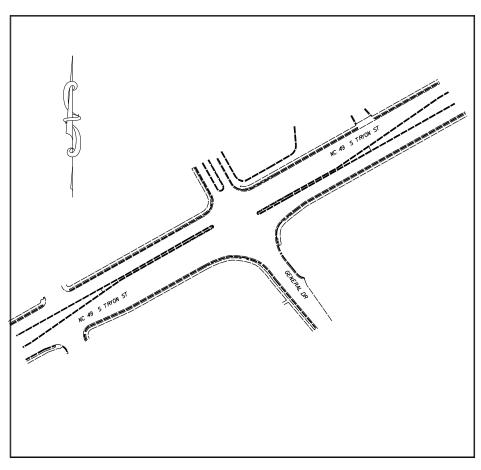


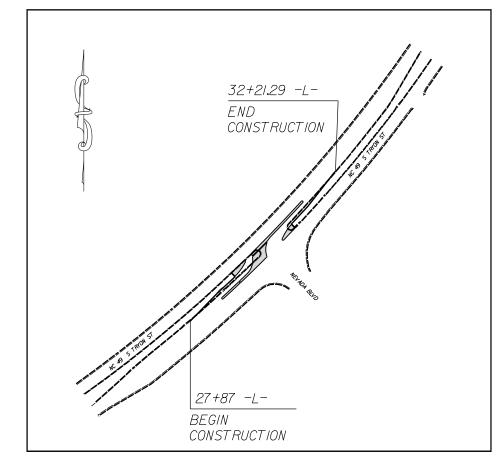
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

# MECKLENBURG COUNTY

LOCATION: INTERSECTION OF NC 49 (SOUTH TRYON ST) AND GENERAL DRIVE AND INTERSECTION OF NC 49 (SOUTH TRYON ST) AND NEVADA BLVD. (SR-1347)

TYPE OF WORK: GRADING, DRAINAGE, MILLING, PAVING, CONCRETE MONOLITHIC ISLANDS, CURB & GUTTER, THERMOPLASTIC PAVEMENT MARKINGS, AND SIGNALS





N.C.

49291.1.5

49291.2.5

49291.3.5

49291.3.5

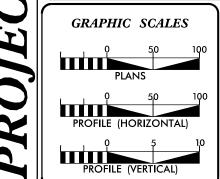
0049040

0049040

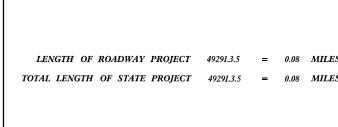
0049040

1

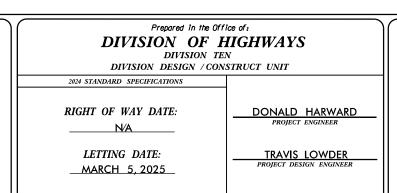
CONST.

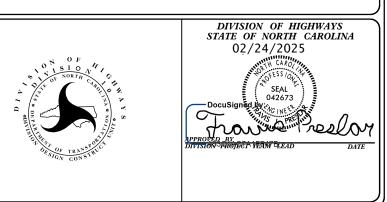


# **DESIGN DATA**



PROJECT LENGTH





STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

TROJECT REFERENCE INC.	
49291.3.5	

# CONVENTIONAL PLAN SHEET SYMBOLS

State Line —	
County Line	
Township Line —	
City Line	
Reservation Line —	
Property Line	
Existing Iron Pin (EIP)	<u>.</u>
Computed Property Corner —	×
Existing Concrete Monument (ECM)	
Parcel/Sequence Number ————	<u> </u>
Existing Fence Line	××
Proposed Woven Wire Fence	<del>_</del>
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Proposed Wetland Boundary ————	
Existing Endangered Animal Boundary —	
Existing Endangered Plant Boundary ——	
	——— нрв
Known Contamination Area: Soil	
Potential Contamination Area: Soil ———	- <b>3</b> % - s - <b>3</b> % - s
Known Contamination Area: Water	
Potential Contamination Area: Water —	
Contaminated Site: Known or Potential —	
BUILDINGS AND OTHER CUI	
Gas Pump Vent or U/G Tank Cap ———	<u> </u>
Sign —	<u> </u>
Well —	<b>v</b>
Small Mine	<b>─</b>
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 ———————————————————————————————————	
Buffer Zone 2 ———————————————————————————————————	<del></del>
	•
Flow Arrow	_>

Standard Gauge  RR Signal Milepost  Switch  RR Abandoned  RR Dismantled  RR Dismantled  RRIGHT OF WAY & PROJECT CONTROL:  Primary Horiz and Vert Control Point  Primary Horiz and Vert Control Point  Secondary Horiz and Vert Control Point  Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Rebar and Cap)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Proposed C/A Monument (Rebar and Cap)  Existing Right of Way Line  Proposed Control of Access Line  Proposed Temporary Construction Easement  Proposed Temporary Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Temporary Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
RR Signal Milepost  Switch  RR Abandoned  RR Dismantled  RRIGHT OF WAY & PROJECT CONTROL:  Primary Horiz and Vert Control Point  Primary Horiz and Vert Control Point  Secondary Horiz and Vert Control Point  Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Concrete)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing CA Monument (Rebar and Cap)  Proposed CA Monument (Rebar and Cap)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Right of Way Line  Existing Control of Access Line  Proposed Control of Access Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Permanent Utility Easement  Proposed Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Arial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	RTATION
RR Abandoned  RR Dismantled  RIGHT OF WAY & PROJECT CONTROL:  Primary Horiz and Vert Control Point  Secondary Horiz and Vert Control Point  Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Rebar and Cap)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing CA Monument (Rebar and Cap)  Proposed CA Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed CA Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Row and CA Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Permanent Utility Easement  Proposed Remorary Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	
RR Dismantled  RRIGHT OF WAY & PROJECT CONTROL:  Primary Horiz and Vert Control Point  Perimary Horiz and Vert Control Point  Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Concrete)  Existing CA Monument (Rebar and Cap)  Proposed CA Monument (Rebar and Cap)  Proposed CA Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Right of Way Line  Proposed CA Monument (Concrete)  Existing Right of Way Line  Proposed Row and CA Line  Proposed Temporary Construction Easement  Proposed Temporary Drainage Easement  Proposed Permanent Drainage Utility Easement  Proposed Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	
RIGHT OF WAY & PROJECT CONTROL:  Primary Horiz and Vert Control Point Secondary Horiz and Vert Control Point  Vertical Benchmark  Existing Right of Way Monument (Rebar and Cap) Proposed Right of Way Monument (Concrete) Existing Permanent Easement Monument (Rebar and Cap) Existing C/A Monument (Rebar and Cap) Existing Right of Way Line Proposed C/A Monument (Rebar and Cap) Existing Right of Way Line Proposed Right of Way Line Existing Control of Access Line Proposed Control of Access Line Proposed Temporary Construction Easement Proposed Permanent Drainage Easement Proposed Permanent Utility Easement Proposed Permanent Utility Easement Proposed Aerial Utility Easement Proposed Slope Stakes Cut Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Stakes Fill  Proposed Stakes Fill  Proposed Stakes Fill  Proposed Stakes Fill	
Primary Horiz and Vert Control Point  Secondary Horiz and Vert Control Point  Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Concrete)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing C/A Monument  (Rebar and Cap)  Existing C/A Monument  (Rebar and Cap)  Existing Right of Way Line  Proposed C/A Monument (Concrete)  Existing Right of Way Line  Proposed Row and CA Line  Existing Easement Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Primary Horiz and Vert Control Point  Secondary Horiz and Vert Control Point  Proposed Right of Way Monument (Rebar and Cap) Proposed Right of Way Monument (Concrete)  Existing Permanent Easement Monument (Rebar and Cap)  Proposed Permanent Easement Monument (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Proposed C/A Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Control of Access Line  Proposed Control of Access Line  Proposed Temporary Construction Easement  Proposed Temporary Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Concrete)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing C/A Monument  Proposed C/A Monument (Rebar and Cap)  Existing Right of Way Line  Proposed Right of Way Line  Existing Control of Access Line  Proposed Row and CA Line  Existing Easement Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Existing Edge of Pavement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	
Vertical Benchmark  Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument  (Concrete)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing C/A Monument  Proposed C/A Monument (Rebar and Cap)  Existing Right of Way Line  Proposed Right of Way Line  Existing Control of Access Line  Proposed Row and CA Line  Existing Easement Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Existing Edge of Pavement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	
Existing Right of Way Monument  (Rebar and Cap)  Proposed Right of Way Monument (Concrete)  Existing Permanent Easement Monument (Rebar and Cap)  Existing Permanent Easement Monument (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Existing Right of Way Line  Proposed C/A Monument (Concrete)  Existing Right of Way Line  Proposed Row and CA Line  Existing Easement Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  A  A  A  A  A  A  A  A  A  A  A  A	
Proposed Right of Way Monument (Rebar and Cap)  Proposed Right of Way Monument (Concrete)  Existing Permanent Easement Monument (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Proposed C/A Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Control of Access Line  Proposed ROW and CA Line  Existing Easement Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
(Rebar and Cap)  Proposed Right of Way Monument (Concrete)  Existing Permanent Easement Monument (Rebar and Cap)  Existing C/A Monument (Rebar and Cap)  Existing Right of Way Line  Proposed Control of Access Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	
(Concrete)  Existing Permanent Easement Monument  (Rebar and Cap)  Existing C/A Monument  Proposed C/A Monument (Rebar and Cap)  Existing Right of Way Line  Proposed Control of Access Line  Proposed ROW and CA Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  ROADS AND RELATED FEATURES:  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill	
Proposed Permanent Easement Monument (Rebar and Cap)  Existing C/A Monument Proposed C/A Monument (Rebar and Cap)  Existing Right of Way Line Proposed Right of Way Line Proposed Control of Access Line Proposed ROW and CA Line Proposed Temporary Construction Easement Proposed Permanent Drainage Easement Proposed Permanent Drainage Easement Proposed Permanent Utility Easement Proposed Temporary Utility Easement Proposed Aerial Utility Easement Proposed Aerial Utility Easement Proposed Slope Stakes Cut Proposed Slope Stakes Fill	
(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 Proposed Control of Access Line Proposed ROW and CA Line Proposed Temporary Construction Easement Proposed Temporary Drainage Easement Proposed Permanent Drainage Easement Proposed Permanent Drainage Easement Proposed Permanent Utility Easement Proposed Temporary Utility Easement Proposed Permanent Utility Easement Proposed Aerial Utility Easement Proposed Aerial Utility Easement Proposed Slope Stakes Cut Proposed Slope Stakes Fill	
Proposed C/A Monument (Rebar and Cap)  Proposed C/A Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Control of Access Line  Proposed ROW and CA Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Row  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Proposed C/A Monument (Concrete)  Existing Right of Way Line  Proposed Right of Way Line  Proposed Control of Access Line  Proposed ROW and CA Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed ROW and CA Line  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Existing Right of Way Line  Proposed Right of Way Line  Existing 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 Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Proposed Right of Way Line  Proposed Control of Access Line  Proposed Control of Access Line  Proposed ROW and CA 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 Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed ROW and CA Line  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Proposed Control of Access Line  Proposed ROW and CA Line  Proposed Temporary Construction Easement  Proposed Permanent Drainage Easement  Proposed Permanent Drainage Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Permanent Utility Easement  Proposed Temporary Utility Easement  Proposed Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
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 Permanent Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
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 Temporary Utility Easement  Proposed Aerial Utility Easement  Proposed Aerial Utility Easement  Proposed AND RELATED FEATURES:  Existing Edge of Pavement  Proposed Slope Stakes Cut  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill  Proposed Slope Stakes Fill	
Proposed Temporary Construction Easement — E— Proposed Temporary Drainage Easement — TDE— Proposed Permanent Drainage Easement — PDE— Proposed Permanent Drainage Easement — DUE— Proposed Permanent Utility Easement — PUE— Proposed Temporary Utility Easement — TUE— Proposed Aerial Utility Easement — AUE— Proposed Aerial Utility Easement — AUE— Proposed And RELATED FEATURES: Existing Edge of Pavement — Existing Curb — — — Existing Curb — — — — — — — — — — — — — — — — — — —	
Proposed Temporary Construction EasementE	
Proposed Temporary Drainage Easement	
Proposed Permanent Drainage Easement — PDE— Proposed Permanent Drainage/Utility Easement — DUE— Proposed Permanent Utility Easement — PUE— Proposed Temporary Utility Easement — TUE— Proposed Aerial Utility Easement — AUE— PROADS AND RELATED FEATURES: Existing Edge of Pavement — Existing Curb — — — Existing Curb — — — — — — — — — — — — — — — — — — —	
Proposed Permanent Drainage/Utility Easement	
Proposed Permanent Utility Easement	
Proposed Temporary Utility Easement	
Proposed Aerial Utility Easement         ————————————————————————————————————	
ROADS AND RELATED FEATURES:  Existing Edge of Pavement	
Existing Edge of Pavement	
Existing Curb ————————————————————————————————————	
Proposed Slope Stakes Cut $\frac{c}{F}$	
Proposed Slope Stakes Fill	
Proposed Curb Ramp — CR	
ixisting Metal Guardrail ————————————————————————————————————	т_
roposed Guardrail —	т_
ixisting Cable Guiderail	0
roposed Cable Guiderail ————————————————————————————————————	
iquality Symbol ——————	
ravement Removal — XXXX	R
VEGETATION:	
ingle Tree	
ingle Shrub ———	

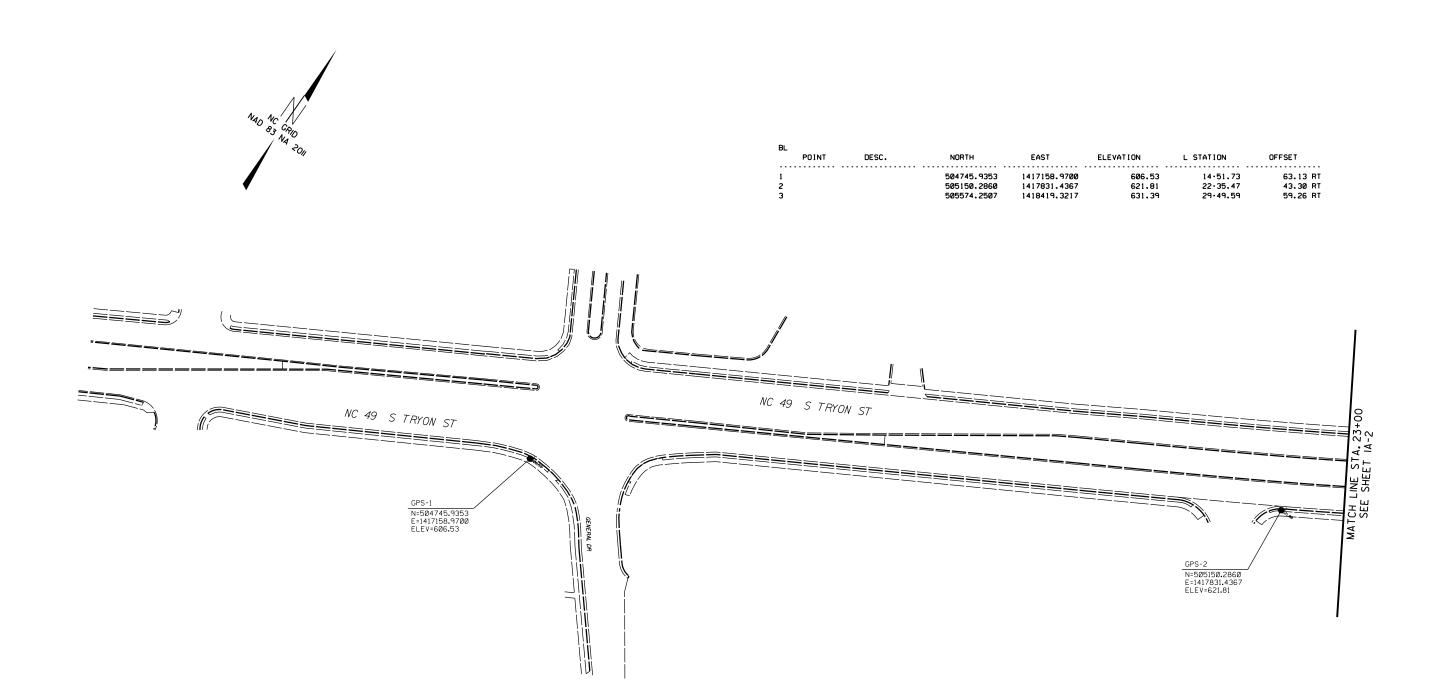
Hedge

ds Line —————		Water Manhole —————	W
ard ————	හි හි හි හි	Water Meter —	0
ard ———	Vineyard	Water Valve	$\otimes$
ISTING STRUCTURES:		Water Hydrant ————	⋄≎
		U/G Water Line Test Hole (SUE – LOS A)*—	•
PR: ge, Tunnel or Box Culvert ————————————————————————————————————	CONC	U/G Water Line (SUE — LOS B)* ————	
		U/G Water Line (SUE — LOS C)*	
ge Wing Wall, Head Wall and End Wall – DR:	J conc ww (	U/G Water Line (SUE — LOS D)*	
d and End Wall —————	CONC HW	Above Ground Water Line ————	
Culvert —		TV:	
bridge ————————————————————————————————————		TV Pedestal —————	C
nage Box: Catch Basin, DI or JB ———		TV Tower —	$\otimes$
d Ditch Gutter		U/G TV Cable Hand Hole —————	HH
n Sewer Manhole —		U/G TV Test Hole (SUE – LOS A)*	•
m Sewer ———————————————————————————————————		U/G TV Cable (SUE – LOS B)*	
		U/G TV Cable (SUE – LOS C)*	
ILITIES: SUE – Subsurface Utility Engineering		U/G TV Cable (SUE – LOS D)*	
OS – Level of Service – A,B,C or D	(Accuracy)	U/G Fiber Optic Cable (SUE – LOS B)*	
ER:	. ,,	U/G Fiber Optic Cable (SUE – LOS C)*	
ing Power Pole ————————————————————————————————————	•	U/G Fiber Optic Cable (SUE – LOS D)*	
osed Power Pole —————	6		
ing Joint Use Pole ——————		GAS: Gas Valve	$\Diamond$
osed Joint Use Pole —	<b>-</b>	Gas Meter —	<b>\$</b>
er Manhole ————	P	U/G Gas Line Test Hole (SUE – LOS A)* —	▼
er Line Tower	$\boxtimes$	U/G Gas Line (SUE – LOS B)*	_
er Transformer	<b>Z</b>	U/G Gas Line (SUE – LOS C)*	
Power Cable Hand Hole	H <sub>H</sub>	U/G Gas Line (SUE – LOS D)*	
rame Pole	-	Above Ground Gas Line	
Power Line Test Hole (SUE – LOS A)*	•		
Power Line (SUE – LOS B)*	_	SANITARY SEWER:	
Power Line (SUE – LOS C)*		Sanitary Sewer Manhole	•
Power Line (SUE – LOS D)*		Sanitary Sewer Cleanout ————————————————————————————————————	<b>⊕</b>
		U/G Sanitary Sewer Line —	A/G Sanitary Sewer
HONE: ing Telephone Pole ————————————————————————————————————		Above Ground Sanitary Sewer	
	~	SS Force Main Line Test Hole (SUE – LOS A)*	
osed Telephone Pole —	<b>-0</b> -	SS Force Main Line (SUE – LOS B)*	
phone Manhole	① -	SS Force Main Line (SUE – LOS C)*	
phone Pedestal ——————		SS Force Main Line (SUE – LOS D)*	FSS
phone Cell Tower ————————————————————————————————————	<b>.</b>	MISCELLANEOUS:	
Telephone Cable Hand Hole	H <sub>H</sub>	Utility Pole ————	•
Telephone Test Hole (SUE – LOS A)*	•	Utility Pole with Base —————	
Telephone Cable (SUE – LOS B)*		Utility Located Object —————	⊙
Telephone Cable (SUE – LOS C)*		Utility Traffic Signal Box —————	S
Telephone Cable (SUE – LOS D)*		Utility Unknown U/G Line (SUE - LOS B)* —	?UTL
Telephone Conduit (SUE – LOS B)* ——		U/G Tank; Water, Gas, Oil —————	
Telephone Conduit (SUE – LOS C)* ——		Underground Storage Tank, Approx. Loc. ——	UST
Telephone Conduit (SUE – LOS D)*	тс	A/G Tank; Water, Gas, Oil —————	
Fiber Optics Cable (SUE – LOS B)* ——	t FO	Geoenvironmental Boring ————————————————————————————————————	•
Fiber Optics Cable (SUE – LOS C)*		Abandoned According to Utility Records —	AATUR
Tibel Oplics Cubie (30L - LO3 C)		g ,	

WATER:

PROJECT NO.	SHEET NO.	
49291.3.5	IB-I	
F.A. PROJECT NO.	0049040	

# SURVEY CONTROL SHEET



#### NOTES:

- I. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION 10 DDC UNIT.

  IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION 10 DDC UNIT.

SCALE	/*=50°
DATE	8-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH



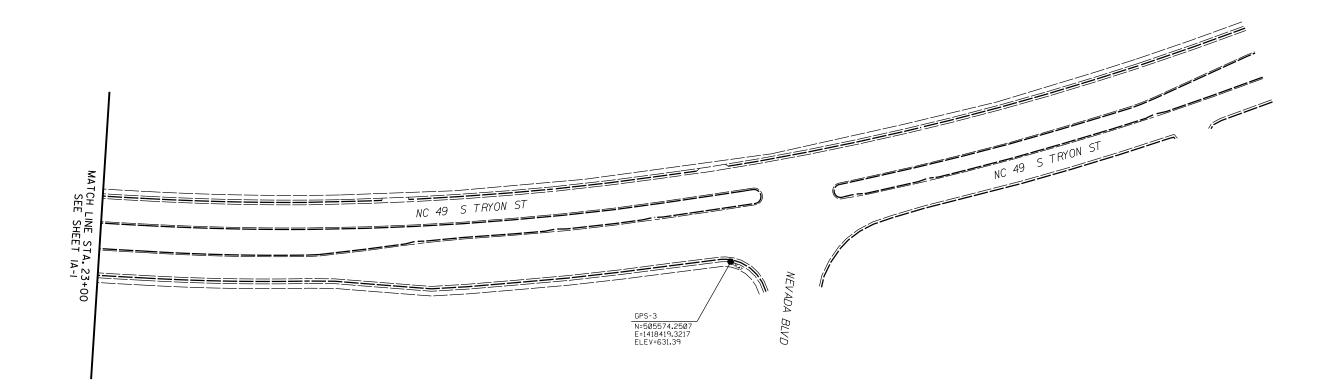
516 N"/	REVISIONS		
8488 F			
OR THANKS THUSE T			

PROJECT NO.	SHEET NO.
49291.3.5	IB-2
F.A. PROJECT NO. 0049040	

# SURVEY CONTROL SHEET



BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
 1 2			504745.9353 505150.2860	1417158.9700	606.53 621.81	14·51.73 22·35.47	63.13 RT 43.30 RT
3			505574.2507	1418419.3217	631.39	29.49.59	59.26 RT



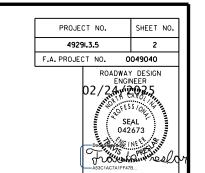
## NOTES:

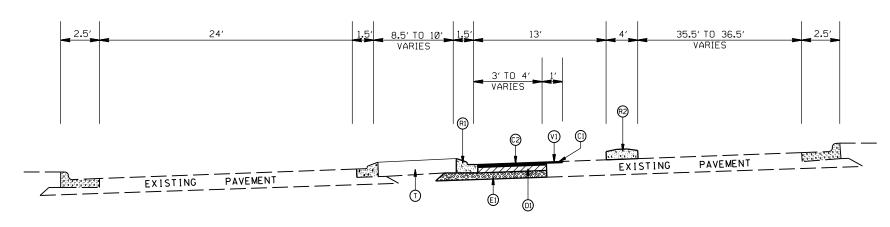
I. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION IO DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION IO DDC UNIT.

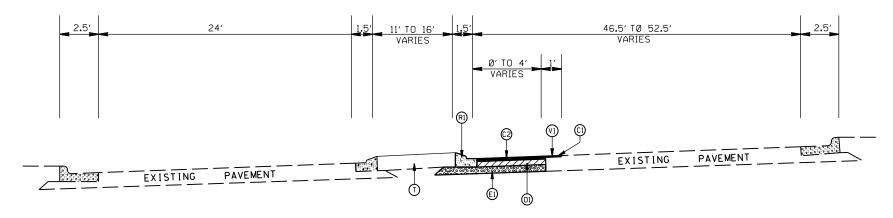
SCALE	/*=50°
DATE	8-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	IDH



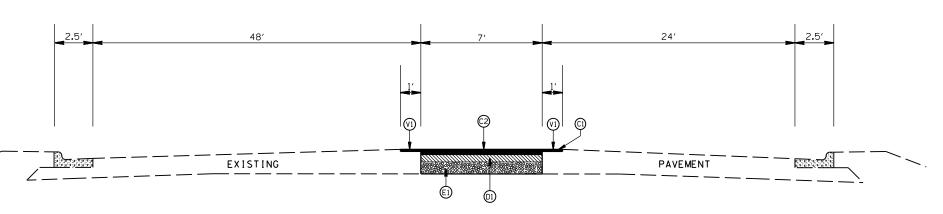




TYPICAL SECTION NO. 3 STA.28+67.00 TO 28+93.00 -L-



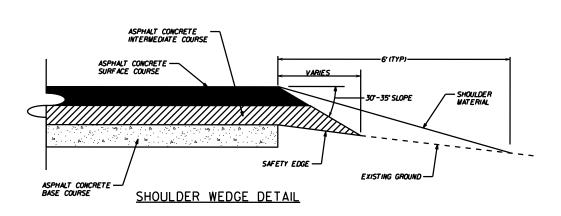
TYPICAL SECTION NO. 2 STA.27+87.00 TO 28+67.00 -L-



TYPICAL SECTION NO. 1 STA.15+46.25 TO 15+71.00 -L-

# PAVEMENT SCHEDULE

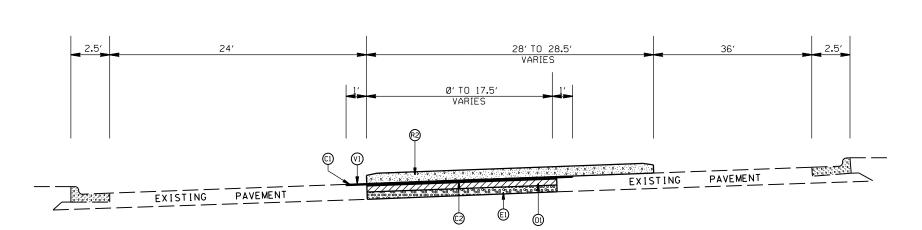
(C1)	PROP.APPROX.1½"ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
(C2)	PROP.APPROX.1½" ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 456 LBS. PER SO. YD.
E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SO. YD.
(R1)	PROP.1'-6" CONC. CURB & GUTTER
R2)	PROP.5" MONOLITHIC ISLAND (SURFACE MOUNTED)
Ţ	EARTH MATERIAL
V1)	MILLING ASPHALT 1½" PAVEMENT, IN DEPTH



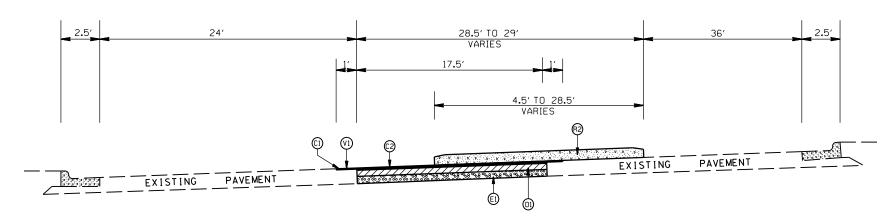
1		
S	CALE	N/A
Б	ATE	II-202 <del>4</del>
Б	WG. BY	JCB
	ESIGN BY	JCB
$\Gamma_{\lambda}$	DDDOVED	IUH



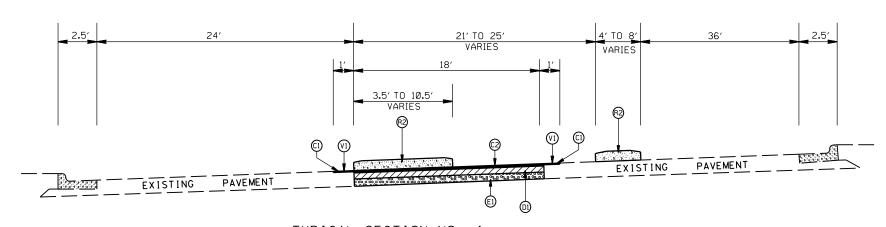
c	REVIS	SIONS
1 × ×		
<b>.</b> ~		



TYPICAL SECTION NO. 6 STA.29+65.00 TO 29+95.00 -L-



TYPICAL SECTION NO. 5 STA.29+31.00 TO 29+65.00 -L-



TYPICAL SECTION NO. 4 STA.28+93.00 TO 29+31.00 -L-

PROJECT NO. SHEET NO.

