

THE COMPLETE ELECTRONIC .PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, REV 1 AND 2 INCORPORATED MAY 2012), 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL (REV 2.1 INCORPORATED NOVEMBER 1, 2020), AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

NOTES:
 1. RECORD DRAWING AND CONSTRUCTION CERTIFICATION NOTE: THE STORMWATER MANAGEMENT/BMP FACILITY AND ASSOCIATED STORMWATER CONVEYANCE SYSTEM(S) AS PROPOSED FOR THIS PROJECT WILL REQUIRE THE SUBMISSION, REVIEW AND APPROVAL OF A RECORD DRAWING (AS-BUILT) AND CONSTRUCTION CERTIFICATION PRIOR TO FINAL ACCEPTANCE. RECORD DRAWING AND CONSTRUCTION CERTIFICATION IS REQUIRED TO BE RECORDED AND CHECKED BY A LICENSED SURVEYOR.

2. STORMWATER NOTE: CONTRACTOR TO CONTACT ENVIRONMENTAL STORMWATER MANAGEMENT AT 823-4089 (48-HOUR NOTICE) FOR PRE-CONSTRUCTION CONFERENCE AND INSPECTION REQUIREMENT WHEN A BMP IS PROPOSED AND/OR TIE-IN TO CITY STORM DRAIN SYSTEM.

3. TOLERANCE NOTES:

3.A. ALL STORM DRAINAGE SHALL BE INSTALLED WITHIN 0.10' (ONE TENTH OF A FOOT) OF THE ELEVATION SHOWN ON THE PLAN, OR AS SPECIFIED IN WRITING BY THE CITY.

3.B. MINIMUM STORM SEWER SLOPE SPECIFIED ON THE PLAN ARE ABSOLUTE MINIMUM. LESSER SLOPE WILL NOT BE ACCEPTED UNLESS IN WRITING BY THE CITY.

3.C. CONTRACTOR TO BE RESPONSIBLE FOR ALL CORRECTION COST (I.E. PLAN REVISION, PHYSICAL CORRECTION, ETC.) REQUIRED AS A RESULT OF INSTALLATION NOT MEETING THE TOLERANCE REQUIREMENT.

4. THE CONTRACTOR SHALL CONTACT THE CITY OF NORFOLK, BUREAU OF ENVIRONMENTAL SERVICES AT 757-664-4368 AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY SO THAT A LAND DISTURBING PERMIT CAN BE ISSUED, AND PRE-CONSTRUCTION CONFERENCE CAN BE SCHEDULED.

5. THIS SITE REQUIRES A VSMP CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS REQUIRED TO SECURE PERMIT COVERAGE FROM THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE REQUIRED BY THE PROJECT BY SUBMITTING A COMPLETE REGISTRATION STATEMENT AND PAYING THE APPROPRIATE PERMIT FEE TO THE CITY OF NORFOLK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING PERMIT COMPLIANCE DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO INSPECTIONS, SWPPP UPDATES, ETC. CONTACT NORFOLK ENVIRONMENTAL SERVICES AT 757-644-4368 FOR FURTHER INFORMATION. THIS PROJECT UTILIZES PART IIb CRITERIA FOR DETERMINING IT'S POST DEVELOPMENT STORM WATER MANAGEMENT DESIGN.

THE CONTRACTOR SHALL CONTACT THE CITY OF NORFOLK, BUREAU OF ENVIRONMENTAL SERVICES AT 664-4368 AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY SO THAT A LAND DISTURBING PERMIT CAN BE ISSUED, AND A PRECONSTRUCTION CONFERENCE CAN BE SCHEDULED.

