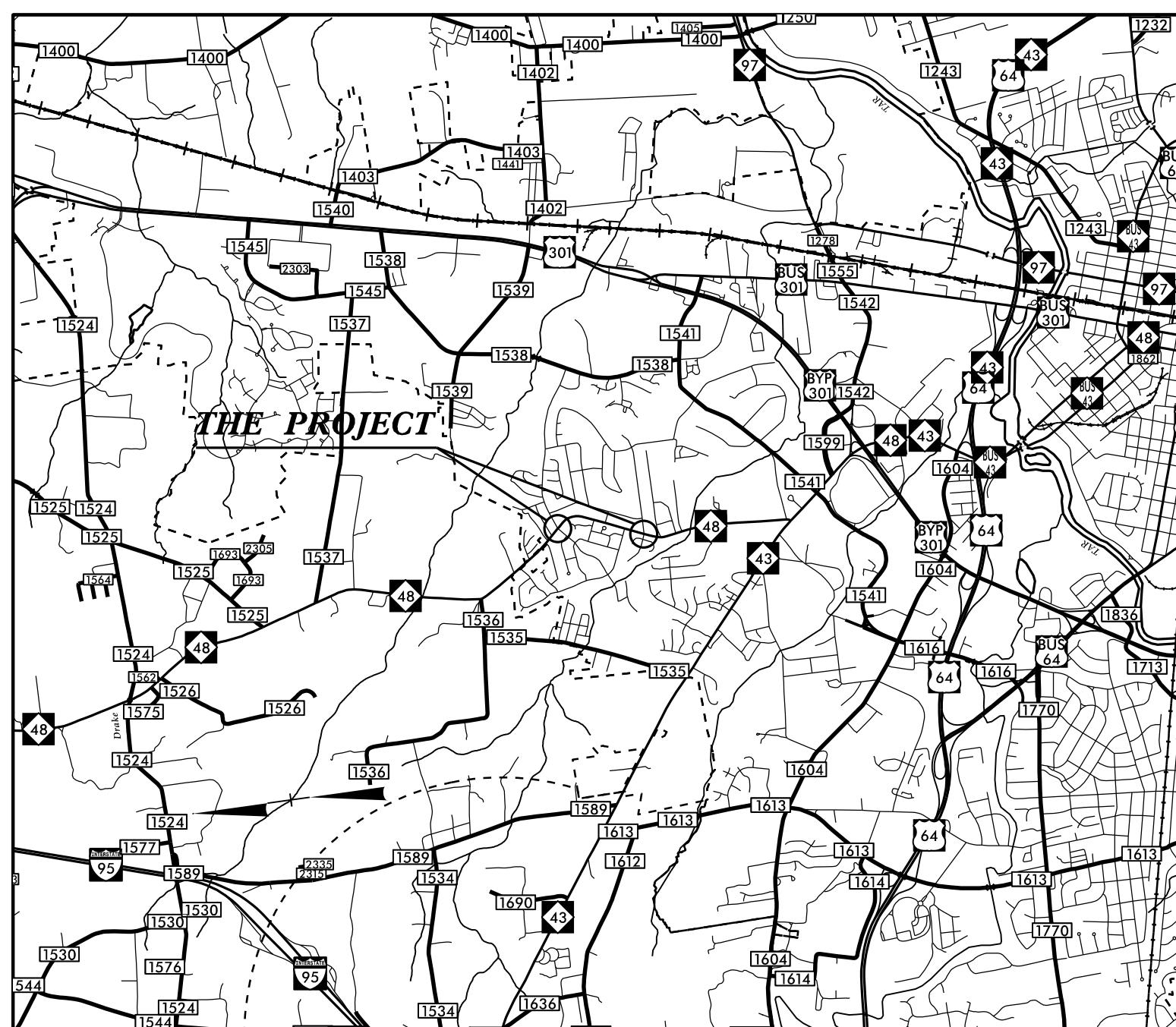


**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

See Sheet 1-A For Index of Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NASH COUNTY

**LOCATION: LINE -L1- NC 48 (GOLDROCK ROAD) AT
GREYSON ROAD & CUNNINGHAM DRIVE**

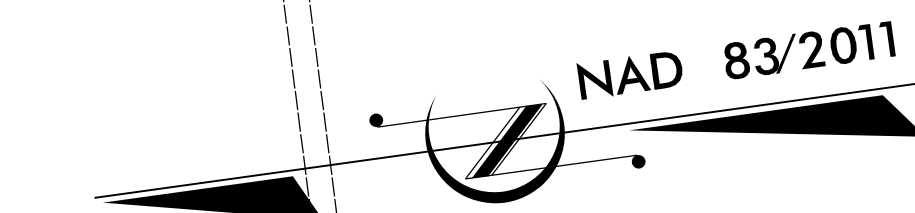
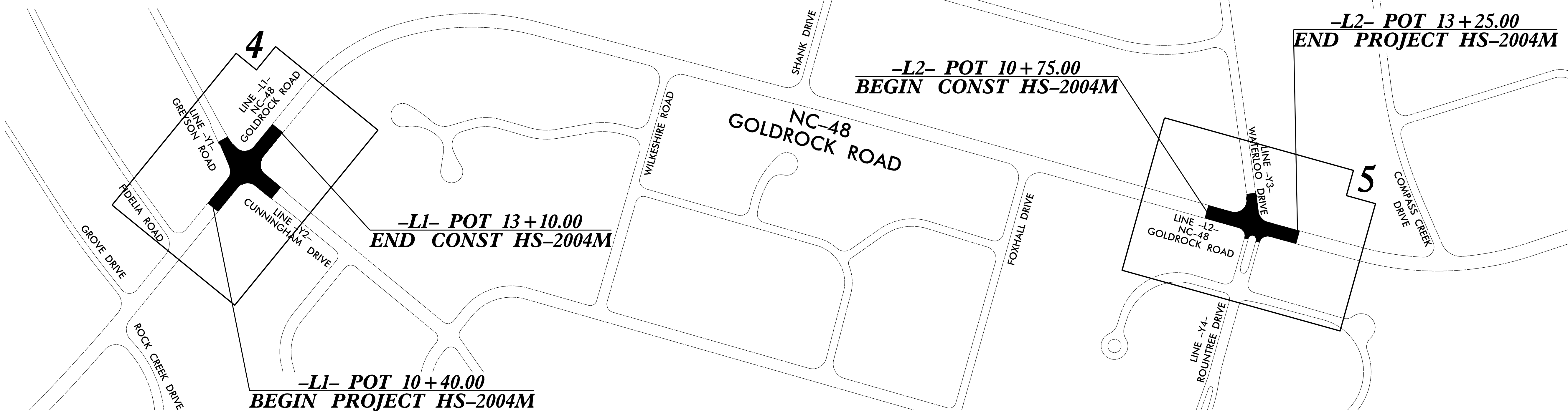
**LINE -L2- NC 48 (GOLDROCK ROAD) AT
WATERLOO DRIVE & ROUNDTREE DRIVE**

TYPE OF WORK: PAVING

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | HS-2004M | 1 | |
| STATE PROJ. NO. | F. A. PROJ. NO. | DESCRIPTION | |
| 49306.1.14 | 0048010 | PE | |
| 49306.3.14 | 0048010 | CONST. | |
| | | | |
| | | | |
| | | | |

TIP PROJECT: HS-2004M

CONTRACT: DD00419



**-L2- POT 13+25.00
END PROJECT HS-2004M**

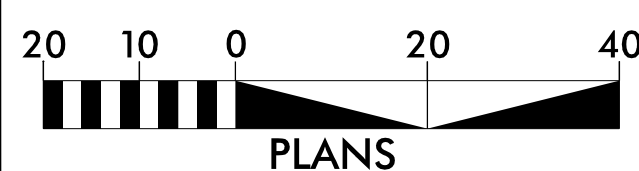
**-L2- POT 10+75.00
BEGIN CONST HS-2004M**

**-L1- POT 13+10.00
END CONST HS-2004M**

**-L1- POT 10+40.00
BEGIN PROJECT HS-2004M**

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



PLANS

DESIGN DATA

ADT 2020 = 6500

FUNCTIONAL CLASS
MINOR ARTERIAL
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT HS-2004M LINE -L1- = 0.051 MILES
LENGTH ROADWAY TIP PROJECT HS-2004M LINE -L2- = 0.047 MILES
TOTAL LENGTH TIP PROJECT HS-2004M = 0.098 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

Division 4 DDC
509 Ward Blvd., Wilson NC, 27895

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NA

LETTING DATE:
SEPTEMBER 26, 2023

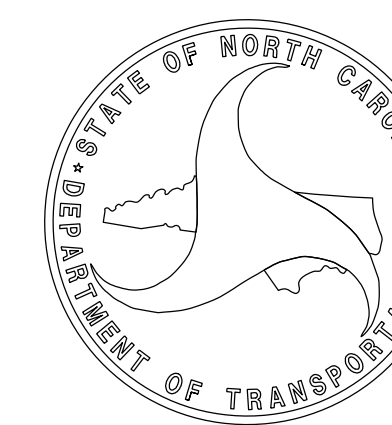
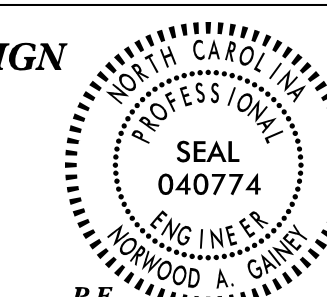
KEITH EASON, PE
PROJECT ENGINEER

D. R. ETHRIDGE
PROJECT DESIGN ENGINEER


ROADWAY DESIGN
ENGINEER

07/21/2023

Designed by:
Norwood A. GAINY III
SEAL
040774
ENGINEER
NORWOOD A. GAINY
P.E.



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

| | |
|---|------------------|
| PROJ. REFERENCE NO. HS-2004M | SHEET NO. I-A |
| ROADWAY DESIGN ENGINEER | |
|  | |
| 07/21/2023 | |
| DocuSigned by: <i>Norwood A. Gainey III</i> <small>ED099550A450448</small> | |

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:

DIVISION 8 - INCIDENTALS
852.02 CONCRETE MOUNTABLE MEDIAN - FOR USE WITH RIGID OR FLEXIBLE PAVEMENT

GENERAL NOTES: 2018 SPECIFICATIONS

GRADE LINE:
SIDE ROADS:
THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

TEMPORARY SHORING:
SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

SUBSURFACE PLANS:
NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:
UTILITY OWNERS ON THIS PROJECT ARE:
CITY OF ROCKY MOUNT POWER, CITY OF ROCKY MOUNT GAS,
CITY OF ROCKY MOUNT WATER & SEWER, SUDDENLINK AND CENTURYLINK.

CURB RAMPS
CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.
CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 AND/OR DETAIL IN PLANS (2C-1).

| SHEET NUMBER | INDEX OF SHEETS SHEET |
|----------------------|---|
| 1 | TITLE SHEET |
| 1A | INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS |
| 1B | CONVENTIONAL SYMBOLS |
| 2C-1 | SPECIAL DETAIL - CURB RAMP |
| 4 THRU 5 | PLAN SHEETS |
| RW02C-1 THRU RW02C-3 | SURVEY CONTROL, EXISTING CENTERLINES |
| TMP-1 THRU TMP-2C | TRANSPORTATION MANAGEMENT PLANS |
| PMP-1 THRU PMP-3 | PAVEMENT MARKING PLANS |
| SIGN-1 THRU SIGN-4 | SIGNING PLANS |

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

| | |
|--|----------|
| State Line | ----- |
| County Line | ----- |
| Township Line | ----- |
| City Line | ----- |
| Reservation Line | ----- |
| Property Line | ----- |
| Existing Iron Pin | ○ EIP |
| Property Corner | -----x |
| Property Monument | □ EDM |
| Parcel/Sequence Number | ①23 |
| Existing Fence Line | -x-x-x- |
| 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 |
| Known Soil Contamination: Area or Site | ☠ ☠ |
| Potential Soil Contamination: Area or Site | ?? ?? |

BUILDINGS AND OTHER CULTURE:

| | |
|-------------------------------|---|
| Gas Pump Vent or U/G Tank Cap | ○ |
| Sign | ○ |
| Well | ○ |
| 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 | ----- |
| False Sump | ----- |

RAILROADS:

| | |
|--------------------|-------|
| Standard Gauge | ----- |
| RR Signal Milepost | ○ |
| Switch | □ |
| RR Abandoned | ----- |
| RR Dismantled | ----- |

RIGHT OF WAY:

| | |
|--|----------|
| Baseline Control Point | ◆ |
| Existing Right of Way Marker | △ |
| Existing Right of Way Line | ----- |
| Proposed Right of Way Line | -----RW |
| Proposed Right of Way Line with Iron Pin and Cap Marker | -----RW |
| Proposed Right of Way Line with Concrete or Granite R/W Marker | -----RW |
| Proposed Control of Access Line with Concrete C/A Marker | -----C/A |
| Existing Control of Access | -----C/A |
| Proposed Control of Access | -----C/A |
| Existing Easement Line | -----E |
| Proposed Temporary Construction Easement | -----E |
| Proposed Temporary Drainage Easement | -----TDE |
| Proposed Permanent Drainage Easement | -----PDE |
| Proposed Permanent Drainage / Utility Easement | -----DUE |
| Proposed Permanent Utility Easement | -----PUE |
| Proposed Temporary Utility Easement | -----TUE |
| Proposed Aerial Utility Easement | -----AUE |
| Proposed Permanent Easement with Iron Pin and Cap Marker | ----- |

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 | ----- |
| Single Tree | ☼ |
| Single Shrub | ☼ |
| Hedge | ----- |
| Woods Line | ----- |

VEGETATION:

| | |
|----------|-------|
| Orchard | ----- |
| 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 | ----- |
| Storm Sewer | -----S |

UTILITIES:

| | |
|-------------------------------------|--------|
| POWER: | |
| Existing Power Pole | ● |
| Proposed Power Pole | ○ |
| Existing Joint Use Pole | ● |
| Proposed Joint Use Pole | ○ |
| Power Manhole | ⊕ |
| Power Line Tower | ⊗ |
| Power Transformer | ⊗ |
| U/G Power Cable Hand Hole | ----- |
| H-Frame Pole | ● |
| Recorded U/G Power Line | -----P |
| Designated U/G Power Line (S.U.E.*) | -----P |

TELEPHONE:

| | |
|---|-----------|
| Existing Telephone Pole | ● |
| Proposed Telephone Pole | ○ |
| Telephone Manhole | ⊕ |
| Telephone Booth | ⊕ |
| Telephone Pedestal | ⊕ |
| Telephone Cell Tower | ⊕ |
| U/G Telephone Cable Hand Hole | ----- |
| Recorded U/G Telephone Cable | -----T |
| Designated U/G Telephone Cable (S.U.E.*) | -----T |
| Recorded U/G Telephone Conduit | -----TC |
| Designated U/G Telephone Conduit (S.U.E.*) | -----TC |
| Recorded U/G Fiber Optics Cable | -----T FO |
| Designated U/G Fiber Optics Cable (S.U.E.*) | -----T FO |

WATER:

| | |
|-------------------------------------|----------------|
| Water Manhole | ⊕ |
| Water Meter | ○ |
| Water Valve | ⊗ |
| Water Hydrant | ⊕ |
| Recorded U/G Water Line | -----W |
| Designated U/G Water Line (S.U.E.*) | -----W |
| Above Ground Water Line | -----A/G Water |

TV:

| | |
|--|------------|
| TV Satellite Dish | ☼ |
| TV Pedestal | ⊕ |
| TV Tower | ⊗ |
| U/G TV Cable Hand Hole | ----- |
| Recorded U/G TV Cable | -----TV |
| Designated U/G TV Cable (S.U.E.*) | -----TV |
| Recorded U/G Fiber Optic Cable | -----TV FO |
| Designated U/G Fiber Optic Cable (S.U.E.*) | -----TV FO |

GAS:

| | |
|-----------------------------------|--------------|
| Gas Valve | ◇ |
| Gas Meter | ⊕ |
| Recorded U/G Gas Line | -----G |
| Designated U/G Gas Line (S.U.E.*) | -----G |
| Above Ground Gas Line | -----A/G Gas |

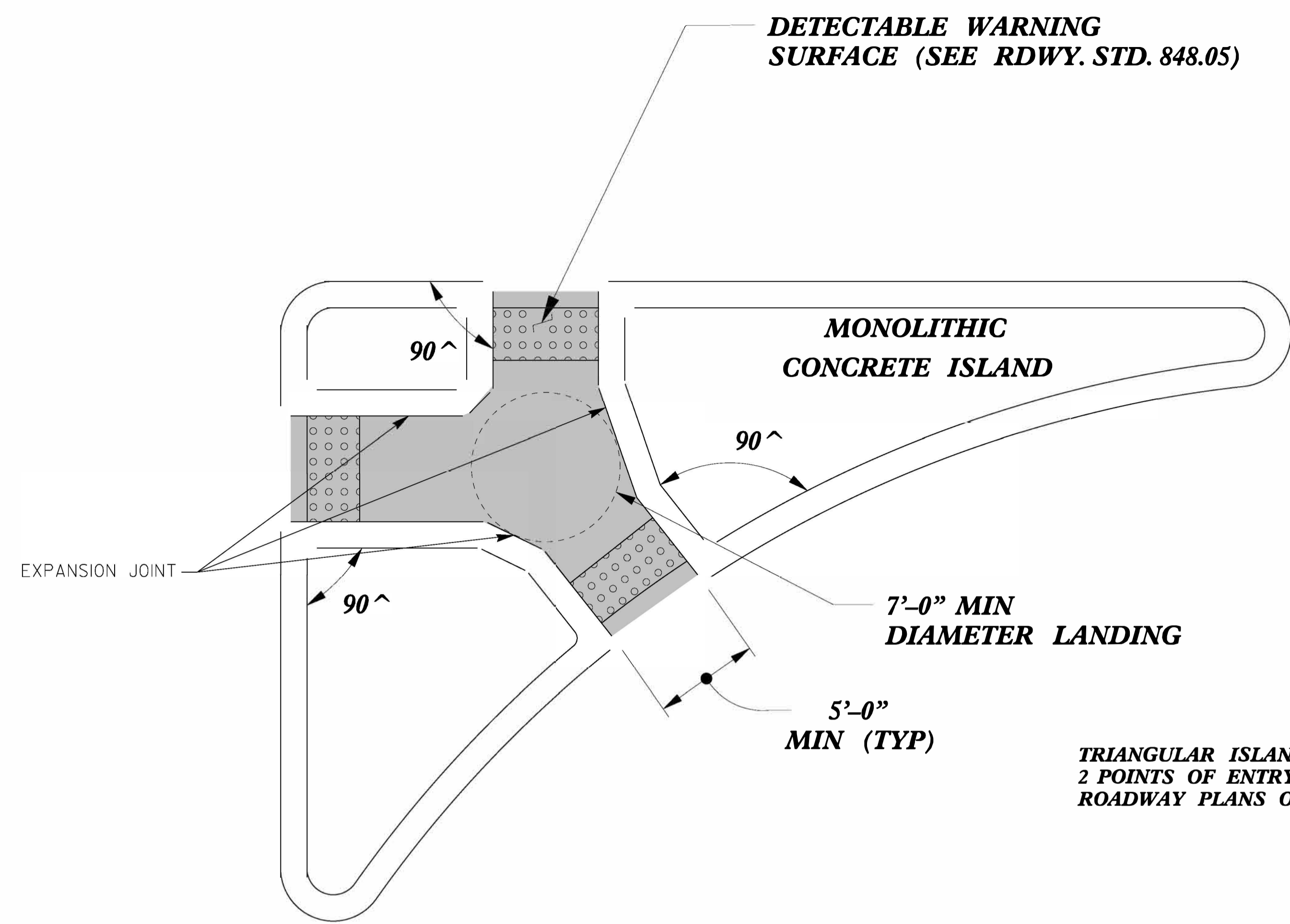
SANITARY SEWER:

| | |
|--|-------------------------|
| Sanitary Sewer Manhole | ⊕ |
| Sanitary Sewer Cleanout | ⊕ |
| U/G Sanitary Sewer Line | -----SS |
| Above Ground Sanitary Sewer | -----A/G Sanitary Sewer |
| Recorded SS Forced Main Line | -----FSS |
| Designated SS Forced Main Line (S.U.E.*) | -----FSS |

