

# LYNCHPIN INDUSTRIAL CENTER SIDEWALK

## LYNCHBURG, VIRGINIA

OCTOBER 22, 2013  
REVISED JULY 27, 2015

PROJECT NARRATIVE:  
THE PURPOSE OF THIS PROJECT IS TO BUILD APPROXIMATELY 4,440 LF OF SIDEWALK WITH NEW STREET TREES IN THE LYNCHPIN INDUSTRIAL CENTER ALONG JEFFERSON RIDGE PARKWAY AND APPROXIMATELY 685 LF OF SIDEWALK ALONG RAMSEY PLACE. IT INVOLVES THE DISTURBANCE OF 0.60 ACRES.

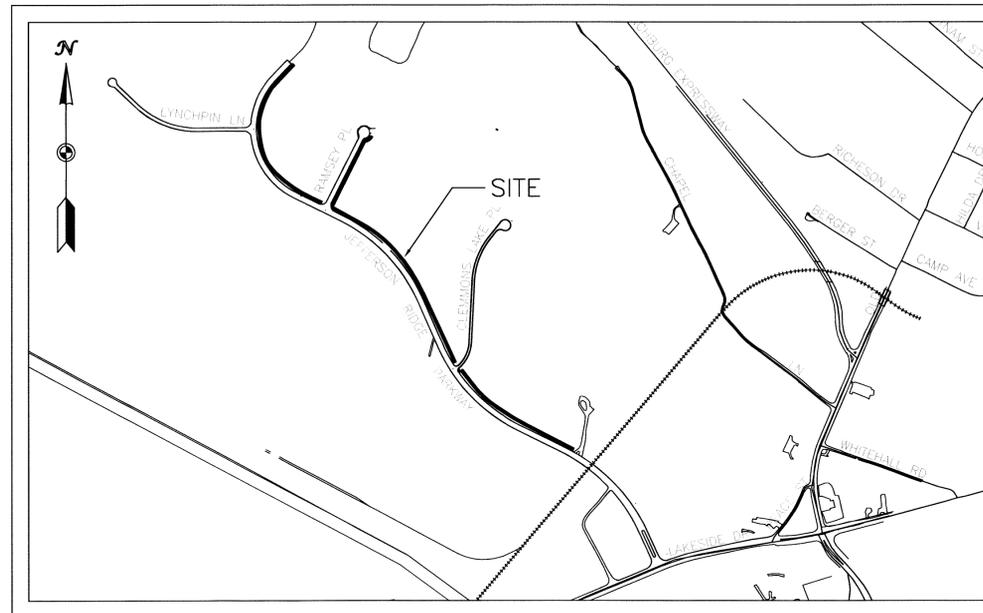
JEFFERSON RIDGE PARKWAY (THE ENTRANCE ROAD OF THE LYNCHPIN INDUSTRIAL CENTER) HAS A POSTED SPEED LIMIT OF 35 M.P.H. RAMSEY PLACE DOES NOT HAVE A POSTED SPEED LIMIT.

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF LYNCHBURG MANUAL OF SPECIFICATIONS AND STANDARD DETAILS, LATEST REVISION. SITE SPECIFICATIONS AND DETAILS NOT COVERED BY THE CITY MANUAL SHALL CONFORM TO THE VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE 2007 SPECIFICATIONS AND 2008 STANDARDS, AND VIRGINIA DEPARTMENT OF HEALTH REGULATIONS. COMPACT LAYERS OF FILL TO 100 PERCENT BY ASTM D 698 (STANDARD PROCTOR) BENEATH AND WITHIN 25 FEET OF BUILDINGS, STRUCTURES AND WITHIN STORMWATER POND EMBANKMENTS. COMPACT LAYERS OF FILL TO 95 PERCENT BY ASTM D 698 (STANDARD PROCTOR) WITHIN CITY'S RIGHT-OF-WAY, PAVEMENTS, WALKS, AND ROAD SHOULDERS. IN OTHER UNPAVED AREAS, COMPACT TO 90 PERCENT BY ASTM D 698 (STANDARD PROCTOR). IF THE DENSITY OF THE ADJACENT SOIL IS MORE THAN THE DENSITY SPECIFIED, THEN COMPACT TO A DENSITY NOT LESS THAN THE DENSITY OF THE ADJACENT SOIL.

THE TRAFFIC CONTROL PLAN SHALL BE PERFORMED FOLLOWING THE GUIDELINES PRESENTED BY THE VIRGINIA WORK AREA PROTECTION MANUAL, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2009 EDITION, PART 6 TEMPORARY TRAFFIC CONTROL.

### LEGEND

	ABANDONED OR DEMOLISH		BENCHMARK
	CENTER/EDGE OF STREAM		DOUBLE WATER METER SETTING
	CONTOUR (INTERVAL AS INDICATED ON SITE PLAN)		DROP INLET
	EC-2 LINER		FIRE HYDRANT
	EDGE OF EXISTING PAVEMENT		IRON PIN FOUND
	FENCE		IRON PIN SET
	GAS LINE		LIGHT POLE
	GRASS LINED DITCH		POWER POLE
	OHE OVERHEAD ELECTRIC LINE		SAN. SEWER MANHOLE
	OHT OVERHEAD TELEPHONE LINE		SANITARY CLEAN OUT
	PL PROPERTY LINE		TELEPHONE POLE WITH GUY WIRE & ANCHOR
	RW RIGHT-OF-WAY		THRUST BLOCK
	SS SANITARY SEWER		TREE
	SE SPOT ELEVATION		AIR RELEASE VALVE
	SS STORM SEWER		WATER METER
	UGE UNDERGROUND ELECTRICAL LINE		WATER VALVE
	UGT UNDERGROUND TELEPHONE LINE		STRUCTURE NUMBER
	WL WATER LINE		PLAN C-2
	WL WOOD LINE		NEW PAVEMENT (HEAVY DUTY)
	CONCRETE		NEW PAVEMENT (LIGHT DUTY)
	STONE		



VICINITY MAP  
NTS

NOTE: 1. THE SIZE OF SYMBOLS MAY VARY FROM THOSE SHOWN.  
2. ALL ABBREVIATIONS AND SYMBOLS SHOWN MAY NOT BE USED.

### ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	PC	POINT OF CURVATURE
ARV	AIR RELEASE VALVE	PI	POINT OF INTERSECTION
BC	BACK OF CURB	PT	POINT OF TANGENT
BM	BENCH MARK	POB	POINT OF BEGINNING
CD	COMBINATION UNDERDRAIN	POE	POINT OF ENDING
CG	CURB & GUTTER	PRC	POINT OF REVERSE CURVE
CL	CENTER LINE	PVC	POINT OF VERTICAL CURVATURE
CMP	CORRUGATED METAL PIPE	PVI	POINT OF VERTICAL INTERSECTION
CO	CLEAN OUT	PVT	POINT OF VERTICAL TANGENT
CP	CONTROL POINT	PUE	PUBLIC UTILITY EASEMENT
CY	CUBIC YARDS	PVC	POLYVINYL CHLORIDE PIPE
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RT	RIGHT
EL	ELEVATION	R/W	RIGHT OF WAY
ELEC	ELECTRIC	SAN	SANITARY
EVT	EVENT POINT	SD	SIGHT DISTANCE
EX	EXISTING	STA	STATION
FF	FINISHED FLOOR	STD	STANDARD
FH	FIRE HYDRANT ASSEMBLY	SY	SQUARE YARDS
INV	INVERT	TYP	TYPICAL
IPF	IRON PIN FOUND	UD	UNDERDRAIN
IPS	IRON PIN SET	UON	UNLESS OTHERWISE NOTED
LT	LEFT	VC	VERTICAL CURVE LENGTH
MH	MANHOLE	VPD	VEHICLES PER DAY
NIC	NOT IN CONTRACT	VSD	VERTICAL SIGHT DISTANCE
NTS	NOT TO SCALE	WM	WATER METER
R	PROPERTY LINE	WV	WATER VALVE

### INDEX OF SHEETS

SHEET NO.	DRAWING NO.	TITLE
CS1	1 OF 8	COVER SHEET
G1	2 OF 8	EXISTING CONDITIONS & DEMOLITION PLAN
G2	3 OF 8	SHEET LAYOUT
G3	4 OF 8	TRAFFIC CONTROL PLAN
C1	5 OF 8	SITE PLAN
C2	6 OF 8	SITE PLAN
C3	7 OF 8	SITE PLAN
D1	8 OF 8	MISCELLANEOUS DETAILS

### UTILITY CONTACTS

WATER & SEWER:	CITY OF LYNCHBURG UTILITY DEPARTMENT ATTN: HARRY DOSS 525 TAYLOR STREET LYNCHBURG, VA. 24501 (434)455-4271
TELEPHONE:	VERIZON VIRGINIA INC. ENGINEERING DEPARTMENT 553 LEESVILLE ROAD LYNCHBURG, VA 24502 (434) 237-9522 REPAIR: 1-888-663-0363
ELECTRICITY:	AMERICAN ELECTRIC POWER 4001 MAYFLOWER DRIVE LYNCHBURG, VA 24501 (434) 522-4281
GAS:	COLUMBIA GAS OF VIRGINIA INC. CUSTOMER SERVICE RICHMOND VA 23236 1-888-460-4332
CABLE:	COMCAST DIGITAL CABLE 2820 LINKHORNE DRIVE LYNCHBURG, VA 24588 (888) 266-2278

CONTRACTOR SHALL VERIFY CONTACT INFORMATION FOR EMERGENCY REPAIR SERVICE AND INSTALLATION, PRIOR TO ANY CONSTRUCTION ACTIVITIES.

