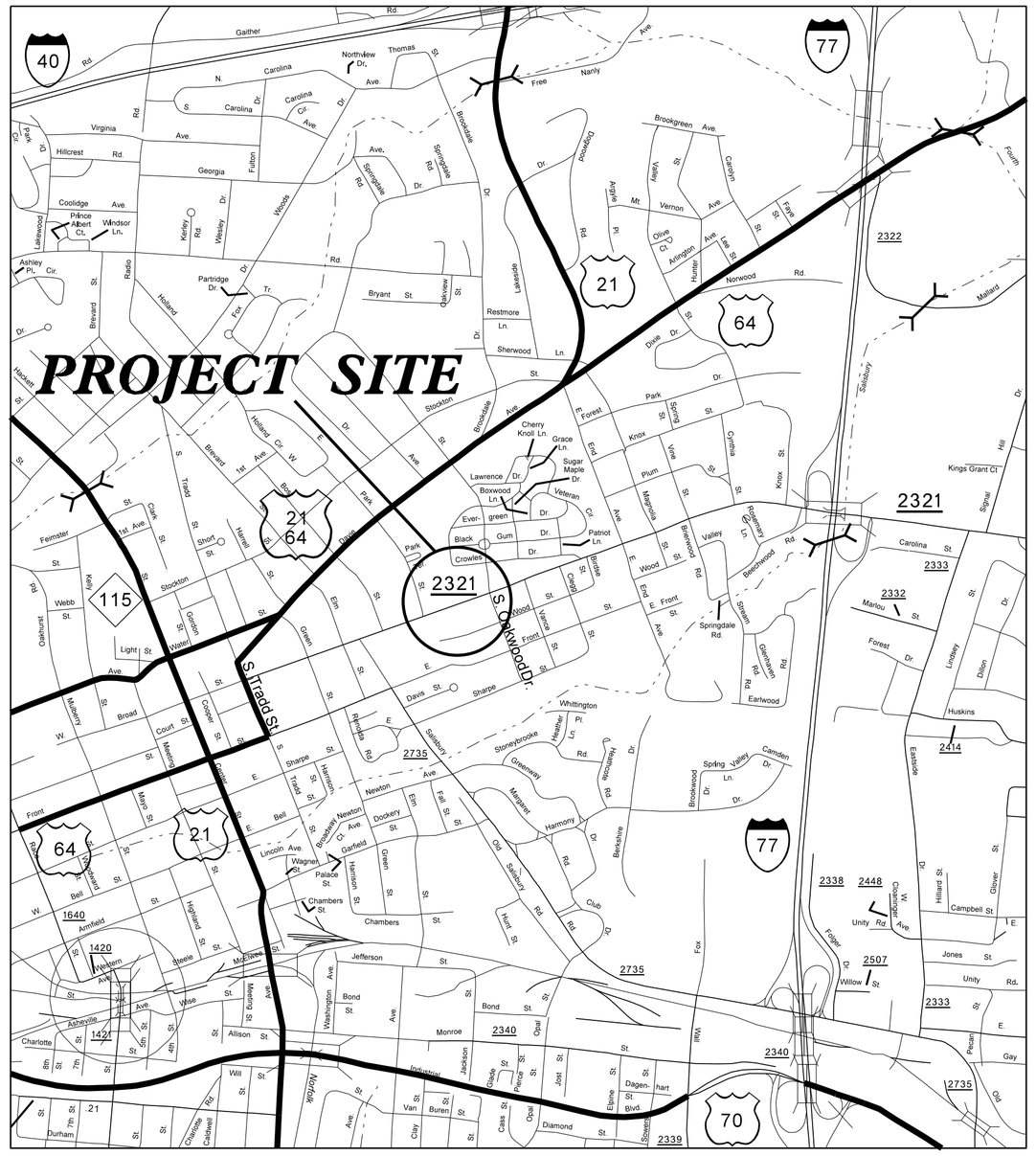
09/08/99

TIP PROJECT: 16012.1049013

CONTRACT: DI2-11986267

See Sheet 1A For Index of Sheets



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

IREDELL COUNTY

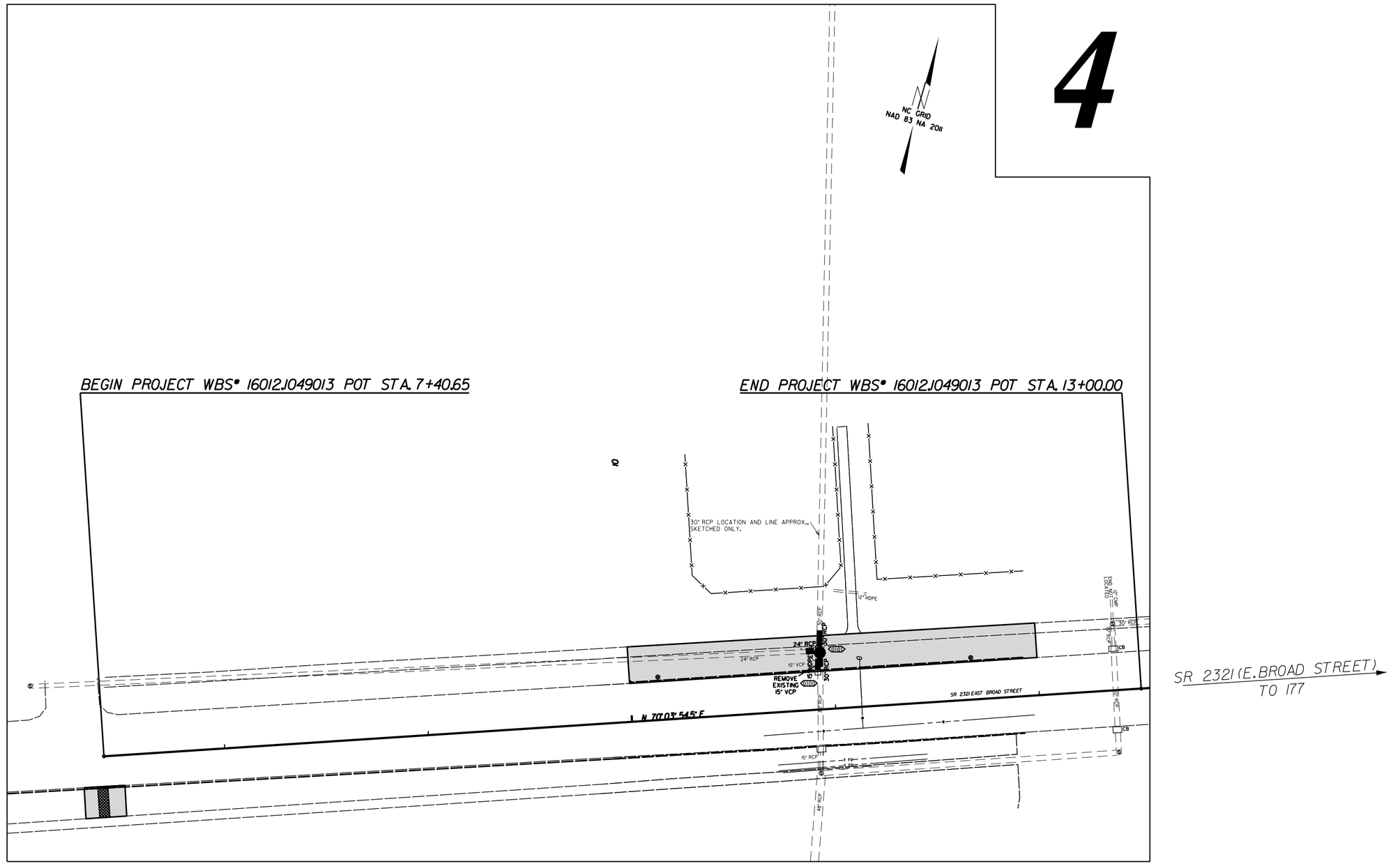
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	16012.1049013	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
16012.1049013	N/A	PE
16012.1049013	N/A	CONST

