**SHEET INDEX** 

SHEET TITLE

**COVER** 

**LEGEND & NOTES** 

**MAP KEY INDEX** 

U-5534 (I) SHEET (1)

U-5534 (I) SHEET (2)

U-5534 (I) SHEET (3)

U-5534 (J) SHEET (1)

U-5534 (J) SHEET (2)

U-5534 (J) SHEET (3)

U-5534 (J) SHEET (4)

U-5534 (J) SHEET (5)

U-5534 (J) SHEET (6)

U-5534 (J) SHEET (7)

U-5534 (K) SHEET (1)

U-5534 (K) SHEET (2)

U-5534 (K) SHEET (3)

U-5534 (K) SHEET (4)

**CIVIL DETAILS** 

**E&SC DETAILS** 

**DRIVEWAY TURNOUT** 

TRAFFIC MANAGEMENT

**PLAN** 

TRAFFIC MANAGEMENT

**PLAN** 

TIP PROJECT NO.

U5534 (I)

U5534 (I)

U5534 (I)

U5534 (J)

U5534 (K)

U5534 (K)

U5534 (K)

U5534 (K)

--

--

**SHEET** 

**NUMBER** 

C-100

G-100

C-101

**C-102** 

C-103

C-104

**C-105** 

C-106

**C-107** 

C-108

C-109

C-110

C-111

C-112

**C-113** 

C-114

**C-115** 

**DT-101** 

**DT-102** 

**DT-103** 

**TCP-100** 

**TCP-101** 

# 2014 STP-DA PEDESTRIAN IMPROV

## 2014 STP-DA PEDESTRIAN IMPROVEMENTS

TIP #'s: U5534(I), U5534(J), U5534(K)

FOR

TOWN OF LELAND LELAND, NORTH CAROLINA

## 100% DRAWINGS DECEMBER 2019

REVISED 11/5/2020 for Bid Date of 12/3/2020

2018 NCDOT Standard Specifications for Roads and Structures





VICINITY MAP

NOT TO SCALE

SURVEYOR
ROBERT H. GOSLEE
& ASSOCIATES, PA
513 CHESTNUT STREET
WILMINGTON, NC 28401
BOB JONES, JR., PLS

TEL: 910-763-1941

rhgilm@bellsouth.net

AECOM - NORTH CAROLINA
LICENSURE NUMBER C-2243
201 N. FRONT STREET, SUITE 509
WILMINGTON, NC 28401
Thomas R. Hepler, PE, PLS
TEL: 919.239.7171
CELL: 919.923.1920
www.aecom.com
tom.hepler@aecom.com

OWNER
TOWN OF LELAND
102 TOWN HALL DRIVE
LELAND, NC 28451
DAVID HOLLIS
TEL: 910-371-1249
dhollis@townofleland.com



\\1612VH\_W89002\WLM\_BACKUPS\\_ILM PROJECTS\TOWN OF LELAND\STP-DA PROJECTS\STP-DA 2014\5-DESIGN DRAWINGS\SHEETS\2014 STP-DA\_PLAN VIEW -

## XIS TING CIVIL Ш **Q**

Ш

ND

NEW CIVIL LEGEND		X			W W W	SS ———————————————————————————————————	SD SD		ROW ROW ROW			ď		X	<b>+</b> -	8	$\odot$	
	WOODS LINE	EX. FENCE LINE	EX. SURVEYED TOP OF BANK	EX. STORM DRAINAGE EASEMENT	EX. WATER LINE	EX. SANITARY SEWER	EX. STORM DRAINAGE	DEED PROPERTY LINE	EX. RIGHT OF WAY	EX. MINOR CONTOUR	EX. MAJOR CONTOUR	UTILITY POLE	MAILBOX	WATER VALVE	FIRE HYDRANT	SANITARY SEWER CLEANOUT	SANITARY SEWER MANHOLE	STORM DRAINAGE MANHOLE

THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT

×		4		+ 144.00	TCE	18————————————————————————————————————
TREE DEMOLITION/REMOVAL	BOLLARD  RIP RAP OUTLET PROTECTION	HEADWALL	DRAINAGE SWALE  CATCH BASIN  DROP INLET	TEMPORARY CONSTRUCTION EASEMENT AREA SPOT ELEVATION STORM DRAINAGE PIPE	SILT FENCE STONE OUTLET FLARED END SECTION TEMPORARY CONSTRUCTION EASEMENT	PROP MINOR CONTOUR  TREE PROTECTION FENCE  SILT FENCE  LIMITS OF DISTURBANCE  PERMANENT UTILITY EASEMENT  HARDWARE CLOTH & GRAVEL INLET PROTECTION
T.O.B. TP TYP. WV WWF	TBM TC TEL PED TMH	SHWT STM STY	SAN MH SD SDMH SF	RCP S SAN	PVC PVI R RBC	MUTCD PC PIP POC POT PP

## WETLAND NOTE S

- WETLANDS MUST BE DELINEATED ---
- PROPOSED WETLAND IMPACTS REQUIRE PERMITS FROM ARMY CORPS OF ENGINEERS & DWQ --- THERE ARE NO NON-COASTAL AND COSTAL WETLANDS IDENTIFIED WITHIN THE DESIGNATED PROJECT AREA. THEREFORE, WETLAND AND STREAM IMPACTS ARE NOT ANTICIPATED.

8-6-2018 REVISION.DWG 12/19/2019 4:05:27 PM

## CIVIL **ABBRE** AGGREGATE BAS VIAT SNOL E COURSE

ō	INV	HP	FL	FH	FFE	TI	EX	EW	EUT	ES	EP	틴	틴	m	Ф	DIP	CC	CC	CC	CMP	CLF	CF	CE	c	ВМР	ВМ	BL	ВС	В
<del>-</del>	V INVERT					GRA	EX/EXIST EXIS					ELEV/EL ELEV	ELEC MH ELEC	EAST	SUPI		CONST. CON	COND CON	CONC CON								BLDG BUIL		BASI
H	RT	HIGH POINT	FLOW LINE	FIRE HYDRANT	FINISH FLOOR ELEVATION	GRADE IN FILL	EXISTING	EXISTING WATER, EACH WAY	EXISTING UNDERGROUND TELEPHONE	EXISTING STORM	EDGE OF PAVEMENT	ELEVATION	ELECTRIC MANHOLE	EAST, EASTING	SUPERELEVATION RATE	DUCTILE IRON PIPE	CONSTRUCTION	CONDUIT	CONCRETE	CORRUGATED METAL PIPE	CHAIN LINK FENCE	CUBIC FEET	CONSTRUCTION ENTRANCE	GRADE IN CUT	BEST MANAGEMENT PRACTICE	BENCH MARK	BUILDING	BACK OF CURB	BASELINE

		┖᠊ᡨ
		두
IEND D	ם י	F
		5
		MBL
		MG
	PROP. MAJOR CONTOUR	SIZ.
	PROP MINOR CONTOUR	MUTCD
	TREE DROTECTION EENCE	Z
		PC
	SILT FENCE	ᅖ
	LIMITS OF DISTURBANCE	PIP
		POC
	PERMANENT UTILITY EASEMENT	РОТ
	HARDWARE CLOTH & GRAVEL INLET PROTECTION	PP
		PT
		PVC
	0 = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! i

POINT OF INTERSECTION
PIPE INLET PROTECTION
POINT ON CURVE
POINT ON TANGENT CO **ICRETE PIPE** AL INTERSECTION AL CURVE/POLYVINYL CHLORIDE AL TANGENT

SOUTH/SANITARY SEWER
SANITARY SEWER FORCE MAIN
SANITARY SEWER MANHOLE STORM DRAIN
STORM DRAIN MANHOLE H WATER TABLE V WATER TABLE

TOP OF CURB
TELEPHONE PEDESTAL
TELEPHONE MANHOLE
TOP OF BANK
TOP OF SLOPE Y BENCHM CHMARK

## **FABRIC**

AREA IN WETLANDS - NOT REQUIRED

- NO, WETLANDS ARE PRESENT IN PROJECT AREA.

# **CIVIL GENERAL NOTES**

STORM DRAINAGE

NOTES

THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.

DATE

ΒY

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES WITHIN THE PROJECT LIMITS AND THE PROTECTION OF SUCH UTILITIES DURING CONSTRUCTION. IF SAID UTILITIES PRESENT A CONFLICT WITH THE CONSTRUCTION, CONTRACTOR SHALL NOTIFY THE TOWN OF LELAND OR THEIR REPRESENTATIVE.
- ROADWAYS, EMERGENCY VEHICLE CORRIDORS, AND PARKING LOT DRIVE AISLES MUST BE CAPABLE OF SUPPORTING FIRE APPARATUS DURING CONSTRUCTION.

THE LOCATIONS CONTRACTOR SH HORIZONTALLY V STRUCTURES, PII THE LOCATIONS

OF STORM SEWER STRUCTURES SHOWN ON THESE PLANS ARE APPROXIMATE. THE HALL STAKE ALL CURB INLET STRUCTURES SUCH THAT INLET TOPS ALIGN WITH NEW CURB LOCATIONS. WHERE NEW STORM SEWERS TIE TO EXISTING IPES, ETC., THE CONTRACTOR SHALL FIELD ADJUST NEW STORM SEWERS TO MATCH OF THESE EXISTING FEATURES.

ALL REINFORCE SPECIFICATION

ED CONCRETE PIPE WILL BE MINIMUM CLASS III PIPE OR GREATER PER NCDOT REQUIREMENTS FOR COVER.

- ALL DIMENSIONS ARE IN FEET, TO OUTSIDE FACE OF CURB, TO CENTERLINE, CENTER TO CENTER ON STRIPES, AND/OR TO FACE OF CURB, UNLESS OTHERWISE NOTED.
- ANY EXCAVATION MUST BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH WORK PERIOD IN ACCORDANCE WITH THE SPECIFICATIONS, AND EQUIPMENT AND SUPPLIES RETURNED TO THE CONSTRUCTION STAGING AREA.
- CONTRACTOR SHALL RESTORE THE LAY DOWN AND STAGING AREA TO ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE OWNER, PRIOR TO DEMOBILIZATION AT THE CONCLUSION OF THE PROJECT.
- CONTRACTOR SHALL FIELD ADJUST STRUCTURE LOCATIONS AS NECESSARY BASED ON THE ACTUAL DIMENSIONS OF THE STRUCTURE.

## **DEMOLITION NOTES**

- RELOCATION OF EXISTING UTILITIES TO BE COORDINATED WITH THE UTILITY PROVIDER(S).
- ALL UTILITIES LOCATED IN AREAS OF DEMOLITION OR SUBSEQUENT CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND ACCESS CASTING SHALL BE ADJUSTED TO FLUSH WITH NEW GRADE.
- OVERHEAD ELECTRICAL AND GAS UTILITY SERVICES INDICATED TO BE REMOVED SHALL BE REMOVED AND RELOCATED (AS INDICATED) BY THE UTILITY PROVIDER. CONTRACTOR SHALL SCHEDULE AND COORDINATE THIS WORK WITH THE APPROPRIATE SERVICE PROVIDER. ALL SERVICES SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT, SIDEWALKS, CURB AND GUTTER, OR OTHER PERMANENT FEATURES. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- DEMOLITION AND SUBSEQUENT CONSTRUCTION OF STORM DRAINAGE FACILITIES SHALL BE PERFORMED IN SUCH A MANNER THAT THE OLD PIPE AND STRUCTURES ARE REMOVED AND NEW STRUCTURES AND PIPING ARE IMMEDIATELY PUT INTO SERVICE. CONTRACTOR SHALL ENSURE THAT STORM DRAINAGE DOES NOT REMAIN OUT OF SERVICE FOR LONGER THAN 12 HOURS AT A TIME. PROVISIONS SHALL BE MADE TO MAINTAIN STORM DRAINAGE DURING CONSTRUCTION.

IG LINE

OF CURVE

TURE

ORM TRAFFIC CONTROL DEVICES

WHERE ASPHALT/CONCRETE SECTION IS TO BE REMOVED, CONTRACTOR SHALL USE A SAW CUT AT THE LIMITS OF DEMOLITION OR NEAREST JOINT TO OBTAIN A CLEAN VERTICAL EDGE.

## **GENERAL GRADING NOTES**

ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN OR FOR ACTIONS TAKEN BY THE CONTRACTOR BEFORE FORMAL RESPONSE FROM THE ENGINEER.

MUP and/or

sidewalk shall not impede surface

runoff from roadway.

- WHERE FILL IS TO BE PLACED ON EXISTING SLOPES STEEPER THAN 4:1, CONTRACTOR SHALL EXCAVATE BENCHES WITH A MAXIMUM DEPTH OF 3'.
- THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR APPROPRIATE SLOPE STABILIZATION ON ALL SLOPES STEEPER THAN 3:1.

plans

crepancy

shall be u

sed in the event of a dis

from that shown in the

**NCDOT 2018 Standard Drawings** 

## **GENERAL UTILITY NOTES**

- A NORTH CAROLINA LICENSED UTILITY CONTRACTOR MUST PERFORM ALL UTILITY WORK INVOLVED IN CONSTRUCTING THIS PROJECT.
- CONTRACTOR SHALL ISOLATE ALL NEW PIPING FROM EXISTING PIPING UNTIL ALL NEW PIPING HAS BEEN TESTED AND ACCEPTED FOR SERVICE.
- THE UTILITY DRAWINGS DO NOT SHOW EVERY UTILITY OFFSET, TRANSITION, AND FITTING THAT MAY BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINATION OF AND PURCHASE OF ANY SUCH FITTING NECESSARY FOR INSTALLATION & OPERATION OF SYSTEM.
- EXISTING UTILITIES SHALL BE PROTECTED DURING ALL CONSTRUCTION. CONTRACTOR SHALL HAND EXCAVATE WHEN ADJACENT TO EXISTING UTILITIES.
- CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FROM THE UTILITY AT LEAST 2 DAYS PRIOR TO ANY UTILITY DISRUPTION.
- ELECTRICAL AND NATURAL GAS TO BE DESIGNED AND INSTALLED BY THE UTILITY PROVIDER.

