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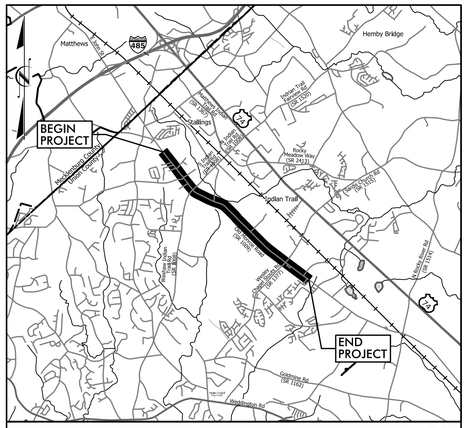
09/08/99

TIP PROJECT: U-4714B

CONTRACT: DJ00488

ROW PLANS
9/21/2023

See Sheet 1A For Index of Sheets
See Sheet 1B For Standard Symbology Sheet



VICINITY MAP N.T.S.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UNION COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4714B	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
39078.1.6	STPDA-1009(18)	PE
39078.2.6		R /W & UTIL

LOCATION: *SR 1009 (OLD MONROE ROAD) FROM WEST OF MORNINGSIDE MEADOW LANE TO EAST OF SR 1377 (WESLEY CHAPEL-STOUTS RD)*

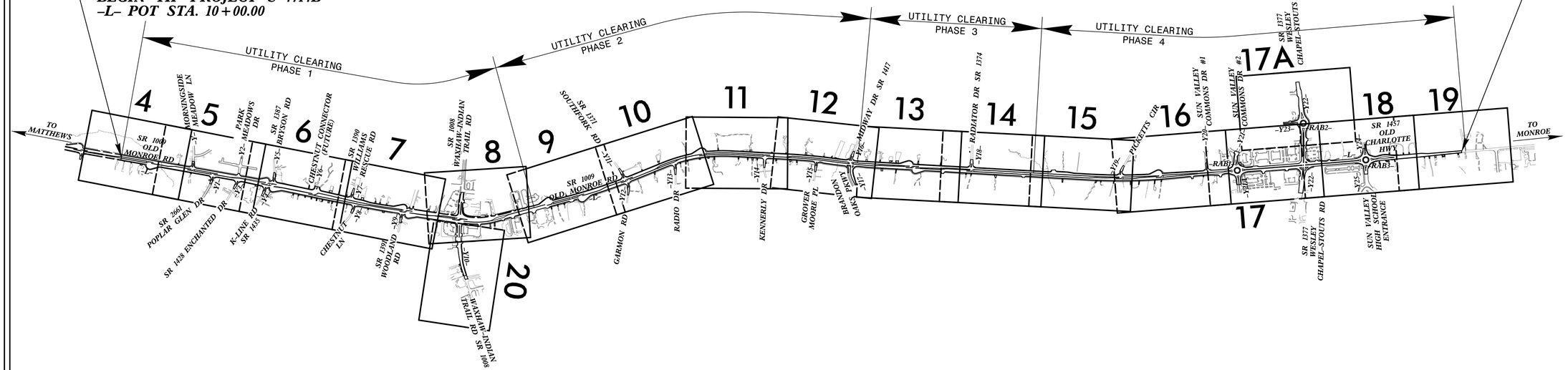
TYPE OF WORK: *CLEARING AND GRUBBING, EROSION CONTROL*

EARLY CLEARING & GRUBBING PLANS

NAD 83
NA 2017

END TIP PROJECT U-4714A
-L- POT STA. 193+50.61 =
BEGIN TIP PROJECT U-4714B
-L- POT STA. 10+00.00

END TIP PROJECT U-4714B
-L- POT STA. 210+30.00



THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF STALLINGS AND INDIAN TRAIL.

THERE IS NO CONTROL OF ACCESS ON THIS PROJECT EXCEPT U-TURN BULBS HAVE FULL CONTROL OF ACCESS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

PLANS: 50 25 0 50 100
PROFILE (HORIZONTAL): 50 25 0 50 100
PROFILE (VERTICAL): 10 5 0 10 20

DESIGN DATA

ADT 2021 = 36,140
ADT 2041 = 43,160
K = 9%
D = 55%
T = 6%*
V = 50 MPH
* (TTST=2%+DUAL 4%)
FUNC CLASS = MINOR ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-4714B = 3.795 MILES

TOTAL LENGTH OF TIP PROJECT U-4714B = 3.795 MILES

NCDOT CONTACT: ALEX FOSTER, PE
PROJECT MANAGER

PLANS PREPARED FOR THE NCDOT BY:

stv
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MAY 28, 2021

LETTING DATE: OCTOBER 18, 2023

SEAN C. STEPHENS, PE
PROJECT ENGINEER

ASHLEY BOUCHARD, PE
PROJECT DESIGNER

HYDRAULICS ENGINEERS

SIGNATURE: ***P.E.***

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 043891 ENGINEER SEAN C. STEPHENS

DocuSigned by: Sean C. Stephens 9/21/2023

SIGNATURE: ***P.E.***

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

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8/17/99

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	1A

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043891 SEAN C. STEPHENS
9/21/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS
1B	CONVENTIONAL SYMBOLS
1C-1 THRU 1C-27	SURVEY CONTROL SHEETS
RW01 THRU RW020	RIGHT OF WAY CONTROL PLANS
3P-1 THRU 3P-2	PARCEL INDEX SHEETS
4 THRU 20	AREAS OF CLEARING
EC-1 THRU EC-27	EROSION CONTROL PLANS
TMP-1 THRU TMP-1A	TRAFFIC CONTROL PLANS

GENERAL NOTES

GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III. WHERE PERMANENT EASEMENT EXISTS BEYOND THE LIMITS OF METHOD III, CLEARING WILL EXTEND TO THE OUTERMOST LIMITS OF PERMANENT EASEMENT AND PERFORMED AS ESTABLISHED ON THE PLANS.

STANDARD DRAWINGS

2018 ROADWAY ENGLISH STANDARD DRAWINGS EFF. 01-16-2018
REV.

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

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method III

9/21/2023
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12/2/2016

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	1B

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

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

BOUNDARIES AND PROPERTY:

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

BUILDINGS AND OTHER CULTURE:

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

HYDROLOGY:

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

RAILROADS:

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

RIGHT OF WAY & PROJECT CONTROL:

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

ROADS AND RELATED FEATURES:

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

VEGETATION:

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

EXISTING STRUCTURES:

MAJOR:

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

MINOR:

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

UTILITIES:

POWER:

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

TELEPHONE:

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

WATER:

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

TV:

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

GAS:

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

SANITARY SEWER:

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

MISCELLANEOUS:

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

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PROJ. REFERENCE NO.	SHEET NO.
U-4714B	3P-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	4	GUYNELLE B BROOME HEIRS
2	4,5	RICHARD W. BROOME & SADIE C
3	4	317 PROPERTIES, LLC
4	4	POLE HELENA B.
5	4	DANNY F. DUNN AND WIFE, JENNIFER J DUNN
6	4	JAMES HAMILTON TURNER, JR
7	4	ANTONIOS K. PANOU
8	4,5	ANTONIOS K. PANOU
9	5	MORNINGSIDE MEADOWS HOMEOWNERS ASSOCIATION, INC
10	5	CHRISTINE S GOODSON & DAVIS A GOODSON
11	5	KIMBERLY A ELSASSER
12	5	MORNINGSIDE MEADOWS HOMEOWNERS ASSOCIATION, INC
13	5,6	PARK MEADOWS DEVELOPMENT, LLC
14	5,6	PARK MEADOWS DEVELOPMENT, LLC
15	5	RICHARD P BROOME
16	5	2015A PROPERTY OWNER, LLC
17	5	GERALD ANDERSON AND BELINDA ANDERSON
18	5	SHAWN D. STEAGALL AND WIFE MELINDA C. STEAGALL
19	5	TAMARA J. HARLE
20	5,6	MANTIS BILL AND ELISAVET H.
21	6	CODY RAY ANDERSEN & SARAH C WADE
22	6	CODY RAY ANDERSEN & SARAH C WADE
23	6	NELSON O'NEAL & WIFE ANNA
24	6	NELSON O'NEAL & WIFE ANNA
25	6	JOHN KENNETH HINSON
26	6	JAMES EVERETTE HINSON & SUSAN H. HINSON
27	6	ELIZABETH QUILES & RENE QUILES
28	6	WADE BERDETTE WILSON & WIFE JUDY H. WILSON
29	6	PHONE CARDS R US US, INC
30	6	JERRY C. LANEY HEIRS
31	6,7	LINDA W. STINES
32	6	MANTIS BILL AND ELISAVET H.
33	6	WAYNE PHILLIP COHEN AND WIFE WEND E. COHEN
34	6	WINDEE SANDERSON
35	6	JACALYN PRIVETTE
36	6	TOM GIANNIBAS
37	6	TOM GIANNIBAS AND WIFE HRISTOULA G. GIANNIBAS
38	6	MEGHAN HELMS
39	6	TONY A. MILLER AND MARY ALICE
40	6	ROBERT GARY LOVETTE AND DIANNA K.
41	6	DALE S. WALKER
42	6	NO NAME SHOWN ON DRAWING
43	6,7	TOWN OF INDIAN TRAIL
44	7	CAROLINAS UNION HEALTHCARE, INC.
45	7	VIRGINIA C. FOARD, TRUSTEE
46	7	VIRGINIA C. FOARD, TRUSTEE
47	7	DAWN MACOMB SCHNEIDER & RANDY SCHNEIDER
48	7	DONNA NELSON HAMMOND
49	7	MALEK MACARON
50	7	JAMES T. & ANITA WEBB
51	7	JERRY EDMOND HARTIS & DOROTHY K. HARTIS
52	7	KENNETH W. STILWELL
53	7,8	ESTHER G. NARRON
54	7	TOWN OF INDIAN TRAIL
55	7	ANNE JOHNSON TURBEVILLE & HUSBAND BILL
56	7	LARRY J. VICKERY
57	7	RONDO ELIZONDO AND WIFE CHRISTY B ELIZONDO
58	7	FONDA HINSON MAYNOR & JERRY MAYNOR
59	7	RICHARD H. TOMBERLIN
60	7,8	ALPHA OMEGA LAND DEVELOPMENT, INC.

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
61	8	GEORGE ANTHANS AND WIFE DENISE P. ANTHANS
62	8	GEORGE ANTHANS AND WIFE DENISE P. ANTHANS
63	8	SUBHASYS ESTATES, LLC
64	8	HENDLEY-BREWER PROPERTIES
65	8	GREGORY PLAZA, LLC
66	8	INDIAN TRAIL PROPERTIES
67	8,9	WILLIAMS HARRIS PROPERTIES, LLC
68	8	ALPHA OMEGA LAND DEVELOPMENT, INC.
69	8	RUSHING CONSTRUCTION
70	8,20	INDIAN TRAIL PLAZA, LLC
71	8	J.J. CLARK, JR., STEPHEN G. SIMMS, & ANTHONY A WENDELL
72	8	TWO COUSINS PROPERTIES, LLC
73	8	CAH HOLDINGS, LLC
74	8	CAH HOLDINGS, LLC
75	8	BOULEVARD EAST, LLC
76	8,9	FAMILY TYME, LLC
77	9	UNION MEMORIAL HOSPITAL, INC.
78	9	SANDRA E. PETERSON & WENDY D. EDWARDS
79	9	SHARON PRICE & JOYCE PRICE
80	9	LOT 2 WALLACE CROWELL
81	9,10	LOT 1 BILLIE P. CROWELL
82	9	BO-TY, LLC
83	9	BO-TY, LLC
84	9	JORDAN'S PLACE, LLC
85	9	JORDAN'S PLACE, LLC
86	9	TAE KYU PARK & OH SEON PARK
87	9	STALLINGS VOLUNTEER FIRE DEPARTMENT, INC.
88	9	ROGER MAC HELMS
89	9	BARBARA HELMS
90	9,10	CREEKSIDE BIBLE CHURCH
91	10	KILLOUGH-ROHLEDER HOLDING CO., LLC
92	10	RAY B. KILLOUGH
93	10	DENISE KILLOUGH WINDHAM & BRIAN NEAL WINDHAM
94	10	RALPH KILLOUGH
95	10,11	RAY BERNARD KILLOUGH
96	10	WAXHAW VENTURES, LLC
97	10	KENNETH GANTZ
98	10	LOT 4 ROBERT E. JOHNSON & SALLY H. JOHNSON
99	10	LOT 3 JERRY B. HUNEYCUTT
100	10,11	LOT 2 AKN HOLDINGS, LLC
101	11	RAY BERNARD KILLOUGH & JUDITH G. KILLOUGH
102	11	NO NAME SHOWN ON DRAWING
103	11,12	MILO RUFUS KILLOUGH AND WIFE SALLY JORDAN KILLOUGH
104	11,12	LEE A. HARGETT
105	11	LOT 1 AKN HOLDINGS, LLC
106	11	S. MICHELLE BRATTAN
107	11	CHERYL BLANCHARD
108	11	WOODROW L. BLANCHARD
109	11	NO NAME SHOWN ON DRAWING
110	11	LOT 1 FLOYD MRUGALSKI, JOYCE MRUGALSKI, & JEFFERY MRUGALSKI
111	11	ROBERT STEWART MARSH JR.
112	11,12	ALAN N. KINGSMORE & BRENDA B. KINGSMORE
113	12	LEE A. HARGETT
114	12	JOHN V. & JUDY M. MCHAN
115	12	NO INFOR FOUND FOR MARIE DEESE HEIRS OR FOR ARTHUR F. DEESE
116	12	INTERNATIONAL CHURCH OF THE FOUR SQUARE GOSPEL
117	12	JAMES ARTHUR BRADLEY & MARY
118	12	ANTHONY ISENHOUR & SARAH ISENHOUR
119	12	BESSIE MORRISON
120	12	LOT 45 JOHN WASYLUK & NOEMIC WASYLUK

PROJ. REFERENCE NO.	SHEET NO.
U-4714B	3P-2

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
121	12	LOT 46 JAMES HUNTLEY, JR
122	12	LOT 44 WILLIAM F. HERRON
123	12	BRANDON OAKS COMMUNITY ASSOCIATION
124	12	BRANDON OAKS COMMUNITY ASSOCIATION
125	12,13	BRANDON OAKS COMMUNITY ASSOCIATION
126	12,13	JAMES ARTHUR BRADLEY & MARY
127	13	NO DEED OR PLAT FOUND FOR PAUL HELMS
128	13	DAVID GEORGE
129	13	GRACE BAPTIST CHURCH
130	13	GRACE BAPTIST CHURCH
131	13	BILLY RAY & DORIS BOYD
132	13,14	BILLY RAY & DORIS BOYD
133	13	NO NAME SHOWN ON DRAWING
134	13	WALTON C. JOHNSON & HESTA T. JOHNSON
135	13	DAVID M. PRIVETTE
136	13	TIMOTHY R. FUNDERBURK, HOWARD D. FUNDERBURK, & ROBERT K. FUNDERBURK
137	13,14	GARY M. FUNDERBURK
138	13,14	APS INDIAN TRAIL, LLC
139	14	2 GEN HOLDINGS, LLC
140	14	KIMBERLY ANN OCCHIPINTI & FRANCESCO MICHAEL OCCHIPINTI
141	14	KVP HOLDINGS, LLC
142	15	2 GEN HOLDINGS, LLC
143	15	2 GEN HOLDINGS, LLC
144	15	NATURE'S CALLING, LLC
145	15,16	STANLEY REID EFIRD & DOROTHY JEAN EFIRD
146	15	KVP HOLDINGS, LLC
147	15	KVP HOLDINGS, LLC
148	15	KVP HOLDINGS, LLC
149	15	RANDALL K. SMITH
150	15	ROBERT DOUGLAS PRESSLEY GRANTOR & FREDERICK S. MCGEE GRANTEE
151	15,16	ROBERT DOUGLAS PRESSLEY
152	16	STANLEY REID EFIRD & DOROTHY JEAN EFIRD
153	16	WILLIAM J. MCCALLUM, III
154	16	WILLIAM J. MCCALLUM, III
155	16	WILLIAM J. MCCALLUM, III
156	16	SUN VALLEY COMMONS, LLC
157	16	SUN VALLEY COMMONS, LLC
158	16,17	MP INDIAN TRAIL NC, LLC
159	16	FIRST TRACT LINDA OGRODNICK
160	16	WILLIAM CLEGG WOOTEN
161	16	JUDY J. WOOTEN
162	16	ATHANASIOS P. KAKOURAS
163	16,17	MUSTANG PARK, LLC
164	16,17	SUN VALLEY COMMONS, LLC
165	17	JANA COLLINS
166	17	INDIAN TRAIL RETAIL CENTER, LLC
167	17	SUN VALLEY INVESTMENTS, LLC
168	17	RX HORIZON REALTY, LLC
169	17,18	NIKSONS, LLC
170	17	ARC BJITLNCOO1, LLC
171	17	THE WALLACE INDIAN LAND, LLC
172	17	HENDLEY-BREWER PROPERTIES
173	17	UNION COUNTY BOARD OF EDUCATION
174	18	ANN NIKOPOULOUS
175	18	THE SHOPPES AT HANFIELD VILLAGE, LLC.
176	18	THOMAS JACKSON HANLEY, III IRREVOCABLE TRUST
177	18	THE SHOPPES AT HANFIELD VILLAGE, LLC.
178	18	NO NAME SHOWN ON DRAWING
179	18	TOMMIE GAY & RUTH D. GAY
180	18	UNION COUNTY BOARD OF EDUCATION

