WBS #: HANESMALL BLVD & WESTGATE CENTER DR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HANESMALL-WESTGATE	1	3

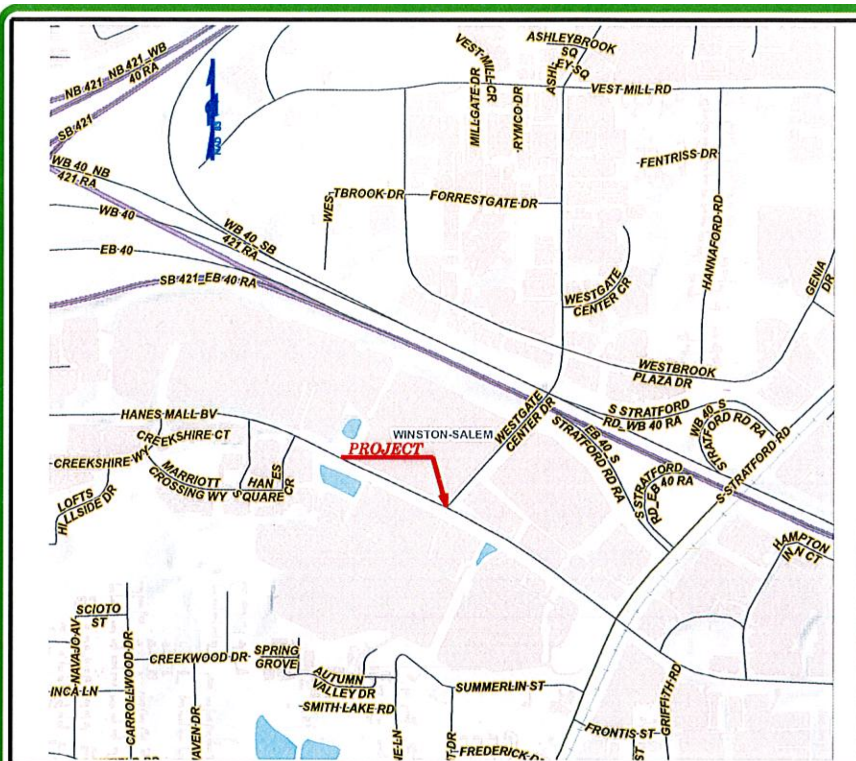
SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