# SIDEWALK/PAVING/CURBING NOTES

- INSTALL EXPANSION JOINT WITH THICKENED EDGE WHERE CONCRETE PAVEMENT ABUTS BUILDINGS, MANHOLES, INLETS AND OTHER STRUCTURES IN THE PAVEMENT UNLESS NOTED OTHERWISE.
- ALL FREE CONCRETE PAVEMENT EDGES ABUTTING GRASSED, GRAVEL OR ASPHALT PAVEMENT SHALL BE THICKENED.
- CONSTRUCTION JOINTS SHALL BE USED AT THE END OF EACH DAYS PLACING OPERATIONS AND WHEN CONCRETE PLACEMENT IS INTERRUPTED FOR 30 MINUTES OR LONGER.
- SLOPE OF PAVEMENT WITHIN HANDICAPPED PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION. ALL ODD SHAPED SLABS AND SLABS WITH PENETRATIONS (FOR UTILITIES, BASINS, BOLLARDS, ETC.) SHALL BE REINFORCED WITH WWF (6X6-W2.9XW2.9) IN CENTER OF SLAB.

ALL HANDICAP RAMPING SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN.

PROJECT: 2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY NORTH CAROLINA TOWN OF LELAND

G-100

SHEET TITLE:

DATE: 10/31/2017

LEGEND & NOTES

SCALE:

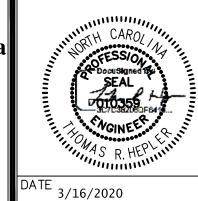
AECOM Corporation - North Carolina 201 North Front Street, Suite 509 Wilmington, North Carolina 28401

Telephone (910) 763-8063, FAX (910) 763-8289

www.AECOM.com

NCBELS LIC. NO. C-2243

General Note from Encroachment Agreement: MUP and/or sidewalk shall be constructed to match the existing terrain in order to provide positive drainage within the project limits

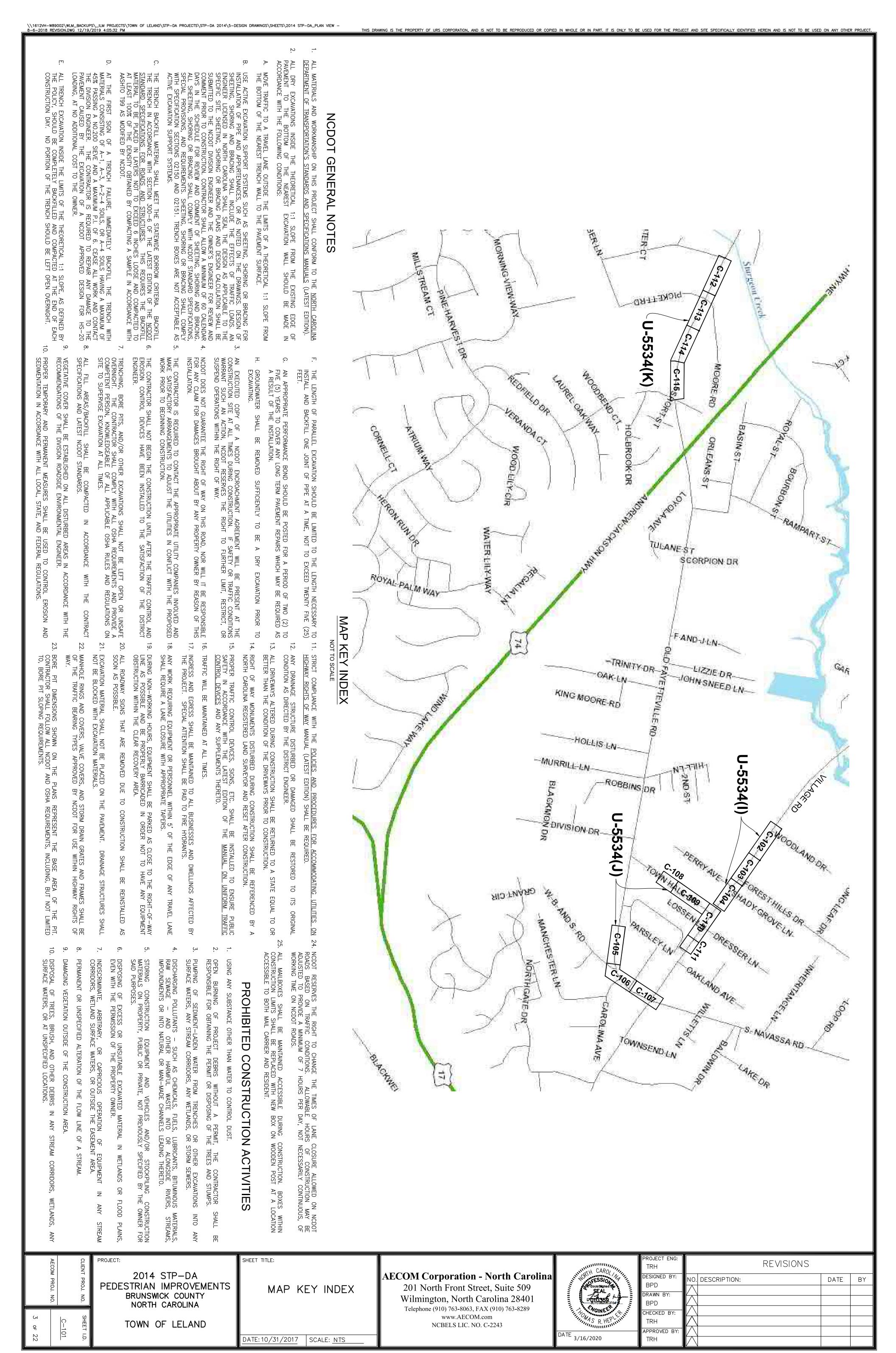


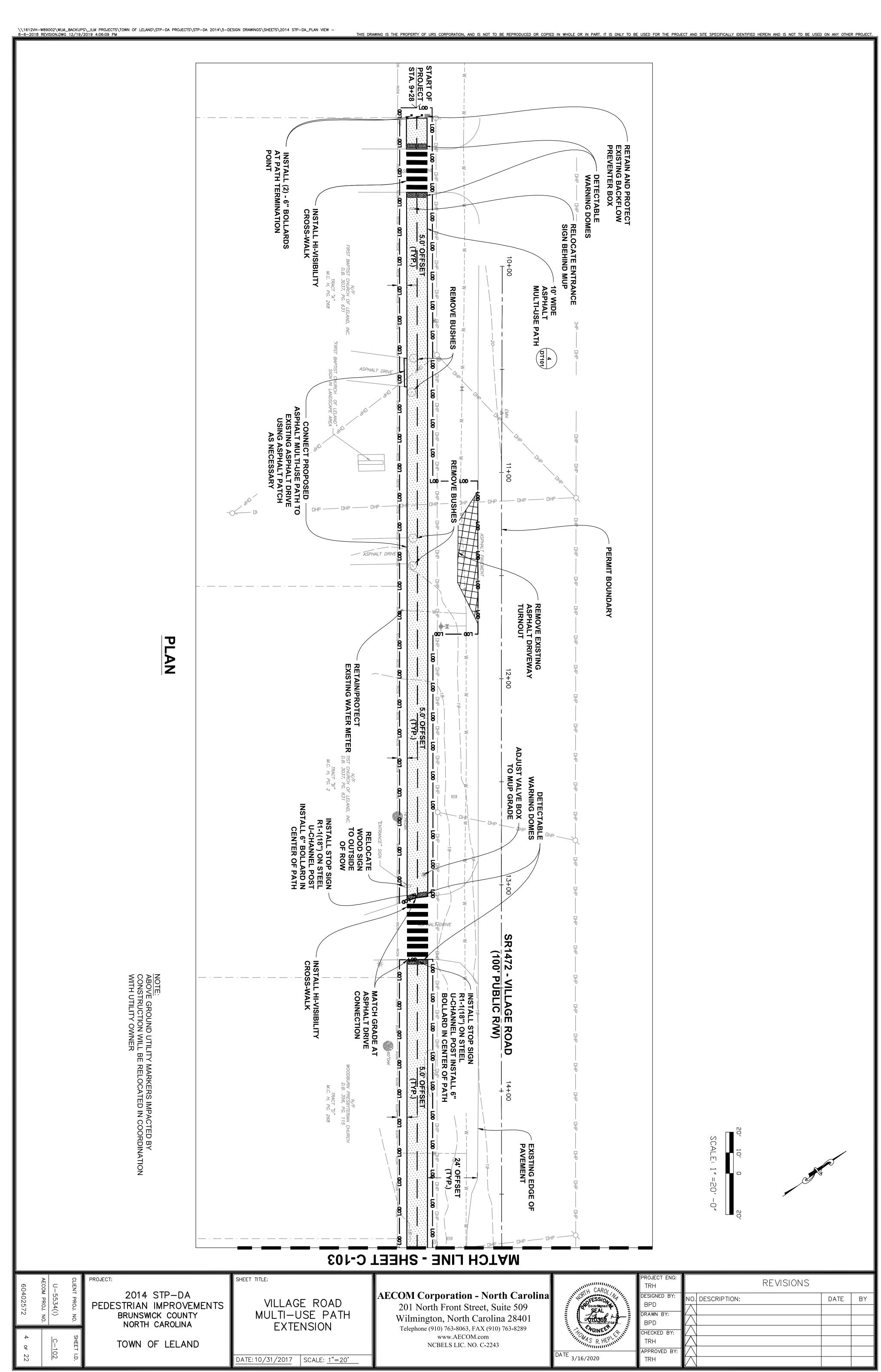
DATE 3/16/2020

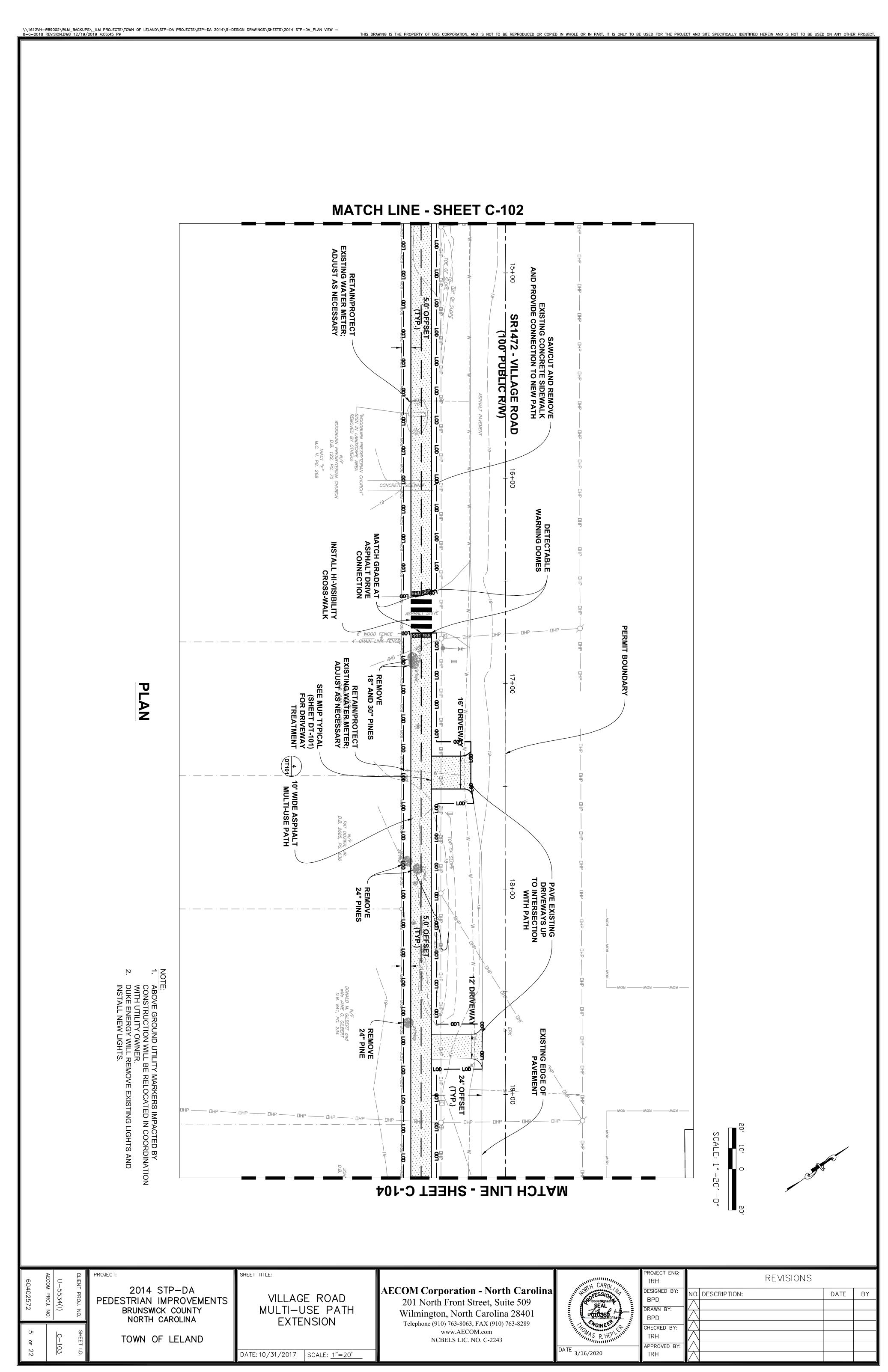
ROJECT ENG REVISIONS TRH DESIGNED BY NO. DESCRIPTION: BPD DRAWN BY: BPD CHECKED BY: TRH APPROVED BY: TRH

SIGNAGE/STRIPING/MARKING NOTES

- CROSSWALKS SHALL BE MARKED WITH THERMOPLASTIC MATERIALS AND CONSTRUCTED IN ACCORDANCE WITH NCDOT SPECIFICATIONS. CONTRACTOR TO INSTALL CROSSWALKS IN SUCH A MANNER THAT CROSSWALKS ARE ALIGNED BETWEEN HANDICAP/WALKWAY ACCESS POINTS OR PERPENDICULAR TO THE ROADWAY/DRIVE LANE.
- ALL ACCESSIBLE STRIPING AND PAVEMENT MARKINGS ACCESSIBLE DESIGN.