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
181	18	CATAMOUNTAINEER INVESTMENTS, LLC
182	18	STEVEN MICHAEL SMITH
183	18	DAVID E. RUSSELL & DORRIS A. RUSSELL
184	18	DAVID E. RUSSELL & DORRIS A. RUSSELL
185	18,19	ERVIN L. PRESSLEY
186	18,19	SANDRA JONES BECK
187	19	SANDRA JONES BECK A ONE-HALF UNDIVIDED INTEREST C/O HAZEL C. ROBERTS
188	19	STAMBOLITIS JOHN K. & WIFE STEPHANIE
189	19	NED D. KNIGHT AND STELLA S. KNIGHT
190	19	NED D. KNIGHT AND STELLA S. KNIGHT
191	19	NED D. KNIGHT AND STELLA S. KNIGHT
192	19	JAMELA AINTRAZI
193	19	DEBORAH AINTRAZI
194	20,8	UNION COUNTY PUBLIC WORKS
195	20	TRACT 1 CUBE HHF LIMITED PARTNERSHIP
196	20	TAE KYU PARK AND SPOUSE OH SEON PARK AND MEE AE PARK
197	20	INDIAN TRAIL PLAZA, LLC
198	20	ALPHA OMEGA LAND DEVELOPMENT, INC.
199	20	ALPHA OMEGA LAND DEVELOPMENT, INC.
200	20	ROBERT CHARLES MULLIS
201	20	MICHAEL O. RADESKY AND WIFE PAMELA G. RADESKY
202	12	LOT 43 NATHAN J. GREENE
203	12	LOT 42 NEW PATH PROPERTIES, INC.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

SHENITA DEBERRY AND DANIEL DEBERRY
DB 3836 PG 464
PB A PG 50B
LOT 16

DAVID AARON FREED AND WIFE STEPHANIE FREED
DB 3744 PG 322
PB A PG 50B
LOT 15

FREDERICK M. BUNICK AND WIFE PATRICIA C. GABRIEL-BURNICK
DB 1639 PG 0293
PB A PG 50B
LOT 14

ERIK K ROWLETT AND WIFE ISABEL RUEDA ABAD
DB 6005 PG 222

SIKES VAN HENERY AND LYNETTE G
PB A PG 50B
LOT 10

LUKENS JUDY E
DB 6706 PG 257
PB A PG 50B
LOT 11

RUSSELL DANNY K AND VIRGINIA
DB N/F PG N/F
PB A PG 50B
LOT 12

PHIFER BRENDA E
DB N/F PG N/F
PB A PG 50B
LOT 13

ROBERT M. SULLIVAN AND WIFE SHARON L. SULLIVAN
DB 1653 PG 327

UTILITY CLEARING
PHASE 1

MATCHLINE -L- STA 17+00 (SHEET 5)

1 STALLINGS POINTE LLC
DB 7094 PG 100

2 MARK DAVID BROOME
DB 7235 PG 204

SAFETY FENCE

DUE — PUE — E — F — JS — GR — SS — SD — FES — EXISTING R/W — 10' DRAINAGE EASEMENT

SR 1009 OLD MONROE ROAD 27' BST

TH 1
ELV. 733.78
STATION
10+68.68
45.12
S 38°12'43.5"E

TIMOTHY L. SHERIN
DB 3025 PG 664
PB 4 PG 189
LOT 1

TIMOTHY L. SHERIN
DB 3025 PG 664
PB 4 PG 189
LOT 2

TIMOTHY L. SHERIN
DB 3025 PG 664
PB 4 PG 189
LOT 3

ALEXANDER J. POLITES
DB 6781 PG 554
PB 7 PG 37A
LOT 6

TIMOTHY L. SHERIN AND WIFE, DAWN M. SHERIN
DB 0916 PG 792
PB 7 PG 37A
LOT 5

DAWN M. SHERIN
DB 4555 PG 131
PB 7 PG 37A
LOT 4

317 PROPERTIES, LLC
DB 5887 PG 181
PB 7 PG 37A
LOT 3

4 POLE HELENA B.
DB N/F PG N/F
PB 7 PG 37A
LOT 2

5 DANNY F. DUNN AND WIFE, JENNIFER J DUNN
DB 4142 PG 876
PB 7 PG 37A
LOT 1

6 JAMES HAMILTON TURNER, JR
DB 3524 PG 722

7 ANTONIOS K. PANOU
DB 9111 PG 697

8 DEPARTMENT OF TRANSPORTATOIN
DB 8501 PG 0722

8Z

DO NOT DISTURB SIGN

BRUCE R. MARX AND SPOUSE, LINDA L MARX
DB 5944 PG 570

DAMON S. BUTCHER AND WIFE, TIFFANY M. BUTCHER
DB 1349 PG 699

EDWARD R. BENVENUTI, JR. & WIFE DIANA K. BENVENUTI
DB 5164 PG 730

WILLIAM LARRY ALEXANDER
DB 3771 PG 446

LINA M. ALEXANDER
DB 1169 PG 823

BENJAMIN A. GUTHRIE AND SPOUSE, KATHRYN E. GUTHRIE
DB 6767 PG 593

HAZEL FOSTER
DB N/F PG N/F

JEAN ALEXANDER
DB 6611 PG 385
PB 4 PG 189
LOT 1

JEAN ALEXANDER
DB 6611 PG 385
PB 4 PG 189
LOT 20

JEAN ALEXANDER
DB 6611 PG 385
PB 4 PG 189
LOT 18

HOMEWOOD WAY 18' BST

VZ-HOPE

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 17+00 (SHEET 4)

MATCHLINE -L- STA 29+00 (SHEET 6)

MAXIMILLIAN CHESTER
QUENTIN VUURMANS
DB 5117 PG 448
PB F PG 844

2014-1IH BORROWER, LP
DB 6236 PG 590
PB F PG 844
(EXHIBIT A-121)

JOHNATHAN M WILSON
JACQUELINE W WILSON
DB 1583 PG 535
PB F PG 844

JEFFREY A ALRED
DB 3527 PG 548
PB F PG 844

JACEK RUDZIEWICZ
DANKA RUDZIEWICZ
DB 3792 PG 326
PB F PG 844

DAVID L RAY
SUSAN A RAY
DB 1925 PG 671
PB F PG 844

MARK DAVID BROOME
DB 7235 PG 204

MORNINGSIDE MEADOWS
HOMEOWNERS ASSOCIATION, INC
DB 1414 PG 136

CHRISTINE S GOODSON
DAVIS A GOODSON
DB 3187 PG 441
PB F PG 844

KORRY L HUMPHREY
DB 6018 PG 858
PB F PG 844

SEAN ERIC WILLIAMS
MALIA WILLIAMS
DB 3763 PG 122
PB F PG 844

KIMBERLY A ELSASSER
DB 3681PG 307
PB F PG 844

MORNINGSIDE
MEADOWS HOMEOWNERS
ASSOCIATION, INC
DB 1414 PG 136
PB F PG 844
COS

EDNA MAY BROOME
DB 6788 PG 279

NVR INC
DB 7133 PG 718

JORNAN JOHNSON
DB 7105 PG 1

PARK MEADOWS DEVELOPMENT, LLC
DB 6788 PG 279
PB F PG 433

PARK MEADOWS DEVELOPMENT, LLC
DB N/F PG N/F

DEPARTMENT OF
TRANSPORTATION
DB 8501PG 0722

BRUCE R. MARX
AND SPOUSE, LINDA L MARX
DB 5944 PG 570

DAMON S. BUTCHER
AND WIFE, TIFFANY M. BUTCHER
DB 1349 PG 699

EDWARD R. BENVENUTI, JR.
& WIFE DIANA K. BENVENUTI
DB 5164 PG 730

RICHARD P. BROOME

2015A PROPERTY
OWNER LLC
DB 6384 PG 217

ERIC W. GARTON
AND WIFE
TARA A. GARTON
DB 4384 PG 168

FULCRUM PROPERTY
MANAGEMENT, LLC
DB 4172 PG 275

TODD SHANE LAMBERT
DB 4383 PG 049

CLAYTOM A. HAILE AND
WIFE MELANIE S. HAILE
DB 748 PG 242

GERALD ANDERSON
AND BELINDA ANDERSON
DB 4862 PG 513

SHAWN D. STEAGALL
AND WIFE
MELINDA C.STEAGALL
DB 6262 PG 577

JOHN H. GRAY
DB 6633 PG 613

TAYLOR ARMEN WORTH
DB N/F PG N/F

HUNT FREDRICK G.
AND WIFE CINDI S
DB N/F PG N/F

TAMARA J. HARLE
DB 5228 PG 034

MANTIS BILL
AND ELISAVET H
DB N/F PG N/F

MARK O REA
DB N/F PG N/F

DANIEL R. HANKINS
AND TABITHA N. HANKINS
DB 5654 PG 477

POT Sta. 10+00.00

-L- POT Sta. 23+81.89 =
-Y1- POT Sta. 10+00.00

-L- POT Sta. 20+49.21 =
-Y2- POT Sta. 12+00.00
-Y3- POC Sta. 10+00.00

-L- POT Sta. 20+68.26 =
-Y- POT Sta. 12+00.00

EC Sta. 27+84.31

EC Sta. 11+18.35

PT Sta. 11+42.00

PT Sta. 12+35.50

POT Sta. 13+15.00

POT Sta. 13+70.00

S 38°12'43.51" E

S 58°08'31.16" W

S 17°44'0.65" W

S 5°51'23.22" W

S 7°25'2.28" W

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -L- STA 29+00 (SHEET 5)

MATCHLINE -L- STA 43+00 (SHEET 7)

NAD 83/NA 2011

PARK MEADOWS DEVELOPMENT, LLC
DB 7194 PG 280

NELSON O'NEAL & WIFE ANNA
DB 3115 PG 568
PB 4 PG 103

MV COMMERCIAL 3901, LLC
DB 7206 PG 880
PB 4 PG 103

JOHN KENNETH HINSON
DB N/F PG N/F

JAMES EVERETTE HINSON
SUSAN H HINSON
DB 4186 PG 815

ELIZABETH QUILES
RENE QUILES
DB 5759 PG 740

WADE BERDETTE WILSON
& WIFE JUDY H WILSON
DB 1138 PG 109

PHONE CARDS R US, INC.
DB 4700 PG 396

JERRY C LANEY HEIRS
DB 183 PG 76

LINDA W STINES
DB 155 PG 369

DONNA BOHNSON
DB 7105 PG

SYED ADNAN & ASHA MOHAMMED
DB 7104 PG 11

MAHESWARA SURAPUNENI
DB 7101 PG 294

MIGUEL & CABRERA ROMAN
DB 7109 PG 110

LARRY & ELAINE HAYES
DB 7111 PG 427

LIQUID DEVELOPMENT, LLC
DB 7194 PG 288
PC F PG 88

PARK MEADOWS DEVELOPMENT, LLC
DB 6788 PG 279
PB F PG 433

MANTIS BILL
AND ELISAVET H.
DB N/F PG N/F

WAYNE PHILLIP COHEN AND
WIFE WEND E. COREN
DB 7911 PG 477

WINDEE SANDERSON
DB 5778 PG 295

JACALYN PRIVETTE
DB 5727 PG 192

TOM GIANNIBIS
DB 5551 PG 702

TOM GIANNIBAS
AND WIFE
HRISTOULA G. GIANNIBAS
DB 6704 PG 216

MEGHAN HELMS
DB W14E PG 135
PB 1 PG 100

TONY A MILLER AND
MARY ALICE
PB 1 PG 100

ROBERT GARY LOVETTE
AND DIANNA K
PB 1 PG 100

DALE S. WALKER
DB 4582 PG 0022

TOWN OF INDIAN TRAIL
DB 6183 PG 55
PB 1 PG 100

JAMES L. INNIS
DB 4830 PG 266

JO ANN WEST AND
HUSBAND JAMES W. WEST IV
DB 3463 PG 318

JOHN IFASTJE
DB 926 PG 697

CHESNUT CTR.

OLD MONROE RD — 20,000 / 28,600

OLD MONROE RD — 25,000 / 44,600

0 / 254

0 / 4,800

0 / 16,700

2021 / 2041

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 43+00 (SHEET 6)

MATCHLINE -L- STA 57+00 (SHEET 8)

GEOFF HAWK
PATRICIA HAWK
DB 6301PG 222

CAROLINAS UNION HEATHCARE, INC.
DB 3282 PG 752

VIRGINIA C FOARD, TRUSTEE
DB 4522 PG 359
DEED DESCRIPTION INCOMPLETE

DAWN MACOMB SCHNEIDER
RANDY SCHNEIDER
DB 6707 PG 706

ROBERT L ROLLINS
MARY BETH ROLLINS
DB 802 PG 799
PB 5 PG 190
LOT 6 BLOCK A

MALEK MACARON
DB 6889 PG 125
PB 5 PG 190
LOT 5 BLOCK A

NORMAN E ESTEP
JACQUELYN ESTEP
DB 3472 PG 767
PB 5 PG 190
LOT 4 BLOCK A

TERRY M & NANCY HENDERSON
DB N/F PG N/F
PB 5 PG 190
LOT 4 BLOCK B

DONALD & FRANCIS YELTON
DB N/F PG N/F
PB 5 PG 190
LOT 5 BLOCK B

VANESSA D PARKER
DB 5894 PG 747
PB 5 PG 190
LOT 6 BLOCK B

LINDA W STINES
DB 155 PG 369

NORTH CAROLINA STATE OF
DB 6443 PG 358

DONNA NELSON HAMMOND
DB 1014 PG 756
PB 5 PG 190
LOT 3 BLOCK A

MALEK MACARON
DB 6889 PG 127
PB 5 PG 190
LOT 2 BLOCK A

JAMES T & ANITA WEBB
DB 5104 PG 356
PB 5 PG 190
LOT 1BLOCK A

JERRY EDMOND HARTIS
DOROTHY K HARTIS
DB N/F PG N/F
PB 5 PG 190
LOT 1BLOCK B

KENNETH W STILWELL
DB 6489 PG 715
PB 5 PG 190
LOT 2 BLOCK B

ESTHER G NARRON
DB N/F PG N/F
PB 5 PG 190
LOT 3 BLOCK B

TOWN OF INDIAN TRAIL
DB 6183 PG 55
PB 1 PG 100

TOWN OF INDIAN TRAIL
DB 3284 PG 842

WILLIAM J. PRESSLY, ET AL
DB 7411 PG 0588
DEED DRAWN BASED ON FOUND FIELD INFORMATION & GIS

BILLY F AYCOTH, JR.
DB 407 PG 465

LARRY J VICKERY
DB 6398 PG 191

TRACT 2
GERALD D RIGGINS
DB 3130 PG 618

RONDO ELIZONDO AND
WIFE CHRISTY B. ELIZONDO
DB 645 PG 68

STEVE & DONNA CLAYTON
DB 3198 PG 27
PB G PG 824

WAYNE P COHEN
WENDY E COHEN
DB 3108 PG 652
PB G PG 824

FONDA HINSON MAYNOR
JERRY MAYNOR
DB 6514 PG 152

STEVE MAYNARD CLAYTON, JR.
DB 1211 PG 543

MINH PHAM
LIEN LIEN
DB 6604 PG 204

RICHARD H TOMBERLIN
DB 414 PG 749

ALPHA OMEGA LAND
DEVELOPMENT INC
DB 4373 PG 786

ALPHA OMEGA LAND
DEVELOPMENT INC
DB 4373 PG 786

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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

	WAXHAW INDIAN TRAIL RD	13,200 / 8,800
4,300 / 2,100		3,000 / 2,700
OLD MONROE RD		OLD MONROE RD
25,000 / 44,600		24,200 / 50,000
3,400 / 6,600		3,900 / 11,400
	WAXHAW INDIAN TRAIL RD	13,200 / 22,000 — 2021 / 2041