LOCATION: SR 2321 (EAST BROAD STREET)
APPROX. 300' WEST OF S. OAKWOOD DR.

TYPE OF WORK: GRADING, DRAINAGE, EROSION CONTROL, AND TRAFFIC CONTROL.

4



GRAPHIC SCALES

20 10 0 20 40
PLANS

PROJECT LENGTH

TOTAL ROADWAY LENGTH PROJECT 16012.1049013 = 0.037 MILES
TOTAL LENGTH PROJECT 16012.1049013 = 0.037 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: APRIL 13TH, 2021

COLE GURLEY
PROJECT ENGINEER

JASON WILLIS
PROJECT DESIGN ENGINEER

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

23-MAR-2021 15:18
S:\DDC\District 2\Iredell\16012.1049013_NC115_US21 Sinkhole\proj\16012.1049013_Rdy_tsh.dgn
$$$$USERNAME$$$$

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
RW-01 THRU RW-4	SURVEY CONTROL SHEETS
4	PLAN AND DRAINAGE SUMMARY SHEET
EC-1 THRU EC-3	EROSION CONTROL PLANS

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE: MCI(FIBER), ATT (FIBER), SPECTRUM (CATV)
CITY OF STATESVILLE (SEWER & WATER)

EFF. 01-16-2018 REV.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
840.53	Precast Manhole with Masonry Base - 12" thru 42" Pipe
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.72	Pipe Collar
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk

12/2/2016

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	1B

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale **S.U.E. = Subsurface Utility Engineering*

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Computed Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Existing Historic Property Boundary — HPB
- Known Contamination Area: Soil — S
- Potential Contamination Area: Soil — S
- Known Contamination Area: Water — W
- Potential Contamination Area: Water — W
- Contaminated Site: Known or Potential

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — SWITCH
- RR Abandoned
- RR Dismantled

RIGHT OF WAY & PROJECT CONTROL:

- Secondary Horiz and Vert Control Point
- Primary Horiz Control Point
- Primary Horiz and Vert Control Point
- Exist Permanent Easement Pin and Cap
- New Permanent Easement Pin and Cap
- Vertical Benchmark
- Existing Right of Way Marker
- Existing Right of Way Line
- New Right of Way Line — RW
- New Right of Way Line with Pin and Cap — RW
- New Right of Way Line with Concrete or Granite R/W Marker — RW
- New Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- New Control of Access — CA
- Existing Easement Line — E
- New Temporary Construction Easement — E
- New Temporary Drainage Easement — TDE
- New Permanent Drainage Easement — PDE
- New Permanent Drainage / Utility Easement — DUE
- New Permanent Utility Easement — PUE
- New Temporary Utility Easement — TUE
- New Aerial Utility Easement — AUE

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- U/G Power Line LOS B (S.U.E.*) — P
- U/G Power Line LOS C (S.U.E.*) — P
- U/G Power Line LOS D (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- U/G Telephone Cable LOS B (S.U.E.*) — T
- U/G Telephone Cable LOS C (S.U.E.*) — T
- U/G Telephone Cable LOS D (S.U.E.*) — T
- U/G Telephone Conduit LOS B (S.U.E.*) — TC
- U/G Telephone Conduit LOS C (S.U.E.*) — TC
- U/G Telephone Conduit LOS D (S.U.E.*) — TC
- U/G Fiber Optics Cable LOS B (S.U.E.*) — T FO
- U/G Fiber Optics Cable LOS C (S.U.E.*) — T FO
- U/G Fiber Optics Cable LOS D (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- U/G Water Line LOS B (S.U.E.*) — W
- U/G Water Line LOS C (S.U.E.*) — W
- U/G Water Line LOS D (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- U/G TV Cable LOS B (S.U.E.*) — TV
- U/G TV Cable LOS C (S.U.E.*) — TV
- U/G TV Cable LOS D (S.U.E.*) — TV
- U/G Fiber Optic Cable LOS B (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS C (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS D (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- U/G Gas Line LOS B (S.U.E.*) — G
- U/G Gas Line LOS C (S.U.E.*) — G
- U/G Gas Line LOS D (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- SS Forced Main Line LOS B (S.U.E.*) — FSS
- SS Forced Main Line LOS C (S.U.E.*) — FSS
- SS Forced Main Line LOS D (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line LOS B (S.U.E.*) — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole LOS A (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