SCALE: 1" =20'  $-{\mathbin{\textstyle\bigcap}}_{\!\!\!/}$ 



60402572	U-5534(I) AECOM PROJ. NO.	CLIENT PROJ. NO.	PROJECT:  2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY NORTH CAROLINA
6 of 22	C-104	SHEET I.D	TOWN OF LELAND

VILLAGE ROAD MULTI-USE PATH EXTENSION

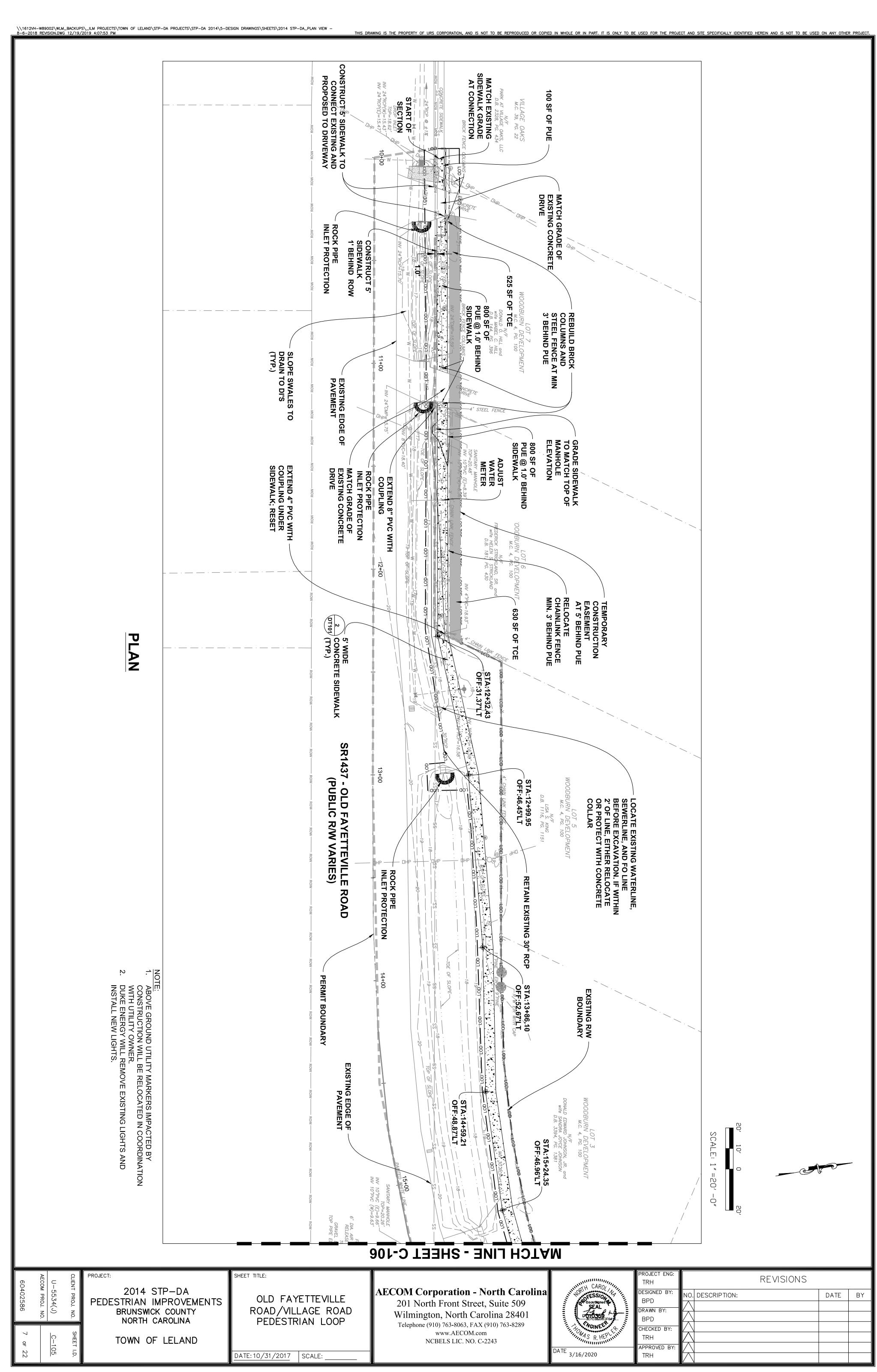
DATE: 10/31/2017 SCALE: 1"=20'

SHEET TITLE:

AECOM Corporation - North Carolina 201 North Front Street, Suite 509 Wilmington, North Carolina 28401 Telephone (910) 763-8063, FAX (910) 763-8289 www.AECOM.com NCBELS LIC. NO. C-2243

DATE DATE
DATE 3/16/2020

PROJECT ENG: TRH	REVISIONS		
DESIGNED BY: BPD	NO. DESCRIPTION:	DATE	BY
DRAWN BY: BPD			
CHECKED BY: TRH			
APPROVED BY: TRH			

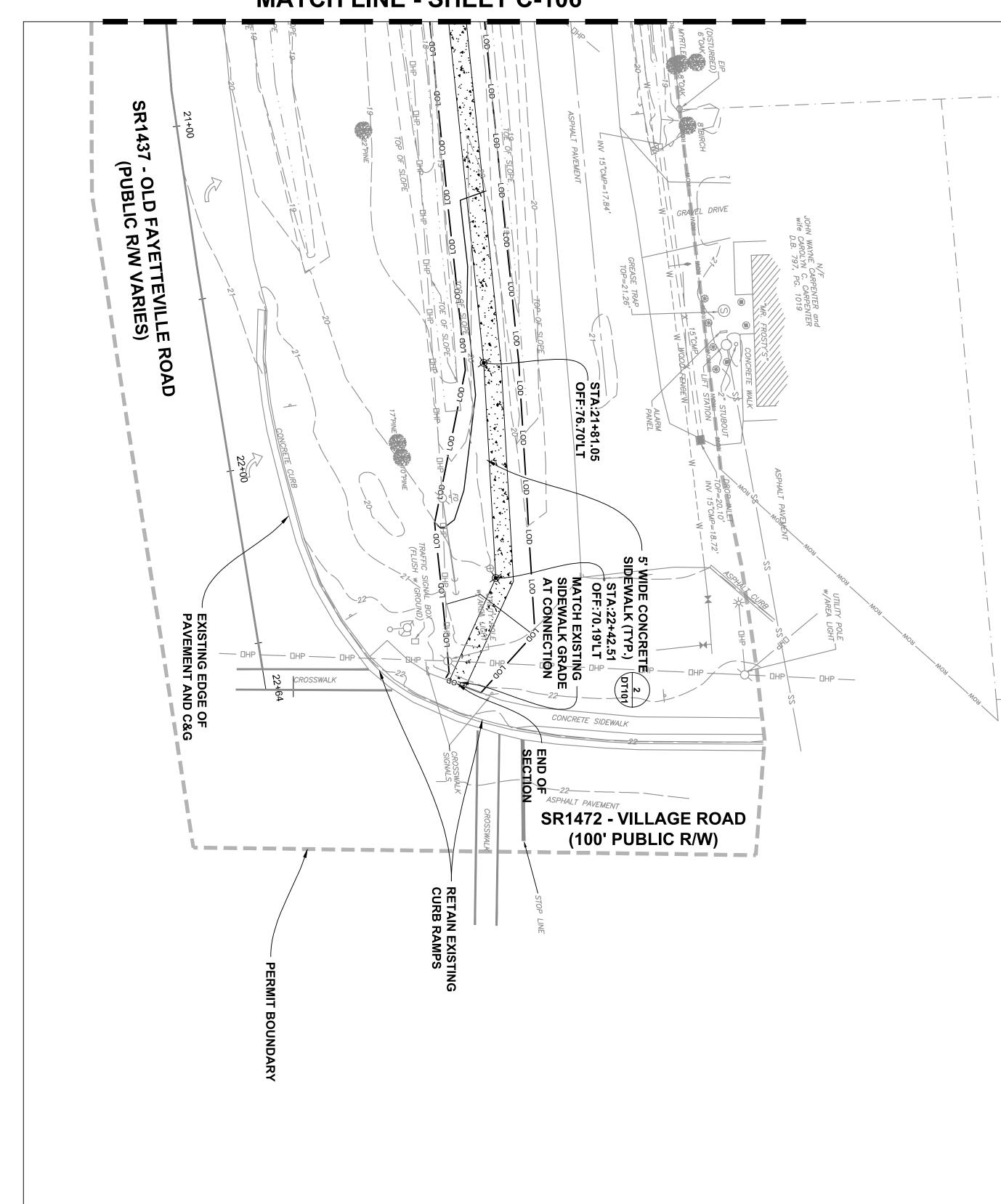


\\1612VH-W89002\WLM\_BACKUPS\\_ILM PROJECTS\TOWN OF LELAND\STP-DA PROJECTS\STP-DA 2014\5-DESIGN DRAWINGS\SHEETS\2014 STP-DA\_PLAN VIEW - 8-6-2018 REVISION.DWG 12/19/2019 4:08:44 PM

PLAN

THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT.

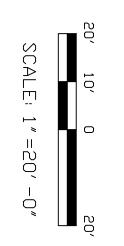
## **MATCH LINE - SHEET C-106**

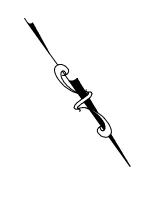


NOTE:

1. ABOVE GROUND UTILITY MARKERS IMPACTED BY CONSTRUCTION WILL BE RELOCATED IN COORDINATION WITH UTILITY OWNER.

2. DUKE ENERGY WILL REMOVE EXISTING LIGHTS AND INSTALL NEW LIGHTS.





0258	U-5534(J) AECOM PROJ. NO.	CLIENT PROJ. NO.	2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY NORTH CAROLINA
9 of 22	C-107	SHEET I.D.	TOWN OF LELAND

OLD FAYETTEVILLE ROAD/VILLAGE ROAD PEDESTRIAN LOOP

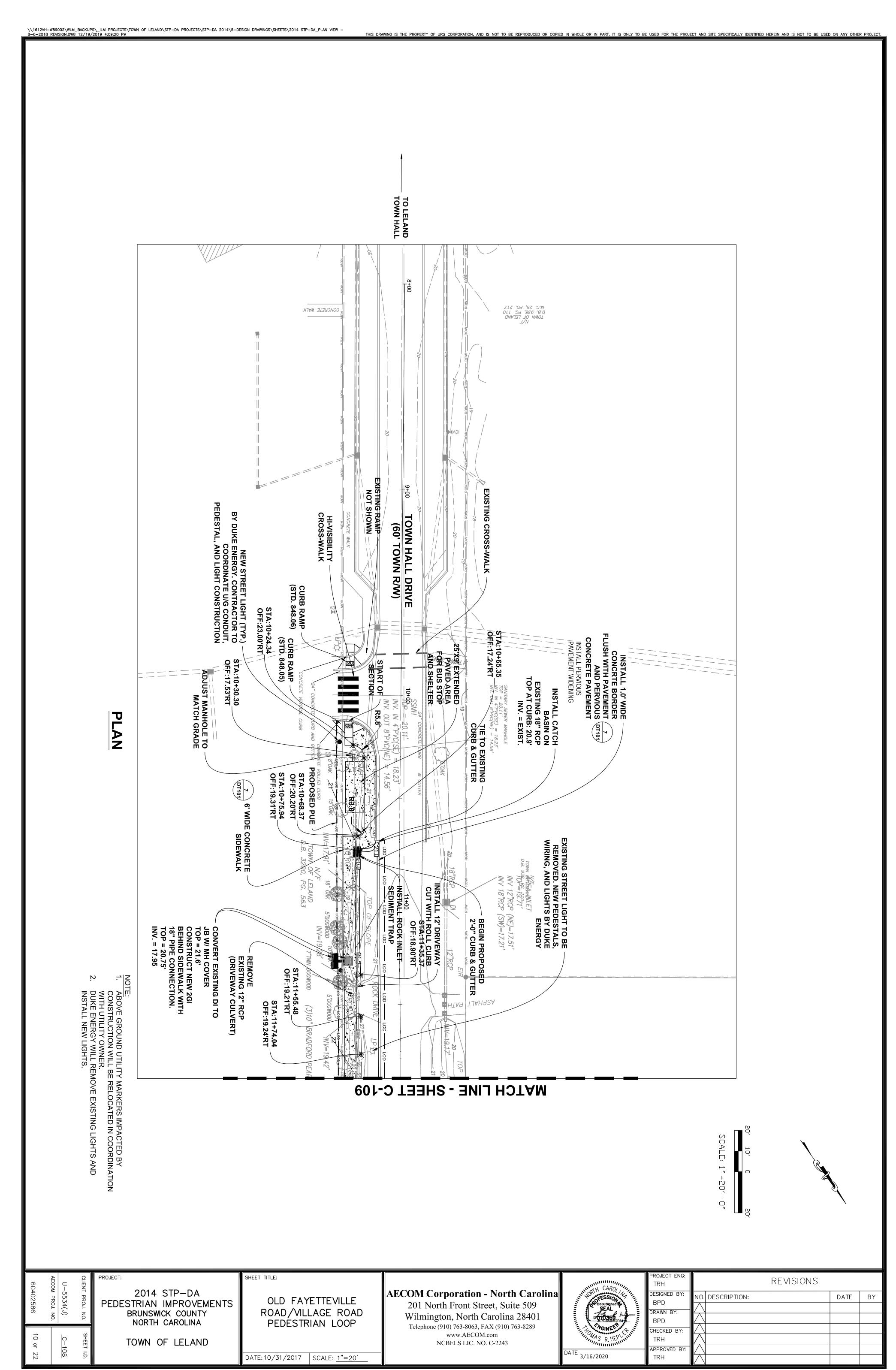
DATE: 10/31/2017 SCALE: 1"=20'

