

WBS ELEMENT: 3601.3.11

CONTRACT NO.: DA00255

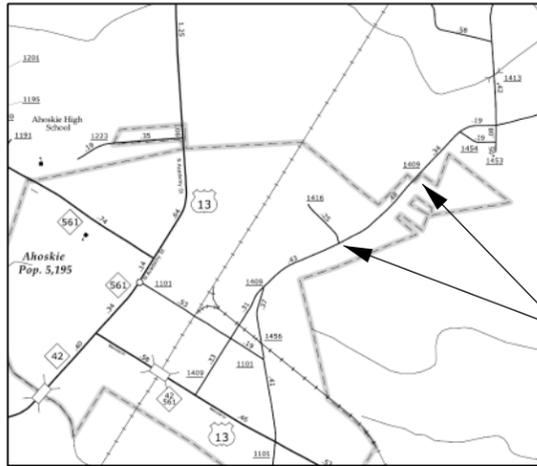
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

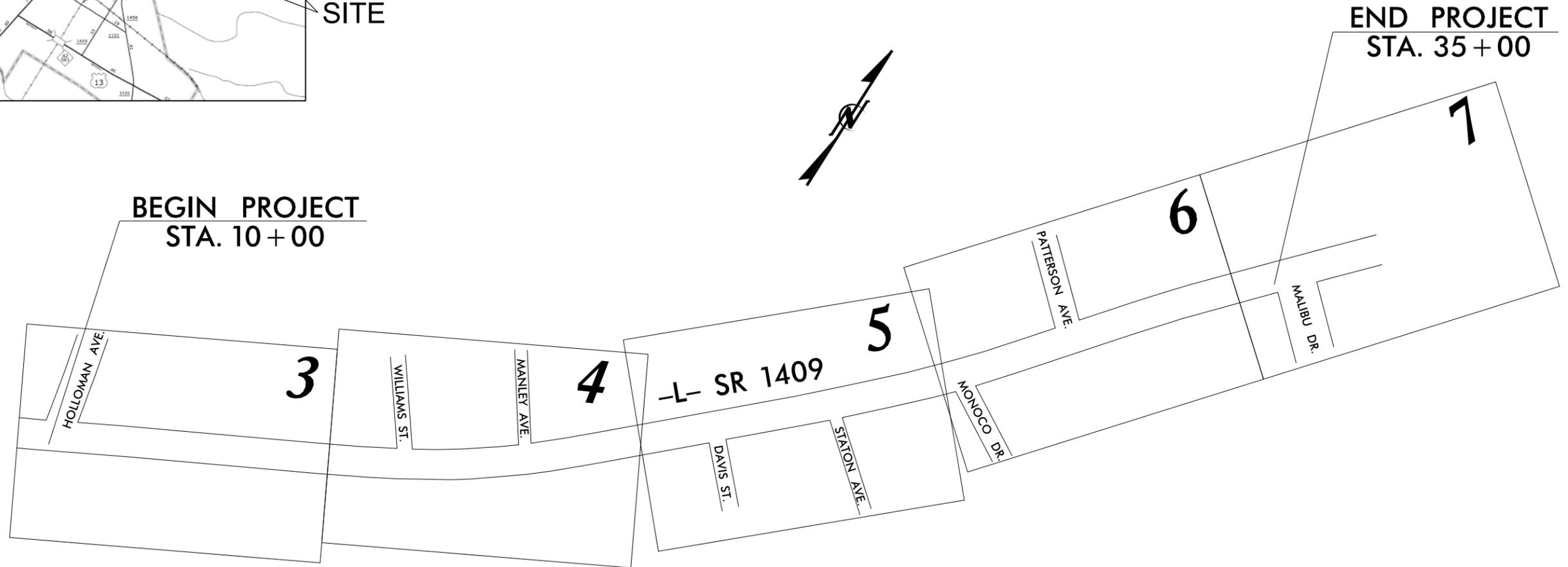
LOCATION: SR 1409 FROM SR 1416 TO MALIBU DRIVE

TYPE OF WORK: CONCRETE SIDEWALK AND CURB RAMPS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	3601.3.11	1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
3601.3.11	000S-424	CONST.



SITE



GRAPHIC SCALES

PLANS: 1" = 40'

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT: 0.47 MI.