03/23/21

TIP PROJECT: 16012.1049013

See Sheet 1A For Index of Sheets

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	16012.1049013	RW01	4

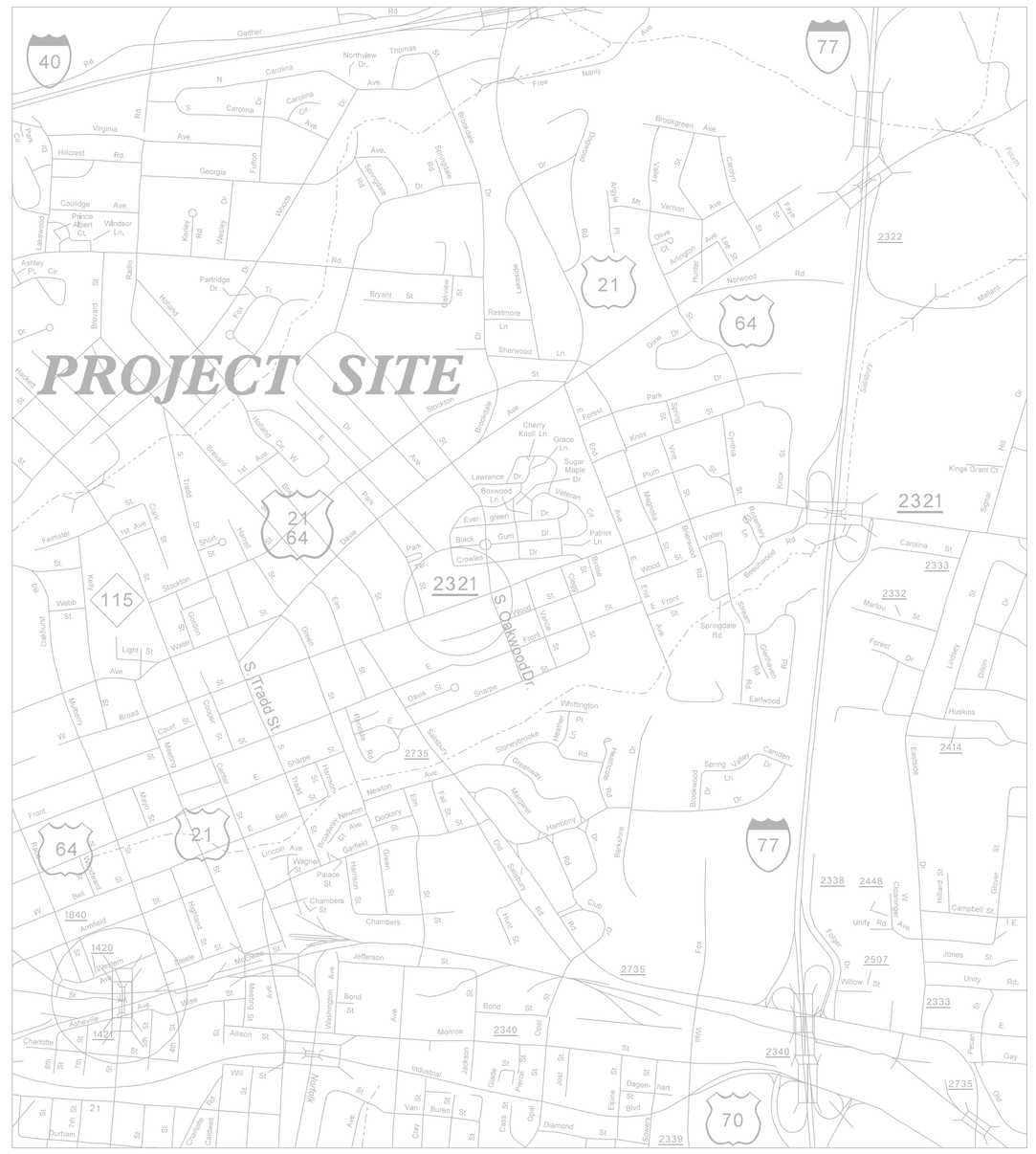
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

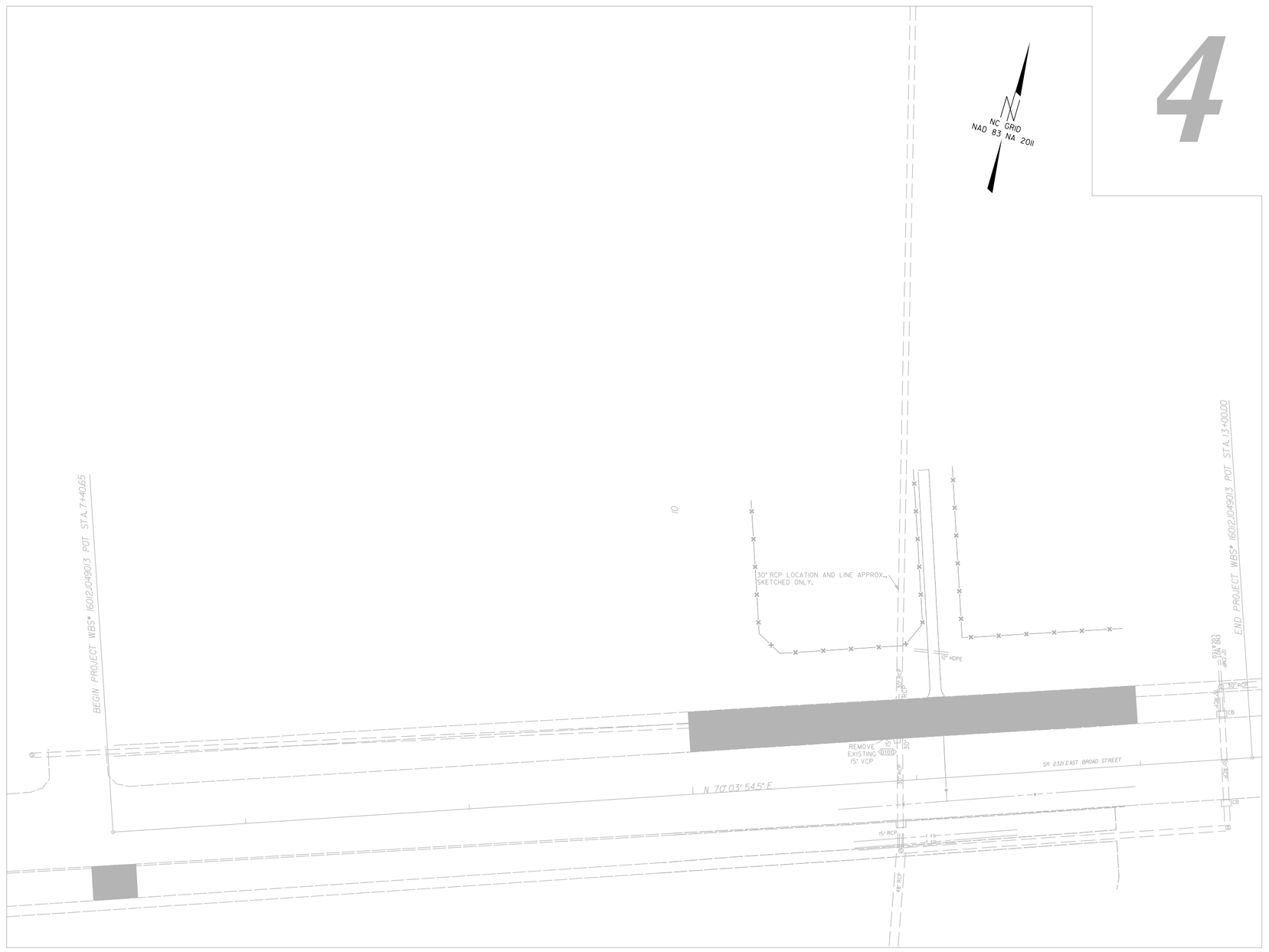
SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

IREDELL COUNTY

LOCATION: SR 2321 (EAST BROAD STREET)
APPROX. 300' WEST OF S. OAKWOOD DR.

TYPE OF WORK: GRADING, DRAINAGE, EROSION CONTROL, AND TRAFFIC CONTROL.





