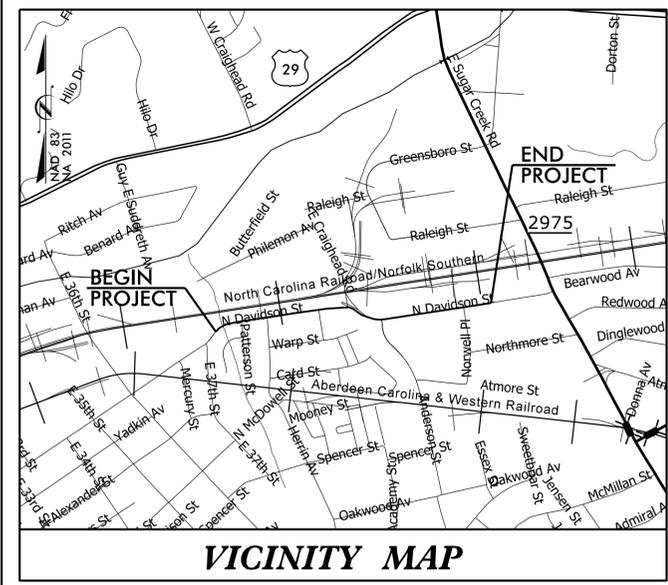


DCN 0500DEL_P30

09/28/2023

See Sheet 1A For Index of Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
RAIL DIVISION

MECKLENBURG COUNTY

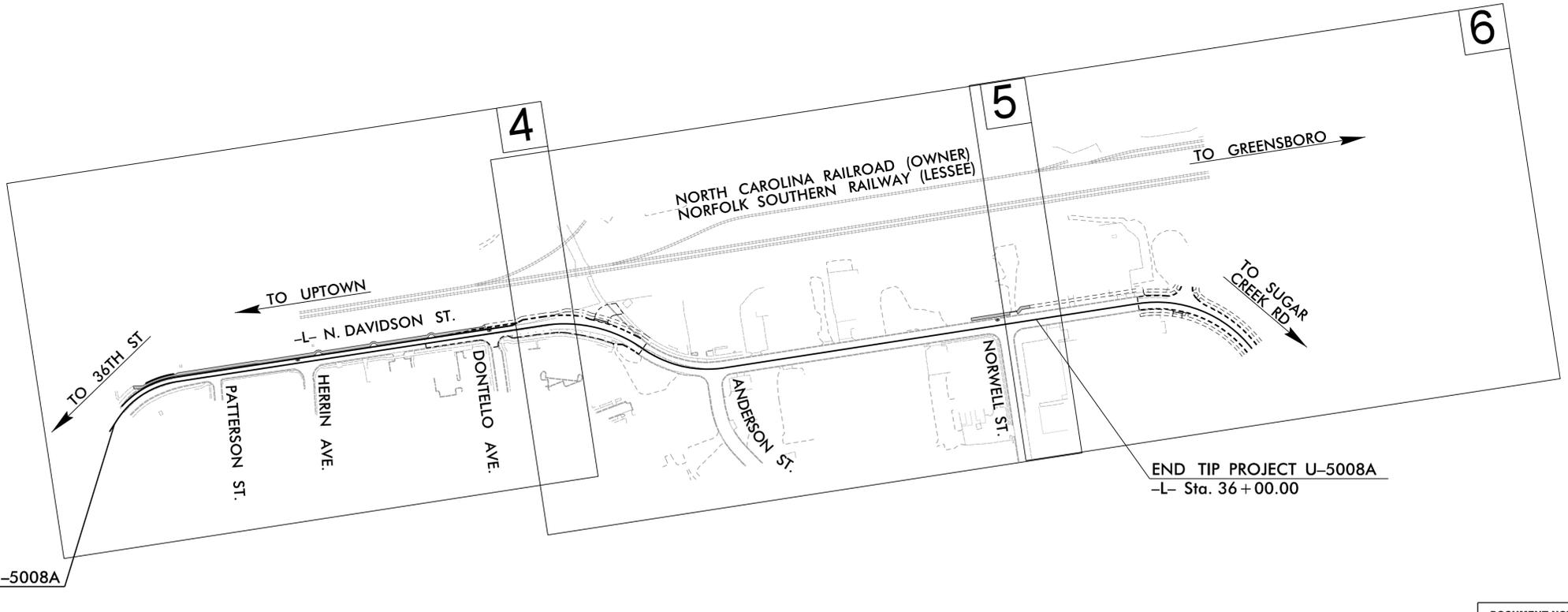


| | | | |
|-----------------|-----------------------------|--------------------|--------------|
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | U-5008A | 1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 57500.1.FRA05T3 | FR-HSR-0033-11-01-00 | PE | |
| 57500.2.FRA02 | FR-HSR-0033-11-01-00 | RW/UTILITIES CONST | |

LOCATION: N. DAVIDSON STREET SIDEWALK EXTENSION FROM 37TH STREET TO BEARWOOD AVENUE IN CHARLOTTE

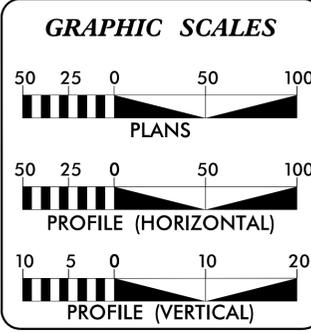
TYPE OF WORK: DRAINAGE, GRADING, PAVING, SIDEWALK

CONTRACT: TIP PROJECT: U-5008A



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT:



DESIGN DATA

| | | |
|-----------------------|---|---------|
| ADT | = | N/A |
| ADT | = | N/A |
| K | = | N/A % |
| D | = | N/A % |
| T | = | N/A % * |
| V | = | 35 MPH |
| * TTST = N/A DUAL N/A | | |
| FUNC CLASS = | | |
| MINOR COLLECTOR | | |

PROJECT LENGTH

| | | |
|------------------------------------|---|-------------|
| LENGTH ROADWAY TIP PROJECT U-5008A | = | 0.504 MILES |
| TOTAL LENGTH TIP PROJECT U-5008A | = | 0.504 MILES |

Prepared In the Office of:
RAIL DIVISION
862 Capital Boulevard, Raleigh, NC 27603

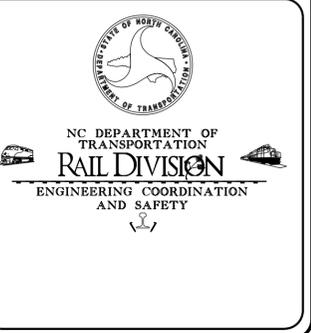
| | |
|---|---|
| 2018 STANDARD SPECIFICATIONS | |
| RIGHT OF WAY DATE: APRIL 29, 2022 | KUMAR TRIVEDI, PE PROJECT ENGINEER |
| LETTING DATE: MAY 3, 2023 | BRIAN GACKSTETTER, EI PROJECT DESIGN ENGINEER |

HYDRAULICS ENGINEER

DocuSigned by:
Erik Seiler
SIGNATURE:

ROADWAY DESIGN ENGINEER

DocuSigned by:
Kumar A. Trivedi
SIGNATURE:



3/15/2023
U-5008A_Rdy_tsh.dgn
ext-mbltfield

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

| | |
|---|-------------------------|
| PROJECT REFERENCE NO. <i>U-5008A</i> | SHEET NO. <i>1A</i> |
| | ROADWAY DESIGN ENGINEER |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

INDEX OF SHEETS

| SHEET NUMBER | SHEET |
|------------------|---|
| I | TITLE SHEET |
| IA | INDEX OF SHEETS, GENERAL NOTES, LIST OF ROADWAY STANDARD DRAWINGS |
| IB | CONVENTIONAL SYMBOLS SHEET |
| 2A-1 THRU 2A-2 | PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND MISCELLANEOUS DETAILS |
| 2B-1 | PROPOSED PEDESTRIAN SAFETY RAIL |
| 2B-2 | DETAIL OF PIPE HANDRAIL MOUNTED ON A WALL |
| 2B-3 | CONCRETE FLUME DETAIL |
| 2C-1 | SIDEWALK TRANSITION DETAIL |
| 2G-1 | RETAINING WALL DETAIL |
| 3B-1 | SUMMARIES OF EARTHWORK, GUARDRAIL AND ASPHALT PAVEMENT REMOVAL |
| 3D-1 | DRAINAGE SUMMARY |
| 3P-1 | PARCEL INDEX SHEET |
| 4 THRU 6 | PLAN SHEETS |
| 7 | PROFILE SHEET |
| RW01 | RIGHT OF WAY TITLESHEET |
| IC-1 THRU IC-4 | SURVEY CONTROL SHEETS |
| RW03E-1 | RIGHT OF WAY CONTROL SHEET |
| RW04 THRU RW06 | RIGHT OF WAY PLAN SHEETS |
| TMP-1 THRU TMP-6 | TRANSPORTATION MANAGEMENT PLANS |
| EC-1 THRU EC-9 | EROSION CONTROL PLANS |
| UO-1 THRU UO-2 | UTILITIES BY OTHERS PLANS |
| X-1 | CROSS-SECTION SUMMARY SHEET |
| X-2 THRU X-9 | CROSS-SECTIONS |
| W-1 | RETAINING WALL PLAN |

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

SUBSURFACE PLANS:

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

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 and/or 848.06.

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 2 - EARTHWORK | |
| 200.03 | Method of Clearing - Method III |
| DIVISION 3 - PIPE CULVERTS | |
| 300.01 | Method of Pipe Installation |
| DIVISION 8 - INCIDENTALS | |
| 806.01 | Concrete Right-of-Way Marker |
| 806.02 | Granite Right-of-Way Marker |
| 838.01 | Concrete Endwall for Single and Double Pipe Culverts - 15' thru 48" Pipe 90 Skew |
| 838.02 | Brick Endwall for Single and Double Pipe Culverts - 15' thru 48" Pipe 90 Skew |
| 840.01 | Brick Catch Basin - 12' thru 54" Pipe |
| 840.02 | Concrete Catch Basin - 12' thru 54" Pipe |
| 840.03 | Frame, Grates and Hood - for Use on Standard Catch Basin |
| 840.72 | Pipe Collar |
| 846.01 | Concrete Curb, Gutter and Curb & Gutter |
| 848.01 | Concrete Sidewalk |
| 848.05 | Curb Ramp - Proposed Curb & Gutter |
| 862.01 | Guardrail Placement |
| 862.02 | Guardrail Installation |

EFF. 01-16-2018
REV.

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS
CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

Table listing symbols for boundaries and property: State Line, County Line, Township Line, City Line, Reservation Line, Property Line, Existing Iron Pin (EIP), Computed Property Corner, Existing Concrete Monument (ECM), Parcel/Sequence Number, Existing Fence Line, Proposed Woven Wire Fence, Proposed Chain Link Fence, Proposed Barbed Wire Fence, Existing Wetland Boundary, Proposed Wetland Boundary, Existing Endangered Animal Boundary, Existing Endangered Plant Boundary, Existing Historic Property Boundary, Known Contamination Area: Soil, Potential Contamination Area: Soil, Known Contamination Area: Water, Potential Contamination Area: Water, Contaminated Site: Known or Potential.

BUILDINGS AND OTHER CULTURE:

Table listing symbols for 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:

Table listing symbols for hydrology: Stream or Body of Water, Hydro, Pool or Reservoir, Jurisdictional Stream, Buffer Zone 1, Buffer Zone 2, Flow Arrow, Disappearing Stream, Spring, Wetland, Proposed Lateral, Tail, Head Ditch, False Sump.

RAILROADS:

Table listing symbols for railroads: Standard Gauge, RR Signal Milepost, Switch, RR Abandoned, RR Dismantled.

RIGHT OF WAY & PROJECT CONTROL:

Table listing symbols for right of way and project control: Primary Horiz Control Point, Primary Horiz and Vert Control Point, Secondary Horiz and Vert Control Point, Vertical Benchmark, Existing Right of Way Monument, Proposed Right of Way Monument (Rebar and Cap), Proposed Right of Way Monument (Concrete), Existing Permanent Easement Monument, Proposed Permanent Easement Monument (Rebar and Cap), Existing C/A Monument, Proposed C/A Monument (Rebar and Cap), Proposed C/A Monument (Concrete), Existing Right of Way Line, Proposed Right of Way Line, Existing Control of Access Line, Proposed Control of Access Line, Proposed ROW and CA Line, Existing Easement Line, Proposed Temporary Construction Easement, Proposed Temporary Drainage Easement, Proposed Permanent Drainage Easement, Proposed Permanent Drainage/Utility Easement, Proposed Permanent Utility Easement, Proposed Temporary Utility Easement, Proposed Aerial Utility Easement.

ROADS AND RELATED FEATURES:

Table listing symbols for roads and related features: Existing Edge of Pavement, Existing Curb, Proposed Slope Stakes Cut, Proposed Slope Stakes Fill, Proposed Curb Ramp, Existing Metal Guardrail, Proposed Guardrail, Existing Cable Guiderail, Proposed Cable Guiderail, Equality Symbol, Pavement Removal, VEGETATION: Single Tree, Single Shrub, Hedge.

Table listing symbols for woods and vineyards: Woods Line, Orchard, Vineyard.

EXISTING STRUCTURES:

Table listing symbols for existing structures: MAJOR: Bridge, Tunnel or Box Culvert, Bridge Wing Wall, Head Wall and End Wall, MINOR: Head and End Wall, Pipe Culvert, Footbridge, Drainage Box: Catch Basin, DI or JB, Paved Ditch Gutter, Storm Sewer Manhole, Storm Sewer.

UTILITIES:

* SUE - Subsurface Utility Engineering
LOS - Level of Service - A, B, C or D (Accuracy)

Table listing symbols for 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, U/G Power Line Test Hole (SUE - LOS A)*, U/G Power Line (SUE - LOS B)*, U/G Power Line (SUE - LOS C)*, U/G Power Line (SUE - LOS D)*, TELEPHONE: Existing Telephone Pole, Proposed Telephone Pole, Telephone Manhole, Telephone Pedestal, Telephone Cell Tower, U/G Telephone Cable Hand Hole, U/G Telephone Test Hole (SUE - LOS A)*, U/G Telephone Cable (SUE - LOS B)*, U/G Telephone Cable (SUE - LOS C)*, U/G Telephone Cable (SUE - LOS D)*, U/G Telephone Conduit (SUE - LOS B)*, U/G Telephone Conduit (SUE - LOS C)*, U/G Telephone Conduit (SUE - LOS D)*, U/G Fiber Optics Cable (SUE - LOS B)*, U/G Fiber Optics Cable (SUE - LOS C)*, U/G Fiber Optics Cable (SUE - LOS D)*.

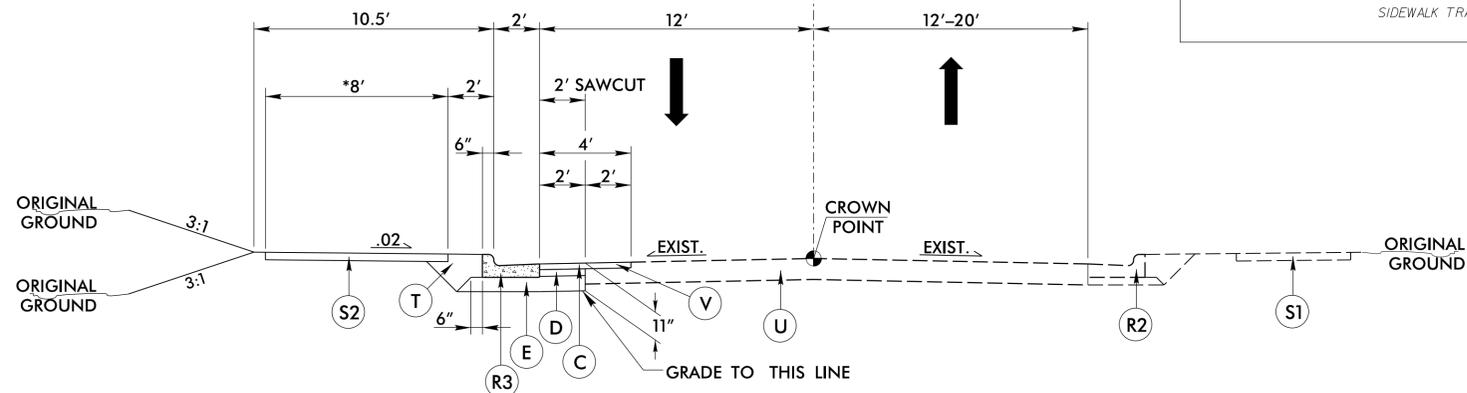
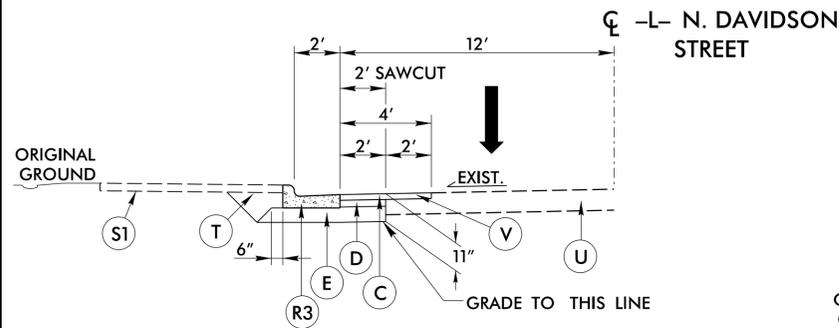
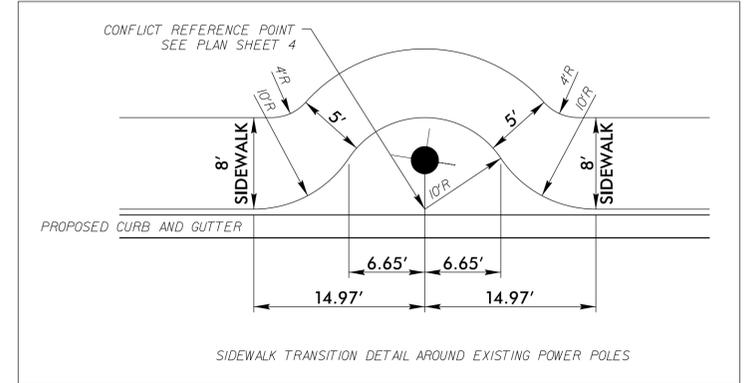
Table listing symbols for water, TV, gas, sanitary sewer, and miscellaneous: WATER: Water Manhole, Water Meter, Water Valve, Water Hydrant, U/G Water Line Test Hole (SUE - LOS A)*, U/G Water Line (SUE - LOS B)*, U/G Water Line (SUE - LOS C)*, U/G Water Line (SUE - LOS D)*, Above Ground Water Line, TV: TV Pedestal, TV Tower, U/G TV Cable Hand Hole, U/G TV Test Hole (SUE - LOS A)*, U/G TV Cable (SUE - LOS B)*, U/G TV Cable (SUE - LOS C)*, U/G TV Cable (SUE - LOS D)*, U/G Fiber Optic Cable (SUE - LOS B)*, U/G Fiber Optic Cable (SUE - LOS C)*, U/G Fiber Optic Cable (SUE - LOS D)*, GAS: Gas Valve, Gas Meter, U/G Gas Line Test Hole (SUE - LOS A)*, U/G Gas Line (SUE - LOS B)*, U/G Gas Line (SUE - LOS C)*, U/G Gas Line (SUE - LOS D)*, Above Ground Gas Line, SANITARY SEWER: Sanitary Sewer Manhole, Sanitary Sewer Cleanout, U/G Sanitary Sewer Line, Above Ground Sanitary Sewer, SS Force Main Line Test Hole (SUE - LOS A)*, SS Force Main Line (SUE - LOS B)*, SS Force Main Line (SUE - LOS C)*, SS Force Main Line (SUE - LOS D)*, MISCELLANEOUS: Utility Pole, Utility Pole with Base, Utility Located Object, Utility Traffic Signal Box, Utility Unknown U/G Line (SUE - LOS B)*, U/G Tank; Water, Gas, Oil, Underground Storage Tank, Approx. Loc., A/G Tank; Water, Gas, Oil, Geoenvironmental Boring, Abandoned According to Utility Records, End of Information.

PAVEMENT SCHEDULE

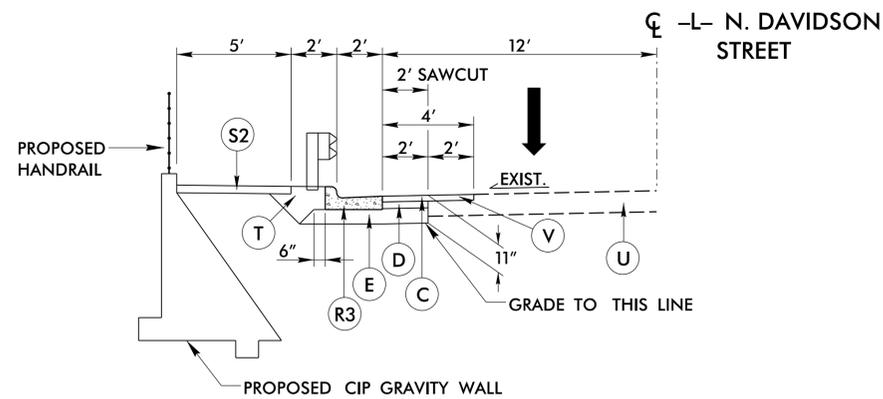
| | | | | | |
|----|--|----|--|----|--------------------------------|
| C | PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD., IN EACH OF TWO LAYERS. | R2 | EXISTING 2'-6" CONCRETE CURB AND GUTTER. | S3 | PROPOSED 6" CONCRETE SIDEWALK. |
| D | PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. | R3 | PROPOSED 2'-6" CONCRETE CURB AND GUTTER. | T | EARTH MATERIAL. |
| E | PROP. APPROX. 4" ASPHALT BASE SURFACE COURSE TYPE B25.0C AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. | S1 | EXISTING 4" CONCRETE SIDEWALK. | U | EXISTING PAVEMENT. |
| R1 | EXISTING VALLEY GUTTER. | S2 | PROPOSED 4" CONCRETE SIDEWALK. | V | 3" MILLING EXISTING PAVEMENT. |

NOTE: ALL SLOPES ARE 1:1 UNLESS OTHERWISE SHOWN.

| | |
|---|---|
| PROJECT REFERENCE NO. <i>U-5008A</i> | SHEET NO. <i>2A-1</i> |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | PAVEMENT DESIGN ENGINEER |
|  |  |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



TYPICAL SECTION NO. 1
 -L- STA. 10+00.00 TO STA. 13+92.95
 NOTE: *5' SIDEWALK FROM STA. 10+77.68 TO STA. 11+64.99
 PROPOSED 8' SIDEWALK FROM STA. 10+55.69 TO STA. 13+92.95



TYPICAL SECTION NO. 1B
 -L- STA. 10+86.00 TO STA. 11+62.00

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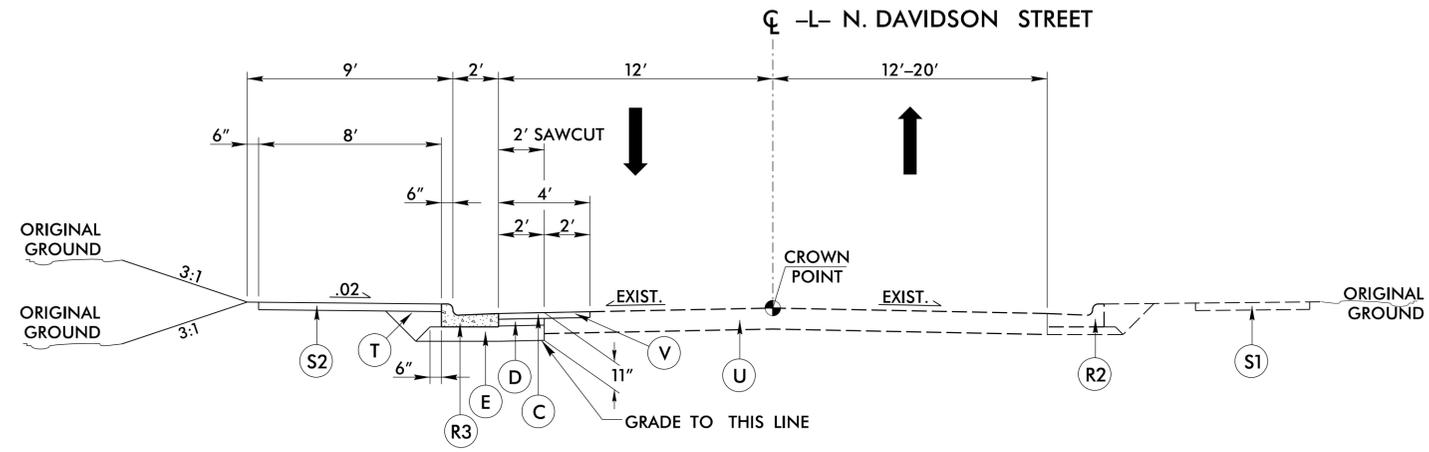
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PAVEMENT SCHEDULE

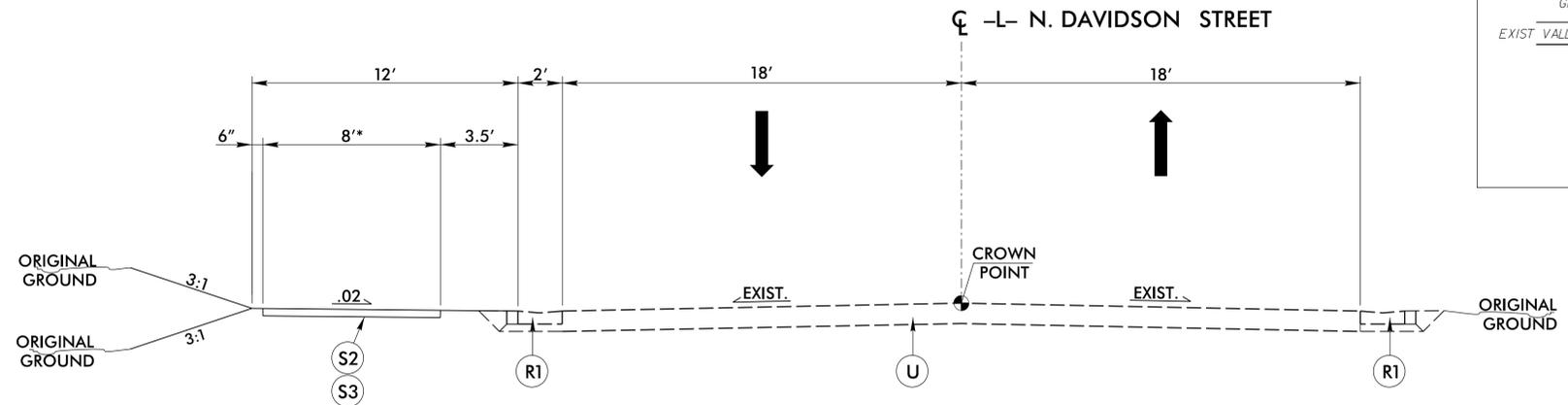
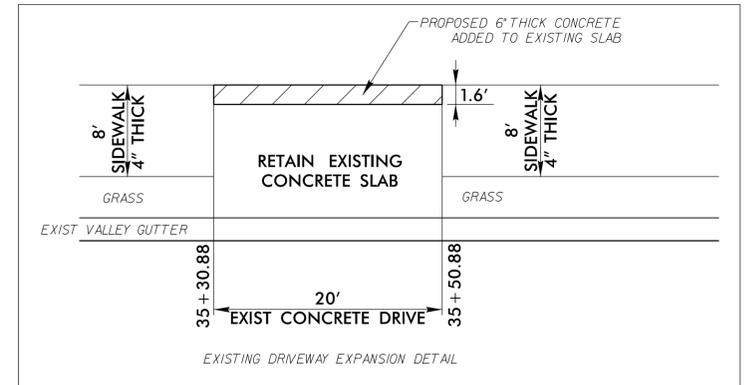
| | | | | | |
|----|--|----|--|----|--------------------------------|
| C | PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD., IN EACH OF TWO LAYERS. | R2 | EXISTING 2'-6" CONCRETE CURB AND GUTTER. | S3 | PROPOSED 6" CONCRETE SIDEWALK. |
| D | PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. | R3 | PROPOSED 2'-6" CONCRETE CURB AND GUTTER. | T | EARTH MATERIAL. |
| E | PROP. APPROX. 4" ASPHALT BASE SURFACE COURSE TYPE B25.0C AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. | S1 | EXISTING 4" CONCRETE SIDEWALK. | U | EXISTING PAVEMENT. |
| R1 | EXISTING VALLEY GUTTER. | S2 | PROPOSED 4" CONCRETE SIDEWALK. | V | 3" MILLING EXISTING PAVEMENT. |