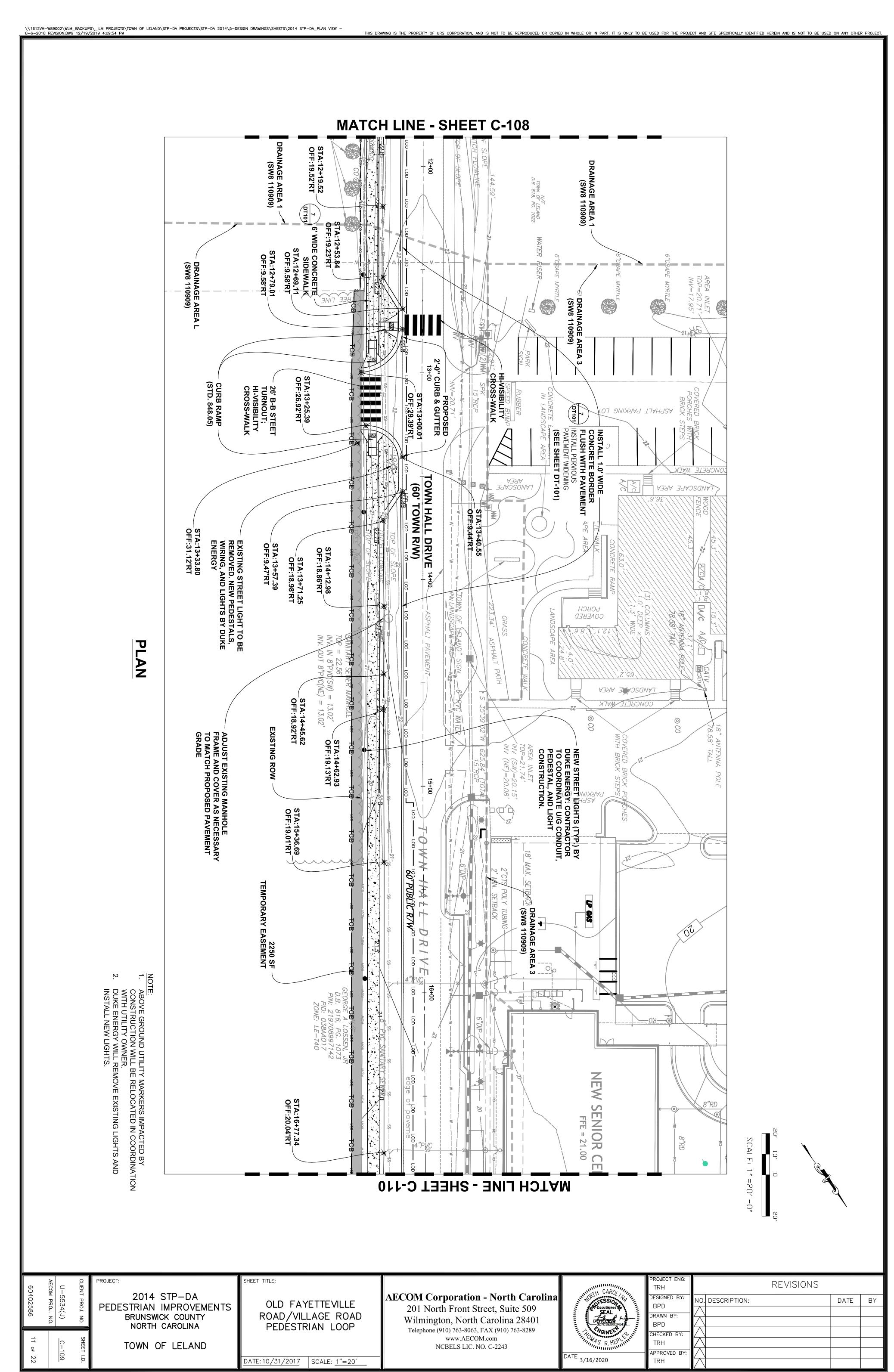
SHEET TITLE:

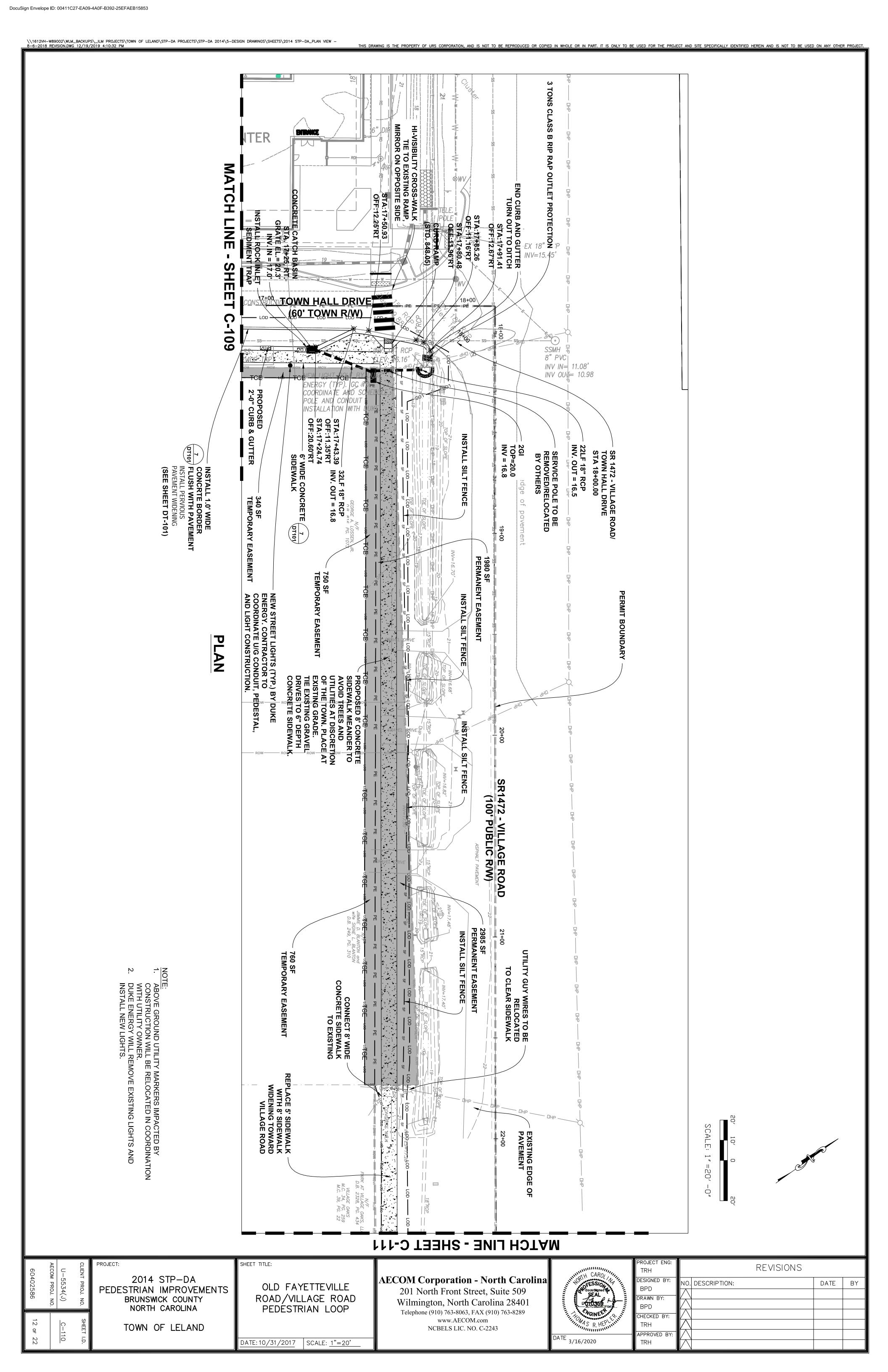
AECOM Corporation - North Carolina
201 North Front Street, Suite 509
Wilmington, North Carolina 28401
Telephone (910) 763-8063, FAX (910) 763-8289
www.AECOM.com
NCBELS LIC. NO. C-2243

PACE  CAROL  CESSIO  SEAL  COLORS  VOINE  R. HEP	-
DATE 3/16/2020	

PROJECT ENG: TRH	REVISIONS		
DESIGNED BY: BPD	NO. DESCRIPTION:	DATE	BY
DRAWN BY: BPD			
CHECKED BY: TRH			
APPROVED BY: TRH			







THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHICE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY CONTINED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT.

REPLACE & SIDEWALK
WITH & SIDEWALK
WING REPLACE WITH & SIDEWALK
WORKING TOWARD
WILLAGE ROAD

EXSTING SWALE
CENTERLINE

EXISTING SWALE
CENTERLINE
CENTERLINE
CENTERLINE

EXISTING SWALE
CENTERLINE
CENTERLINE
CENTERLINE
EXISTING SWALE
CENTERLINE
CENTERLINE
EXISTING SWALE
CENTERLINE
EXISTING SWALE
CENTERLINE
EXISTING SWALE
SECTION

EXISTING SWALE
CENTERLINE
EXISTING CURB RAMP

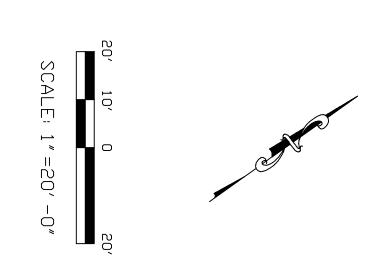
EXISTING
EXISTI

NOTE:

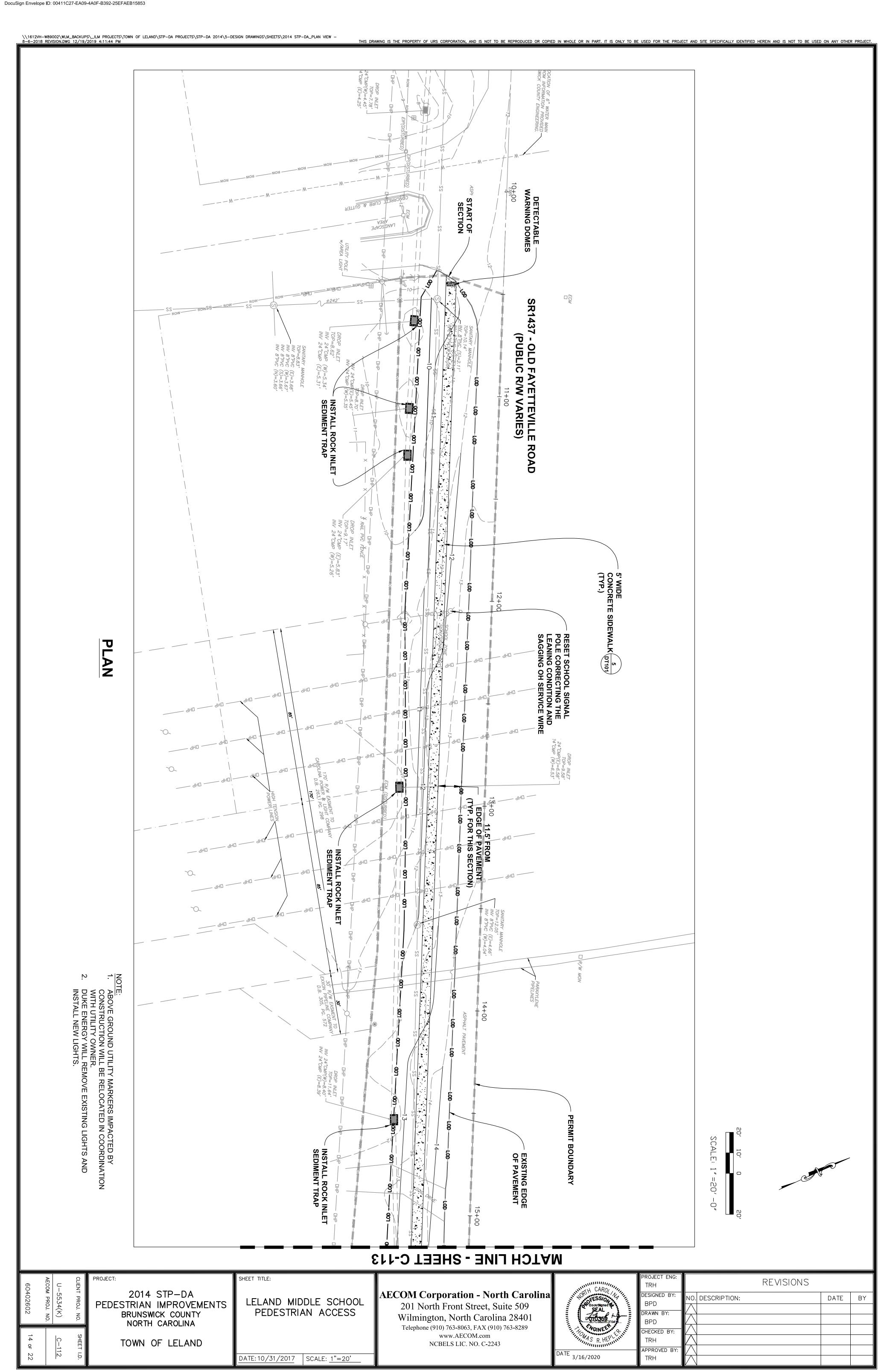
1. ABOVE GROUND UTILITY MARKERS IMPACTED BY CONSTRUCTION WILL BE RELOCATED IN COORDINATION WITH UTILITY OWNER.