GRAPHIC SCALE

50 25 0 50 100
PLANS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "MAG NAIL 1" WITH NAD 83/2011 STATE PLANE GRID COORDINATES OF NORTHING: 747,485.5943(ft) EASTING: 1,443,531.5242(ft) ELEVATION: 888.413(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998800004
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "MAG NAIL 1" TO -L- STATION 7+40.65 IS S 48-39'09.5" W 949.54 (ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared In the Office of:

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: APRIL 13, 2021

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DocuSigned by: James I. Jeffreys A43045A2D7AE4CA...

3/23/2021

SIGNATURE: Date:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

23-MAR-2021 12:01
C:\Projects\Statesville_East_Broad_Street\2_Control-RW_Sheets\16012_1049013_ls_rw01.dgn
jjeffreys AT LS-3469

3/18/21

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	RW02C-1

Location and Surveys

NCDOT – Location & Surveys Unit

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, James I. Jeffreys, PE PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: [RTN]
Dates of survey: 5/12/2020
Datum/Epoch:NAD 83/2011
Published/Fixed-control use: N/A
Localized around: MAG NAIL 1
Northing: 747485.5943 usf
Easting: 1443531.5242 usf
Combined grid factor: 0.9998800004
Geoid model: G12BNC
Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 5/6/2020 to 5/12/2020 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 3/18/2021.

DocuSigned by:
A43045A2D7AE4CA...

Professional Land Surveyor L-3828

BL

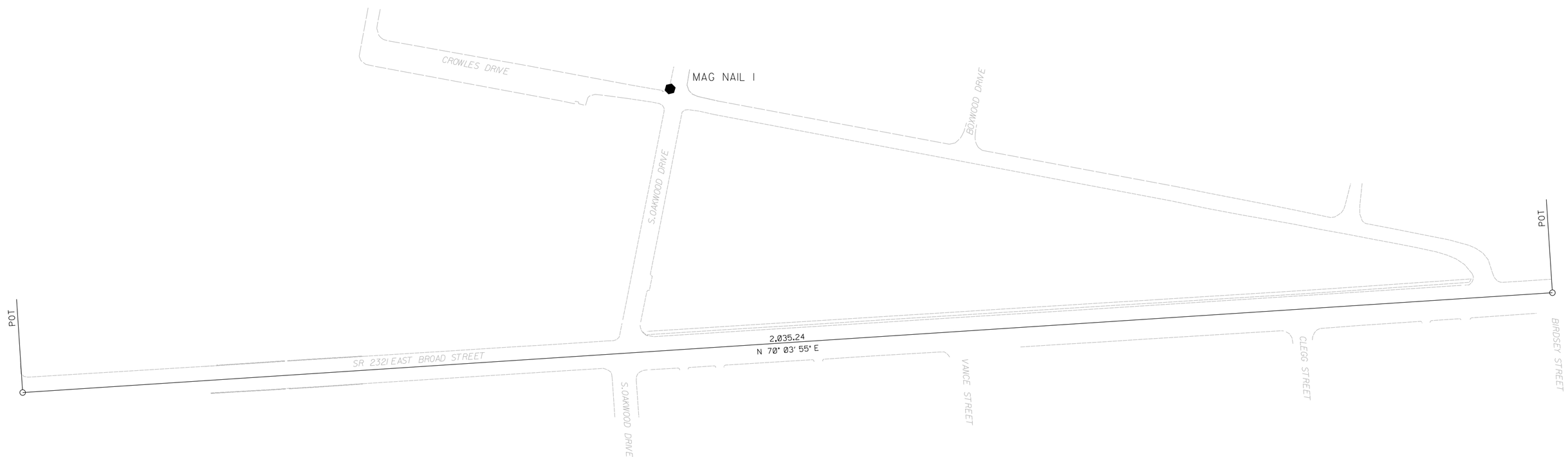
POINT	DESC.	NORTH	EAST	ELEVATION
1	MAG NAIL	747485.5943	1443531.5242	888.41
2	NAIL	748266.2812	1443437.6792	910.88

EL

POINT	N	E	BEARING	DIST
POT	746858.307	1442818.687		
LINE			N 70°03'54.5" E	2035.24
POT	747552.226	1444731.981		

NAIL 2

NC GRID NAD 83 NA 2011



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

18-MAR-2021 13:53
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JIJeffreys AT LS-314619

PROPOSED ALIGNMENT CONTROL SHEET

L

TYPE	STATION	NORTH	EAST
POT	7+40.65	746858.3066	1442818.6867
POT	13+00.00	747049.0168	1443344.5184

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	RW02D-1

Location and Surveys

NCDOT – Location & Surveys Unit

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, James I. Jeffreys,PE PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This day 3/23/2021.

DocuSigned by:
A43045A2D7AE4CA...

Professional Land Surveyor L-3828

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

3/23/21

23-MAR-2021\3:02
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jjeffreys AT LS-31619