NAD 83/NA 2011

JAMES HENRY NANCE & JUNE
DB 1473 PG 786
PB 6 PG 36

LOT 26

LOT 27
JAMES HARBISON
DB 5529 PG 333
PB C PG 628

GAY D PRIVETTE
JANICE W PRIVETTE
DB 1665 PG 001
PB 6 PG 36

RIZAK RETAIL, LLC
DB 5544 PG 865
PB F PG 687

61 GEORGE ATHANS AND WIFE
DENISE P. ATHANS
DB 439 PG 87
PB 6 PG 36

63 SUBHASYS ESTATES LLC
DB 6757 PG 593
PB F PG 687

64 HENDLEY-BREWER PROPERTIES
DB 773 PG 520

66 INDIAN TRAIL PROPERTIES
DB 1309 PG 054
PB F PG 687

65 GREGORY PLAZA LLC
DB 1717 PG 511

67 WILLIAMS HARRIS PROPERTIES LLC
DB 5813 PG 892

53

61 GEORGE ANTHANS AND WIFE DENISE P. ANTHANS
DB 430 PG 831

MATCHLINE -L- STA 57+00 (SHEET 7)

MATCHLINE -L- STA 70+00 (SHEET 9)

60 ALPHA OMEGA LAND DEVELOPMENT INC
DB 4373 PG 786

60 ALPHA OMEGA LAND DEVELOPMENT INC
DB 4373 PG 786

69 RUSHING CONSTRUCTION
DB 245 PG 434

ALPHA OMEGA LAND DEVELOPMENT INC
DB 4373 PG 786

70 INDIAN TRAIL PLAZA LLC
DB 5260 PG 305

71 J.J. CLARK, JR.
STEPHEN G. SIMMS
ANTHONY A. WENDELL
DB 1186 PG 738

UNION COUNTY PUBLIC WORKS
DB N/F PG N/F
194

72 TWO COUSINS PROPERTIES, LLC
DB 4362 PG 003

73 CAH HOLDINGS LLC
DB 6614 PG 261

74 CAH HOLDINGS LLC
DB 4356 PG 001

75 BOULEVARD EAST LLC
DB 4452 PG 042

76 TYME, LLC
DB 1150 PG 801
BLK RET

MATCHLINE -Y10- STA 17+00 (SHEET 20)

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 70+00 (SHEET 8)

MATCHLINE -L- STA 84+00 (SHEET 10)

67 WILLIAMS HARRIS PROPERTIES LLC DB 5813 PG 892

77 UNION MEMORIAL HOSPITAL INC DB 465 PG 758

78 SANDRA E PETERSON WENDY D EDWARDS DB 5469 PG 578 PB 4 PG 149

79 SHARON PRICE JOYCE PRICE DB 5957 PG 004

80 LOT 2 WALLACE CROWELL DB N/F PG N/F PB 4 PG 149

81 BILLI… DB … PB …

UTILITY CLEARING PHASE 1

UTILITY CLEARING PHASE 2

83 BO-TY LLC DB 6508 PG 659

76 FAMILY TYME LLC DB 5910 PG 117 PB L PG 810

84 JORDAN'S PLACE LLC DB 5260 PG 303 PB D PG 160

86 TAE KYU PARK OH SEON PARK DB 1330 PG 628 PB D PG 160

87 STALLINGS VOLUNTEER FIRE DEPARTMENT INC. DB 1094 PG 701 PB E PG 413

CARLTON'S RENTALS, LLC AND GLEN OAKS INVESTMENTS, LLC DB 7210 PG 654

84 JORDAN'S PLACE LLC DB 5260 PG 303 PB D PG 160

84 JORDAN'S PLACE LLC DB 5260 PG 303 PB D PG 160

STALLINGS VOLUNTEER FIRE DEPARTMENT INC. DB 1094 PG 701 PB E PG 413

88 ROGER MAC HELMS DB 256 PG 88

89 BARBARA HELMS DB 5611PG 448

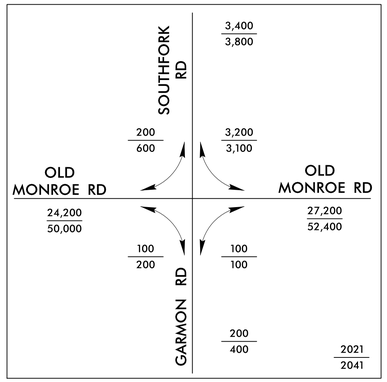
90 CREEKSIDE BIBLE DB 5572 PG

CREEKSIDE BIBLE CHURCH DB 5572 PG 280

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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83/NA 2011

MATCHLINE -L- STA 84+00 (SHEET 9)

MATCHLINE -L- STA 97+00 (SHEET 11)

81 LOT
E P CROWELL
N/F PG N/F
3 4 PG 149

DB 5106 PG 656

POT Sta. 10+00.00

PC Sta. 10+72.61

-L- POT Sta. 86+03.47 =
-Y11- POC Sta. 13+00.00

PT Sta. 87+58.69

92 RAY B KILLOUGH
DB 5106 PG 656

91

93 DENISE KILLOUGH WINDHAM
BRIAN NEAL WINDHAM
DB 4031 PG 737

94 RALPH KILLOUGH
DB N/F PG N/F

95 RAY BERNARD KILLOUGH
DB 3646 PG 330
REFERENCE MADE TO THIS DEED BUT
NO DESCRIPTION FOUND

-L- POC Sta. 93+89.96 =
-Y13- POT Sta. 10+00.00

PC Sta. 92+27.62

KILLOUGH-ROHLEDER HOLDING CO, LLC
DB 5106 PG 659

-L- POC Sta. 86+27.12 =
-Y12- POC Sta. 10+00.00

CREEKSIDE BIBLE CHURCH
DB 5572 PG 280

90

PT Sta. 11+84.78

96 WAXHAW VENTURES LLC
DB 6874 PG 706

97 KENNETH GANTZ
NO INFO FOUND

98 LOT 4
ROBERT E JOHNSON
SALLY H JOHNSON
DB 1105 PG 848
PB B PG 158-B

99 LOT 3
JERRY B HUNEYCUTT
PB B PG 158-B

100 LOT 2
AKN HOLDINGS LLC
PB B PG 158-B

POT Sta. 13+40.00

POT Sta. 13+90.00

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

95
RAY BERNARD KILLOUGH
DB 3646 PG 330
REFERENCE MADE TO THIS DEED BUT
NO DESCRIPTION FOUND

101
RAY BERNARD KILLOUGH
JUDITH G KILLOUGH
DB 3646 PG 330

MILO RUFUS KILLOUGH AND WIFE
SALLY JORDAN KILLOUGH
103
DB 755 PG 527

104
LEE A TARGETT
DB 725 PG 577
NO DESCRIPTION FOUND
PARCEL ID 0708701 9

MATCHLINE -L- STA 97+00 (SHEET 10)

MATCHLINE -L- STA 110+00 (SHEET 12)

PT Sta. 102+39.86

-L- POC Sta. 107+29.83 =
-Y1A- POT Sta. 10+00.00

PC Sta. 11+44.78

PT Sta. 12+81.42

POT Sta. 13+30.00

S 45°07'59.7" E

S 44°52'00.3" W

105
LOT 1
AKN HOLDINGS LLC
DB 6161 PG 188
PB B PG 158-B

106
S MICHELLE BRATTAIN
DB 4098 PG 641

107
CHERYL L BLANCHARD
DB 5230 PG 825

108
WOODROW L BLANCHARD
DB 5532 PG 730
PB L PG 418

109
LOT 2
LOUISE M MONGILLO
MARIE L MONGILLO
DB 1843 PG 856
PB 6 PG 30

110
LOT 1
FLOYD MRUGALSKI
JOYCE MRUGALSKI
JEFFERY MRUGALSKI
DB 4766 PG 501
PB 6 PG 30

111
LOT 62
ROBERT STEWART MARSH JR
ANITA MARSH FOX
DB 5124 PG 811
PB 6 PG 30

LOT 61
HEATH & LIBBY SQUIRES
PB 6 PG 30

112
ALAN N KINGSMORE
BRENDA B KINGSMORE
DB 1238 PG 778

100
LOT 2
AKN
HOLDINGS LLC
PB B PG 158-B

TRACT 1
EVELYN A MILLER
DB 6702 PG 539

102

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

9/21/2023
Environmental\Design\EC Sheets\CGU-4714B_rdy_psh11.dgn
dlee056

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -L- STA 110+00 (SHEET 11)

MATCHLINE -L- STA 122+00 (SHEET 13)

MATCHLINE -Y15- STA. 15+10 (SEE INSET)

NAD 83/NA 2011

UTILITY CLEARING PHASE 2

UTILITY C PHASE

MATCHLINE -Y15- STA 15+10 (INSET A)

PC Sta. 111+00.00

PCC Sta. 15+15.55

PCC Sta. 17+65.72

PT Sta. 18+98.53

LOT 50
MARIAH PATTY
DB 7045 PG 793
PB 6 PG 30

LOT 51
JACOB CURTIS BLACKWOOD JR.
DB NOT FOUND PG NOT FOUND
PB 6 PG 30

RETAIN

	MIDWAY DR	
OLD MONROE RD	400 / 600	
300 / 300		100 / 300
27,200 / 52,400		21,400 / 46,400
6,500 / 7,500		900 / 1,500
BRANDON OAKS PKWY	7,400 / 9,000	2021 / 2041

OLD MONROE RD

114
JOHN V & JUDY M MCHAN
DB 5518 PG 531
PB B PG 31-A
REFERENCE PLAT NOT FOUND
NO DESCRIPTION FOUND

115
NO INFO FOUND FOR MARIE DEESE HEIRS
OR FOR ARTHUR F DEESE
PARCEL# 07087016

116
INTERNATIONAL CHURCH OF
THE FOUR SQUARE GOSPEL
DB 6179 PG 491
PB 5 PG 120

CAROLYN A
MB 5 PG

JAMES ARTHUR BRADLEY & MARY
MB 5 PG 120

117
JAMES ARTHUR
BRADLEY & MARY
MB 5 PG 120

113
LEE A HARGETT
DB 725 PG 577
NO DESCRIPTION FOUND
PARCEL ID 07087018

-L- POC Sta. 115+00.12 =
-Y15- POC Sta. 10+00.00

PRC Sta. 117+34.92

-L- POC Sta. 119+78.92 =
-Y16- POT Sta. 12+50.00

PT Sta. 12+68.45

POT Sta. 14+00.17

S 63° 28' 45" W 210.10'

S 14° 42' 09" W

-L- POC Sta. 119+91.28 =
-Y17- POT Sta. 10+00.00

PRC Sta. 12+30.84

118
ANTHONY ISENHOUR
SARAH ISENHOUR
DB 5613 PG 765

119
BESSIE MORRISON
PB 6 PG 30

120
LOT 45
JOHN WASYLUK
NOEMIC WASYLUK
DB 4647 PG 847
PB 6 PG 30

121
LOT 46
JAMES HUNTLEY JR
PB 6 PG 30

122
LOT 44
WILLIAM F HERRON
DB 3570 PG 800
PB 6 PG 30

123
BRANDON OAKS
COMMUNITY ASSOCIATION

SAFETY FENCE

202
LOT 43
NATHAN J GREENE
NO DEED ASSOCIATED
W\PARCEL 07114189
PB 6 PG 30

203
LOT 42
NEW PATH PROPERTIES INC
DB 6856 PG 303
PB 6 PG 30

LOT 30
ADAM JOSEY
REBECCA JOSEY
DB 5744 PG 710
PB D PG 634

LOT 29
JONATHAN R WELCH
KELLY A TRAHEY
DB 5958 PG 816
PB D PG 634

JENNA MCDANIEL
DB 5679 PG 797
PB D PG 634

WILLIE HILTON LESESANE
DB 4742 PG 592
PB D PG 634

LOT 31

LOT 32

PB D PG 550

125
BRANDON OAKS
COMMUNITY ASSOCIATION
PB D PG 550

112
ALAN N KINGSMORE
BRENDA B KINGSMORE
DB 1238 PG 778

LOT 47
JOHN WESLEY KUHN
LINDA DARLENE KUHN
DB 4637 PG 293
PB 6 PG 30

LOT 48
JBO PROPERTIES LLC
DB 6728 PG 824
PB 6 PG 30

LOT 49
BETTY H. NEWELL
DB NF PG NF
PB 6 PG 30

LOT 41
STEPHEN SCHMIDT
DB 4585 PG 601
PB 6 PG 30

LOT 40
SAMUEL L BARNETT
DB 5238 PG 595
PB 6 PG 30

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

8/2/2023
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stephens

15

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 122+00 (SHEET 12)

MATCHLINE -L- STA 135+00 (SHEET 14)

CAROLYN A MANUS
MB 5 PG 120

JAMES ARTHUR BRADLEY & MARY
MB 5 PG 120

DAVID GEORGE
PROPERTY DESCRIBED IN DB6718 PG 544
IS NOT THIS PROPERTY

DAVID E GEORGE
DB 6912 PG 907

GRACE BAPTIST CHURCH
NO DEED OR PLAT
FOR PARCEL 07087013

GRACE BAPTIST CHURCH
NO DEED OR PLAT
FOR PARCEL 07087012

BILLY RAY & DORIS BOYD
NO DEED FOUND

BILLY RAY & DORIS BOYD
NO DEED FOUND

APS INDIAN TRAIL LLC
DB 4914 PG 780

LEARING

JAMES ARTHUR BRADLEY & MARY
MB 5 PG 120

NO DEED OR PLAT FOUND
FOR PAUL HELMS
FOR PARCEL 07087014B

DB 965 PG 483 CORRESPOND
TO THE CORRECT PARCEL # (07090020)
BUT ARE NOT CORRECT

WALTON C JOHNSON
HESTA T JOHNSON
DB 1173 PG 182

DAVID M PRIVETTE
DB 1282 PG 699

NFM PROPERTIES, LLC
DB 8323 PG 515

NFM PROPERTIES, LLC
DB 8323 PG 515

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 135+00 (SHEET 13)

MATCHLINE -L- STA 147+00 (SHEET 15)

POT Sta. 10+00.00

-L- POT Sta. 137+81.85 =
-Y18- POT Sta. 13+80.00

UTILITY CLEARING
PHASE 3

138
APS INDIAN TRAIL LLC
DB 4914 PG 780

131
BILLY RAY & DORIS BOYD
NO DEED FOUND

139A
SVBP @ RADIATOR LLC.
DB 7132 PG 033

139
INDIAN TRAIL SLIM C'S LLC
DB 8428 PG 611

140
KIMBERLY ANN OCCHIPINTI
FRANCESCO MICHAEL OCCHINPINTI
DB 5939 PG 813

140Z

136
NFM PROPERTIES, LLC
DB 8323 PG 515

WILLIAM E. HARDING AND WIFE
PATRICIA K HARDING
DB 6040 PG 406

141
KVP HOLDINGS LLC
DB 5495 PG 0814

KVP HOLDINGS LLC
DB 5495 PG 816

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 147+00 (SHEET 14)

MATCHLINE -L- STA 161+00 (SHEET 16)

UTILITY CLEARING
PHASE 4

139
INDIAN TRAIL SLIM C'S LLC
DB 8428 PG 611

139
2 GEN HOLDINGS LLC
DB 5897 PG 493

NATURE'S CALLING LLC
DB 6142 PG 786
PB 7 PG 22

POT Sta. 10+50.00

NATURE'S CALLING LLC
DB 6142 PG 786
PB 7 PG 22

144
NATURE'S CALLING LLC
DB 6142 PG 786
PB 7 PG 22

-L- POC Sta. 159+78.68 =
-Y19- POC Sta. 13+80.00

PC Sta. 12+10.32

145
STANLEY REID EFIRD
DOROTHY JEAN EFIRD
DB 4770 PG 590
PB 7 PG 22

PC Sta. 155+27.10

SAFETY FENCE

141
KVP HOLDINGS LLC
DB 5495 PG 0814

141
KVP HOLDINGS LLC
DB 5495 PG 814
MB L PG 713

KVP HOLDINGS LLC
DB 5495 PG 814
MB L PG 713

KVP HOLDINGS LLC
DB 5495 PG 814
MB L PG 713

150
ROBERT DOUGLAS PRESSLEY GRANTOR
FREDERICK S MCGEE GRANTEE
PB M PG 434

149
RANDALL K. SMITH
DB 1385 PG 715

151
ROBERT DOUGLAS PRESSLEY
PB M PG 434

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 161+00 (SHEET 15)

MATCHLINE -L- STA 175+00 (SHEET 17)