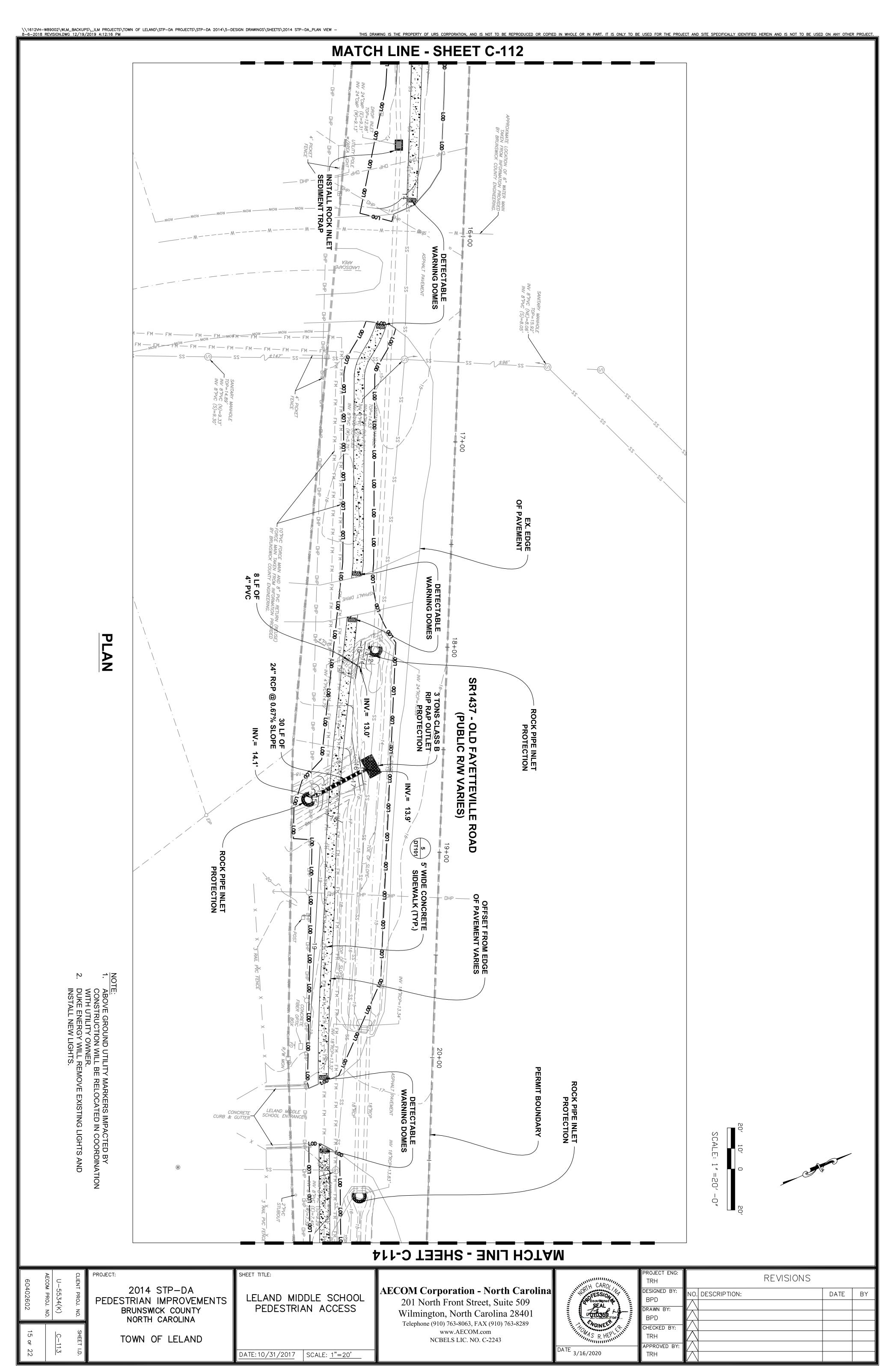
2. DUKE ENERGY WILL REMOVE EXISTING LIGHTS AND INSTALL NEW LIGHTS.

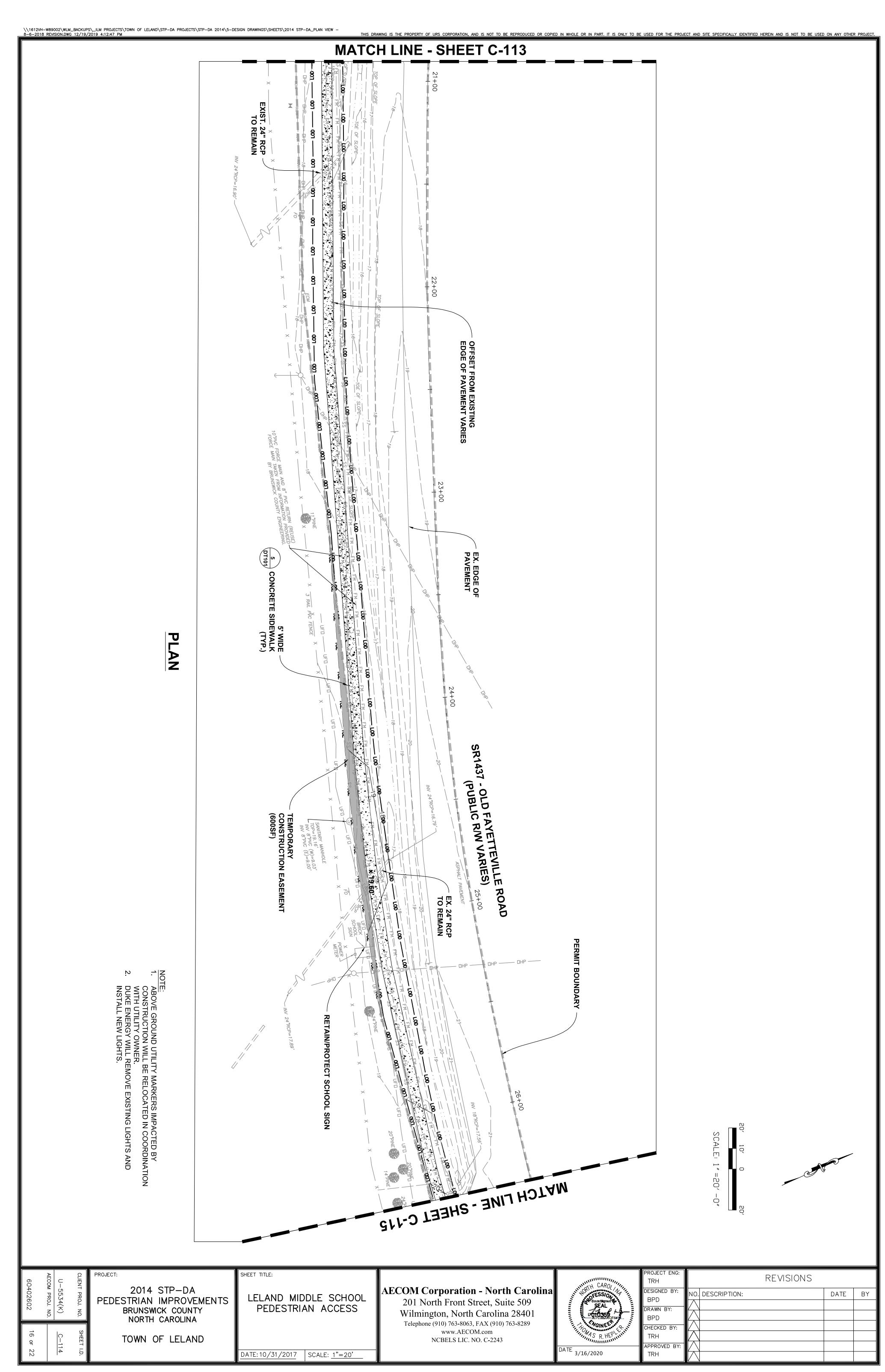
PLAN

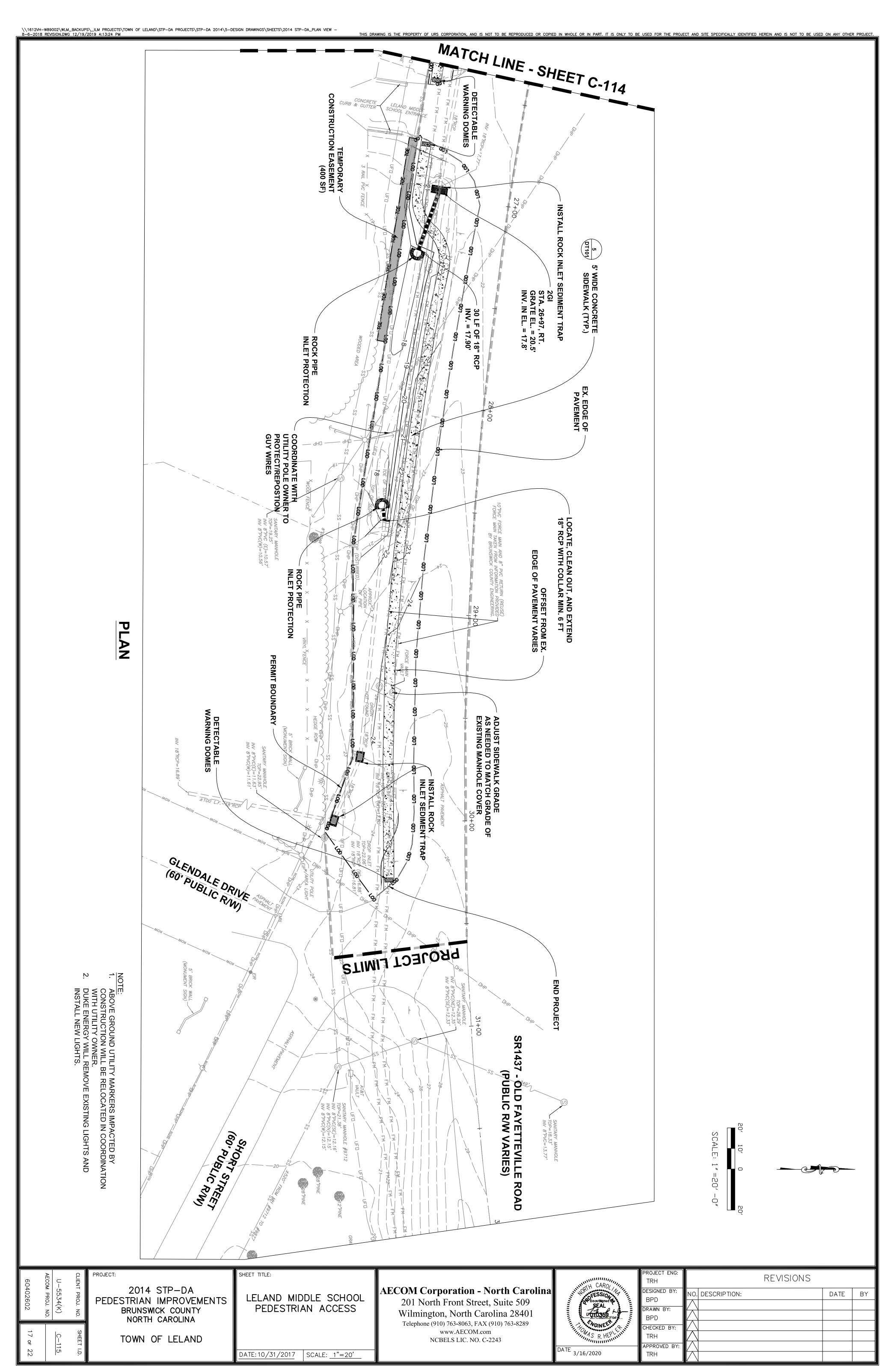


60	AECON	CLIEN.	PROJECT:	SHEET TITLE:		CAROUTE	PROJECT ENG: TRH	REVISIONS		
402586	5534(J) 7 PROJ. NO.	FROJ. NO.	2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY	ROAD/VILLAGE ROAD	AECOM Corporation - North Carolina 201 North Front Street, Suite 509 Wilmington, North Carolina 28401	Docusigned by SEAL	DESIGNED BY: BPD  DRAWN BY: BPD	NO. DESCRIPTION:	DATE	BY
13 07 2.	C-111	SHEET I.C	NORTH CAROLINA  TOWN OF LELAND	PEDESTRIAN LOOP  DATE: 10/31/2017   SCALE: 1"=20'	Telephone (910) 763-8063, FAX (910) 763-8289 www.AECOM.com NCBELS LIC. NO. C-2243	DATE 3/16/2020	CHECKED BY: TRH  APPROVED BY: TRH			