49291.3.5 2A

F.A. PROJECT NO. 0049040

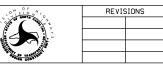
ROADWAY DESIGN ENGINEER

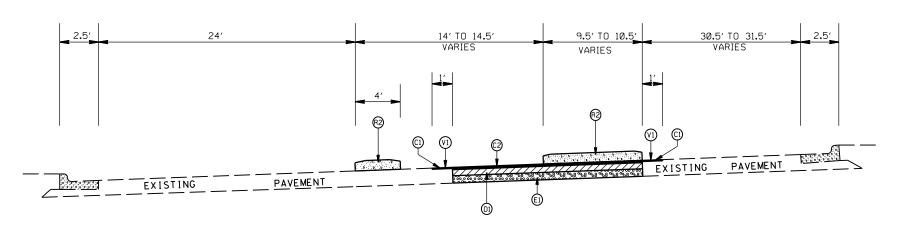
02/24/2005
SEAL O42673
ASCIACATEFATE.

# PAVEMENT SCHEDULE

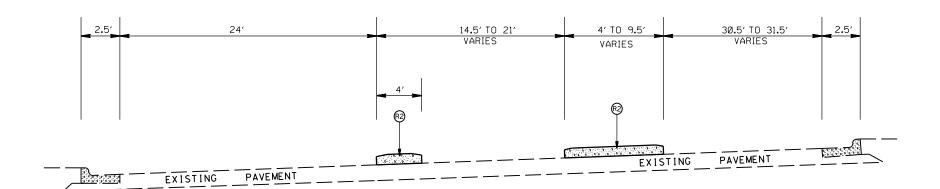
(C1)	PROP.APPROX.1½" ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
(C2)	PROP.APPROX.1½"ASPHALT CONC.SURFACE COURSE,TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SO. YD.
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SO. YD.
R1)	PROP.1'-6" CONC.CURB & GUTTER
R2	PROP.5" MONOLITHIC ISLAND (SURFACE MOUNTED)
T	EARTH MATERIAL
V1)	MILLING ASPHALT $1\frac{1}{2}$ " PAVEMENT, IN DEPTH

SCALE	N/A
DATE	11-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH

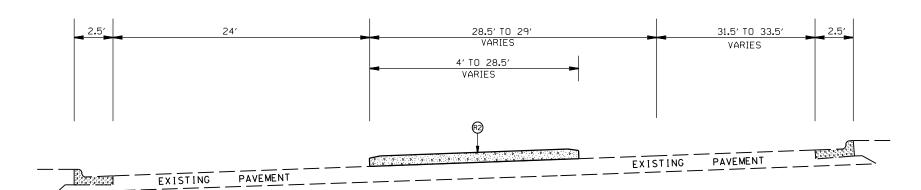




TYPICAL SECTION NO. 9
STA.30+66.00 TO 30+78.00 -L-



TYPICAL SECTION NO. 8
STA.30+42.00 TO 30+66.00 -L-



TYPICAL SECTION NO. 7 STA.29+95.00 TO 30+42.00 -L- PROJECT NO. SHEET NO.

4929I.3.5 2B

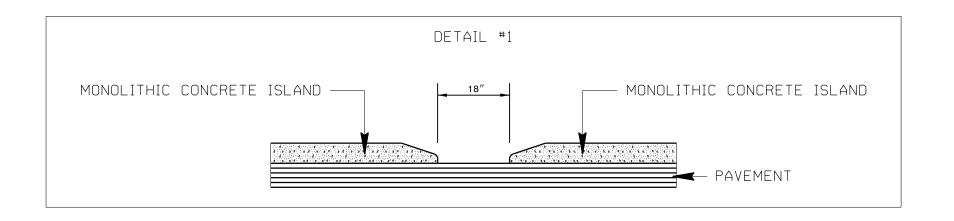
F.A. PROJECT NO. 0049040

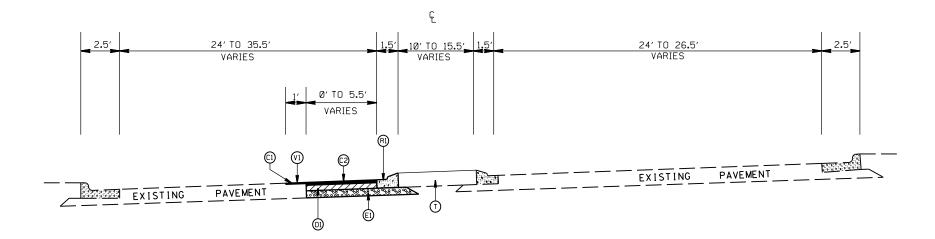
# PAVEMENT SCHEDULE

(C1)	PROP.APPROX.1 $\frac{1}{2}$ " ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
(C2)	PROP.APPROX.1½" ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
R1	PROP.1'-6" CONC. CURB & GUTTER
R2)	PROP.5" MONOLITHIC ISLAND (SURFACE MOUNTED)
T	EARTH MATERIAL
V1	MILLING ASPHALT $1\frac{1}{2}$ " PAVEMENT, IN DEPTH

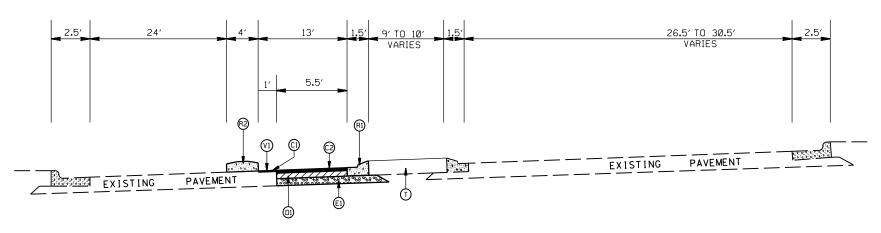
SCALE	N/A
DATE	11-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH







TYPICAL SECTION NO. 11 STA.31+30.00 TO 32+21.29 -L-



TYPICAL SECTION NO.10 STA.30+78.00 TO 31+30.00 -L-

PROJECT NO.	SHEET NO.
49291.3.5	2C
F.A. PROJECT NO.	0049040

ROADWAY DESIGN ENGINEER 02/24/2025
SEAL 042673
SEAL 042673

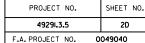
# PAVEMENT SCHEDULE

(C1)	PROP.APPROX.1½" ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
(C2)	PROP.APPROX.1½"ASPHALT CONC.SURFACE COURSE,TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SO. YD.
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SO. YD.
R1)	PROP.1'-6" CONC.CURB & GUTTER
R2	PROP.5" MONOLITHIC ISLAND (SURFACE MOUNTED)
T	EARTH MATERIAL
V1)	MILLING ASPHALT $1\frac{1}{2}$ " PAVEMENT, IN DEPTH

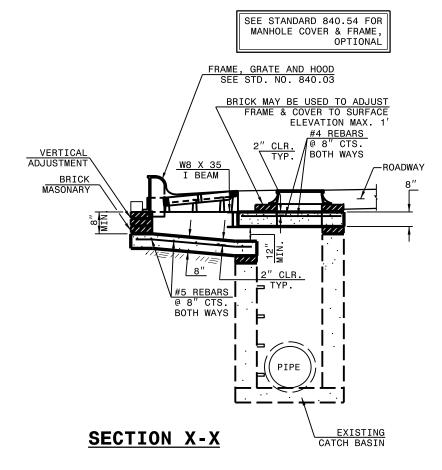
SCALE	N/A
DATE	11-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH

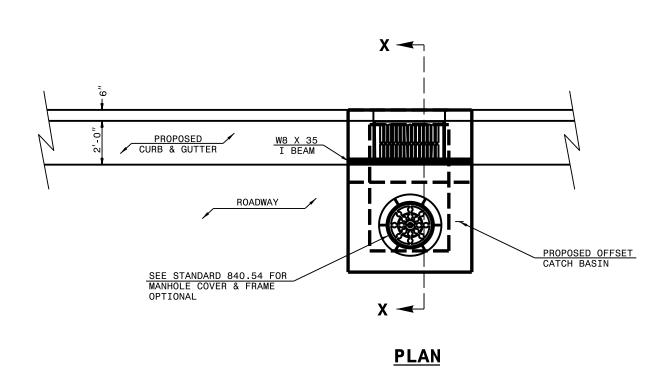


# CONVERSION OF EXISTING CATCH BASIN TO OFFSET CATCH BASIN









#### NOTES:

MORTAR JOINTS  $\frac{1}{2}$ " TO  $\frac{1}{4}$ " THICK.

USE CLASS "B" CONCRETE THROUGHOUT.

USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED. USE BRICK OR CONCRETE BLOCK WHICH COMPLIES WITH THE REQUIREMENTS OF SECTION 840 OF THE STANDARD SPECIFICATIONS.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.

ALL CONVERSIONS SHALL BE ACCORDANCE WITH SECTION 859 OF THE STANDARD SPECIFICATIONS.

DIMENSIONS MAY BE ADJUSTED BY THE ENGINEER.

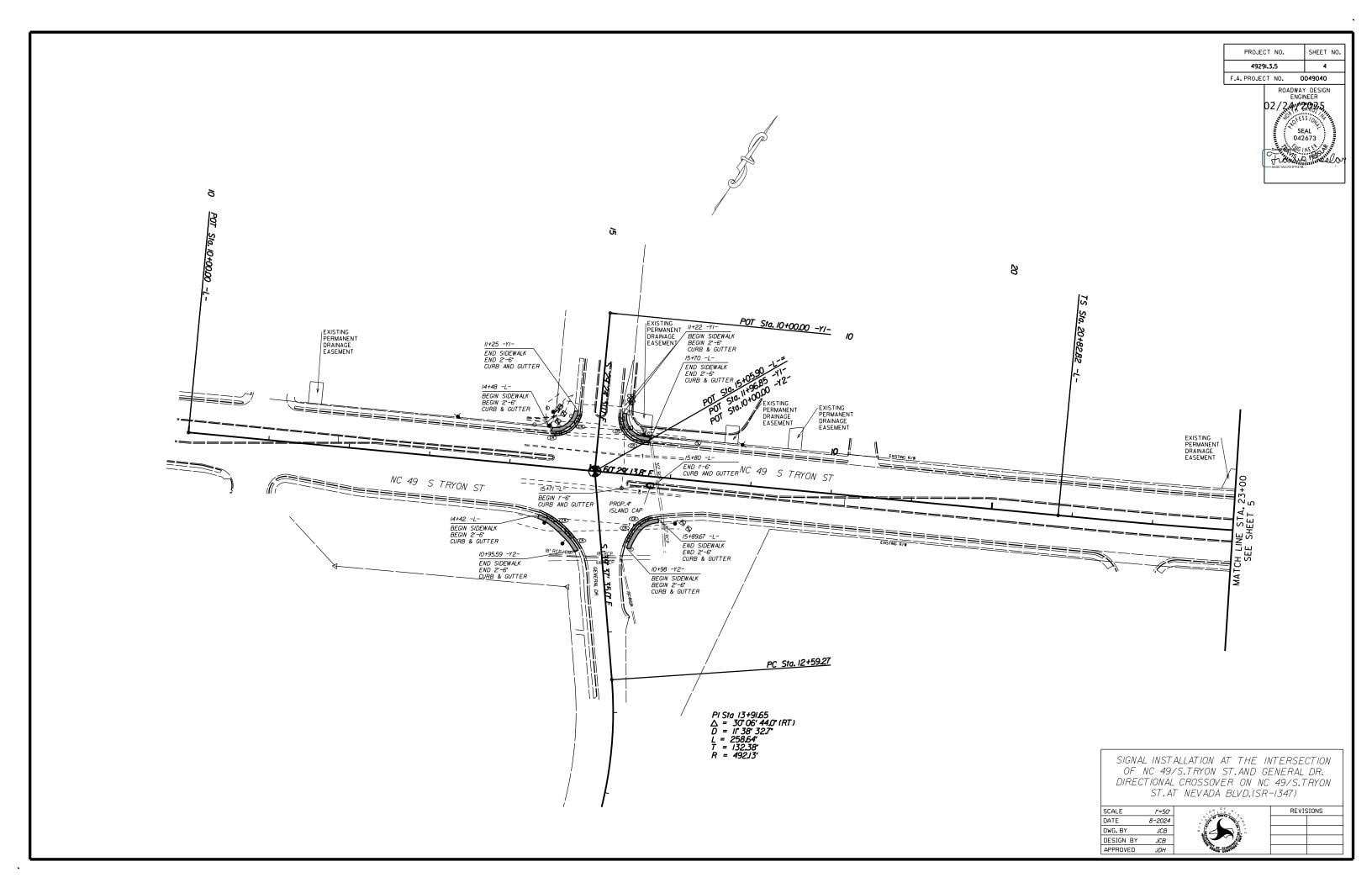
SCALE	N/A
DATE	11-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH

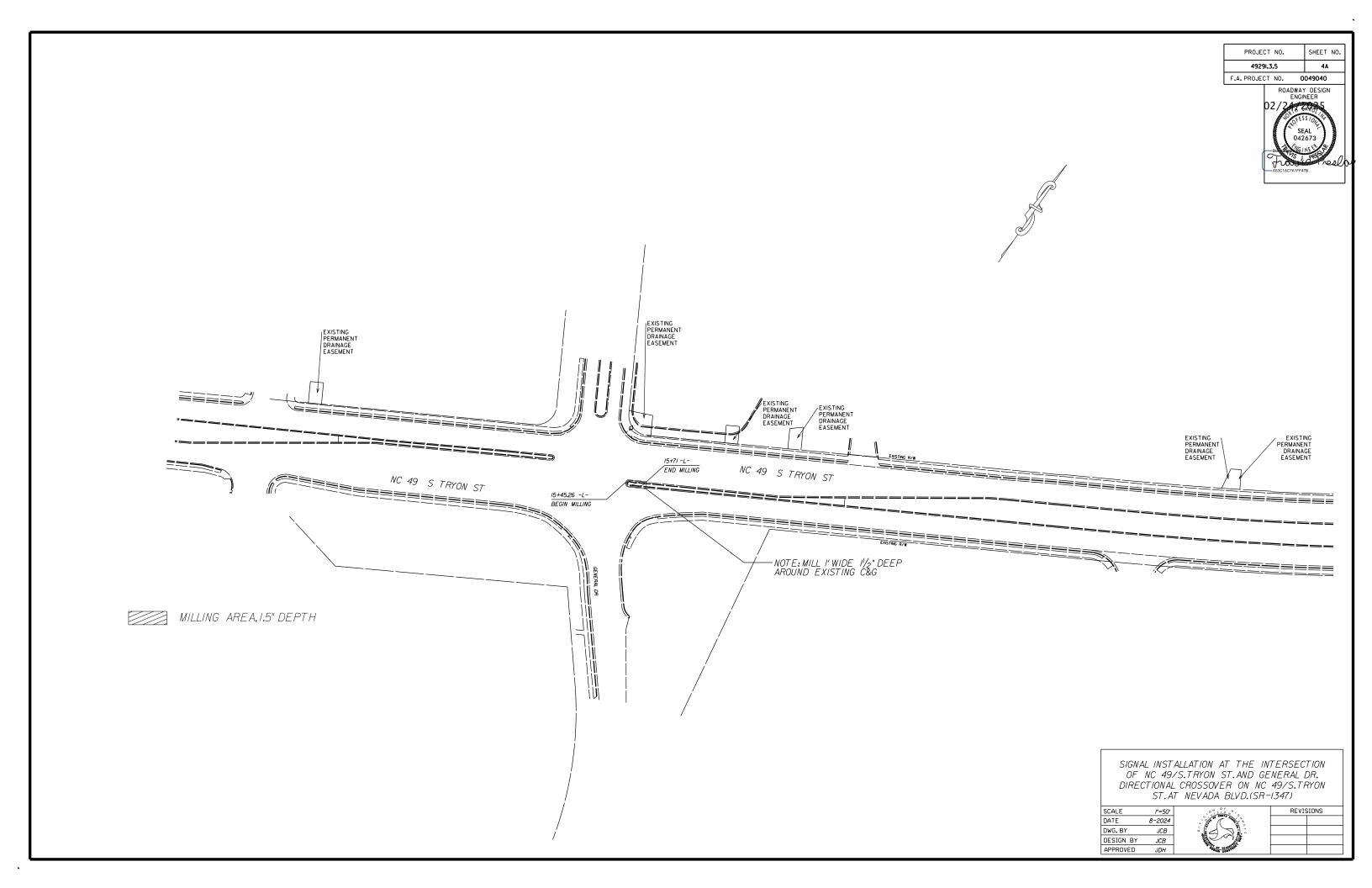


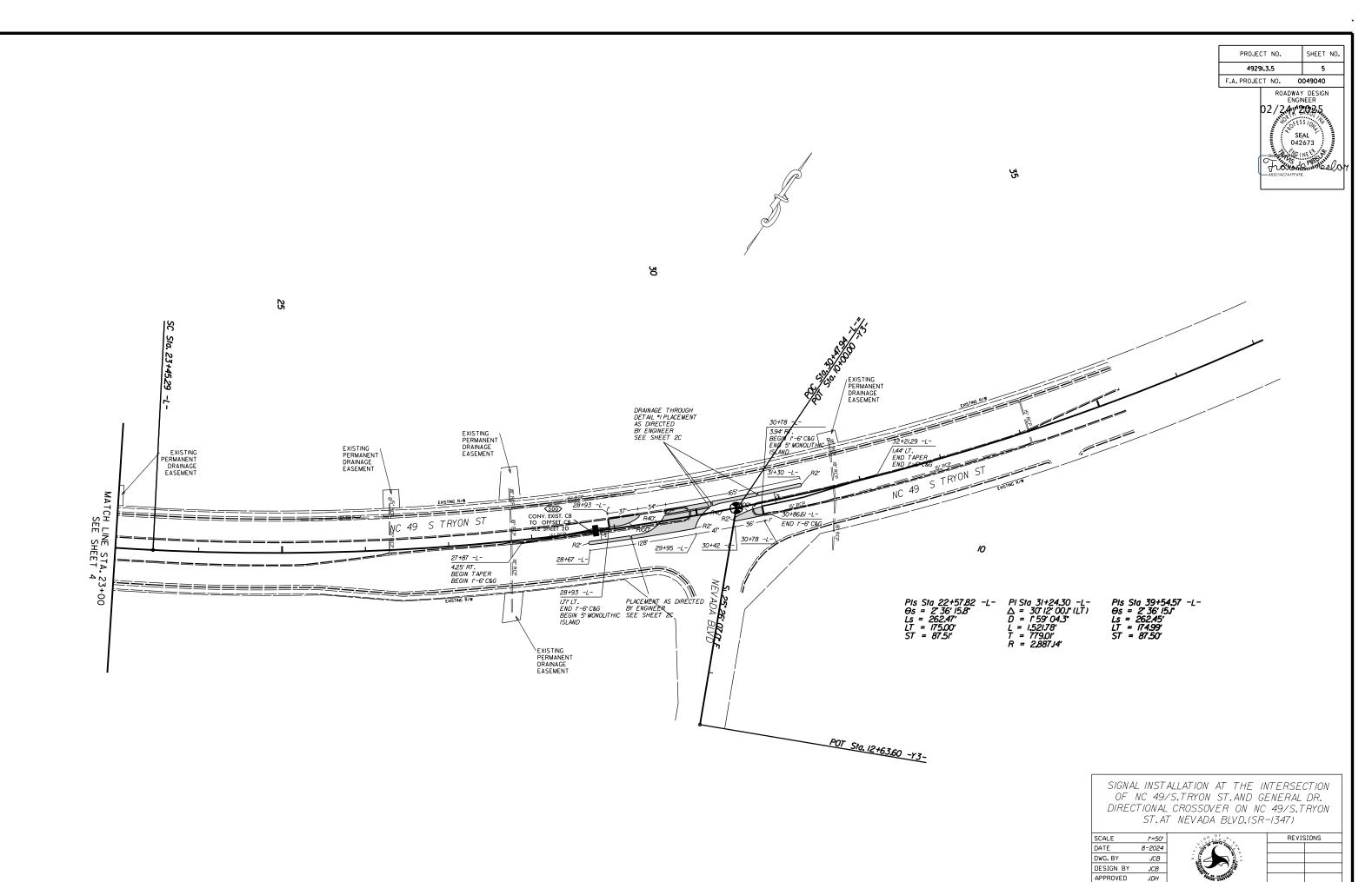
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

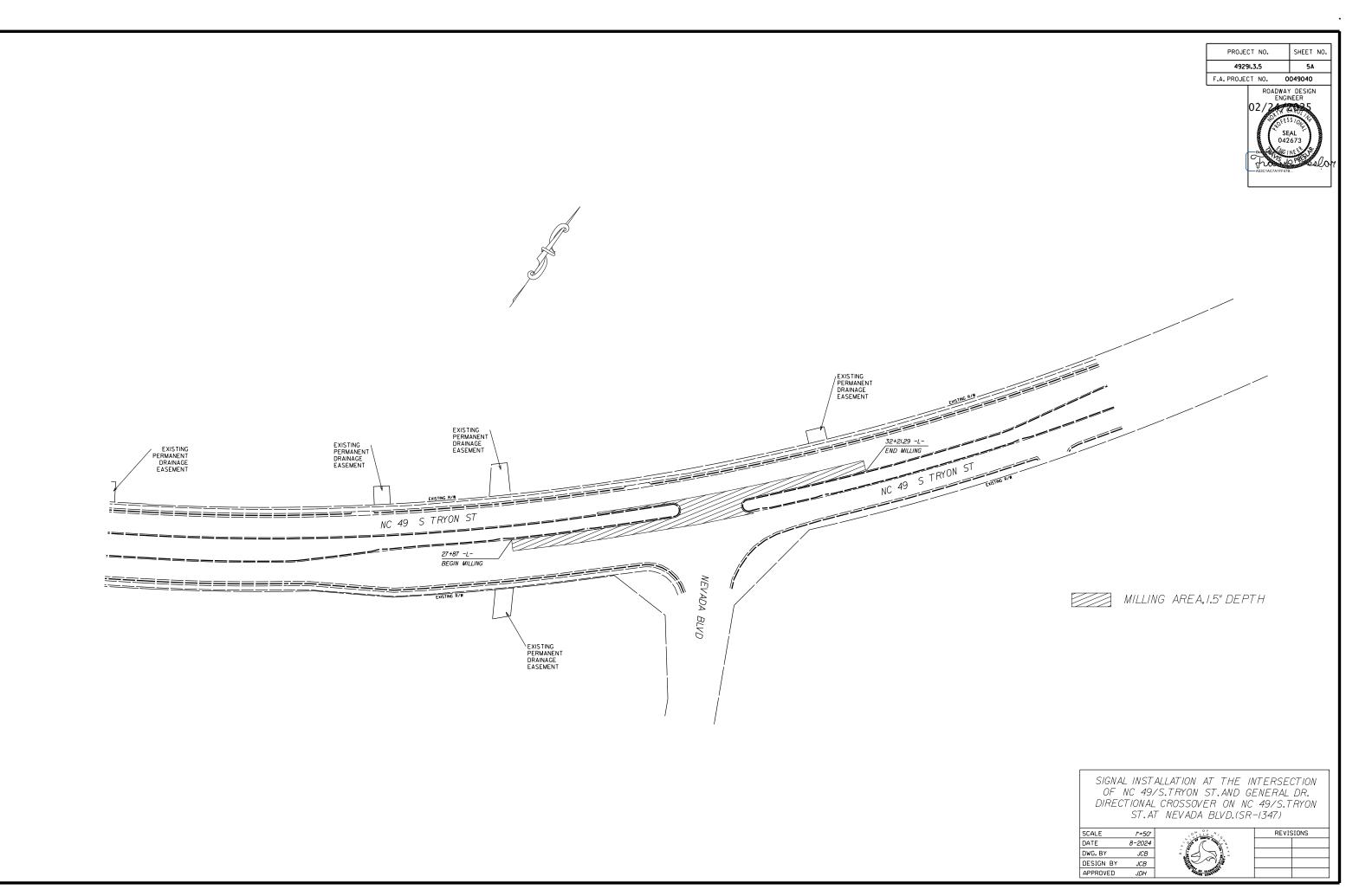
PROJECT REFERENCE NO. SHEET NO. 49291.3.5