TOTAL LAND DISTURBANCE AREA: 1.54 ACRES
 PRE DEVELOPMENT IMPERVIOUS AREA: 0.03 (ACRES)
 POST DEVELOPMENT IMPERVIOUS AREA: 0.59 (ACRES)



FHWA-534-43128
 UPC 112759

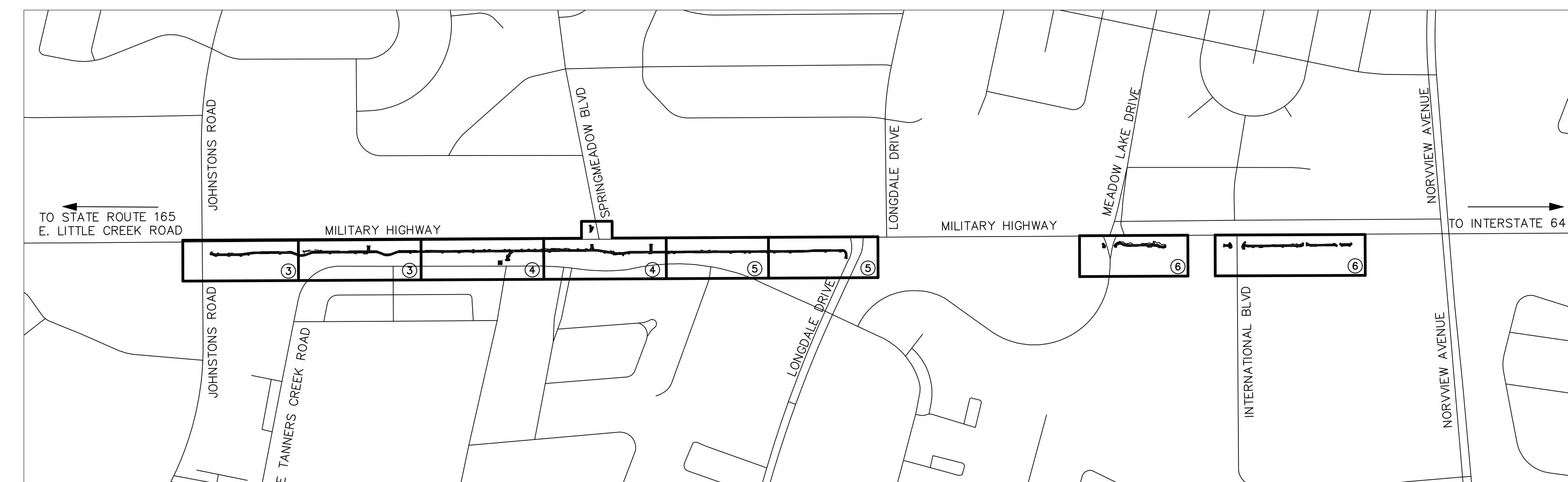
STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
VA.	STP-5A03(957)	165	U000-122-407 SEE TABULATIONS BELOW FOR SECTION NUMBERS	1

COMMONWEALTH OF VIRGINIA



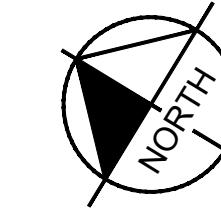
PLAN OF PROPOSED CITYWIDE PEDESTRIAN SAFETY IMPROVEMENTS

SP2023-0003



SEE SHEET 7 FOR INTERSECTION OVERVIEW AND MAP.

VICINITY MAP
 1 - 350'



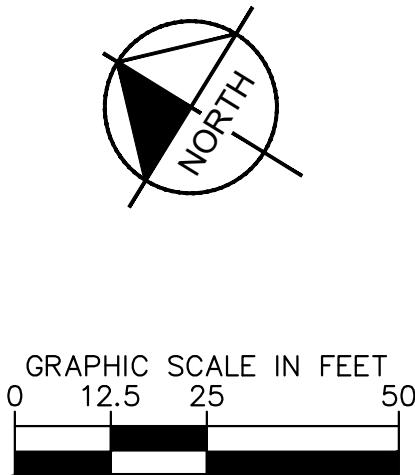
CITY OF NORFOLK POPULATION 238,005 (2020 CENSUS)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES		
PE-101	STP-5A03(957)			112759	4,169	0.789	4,169	0.789	PRELIM. ENG.	FR: JOHNSTONS RD TO: NORVIEW AVE
RW-201	STP-5A03(072)			112759	4,169	0.789	4,169	0.789	RIGHT-OF-WAY	FR: JOHNSTONS RD TO: NORVIEW AVE
C-501	STP-5A03(073)	1000		112759	4,169	0.789	4,169	0.789	CONSTRUCTION	FR: JOHNSTONS RD TO: NORVIEW AVE