NOTE: ALL SLOPES ARE 1:1 UNLESS OTHERWISE SHOWN.

| | |
|---|---|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. 2A-2 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | PAVEMENT DESIGN ENGINEER |
|  |  |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



TYPICAL SECTION NO. 2
-L- STA. 13+92.95 TO STA. 21+24.93

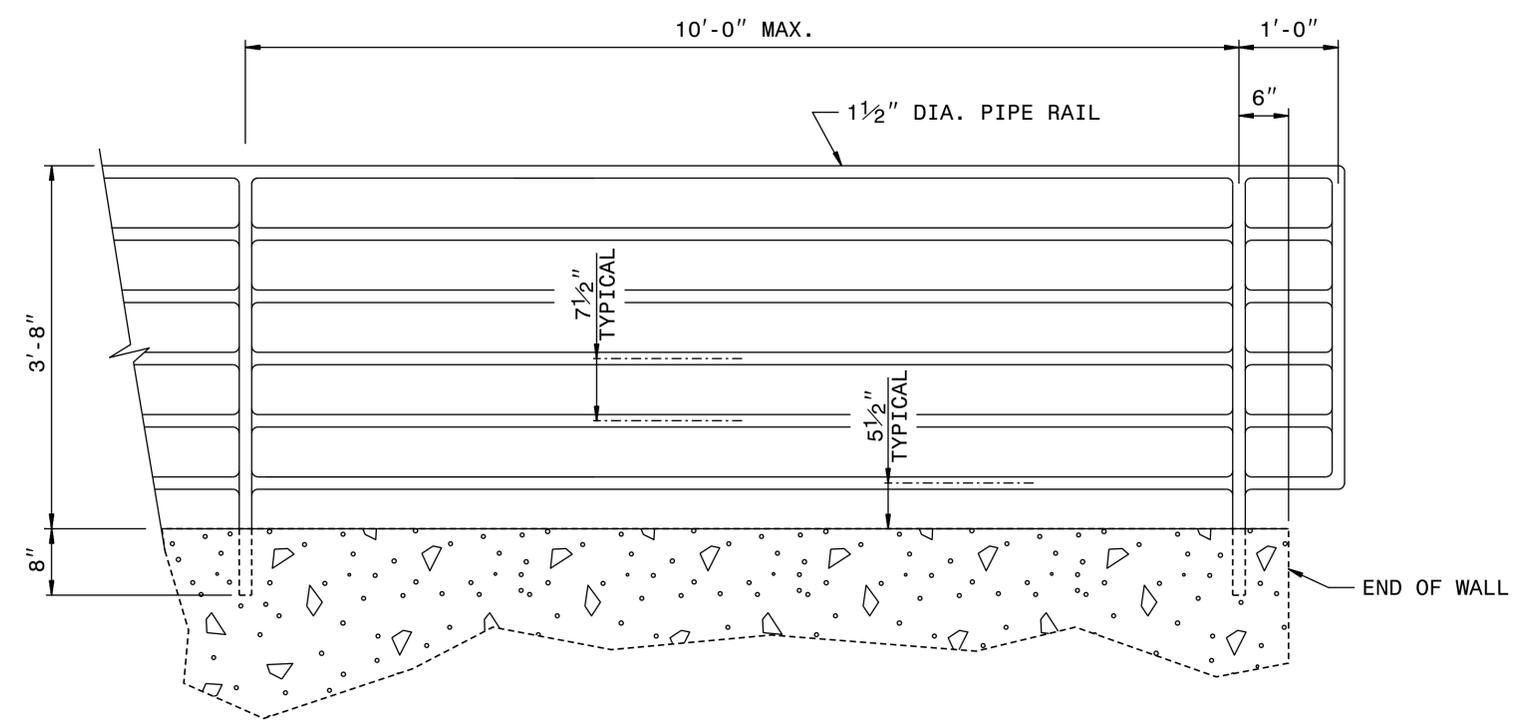


TYPICAL SECTION NO. 3
-L- STA. 34+22.40 TO STA. 35+88.00
NOTE:
PROPOSED 4" SIDEWALK FROM
34+22.40 TO 35+30.88 AND FROM 35+50.88 TO 35+88.00
PROPOSED 6" SIDEWALK FROM 35+30.88 TO 35+50.88

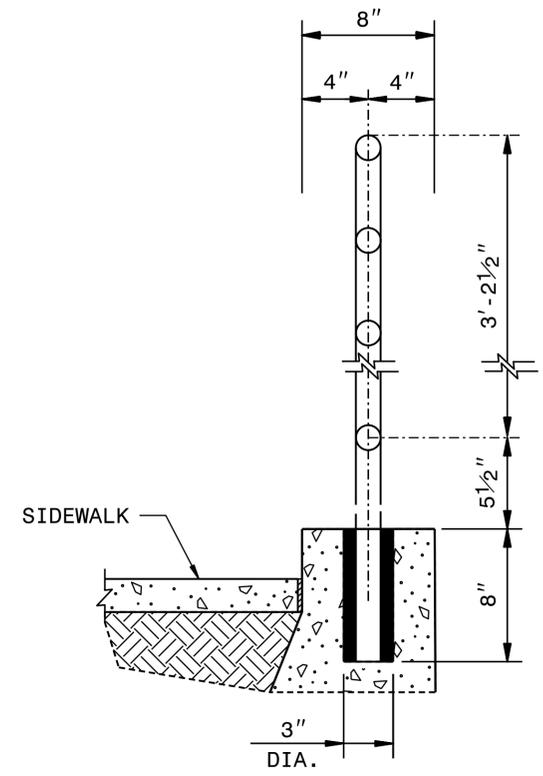
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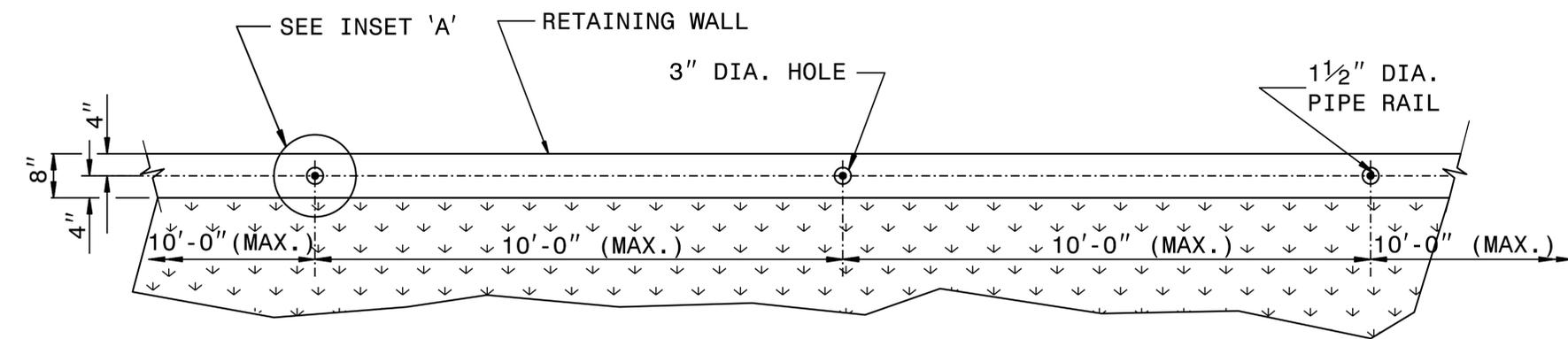
0500DEL_P30



ELEVATION OF HANDRAIL ON TOP OF WALL



INSET 'A'



PLAN VIEW

NOTES:

- PROPOSED STEEL PIPE RAIL SHALL BE CONSTRUCTED OF 1 1/2" DIAMETER SCHEDULE 40 PLAIN END GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A53.
- PIPE RAIL SHALL BE EMBEDDED 8" INTO PROPOSED WALL WITH CHEMICAL OR CONCRETE GROUT ANCHORING SYSTEM AS DIRECTED BY THE ENGINEER.
- REPAIR OF GALVANIZING SHALL BE IN ACCORDANCE WITH SECTION 1076 OF THE NCDOT STANDARD SPECIFICATIONS.
- PAINT, IF REQUIRED BY THE ENGINEER, IN ACCORDANCE WITH SECTION 1080 OF THE STANDARD SPECIFICATIONS.
- CENTER THE PROPOSED RAILING ON TOP OF THE WALL WITH POST SPACING SYMMETRICAL ABOUT THE CENTER-LINE OF THE WALL.
- WELD IN ACCORDANCE WITH ARTICLE 1072-18 OF THE STANDARD SPECIFICATIONS.
- SUBMIT THE ATTACHMENT OF THE HANDRAIL TO THE RETAINING WALL TO THE CONTRACTS AND STANDARDS OFFICE FOR APPROVAL.



| | |
|--|-------------|
| CONTRACT STANDARDS AND DEVELOPMENT UNIT | |
| Office 919-707-6950 FAX 919-250-4119 | |
| DETAIL OF PIPE HANDRAIL MOUNTED ON RETAINING WALL | |
| ORIGINAL BY: E.E. WARD | DATE: 12-99 |
| MODIFIED BY: J.T. WILLIAMS | DATE: 02-23 |
| CHECKED BY: J.M. ROBINSON | DATE: 02-23 |
| FILE SPEC.: jhowerton/handrail_on_retaining_wall.dgn | |

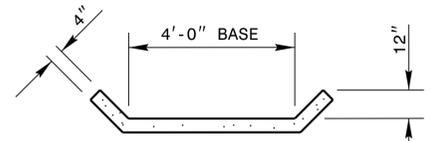
1/8/06 10:56 AM C:\Users\jrc7\Documents\157077\Mott MacDonald\501100121 - NCDOT Sugar Creek Supp #1 - Sugar Creek Retaining Wall\U-5008A\U-5008A_rdy_Handrail.dgn

GENERAL NOTES:

WIDTH AND SHAPE OF PROPOSED CONCRETE FLUME AND ETC. SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER.

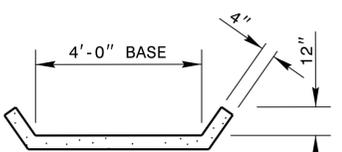
REINFORCING BARS ARE TO BE ASTM A615, GRADE 60.

THE FOLLOWING SHALL BE CONSTRUCTED IN ACCORDANCE WITH N.C. ROADWAY SPECIFICATIONS, CONCRETE CURB AND GUTTER-SECTION 846, CONCRETE FLUME COVER (TO BE CONSTRUCTED UNDER SIDEWALK SPECIFICATIONS) SECTION 848, CONCRETE PAVED DITCH- SECTION 850.



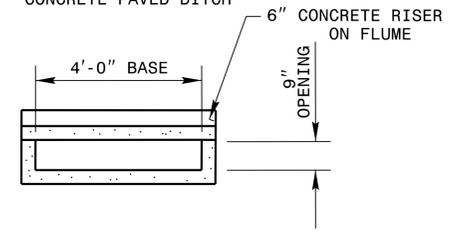
SECTION D-D

*CONCRETE PAVED DITCH



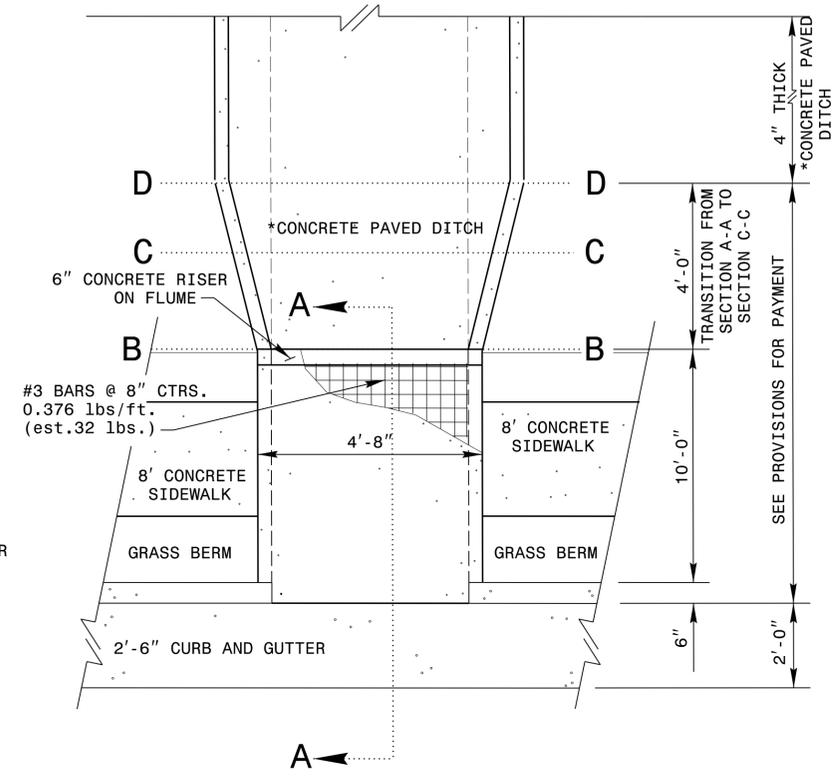
SECTION C-C

*CONCRETE PAVED DITCH

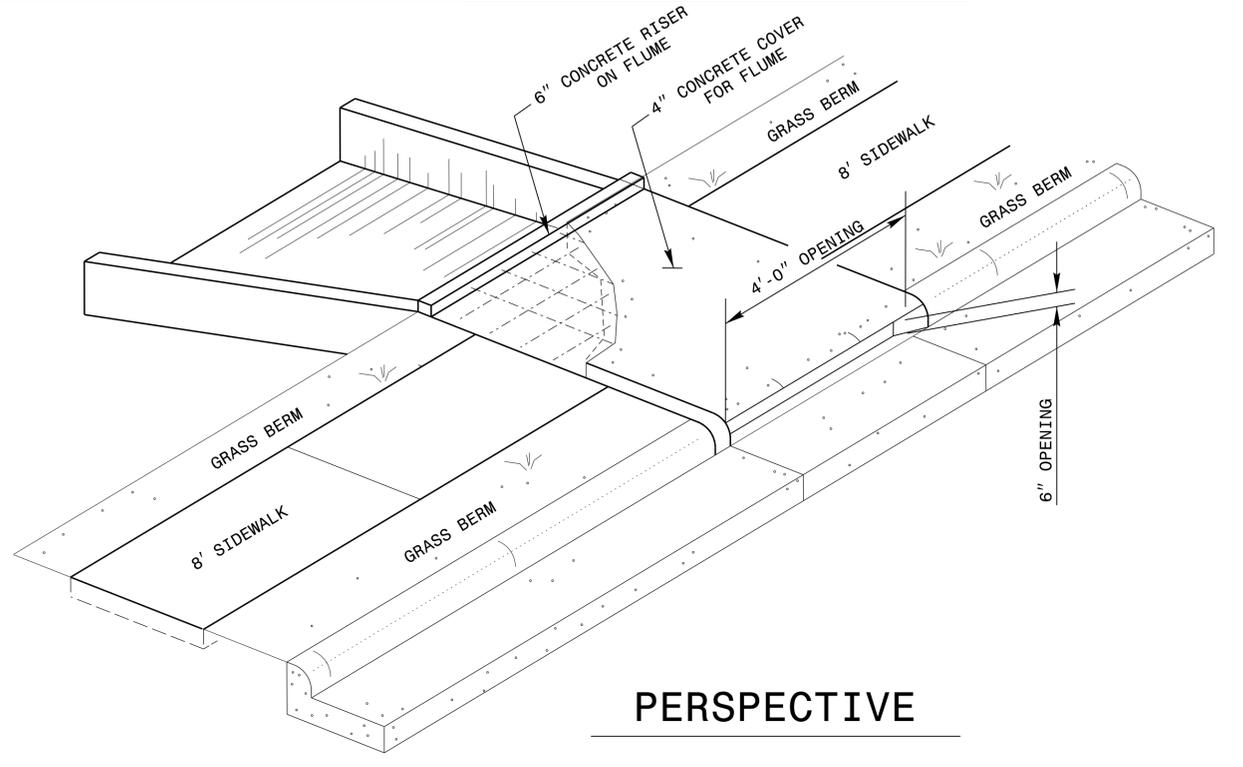


SECTION B-B

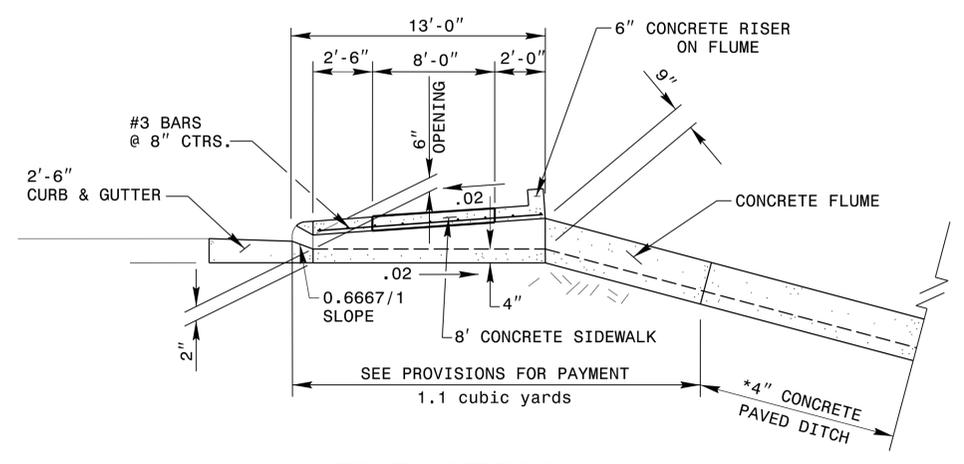
CONCRETE PAVED DITCH
CONCRETE FLUME



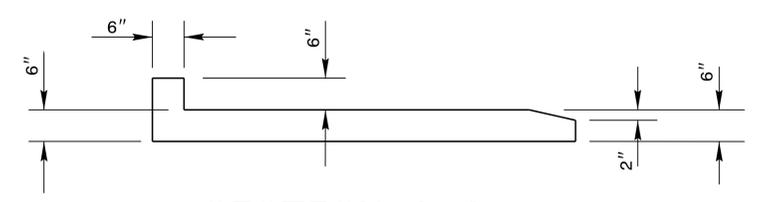
PLAN



PERSPECTIVE



ELEVATION



SECTION A-A



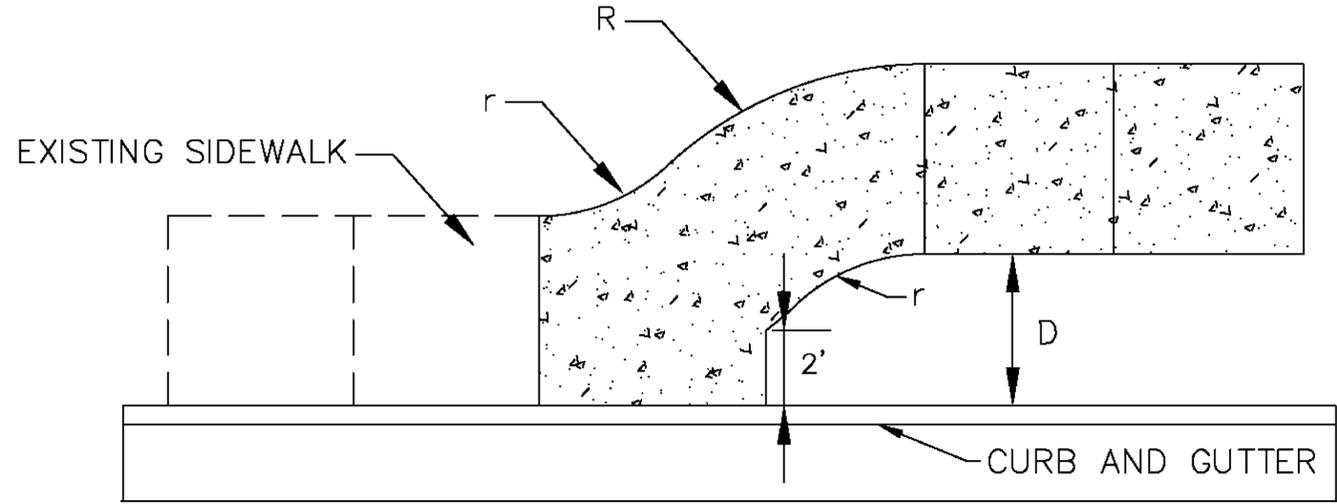
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS & DEVELOPMENT UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-707-6950 FAX 919-250-4119

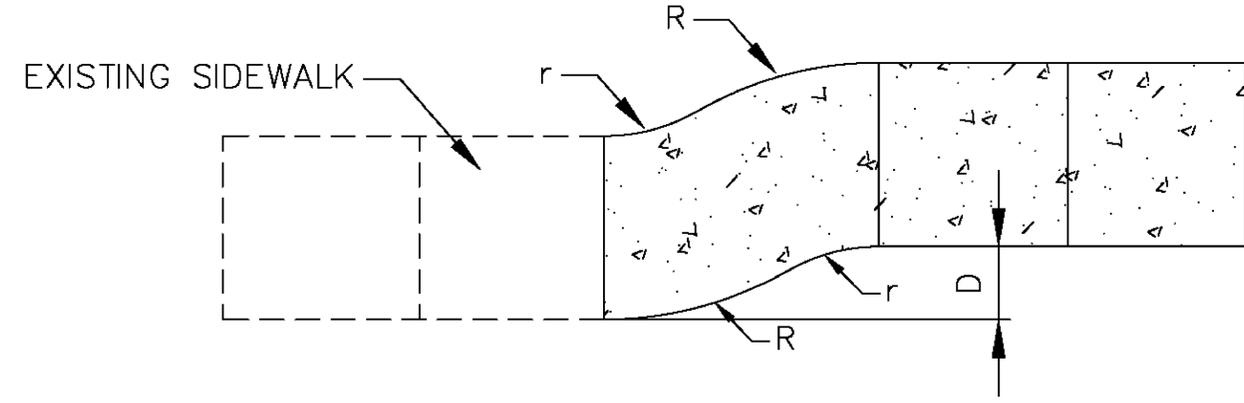
CONCRETE FLUME DETAIL

ORIGINAL BY: rnbritt DATE: 03-27-12
 MODIFIED BY: mittlefield DATE: 11-08-22
 CHECKED BY: DATE: _____
 FILE SPEC.: _____

*RIP RAP LINED DITCH MAY BE USED IN LIEU OF A CONCRETE PAVED DITCH.