STANLEY REID EFIRD
DORTHY JEAN EFIRD
DB 4770 PG 290
PB 7 PG 22

JAMES WALLACE
TINA WALLACE
DB 1393 PG 024
PB 7 PG 22

WILLIAM L &
DIANA L PRICE
PB 7 PG 22

CHARLES FRANKLIN BURGESS
AND ANITA BURGESS
PB 7 PG 22

MONICA RODRIGUEZ
DB 6784 PG 208
PB 7 PG 22

PETE AND REBECCA HOSSIKOS
PB 7 PG 22

145 STANLEY REID EFIRD
DOROTHY JEAN EFIRD
DB 4770 PG 290
PB 7 PG 22

152 STANLEY REID EFIRD
DOROTHY JEAN EFIRD
DB 4770 PG 290
PB 7 PG 22

153 WILLIAM J MCCALLUM, III
DB 1209 PG 112
PB 7 PG 22

154 WILLIAM J MCCALLUM, III
DB 1209 PG 112
PB 7 PG 22

155 WILLIAM J MCCALLUM, III
DB 1209 PG 112
PB 7 PG 22

156 SUN VALLEY COMMONS LLC
PB L PG 735

157 SUN VALLEY COMMONS LLC
PB M PG 736

158 MP INDIAN TRAIL NC LLC
DB 6490 PG 609
PB M PG 736

159 FIRST TRACT
LINDA OGRODNICK
DB 951PG 704

SECOND TRACT
LINDA OGRODNICK
DB 951PG 704

160 SUN VALLEY STATION, LLC
DB 8026 PG 782
PC P FILE 643

161 TOWN OF INDIAN
ALCOHOLIC BEVERAGE
CONTROL BOARD
DB 8118 PG 728
PC P FILE 643

162 ATHANASIOS P KAKOURAS
DB 4747 PG 632

163 MUSTANG PARK LLC
DB 5745 PG 303

151 ROBERT DOUGLAS PRESSLEY
PB M PG 434

PT Sta. 166+07.34

POT Sta. 10+00.00

POT Sta. 172+69.47

POT Sta. 12+30.00

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE (SHEET 17A)

NAD 83/NA 2011

MATCHLINE -Y22- STA 11+50 (SHEET 17A)

MATCHLINE -L- STA 175+00 (SHEET 16)

MATCHLINE -L- STA 189+00 (SHEET 18)

SUN VALLEY COMMONS DR #2

OLD MONROE RD

SUN VALLEY COMMONS LLC
PB PG 878

SUN VALLEY COMMONS
PB L PG 582

MUSTANG DR

4,600 / 7,200			
1,800 / 5,900		1,200 / 1,300	
21,400 / 46,400		31,000 / 38,200	
2,900 / 6,900		3,100 / 3,300	
7,600 / 10,200		2021 / 2041	

SUN VALLEY COMMONS LLC
PB J PG 958

SCOJO COMMERCIAL INVESTMENTS LLC
DB 6944 PG 491
PB J PG 958

FFC LIMITED PARTNERSHIP
DB 8564 PG 2
PB 1PG 878

HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

NIKSONS, LLC
DB 1486 PG 108

PARKVIEW INDIAN TRAIL, LLC
DB 8317 PG 65
PB 1PG 878

SUN VALLEY COMMONS LLC
PB M PG 736

MP INDIAN TRAIL NC LLC
DB 6490 PG 609
PB M PG 736

JANA COLLINS TRUSTEE
DB 5856 PG 831
PB J PG 958

INDIAN TRAIL RETAIL CENTER LLC
DB 6550 PG 602
PB K PG 415

SUN VALLEY INVESTMENTS LLC
DB 4817 PG 089
PB 1PG 878

ARC BJITLNCOOI, LLC

MUSTANG PARK LLC
DB 5745 PG 303

HENDLEY-BREWER PROPERTIES
DB 1215 PG 53

THE WALLACE INDIAN LAND, LLC
DB 4140 PG 0661

J.M. WALLACE LAND COMPANY, LLC
DB 6082 PG 0750

UNION COUNTY BOARD OF EDUCATION
DB 5463 PG 0540

-L- POT Sta. 177+10.51 =
-Y21- POT Sta. 13+24.19

POT Sta. 10+00.00

POT Sta. 10+59.22

PT Sta. 12+04.71

POT Sta. 12+50.00

-L- POT Sta. 177+13.55 =
-Y21A- POT Sta. 10+00.00

PC Sta. 13+11.24

-L- POC Sta. 186+19.52 =
-Y22- POC Sta. 15+52.37
PC Sta. 185+84.85

PT Sta. 16+47.36

PT Sta. 188+50.33

14,400 / 13,400			
3,100 / 4,900		2,200 / 1,100	
21,000 / 38,200	6,400 / 16,000	2,300 / 2,000	16,000 / 20,400
	17,800 / 25,400		2021 / 2041

WESLEY CHAPEL STOUTS RD

OLD MONROE RD

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G

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stevens

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	17A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 NA 2011

SUN VALLEY COMMONS, LLC
DB NA PG NA
PB 1PG 878

MHG HOLDINGS, LLC
DB 6646 PG 848

RP3 TABLE ROCK, LLC
DB 8998 PG 371
PB 178 PG 378

ACCESS & UTILITY EASEMENT

50.5' ACCESS & UTILITY EASEMENT

MENU SPEAKER CANOPY

BOLLARD (4)

ISBLKBUS

S 34° 24' 55.3" W

SUN VALLEY COMMONS, LOT 4, LLC
DB 6876 PG 805
PB 1PG 878

ISBKBUS

Missing Invert OUT

SUN VALLEY COMMONS LLC
PB 1PG 878

15' WATERLINE EASEMENT

36" RCP

205
CALM INVESTMENT GROUP LLC
DB 4500 PG 454
PB 1PG 878

206
HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

POT Sta. 10+00.00

S 44° 40' 43.6" E

PC Sta. 13+23.44

PC Sta. 8+01.07

R=181'

R=107'

207
B-F UNION PROPERTIES, LLP
DB 4938 PG 344

-Y22- POT Sta. 9+33.55 =
-Y23- POT Sta. 14+00.00

S 53° 56' 31.2" E

PC Sta. 11+94

S 41° 02' 53.0" W

R=101'

LIQUID MANAGEMENT, LLC
DB 3676 PG 808
208 10

209
LIQUID MANAGEMENT, LLC
DB 3676 PG 808

SCOJO COMMERCIAL INVESTMENTS LLC
DB 6944 PG 491
PB J PG 958

204
FFC LIMITED PARTNERSHIP
DB 8564 PG 2
PB 1PG 878

176
HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

MATCHLINE (SHEET 17)

MATCHLINE -Y22- STA 11+50 (SHEET 17)

MATCHLINE (SHEET 18)

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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sbrooks

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NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE (SHEET 17A)

MATCHLINE -L- STA 189+00 (SHEET 17)

MATCHLINE -L- STA 203+00 (SHEET 19)

OLD MONROE RD		OLD MONROE RD
16,000 / 20,400		14,800 / 19,000
3,100 / 4,400	SSUN VALLEY HS ENTRANCE	1,900 / 3,000
5,000 / 7,400		2021 / 2041

NIKSONS, LLC
DB 1486 PG 108

ANN NIKOPOULOUS
DB 5508 PG 117

HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

DHRUVIN REAL ESTATE HOLDINGS, LLC
DB 7337 PG 42
PB N PG 831

THE SHOPPES AT HANFIELD VILLAGE, LLC
DB N/F PG N/F

INDIAN TRAIL SLIM C'S LLC
DB 8428 PG 611
PB N PG 831

WHTRG PROPERTIES LLC
DB 7906 PG 109

UNION COUNTY BOARD OF EDUCATION
DB 5950 PG 0162

CATAMOUNTAINEER INVESTMENTS LLC
DB 5760 PG 438

STEVEN MICHAEL SMITH
DB N/F PG N/F

DAVID E. RUSSELL & DORRIS A. RUSSELL
DB 3482 PG 785

DAVID E. RUSSELL & DORRIS A. RUSSELL
DB 3482 PG 787

ERVIN L. PRESSLEY
DB 242 PG 488

FRANKLIN VICTORY, JR.
DB 366 PG 851

-L- POT Sta. 196+10.67 =
-Y24- POT Sta. 12+50.00

POT Sta. 10+00.00

-L- POT Sta. [illegible] =
-Y25- POT Sta. [illegible]

PT Sta. 11+60.03

POT Sta. 12+60.00

S 37°00' 12.6" E

S 53°10' 35.4" E

S 36°49' 24.6" W

SAFETY FENCE

R=646'

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-26.

8/21/2023
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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 203+00 (SHEET 18)

POT Sta. 215+00.00

ANDY MING-TAO HUANG AND WIFE,
JUDY HSIU LAN HUANG
DB 6705 PG 229

THOMAS JACKSON HANEY, III IRREVOCABLE TRUST
DB 6164 PG 113

STAMBOLITIS JOHN K &WIFE STEPHANIE
DB 1108 PG 0747

DEBORAH S FAULKNER
DB N/F PG N/F

DEBORAH S FAULKNER & BILLE ANNE SPRINGS NORRIS
DB 5254 PG 584

UTILITY CLEARING
PHASE 4

SANDRA JONES BECK A ONE-HALF UNDIVIDED INTREST
C/O HAZEL C. ROBERTS
DB 4462 PG 0205

SANDRA
JONES BECK
DB 4462 PG 0202

ERVIN L. PRESSLEY
DB 242 PG 488

FRANKLIN VICTORY, JR.
DB 366 PG 851

NED D. KNIGHT AND
STELLA S. KNIGHT
DB 242 PG 758

NED D. KNIGHT AND
STELLA S. KNIGHT
DB 732 PG 480

NED D. KNIGHT AND
STELLA S. KNIGHT
DB 732 PG 480

JAMELA AINTRAZI
DB 6605 PG 729

DEBORAH AINTRAZI
DB 6584 PG 662

DOUGLAS WAYNE KNIGHT&
CHRISTY M. KNIGHT
DB 1960 PG 438

NED D. KNIGHT AND STELLA S. KNIGHT
DB 1960 PG 438

SERAFIM K PANOU
DB 1044 PG 705

ANTONIOS PANOU
DB 1044 PG 707

JOHN HALEEM AND
JOSEPH HABIB YANNI
DB 6754 PG 733

STEVEN SCINTO
DB 5365 PG 005

LOUISE STREATER
DB 4958 PG 718

VIRGILIO CRUZ SERRANO
& ALEJANDRINA
BAILON PALAOIS
DB 3322 PG 142

US SFE ASSET
COMPANY 4 LLC
DB 6646 PG 239

GILLESPIE LLC
DB 5728 PG 868

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

195
TRACT 1
CUBE HHF LIMITED PARTNERSHIP
DB 6148 PG 251

196
TAE KYU PARK AND SPOUSE
OH SEON PARK AND MEE AE PARK
DB 6216 PG 151

JDH MANAGEMENT, LLC
DB 6662 PG 672
PB D PG 893

SOUTHERN EQUIPMENT COMPANY INC
DB 4467 PG 487

DAVID WINDELL CUNNINGHAM
DB 6554 PG 347

201
MICHAEL O RADESKY AND WIFE
PAMELA G RADESKY
DB 5161 PG 339

200
ROBERT CHARLES MULLIS
ROBIN S MULLIS
DB 1198 PG 740

198
ALPHA OMEGA LAND DEVELOPMENT INC
DB 4373 PG 786

199
ALPHA OMEGA LAND DEVELOPMENT INC
DB 4373 PG 786

MICHAEL O RADESKY AND WIFE
PAMELA G RADESKY
DB 5161 PG 339

70
INDIAN TRAIL
PLAZA LLC
DB 5260 PG 305

UNION COUNTY
PUBLIC WORKS
DB N/F PG N/F

JWM ACQUISITIONS, LLC
DB 6476 PG 764

MATCHLINE -Y10- STA 17+00 (SHEET 8)

PT STA 22+32.27

PROP STA 22+32.27

S 25° 42' 26.3" W

DO NOT DISTURB SIGN

ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING. SEE SHEET EC-2G.

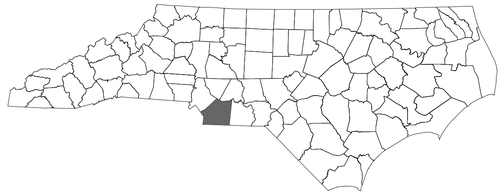
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

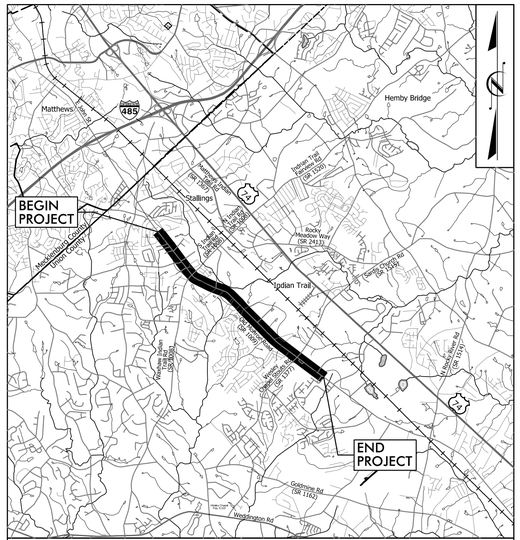
TRANSPORTATION MANAGEMENT PLAN

UNION COUNTY



LOCATION: SR 1009 (OLD MONROE ROAD) FROM WEST OF MORNINGSIDE MEADOW LANE TO EAST OF SR 1377 (WESLEY CHAPEL–STOUTS RD)

TYPE OF WORK: CLEARING AND GRUBBING, EROSION CONTROL



VICINITY MAP

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, INDEX OF SHEETS, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND PHASING
TMP-1A	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGING DEVICES

PHASING

STEP 1. USING RSD 1101.02 SHEETS 1 AND 2 OF 14 INSTALL THE WORK ZONE ADVANCE WARNING SIGNS. SEE ROADWAY STANDARD DRAWING (RSD) 1101.01 SHEET 3 OF 3.

STEP 2. WORKING AWAY FROM TRAFFIC AND USING RSD 1101.02 AND 1101.04 AS NEEDED, COMPLETE THE CLEARING AND GRUBBING.

SHEET NO.
TMP-1

U-4714B

TIP PROJECT:



WORK ZONE SAFETY & MOBILITY
"from the MOUNTAINS to the COAST"

PLANS PREPARED BY:

SEAN C. STEPHENS, PE
TRAFFIC ENGINEER

ASHLEY BOUCHARD, PE
TRANSPORTATION DESIGNER

NCDOT CONTACTS:

SHEENA GREEN
PROJECT ENGINEER

BRYAN C. KEY, PE
PROJECT DESIGN ENGINEER

DIVISION OF HIGHWAYS ★ STATE OF NORTH CAROLINA ★ DEPARTMENT OF TRANSPORTATION ★ WORK ZONE TRAFFIC CONTROL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

APPROVED: Docusigned by: Sean C. Stephens BE63BFA0769C436...

DATE: 9/21/2023

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 043891 ENGINEER SEAN C. STEPHENS

9/15/2023
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stephesc

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PROJ. REFERENCE NO.	SHEET NO.
U-4714B	TMP-1A

MANAGEMENT STRATEGIES

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

TRAFFIC MANAGEMENT STRATEGIES:
- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL ROADS	MONDAY THRU FRIDAY 6:00 A.M. - 9:00 P.M. SATURDAY AND SUNDAY 9:00 A.M. - 9:00 P.M.

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

ROAD NAME

ALL ROADS

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

   IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	MONDAY THRU SUNDAY 12:00 A.M. - 9:00 A.M. 11:00 A.M. - 1:00 P.M. 4:00 P.M. - 11:59 P.M.	10 MINUTES MAX FOR TREE REMOVAL

TIME RESTRICTIONS CONTINUED

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

E) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

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

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

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

K) DO NOT INSTALL MORE THAN TWO SIMULTANEOUS LANE CLOSURES ON ANY ROAD.

L) PROVIDE A MINIMUM OF TWO MILES BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

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

SIGNING

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

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

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

TRAFFIC CONTROL DEVICES

Q) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

PAVEMENT MARKINGS AND MARKERS

R) REPLACE ANY DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

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APPROVED: Sean C. Stephens (Docusigned by: BE63BFA0769C439...)