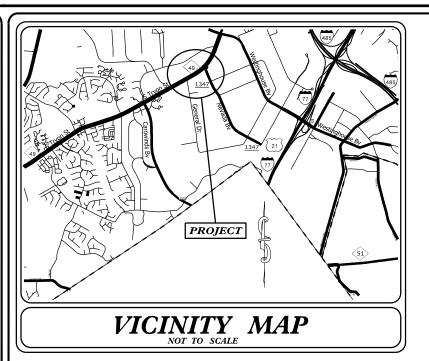
See	"Sta	andard	s are Speci	ficatio	ns Fo	rposes or Roa	ds an	and of the contract of the con	l shall tructur	I not b es, Se	ection	ed for 300-	r proje -5″.	ect co												ATE																												
			<u> </u>	1	_		1										ST	OF	$\frac{PI}{\Box}$	PE	S, E	ND	WA	LL:	S, <i>E</i>	TC.	(FC	OR ⊤⊤	PI	PES				: Т	DEI	R)		_									<del></del>							
STATION	A (LT,RT, OR CL)	STRUCTURE NO.	ATION	EVATION	NO FEW PROPERTY OF THE PROPERT	MICAL			S (RCP, CS	IDE DRA SP, CAAP	AIN PIPE P, HDPE,	E or PVC)				c	C.S. PIPE				R.C. PIPE (CLASS III	l)			R.C. I (CLAS	PIPE SS IV)			ONTRACTOR DESIGN PIPE		STD. 838 STD. 838 OR STD. 838 (UNLES NOTEI	01, 3.11 SE	FOR DRAINAGE STRUCTURES TOTAL L.F. FOR PAY	Ν.	840.0	FRAME AND STANDA	, GRATES HOOD RD 840.03	CONCRETE		OR ATES	OR 840.	OR 840.	OR 840.	OR 840.	OR 840.	5. 840.15	040.10 J.B.	D. 840.54		C.Y. STD 840.72	G, C.Y. STD. 840.71			D.I. NARROW DROP INLET
SIZE CHICKNESS DR GAUGE	LOCATION	TO TO	TOP ELEVATION	INVERT ELEVATION	H	SLOPE CR	12"	15" 18	8" 24"	30″ 36	5" 42"	NOT USE RC	DO NOT USE CSP	NOT USE	.064			642"		18" 2	30" ;	36" 42"	48" 12	." 15" 1	18" 24"	30" 36"	42" 48'	R. C. PIPE (CLASS V)	R. C. PIPE CULVERTS, CC	" SIDE DRAIN PIPE " SIDE DRAIN PIPE	CU. YE	C.S.P.	EACH (0' THRU 5.0 THRU 10.0'	ABOVE E	C.B. STD. 840.01 OR STD		PF GRATE	CATCH BASIN		G.D.I. TYPE "D" STD. 840.19 G.D.I. FRAME WITH TWO GR	4 OR	AV. EXIST. C.B. TO	M.H. FRAME & COVER STD.	OFFSET CATCH BASIN	NC. COLLARS CL. "B"	CONC. & BRICK PIPE PLUG,	PE REMOVAL LIN.FT.	J.B M.I T.B	. JUNCTION BOX					
8+77 -L- (	CL	500	628.63	3	623	.38						٥	٥	۵ ۵		$\pm$												* *	1	15"			I 0.3		υ E	F	G	)	Δ	0 0	ا ۵	i Ö	2	ō I	8	ŏ	a a		SEE DETAIL SHEET 2D					
-	+				+	+	$\blacksquare$								$\mathbb{H}$	$\mp$									+			$\vdash$							+																			
																#																																						
TAL:																$\pm$									$\pm$								0.3		$\pm$	1		1						ı										
	-				-	+						+			+	+			+		+				+			H				+			+	+		+	$\dashv$				+											
	1					1									$\blacksquare$	#												П																										
																士																																						
	+				+	+	+	+	+			+			+	+			_						+			H				+			+			-	$\vdash$									-						
	1					1									Ħ	#																																						
																$\pm$																																						
	+				-	+	$\frac{1}{1}$	+	+			+			+	+									+			H																										
						1									$\blacksquare$	#																																						
	1					#									$\Box$	$\pm$																1																						
					+	+	+	+	+		+	+			+	+			-						+			H											$\vdash$															
															П	#																																						
						1										$\pm$												$\parallel$				1							$\Box$															
		+			-	+	+	+	+			+			H	+			-						+			H				-							$\vdash$															
															H	#																																						
						1									$\Box$	$\pm$												$\parallel$																										
-	+			-	+	+	+	+	+		++	+			$\mathbb{H}$	+			-					++	+			${\mathbb H}$				+			+			+	$\dashv$									+						
															H	#																																						
															Н	士																																						
+	+			-	+	+	$\parallel$	$\vdash$				+			+	+	+	+	+	+			+	+	+			$\forall$							+	+		+	$\dashv$								1	-						
	1				1	1						$\downarrow$				#			+									Ħ				1				1																		
	$\pm$					$\pm$						$\pm$			$\Box$	士			$\pm$				$\Box$	$\Box$				$\Box$				$\pm$		$\pm$	$\pm$	$\pm$		$\pm$																
	+				-	+						+			+	+	+	+	+				+	+	+			H	+							+		+	$\vdash$															
	#				1	#						#				#												Ħ				1																						
	$\pm$				t	$\pm$		$\pm$				$\pm$			$\forall$	$\pm$		+	$\pm$	$\vdash$								$\forall$				$\pm$		$\pm$		$\perp$		$\pm$	$\exists$															
	+				$\perp$	+	$\prod$				+	+	$\prod$		$oxed{\Box}$	+	$+ \top$	$+ \blacksquare$	+	$\prod$	$+ \top$		$+\Gamma$	$+ \top$				$oxed{oxed}$	+					-				+	$\dashv$															
					t	#						$^{\dagger}$				#																																						









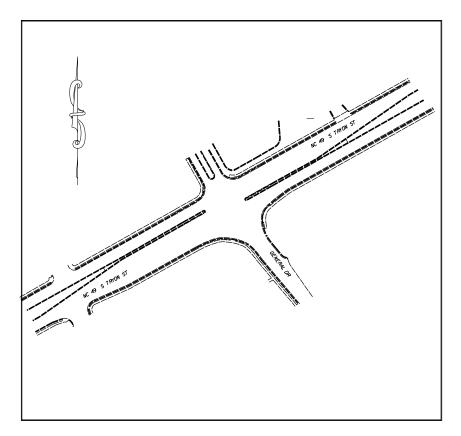


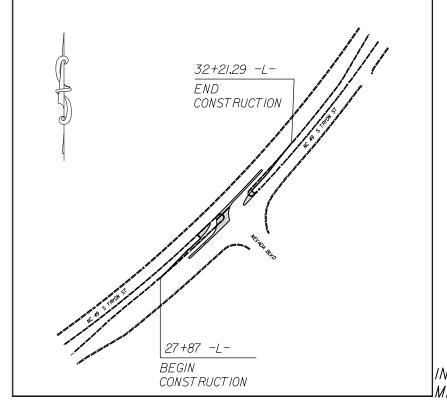
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

# MECKLENBURG COUNTY

LOCATION: INTERSECTION OF NC 49 (SOUTH TRYON ST) AND GENERAL DRIVE AND INTERSECTION OF NC 49 (SOUTH TRYON ST) AND NEVADA BLVD. (SR-1347)





STATE	STATE	SHEET NO.	TOTAL SHEETS							
N.C.		EC-1								
8TA1	E PROJ. NO.	P. A. PROJ. NO.	DESCRIPTION							
49	291.1.5	0049040	P.E.							
49	291.2.5	0049040	R/W							
49	291.3.5	0049040	CONST.							

EROSION AND SEDIMENT CONTROL MEASURES

<u>Symbol</u>
— T10 ————
то —
<del>III III </del>
, T — —
a 📥
🚃
(
) = sv =
(3)
) 1000,300,000
2. <b>( )</b>
, <b>O</b>
N
- A 🔲
- В 🔲
- C
·
-
TAINS
PLANS ND
OF
V -
٠.

INSTALL PERIMETER EROSION CONTROL MEASURES DURING INITIAL CLEARING PHASE

GRAPHIC SCALE



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



Prepared in the Office of:

### DDC UNIT DIVISION 10

DEPARTMENT OF TRANSPORTATION

Designed by

VITALIY CHEPEL

LEVEL III CERTIFICATION NO.

4658

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest

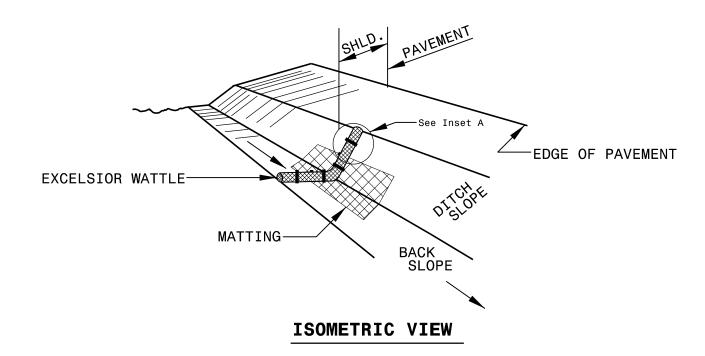
1604.01 Railroad Erosion Control Detail 1605.01 Temporary Silt Fence 1606.01 Special Sediment Control Fence 1607.01 Gravel Construction Entrance 1632.01 Rock Inlet Sediment Trap Type A 1632.02 Rock Inlet Sediment Trap Type 3 1630.01 Riser Basin 1630.02 Silt Basin Type B 1630.02 Silf Jasin Type 3 1630.03 Temporary Silt Ditch 1630.04 Stilling Jasin 1630.05 Temporary Diversion 1630.06 Special Stilling Jasin 1631.01 Matting Installation

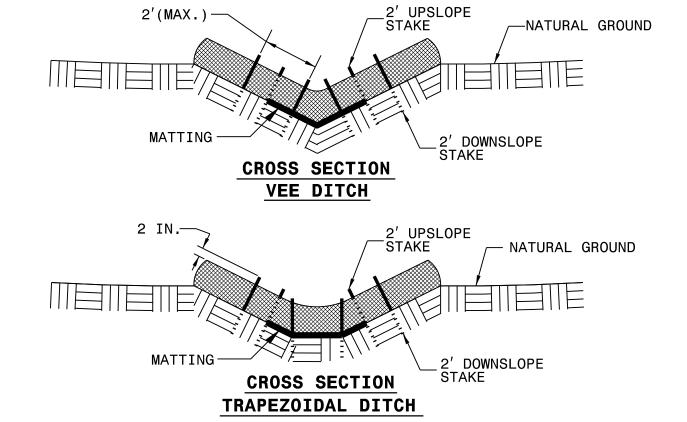
1632.03 Rock Inlet Sediment Trap Type C 1633.01 Temporary Rock Silt Check Type A 1633.02 Temporary Rock Silt Check Type 3 1633.02 Temporary Rock Sediment Dam Type A 1634.02 Temporary Rock Sediment Dam Type A 1635.01 Rock Pipe Inlet Sediment Trap Type A 1635.02 Rock Pipe Inlet Sediment Trap Type A

1640.01 Coir Fiber 3affle 1645.01 Temporary Stream Crossing

# WATTLE DETAIL

PROJECT NO.	SHEET NO.
49291.3.5	EC-2
F.A. PROJECT NO.	0049040





#### NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

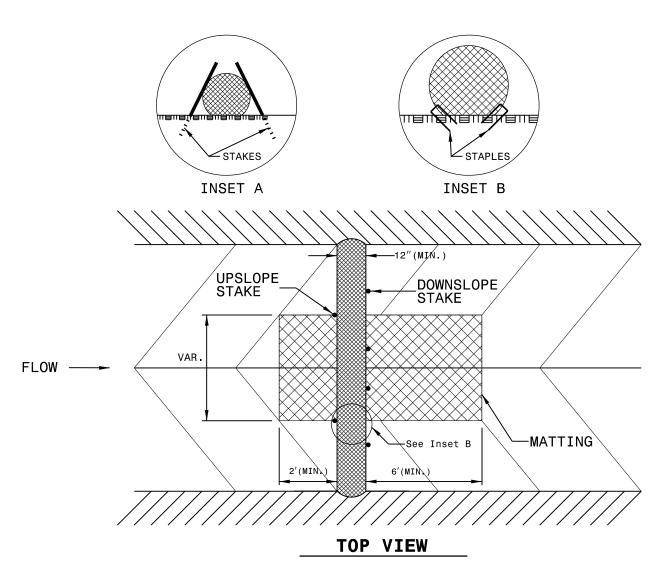
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.

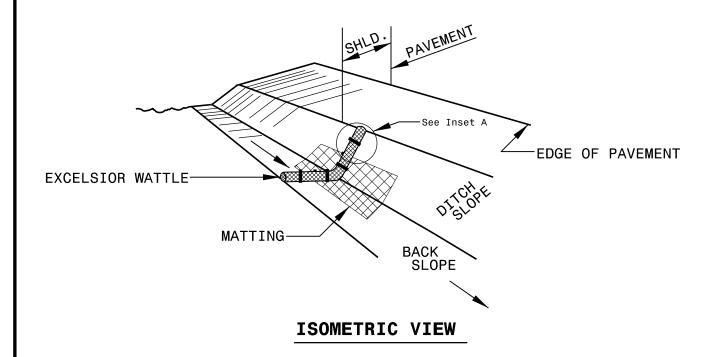
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

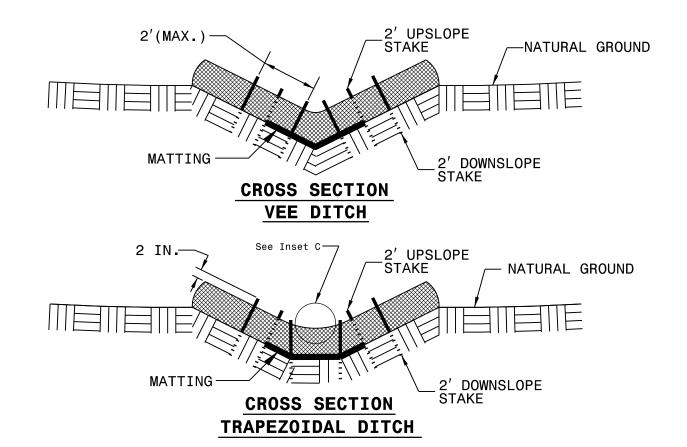
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



PROJECT NO. SHEET NO.	49291.3.5	FC-2A
	PROJECT NO.	SHEET NO.

# WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL





#### NOTES

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

 $\underline{\mathsf{ONLY}}$  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.

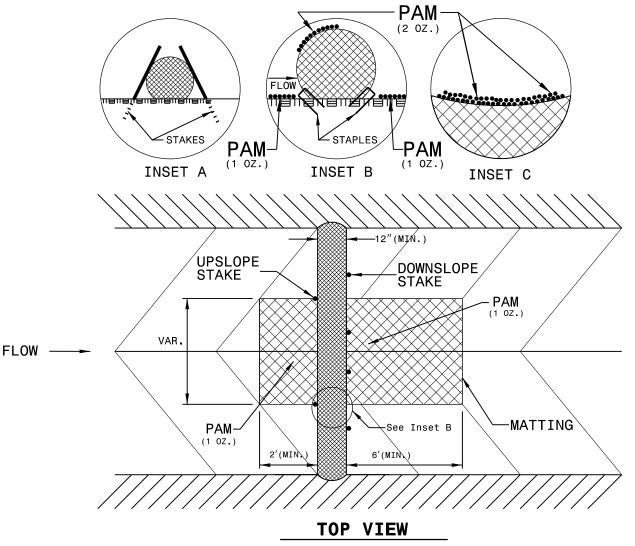
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

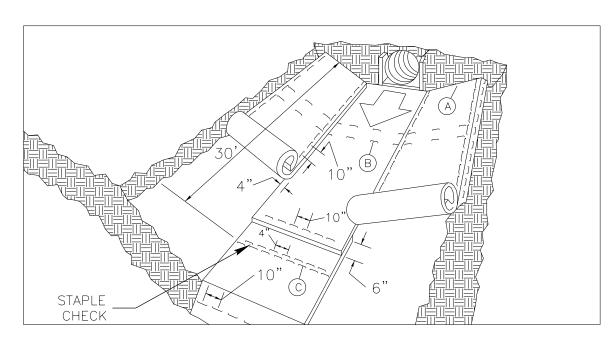
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

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

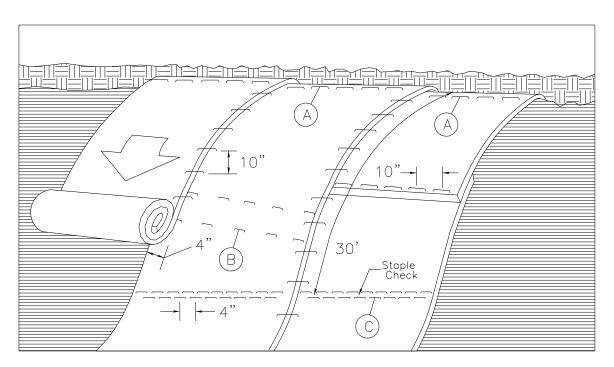


PROJECT REFERENCE NO. SHEET NO.
4929I.3.5 EC-2B

# MATTING INSTALLATION DETAIL



**MATTING IN DITCHES** 



**MATTING ON SLOPES** 

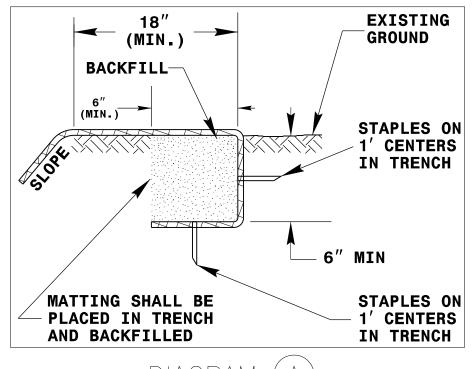


DIAGRAM (A

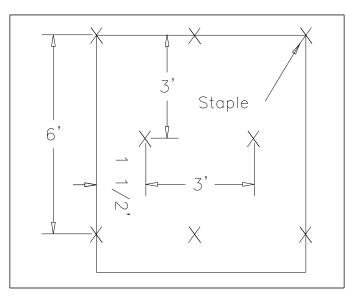
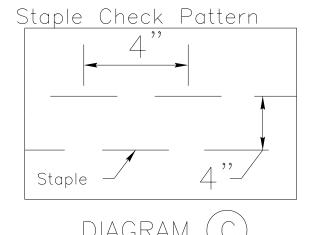


DIAGRAM (B)

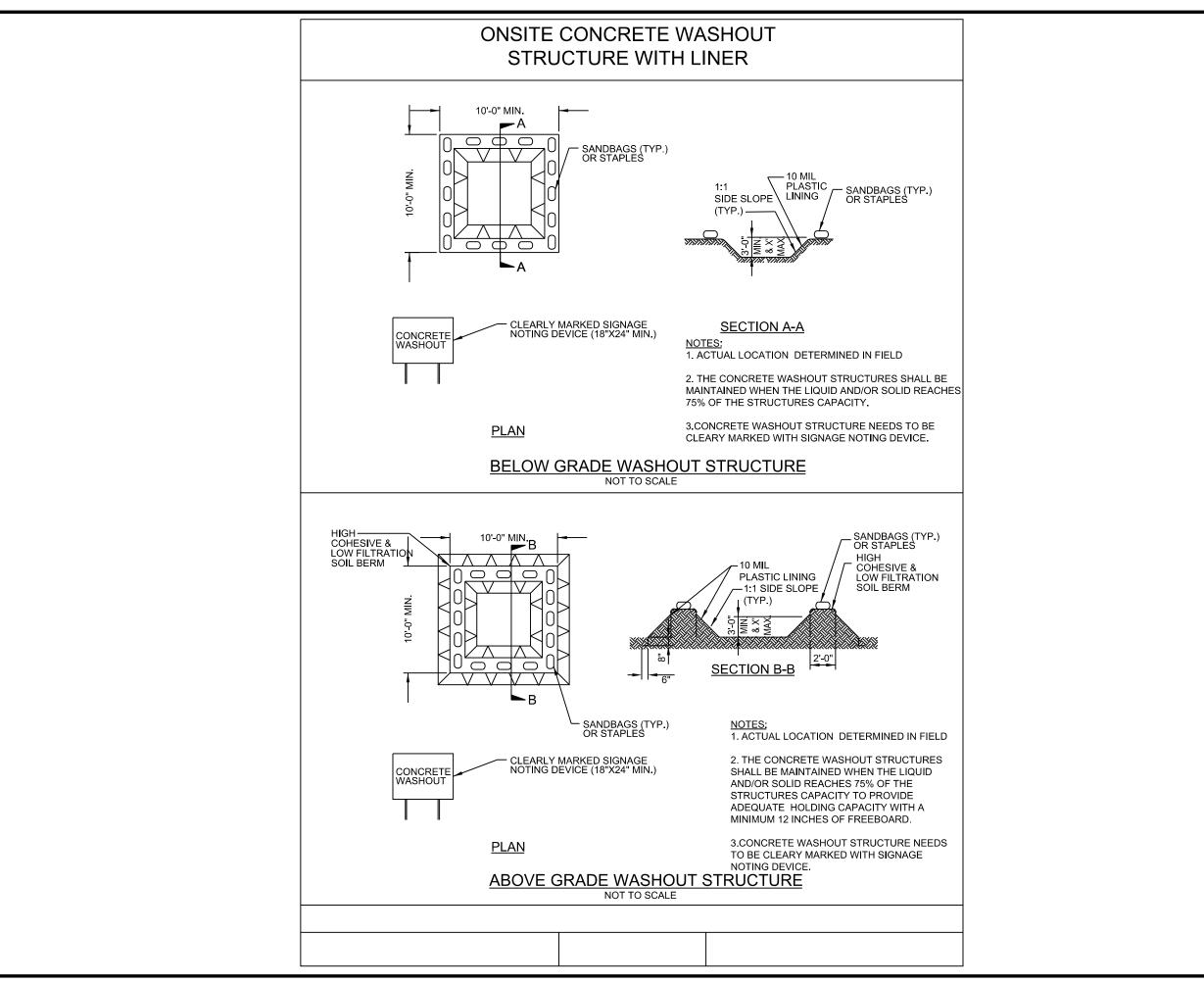


NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE



SHEET NO.

EC-2C

0049040

PROJECT NO. 49291.3.5

F.A. PROJECT NO.

HS-2010E\_NC 49\_General Dr\_Nevada\_EC-2C.dgn 2/24/2025 7:25:15 AM

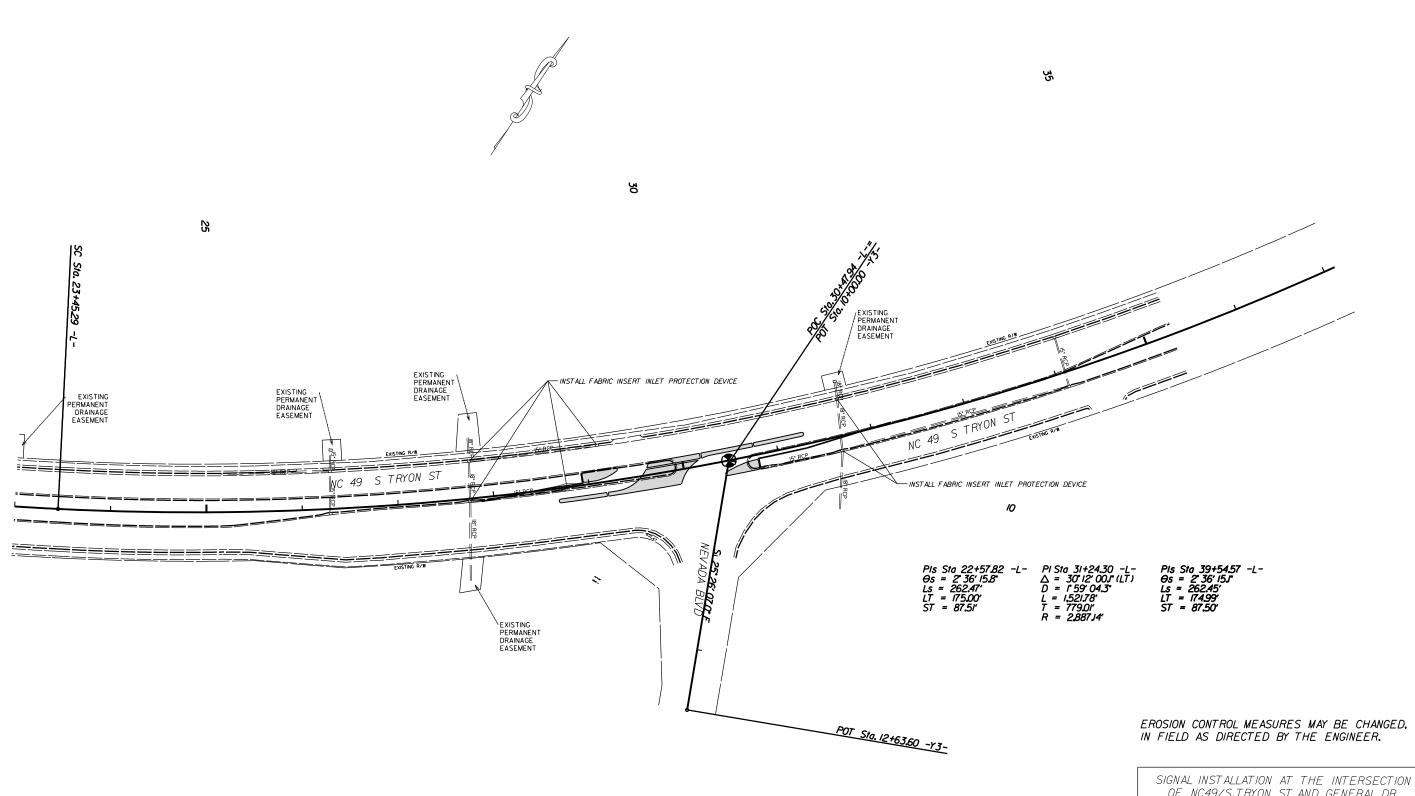
PROJECT REFERENCE NO. SHEET NO.
4929L3.5 EC-3

# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

# SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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	I4 DAYS	7 DAYS FOR SLOPES GREATER THAN 50'IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	I4 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