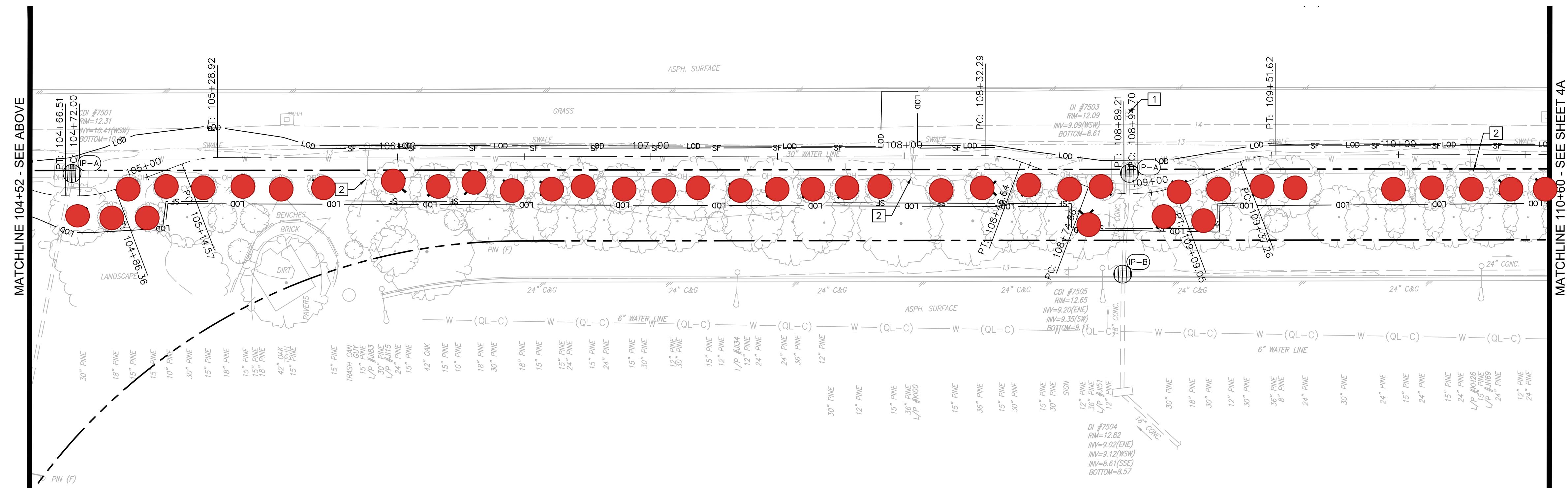
NOTE: PROJECT LENGTH BASED ON CONSTRUCTION BASELINE

TIER 1 PROJECT	
LOCALLY ADMINISTERED PROJECTS	
CITY OF NORFOLK	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	CITY TRANSPORTATION ENGINEER
DATE	DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

THIS PROJECT WAS DESIGNED UTILIZING AUTOCAD CIVIL 3D 2022 DESIGN SOFTWARE. UPC NO. (112759)
 Copyright 2023, Commonwealth of Virginia



52 trees to be removed



18

	REMOVE EXISTING TREE	1	DEMOLISH EXISTING SIGN POST AND FOUNDATION
	DEMOLITION OF RIGID PAVEMENT	2	DO NOT DISTURB EXISTING UTILITY
	DEMOLITION OF FLEXIBLE PAVEMENT	3	ADJUST UTILITY TO GRADE
		4	SAWCUT EXISTING PAVEMENT
	INLET PROTECTION PER VDOT STD EC-6	5	DEMOLISH EXISTING CURB
	SILT FENCE (TYPE A)	6	ERADICATE EXISTING PAVEMENT MARKINGS
	LIMITS OF DISTURBANCE	7	CONTRACTOR TO REMOVE EXISTING PUSH BUTTON AND SIGN
		8	CONTRACTOR TO REMOVE EXISTING SP-9 PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON

NOTES

- 1) CONTRACTOR TO COORDINATE WITH DOMINION ENERGY FOR TREE REMOVAL IN CLOSE PROXIMITY TO OVERHEAD UTILITIES.
- 2) THE CONTRACTOR SHALL APPLY ECS-1B BIODEGRADABLE MATTING OR AND APPROVED OTHER IN ACCORDANCE WITH VDOT STD. EC-3 TO ALL DISTURBED AREA WITHIN THE RIGHT OF WAY FOR FINAL STABALIZATION. THE COST OF THE MATTING SHALL BE INCIDENTAL TO THE SQUARE ACRE COST OF TOPSOIL CLASS A 2"
- 3) THE CITY OF NORFOLK DOES NOT ALLOW GRAVEL/WIRE MESH INLET PROTECTION WITHIN THE CITY RIGHT OF WAY

CITYWIDE PEDESTRIAN SAFETY IMPROVEMENTS

DEMOLITION AND F&S PI AN

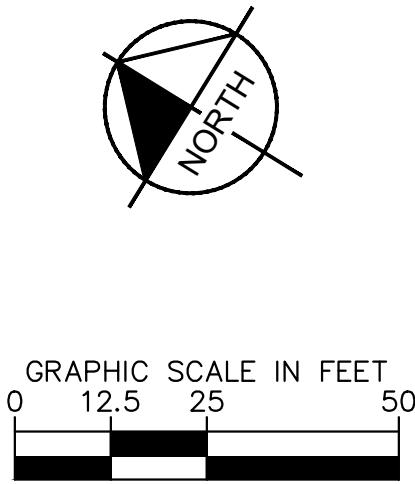
PREPARED FOR
CITY OF NORFOLK

Kimley Horn

KIMBLEY-HORN AND ASSOCIATES, INC.
1000 E. SUITE 1000, VIRGINIA BEACH, VA 23462
557-213-8600 FAX: 757-213-8601
WWW.KIMBLEY-HORN.COM

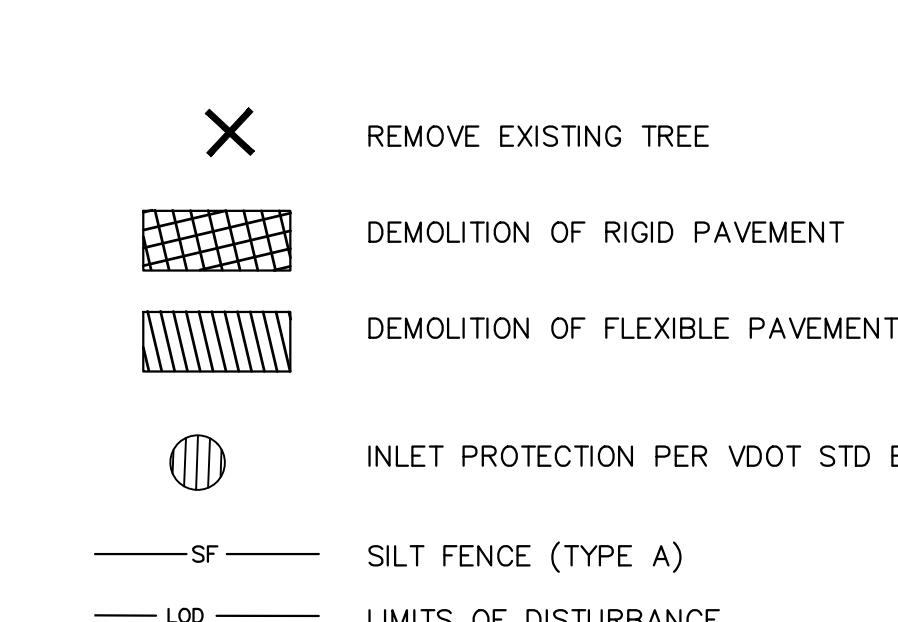
CHARTERED HISTORICAL ASSOCIATION PROJECT 1116057175		DATE 8/14/2023
 <p>NOTARY PUBLIC ANGELA PROFESSIONAL 08/11/2023</p>		

KIMLEY-HORN AND ASSOCIATES, INC.
1000, VIRGINIA BEACH, VA 23462
57-213-8600 FAX: 757-213-8601
WWW.KIMLEY-HORN.COM



GRAPHIC SCALE IN FEET
0 12.5 25 50

16 trees to be removed



- 1 CONTRACTOR TO SALVAGE EXISTING SIGN PANEL
DEMOLISH EXISTING SIGN POST AND FOUNDATION
- 2 DO NOT DISTURB EXISTING UTILITY
- 3 ADJUST UTILITY TO GRADE
- 4 SAWCUT EXISTING PAVEMENT
- 5 DEMOLISH EXISTING CURB
- 6 ERADICATE EXISTING PAVEMENT MARKINGS
- 7 CONTRACTOR TO REMOVE EXISTING PUSH BUTTON
AND SIGN
- 8 CONTRACTOR TO REMOVE EXISTING SP-9
PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON

15

NOTES:

- 1) CONTRACTOR TO COORDINATE WITH DOMINION ENERGY FOR TREE REMOVAL IN CLOSE PROXIMITY TO OVERHEAD UTILITIES.
- 2) THE CONTRACTOR SHALL APPLY ECS-1B BIODEGRADABLE MATTING OR AND APPROVED OTHER IN ACCORDANCE WITH VDOT STD. EC-3 TO ALL DISTURBED AREA WITHIN THE RIGHT OF WAY FOR FINAL STABALIZATION. THE COST OF THE MATTING SHALL BE INCIDENTAL TO THE SQUARE ACRE COST OF TOPSOIL CLASS A 2"
- 3) THE CITY OF NORFOLK DOES NOT ALLOW GRAVEL/WIRE MESH INLET PROTECTION WITHIN THE CITY RIGHT OF WAY.

CITYWIDE PEDESTRIAN SAFETY IMPROVEMENTS

DEMOLITION AND E&S DI AN

L&S PLAN
JOHNSTONS TO LONGDALE
STA. 110+50 TO STA. 122+50

Kimley Horn

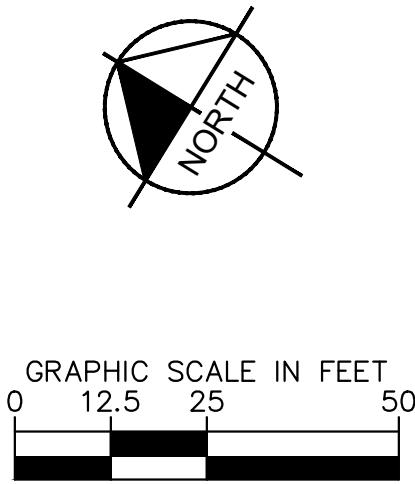
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777, SUITE 1000, VIRGINIA BEACH, VA 2346
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WWW.KIMLEY-HORN.COM

CITYWIDE PEDESTRIAN SAFETY IMPROVEMENTS

PREPARED FOR
CITY OF NORFOLK

REVISIONS	DATE	BY

SHEET 1



GRAPHIC SCALE IN FEET
0 12.5 25 50

42 trees to be planted

PLANT SCHEDULE- SHEET 40

<u>DECIDUOUS TREES</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>HEIGHT</u>
	11	<i>Acer rubrum 'Autumn Blaze'</i>	Autumn Blaze Red Maple	B & B	2" CAL. MIN.
	4	<i>Platanus x acerifolia 'Bloodgood'</i>	Bloodgood London Plane Tree	B & B	2" CAL. MIN.
<u>ORNAMENTAL TREES</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>HEIGHT</u>
	7	<i>Cercis canadensis 'Forest Pansy' TM</i>	Forest Pansy Redbud	B & B	10` HT. MIN.
	6	<i>Cornus x rutgersensis 'Stellar Pink'</i>	Pink Flowering Stellar Dogwood	B & B	10` HT. MIN.
	9	<i>Prunus x yedoensis</i>	Yoshino Cherry	B & B	10` HT. MIN.
<u>EVERGREEN TREES</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>HEIGHT</u>
	3	<i>Ilex x 'Nellie R Stevens'</i>	Nellie Stevens Holly	B & B	6` HT MIN.
	2	<i>Magnolia grandiflora 'Little Gem'</i>	Dwarf Southern Magnolia	B & B	6` HT MIN.