FORSYTH COUNTY

LOCATION: INTERSECTION OF HANESMALL BLVD (3153) AND WESTGATE CENTER DR

TYPE OF WORK: GRADING, DRAINAGE AND WCR



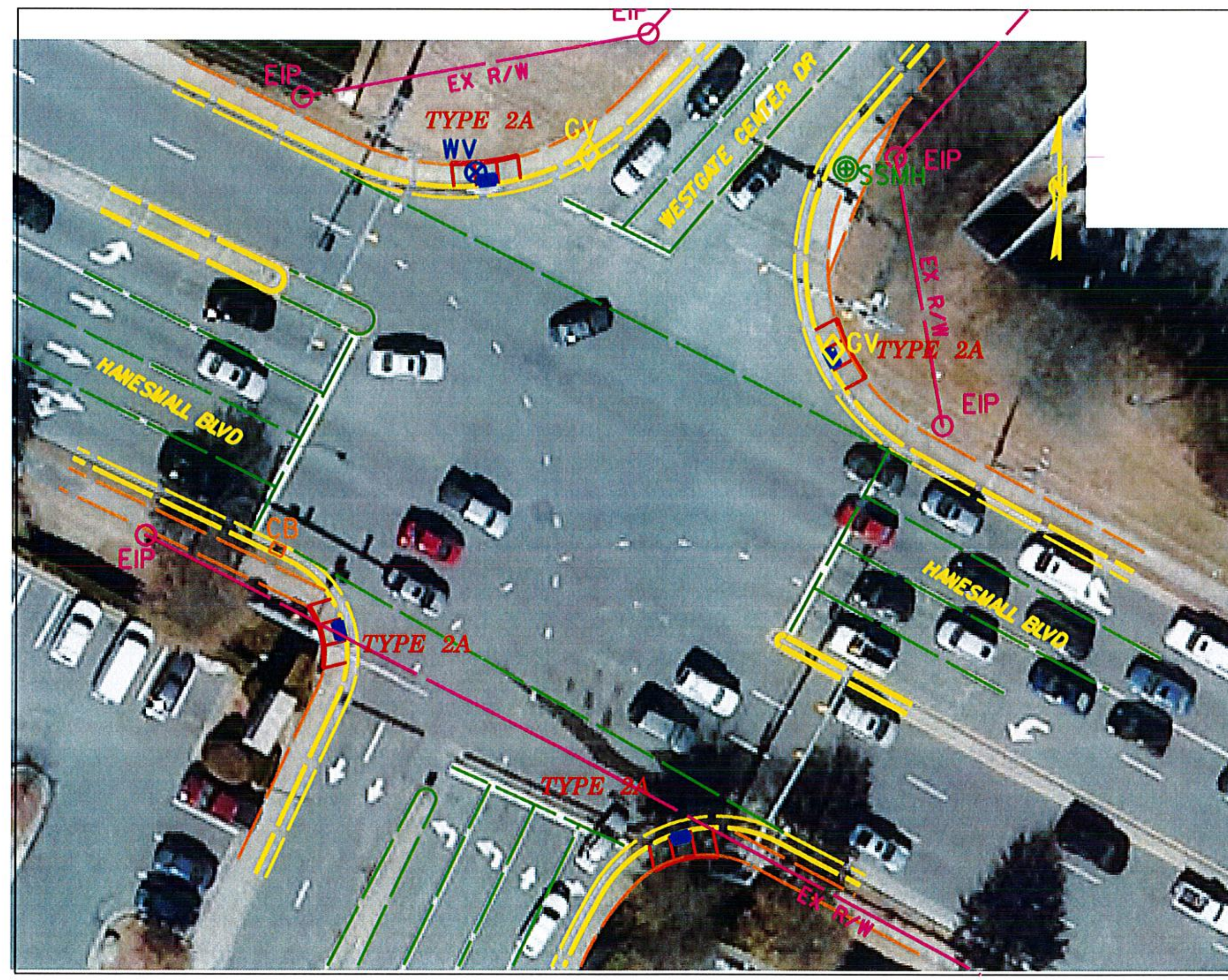
VICINITY MAP NTS

LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING BACK OF CURB
- EXISTING EDGE OF TRAVEL WAY
- EXISTING CONCRETE ISLAND
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BACK OF CURB
- PROPOSED LANE LINES
- (NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
- PROPOSED CONCRETE ISLAND
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED EASEMENT CONSTRUCTION
- PROPOSED TOE OF SLOPE
- PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

- UTILITY & SIGNAL POLE
- POWER POLE
- TELEPHONE PEDESTAL
- GUY WIRE
- SIGNAL BOX
- SANI. SEWER MANHOLE
- SANI. SEWER CLEANOUT
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CATCH BASIN & DI'S
- GUARDRAIL
- FENCE
- SIDEWALK
- TREE
- HEDGE ROW
- WOOD LINE



EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A or A
896.02	TYPE B	B or B
896.03	TYPE C	C or C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	x
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
A	BAFFLE IN A SEDIMENT DAM (EVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared in the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/12/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

$$$$$$$$SYSTIME$$$$$$$$
$$$$$$$$USERNAME$$$$
$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$

PROJECT REFERENCE NO.	SHEET NO.
HANESMALLS WESTGATE CENTER	4

PLAN SHEET NO.

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/17/99

WBS #: BROAD ST (NC 66) & RURALHALL RD (NC 65)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BROAD ST & RURALHALL	1	3

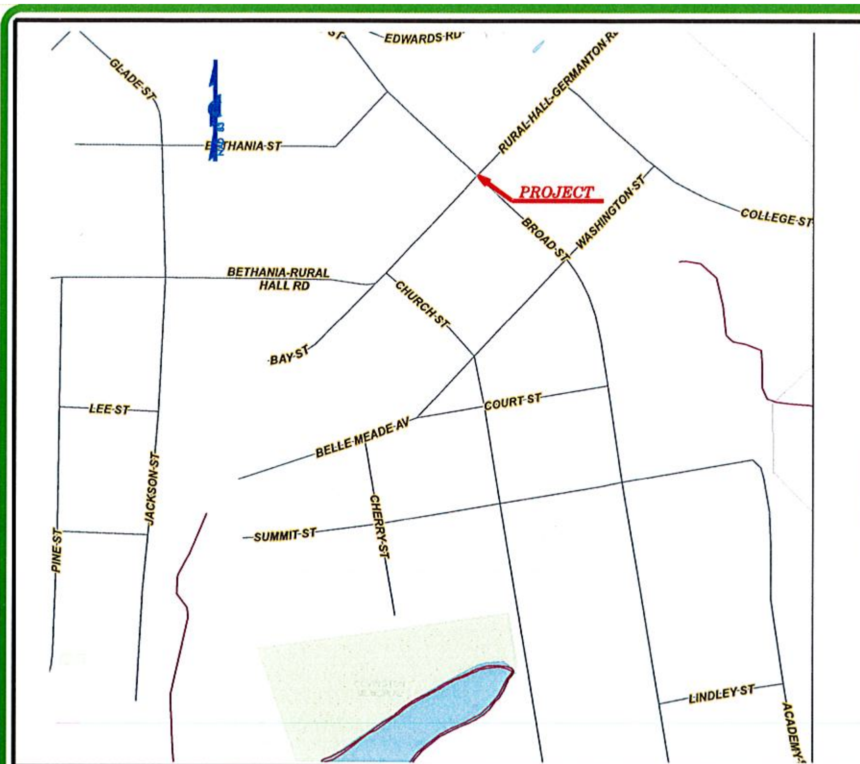
SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