SIDEWALK TRANSITION DETAIL AT BACK OF CURB
Not to scale



SIDEWALK TRANSITION DETAIL (PLANTING STRIP BOTH SIDES)
Not to scale

KEY

| D | R | r |
|---------|-----|-----|
| 0'-2.9' | 10' | 4' |
| 3'-7.9' | 25' | 19' |
| 8'+ | 50' | 44' |

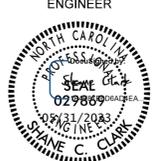


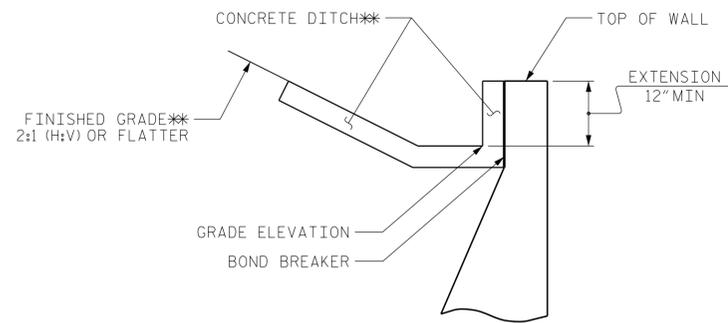
CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

SIDEWALK TRANSITION

| | |
|----------|------|
| STD. NO. | REV. |
| 10.23 | 18 |

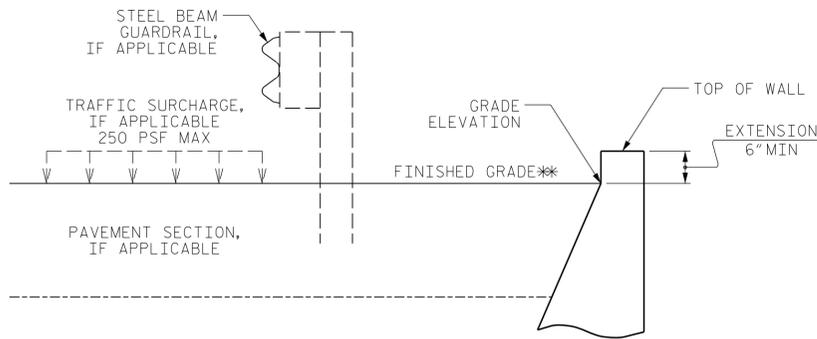
DCN
0500DEL_P30

| | |
|---|--|
| GEOTECHNICAL ENGINEER  SIGNATURE _____ DATE _____ | ENGINEER SIGNATURE _____ DATE _____ |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



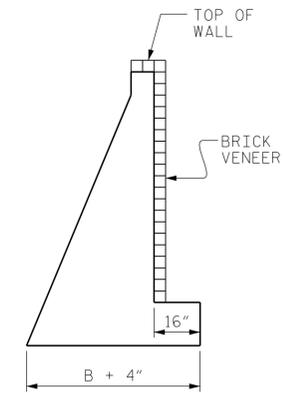
SLOPE CASE

**SEE ROADWAY PLANS FOR CONCRETE DITCH AND FINISHED GRADE DETAILS.



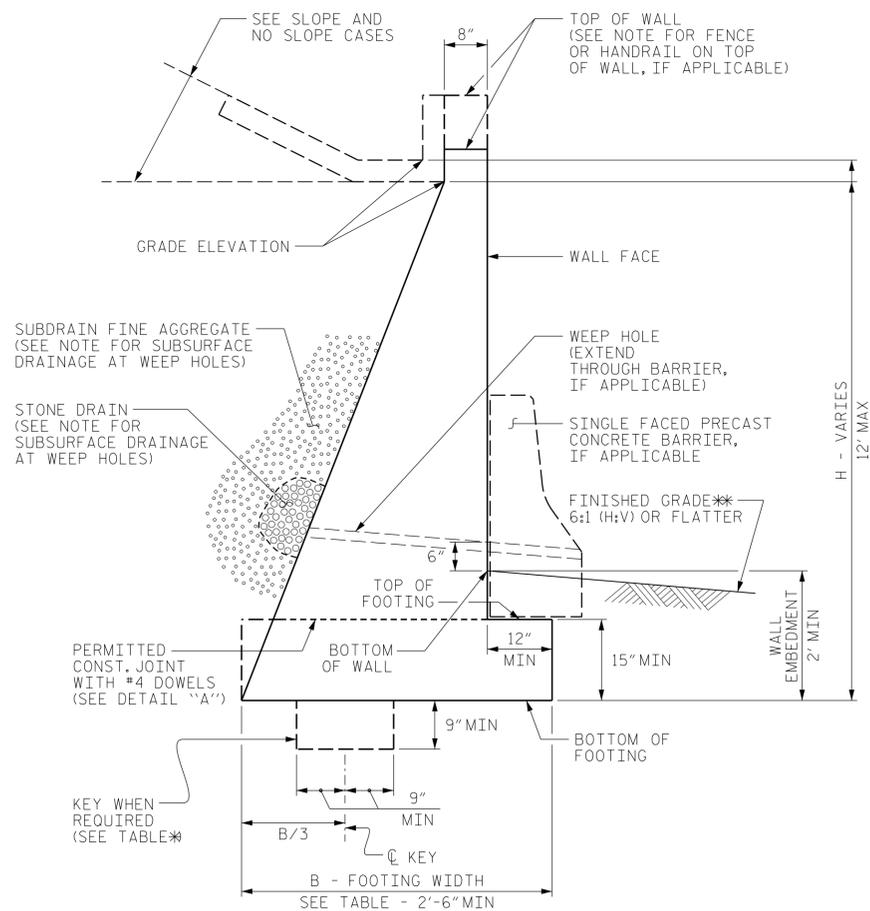
NO SLOPE CASE

**SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.



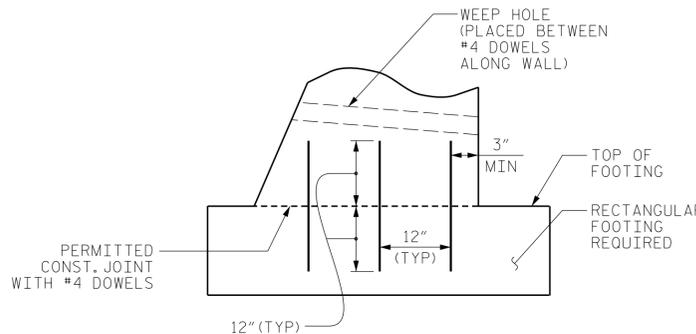
BRICK VENEER DETAIL

(WHEN APPLICABLE)



STANDARD CIP GRAVITY WALL

**SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.



DETAIL "A"

| H (FT) | 3 - < 6 | 6 - 9 | > 9 - 12 |
|---|---------|-------|----------|
| SLOPE CASE | .66 | .70* | .75* |
| NO SLOPE CASE WITH TRAFFIC SURCHARGE | .80 | .75* | .70* |
| NO SLOPE CASE WITHOUT TRAFFIC SURCHARGE | .60 | .60 | .60 |

B/H RATIO (B = 2'-6" MIN)

*KEY IS REQUIRED FOR "SLOPE CASE" OR "NO SLOPE CASE WITH TRAFFIC SURCHARGE" WHEN H IS 6' OR GREATER.

NOTES:

FOR STANDARD CIP GRAVITY RETAINING WALLS, SEE SECTION 453 OF THE STANDARD SPECIFICATIONS.

FOR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.

FOR SINGLE FACED PRECAST CONCRETE BARRIER, SEE ROADWAY PLANS AND SECTION 857 OF THE STANDARD SPECIFICATIONS.

FOR FENCES OR HANDRAILS ON TOP OF WALLS, SEE ROADWAY PLANS FOR FENCE OR HANDRAIL ATTACHMENT DETAILS.

FOR SUBSURFACE DRAINAGE AT WEEP HOLES, SEE ARTICLE 414-8 OF THE STANDARD SPECIFICATIONS.

STANDARD CIP GRAVITY WALLS ARE BASED ON THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS:

- UNIT WEIGHT, $\gamma = 120$ PCF
- FRICITION ANGLE, $\phi = 35$ DEGREES (GROUNDWATER WITHIN 7' OF BOTTOM OF FOOTING)
- FRICITION ANGLE, $\phi = 30$ DEGREES (GROUNDWATER MORE THAN 7' BELOW BOTTOM OF FOOTING)
- COHESION, $c = 0$ PSF

DO NOT USE STANDARD CIP GRAVITY WALLS IF ASSUMED SOIL PARAMETERS ARE NOT APPLICABLE OR GROUNDWATER IS ABOVE BOTTOM OF FOOTING.

DO NOT USE STANDARD CIP GRAVITY WALLS WHEN VERY LOOSE OR SOFT SOIL OR MUCK IS BELOW WALLS.

BEFORE BEGINNING STANDARD CIP GRAVITY WALL CONSTRUCTION, SURVEY WALL LOCATIONS AND SUBMIT WALL PROFILE VIEWS (WALL ENVELOPES) FOR REVIEW. FOR WALL ENVELOPES, INCLUDE BOTTOM OF WALL, EXISTING GROUND AND GRADE ELEVATIONS AND OTHER ELEVATIONS AS NEEDED AT INTERVALS OF 25' OR LESS ALONG WALLS. DO NOT START WALL CONSTRUCTION UNTIL WALL ENVELOPES ARE ACCEPTED.

FOR BRICK VENEERS, SUBMIT BRICK SAMPLES FOR APPROVAL BEFORE BEGINNING STANDARD CIP GRAVITY WALL CONSTRUCTION.

DO NOT PLACE CONCRETE FOR FOOTINGS UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.

WHEN CONSTRUCTING STANDARD CIP GRAVITY WALLS WITH A CONSTRUCTION JOINT AS SHOWN IN DETAIL "A", PROVIDE A MINIMUM OF 3 EQUALLY SPACED #4 DOWELS AT INTERVALS OF 1'-6" ALONG WALLS.

PROJECT NO.: U-5008A
MECKLENBURG COUNTY
STATION: 10+86 -L-
SHEET 1 OF 1 WALL ID RWALL1


**NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**GEOTECHNICAL
ENGINEERING UNIT**

STANDARD DETAIL NO. 453.01

**STANDARD
CIP GRAVITY
RETAINING WALL**

SHEET NO.

DATE: 10-19-21

26-1

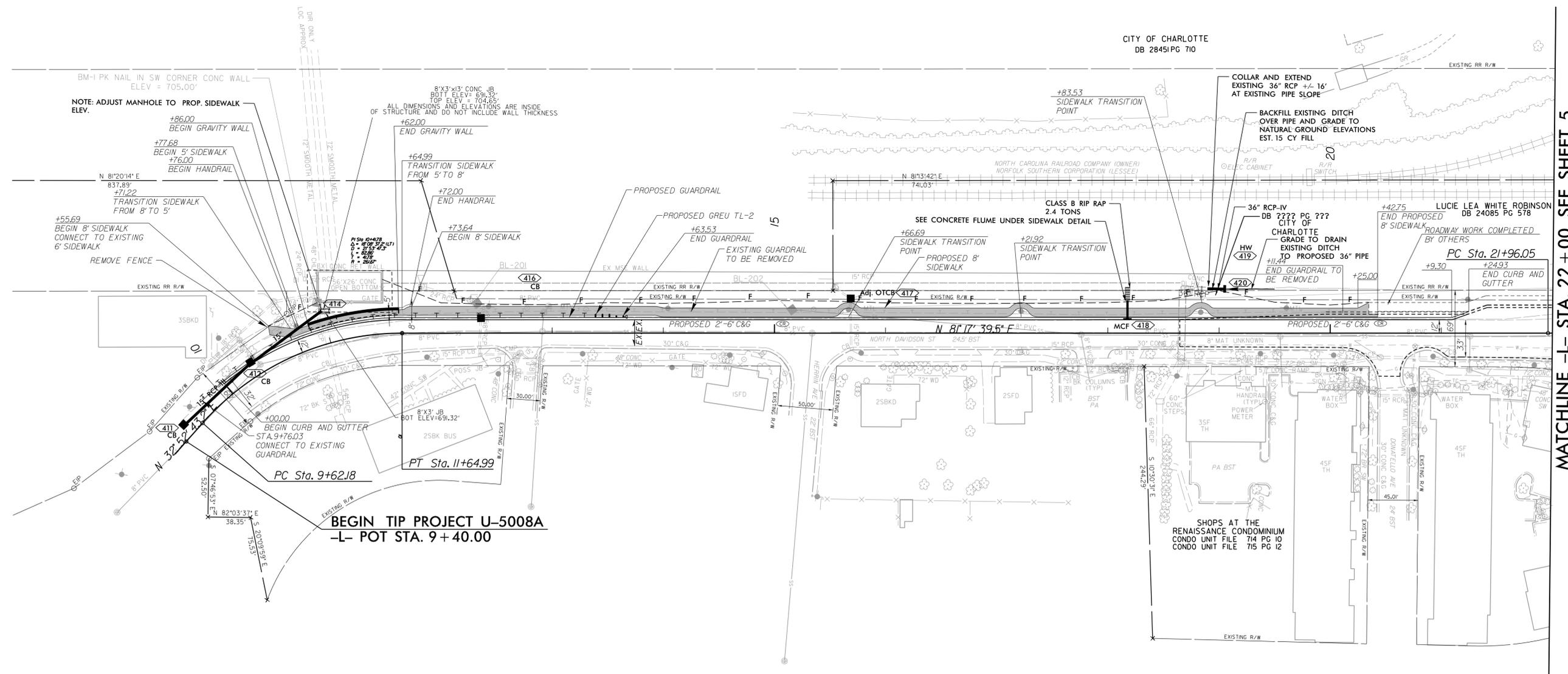
DCN 0500DEL_P30

5/14/99

-L-

PI Sta 10+70.08
 $\Delta = 48' 24" 56.3" (RT)$
 $D = 23' 52" 23.7"$
 $L = 202.80'$
 $T = 107.90'$
 $R = 240.00'$
 SE = EXIST
 R.O. = EXIST

| | |
|--|---------------------|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. 4 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



MATCHLINE -L- STA. 22 + 00 SEE SHEET 5

BEGIN TIP PROJECT U-5008A
 -L- POT STA. 9 + 40.00

PROPOSED 8' SIDEWALK

FOR -L- PROFILE SEE SHEET 7.
 FOR HANDRAIL DETAIL SEE SHEET 2B-1 AND 2B-2.
 FOR CONCRETE FLUME DETAIL SEE SHEET 2B-3.

5/30/2008
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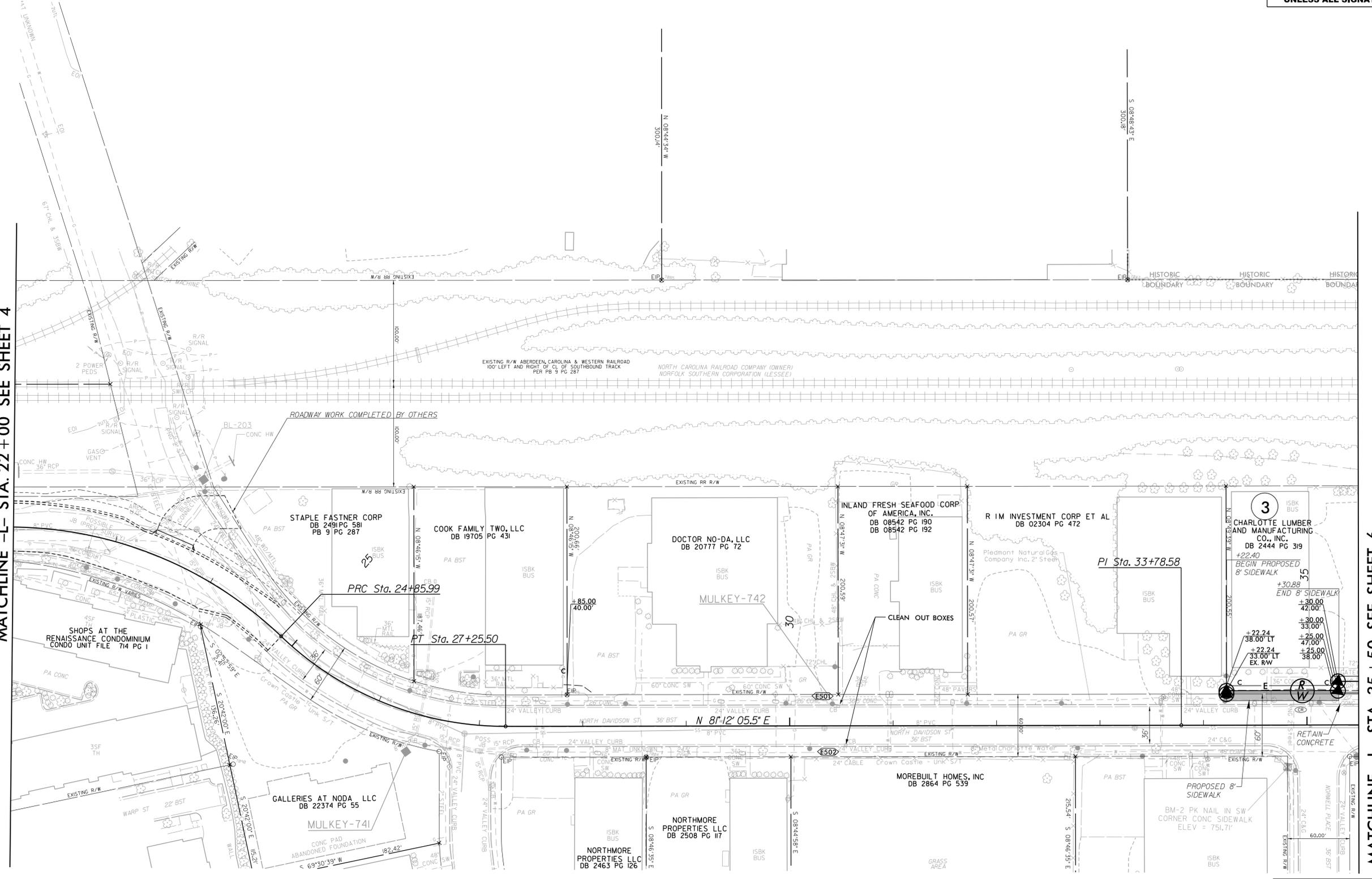
| -L- | -L- |
|------------------------------------|------------------------------------|
| PI Sta 23+48.49 | PI Sta 26+11.94 |
| $\Delta = 43^\circ 42' 57.3" (RT)$ | $\Delta = 43^\circ 49' 16.3" (LT)$ |
| $D = 15^\circ 04' 40.2"$ | $D = 18^\circ 17' 45.6"$ |
| $L = 289.93'$ | $L = 239.51'$ |
| $T = 152.44'$ | $T = 125.96'$ |
| $R = 380.00'$ | $R = 313.16'$ |
| SE = EXIST | SE = EXIST |
| R.O. = EXIST | R.O. = EXIST |



| | |
|--|-----------------------|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. 5 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

MATCHLINE -L- STA. 22+00 SEE SHEET 4

MATCHLINE -L- STA. 35+50 SEE SHEET 6



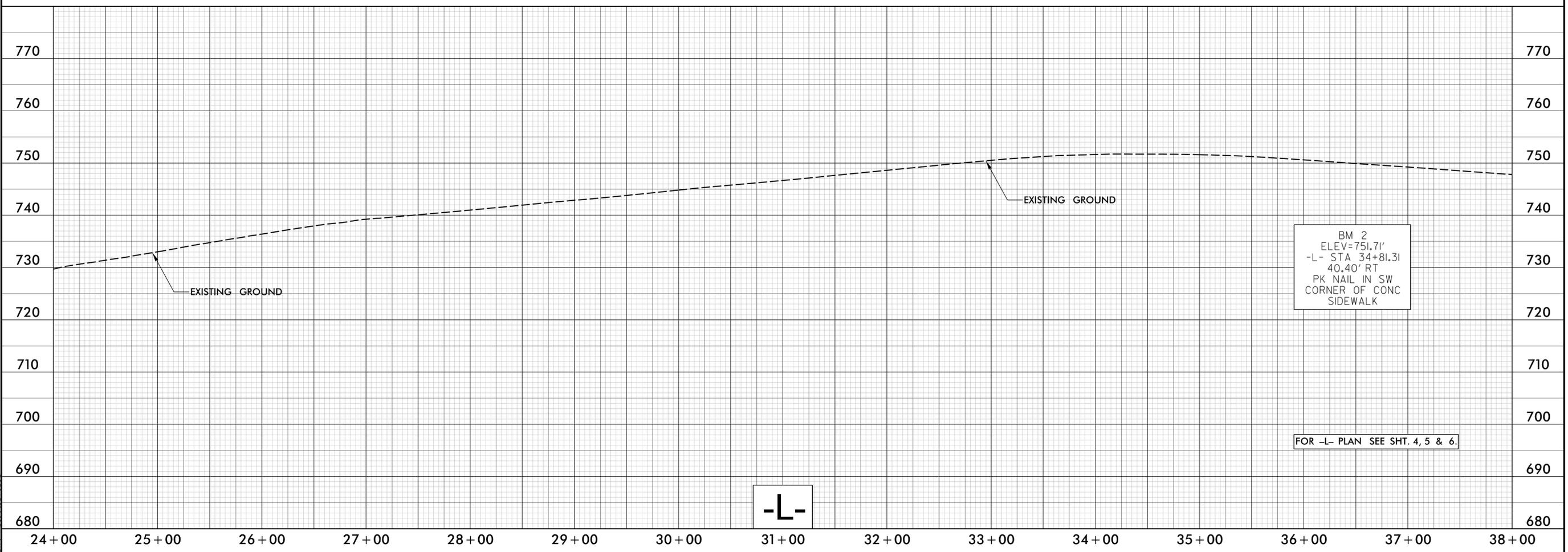
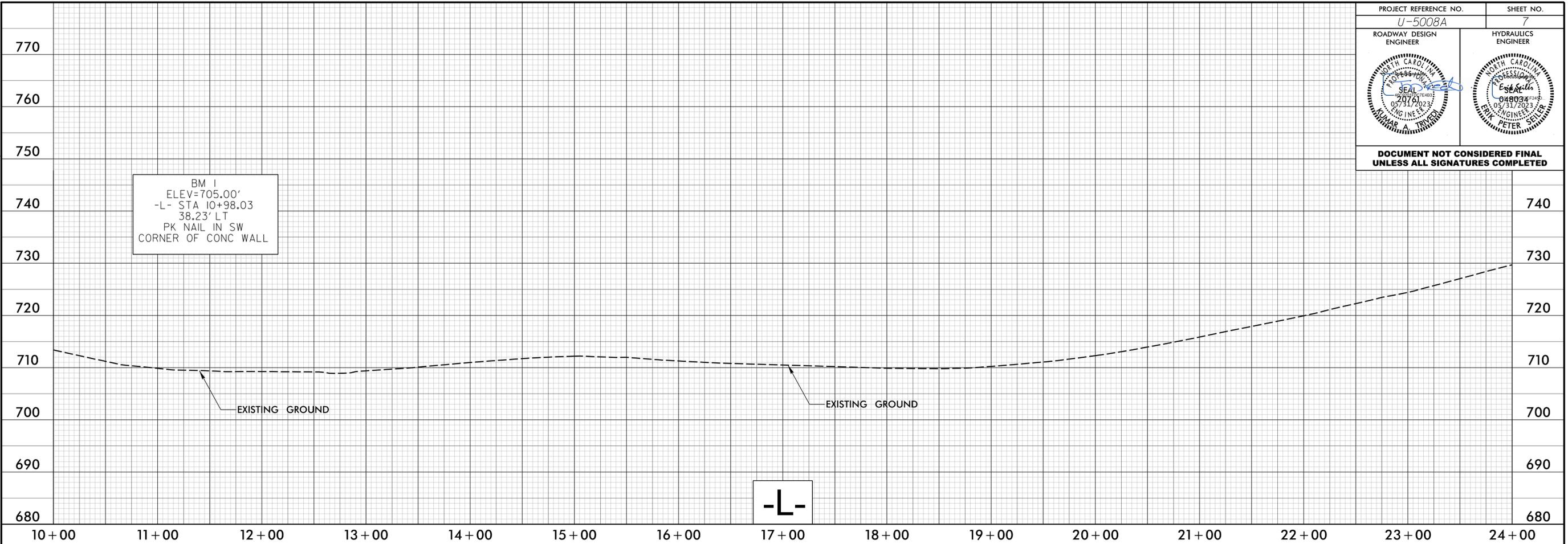
PROPOSED 8' SIDEWALK

FOR -L- PROFILE SEE SHEET 7

DCN 0500DEL_P30

5/28/99

| | |
|--|------------------------|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. 7 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



U-5008-Rdy-pl107.dgn

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09/08/19

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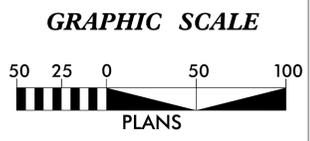
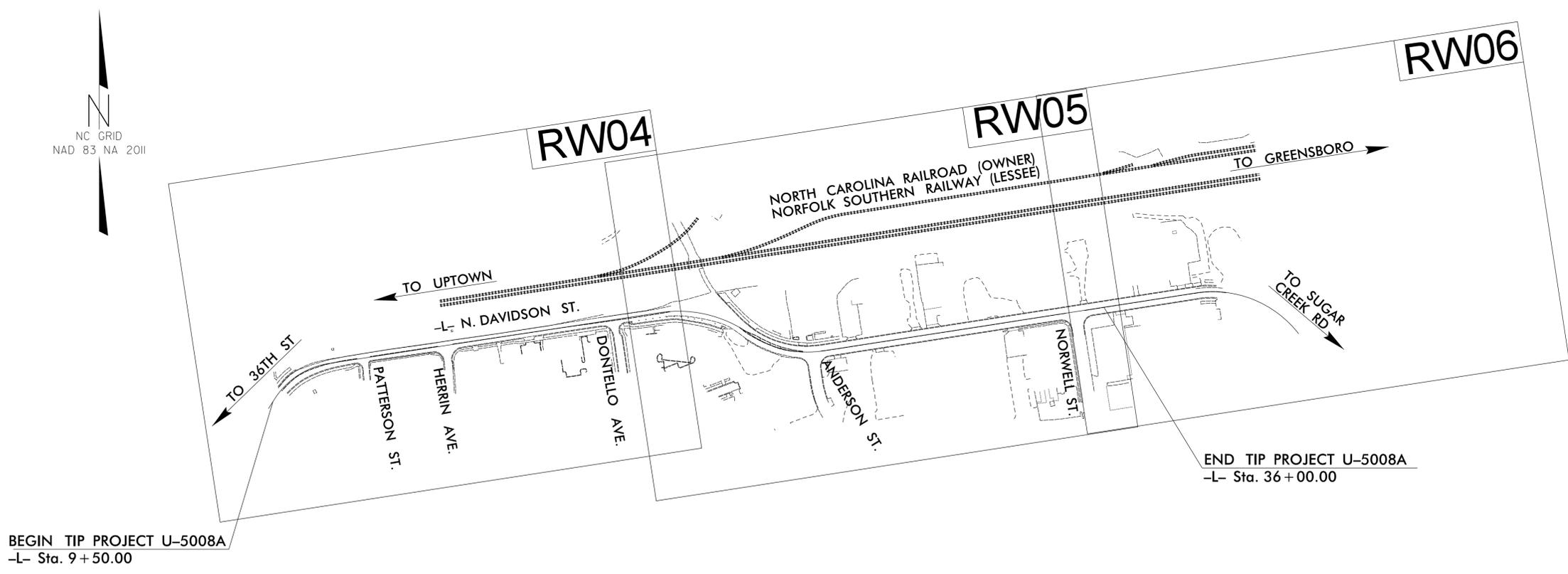
TIP PROJECT: U-5008A

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-------|-----------------------------|-----------|--------------|
| N.C. | U-5008A | RW01 | 09 |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

MECKLENBURG COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "P3414N-15" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 572,927.0137(ft) EASTING: 1,490,817.4654(ft) ELEVATION: 700.64(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998439800

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "P3414N-15" TO -L- STATION 10+00.00 IS S 47-40'19.06" W 33761.87(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

ESP ASSOCIATES, INC
3475 LAKEMONT BLVD
FT MILL, SC 29708

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
04/29/2022

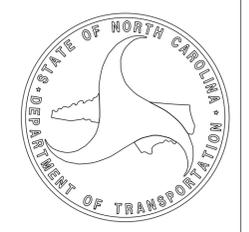
LETTING DATE:
01/18/2023

PROFESSIONAL LAND SURVEYOR

DocuSigned by:
Randy W Nance
E96E1A61233442D

DocuSigned by:
Randy W Nance
E96E1A61233442D

SIGNATURE: _____ Date: _____



0500DEL_P30

12/03/14

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| U-5008 | 1C-1 |
| Location and Surveys | |

SURVEY CONTROL SHEET



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "P3414N-15" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 572927.0137(ft) EASTING: 1490817.4654(ft) ELEVATION: 700.64(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998439800

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "P3414N-15" TO -L- STATION 10+00.00 IS
S 47°40'19.06" W 33761.870'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTES:

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT: [HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)

THE FILES TO BE FOUND ARE AS FOLLOWS:
U5008_LS_CONTROL.TXT
U5008_LS_LOCAL.TXT
2. SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
3. PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM, UTILIZING THE NCGS RTN SYSTEM (VRS).