GENERAL NOTES:

1. SEED ALL AREAS WITHIN PROPERTY LIMITS THAT ARE NOT COVERED WITH MULCHED PLANT BEDS, STONE MULCH, BUILDINGS, Hardscape, Pavement, OR OTHERWISE NOTED.
2. SEED WITH PERMANENT LAWN GRASS ALL AREAS WITHIN THE RIGHT OF WAY'S WHICH ARE NOT OTHERWISE COVERED WITH PLANTING BEDS, PAVEMENT,BUILDINGS, OR Hardscape, PER THE SEEDING SPECIFICATIONS ON SHEET CP-501.
3. EXISTING TREES AND SHRUBS INDICATED TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY INSTALLING TREE PROTECTIVE FENCING PER THE PROJECT PLANS AND SPECIFICATIONS.
4. SEE SHEET 2F FOR PLANTING NOTES AND DETAILS.
5. SEE SHEET 2F FOR MASTER PLANT SCHEDULE.

**CITYWIDE PEDESTRIAN
SAFETY IMPROVEMENTS**

PREPARED FOR

CITY OF NORFOLK

LANDSCAPE PLAN

JOHNSTONS TO LONGDALE STA
110+50 TO STA. 122+50

SHEET NUMBER
4D

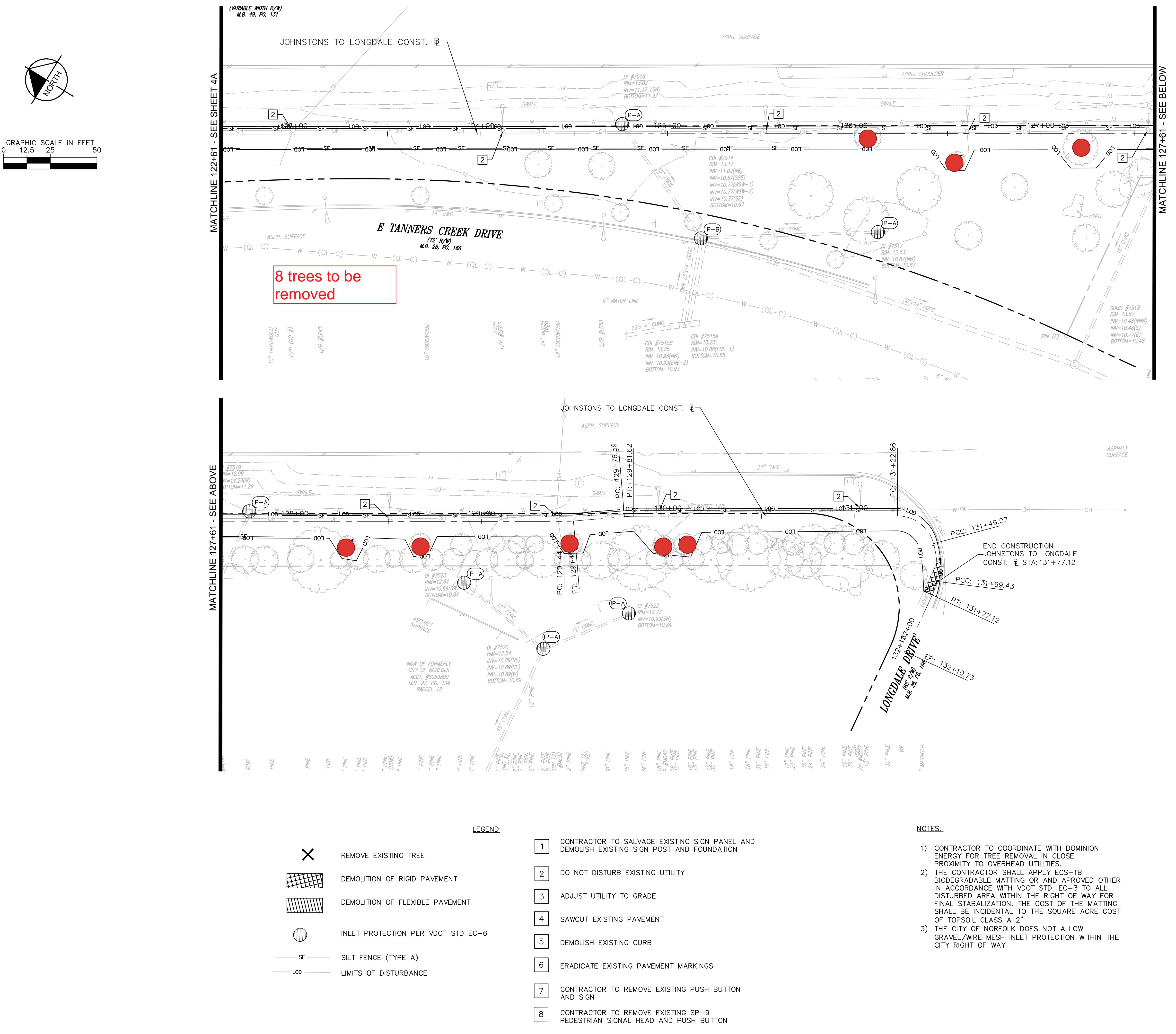
Kimley-Horn

KHA PROJECT 116057175	DATE 08/14/2023	SCALE AS SHOWN	DESIGNED BY MAM	DRAWN BY MAM	CHECKED BY AFC
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LANDSCAPE PLAN

JOHNSTONS TO LONGDALE STA

1 10+50 TO STA. 122+50



**CITYWIDE PEDESTRIAN
SAFETY IMPROVEMENTS**

**DEMOLITION AND
E&S PLAN**

JOHNSTONS TO LONGDALE

STA. 122+50 TO STA. 132+00

PREPARED FOR

CITY OF NORFOLK

VIRGINIA

CITYWIDE PEDESTRIAN SAFETY IMPROVEMENTS

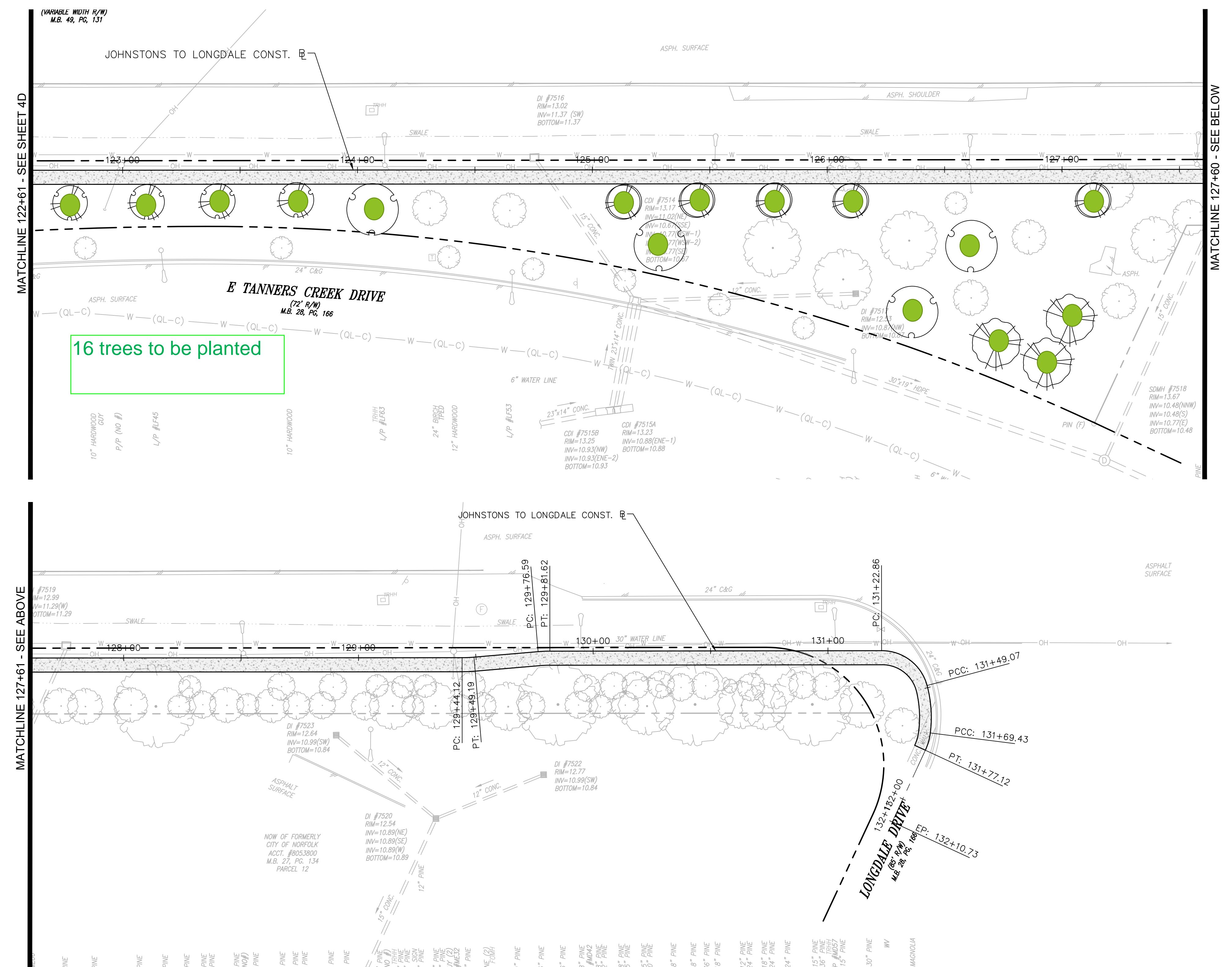
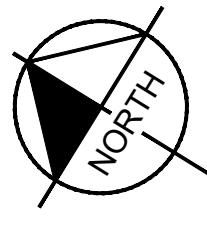
PREPARED FOR
CITY OF NORFOLK