PROJECT NO.	SHEET NO.
49291.3.5	EC-4
F.A. PROJECT NO. 0	049040



SCALE	/*=50°	
DATE	10-2022	
DWG. BY	JCB	
DESIGN BY	JCB	
APPROVED	JDH	



PROJECT NO.	SHEET NO.
49291.3.5	EC-5
F.A. PROJECT NO. 0	049040

SCALE

DATE

DWG. BY

DESIGN BY

APPROVED

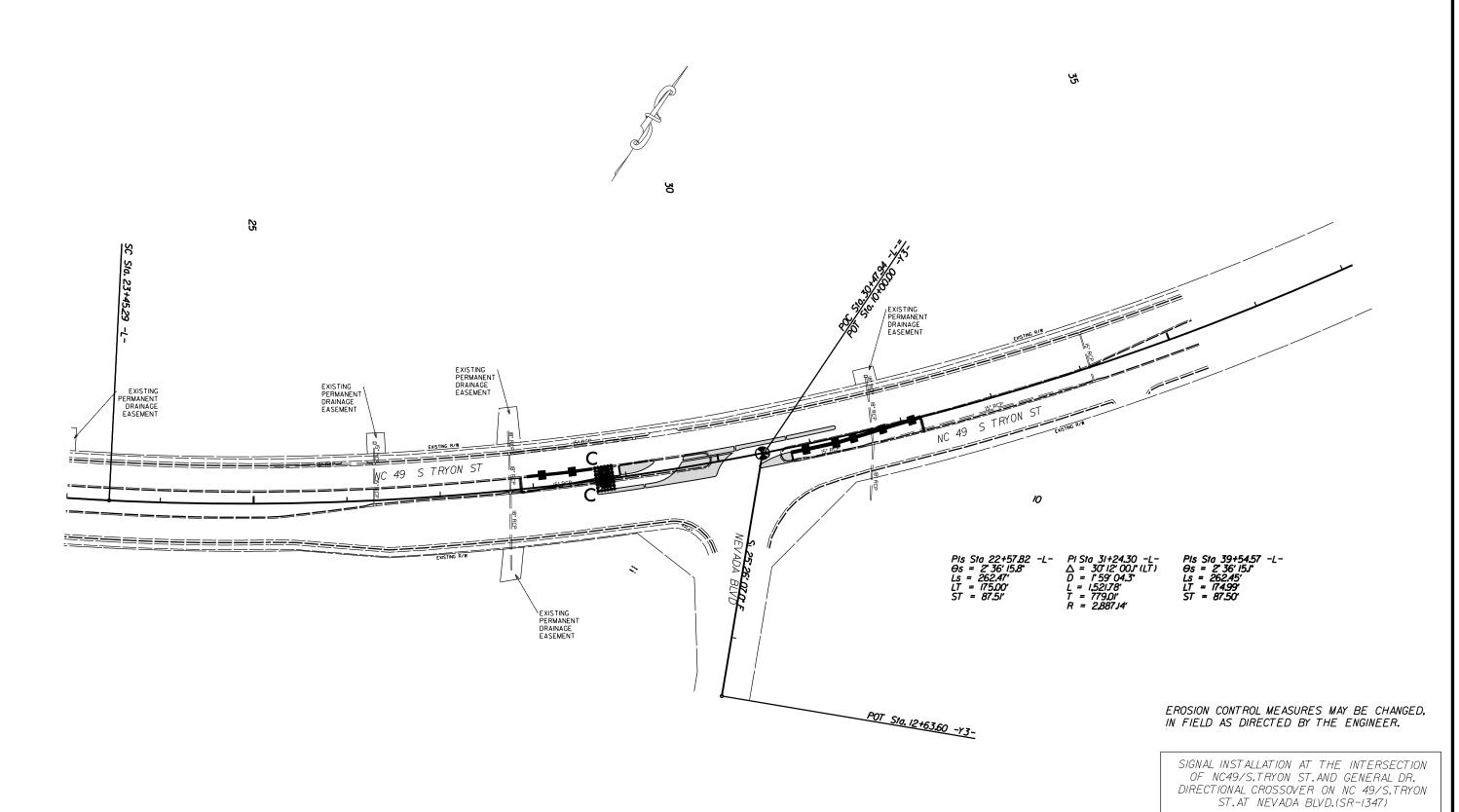
/\*=50°

JCB

JCB

JDH

10-2022



#### PROJECT NO. SHEET NO. 49291.3.5 PMP-I F.A. PROJECT NO. 0049040 ROADWAY DESIGN 02/24y 2025 SEAL 7 042673

- DOCUMENTO INE SOLO

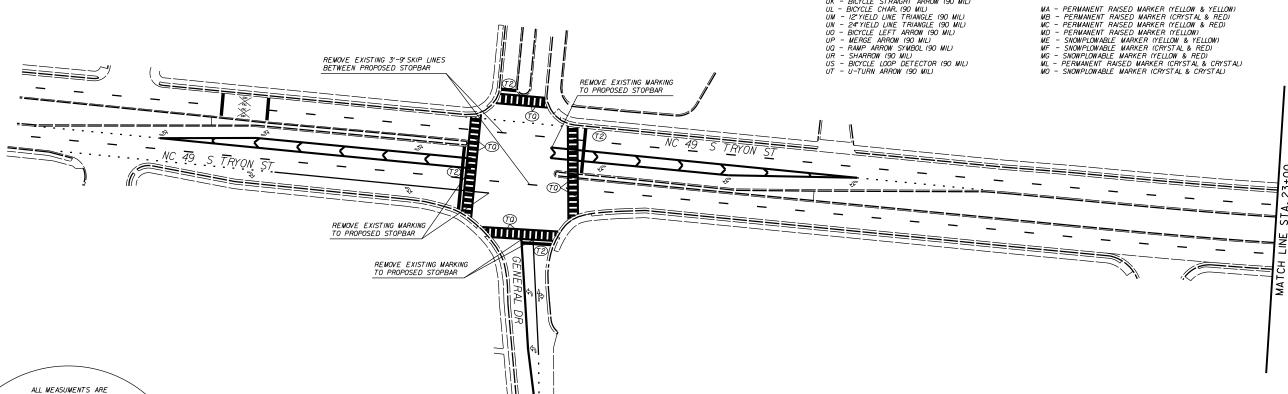
#### PAVEMENT MARKING SCHEDULE

#### PAVEMENT MARKING LINES

TA - WHITE EDGELINE (4\*,90 MIL)
TB - YELLOW EDGELINE (4\*,90 MIL)
TC - 10FT. WHITE SKIP (4\*,90 MIL)
TC - 3FT.9FT/SP WHITE MINISKIP (4\*,90 MIL)
TE - WHITE SOLID LANE LINE (4\*,90 MIL)
TF - 10FT. YELLOW SKIP (4\*,90 MIL)
TH - YELLOW SINGLE CENTER (4\*,90 MIL)
TI - YELLOW SINGLE CENTER (4\*,90 MIL)
TJ - 10FT. WHITE SKIP (6\*,90 MIL)
TK - 3FT.9FT/SP WHITE MINISKIP (6\*,90 MIL)
TK - 3FT.9FT/SP WHITE MINISKIP (6\*,90 MIL)
TN - WHITE SOLID LANE LINE (6\*,90 MIL)
TN - WHITE GORELINE (8\*,90 MIL)
TO - WHITE DIAGONAL (8\*,90 MIL)
TO - WHITE OLOGONAL (8\*,90 MIL)
TR - WHITE GORELINE (8\*,90 MIL)
TR - WHITE GORELINE (8\*,90 MIL)
TS - WHITE GORELINE (8\*,90 MIL)
TS - WHITE GORELINE (8\*,90 MIL)
TS - WHITE SOLID LANE LINE (8\*,90 MIL)
TT - WHITE SOLID LANE LINE (8\*,90 MIL) TU - WHITE DIAGONAL (12', 90 MIL)
TV - YELLOW DIAGONAL (12', 90 MIL)
T1 - WHITE LINE, RR X (16', 90 MIL)
T2 - WHITE STOPBAR (24', 90 MIL)
T3 - WHITE CROSSWAK LINE (24', 90 MIL)
T4 - WHITE RUMBLE STRIP (4', 240 MIL)
T5 - YELLOW RUMBLE STRIP (4', 240 MIL)
T6 - WHITE EDGELINE (6', 90 MIL)
T7 - YELLOW EDGELINE (6', 90 MIL)
T8 - 2FT.-6FT/SP WHITE MINISKIP (4', 90 MIL)
T9 - 2FT.-6FT/SP WHITE MINISKIP (4', 90 MIL)
T10 - 3FT.-3FT/SP WHITE MINISKIP (16', 90 MIL)
T11 - 2FT.-6FT/SP WHITE MINISKIP (18', 90 MIL)
T12 - 2FT.-6FT/SP WHITE MINISKIP (18', 90 MIL)
T13 - 3FT.-9FT/SP WHITE MINISKIP (8', 90 MIL)
T14 - 3FT.-9FT/SP WHITE MINISKIP (8', 90 MIL)
T15 - YELLOW SINGLE CENTER (6', 90 MIL)
T16 - YELLOW DOUBLE CENTER (6', 90 MIL)
T16 - YELLOW DOUBLE CENTER (6', 90 MIL)
T17 - 3FT.-3FT/SP WHITE MINISKIP ENTRANCE LINE (8', 90 MIL)

#### PAVEMENT MARKING SYMBOLS

UA -LEFT TURN ARROW (90 MIL)
UB - RIGHT TURN ARROW (90 MIL)
UC - STRAIGHT ARROW (90 MIL)
UD - COMBO. LEFT/STRAIGHT ARROW (90 MIL)
UE - COMBO. RIGHT/STRAIGHT ARROW (90 MIL)
UF - COMBO. LEFT/RIGHT ARROW (90 MIL)
UG - COMBO. LEFT/RIGHT/STRAIGHT ARROW (90 MIL)
UG - COMBO. LEFT/RIGHT/STRAIGHT ARROW (90 MIL) UU - FISH-HOOK STRAIGHT ARROW (90 MIL)
UV - FISH-HOOK LEFT/STRAIGHT ARROW (90 MIL)
UW - FISH-HOOK RIGHT/STRAIGHT ARROW (90 MIL)
UX - FISH-HOOK LEFT/RIGHT ARROW (90 MIL)
UY - FISH-HOOK LEFT/RIGHT/STRAIGHT ARROW (90 MIL)
UZ - FISH-HOOK W/CIRCLE STRAIGHT ARROW (90 MIL) UG - COMBO. LEFT/RIGHT/STRAIGHT ARRON
UH - HANDICAP PARKING (90 MIL)
UI - ALPHANUMERIC CHAR. (90 MIL)
UJ - BICYCLE SYMBOL (90 MIL)
UK - BICYCLE STRAIGHT ARROW (90 MIL)
UK - BICYCLE CHAR. (90 MIL)
UM - IZ\*YIELD LINE TRIANGLE (90 MIL)
UN - 24\*YIELD LINE TRIANGLE (90 MIL)
UO - BICYCLE LEFT ARROW (90 MIL)
UP - MERGE ARROW (90 MIL)
UP - MERGE ARROW (90 MIL)
UP - MERGE ARROW (90 MIL) WA - FISH-HOOK W/CIRCLE LEFT ARROW (90 MIL) WB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW (90 MIL) WC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW (90 MIL) - PERMANENT RAISED MARKER (YELLOW & YELLOW) - PERMANENT RAISED MARKER (YELLOW & YELLOW - PERMANENT RAISED MARKER (YELLOW & RED) - PERMANENT RAISED MARKER (YELLOW) - PERMANENT RAISED MARKER (YELLOW) - SNOWPLOWABLE MARKER (YELLOW) - SNOWPLOWABLE MARKER (CRYSTAL & RED) MG - SNOWPLOWABLE MARKER (YELLOW & RED) MG - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL) MO - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL)



SCALE	/*=50°
DATE	8-2024
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH

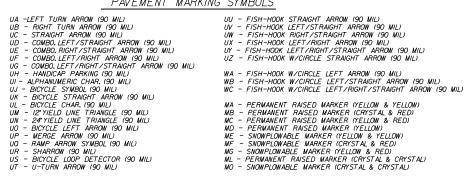
	REVISIONS		
OROIGH COMPANIO			

	ALL MEASUMENTS ARE FROM INSIDE WHITE LINE TO INSIDE WHITE LINE AS PER COOT	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 P.
	TQ	

#### PAVEMENT MARKING SCHEDULE

#### PAVEMENT MARKING LINES

TU - WHITE DIAGONAL (12',90 MIL)
TV - YELLOW DIAGONAL (12',90 MIL)
T1 - WHITE LINE, RR X (16',90 MIL)
T2 - WHITE STOPBAR (24',90 MIL)
T3 - WHITE CROSSWAK LINE (24',90 MIL)
T4 - WHITE RUMBLE STRIP (4',240 MIL)
T5 - YELLOW RUMBLE STRIP (4',240 MIL)
T6 - WHITE EDGELINE (6',90 MIL)
T7 - YELLOW EDGELINE (6',90 MIL)
T8 - 2FT.-6FT/SP WHITE MINISKIP (4',90 MIL)
T9 - 2FT.-6FT/SP WHITE MINISKIP (4',90 MIL)
T10 - 3FT.-3FT/SP WHITE MINISKIP (6',90 MIL)
T11 - 2FT.-6FT/SP WHITE MINISKIP (6',90 MIL)
T12 - 2FT.-6FT/SP WHITE MINISKIP (6',90 MIL)
T13 - 3FT.-9FT/SP WHITE MINISKIP (8',90 MIL)
T14 - 3FT.-9FT/SP WHITE MINISKIP (8',90 MIL)
T15 - YELLOW DIAGLE CENTER (6',90 MIL)
T16 - YELLOW DOUBLE CENTER (6',90 MIL)
T16 - YELLOW DOUBLE CENTER (6',90 MIL)
T17 - 3FT.-3FT/SP WHITE MINISKIP ENTRANCE LINE (8',90 MIL) TA - WHITE EDGELINE (4°,90 MIL)
TB - YELLOW EDGELINE (4°,90 MIL)
TC - IOFT. WHITE SKIP (4°,90 MIL)
TD - 3FT.-9FT./SP WHITE MINISKIP (4°,90 MIL)
TE - WHITE SOULD LANE LINE (4°,90 MIL)
TF - IOFT.YELLOW SKIP (4°,90 MIL)
TH - YELLOW SINGLE CENTER (4°,90 MIL)
TI - YELLOW DOUBLE CENTER (4°,90 MIL)
TI - YELLOW DOUBLE CENTER (4°,90 MIL)
TI - YELTOW DOUBLE CENTER (4°,90 MIL)
TK - 3FT.-9FT./SP WHITE MINISKIP (6°,90 MIL)
TK - 3FT.-9FT./SP WHITE MINISKIP (6°,90 MIL)
TN - WHITE SOULD LANE LINE (6°,90 MIL)
TN - WHITE GORELINE (8°,90 MIL)
TO - WHITE GORELINE (8°,90 MIL)
TO - WHITE CROSSWALK LINE (8°,90 MIL)
TR - WHITE SOULD LANE LINE (8°,90 MIL)
TS - WHITE GORELINE (12°,90 MIL)
TS - WHITE SOULD LANE LINE (8°,90 MIL)
TS - WHITE SOULD LANE LINE (8°,90 MIL)
TT - WHITE SOULD LANE LINE (8°,90 MIL) TU - WHITE DIAGONAL (12\*,90 MIL) TA - WHITE EDGELINE (4".90 MIL) PAVEMENT MARKING SYMBOLS



25+16 -L-

156' TAPER

26+72 -L-

28+67 -L-

END TN

BEGIN (TA) (TB)

- 293' STORAGE

27+90 -L-

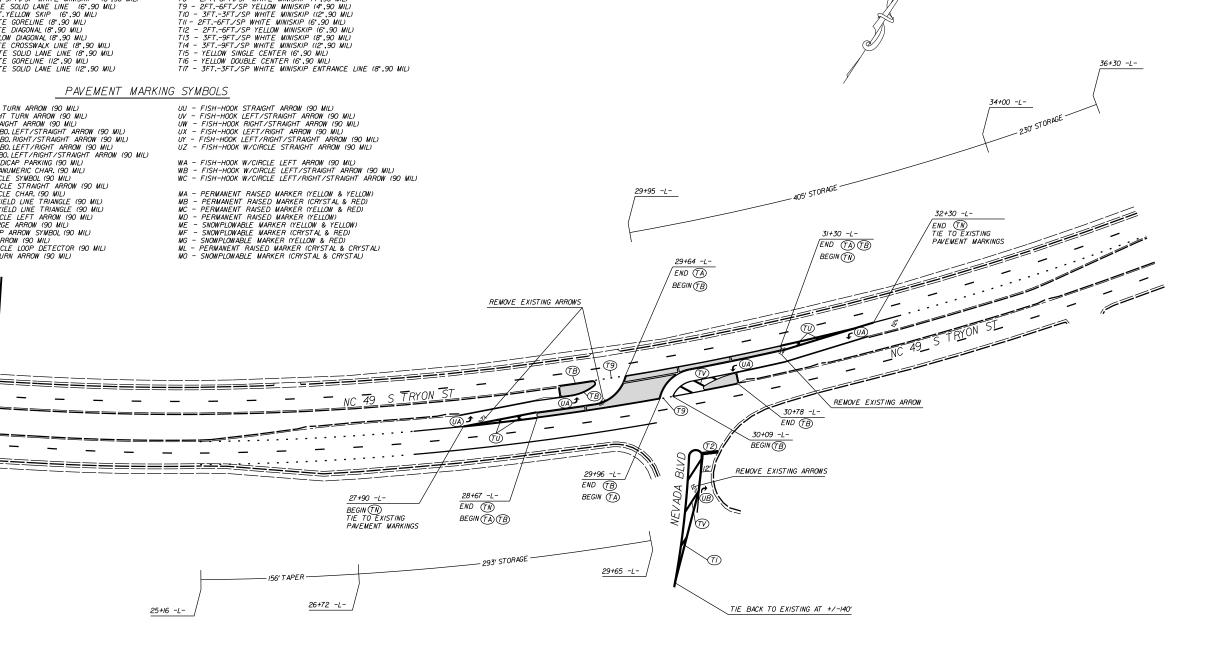
BEGIN (TN) TIE TO EXISTING PAVEMENT MARKINGS

SHEET LINE S

PMP-1

PROJECT NO. SHEET NO. 49291.3.5 PMP-2 F.A. PROJECT NO. 0049040

ROADWAY DESIGN ENGINEER 02/24/2025 SEAL 7 042673 TOWN THE SELO



SCALE	/*=50°
DATE	12-2024
DWG. BY	TBL
DESIGN BY	JCB
ΔPPROVED.	IDH



# **INDEX OF SHEETS**

**Cover Sheet** 

Splice Detail

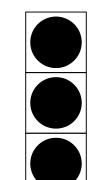
TOTAL SHEETS

**CHARLOTTE**<sub>ss</sub> TRANSPORTATION

Signal Plans of

NC 49 (S. Tryon Street) at General Drive/ **York Center Road CDOT Signal ID 01940** 

NCDOT Signal ID 10-2499







**EXISTING DESCRIPTION PROPOSED CONTROL BOX** METER PEDESTAL **PULL BOX** STEEL POLE **MAST ARM** PED PEDESTAL **UTILITY POLE ANCHOR** SIGNAL HEAD VIDEO CAMERA **OPTICOM**  $\bigcirc$ **OBSERVATION CAM DETECTOR CONDUIT** INTERCONNECT EDGE OF PVMT. **CURB & GUTTER** TUBULAR MARKER **GROUND SIGN OVERHEAD SIGN DOUBLE YELLOW** STOP BAR WHITE SKIP WHITE MINI PAVEMENT ARROW PROPERTY LINE **ROW** \_\_\_\_\_\_

LEGEND

PULLBOX ID		
	SIZE	PULLBOX TYPE
1	13"x24"x12"	LOOP
2	17"x30"x24"	FIBER OPTIC
3	24"x36"x30"	CONTROLLER / FIBER
4	30"x48"x36"	CONTROLLER
(5)	24"x24"x12"	CONTROLLER
6	36"x36"x12"	CONTROLLER
	·	

**NOTE:** PULLBOX MATERIAL MUST MEET OR EXCEED THE 1998 CDOT TRAFFIC SIGNAL SPECIFICATIONS.

# -CDOT-01940 NCDOT/10-2499 **VICINITY MAP (NTS)**

PLANS PREPARED BY:

421 FAYETTEVILLE STREET, SUITE 600 RALEIGH, NORTH CAROLINA, 27601 PHONE: 919-677-2000

PLAN NOTES

- ALL PAVEMENT MARKING DIMENSIONS ARE APPROXIMATE.
- SIGNAL SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NCDOT STANDARD SPECIFICATIONS AND CDOT TRAFFIC SIGNAL SPECIAL PROVISIONS.
- PED SIGNALS WITH PUSHBUTTONS WILL BE LABELED "PB" (FOR EXAMPLE PB21, PB22) COUNTDOWN PEDESTRIAN SIGNALS SHALL COUNT DOWN FLASHING DON'T WALK
- FYA'S 11, 51 AND 71 WILL INITIALLY OPERATE PROTECTED-PERMITTED 24/7.
- OVERLAPS A & H SHALL SIMULTANEOUSLY CLEAR TO RED. PHASES 2 & 6 TO FLASH YELLOW DURING 7-DAY BURN-IN PERIOD.



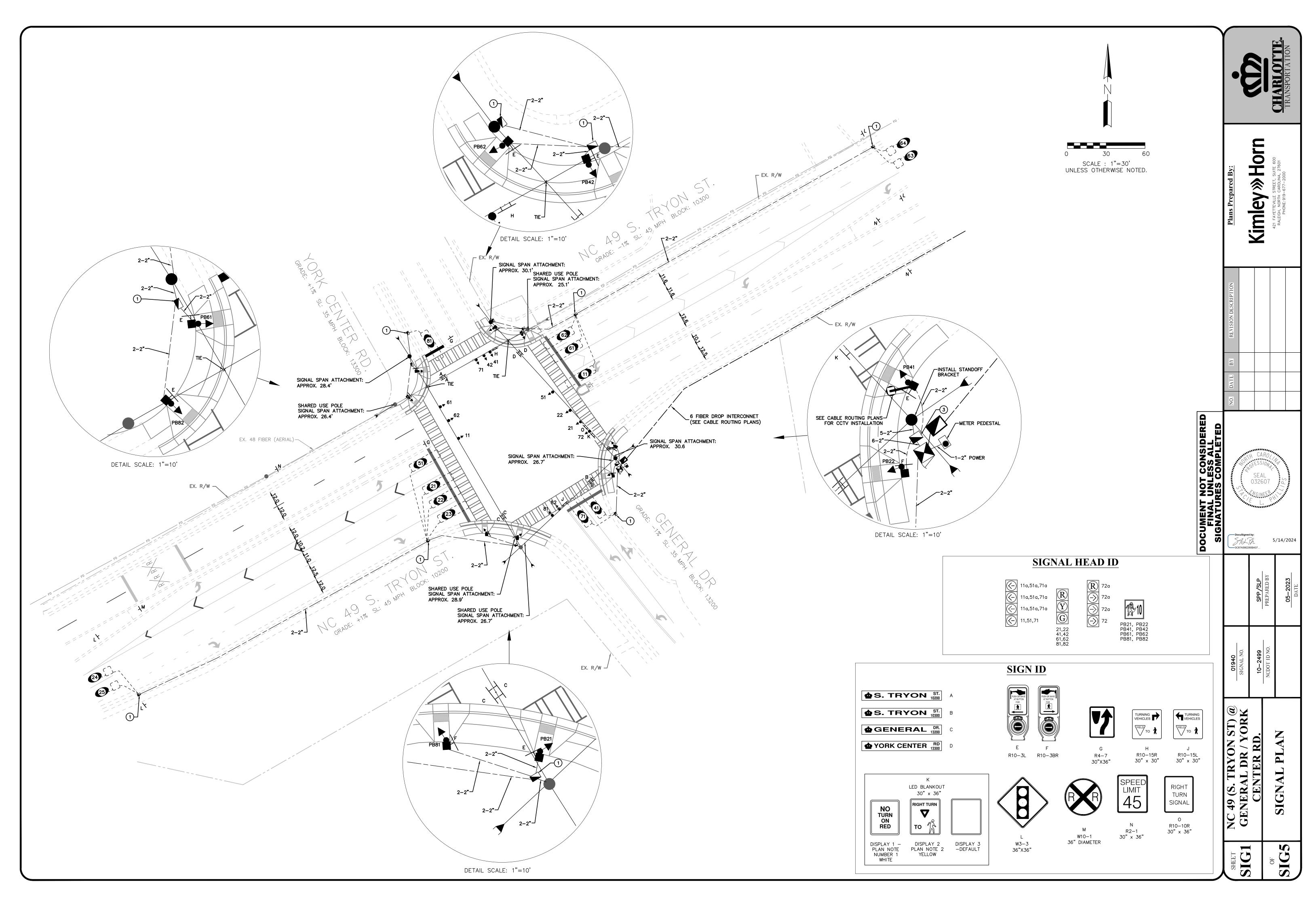
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