MONUMENTS USED OR SET FOR PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT:
 - INDICATES GEODETIC CONTROL MONUMENTS FOR HORIZONTAL CONTROL
 - INDICATES BASELINE MONUMENTS FOR HORIZONTAL PROJECT CONTROL
 - ⊠ INDICATES BENCHMARKS FOR VERTICAL CONTROL
 - ⊕ INDICATES CONTROL POINT FROM CATS BLUE LINE PROJECT

CATS BLUE LINE PROJECT DATUM NOTE:

THE CATS BLUE LINE PROJECT USES A DIFFERENT COORDINATE SYSTEM /DATUM. FILES FROM THAT PROJECT CAN NOT BE USED IN CONJUNCTION WITH THIS PROJECT WITHOUT CONVERTING THE COORDINATES. TO CONVERT FROM CATS BLUE LINE DATUM TO U-5008 DATUM, TAKE THE FOLLOWING STEPS:

1. ROTATE ABOUT POINT "BLIREV-7" (aka MULKEY-7) 5 SECONDS COUNTERCLOCKWISE.
2. SHIFT PROJECT N -2.287 E -2.798 ELEV -0.04



NOTE: DRAWING NOT TO SCALE

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12/03/14

SURVEY CONTROL SHEET

-Final-

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| U-5008 | 1C-2 |
| Location and Surveys | |

| BL (SUGAR CREEK RD) | POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|---------------------|-------|---------|-------------|--------------|-----------|------------------------|----------|
| LS98 | | ME15 | 549683.6080 | 1466162.5590 | 782.28 | OUTSIDE PROJECT LIMITS | |
| LS7 | | BL-7 | 550257.9000 | 1465782.4460 | 754.30 | 10+93.70 | 34.62 LT |
| LS40 | | BL-40 | 551225.0820 | 1465259.1390 | 741.87 | 21+88.36 | 54.43 LT |
| LS5 | | U5008-5 | 551852.0820 | 1465123.3050 | 732.12 | 28+13.07 | 90.81 RT |
| LS4 | | U5008-4 | 552300.1950 | 1464828.1090 | 729.53 | 33+48.42 | 29.43 RT |
| LS9 | | BL-9 | 552828.3960 | 1464497.4260 | 715.29 | 39+67.82 | 39.14 LT |
| LS3 | | U5008-3 | 553254.3360 | 1464310.4540 | 702.19 | OUTSIDE PROJECT LIMITS | |
| LS41 | | BL-41 | 553739.3040 | 1464333.0740 | 720.63 | OUTSIDE PROJECT LIMITS | |

| BL (DAVIDSON ST) | POINT | DESC. | NORTH | EAST | ELEVATION | BL STATION | OFFSET |
|------------------|-------|------------------|-------------|--------------|-----------|------------|--------|
| 201 | | BL-201 | 550699.0600 | 1462295.0140 | 709.29 | 5+00.00 | 0.00 |
| 202 | | BL-202 | 550736.2260 | 1462576.0360 | 711.41 | 7+83.47 | 0.00 |
| 203 | | BL-203 | 550892.0270 | 1463430.1960 | 727.73 | 16+51.72 | 0.00 |
| 741 | | MULKEY-741 | 550662.3500 | 1463663.1700 | 738.23 | 19+78.87 | 0.00 |
| 742 | | MULKEY-742 (ESP) | 550773.4750 | 1464062.9840 | 745.19 | 23+93.84 | 0.00 |
| 2 | | U5008-2 | 550796.8920 | 1464572.4280 | 751.36 | 29+03.83 | 0.00 |

| BY1 | POINT | DESC. | NORTH | EAST | ELEVATION | Y1 STATION | OFFSET |
|------|-------|--------|-------------|--------------|-----------|------------------------|----------|
| LS10 | | BY1-10 | 550475.4000 | 1465398.2190 | 754.11 | 10+01.47 | 24.22 RT |
| LS11 | | BY1-11 | 550507.2850 | 1465609.8130 | 748.59 | 12+15.45 | 25.23 RT |
| LS27 | | BL-7 | 550257.9000 | 1465782.4460 | 754.30 | OUTSIDE PROJECT LIMITS | |

| BY2 | POINT | DESC. | NORTH | EAST | ELEVATION | Y2 STATION | OFFSET |
|------|-------|--------|-------------|--------------|-----------|------------------------|----------|
| LS37 | | BL-7 | 550257.9000 | 1465782.4460 | 754.30 | OUTSIDE PROJECT LIMITS | |
| LS12 | | BY2-12 | 550750.4130 | 1465604.3090 | 745.34 | 10+53.18 | 24.13 LT |
| LS13 | | BY2-13 | 550836.4060 | 1465855.7720 | 754.02 | 13+12.38 | 19.48 LT |
| LS14 | | BY2-14 | 550792.0200 | 1466511.9340 | 753.64 | OUTSIDE PROJECT LIMITS | |

| BY3 | POINT | DESC. | NORTH | EAST | ELEVATION | Y3 STATION | OFFSET |
|------|-------|---------|-------------|--------------|-----------|------------------------|----------|
| LS15 | | BY3-15 | 550789.1150 | 1462935.1460 | 709.22 | 8+82.69 | 18.96 LT |
| LS16 | | BY3-16 | 550860.4810 | 1463399.7470 | 727.36 | 13+38.86 | 47.43 LT |
| LS1 | | U5008-1 | 550734.2140 | 1463616.0350 | 735.61 | 15+81.82 | 22.34 LT |
| LS2 | | U5008-2 | 550796.8920 | 1464572.4280 | 751.36 | OUTSIDE PROJECT LIMITS | |
| LS18 | | BY3-18 | 550976.0330 | 1465321.2020 | 742.15 | OUTSIDE PROJECT LIMITS | |
| LS28 | | BL-8 | 551226.4580 | 1465274.9220 | 743.52 | OUTSIDE PROJECT LIMITS | |

| BY4 | POINT | DESC. | NORTH | EAST | ELEVATION | Y4 STATION | OFFSET |
|------|-------|--------|-------------|--------------|-----------|------------------------|-----------|
| LS38 | | BL-8 | 551226.4580 | 1465274.9220 | 743.52 | 13+85.60 | 126.56 LT |
| LS19 | | BY4-19 | 551104.4250 | 1465475.0100 | 746.09 | 15+65.03 | 24.20 RT |
| LS20 | | BY4-20 | 551205.9000 | 1465878.8570 | 750.41 | OUTSIDE PROJECT LIMITS | |
| LS21 | | BY4-21 | 551230.4430 | 1466514.7800 | 748.24 | OUTSIDE PROJECT LIMITS | |

| BY5 | POINT | DESC. | NORTH | EAST | ELEVATION | Y5 STATION | OFFSET |
|------|-------|---------|-------------|--------------|-----------|------------------------|----------|
| LS22 | | BY5-22 | 551601.3530 | 1464449.1120 | 734.21 | 8+43.78 | 24.00 LT |
| LS23 | | BY5-23 | 551645.7610 | 1465024.1500 | 733.09 | 13+69.86 | 87.80 RT |
| LS35 | | U5008-5 | 551852.0820 | 1465123.3050 | 732.12 | 15+97.33 | 24.55 LT |
| LS24 | | BY5-24 | 551916.4070 | 1465820.3110 | 733.31 | OUTSIDE PROJECT LIMITS | |
| LS6 | | U5008-6 | 552033.8730 | 1466592.5650 | 731.17 | OUTSIDE PROJECT LIMITS | |

| BY6 | POINT | DESC. | NORTH | EAST | ELEVATION | Y6 STATION | OFFSET |
|------|-------|--------|-------------|--------------|-----------|------------------------|----------|
| LS36 | | BY3-16 | 550860.4810 | 1463399.7470 | 727.36 | 7+70.97 | 18.90 LT |
| LS17 | | BY6-17 | 551426.3850 | 1463159.5260 | 716.07 | OUTSIDE PROJECT LIMITS | |

| ADDITIONAL_PTS | POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|----------------|-------|------------|-------------|--------------|-----------|------------------------|------------|
| LS90 | | P3414N-15 | 572927.0137 | 1490817.4654 | 700.64 | OUTSIDE PROJECT LIMITS | |
| LS99 | | M046 | 550896.0120 | 1469318.7890 | 759.50 | OUTSIDE PROJECT LIMITS | |
| M4 | | MULKEY-4 | 550913.8920 | 1462904.5880 | 722.41 | 30+07.32 | 2309.33 LT |
| M5 | | MULKEY-5 | 551002.2250 | 1463693.9280 | 729.26 | 27+29.36 | 1570.02 LT |
| M7 | | MULKEY-7 | 551302.6830 | 1465324.6550 | 742.95 | 22+35.95 | 35.34 RT |
| M18 | | MULKEY-118 | 553682.6940 | 1464097.3590 | 720.21 | OUTSIDE PROJECT LIMITS | |
| M738 | | MULKEY-738 | 550919.3610 | 1463468.5430 | 730.65 | 27+61.38 | 1808.01 LT |
| M741 | | MULKEY-741 | 550662.3500 | 1463663.1700 | 738.23 | 22+92.38 | 1744.70 LT |
| M742 | | MULKEY-742 | 550773.4750 | 1464062.9840 | 745.20 | 22+18.54 | 1332.75 LT |

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "P3414N-15" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 572927.0137(ft) EASTING: 1490817.4654(ft) ELEVATION: 700.64(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998439800

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "P3414N-15" TO L- STATION 10+00.00 IS S 47°40'19.06" W 33761.870'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES:

SEE SHEET 1C-1 FOR NOTES.

.....

BM1 ELEVATION = 757.66
N 550788 E 1466740
L STATION 10+85.00 1060 RIGHT
RR SPIKE IN BASE OF 21 IN SWEET GUM

.....

BM2 ELEVATION = 748.81
N 550758 E 1465611
L STATION 16+13.00 64 RIGHT
RR SPIKE IN BASE OF 22 IN OAK

.....

BM3 ELEVATION = 744.65
N 551189 E 1466759
L STATION 14+20.00 1275 RIGHT
RR SPIKE IN BASE OF 36 IN POPLAR

.....

BM4 ELEVATION = 753.73
N 550804 E 1464581
Y3REV STATION 8+79 25 RIGHT
FLANGE BOLT ON FIRE HYDRANT

.....

BM5 ELEVATION = 728.34
N 550903 E 1463281
Y3 STATION 12+35 81 LEFT
RR SPIKE IN BASE OF 15 IN WALNUT

.....

BM6 ELEVATION = 733.16
N 551579 E 1464596
Y5 STATION 9+85 21 RIGHT
RR SPIKE IN BASE OF 18 IN MAPLE

.....

BM7 ELEVATION = 733.81
N 551971 E 1465810
Y5 STATION 22+09.33
N 57+57'26.50" E DIST 91.90
RR SPIKE IN BASE OF 12 IN LOCUST

.....

BM8 ELEVATION = 732.71
N 551856 E 1464969
L STATION 28+89.00 44 LEFT
RR SPIKE IN BASE OF 18 IN MAPLE

.....

BM9 ELEVATION = 711.49
N 552962 E 1464523
L STATION 40+77.00 42 RIGHT
CHISELED SQUARE IN CONC LT POLE BASE (ABANDONED)

.....

901 ELEVATION = 705.00
N 550678 E 1462153
BL STATION 5+00.00
S 81+33'03.7" W DIST 144.06
PK NAIL IN SW CORNER CONC WALL

.....

902 ELEVATION = 751.71
N 550777 E 1464508
BL STATION 28+38.00 17 RIGHT
PK NAIL IN SIDEWALK

.....

| L | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 6+00.00 | 549838.2096 | 1466042.6850 |
| PC | 10+08.98 | 550200.5894 | 1465853.0982 |
| PT | 10+97.68 | 550278.4386 | 1465810.5940 |
| PC | 17+84.61 | 550875.4249 | 1465470.7669 |
| PT | 20+00.84 | 551070.4788 | 1465377.8789 |
| PC | 21+56.64 | 551215.6544 | 1465321.3385 |
| PT | 27+04.74 | 551713.8738 | 1465093.6155 |
| PC | 29+74.41 | 551952.3151 | 1464967.6400 |
| PT | 31+96.15 | 552150.2458 | 1464867.7011 |
| POT | 41+99.42 | 553054.0293 | 1464432.1311 |

| Y1 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 10+00.00 | 550499.1081 | 1465393.0430 |
| POT | 12+71.53 | 550540.8373 | 1465661.3490 |

| Y2 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 10+00.00 | 550704.8500 | 1465567.7763 |
| PC | 11+78.65 | 550785.6091 | 1465727.1297 |
| PT | 13+18.77 | 550816.9030 | 1465862.3167 |
| POT | 14+55.24 | 550814.9778 | 1465998.7716 |

| Y3 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 7+00.00 | 550742.7231 | 1462757.4284 |
| PC | 11+99.93 | 550818.3925 | 1463251.6014 |
| PRC | 14+89.87 | 550754.0094 | 1463527.1324 |
| PT | 17+29.38 | 550701.0374 | 1463754.7674 |
| POT | 22+00.00 | 550773.1195 | 1464219.8345 |

| Y3REV | | | |
|-------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 7+00.00 | 550800.9319 | 1464400.1600 |
| PC | 12+08.12 | 550878.7990 | 1464902.2737 |
| PRC | 15+64.32 | 550753.8140 | 1465218.1716 |
| PT | 19+08.43 | 550684.7730 | 1465528.1605 |
| POT | 19+52.92 | 550704.8847 | 1465567.8448 |

| Y4 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 10+00.00 | 550875.7757 | 1465021.8484 |
| PC | 10+21.72 | 550897.0217 | 1465026.3741 |
| PT | 13+24.17 | 551092.0874 | 1465233.2468 |
| POT | 19+20.12 | 551181.8181 | 1465822.4092 |

| Y5 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 8+00.00 | 551570.9287 | 1464409.5199 |
| PC | 12+48.42 | 551639.5913 | 1464852.6559 |
| PRC | 14+06.82 | 551731.1973 | 1464974.0264 |
| PT | 15+65.24 | 551822.8826 | 1465095.3843 |
| POT | 22+09.33 | 551922.0978 | 1465731.7816 |

| Y6 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 6+87.32 | 550794.0631 | 1463454.0092 |
| POT | 12+50.00 | 551297.5567 | 1463202.7971 |

| Y7 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 10+00.00 | 552396.5680 | 1464748.9885 |
| PC | 10+43.11 | 552403.1791 | 1464791.5886 |
| PT | 15+06.23 | 552287.6836 | 1465226.5530 |
| PC | 16+20.61 | 552216.3861 | 1465315.9860 |
| PT | 18+06.35 | 552059.4472 | 1465407.1552 |
| POT | 19+92.06 | 551875.9519 | 1465435.7877 |

| Y8 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 10+00.00 | 552322.4841 | 1464271.6151 |
| POT | 14+83.09 | 552396.5680 | 1464748.9885 |

| DR1 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 10+00.00 | 552253.1874 | 1464782.1094 |
| POT | 10+62.09 | 552226.2289 | 1464726.1720 |

| DR2 | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 9+66.61 | 552179.6723 | 1464853.5193 |
| POT | 10+00.00 | 552164.3551 | 1464823.8506 |
| PC | 10+18.37 | 552155.9302 | 1464807.5318 |
| PT | 10+83.92 | 552105.7724 | 1464768.5535 |
| POT | 11+04.07 | 552086.1420 | 1464764.0183 |

| PED | | | |
|------|----------|-------------|--------------|
| TYPE | STATION | NORTH | EAST |
| POT | 9+48.39 | 550829.8564 | 1465496.7062 |
| PC | 10+10.44 | 550807.7577 | 1465438.7259 |
| PT | 10+36.11 | 550814.3199 | 1465415.6984 |

0500DEL_P30

12/03/14

SURVEY CONTROL SHEET

-Final-

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|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| U-5008 | 1C-3 |
| Location and Surveys | |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| L | 10+19.27 | -50.00 | 550186.3383 | 1465804.1012 |
| L | 10+19.27 | -33.62 | 550193.9930 | 1465818.5870 |
| L | 10+50.00 | 35.85 | 550253.9203 | 1465865.2760 |
| L | 10+50.00 | 50.00 | 550260.6827 | 1465877.7011 |
| L | 10+97.68 | -50.00 | 550253.7034 | 1465767.1409 |
| L | 10+97.68 | 50.00 | 550303.1737 | 1465854.0471 |
| L | 11+36.95 | 50.00 | 550337.3019 | 1465834.6201 |
| L | 11+86.95 | 50.00 | 550380.7551 | 1465809.8849 |
| L | 12+80.78 | 50.00 | 550462.3036 | 1465763.4644 |
| L | 12+80.79 | 55.00 | 550464.7860 | 1465767.8047 |
| L | 13+10.00 | -55.00 | 550435.7506 | 1465657.7595 |
| L | 13+10.00 | -50.00 | 550438.2241 | 1465662.1048 |
| L | 13+87.05 | -55.00 | 550502.7086 | 1465619.6444 |
| L | 15+53.67 | 55.00 | 550701.9342 | 1465632.8109 |
| L | 16+19.80 | 47.50 | 550755.6931 | 1465593.5794 |
| L | 16+40.60 | 40.09 | 550770.1015 | 1465576.8457 |
| L | 28+39.25 | -55.00 | 551807.1166 | 1464982.1483 |
| L | 28+74.04 | 55.00 | 551889.2611 | 1465063.1576 |
| L | 29+74.41 | -55.00 | 551926.6224 | 1464919.0099 |
| L | 29+74.41 | 55.00 | 551978.0078 | 1465016.2701 |
| L | 31+96.15 | -55.00 | 552126.3675 | 1464818.1549 |
| L | 31+96.15 | 55.00 | 552174.1242 | 1464917.2473 |
| L | 34+15.13 | 55.00 | 552371.3813 | 1464822.1811 |
| L | 34+89.96 | 55.00 | 552438.7985 | 1464789.6900 |
| L | 35+50.00 | -55.00 | 552445.1254 | 1464664.5326 |
| L | 39+00.43 | -55.00 | 552760.8094 | 1464512.3916 |
| L | 39+00.43 | -43.48 | 552765.8086 | 1464522.7648 |
| L | 39+00.43 | 36.52 | 552800.5442 | 1464594.8391 |
| L | 39+00.43 | 55.00 | 552808.5660 | 1464611.4840 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y1 | 10+04.09 | -28.99 | 550528.3811 | 1465392.6279 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y2 | 11+78.65 | 32.00 | 550757.0654 | 1465741.5955 |
| Y2 | 11+81.18 | 16.22 | 550772.2129 | 1465736.5973 |
| Y2 | 11+03.12 | -29.10 | 550777.4290 | 1465646.6060 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y3 | 14+17.85 | 39.09 | 550753.8349 | 1463448.6038 |
| Y3 | 14+19.08 | 41.24 | 550751.4280 | 1463448.7250 |
| Y3 | 14+23.38 | 45.00 | 550746.4198 | 1463450.6174 |
| Y3 | 14+40.48 | -40.00 | 550815.1009 | 1463503.4632 |
| Y3 | 14+89.87 | 40.00 | 550721.2476 | 1463504.1833 |
| Y3 | 14+89.87 | 45.00 | 550717.1522 | 1463501.3149 |
| Y3 | 14+89.87 | -40.00 | 550786.7716 | 1463550.0811 |
| Y3 | 16+72.04 | 40.00 | 550657.4943 | 1463696.4411 |
| Y3 | 17+25.61 | 40.00 | 550660.8834 | 1463756.6881 |
| Y3 | 17+29.34 | 40.00 | 550661.5038 | 1463760.8585 |
| Y3 | 17+29.34 | -40.00 | 550740.5606 | 1463748.6099 |
| Y3 | 19+67.74 | 40.00 | 550698.0171 | 1463996.4383 |
| Y3 | 19+67.74 | -40.00 | 550777.0731 | 1463984.1852 |
| Y3 | 19+67.74 | 29.79 | 550708.1038 | 1463994.8749 |
| Y3 | 19+67.74 | -30.20 | 550767.3914 | 1463985.6858 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y3REV | 10+00.00 | 40.00 | 550807.3785 | 1464702.7462 |
| Y3REV | 10+00.00 | 30.39 | 550816.8703 | 1464701.2743 |
| Y3REV | 10+00.00 | -40.00 | 550886.4335 | 1464690.4865 |
| Y3REV | 10+00.00 | -29.85 | 550876.4010 | 1464692.0423 |
| Y3REV | 12+08.12 | -40.00 | 550918.3266 | 1464896.1439 |
| Y3REV | 12+08.12 | 40.00 | 550839.2715 | 1464908.4036 |
| Y3REV | 12+86.93 | -40.00 | 550921.5337 | 1464984.0894 |
| Y3REV | 15+64.32 | 40.00 | 550729.1807 | 1465186.6565 |
| Y3REV | 17+59.47 | 40.00 | 550620.0974 | 1465378.4786 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y5 | 12+57.78 | -30.35 | 551670.9625 | 1464855.4703 |
| Y5 | 12+58.36 | -38.00 | 551678.5364 | 1464854.2967 |
| Y5 | 14+06.82 | -38.00 | 551747.0879 | 1464939.5084 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y7 | 15+06.23 | 35.50 | 552259.9251 | 1465204.4234 |
| Y7 | 15+06.23 | -35.50 | 552315.4421 | 1465248.6825 |
| Y7 | 16+20.61 | 35.50 | 552188.6276 | 1465293.8565 |
| Y7 | 16+20.61 | -35.50 | 552244.1446 | 1465338.1156 |
| Y7 | 18+06.35 | 35.50 | 552053.9741 | 1465372.0796 |
| Y7 | 18+06.35 | -35.50 | 552064.9204 | 1465442.2307 |
| Y7 | 19+21.50 | 35.50 | 551940.1985 | 1465389.8331 |
| Y7 | 19+21.51 | -35.50 | 551951.1372 | 1465459.9854 |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y8 | 11+19.13 | 40.00 | 552301.2261 | 1464395.4679 |
| Y8 | 11+19.13 | 27.56 | 552313.5169 | 1464393.5605 |
| Y8 | 13+75.00 | -30.39 | 552410.0227 | 1464637.5188 |
| Y8 | 14+37.76 | 40.00 | 552350.0903 | 1464710.3338 |

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "P3414N-15" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 572927.0137(ft) EASTING: 1490817.4654(ft) ELEVATION: 700.64(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998439800 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "P3414N-15" TO -L- STATION 10+00.00 IS S 47°40'19.06" W 33761.870' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES:

SEE SHEET 1C-1 FOR NOTES.

25-MAY-2023 13:45 E:\Projects\NCDOT\2022\Archive\JM01155\5008e.con.esp\Location\FW_Sheets\5008_1s_1C-3.dgn ppe-tr-ucel AT ESP20061517

0500DEL_P30

12/03/14

SURVEY CONTROL SHEET

-Final-

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| U-5008 | 1C-4 |
| Location and Surveys | |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| L | 8+18.17 | -40.05 | 550012.9535 | 1465906.0629 |
| L | 8+18.17 | -59.57 | 550003.9047 | 1465888.7669 |
| L | 8+38.17 | -59.57 | 550021.6259 | 1465879.4956 |
| L | 8+38.17 | -40.10 | 550030.6513 | 1465896.7469 |
| L | 10+49.18 | 59.45 | 550264.4639 | 1465886.4027 |
| L | 11+36.97 | 62.09 | 550343.3047 | 1465845.1156 |
| L | 11+86.98 | 63.84 | 550387.6265 | 1465821.8992 |
| L | 13+18.00 | 50.27 | 550494.7815 | 1465745.2877 |
| L | 13+18.00 | 68.42 | 550503.7627 | 1465761.0653 |
| L | 13+38.00 | 50.82 | 550512.4337 | 1465735.8718 |
| L | 13+38.00 | 69.12 | 550521.4892 | 1465751.7799 |
| L | 13+59.12 | -49.38 | 550481.2178 | 1465638.3419 |
| L | 18+41.46 | 46.57 | 550946.8273 | 1465484.9237 |
| L | 18+41.46 | 58.89 | 550952.5050 | 1465495.8540 |
| L | 18+62.11 | 46.04 | 550964.4028 | 1465475.3552 |
| L | 18+62.11 | 58.77 | 550970.1123 | 1465486.7320 |
| L | 23+38.21 | 44.79 | 551401.3799 | 1465293.3394 |
| L | 23+38.21 | 50.55 | 551403.6731 | 1465298.6245 |
| L | 23+46.42 | -94.56 | 551353.2905 | 1465162.2906 |
| L | 23+77.29 | -72.50 | 551389.9380 | 1465170.2811 |
| L | 23+80.88 | -85.51 | 551387.8809 | 1465156.9521 |
| L | 23+97.73 | 44.79 | 551456.3448 | 1465269.0831 |
| L | 23+97.73 | 66.65 | 551465.2947 | 1465289.0275 |
| L | 24+72.56 | -74.32 | 551474.5474 | 1465129.7227 |
| L | 24+72.56 | -62.70 | 551479.4712 | 1465140.2502 |
| L | 24+86.24 | -46.29 | 551498.6873 | 1465149.3573 |
| L | 24+86.24 | -62.93 | 551491.5953 | 1465134.3065 |
| L | 28+73.12 | 57.66 | 551889.6947 | 1465065.9389 |
| L | 28+93.44 | -59.79 | 551852.7893 | 1464952.5987 |
| L | 28+93.44 | -69.79 | 551848.1179 | 1464943.7569 |
| L | 29+13.44 | -69.79 | 551865.8016 | 1464934.4141 |
| L | 29+13.44 | -59.79 | 551870.4730 | 1464943.2560 |
| L | 29+44.55 | 67.34 | 551957.3699 | 1465041.1344 |
| L | 30+18.08 | 181.95 | 552074.8238 | 1465108.8735 |
| L | 30+22.97 | 168.28 | 552072.7420 | 1465094.5482 |
| L | 30+42.28 | 206.04 | 552106.6871 | 1465119.5278 |
| L | 30+52.18 | 178.03 | 552102.4300 | 1465090.2338 |
| L | 32+45.64 | -83.55 | 552158.5503 | 1464770.9513 |
| L | 32+60.41 | 67.17 | 552237.2917 | 1464900.3109 |
| L | 32+60.83 | 51.77 | 552230.9861 | 1464886.2620 |
| L | 32+65.55 | -69.03 | 552182.7955 | 1464775.3884 |
| L | 32+65.70 | -60.98 | 552186.4166 | 1464782.5785 |
| L | 32+70.73 | 80.74 | 552252.4790 | 1464908.0590 |
| L | 32+86.81 | 87.27 | 552269.8028 | 1464906.9630 |
| L | 38+06.58 | 76.02 | 552733.1432 | 1464671.1665 |
| L | 39+81.16 | -50.90 | 552835.3144 | 1464481.0383 |
| L | 39+81.16 | -44.62 | 552838.0393 | 1464486.6922 |
| L | 39+83.58 | -50.90 | 552837.4904 | 1464479.9897 |
| L | 39+83.58 | -44.66 | 552840.2005 | 1464485.6129 |
| L | 39+86.92 | 43.16 | 552881.3386 | 1464563.2705 |
| L | 39+86.92 | 35.31 | 552877.9277 | 1464556.1931 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y1 | 10+85.81 | 41.07 | 550471.7113 | 1465484.1424 |
| Y1 | 10+85.82 | 30.92 | 550481.7400 | 1465482.6000 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y2 | 10+78.34 | 31.23 | 550712.4071 | 1465651.7743 |
| Y2 | 12+73.29 | -52.67 | 550866.1149 | 1465809.4861 |
| Y2 | 12+97.83 | -60.80 | 550877.1392 | 1465837.8550 |
| Y2 | 13+02.74 | -23.80 | 550840.4650 | 1465845.3101 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y3REV | 13+90.60 | 36.61 | 550823.7208 | 1465067.3529 |
| Y3REV | 14+10.58 | 63.00 | 550792.6986 | 1465072.1471 |
| Y3REV | 16+32.90 | 63.00 | 550655.4175 | 1465229.9753 |
| Y3REV | 16+32.90 | 35.50 | 550677.5891 | 1465246.2439 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|--------------|
| Y4 | 17+53.87 | -270.64 | 551424.3389 | 1465617.3026 |
| Y4 | 17+54.71 | -71.39 | 551227.4891 | 1465648.1358 |
| Y4 | 17+54.95 | -15.84 | 551172.6059 | 1465656.7324 |
| Y4 | 17+83.93 | -270.75 | 551428.9783 | 1465647.0034 |
| Y4 | 17+84.73 | -71.50 | 551232.1223 | 1465677.7967 |
| Y4 | 17+84.92 | -23.01 | 551184.2110 | 1465685.2803 |
| Y4 | 17+92.16 | 14.26 | 551148.4540 | 1465698.0514 |
| Y4 | 17+99.35 | -15.72 | 551179.1755 | 1465700.6418 |
| Y4 | 18+46.54 | 41.74 | 551129.4762 | 1465755.9463 |
| Y4 | 18+75.23 | 14.48 | 551160.7453 | 1465780.2033 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|--------------|
| Y5 | 9+71.24 | 184.21 | 551415.1161 | 1464606.9505 |
| Y5 | 9+74.30 | -30.50 | 551627.7559 | 1464577.0950 |
| Y5 | 9+74.30 | -37.97 | 551635.1360 | 1464575.9536 |
| Y5 | 9+90.77 | -37.96 | 551637.6482 | 1464592.2263 |
| Y5 | 9+90.77 | -30.50 | 551630.2813 | 1464593.3657 |
| Y5 | 9+97.04 | 168.87 | 551434.2247 | 1464630.0927 |
| Y5 | 9+97.41 | 29.53 | 551571.9741 | 1464609.1237 |
| Y5 | 10+63.60 | 330.07 | 551285.1151 | 1464720.5513 |
| Y5 | 10+76.95 | 295.08 | 551321.7389 | 1464728.3879 |
| Y5 | 16+91.65 | -207.34 | 552047.2203 | 1465188.3483 |
| Y5 | 17+02.94 | -128.63 | 551971.1857 | 1465211.6267 |
| Y5 | 17+16.51 | -70.55 | 551915.8970 | 1465233.9807 |
| Y5 | 17+37.29 | -143.20 | 551990.8752 | 1465243.3226 |
| Y5 | 17+47.32 | -70.56 | 551920.6434 | 1465264.4208 |
| Y5 | 19+33.18 | 29.44 | 551850.4723 | 1465463.4708 |
| Y5 | 19+33.18 | 32.70 | 551847.2465 | 1465463.9738 |
| Y5 | 20+19.22 | 33.83 | 551859.3916 | 1465549.1589 |
| Y5 | 20+49.22 | 29.44 | 551868.3494 | 1465578.1216 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y7 | 10+59.53 | -59.24 | 552464.2382 | 1464800.4821 |
| Y7 | 11+00.00 | -40.00 | 552448.9806 | 1464846.0577 |
| Y7 | 11+00.00 | -58.59 | 552467.5422 | 1464845.0847 |
| Y7 | 11+11.46 | 61.48 | 552348.0688 | 1464861.5637 |
| Y7 | 13+43.10 | 38.48 | 552333.7793 | 1465071.7488 |
| Y7 | 14+00.00 | 34.50 | 552315.1057 | 1465121.6882 |
| Y7 | 14+00.00 | 51.00 | 552300.4959 | 1465114.0200 |
| Y7 | 14+17.08 | -57.00 | 552387.1246 | 1465180.7408 |
| Y7 | 14+17.08 | -34.50 | 552367.5302 | 1465169.6814 |
| Y7 | 14+23.72 | 51.00 | 552290.0761 | 1465132.8902 |
| Y7 | 14+23.72 | 34.50 | 552304.3482 | 1465141.1701 |
| Y7 | 14+35.27 | -57.00 | 552376.9925 | 1465198.0301 |
| Y7 | 14+35.27 | -34.50 | 552357.7676 | 1465186.3402 |
| Y7 | 14+76.66 | -65.07 | 552358.4441 | 1465240.7752 |
| Y7 | 16+34.67 | 34.50 | 552181.5932 | 1465303.7379 |
| Y7 | 16+34.67 | 46.00 | 552173.0181 | 1465296.0752 |
| Y7 | 16+57.96 | 46.00 | 552159.7110 | 1465309.6385 |
| Y7 | 16+57.96 | 34.50 | 552167.5360 | 1465318.0659 |
| Y7 | 16+74.69 | -59.30 | 552215.7317 | 1465400.3673 |
| Y7 | 17+54.71 | -34.50 | 552121.4806 | 1465426.2731 |
| Y7 | 18+29.38 | -45.23 | 552043.6610 | 1465455.3941 |