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	RW-4

Location and Surveys

NCDOT – Location & Surveys Unit

PROJECT SURVEYOR

SEAL L-3828 — NORTH CAROLINA PROFESSIONAL LAND SURVEYOR — JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

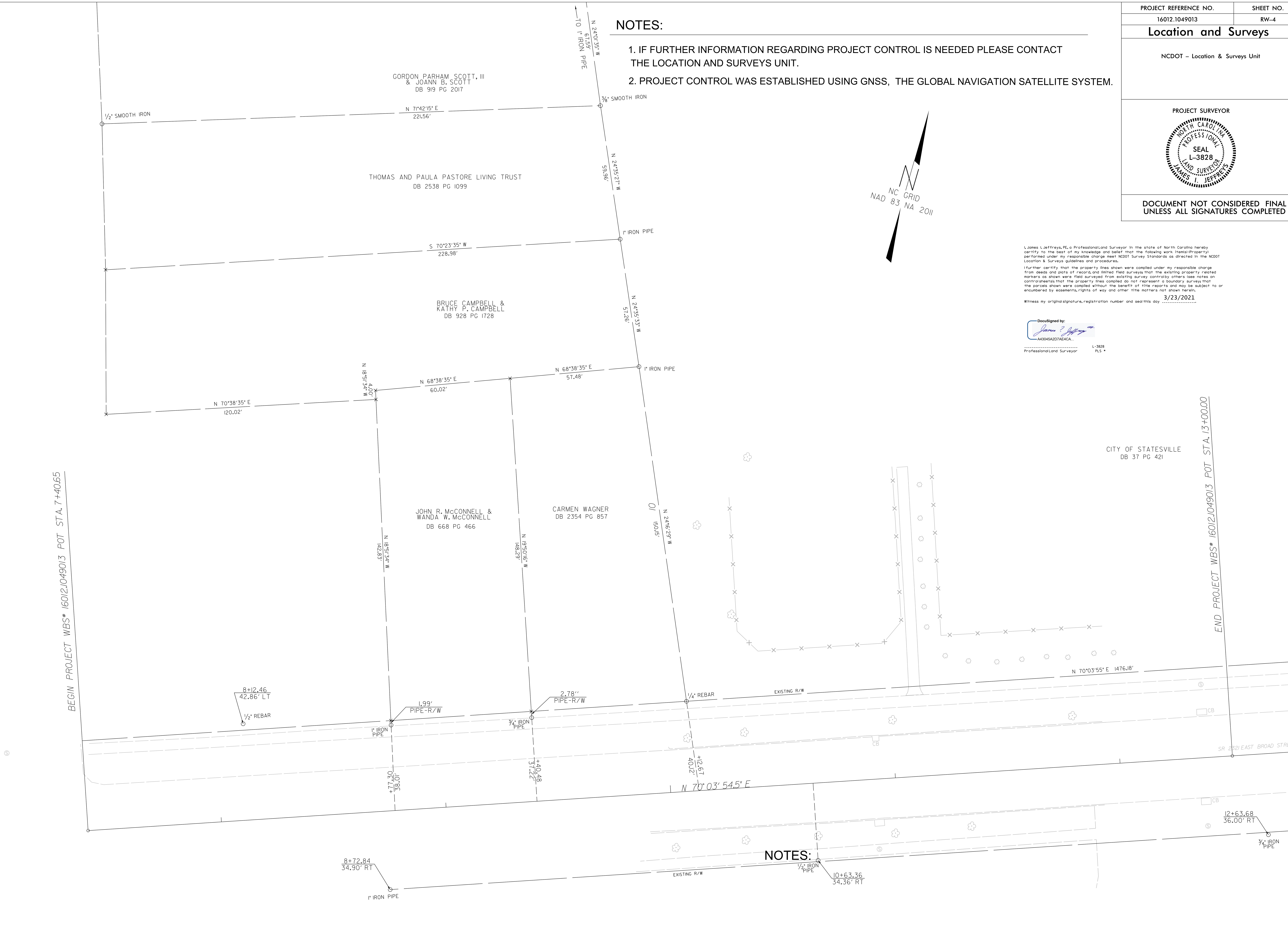
I, James I. Jeffreys, PE, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Property) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the property lines shown were compiled under my responsible charge from deeds and plats of record, and limited field surveys; that the existing property related markers as shown were field surveyed from existing survey control by others (see notes on control sheets); that the property lines compiled do not represent a boundary survey; that the parcels shown were compiled without the benefit of title reports and may be subject to or encumbered by easements, rights of way and other title matters not shown herein.

Witness my original signature, registration number and seal this day 3/23/2021

DocuSigned by: A43045A2D7AE4CA...

Professional Land Surveyor L-3828 PLS #



REVISIONS

3/23/21

23-MAR-2021 12:02
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jljeffreys AT LS-31619

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	4

COMPUTED BY: J.S. CARPENTER DATE: 3/10/2021
CHECKED BY: G.B. BRITTAIN DATE: 3/10/2021

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
STATEWIDE
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"	QUANTITIES FOR DRAINAGE STRUCTURES: PER EACH (0' THRU 5.0')	LIN. *FT. A: 5.0' THRU 10.0'	B: 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	CONCRETE TRANSITIONAL SECTION: CATCH BASIN	DROP INLET	M.H. STD. 840.52	M.H. FRAME & COVER STD. 840.54	MODIFY EXISTING DRAINAGE STRUCTURE	CONC. COLLARS CL. "B" C.Y. STD 840.72	PIPE REMOVAL LIN.FT.	REMARKS
10+85.00	LT	EXIST	0101		EXIST	862.30															8														0.5526		UTILIZE CONC. PIPE COLAR TO JOIN EXISTING PIPE TO PROPOSED IF NEEDED
10+94.02	LT		0101	870.46																						1	5	8.8				1	1				
10+92.38	LT		0100	869.06																														1			MODIFY EXISTING CB PER SPECIAL PROVISON IF NEEDED
10+92.38	LT	0100	0101		866.11	865.78		7																												6	REMOVE EXISTING 15" VCP
10+94.02	LT	0101	EXIST		EXIST	851.67																8													0.6560		UTILIZE CONC. PIPE COLAR TO JOIN EXISTING PIPE TO PROPOSED IF NEEDED
10+94.02	LT	EXIST	0101		851.70	EXIST																8													0.6560		
PROJECT TOTALS								7													8	16				1	5	8.8				1	1	1	1.8646	6	

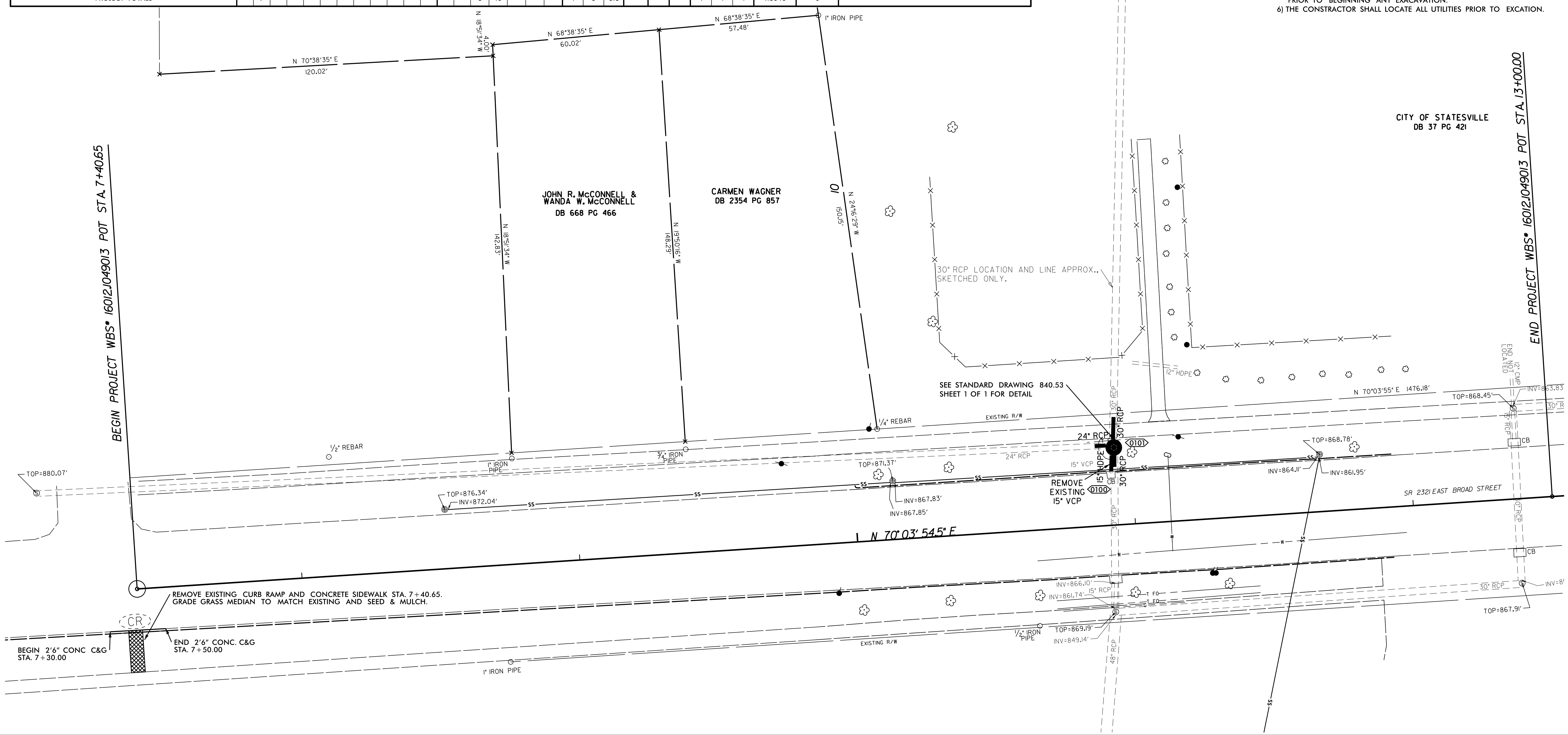
*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