VIRGINIA

11605/1/5	DATE 08/14/2023	SCALE AS SHOWN	DESIGNED BY MAM	DRAWN BY MAM	CHECKED BY AFC
<p>© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 4525 MAIN STREET, SUITE 1000, VIRGINIA BEACH, VA 23462 PHONE: 757-213-8600 FAX: 757-213-8601 WWW.KIMLEY-HORN.COM</p>					
<p>REFID: NO. 11605/1/5</p>					

TOTAL
76 TREES TO BE REMOVED
76 TREES TO BE PLANTED

GRAPHIC SCALE IN FEET
0 12.5 25 50



PLANT SCHEDULE - SHEET 5D

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT
+	4	Acer rubrum 'Autumn Blaze'	Autumn Blaze Red Maple	B & B	2" CAL. MIN.
+	3	Betula nigra 'Dura-Heat'	River Birch Multi-Trunk	B & B	2" CAL. MIN.
+	5	Cercis canadensis 'Forest Pansy' TM	Forest Pansy Redbud	B & B	10' HT. MIN.
+	4	Cornus x rugersensis 'Stellar Pink'	Pink Flowering Stellar Dogwood	B & B	10' HT. MIN.

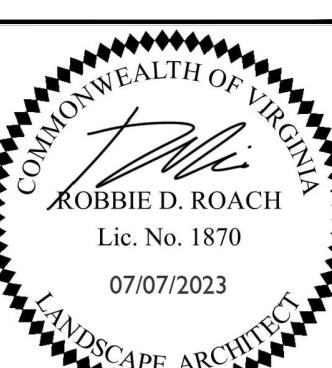
ORNAMENTAL TREES

GENERAL NOTES:

- SEED ALL AREAS WITHIN PROPERTY LIMITS THAT ARE NOT COVERED WITH MULCHED PLANT BEDS, STONE MULCH, BUILDINGS, HARDSCAPE, PAVEMENT, OR OTHERWISE NOTED.
- SEED WITH PERMANENT LAWN GRASS ALL AREAS WITHIN THE RIGHT OF WAY'S WHICH ARE NOT OTHERWISE COVERED WITH PLANTING BEDS, PAVEMENT, BUILDINGS, OR HARDSCAPE, PER THE SEEDING SPECIFICATIONS ON SHEET CP-501.
- EXISTING TREES AND SHRUBS INDICATED TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY INSTALLING TREE PROTECTIVE FENCING PER THE PROJECT PLANS AND SPECIFICATIONS.
- SEE SHEET 2F FOR PLANTING NOTES AND DETAILS.
- SEE SHEET 2F FOR MASTER PLANT SCHEDULE.

CITYWIDE PEDESTRIAN SAFETY IMPROVEMENTS
PREPARED FOR
CITY OF NORFOLK
CITY OF NORFOLK
SHEET NUMBER
5D

Kimley»Horn



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DATE: BY: _____

No. _____

REVISIONS: _____

DATE: BY: _____