DATE: 9/21/2023

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 043891 ENGINEER SEAN C. STEPHENS

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DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

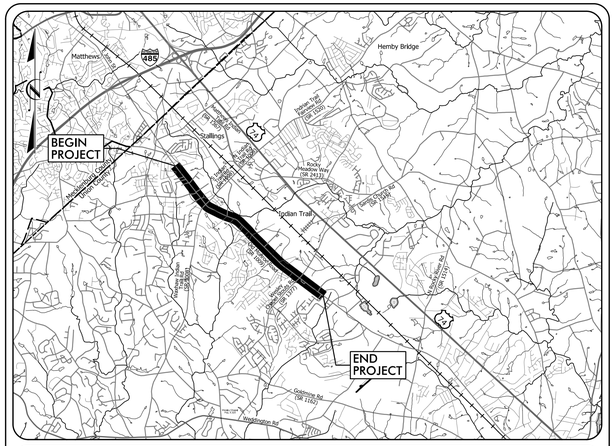
TRANSPORTATION MANAGEMENT PLAN

GENERAL NOTES

9/15/2023
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User:stephesc

PROJECT: U-4714B

TIP



VICINITY MAP
NOT TO SCALE

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

LOCATION: SR 1009 (OLD MONROE ROAD) FROM WEST OF MORNINGSIDE MEADOW LANE TO EAST OF SR 1377 (WESLEY CHAPEL–STOUTS RD)

TYPE OF WORK: CLEARING AND GRUBBING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	TBD	EC-1	27

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
39078.1.6	STPDA–1009(18)	PE
39078.2.6		R /W & UTIL

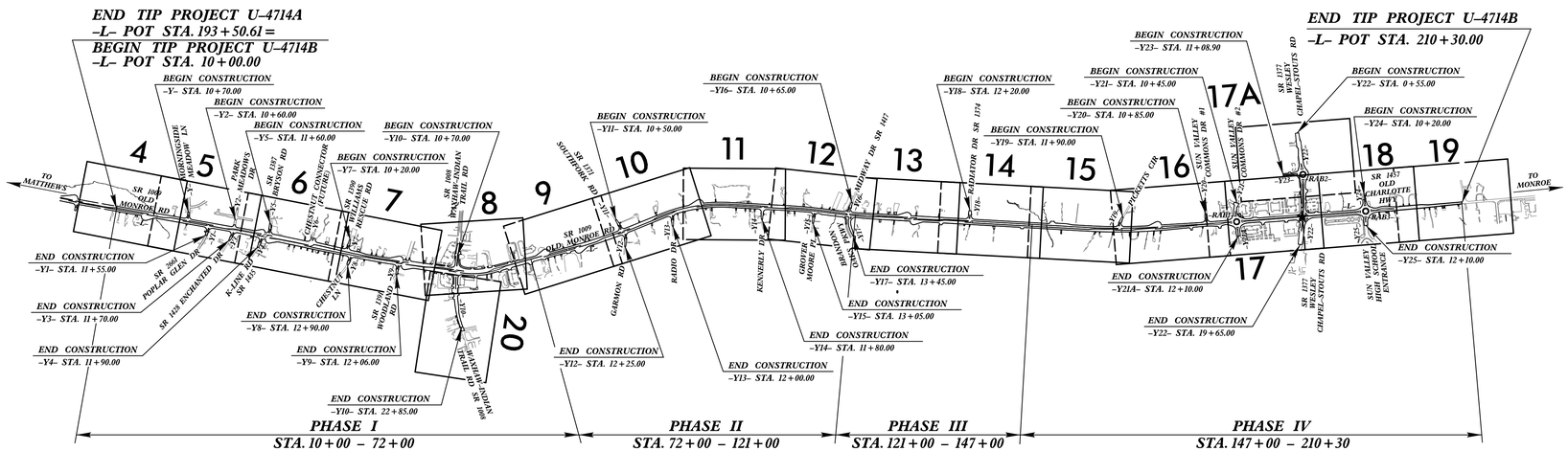
EROSION AND SEDIMENT CONTROL MEASURES

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

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

SITE TO BE STABILIZED IMMEDIATELY FOLLOWING CLEARING AND GRUBBING

SAFETY FENCE TO BE INSTALLED PRIOR TO CLEARING AND GRUBBING



THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF STALLINGS AND INDIAN TRAIL.

THERE IS NO CONTROL OF ACCESS ON THIS PROJECT EXCEPT U-TURN BULBS HAVE FULL CONTROL OF ACCESS.

GRAPHIC SCALE

50 25 0 50 100

PLANS

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.

STV Engineers, Inc.
900 West Trade St., Suite 715
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NC License Number F-0991

Prepared In the Office of:

STV ENGINEERS, INC.

900 WEST TRADE STREET, SUITE 715

CHARLOTTE, NC 28202

Designed by:

EDWARD VANCE, PE ***3974***

NAME *LEVEL III CERTIFICATION NO.*

Roadway Standard Drawings

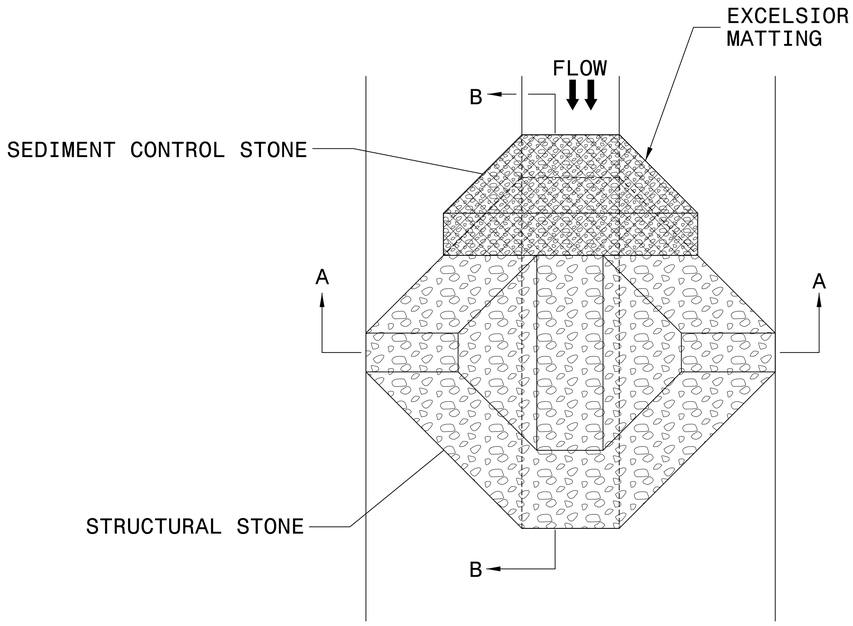
The following roadway english standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

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

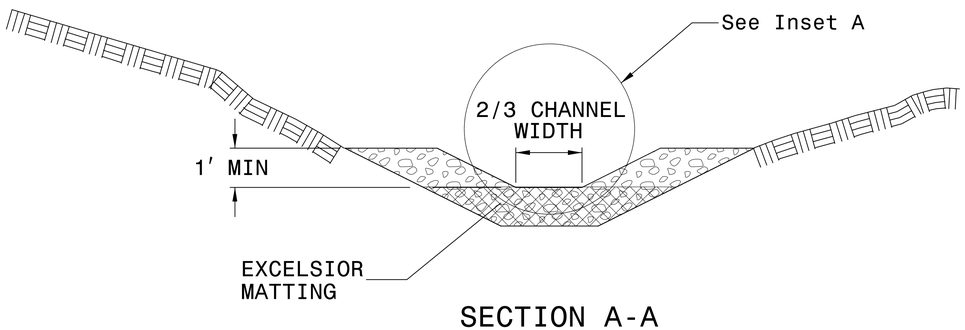
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stephens

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN



SECTION A-A

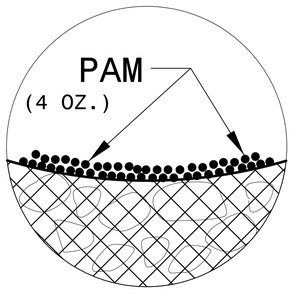
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

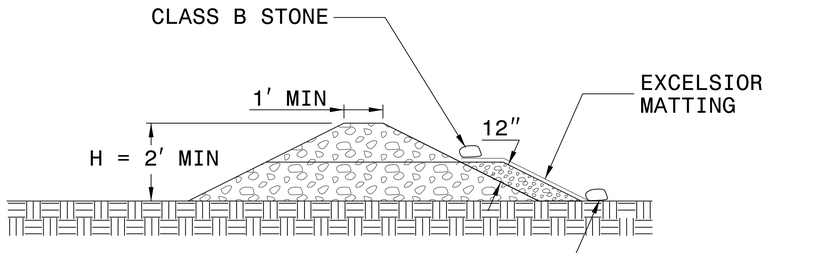
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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 ROCK SILT CHECK.

INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A

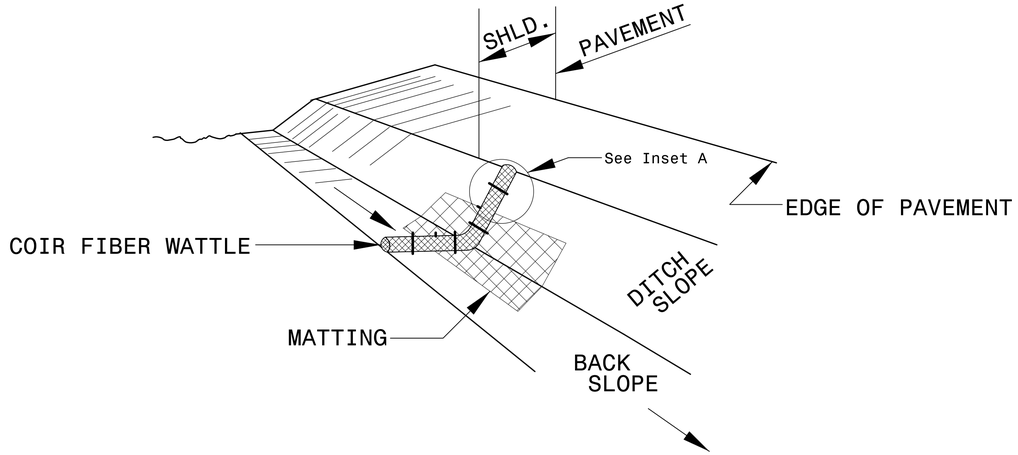


SECTION B-B

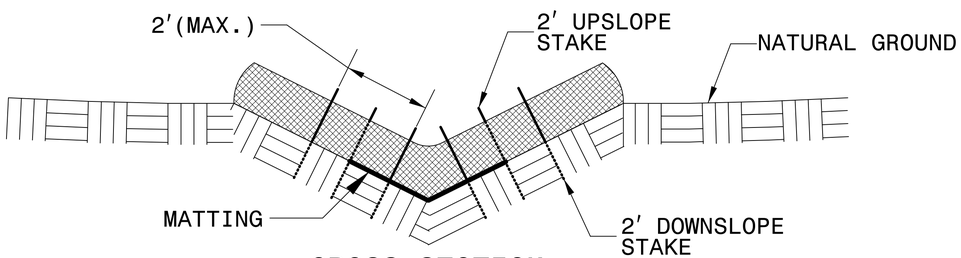
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

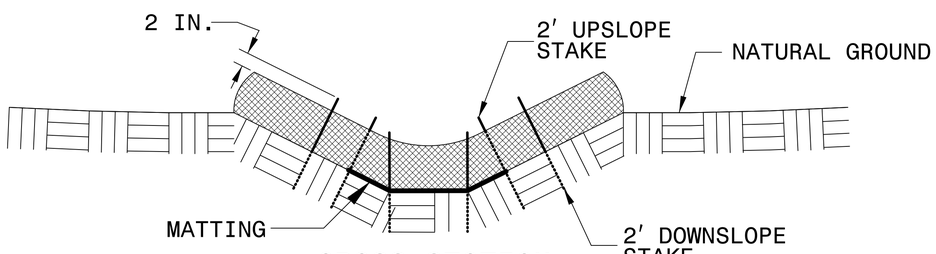
COIR FIBER WATTLE DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

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

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

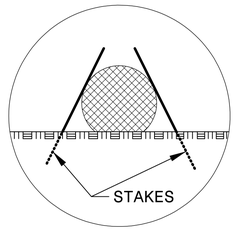
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

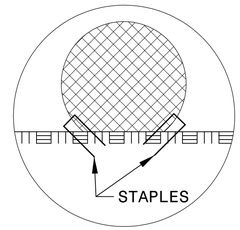
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

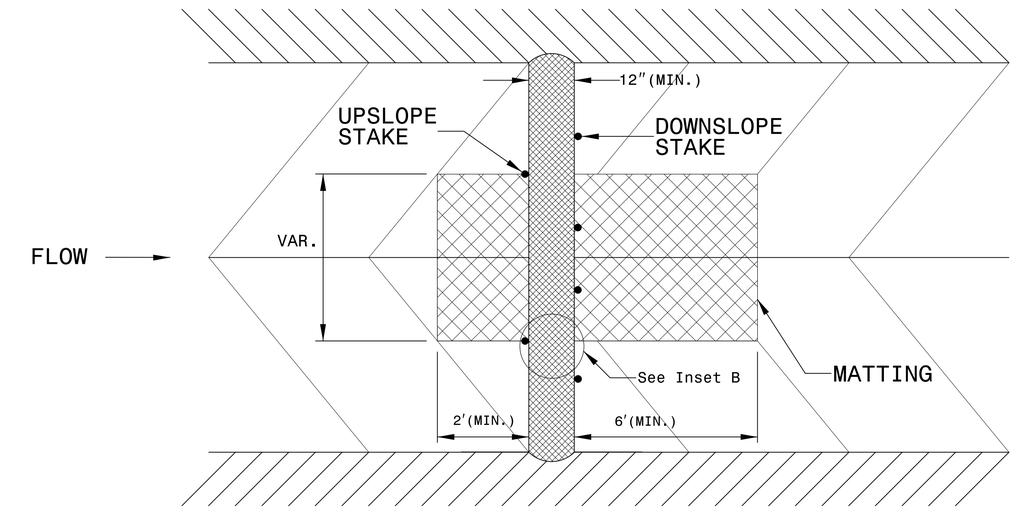
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



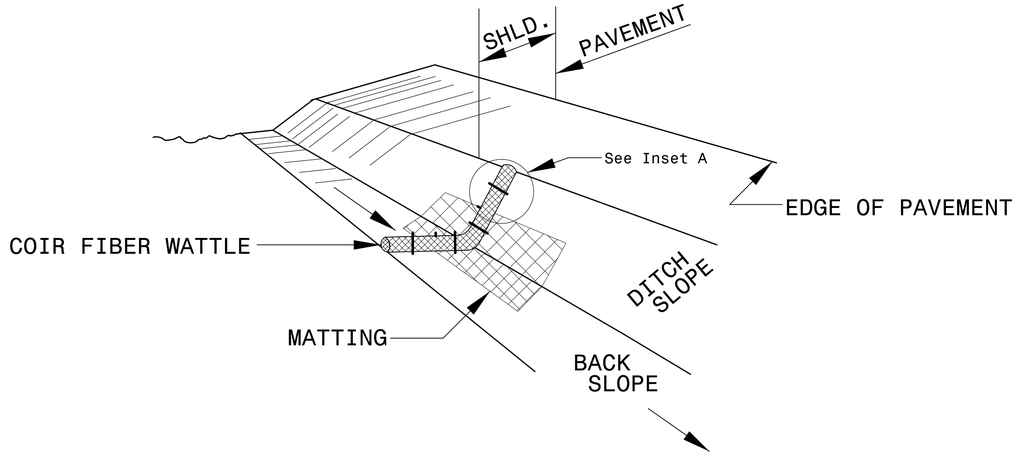
INSET B



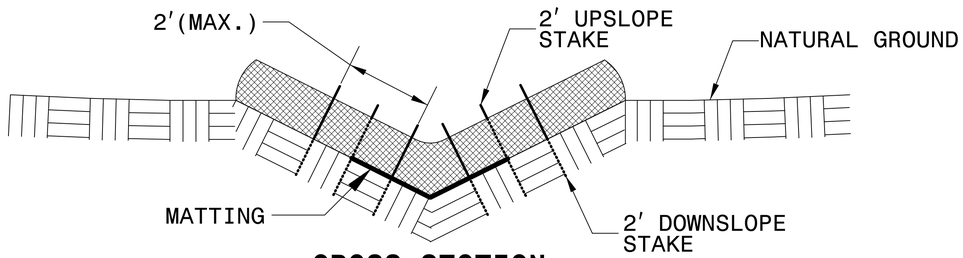
TOP VIEW

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-2C
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

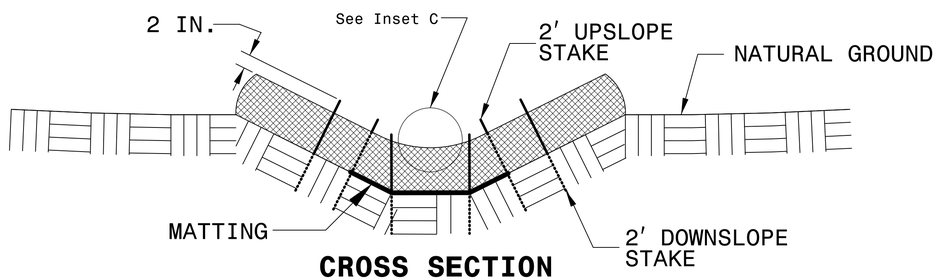
COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

