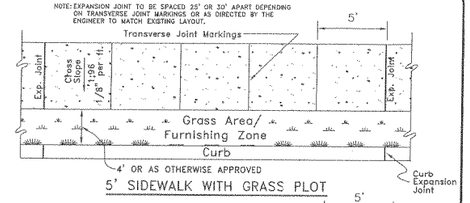
FRONT VIEW

GENERAL NOTES
1. Expansion joints to be spaced a maximum of 100 feet apart or as directed by the Engineer.
2. Expansion joints will also be required at tangent points, ramps, and inlets.
3. Contraction joints are to be cut into curb and gutter every 10 feet to a depth of D/4, where D equals the thickness of the section. The spacing of 10 feet may be reduced at closures but no section of curb and gutter shall be less than 10 feet.
4. There will be a minimum of 10 feet tie in at curb inlets on each side of the inlet. An expansion joint will be used on each side of the tie in.
5. Cost of contraction joints to be included in the unit bid price for concrete curb with gutter.

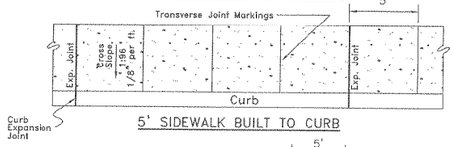
NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	STANDARD CURB WITH GUTTER	DWG. NO. ST-200
DIR. OF ENG.: Mark Macy DATE: 5/10/03		REVISED: 07/21/00 REVISED: 05/02/03 REVISED:

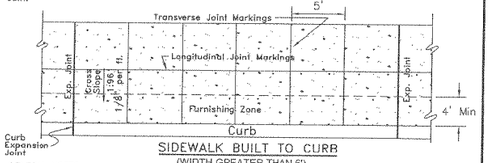
NOTE: EXPANSION JOINT TO BE SPACED 25' OR 30' APART DEPENDING ON TRANSVERSE JOINT MARKINGS OR AS DIRECTED BY THE ENGINEER TO MATCH EXISTING LAYOUT.



5' SIDEWALK WITH GRASS PLOT



5' SIDEWALK BUILT TO CURB

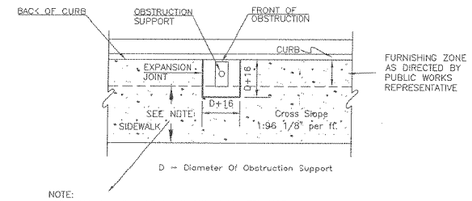


SIDEWALK BUILT TO CURB
(WIDTH GREATER THAN 6')

GENERAL NOTES
1. SIDEWALKS SHALL BE A MINIMUM OF 4 INCHES IN THICKNESS.
2. MAXIMUM CROSS SLOPE FOR SIDEWALKS SHALL NOT EXCEED 1:48 (VERTICAL:HORIZONTAL).
3. SIDEWALK SHALL BE CONSTRUCTED OF WHITE CONCRETE, BRICK, OR EXPOSED AGGREGATE PER METRO DEPARTMENT OF PUBLIC WORKS TECHNICAL SPECIFICATIONS, SECTION 02523.
4. COMPACTED STONE BASE, PUG MILL MIX, 4" THICK SHALL BE APPLIED TO SUB GRADE PRIOR TO INSTALLING SIDEWALK.
5. FURNISHING ZONE IS AN AREA FOR OBSTRUCTIONS IN THE SIDEWALK. EXAMPLES ARE OUTDOOR CAFES, POWER POLES, FIRE HYDRANTS, SIGNS, ETC.
6. IN THE EVENT OF ANY CONFLICT, DISCREPENCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.

NTS

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	SIDEWALK CONSTRUCTION	DWG. NO. ST-210
DIR. OF ENG.: Mark Macy DATE: 7/15/04		REVISED: 05/02/03 REVISED: 11/24/03 REVISED: 06/23/04



NOTE:
36" MINIMUM FOR EXISTING SIDEWALK MAINTENANCE
60" NEW SIDEWALK CONSTRUCTION

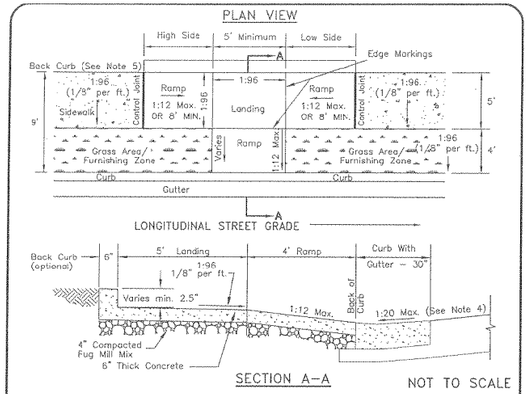
GENERAL NOTES:

1. SEE STANDARD DRAWINGS ST-209 AND ST-210 FOR EXPANSION JOINT LAYOUT, TRANSVERSE JOINT MARKINGS LAYOUT, FURNISHING ZONE, LAYOUT VARIATIONS FOR SIDEWALKS AND FURNISHING ZONE, AND GENERAL NOTES FOR SIDEWALK CONSTRUCTION.
2. ONE-HALF INCH EXPANSION JOINT MATERIAL TO BE USED.
3. COMPACTED STONE BASE, PUG MILL MIX, 4" THICK SHALL BE APPLIED TO SUBGRADE PRIOR TO INSTALLING SIDEWALK.
4. CROSS-SLOPE OF SIDEWALK SHALL NOT EXCEED 1:48 (VERTICAL:HORIZONTAL).
5. OBSTRUCTIONS NOT ALLOWED IN NEW RIGHTS-OF-WAY.
6. IN THE EVENT OF ANY CONFLICT, DISCREPENCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.

NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	OBSTRUCTION IN SIDEWALK	DWG. NO. ST-211
DIR. OF ENG.: Mark Macy DATE: 7/15/04		REVISED: 11/24/03 REVISED: 02/17/04 REVISED: 06/23/04

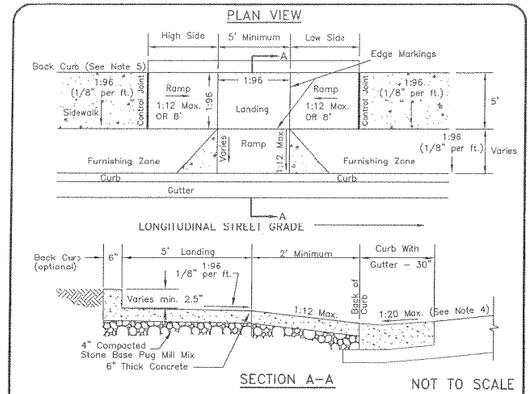
NOTE
DAVIDSON COUNTY IS UNDER COURT ORDER TO REPORT ANY WORK INVOLVING ADA HANDICAP RAMPS IN METRO NASHVILLE. THIS WORK MUST BE REPORTED TO THE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION. CONTACT MR. RICK KIRCKPATRICK AT (615) 862-8635 PRIOR TO CONSTRUCTION.



NOT TO SCALE

GENERAL NOTES
1. Ramp shall be flush with the gutter or edge of pavement.
2. Cross-slope of landing and of sidewalk shall not exceed 1:48 (vertical:horizontal).
3. Surface texture of the curb ramp shall be stable, firm, and slip-resistant. The surface shall be coarse broomed "white" concrete finish transverse to the slope of the ramp.
4. The normal gutter slope of 1:12 (vertical:horizontal) shall be reduced to 1:20 (vertical:horizontal) at the ramp when the curb and gutter is poured before the ramp, or the gutter at the ramp must be cut out, removed, and repoured when the ramp is poured.
5. Back curb shall be constructed at the direction of Public Works, and if required, back curb height along ramp shall transition from 0 inches at expansion joints to the proposed height of back curb at landing and shall be a constant height through landing. Deletion of back curb requires approval of inspector. Removal to be noted in project file and on inspection report.
6. High side and low side ramps shall have a maximum slope of 1:12 (vertical:horizontal) or shall be 8 feet (96 inches) minimum in length.

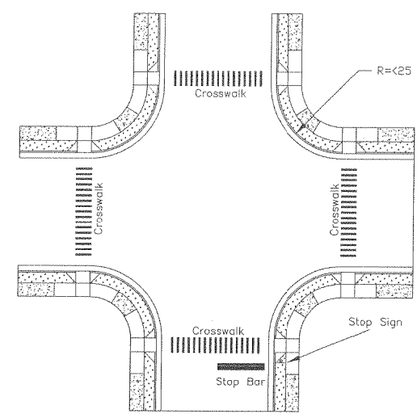
METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	NEW CONSTRUCTION CURB RAMP	DWG. NO. ST-320
DIR. OF ENG.: Mark Macy DATE: 5/10/03		REVISED: 07/18/02 REVISED: 05/08/03 REVISED:



NOT TO SCALE

GENERAL NOTES
1. Ramp shall be flush with the gutter or edge of pavement.
2. Cross-slope of landing and of sidewalk shall not exceed 1:48 (vertical:horizontal).
3. Surface texture of the curb ramp shall be stable, firm, and slip-resistant. The surface shall be coarse broomed "white" concrete finish transverse to the slope of the ramp.
4. The normal gutter slope of 1:12 (vertical:horizontal) shall be reduced to 1:20 (vertical:horizontal) at the ramp when the curb and gutter is poured before the ramp, or the gutter at the ramp must be cut out, removed, and repoured when the ramp is poured.
5. Back curb shall be constructed at the direction of Public Works, and if required, back curb height along ramp shall transition from 0 inches at expansion joints to the proposed height of back curb at landing and shall be a constant height through landing. Deletion of back curb requires approval of inspector. Removal to be noted in project file and on inspection report.
6. High side and low side ramps shall have a maximum slope of 1:12 (vertical:horizontal) or shall be 8 feet (96 inches) in length.

