

09/08/09

TIP PROJECT: Y-4813B

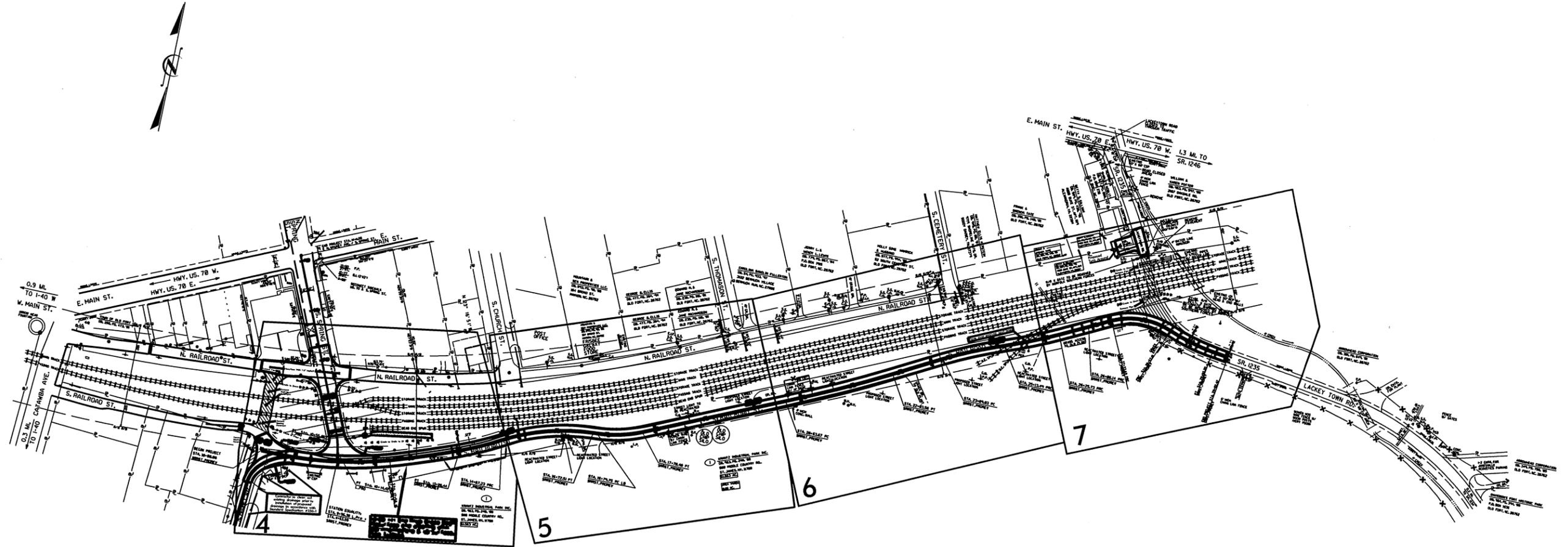
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

McDowell County

LOCATION: SR 1235 Spring Street, Old Fort

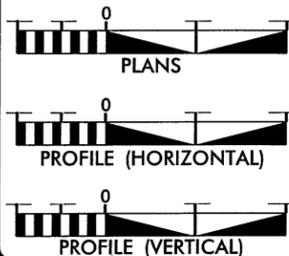
TYPE OF WORK: Grading, Drainage, and Paving

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	Y-4813B	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
40325.3.14			



CONTRACT:

GRAPHIC SCALES



DESIGN DATA

ADT _____ =
ADT _____ =
DHV = _____ %
D = _____ %
T = _____ % *
V = _____ MPH
* TTST = _____ DUAL _____
FUNC CLASS = _____

TIER

PROJECT LENGTH

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

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

PROJECT ENGINEER

PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	⊙
Property Corner	⊠
Property Monument	⊠
Parcel/Sequence Number	⊠
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	-o-o-o-
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 Soil Contamination: Area or Site	⊗ ⊗
Potential Soil Contamination: Area or Site	⊗ ⊗

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	⊙
Well	⊙
Small Mine	⊗
Foundation	⊠
Area Outline	⊠
Cemetery	⊠
Building	⊠
School	⊠
Church	⊠
Dam	⊠

HYDROLOGY:

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

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	-----
Switch	-----
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite R/W Marker	-----
Proposed Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
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	-----
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

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	-----
Woods Line	-----

Orchard	-----
Vineyard	-----

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:

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

TELEPHONE:

Existing Telephone Pole	-----
Proposed Telephone Pole	-----
Telephone Manhole	-----
Telephone Booth	-----
Telephone Pedestal	-----
Telephone Cell Tower	-----
U/G Telephone Cable Hand Hole	-----
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	-----
Water Meter	-----
Water Valve	-----
Water Hydrant	-----
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

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

GAS:

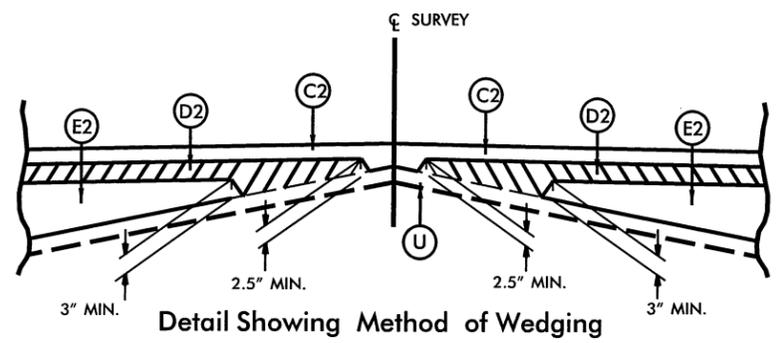
Gas Valve	-----
Gas Meter	-----
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

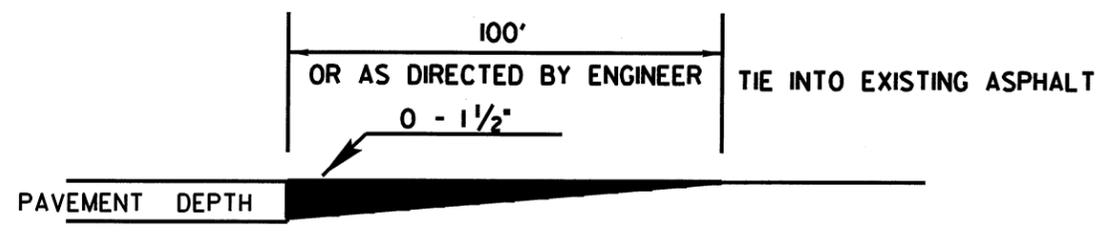
Sanitary Sewer Manhole	-----
Sanitary Sewer Cleanout	-----
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

MISCELLANEOUS:

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



NOTE: WEDGEING WILL BE REQUIRED TO OBTAIN DESIRED CROSS SLOPE ON SRRST_PRO.



DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT ASPHALT MILLING, WILL BE REQUIRED TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINING, END AND Y LINES OF EACH MAP TO BE RESURFACED WITH ASPHALT CONC SURFACE COURSE, TYPE S9.5B. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.