PERMANENT EASEMENT IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y8 | 12+77.10 | -31.18 | 552395.7859 | 1464540.6585 |
| Y8 | 12+77.10 | -54.61 | 552418.9472 | 1464537.0641 |
| Y8 | 12+85.15 | 34.91 | 552331.7179 | 1464558.7444 |
| Y8 | 12+88.17 | 67.66 | 552299.8167 | 1464566.7482 |
| Y8 | 13+07.61 | -58.16 | 552427.1325 | 1464566.6674 |
| Y8 | 13+07.61 | -30.93 | 552400.2226 | 1464570.8435 |
| Y8 | 13+14.75 | 67.38 | 552304.1643 | 1464592.9722 |
| Y8 | 13+15.29 | 51.05 | 552320.3852 | 1464591.0058 |

NOTES:

SEE SHEET 1C-1 FOR NOTES.

25-MAY-2023 13:45
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ppetrucal AP ESPZ061517

RIGHT OF WAY CONTROL SHEET

| | |
|--|----------------------|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. RW03E-1 |
| Location and Surveys | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| L | 31+72.11 | -33.09 | 550802.0539 | 1464191.0614 |
| L | 31+72.11 | -30.15 | 550799.1486 | 1464191.5090 |
| L | 33+78.57 | -33.00 | 550833.5421 | 1464395.1028 |
| L | 34+22.24 | -30.00 | 550837.2898 | 1464438.7081 |
| L | 34+22.24 | -33.00 | 550840.2335 | 1464438.2509 |
| L | 35+30.00 | -42.00 | 550865.6412 | 1464543.3595 |
| L | 35+30.00 | -33.00 | 550856.7475 | 1464544.7387 |
| L | 35+82.24 | -29.90 | 550861.6880 | 1464596.8370 |
| L | 35+82.24 | -42.00 | 550873.6480 | 1464594.9906 |

EXISTING EIP

EXISTING EIP

I, Anthony A. Edwards, PLS, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 01/12/23 to 01/13/23, 5/3/23, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of May, 2023.

DocuSigned by:
Anthony Edwards
28AE803F5B445B
Professional Land Surveyor L-5413



PERMANENT EASEMENT MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| L | 31+65.00 | -38.09 | 550805.9062 | 1464183.2714 |
| L | 31+65.00 | -30.16 | 550798.0648 | 1464184.4851 |
| L | 33+78.56 | -38.00 | 550838.4831 | 1464394.3366 |
| L | 35+25.00 | -38.00 | 550860.9222 | 1464539.0315 |
| L | 35+25.00 | -47.00 | 550869.8159 | 1464537.6523 |
| L | 35+90.00 | -47.00 | 550879.7769 | 1464601.8845 |
| L | 35+90.00 | -29.89 | 550862.8732 | 1464604.5059 |

MAG NAIL IN SW

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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 01/12/23 TO 01/13/23.

0500DEL_P30

REVISIONS

6/2/09

6/2/2023

0500DEL_P30

-L-

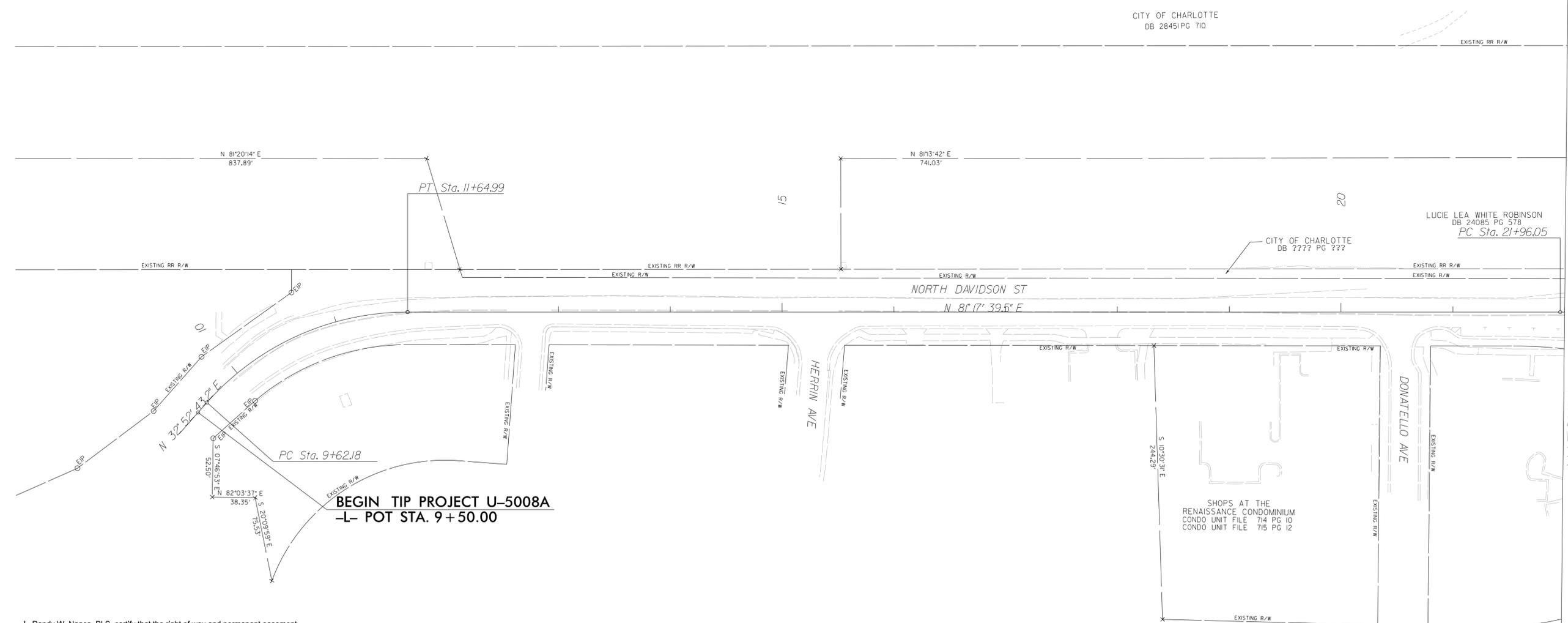
PI Sta 10+70.08
 $\Delta = 48^{\circ} 24' 56.3''$ (RT)
 $D = 23^{\circ} 52' 23.7''$
 $L = 202.80'$
 $T = 107.90'$
 $R = 240.00'$



| | |
|---|-------------------|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. RW04 |
| Location and Surveys | |
| ESP ASSOCIATES, INC 3475 LAKEMONT BLVD FT MILL, SC 29708 | |
| PROJECT SURVEYOR: RANDY W. NANCE | |
|  LICENSE NO. F-1407 | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

REVISIONS

MATCHLINE -L- STA. 22 + 00 SEE SHEET RW05



I, Randy W. Nance, PLS, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 01/12/23 to 01/13/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 25th day of May, 2023.

DocuSigned by:
Randy W Nance

Professional Land Surveyor L-4185

DocuSigned by:
Randy W Nance



NOTES:

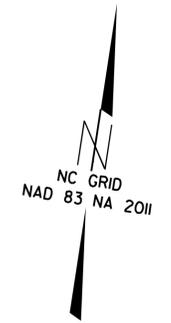
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 01/12/23 TO 01/13/23.

ES: MAY 2023 13:45
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6/2/2019

0500DEL_P30

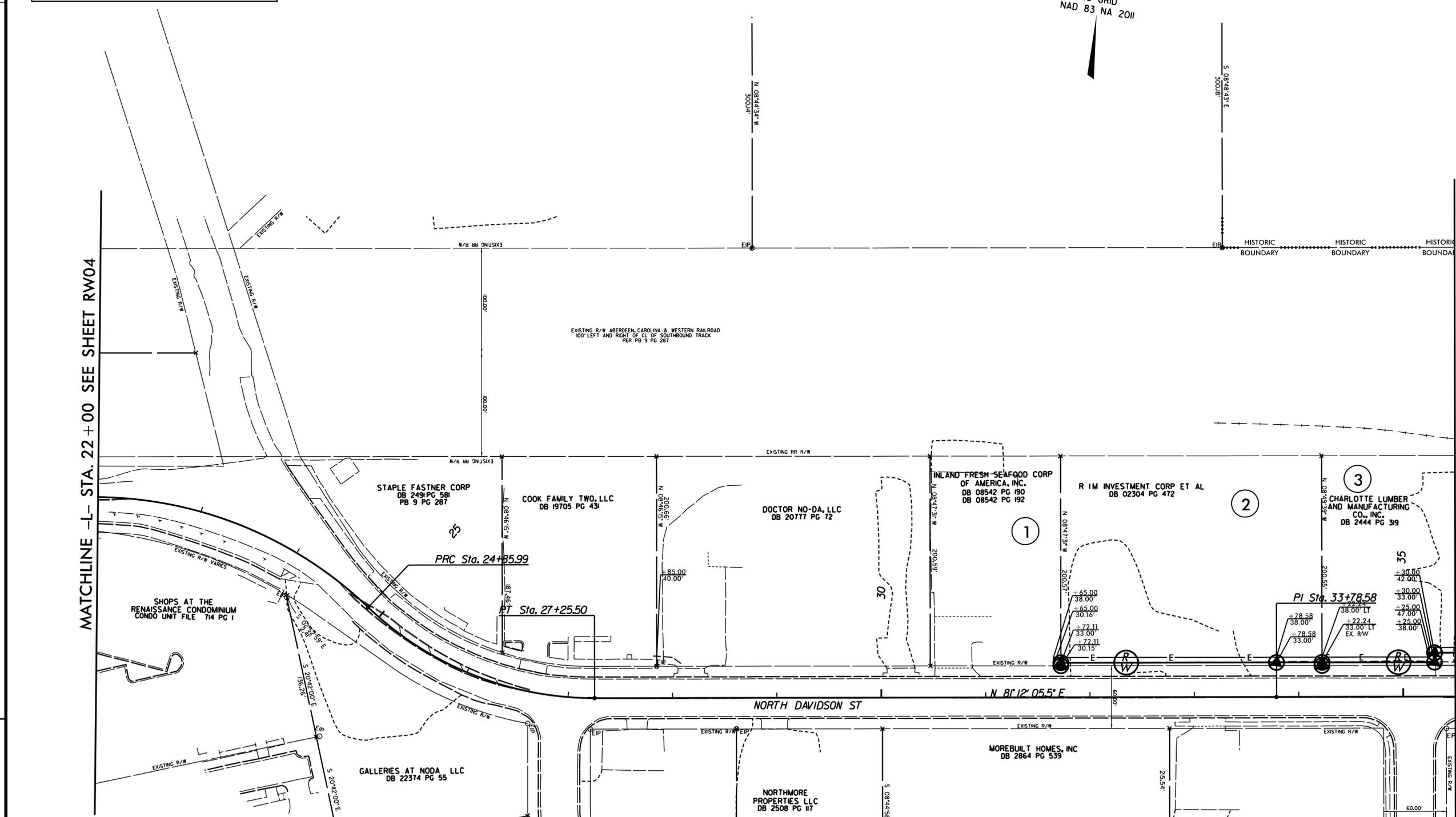
| -L- | -L- |
|------------------------------------|------------------------------------|
| PI Sta 23+48.49 | PI Sta 26+11.94 |
| $\Delta = 43^{\circ}42'57.3"$ (RT) | $\Delta = 43^{\circ}49'16.3"$ (LT) |
| D = 15'04'40.2" | D = 18'17'45.6" |
| L = 289.93' | L = 239.51' |
| T = 152.44' | T = 125.96' |
| R = 380.00' | R = 313.16' |



REVISIONS

MATCHLINE -L- STA. 22 + 00 SEE SHEET RW04

MATCHLINE -L- STA. 35 + 50 SEE SHEET RW06



I, Anthony A. Edwards, PLS, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 01/12/23 to 01/13/23, 5/3/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of May, 2023.

DocuSigned by:
Anthony Edwards
28AE989568445B
Professional Land Surveyor L-5413



NOTES:

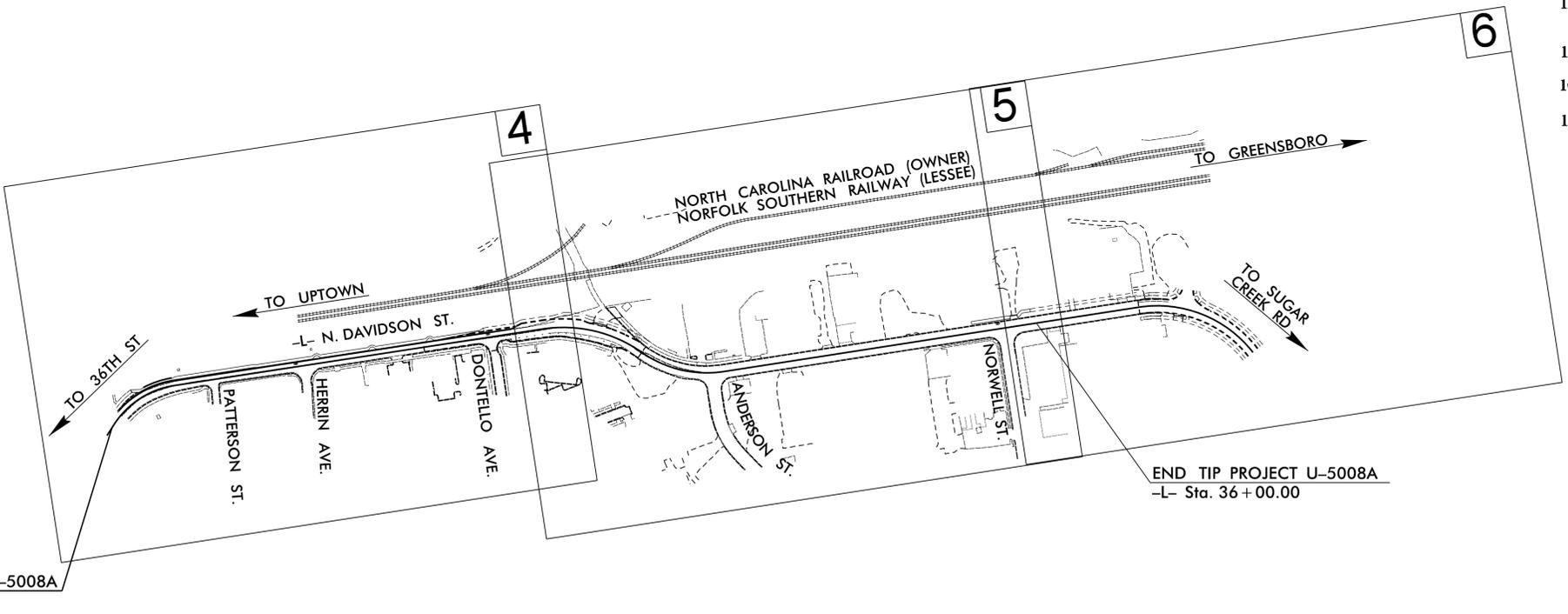
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 01/12/23 TO 01/13/23.

TIP PROJECT: U-5008A

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
MECKLENBURG COUNTY

LOCATION: N. DAVIDSON STREET SIDEWALK EXTENSION FROM
 37TH STREET TO BEARWOOD AVENUE IN CHARLOTTE

TYPE OF WORK: DRAINAGE, GRADING, PAVING, SIDEWALK



BEGIN TIP PROJECT U-5008A
 -L- Sta. 9+40.00

END TIP PROJECT U-5008A
 -L- Sta. 36+00.00

| | | | |
|-----------------|-----------------------------|-------------|--------------|
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | U-5008A | EC-1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| | | | |
| | | | |
| | | | |

EROSION AND SEDIMENT CONTROL MEASURES

| Std. # | Description | Symbol |
|---------|--|---------------------------------|
| 1630.03 | Temporary Silt Ditch | TSD |
| 1630.05 | Temporary Diversion | TD |
| 1605.01 | Temporary Silt Fence | III III III |
| 1606.01 | Special Sediment Control Fence | III III III |
| 1622.01 | Temporary Berms and Slope Drains | TBD |
| 1630.02 | Silt Basin Type B | Silt Basin Symbol |
| 1633.01 | Temporary Rock Silt Check Type-A | Rock Silt Check Symbol |
| | Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM) | Rock Silt Check with PAM Symbol |
| 1633.02 | Temporary Rock Silt Check Type-B | Rock Silt Check Symbol |
| | Wattle / Coir Fiber Wattle | Wattle Symbol |
| | Wattle / Coir Fiber Wattle with Polyacrylamide (PAM) | Wattle with PAM Symbol |
| 1634.01 | Temporary Rock Sediment Dam Type-A | Rock Sediment Dam Symbol |
| 1634.02 | Temporary Rock Sediment Dam Type-B | Rock Sediment Dam Symbol |
| 1635.01 | Rock Pipe Inlet Sediment Trap Type-A | Rock Pipe Inlet Symbol |
| 1635.02 | Rock Pipe Inlet Sediment Trap Type-B | Rock Pipe Inlet Symbol |
| 1630.04 | Stilling Basin | Stilling Basin Symbol |
| 1630.06 | Special Stilling Basin | Special Stilling Basin Symbol |
| | Rock Inlet Sediment Trap: | |
| 1632.01 | Type A | Type A Symbol |
| 1632.02 | Type B | Type B Symbol |
| 1632.03 | Type C | Type C Symbol |
| | Skimmer Basin | Skimmer Basin Symbol |
| | Tiered Skimmer Basin | Tiered Skimmer Basin Symbol |
| | Infiltration Basin | Infiltration Basin Symbol |

THIS PROJECT CONTAINS
 EROSION CONTROL PLANS
 FOR CLEARING AND
 GRUBBING PHASE OF
 CONSTRUCTION.

23-MAR-2023 16:47
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 1647.dwg
 1647.dwg

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
 ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611

2018 STANDARD SPECIFICATIONS

Designed by:
Noelle Ring 3456
 NAME LEVEL III CERTIFICATION NO.

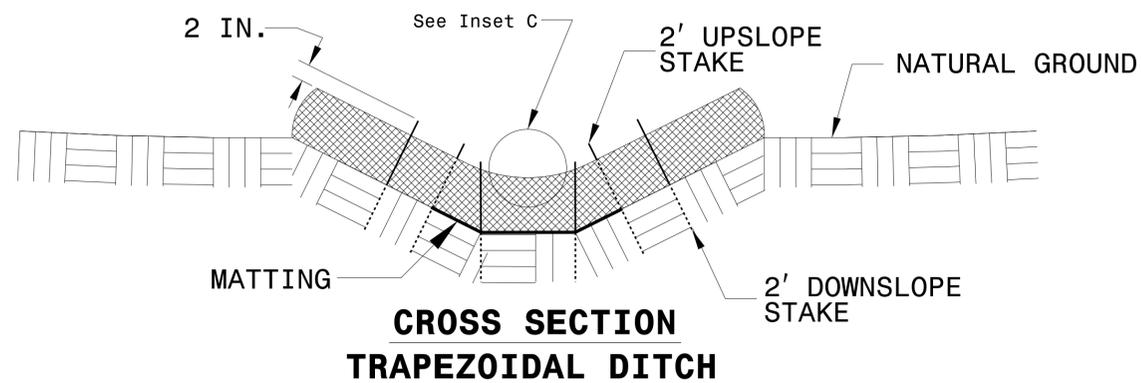
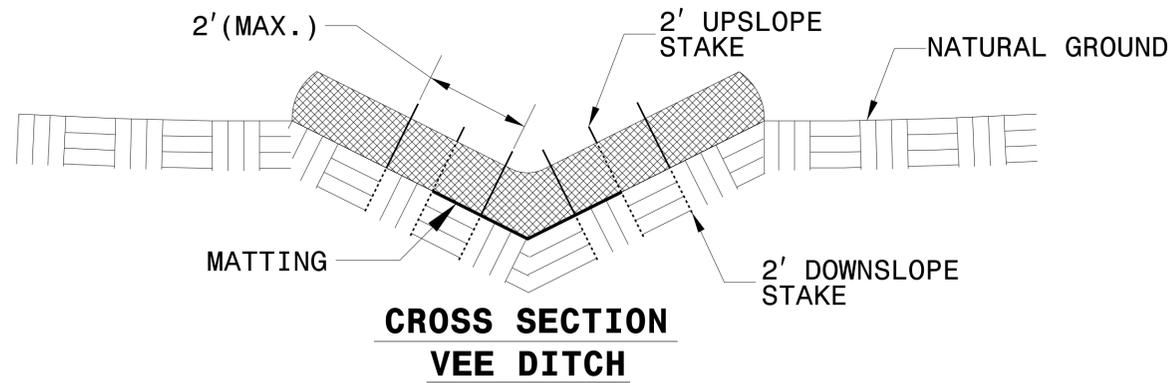
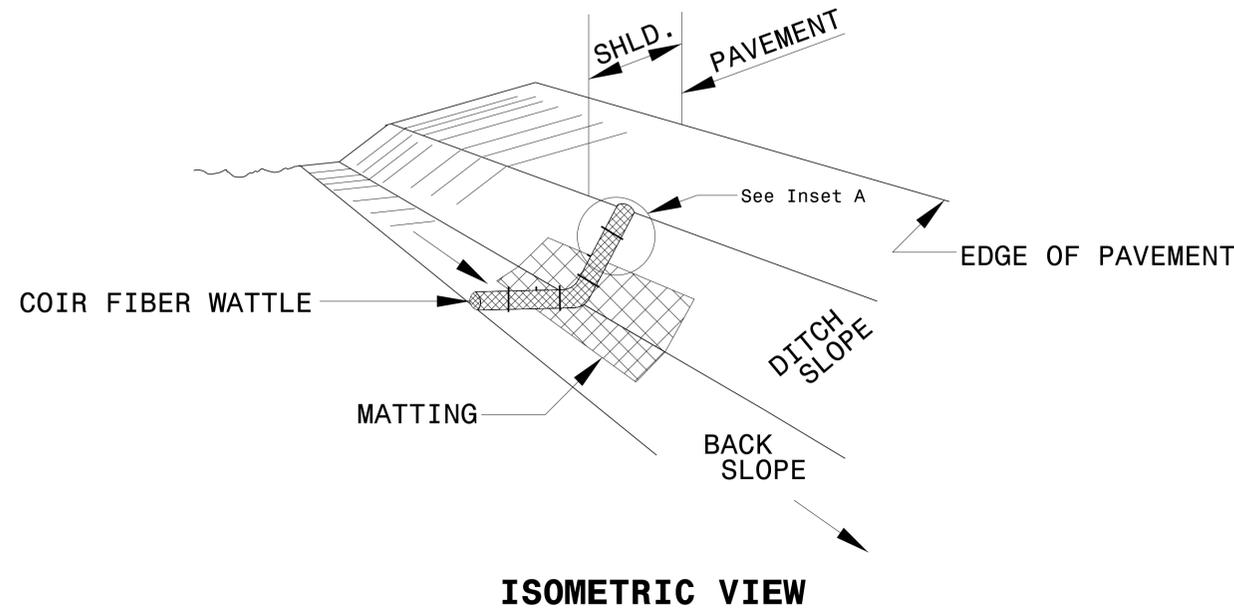
Roadway Standard Drawings