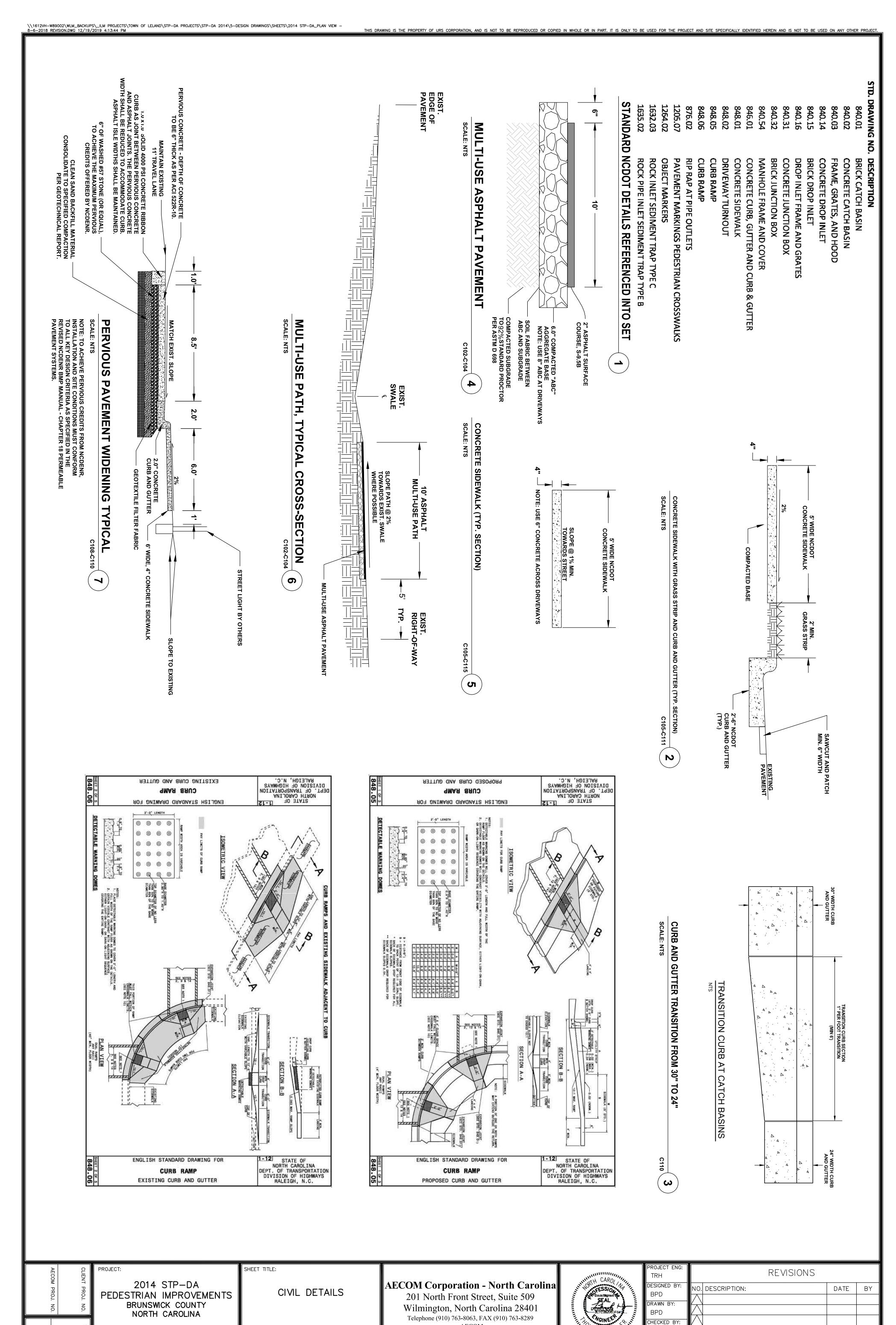




DT-101

TOWN OF LELAND

DATE: 10/31/2017 | SCALE:



www.AECOM.com

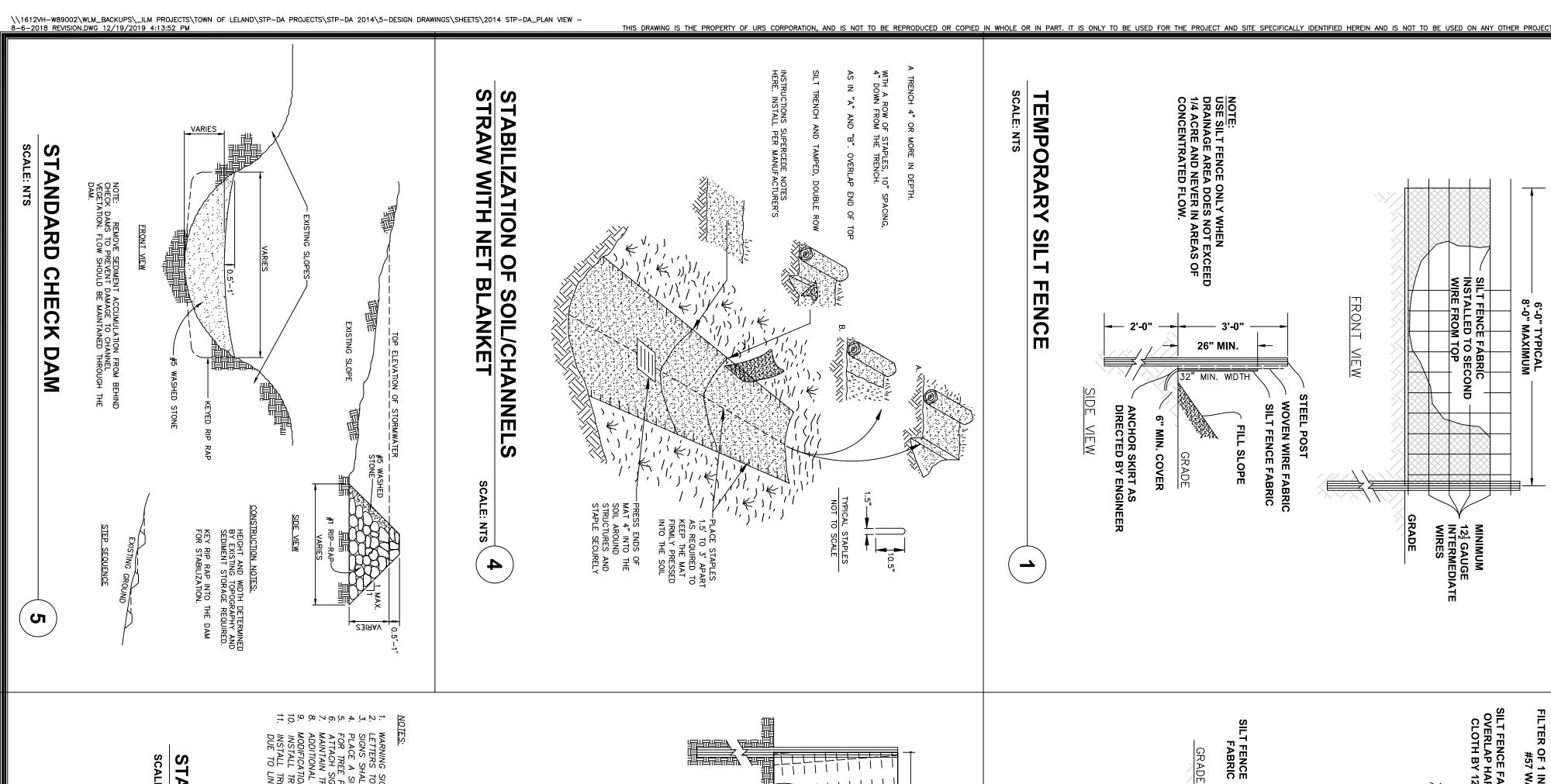
NCBELS LIC. NO. C-2243

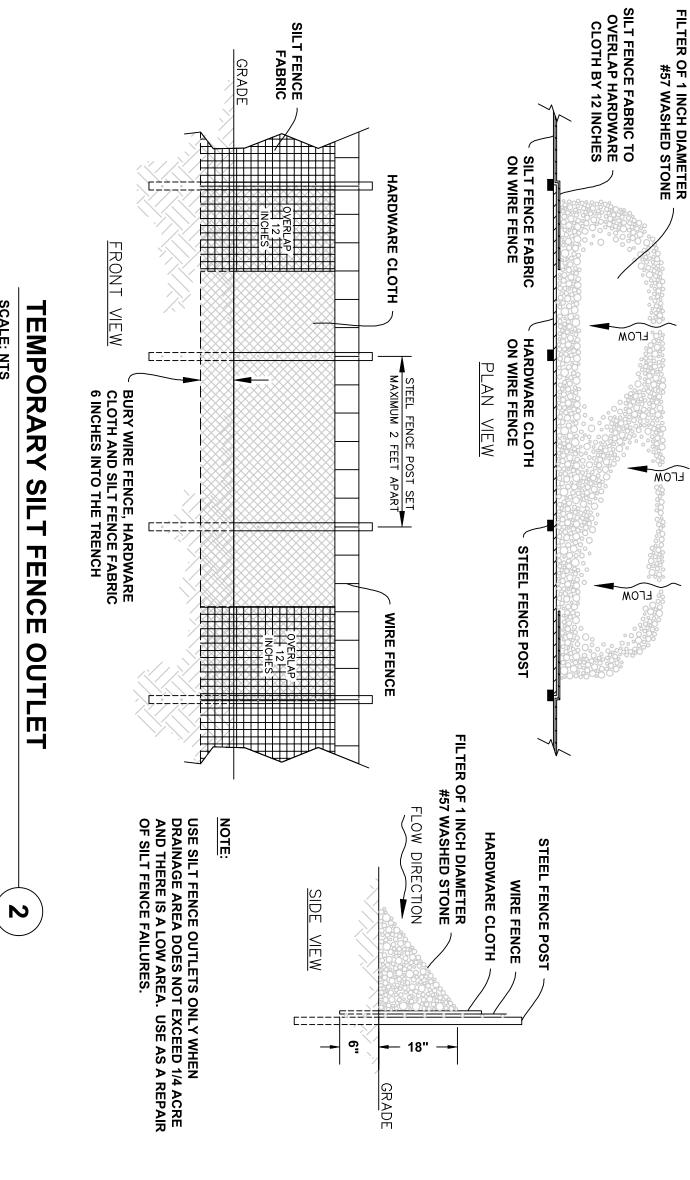
TRH

TRH

DATE 3/16/2020

APPROVED BY:





NOTE:

#5 OR # 57 WASHED STONE PLACED HEIGHT OF 16" MINIMUM ABOVE TOP OF BOX

INSPECT INLET PROTECTION AND REMOVE SEDIMEN-AFTER EACH RAIN EVENT. GRAVEL SHOULD BE REPLACED AND REPAIRS MADE AS NEEDED.

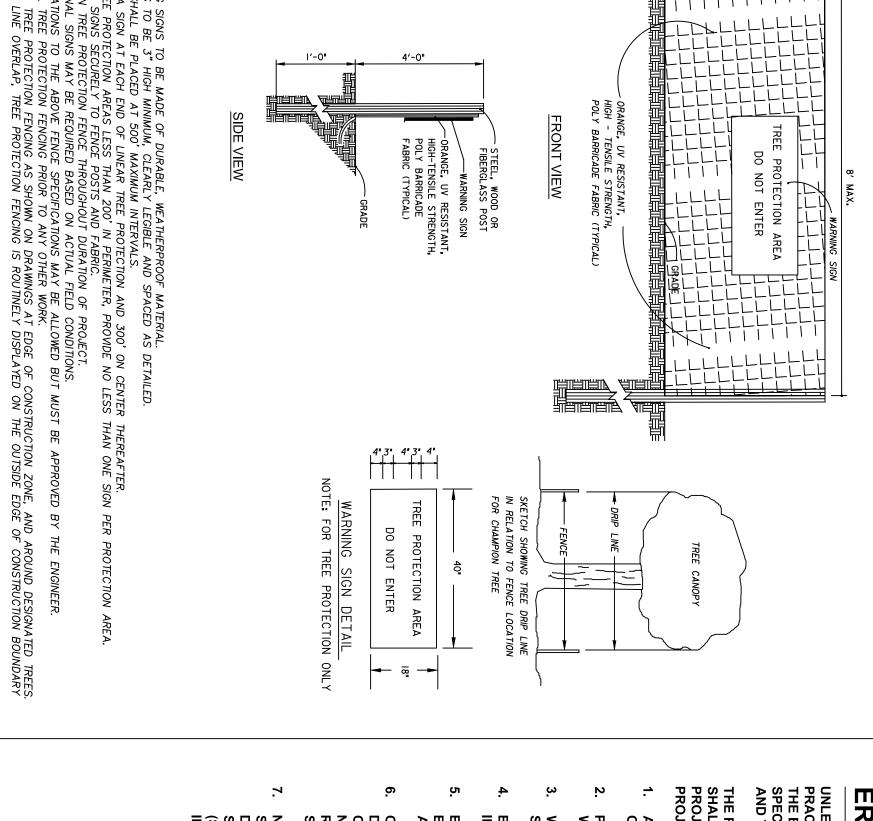
SCALE: NTS

**HARDWARE** 

**CLOTH &** 

**GRAVEL INLET** 

**PROTECTION** 



# EROSION & SEDIMENT CONTROL NOTES

SCALE: NTS

UNLESS OTHERWISE INDICATED, ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION CONTROL LAWS OF THE STATE OF NORTH CAROLINA, SPECIFICALLY THE SEDIMENT POLLUTION CONTROL ACT OF 1973, AS AMENDED, AND THE LOCAL EROSION AND SEDIMENT CONTROL ORDINANCES.