Prepared In the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

W.B. HOBBS, P.E.
DIVISION PROJECT MANAGER

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



INDEX OF SHEETS

<u>SHEET NUMBER</u>	<u>SHEET</u>
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
2 THRU 2-D	TYPICAL SECTIONS AND DETAILS
3	SUMMARY OF QUANTITIES
4 THRU 8	PLAN SHEETS

THE FOLLOWING ROADWAY STANDARDS AS THEY
APPEAR IN THE "ROADWAY STANDARD DRAWINGS" ARE
APPLICABLE TO THIS PROJECT AND BY REFERENCE
HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STANDARD DRAWINGS 2012

<u>STD. NO.</u>	<u>TITLE</u>
	<u>DIVISION 8 - INCIDENTALS</u>
846.01	CONCRETE CURB, GUTTER, AND CURB & GUTTER
848.01	CONCRETE SIDEWALK
848.03	DRIVEWAY TURNOUT
848.06	CURB RAMPS WITH EXISTING CURB & GUTTER
1633.01	MATTING INSTALLATION

GENERAL NOTES

SUBSURFACE PLANS:

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

CURB RAMPS:

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH DETAIL SHEETS AND STD. 848.06.

SIDEWALK CONSTRUCTION:

SAW CUT AND REMOVAL OF EXISTING ASPHALT/CONCRETE DRIVEWAYS SHALL BE INCIDENTAL TO THE LINE ITEM "4" CONCRETE SIDEWALK". MOVING EXISTING MAILBOXES SHALL ALSO BE INCIDENTAL TO THIS LINE ITEM.

CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND IS INCIDENTAL TO THE "4" CONCRETE SIDEWALK" LINE ITEM

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	○
Property Corner	-----
Property Monument	EDM
Parcel/Sequence Number	123
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	MLB
Proposed Wetland Boundary	MLB
Existing Endangered Animal Boundary	EAB
Existing Endangered Plant Boundary	EPB
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	?? ??

BUILDINGS AND OTHER CULTURE:

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

RAILROADS:

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

RIGHT OF WAY:

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

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	C
Proposed Slope Stakes Fill	F
Proposed Curb Ramp	CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	▭
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	⊕
Storm Sewer	S

UTILITIES:

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

TELEPHONE:

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

WATER:

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

TV:

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

GAS:

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

SANITARY SEWER:

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

MISCELLANEOUS:

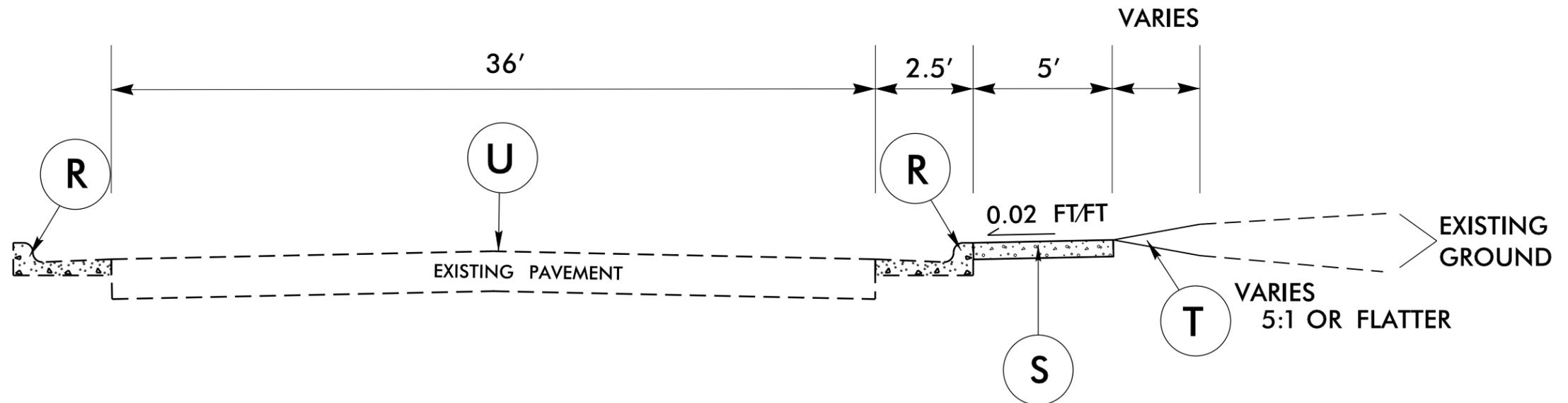
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	TUTL
U/G Tank; Water, Gas, Oil	▭
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	▭
Geoenvironmental Boring	⊕
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility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

P A V E M E N T S C H E D U L E

R	EXISTING CONCRETE 2'-6" CURB & GUTTER
S	PROPOSED 4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT

NOTES:

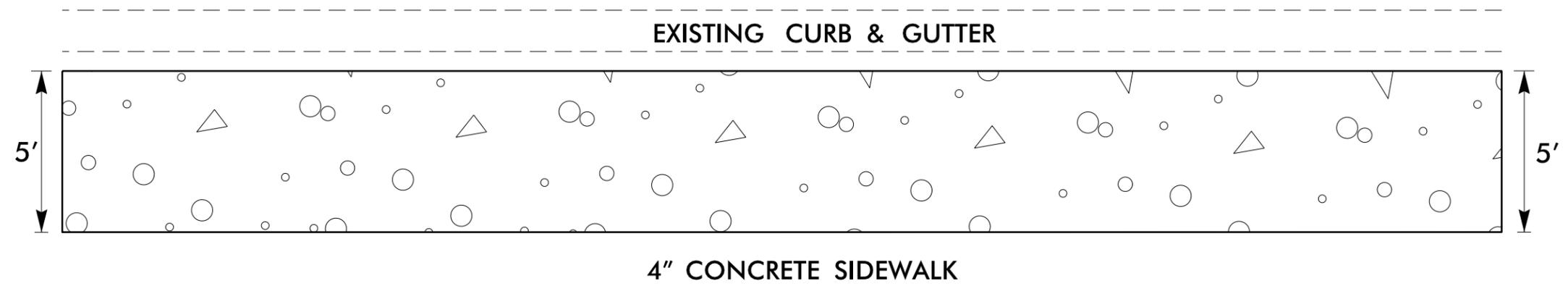
- * BACK SLOPES SHOULD TIE INTO NATURAL GROUND AT A 5:1 OR FLATTER OR AS DIRECTED BY THE ENGINEER.
- * WHEN TYING PROPOSED SIDEWALK INTO EXISTING DRIVEWAYS THE MINIMUM CROSS SLOPE (2%) OF THE SIDEWALK SHALL BE MAINTAINED. PARALLEL RAMPS (12:1 MAX SLOPE) ON EACH SIDE OF DRIVEWAY SHALL BE USED. IF NECESSARY, ADDITIONAL SIDEWALK CAN BE ADDED BEYOND LIMITS SHOWN ON PLANS TO ACHIEVE PROPER CROSS SLOPE AS DIRECTED BY THE ENGINEER.