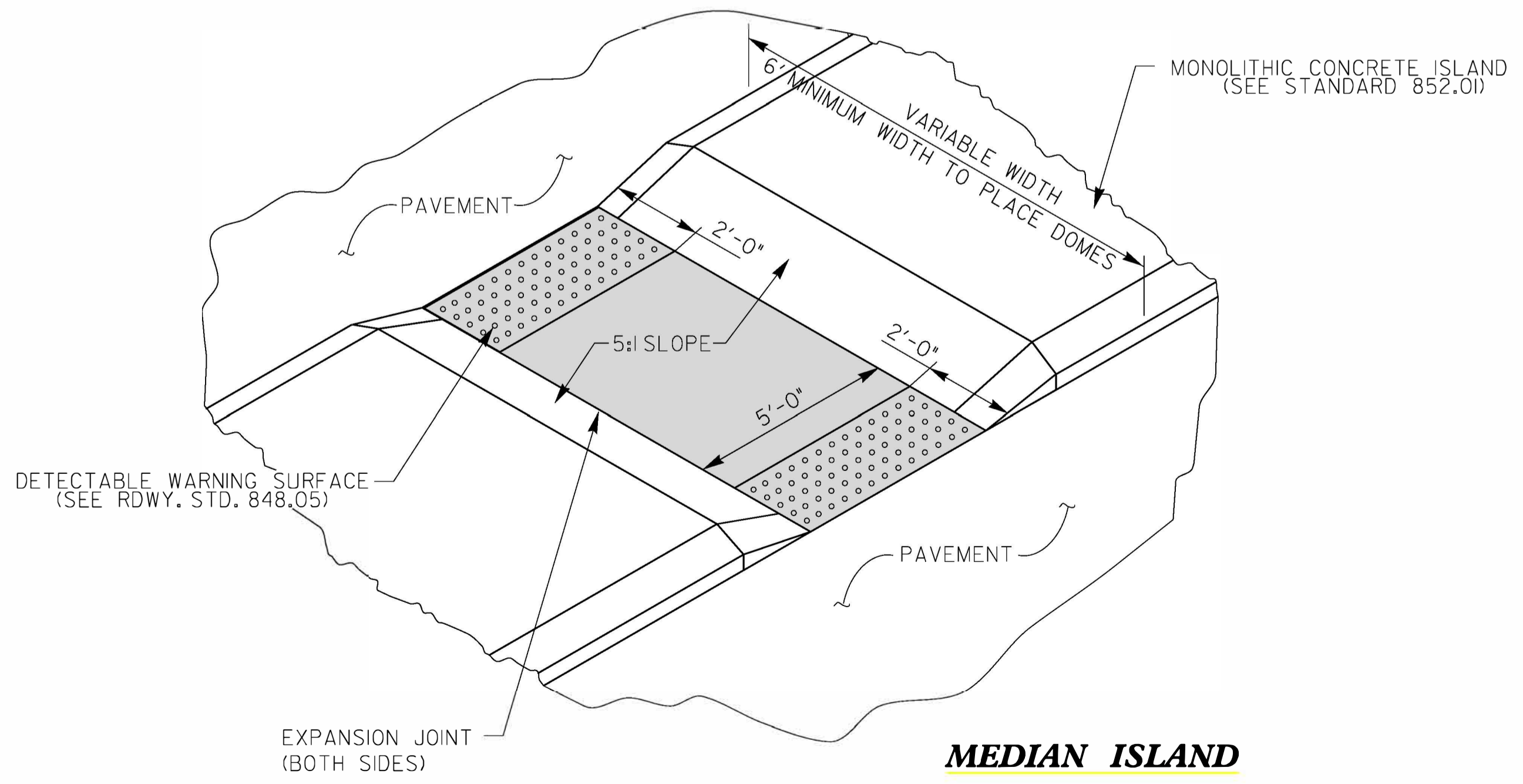
MISCELLANEOUS:

| | |
|--|-----------|
| Utility Pole | ● |
| Utility Pole with Base | □ |
| Utility Located Object | ○ |
| Utility Traffic Signal Box | ⊕ |
| Utility Unknown U/G Line | -----TUTL |
| U/G Tank; Water, Gas, Oil | ----- |
| Underground Storage Tank, Approx. Loc. | ⊕ |
| A/G Tank; Water, Gas, Oil | ----- |
| Geoenvironmental Boring | ⊕ |
| U/G Test Hole (S.U.E.*) | ⊕ |
| Abandoned According to Utility Records | AATUR |
| End of Information | E.O.I. |

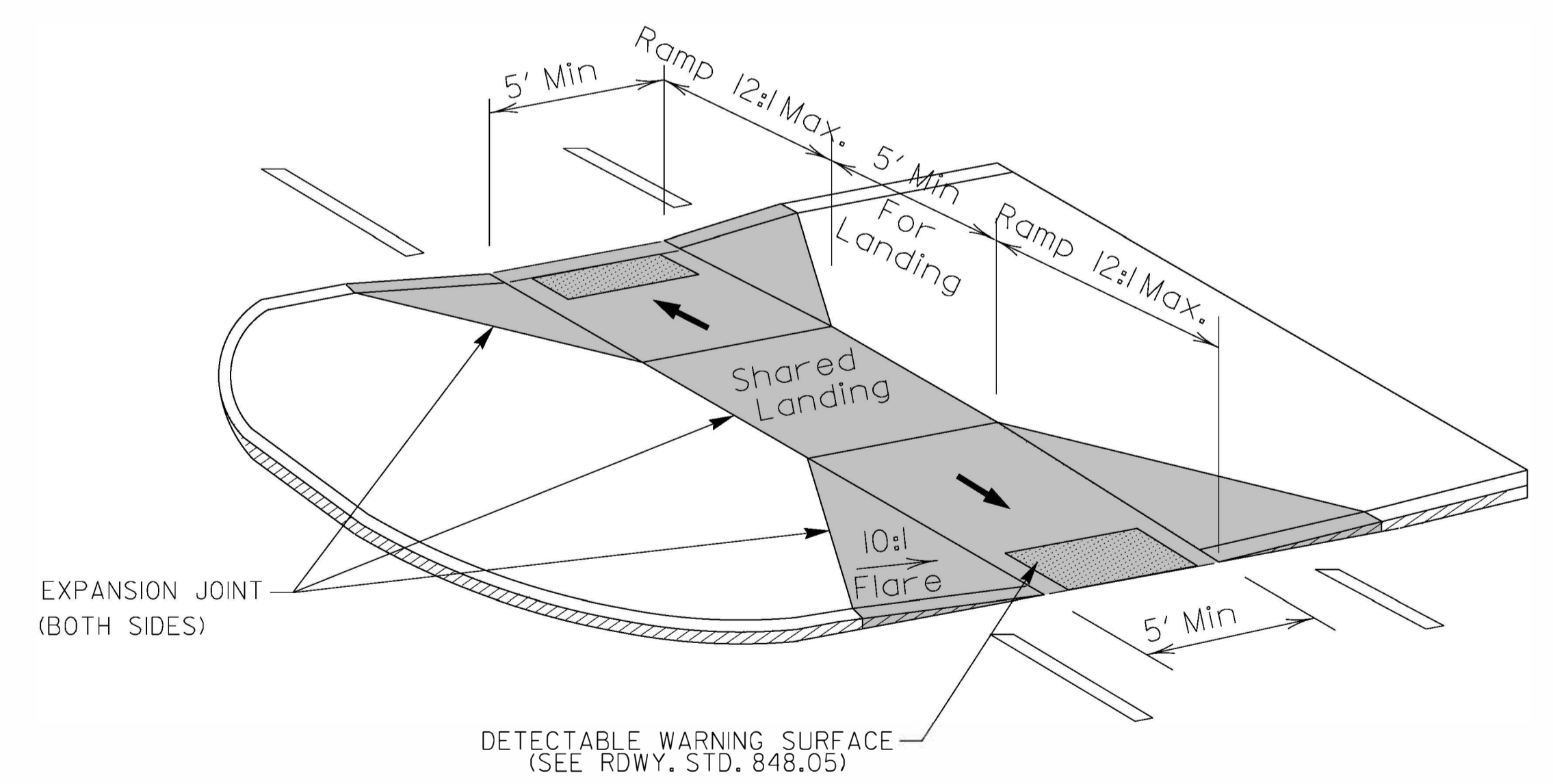
PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF TRUNCATED DOMES)



**TRIANGULAR ISLAND
WITH CUT THROUGH
TYPE 6**



**MEDIAN ISLAND
WITH CUT THROUGH
TYPE 7**



**MEDIAN ISLAND
CURB RAMPS
TYPE 8**

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

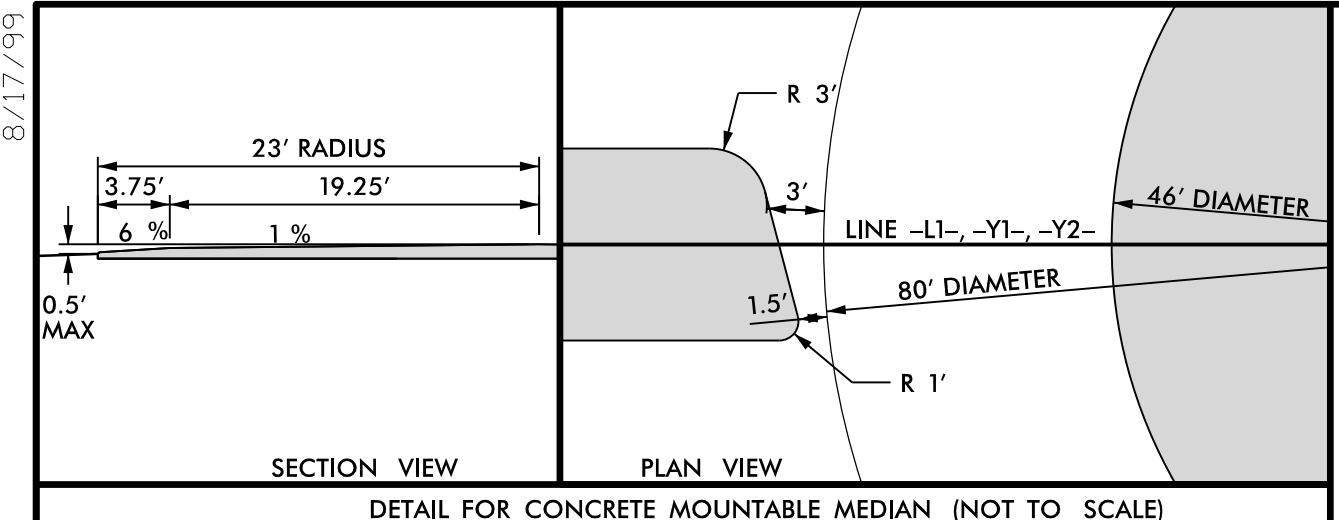
CURB RAMPS
Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn

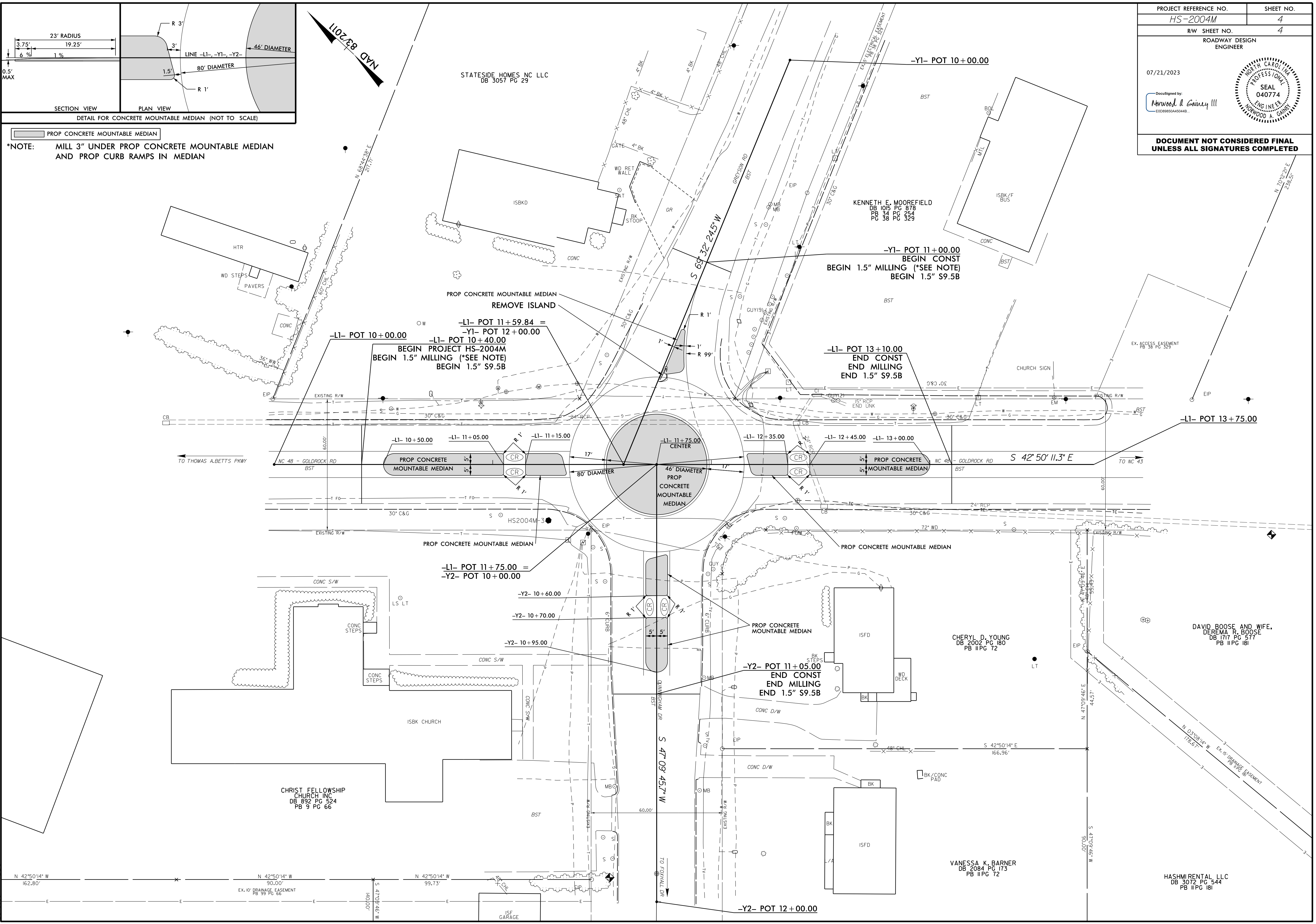


5/14/99
SYTIME
SUGERNAVE

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



***NOTE:** MILL 3" UNDER PROP CONCRETE MOUNTABLE MEDIAN AND PROP CURB RAMPS IN MEDIAN



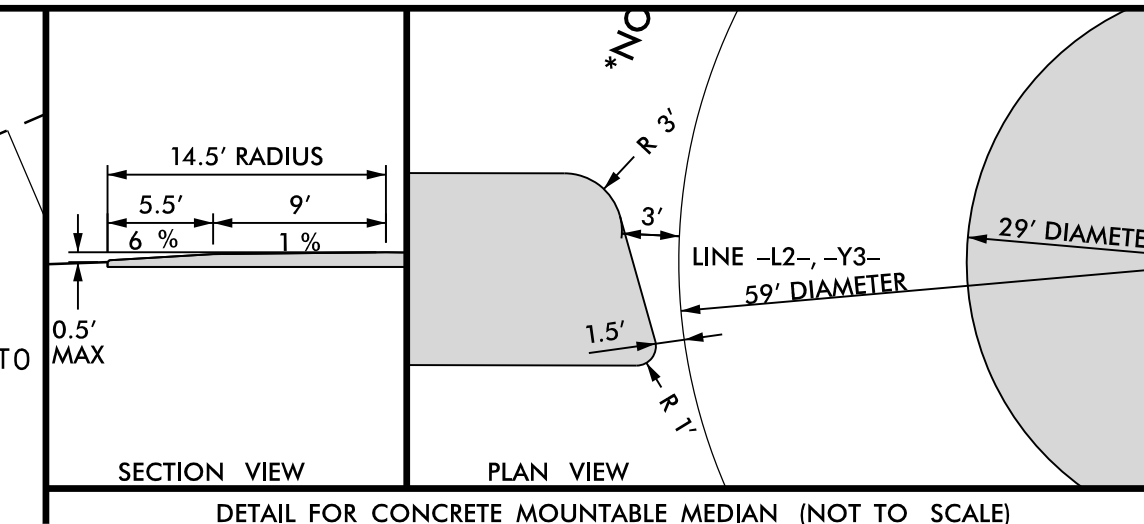
8/17/99
 20-JUL-2023 15:49
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 Division 4

07/21/2023

DocuSigned by:
Norwood A. Gainey III
E0D8850A5044B



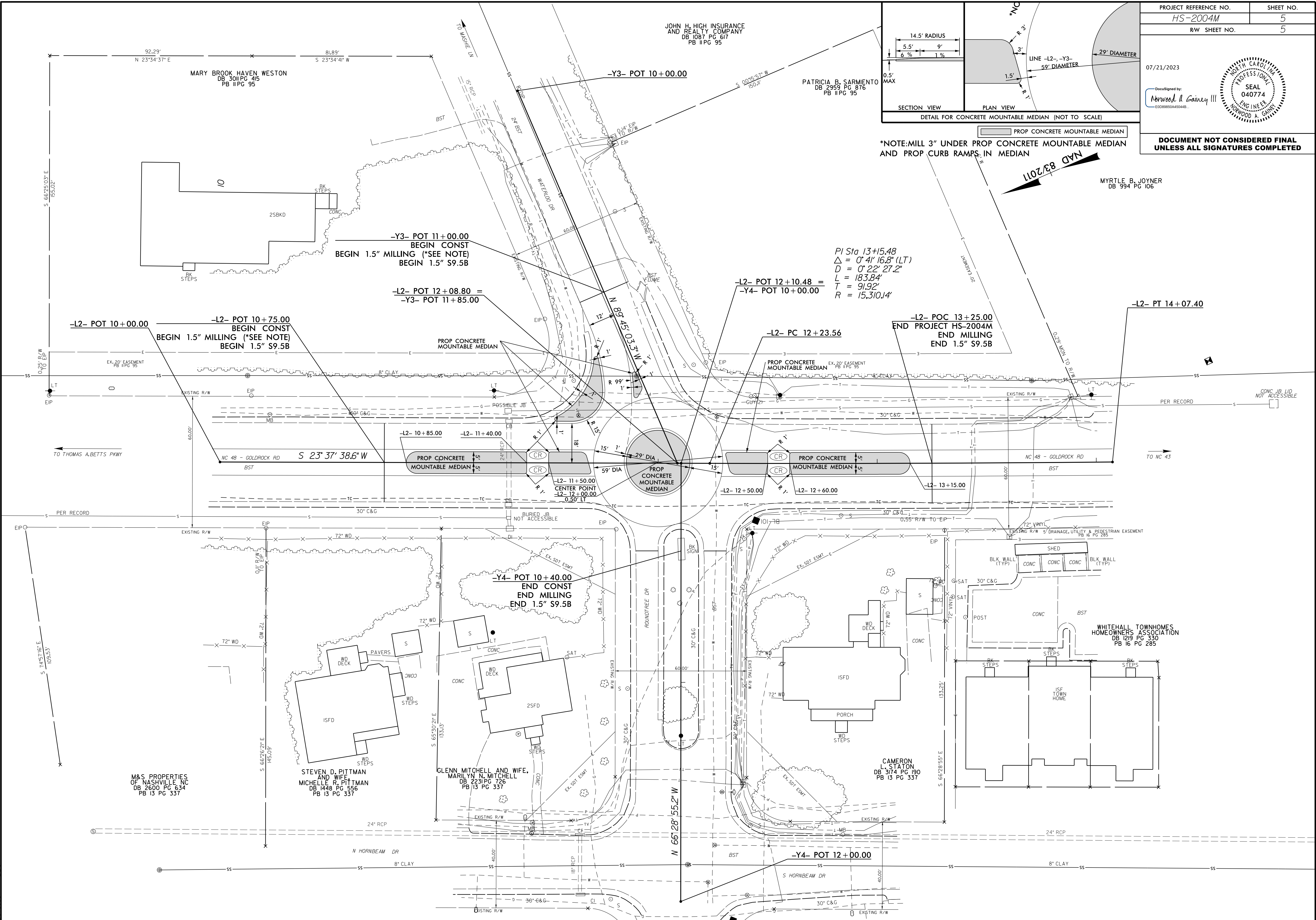
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