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	ALTERATION CONSTRUCTION CURB RAMP WITH SIDEWALK LESS THAN 9 FEET	DWG. NO. ST-321
DIR. OF ENG.: Mark Macy DATE: 7/15/04		REVISED: 06/30/03 REVISED: 07/31/02 REVISED: 05/08/03

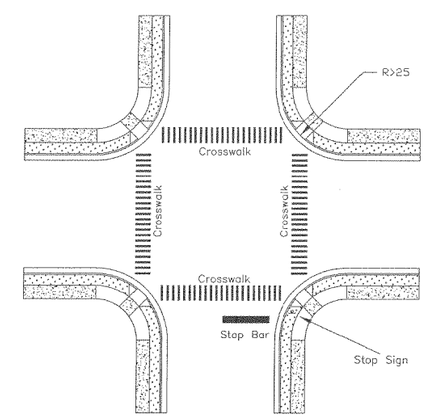


GENERAL NOTES

1. GEOMETRIC LAYOUT IS FOR CURB RADIUS EQUAL TO OR LESS THAN 25'.
2. SEE NOTES FOR GEOMETRIC LAYOUT AT CURB (ST-328)
3. IN THE EVENT OF ANY CONFLICT, DISCREPENCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.

NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	GEOMETRIC LAYOUT AT CURB RETURNS WITH RADIUS 25' OR LESS	DWG. NO. ST-326
DIR. OF ENG.: Mark Macy DATE: 7/15/04		REVISED: 11/24/03 REVISED: 02/17/04 REVISED: 06/23/04



GENERAL NOTES

1. GEOMETRIC LAYOUT IS FOR CURB RADIUS GREATER THAN 25'.
2. SEE NOTES FOR GEOMETRIC LAYOUT AT CURB (ST-328)
3. IN THE EVENT OF ANY CONFLICT, DISCREPENCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.

NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	GEOMETRIC LAYOUT AT CURB RETURNS WITH RADIUS GREATER THAN 25'	DWG. NO. ST-327
DIR. OF ENG.: Mark Macy DATE: 7/15/04		REVISED: 11/24/03 REVISED: 02/17/04 REVISED: 06/23/04

UNOFFICIAL SET

NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAILS FOR HANDICAP RAMPS

DAVIDSON COUNTY STANDARD DRAWINGS

DETAILS FOR HANDICAP RAMPS

SHEET 1 OF 2

29-APR-2015 14:57
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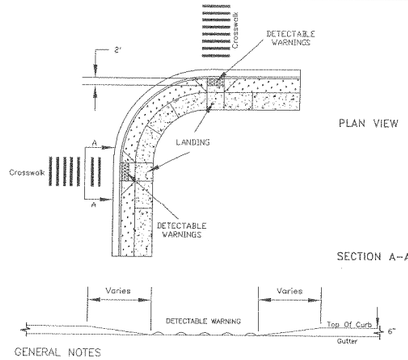
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP/HSIP-65(16)	2E

NOTES:

1. SEE CURB RAMP STANDARD DRAWINGS FOR CONSTRUCTION DETAILS.
2. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS.
3. ALL MARKINGS TO CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC.
5. ALL SIGNS SHALL BE 3M HIGH INTENSITY REFLECTIVE MATERIAL.
6. STOP LINE TO BE MARKED WHEN REQUIRED BY METRO ENGINEER.
7. CROSSWALKS TO BE MARKED WHEN REQUIRED BY THE METRO ENGINEER.
8. IN THE EVENT OF ANY CONFLICT, DISCREPENCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	GEOMETRIC LAYOUT AT CURB NOTES	DWG. NO. ST-328
DIR. OF ENG.: Mark Macy DATE: 5/2/07	REVISED: 11/10/00 REVISED: 06/23/04 REVISED: 05/02/07	

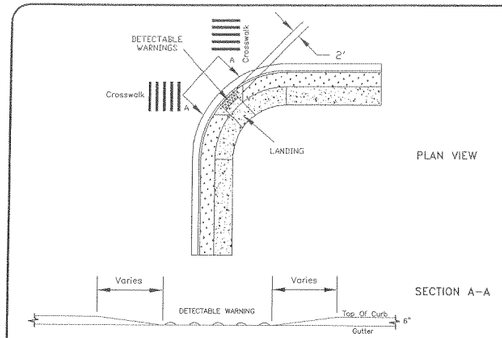


GENERAL NOTES

1. FOR CURB RADIUS EQUAL TO OR LESS THAN 25'.
2. SEE CURB RAMP STANDARD DRAWINGS FOR CONSTRUCTION DETAILS.
3. ALL MARKINGS TO CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. THE LAYOUT, SIZE, DIMENSIONS, HEIGHT OF THE DETECTABLE WARNINGS SHALL MEET THE LATEST DESIGN STANDARDS AS ISSUED BY THE ACCESS BOARD.
5. THE DETECTABLE WARNINGS AND INSTALLATIONS SHALL MEET THE MPW SPECIFICATION 02523.
6. IN THE EVENT OF ANY CONFLICT, DISCREPANCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.
7. THE COLOR OF THE DETECTABLE WARNING STRIP SHALL BE "SAFETY YELLOW".

NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	DETECTABLE WARNINGS AT CURB RETURNS WITH RADIUS 25' OR LESS	DWG. NO. ST-329
DIR. OF ENG.: Mark Macy DATE: 6/17/05	REVISED: 06/17/05 REVISED: 08/13/04 REVISED:	



GENERAL NOTES

1. FOR CURB RADIUS GREATER THAN 25'.
2. SEE CURB RAMP STANDARD DRAWINGS FOR CONSTRUCTION DETAILS.
3. ALL MARKINGS TO CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. THE LAYOUT, SIZE, DIMENSIONS, HEIGHT OF THE DETECTABLE WARNINGS SHALL MEET THE LATEST DESIGN STANDARDS AS ISSUED BY THE ACCESS BOARD.
5. THE DETECTABLE WARNINGS AND INSTALLATIONS SHALL MEET THE MPW SPECIFICATION 02523.
6. IN THE EVENT OF ANY CONFLICT, DISCREPANCY, OR INCONSISTENCY AMONG THE PLANS AND THESE STANDARD DETAILS, THE REQUIREMENTS OF THE STANDARD DETAILS SHALL GOVERN.
7. THE COLOR OF THE DETECTABLE WARNING STRIP SHALL BE "SAFETY YELLOW".

NOT TO SCALE

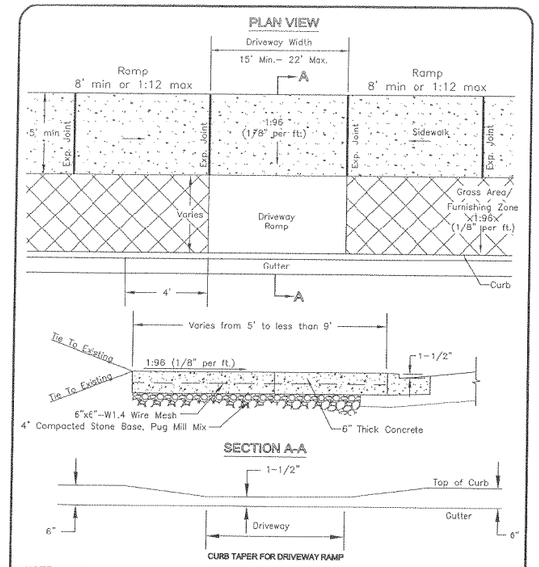
METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	DETECTABLE WARNINGS AT CURB RETURNS WITH RADIUS GREATER THAN 25'	DWG. NO. ST-330
DIR. OF ENG.: Mark Macy DATE: 6/17/05	REVISED: 06/17/05 REVISED: 08/13/04 REVISED:	

NOTE
DAVIDSON COUNTY IS UNDER COURT ORDER TO REPORT ANY WORK INVOLVING ADA HANDICAP RAMPS IN METRO NASHVILLE. THIS WORK MUST BE REPORTED TO THE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION. CONTACT MR. RICK KIRCKPATRICK AT (615) 862-8635 PRIOR TO CONSTRUCTION.