### OWNER INFORMATION

OWNER:	CITY OF LYNCHBURG 900 CHURCH ST. LYNCHBURG VA. 24501
CONTACT:	DON DeBERRY PHONE: (434) 455-3935
ENGINEER:	WARNER WHITE ENGINEERING PARTNERS 118 CORNERSTONE STREET LYNCHBURG, VIRGINIA 24502
CONTACT:	TRENT J. WARNER, P.E. PHONE: (434) 534-3201

STATE PROJECT #: EN14-118-060 (C501)

FEDERAL PROJECT #: TEA-5118(246)

FHWA 534# - 3J028

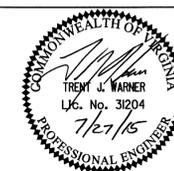
UPC # 106057

NFO - NO FEDERAL OVERSIGHT

Approved: City Engineer

Date

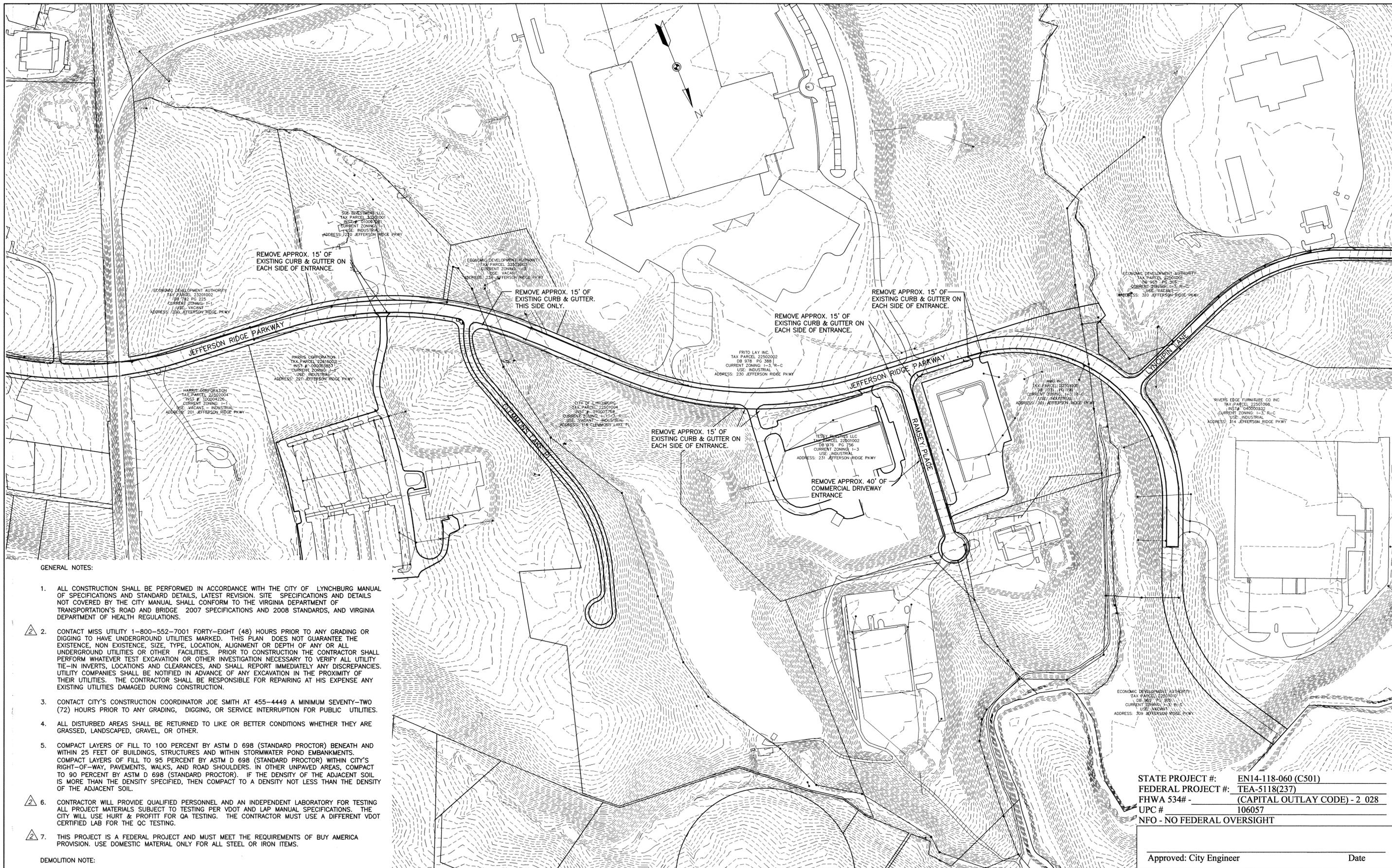
NO.	REVISION	BY	DATE
3	MADE CHANGES TO FEDERAL PROJECT NUMBER	MWW	7-27-15
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14



**WARNER WHITE**  
ENGINEERING PARTNERS  
118 CORNERSTONE STREET  
LYNCHBURG, VIRGINIA 24502  
PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY:	GLM
DESIGNED BY:	JLW
REVIEWED BY:	TJW
PROJECT No.	13045.00
SCALE:	GRAPHIC

PROJECT:	LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA	DATE: REV. 7-27-15 10-22-13
TITLE:	COVER SHEET	DRAWING No: CS1
		SHEET NUMBER: 1 OF 8

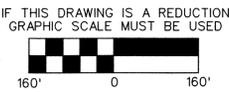


**GENERAL NOTES:**

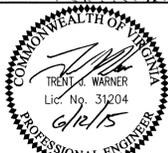
1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF LYNCHBURG MANUAL OF SPECIFICATIONS AND STANDARD DETAILS, LATEST REVISION. SITE SPECIFICATIONS AND DETAILS NOT COVERED BY THE CITY MANUAL SHALL CONFORM TO THE VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE 2007 SPECIFICATIONS AND 2008 STANDARDS, AND VIRGINIA DEPARTMENT OF HEALTH REGULATIONS.
2. CONTACT MISS UTILITY 1-800-552-7001 FORTY-EIGHT (48) HOURS PRIOR TO ANY GRADING OR DIGGING TO HAVE UNDERGROUND UTILITIES MARKED. THIS PLAN DOES NOT GUARANTEE THE EXISTENCE, NON EXISTENCE, SIZE, TYPE, LOCATION, ALIGNMENT OR DEPTH OF ANY OR ALL UNDERGROUND UTILITIES OR OTHER FACILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PERFORM WHATEVER TEST EXCAVATION OR OTHER INVESTIGATION NECESSARY TO VERIFY ALL UTILITY TIE-IN INVERTS, LOCATIONS AND CLEARANCES, AND SHALL REPORT IMMEDIATELY ANY DISCREPANCIES. UTILITY COMPANIES SHALL BE NOTIFIED IN ADVANCE OF ANY EXCAVATION IN THE PROXIMITY OF THEIR UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AT HIS EXPENSE ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
3. CONTACT CITY'S CONSTRUCTION COORDINATOR JOE SMITH AT 455-4449 A MINIMUM SEVENTY-TWO (72) HOURS PRIOR TO ANY GRADING, DIGGING, OR SERVICE INTERRUPTION FOR PUBLIC UTILITIES.
4. ALL DISTURBED AREAS SHALL BE RETURNED TO LIKE OR BETTER CONDITIONS WHETHER THEY ARE GRASSED, LANDSCAPED, GRAVEL, OR OTHER.
5. COMPACT LAYERS OF FILL TO 100 PERCENT BY ASTM D 698 (STANDARD PROCTOR) BENEATH AND WITHIN 25 FEET OF BUILDINGS, STRUCTURES AND WITHIN STORMWATER POND EMBANKMENTS. COMPACT LAYERS OF FILL TO 95 PERCENT BY ASTM D 698 (STANDARD PROCTOR) WITHIN CITY'S RIGHT-OF-WAY, PAVEMENTS, WALKS, AND ROAD SHOULDERS. IN OTHER UNPAVED AREAS, COMPACT TO 90 PERCENT BY ASTM D 698 (STANDARD PROCTOR). IF THE DENSITY OF THE ADJACENT SOIL IS MORE THAN THE DENSITY SPECIFIED, THEN COMPACT TO A DENSITY NOT LESS THAN THE DENSITY OF THE ADJACENT SOIL.
6. CONTRACTOR WILL PROVIDE QUALIFIED PERSONNEL AND AN INDEPENDENT LABORATORY FOR TESTING ALL PROJECT MATERIALS SUBJECT TO TESTING PER VDOT AND LAP MANUAL SPECIFICATIONS. THE CITY WILL USE HURT & PROFFIT FOR QA TESTING. THE CONTRACTOR MUST USE A DIFFERENT VDOT CERTIFIED LAB FOR THE QC TESTING.
7. THIS PROJECT IS A FEDERAL PROJECT AND MUST MEET THE REQUIREMENTS OF BUY AMERICA PROVISION. USE DOMESTIC MATERIAL ONLY FOR ALL STEEL OR IRON ITEMS.

**DEMOLITION NOTE:**

AREAS SHOWN FOR 15' OF CURB & GUTTER REMOVAL MAY HAVE LESS SHOULD CONFLICTS WITH HANDICAP RAMP FLARES OCCUR. COORDINATE WITH CITY CONSTRUCTION COORDINATOR.



NO.	REVISION	BY	DATE
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14



**WARNER WHITE**  
ENGINEERING PARTNERS  
118 CORNERSTONE STREET  
LYNCHBURG, VIRGINIA 24502  
PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY: GLM  
DESIGNED BY: JLW  
REVIEWED BY: TJW  
PROJECT No. 13045.00  
SCALE: GRAPHIC

PROJECT: LYNCHPIN INDUSTRIAL CENTER SIDEWALK  
LYNCHBURG, VIRGINIA  
TITLE: EXISTING CONDITIONS & DEMOLITION PLAN

DATE: REV. 6-12-15  
10-22-13  
DRAWING No: G1  
SHEET NUMBER: 2 OF 8

STATE PROJECT #: EN14-118-060 (C501)  
FEDERAL PROJECT #: TEA-5118(237)  
FHWA 534# - (CAPITAL OUTLAY CODE) - 2 028  
UPC # 106057  
NFO - NO FEDERAL OVERSIGHT

Approved: City Engineer Date



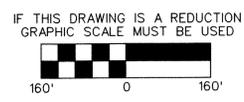
C1

C2

C3

STATE PROJECT #: EN14-118-060 (C501)  
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 REVIEWED BY: TJW  
 PROJECT No. 13045.00  
 SCALE: GRAPHIC