*NOTE: MILL 3" UNDER PROP CONCRETE MOUNTABLE MEDIAN AND PROP CURB RAMPS IN MEDIAN

MYRTLE B. JOYNER
DB 994 PG 106

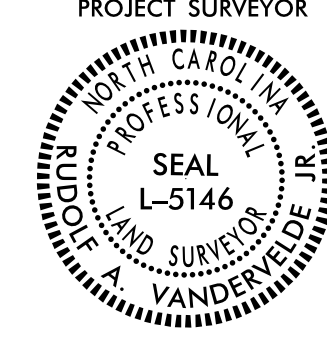
PI Sta 13+15.48
Δ = 0° 41' 16.8" (LT)
D = 0° 22' 27.2"
L = 183.84'
T = 91.92'
R = 15,310.4'



8/17/99
 20-JUL-2023 15:50
 R:\Roadway\PC\HS-2004M.DOC4_PSH05.dgn
 Division 4.DWG

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|----------------------|
| PROJECT REFERENCE NO. 49306.1.14 | SHEET NO. RW02C-1 |
| Location and Surveys | |
| WITHERSRAVENEL INC | |
| PROJECT SURVEYOR | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

I, RUDOLF A. VANDERVELDE JR., 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:

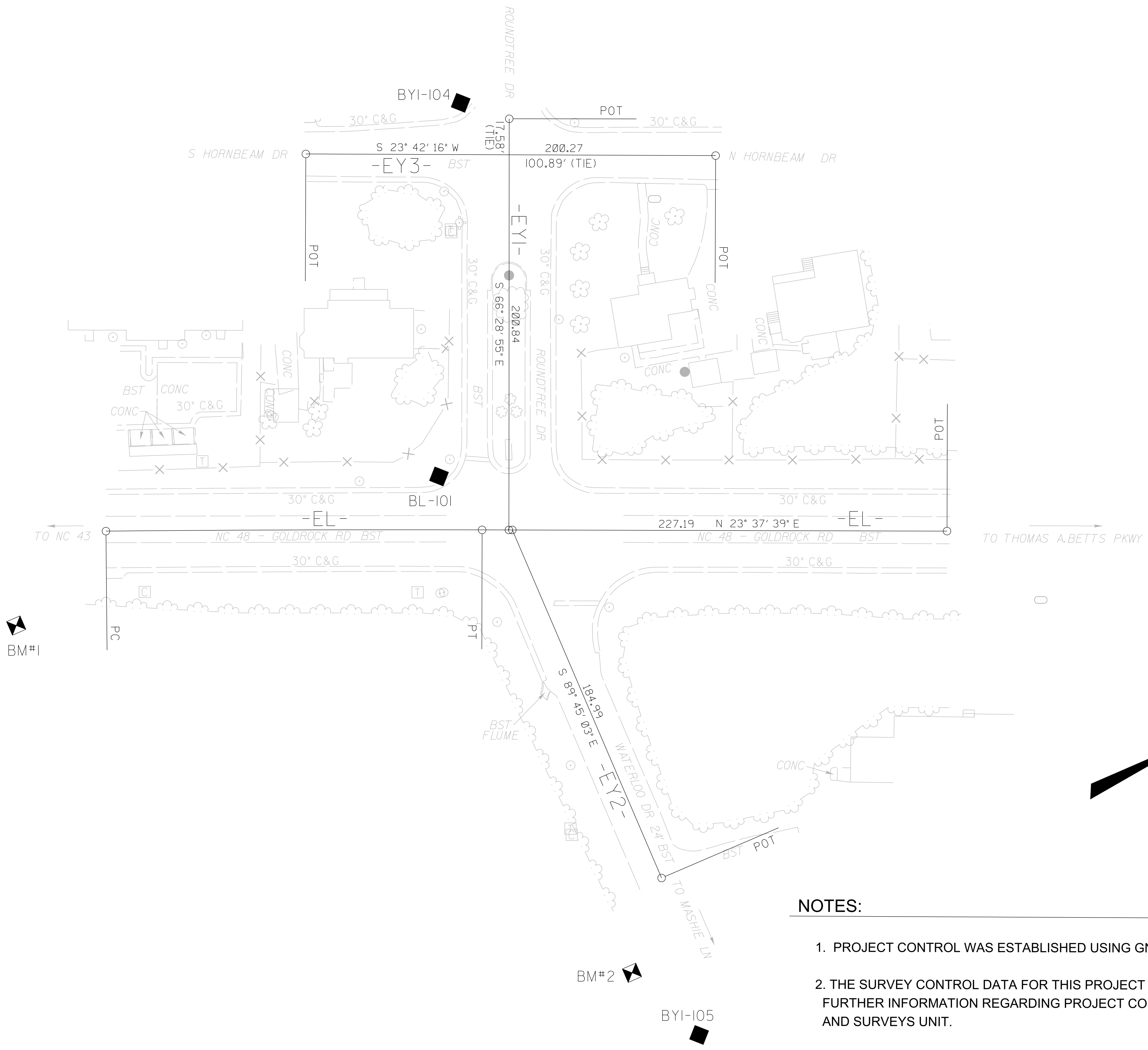
Class of survey: **AA**
 Type of GPS field procedure: RTN
 Dates of survey: 11/22/21 - 12/17/21
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: NA
 Localized around: HS2004M-3
 Northing: 821,160.5918
 Easting: 2,353,109.3621
 Combined grid factor: 0.9999568046 (GROUND TO GRID)
 Geoid model: G18NC
 Units: SURVEY FEED

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 11/22/21 to 12/17/21, 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 4TH day of JANUARY, 2022.

DocuSigned by:

 1/4/2022
 Professional Land Surveyor L-5146



HS2004M-1 & HS2004M-2
 OFFSITE ALONG NC-48

NOTES:

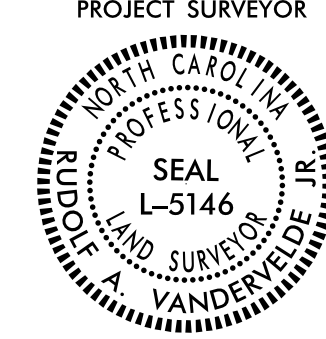
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

04-JAN-2022 13:07
 K:\2020\620\200626\25-HS-2004M Conventional\Geomatics\Drawings\hs2004m_1s-rw02c-1.dgn
 R. Vandervelde AT WRI701

SURVEY CONTROL SHEET

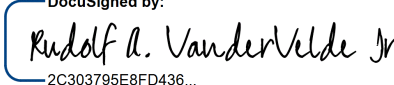
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|----------------------|
| PROJECT REFERENCE NO. 49306.1.14 | SHEET NO. RW02C-2 |
| Location and Surveys | |
| WITHERSRAVENEL INC | |
| PROJECT SURVEYOR  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

I, RUDOLF A. VANDERVELDE JR., 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: 11/22/21 - 12/17/21
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: NA
 Localized around: HS2004M-3
 Northing: 821,160.5918
 Easting: 2,353,109.3621
 Combined grid factor: 0.9999568046 (GROUND TO GRID)
 Geoid model: G18NC
 Units: SURVEY FEED

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 11/22/21 to 12/17/21, 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 4TH day of JANUARY, 2022.
 DocuSigned by:

 1/4/2022
 Professional Land Surveyor L-5146

REVISIONS

BL-103

BM#3

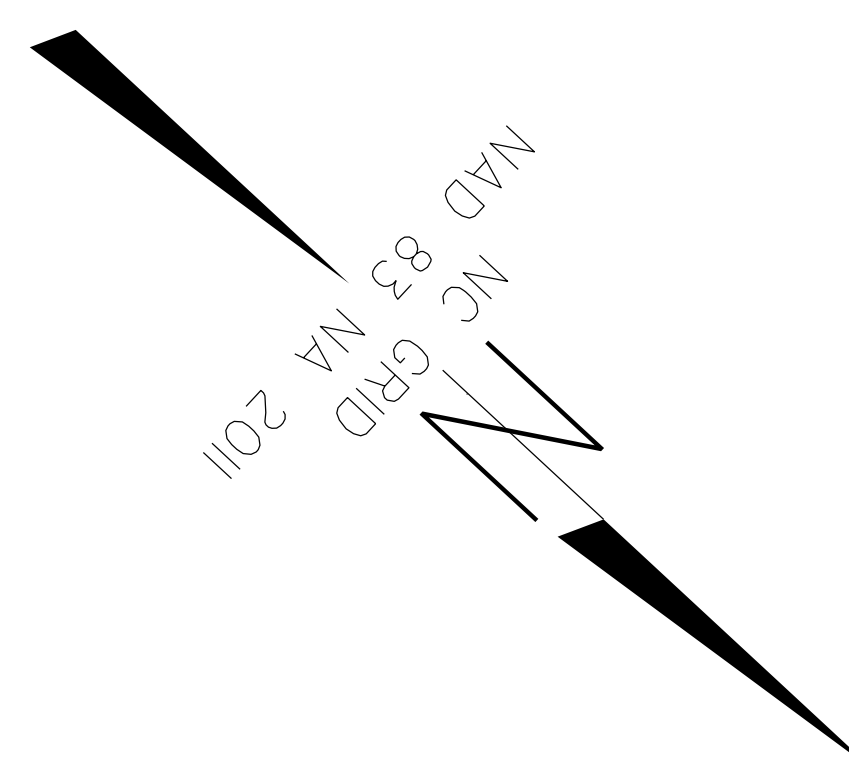
BY2-106

BM#4

HS2004M-3

BY2-107

HS2004M-4 OFFSITE



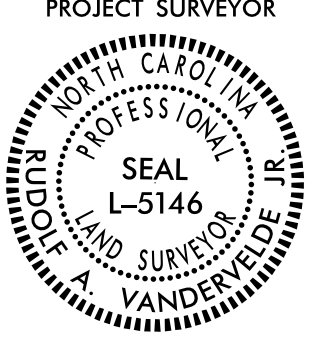
NOTES:

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.

04-JAN-2022 13:07
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 R.vandervelde AT WRI701

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|----------------------|
| PROJECT REFERENCE NO. 49306.1.14 | SHEET NO. RW02C-3 |
| Location and Surveys | |
| WITHERSRAVENEL INC | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| BL | POINT | DESC. | NORTH | EAST | ELEVATION |
|-----|-------|-----------|-------------|--------------|-----------|
| 1 | | HS2004M-1 | 817515.8835 | 2352551.9245 | 100.48 |
| 2 | | HS2004M-2 | 817984.9415 | 2352491.8324 | 100.97 |
| 101 | | BL-101 | 818487.2450 | 2352603.3940 | 110.63 |
| 102 | | BL-102 | 818882.4210 | 2352778.5070 | 119.84 |

| BL 1 | POINT | DESC. | NORTH | EAST | ELEVATION |
|------|-------|-----------|-------------|--------------|-----------|
| 103 | | BL-103 | 820845.3620 | 2353444.8720 | 136.48 |
| 3 | | HS2004M-3 | 821160.5918 | 2353109.3621 | 129.05 |
| 4 | | HS2004M-4 | 821511.9539 | 2352772.4798 | 129.30 |

| BY1 | POINT | DESC. | NORTH | EAST | ELEVATION |
|--------|-------|---------|-------------|--------------|-----------|
| 104 | | BY1-104 | 818569.6480 | 2352440.2270 | 104.75 |
| EQA101 | | BL-101 | 818487.2450 | 2352603.3940 | 110.63 |
| 105 | | BY1-105 | 818495.1630 | 2352904.2770 | 108.95 |

| BY2 | POINT | DESC. | NORTH | EAST | ELEVATION |
|------|-------|-----------|-------------|--------------|-----------|
| 106 | | BY2-106 | 820988.8920 | 2352964.8640 | 133.78 |
| EQA3 | | HS2004M-3 | 821160.5918 | 2353109.3621 | 129.05 |
| 107 | | BY2-107 | 821226.1910 | 2353386.4310 | 128.18 |

 BM1 ELEVATION = 109.27
 N 818269 E 2352588
 BL STATION 12+71.00 32 RIGHT
 RR SPIKE IN BASE OF 12" PINE

 BM2 ELEVATION = 109.38
 N 818477 E 2352863
 BY1 STATION 9+42.00 17 RIGHT
 RR SPIKE IN BASE OF 10" MAPLE

 BM3 ELEVATION = 134.88
 N 820914 E 2353329
 BL1 STATION 6+31.00 29 LEFT
 RR SPIKE IN BASE OF 14" PINE

 BM4 ELEVATION = 134.85
 N 821029 E 2353009
 BY2 STATION 5+59.00 8 RIGHT
 RR SPIKE IN BASE OF 20" PINE

| EL1 | | | | |
|-------|------------|-------------|-----------------|--------|
| POINT | N | E | BEARING | DIST |
| POT | 820978.507 | 2353313.104 | | |
| LINE | | | N 42°50'11.3" W | 400.00 |
| POT | 821271.827 | 2353041.140 | | |

| EY1 | | | | |
|-------|------------|-------------|-----------------|--------|
| POINT | N | E | BEARING | DIST |
| POT | 818588.318 | 2352456.853 | | |
| LINE | | | S 66°28'55.2" E | 200.84 |
| POT | 818508.173 | 2352641.014 | | |

| EY2 | | | | |
|-------|------------|-------------|-----------------|--------|
| POINT | N | E | BEARING | DIST |
| POT | 818509.711 | 2352641.686 | | |
| LINE | | | S 89°45'03.3" E | 184.99 |
| POT | 818508.907 | 2352826.670 | | |

| EY3 | | | | |
|-------|------------|-------------|-----------------|--------|
| POINT | N | E | BEARING | DIST |
| POT | 818673.679 | 2352513.532 | | |
| LINE | | | S 23°42'16.1" W | 200.27 |
| POT | 818490.303 | 2352433.019 | | |

| EY4 | | | | |
|-------|------------|-------------|-----------------|--------|
| POINT | N | E | BEARING | DIST |
| POT | 821005.221 | 2353014.627 | | |
| LINE | | | N 47°09'45.7" E | 200.71 |
| POT | 821141.686 | 2353161.805 | | |

| EY5 | | | | |
|-------|------------|-------------|-----------------|--------|
| POINT | N | E | BEARING | DIST |
| POT | 821152.800 | 2353151.500 | | |
| LINE | | | N 69°32'24.5" E | 223.49 |
| POT | 821230.922 | 2353360.896 | | |

| EL | | | | | | | | | |
|-------|------------|-------------|-----------------|--------|-----------------|-------------|--------|-------|----------|
| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
| PC | 818327.316 | 2352563.101 | | | | | | | |
| CURVE | | | N 23°17'00.3" E | 183.84 | 00°41'16.8"(RT) | 00°22'27.2" | 183.84 | 91.92 | 15310.14 |
| PT | 818496.184 | 2352635.769 | | | | | | | |
| LINE | | | N 23°37'38.6" E | 227.19 | | | | | |
| POT | 818704.333 | 2352726.825 | | | | | | | |

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.

I, RUDOLF A. VANDERVELDE JR., 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: 11/22/21 - 12/17/21
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: NA
 Localized around: HS2004M-3
 Northing: 821,160.5918
 Easting: 2,353,109.3621
 Combined grid factor: 0.9999568046 (GROUND TO GRID)
 Geoid model: G18NC
 Units: SURVEY FEED

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 11/22/21 to 12/17/21, 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.