PAVEMENT SCHEDULE	
C1	PROP. Approx. 1 1/2" Asphalt Concrete Surface Course, Type S9.5B, At an Average Rate of 168 LBS. Per SQ. YD.
C2	PROP. Variable Depth Asphalt Concrete Surface Course, Type S9.5B, At an Average Rate of 112 LBS. Per SQ. YD. Per 1" Depth to be placed in layers not to exceed 2" in Depth
D1	PROP. Approx. 2.5" Asphalt Concrete Intermediate Course, Type I19.0B, At an Average Rate of 285 LBS. Per SQ. YD.
D2	PROP. Variable Depth Asphalt Concrete Intermediate Course, Type I19.0B, at an Average Rate of 114 LBS. Per SQ. YD. Per 1" Depth to be placed in layers not less than 2 1/2" in Depth or greater than 4" in depth
E1	PROP. Approx. 5.0" Asphalt Concrete Base Course, Type B25.0B, At an Average Rate of 570 LBS. Per SQ. YD.
E2	PROP. Variable Depth Asphalt Concrete Base Course, Type B25.0B, at an Average Rate of 114 LBS. Per SQ. YD. Per 1" Depth to be placed in layers not less than 3" in depth or greater than 5 1/2" in Depth
U	EXISTING PAVEMENT
W	Variable Depth Asphalt Pavement (See Detail Showing Method Of Wedging)

*****SYTIME*****

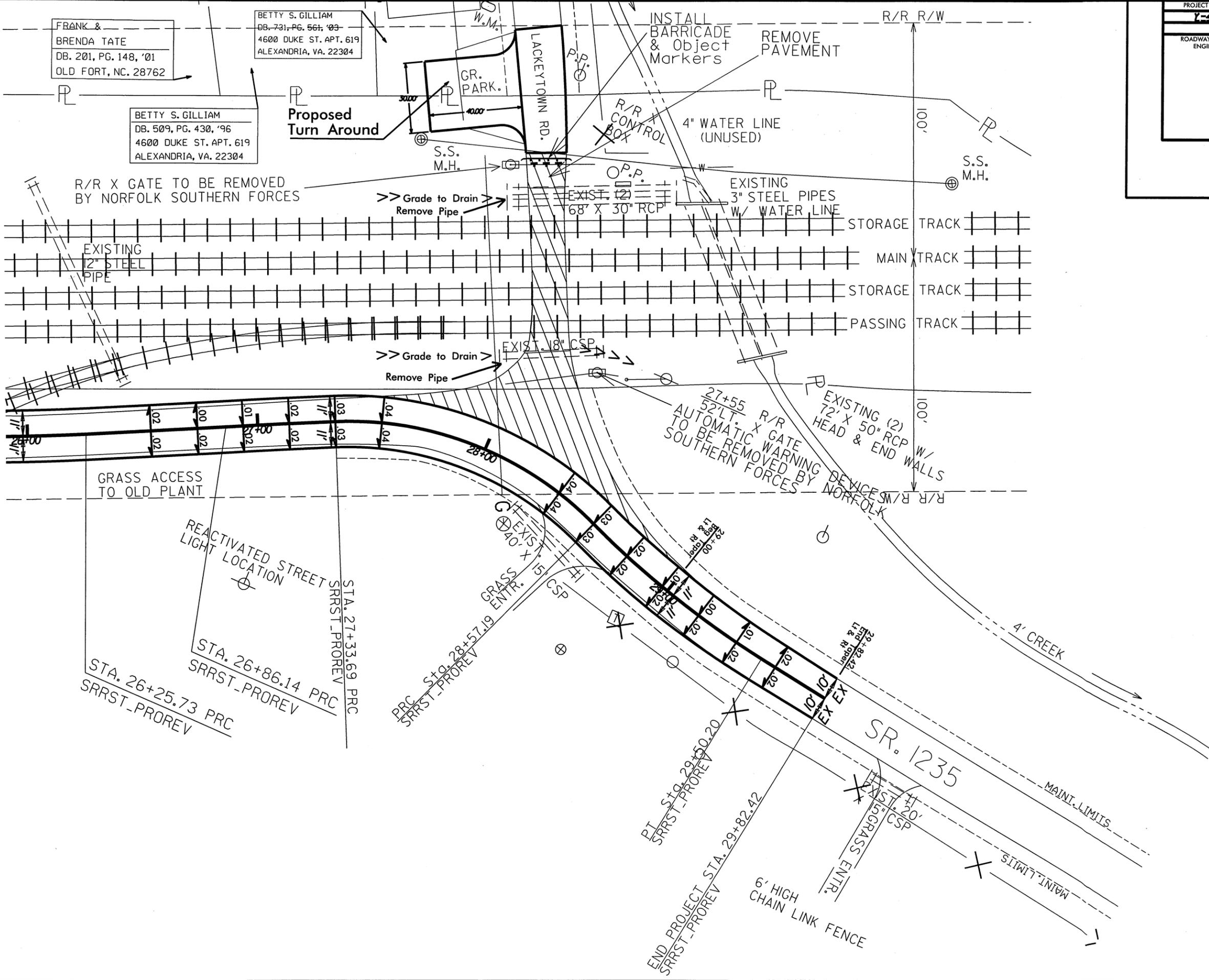
8/17/99

PROJECT REFERENCE NO. Y-403A	SHEET NO. 7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FRANK &
BRENDA TATE
DB. 201, PG. 148, '01
OLD FORT, NC. 28762

BETTY S. GILLIAM
DB. 731, PG. 561, '03
4600 DUKE ST. APT. 619
ALEXANDRIA, VA. 22304

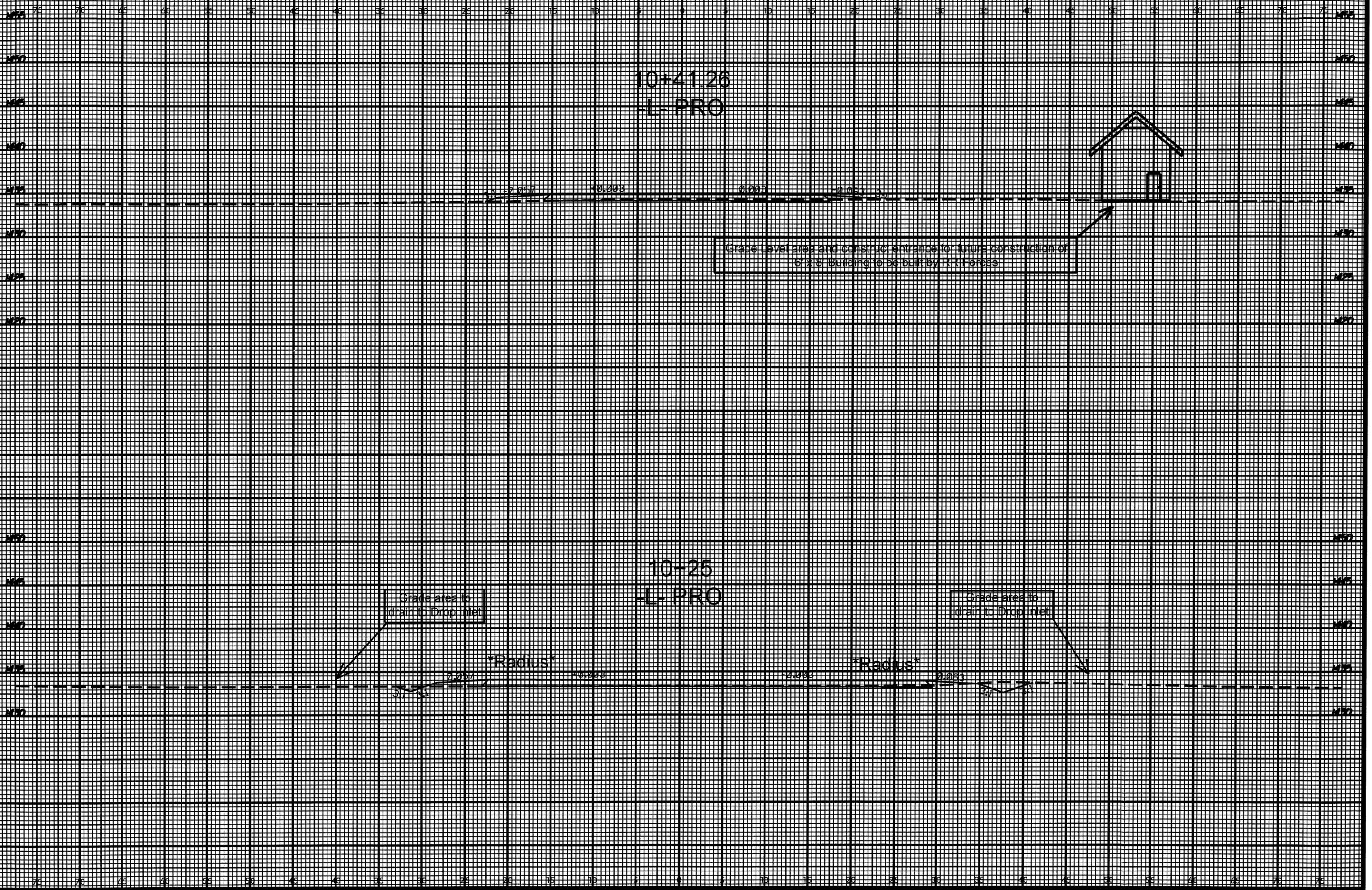
BETTY S. GILLIAM
DB. 509, PG. 430, '96
4600 DUKE ST. APT. 619
ALEXANDRIA, VA. 22304