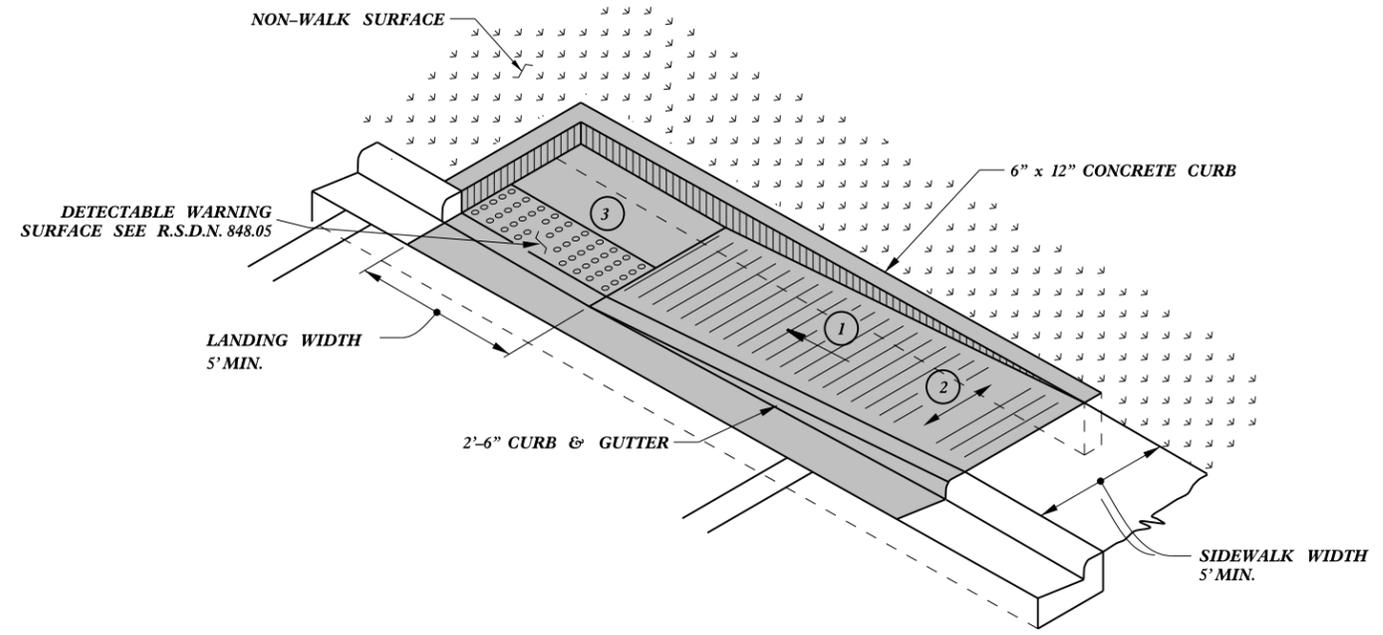
TYPICAL SECTION NO. 1

NTS

SIDEWALK PLAN DETAIL

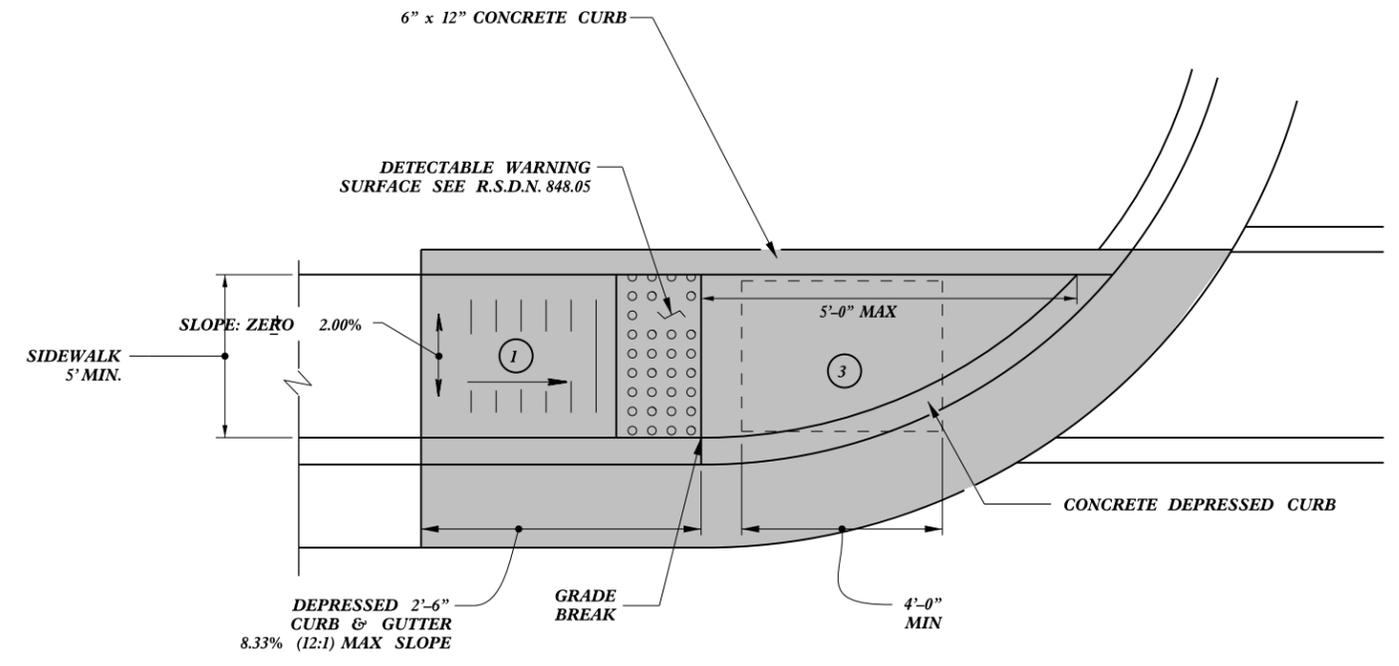


NTS



 PAY LIMITS FOR CURB RAMP

TYPE 1A



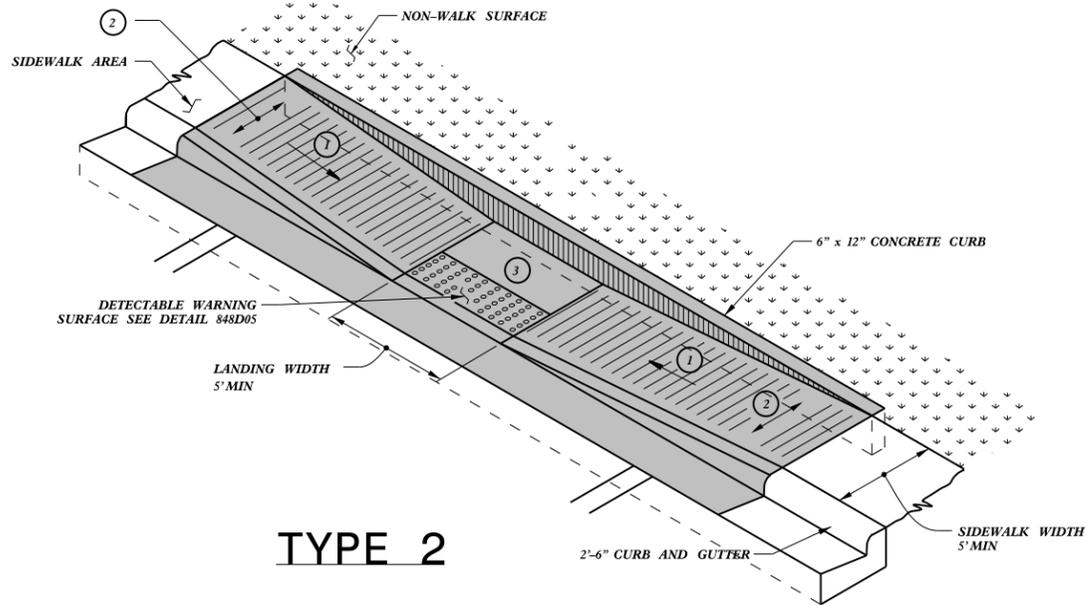
TYPE 1

- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Directional Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: sstds/2012CurbRamp/CurbRampDetails.dwg	

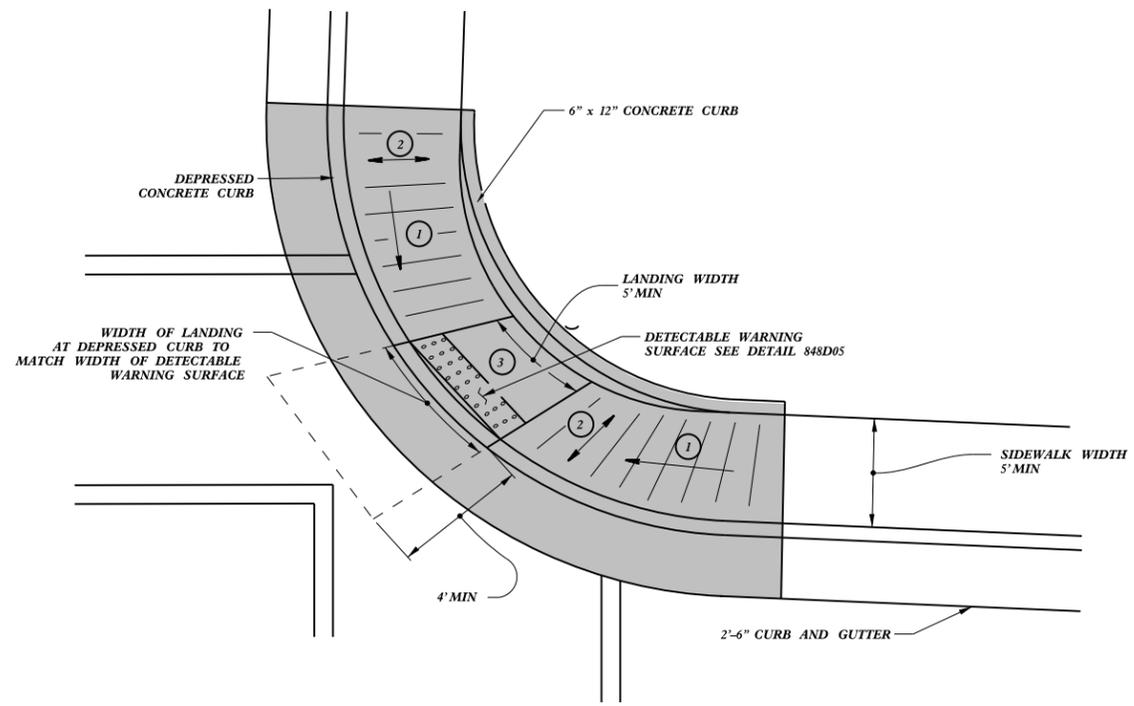
23-MAR-2012 15:05
 C:\Users\jhowerton\Documents\Standard Drawings\2012 Standard Drawings\Curb Ramp Special Details\Curb Ramp Details.dwg
 J.Howerton