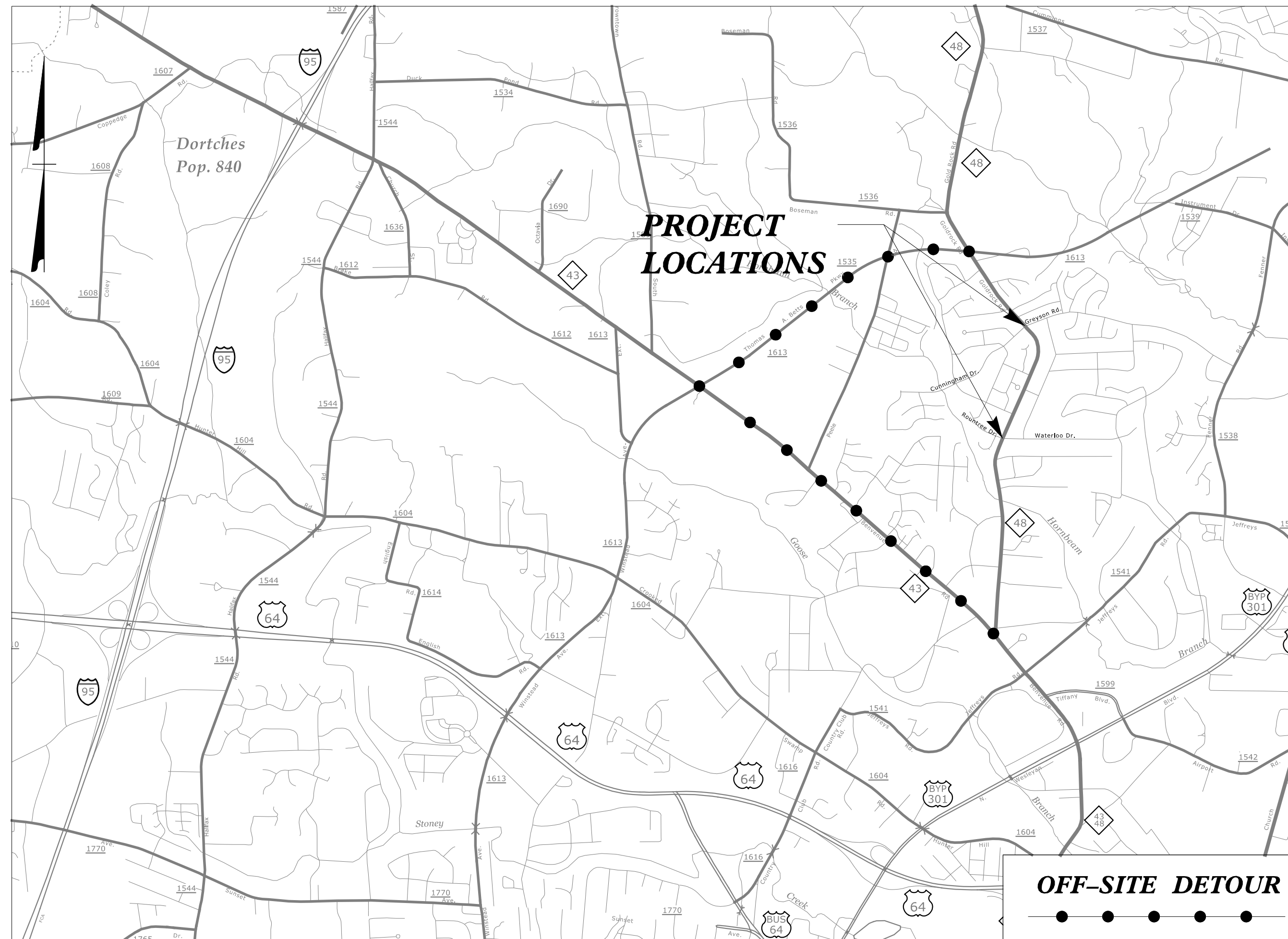
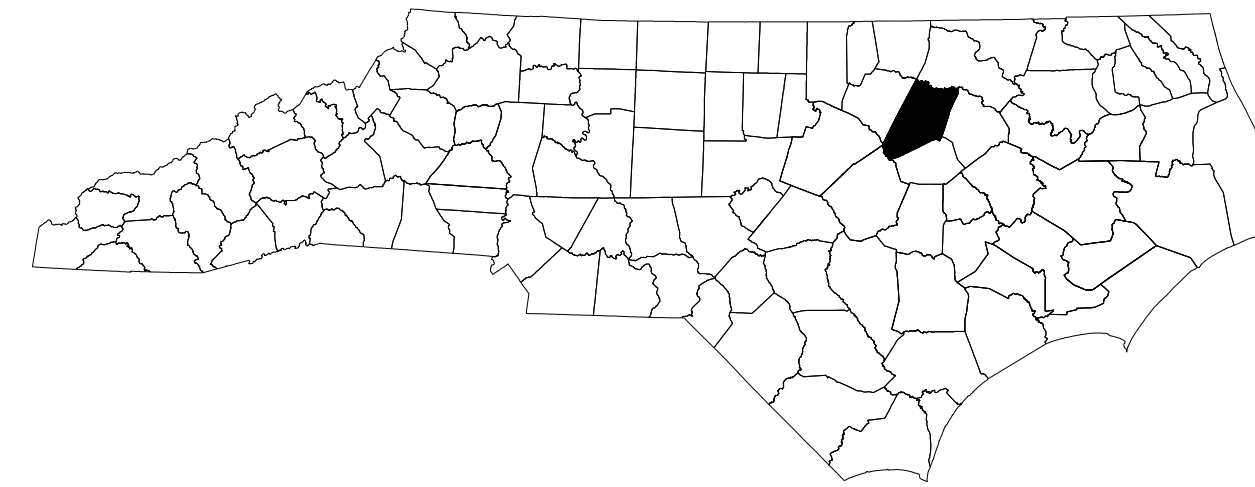
This 4TH day of JANUARY, 2022.

Professional Land Surveyor L-5146

REVISIONS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
NASH COUNTY



VICINITY MAP

INDEX OF SHEETS

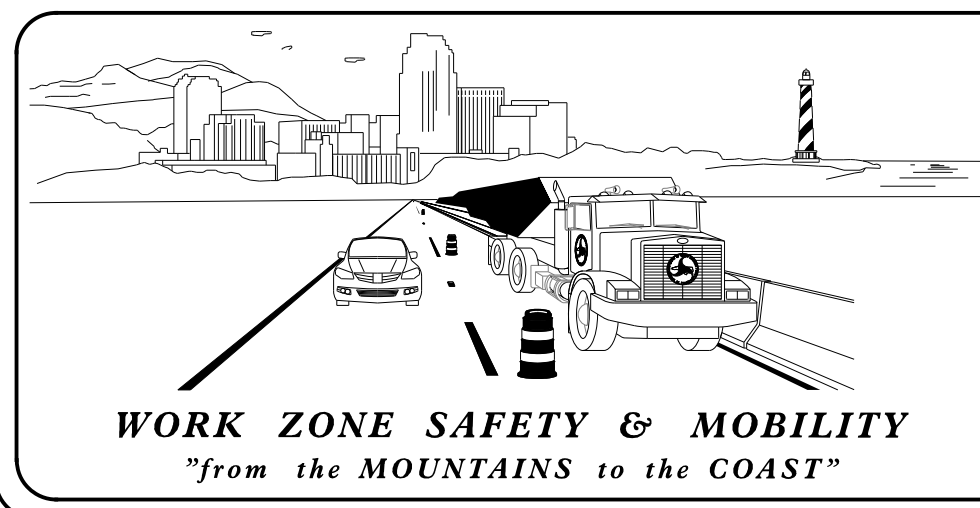
| SHEET NO. | TITLE |
|-------------------------|--|
| TMP-1 | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS |
| TMP-1A | ROADWAY STANDARD DRAWINGS & LEGEND |
| TMP-1B | TRANSPORTATION OPERATIONS PLAN: TRANSPORTATION MANAGEMENT STRATEGIES, GENERAL NOTES, LOCAL NOTES AND PHASING |
| TMP-2 THRU TMP-2C | DETOUR PLANS |

SHEET NO.
TMP-1

HS-2004M

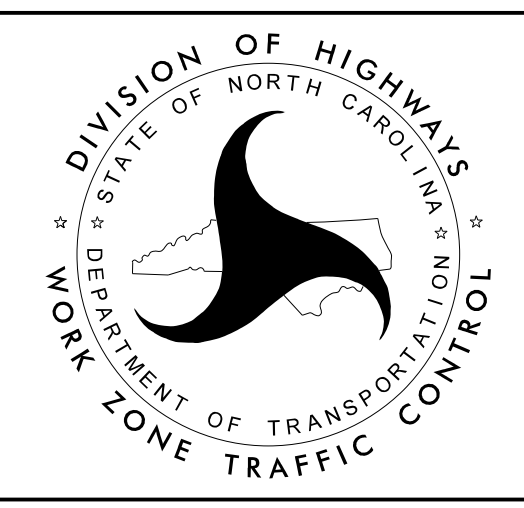
TIP PROJECT:

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



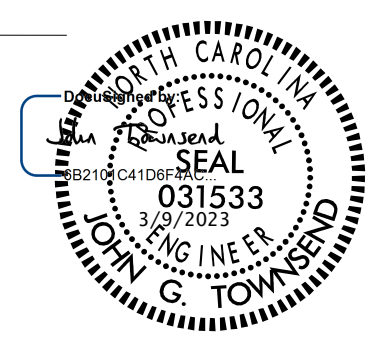
PLANS PREPARED BY:
J. TOWNSEND, PE (VHB)

NC DOT CONTACTS:
KEITH EASON, PE
PROJECT ENGINEER
COREY McLAMB, PE
DIVISION CONSTRUCTION ENGINEER



940 Main Campus Drive, Suite 500 Raleigh, NC 27606
NC License No. C-3705

APPROVED: _____
DATE: _____



3/1/2023
R:\AT\TrafficControl\TCP\HS2004M_tmp-TMP-01.dgn
User: J.Townsend

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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 |
|----------|---|
| 1101.03 | TEMPORARY ROAD CLOSURES |
| 1101.11 | TRAFFIC CONTROL DESIGN TABLES |
| 1110.01 | STATIONARY WORK ZONE SIGNS |
| 1110.02 | PORTABLE WORK ZONE SIGNS |
| 1130.01 | DRUMS |
| 1145.01 | BARRICADES |
| 1205.01 | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS |
| 1205.02 | PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS |
| 1205.08 | PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES |
| 1205.09 | PAVEMENT MARKINGS - PAINTED ISLANDS |
| 1205.14 | PAVEMENT MARKINGS - ROUNDABOUTS |

LEGEND

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| HS-2004M | TMP-1A |

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)



SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

3/1/2023 R:\Tgff\TrafficControl\TCP\HS2004M_tmp TMP-01A.dgn User:jtowmsend

| | | | |
|--|--|--|---|
| APPROVED: _____ DATE: _____ | | | ROADWAY STANDARD DRAWINGS & LEGEND |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |

TRANSPORTATION MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- FULL ROADWAY CLOSURES
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES

CONTRACTING & INNOVATIVE CONSTRUCTION STRATEGIES:

- INTERMEDIATE CONTRACT TIMES / LIQUIDATED DAMAGES

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE 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 BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TRAFFIC PATTERN ALTERATIONS

- A) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- B) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

- C) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

- D) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

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

LOCAL NOTES

NOTIFY NASH COUNTY EMERGENCY SERVICES AND PUBLIC SCHOOLS AT LEAST THIRTY (30) DAYS PRIOR TO ROAD CLOSURE.

PHASING

NOTES:

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

THE TERM RSD REFERS TO ROADWAY STANDARD DRAWINGS.

PHASE I

STEP 1: INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2.

COMPLETE THE REQUIREMENTS OF PHASE I, STEPS 2 THRU 4 IN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 2: USING RSD 1101.03, SHEET 1 OF 9 AND TMP-2, UNCOVER DETOUR SIGNS (PLACED IN STEP 1) AND CLOSE -L1- GOLDROCK ROAD (NC 48) AND DETOUR TRAFFIC OFF-SITE AS SHOWN ON TMP-2.

STEP 3: WITH -L1- GOLDROCK ROAD (NC 48) CLOSED TO TRAFFIC, PERFORM THE FOLLOWING:

- CONSTRUCT PROPOSED ROADWAY THROUGH THE FINAL SURFACE COURSE
- PLACE FINAL PAVEMENT MARKINGS AND TIE TO EXISTING MARKINGS.

STEP 4: REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN -L1- GOLDROCK ROAD (NC 48) TO TRAFFIC.

PHASE II

STEP 1: INSTALL AND COVER DETOUR SIGNS AS SHOWN ON SHEET TMP-2B.

COMPLETE THE REQUIREMENTS OF PHASE II, STEPS 2 THRU 4 IN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

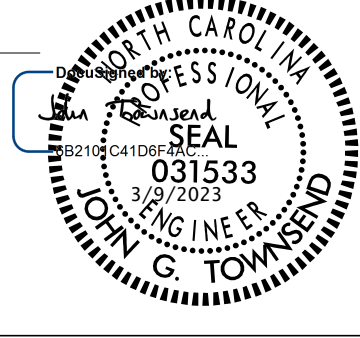

STEP 2: USING RSD 1101.03, SHEET 1 OF 9 AND TMP-2B, UNCOVER DETOUR SIGNS (PLACED IN STEP 1) AND CLOSE -L2- GOLDROCK ROAD (NC 48) AND DETOUR TRAFFIC OFF-SITE AS SHOWN ON TMP-2B.

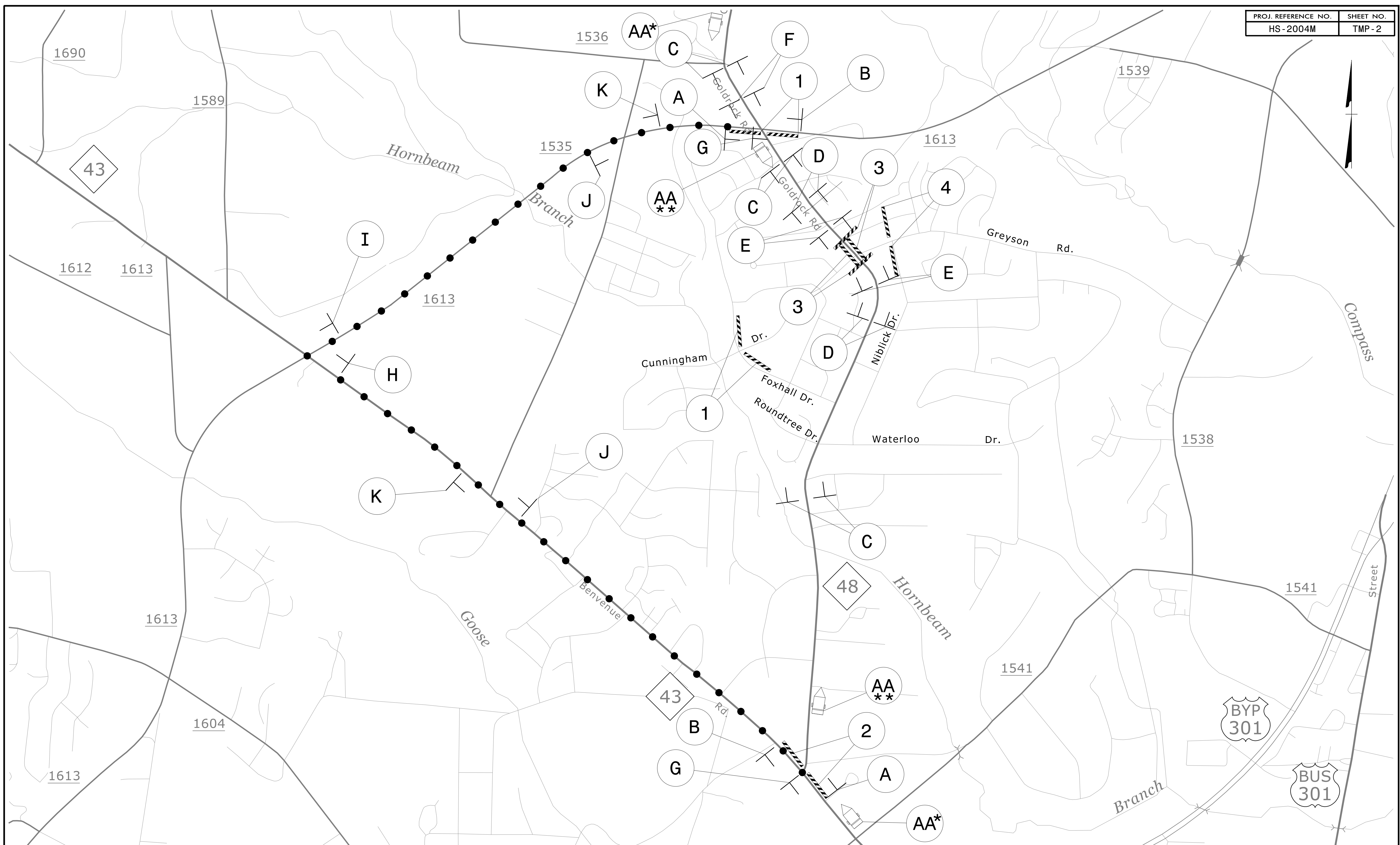
STEP 3: WITH -L2- GOLDROCK ROAD (NC 48) CLOSED TO TRAFFIC, PERFORM THE FOLLOWING:

- CONSTRUCT PROPOSED ROADWAY THROUGH THE FINAL SURFACE COURSE
- PLACE FINAL PAVEMENT MARKINGS AND TIE TO EXISTING MARKINGS.

STEP 4: REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN -L2- GOLDROCK ROAD (NC 48) TO TRAFFIC.

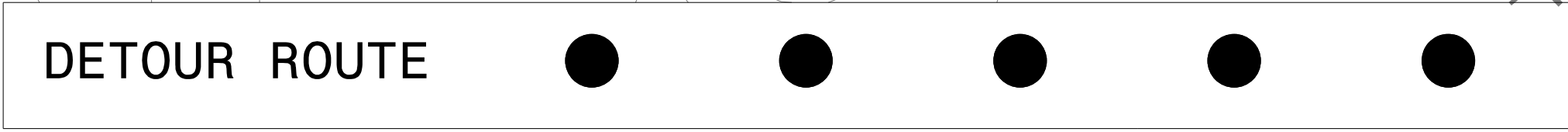
3/1/2023
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User: jtownsend

| | | | |
|--|---|---|---|
| APPROVED: _____ DATE: _____ |  |  | TRANSPORTATION OPERATIONS PLAN: TRANSPORTATION MANAGEMENT STRATEGIES, GENERAL NOTES, LOCAL NOTES AND PHASING |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |



INSTALL "NEW TRAFFIC PATTERN AHEAD" SIGNS UPON COMPLETION OF THE ROUNDABOUT ON EACH APPROACH AND LOCATED APPROXIMATELY 200' IN ADVANCE OF THE CIRCULATING ROADWAY. REMOVE THESE SIGNS AFTER 6 MONTHS.