NOTES:

1. CURB RAMPS SHALL BE PROVIDED TO ALLOW ALL USERS TO MAKE THE TRANSITION IN GRADE FROM THE STREET TO THE SIDEWALK.
2. CURB RAMPS SHALL BE CONSTRUCTED TO THE DIMENSIONS AND FINISHED ELEVATIONS AS SPECIFIED IN THE PLANS AND/OR CONTRACT DOCUMENTS AND SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. SURFACE TEXTURE OF THE CURB RAMP SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. THE SURFACE SHALL BE COARSE BROOMED FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. CARE SHALL BE TAKEN TO ASSURE AN UNIFORM GRADE ON THE CURB RAMP. LONGITUDINAL AND TRANSVERSE JOINT MARKINGS SHALL NOT BE ALLOWED ON THE LANDINGS OR RAMPS.
3. DRAINAGE AND UTILITY STRUCTURES SHALL NOT BE PLACED IN CURB RAMP OR LANDING.
4. THE GUTTER LINE PROFILE OF THE STREET SHALL BE MAINTAINED THROUGH THE AREA OF THE CURB RAMP.
5. THE FURNISHING ZONE BUFFERS PEDESTRIANS FROM THE ADJACENT ROADWAY, AND IS ALSO THE AREA WHERE ELEMENTS SUCH AS STREET TREES, SIGNAL POLES, UTILITY POLES, STREET LIGHTS, CONTROLLER BOXES, HYDRANTS, SIGNS, PARKING METERS, DRIVEWAY APRONS, GRATES, HATCH COVERS, AND STREET FURNITURE ARE PROPERLY LOCATED.

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	STANDARD CURB RAMP NOTES	DWG. NO. ST-215

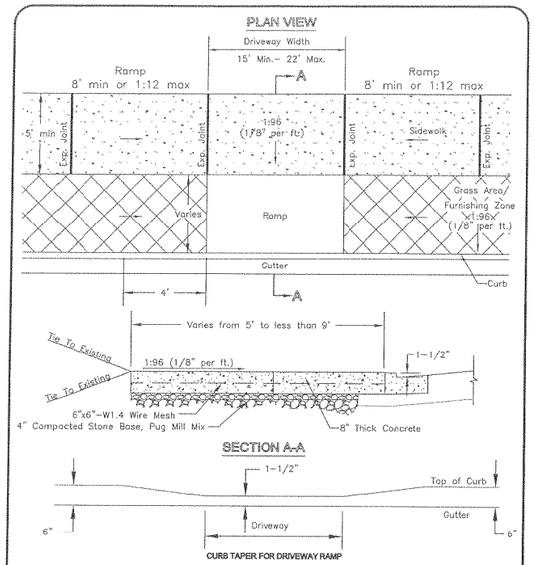


CURB TAPER FOR DRIVEWAY RAMP

NOTE: 1. Cross-slope of sidewalk shall not exceed 1:48 (vertical:horizontal).
2. Fiber mesh reinforcement is an approved alternative for the wire mesh. Fiber mesh reinforcement will be added to the concrete at the batch plant at the rate of 1 1/2 pounds per cubic yard.
3. Concrete shall be 6 inches thick.

NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	ALTERATION CONSTRUCTION RESIDENTIAL DRIVEWAY RAMP WITH SIDEWALK LESS THAN 9 FEET	DWG. NO. ST-323
DIR. OF ENG.: Mark Macy DATE: 5/12/03	REVISED: 01/27/03 REVISED: 05/08/03 REVISED:	

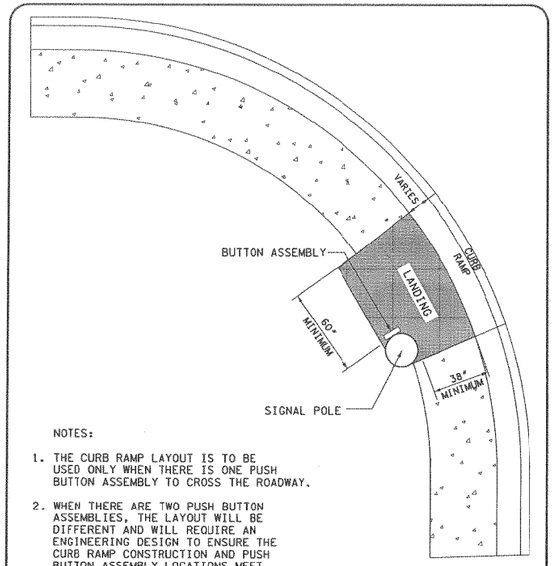


CURB TAPER FOR DRIVEWAY RAMP

NOTE: 1. Cross-slope of sidewalk shall not exceed 1:48 (vertical:horizontal).
2. Fiber mesh reinforcement is an approved alternative for the wire mesh. Fiber mesh reinforcement will be added to the concrete at the batch plant at the rate of 1 1/2 pounds per cubic yard.
3. Concrete shall be 8 inches thick.

NOT TO SCALE

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	ALTERATION CONSTRUCTION COMMERCIAL DRIVEWAY RAMP WITH SIDEWALK LESS THAN 9 FEET	DWG. NO. ST-325
DIR. OF ENG.: Mark Macy DATE: 5/12/03	REVISED: 01/27/03 REVISED: 05/08/03 REVISED:	



NOTES:

1. THE CURB RAMP LAYOUT IS TO BE USED ONLY WHEN THERE IS ONE PUSH BUTTON ASSEMBLY TO CROSS THE ROADWAY.
2. WHEN THERE ARE TWO PUSH BUTTON ASSEMBLIES, THE LAYOUT WILL BE DIFFERENT AND WILL REQUIRE AN ENGINEERING DESIGN TO ENSURE THE CURB RAMP CONSTRUCTION AND PUSH BUTTON ASSEMBLY LOCATIONS MEET ADA. ASSISTANCE CAN BE PROVIDED BY THE PUBLIC WORKS ADA COORDINATOR, LEE R. KENDERDINE, P.E.

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	CURB RAMP AT A SIGNAL POLE	DWG. NO. ST-___
DIR. OF ENG.: _____ DATE: _____	REVISED: REVISED: REVISED:	

UNOFFICIAL SET

NOT FOR BIDDING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAILS FOR HANDICAP RAMPS

DAVIDSON COUNTY STANDARD DRAWINGS

DETAILS FOR HANDICAP RAMPS

SHEET 2 OF 2

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METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

DEPARTMENT OF PUBLIC WORKS

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14

NO EXCLUSIONS

NO EQUATIONS

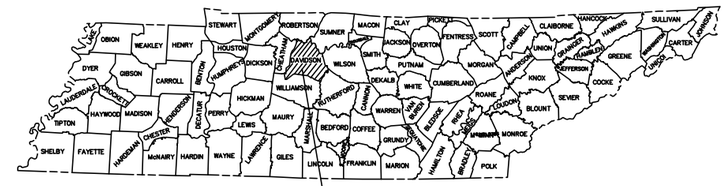
INDEX OF SHEETS

SHEET NO.	SHEET NAME
1	TITLE SHEET
2-2A	TOTAL ESTIMATED QUANTITIES AND DETAILS
3-3F	PROPOSED LAYOUT SHEET

TDOT SHEET NO. 3 - 3I

ROADWAY/BIKEWAY PLAN

WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN



TDOT PAVING PROJECT

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY METRO PUBLIC WORKS 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

TOTAL PAVING PROJECT LENGTH 3.90 Mi.

PAVING MANAGER DONALD REID

DESIGED BY BIKE AND PEDESTRIAN COORDINATOR JASON RADINGER CHECKED BY CHIP KNAUF, P.E.

LOCALLY MANAGED PROJECT

REVISIONS

NO	DATE	BY	DESCRIPTION
1			
2			
3			
4			

TITLE SHEET
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

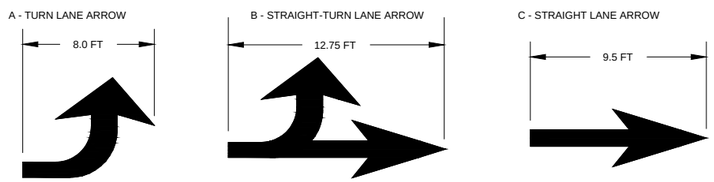
TDOT SHEET NO. 3

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: N.T.S.

SHEET NO: 1

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14



NOTE:
- REFER TO MUTCD 2009 EDITION PART 3 FIGURE 3B-24. EXAMPLES OF STANDARD ARROWS FOR PAVEMENT MARKINGS

2 TURN LANE ARROWS (NOT TO SCALE)

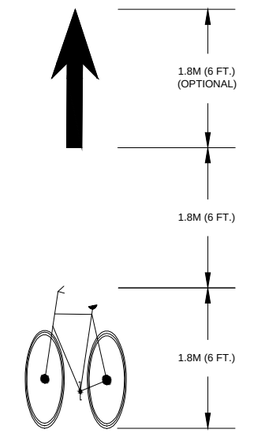
BIKEWAY STRIPING QUANTITIES

ITEM	DESCRIPTION	QTY.	UNIT
716-03.05	PLASTIC WORD PAVEMENT MARKING (BIKE LANE)	1	EACH
716-04.15	PLASTIC PAVEMENT MARKING (BIKE SYMBOL/ARROW)	46	EACH
716-05.01	4" PAINTED PAVEMENT MARKING (4" LINE TEMPORARY)	20.81	LM.
716-12.01	4" ENHANCED FLATLINE (DOTTED LINE)	3,730	L.F.
716-13.01	4" SPRAY THERMO	20.86	LM.