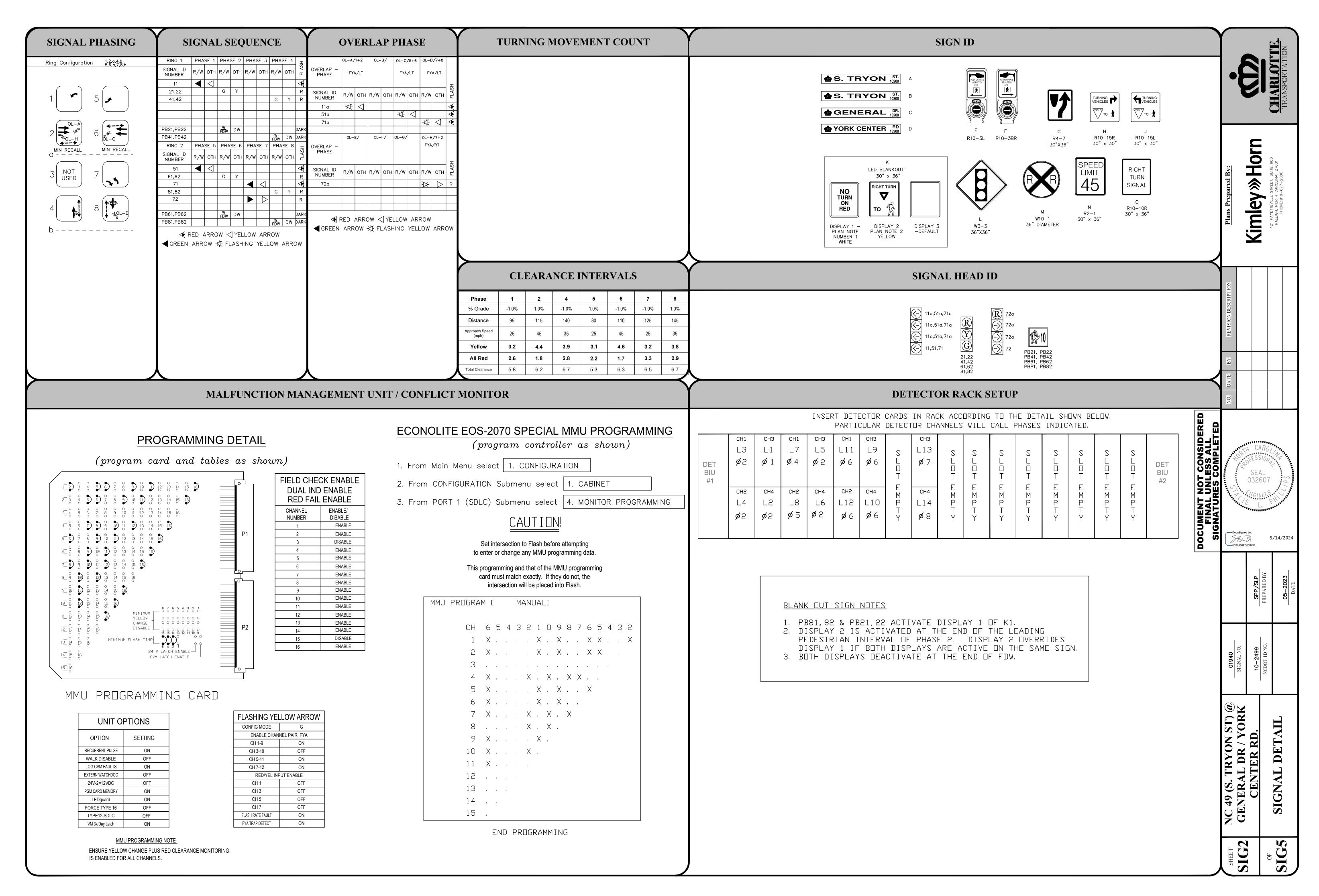
PE SEAL

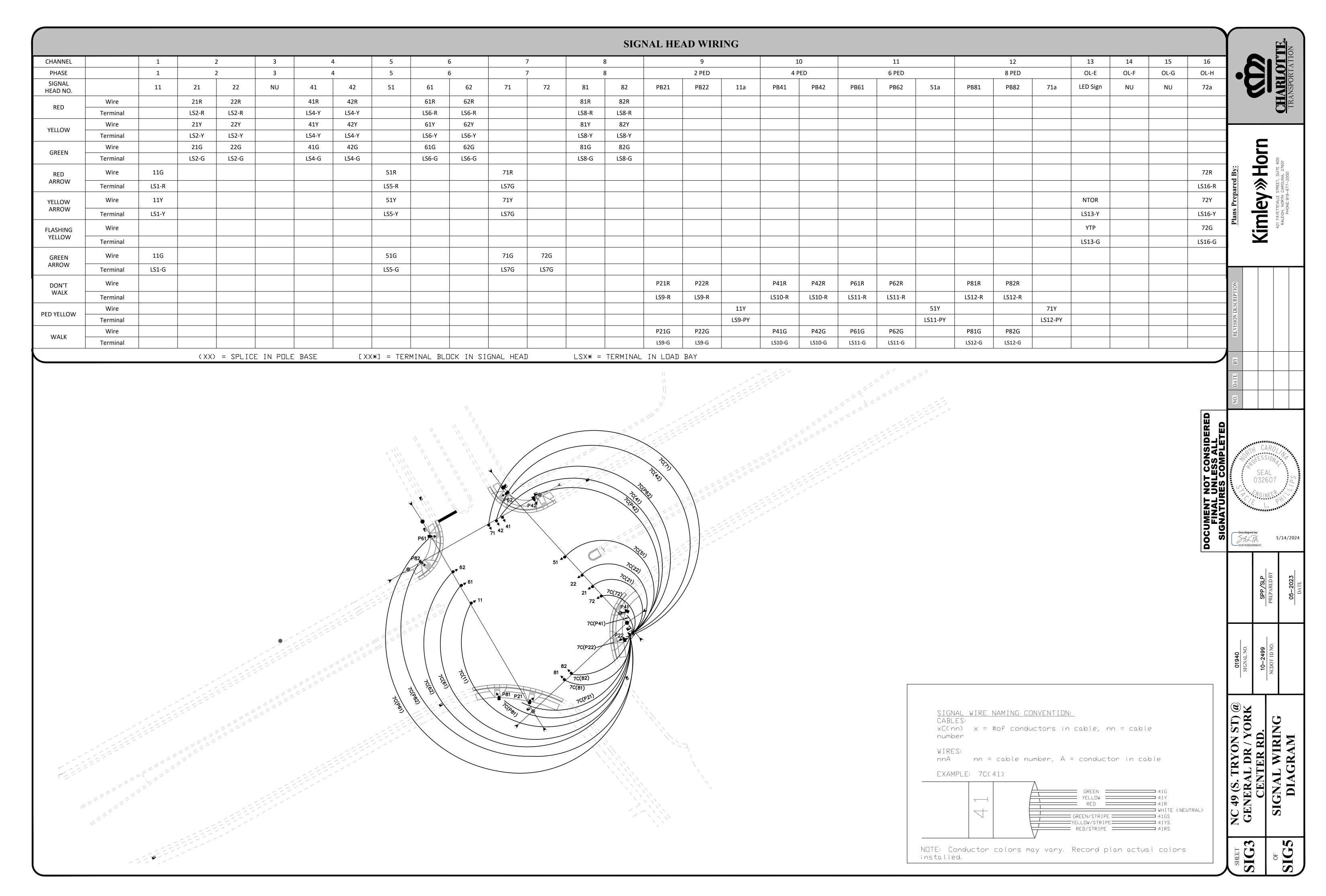
**PROJECT TEAM DESIGNER: SP PENNINGTON** PROJECT MANAGER: SL PHILLIPS TIMING ENGINEER: **CODY EDWARDS** 

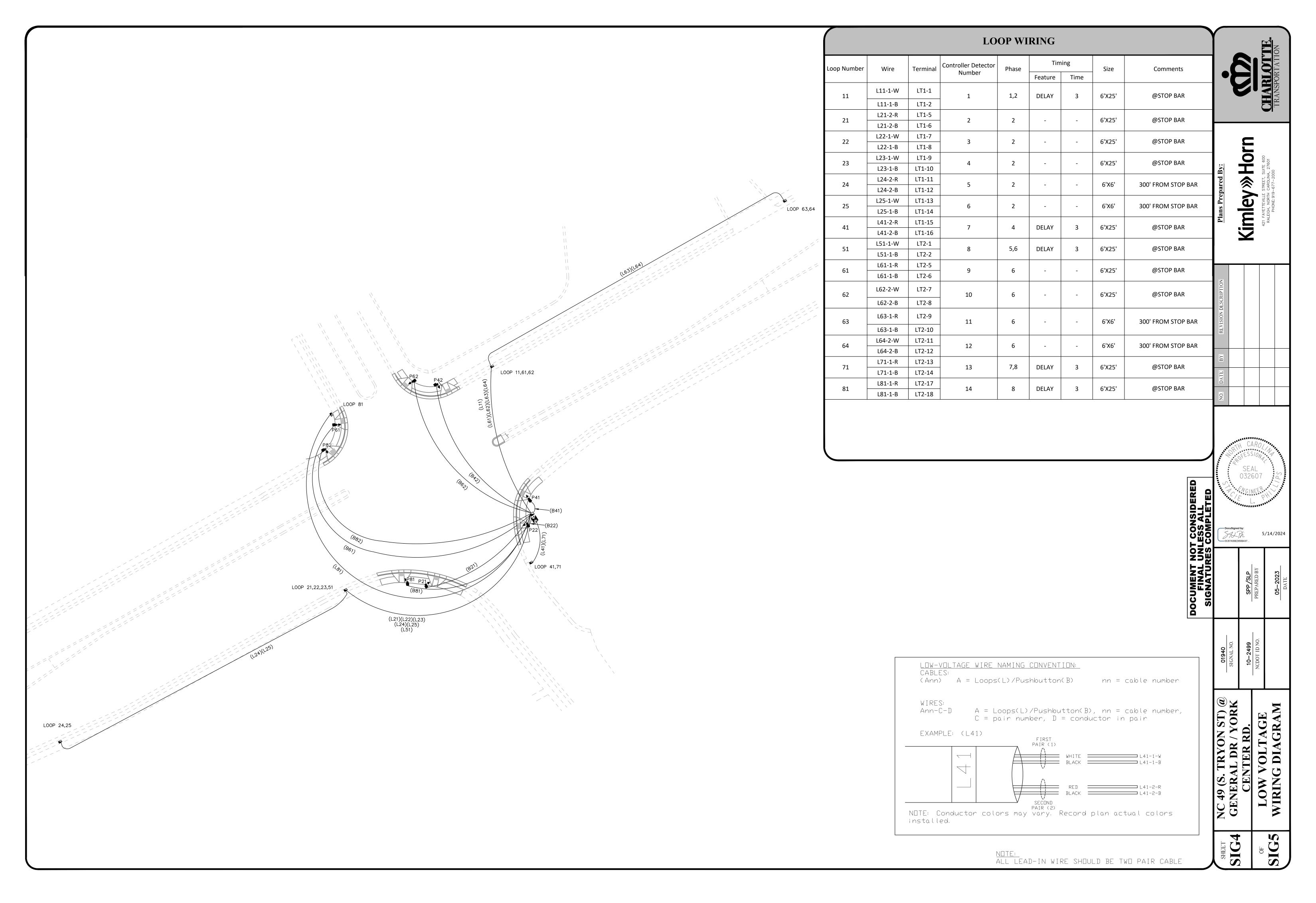


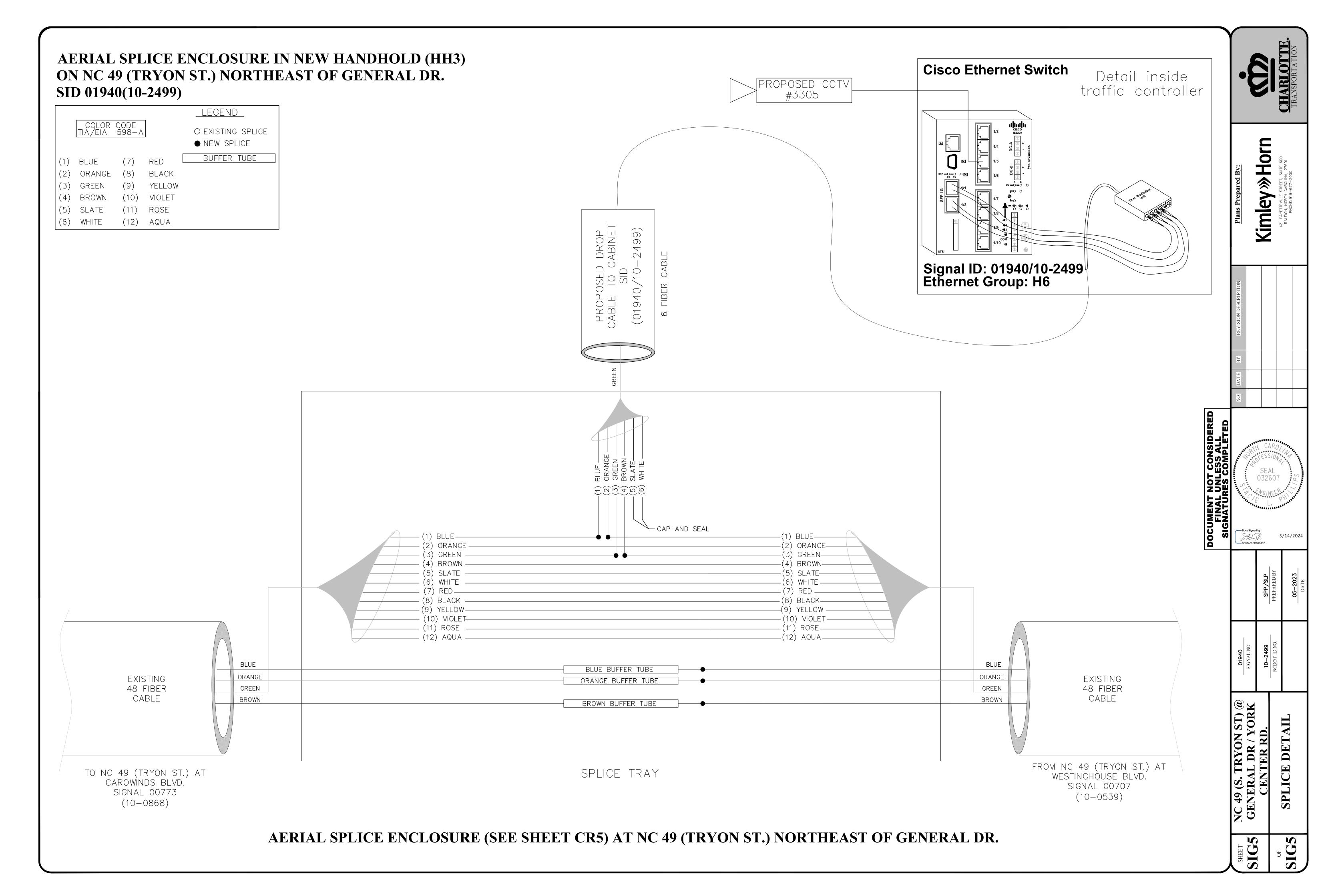
Wednesday, May 8, 2024 2:06:46 PM





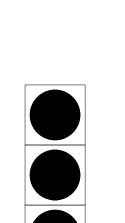






# INDEX OF SHEETS

TOTAL SHEETS

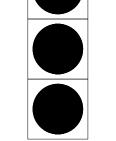




TRANSPORTATION

**Cable Routing of** 

NC 49 (S. Tryon Street) at General Drive/York Center Road





CDOT Signal ID 01940 NCDOT Signal ID 10-2499



# CONVENTIONAL SYMBOLS LEGEND

Maintained as R/W Line			
Existing Structures			
Railroad Tracks			
Proposed Edge of Pavement			
Existing Fence	X	X	X
Temporary Construction Easement	— е –		е
Sidewalk/Utility Easement	SUE	SUE -	
Storm Drainage Easement	SDE	— SDE — S	DE
Existing Gas Line	——— GAS ———	– GAS ——— GA	ıs
Existing Water Line	w	— w ——— v	v
Existing Sanitary Sewer	ss	— ss ——— s	ss ———
<b>Existing Underground Telecommunications</b> -	UT	— UT ——— U	т ———
Existing Underground Electric	UE	— UE ——— U	Ε ——
Existing Storm Drainage	-	~~_	
Existing Guardrail			
Existing Tree	•••••	•••••	
Existing Right-of-Way			
Existing Water Meter			WM
Existing Water Valve			\ <b>\</b> /\/
Existing Gas Valve			GV
Existing Sanitary Sewer Manhole			_
<b>Existing Storm Drain Manhole</b>			
Existing Telephone Manhole			
<b>Existing Electric Manhole</b>	•••••	•••••	(E)
Existing Catch Basin	•••••		Е∃
Existing Light Pole			
Existing/Proposed Utility Pole			
Guy Wire			
Existing Fire Hydrant			
Existing Drop Inlet			
Accessible Ramp			
Tree Protection	••••••	······································	
Silt Fence	••••••	••••••	
Proposed Curb & Gutter, Conc. Drive, Sidev	valk		
Proposed Gravel	•••••		\$\$\$\$¢
Proposed Pavement Removal			
Existing/Proposed Camera	•••••		
Existing/Proposed Traffic Control Box	•••••	•	
Existing/Proposed Hand Hole	•••••	······	
Existing/Proposed Aerial Splice Enclosure	•••••	—	-/-
Existing/Proposed Aerial Splice Enclosure w	/ Slack	^	_ /
Proposed Bore Pit			/
Existing/Proposed Aerial Slack Storage			
Existing Aerial Fiber		_	~ <b>~</b> -
Proposed Aerial Fiber	F(	) ———	_
Proposed Directional Bore	— DE	) ———	_
Proposed Trenching			_
Existing Conduit			_
Proposed Underground Fiber Curb Marker	••••••		)
Proposed Adhesive Fiber Warning Sign		$\sim$	
Existing/Proposed Aluminum Camera Pole	•••••	. 🔘 /	

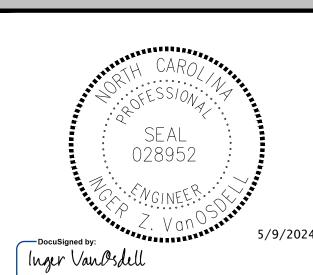


# **Kimley** » Horn

NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601 919- 677-2000

7	PLA		
	LA		

- 1. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION.
- 2. CONTRACTOR TO CUT EXISTING CONDUITS IN NEW AND EXISTING HANDHOLE FOR 6 INCH STUB UP.
- 3. ALL UNUSED CONDUITS TO BE CAPPED AND TAPE SEALED. USED CONDUITS TO BE SEALED WITH SEALING COMPOUND (OR DUCT PLUGS)
- 4. CONDUIT AND FIBER QUANTITIES ARE MEASURED AND LABELED FROM
  HANDHOLE TO HANDHOLE AND/OR POLE TO POLE AND NOT PER SHEET.
- CCTV CAMERA POLE LOCATION MUST BE STAKED AND APPROVED BY CDOTENGINEER. MAINTAIN NESC CLEARANCE REQUIREMENTS AT ALL TIMES.



PE SEAL

le.	DESIGNER:	MC BURKE
01/1	PROJECT MANAGER:	SL PHILLIPS
	CABLE ROUTING ENGINEER:	IV VANOSDELL
2		
ER.		
5/9/2024		

PROJECT TEAM



Existing/Proposed Aluminum Camera Pole .....

Monday, January 29, 2024 1:51:49 PM

SOUTHERN'S NSCE-8 SPECIFICATIONS.

22. BLASTING NOT PERMITTED.

TRAFFIC CONTROL:

21. PIPELINE AND CROSSING TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LAST APPROVED AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION SPECIFICATIONS FOR PIPELINES

23. CCTV POLE LOCATIONS MUST BE APPROVED BY CDOT PRIOR TO CONSTRUCTION.

24. RETURN OLD CCTV AND EQUIPMENT TO CDOT ELECTRONICS LAB. CONTACT AT 704-336-3919 TO ARRANGE DELIVERY.

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF

THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH) AND THE NCDOT STANDARDS AND SPECIFICATIONS.

TRAFFIC CONTROL WILL NOT BE PAID FOR AS A SEPARATE ITEM, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONVEYING FLAMMABLE AND NON-FLAMMABLE SUBSTANCES.

**GENERAL NOTES GENERAL NOTES** TILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE ITY WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY DCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY 1. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OR THE PROGRESSION OF ANY WORK SPECIFIED IN THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND PRIOR TO ANY FURTHER WORK ACTIVITY. INFORMATION.
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET
WITH ALL UTILITY OWNERS, THE CITY UTILITY COORDINATOR AND CITY
INSPECTOR WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY
LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM
DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE
CONTRACTOR SHALL HOLD THE CITY HARMLESS FOR ANY THIRD—PARTY
INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS 2. THE CONTRACTOR IS RESPONSIBLE TO VISIT JOB SITE TO DETERMINE FIELD CONDITIONS WHICH MAY DICTATE THE USE OF SPECIFIC EQUIPMENT NEEDED TO COMPLETE THE CONSTRUCTION SHOWN HEREIN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR ANY SPECIALIZED EQUIPMENT IN THE BID. AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY. 3. IN ORDER TO MINIMIZE IMPACT TO LANDSCAPING MATERIAL, THE CONTRACTOR SHALL EXERCISE CAUTION THROUGH LANDSCAPING LIMITS DURING ALL PHASES OF CONSTRUCTION ACTIVITY. ANY LANDSCAPE MATERIAL DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE. • FOR UTILITY LOCATES CALL NORTH CAROLINA ONE—CALL @ 1-800-632-4949. 4. THE CONTRACTOR SHALL EXERCISE ALL APPROPRIATE SAFETY MEASURES WHEN WORKING IN OR AROUND AREAS OF OVERHEAD ° FOR LOCATES OF UTILITIES NOT MEMBERS OF NORTH CAROLINA ONE—CALL CONTACT PROJECT MANAGER & C.E.I. ELECTRICAL/TRANSMISSION LINES OR UNDERGROUND UTILITIES. HAND DIGGING SHALL BE USED AROUND ALL KNOWN AND LOCATED UTILITIES. DRAINAGE STRUCTURES: 5. THE WORK CORRIDOR SHALL BE RESTORED TO PRE-WORK CONDITIONS. GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE. 6. ALL CONCRETE GUTTERS SHALL BE MAINTAINED OR RESTORED TO PRE-WORK CONDITIONS. <u>DRIVEWAYS AND SIDEWALKS:</u> 7. CONTRACTOR SHALL MAKE SURE THAT ALL NECESSARY PROTECTIVE MEASURES ARE TAKEN TO SAFEGUARD EXISTING UTILITIES DURING PROPOSED DRIVEWAY ENTRANCE DIMENSIONS ARE FROM EXPANSION JOINT FIBER/EQUIPMENT INSTALLATIONS. TO EXPANSION JOINT. MATCH REPLACEMENT MATERIALS TO THE EXISTING SURFACE ACCORDINGLY: 8. ALL ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF. 9. THE LOCATION OF THE CONDUCTORS, CONDUITS, JUNCTION BOXES, SERVICE POINTS, AND CONTROLLER BOXES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED BY THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS. CONDUIT SHALL BE PLACED WITHIN EXISTING RIGHT-OF-WAY. • CONCRETE- SIX INCH PORTLAND CEMENT CONCRETE (3600 PSI). • ASPHALT — (COMMERCIAL) TWO INCH SF9.5B COURSE AND FOUR INCH 119.0B INTERMEDIATE COURSE. (RESIDENTIAL) TWO INCH SF9.5B COURSE AND FOUR INCH AGGREGATE BASE COURSE.

• GRAVEL — SIX INCH INCIDENTAL STONE 10. THE CONTRACTOR SHALL AVOID AND/OR PROTECT ALL TREES AND ROOTS BY HAND DIGGING AS NECESSARY. SIDEWALK SHALL BE FOUR INCHES THICK, AND SIX INCHES THICK AT DRIVEWAY CROSSINGS, PER CITY STD. NO. 10.22 11. VEGETATION SHALL BE REMOVED OR CUT BACK AS DIRECTED BY THE CONSTRUCTION ENGINEER. VEGETATION REMOVAL AND TRIMMING SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF THE CAMERA POLE. CROSS SLOPES ON SIDEWALKS SHALL NOT EXCEED 2.0% RUNNING SLOPES ALONG SIDEWALKS SHALL NOT EXCEED 5.0%, OR THE ADJACENT ROADWAY SLOPE AS MEASURED AT THE GUTTER PAN, 12. PLACE FIBER OPTIC CURB MARKERS AWAY FROM CURB RETURNS. WHICHEVER IS GREATER. 13. THE CONTRACTOR SHALL USE DISCRETION IN DETERMINING ACTUAL BORE PIT LOCATIONS. BORE PIT LOCATIONS MAY BE ADJUSTED A TURNING SPACE (LANDING) SHALL BE PROVIDED AT ALL LOCATIONS WHERE A PEDESTRIAN MIGHT TURN TO CHANGE DIRECTION OF TRAVEL. THE LANDING SHALL BE A MINIMUM OF 4 FEET BY 4 FEET, UNLESS NOTED BY THE ENGINEER. TYPICALLY LANDING DIMENSIONS WILL MATCH SIDEWALK WIDTH. THE LANDING ALSO SHALL NOT EXCEED 2.0% SLOPE MEASURED PERPENDICULAR TO THE ROADWAY. THE LANDING ALSO SHALL NOT EXCEED 2.0% OF ADJACENT ROADWAY SLOPE, WHICHEVER IS DEPENDING ON CONTRACTOR'S ABILITY TO LENGTHEN BORE DISTANCES BETWEEN BORE PITS. UNDER NO CIRCUMSTANCES SHALL CONTRACTOR SHORTEN BORE DISTANCES. 14. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, NATIONAL ELECTRIC SAFETY CODE, AND THE NORTH CAROLINA D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. GREATER, MEASURED PARALLEL TO THE ROADWAY. A CROSS SLOPE TRANSITION PANEL MAY BE REQUIRED WHERE PROPOSED SIDEWALK MEETS EXISTING SIDEWALK WITH A CROSS SLOPE GREATER THAN 2.0%. THE TRANSITION PANEL SHALL NOT EXCEED 2.0% ON THE REQUIREMENTS. 15. PULLING INSTRUCTIONS FOR POWER CONDUCTORS; CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET MANUFACTURES REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURERS REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY N.E.C. OR N.E.S.C. FOR CABLE USED. SIDE OF THE PROPOSED SIDEWALK AND/OR RAMP, AND SHALL MATCH THE EXISTING CROSS SLOPE ON THE SIDE OF THE EXISTING SIDEWALK. SUBSURFACE PLANS: NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR MAY MAKE HIS OWN INVESTIGATION TO DETERMINE SUBSURFACE CONDITIONS. 16. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL OF THE EQUIPMENT SPECIFICATIONS OR DESIGN AND SHOP DRAWINGS, INCLUDING PLAN OF ATTACHMENTS FOR ALL MATERIAL PROPOSED FOR THIS PROJECT NOT DETAILED IN THE PLANS. SUBMITTED PLAN SHALL BE SIGNED AND SEALED AT ENGINEER'S DISCRETION. TREES, SHRUBS, AND HEDGES: 17. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON 1. THE CONTRACTOR SHALL ALSO PROTECT TREES AND SHRUBS OUTSIDE OR OFF CITY-OWNED AND NCDOT-OWNED R/W IN A REGULATORY FLOOD ZONE AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY WITHOUT APPROVAL BY SAME. ALL MATERIAL SHALL BE DISPOSED OF IN OF CUT/FILL LINES, IN ADDITION TO THOSE THAT RECEIVE TREES/SHRUB PROTECTION BARRIERS. WHEN ROOT PRUNING IS NECESSARY, CUT PROTECTION BARRIERS. WHEN ROOT PRUNING IS NECESSARY, CUT ROOTS CLEANLY USING A DISC TRENCHER IN ACCORDANCE WITH SECTION 01000 OF THE CITY OF CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS. PRUNING SHALL BE PER THE LATEST STANDARD OF THE LANDSCAPE CONSTRUCTION STANDARDS MANUAL. TREES SPECIFIED BY THE PLANS TO HAVE PROTECTION SHALL BE IN ACCORDANCE WITH CLD STD. 40.02. WHEN THE TREE IS CLOSE TO THE WORK AREA TREE PROTECTION CLD STD. 40.12 SHALL BE USED. UPLAND (NON-WETLAND) AREAS AND PER LOCAL CODE. THE COST OF THE MATERIAL DISPOSAL SHALL BE INCIDENTAL TO THE EQUIPMENT 18. AT LOCATIONS NEAR REINFORCED EARTH WALLS AND EXISTING BARRIER WALLS, THE CONTRACTOR IS TO ASSURE THAT THE WALL IS NOT UNDERMINED DURING FOUNDATION EXCAVATION AND INSTALLATION. METHODS USED TO SHORE UP WALLS SHALL BE APPROVED BY THE ENGINEER. THE COST SHALL BE INCIDENTAL TO THE UNDERGROUND CONDUIT INSTALLATION. 2. IN ORDER TO MINIMIZE IMPACT TO LANDSCAPING MATERIAL, EXERCISE CAUTION THROUGH LANDSCAPING LIMITS DURING ALL PHASES OF CONSTRUCTION ACTIVITY. THE CONTRACTOR IS REQUIRED TO INSTALL TEMPORARY 4' HIGH ORANGE PLASTIC BARRIER FENCING PRIOR TO WORKINGS AROUND AREAS OF LANDSCAPING. THE FENCE CAN BE MOVED AS THE WORK PROGRESSES. COST OF THE TEMPORARY FENCE IS 19. CONTRACTOR SHALL INSTALL HANDHOLES BEHIND SIDEWALK IF AVAILABLE R/W AS FIRST OPTION, IN PLANTING STRIP AS SECOND OPTION, AND IN SIDEWALK AS THIRD OPTION. INCIDENTAL TO INSTALLATION OF CCTV POLES. REPAIR/ REPLACE ANY DAMAGED LANDSCAPING AND PLANT BEDS CAUSED BY CONSTRUCTION 20. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF NORFOLK

# PLANS:

1. AERIAL PHOTOGRAPHY IN THESE PLANS MAY NOT REPRESENT CURRENT CONDITIONS. THE CONTRACTOR SHALL REVIEW THE SITE CONDITIONS PRIOR TO BIDDING / CONSTRUCTION.