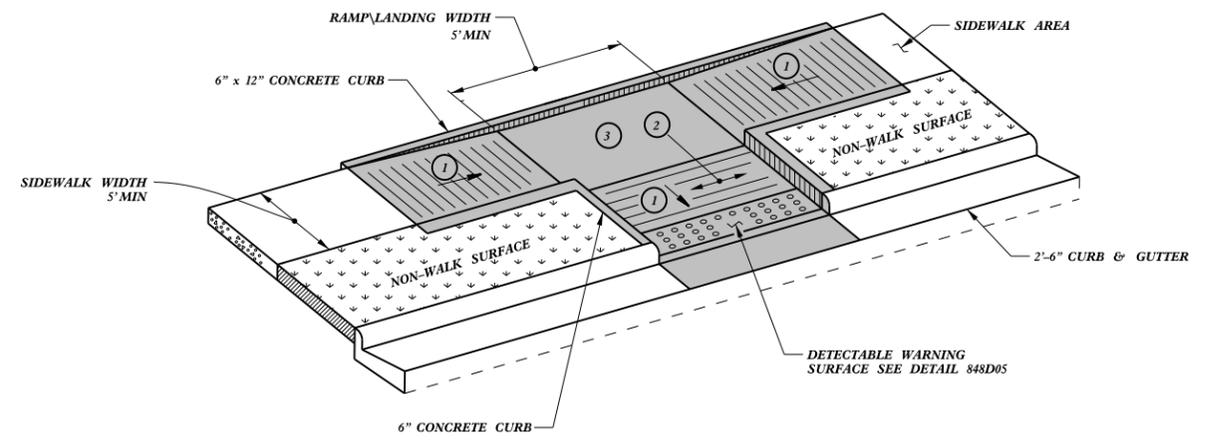
TYPE 2

PAY LIMITS FOR CURB RAMP

- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



TYPE 2A



TYPE 3

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Parallel Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: s:stds/2012CurbRamp/CurbRampDetails.dwg	

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

23-MAR-2012 15:07 C:\Contracts\Special Details\2012 Standard Drawings\Curb Ramp Special Details\Curb Ramp Details.dwg J.Howerton AT 05023750

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

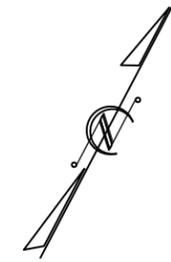
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES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

PROJECT NO.	SHEET NO.	TOTAL NO.
3601.3.11	3	8

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	ROUTE	DESCRIPTION	LENGTH MI	WIDTH FT	MOBILIZATION LS	GRADING LS	INCIDENTAL STONE BASE TONS	AC PLANT MIX (REPAIR) TONS	2'-6" CURB & GUTTER LF	4" CONCRETE SIDEWALK SY	CONCRETE CURB RAMPS EA	6" CONCRETE DRIVEWAY SY	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY TRAFFIC CONTROL LS	THERMO PAVEMENT MARKING LINES (24", 120 MIL) LF	TEMPORARY SILT FENCE LF	MATTING FOR EROSION CONTROL SY	COIR FIBER WATTLE LF	SEED & MULCHING AC	RELOCATE EXISTING SIGN EA
3601.3.11	Hertford	SR 1409	SIDEWALK FROM HOLLOMAN AVE (SR 1416) TO MALIBU DR.	0.47	5	1	1	50	10	175	1,400	11	35	2	2	1	100	50	50	20	0.25	4
TOTAL				0.47		1	1	50	10	175	1,400	11	35	2	2	1	100	50	50	20	0.25	4

PROJECT REFERENCE NO.	SHEET NO.
3601.3.11	4



NOTE: SILT FENCE TO BE PLACED IN AREAS DEEMED NECESSARY BY THE ENGINEER

START PROJECT
STA. 10+00

10+00

15+00

HOLLOMAN AVENUE (SR 1416)

MLK JR DRIVE (SR 1409)