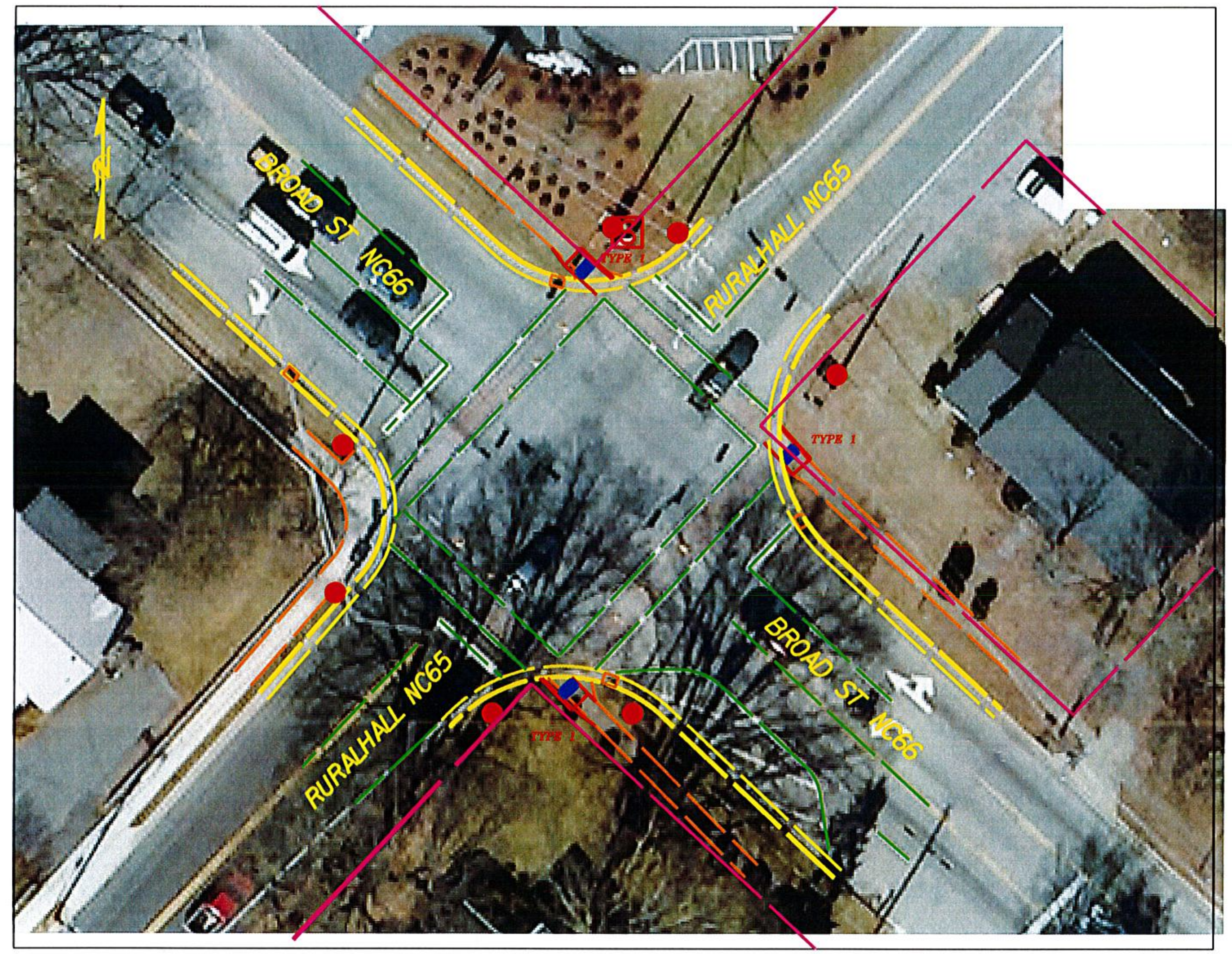
FORSYTH COUNTY

LOCATION: INTERSECTION OF BROAD ST (NC 66) AND RURALHALL RD (NC 65)

TYPE OF WORK: GRADING, DRAINAGE AND WCR



VICINITY MAP NTS



LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI. SEWER MANHOLE
SANI. SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	X
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (IEVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/21/2017 GWG
DATE DRAWN DRAWN BY

REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

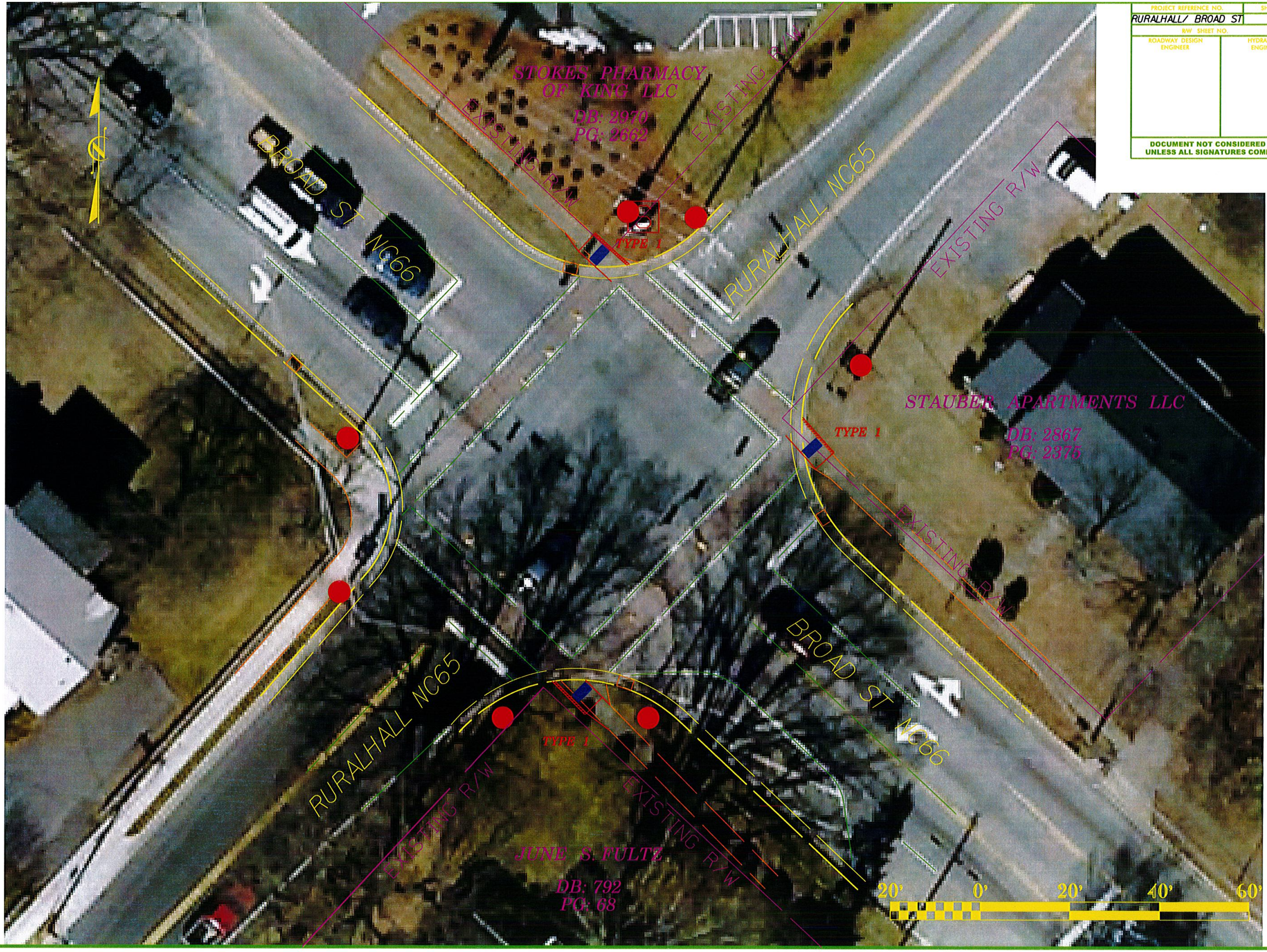
$$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$

09/08/99

PROJECT REFERENCE NO.	SHEET NO.
RURALHALL/ BROAD ST	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

8/17/99

20-JUN-2017 12:20
\\div9-2945491\rdy\CURRENT\ADA WCR PROJECTS\BROAD ST & RURALHALL\BROAD ST RURALHALL Rdy_dsn ADA WCR RESTORATION F.dgn
ggunter AT DIV9-294557

BROAD ST (NC 66) & COURT ST (1651)