- EROSION & SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
- NO SEDIMENT SHALL BE ALLOWED TO RUN OFF THE PROJECT SITE. IF SEDIMENT IS TRACKED ONTO THE ROADWAY, IT MUST BE CLEANED OFF DAILY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING, AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA (STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER).

THE FOLLOWING SEQUENCE OF EVENTS AND EROSION CONTROL MEASURES SHALL BE INCORPORATED INTO THE CONSTRUCTION SCHEDULE FOR THIS PROJECT AND SHALL APPLY TO ALL CONSTRUCTION ACTIVITIES WITHIN PROJECT LIMITS:

- A COPY OF THE APPROVED EROSION & SEDIMENT CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- PROTECT ALL EXISTING DRAINAGE STRUCTURES WITH INLET PROTECTION WITHIN LIMITS OF WORK UNTIL AREA DRAINING TO INLET IS STABILIZED.
- WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHALL BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
- EROSION & SEDIMENT DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL EROSION CONTROL DEVICES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF LAND RESOURCES (NCDENR, DLR) EROSION & SEDIMENT CONTROL PLANNING LAND DESIGN MANUAL.
- ADDITIONAL MEASURES, BEYOND APPROVED PERMITTED DESIGN, TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A LOCAL REPRESENTATIVE OF THE STATE, CITY, OR COUNTY.
- REFER TO APPROVED EROSION & SEDIMENT CONTROL PLANS FOR CLEARING LIMITS AND TEMPORARY EROSION & SEDIMENT CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION.

- ANY GRADING BEYOND THE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE STATE EROSION & SEDIMENT CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

## DATE 3/16/2020

	PROJECT ENG: TRH	REVISIONS		
	DESIGNED BY: BPD	NO. DESCRIPTION:	DATE	В
	DRAWN BY: BPD			
	CHECKED BY: TRH			
4	APPROVED BY:			
	TRH			

## GROUND **STABILIZATION C** RITERIA

NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)	14 DAYS	ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1
7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH	14 DAYS	SLOPES 3:1 OR FLATTER
IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14-DAYS ARE ALLOWED	7 DAYS	SLOPES STEEPER THAN 3:1
NONE	7 DAYS	HIGH QUALITY WATER (HQW) ZONES
NONE	7 DAYS	PERIMETER DIKES, SWALES, DITCHES AND SLOPES
STABILIZATION TIME FRAME EXCEPTIONS	STABILIZATION TIME FRAME	SITE AREA DESCRIPTION

STANDARD

REE

**PROTECTION FENCE** 

6

PROJECT: 2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY NORTH CAROLINA

TOWN OF LELAND

DT-102

**EROSION AND SEDIMENTATION** CONTROL DETAILS

DATE: 10/31/2017

SHEET TITLE:

SCALE:

AECOM Corporation - North Carolina 201 North Front Street, Suite 509 Wilmington, North Carolina 28401 Telephone (910) 763-8063, FAX (910) 763-8289 www.AECOM.com

NCBELS LIC. NO. C-2243

\\1612VH-W89002\WLM\_BACKUPS\\_ILM PROJECTS\TOWN OF LELAND\STP-DA PROJECTS\STP-DA 2014\5-DESIGN DRAWINGS\SHEETS\2014 STP-DA\_PLAN VIEW - 8-6-2018 REVISION.DWG 12/19/2019 4:14:01 PM

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DET, DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATT, TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED B'ENGINEER. AINABLE

유로로 TIME FOLLOWING GENERAL NOTES AP CONSTRUCTION PROJECT EXCEP DIRECTED BY THE ENGINEER. RESTRICTIONS PLY AT ALL TIMES I FOR THE E DURATION OF IN THE PLAN

 $\nearrow$ 

INTERMEDIATE ICT:
Village Road and Old Fayetteville Rd. 800 feet south of Village Rd.: No lane closures 8:00am and between 3:00 and 6:00pm weekdays and no closures on weekends All other sections of Fayetteville Rd.: No lane closures between 6:00 and 8:00am and 3:00pm weekdays and no closures on weekends. NARROW LANES DURING HOLIDAYS AND between between 6:00 and

DO EVE ROAD OO NOT NAME CLOSE OR NA AS FOLLOWS:

THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT

<u>m</u>

VILLAGE ROAD
OLD FAYETTEVILLE
PERRY AVENUE
TOWN HALL DRIVE

R0,

HOLIDA

5

FOR ANY U UNEXPECTED OCCURRENCE THAT , AS DIRECTED BY THE ENGINEER CREATES UNUSUALLY HIGH 귔

FOR NEW YEAR'S, BETWEEN TO 7:00PM JANUARY 2ND. SATURDAY, SUNDAY, OR MONTUESDAY. FOR TWEEN THE HOURS OF 6: Y 2ND. IF NEW YEAR'S IOOR MONDAY THEN UNTIL :00AM DECEMBER 31ST DAY IS ON A FRIDAY, 7:00PM THE FOLLOWING

FOR EASTER, E 7:00PM MOND BETWEEN DAY. HH HOURS 유 <u>ა</u> 00AM THURSD Ä

У.

FOR MEMORIAL DAY, 7:00PM TUESDAY. BETWEEN HE HE HOURS 유 <u>6</u> 00AM FRIDAY

Ü

FOR DAY

NDEPENDENCE DAY, BE NDEPENDENCE

TWE DA

Ź Ħ

AND

7: 00PM

로 무

D :

:00AM THE

IF INDEPENDENCE DAY I THEN BETWEEN THE HO INDEPENDENCE DAY ANI INDEPENDENCE DAY. INDEPENDENCE DAY DAY IS ON A FRIDAY, HOURS OF 6:00AM THE TU Y, SATURDAY, SUI M THE THURSDAY TUESDAY AFTER SUNDAY OR DAY BEFORE MONDAY

OR . TUES DA  $\Box$ ETWEEN 井 HOURS 유 9. 00AM FRID,  $\overset{\wedge}{\rightarrow}$ 

9

7.

FOR 7: OOPM MONDAY. DAY, BE HH HOURS 유 TUESD.

FOR CHRISTMAS, BETWEEN THE HOURS OF 6 BEFORE THE WEEK OF CHRISTMAS DAY AND TUESDAY AFTER THE WEEK OF CHRISTMAS. 00AM TH 7:00PM OLLOWING

 $\Box$  $\circ$ STOP TRAFFIC AS FOLLOWS:

 $\bigcirc$ 

ROAD DAY AND TIME ESTRICTIONS

DURATION OPERATION

AND

0 DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE IOF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER Z FLOW OF TRAFFIC IS PROTECTED BY

SHEET TITLE:

TRAFFIC MANAGEMENT PLAN

AECOM Corporation - North Carolina 201 North Front Street, Suite 509 Wilmington, North Carolina 28401 Telephone (910) 763-8063, FAX (910) 763-8289

PROJECT ENG: TRH DESIGNED BY: BPD DRAWN BY: BPD CHECKED BY: TRH

NO. DESCRIPTION:

 $\Box$ AND SHOULDER CLOSURE REQUIREMENTS

GEZER AL

 $\mathbb{F}$ 

REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER US STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED. IN 15 FT OF AN USING ROADWAY IS PROTECTED BY

 $\stackrel{\mathsf{F}}{\bigcirc}$ 

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS WITH GUARDRAIL OR BARRIER. PROTECTED

 $\supset$ 

 $\subseteq$ DO NOT INS ON (ROAD). NOT INSTALL MORE THAN ONE LANE CLOSURE Z ANY 0NE DIRECTION

EMENT EDGE DROP 0FF REQUIREMENTS

 $\nabla$ 

 $\supset$ 

BACKFILL AT A 6:1 SLOPE UP 'PAVEMENT IN AREAS ADJACENT EDGE OF PAVEMENT DROP-OFF TO TO THE EDGE AND ELEVATION OF EXISTING TO AN OPENED TRAVEL LANE THAT HAS AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED (POSTED SPEED LIMITS LESS THAN 45 BACKFILL DROP-OFFS THAT EXCEED 2 POSTED SPEED LIMITS OF 45 MPH OR 3 INCHES ON ROADWAYS MPH. INCHES ON ROADWAYS GREATER.

 $\mathbb{A}$ 

AS APPROVED ВY

BACKFILL VENGINEER, WITH SUITABLE COMPACTED MATERIAL, AT NO EXPENSE TO THE DEPARTMENT.

DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8—11) 200 FEET IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

X PATTERN **ALTERATIONS** 

 $\leq$ 

NOTIFY THE ENGINEER THIRTY TRAFFIC PATTERN ALTERATION. CALENDAR DAYS PRIOR

SIG NING

 $\angle$ (3)  $\Box$ INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN AYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

ENSURE ALL NECESSARY TRAFFIC PATTERN.  $\overline{\mathcal{S}}$  $\equiv$ PLACE  $\frac{1}{2}$ 

> TRAFFIC CONTROL DEVICES

P)

WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON—CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

PLACE TYPE III ATTACHED, OF SUFFICIENT SUFFICIENT ES, WITH "ROAD CLOSED" SIGN R11-2
TO CLOSE ENTIRE ROADWAY.

0

PAVEMENT MARKINGS AND MARKERS

77)

PLACE ONE APPLICATION OF PAINT FOR ANOTHER APPLICATION OF PAINT SIX (6) APPLICATION AND EVERY SIX MONTHS AS TEMPORARY TRAFFIC PATTERNS.

MONTHS AFTER THE INITIAL

S DIRECTED BY THE ENGINEER.

PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING

(S)

REMOVE/REPLACE MARKERS BY THE END ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS OF EACH DAY'S OPERATION.

TRACE THE PROPOSED MONOLITHIC ISLAND PROPER COLOR PAVEMENT MARKINGS PRIOR TO PLACE CONES TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION TO O INSTALLATION.

 $\subseteq$ 

MISCELLANEOUS

 $\leq$ 

AND/OR INTERSECTIONS ENFORCEMENT AS BE DIRECTED USED OT BY THE ENGINEER. THROUGH THE

ALL CURB RAMP LOCATIONS SHALL ON PAVEMENT MARKING PLANS OR COORDINATION WITH THE SIGNING A R AS DERIVED FROM STATIONING SHOWN DIRECTED BY THE ENGINEER IN DELINEATION UNIT.

≶

www.AECOM.com

REVISIONS DATE APPROVED BY: TRH

ΒY

PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY

PROJECT:

T<u>CP-100</u>

NORTH CAROLINA TOWN OF LELAND

2014 STP-DA

DATE: 10/31/2017

SCALE:

NCBELS LIC. NO. C-2243

DATE 3/16/2020

\\1612VH-W89002\WLM\_BACKUPS\\_ILM PROJECTS\TOWN OF LELAND\STP-DA PROJECTS\STP-DA 2014\5-DESIGN DRAWINGS\SHEETS\2014 STP-DA\_PLAN VIEW - 8-6-2018 REVISION.DWG 12/19/2019 4:14:12 PM

TRAFFIC SPACING OF CONTROL DESIGN TABLES
TEMPORARY SIGNS IN SERIES

THE ADVANCE WARNING SIGN SPACING CHART IS TO BE MORE SIGNS ARE USED. ALL SIGN SPACING DIMENSIONS FIELD ADJUSTED AS VARIOUS CONDITIONS OCCUR, SUCH OBSTRUCTION INTERFERENCE, ETC. CONTROLLED ACCESS ROADS POSTED SPEED (MPH) ADVANCE WARNING SIGN SPACING CHART  $\bigcirc$ DISTANCE A SERIES OF AND MAY EDISTANCE, (13) oT 2ND  $\bigcirc$ TO 1ST SIGN

TEMPORARY LANE CLOSURES 2-LANE, 2-WAY ROADWAY - 1 LANE CLOSED NOT TO SCALE

THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT.