ABBREVIATIONS

- C.B. CATCH BASIN
- N.D.I. NARROW DROP INLET
- D.I. DROP INLET
- G.D.I. GRATED DROP INLET
- G.D.I. (N.S.) GRATED DROP INLET (NARROW SLOT)
- J.B. JUNCTION BOX
- M.H. MANHOLE
- T.B.D.I. TRAFFIC BEARING DROP INLET
- T.B.J.B. TRAFFIC BEARING JUNCTION BOX

NC GRID NAD 83 NA 2011

*NOTES:
1) SEE STD. 840.72 FOR CONCRETE PIPE COLLARS.
2) SEE STD. 654.01 FOR DETAIL OF PAVEMENT REPAIR.
3) SEE STD. 846.01 FOR DETAIL OF CONRETE CURB AND GUTTER.
4) SEE STD. 848.01 FOR DETAIL OF CONCRETE SIDEWALK.
5) THE CONTRACTOR SHALL SUBMIT SHORING PLANS FOR APPROVAL PRIOR TO BEGINNING ANY EXACAVATION.
6) THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO EXCATION.



8/17/99

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TIP PROJECT: 16012.1049013

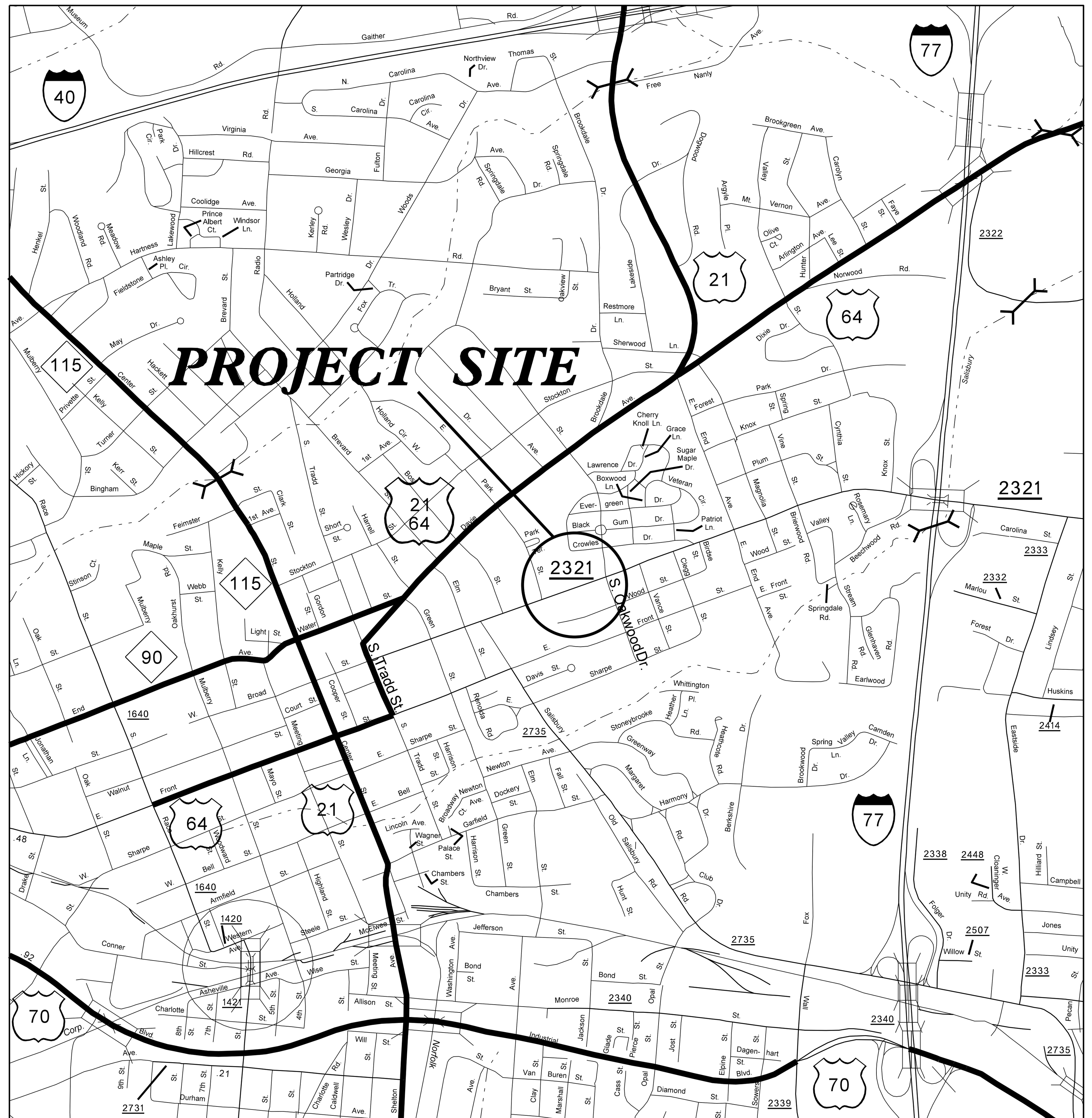
STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	16012.1049013		EC-1	3
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION		
16012.1049013	N/A	PE		
16012.1049013	N/A	CONST		