W23-2
36" x 36"

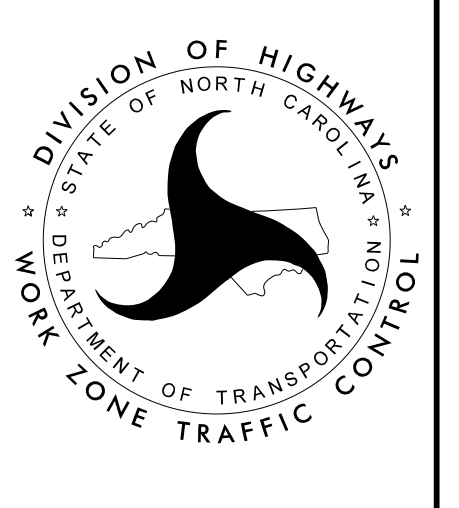


DETOUR ROUTE

SEE SHEET TMP-2A FOR
DETOUR SIGNS

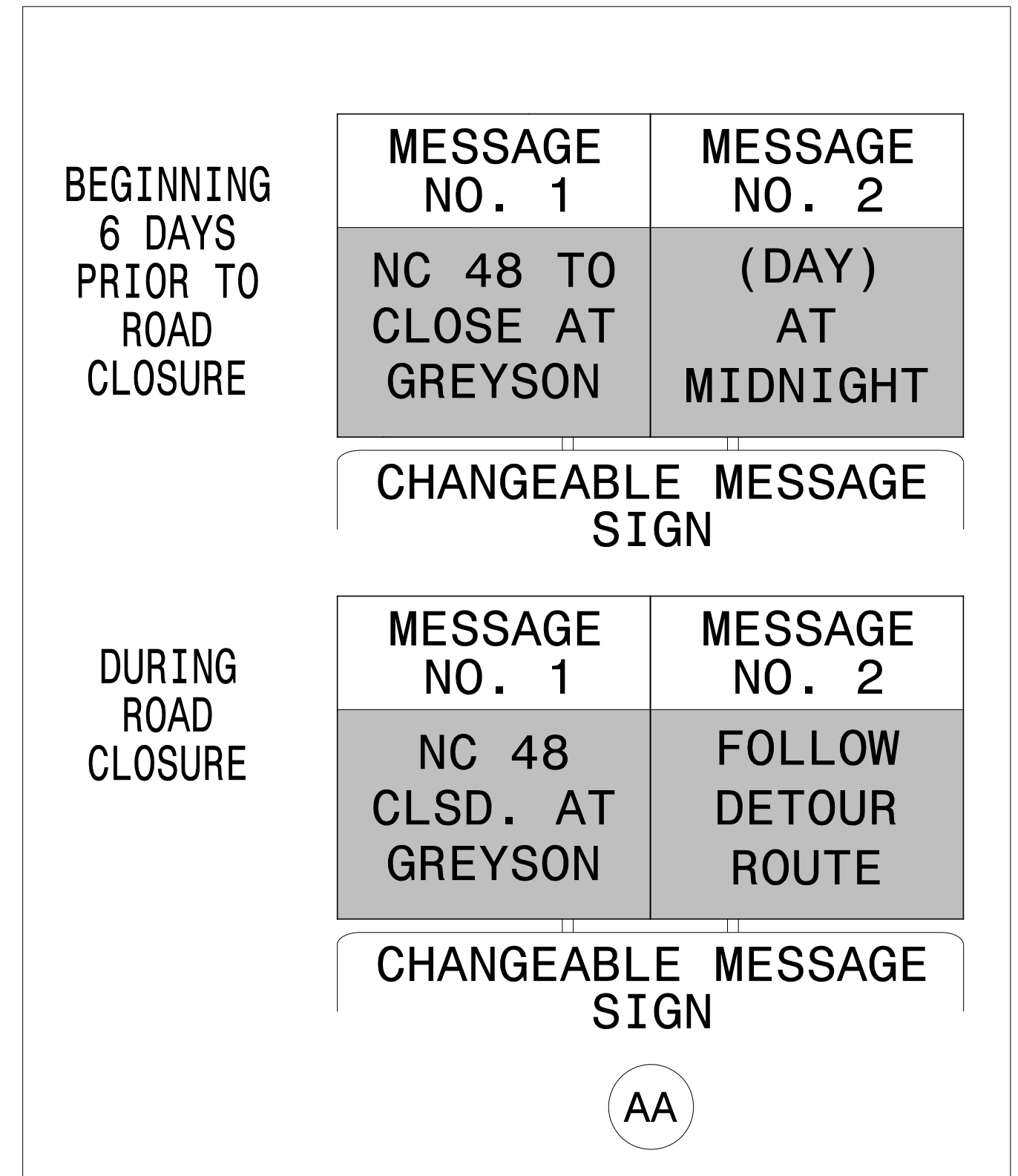
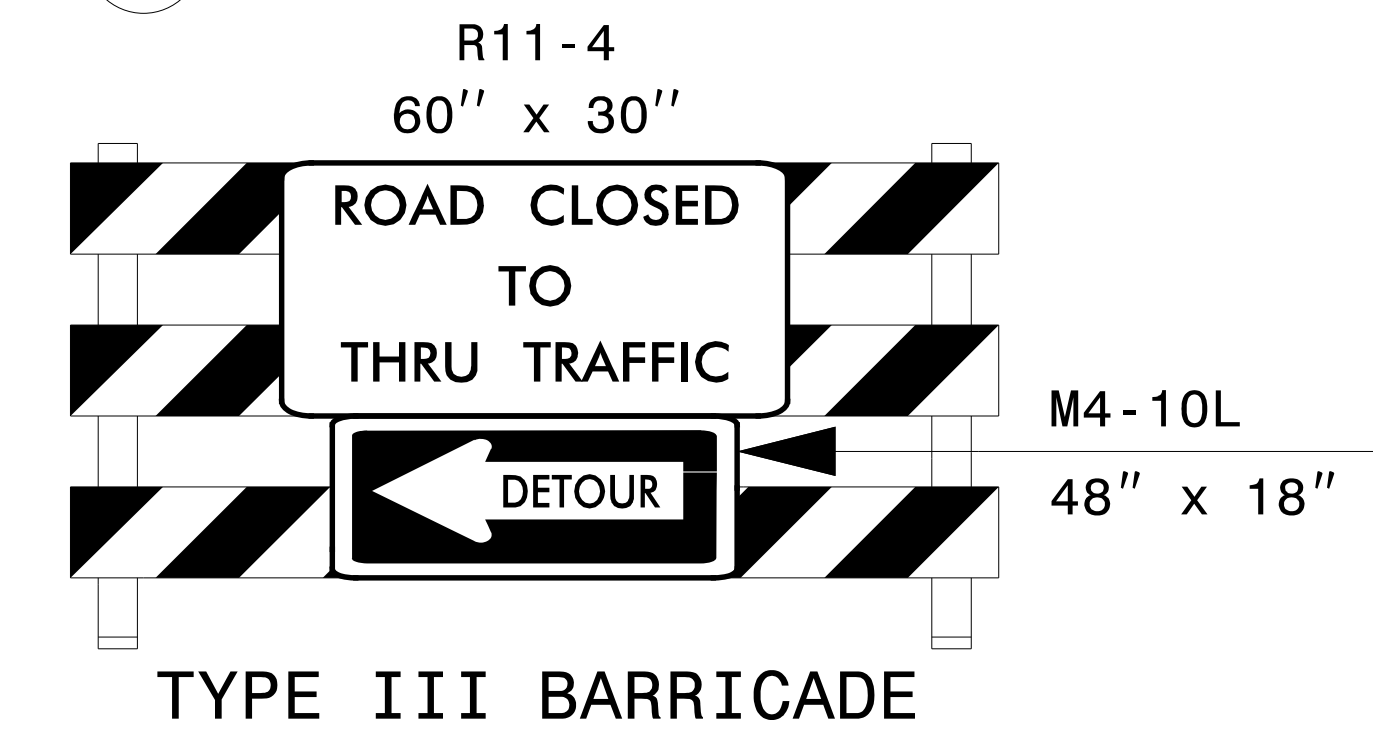
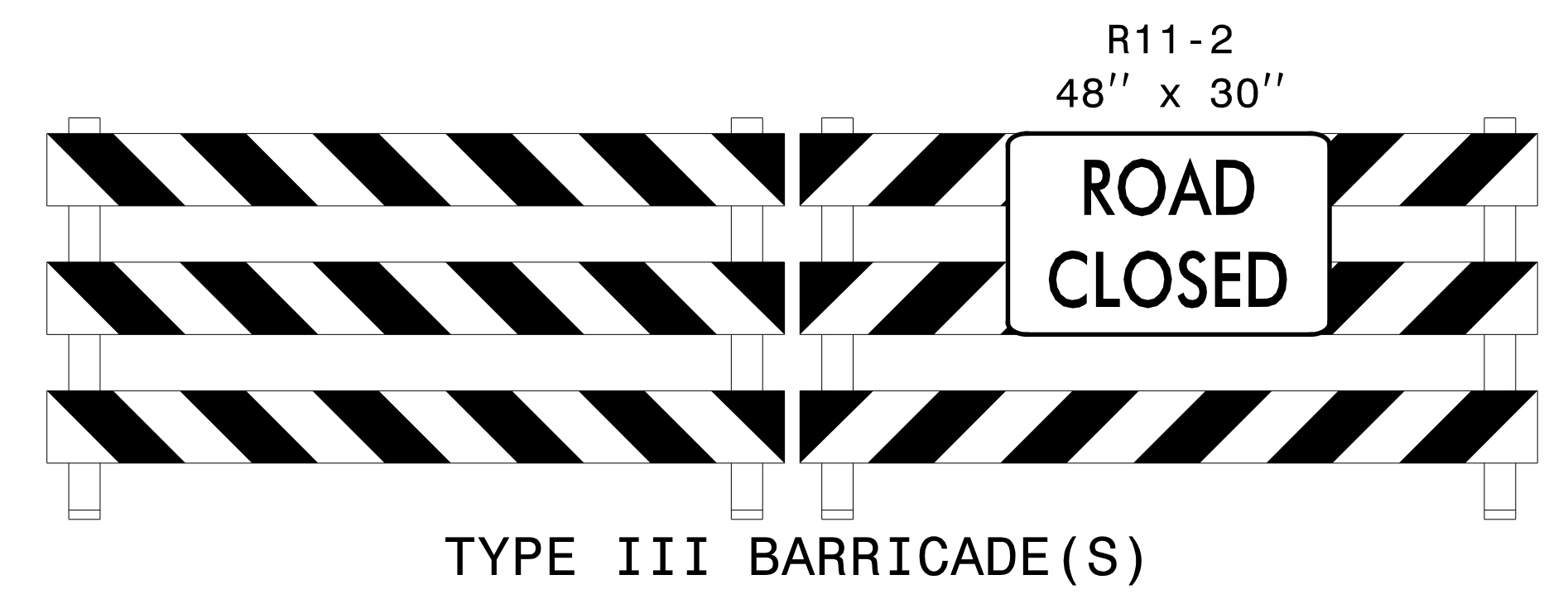
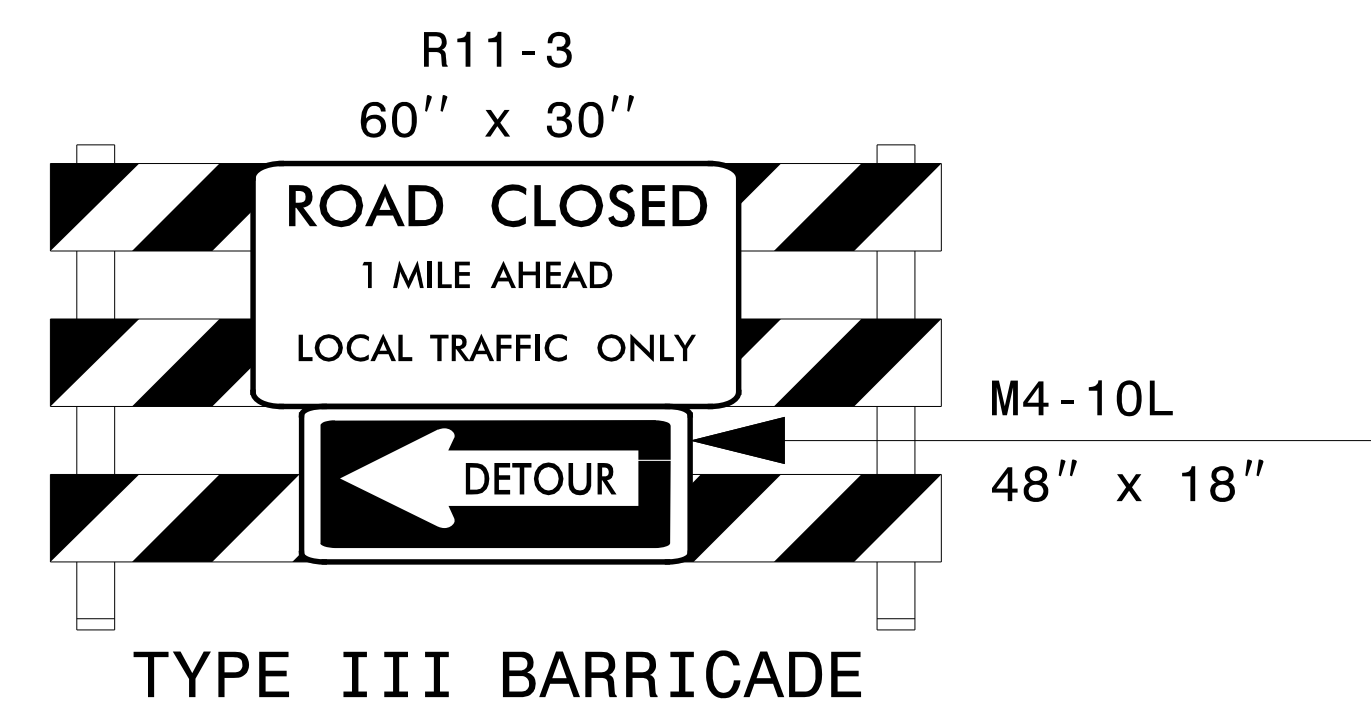
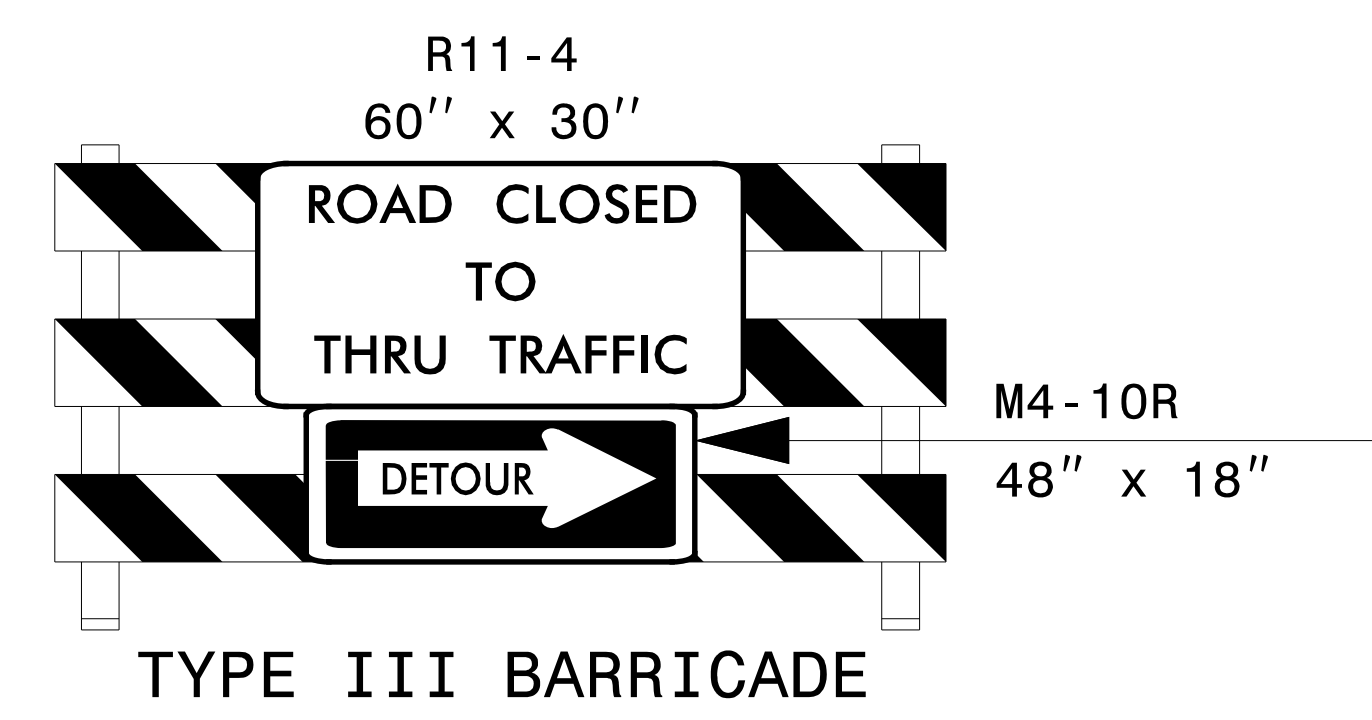
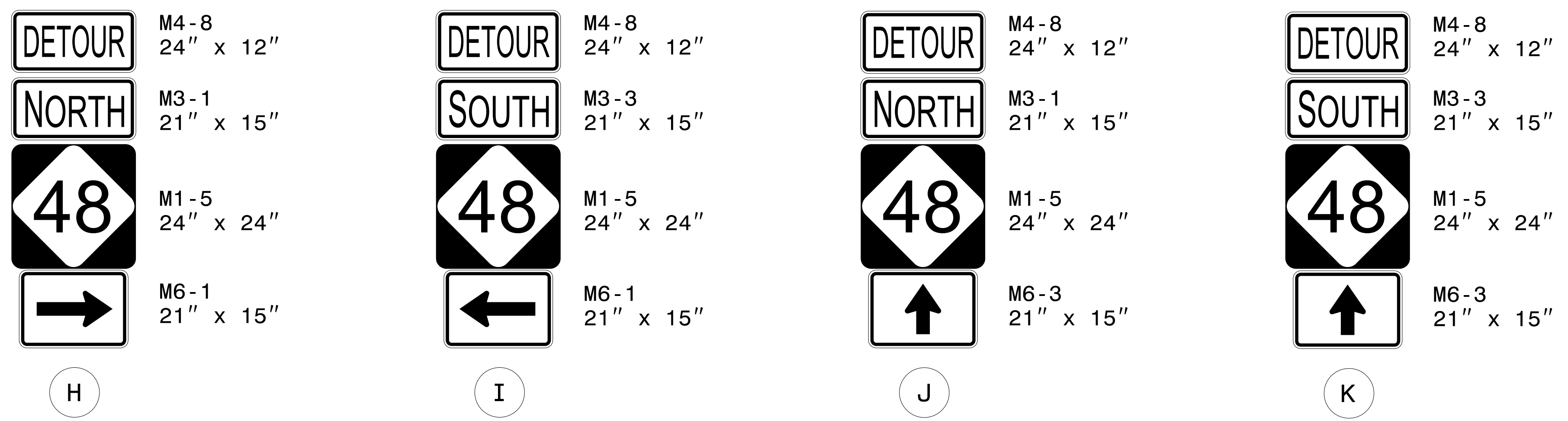
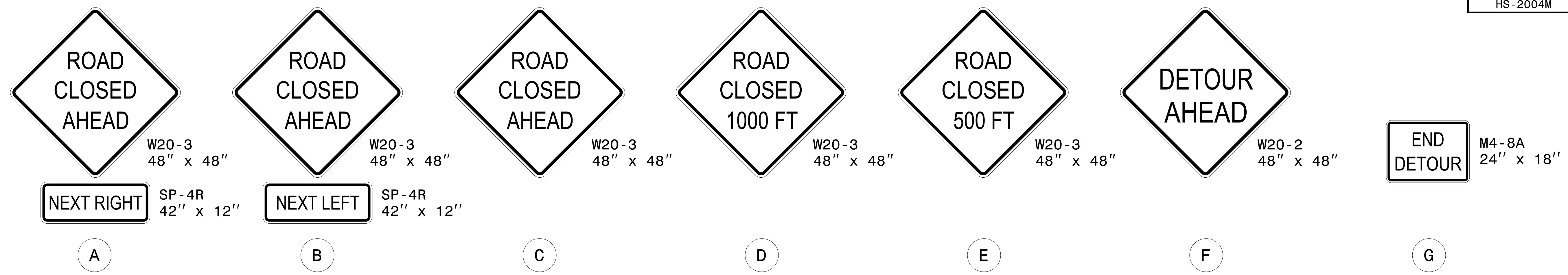
APPROVED: _____
DATE: _____