PROJECT: LYNCHPIN INDUSTRIAL CENTER SIDEWALK  
 LYNCHBURG, VIRGINIA  
 TITLE: SHEET LAYOUT

DATE: REV. 6-12-15  
 10-22-13  
 DRAWING No: G2  
 SHEET NUMBER: 3 OF 8

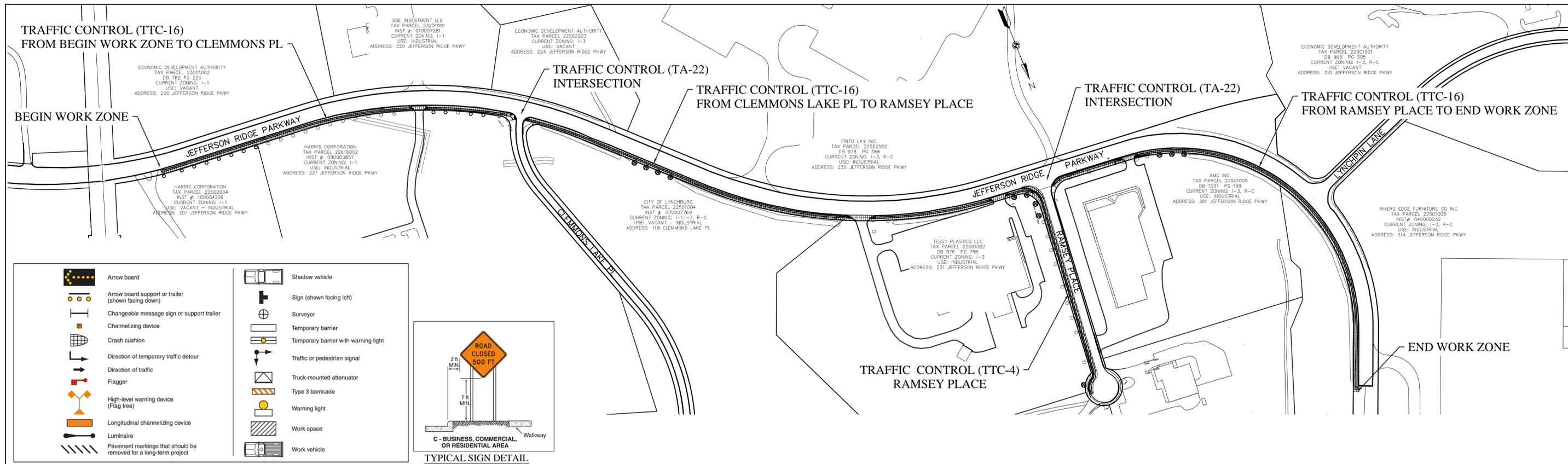
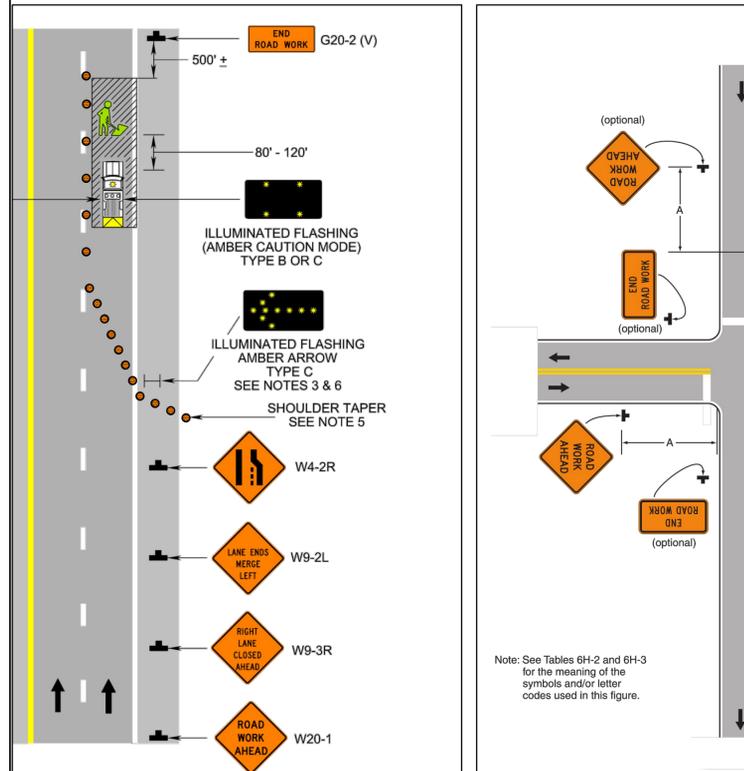
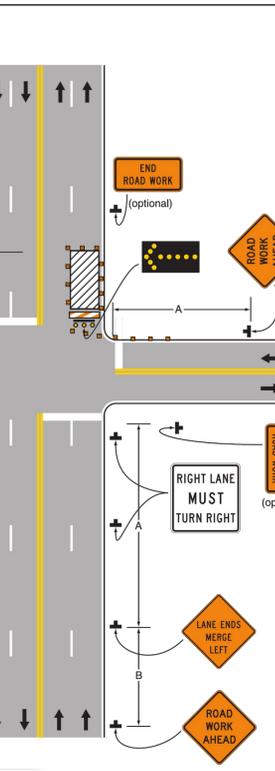


TABLE 6H-2. MEANING OF SYMBOLS ON TYPICAL APPLICATION DIAGRAMS



TYPICAL SIGN DETAIL FIGURE 6F-1



GENERAL NOTES:

1. THE FOLLOWING TRAFFIC CONTROL PLAN WAS CREATED FOLLOWING THE GUIDELINES PRESENTED BY THE VIRGINIA WORK AREA PROTECTION MANUAL (W.A.P.M.) 2011 EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, 2009 EDITION, PART 6 TEMPORARY TRAFFIC CONTROL.
2. TEMPORARY LANE CLOSURES PERFORMED ON JEFFERSON RIDGE PARKWAY SHALL FOLLOW THE DETAIL FOR OUTSIDE LANE CLOSURE OPERATION ON A FOUR-LANE ROADWAY TYPICAL TEMPORARY TRAFFIC CONTROL (TTC-16.0)
3. SHOULDER WORK PERFORMED ON RAMSEY PLACE SHALL FOLLOW THE DETAIL FOR STATIONARY OPERATION ON A SHOULDER (TTC-4.0)
4. LANE CLOSURES PERFORMED ALONG JEFFERSON RIDGE PARKWAY AT THE INTERSECTIONS OF CLEMMONS LAKE PL AND RAMSEY PLACE SHALL FOLLOW THE DETAIL FOR RIGHT LANE CLOSURE ON THE FAR SIDE OF AN INTERSECTION (TA-22)
5. LANE CLOSURES ARE FOR WORK DURING THE DAY ONLY.
6. PORTABLE "ROAD WORK AHEAD" SIGNS MAY BE PLACED ON SIDE STREETS TO ALLOW FOR TEMPORARY CONSTRUCTION ACTIVITIES.
7. ALL SIGNS SHALL BE REMOVED ONCE A LANE IS NAVIGABLE BY THE TRAVELING PUBLIC.
8. THE CITY MAY USE ITS MESSAGE BOARDS TO ASSIST WITH TRAFFIC MANAGEMENT AS NEEDED.
9. BARRELS AND CONES USED FOR LANE CLOSURES SHALL BE SPACED TO ALLOW FOR MOVEMENT IN AND OUT OF ALL DRIVEWAYS, ROADS, AND COMMERCIAL ENTRANCES.
10. VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
11. SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
12. VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
13. AS WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2009 EDITION (MUTCD 2009 EDITION), THIS PLAN IS INTENDED TO IMPROVE THE SAFETY OF THE TRAVELING PUBLIC AND TO BETTER PROTECT THE WORKERS WITHIN THE CONSTRUCTION ZONE, WHILE MAINTAINING AN EFFICIENT TRAFFIC FLOW.
14. SIGNS USED AT NIGHT SHALL BE FABRICATED WITH ENCAPSULATED LENS SHEETING, EXCEPT CONSTRUCTION SIGNS WHICH SHALL BE FLUORESCENT ORANGE PRISMATIC LENS SHEETING.
15. SIGNS ERECTED AT THE SIDE OF THE ROAD SHALL BE MOUNTED AT A HEIGHT OF AT LEAST 7 FEET, MEASURED FROM THE BOTTOM OF THE SIGN TO EITHER THE NEAR EDGE OF THE PAVEMENT, OR FROM THE SIDEWALK OR CURB FOR PEDESTRIAN CLEARANCE. FOR CRASH WORTHY PURPOSES, THE TOP OF THE SIGN SHALL BE A MINIMUM OF 9 FEET ABOVE THE GROUND ELEVATION AT THE BASE OF THE SIGN. THE HEIGHT TO THE BOTTOM OF THE SECONDARY SIGN MOUNTED BELOW ANOTHER SIGN SHALL BE 1 FOOT LESS THAN THE 7 FOOT REQUIREMENT.
16. SIGNS ON PORTABLE SUPPORTS SHALL NOT BE LESS THAN 1 FOOT ABOVE THE EDGE OF PAVEMENT. STANDS SHALL MEET THE REQUIREMENTS OF THE VIRGINIA WORK AREA PROTECTION MANUAL, LATEST REVISION. TRIPOD PORTABLE STANDS SHALL NOT BE USED.
17. SIGNS THAT ARE EXCESSIVELY WORN, SCRATCHED, BENT, OR HAVE LOST A SIGNIFICANT AMOUNT OF RETRO-REFLECTIVITY SHOULD BE PROMPTLY REPLACED.
18. LIGHTING FOR NIGHT TIME WORK SHALL BE ARRANGED SO AS TO NOT INTERFERE WITH OR IMPEDE TRAFFIC APPROACHING THE WORK AREA IN EITHER DIRECTION.
19. PLEASE SEE TABLE FOR ADVANCED WARNING SIGN SPACING.
20. GROUP 1 CHANNELIZING DEVICES ARE 36" MIN. CONES AND GROUP 2 CHANNELIZING DEVICES ARE DRUMS. WORK BEING DONE FOR 24 HOURS/7DAYS A WEEK SHALL USE DRUMS AS CONTROL. SHIFTING TAPERS SHOULD NOT BE AT INTERSECTIONS.
21. END CONSTRUCTION SIGNS SHALL BE PLACED 100' PAST THE WORK AREA.
22. SIGNS SHOWN ON DRAWINGS ARE SHOWN AT A DISTANCE BASED ON THE NUMBERS GIVEN ABOVE AND THE DISTANCES SHOWN IN THE TYPICAL TRAFFIC CONTROL FIGURES IN THE MUTCD 2009 EDITION. ACTUAL SIGN LOCATIONS MAY VARY BASED ON PHYSICAL OBSTACLES OR OTHER OBSTRUCTIONS.
23. IN AREAS WHERE RESIDENTIAL STREETS MAY BE TEMPORARILY CLOSED OR AREAS WHERE CONSTRUCTION OPERATIONS IMPEDE ACCESS TO DRIVEWAYS, LOCAL RESIDENTS SHALL BE INFORMED IN ACCORDANCE TO THE SPECIFICATIONS. ALL ROADS AND DRIVEWAYS SHALL BE ACCESSIBLE AT THE END OF THE WORK DAY AND ON WEEKENDS EXCEPT FOR NEWLY POURED ENTRANCES.
24. THE GREATER LYNCHBURG TRANSIT COMPANY, GLTC, 847-7771, SHALL BE CONTACTED PRIOR TO ANY LANE SHIFTS OR ROAD CLOSURES THAT AFFECT BUS STOPS.
25. WHEN ROAD WORK IS COMPLETE, ALL SIGNAGE SHALL BE REMOVED BY THE CONTRACTOR WITHIN 72 HOURS.
26. SIDEWALKS SHALL BE OPEN AT ALL TIMES. WHEN WORK REQUIRES CLOSING SIDEWALKS THEN SIDEWALK CLOSED SIGNS SHALL BE USED AND PROPER PATH OR DETOUR SHALL BE CREATED.