SIGNS AND ROADWAY STRIPING QUANTITIES

ITEM	DESCRIPTION	QTY.	UNIT
713-11.01	"U" SECTION STEEL POST	1225	LBS.
713-16.20	SIGNS (R3-17) BIKE LANE	29	EACH
713-16.21	SIGNS (R3-17bP) ENDS	4	EACH
713-16.21	SIGNS (R3-17aP) AHEAD	1	EACH
713-16.22	SIGNS (W16-18P "FYG") "NOTICE"	1	EACH
713-16.23	SIGNS (R4-11) "MAY USE FULL LANE"	1	EACH
713-16.24	SIGNS (W11-1) "FYG"	5	EACH
713-16.25	SIGNS (W16-1P) "FYG"	5	EACH
713-16.26	SIGNS (D11-1) BIKE ROUTE	2	EACH
713-16.27	SIGNS (M6-2) L/R	2	EACH
716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	250	S.Y.
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	170	L.F.
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	20	EACH
716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	165	L.F.
716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	3	EACH
716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	18	S.F.
716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	1	EACH

6 QUANTITIES (NOT TO SCALE)



BIKE LANE PAVEMENT MARKINGS INSTALL 20' FROM RADIUS

7 BIKE LANE PAVEMENT MARKING DETAIL** (NOT TO SCALE)

TRAFFIC DATA

ROADWAY	LIMITS	MPH
WHITES CREEK PK	BUENA VISTA PK TO W TRINITY LN	40-50

BIKEWAY PROJECT SHALL COORDINATE WITH PW TRAFFIC DEPT AND TDOT

NOTE: SHARROW AND BIKE LANE PAVEMENT MARKING SHALL NOT BE PLACED IN FRONT OF DRIVEWAYS.

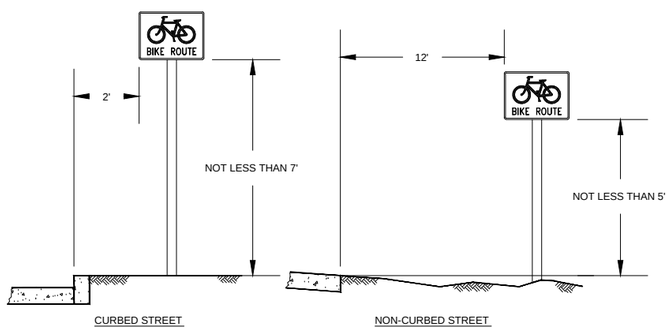
**SPECIAL NOTE(S):

- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.)
- THE BASE SURVEY AND DESIGN INFORMATION FOR ROADWAY PRESENTED ON THIS PLAN WERE PROVIDED BY METRO NASHVILLE PUBLIC WORKS AND IS BASED ON GIS INFORMATION. WHERE AVAILABLE, BASE INFORMATION HAS BEEN SUPPLEMENTED BY FIELD OBSERVATIONS BY THE DESIGNER. METRO NASHVILLE PUBLIC WORKS MAKES NO CLAIMS AS TO THE COMPLETENESS OR ACCURACY OF THE PROVIDED BASE INFORMATION.
- PLAN DESIGN IS BASED ON EXISTING CONDITIONS AS OF 8/6/14.
- PROPOSED ITEMS SHOWN SHALL BE COORDINATED WITH METRO PAVING OFFICE.
- TRAFFIC DEPT OR CONTRACTORS ARE RESPONSIBLE FOR INSTALLATION OF SIGN ITEMS.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ROADWAY MARKINGS.
- 1 SHARROW AND BIKE LANE PAVEMENT MARKING SHALL BE PLACED PER DIRECTION OF TDOT REPRESENTATIVE.
- 2 SHARROW AND BIKE LANE PAVEMENT MARKING SHALL NOT BE PLACED IN FRONT OF DRIVEWAYS.

SIGN SCHEDULE

SIGN #	SIGN	DESCRIPTION	MUTCD	SIZE	QTY.
1	BIKE LANE	BIKE LANE	R3-17	24"x18"	29
2	NOTICE	"NOTICE" PLAQUE	W16-18P	24"x12"	1
3	MAY USE FULL LANE	BICYCLES MAY USE FULL LANE	R4-11	30"x30"	1
4	BIKE ROUTE	BIKE ROUTE	D11-1	24"x18"	2
5		DIRECTIONAL ARROW	M6-2 R	12"x9"	1
6		DIRECTIONAL ARROW	M6-2 L	12"x9"	1
7		BICYCLE WARNING "FYG"	W11-1	24"x24"	5
8	MAY USE FULL LANE	MAY USE FULL LANE "FYG"	W16-1p	18"x24"	5
9	ENDS	"ENDS" PLAQUE	R3-17bP	24"x8"	4
10	AHEAD	"AHEAD" PLAQUE	R3-17aP	24"x8"	1

4 SIGN SCHEDULE (NOT TO SCALE)

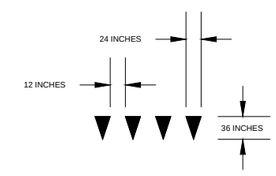


HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

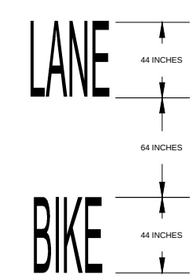
SIGN INSTALLATION NOTES:

1. ALL SIGNS SHALL BE INSTALLED IN THE APPROXIMATE LOCATIONS SHOWN ON PLAN SHEETS. ANY DEVIATION MUST BE APPROVED BY THE METROPOLITAN DEPARTMENT OF PUBLIC WORKS.
2. SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM CONTROL DEVICES , AND SHALL HAVE THE HEIGHT AND CLEARANCE SPECIFICATIONS SHOWN ON THIS SHEET.
3. ALL SIGNING EQUIPMENT AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE T.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 713 - HIGHWAY SIGNING, AND WITH THE SPECIFICATIONS OF METROPOLITAN NASHVILLE AND DAVIDSON COUNTY.

1 HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS (NOT TO SCALE)



5 YIELD LINE DETAIL (NOT TO SCALE)



3 BIKE LANE WORD/SYMBOL LEGENDS (NOT TO SCALE)

MPW/TDOT STANDARD DRAWINGS

DRAWING NO.	DESCRIPTION	DIVISION
T-M-1	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS	ROADWAY
T-M-2	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS	ROADWAY
T-M-3	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS	ROADWAY
T-M-4	STANDARD INTERSECTION PAVEMENT MARKINGS	ROADWAY

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

QUANTITIES AND DETAIL SHEET
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN
PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

TDOT SHEET NO. 3A

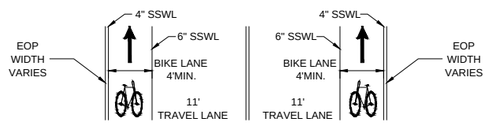
DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: N.T.S.

SHEET NO: 2

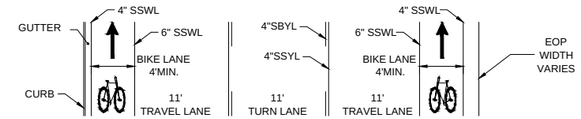
FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14

ROADWAY SECTION DETAILS (SECTION A-A)

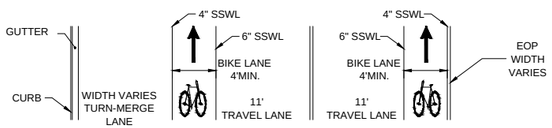


NOTE: 4"SSWL SHALL BE OPTIONAL ON ROADWAY SECTIONS WHERE SHOULDER WIDTH FROM 6"SSWL BIKE LANE SECTION EQUALS OUTER MOST EDGE OF BIKE LANE WIDTH AT 4'. IF SHOULDER WIDTH FROM 6"SSWL IS 5' OR GREATER, 4"SSWL SHALL BE REQUIRED.

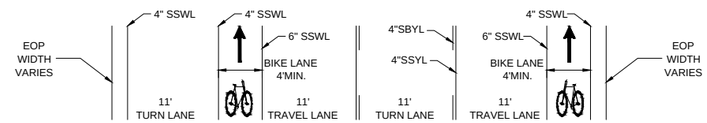
ROADWAY SECTION DETAILS (SECTION E-E)



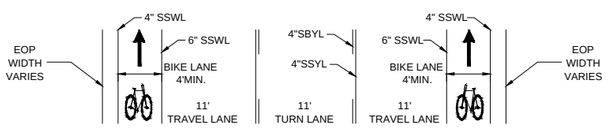
ROADWAY SECTION DETAILS (SECTION B-B)



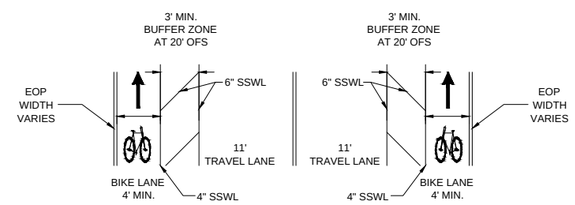
ROADWAY SECTION DETAILS (SECTION F-F)



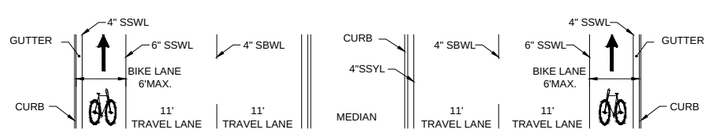
ROADWAY SECTION DETAILS (SECTION C-C)



ROADWAY SECTION DETAILS (SECTION G-G)



ROADWAY SECTION DETAILS (SECTION D-D)



NOTE: CATCH BASIN LIDS SHALL HAVE GRATE OPENINGS PERPENDICULAR TO TRAFFIC.