2. THE BASE MAPPING DEPICTED ON ALL LAYOUT SHEETS WAS OBTAINED FROM EXISTING PLANS PROVIDED BY CDOT AND AERIAL PHOTOGRAPHY. THEREFORE, THE ACCURACY OF THE BASE MAPPING IS NOT THAT OF SURVEYED MAPPING TYPICALLY USED WITH ROADWAY DESIGN PROJECTS AND SHOULD ONLY BE RELIED UPON FOR ESTABLISHING GENERAL LOCATIONS FOR EXISTING AND PROPOSED FEATURES.

3. BASELINES SHOWN ON THE PLANS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.

4. THE RIGHT OF WAY DESIGNATIONS SHOWN ON THE PLANS ARE NOT TIED TO A SURVEYED CENTERLINE AND AS SUCH ARE APPROXIMATE.

5. CABINETS AND PULL BOXES ARE DIMENSIONED TO THE CENTER. THE LOCATION OF ALL PROPOSED EQUIPMENT TO BE INSTALLED SHALL BE CONSIDERED TO BE APPROXIMATE AND ADJUSTMENTS MAY BECOME NECESSARY. VARIATIONS FROM THE PROPOSED LOCATIONS MUST BE VERIFIED WITH THE ENGINEER. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO CONSTRUCTION. THE COST FOR STAKING THE POLE LOCATIONS SHALL BE PAID FOR AS PART OF THE POLE INSTALLATION.

# EROSION CONTROL:

THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROPRIATE CITY AND STATE EROSION AND SEDIMENT CONTROL ORDINANCES. THE CONTRACTOR SHALL PREVENT STANDING WATER DUE TO CONSTRUCTION. DISTURBED AREAS SHALL BE SEEDED AND MULCHED AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL FOLLOW APPLICABLE EROSION CONTROL MEASURES SHOWN IN THE 2018 OR CURRENT EDITION OF NCDOT STANDARD SPECIFICATIONS.

**GENERAL NOTES** 

EROSION CONTROL WILL NOT BE PAID FOR AS A SEPARATE ITEM, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

PAVEMENT DEGRADATION FEE:

CDOT HAS DETERMINED THAT NO PAVEMENT DEGRADATION FEE IS TO BE ASSESSED.

CONDUIT:

DAY/NIGHT OPERATION.

1. THE FIBER OPTIC CONDUIT NETWORK SHALL BE MAINTAINED AT A CONSTANT HORIZONTAL AND VERTICAL LOCATION.

CONDUIT RUN SHALL NOT EXCEED 270 DEGREES OF BENDS BETWEEN

3. MINIMUM REQUIRED CONDUIT BURY DEPTHS SHALL BE MAINTAINED WHERE CONFLICTS OCCUR WITH DRAINAGE OR OTHER UTILITIES PER THESE

4. ALL NEW UNDERGROUND CONDUIT SHALL BE SEALED AT BOTH ENDS TO PREVENT THE ENTRY OF DUST, DIRT OR MOISTURE. 5. ALL CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORKING DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. THE CONTRACTOR SHALL NOT OPEN ANY AREA THAT CANNOT BE BACKFILLED IN THE SAME

6. IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL BORE OR TRENCHING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS. THE CONTRACTOR SHALL HAND DIG THE FIRST 4' TO VERIFY POSSIBLE UTILITY

7. THE PLANS SHOW THE GENERAL ROUTE AND LOCATION OF CONDUIT AND EQUIPMENT RELATIVE TO MAJOR PHYSICAL FEATURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL ABOVEGROUND AND UNDERGROUND CONFLICTS IN ADVANCE OF THE PLACEMENT OF ANY CONDUIT OR OTHER FACILITIES. THE CONTRACTOR SHALL FIELD MARK THE PROPOSED ALIGNMENT FOR REVIEW AND CONCURRENCE BY THE ENGINEER PRIOR TO TRENCHING AND/OR PLACEMENT. NO PULL BOXES OR SPLICE VAULTS SHALL BE LOCATED IN DRAINAGE SWALES, DITCHES OR PAVED

EXISTING SANITARY SEWER AND WATER LINE:

THE CONTRACTOR SHALL USE CARE WHEN WORKING AROUND SANITARY SEWERS AND WATER LINES. SHOULD THE CONTRACTOR DAMAGE EXISTING SEWER OR WATER LINES, HE SHALL IMMEDIATELY REPLACE THE LINE AT HIS EXPENSE WITH DUCTILE IRON PIPE. THE CONTRACTOR SHALL REPLACE SANITARY SEWER AND/OR WATER LINE, WITH A MINIMUM TEN FOOT SECTION OF DUCTILE IRON PIPE WHEN DRAINAGE PIPE COMES WITHIN TWO FEET OF SAID LINES, VERTICALLY OR HORIZONTALLY.

CAMERA:

CDOT ELECTRONIC SYSTEMS LAB SHALL APPROVE THE FIRST CAMERA CONTROL BOX BUILT BY THE CONTRACTOR

30.17A..

30.17B..

UNDER NO CIRCUMSTANCES SHALL ENERGIZED CABLE BE PLACED IN THE SAME CONDUIT AS FIBER OPTIC CABLE UNLESS OTHERWISE APPROVED BY

# **STANDARDS**

THE FOLLOWING STANDARDS AND THE LATEST REVISION THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE ARE CONSIDERED A PART OF THESE PLANS. NCDOT STANDARDS SHALL BE USED. CHARLOTTE LAND DEVELOPMENT STANDARDS MAY BE USED IF THERE IS NOT AN APPLICABLE NCDOT STANDARD.

CONSTRUCTION TO BE CONSISTENT WITH LATEST EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

STD. NO.:	TITLE:
848.01	CONCRETE SIDEWALK
	JUNCTION BOXES
1720.01	POLES
1721.01	GUY ASSEMBLIES
1730.01	FIBER-OPTIC CABLE SLACK
CHARLOTTE LAND	DEVELOPMENT STANDARD:
STD. NO.:	TITLE:
30.06A	TEMPORARY SILT FENCE

..SEEDING SCHEDULE

.SEEDING SCHEDULE

# CHARLOTTE LAND DEVELOPMENT STANDARD:

**ABBREVIATIONS** 

ABAND	
ASPH	
APPROX	
B/C	
BIT	
BM	
BRG	
CB	
C&G	CURB AND GUTTER
CL	CLEARANCE C/L
FENCE	
CMP	
CONC	
CONST	
DI	
DIA	
DW	
DIM	
E	
EA	
ELEV	
EOP	
ESMT	
EXIST	
F/C	
FES	
FH	
FOC	
GV	
HORIZ	
INT	
IN V	
IP	IRON PIN SET
L	LENGTH
LF	LINEAR FOOTAGE
LT	LEFT
lb	POUND
LP	LIGHT POLE
MAX	MAXIMUM
MIN	
MONO	MONOLITHIC
mph	
М TL	
N	
NTS	NOT TO SCALE
0/H	
OC	
PAVT	OIT OLITICITY
PC	PAVEMENT POINT OF CURVATURE
PERM	
PG	
<u> </u>	PAGE POINT OF INT
PK	POINT OF INT
PP	
PROP	POWER POLE
PSE	PROPOSED  DEDM SW FSMT
PT	PERM SW ESMT
PVI	POINT OF TANGENCY
PUE	POINT OF VERT INT
. ∨∟	PERM UTILITY ESMT
r	
	RADIUS
RT	RADIUS RIGHT
RT RCP	RADIUS RIGHT REINFORCED CONC PIPE
RT RCP R/W	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY
RT RCP R/W S	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH
RT RCP R/W S SD	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN
RT RCP R/W S SD SF	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT
RT RCP R/W S SD SF SS	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN
RTRCPR/WSSDSFSFSSSSSSSSSS	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL
SD	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND VERTICAL CURVE
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND VERTICAL CURVE VERTICAL
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND VERTICAL WITH
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND VERTICAL CURVE VERTICAL WITH WATER METER W
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND VERTICAL CURVE VERTICAL WITH WATER METER W WATER VALVE
RT	RADIUS RIGHT REINFORCED CONC PIPE RIGHT OF WAY SOUTH STORM DRAIN SQUARE FOOT SANITARY SEWER STATION STANDARD SIDEWALK TANGENT TEMP CONST ESMT TEMPORARY TRAVERSE POINT TEST WIRE TYPICAL UNDER GROUND VERTICAL CURVE VERTICAL WITH WATER METER W



FEET



Horn Kimley

ACTOR TO ENSURE AIL IS CURRENT OF CONSTRUCTION

CDOT ST CONTRA DETA AT TIME (

R2

OF K

Know what's **below. Call** before you dig.

# TRAFFIC CONTROL NOTES

A) ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE MOST CURRENT EDITIONS OF THE CHARLOTTE DEPT. OF TRANSPORTATION(CDOT) WORK AREA TRAFFIC CONTROL HANDBOOK(W.A.T.C.H.), THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) SUPPLEMENT TO THE M.U.T.C.D., THE NCDOT ROADWAY STANDARD DRAWINGS AND THE CURRENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

B) THE CONTRACTOR IS TO NOTIFY CDOT IN WRITING 10 WORKING DAYS IN ADVANCE OF ANY ROAD CLOSURE OR 5 WORKING DAYS PRIOR TO CLOSING ONE OR MORE TRAVEL LANES IN ACCORDANCE WITH THE SECTION "APPROVAL AND NOTIFICATION REQUIREMENT FOR WORK IN THE PUBLIC RIGHT-OF-WAY OF THE W.A.T.C.H. HANDBOOK.

C) ALL SIGNAL REVISIONS OR SHIFTS OF SIGNAL HEADS WILL BE THE RESPONSIBILITY OF CDOT; PRIOR TO REVISING TRAFFIC LANES WHICH REQUIRE SIGNAL REVISIONS, THE CONTRACTOR SHALL NOTIFY THE CDOT IMPLEMENTATION SECTION MANAGER (TONY TAGLIAFERRI/ 980-310-7539) OR HIS REPRESENTATIVE A MINIMUM OF 30 CALENDAR DAYS IN ADVANCE. TRAFFIC LANES SHALL NOT BE SHIFTED UNTIL THE REQUIRED SIGNAL REVISION/SHIFT IS COMPLETE AND READY FOR ACTIVATION. ALL COMPLETE RESTRINGS OR NEW TRAFFIC SIGNALS REQUIRE 60 CALENDAR DAYS NOTICE.

D) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH, INSTALL, RELOCATE, AND MAINTAIN ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, WARNING AND OR CHANNELIZING DEVICES FOR WORK SITES AND DETOUR ROUTES AS SHOWN IN TRAFFIC CONTROL PLANS UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

E) CONSTRUCTION PHASING MAY DICTATE THAT TWO OR MORE TYPICAL W.A.T.C.H. DIAGRAMS OR STANDARDS BE USED IN ONE AREA OF CONSTRUCTION. CHANNELIZING DEVICES ASSOCIATED WITH THESE TYPICALS SHALL BE MOVED, SUPPLEMENTED, CHANGED, OR REMOVED AS NECESSARY TO COMPLY WITH THE CONSTRUCTION PHASING OF THE PLANS. THE LOCATION AND POSITIONING OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER TO ENSURE THAT THE MOTORIST DOES NOT RECEIVE FALSE INFORMATION WHEN TWO OR MORE TYPICALS AND/OR ROADWAY STANDARD DRAWINGS OVERLAP.

F) CONTRACTOR SHOULD BE AWARE THAT WHEN THE CONSTRUCTION AREA IS IN OR NEAR A VERTICAL CREST OR HORIZONTAL CURVE, THE WORK AREA SHALL BE EXTENDED SO THAT LANE CLOSURE BEGINS IN ADVANCE OF THE CURVE AND MINIMUM STOPPING SIGHT DISTANCE IS MET.

G) OFF-DUTY POLICE OFFICERS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER TO BE PRESENT FOR CONTROLLING TRAFFIC DURING CONSTRUCTION HOURS.

H) THE CONTRACTOR SHALL IDENTIFY ALL HAZARDS WITHIN THE LIMITS OF THE PROJECT WITH WELL-MAINTAINED SIGNS, BARRICADES, WARNING AND/OR CHANNELIZING DEVICES. ON CONNECTING ROADS, ALL BARRICADES, SIGNS, WARNING, AND/OR CHANNELIZING DEVICES SHALL BE MOVED, SUPPLEMENTED, CHANGED, OR REMOVED AS REQUIRED DURING THE PROGRESS OF CONSTRUCTION AS APPROVED BY THE ENGINEER.

I) WORK ON THE PROJECT OR ANY SEPARATE ACTIVITY THEREIN SHALL NOT START UNTIL ALL OF THE REQUIRED SIGNS, BARRICADES, WARNING, AND /OR CHANNELIZING DEVICES ARE INSTALLED AND APPROVED BY THE ENGINEER.

J) THE CONTRACTOR SHALL CONTACT TONY TAGLIAFERRI, IMPLEMENTATION SECTION MANAGER (980-310-7539) OR REPRESENTATIVE WITH THE CITY OF CHARLOTTE DEPARTMENT OF TRANSPORTATION (CDOT) TWO WEEKS PRIOR TO BEGINNING ANY WORK THAT WILL REQUIRE THE RELOCATION OF SIGNS OR OTHER TRAFFIC CONTROL DEVICES BY THE CITY.

K. THE CONTRACTOR MUST MAINTAIN DURING ALL PERIODS OF CONSTRUCTION ACTIVITY THE ABILITY TO FLAG TRAFFIC USING QUALIFIED FLAGGERS WHEN NECESSARY OR REQUIRED

# TRAFFIC CONTROL NOTES

L. THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT MARKINGS AND ADDRESS CONFLICTING PAVEMENT MARKINGS IN ACCORDANCE WITH THE SECTION "TEMPORARY TRAFFIC CONTROL ZONE DEVICES" OF THE W.A.T.C.H. HANDBOOK OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ANY EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

M) THE CONTRACTOR SHALL MAINTAIN TWO WAY TRAFFIC ON ALL PÓRTIONS OF THIS PROJECT UNLESS OTHERWISE SPECIFIED IN THE PLANS, PROJECT NOTES, OR BY THE ENGINEER. FOR ALL APPROVED ROAD AND LANE CLOSURES, THE CONTRACTOR MUST NOTIFY TONY TAGLIAFERRI, IMPLEMENTATION SECTION MANAGER (980-310-7539) OR REPRESENTATIVE A MINIMUM OF TEN WORKING DAYS PRIOR TO THE ROAD CLOSING, AND FIVE WORKING DAYS PRIOR TO A 24-HOUR/PEAK HOUR LANE CLOSURE.

N) THE CONTRACTOR WILL BE REQUIRED TO PROVIDE PROPERTY OWNERS AND TENANTS ACCESS TO THEIR PROPERTIES THROUGHOUT THE PROJECT LIMITS, INCLUDING REASONABLE INGRESS AND EGRESS FOR BUSINESSES. SPECIAL ATTENTION SHALL BE PAID TO FIRE HYDRANTS.

O) THE CONTRACTOR IS TO NOTIFY (BY MAIL) ALL PROPERTY OWNERS AND OCCUPANTS WHO HAVE DIRECT ACCESS TO THE ROADWAY WITHIN THE PROJECT LIMITS A MINIMUM OF 5 AND A MAXIMUM OF 10 WORKING DAYS PRIOR TO INSTALLING TRAFFIC CONTROL DEVICES IN FRONT OF THOSE PROPERTIES. NOTIFICATIONS SHOULD INCLUDE CONTACT PERSONS NAME, TELEPHONE NUMBER, EMAIL ADDRESS, AND MAILING ADDRESS.

P) THE CONTRACTOR SHALL PATROL THE WORK SITE AT THE BEGINNING AND END OF EACH WORK DAY, AT A MINIMUM, TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING PROPERLY. CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING AT ALL TIMES DURING PERIODS OF CONSTRUCTION INACTIVITY.

Q) DURING PERIODS OF INACTIVITY OR AT NIGHT, EQUIPMENT SHALL NOT BE PARKED IN SUCH A MANNER AS TO BLOCK SIDEWALKS, TRAFFIC CONTROL DEVICES, OR THE MOTORISTS' VIEW OF TRAFFIC. EQUIPMENT SHALL BE AT LEAST 10 FEET AWAY FROM THE TRAVEL LANE. EQUIPMENT SHALL NOT BLOCK SIDEWALKS AT ANY TIME UNLESS THE SIDEWALK ITSELF IS UNDERGOING CONSTRUCTION.

R) WHENEVER TRAFFIC MUST BE ROUTED ACROSS THE CÉNTERLINE DURING CONSTRUCTION ACTIVITY, THE TWO OPPOSING DIRECTIONS MUST BE PHYSICALLY SEPARATED. TRAFFIC CONES CAN BE USED FOR THIS PURPOSE DURING DAYLIGHT HOURS; REFLECTORIZED CONES OR DRUMS MUST BE USED AT NIGHT. TRAFFIC SHALL NOT BE ROUTED ACROSS THE CENTERLINE DURING CONSTRUCTION INACTIVITY UNLESS PAVEMENT MARKING CONFLICTS ARE APPROPRIATELY ADDRESSED AND AGREEMENT ON REMOVAL OR NOT IS WORKED OUT WITH THE ENGINEER IN ACCORDANCE WITH THE SECTION "DURATION OF WORK" OF THE W.A.T.C.H. HANDBOOK. IF THE ENGINEER APPROVES TRAFFIC TO CROSS THE CENTER LINE DURING CONSTRUCTION INACTIVITY, ONLY REFLECTORIZED DRUMS MUST BE USED.

S) THE CITY ENGINEER OR DIRECTOR OF THE CHARLOTTE DEPARTMENT OF TRANSPORTATION OR THEIR APPOINTED REPRESENTATIVES ARE AUTHORIZED TO STOP ANY WORK WITHIN PUBLIC RIGHT OF WAY THAT DOES NOT FOLLOW THIS TRAFFIC CONTROL PLAN OR REQUIREMENTS OF THE W.A.T.C.H. AND THE M.U.T.C.D. UNTIL SUCH REQUIREMENTS ARE MET.

T) ADJACENT LANES TO CONSTRUCTION ZONES MAY REMAIN OPEN IF LATERAL CLEARANCE BETWEEN EDGE OF TRAVEL LANE AND EQUIPMENT IS EQUAL TO OR GREATER THAN 2 FEET (INCLUDING WIDTH OF DRUM). IF A DROPOFF EXISTS WITHIN THE WORK ZONE, CONTRACTOR SHOULD FOLLOW THE SECTION "MISCELLANEOUS CONSIDERATIONS" OF THE W.A.T.C.H. HANDBOOK PERTAINING TO ADJACENT LANE CLOSURES DUE TO DROPOFFS.

# TRAFFIC CONTROL NOTES

U) THE CONTRACTOR SHALL FOLLOW THE PHASING AS DESCRIBED HEREIN. THE CONTRACTOR SHALL COMPLETE THE REQUIREMENTS OF EACH CONSTRUCTION PHASE IN SEQUENCE. WHEN A CONSTRUCTION PHASE IS DIVIDED INTO STEPS, THE CONTRACTOR SHALL COMPLETE THE REQUIREMENTS OF EACH STEP IN SEQUENCE UNLESS OTHERWISE SPECIFIED IN THE PLAN OR APPROVED BY THE ENGINEER, (EXAMPLE: THE REQUIREMENTS OF PHASE I SHALL BE COMPLETED BEFORE PROCEEDING TO PHASE II; THE REQUIREMENTS OF STEP 1 OF PHASE I SHALL BE COMPLETED BEFORE PROCEEDING TO STEP 2 OF PHASE I). ALL WORK DESCRIBED IN THE PROJECT PHASING SHALL BE PERFORMED BY THE CONTRACTOR, EXCEPT WHERE IT IS SPECIFIED FOR CERTAIN WORK TO BE PERFORMED BY OTHERS.

V) THE CONTRACTOR SHALL NOT BE ALLOWED TO STOP TRAFFIC FOR MORE THAN 5 MINUTES AT A TIME IN ANY ONE DIRECTION.

W) CONTRACTOR SHALL NOT BE ALLOWED TO WORK ON BOTH SIDES OF THE ROAD SIMULTANEOUSLY WITHIN THE SAME AREA EXCEPT WHERE THE ROADWAY IS DIVIDED BY A RAISED MEDIAN AND PEDESTRIAN TRAFFIC IS MAINTAINED ON AT LEAST ONE SIDE UNIMPEDED. IT WILL BE ACCEPTABLE TO CONSTRUCT BORE PITS ON EACH SIDE OF A ROADWAY FOR BORING UTILITIES UNDER THE ROADWAY UNLESS SUPERCEDED BY ENGINEER TO COMPLY WITH PEDESTRIAN REQUIREMENTS OR LATERAL CLEARANCE FROM TRAVEL LANES.

X) THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE SECTION "PEDESTRIAN CONSIDERATIONS" OF THE W.A.T.C.H. PEDESTRIANS MUST NOT BE REROUTED TO CROSS TO THE OTHER SIDE OF THE ROAD UNLESS THE ENGINEER AGREES THAT THERE IS NO ALTERNATE SAFE ROUTE ON THE SAME SIDE OF THE STREET. THE ALTERNATIVE PEDESTRIAN ROUTE IF APPROVED/USED MUST INCLUDE ACCESSIBILITY AND DETECTABLE FEATURES CONSISTENT WITH THE EXISTING PEDESTRIAN FACILITY.

Y) THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE SECTION "TEMPORARY TRAFFIC CONTROL ZONE DEVICES" OF THE W.A.T.C.H. NEITHER PORTABLE NOR PERMANENT SIGNS OR SIGN SUPPORT SHOULD OBSTRUCT SIDEWALKS UNLESS THE SIDEWALK ITSELF IS UNDERGOING CONSTRUCTION. A 4' MINUIMUM CLEAR PATH MUST BE MAINTAINED WHEN A PORTABLE SIGN IS TO BE PLACED IN THE EXISTING SIDEWALK OTHERWISE, ROAD SIGNS SHOULD BE MOUNTED ON A POST WITH A MINIMUM VERTICAL CLEARANCE OF 7' FROM THE SURFACE OF THE SIDEWALK.

**Kimley** » Horn

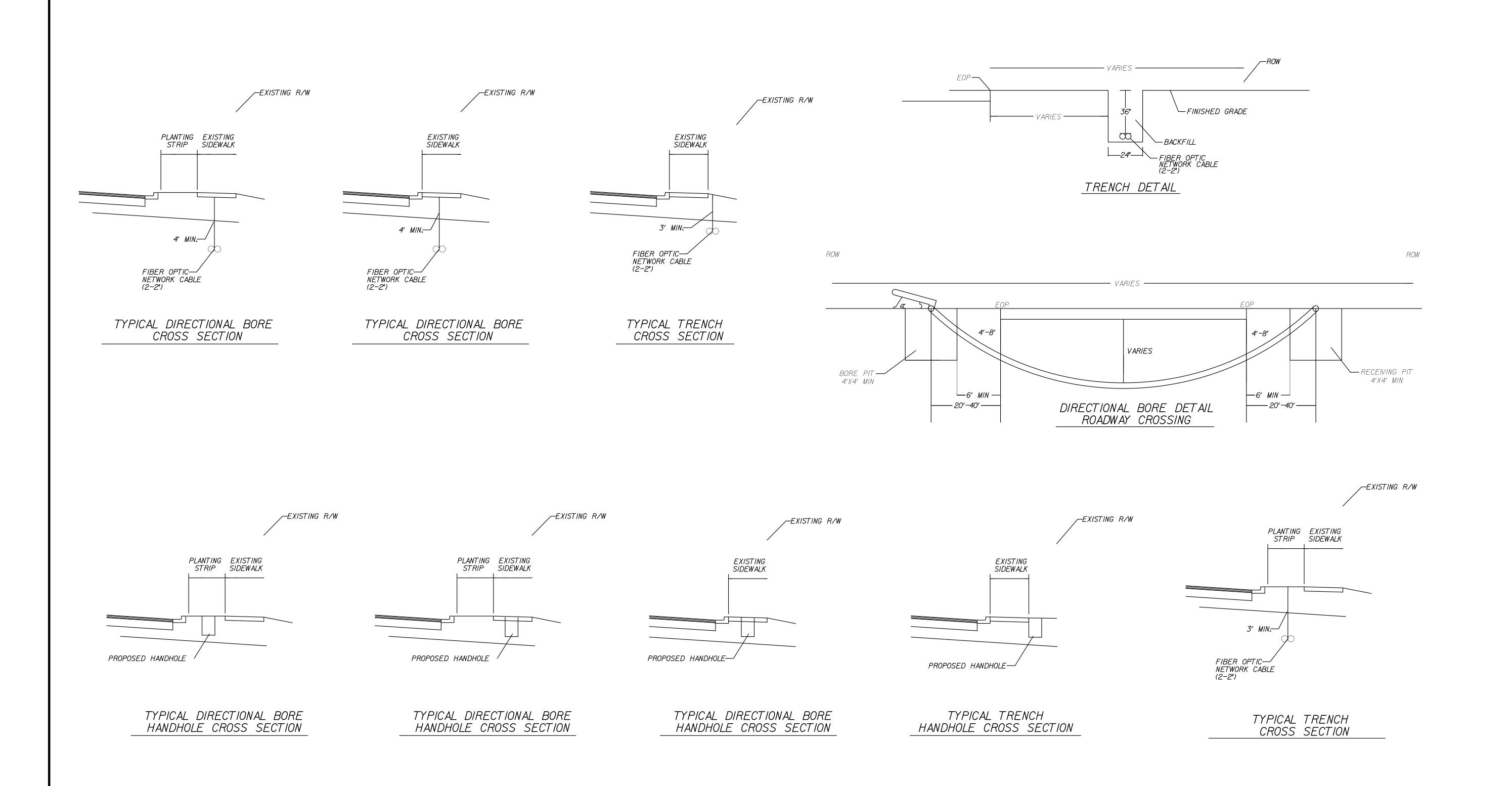
CDOT STANDARD DETAIL
CONTRACTOR TO ENSURE
DETAIL IS CURRENT
AT TIME OF CONSTRUCTION

CR2B

1' MIN. FROM— EDGE OF THE TRAVEL LANE 0 40 4 0 040 4 0 40 40 40 PORTABLE SIGN IN SIDEWALK ACCEPTABLE

WORK ZONE TRAVELWAY DETAIL A N.T.S.