REVISIONS

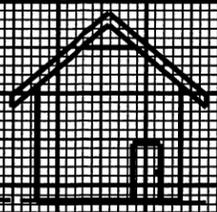
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8/23/99



10+41.26
L-PRO

Grade level area and construct entrance for future construction of
6' x 8' building to be built by R.C. Cross



10+25
L-PRO

Grade area to
drain to Drop inlet

Grade area to
drain to Drop inlet

Roads

Roads

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$SERIAL\$\$\$\$\$
\$\$\$\$\$USERNAM\$\$\$\$\$

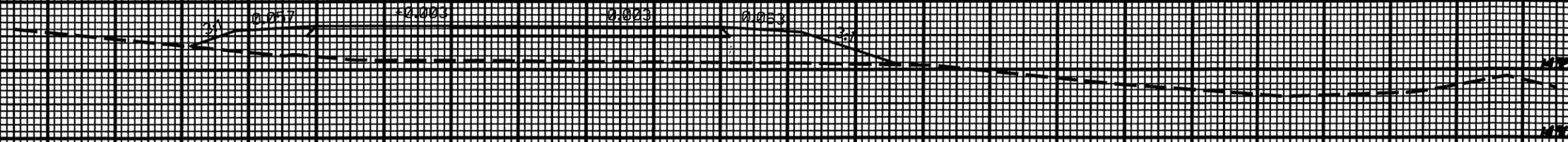
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IL-PRO