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

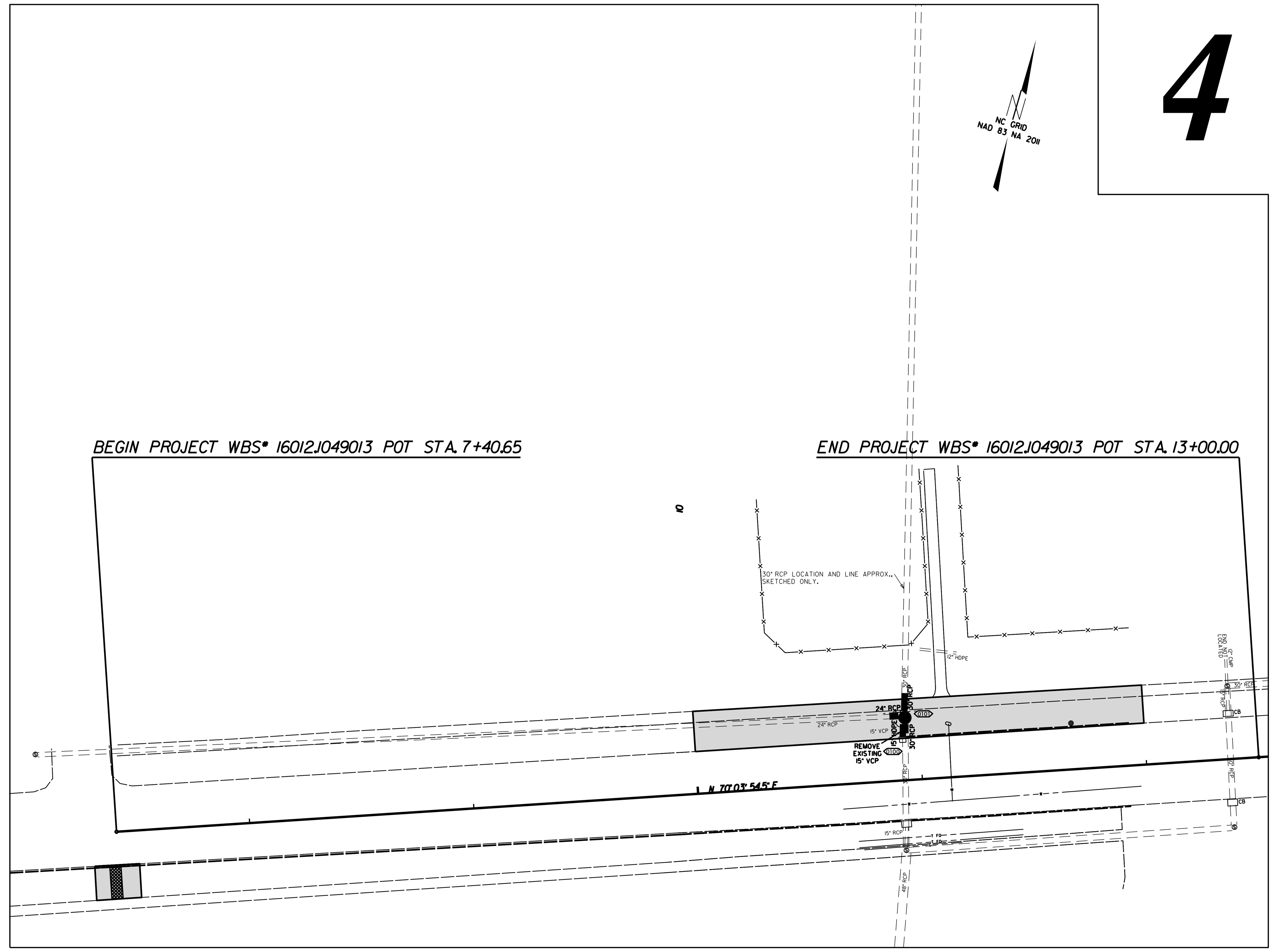
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1630.06	Special Stilling Basin	



VICINITY MAP
(NOT TO SCALE)



GRAPHIC SCALE

20 0 40

PLANS

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:

DIVISION 12 DDC
1710 E. Marion St.
Shelby, NC 28150

2018 STANDARD SPECIFICATIONS

Designed by:

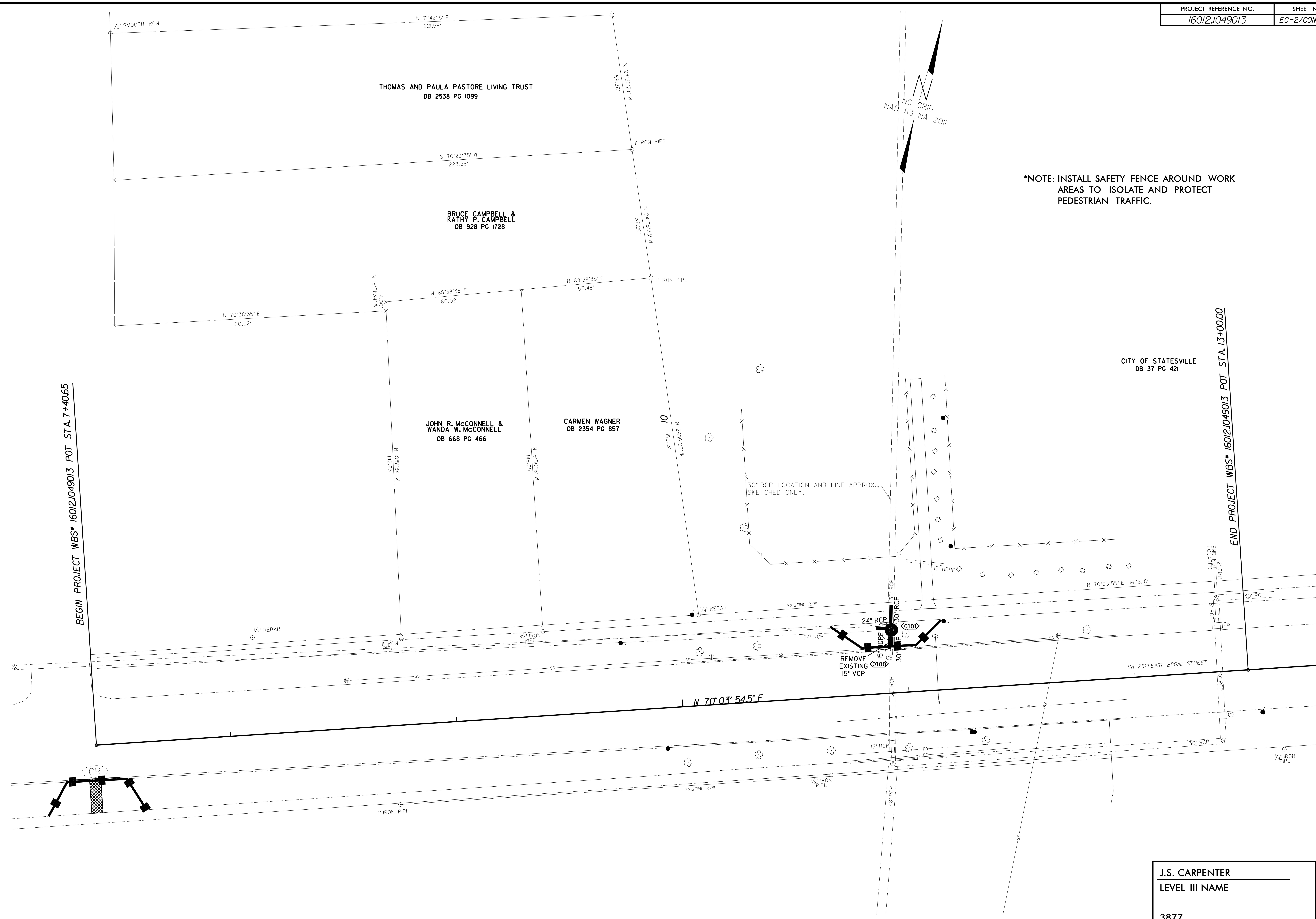
J.S. CARPENTER — NAME
3877 — LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence
1630.06 Special Stilling Basin