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

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

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

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

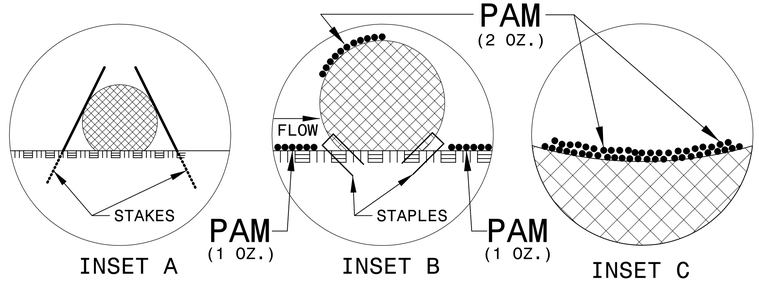
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

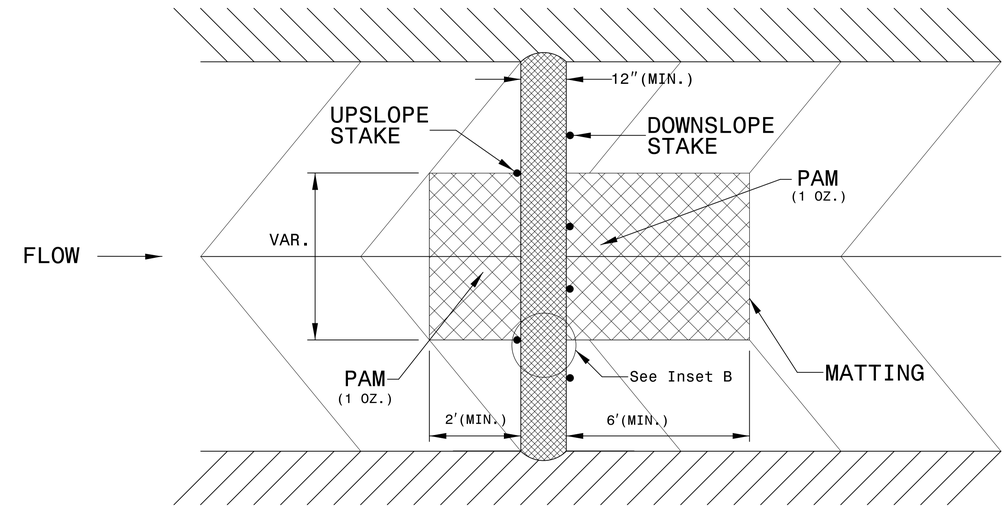
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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

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

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

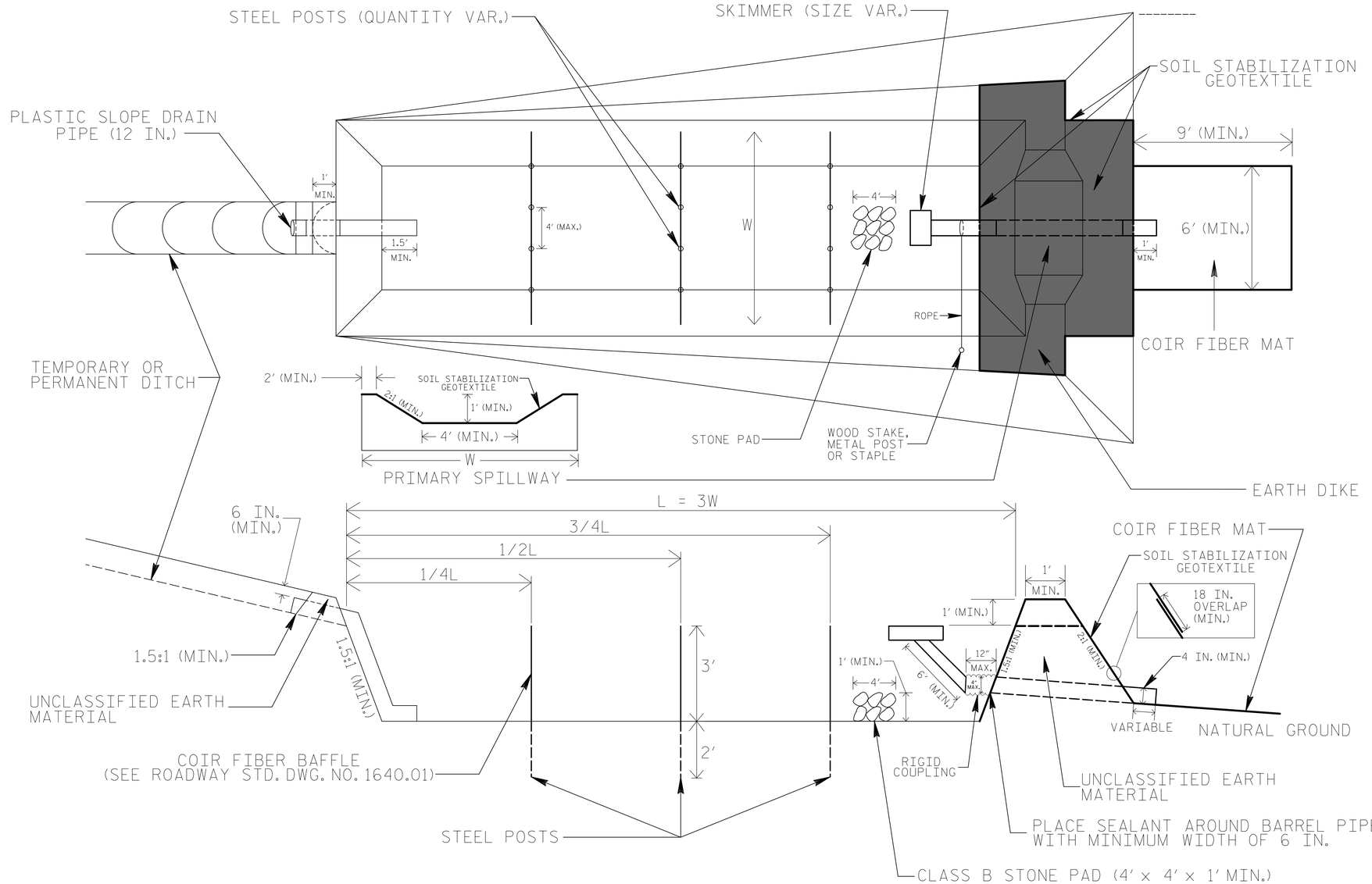




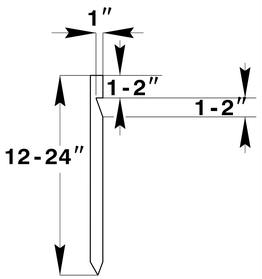
TOP VIEW

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-2D
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

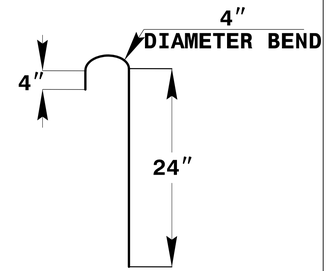
SKIMMER BASIN WITH BAFFLES DETAIL



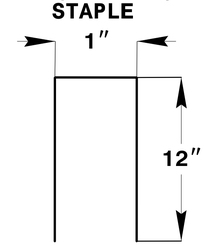
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

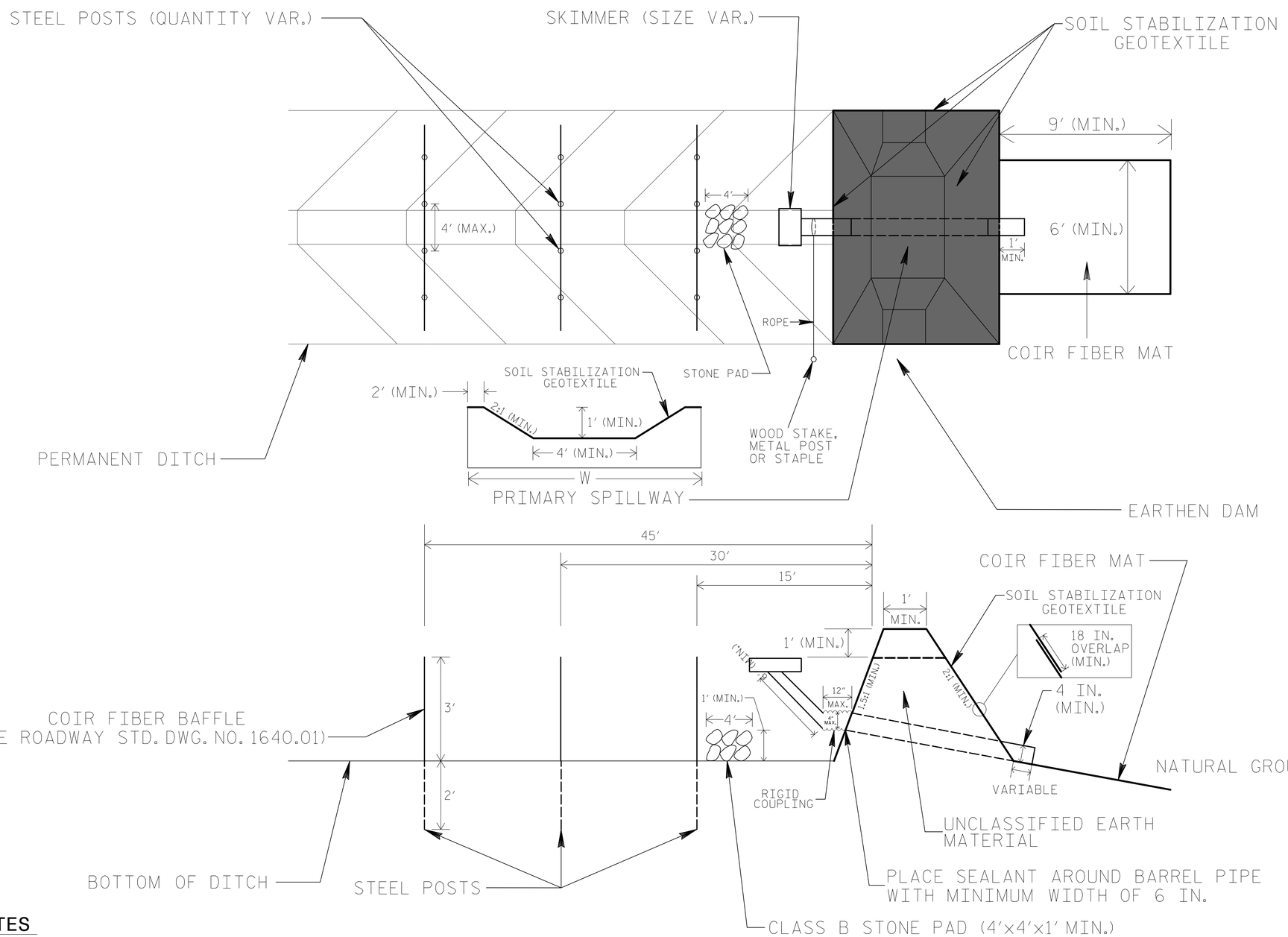
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

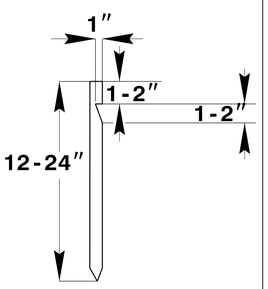
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-2E
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

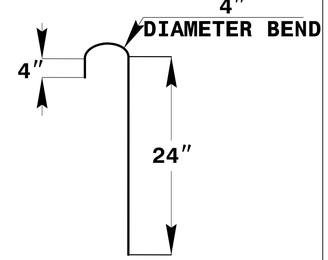
EARTHEN DAM WITH SKIMMER



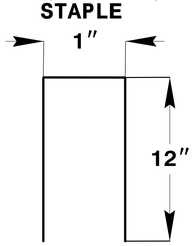
2″ x 2″ (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1″ (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

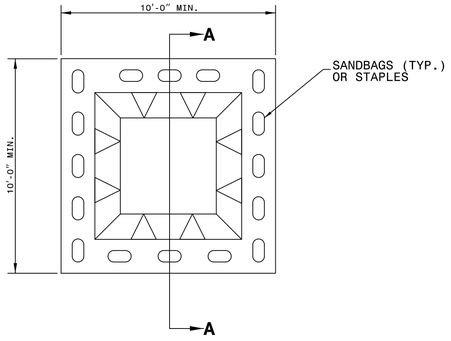
NOTES

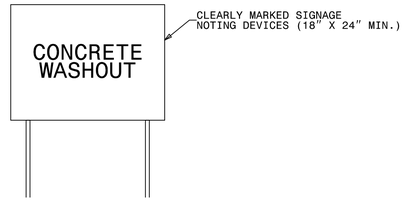
1. LIMIT EARTHEN DAM HEIGHT TO 5 FT.
2. DETERMINE PRIMARY SPILLWAY LENGTH (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
3. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

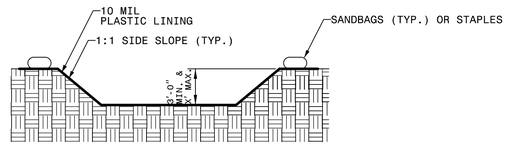
PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-2F

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER DETAIL





PLAN



SECTION A-A

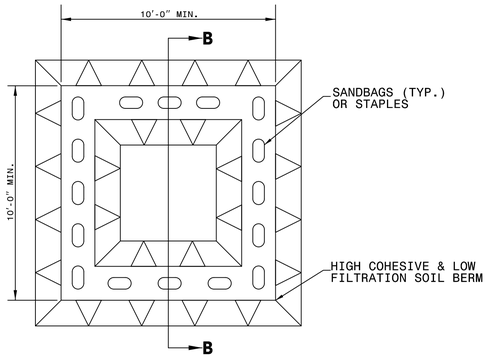
NOTES:

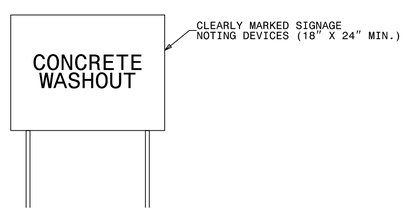
1. ACTUAL LOCATION DETERMINED IN FIELD.

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

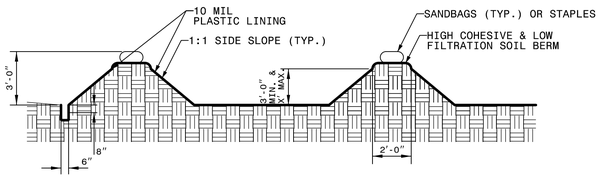
3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

BELOW GRADE WASHOUT STRUCTURE





PLAN



SECTION B-B

NOTES:

1. ACTUAL LOCATION DETERMINED IN FIELD.

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

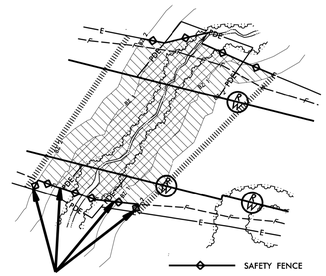
3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

ABOVE GRADE WASHOUT STRUCTURE

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-26

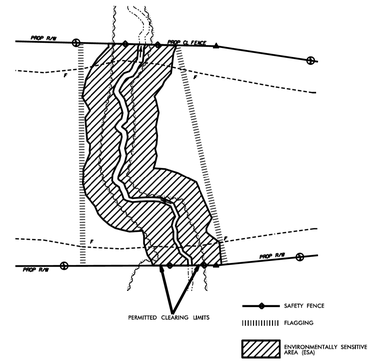
SAFETY FENCE DETAILS

JURISDICTIONAL STREAM – RIPARIAN BUFFER ZONE*

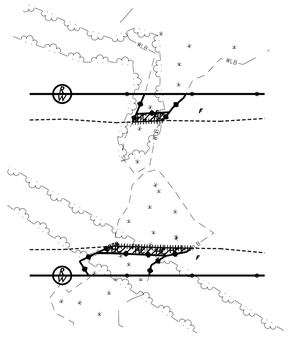


* – REFER TO PERMIT DRAWINGS FOR JURISDICTIONAL BOUNDARIES AND BUFFER ZONE IMPACTS

JURISDICTIONAL STREAM – ENVIRONMENTALLY SENSITIVE AREA (ESA) WITHOUT RIPARIAN BUFFERS

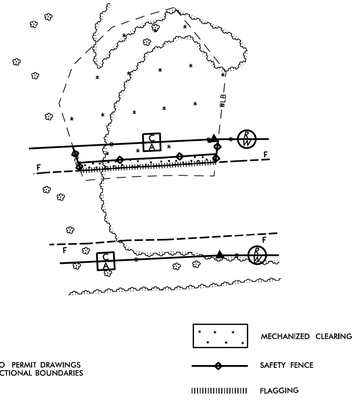


WETLAND – HAND CLEARING*



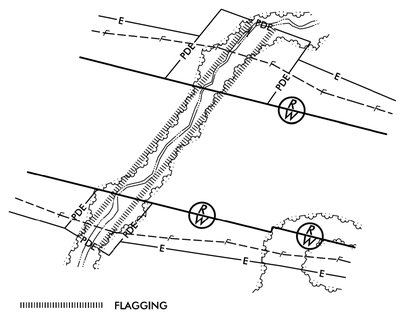
* – REFER TO PERMIT DRAWINGS FOR JURISDICTIONAL BOUNDARIES

WETLAND – MECHANIZED CLEARING*



* – REFER TO PERMIT DRAWINGS FOR JURISDICTIONAL BOUNDARIES

JURISDICTIONAL STREAM – NO HQW / NO BUFFER



PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING, SEE DETAIL EC-2G.