TYPICAL TEMPORARY TRAFFIC CONTROL (TTC-16.0) (VIRGINIA W.A.P.M. 2011 EDITION) OUTSIDE LANE CLOSURE OPERATION ON A FOUR-LANE ROADWAY (JEFFERSON RIDGE PARKWAY)



TYPICAL APPLICATION 22 (TA-22) (M.U.T.C.D. 2009 EDITION) RIGHT LANE CLOSURE ON THE FAR SIDE OF AN INTERSECTION (INTERSECTIONS OF JEFFERSON RIDGE PARKWAY AND CLEMMONS LAKE PL, JEFFERSON RIDGE PARKWAY AND RAMSEY PLACE)



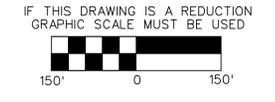
TYPICAL TEMPORARY TRAFFIC CONTROL (TTC- 4.0) (VIRGINIA W.A.P.M. 2011 EDITION) STATIONARY OPERATION ON A SHOULDER (RAMSEY PLACE)



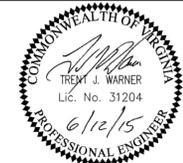
Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

\* Speed category to be determined by highway agency  
 \*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-6. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)



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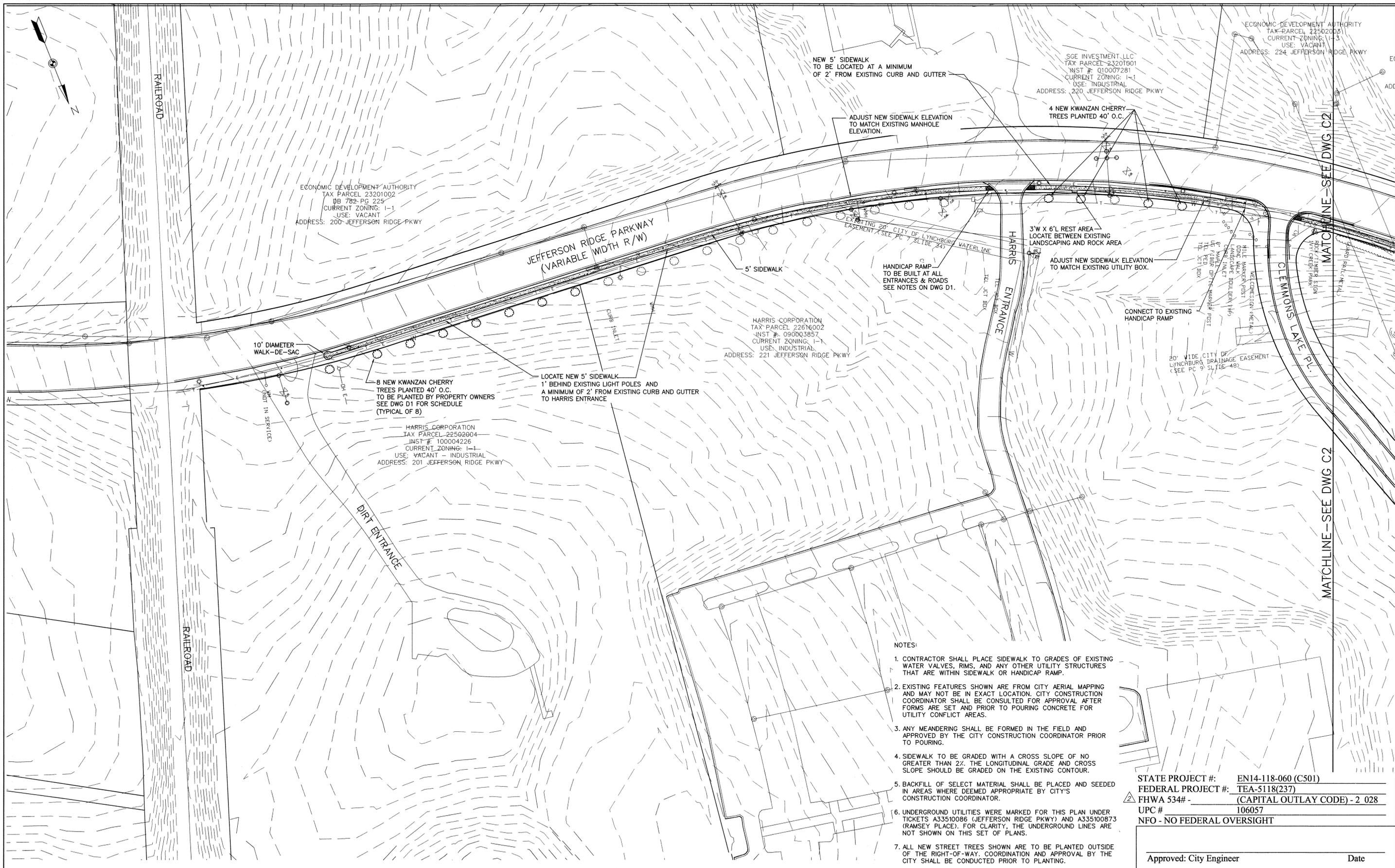
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 NFO - NO FEDERAL OVERSIGHT

Approved: City Engineer \_\_\_\_\_ Date \_\_\_\_\_

PROJECT: LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA

TITLE: **TRAFFIC CONTROL PLAN**

DATE: REV. 6-12-15  
 10-22-13  
 DRAWING No: G3  
 SHEET NUMBER: 4 OF 8



NEW 5' SIDEWALK  
TO BE LOCATED AT A MINIMUM  
OF 2' FROM EXISTING CURB AND GUTTER

SCE INVESTMENT LLC  
TAX PARCEL: 23201901  
INST #: Q10007281  
CURRENT ZONING: I-1  
USE: INDUSTRIAL  
ADDRESS: 220 JEFFERSON RIDGE PKWY

ECONOMIC DEVELOPMENT AUTHORITY  
TAX PARCEL: 22502003  
CURRENT ZONING: I-1-3  
USE: VACANT  
ADDRESS: 224 JEFFERSON RIDGE PKWY

ECONOMIC DEVELOPMENT AUTHORITY  
TAX PARCEL: 23201002  
DB 782-PG 229  
CURRENT ZONING: I-1  
USE: VACANT  
ADDRESS: 200 JEFFERSON RIDGE PKWY

HARRIS CORPORATION  
TAX PARCEL: 22616002  
INST #: 090003857  
CURRENT ZONING: I-1  
USE: INDUSTRIAL  
ADDRESS: 221 JEFFERSON RIDGE PKWY

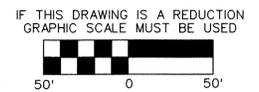
HARRIS CORPORATION  
TAX PARCEL: 22502004  
INST #: 100004226  
CURRENT ZONING: I-1  
USE: VACANT - INDUSTRIAL  
ADDRESS: 201 JEFFERSON RIDGE PKWY

NOTES:

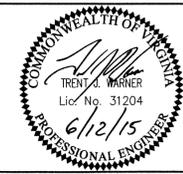
1. CONTRACTOR SHALL PLACE SIDEWALK TO GRADES OF EXISTING WATER VALVES, RIMS, AND ANY OTHER UTILITY STRUCTURES THAT ARE WITHIN SIDEWALK OR HANDICAP RAMP.
2. EXISTING FEATURES SHOWN ARE FROM CITY AERIAL MAPPING AND MAY NOT BE IN EXACT LOCATION. CITY CONSTRUCTION COORDINATOR SHALL BE CONSULTED FOR APPROVAL AFTER FORMS ARE SET AND PRIOR TO POURING CONCRETE FOR UTILITY CONFLICT AREAS.
3. ANY MEANDERING SHALL BE FORMED IN THE FIELD AND APPROVED BY THE CITY CONSTRUCTION COORDINATOR PRIOR TO POURING.
4. SIDEWALK TO BE GRADED WITH A CROSS SLOPE OF NO GREATER THAN 2%. THE LONGITUDINAL GRADE AND CROSS SLOPE SHOULD BE GRADED ON THE EXISTING CONTOUR.
5. BACKFILL OF SELECT MATERIAL SHALL BE PLACED AND SEEDED IN AREAS WHERE DEEMED APPROPRIATE BY CITY'S CONSTRUCTION COORDINATOR.
6. UNDERGROUND UTILITIES WERE MARKED FOR THIS PLAN UNDER TICKETS A33510086 (JEFFERSON RIDGE PKWY) AND A335100873 (RAMSEY PLACE). FOR CLARITY, THE UNDERGROUND LINES ARE NOT SHOWN ON THIS SET OF PLANS.
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STATE PROJECT #: EN14-118-060 (C501)  
FEDERAL PROJECT #: TEA-5118(237)  
FHWA 534# - (CAPITAL OUTLAY CODE) - 2 028  
UPC # 106057  
NFO - NO FEDERAL OVERSIGHT

Approved: City Engineer \_\_\_\_\_ Date \_\_\_\_\_



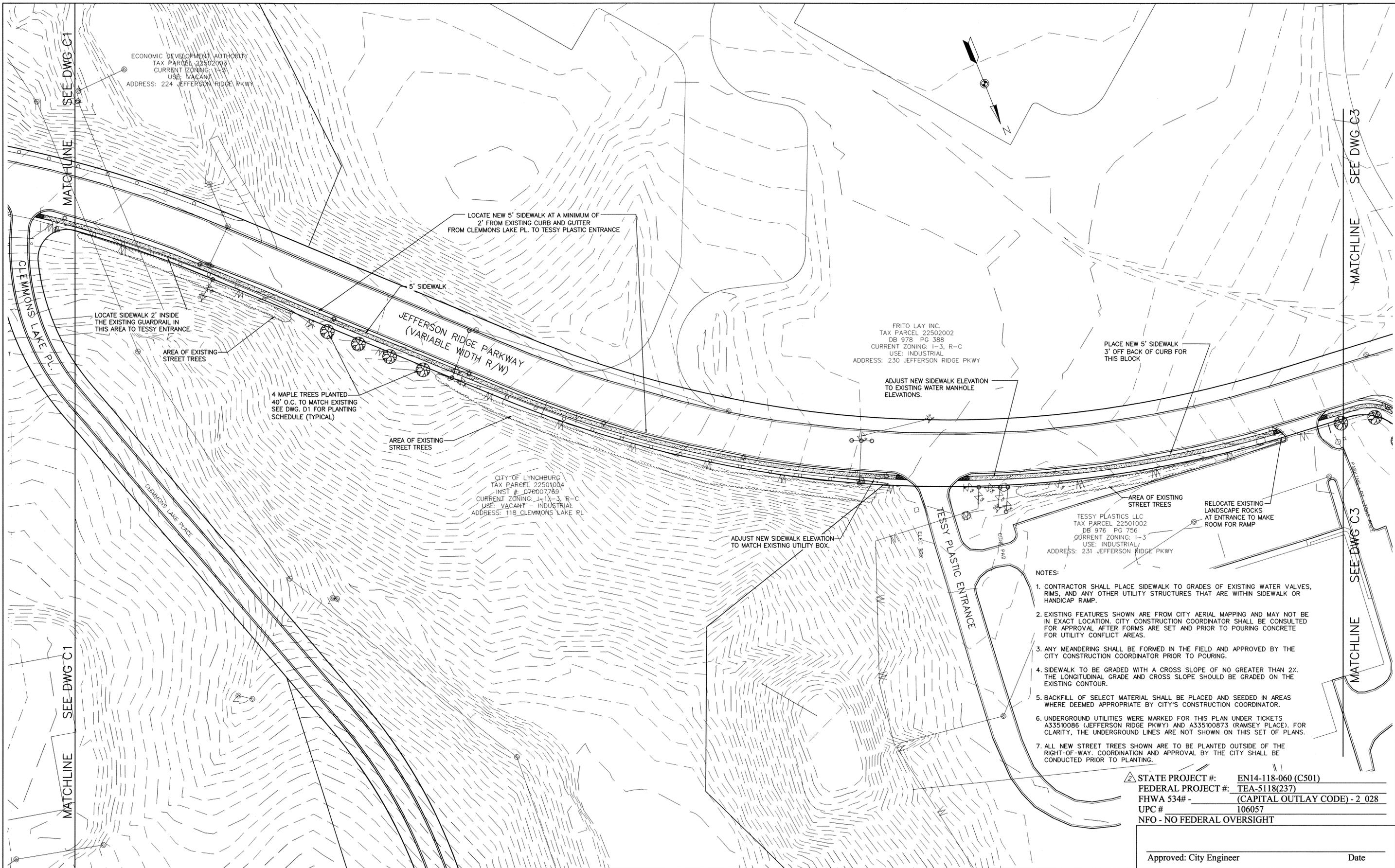
NO.	REVISION	BY	DATE
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14