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



DETOUR ROUTE
NC 48 (GOLDROCK ROAD)
AT GREYSON RD/
CUNNINGHAM DR

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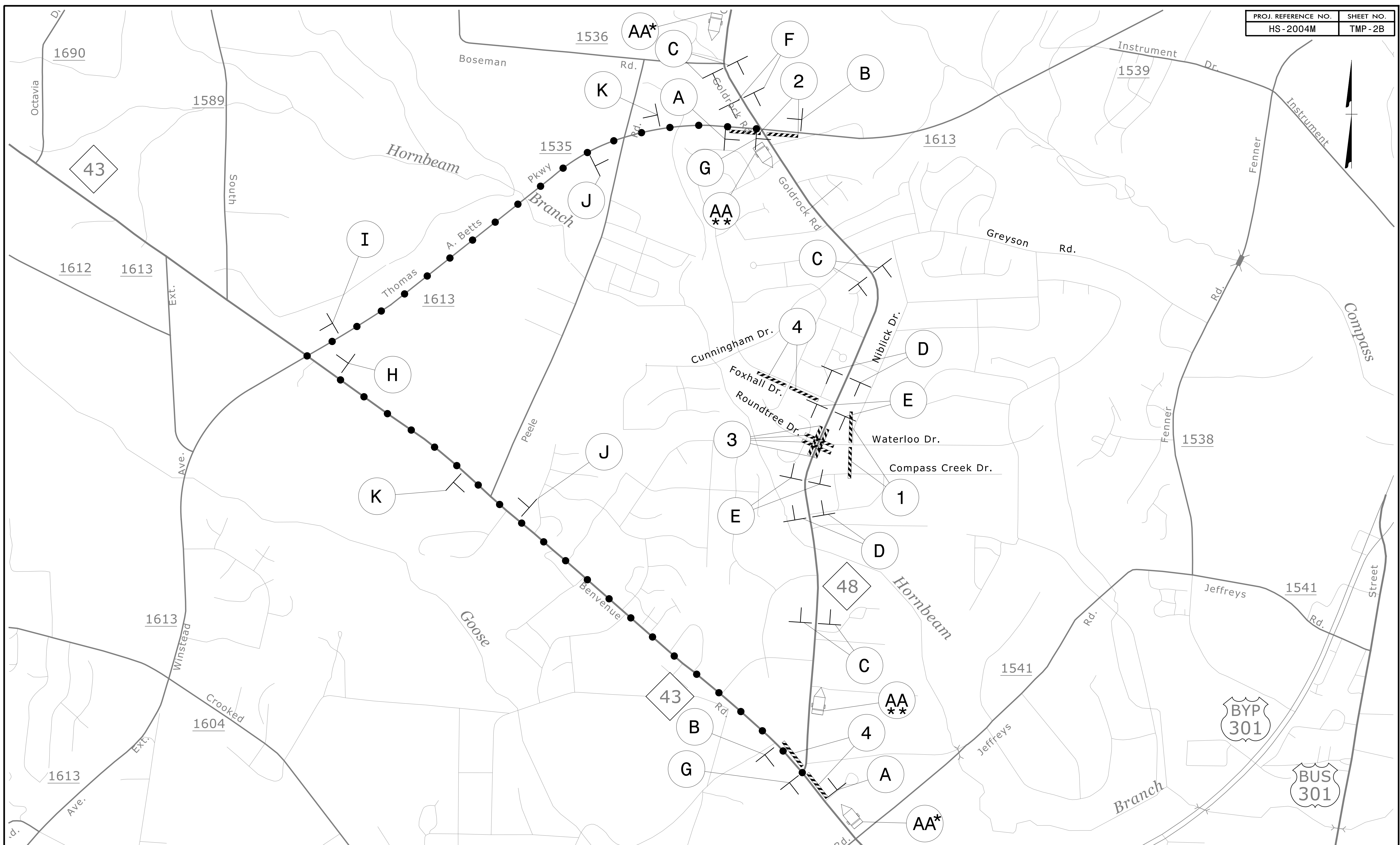


* PLACE CMS A MINIMUM OF ONE MILE IN ADVANCE OF SOFT CLOSURE POINT

** CMS TO REMAIN IN PLACE FOR 2 MONTHS AFTER COMPLETION OF CONSTRUCTION AND DISPLAY "NEW TRAFFIC PATTERN"

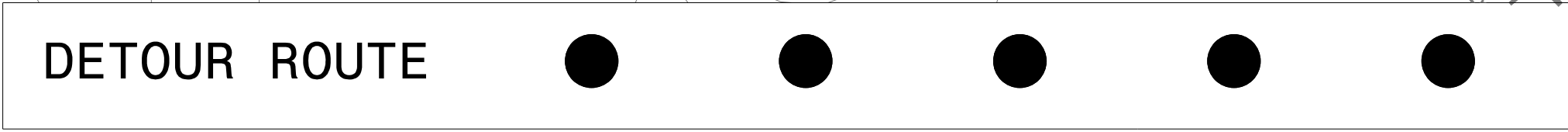
SEE SHEET TMP-2 FOR DETOUR

| | | | |
|---|--|--|--|
| APPROVED: _____ DATE: _____ | | | <p>DETOUR ROUTE NC 48 (GOLDROCK ROAD) AT GREYSON RD/ CUNNINGHAM DR</p> |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |



INSTALL "NEW TRAFFIC PATTERN AHEAD" SIGNS UPON COMPLETION OF THE ROUNDABOUT ON EACH APPROACH AND LOCATED APPROXIMATELY 200' IN ADVANCE OF THE CIRCULATING ROADWAY. REMOVE THESE SIGNS AFTER 6 MONTHS.

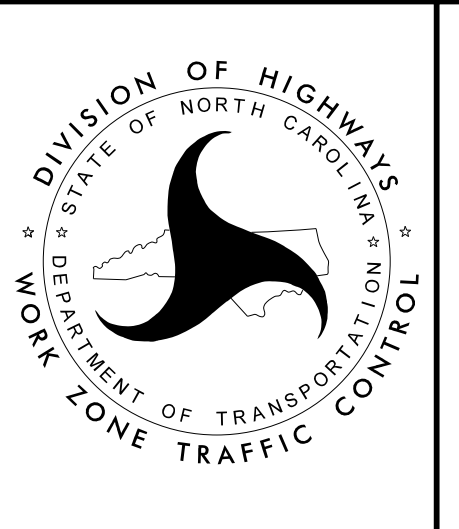
W23-2
36" x 36"



SEE SHEET TMP-2C FOR
DETOUR SIGNS

APPROVED: _____
DATE: _____

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



DETOUR ROUTE
NC 48 (GOLDROCK ROAD)
AT WATERLOO DR /
ROUNDTREE DR

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W20-3
48" x 48"



SP-4R
42" x 12"

(A)



W20-3
48" x 48"



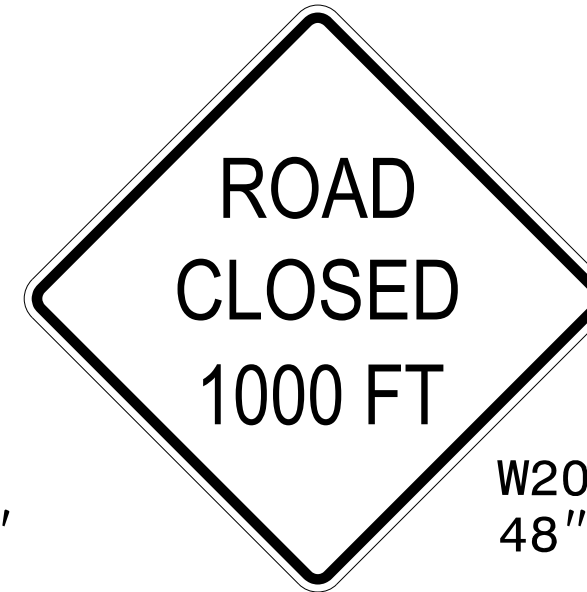
SP-4R
42" x 12"

(B)



W20-3
48" x 48"

(C)



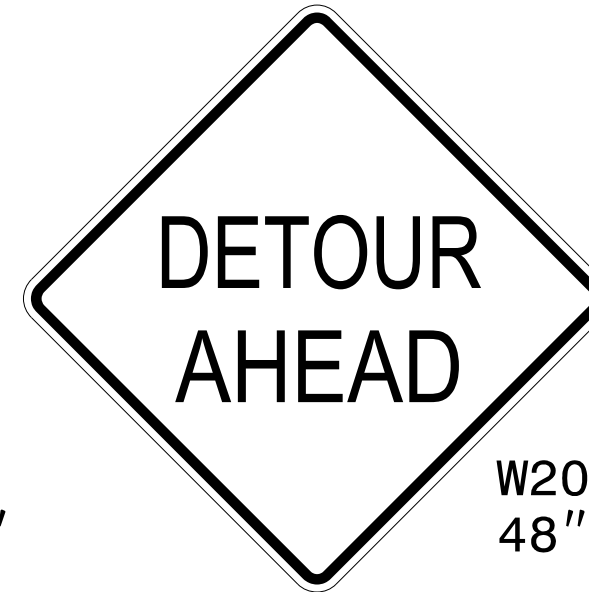
W20-3
48" x 48"

(D)



W20-3
48" x 48"

(E)



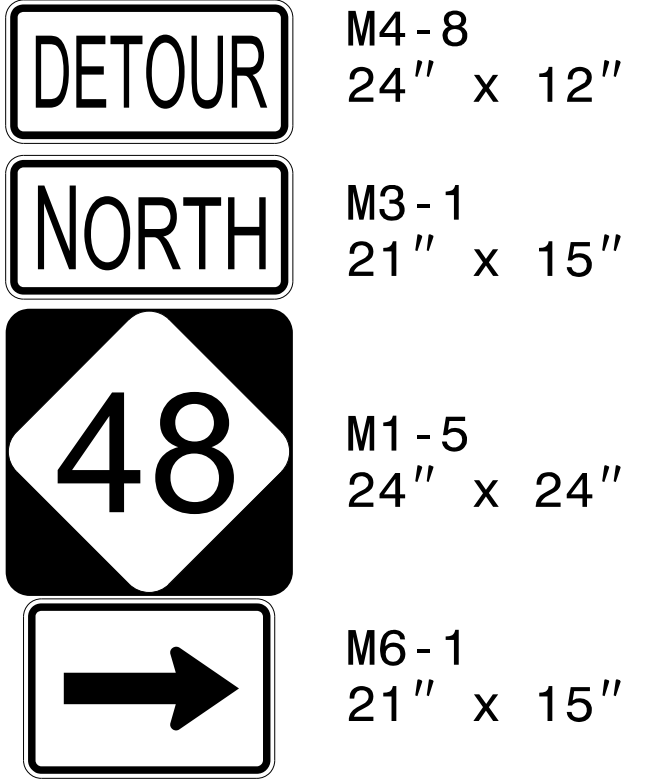
W20-2
48" x 48"

(F)



M4-8A
24" x 18"

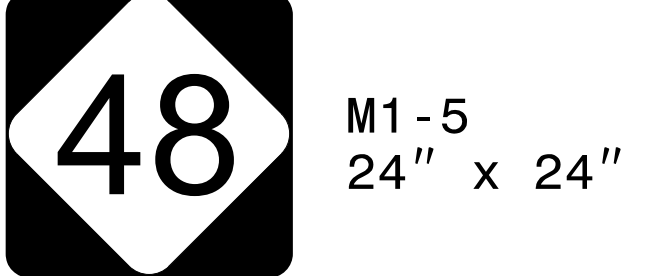
(G)



M4-8
24" x 12"



M3-1
21" x 15"

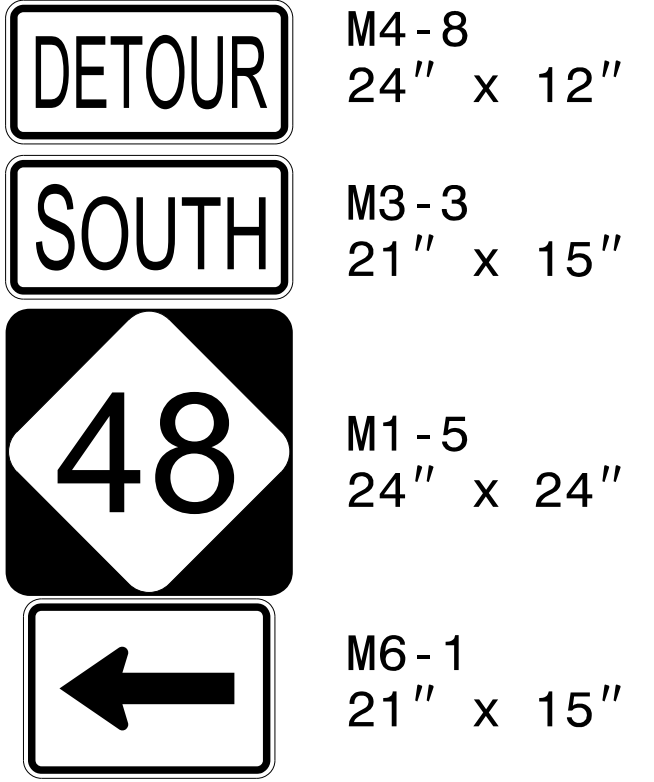


M1-5
24" x 24"



M6-1
21" x 15"

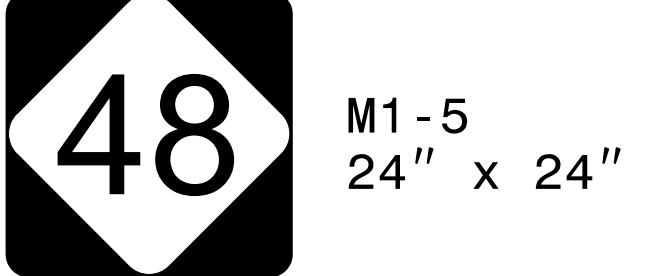
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M4-8
24" x 12"



M3-3
21" x 15"

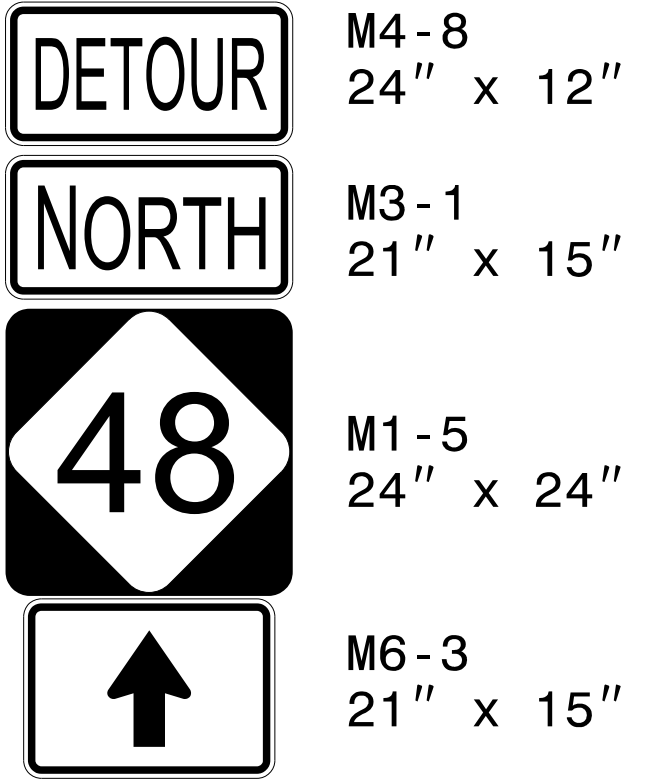


M1-5
24" x 24"



M6-1
21" x 15"

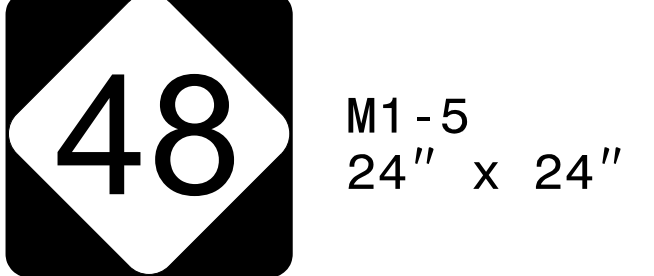
(I)



M4-8
24" x 12"



M3-1
21" x 15"

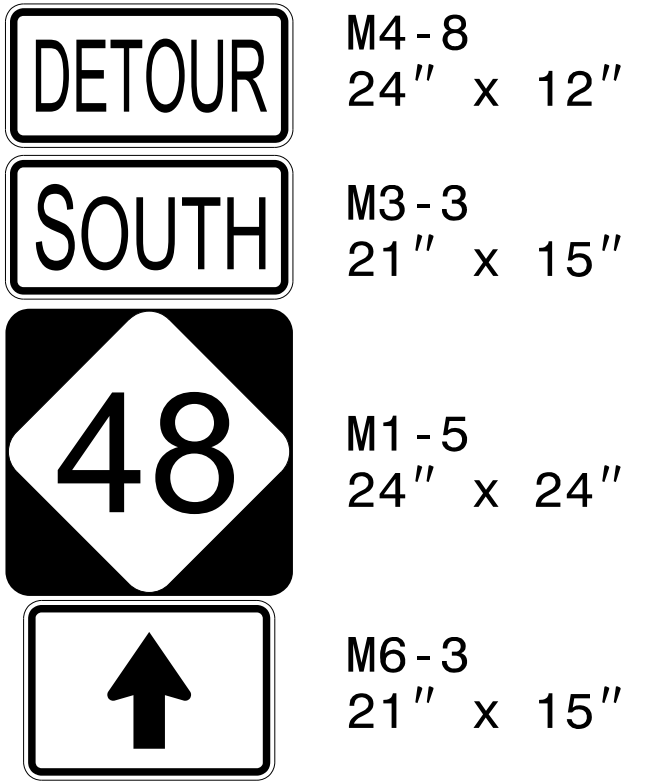


M1-5
24" x 24"



M6-3
21" x 15"

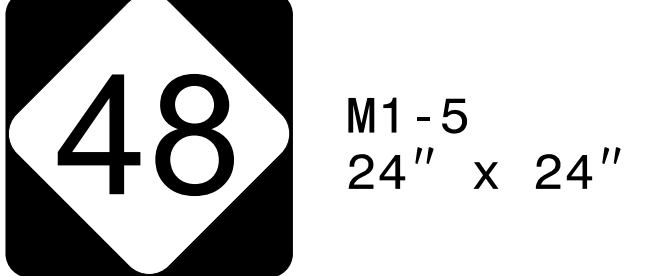
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M4-8
24" x 12"



M3-3
21" x 15"

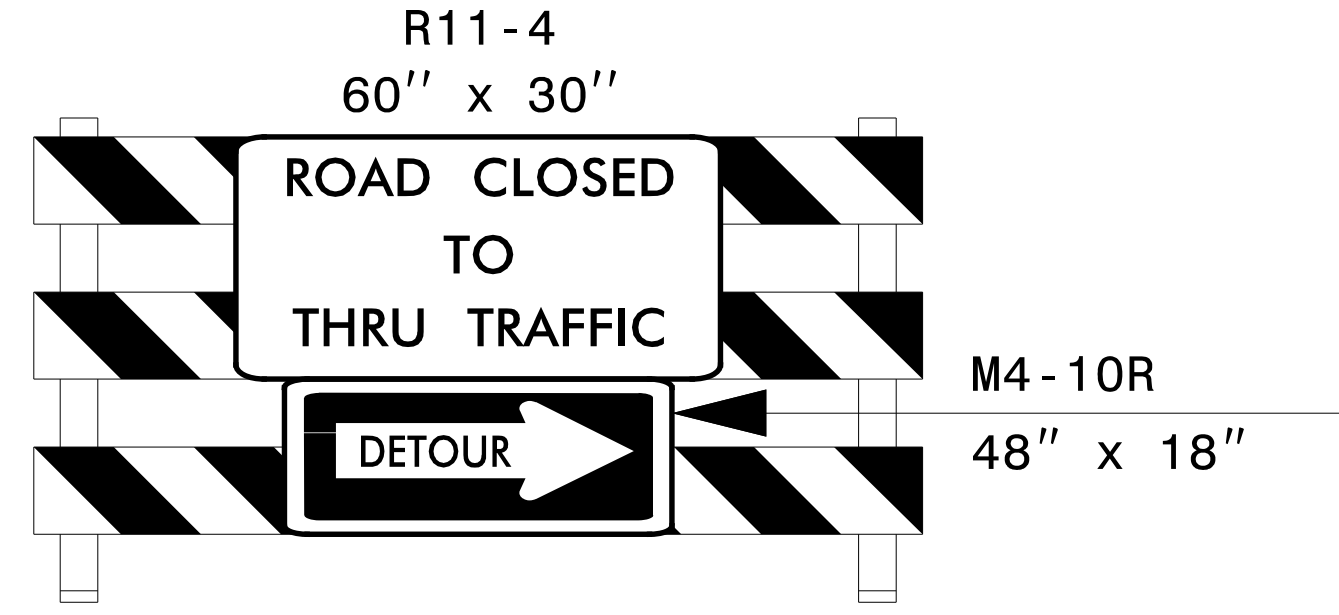


M1-5
24" x 24"