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 revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

| | |
|--|--|
| 1604.01 Railroad Erosion Control Detail | 1632.01 Rock Inlet Sediment Trap Type A |
| 1605.01 Temporary Silt Fence | 1632.02 Rock Inlet Sediment Trap Type B |
| 1606.01 Special Sediment Control Fence | 1632.03 Rock Inlet Sediment Trap Type C |
| 1607.01 Gravel Construction Entrance | 1633.01 Temporary Rock Silt Check Type A |
| 1622.01 Temporary Berms and Slope Drains | 1633.02 Temporary Rock Silt Check Type B |
| 1630.01 Riser Basin | 1634.01 Temporary Rock Sediment Dam Type A |
| 1630.02 Silt Basin Type B | 1634.02 Temporary Rock Sediment Dam Type B |
| 1630.03 Temporary Silt Ditch | 1635.01 Rock Pipe Inlet Sediment Trap Type A |
| 1630.04 Stilling Basin | 1635.02 Rock Pipe Inlet Sediment Trap Type B |
| 1630.05 Temporary Diversion | 1640.01 Coir Fiber Jaffle |
| 1630.06 Special Stilling Basin | 1645.01 Temporary Stream Crossing |
| 1631.01 Matting Installation | |

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

| | |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO. U-5008A | SHEET NO. EC-2 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |



NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

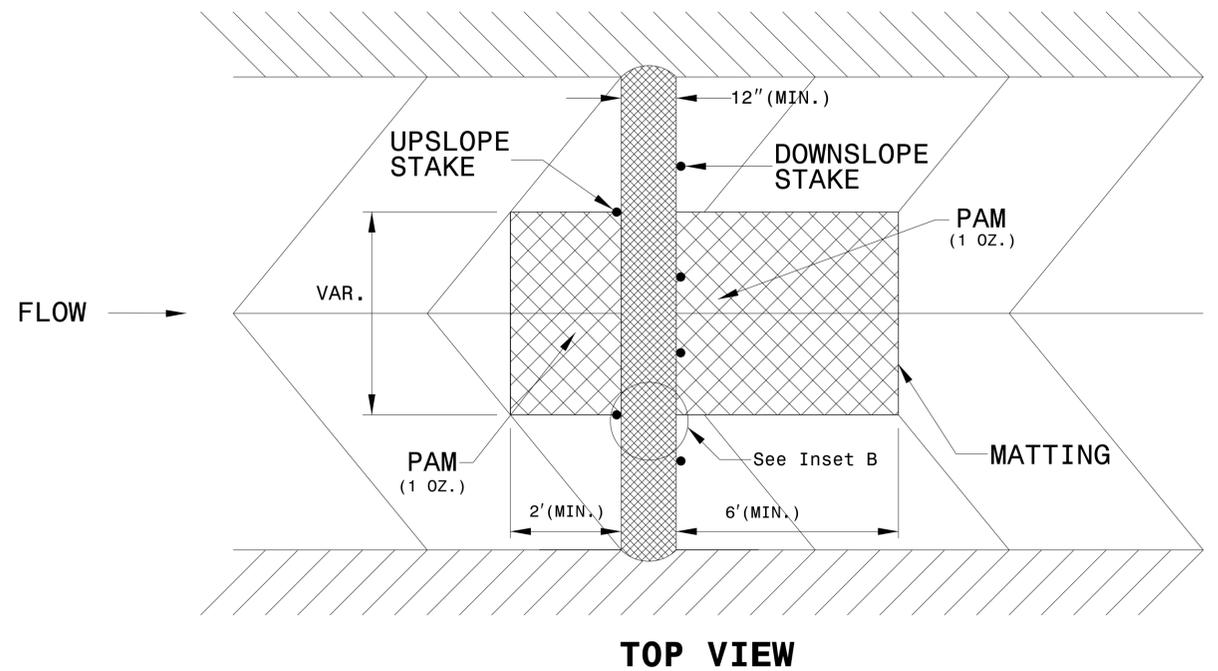
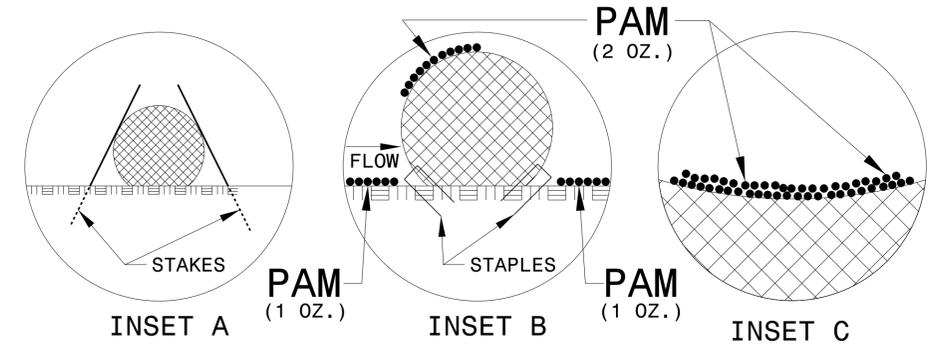
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

| | |
|---|--------------------------|
| PROJECT REFERENCE NO. <i>U-5008A</i> | SHEET NO. <i>EC-3</i> |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

SOIL STABILIZATION TIMEFRAMES

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

TIP PROJECT: U-5008A

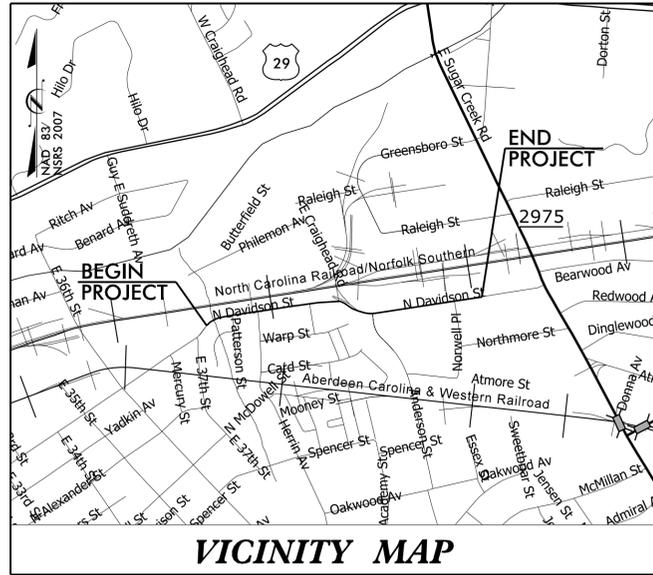
CONTRACT:

STATE OF NORTH CAROLINA
RAIL DIVISION



| | |
|------------|-----------|
| T.I.P. NO. | SHEET NO. |
| U-5008A | UO-01 |

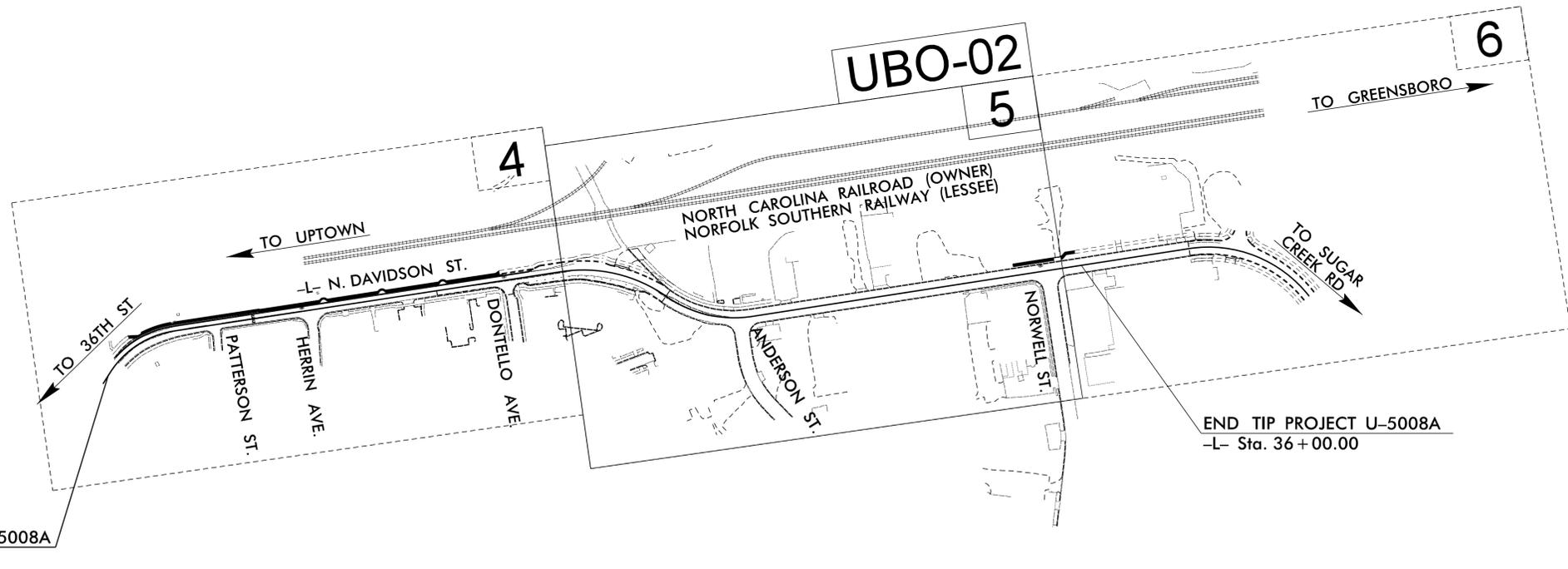
NOTE:
ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



UTILITIES BY OTHERS PLANS MECKLENBURG COUNTY

**LOCATION: N. DAVIDSON STREET SIDEWALK EXTENSIN FROM
37TH STREET TO BEARWOOD AVENUE IN CHARLOTTE**

TYPE OF WORK: UTILITIES BY OTHER

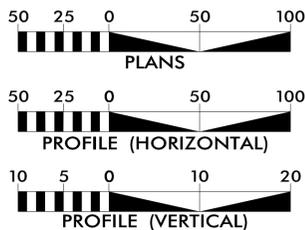


BEGIN TIP PROJECT U-5008A
-L- Sta. 9 + 40.00

END TIP PROJECT U-5008A
-L- Sta. 36 + 00.00

THIS PROJECT IS WITHIN MUNICIPAL BOUNDARIES OF CHARLOTTE

GRAPHIC SCALES



INDEX OF SHEETS

| SHEET NO.: | DESCRIPTION: |
|------------|----------------|
| UO-01 | TITLE SHEET |
| UO-02 | UBO PLAN SHEET |

UTILITY OWNERS WITH CONFLICTS

- (A) POWER DISTRIBUTION - DUKE ENERGY
- (B) COMMUNICATION - AT&T

PREPARED IN THE OFFICE OF:

M M
MOTT
MACDONALD
LICENSE NO. F-0669

FELTON PERRY PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS
UTILITIES UNIT - DIV. 10
716 W. MAIN ST.
ALBEMARLE, NC 28001
PHONE (704) 983-4400
FAX (704) 982-3146

LYNN BASINGER DIVISION UTILITY ENGINEER

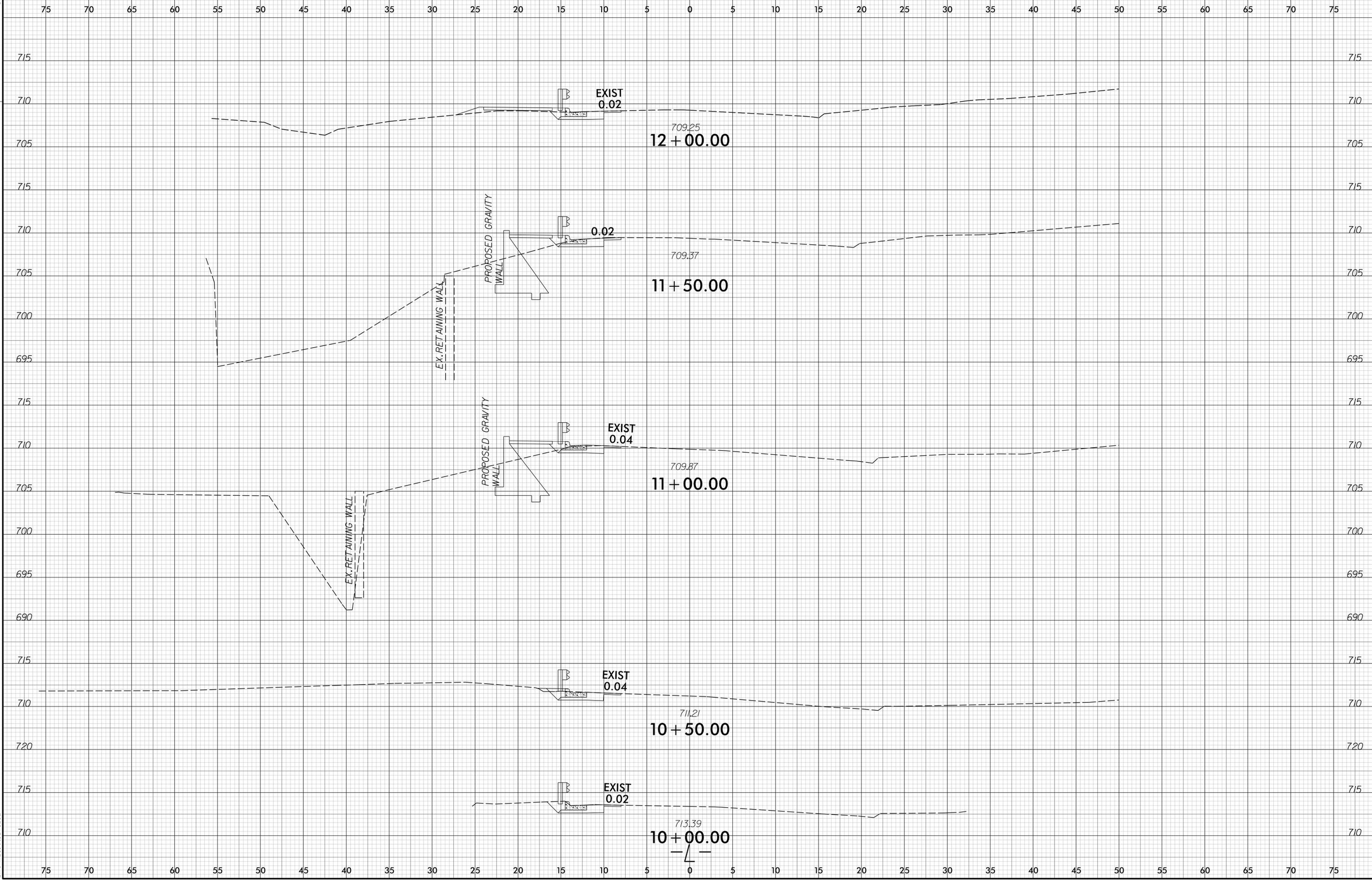
ADAM PRESLAR DIVISION UTILITY COORDINATOR

\$\$\$\$\$ SYSTEMS \$\$\$
\$\$\$\$\$ DGN \$\$\$
\$\$\$\$\$ USER NAME \$\$\$

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DCV

6/23/16

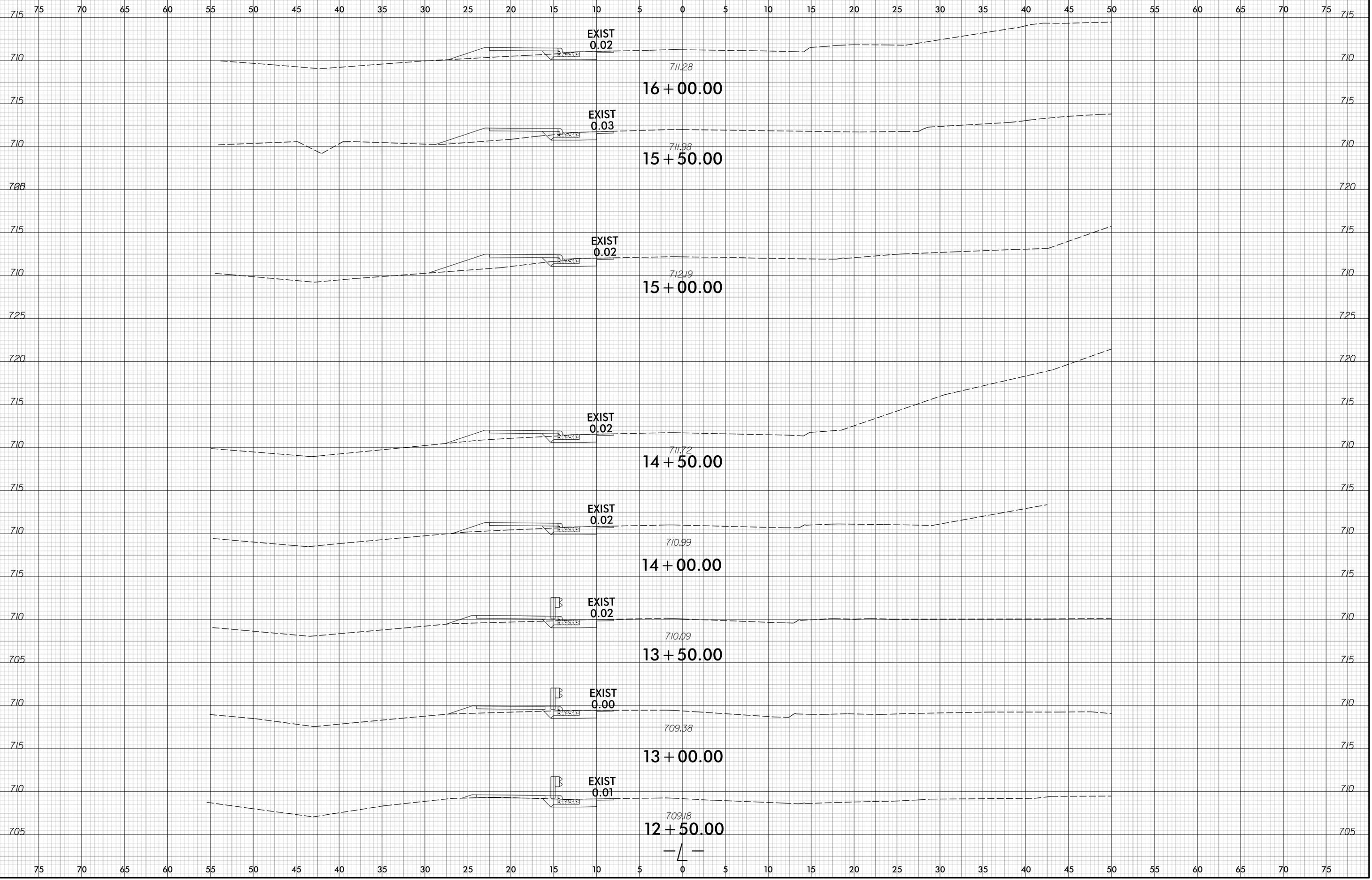
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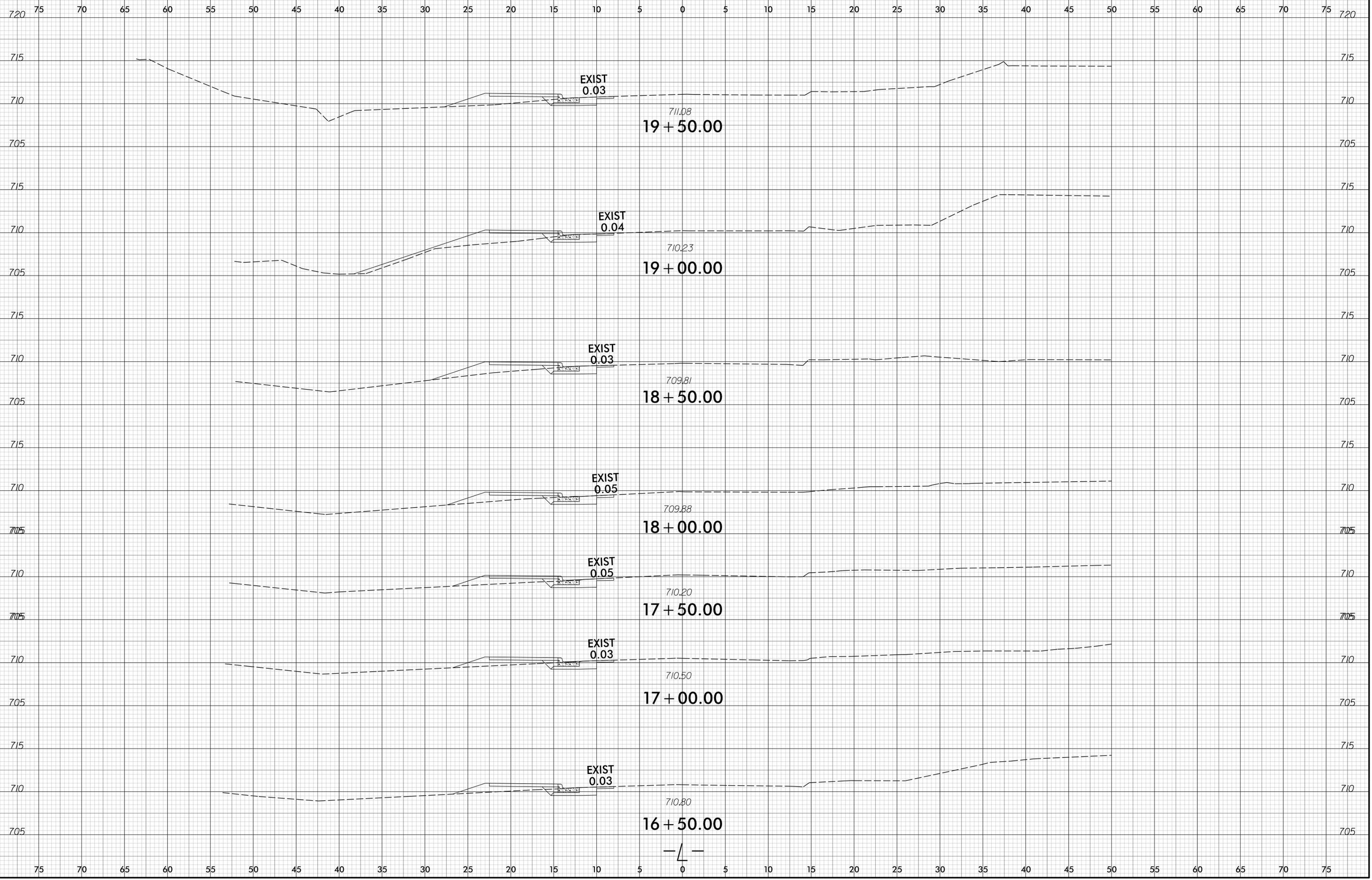
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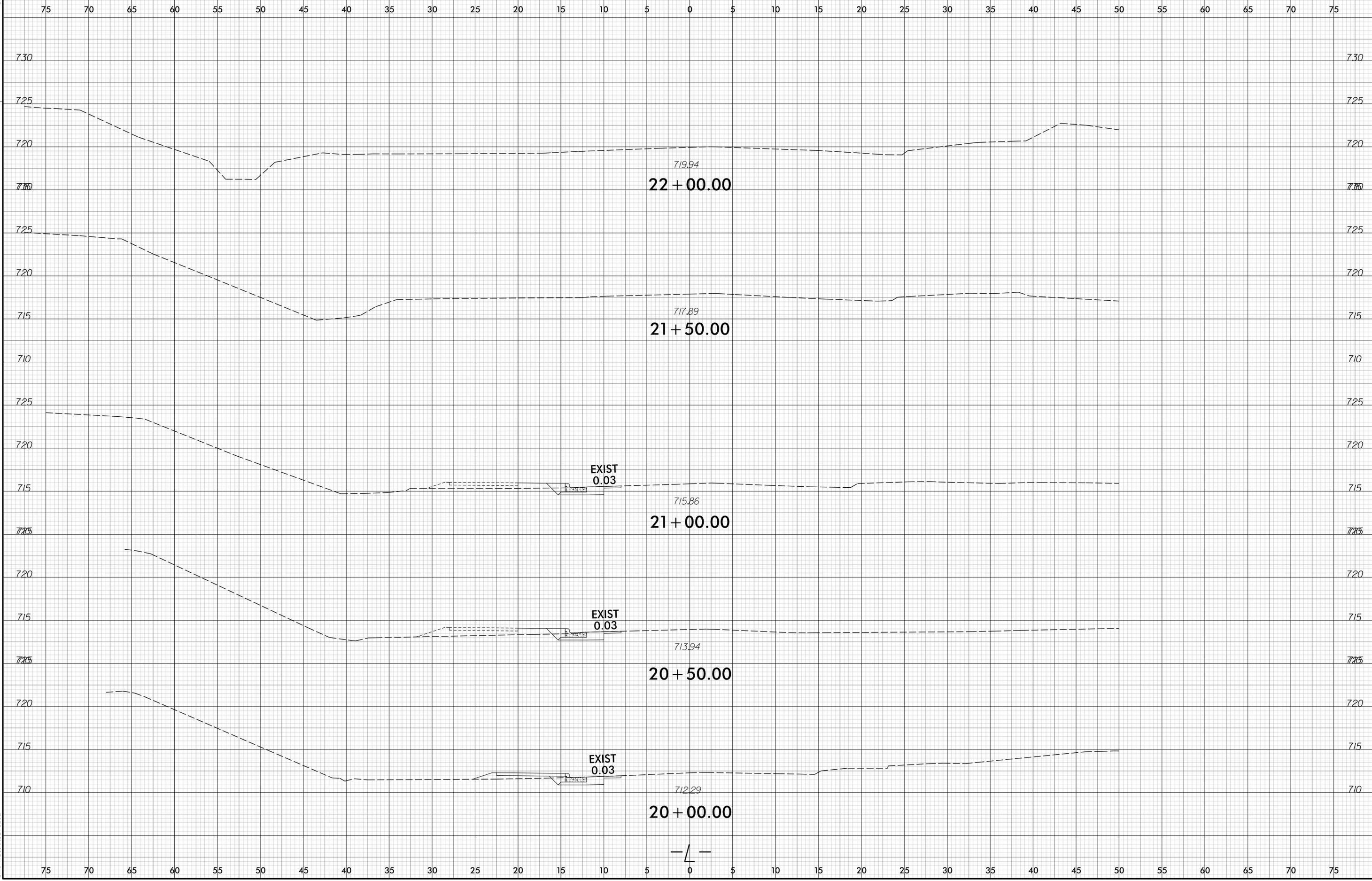
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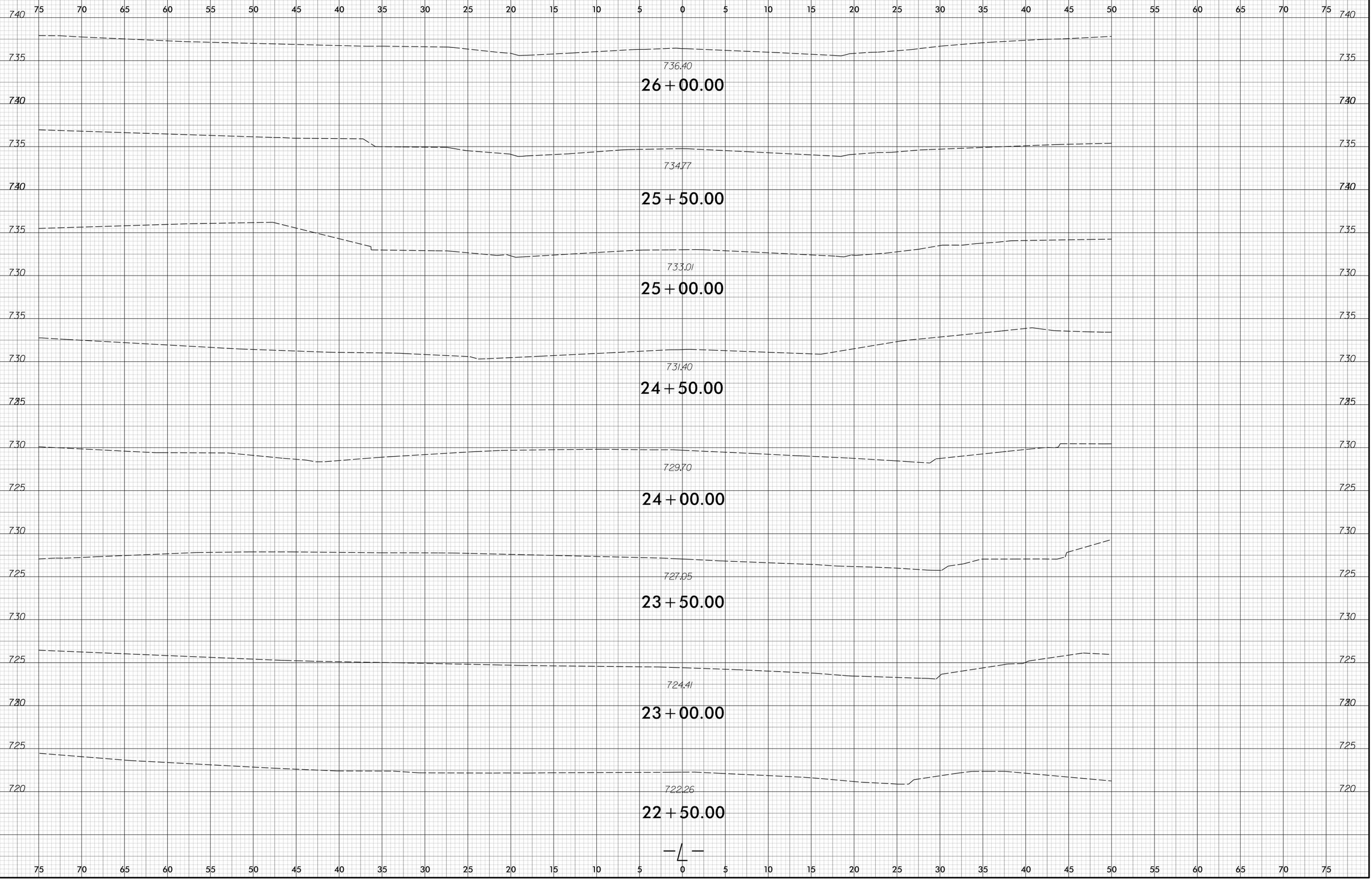
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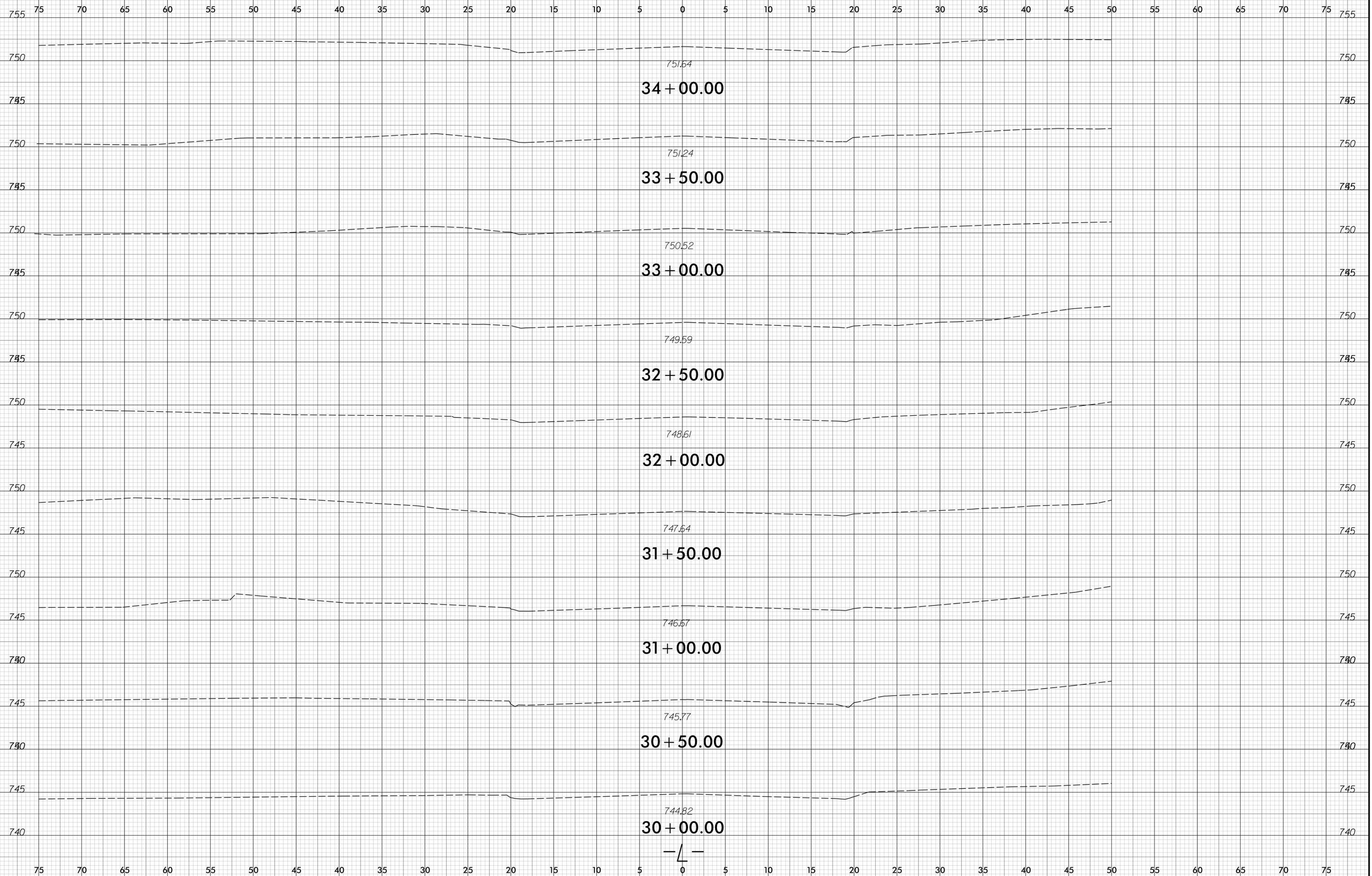
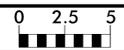