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	EC-2/CONST.4



THOMAS AND PAULA PASTORE LIVING TRUST
DB 2538 PG 1099
BRUCE CAMPBELL &
KATHY P. CAMPBELL
DB 928 PG 1728
JOHN R. McCONNELL &
WANDA W. McCONNELL
DB 668 PG 466
CARMEN WAGNER
DB 2354 PG 857
CITY OF STATESVILLE
DB 37 PG 421
N 71°42'15" E
221.56'
S 70°23'35" W
228.98'
N 70°38'35" E
120.02'
N 68°38'35" E
60.02'
N 68°38'35" E
57.48'
N 24°35'27" W
59.96'
N 24°35'33" W
57.26'
N 24°16'29" W
150.15'
N 18°51'34" W
142.83'
N 19°50'16" W
148.29'
N 18°51'34" W
4.00'
1/2" SMOOTH IRON
1" IRON PIPE
1/2" REBAR
3/4" IRON PIPE
NC GRID
NAD 83 NA 2011
30" RCP LOCATION AND LINE APPROX.,
SKETCHED ONLY.
N 70°03'55" E 1476.18'
EXISTING R/W
12" HDPE
12" CMP
END NOT LOCATED
24" RCP
30" RCP
15" HDPE
15" RCP
48" RCP
REMOVE
EXISTING
15" VCP
0100
0101
SR 2321 EAST BROAD STREET
N 70°03' 54.5" E
CR
BEGIN PROJECT WBS# 16012.1049013 POT STA. 7+40.65
END PROJECT WBS# 16012.1049013 POT STA. 13+00.00

*NOTE: INSTALL SAFETY FENCE AROUND WORK AREAS TO ISOLATE AND PROTECT PEDESTRIAN TRAFFIC.

J.S. CARPENTER
LEVEL III NAME

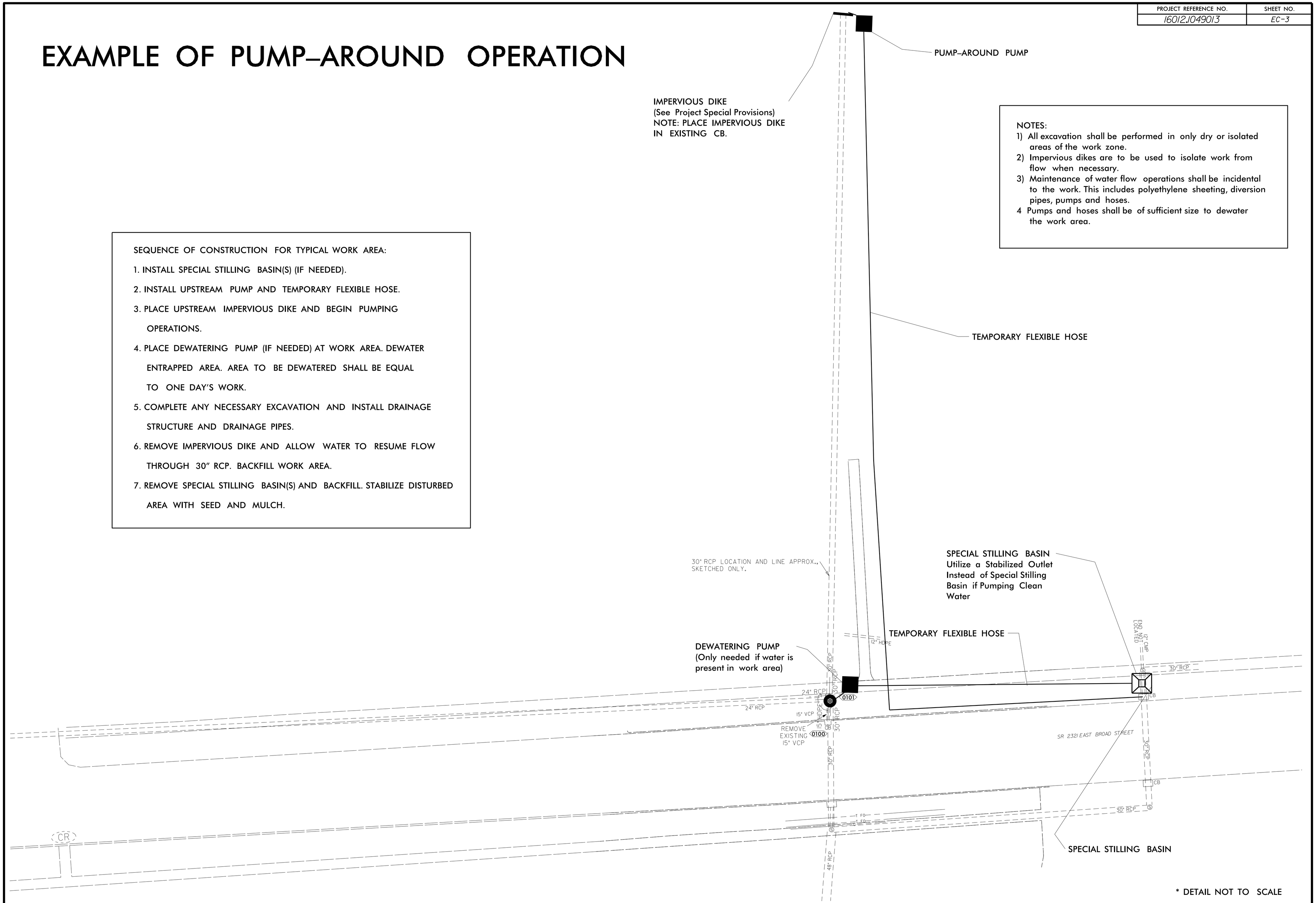
3877
LEVEL III CERTIFICATION NO.

PROJECT REFERENCE NO.	SHEET NO.
16012.1049013	EC-3

EXAMPLE OF PUMP–AROUND OPERATION

SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA:

1. INSTALL SPECIAL STILLING BASIN(S) (IF NEEDED).
2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS.
4. PLACE DEWATERING PUMP (IF NEEDED) AT WORK AREA. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
5. COMPLETE ANY NECESSARY EXCAVATION AND INSTALL DRAINAGE STRUCTURE AND DRAINAGE PIPES.
6. REMOVE IMPERVIOUS DIKE AND ALLOW WATER TO RESUME FLOW THROUGH 30" RCP. BACKFILL WORK AREA.
7. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL. STABILIZE DISTURBED AREA WITH SEED AND MULCH.



* DETAIL NOT TO SCALE