 $\Delta$ 

 $\Delta$ 

(11)

 $\Delta$ 

 $\bigcirc$ 

DOWN STREAM TAPER 100' TO 200  $\bigcirc$  $\nabla$ (11) BE PREPARED TO STOP W20-7B 48" × 48"  $\bigcirc$ 

 $\Diamond$ 

 $\Box$ 

FLAGGER

TYPE B WARNING LIGHT (FOR NOTE)

DIRECTION OF TRAFFIC FLOW

WARNING FLAGS

LEGEND

PORTABLE SIGN

REFER TO THE ADVANCE WARNING SIGN SPACING CHART, THIS SHEET, FOR SIGN SPACING.

LANE CLOSURES SHALL BE INSTALLED WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON 1 LANE CLOSURES SHALL BE REMOVED AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES TRAFFIC.

TRAFFIC.

THE UPSTREAM SIDE OF ON THE DOWNSTREAM

USE THE MAXIMUM SPACING OF CONES THRU THE WORK AREA SHALL BE EQUAL IN FEET TO 2 TIMES THAT CLOSURES SHALL BE EXTENDED AT THE BUFFER SPACE SUCH THAT STOPPING SIGHTDISTANCE IS TRAFFIC SHOULD NOT BE STOPPED IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.

PILOT CARS SHALL BE USED WHEN DIRECTED BY THE ENGINEER.

FLAGGERS SHALL BE USED TO CONTROL TRAFFIC AT INTERSECTIONS AFFECTED BY THE LANE CLOSURE. FLAGGERS UTILIZED AT INTERSECTIONS SHALL BE ACCOMPANIED BY FLAGGER AHEAD SIGNS (W20-7g) PLACED APPROXIMATELY 250 FT. IN ADVANCE OF THE FLAGGER. WHERE INTERSECTIONS ARE SIGNALIZED, SIGNALS SHOULD BE PLACED IN THE FLASH MODE.

POSTED STOPPING SIGHT DISTANCE (MPH) (FEET)

30 200

PASSING SIGHT (FEET)

MINIMUM SIGHT DISTANCE

50 50 60 65

200 250 325 400 475 475 550 650 725

500 550 600 700 800 900 11000

- NOTES:
- TABLES ARE BASED ON THE AASHTO GREEN BOOK "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". MINIMUM SIGHT DISTANCE VALUES ARE FOR PASSENGER CAR VEHICLES ON WET AND LEVEL ROADWAYS. AASHTO GREEN BOOK SHOULD BE CONSULTED TO MAKE FINAL DETERMINATION OF STOPPING SIGHT DISTANCE REQUIREMENTS.
- BUFFER SPACE TABLE IS BASED ON THE BRAKING DISTANCE PORTION OF STOPPING SIGHT DISTANCE FOR WET AND USE OF STOPPING SIGHT DISTANCE IN TRAFFIC CONTROL PLAN APPLICATIONS INCLUDES PROVIDING SIGHT DISTAPPROACHING A LANE CLOSURE. FOR 2-LANE, 2-WAY ROADWAYS STOPPING SIGHT DISTANCE SHOULD BE PROVIDE FOR LANE CLOSURES ON MULTILANE ROADWAYS STOPPING SIGHT DISTANCE SHOULD BE PROVIDED TO THE BEGING CLOSURE MERGE TAPER, OR FLASHING ARROW PANEL. LANE CLOSURES SHOULD BE EXTENDED AT THE BUFFER STOPPING SIGHT DISTANCE IS PROVIDED.

USE OF MINIMUM PASSING SIGHT DISTANCE TABLE IN TRAFFIC CONTROL PLAN APPLICATIONS INCLUDES PROVIREMENTS FOR PLACEMENT OF PAVEMENT MARKING PASSING/NO-PASSING ZONES FOR 2-LANE, 2-WAY ROAL

TRAFFIC CONTROL DESIGN TABLES BUFFER SPACE & SIGHT DISTANCE

	AECOM PROJ. NO.		CLIENT PROJ. NO.	
22 of .		TCP-1	I T33HS	

PROJECT: 2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY NORTH CAROLINA

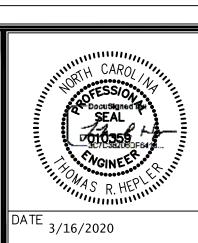
TOWN OF LELAND

TRAFFIC MANAGEMENT PLAN

DATE: 10/31/2017 SCALE:

SHEET TITLE:

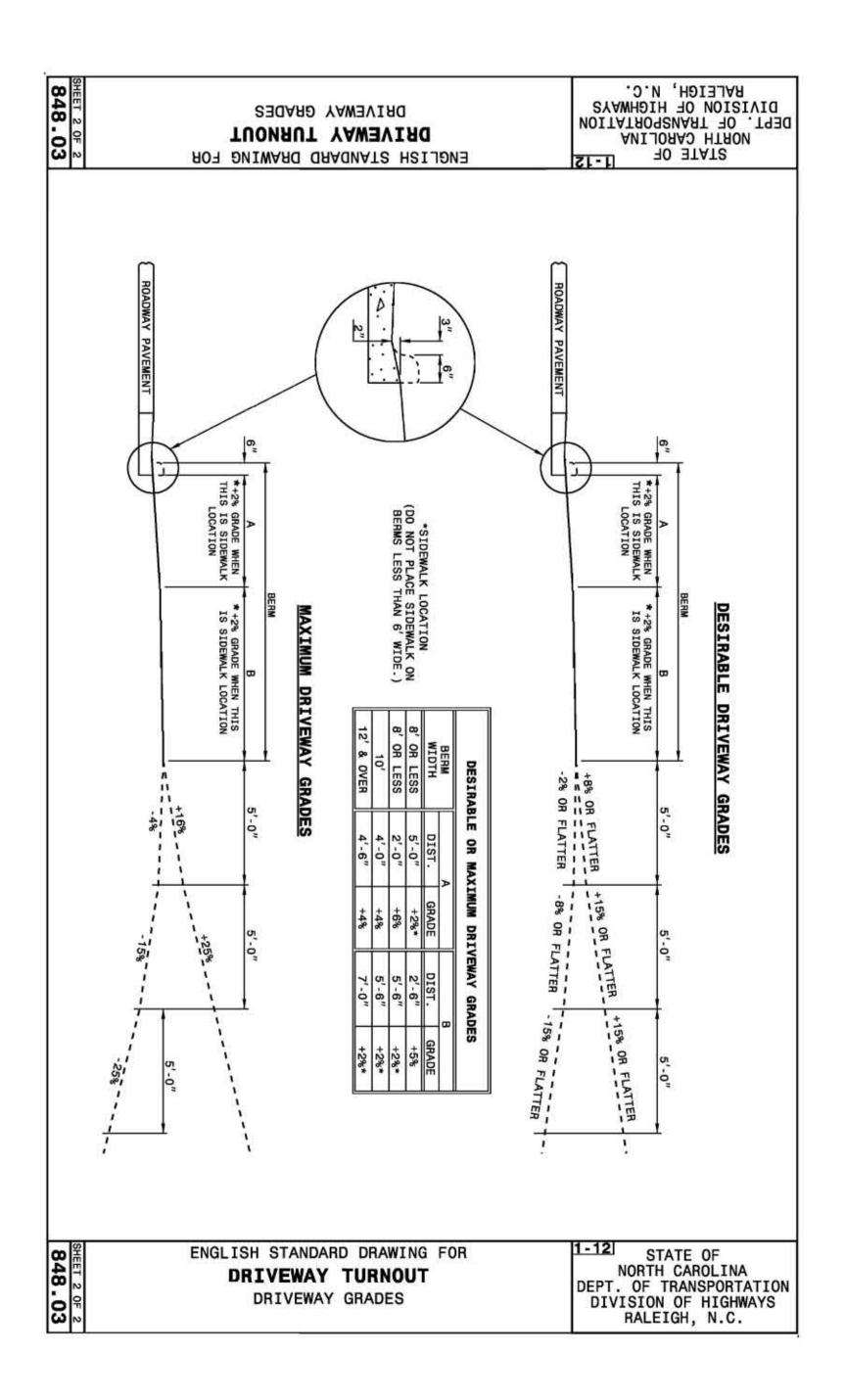
**AECOM Corporation - North Carolina** 201 North Front Street, Suite 509 Wilmington, North Carolina 28401 Telephone (910) 763-8063, FAX (910) 763-8289 www.AECOM.com NCBELS LIC. NO. C-2243

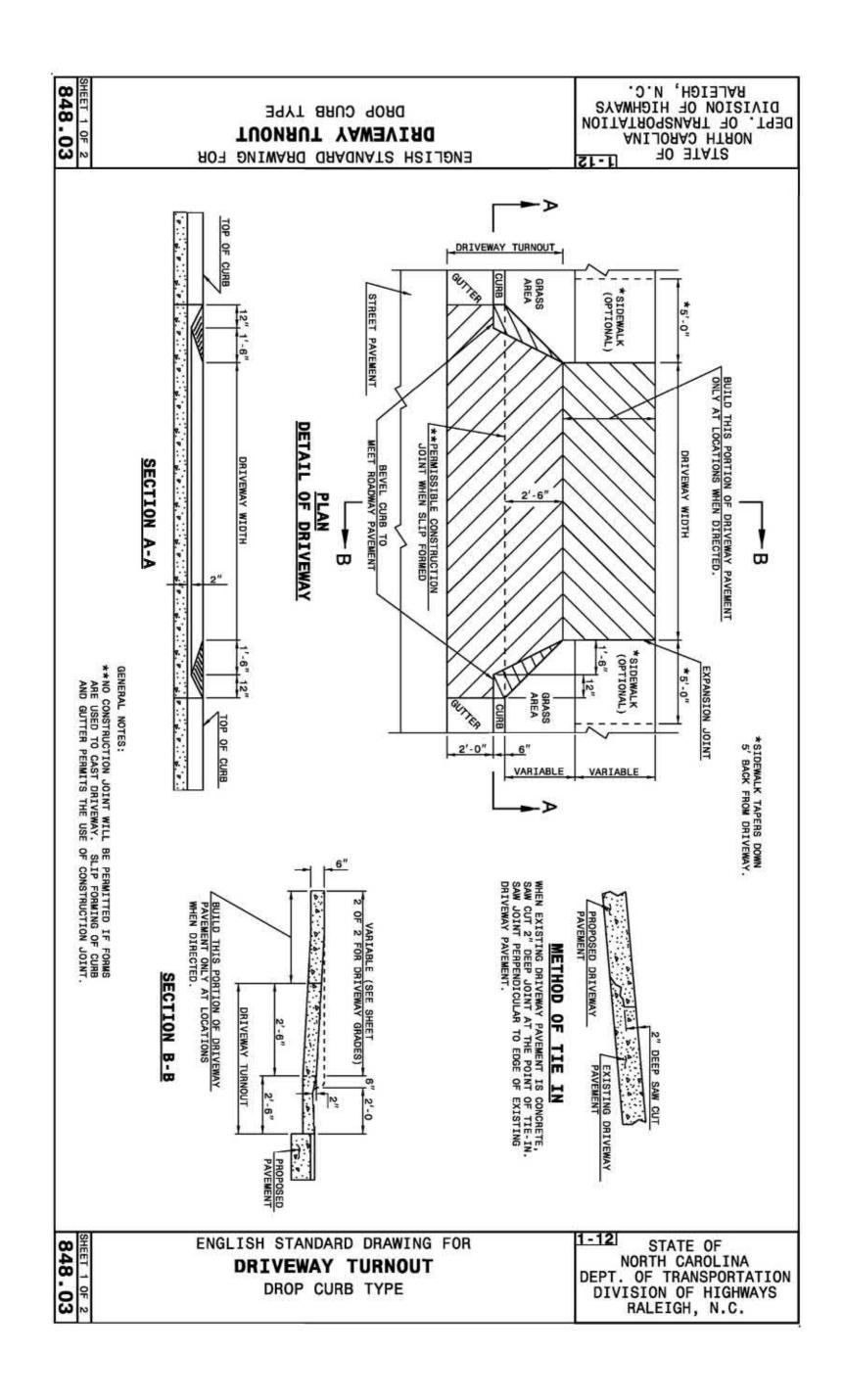


	PROJECT ENG: TRH	REVISIONS		
	DESIGNED BY: BPD	NO. DESCRIPTION:	DATE	BY
	DRAWN BY: BPD			
	CHECKED BY:			
$\dashv$	APPROVED BY:			
	11/11			

\\1612VH-W89002\WLM\_BACKUPS\\_ILM PROJECTS\TOWN OF LELAND\STP-DA 2014\5-DESIGN DRAWINGS\SHEETS\2014 STP-DA\_PLAN VIEW 
8-6-2018 REVISION.DWG 12/19/2019 4:14:18 PM

THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT.





60	CLIEN.	PROJECT:	SHEET TITLE:		CAROL CAROL	PROJECT ENG:	REVISIONS		
402602	T PROJ. NO.	2014 STP-DA PEDESTRIAN IMPROVEMENTS BRUNSWICK COUNTY NORTH CAROLINA		AECOM Corporation - North Carolina 201 North Front Street, Suite 509 Wilmington, North Carolina 28401 Telephore (010) 763, 8063, EAX (010) 763, 8280	Docusigned by SEAL DOI 10359 3071-382180F649	DESIGNED BY: BPD  DRAWN BY: BPD	NO. DESCRIPTION:	DATE	BY
20 of 22	SHEET I.D. <u>DT-103</u>	TOWN OF LELAND	DATE: 10/31/2017   SCALE:	Telephone (910) 763-8063, FAX (910) 763-8289 www.AECOM.com NCBELS LIC. NO. C-2243	DATE 3/16/2020	CHECKED BY: TRH APPROVED BY: TRH			