# TRENCH AND DIRECTIONAL BORE DETAILS

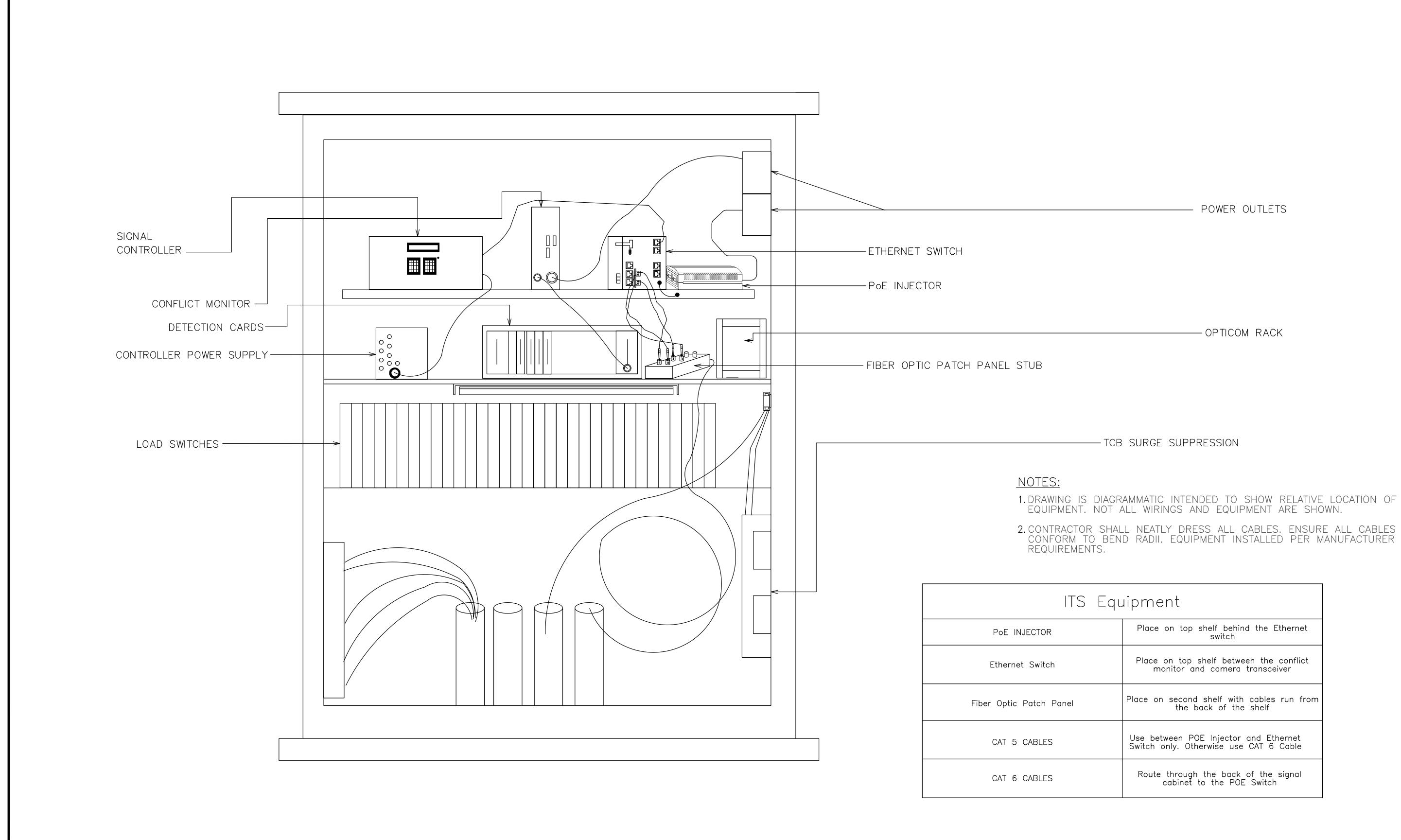




**Kimley** » Horn

SHEET CR2C





HARIOTTE.

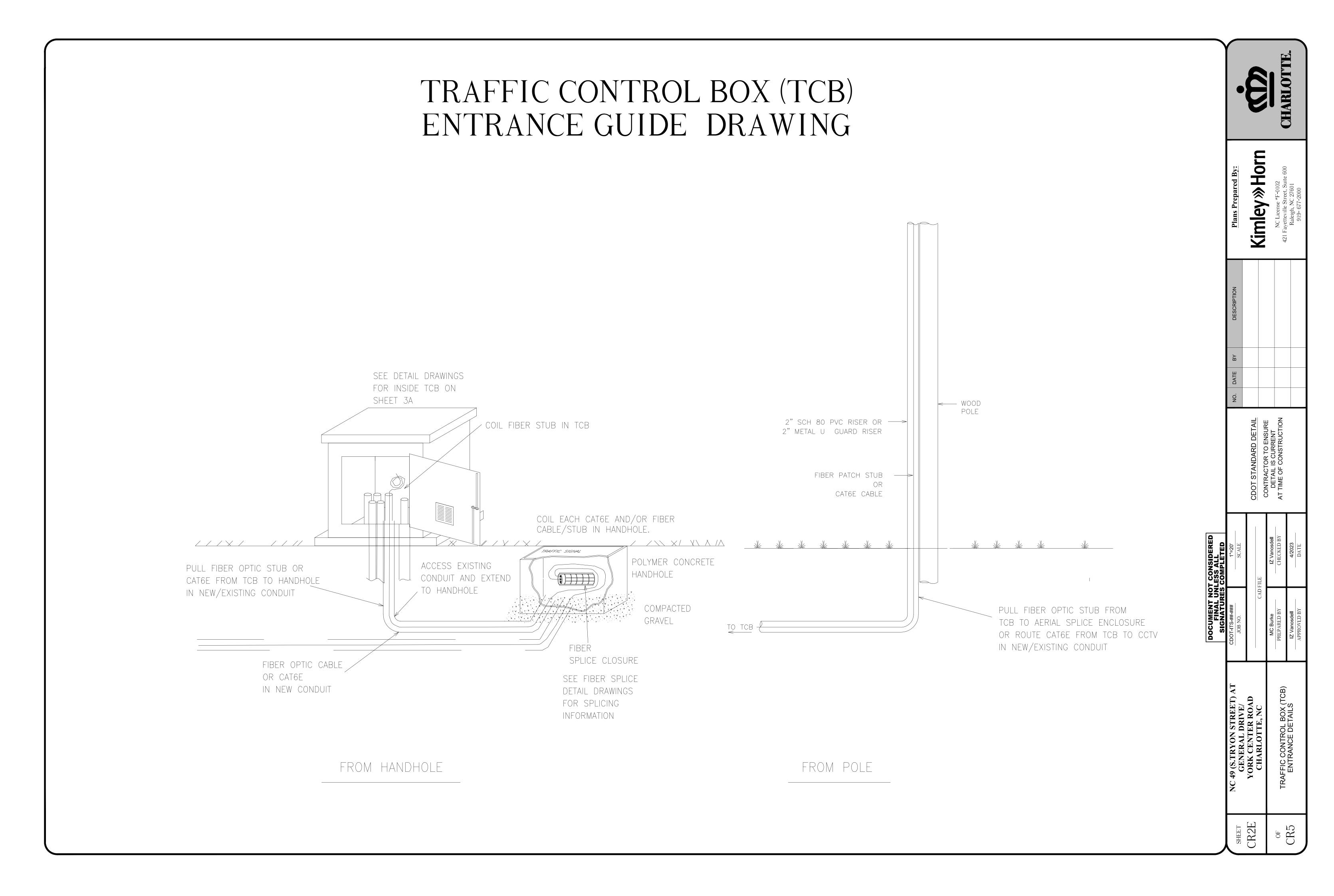
Kimley >>> Horn

DESCRIPTION				
ВУ				
NO. DATE				
NO.				
	CDOT STANDARD DETAIL	CONTRACTOR TO ENSURE	AT TIME OF CONSTRUCTION	

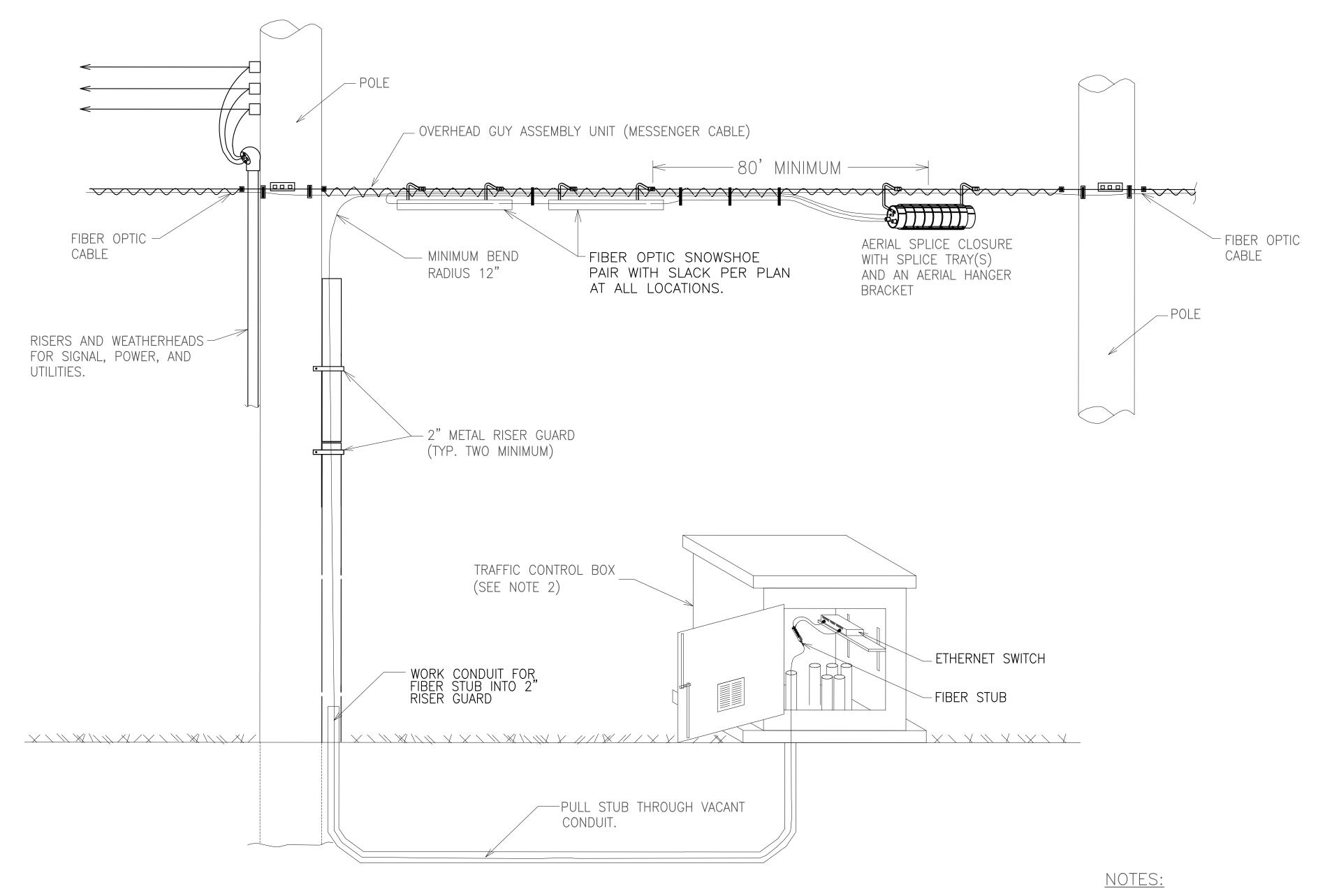
SHEET
CR2D
CR2D
OF
TRAFFIC CONTROL BOX
CR5

CR5

TRAFFIC CONTROL BOX
TZ Vance Address of the page of t



# TYPICAL AERIAL FIBER INSTALLATION WITH TCB



TYPICAL EQUIPMENT CONFIGURATION AT AERIAL SPLICE CLOSURE INSTALLATIONS

- 1. SLACK SHALL BE INSTALLED AT ALL SNOWSHOES. 80' MINIMUM SHALL BE PROVIDED BETWEEN THE SNOWSHOES AND AERIAL SPICE CLOSURE.
- 2. SEE EQUIPMENT DIAGRAM FOR TCB DETAILS.
- 3. FOLLOW CABLE MANUFACTURER INSTALLATION GUIDELINES FOR CABLE LASHING.
- 4. POLE GROUNDING NOT SHOWN. FOR CLARITY, REFER TO NCDOT STANDARD NO. 1720.01.
- 5. FOR HANDHOLE CONSTRUCTION, REFER TO NCDOT STANDARD NO. 1730.01.

-61	HARIOTTE
	7

Flans Prepared By:

Kimley >>> Horn

NC License #F-0102

421 Fayetteville Street, Suite 600

IO. DATE BY DESCRIPTION

CDOT STANDARD DETAIL

CONTRACTOR TO ENSURE
DETAIL IS CURRENT
AT TIME OF CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SDOT-ITS-##-###

JOB NO.

CAD FILE

NC 49 (S.TRYON STREET) AT
GENERAL DRIVE/
YORK CENTER ROAD
CHARLOTTE, NC

TRAFFIC CONTROL BOX (TCB)
ENTRANCE DETAILS
IZ VAR

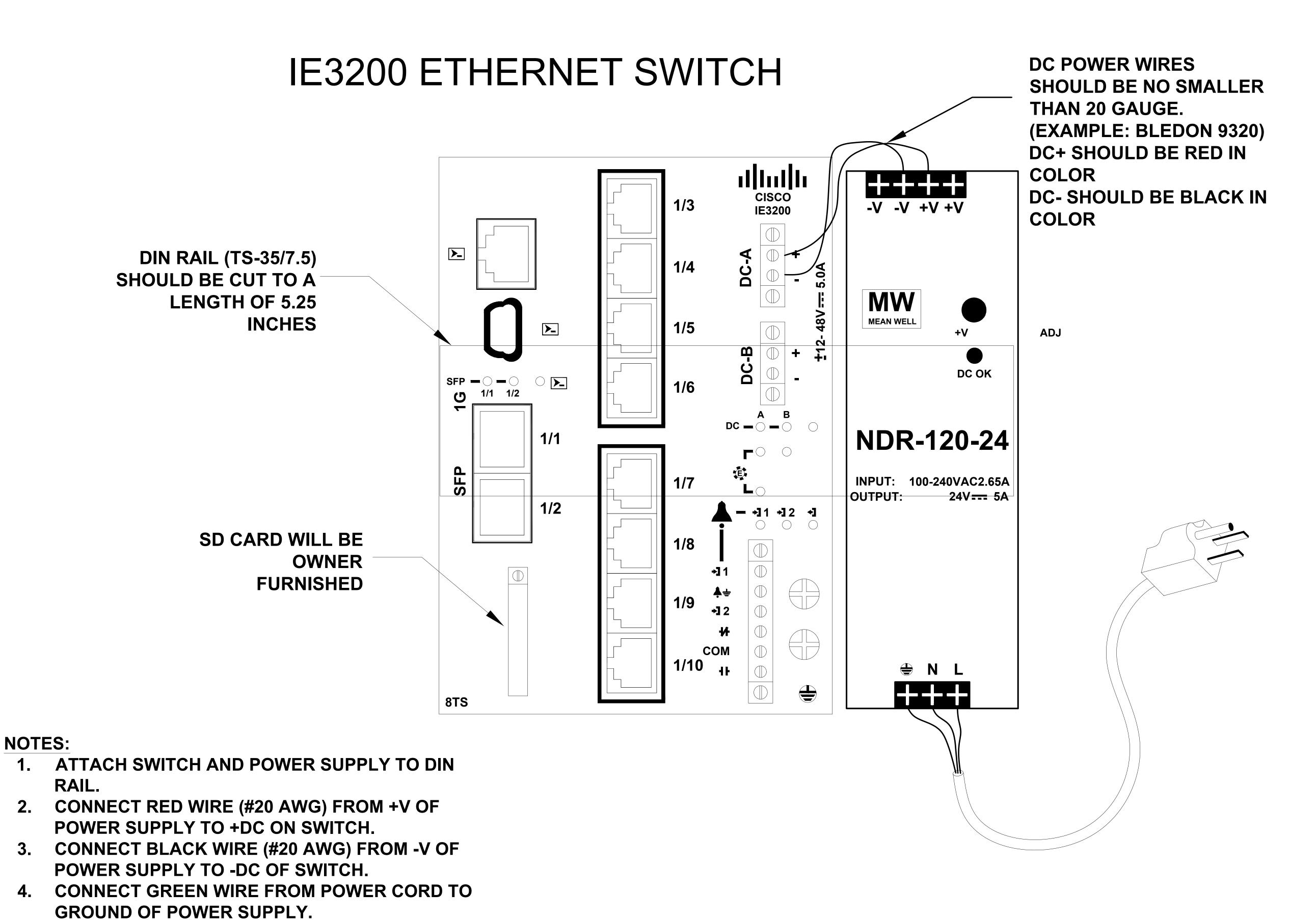
SHEET CR2F

CONNECT WHITE WIRE FROM POWER CORD TO

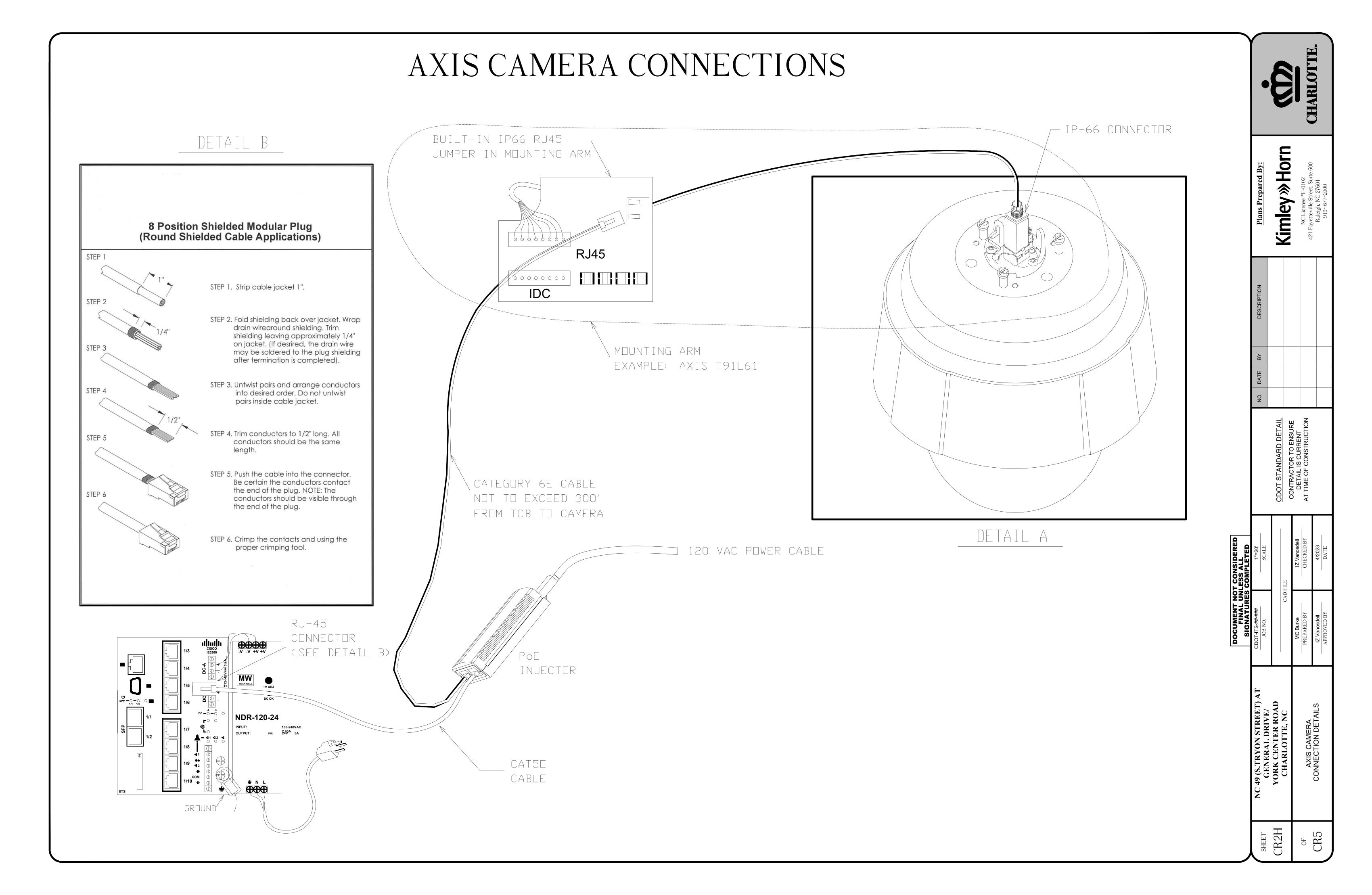
6. CONNECT BLACK WIRE FROM POWER CORD TO

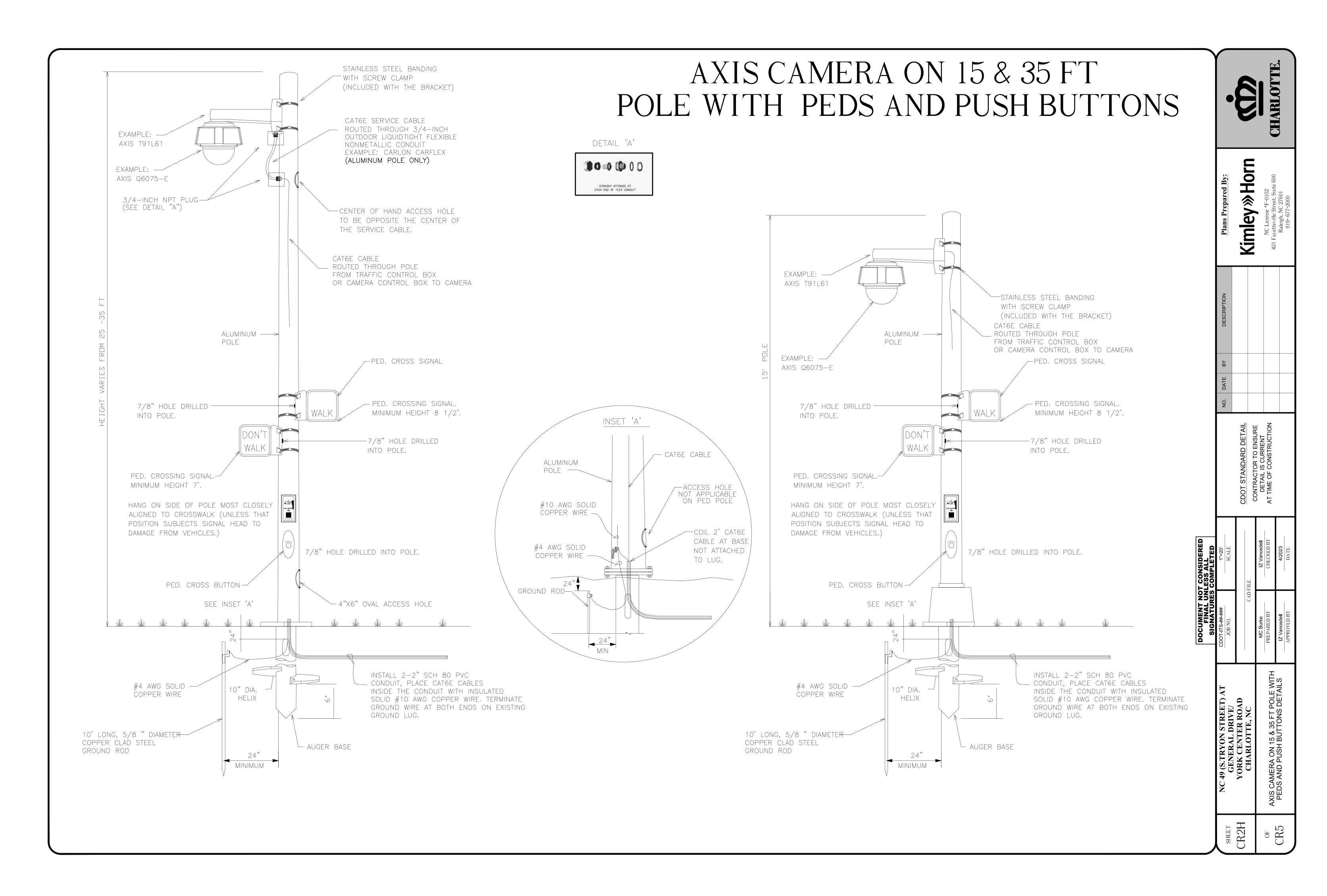
NEUTRAL OF THE POWER SUPPLY.