DIRECTIONAL RAMP

PARALLEL RAMPS

INSTALL CROSSWALK TO
CONNECT CURB RAMPS

ADJUST SEWER CLEANOUT

PROPOSED SIDEWALK

ADJUST MONITORING WELL
IF NEEDED

ADJUST MANHOLE
IF NEEDED

R/W

R/W

R/W

SSMH[®]
R/W

5993-70-4762
HOLLEY, KEELY P

5993-70-6704
RIDDICK, CATHERINE

5993-80-2287
PILLMON, PHYLLIS B

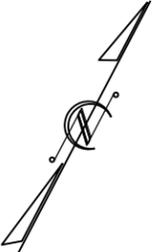
5993-80-4303
HALL, PEARL SIMMONS

5993-80-3867
MCULLOUGH, CHRISTINE

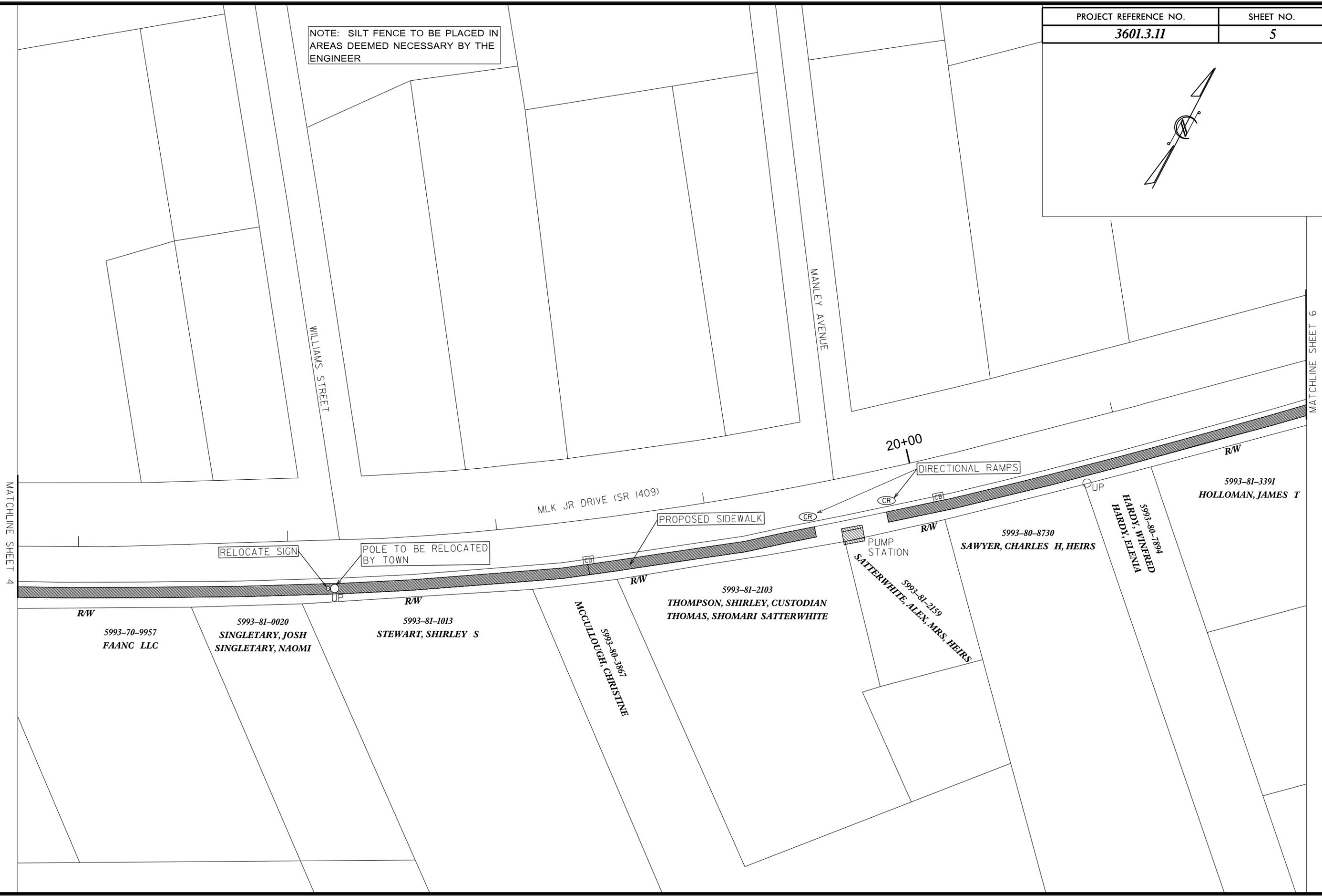
5993-70-8983
DELOATCH, ELIZABETH

MATCHLINE SHEET 5

PROJECT REFERENCE NO.	SHEET NO.
3601.3.11	5



NOTE: SILT FENCE TO BE PLACED IN AREAS DEEMED NECESSARY BY THE ENGINEER



MATCHLINE SHEET 4

MATCHLINE SHEET 6

5993-70-9957
FAANG LLC

5993-81-0020
SINGLETARY, JOSH
SINGLETARY, NAOMI

5993-81-1013
STEWART, SHIRLEY S

5993-80-3867
MCCULLOUGH, CHRISTINE

5993-81-2103
THOMPSON, SHIRLEY, CUSTODIAN
THOMAS, SHOMARI SATTERWHITE

5993-81-2159
SATTERWHITE, ALEX, MRS, HEIRS

5993-80-8730
SAWYER, CHARLES H, HEIRS

5993-80-7894
HARDY, WENFRED

5993-81-3391
HOLLOMAN, JAMES T

20+00

DIRECTIONAL RAMPS

PROPOSED SIDEWALK

MLK JR DRIVE (SR 1409)

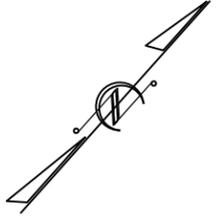
WILLIAMS STREET

MANLEY AVENUE

RELOCATE SIGN

POLE TO BE RELOCATED BY TOWN

PUMP STATION



NOTE: SILT FENCE TO BE PLACED IN AREAS DEEMED NECESSARY BY THE ENGINEER

MATCHLINE SHEET 5

MATCHLINE SHEET 7

25+00

MLK JR DRIVE (SR 1409)