**WARNER  
WHITE**  
ENGINEERING PARTNERS  
118 CORNERSTONE STREET  
LYNCHBURG, VIRGINIA 24502  
PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY: GLM  
DESIGNED BY: JLW  
REVIEWED BY: TJW  
PROJECT No. 13045.00  
SCALE: GRAPHIC

PROJECT: LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA  
TITLE: SITE PLAN  
DATE: REV. 6-12-15 10-22-13  
DRAWING No: C1  
SHEET NUMBER: 5 OF 8



ECONOMIC DEVELOPMENT AUTHORITY  
 TAX PARCEL 22502003  
 CURRENT ZONING: I-3  
 USE: VACANT  
 ADDRESS: 224 JEFFERSON RIDGE PKWY

FRITO LAY INC.  
 TAX PARCEL 22502002  
 DB 978 PG 388  
 CURRENT ZONING: I-3, R-C  
 USE: INDUSTRIAL  
 ADDRESS: 230 JEFFERSON RIDGE PKWY

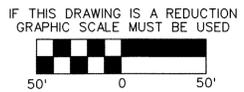
CITY OF LYNCHBURG  
 TAX PARCEL 22501004  
 INST # 070007789  
 CURRENT ZONING: I-3, R-C  
 USE: VACANT - INDUSTRIAL  
 ADDRESS: 118 CLEMMONS LAKE PL

TESSY PLASTICS LLC  
 TAX PARCEL 22501002  
 DB 976 PG 756  
 CURRENT ZONING: I-3  
 USE: INDUSTRIAL  
 ADDRESS: 231 JEFFERSON RIDGE PKWY

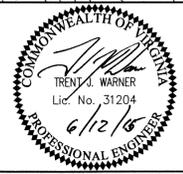
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 FHWA 534# - (CAPITAL OUTLAY CODE) - 2 028  
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 NFO - NO FEDERAL OVERSIGHT

Approved: City Engineer \_\_\_\_\_ Date \_\_\_\_\_



NO.	REVISION	BY	DATE
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14

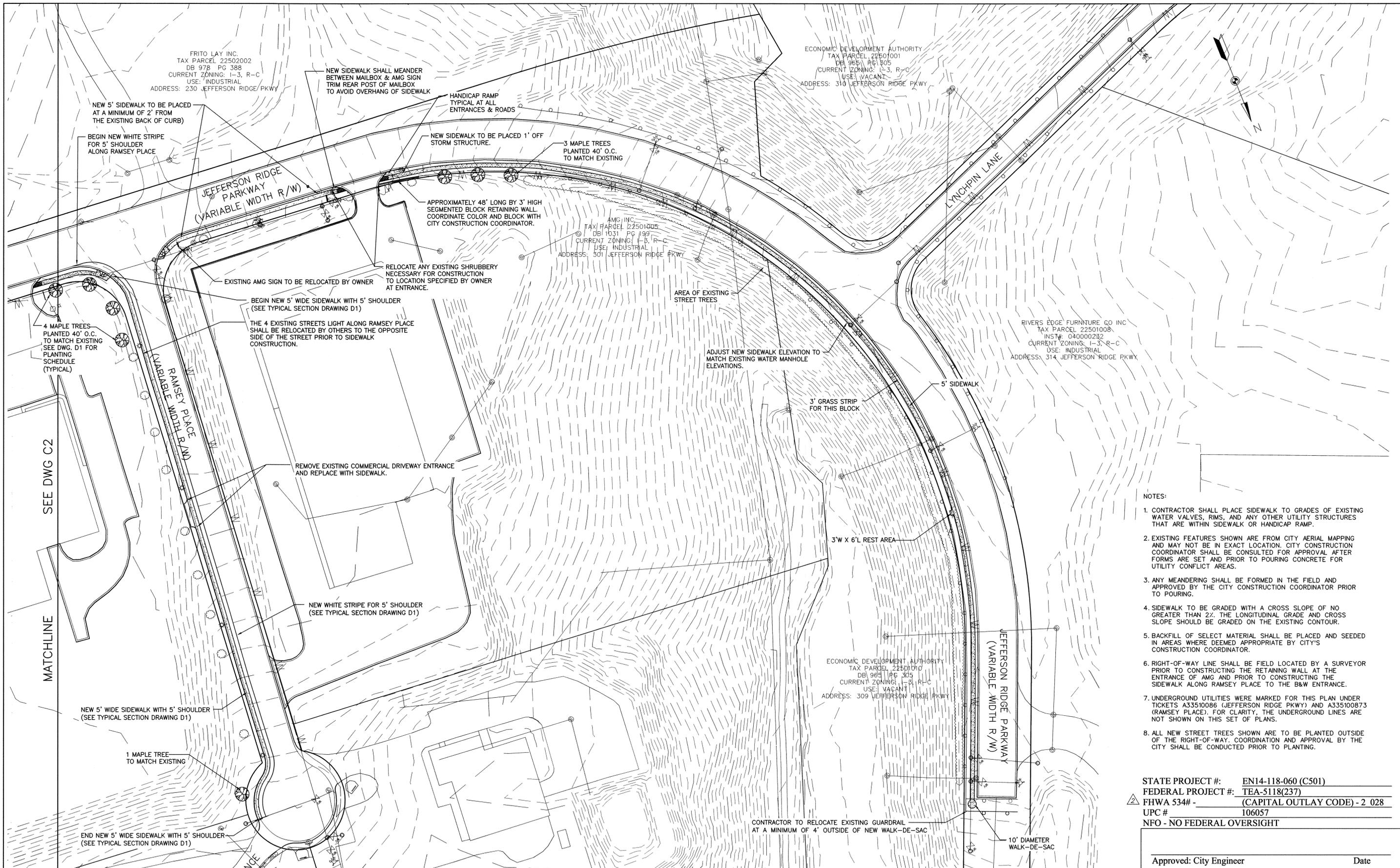


**WARNER WHITE**  
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 118 CORNERSTONE STREET  
 LYNCHBURG, VIRGINIA 24502  
 PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY: GLM  
 DESIGNED BY: JLW  
 REVIEWED BY: TJW  
 PROJECT No. 13045.00  
 SCALE: GRAPHIC

PROJECT: LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA  
 TITLE: SITE PLAN

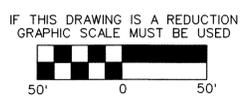
DATE: REV. 6-12-15 10-22-13  
 DRAWING No: C2  
 SHEET NUMBER: 6 OF 8



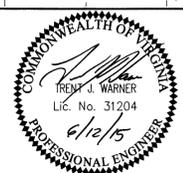
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 FEDERAL PROJECT #: TEA-5118(237)  
 FHWA 534# - (CAPITAL OUTLAY CODE) - 2 028  
 UPC # 106057  
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Approved: City Engineer \_\_\_\_\_ Date \_\_\_\_\_



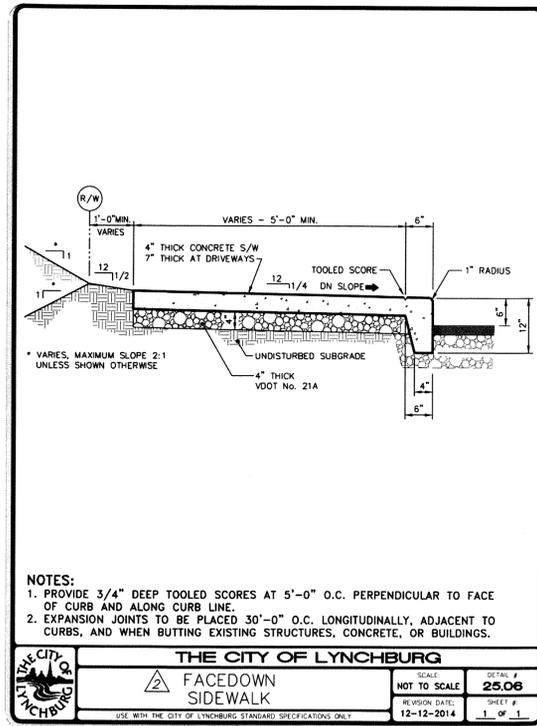
NO.	REVISION	BY	DATE
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14



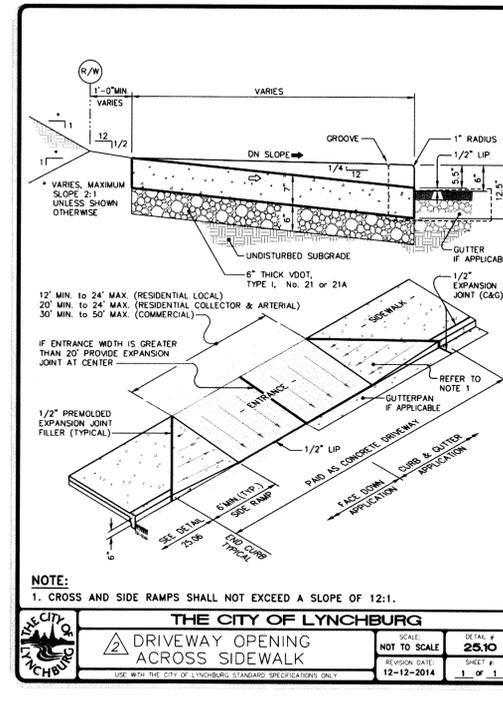
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 118 CORNERSTONE STREET  
 LYNCHBURG, VIRGINIA 24502  
 PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY: GLM  
 DESIGNED BY: JLW  
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 PROJECT No. 13045.00  
 SCALE: GRAPHIC