8 ROADWAY TYPICAL SECTION DETAIL
(NOT TO SCALE)

REVISIONS

NO	DATE	BY	DESCRIPTION
1			
2			
3			
4			

QUANTITIES AND DETAIL SHEET
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN
PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

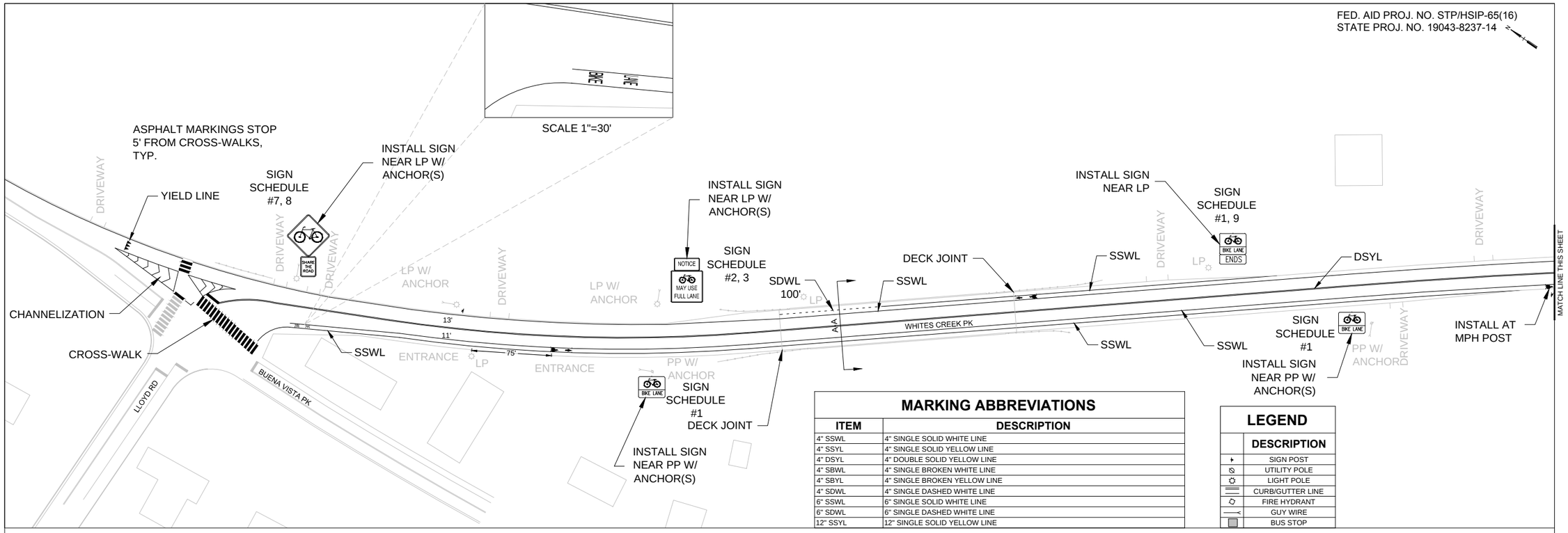
TDOT SHEET NO. 3B

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: N.T.S.

SHEET NO: 2

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14

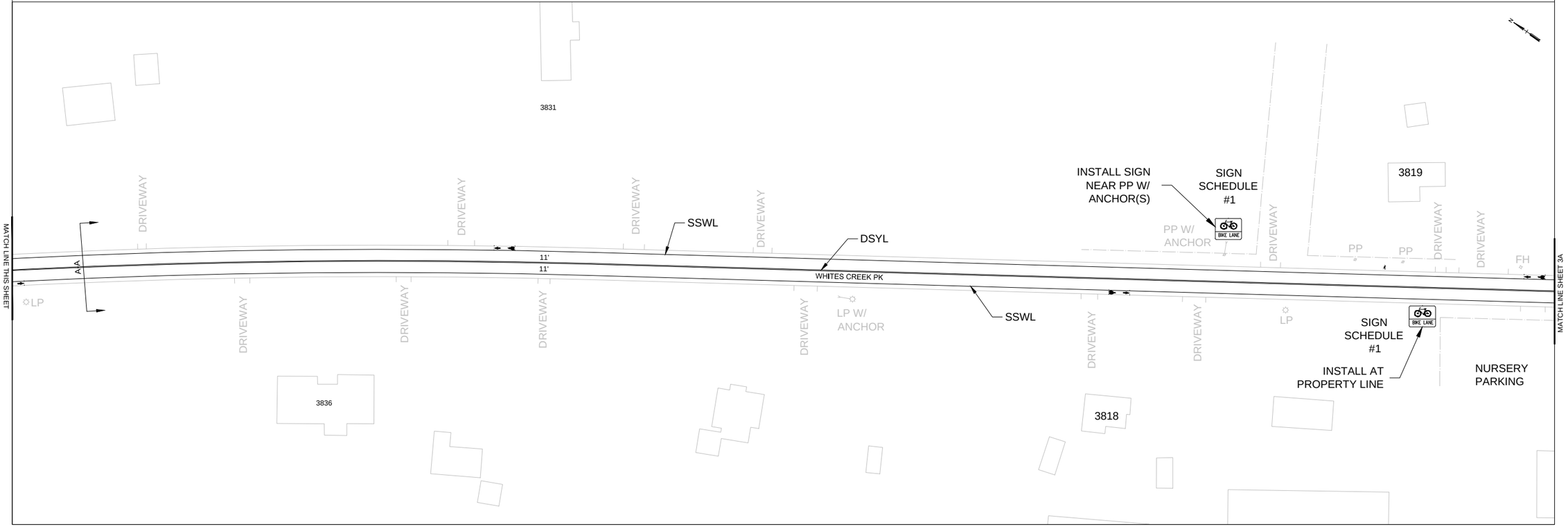


MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP



REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

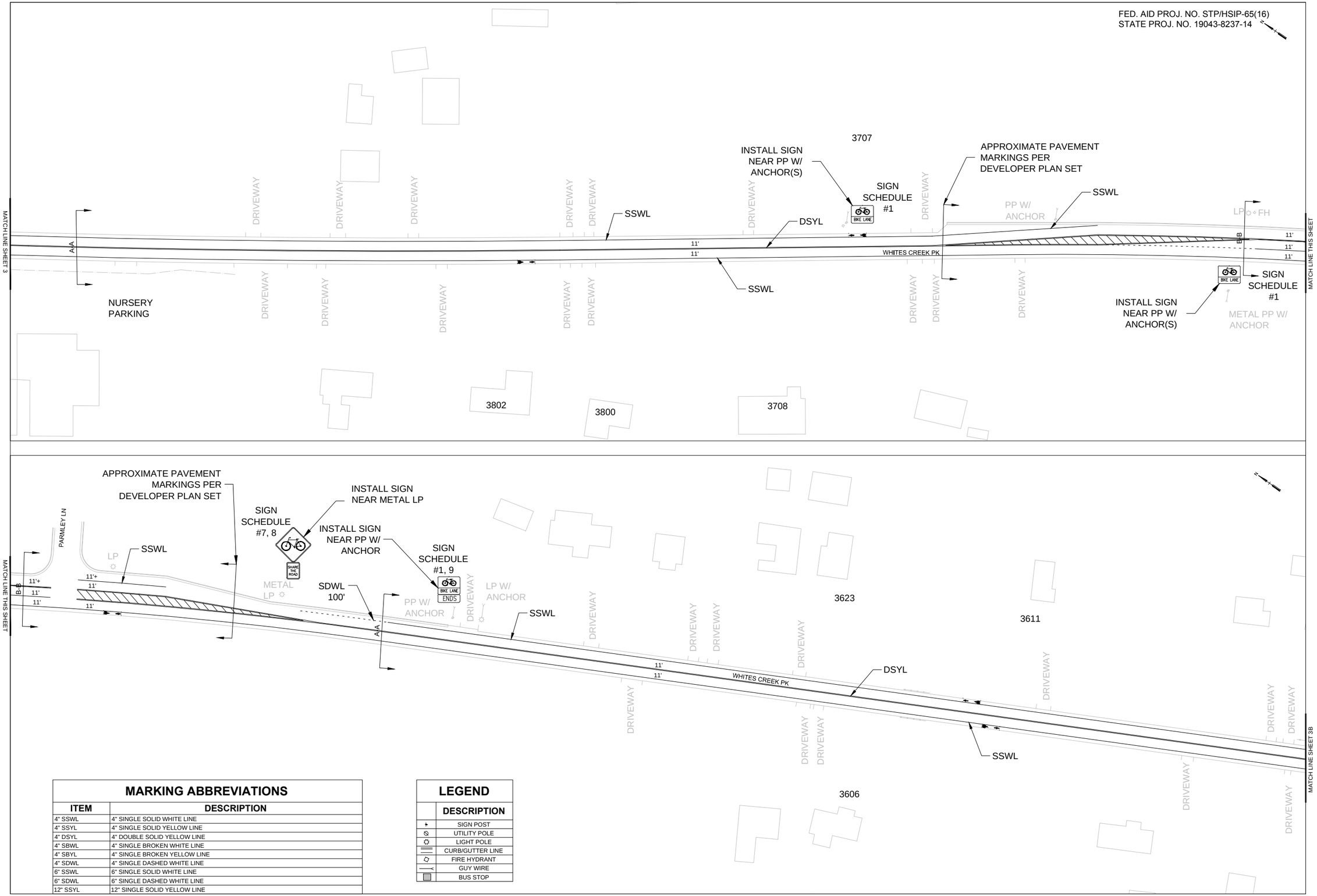
TDOT SHEET NO. 3C

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: 1" = 100'