PROPOSED SIDEWALK

RELOCATE SIGN

REMOVE VEGETATION AS NEEDED

POLE TO BE RELOCATED BY TOWN

RELOCATE SIGN

RELOCATE SIGN

R/W

5993-81-5305
BRYANT, SADELIA A
BRYANT, ALEXIS D

DAVIS STREET

5993-81-6405
JAMES, JEROME K, SR
JAMES, JEROME K, JR
JAMES, KEVIN L

5993-81-7406
JAMES, JEROME

5993-81-6586
MORRIS, LABRINA S

STATION AVENUE

R/W

5993-81-7653
DUKES, ABB

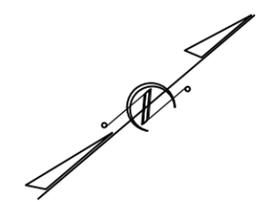
R/W

5993-81-8674
DOWN TO EARTH MANAGEMENT, LLC

5993-81-9712
HOLLOMAN, JACQUELINE DENISE

PROJECT REFERENCE NO.	SHEET NO.
3601.3.11	7

NOTE: SILT FENCE TO BE PLACED IN AREAS DEEMED NECESSARY BY THE ENGINEER



PATTERSON AVENUE

MLK JR DRIVE (SR 1409)

30+00

ADJUST MANHOLE

PROPOSED SIDEWALK

SSMH

TO
UP

R/W

R/W

R/W

R/W

5993-81-9862
DENT, STEVEN C
DENT, SONYA D

5993-91-0808
CASTELLOE, JERRY W
CASTELLOE, WANDA C

5993-91-4787
PILLMON, PHYLLIS B

5993-91-1939
HOLLOMAN, GARNETTA ALISA

5993-92-1096
DELOATCH, ANNIE S

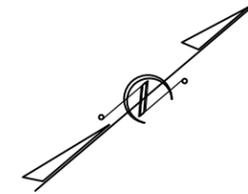
5993-92-2169
RANKINS, MARIE S
RANKINS, JAMES, JR

MONOCO DRIVE

MATCHLINE SHEET 6

MATCHLINE SHEET 8

NOTE: SAFETY FENCE AND SILT FENCE TO BE PLACED IN AREAS DEEMED NECESSARY BY THE ENGINEER



MATCHLINE SHEET 7

35+00

END PROJECT
STA. 35+00

MLK JR DRIVE (SR 1409)

PROPOSED SIDEWALK

R/W

REMOVE VEGETATION AND
RELOCATE FENCE AS
NEEDED

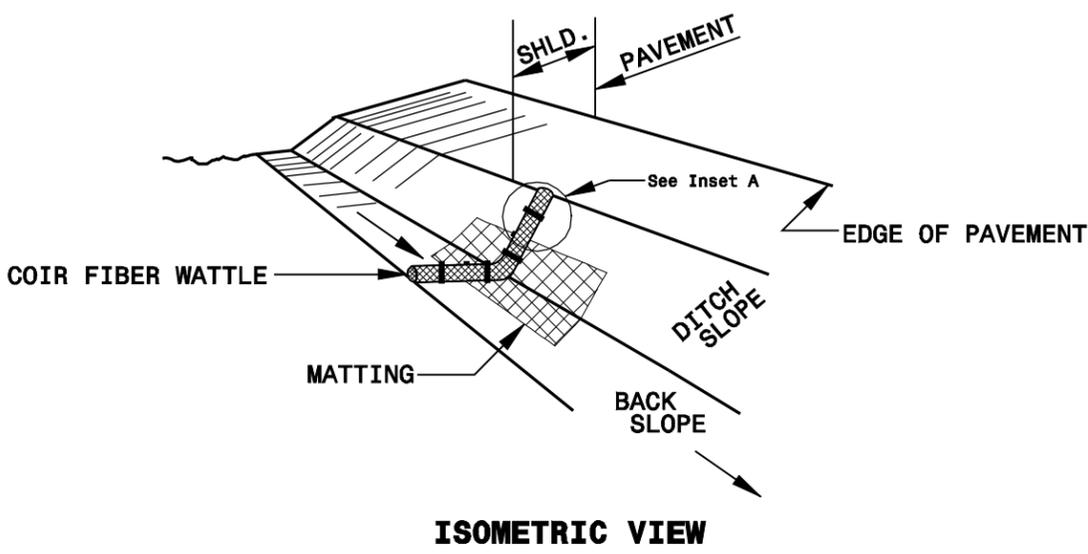
5993-92-2169

RANKINS, MARIE S
RANKINS, JAMES, JR

MALIBU DRIVE

PROJECT REFERENCE NO. X-XXXX	SHEET NO. EC-26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE DETAIL



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.