NOTE:
DO NOT DISTURB JURISDICTIONAL AREAS

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-4/CONST 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

SHENITA DEBERRY AND DANIEL DEBERRY
DB 3836 PG 464
PB A PG 50B
LOT 16

DAVID AARON FREED AND WIFE STEPHANIE FREED
DB 3744 PG 322
PB A PG 50B
LOT 15

FREDERICK M. BUNICK AND WIFE PATRICIA G. GABRIEL-BURNICK
DB 1639 PG 0293
PB A PG 50B
LOT 14

ERIK K ROWLETT AND WIFE ISABEL RUEDA ABAD
DB 6005 PG 222

ROBERT M. SULLIVAN JR AND WIFE SHARON L. SULLIVAN
DB 1653 PG 327

SIKES VAN HENERY AND LYNETTE G
PB A PG 50B
LOT 10

LUKENS JUDY E
DB 6706 PG 257
PB A PG 50B
LOT 11

RUSSELL DANNY K AND VIRGINIA
DB N/F PG N/F
PB A PG 50B
LOT 12

PHIFER BRENDA E
DB N/F PG N/F
PB A PG 50B
LOT 13

STALLINGS POINTE LLC
DB 7094 PG 100

MARK DAVID BROOME
DB 7235 PG 204

SITE 1

DUKE TO INSTALL POLE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

MCI TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

DUKE TO INSTALL POLE

MCI TO INSTALL HH

DUKE TO INSTALL POLE AND GUY ANCHOR

SAFETY FENCE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

WINDSTREAM TO INSTALL UG LINE

SEGRA TO INSTALL NEW UG LINE

MCNC TO INSTALL NEW UG LINE

SEGRA TO INSTALL HH

PNG TO INSTALL UG LINE

DUKE TO INSTALL POLE AND GUY ANCHOR

DUKE TO INSTALL OH LINE

DEPARTMENT OF TRANSPORTATOIN
DB 8501PG 0722

ANTONIOS K. PANOU
DB 91PG 697

JAMES HAMILTON TURNER, JR
DB 1524 PG 722

DANNY F. DUNN AND WIFE JENNIFER J. DUNN
DB 4142 PG 176
PB 7 PG 37A
LOT 2

BOLE HELENA B.
DB N/F PG N/F
PB A PG 37A
LOT 2

BRUCE R. MARX AND SPOUSE, LINDA L. MARX
DB 5944 PG 570

ALEXANDER J. POLITES
DB 6716 PG 554
PB 7 PG 37A
LOT 6

TIMOTHY L. SHERIN AND WIFE DAWN M. SHERIN
DB 4116 PG 792
PB 7 PG 37A
LOT 5

DAWN M. SHERIN
DB 4555 PG 151
PB 7 PG 37A
LOT 4

BENJAMIN A. GUTHRIE AND SPOUSE, KATHRYN E. GUTHRIE
DB 6762 PG 593

LINA M. ALEXANDER
DB 1169 PG 823

HAZEL FOSTER
DB N/F PG N/F

WILLIAM LARR
DB 377

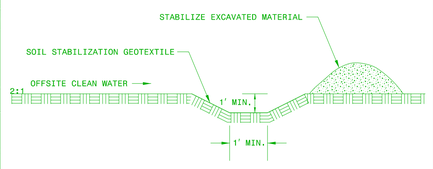
DUE
PUE
E
REM
PROP U/G COMMUN CABLES
PROP O/H POW & COMMUN LINES
PROP U/G GAS LINE
EXISTING R/W
PROP R/W
JS
F
ISBKD
ISBKBUS
ISFD

MATCHLINE -L- STA 17+00 (SHEET EC-5)

CLEAN WATER DIVERSION

CWD → CWD → CWD → CWD → CWD → CWD → CWD → CWD

(Not to Scale)



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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING, SEE DETAIL EC-2G.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-5/CONST 5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

MATCHLINE -L- STA 17+00 (SHEET EC-4)

MATCHLINE -L- STA 29+00 (SHEET EC-6)

MCI TO INSTALL HH
MCI TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL UG LINE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
PNG TO INSTALL UG LINE
SEGRA TO INSTALL NEW UG LINE
MCNC TO INSTALL NEW UG LINE
DUKE TO INSTALL OH LINE
SEGRA TO INSTALL HH

NOTE:
DO NOT DISTURB JURISDICTIONAL AREAS

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

9/21/2023
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-6/CONST 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA 29+00 (SHEET EC-5)

MATCHLINE -L- STA 43+00 (SHEET EC-7)

NAD 83/NA 2011

MCI TO INSTALL HH
OPEN FIBER TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
PNG TO INSTALL UG LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL OH LINE
WINDSTREAM TO INSTALL OH LINE
MCI TO INSTALL UG LINE
SEGRA TO INSTALL NEW UG LINE
MCNC TO INSTALL NEW UG LINE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
DUKE TO INSTALL POLL
MCNC TO INSTALL HH
SEGRA TO INSTALL HH
PNG TO INSTALL UG LINE
MCNC TO INSTALL UG LINE

NELSON O'NEAL & WIFE ANNA
DB 315 PG 568
PB 4 PG 103

MV COMMERCIAL 3901, LLC
DB 7206 PG 880
PB 4 PG 103

JOHN KENNETH HINSON
DB N/F PG N/F

JAMES EVERETTE HINSON
SUSAN H HINSON
DB 4186 PG 815

ELIZABETH QUILES
RENE QUILES
DB 5759 PG 740

WADE ARDETTE WILSON & WIFE LINDA H WILSON
DB 1138 PG 101

RHONE CARDS R US, INC.
DB 4700 PG 396

JERRY C LANEY HEIRS
DB 183 PG 76

LINDA W STINES
DB 1855 PG 369

FUTURE CHESTNUT CONNECTOR DESIGN BY OTHERS

PARK MEADOWS DEVELOPMENT, LLC

WAYNE PHILLIP COHEN AND WIFE WEND E. COHEN
DB 7919PG 472

MANTIS BILL AND ELISAVET H.
DB N/A

WINDEE SANDERSON
DB 5178 PG 285

JACALYN PRIVETT
DB 5727 PG 192

TOM GIANNIBIS
DB 5551PG 702

TOM GIANNIBAS AND WIFE HRISTOULA G. GIANNIBAS
DB 6704 PG 216

MEGHAN HELMS
DB_WI4E PG 135
PB 1PG 100

TONY A MILLER AND MARY ALICE
PB 1PG 100

ROBERT GARY LOVETTE AND DIANNA K
PB 1PG 100

DALE S. WALKER
DB 4582 PG 0022

TOWN OF INDIAN TRAIL
DB 6853 PG 55
PB 1PG 100

JAMES L. INNIS
DB 4830 PG 266

JO ANN WEST AND HUSBAND JAMES W. WEST IV
DB 3463 PG 318

JOHN IFASTJE
DB 926 PG 697

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

7/1/2023
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-7/CONST 7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 43+00 (SHEET EC-6)

MATCHLINE -L- STA 57+00 (SHEET EC-8)

1.5 inch Skimmer with 0.375 inch Orifice Diameter 7 ft. weir with 2.5 ft. weir height ID 7.5 (See Earthen Dam with Skimmer Detail)

20 x 10 x 3
ID 7.1, 7.2, 7.3

20 x 10 x 3
ID 7.4

DUKE TO INSTALL POLES
DUKE TO INSTALL POLE
DUKE TO REPLACE POLE
CONTERRA TO INSTALL HH
CONTERRA TO INSTALL UG LINE
MCI TO INSTALL UG LINE
MCI TO INSTALL HH
OPEN FIBER TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
SEGRA TO INSTALL HH
SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
PNG TO INSTALL UG LINE
WINDSTREAM TO INSTALL UG LINE
WINDSTREAM TO INSTALL OH LINE

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

7/1/2023
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CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 8

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE: CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE: ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE: USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-8/CONST 8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 57+00 (SHEET EC- 7)

MATCHLINE -L- STA 70+00 (SHEET EC-9)

JAMES HENRY NANCE & JUNE DB 1473 PG 786 PB 56 PG 36

JANICE W PRYETTE DB 1665 PG 001

RITAK RETAIL LLC DB 5544 PG 865 PB F PG 687

GEORGE ATHANS AND WIFE DENISE P. ATHANS DB 439 PG 87 PB 6 PG 36

SUBHASYS ESTATES LLC DB 6757 PG 593 PB F PG 687

INDIAN TRAIL PROPERTIES DB 1309 PG 054 PB F PG 687

WILLIAMS HARRIS PROPERTIES LLC DB 5813 PG 892

HENDLEY-BREWER PROPERTIES DB 773 PG 520

GREGORY PLAZA LLC DB 1717 PG 511

GEORGE ANTHANS AND WIFE DENISE P. ANTHANS DB 831

ALPHA OMEGA DEVELOPMENT INC DB 4373 PG 786

RUSHING CONSTRUCTION DB 245 PG 434

INDIAN TRAIL PLAZA LLC DB 5260 PG 305

J.J. CLARK, JR. STEPHEN G. SIMMS TONY A. WENDELL

TWO COUSINS PROPERTIES, LLC DB 4362 PG 003

CAH HOLDINGS LLC DB 6614 PG 261

CAH HOLDINGS LLC DB 4356 PG 001

BOULEVARD EAST LLC DB 4432 PG 042

OLD MONROE RD SR 1009

CONTERRA TO INSTALL HH

CONTERRA TO INSTALL UG LINE

PNG TO INSTALL UG LINE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLES

CONTERRA TO INSTALL HH

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

DUKE TO INSTALL POL

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-9/CONST 9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 70+00 (SHEET EC-8)

MATCHLINE -L- STA 84+00 (SHEET EC-10)

CONTERRA TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
LUMEN TO INSTALL UG LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
DUKE TO INSTALL POLE
CONTERRA TO INSTALL UG LINE
CONTERRA TO INSTALL HH
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
DUKE TO INSTALL POLE
CONTERRA TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLES
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
PNG TO INSTALL UG LINE
SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
MCI TO INSTALL UG LINE
PNG TO INSTALL UG LINE
SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
MCI TO INSTALL UG LINE
DUKE TO INSTALL POLE

77 UNION MEMORIAL HOSPITAL INC DB 465 PG 758
78 SANDRA E PETERSON WENDY D EDWARDS DB 5469 PG 578 PB 4 PG 149
79 SHARON PRICE JOYCE PRICE DB 5957 PG 004
80 LOT 2 WALLACE CROWELL DB N/F PB N/F PB 4 PG 149
81 BILL DB PG
83 RD TWO LLC
84 JORDAN'S PLACE LLC DB 5260 PG 303 PB D PG 160
86 TAE KYU PARK OH SEON PARK DB 1330 PG 628 PB D PG 160
87 STALLINGS VOLUNTEER FIRE DEPARTMENT INC. DB 1094 PG 701 PB E PG 413
88 ROGER MAC HELMS
89 BARBARA HELMS DB 561PG 448
90 CREEKSIDE BIBLE CHURCH DB 5572 PG 280
76 FAMILY TYME LLC DB 5910 PG 147 PB L PG 810
WILLIAMS HARRIS PROPERTIES LLC DB 5813 PG 892

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

20 x 10 x 3
ID 10.1

46 x 23 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 10.6

18" RCP

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

DUKE TO INSTALL POLE

SEGRA TO INSTALL UG LINE

MCNC TO INSTALL UG LINE

MCI TO INSTALL UG LINE

PNG TO INSTALL UG LINE

MATCHLINE -L- STA 84+00 (SHEET EC-9)

MATCHLINE -L- STA 97+00 (SHEET EC-11)

OLD MONROE RD
SR 1009

SAMPSON RD

DENISE KILLOUGH WINDHAM
BRIAN NEAL WINDHAM
DB 4031 PG 737

RAY B KILLOUGH
DB 5106 PG 656

RALPH KILLOUGH
DB N/F PG N/F

RAY BERNARD KILLOUGH
DB 3646 PG 330
REFERENCE MADE TO THIS DEED BUT NO DESCRIPTION FOUND

LOT C P CROWELL
N/F DB N/F
4 PG 149

HUNEYCUTT HOLDING CO LLC
DB 5106 PG 659

WAXHAW VENTURES LLC
DB 6874 PG 706

KENNETH GANTZ
NO INFO FOUND

LOT 4
ROBERT E JOHNSON
SALLY H JOHNSON
DB 1105 PG 848
PB B PG 158-B

LOT 3
JERRY B HUNEYCUTT
PB B PG 158-B

LOT 2
AKN HOLDINGS LLC
PB B PG 158-B

SEASIDE BIBLE CHURCH
DB 5572 PG 280

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NAD 83/NA 2011

STV Engineers, Inc.
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NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-10/CONST 10
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-11/CONST 11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 97+00 (SHEET EC-10)

MATCHLINE -L- STA 110+00 (SHEET EC-12)

RAY BERNARD KILLOUGH
JUDITH G KILLOUGH
DB 3646 PG 330

RAY BERNARD KILLOUGH
DB 3646 PG 330
REFERENCE MADE TO THIS DEED BUT NO DESCRIPTION FOUND

MILO RUFUS KILLOUGH AND WIFE
SALLY JORDAN KILLOUGH
DB 755 PG 527

LEE MARGETT
DB 725 PG 577
NO DESCRIPTION FOUND
PARCEL ID 0708T019

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

CONTERRA TO INSTALL HH

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

WINDSTREAM TO INSTALL POLE

DUKE TO INSTALL POLE

WINDSTREAM TO INSTALL POLE

DUKE TO INSTALL POLE

WINDSTREAM TO INSTALL POLE

WINDSTREAM TO INSTALL POLE

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

40 x 15 x 3
ID 11.3

40 x 15 x 3
ID 11.2

50 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
6 ft. weir
ID 11.1

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

PNG TO INSTALL UG LINE

SEGRA TO INSTALL UG LINE

MCNC TO INSTALL UG LINE

MCI TO INSTALL UG LINE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

SEGRA TO INSTALL UG LINE

MCNC TO INSTALL UG LINE

MCI TO INSTALL UG LINE

PNG TO INSTALL UG LINE

S MICHELLE BRATTAIN
DB 4098 PG 641

LOT 1
AKN HOLDINGS LLC
DB 6161 PG 188
PB B PG 158-B

CHERYL BLANCHARD
DB 5230 PG 821

WOODROW L BLANCHARD
DB 5532 PG 730
PB L PG 418

FLOYD MRUGALSKI
JOYCE MRUGALSKI
JEFFERY MRUGALSKI
DB 4766 PG 501
PB 6 PG 30

LOT 2
LOUISE M MONGILLO
MARIE L MONGILLO
DB 1843 PG 856
PB 6 PG 30

HEATH & [illegible]
PB 6 PG 30

LOT 60
STEWART MARSH FOX
A MARSH F FOX
524 PG 81
PB 6 PG 30

ALAN N KINGSMORE
BRENDA B KINGSMORE
DB 1238 PG 178

TRACT 1
EVELYN A MILLER
DB 6702 PG 539

OLD MONROE RD
SR 1009

Elv. 670.06
L STATION
107+63.50

Elv. 670.12
L STATION
107+54.89

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-12/CONST 12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 110+00 (SHEET EC-11)

MATCHLINE -L- STA 122+00 (SHEET EC-13)

CONTERRA TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
DUKE TO INSTALL POLE
WINDSTREAM TO INSTALL POLE
DUKE TO INSTALL POLES
SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
MCI TO INSTALL UG LINE
PNG TO INSTALL UG LINE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
CONTERRA TO INSTALL HH
WINDSTREAM TO INSTALL UG LINE & HH
MCNC TO INSTALL HH
SAFETY FENCE

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
DO NOT DISTURB JURISDICTIONAL AREAS

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

MATCHLINE -Y15- (SEE INSET)