SHEET NO: 3

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14



MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

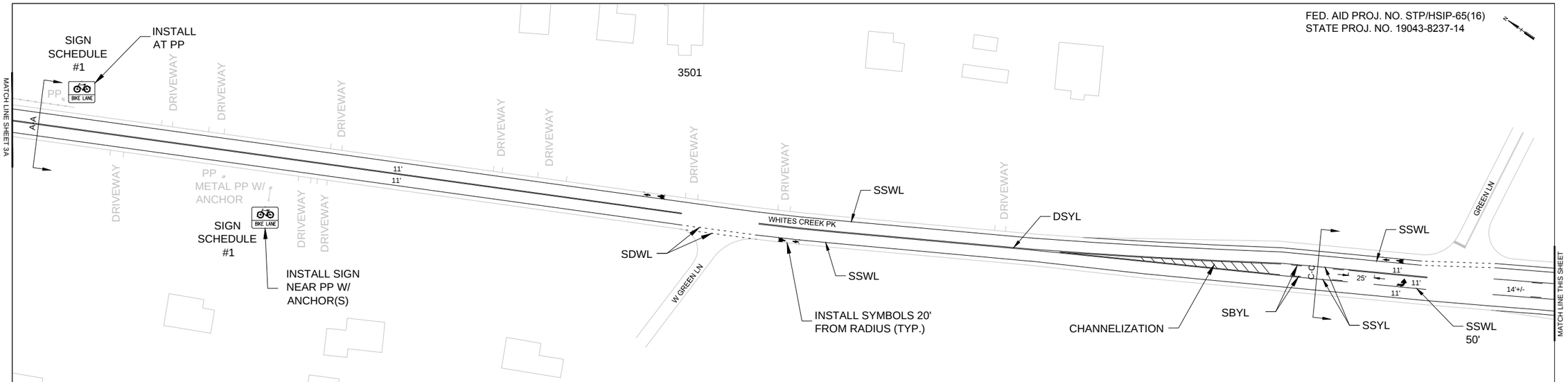
TDOT SHEET NO. 3D

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: 1" = 100'

SHEET NO: 3A

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14

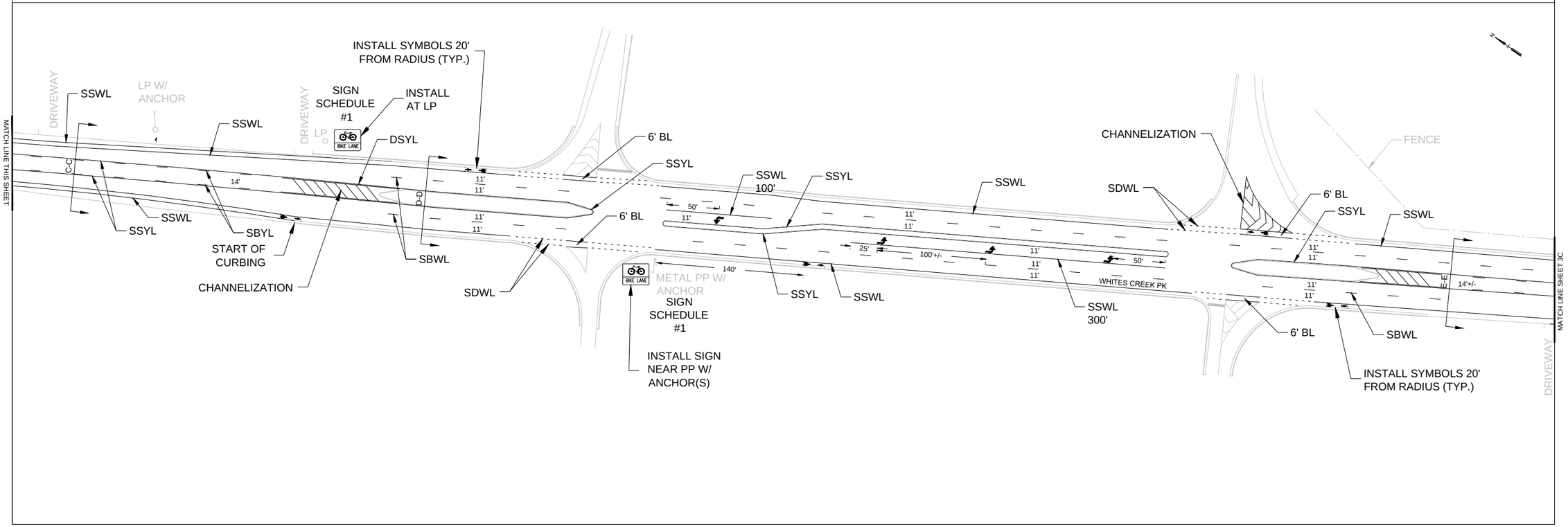


MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP



REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

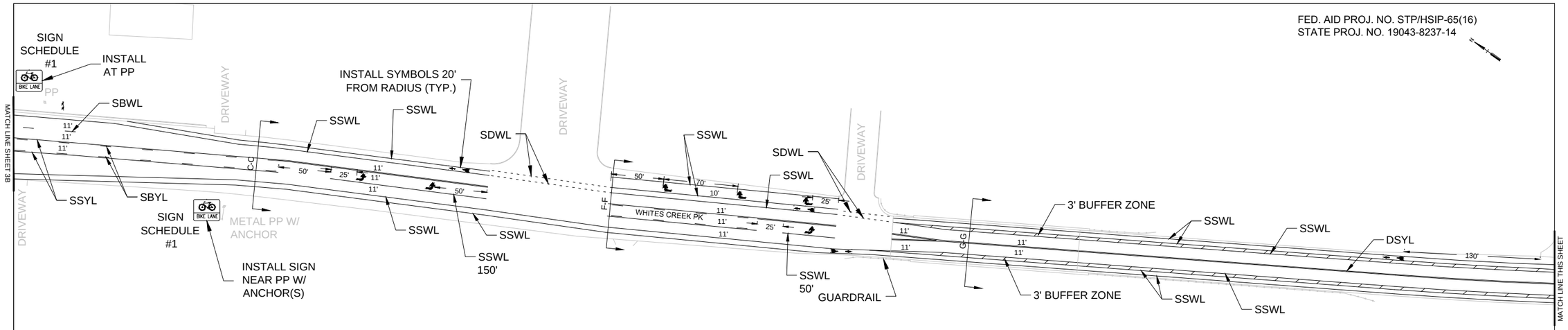
TDOT SHEET NO. 3E

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: 1" = 100'