WBS #:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

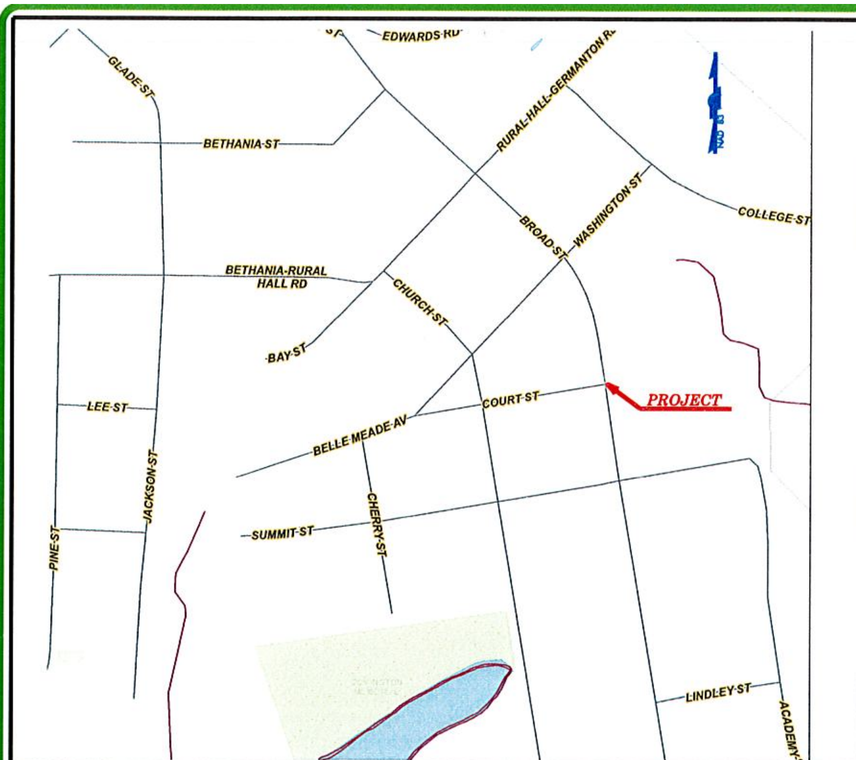
FORSYTH COUNTY

LOCATION: INTERSECTION OF BROAD ST (NC 66) AND COURT ST (1651)

TYPE OF WORK: GRADING, DRAINAGE AND WCR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BROAD ST & COURT ST	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS



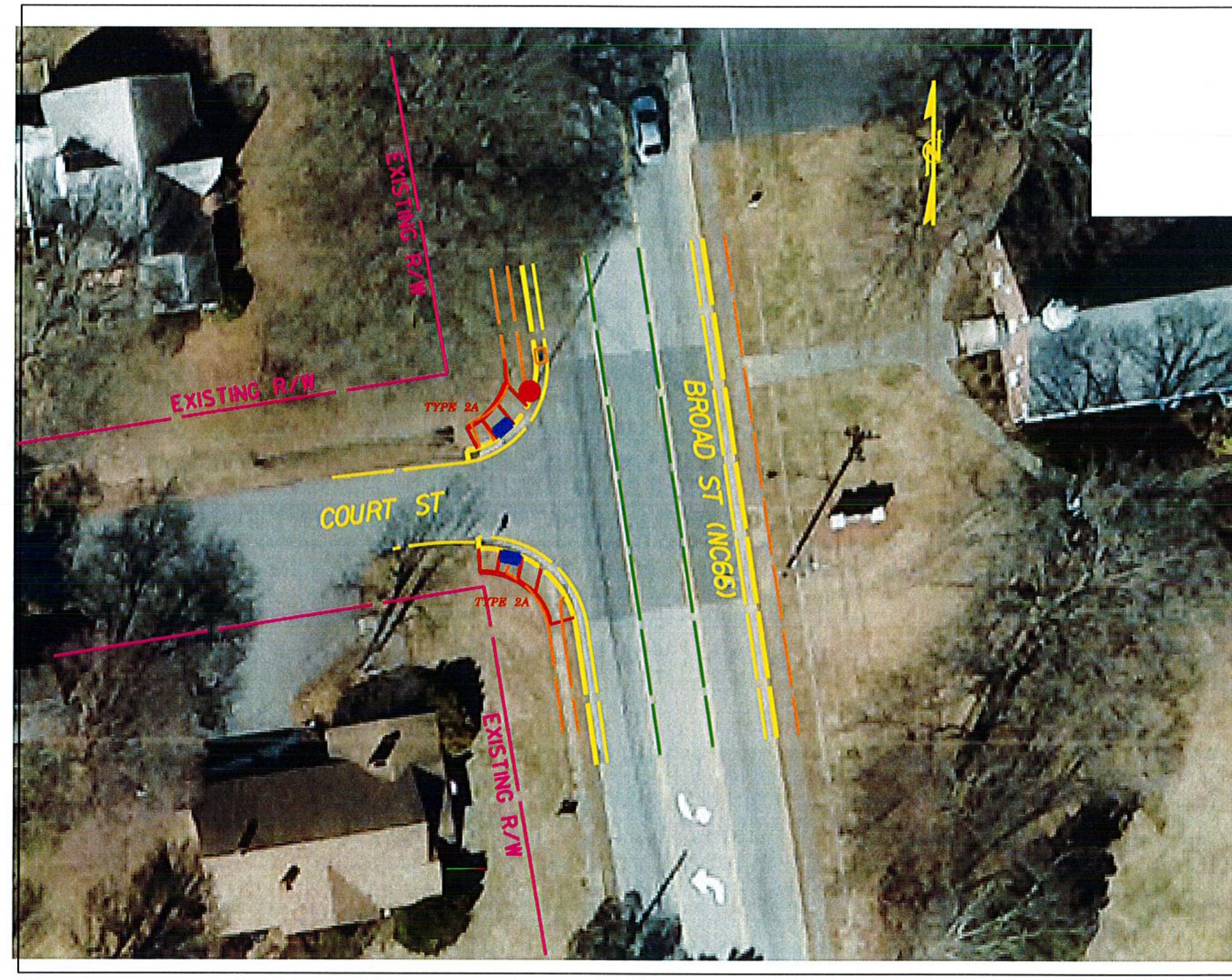
VICINITY MAP NTS

LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI.SEWER MANHOLE
SANI.SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE



EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01 TYPE A .... A OR A
896.02 TYPE B .... B OR B
896.03 TYPE C .... C OR C
897.01 ROCK PIPE INLET PROTECTION ....
N/A PIPE OUTLET ENERGY DISSIPATOR ..
N/A DRAINAGE TURNOUT ....
N/A RIP-RAP LINED DITCH ....
N/A STREAM ....
N/A HIGH POINT/ WATER FLOW DIRECTION X
245.01 SILT BASIN TYPE A
245.02 SILT BASIN TYPE B
245.03 TEMPORARY SILT DITCH —TSD—
245.05 TEMPORARY DIVERSION DITCH —TD—
100.01B STORM DRAINAGE CE PIPE
890.05 TEMP. SLOPE DRAIN W/ EARTH BERM
892.01 TEMPORARY ROCK SEDIMENT DAM TYPE A
892.02 TEMPORARY ROCK SEDIMENT DAM TYPE B
A BAFFLE IN A SEDIMENT DAM (1 EVERY 10') XXXXX
892.04 TEMPORARY ROCK SILT CHECK TYPE A
893.01 TEMPORARY SILT FENCE
894.01 ROCK SILT SCREEN
895.10 TEMPORARY ROCK SILT CHECK TYPE B
N/A WATTLE ....

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 / DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/25/2017 GWG
DATE DRAWN DRAWN BY

REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
BROAD ST/ COURT ST	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

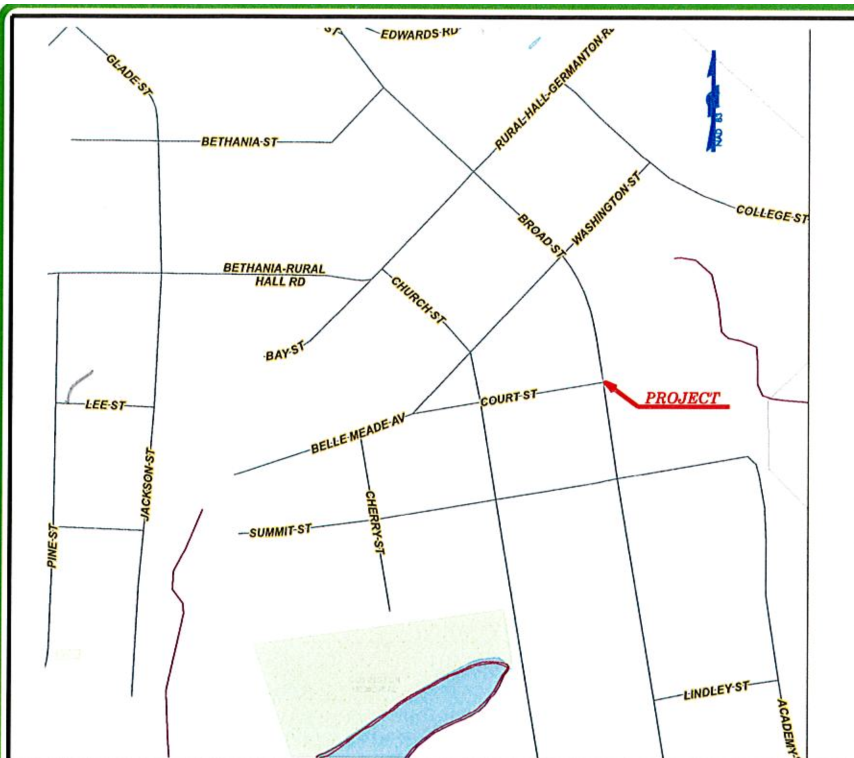
REVISIONS

8/17/99

20-JUN-2017 11:47
\\div9-29454\r-dy\CURRENT\ADA WCR PROJECTS\BROAD ST & COURT ST\BROAD_ST_COURT_ST_Rdy_dsn_ADA_WCR_RESTORATION.dgn
pointer AT DIV9-294557