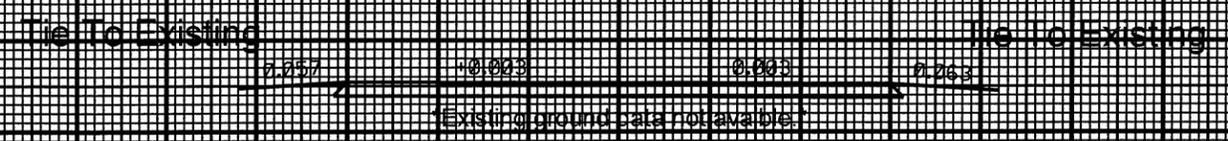
10-50
IL-PRO



11+25
-L- PRO



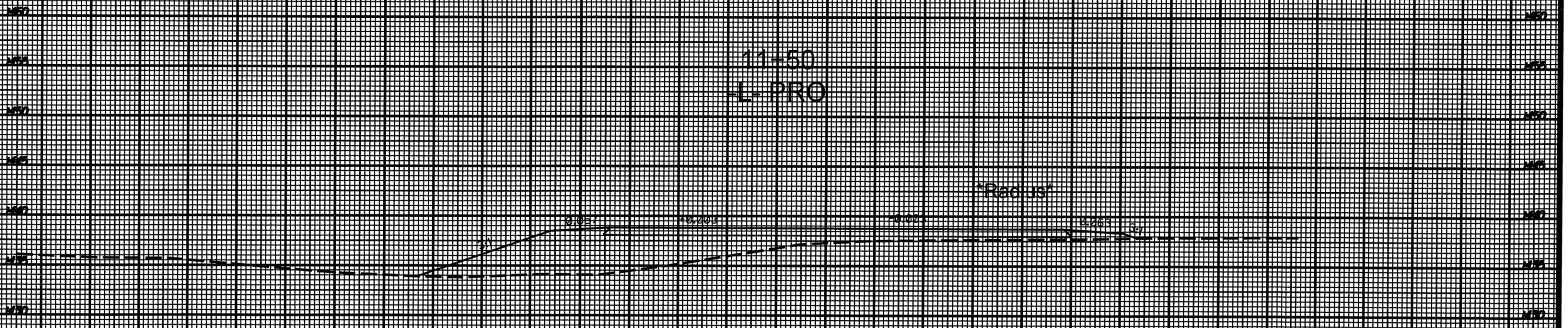
11+00
-L- PRO



8/23/99

11+50
 HL-PRO

Radius



 SYSTEM *****

GENERAL NOTES

PHASE I

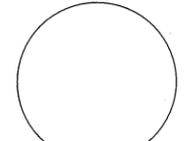
STEP #1 CONSTRUCT NEW CROSSING

STEP #2 NEW CROSSING WILL REMAIN CLOSED AS NORFOLK SOUTHERN INSTALLS SIGNAL AT NEW CROSSING

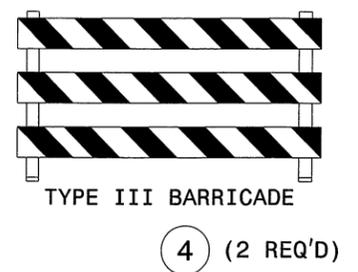
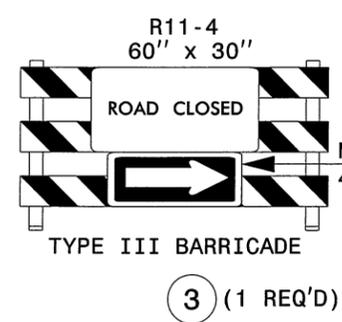
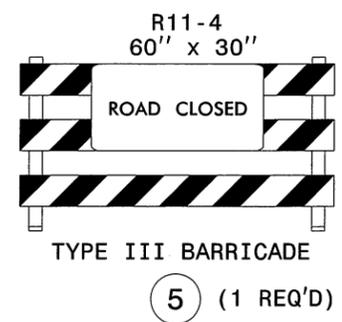
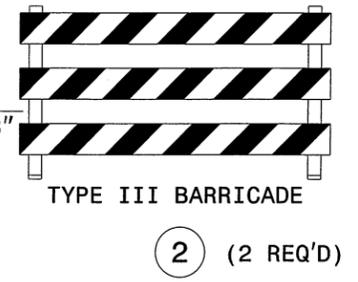
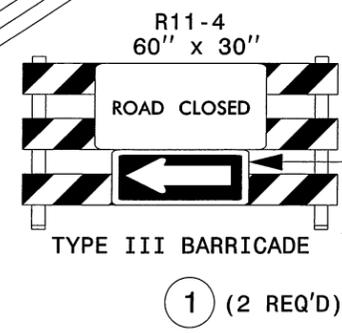
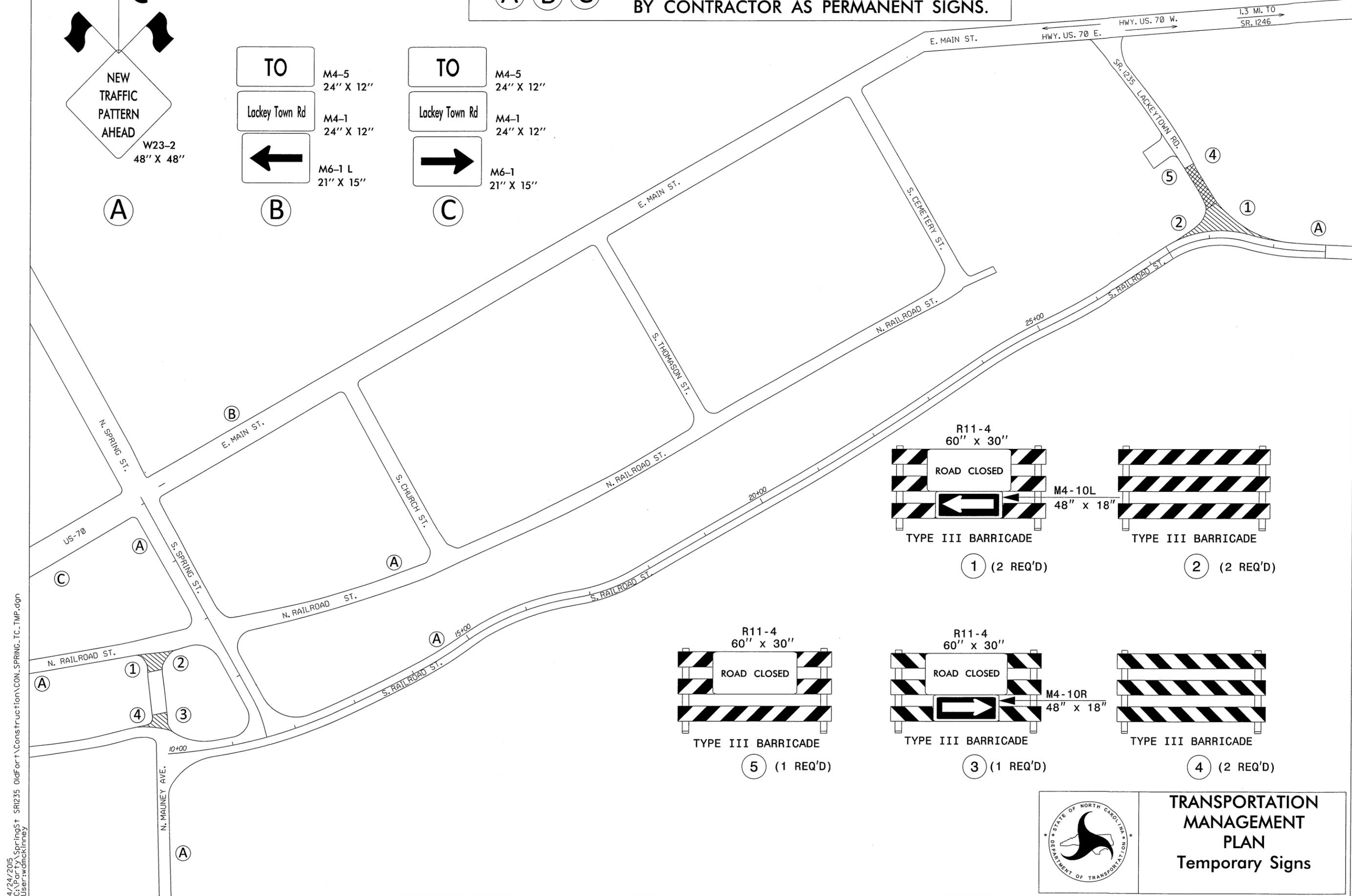
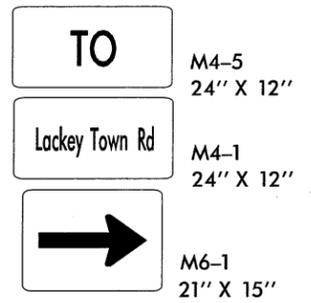
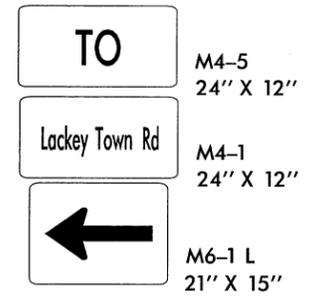
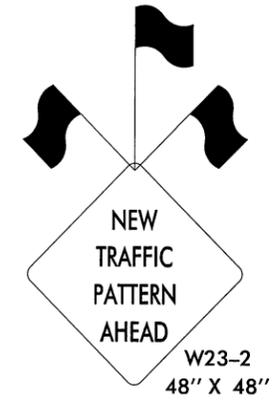
STEP #3 AFTER THE COMPLETION OF STEP #1 AND STEP #2 EXISTING CROSSING AT LACKEYTOWN ROAD AND NORTH MAUNEY AVE. WILL BE REMOVED.

STEP #4 AFTER COMPLETION OF STEP #3, CONSTRUCT NEW ALIGNMENT OF LACKEYTOWN ROAD.

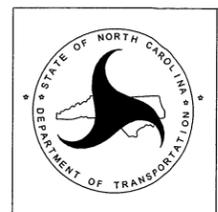
NOTE: ALL WORK OUTSIDE OF THE AREAS OF THE NEW AND EXISTING CROSSING IS NOT INCLUDED IN THIS PHASING PLAN AND MAY COMPLETED AT ANYTIME.

APPROVED: _____ DATE: _____		TRANSPORTATION MANAGEMENT PLAN
SEAL 		

(A) (B) (C) SIGNS PROVIDED BY NCDOT, INSTALLATION BY CONTRACTOR AS PERMANENT SIGNS.



4/24/2015 C:\Part\Spring\SR1235 OldFort\Construction\CON_SPRING_TC_TMP.dgn User:wdmckinney



TRANSPORTATION MANAGEMENT PLAN
Temporary Signs

TIP NO.	SHEET NO.
Y-4813B	PMP-1
APPROVED: _____	
DATE: _____	
SEAL	
	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
MCDOWELL COUNTY**

LOCATION: SR-1235 SPRING STREET, OLD FORT

T.I.P.: Y-4813B

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

GENERAL NOTES

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

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

ROAD NAME	MARKING	MARKER
ALL	PAINT	NONE
- B) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
- C) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- D) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- E) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- F) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- G) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING PAINT PAVEMENT MARKING MATERIAL.

**PAVEMENT
MARKING SCHEDULE**

SYMBOL	DESCRIPTION	FINAL PAVEMENT MARKINGS
P2	WHITE STOPBAR (2X)	PAINT(24")
P8	2 FT. - 6 FT./SP WHITE MINISKIP (2X)	PAINT (4")
PA	WHITE EDGELINE (2X)	
PD	3 FT. - 9 FT./SP WHITE MINISKIP (2X)	
PI	YELLOW DOUBLE CENTER (2X)	
QI	ALPHANUMERIC CHAR. (2X)	PAINTMARKING SYMBOLS