M6-3
21" x 15"

(K)

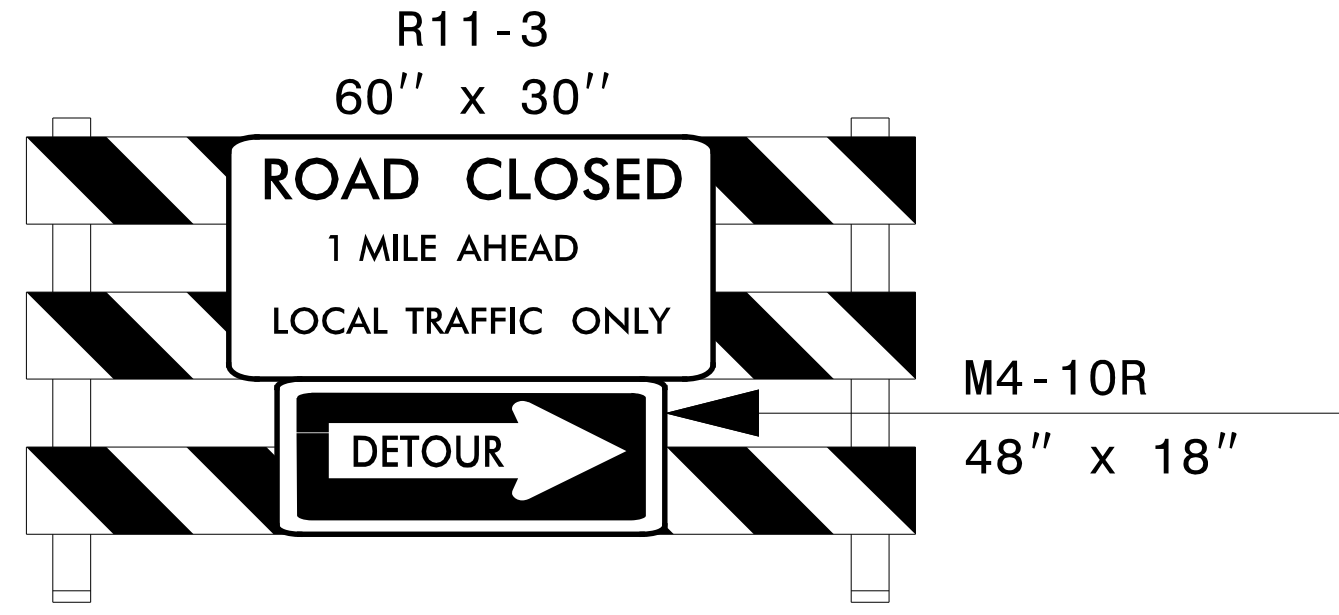


R11-4
60" x 30"

M4-10R
48" x 18"

TYPE III BARRICADE

1

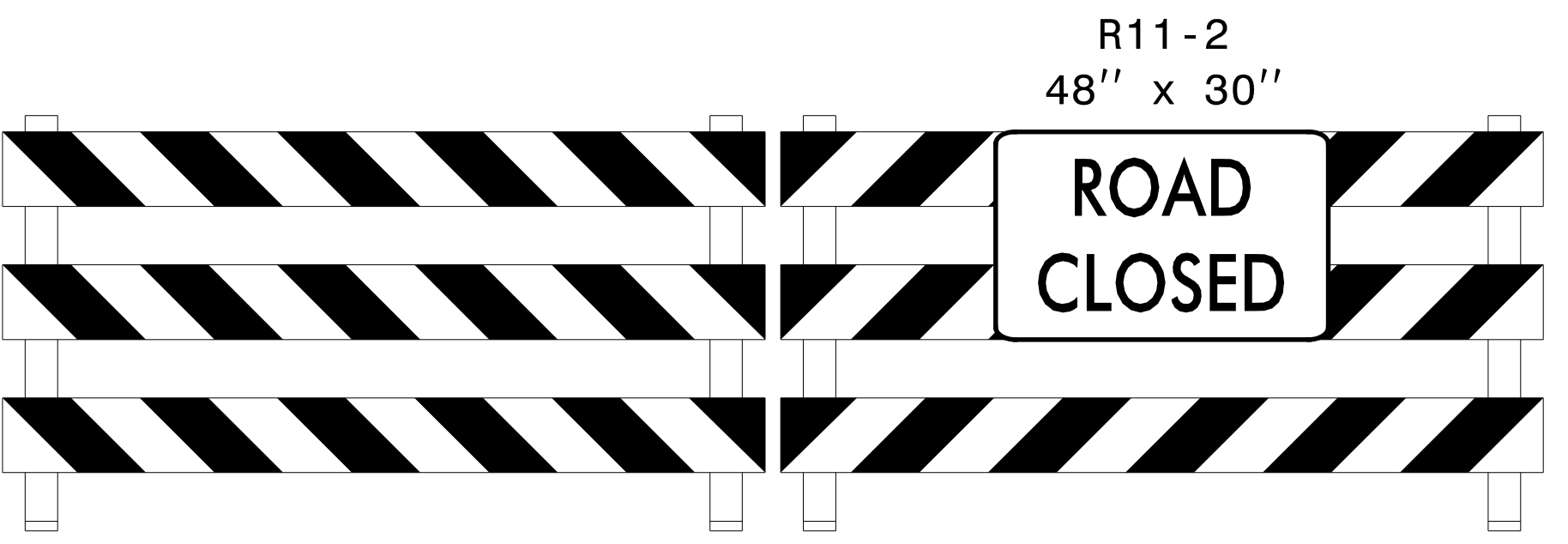


R11-3
60" x 30"

M4-10R
48" x 18"

TYPE III BARRICADE

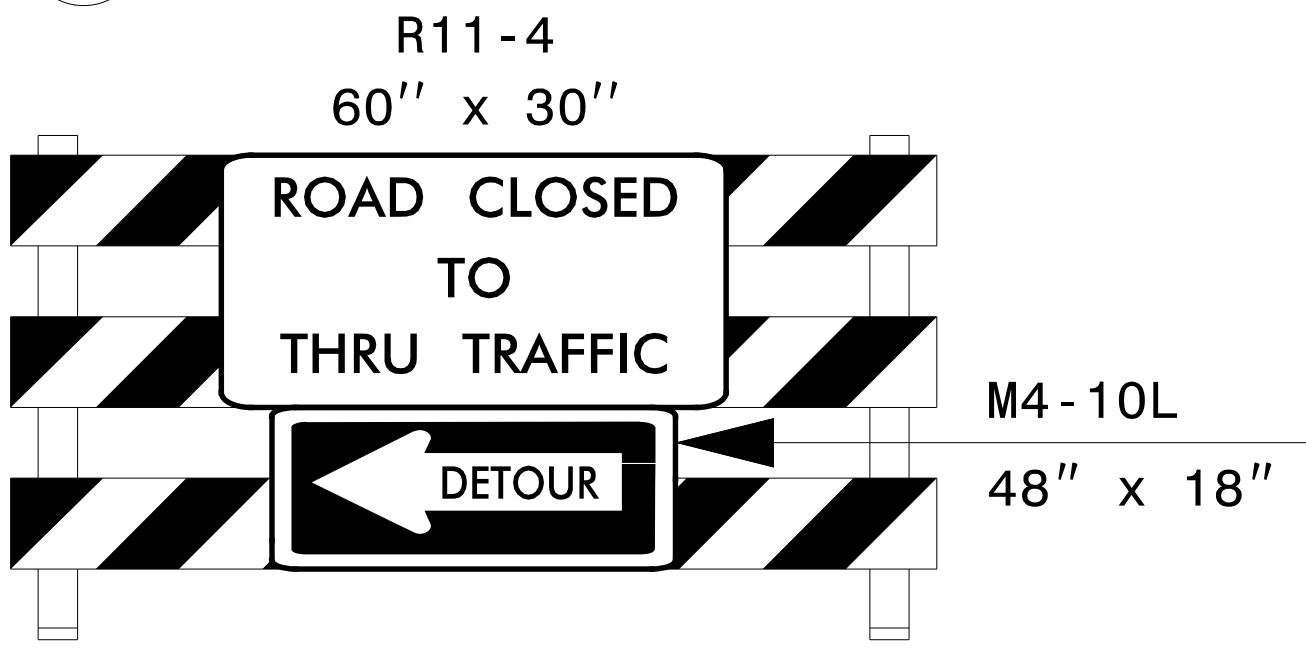
2



R11-2
48" x 30"

TYPE III BARRICADE(S)

3



R11-4
60" x 30"

M4-10L
48" x 18"

TYPE III BARRICADE

4

| | | |
|--|----------------------------------|---------------------------|
| BEGINNING 6 DAYS PRIOR TO ROAD CLOSURE | MESSAGE NO. 1 | MESSAGE NO. 2 |
| | NC 48 TO CLOSE AT WATERLOO | (DAY) AT MIDNIGHT |
| CHANGEABLE MESSAGE SIGN | | |
| DURING ROAD CLOSURE | MESSAGE NO. 1 | MESSAGE NO. 2 |
| | NC 48 CLSD. AT WATERLOO | FOLLOW DETOUR ROUTE |
| CHANGEABLE MESSAGE SIGN | | |
| (AA) | | |

* PLACE CMS A MINIMUM OF ONE MILE IN ADVANCE OF SOFT CLOSURE POINT

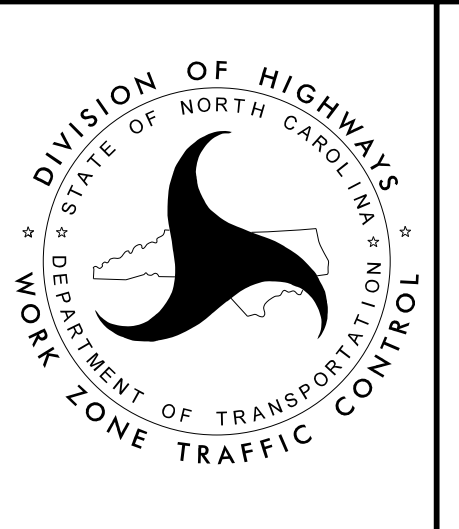
** CMS TO REMAIN IN PLACE FOR 2 MONTHS AFTER COMPLETION OF CONSTRUCTION AND DISPLAY "NEW TRAFFIC PATTERN"

SEE SHEET TMP-2B FOR
DETOUR

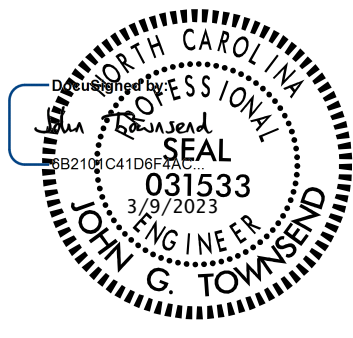
3/9/2023 R:\Tg\Fic\TrafficControl\TCP\HS2004M_tmp TMP-02C.dgn User:jtownsend

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DATE: _____

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DETOUR ROUTE
NC 48 (GOLDROCK ROAD)
AT WATERLOO DR/
ROUNDTREE DR

| | |
|---|-----------|
| TIP NO. | SHEET NO. |
| HS-2004M | PMP-1 |
| APPROVED: _____ | |
| DATE: _____ | |
| SEAL | |
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
NASH COUNTY**

**LOCATION: LINE -L1- NC 48 (GOLDROCK ROAD) AT
GREYSON ROAD & CUNNINGHAM DRIVE
LINE -L2- NC 48 (GOLDROCK ROAD) AT
WATERLOO DRIVE & ROUNDTREE DRIVE**

T.I.P.: HS-2004M

CONTRACT: DD00419

INDEX

| SHEET NO. | DESCRIPTION |
|-----------|-----------------------------------|
| PMP-1 | PAVEMENT MARKING PLAN TITLE SHEET |
| PMP-2-3 | PAVEMENT MARKING DETAIL |

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

| ROAD NAME | MARKING | MARKERS |
|--------------|---------------|---------|
| -L1- (NC 48) | THERMOPLASTIC | NONE |
| -L2- (NC 48) | THERMOPLASTIC | NONE |
| -Y- LINES | THERMOPLASTIC | NONE |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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:

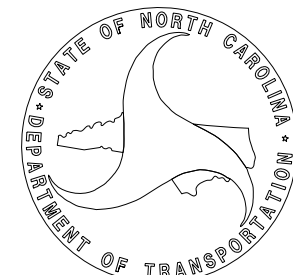
| STD. NO. | TITLE |
|----------|--|
| 1205.01 | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS |
| 1205.02 | PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS |
| 1205.08 | PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES |
| 1205.09 | PAVEMENT MARKINGS - PAINTED ISLANDS |
| 1205.14 | PAVEMENT MARKINGS - ROUNDABOUTS |

PAVEMENT MARKING SCHEDULE

| SYMBOL | DESCRIPTION |
|---------------|---|
| THERMOPLASTIC | |
| T1 | WHITE EDGELINE (4", 90 MIL) |
| T10 | YELLOW EDGELINE (4", 90 MIL) |
| T13 | YELLOW DOUBLE CENTER (4", 90 MIL) |
| T50 | WHITE GORELINE (12", 90 MIL) |
| T55 | 3 FT. - 3 FT./SP WHITE MINISKIP (12", 90 MIL) |
| T102 | 12" YIELD LINE TRIANGLE (90 MIL) |

PLAN SUBMITTED TO:

Keith Eason, PE; Project Engineer



PLAN PREPARED BY: VHB Engineering NC, P.C.

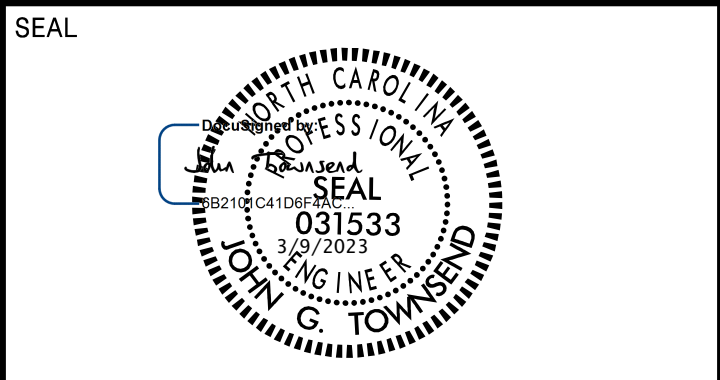
John Townsend, PE Project Design Engineer

Alex Ribiakost Project Engineer

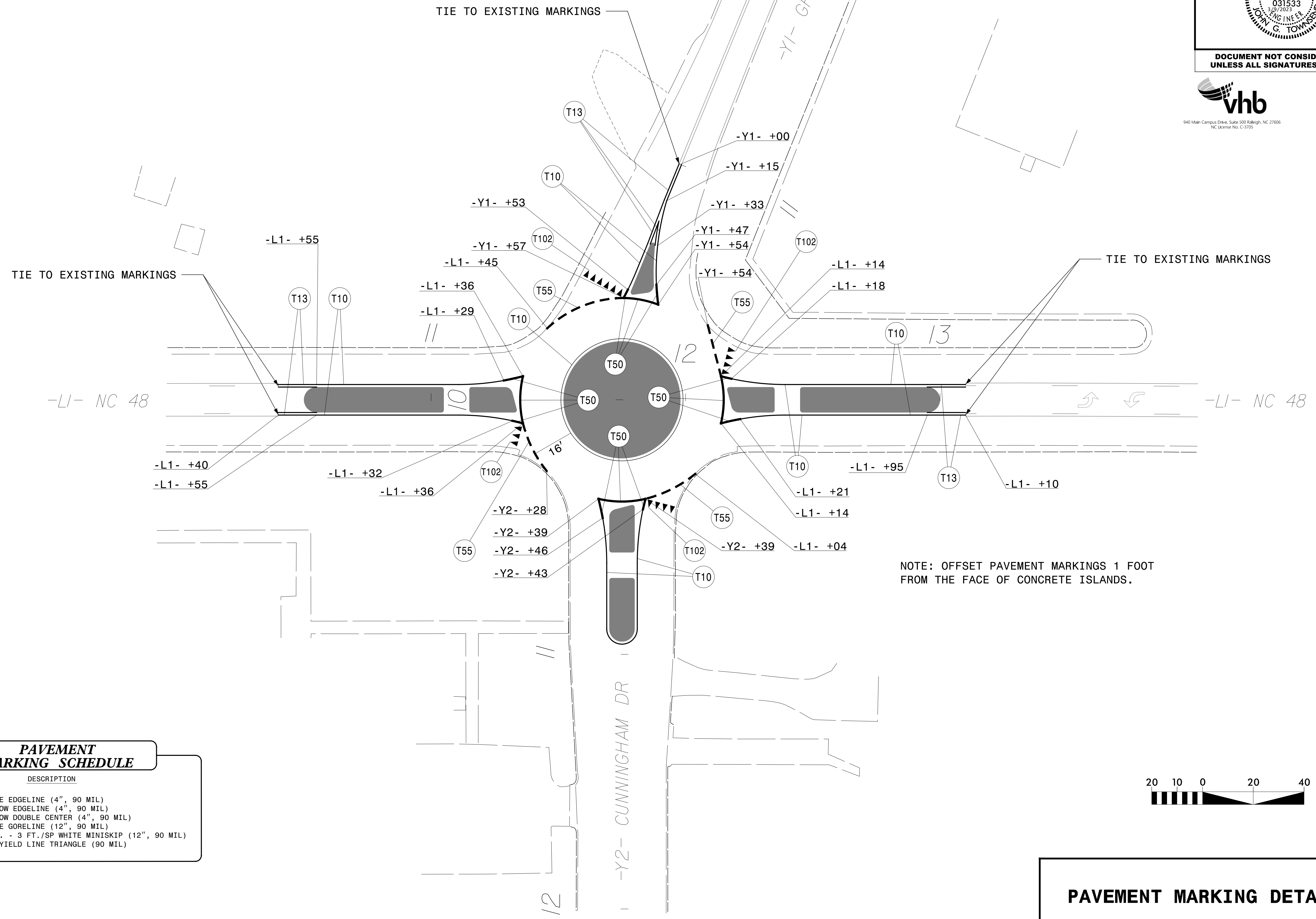
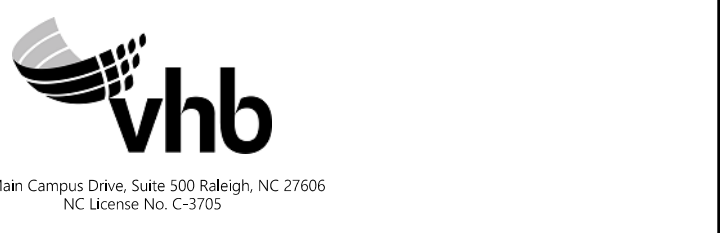


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APPROVED: _____
 DATE: _____



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NOTE: OFFSET PAVEMENT MARKINGS 1 FOOT FROM THE FACE OF CONCRETE ISLANDS.