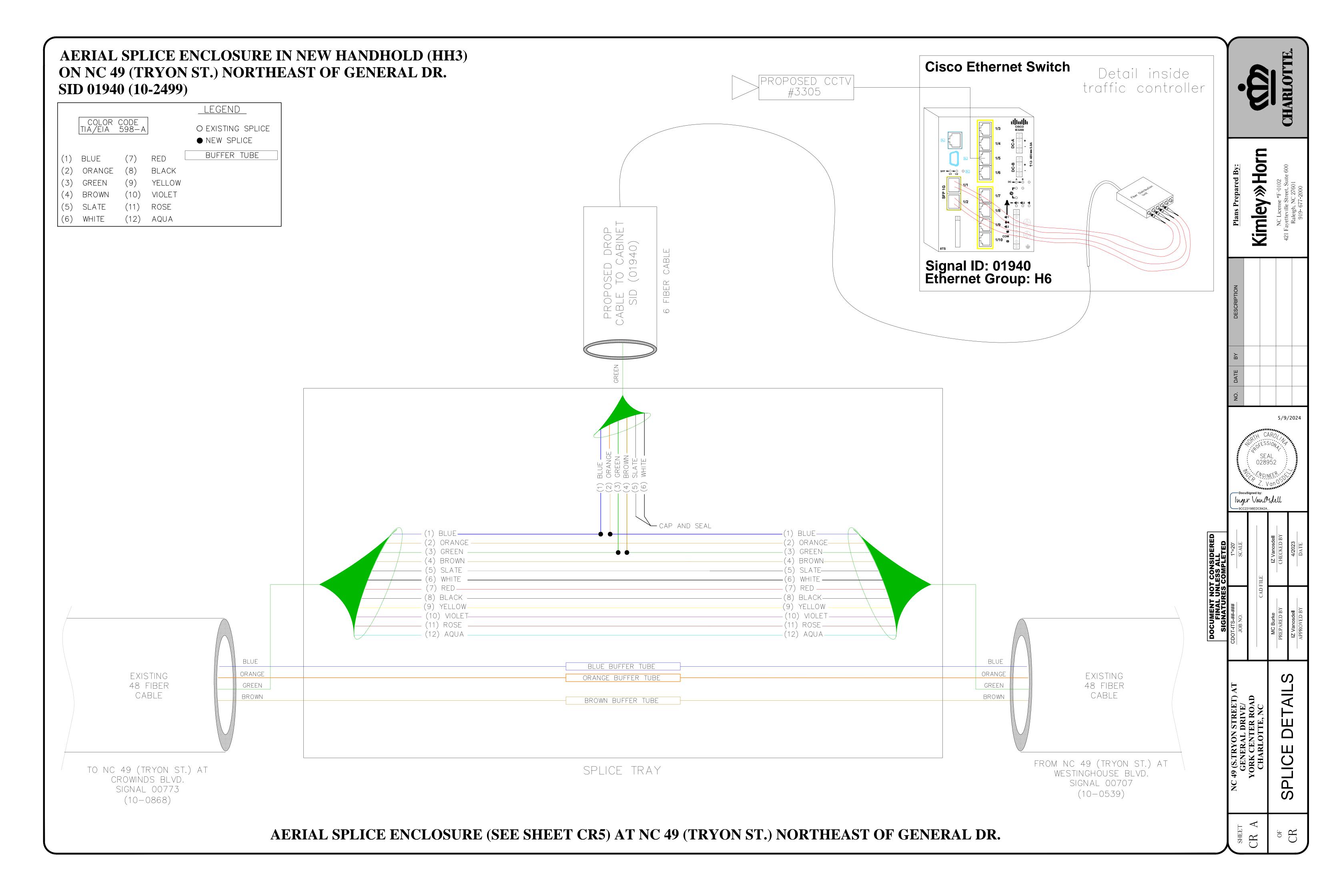
LINE INPUT OF THE POWER SUPPLY.



Kimley » Horn

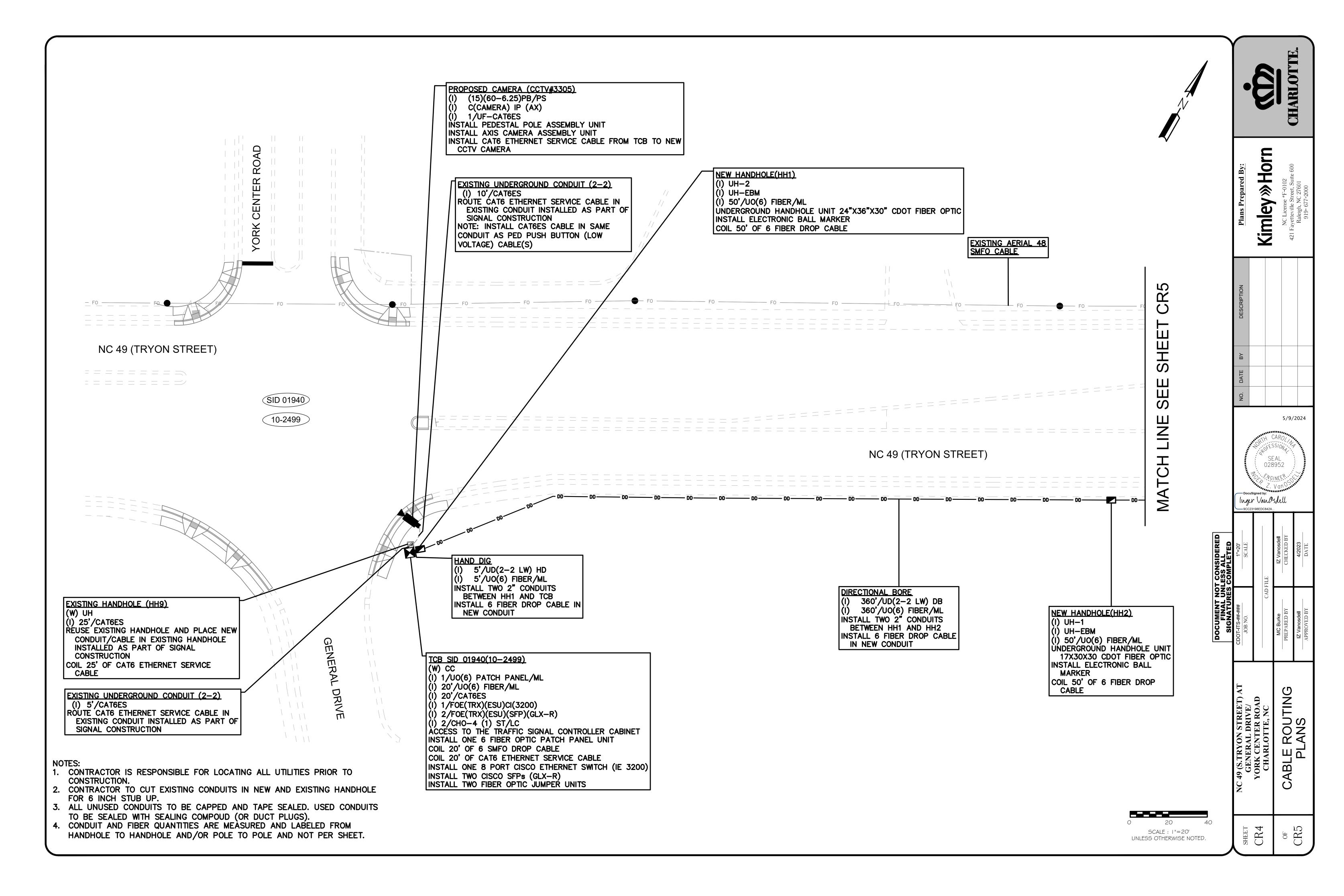


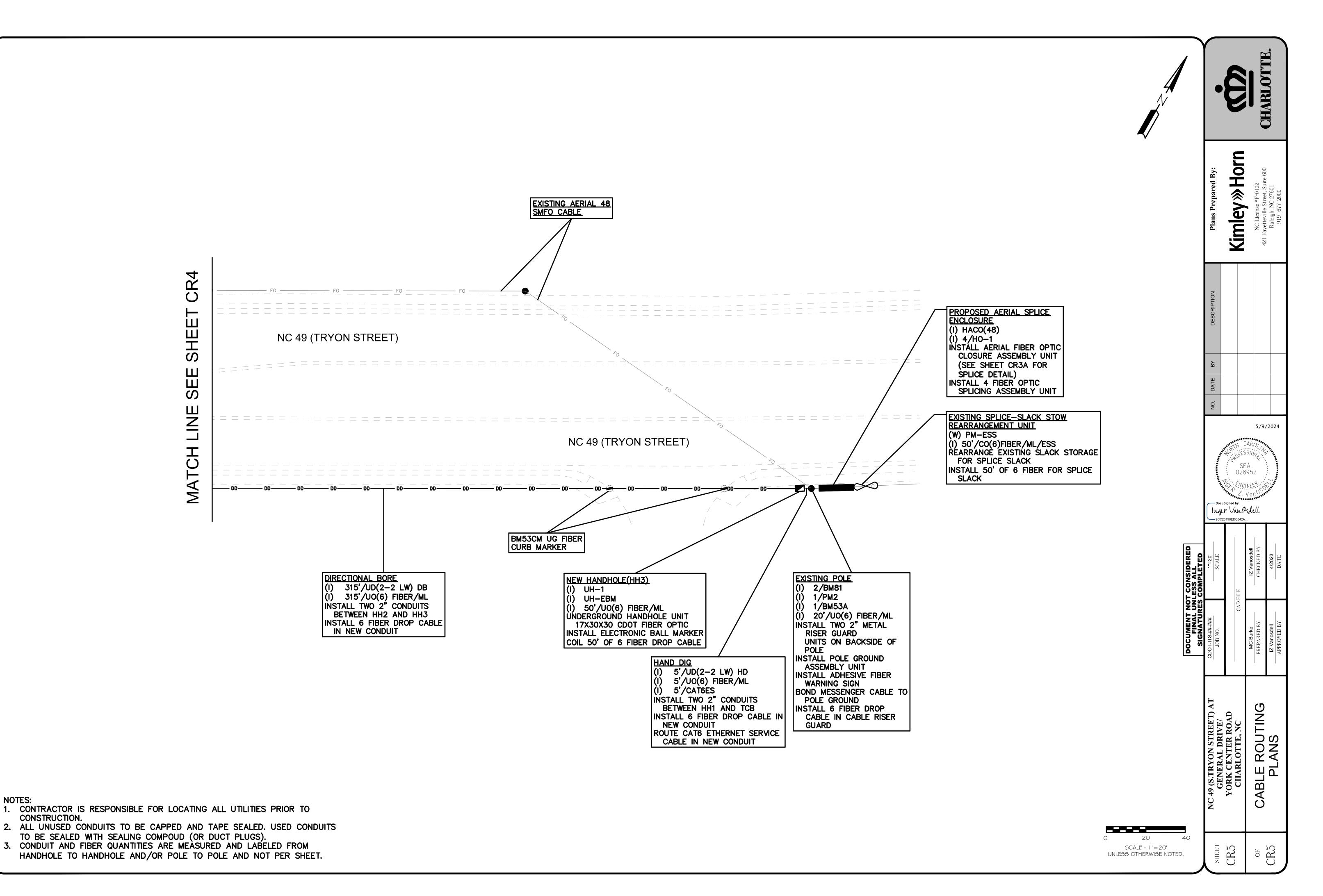




ITEM #	DESCRIPTION		CR4	CR5	TOTAL
(15)(60-6.25)PB/PS	PEDESTAL POLE ASSEMBLY UNIT	EA	1	0	1
BM53A	ADHESIVE FIBER WARNING SIGN ASSEMBLY UNIT	EA	0	1	1
BM53CM	FIBER CURB MARKER ASSEMBLY UNIT	EA	0	2	2
BM71(DB)	ROCK DRILLING ADDER UNIT	LF	0	0	35
BM71(DBSR)	SOLID ROCK DRILLING ADDER UNIT	LF	0	0	35
BM81	CABLE RISER GUARD UNIT	EA	0	2	2
C(CAMERA)IP(AX)	CAMERA ASSEMBLY INSTALLATION UNIT	EA	1	0	1
CHO-4(1)ST/LC	FIBER OPTIC JUMPER ASSEMBLY UNIT	EA	2	0	2
CO(6)FIBER/ML/ESS	FIBER OPTIC CABLE SPLICE-SLACK STOW UNIT	EA	0	50	50
FOE(TRX)(ESU)CI(3200)	ETHERNET SWITCH UNIT/MODULE –CISCO	EA	1	0	1
FOE(TRX)(ESU)(SFP)(GLX-R)	ETHERNET SMALL FORM-FACTOR PLUGGABLE PORT	EA	2	0	2
HACO(48)	AERIAL FIBER OPTIC CLOSURE ASSEMBLY UNIT	EA	0	1	1
HO-1	FIBER OPTIC SPLICING ASSEMBLY UNIT	EA	0	4	4
PM2	POLE GROUND ASSEMBLY UNIT	EA	0	1	1
UD(2-2 LW)HD	UNDERGROUND CONDUIT ASSEMBLY UNIT	LF	5	5	11
UD(2-2 LW)DB	UNDERGROUND CONDUIT ASSEMBLY UNIT	LF	360	315	696
UF-CAT6ES	CATEGORY 6 ETHERNET SERVICE CABLE	EA	1	0	1
UH-1	UNDERGROUND HANDHOLE ASSEMBLY UNIT	EA	1	1	2
UH-2	UNDERGROUND HANDHOLE ASSEMBLY UNIT	EA	1	0	1
UH-EBM	ELECTRONIC BALL MARKER	EA	2	1	3
UO(6)PATCH PANEL/ML	FIBER OPTIC PATCH PANEL UNIT	EA	1	0	1
UO(6)FIBER/ML	UNDERGROUND FIBER OPTIC CABLE STUB UNIT	LF	485	390	902
(W)CC	ACCESS TO THE TRAFFIC SIGNAL CONTROLLER CABINET	EA	1	0	1
(W)UH	PLACING NEW CONDUIT OR CABLE IN EXISTING HANDHOLE UNIT	EA	1	0	1
(W) PM-ESS	EXISTING SLACK STORAGE REARRANGEMENT UNIT	EA	0	1	1

R B CHARLOTTE, NC CHARLOTTE, NC MC Burke CHARLOTTE, NC MC Burke Tiz Vanosdell ARROVED BY DATE TIZ VANOS TIG VANOS TI			FINAL UNLESS ALL SIGNATURES COMPLETED	LESS ALL COMPLETED					
TABULATION SHEET  TABULATION S		NC 49 (S.TRYON STREET) AT	###-##-SII-1000	1"=20'	lu	DATE	DESCRIPTION	Plans Prepared By:	
TABULATION SHEET  TABULATION S	HEE I	GENERAL DRIVE/	JOB NO.	SCALE	ger				•
CHARLOTTE, NC  MC Burke  MC Burke  IZ Vanosdell  IZ Vanosdell  APPROVED BY  TABULATION SHEET  IZ Vanosdell  APPROVED BY  TABULATION SHEET  IZ Vanosdell  APPROVED BY  APPROVED BY  DATE  TABULATION SHEET  TABULATION SHEET  APPROVED BY  DATE  TABULATION SHEET  TABULA	W W	YORK CENTER ROAD			igned				{
MC Burke       IZ Vanosdell       IZ Vanosdell       PREPARED BY       CHECKED BY       NC License #F-0102         TABULATION SHEET       IZ Vanosdell       4/2023       APPROVED BY       APPROVED BY       DATE		CHARLOTTE, NC	CADI	TILE	NGII Z. V by:			KIMIEV ** HOLD	
TABULATION SHEET  IZ Vanosdell APPROVED BY APPROVED BY APPROVED BY APPROVED BY CHECKED BY APPROVED			MC Burke	IZ Vanosdell	vee! /an			•	
CIN OFFE   A/2023	OF		PREPARED BY	CHECKED BY	1/N/4/			NC License #F-0102 421 Favetfeville Street, Suite 600	
DATE	<u></u>		IZ Vanosdell	4/2023				Raleigh, NC 27601	CHARLOTTE
	•		APPROVED BY	DATE	24			919- 677-2000	





# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

# SIGNING PLAN MECKLENBURG COUNTY

LOCATION: DIRECTIONAL CROSSING AT NC 49 AND NEVADA BLVD

PROJECT REFERENCE NO. SIGN-01 HS-2010E Jose G. Martinez **UNLESS ALL SIGNATURES COMPLETED** 

#### 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 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD.	<u>NO</u> .	TITL

904.10

ORIENTATION OF GROUND MOUNTED SIGNS

MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS 904.50

		SUMMARY OF QUANTITIES		
ITEM	NO.	ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000 4072000000 4102000000 4155000000	901 903 904 907	CONTRACTOR FURNISHED, TYPE E SIGN SUPPORTS, 3 LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL	78 200 9 5	S.F. L.F. EA. EA.

## PROJECT NOTES

DISPOSAL OF SIGN SYSTEM, U-CHANNEL

## **INDEX**

SHEET NO.

DESCRIPTION

SIGN-1

TITLE SHEET/ E SIGNS

SIGN-2

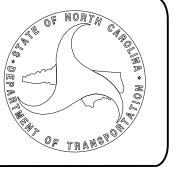
SIGNING PLAN SHEETS

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

K. L. JORDAN

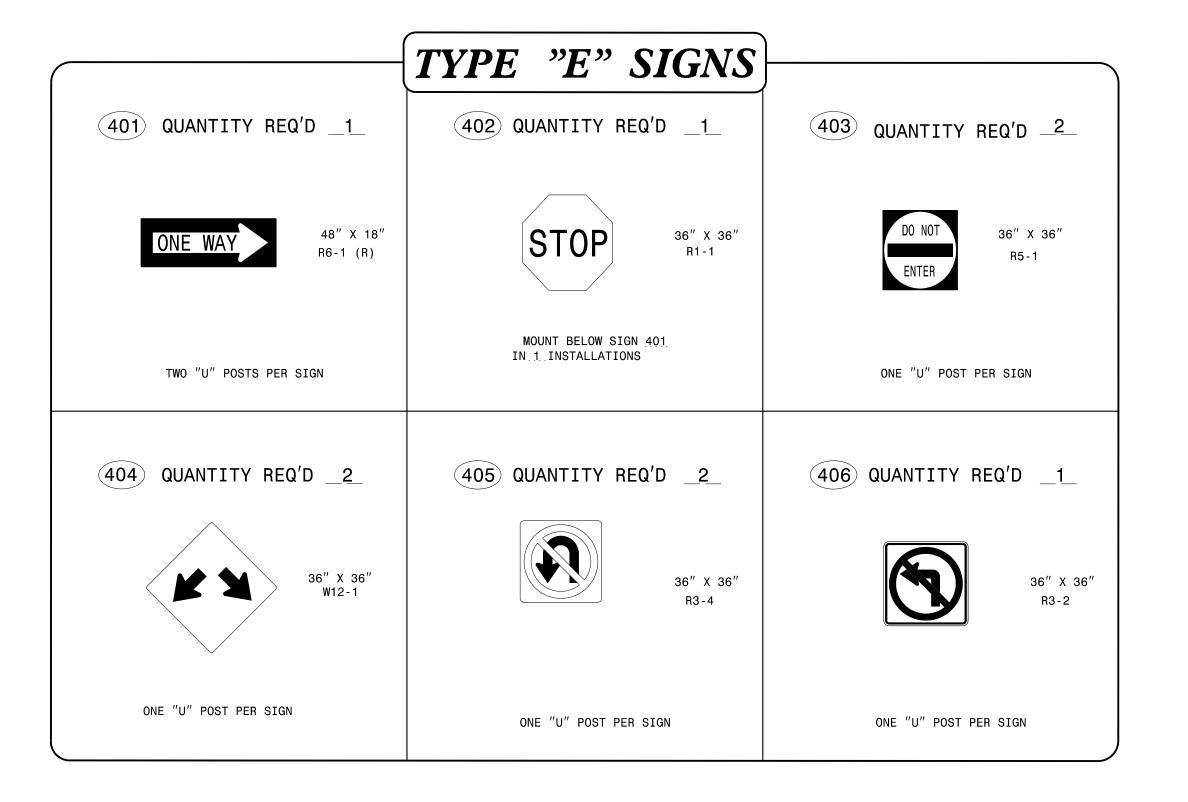
SIGNING & DELINEATION REGIONAL ENGINEER

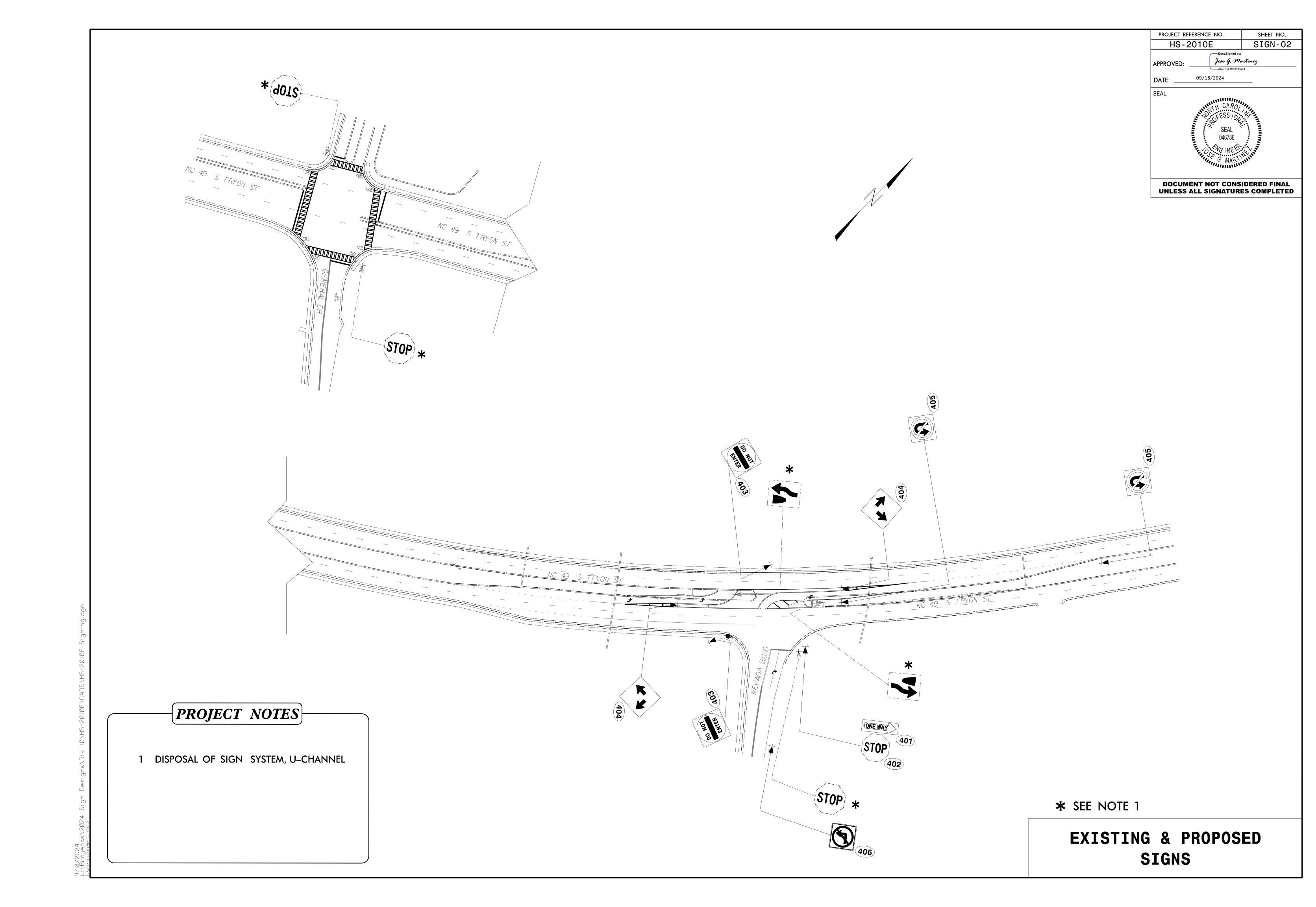
J. G. MARTINEZ, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER



### GENERAL NOTES

- . SIGNS FURNISHED BY CONTRACTOR
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL  $^{\prime}\text{E}^{\prime}$  AND  $^{\prime}\text{F}^{\prime}$  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.





PROJECT NO. SHEET NO.

49291.3.5 TCP-I

F.A. PROJECT NO. 0049040

ROADWAY DESIGN ENGINEER

02/24/25/35

SEAL
042673

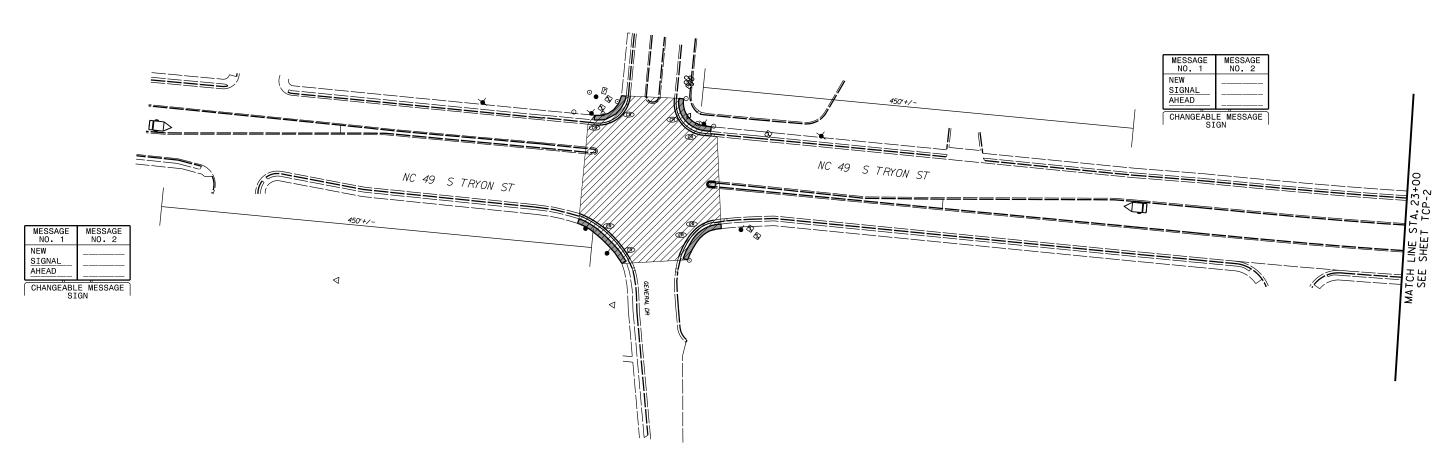
TOWNSOLONE

CHANGEABLE MESSAGE SIGN

Phase I of Construction

NOTE: COMPLETE ALL WORK FOR GENERAL DRIVE INTERSECTION BEFORE WORKING ON NAVADA BLVD.

INSTALL ALL SIGNS PERTAINING TO HATCHED AREA DURING THIS PHASE SEE SHEETS SIGN-OI - SIGN-O2



#### PHASE I

SIGNAL INSTALLATION AT THE INTERSECTION OF NC 49/S.TRYON ST.AND GENERAL DR. DIRECTIONAL CROSSOVER ON NC 49/S.TRYON ST.AT NEVADA BLVD.(SR-1347)

SCALE	/*=50°	
DATE	8-2024	
DWG. BY	TBL	
DESIGN BY	TBL	
APPROVED	JDH	

0 1 510 4	REVIS	SIONS
OF TRANSPORT		