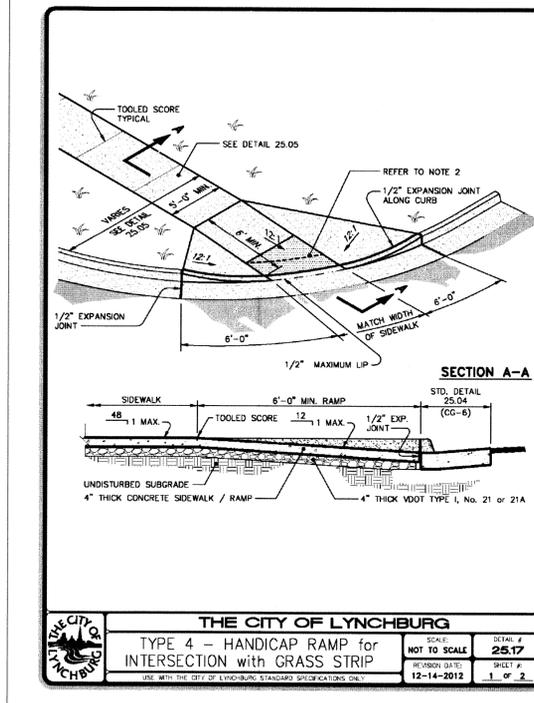
PROJECT:	LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA	DATE:	REV. 6-12-15 10-22-13
TITLE:	SITE PLAN	DRAWING No.:	C3
		SHEET NUMBER:	7 OF 8



THE CITY OF LYNCHBURG  
 SCALE: NOT TO SCALE  
 SHEET # 25.06  
 REVISION DATE: 12-12-2014  
 SHEET # 1 OF 1



THE CITY OF LYNCHBURG  
 SCALE: NOT TO SCALE  
 SHEET # 25.10  
 REVISION DATE: 12-12-2014  
 SHEET # 1 OF 1



THE CITY OF LYNCHBURG  
 SCALE: NOT TO SCALE  
 SHEET # 25.17  
 REVISION DATE: 12-14-2012  
 SHEET # 1 OF 2

**NOTES:**  
 1. CROSS AND SIDE RAMPS SHALL NOT EXCEED A SLOPE OF 12:1.  
 2. CROSS RAMP SHALL HAVE A TRUNCATED DOME PATTERN MEETING THE CURRENT CROSS RAMP SHALL HAVE A TRUNCATED DOME PATTERN MEETING THE CURRENT AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). THE TRUNCATED DOME PATTERN SHALL EXTEND THE FULL WIDTH OF THE CROSS RAMP BY 2 FEET IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL. THE TRUNCATED DOME SURFACE SHALL BE RED IN COLOR TO PRODUCE A 70% CONTRAST WITH SURROUNDING CONCRETE SURFACES. RECOMMENDED MANUFACTURERS INCLUDE 2004 ADA COMPLIANT DETECTABLE WARNING PAVEMENT BY PAVESTONE COMPANY AND STEP-SAFE BY TRANSPRO INDUSTRIES, INC. DETECTABLE WARNING SURFACE SHALL BE INSTALLED WITH THE ELONGATED SIDE PARALLEL TO THE RAMP OPENING. PAVERS/TILES SHALL BE RECESSED TO MOUNT FLUSH WITH THE SURROUNDING CONCRETE RAMP SURFACE.  
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THE CITY OF LYNCHBURG  
 SCALE: NOT TO SCALE  
 SHEET # 25.17  
 REVISION DATE: 12-14-2012  
 SHEET # 2 OF 2

LANDSCAPING LEGEND

SYMBOL	TREE	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	ULTIMATE SIZE	CANOPY PER PLANTING	REMARKS
	AR	12	ACER RUBRUM	RED MAPLE	1 1/2" CALIPER	50' H X 40' W	1,257 SF	TREE
	KC	12	PRUNUS SERRULATA "KWANZAN"	KWANZAN CHERRY	1 1/2" CALIPER	25' H X 20' W	314 SF	TREE

**SOIL PREPARATION**  
 FOR INDIVIDUAL PLANTINGS OR SMALL GROUPINGS THIS PREPARATION CAN BE DONE WITHIN THE PLANTING HOLE FOR LARGER GROUPING THE PLANTING AREA THROUGHOUT THE ENTIRE AREA SHALL BE PREPARED.

- REMOVE ANY SOD, ROOTS, ROCKS AND DEBRIS FROM THE AREA.
- LOOSEN THE SOIL TO A MINIMUM DEPTH OF 8" AND BREAK ANY CLODS.
- APPLY MEASURED AMOUNTS OF FERTILIZER AND MINERAL AMENDMENTS. (SEE SCHEDULE BELOW)
- MIX SOIL THOROUGHLY
- INSURE THAT ALL PLANTING HOLES ARE TWICE THE SIZE OF THE ROOT BALL

**FERTILIZER AND SOIL AMENDMENTS**

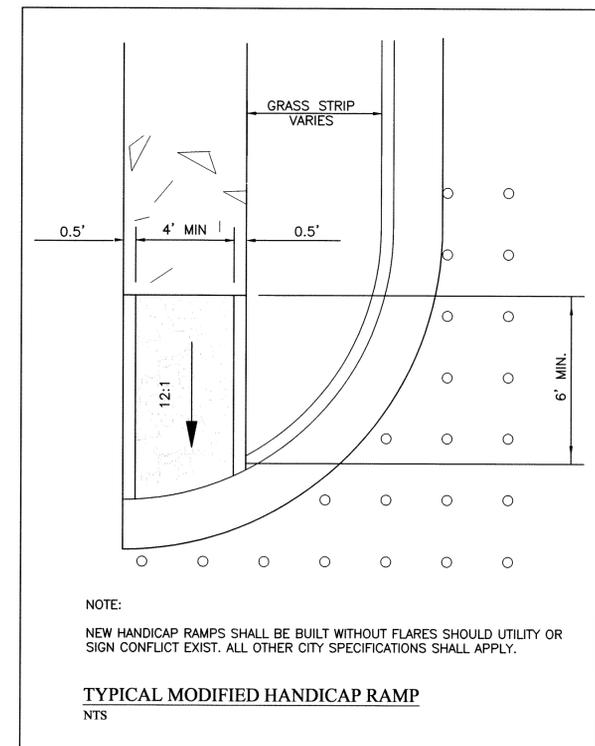
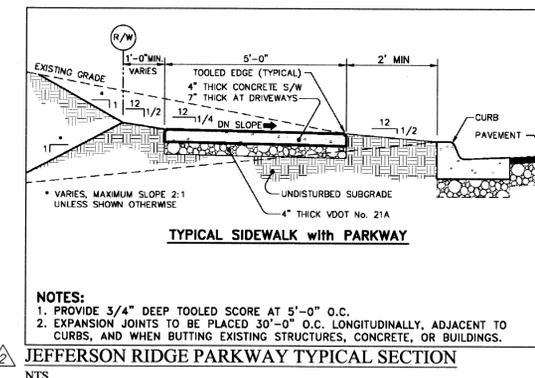
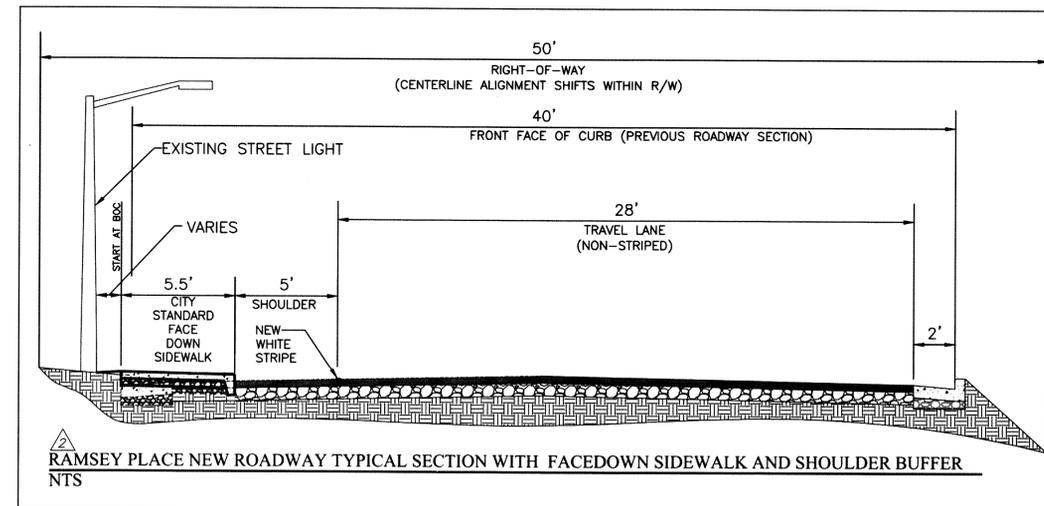
MATERIAL	AMOUNT PER 100 SF
5-5-5 ALL PURPOSE FERTILIZER	6-8 LBS.
REGULAR OR DOLOMITIC LIMESTONE	5 LBS.
GYPSONUM	2 LBS.

12 MONTH WATERING SCHEDULE

- NEW PLANTINGS SHALL BE WATERED AT TIME OF PLANTING AT A RATE OF APPROXIMATELY 1" OVER THE PLANTED AREA.
- DURING THE FIRST MONTH PLANTS SHALL BE WATERED EVERY OTHER DAY AT A RATE OF 1/2" OVER THE PLANTED AREA.
- DURING THE MONTHS OF MARCH THROUGH OCTOBER PLANTS SHALL RECEIVE WATER AT A RATE OF 3" TO 4" A MONTH. WATERING SHOULD TAKE PLACE WEEKLY TO SUPPLEMENT RAINFALL TO ACHIEVE THIS RATE.

NOTE:

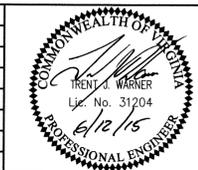
AFTER PLANTING, MULCH ALL AREAS TO A DEPTH OF 6". INDIVIDUAL TREES SHALL BE MULCHED IN A RING 4" IN DIAMETER. CARE SHOULD BE TAKEN NOT TO PULL THE MULCH UP TIGHT TO THE PLANT STEM AS THIS CAN CAUSE DISEASE OR INSECT PROBLEMS. LANDSCAPE FABRIC CAN BE PLACED ON THE GROUND PRIOR TO MULCHING AS A WEED BARRIER.