1/17/2023
U-5008A_P04.dwg
ext-mblittler







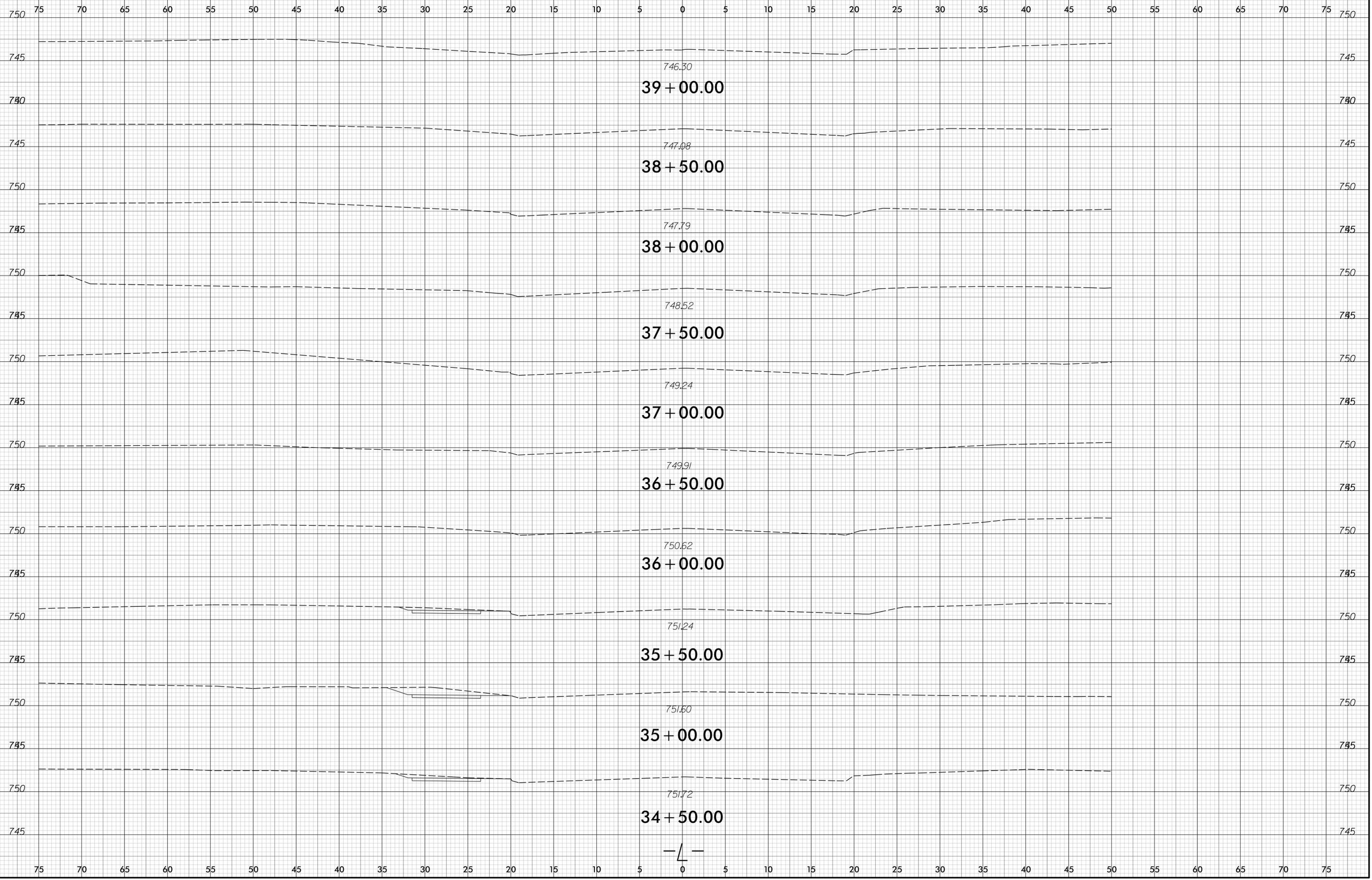


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6/23/16

DCV

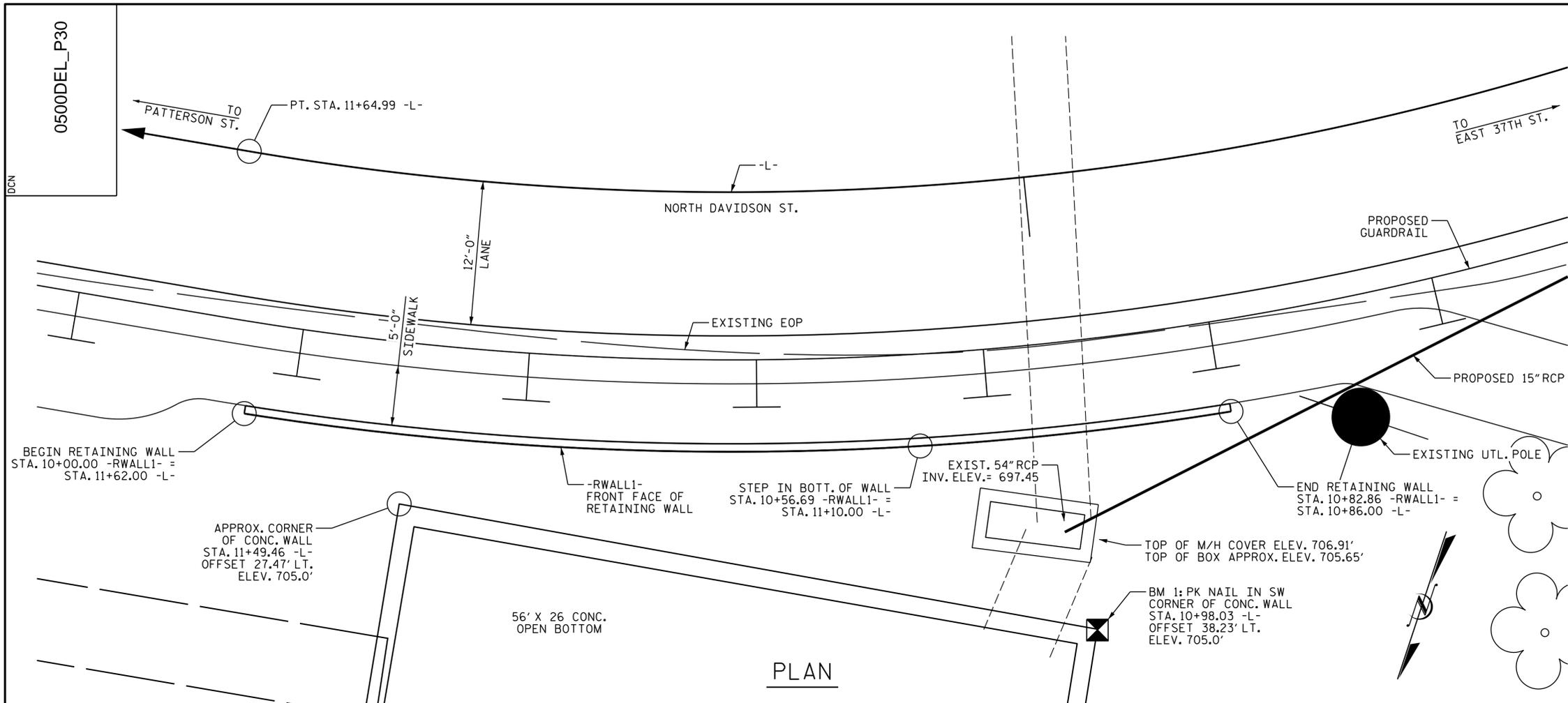
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| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
| | U-5008A | X-9 |



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0500DEL_P30

DCN



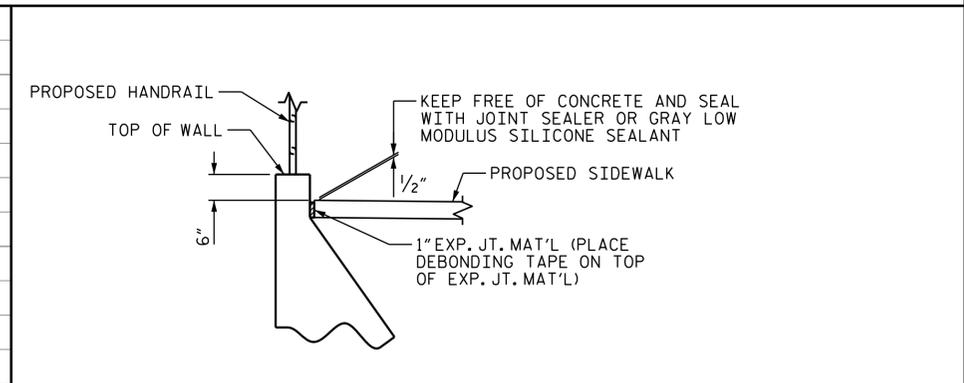
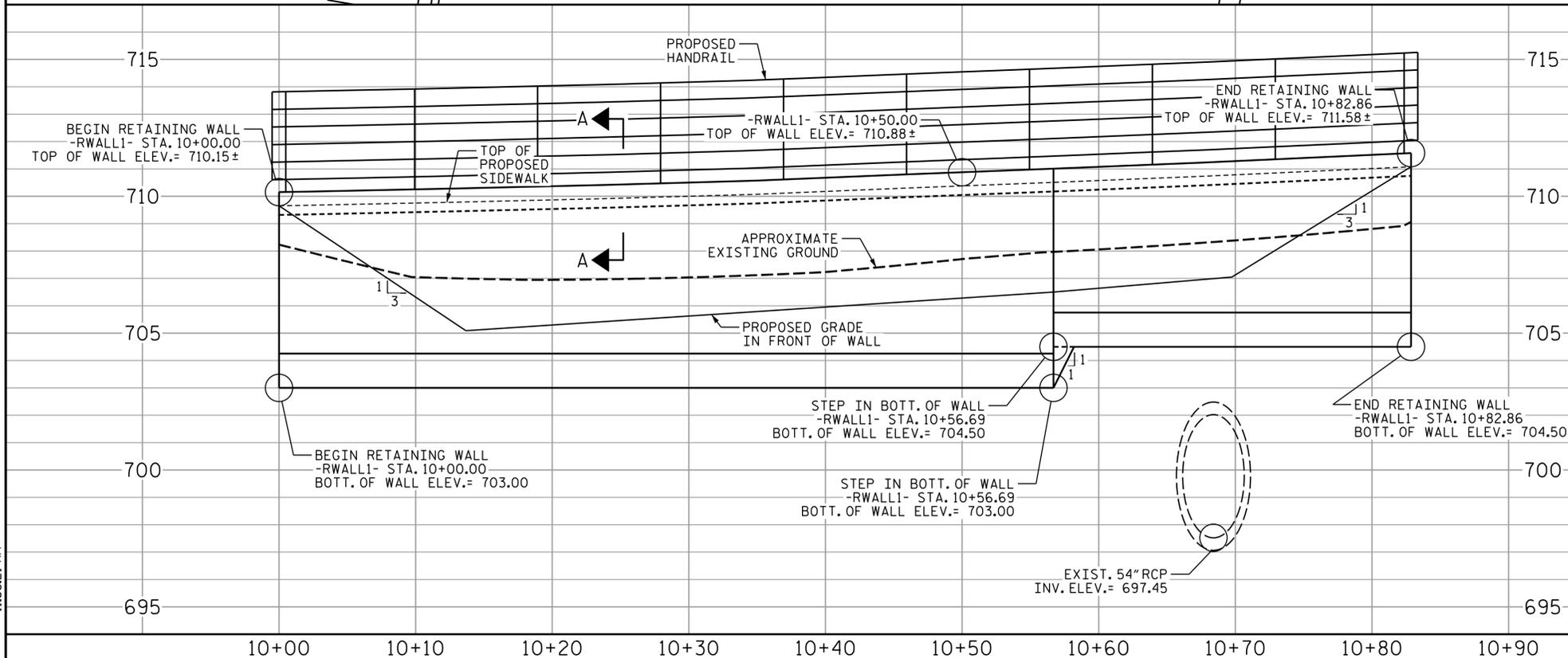
NOTES:

LENGTH OF RETAINING WALL BASED ON 3:1 (H:V) SIDE SLOPES.

MIN. COVER OVER 54" RCP IS 2'-0" TO BOTTOM OF FOOTING. DO NOT INCLUDE SHEAR KEY OVER 54" RCP.

HANDRAIL IS REQUIRED ON WALL.

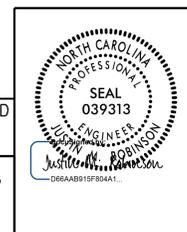
SHEAR KEY NOT SHOWN IN ELEV.



PROJECT NO. U-5008A
MECKLENBURG COUNTY
 STATION: 10+86.00 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**RETAINING WALL 1
 LOCATION PLAN
 & ENVELOPE**



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:
M MOTT MACDONALD
 7621 Purfoy Rd., Suite 115
 Fuquay-Varina, NC 27526
 (919) 552-2253
 www.mottmac.com
 LICENSE NO. F-0669

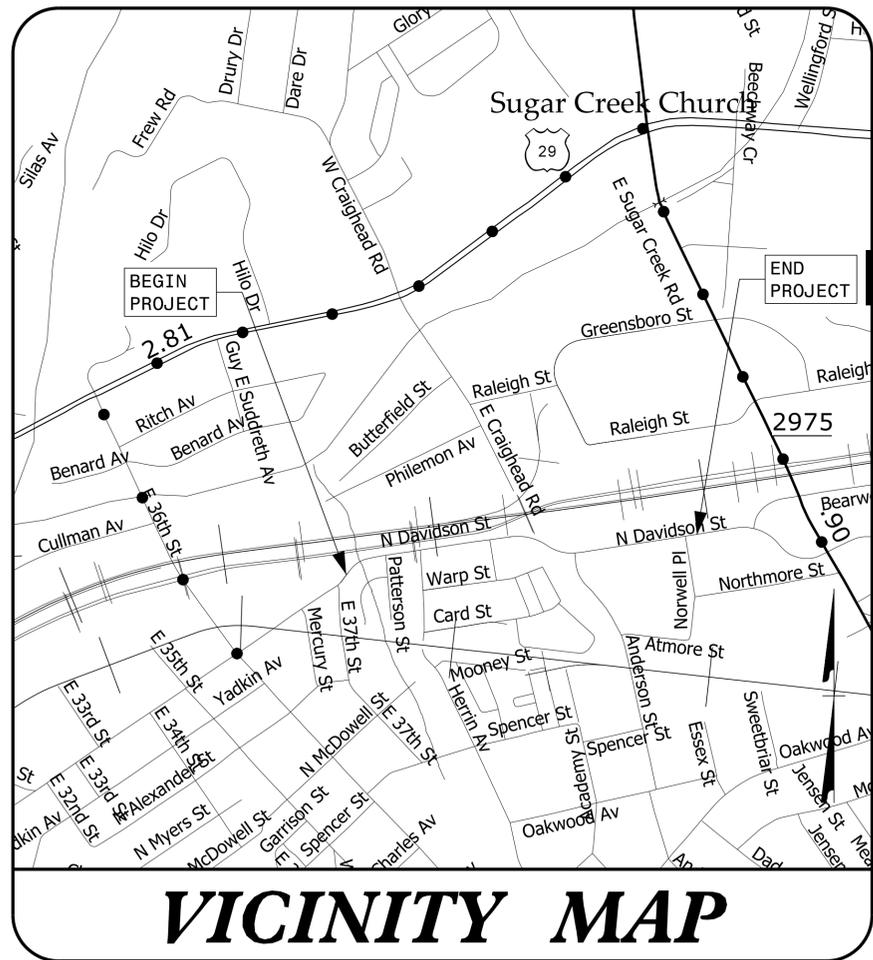
| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | W-1 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 1 |

#157077\w\157077\Matt MacDonald\501100121 - NCDOT Sugar Creek Supp #1 - Sugar Creek Retaining Wall\U-5008A\U-5008A.str_CIP-RWall.dgn
 5/23/2023 11:03:21 AM

DRAWN BY: J. T. WILLIAMS DATE: 2-2023
 CHECKED BY: J. M. ROBINSON DATE: 2-2023
 DESIGN ENGINEER OF RECORD: J. T. WILLIAMS DATE: 2-2023

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY



VICINITY MAP

**LOCATION: N. DAVIDSON STREET SIDEWALK EXTENSION
FROM 37TH STREET TO BEARWOOD AVENUE
IN CHARLOTTE**

**TYPE OF WORK: DRAINAGE, GRADING, PAVING, AND
SIDEWALK**

INDEX OF SHEETS

| SHEET NO. | TITLE |
|--------------------|---|
| TMP-1 | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS |
| TMP-1A | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND |
| TMP-1B THRU TMP-1C | TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES) |
| TMP-2 | TEMPORARY TRAFFIC CONTROL N DAVIDSON ST OFF-SITE DETOUR |
| TMP-2A | TEMPORARY TRAFFIC CONTROL N DAVIDSON ST ROAD CLOSURE |
| TMP-2B | TEMPORARY TRAFFIC CONTROL SPECIAL SIGN DESIGN |
| TMP-3 | TEMPORARY TRAFFIC CONTROL PHASING |
| TMP-4 | TEMPORARY TRAFFIC CONTROL ROAD CLOSURE DETAIL |
| TMP-5 THRU TMP-6 | TEMPORARY TRAFFIC CONTROL FLAGGING DETAIL |

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PLANS PREPARED BY:

D W BISSETTE, PE
PRINCIPAL PROJECT MANAGER

SHANE MCCARTHY
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

KUMAR TRIVEDI, PE
PROJECT ENGINEER

BRIAN GACKSTETTER, EI
PROJECT DESIGN ENGINEER



PLANS PREPARED FOR THE NCDOT BY:

M MOTT MACDONALD 1 & E, LLC
1101 HAYNES STREET, SUITE 101
RALEIGH, NC 27604
NC LICENSE NO. F-0669

APPROVED: *David W. Bissette*

DATE: _____

SEAL



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 |
|----------|---------------------------------|
| 1101.01 | WORK ZONE ADVANCE WARNING SIGNS |
| 1101.02 | TEMPORARY LANE CLOSURES |
| 1101.03 | TEMPORARY ROAD CLOSURES |
| 1101.04 | TEMPORARY SHOULDER CLOSURES |
| 1101.05 | WORK ZONE VEHICLE ACCESSES |
| 1101.11 | TRAFFIC CONTROL DESIGN TABLES |
| 1110.01 | STATIONARY WORK ZONE SIGNS |
| 1110.02 | PORTABLE WORK ZONE SIGNS |
| 1130.01 | DRUM |
| 1135.01 | CONES |
| 1145.01 | BARRICADES |
| 1150.01 | FLAGGING DEVICES |
| 1180.01 | SKINNY-DRUM |

LEGEND

GENERAL

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

WORK AREA

REMOVAL

USER DEFINED (IF NEEDED)

USER DEFINED (IF NEEDED)

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

| | |
|--------------------------------|---------------------|
| PROJ. REFERENCE NO. U-5008A | SHEET NO. TMP-1A |
|--------------------------------|---------------------|

PLANS PREPARED FOR THE NCDOT BY:

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 1101 HAYNES STREET, SUITE 101
 RALEIGH, NC 27604
 NC LICENSE NO. F-0669

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

PLANS PREPARED FOR THE NCDOT BY:

M MOTT MACDONALD I & E, LLC
1101 HAYNES STREET, SUITE 101
RALEIGH, NC 27604
M MOTT MACDONALD NC LICENSE NO. F-0669

MANAGEMENT STRATEGIES

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

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- NIGHT WORK
- WEEKEND WORK
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES

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 UNDESIRE 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.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

| ROAD NAME | DAY AND TIME RESTRICTIONS |
|---------------|---|
| N DAVIDSON ST | MONDAY THROUGH FRIDAY 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM |

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

| ROAD NAME |
|---------------|
| N DAVIDSON ST |

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st AND 7:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 PM THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 7:00 PM MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 7:00 PM TUESDAY.