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2	PAVEMENT MARKING DETAIL

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

SIGNING & DELINEATION REGIONAL ENGINEER

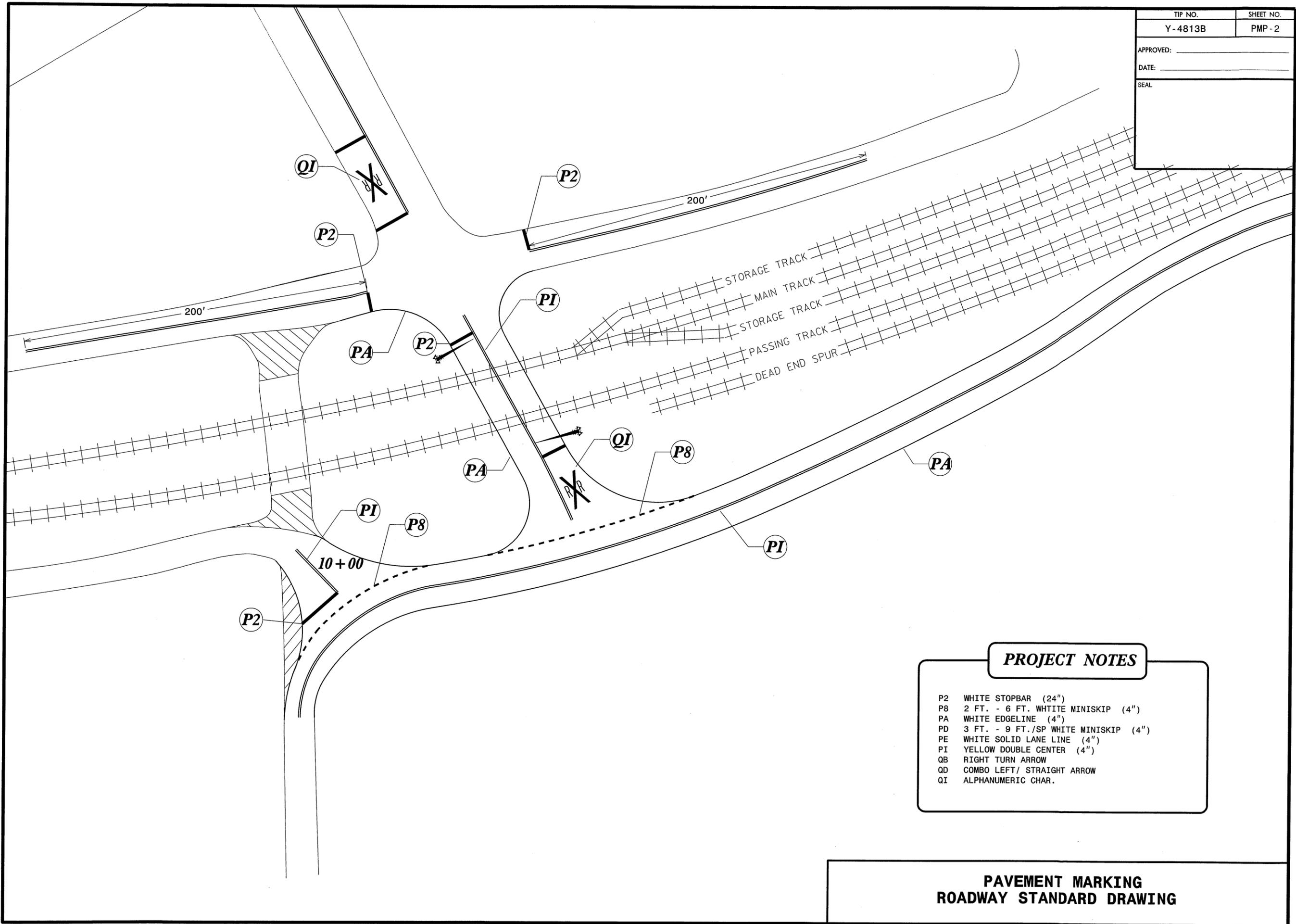
SIGNING & DELINEATION PROJECT DESIGN ENGINEER



*****SYSTEMS*****
*****DESIGN*****
*****DRAWING*****
*****DATE*****

CONTRACT:

TIP NO.	SHEET NO.
Y-4813B	PMP-2
APPROVED: _____	
DATE: _____	
SEAL	



PROJECT NOTES

- P2 WHITE STOPBAR (24")
- P8 2 FT. - 6 FT. WHITE MINISKIP (4")
- PA WHITE EDGELINE (4")
- PD 3 FT. - 9 FT./SP WHITE MINISKIP (4")
- PE WHITE SOLID LANE LINE (4")
- PI YELLOW DOUBLE CENTER (4")
- QB RIGHT TURN ARROW
- QD COMBO LEFT/ STRAIGHT ARROW
- QI ALPHANUMERIC CHAR.

**PAVEMENT MARKING
ROADWAY STANDARD DRAWING**

4/27/2015
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 User:mholifield

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

TIP NO. Y-4813B	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	

SIGNING PLAN

McDowell County

LOCATION: SR-1235 Spring Street, Old Fort

T.I.P.: Y-4813B

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	287	L.F.
4102000000	904	SIGN ERECTION, TYPE E	13	EA.
4108000000	904	ERECTION, TYPE F	9	EA.

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

ROADWAY STANDARD DRAWING

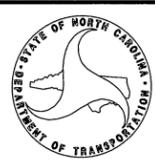
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

- 904.10 ORIENTATION OF GROUND MOUNTED SIGNS
- 904.50 MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PROJECT NOTES

INDEX

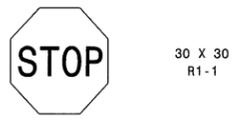
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	E SHEETS
SIGN-3	SIGN DETAIL SHEET



CONTRACT:

APPROVED: _____
 DATE: _____
 SEAL

QUANTITY REQ'D 4



ONE "U" POST PER SIGN

QUANTITY REQ'D 1



ONE "U" POST PER SIGN

QUANTITY REQ'D 1



M4-5
24" X 12"

ONE "U" POST PER SIGN

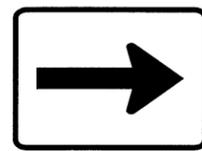
QUANTITY REQ'D 1



M1-4

ONE "U" POST PER SIGN

QUANTITY REQ'D 1



M6-1

21" X 15"
ONE "U" POST PER SIGN

QUANTITY REQ'D 2



W10-1
36" DIA.

ONE "U" POST PER SIGN

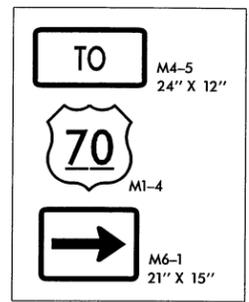
TYPE "E" or "F" SIGNS

4/24/2015 1:10:14 PM C:\XP-er-fu\SpringSt_SRI235_OldFort\Construction\CON_SPRING_Sgn_SGN.dgn User:dmckinnel

TIP NO.	SHEET NO.
Y-4813B	SIGN - 3
APPROVED: _____	
DATE: _____	
SEAL	



(A)