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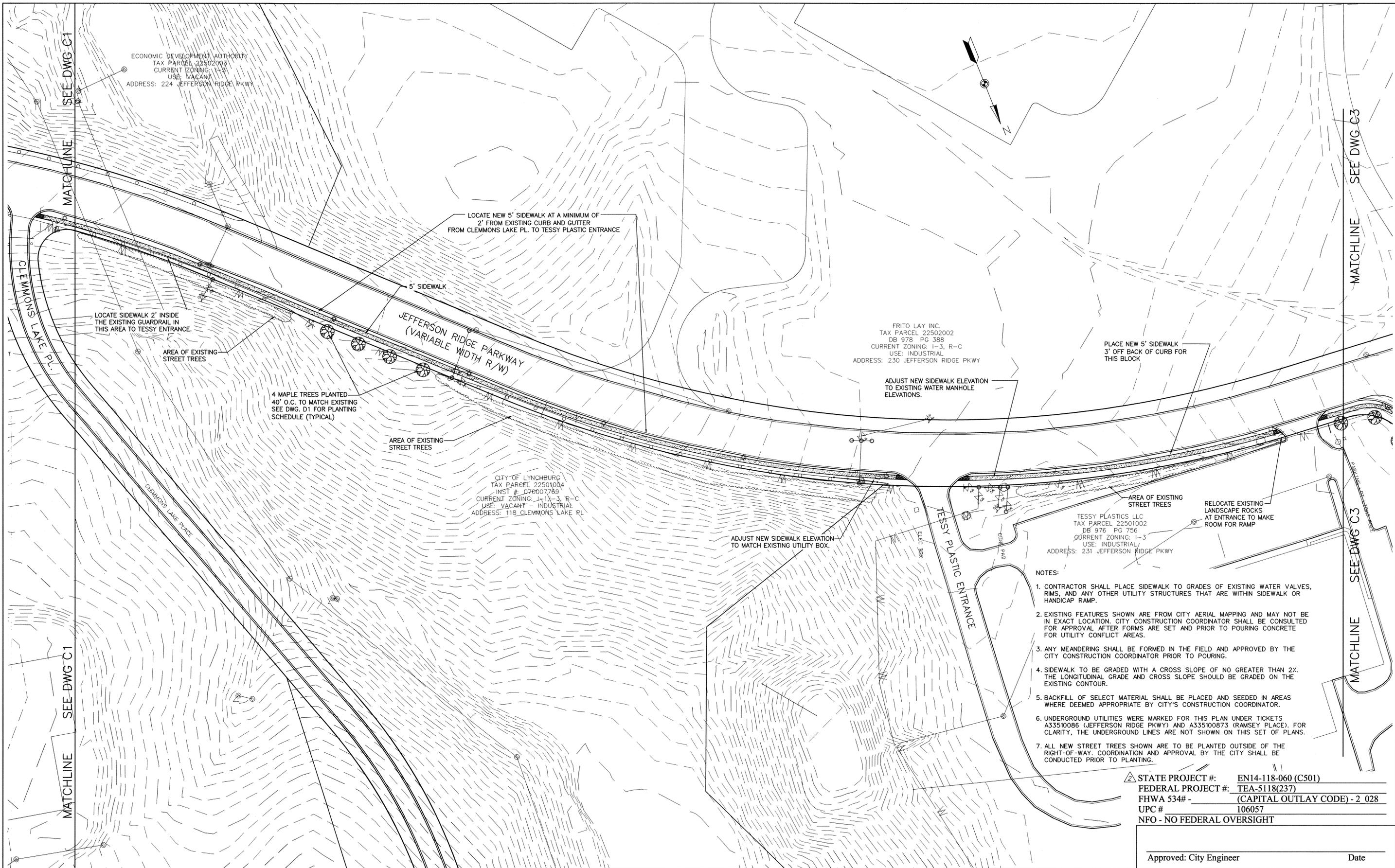
NO.	REVISION	BY	DATE
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14



**WARNER WHITE**  
 ENGINEERING PARTNERS  
 118 CORNERSTONE STREET  
 LYNCHBURG, VIRGINIA 24502  
 PHONE: 434-534-3201 FAX: 434-534-3202

DRAWN BY: GLM  
 DESIGNED BY: JLW  
 REVIEWED BY: TJW  
 PROJECT NO. 13045.00  
 SCALE: GRAPHIC

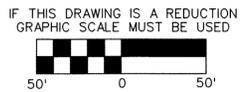
PROJECT:	DATE:
LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA	REV. 6-12-15 10-22-13
TITLE: DETAILS	DRAWING No: D1
	SHEET NUMBER: 8 OF 8



- NOTES:
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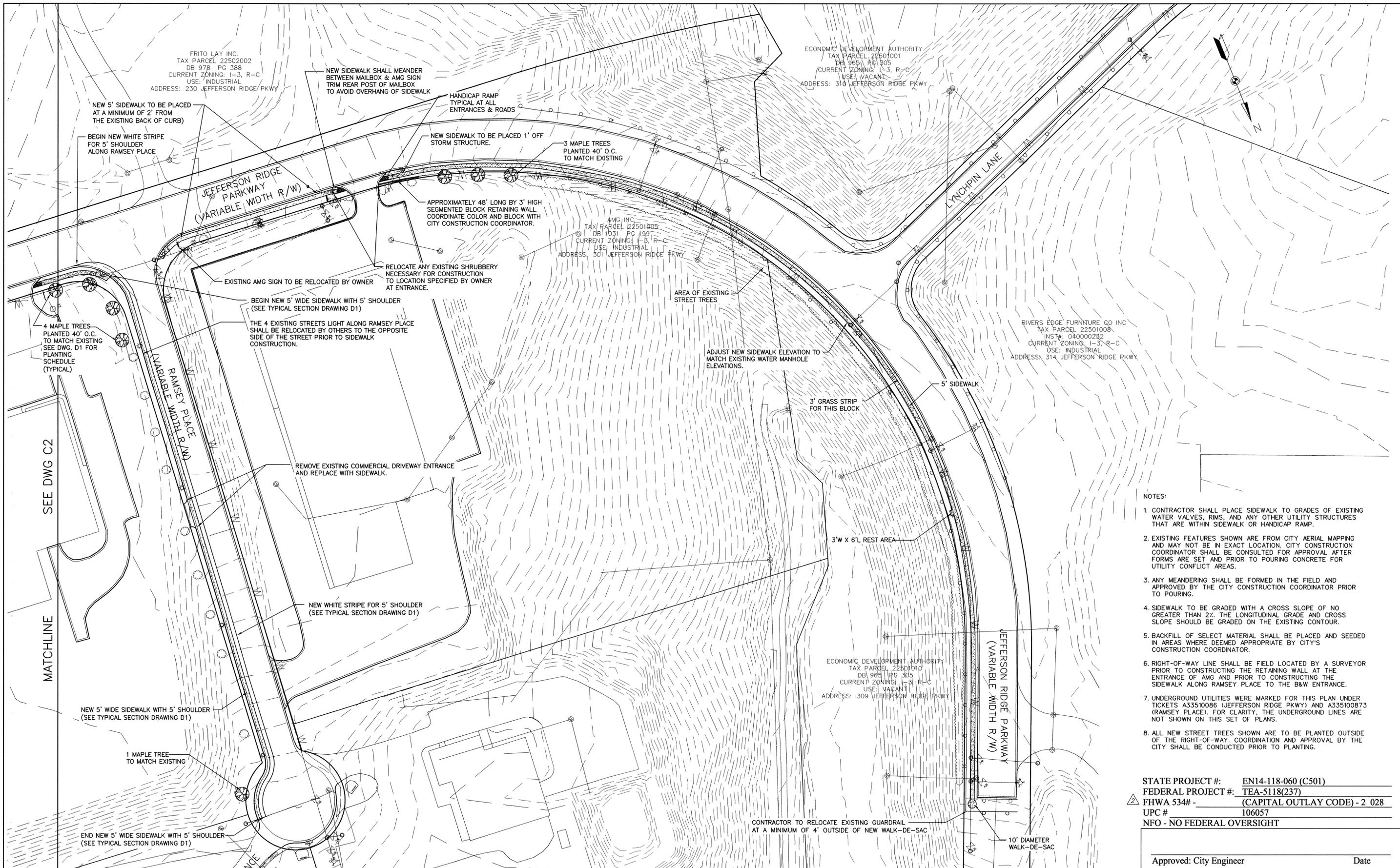


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PROJECT: LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA  
 TITLE: SITE PLAN

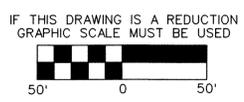
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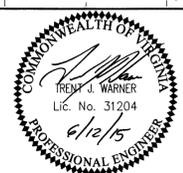
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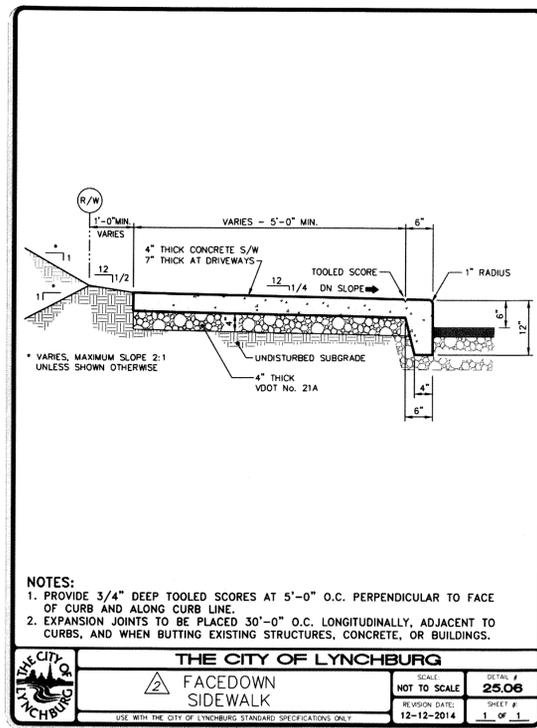
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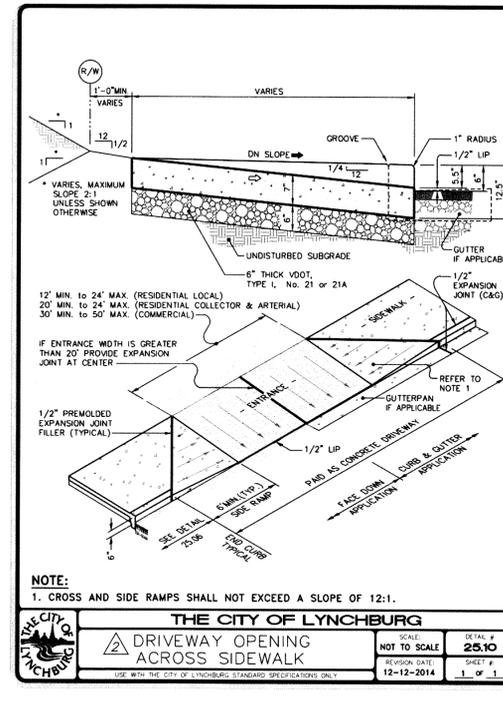
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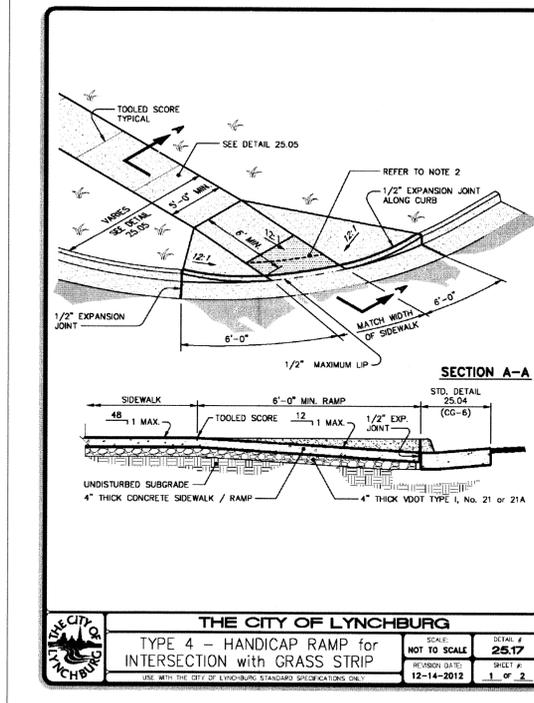
PROJECT:	LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA	DATE:	REV. 6-12-15 10-22-13
TITLE:	SITE PLAN	DRAWING No.:	C3
		SHEET NUMBER:	7 OF 8