7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY AND 7:00 PM MONDAY.

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

LANE AND SHOULDER CLOSURE REQUIREMENTS

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

- F) 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.

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

- H) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON ANY ROAD.

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- J) 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 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- L) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

- M) 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.

- N) 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.

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

- P) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- Q) 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.

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

- S) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

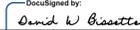
- T) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

| ROAD NAME | MARKING | MARKER |
|---------------|---------|--------|
| N DAVIDSON ST | PAINT | RAISED |

- U) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

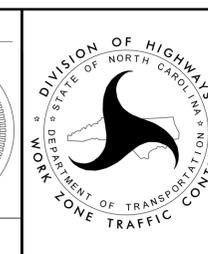
- W) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

APPROVED: 
DATE: _____

DocuSigned by:
David W. Bisette
01F5041EA7684D1...



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



**TRANSPORTATION
OPERATIONS
PLAN**

0500BEL_P 30
3/6/2023
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User: BJS82185

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| U-5008A | TMP-1C |

GENERAL NOTES

MISCELLANEOUS

- X) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Y) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 FT AND 400 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- Z) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- AA) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

PLANS PREPARED FOR THE NCDOT BY:

M MOTT MACDONALD I & E, LLC
 1101 HAYNES STREET, SUITE 101
 RALEIGH, NC 27604

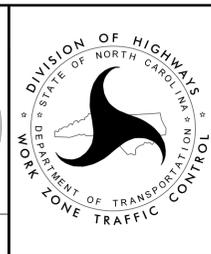
M MOTT MACDONALD
 NC LICENSE NO. F-0669

APPROVED: 
DocuSigned by: David W. Bissette
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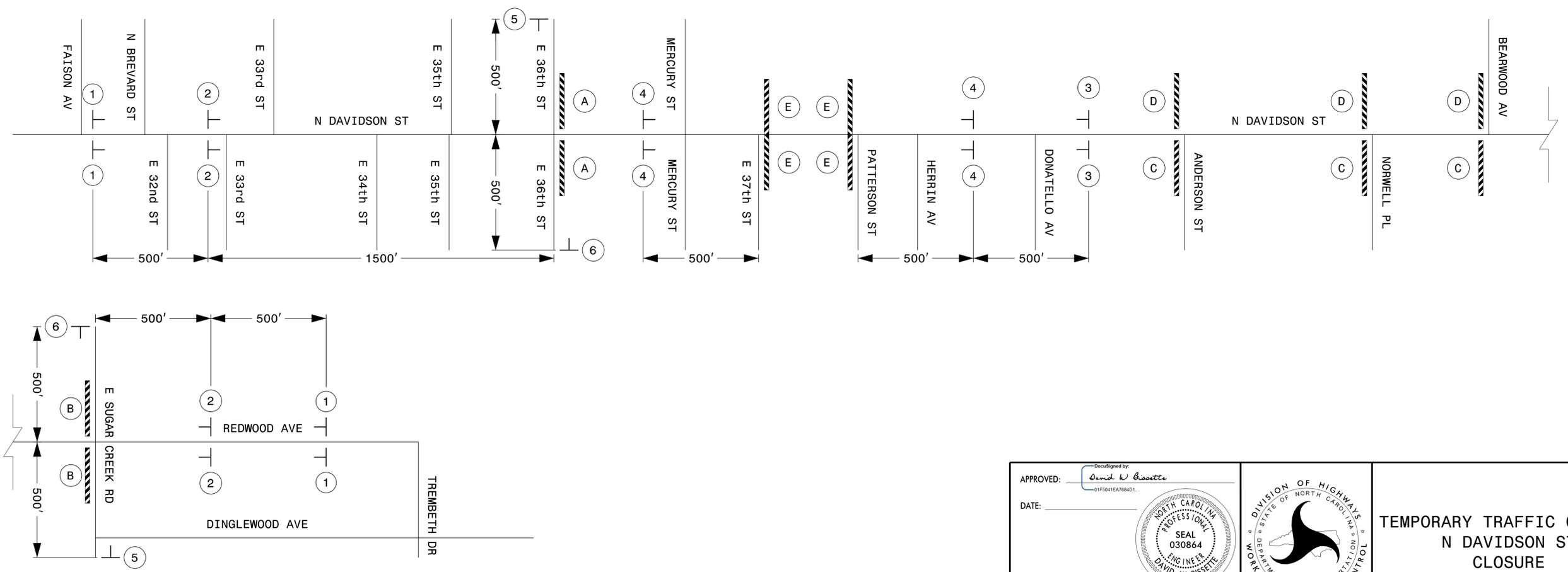
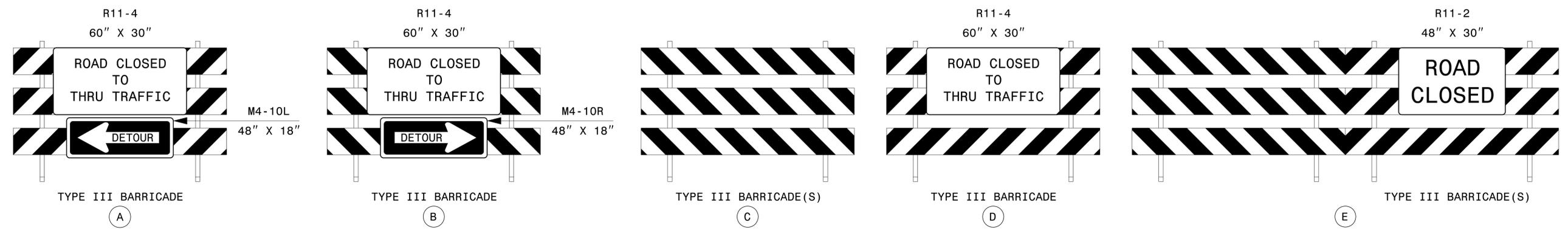
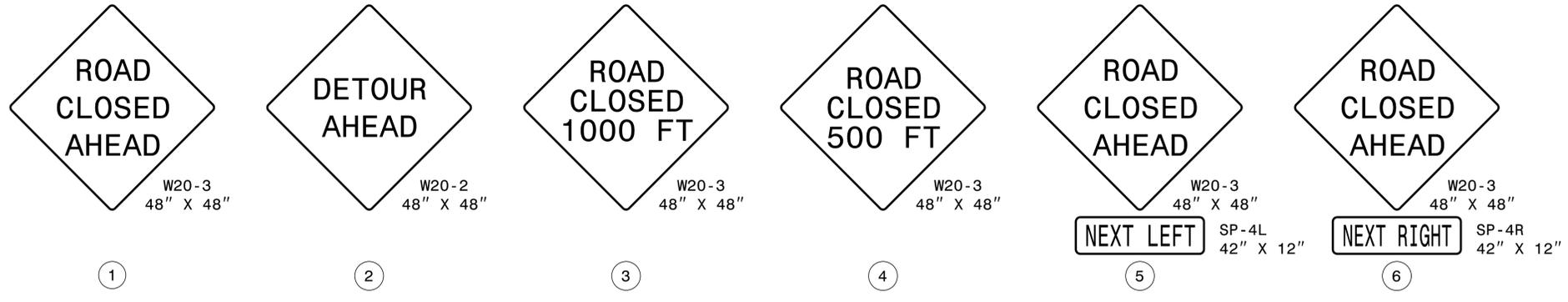
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**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



TRANSPORTATION OPERATIONS PLAN



| | | |
|---|---|--|
| APPROVED: <i>David W. Bisette</i> DATE: _____  |  | TEMPORARY TRAFFIC CONTROL N DAVIDSON ST CLOSURE |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | |

0500DEL_P.30
 3/8/2023
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PLANS PREPARED FOR THE NCDOT BY:

M MOTT MACDONALD 1 & E, LLC
 1101 HAYNES STREET, SUITE 101
 RALEIGH, NC 27604
M MOTT MACDONALD NC LICENSE NO. F-0669

| <p>SIGN NUMBER: SP-1 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:</p> | <p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p> | SYMBOL | X | Y | WID | HT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | <p>DESIGN BY: S COLEMAN PROJECT ID: U-5008A</p> | <p>CHECKED BY: D BISSETTE LOCATION:</p> | <p>Jan 11, 2023 DIV: 10</p> |
|---|--|--------|-----|----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SYMBOL | X | Y | WID | HT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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BORDER
 R=1.5"
 TH=0.63"
 IN=0.38"

Spacing Factor is 1 unless specified otherwise

| Letter positions | | | | | | | | | | | | | | | Series/Size | |
|---|-----|-----|------|-----|-----|-----|---|-----|-----|--|--|--|--|--|-------------|--------|
| Letter spacings are to start of next letter | | | | | | | | | | | | | | | Text Length | |
| | N | O | R | T | H | | | | | | | | | | | C 2000 |
| 9.5 | 3.8 | 4 | 3.2 | 3.3 | 2.8 | 9.5 | | | | | | | | | | 17.1 |
| | D | A | V | I | D | S | O | N | | | | | | | | C 2000 |
| 4.8 | 3.4 | 3.5 | 3.8 | 1.8 | 3.5 | 3.6 | 4 | 2.8 | 4.8 | | | | | | | 26.4 |
| | S | T | | | | | | | | | | | | | | C 2000 |
| 15.1 | 3.3 | 2.6 | 15.1 | | | | | | | | | | | | | 5.8 |

FILENAME: U-5008A_TC_TMP_Sign Design NORTH CAROLINA D.O.T. SIGN DETAIL

0500DEI_P30

 3/8/2023
 \\ustfuquhyfps01\Proj\382464\2017-RR-Xing-JP\Proj\U-5008A\TrafficControl\TCP\U-5008A_TC_TMP_02B.dgn
 User: BJS82185

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|--|--|--|
| <p>APPROVED: </p> <p>DATE: _____</p> <p style="text-align: center;">SEAL</p> | | <p>TEMPORARY TRAFFIC CONTROL SPECIAL SIGN DESIGN</p> |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | |

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| U-5008A | TMP-3 |

PLANS PREPARED FOR THE NCDOT BY:

M MOTT MACDONALD I & E, LLC
 1101 HAYNES STREET, SUITE 101
 RALEIGH, NC 27604
M MOTT
 MACDONALD NC LICENSE NO. F-0669

PHASING

- RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.
- SIGNAL TIMING ADJUSTMENTS IF NEEDED, WILL BE PERFORMED BY NCDOT AND/OR THE CITY OF CHARLOTTE.

STEP 1. INSTALL WORK ZONE ADVANCE WARNING SIGNS. (SEE RSD 1101.01 SHEET 3 OF 3)

STEP 2. USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 14), TMP-5, AND TMP-6, INSTALL LANE CLOSURES AND BEGIN CONSTRUCTION OF THE PROPOSED CONCRETE SIDEWALK LEFT OF -L- STATION 34+22+/- TO STATION 35+88+/- (SEE ROADWAY PLANS)

COMPLETE THE WORK REQUIRED OF STEP 3 IN 30 DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 3. USING ROADWAY STANDARD DRAWING 1101.03 (SHEET 1 OF 9), TMP-2, TMP-2A, AND TMP-2B INSTALL DETOUR GUIDE SIGNS AND ROAD CLOSURE SIGNS REQUIRED TO CLOSE N DAVIDSON ST TO THRU TRAFFIC BETWEEN E 36TH ST AND E SUGAR CREEK RD AND CONSTRUCT THE FOLLOWING WITHIN THE CLOSURE: (SEE TMP-4 AND ROADWAY PLANS)

- PROPOSED GRAVITY WALL LEFT OF -L- STATION 10+86+/- TO STATION 11+62+/-
- PROPOSED HANDRAIL LEFT OF -L- STATION 10+76+/- TO STATION 11+72+/-
- PROPOSED ROADWAY SECTION LEFT OF -L- STATION 10+00+/- TO 21+25+/- INCLUDING:
 - 2'-6" CURB AND GUTTER LEFT OF -L- STATION 10+00+/- TO STATION 21+25+/-
 - CONCRETE SIDEWALK LEFT OF -L- STATION 10+55+/- TO STATION 20+42+/-
 - GUARDRAIL AND GREU TL-2 LEFT OF -L- STATION 9+76+/- TO STATION 13+63+/-

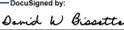
REMOVE ROAD CLOSURE SIGNS, REOPEN N DAVIDSON ST TO THRU TRAFFIC, AND REMOVE DETOUR GUIDE SIGNS

STEP 4. USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 14), TMP-5, AND TMP-6, INSTALL LANE CLOSURES AND COMPLETE CONSTRUCTION OF THE CONCRETE SIDEWALK LEFT OF -L- STATION 34+22+/- TO STATION 35+88+/- (SEE ROADWAY PLANS)

STEP 5. REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES.

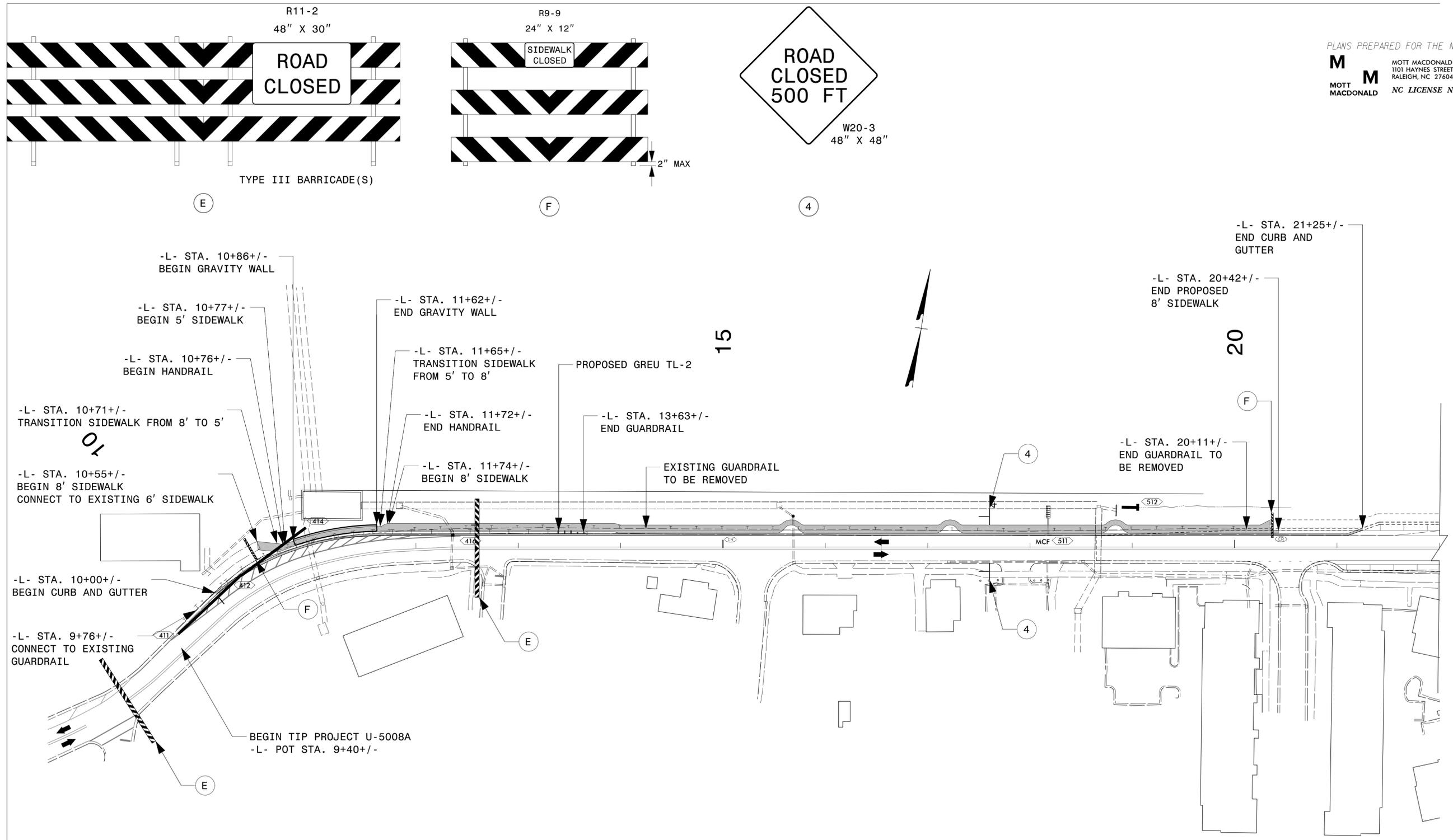
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| U-5008A | TMP-4 |

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 3/8/2023
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APPROVED: *David W. Bisette*
DocuSigned by: David W. Bisette 01F5041EA7684D1...

DATE: _____



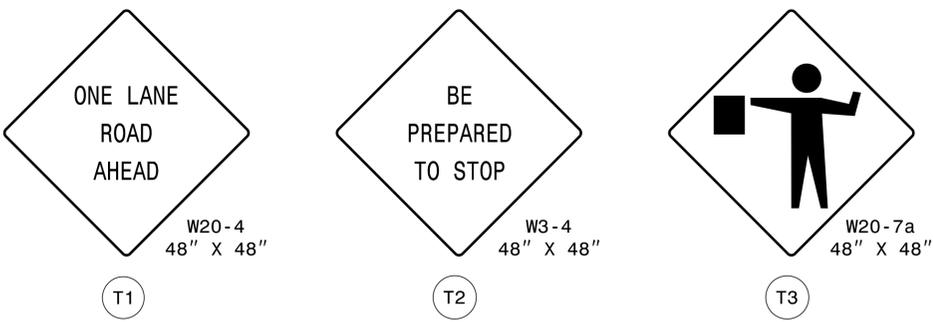
**TEMPORARY TRAFFIC CONTROL
 ROAD CLOSURE DETAIL**

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

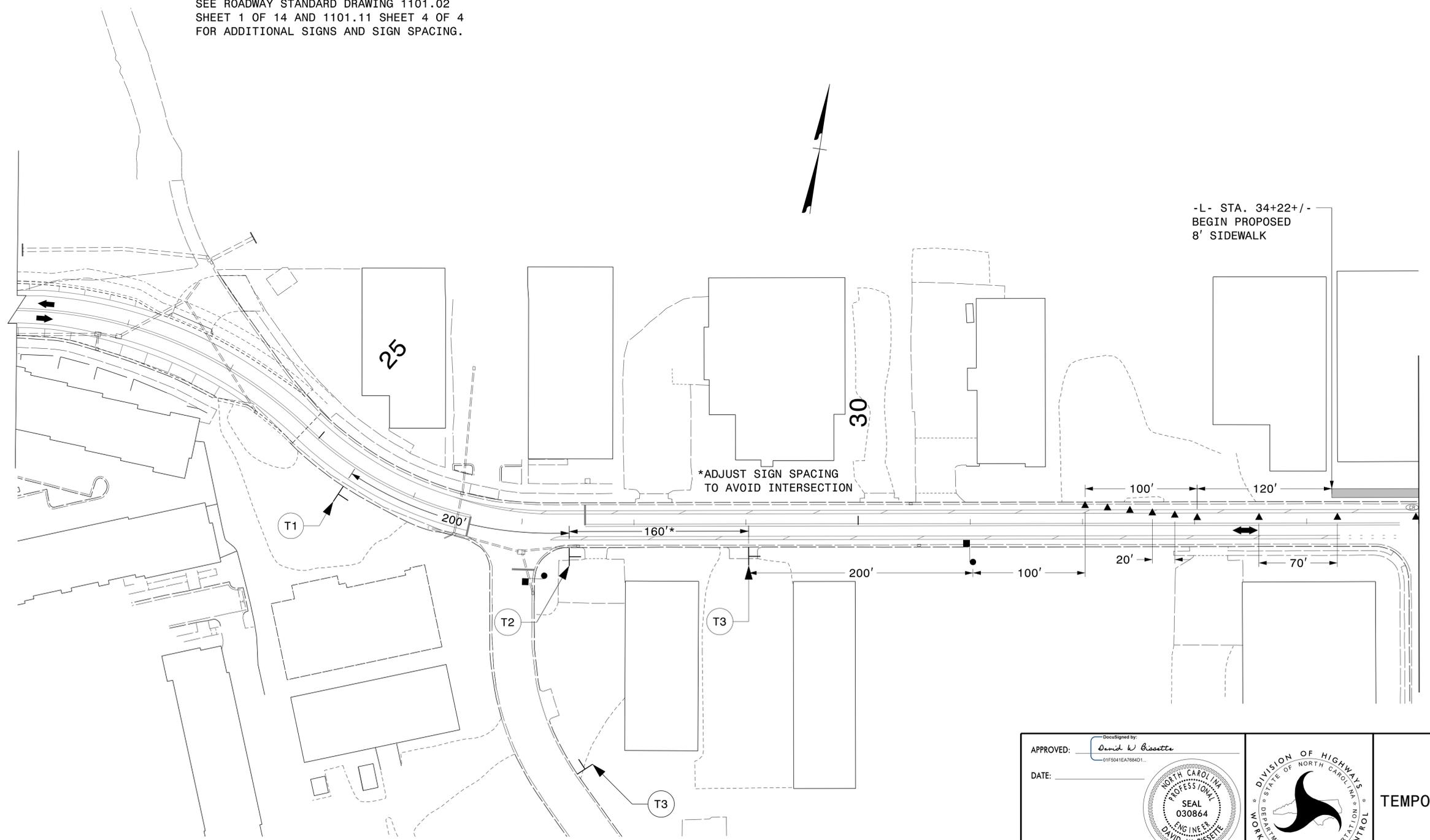
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| PROJ. REFERENCE NO. | SHEET NO. |
| U-5800A | TMP-5 |

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SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 14 AND 1101.11 SHEET 4 OF 4 FOR ADDITIONAL SIGNS AND SIGN SPACING.



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 4/28/2023
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DocuSigned by: 01F5041EA7684D1...

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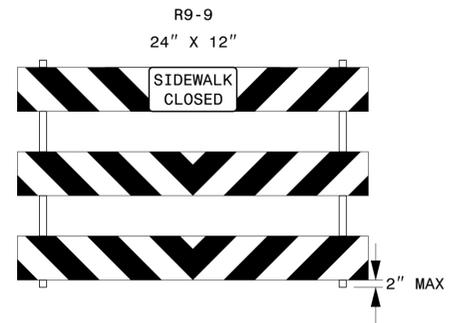
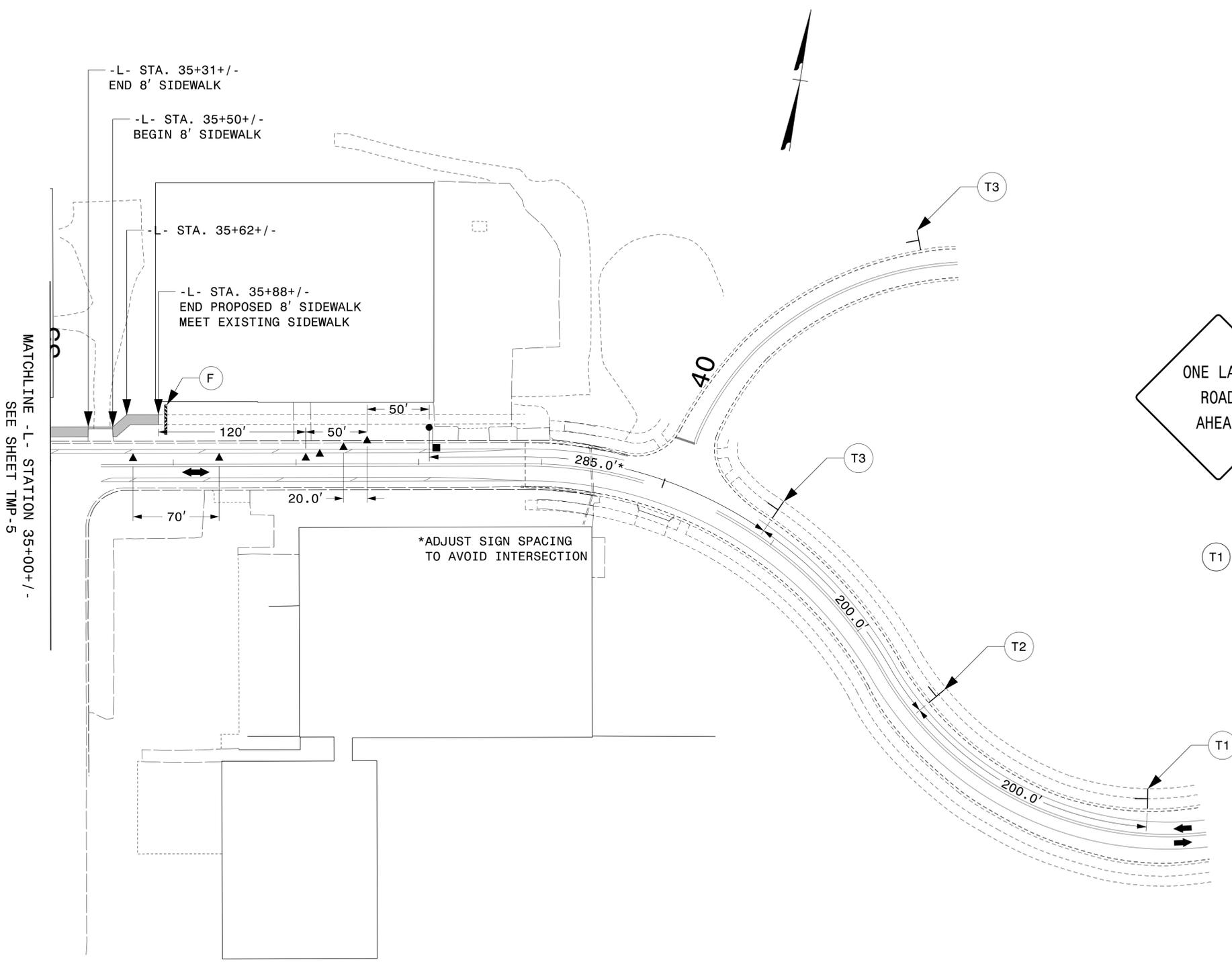
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**TEMPORARY TRAFFIC CONTROL
 FLAGGING DETAIL**

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| PROJ. REFERENCE NO. | SHEET NO. |
| U-5800A | TMP-6 |

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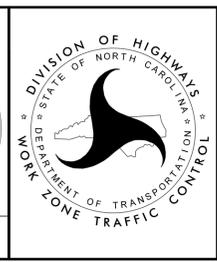


T1 T2 T3

SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 14 AND 1101.11 SHEET 4 OF 4 FOR ADDITIONAL SIGNS AND SIGN SPACING.

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TEMPORARY TRAFFIC CONTROL FLAGGING DETAIL