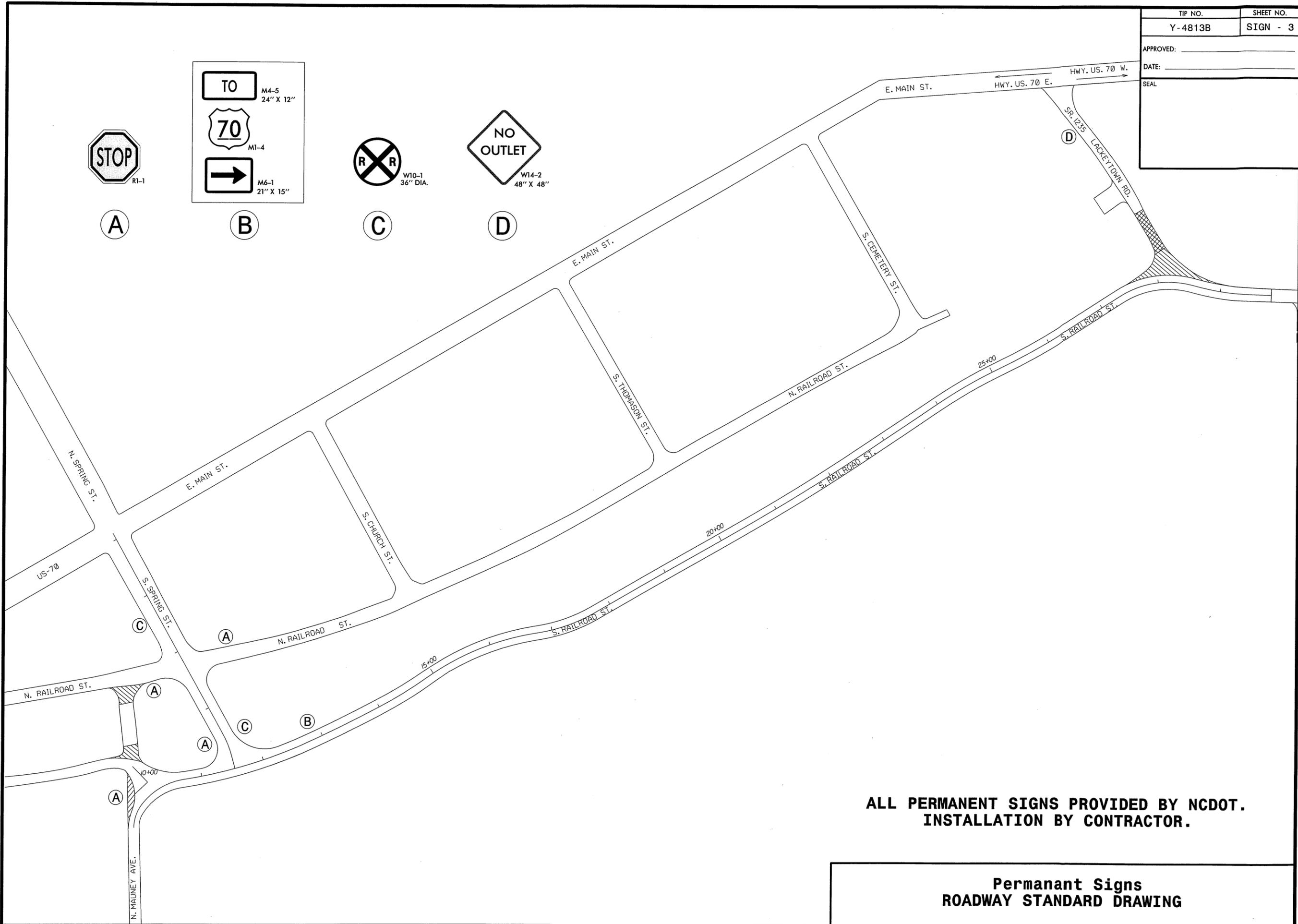
(B)



(C)



(D)



**ALL PERMANENT SIGNS PROVIDED BY NCDOT.
INSTALLATION BY CONTRACTOR.**

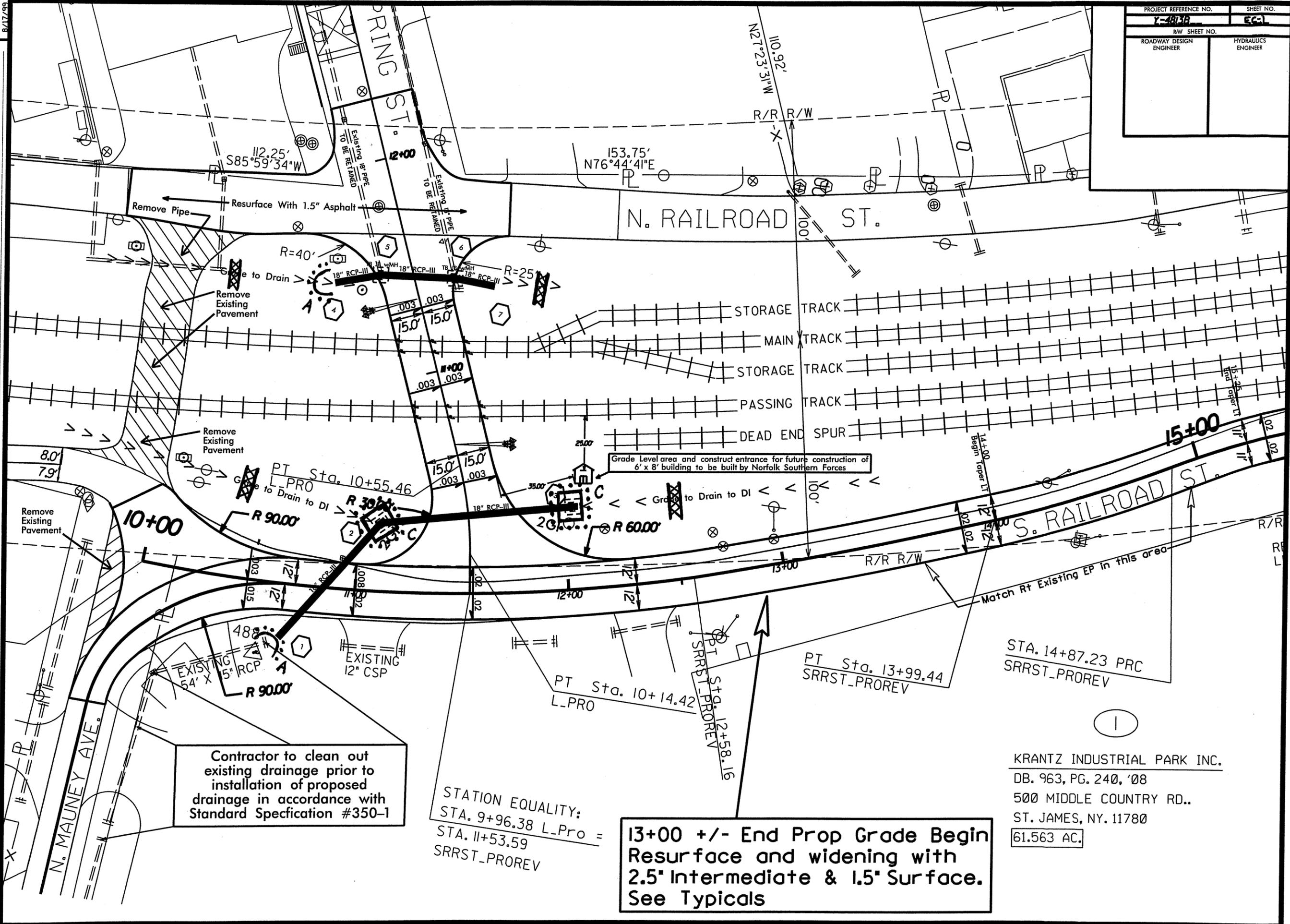
**Permant Signs
ROADWAY STANDARD DRAWING**

4/27/2015
Z:\SpringSt_Signs\Construction\CON_SPRING_Sgn_SGN.dgn
User: jhollifield

8/17/95

PROJECT REFERENCE NO. Y-403B	SHEET NO. EG-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



Contractor to clean out existing drainage prior to installation of proposed drainage in accordance with Standard Specification #350-1