MATCHLINE -Y15-

OLD MONROE RD
SR 1009

HWY 74
SR 1417

JOHN V & JUDY M MCHAN
DB 5518 PG 531
PB B PG 31-A
REFERENCE PLAT NOT FOUND
NO DESCRIPTION FOUND

NO INFO FOUND FOR MARIE DEESE HEIRS OR FOR ARTHUR E DEESE
PARCEL# 07087016

LOT 45 JOHN WASYLUK NOEMI C WASYLUK DB 4647 PG 847 PB 6 PG 30

LOT 46 JAMES HUNTLEY JR PB 6 PG 30

LOT 47 JOHN WESLEY KUHN LINDA DARLENE KUHN DB 4637 PG 293 PB 6 PG 30

LOT 48 JBO PROPERTIES LLC DB 6728 PG 824 PB 6 PG 30

BETTY H. NEWELL DB NF PG NF PB 6 PG 30

LOT 43 NATHAN J GREENE NO DEED ASSOCIATED W\ PARCEL 07114189 PB 6 PG 30

LOT 42 NEW PATH PROPERTIES INC DB 6856 PG 303 PB 6 PG 30

LOT 29 JONATHAN R WELCH KELLY A TRAHEY DB 5958 PG 816 PB D PG 634

JENNA MCDANIEL DB 5619 PG 797 PB D PG 634

BRANDON OAKS COMMUNITY ASSOCIATION PB D PG 550

REBECCA MOSEY DB 5744 PG 710 PB D PG 634

JAMES ARTHUR BRADLEY & MARY MB 5 PG 120

ANTHONY ISENHOUR SARAH ISENHOUR DB 3693 PG 765

BESSIE MORRISON PB 6 PG 30

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-13/CONST 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 122+00 (SHEET EC-12)

MATCHLINE -L- STA 135+00 (SHEET EC-14)

CAROLYN A MANUS
MB 5 PG 120

JAMES ARTHUR BRADLEY & MARY
MB 5 PG 120

DAVID E GEORGE
DB 6912 PG 907

DAVID GEORGE
PROPERTY DESCRIBED IN DB6718 PG 544
IS NOT THIS PROPERTY

GRACE BAPTIST CHURCH
NO DEED OR PLAT
FOR PARCEL 0708701I3

GRACE BAPTIST CHURCH
NO DEED OR PLAT
FOR PARCEL 0708701I2

BILLY RAY & DORIS BOYD
NO DEED FOUND

APS INDIAN TRAIL LLC
DB 4914 PG 780

OLD MONROE RD
SR 1009

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

WINDSTREAM TO INSTALL OH LINE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

DUKE TO INSTALL POLE

SEGRA TO INSTALL UG LINE

MCNC TO INSTALL UG LINE

MCI TO INSTALL UG LINE

PNG TO INSTALL UG LINE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

DAVID M PRIVETTE
DB 1282 PG 699

WALTON C JOHNSON
HESTA T JOHNSON
DB 1173 PG 182

NFM PROPERTIES, LLC
DB 8323 PG 515

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING, SEE DETAIL EC-2G.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-14/CONST 14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 135+00 (SHEET EC-13)

MATCHLINE -L- STA 147+00 (SHEET EC-15)

RADIATOR DR
SR 1314

OLD MONROE RD
SR 1003

139
INDIAN TRAIL SLIM C'S LLC
DB 8428 PG 611

139A
SVBP @ RADIATOR LLC.
DB 7132 PG 033

138
APS INDIAN TRAIL LLC
DB 4914 PG 780

131
BILLY RAY & DORIS BOYD
NO DEED FOUND

140
KIMBERLY ANN OCCHIPINTI
FRANCESCO MICHAEL OCCHIPINTI
DB 5939 PG 813

141
KVP HOLDINGS LLC
DB 5495 PG 0814

136
NFM PROPERTIES, LLC
DB 8323 PG 515

WILLIAM E. HARDING AND WIFE
PATRICIA K HARDING
DB 6040 PG 406

DUKE TO INSTALL POLE
CONTERRA TO INSTALL HH
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
CONTERRA TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
DUKE TO INSTALL POLE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

TH 40
Elv. 657.44
Y18 STATION
12+57.80
22.67

TH 41
Elv. 657.70
STATION
10+70.70

MCI TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
SEGRA TO INSTALL UG LINE
PNG TO INSTALL UG LINE

30 x 15 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
13 ft. weir
ID 14.1

SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
MCI TO INSTALL UG LINE
PNG TO INSTALL UG LINE

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-15/CONST 15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 15

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING, SEE DETAIL EC-2G.

NAD 83/NA 2011

MATCHLINE -L- STA 147+00 (SHEET EC-14)

MATCHLINE -L- STA 161+00 (SHEET EC-16)

SITE 3

32 x 16 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
4 ft. weir
ID 15.3

32 x 16 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
4 ft. weir
ID 15.2

CONTERRA TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL TEMP POLE
DUKE & WINDSTREAM TO INSTALL OH LINES
PNG TO INSTALL UG LINE
SAFETY FENCE
MCI TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
SEGRA TO INSTALL UG LINE
CONTERRA TO INSTALL HH
SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
MCI TO INSTALL UG LINE

NOTE:
DO NOT DISTURB JURISDICTIONAL AREAS

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

TH 42
Elv. 661.01
Y19 STATION
12+92.66
124

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stephesc

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NAD 83/NA 2011

stv
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-16/CONST 16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA 161+00 (SHEET EC-15)

MATCHLINE -L- STA 175+00 (SHEET EC-17)

STANLEY REID EFIRD
DOROTHY JEAN EFIRD
DB 4770 PG 290
PB 7 PG 22

JAMES WALLACE
TINA WALLACE
DB 1393 PG 024
PB 7 PG 22

WILLIAM L & DIANA L PRICE
PB 7 PG 22

CHARLES FRANKLIN BURGESS AND ANITA BURGESS
PB 7 PG 22

MONICA RODRIGUEZ
DB 6784 PG 208
PB 7 PG 22

PETE AND REBECCA HOSSIKOS
PB 7 PG 22

WILLIAM J MCCALLUM, III
DB 1209 PG 112
PB 7 PG 22

SUN VALLEY COMMONS LLC
PB M PG 736

SUN VALLEY COMMONS LLC
PB L PG 735

MP INDIAN TRAIL NC LLC
DB 6[illegible] PG [illegible]

FIRST TRACT
LINDA OGRODNICK
DB 9515 PG 704

SECOND TRACT
LINDA OGRODNICK
DB 9515 PG 704

SUN VALLEY STATION, LLC
DB 8026 PG 782
PC P FILE 643

MUSTANG PARK LLC
DB 5745 PG 303

ATHANASIOS P KAKOURAS
DB 4747 PG 632

NORTH CAROLINA INDIAN ALCOHOLIC BEVERAGE CONTROL BOARD
DB 818 PG 729
PC P FILE 643

OLD MONROE RD

SUN VALLEY BLVD

DUKE TO INSTALL UG POWER CABLE
DUKE TO INSTALL POLE
DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
CONTERRA TO INSTALL UG LINE
AT&T TO INSTALL UG LINE
OPEN FIBER TO INSTALL UG LINE
CONTERRA TO INSTALL HH
DUKE TO INSTALL UG POWER CABLES
DUKE TO REPLACE POLE
DUKE TO INSTALL POLES
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
PNG TO INSTALL UG LINE
MCI TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
SEGRA TO INSTALL UG LINE
DUKE TO INSTALL POLE
20 x 10 x 3
ID 16.1
DUKE TO INSTALL POLE
DUKE TO INSTALL POLE
SEGRA TO INSTALL UG LINE
MCNC TO INSTALL UG LINE
MCI TO INSTALL UG LINE
PNG TO INSTALL UG LINE

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

7/1/2023
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STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-17/CONST 17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 17

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

MATCHLINE (SHEET EC-18)

NAD 83/NA 2011

MATCHLINE -Y22- STA 11+50 (SHEET EC-18)

MATCHLINE -L- STA 175+00 (SHEET EC-16)

MATCHLINE -L- STA 189+00 (SHEET EC-19)

SUN VALLEY COMMONS DR #2

SUN VALLEY COMMONS LLC
PB J PG 958

SCOJO COMMERCIAL INVESTMENTS LLC
DB 6944 PG 491
PB J PG 958

FFC LIMITED PARTNERSHIP
DB 8564 PG 2
PB 1PG 878

SUN VALLEY COMMONS LLC
PB M PG 736

MP INDIAN TRAIL NC LLC
DB 6490 PG 609
PB M PG 736

INDIAN TRAIL RETAIL CENTER LLC
DB 6550 PG 602
PB K PG 415

IANA COLLINS TRUSTEE
DB 5856 PG 831
PB J PG 958

SUN VALLEY INVESTMENTS LLC
DB 4817 PG 089
PB 1PG 878

PARKVIEW INDIAN TRAIL, LLC
DB 8317 PG 65
PB 1PG 878

SHANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

NIKSONS, LLC
DB 1486 PG 108

MUSTANG PARK LLC
DB 5745 PG 303

J.M. WALLACE LAND COMPANY, LLC
DB 6082 PG 0750

UNION COUNTY BOARD OF EDUCATION
DB 5463 PG 0540

OLD MONROE RD
SR 1009

US ANG @ SR 1009 NB

CONTERRA TO INSTALL HH

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

CONTERRA TO INSTALL HH

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLES

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

PNG TO INSTALL UG LINE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

SEGRA TO INSTALL UG LINE

MCNC TO INSTALL UG LINE

MCI TO INSTALL UG LINE

SEGRA TO INSTALL HH

MCNC TO INSTALL HH

PNG TO INSTALL UG LINE

EXISTING SEGRA HH TO BE MOVED BACK TO EDGE OF ROW

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

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CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 17A

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

SEE INSERT A
-Y22- 2+50 (THIS SHEET)

1.5 inch Skimmer with 0.375 inch Orifice Diameter 10 ft. weir with 2.0 ft. weir height ID 17A.1 (See Earthen Dam with Skimmer Detail)

INSERT A

SUN VALLEY COMMONS, LLC
DB NA PG NA
PB 1PG 878

MHG HOLDINGS, LLC
DB 6646 PG 848

RP3 TABLE ROCK, LLC
DB 6198 PG 877
PB 1PG 878

SUN VALLEY COMMONS LOT 4, LLC
DB 6876 PG 805
PB 1PG 878

SUN VALLEY COMMONS LLC
PB 1PG 878

205 CALM INVESTMENT GROUP LLC
DB 4500 PG 454
PB 1PG 878

206 HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

207 B-F UNION PROPERTIES, LLP
DB 4938 PG 344

SCOJO COMMERCIAL INVESTMENTS LLC
DB 6944 PG 491
PB J PG 958

204 FFC LIMITED PARTNERSHIP
DB 8564 PG 2
PB 1PG 878

LIQUID MANAGEMENT, LLC
DB 3676 PG 808
208
209
LIQUID MANAGEMENT, LLC
DB 3676 PG 808

176 HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

MATCHLINE (SHEET EC-17)

MATCHLINE -Y22- STA 11+50 (SHEET EC-17)

MATCHLINE (SHEET EC-19)

NAD 83/NA 2011

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-18/CONST 17A
RW SHEET NO.	

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-19/CONST 18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 18

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE: ALL JURISDICTIONAL STREAMS AND WETLANDS TO BE DELINEATED WITH ORANGE SAFETY FENCE PRIOR TO CLEARING AND GRUBBING, SEE DETAIL EC-2G.

NAD 83/NA 2011

MATCHLINE (SHEET EC-18)

MATCHLINE (SHEET EC-18)

MATCHLINE -L- STA 189+00 (SHEET EC-17)

MATCHLINE -L- STA 203+00 (SHEET EC-20)

SITE 4

NIKSONS, LLC
DB 1488 PG 108

ANN NIKOPOULOUS
DB 5508 PG 117

HANFIELD HOLDINGS, LLC
DB 8399 PG 766
PB N PG 831

DHRUVAN REAL ESTATE HOLDINGS, LLC
DB 8399 PG 42
PB N PG 831

THE SHOPPES AT HANFIELD
CLASS, LLC
DB N/F PG N/F

INDIAN TRAIL SLIM C'S LLC
GREASE DB 8428 PG 611
TRAP (2)
PB N PG 831

WHTRG PROPERTIES LLC
DB 7906 PG 109

UNION COUNTY BOARD OF EDUCATION
DB 5950 PG 0162

CATAMOUNTAINEER INVESTMENTS LLC
DB 5760 PG 438

STEVEN MICHAEL SMITH
DB N/F PG N/F

DAVID E. RUSSELL & DORRIS A. RUSSELL
DB 3482 PG 785

DAVID E. RUSSELL & DORRIS A. RUSSELL
DB 3482 PG 787

ERVIN L. PRESSLEY
DB 242 PG 488

FRANKLIN VICTORY, JR.
DB 366 PG 851

OLD MONROE RD
SR 1005

SAFETY FENCE

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

DUKE TO INSTALL POLE

PNG TO INSTALL UG LINE

MCI TO INSTALL UG LINE

DUKE, CHARTER, LUMEN, WINDSTREAM TO INSTALL OH LINE

MCNC TO INSTALL UG LINE

SEGRA TO INSTALL UG LINE

DUKE TO INSTALL UG POWER CABLE

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NOTE: CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE: ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE: USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE: DO NOT DISTURB JURISDICTIONAL AREAS

7/19/2023
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-20/CONST 19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -L- STA 203+00 (SHEET EC-19)

ANDY MING-TAO HUANG AND WIFE, JUDY HSIU LAN HUANG
DB 6705 PG 229

THOMAS JACKSON HANEY, III IRREVOCABLE TRUST
DB 6164 PG 113

STAMBOLITIS JOHN K &WIFE STEPHANIE
DB 1108 PG 0747

DEBORAH S FAULKNER
DB N/F PG N/F

DEBORAH S FAULKNER & BILLE ANNE SPRINGS NORRIS
DB 5254 PG 584

SANDRA JONES BECK A ONE-HALF UNDIVIDED INTREST
C/O HAZEL C. ROBERTS
DB 4462 PG 0205

SANDRA JONES BECK
DB 4462 PG 0202

OLD MONROE RD SR 1009

CONTERRA TO INSTALL UG LINE

AT&T TO INSTALL UG LINE

OPEN FIBER TO INSTALL UG LINE

WINDSTREAM TO INSTALL OH LINE

DUKE POLE TO REMAIN

SEGRA TO INSTALL UG LINE

MCNC TO INSTALL UG LINE

MCI TO INSTALL UG LINE

PNG TO INSTALL UG LINE

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

NED D. KNIGHT AND STELLA S. KNIGHT
DB 242 PG 758

NED D. KNIGHT AND STELLA S. KNIGHT
DB 732 PG 480

NED D. KNIGHT AND STELLA S. KNIGHT
DB 732 PG 480

NED D. KNIGHT AND STELLA S. KNIGHT
DB 1960 PG 438

DEBORAH AINTRAZI
DB 6584 PG 662

DOUGLAS WAYNE KNIGHT& CHRISTY M. KNIGHT
DB 1960 PG 438

SERAFIM K PANOU
DB 1044 PG 705

ANTONIOS PANOU
DB 1044 PG 707

LOUISE STREATER
DB 14958 PG 718

JOHNI HALEEM AND JOSEPH HABIB YANNI
DB 6754 PG 783

STEVEN SCINTO
DB 5365 PG 0056

VIRGILIO CRUZ SERRANO & ALEJANDRINA BALON PALAOIS
DB 3322 PG 142

US SFE ASSET COMPANY 4 LLC
DB 6646 PG 239

GILLESPIE LLC
DB 5728 PG 868

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714B	EC-21/CONST 20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCHLINE -Y10- STA 17+00 (SHEET EC-8)

CUBE HHF LIMITED PARTNERSHIP
DB 6148 PG 251

TAE KYU PARK AND SPOUSE
OH SEON PARK AND MEE AE PARK
DB 6216 PG 151

JDH MANAGEMENT, LLC
DB 6662 PG 672
PB D PG 893

SOUTHERN EQUIPMENT COMPANY INC
DB 4467 PG 487

DAVID WINDELL CUNNINGHAM
DB 6554 PG 347

MICHAEL O RADESKY AND WIFE
PAMELA G RADESKY
DB 5161 PG 339

ROBERT CHARLES MULLIS
ROBIN S MULLIS
DB 1198 PG 740

ALPHA OMEGA LAND DEVELOPMENT INC
DB 4373 PG 786

WAXHAW INDIAN TRAIL RD SR 1008

WINDSTREAM TO INSTALL OH LINE

PNG TO INSTALL UG LINE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

DUKE TO INSTALL POLE

NOTE:
CONTRACTOR TO DETERMINE LOCATION OF SEDIMENT CONTROL FENCE OUTLETS

NOTE:
ADD J-HOOK AT END OF EACH SILT FENCE SECTIONS TO PREVENT RUNOFF BYPASS

NOTE:
USE SPECIAL STILLING BASIN (SILT BAG) FOR ALL TRENCH DEWATERING ACTIVITIES

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C IN AREAS WHERE WATER MAY POND ON ROADS OPEN TO TRAFFIC OR AS DIRECTED.

NOTE:
ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

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