THE CITY OF LYNCHBURG  
 FACEDOWN SIDEWALK  
 SCALE: NOT TO SCALE  
 SHEET # 25.06  
 REVISION DATE: 12-12-2014  
 SHEET # 1 OF 1



THE CITY OF LYNCHBURG  
 DRIVEWAY OPENING ACROSS SIDEWALK  
 SCALE: NOT TO SCALE  
 SHEET # 25.10  
 REVISION DATE: 12-12-2014  
 SHEET # 1 OF 1



THE CITY OF LYNCHBURG  
 TYPE 4 - HANDICAP RAMP for INTERSECTION with GRASS STRIP  
 SCALE: NOT TO SCALE  
 SHEET # 25.17  
 REVISION DATE: 12-14-2012  
 SHEET # 1 OF 2

**NOTES:**  
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 2. CROSS RAMP SHALL HAVE A TRUNCATED DOME PATTERN MEETING THE CURRENT CROSS RAMP SHALL HAVE A TRUNCATED DOME PATTERN MEETING THE CURRENT AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). THE TRUNCATED DOME PATTERN SHALL EXTEND THE FULL WIDTH OF THE CROSS RAMP BY 2 FEET IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL. THE TRUNCATED DOME SURFACE SHALL BE RED IN COLOR TO PRODUCE A 70% CONTRAST WITH SURROUNDING CONCRETE SURFACES. RECOMMENDED MANUFACTURERS INCLUDE 2004 ADA COMPLIANT DETECTABLE WARNING PAVEMENT BY PAVESTONE COMPANY AND STEP-SAFE BY TRANSPRO INDUSTRIES, INC. DETECTABLE WARNING SURFACE SHALL BE INSTALLED WITH THE ELONGATED SIDE PARALLEL TO THE RAMP OPENING. PAVERS/TILES SHALL BE RECESSED TO MOUNT FLUSH WITH THE SURROUNDING CONCRETE RAMP SURFACE.  
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THE CITY OF LYNCHBURG  
 TYPE 4 - HANDICAP RAMP for INTERSECTION with GRASS STRIP  
 SCALE: NOT TO SCALE  
 SHEET # 25.17  
 REVISION DATE: 12-14-2012  
 SHEET # 2 OF 2

LANDSCAPING LEGEND

SYMBOL	TREE	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	ULTIMATE SIZE	CANOPY PER PLANTING	REMARKS
	AR	12	ACER RUBRUM	RED MAPLE	1 1/2" CALIPER	50' H X 40' W	1,257 SF	TREE
	KC	12	PRUNUS SERRULATA "KWANZAN"	KWANZAN CHERRY	1 1/2" CALIPER	25' H X 20' W	314 SF	TREE

**SOIL PREPARATION**  
 FOR INDIVIDUAL PLANTINGS OR SMALL GROUPINGS THIS PREPARATION CAN BE DONE WITHIN THE PLANTING HOLE FOR LARGER GROUPING THE PLANTING AREA THROUGHOUT THE ENTIRE AREA SHALL BE PREPARED.

1. REMOVE ANY SOD, ROOTS, ROCKS AND DEBRIS FROM THE AREA.
2. LOOSEN THE SOIL TO A MINIMUM DEPTH OF 8" AND BREAK ANY CLODS.
3. APPLY MEASURED AMOUNTS OF FERTILIZER AND MINERAL AMENDMENTS. (SEE SCHEDULE BELOW)
4. MIX SOIL THOROUGHLY
5. INSURE THAT ALL PLANTING HOLES ARE TWICE THE SIZE OF THE ROOT BALL

**FERTILIZER AND SOIL AMENDMENTS**

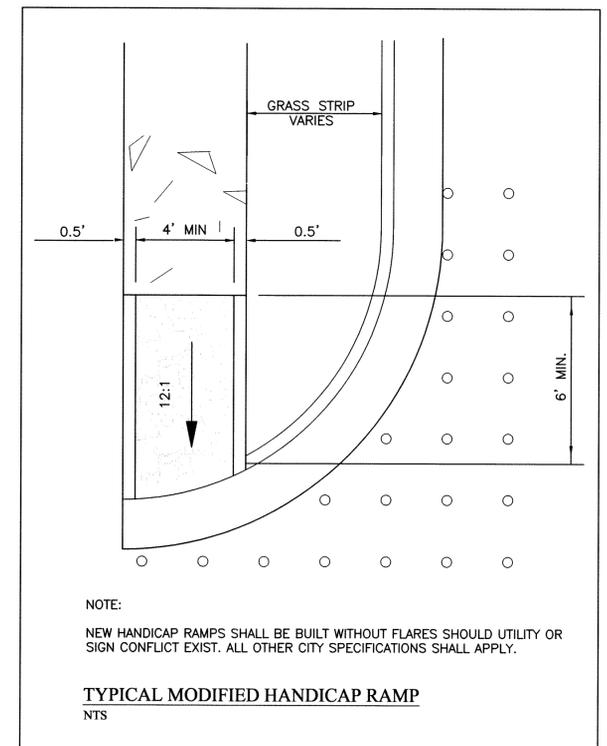
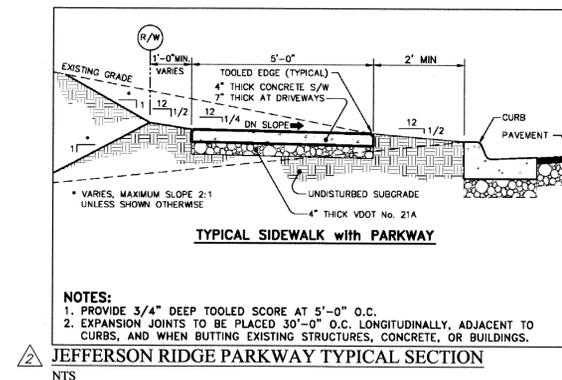
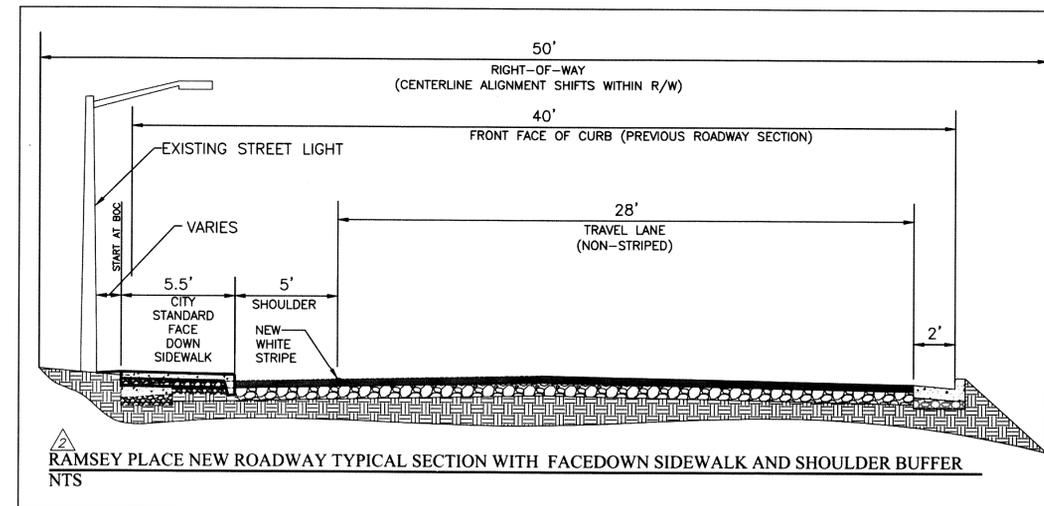
MATERIAL	AMOUNT PER 100 SF
5-5-5 ALL PURPOSE FERTILIZER	6-8 LBS.
REGULAR OR DOLOMITIC LIMESTONE	5 LBS.
GYPSONUM	2 LBS.

12 MONTH WATERING SCHEDULE

1. NEW PLANTINGS SHALL BE WATERED AT TIME OF PLANTING AT A RATE OF APPROXIMATELY 1" OVER THE PLANTED AREA.
2. DURING THE FIRST MONTH PLANTS SHALL BE WATERED EVERY OTHER DAY AT A RATE OF 1/2" OVER THE PLANTED AREA.
3. DURING THE MONTHS OF MARCH THROUGH OCTOBER PLANTS SHALL RECEIVE WATER AT A RATE OF 3" TO 4" A MONTH. WATERING SHOULD TAKE PLACE WEEKLY TO SUPPLEMENT RAINFALL TO ACHIEVE THIS RATE.

**NOTE:**

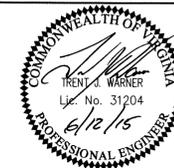
AFTER PLANTING, MULCH ALL AREAS TO A DEPTH OF 6". INDIVIDUAL TREES SHALL BE MULCHED IN A RING 4" IN DIAMETER. CARE SHOULD BE TAKEN NOT TO PULL THE MULCH UP TIGHT TO THE PLANT STEM AS THIS CAN CAUSE DISEASE OR INSECT PROBLEMS. LANDSCAPE FABRIC CAN BE PLACED ON THE GROUND PRIOR TO MULCHING AS A WEED BARRIER.



STATE PROJECT #: EN14-118-060 (C501)  
 FEDERAL PROJECT #: TEA-5118(237)  
 FHWA 534# - (CAPITAL OUTLAY CODE) - 2 028  
 UPC # 106057  
 NFO - NO FEDERAL OVERSIGHT

Approved: City Engineer \_\_\_\_\_ Date \_\_\_\_\_

NO.	REVISION	BY	DATE
2	REVISED PER VDOT AND CITY COMMENTS	MWW	6-12-15
1	REVISED TO ADD STREET TREES	TJW	3-5-14



**WARNER WHITE**  
 ENGINEERING PARTNERS  
 118 CORNERSTONE STREET  
 LYNCHBURG, VIRGINIA 24502  
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DRAWN BY: GLM  
 DESIGNED BY: JLW  
 REVIEWED BY: TJW  
 PROJECT No. 13045.00  
 SCALE: GRAPHIC

PROJECT:	DATE:
LYNCHPIN INDUSTRIAL CENTER SIDEWALK LYNCHBURG, VIRGINIA	REV. 6-12-15 10-22-13
TITLE: DETAILS	DRAWING No: D1
	SHEET NUMBER: 8 OF 8