STATION EQUALITY:
STA. 9+96.38 L-Pro =
STA. 11+53.59
SRRST_PROREV

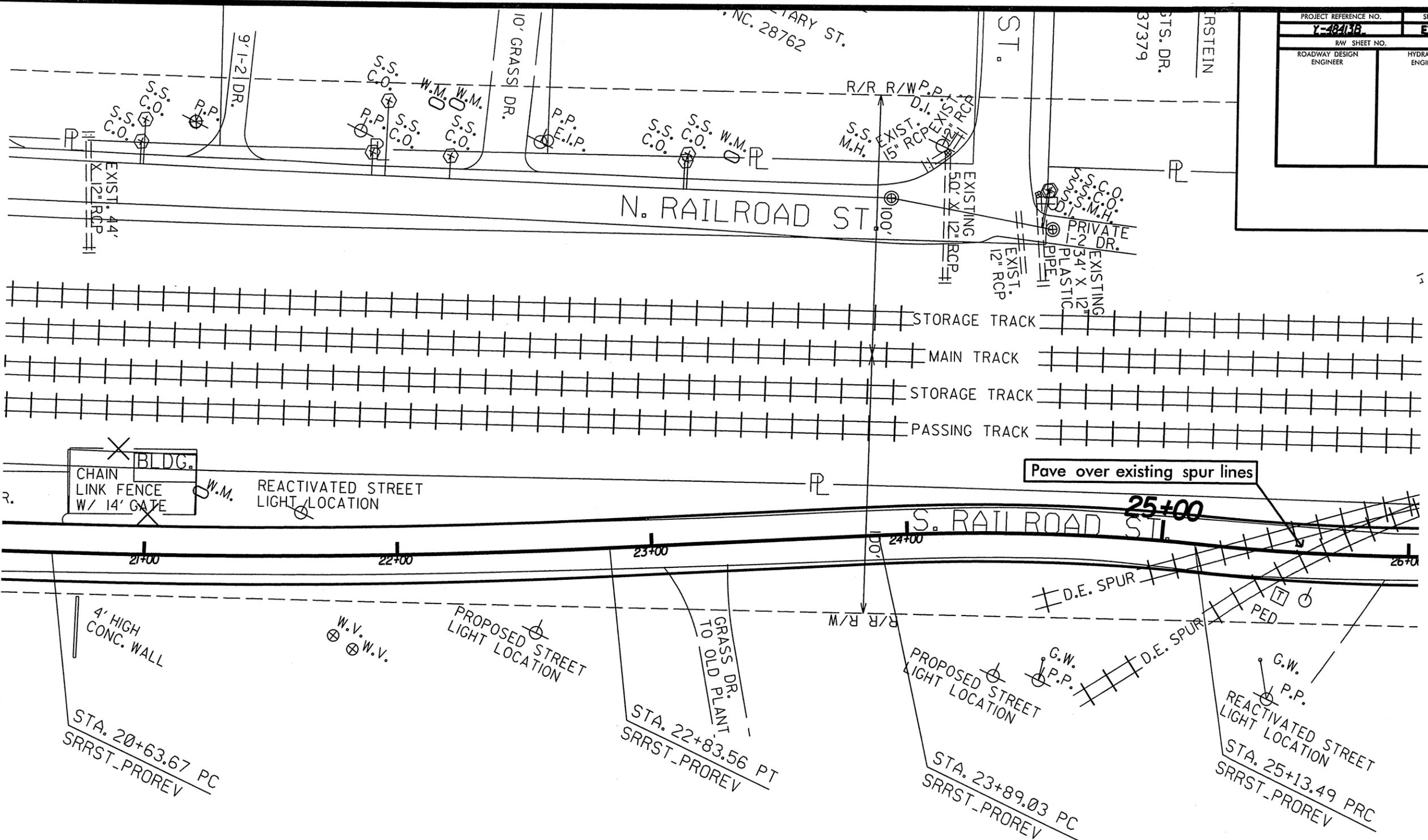
**13+00 +/- End Prop Grade Begin
Resurface and widening with
2.5" Intermediate & 1.5" Surface.
See Typical**

STA. 14+87.23 PRC
SRRST_PROREV

KRANTZ INDUSTRIAL PARK INC.
DB. 963, PG. 240, '08
500 MIDDLE COUNTRY RD..
ST. JAMES, NY. 11780
61.563 AC.

SYSTEM TIME
8/17/95 10:00 AM

PROJECT REFERENCE NO. 7-4241-16	SHEET NO. EG-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