SHEET NO: 3B

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14

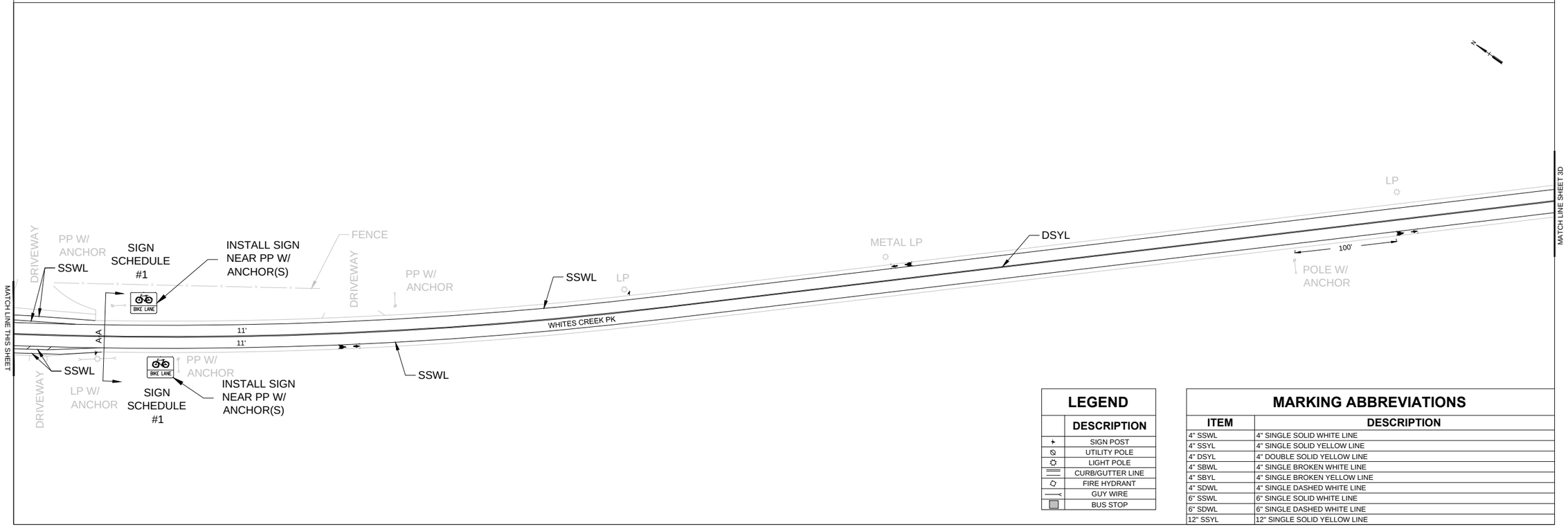


MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP



LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP

MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

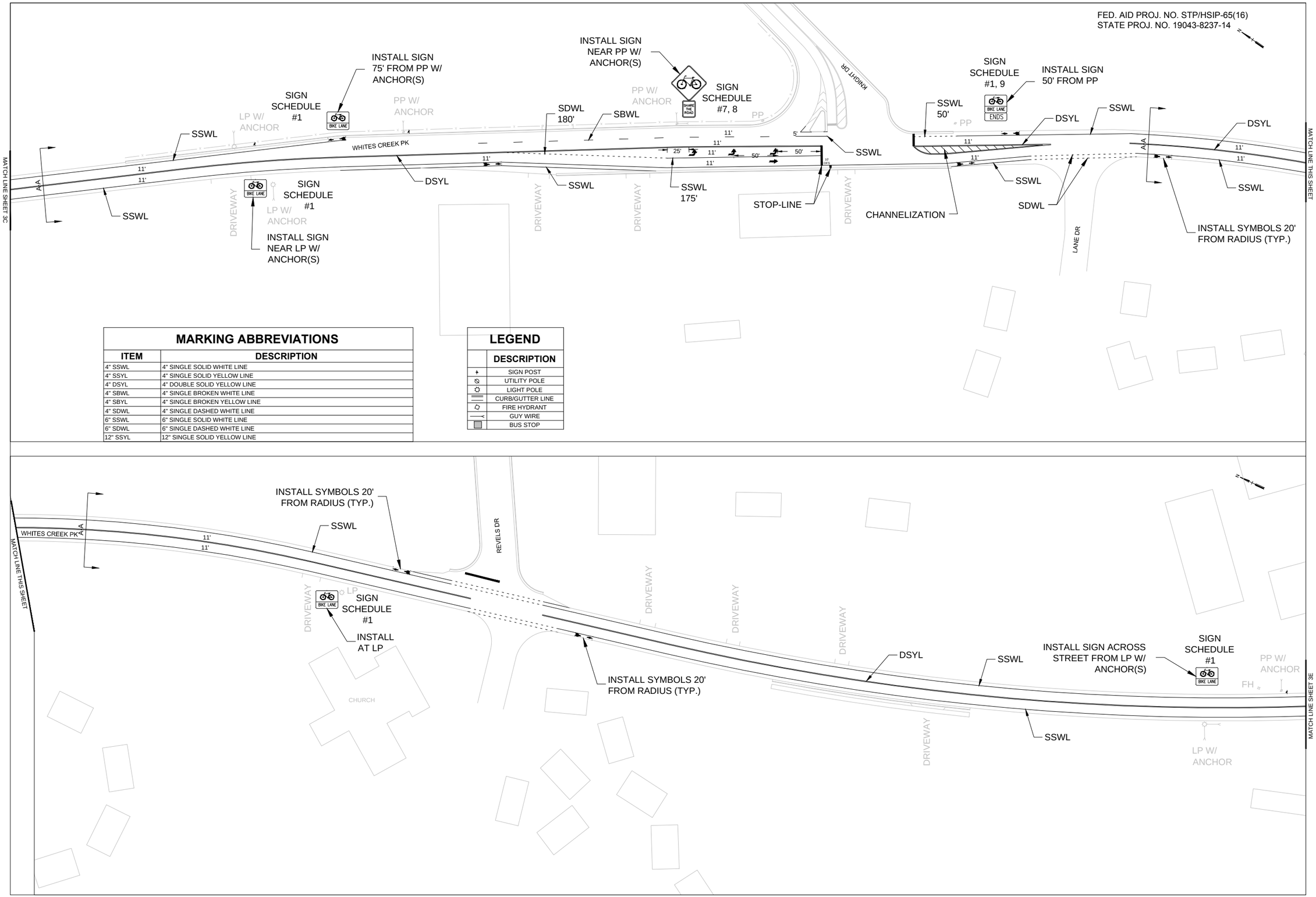
TDOT SHEET NO. 3F

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: 1" = 100'

SHEET NO: 3C

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14



MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

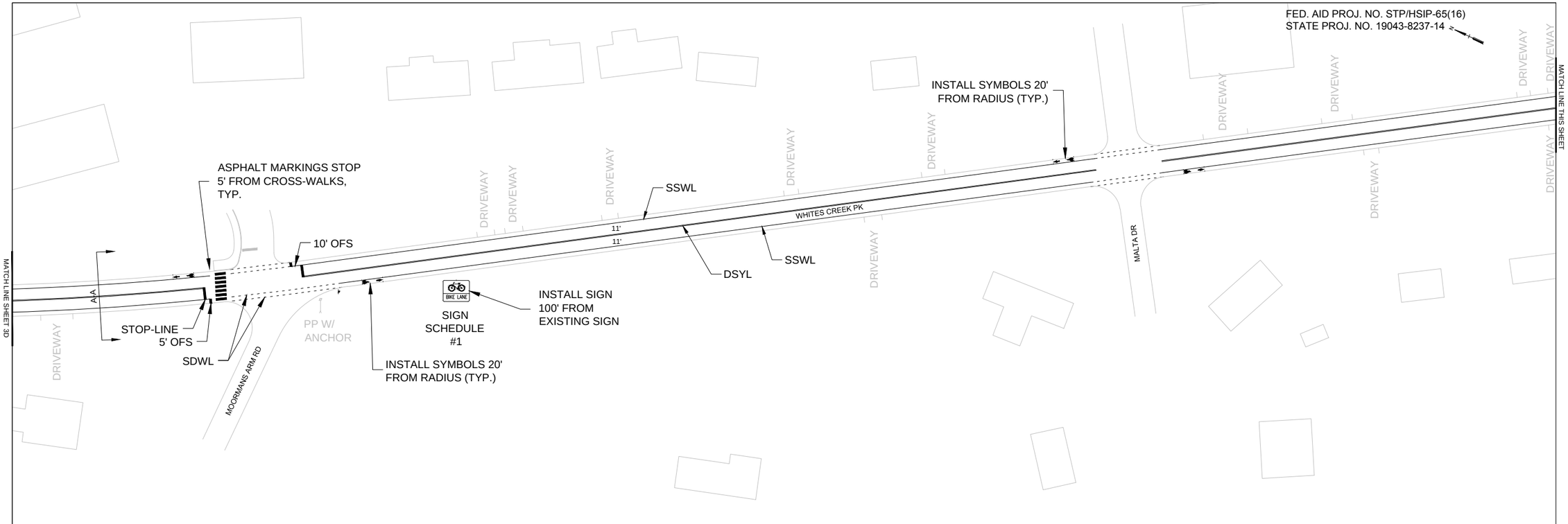
Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

TDOT SHEET NO. 3G

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: 1" = 100'