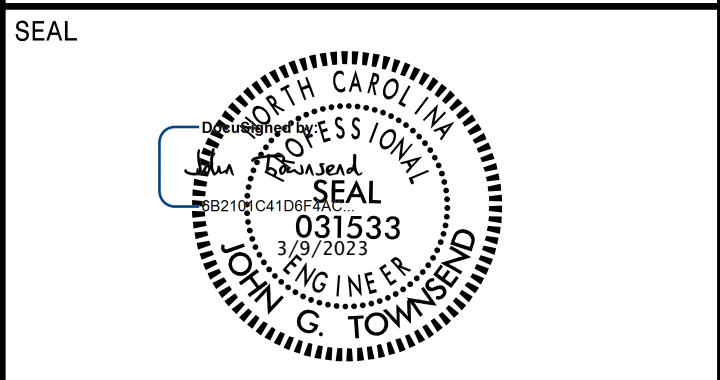
| PAVEMENT MARKING SCHEDULE | |
|---------------------------|---|
| SYMBOL | DESCRIPTION |
| THERMOPLASTIC | |
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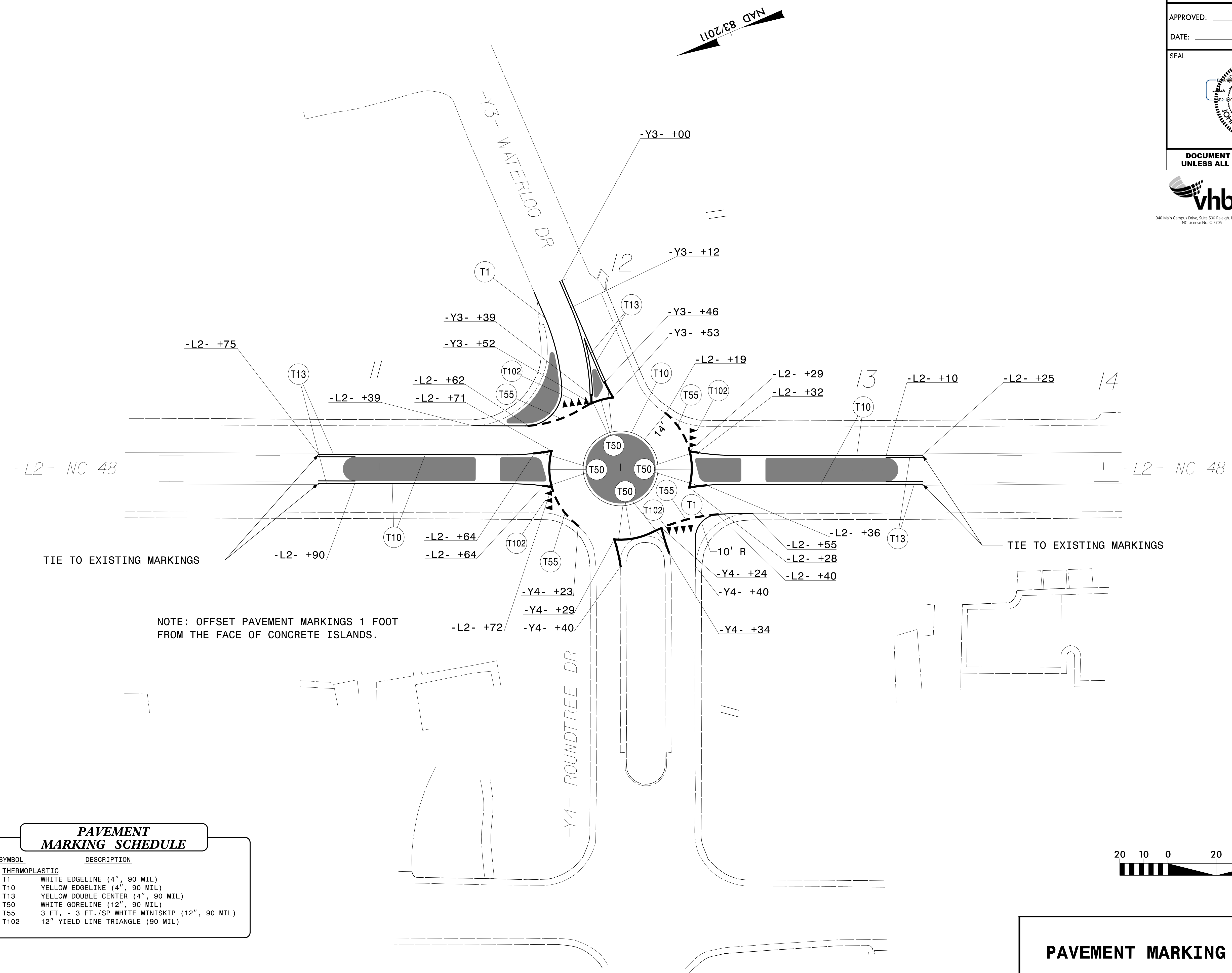
PAVEMENT MARKING DETAIL

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 User:jtownsend

APPROVED: _____
 DATE: _____



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| PAVEMENT MARKING SCHEDULE | |
|---------------------------|---|
| SYMBOL | DESCRIPTION |
| THERMOPLASTIC | |
| T1 | WHITE EDGELINE (4", 90 MIL) |
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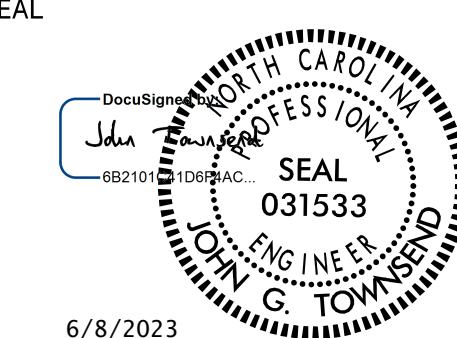
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 User:jtownsend

PAVEMENT MARKING DETAIL

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
NASH COUNTY**

**LOCATION: LINE -L1- NC 48 (GOLDROCK ROAD) AT
GREYSON ROAD & CUNNINGHAM DRIVE
LINE -L2- NC 48 (GOLDROCK ROAD) AT
WATERLOO DRIVE & ROUNDTREE DRIVE**

| | |
|---|-----------------------------------|
| <small>TIP NO.</small> HS-2004M | <small>SHEET NO.</small> SGN-1 |
| <small>APPROVED:</small> _____ | |
| <small>DATE:</small> _____ | |
|  | |
| <small>6/8/2023</small> | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

T.I.P.: HS-2004M

CONTRACT: DD00419

SUMMARY OF QUANTITIES

| ITEM NO. | | ITEM DESCRIPTION | QUANTITY | UNIT |
|------------|-----------|------------------------------------|----------|------|
| DESC. NO. | SECT. NO. | | | |
| 4025000000 | 901 | CONTRACTOR FURNISHED, TYPE E SIGN | 131.2 | S.F. |
| 4072000000 | 903 | SUPPORTS, 3 LB STEEL U-CHANNEL | 134 | L.F. |
| 4102000000 | 904 | SIGN ERECTION, TYPE E | 24 | EA. |
| 4155000000 | 907 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 7 | EA. |

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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 |
|----------|--|
| 904.10 | ORIENTATION OF GROUND MOUNTED SIGNS |
| 904.50 | MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS |

GENERAL NOTES

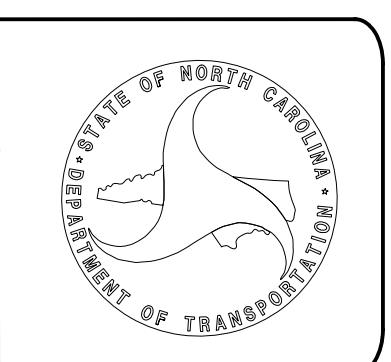
- . SIGNS FURNISHED BY CONTRACTOR
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

INDEX

| SHEET NO. | DESCRIPTION |
|-----------|-----------------------------|
| SGN-1 | TITLE SHEET |
| SGN-2 | E SHEET |
| SGN-3-4 | EXISTING AND PROPOSED SIGNS |

PLAN SUBMITTED TO:

Keith Eason, PE, Project Engineer

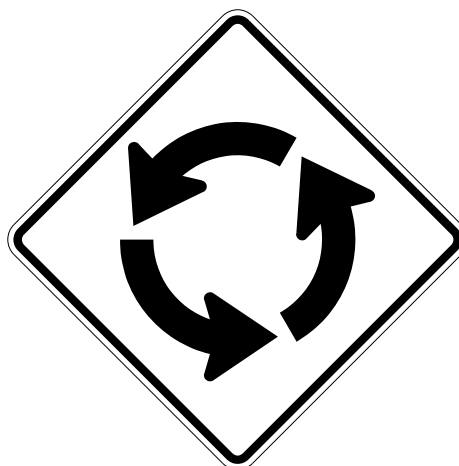


PLAN PREPARED BY: VHB Engineering NC, P.C.

John Townsend, PE Project Engineer



401 QUANTITY REQ'D 8



30 X 30
W2-6

ONE "U" POST PER SIGN

402 QUANTITY REQ'D 8



36 X 36 x 36
R1-2

ONE "U" POST PER SIGN

403 QUANTITY REQ'D 8



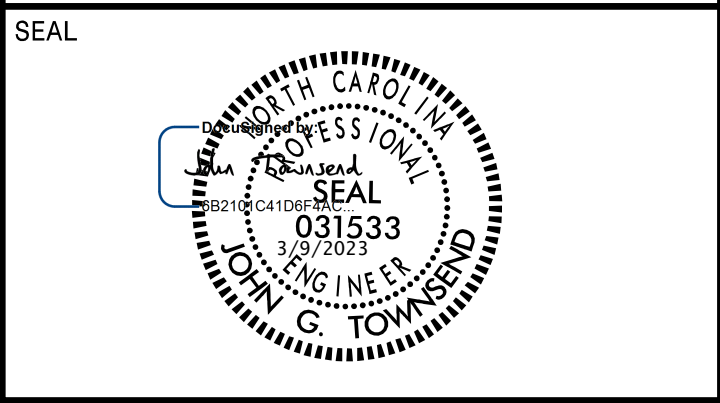
30 X 30
R6-5p

MOUNT BELOW SIGN 402
IN 8 INSTALLATIONS

| | |
|----------|-----------|
| TIP NO. | SHEET NO. |
| HS-2004M | SGN-2 |

APPROVED: _____

DATE: _____



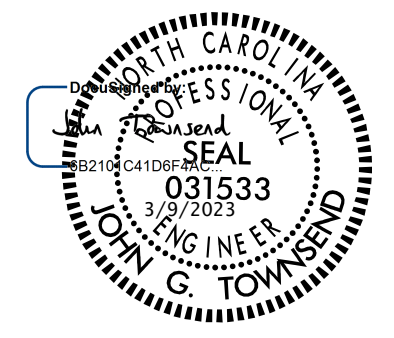
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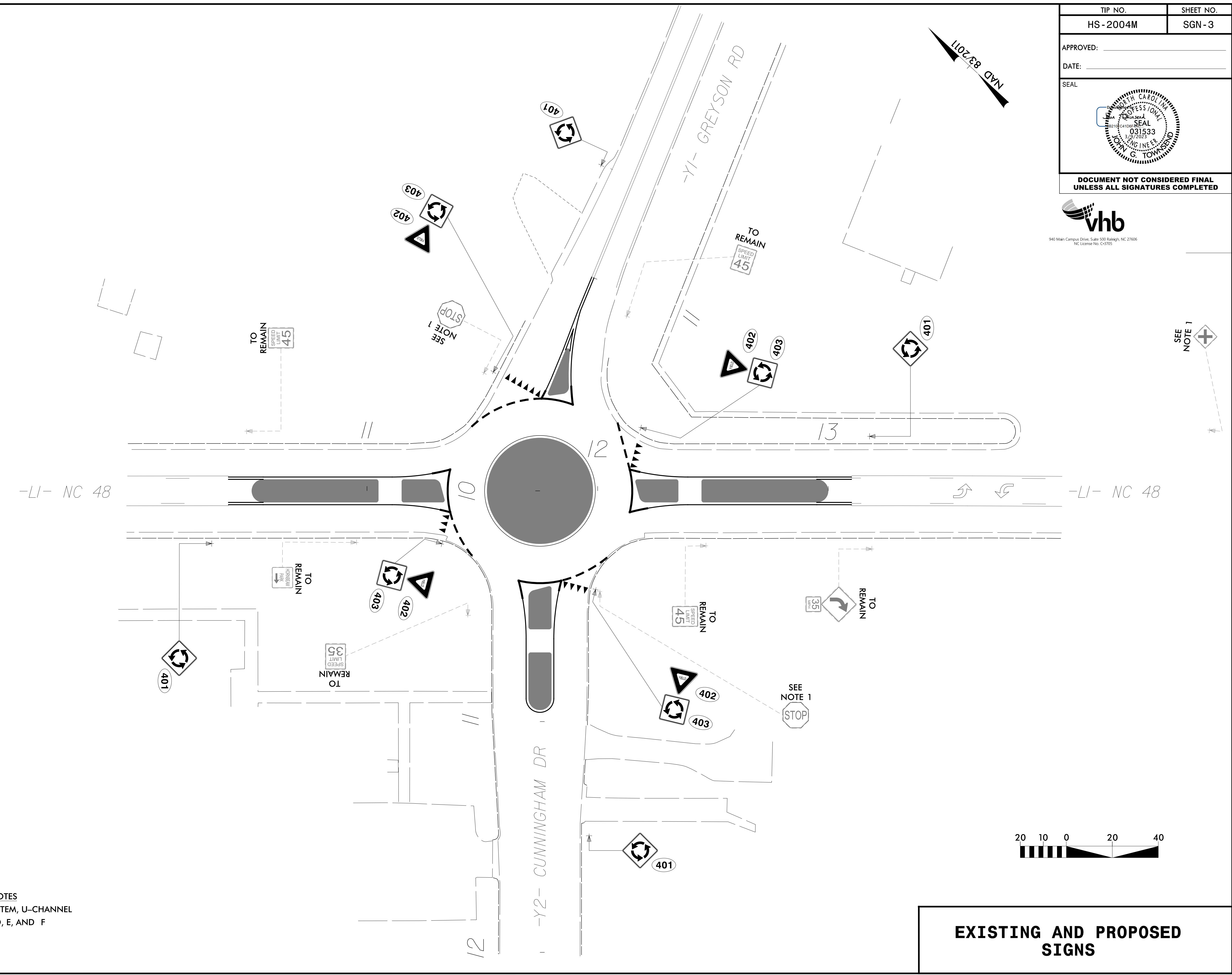


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User:jtownsend

TYPE "E" SIGNS

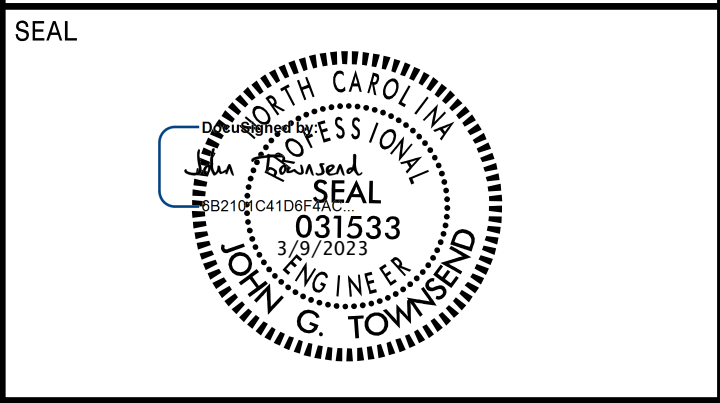
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|---|-----------|
| TIP NO. | SHEET NO. |
| HS - 2004M | SGN - 3 |
| APPROVED: _____ | |
| DATE: _____ | |
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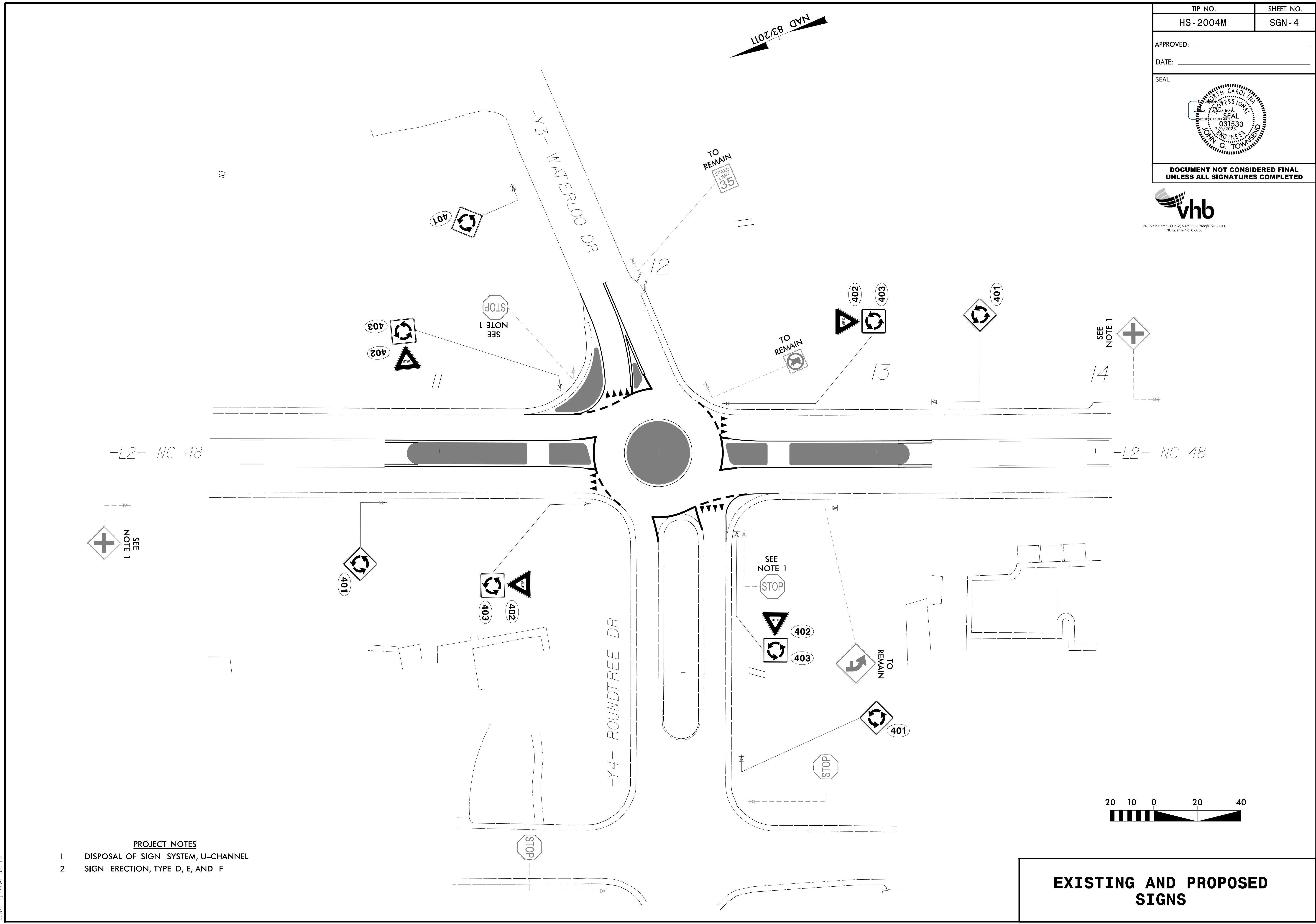
- PROJECT NOTES**
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - SIGN ERECTION, TYPE D, E, AND F

**EXISTING AND PROPOSED
SIGNS**

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- PROJECT NOTES**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 2 SIGN ERECTION, TYPE D, E, AND F

**EXISTING AND PROPOSED
 SIGNS**

02/23/23
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