SYSTEMS
 ENGINEERING
 CONSULTANTS
 INC.
 10000
 WILSON
 AVENUE
 SUITE 100
 WILSON
 N.C. 27157

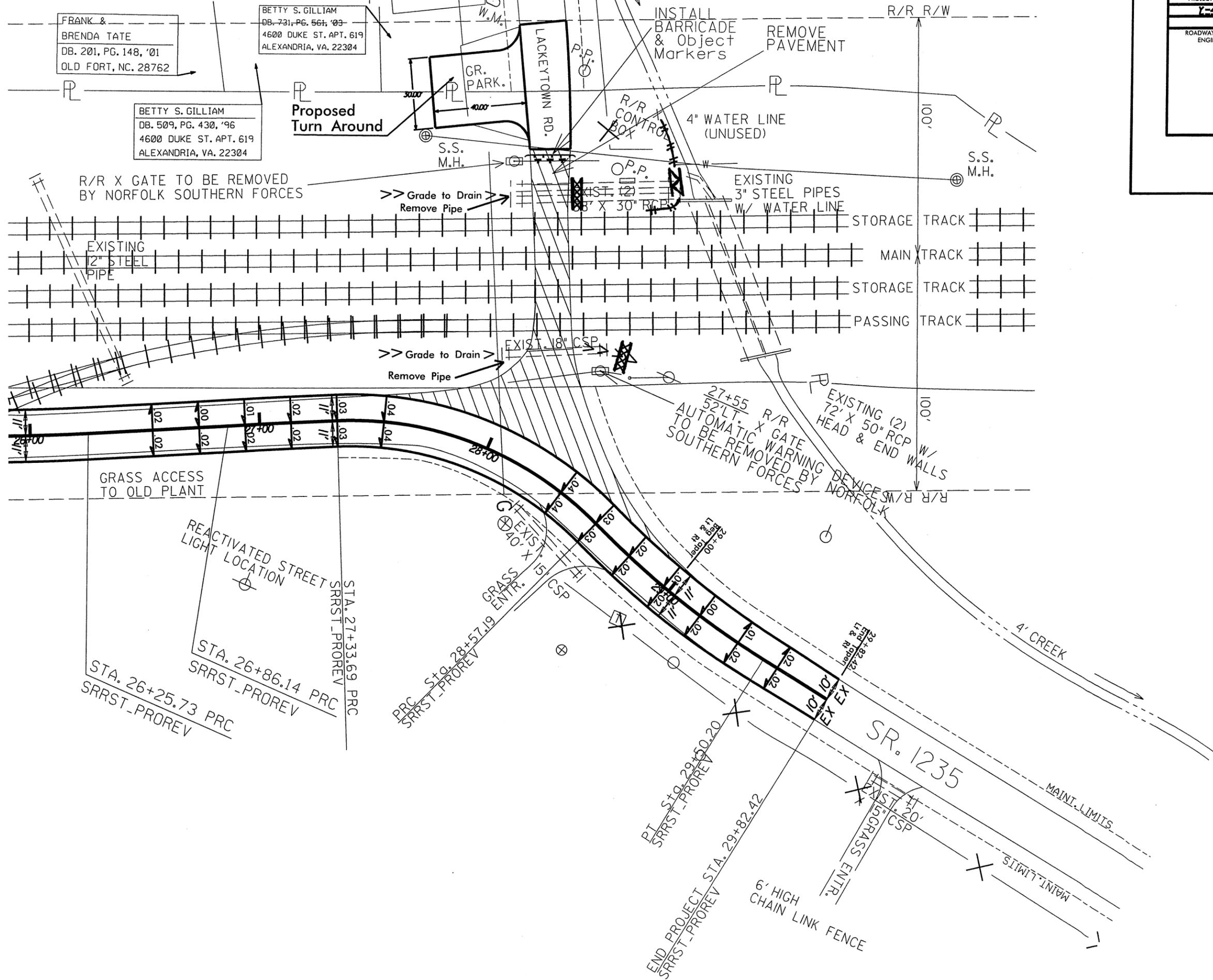
8/17/99

FRANK &
BRENDA TATE
DB. 201, PG. 148, '01
OLD FORT, NC. 28762

BETTY S. GILLIAM
DB. 731, PG. 561, '03
4600 DUKE ST. APT. 619
ALEXANDRIA, VA. 22304

BETTY S. GILLIAM
DB. 509, PG. 430, '96
4600 DUKE ST. APT. 619
ALEXANDRIA, VA. 22304

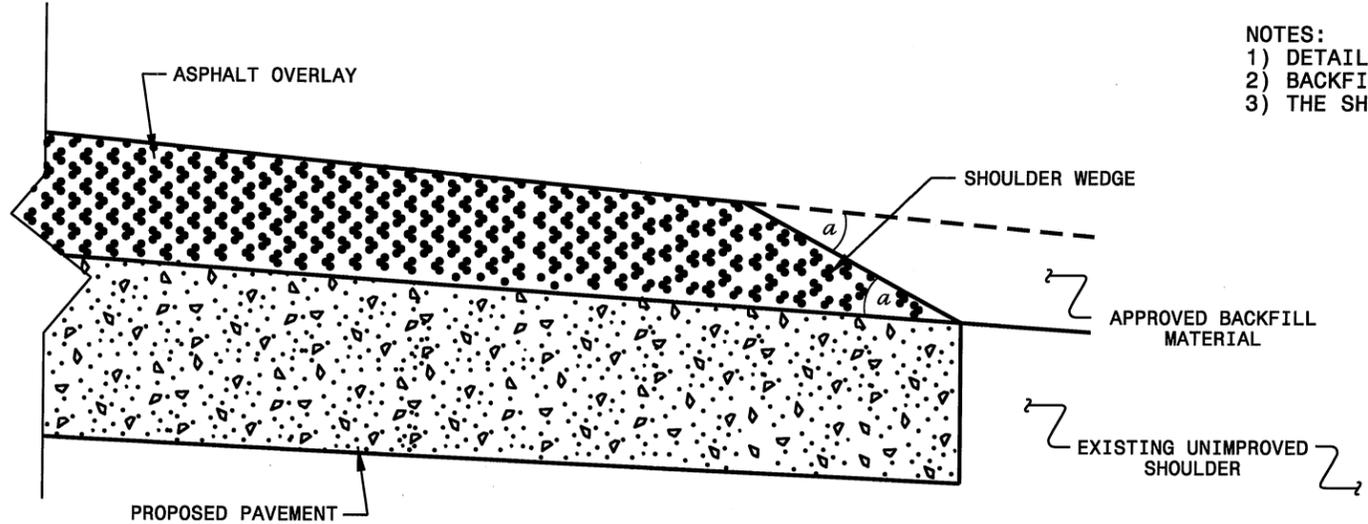
PROJECT REFERENCE NO. Y-4813A	SHEET NO. EC-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



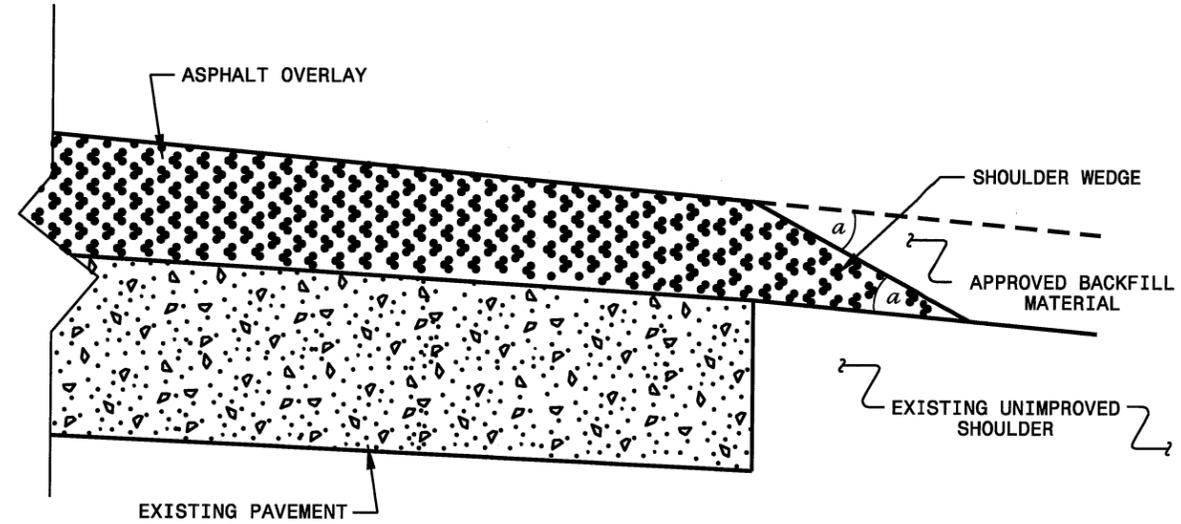
REVISIONS

SYSTEMS
CONSULTANTS

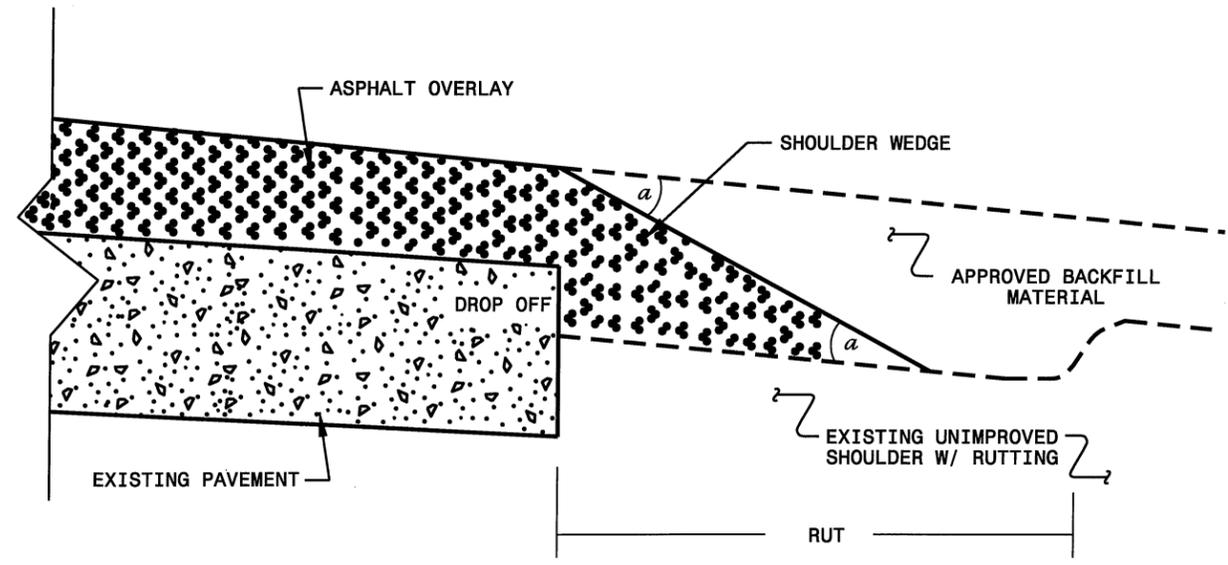
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

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

**SHOULDER WEDGE
 DETAILS**

ORIGINAL BY: T.SPELL DATE: 7-19-11
 MODIFIED BY: DATE: 10/16/12
 CHECKED BY: DATE:
 FILE SPEC: s:\usr\details\stand\shoulderwedgedetail.dgn

 SYSTEMS
 USER NAME