SHEET NO: 3D

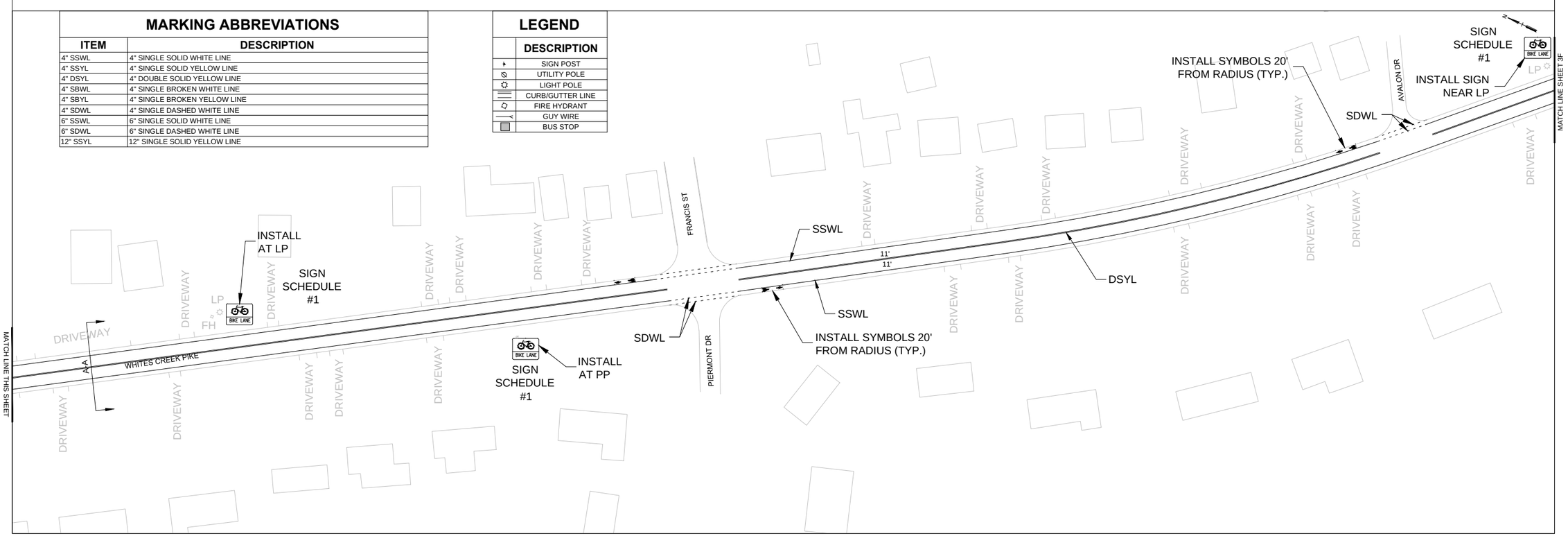


MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP



REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

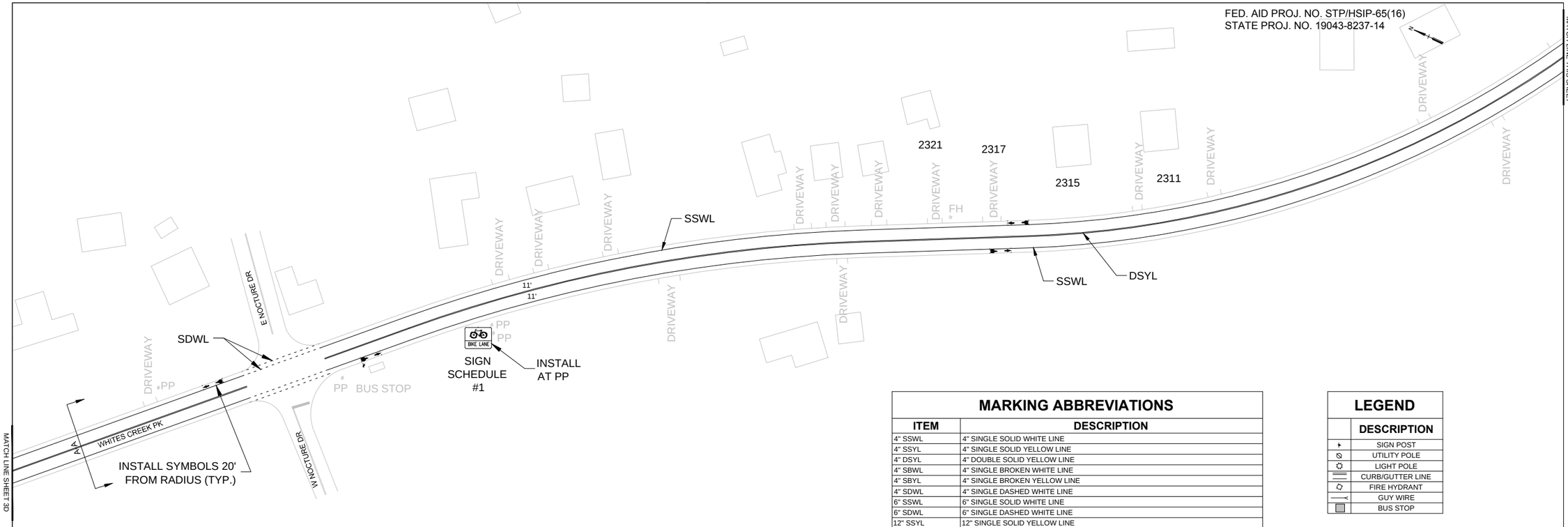
TDOT SHEET NO. 3H

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045

SCALE: 1" = 100'

SHEET NO: 3E

FED. AID PROJ. NO. STP/HSIP-65(16)
STATE PROJ. NO. 19043-8237-14

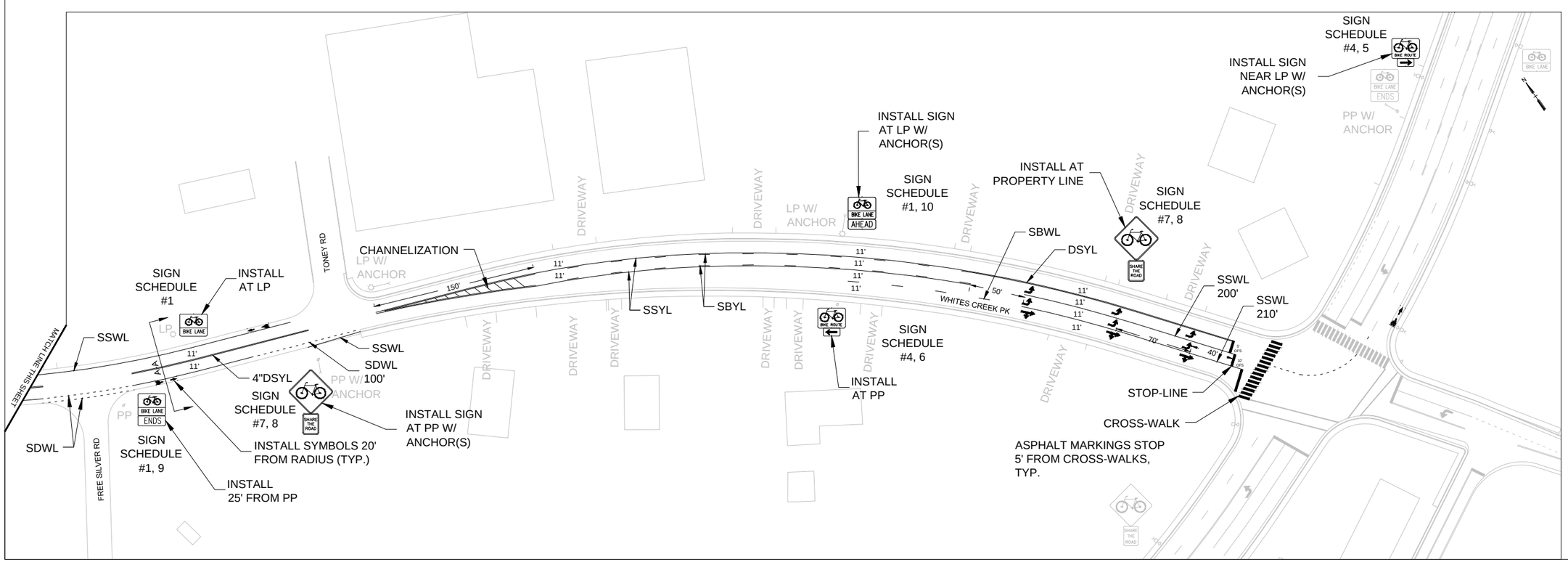


MARKING ABBREVIATIONS

ITEM	DESCRIPTION
4" SSWL	4" SINGLE SOLID WHITE LINE
4" SSYL	4" SINGLE SOLID YELLOW LINE
4" DSYL	4" DOUBLE SOLID YELLOW LINE
4" SBWL	4" SINGLE BROKEN WHITE LINE
4" SBYL	4" SINGLE BROKEN YELLOW LINE
4" SDWL	4" SINGLE DASHED WHITE LINE
6" SSWL	6" SINGLE SOLID WHITE LINE
6" SDWL	6" SINGLE DASHED WHITE LINE
12" SSYL	12" SINGLE SOLID YELLOW LINE

LEGEND

	DESCRIPTION
	SIGN POST
	UTILITY POLE
	LIGHT POLE
	CURB/GUTTER LINE
	FIRE HYDRANT
	GUY WIRE
	BUS STOP



REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/21/15	WJR	REVISED NEW LINE ITEMS PER TDOT
2			
3			
4			

PROPOSED LAYOUT
WHITES CREEK PK
- BUENA VISTA PK TO W TRINITY LN

PROPOSED ROADWAY/BIKEWAY IMPROVEMENTS
DAVIDSON COUNTY, TENNESSEE

Metro Nashville Public Works
Improving the Quality of Life for Nashvillians and our Visitors

TDOT SHEET NO. 3I

DATE:	7/14
DESIGNED BY:	WJR
DRAWN BY:	WJR
SUPERVISED BY:	DLR
CHECKED BY:	CK
PROJ. NO.	14-045
SCALE: 1" = 100'	
SHEET NO: 3F	