BROAD ST (NC 66) & LINDLEY ST (1905)

WBS #:



VICINITY MAP NTS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

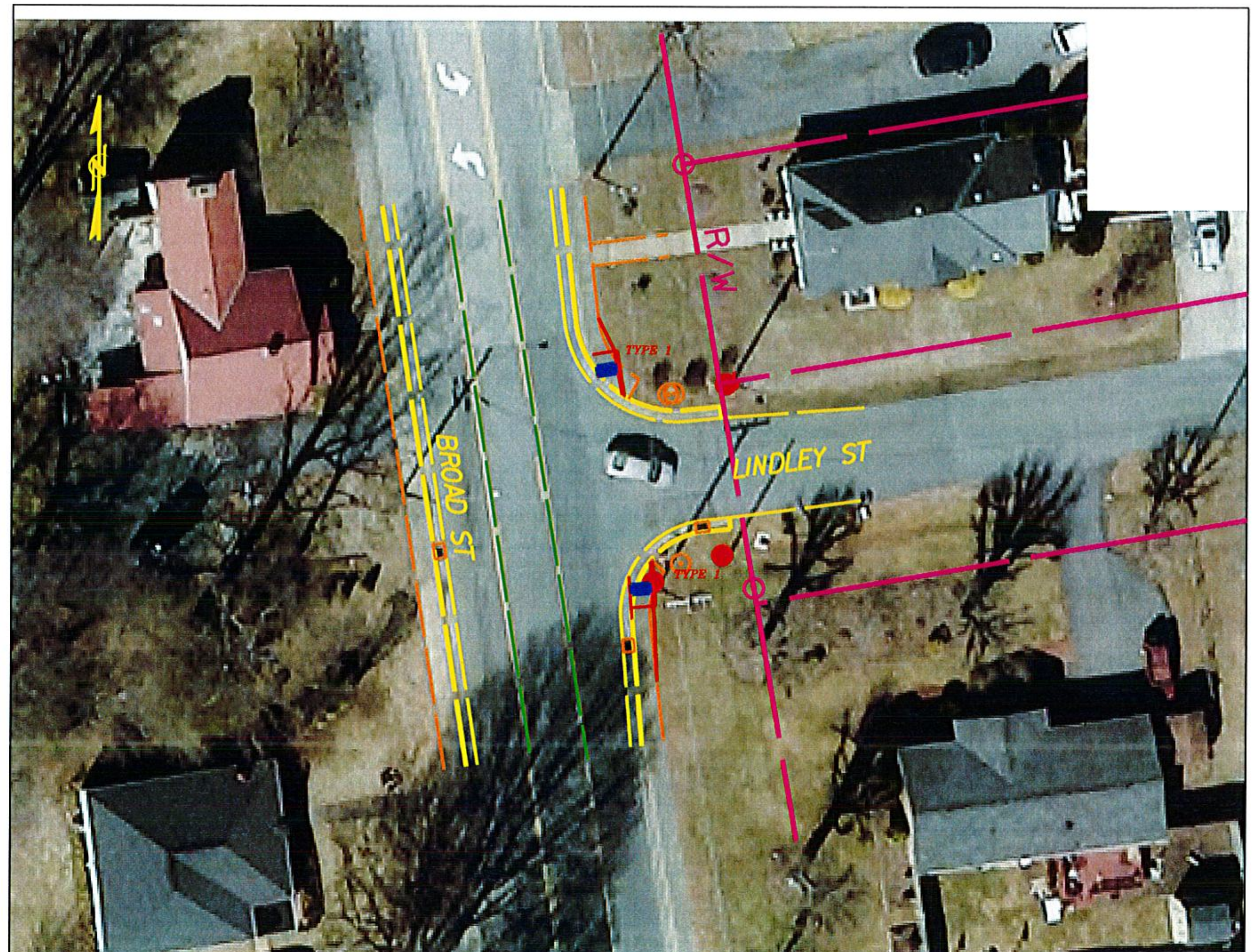
FORSYTH COUNTY

LOCATION: INTERSECTION OF BROAD ST (NC 66) AND LINDLEY ST (1905)

TYPE OF WORK: GRADING, DRAINAGE AND WCR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BROAD ST & LINDLEY ST	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS



LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI. SEWER MANHOLE
SANI. SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01 TYPE A .... A OR A
896.02 TYPE B .... B OR B
896.03 TYPE C .... C OR C
897.01 ROCK PIPE INLET PROTECTION ....
N/A PIPE OUTLET ENERGY DISSIPATOR ..
N/A DRAINAGE TURNOUT ....
N/A RIP-RAP LINED DITCH ....
N/A STREAM ....
N/A HIGH POINT/ WATER FLOW DIRECTION X
245.01 SILT BASIN TYPE A
245.02 SILT BASIN TYPE B
245.03 TEMPORARY SILT DITCH — TSD —
245.05 TEMPORARY DIVERSION DITCH — TD —
100.01B STORM DRAINAGE CE PIPE
890.05 TEMP. SLOPE DRAIN W/ EARTH BERM
892.01 TEMPORARY ROCK SEDIMENT DAM TYPE A
892.02 TEMPORARY ROCK SEDIMENT DAM TYPE B
A BAFFLE IN A SEDIMENT DAM (1EVERY 10') XXXXX
892.04 TEMPORARY ROCK SILT CHECK TYPE A
893.01 TEMPORARY SILT FENCE
894.01 ROCK SILT SCREEN
895.10 TEMPORARY ROCK SILT CHECK TYPE B
N/A WATTLE ....

GRAPHIC SCALES

10 5 0 10 20
PLANS
0
PROFILE (HORIZONTAL)
0
PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:
DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II
375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/25/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

SIGNATURE: P.E.

DIVISION TRAFFIC ENGINEER

SIGNATURE: P.E.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$$$$SYSTIME$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$
$$$USERNAME$$$$$$$$$$$$$$$$$$$$$$$$$$

PROJECT REFERENCE NO.	SHEET NO.
BROAD ST/ LINDLEY ST	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

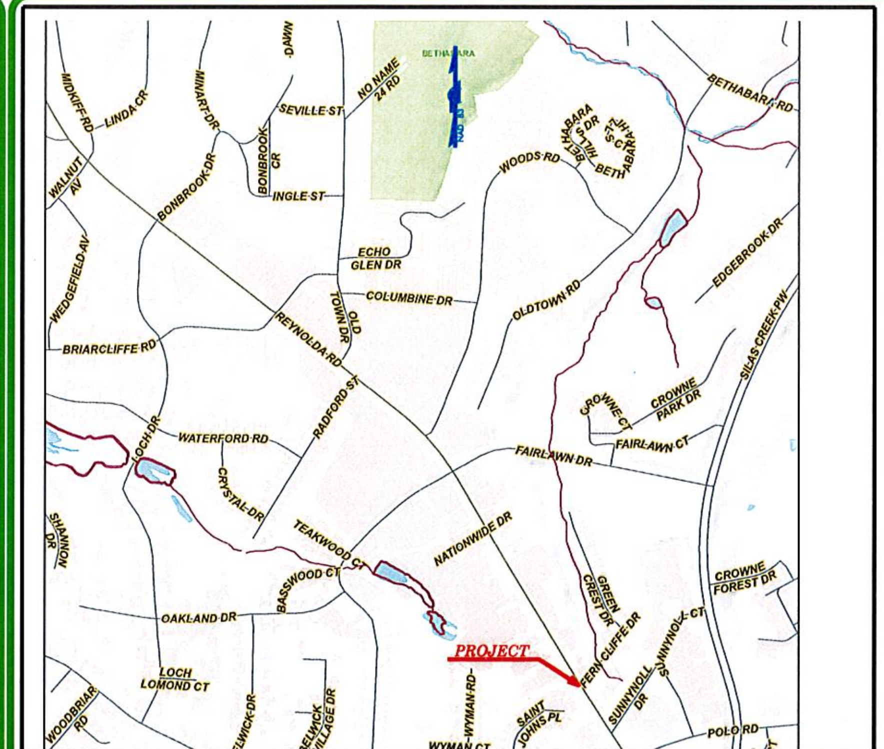
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/17/99

20-JUN-2017 12:06
\\div9-294549\rdy\CURRENT\ADA WCR PROJECTS\BROAD ST & LINDLEY ST\BROAD ST LINDLEY ST Rdy dsn ADA WCR RESTORATION.dgn
ggunter AT DIV9-294557

WBS #: REYNOLDA RD (NC 67) & FERN CLIFFE DR



VICINITY MAP NTS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

FORSYTH COUNTY

LOCATION: INTERSECTION OF REYNOLDA RD (NC 67) AND FERN CLIFFE DR

TYPE OF WORK: GRADING, DRAINAGE AND WCR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	REYNOLDA & FERN CLIFFE	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI.SEWER MANHOLE
SANI.SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	X
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (1 EVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20
PLANS
0
PROFILE (HORIZONTAL)
0
PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared in the Office of:
DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II
375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/20/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

SIGNATURE: P.E.

DIVISION TRAFFIC ENGINEER

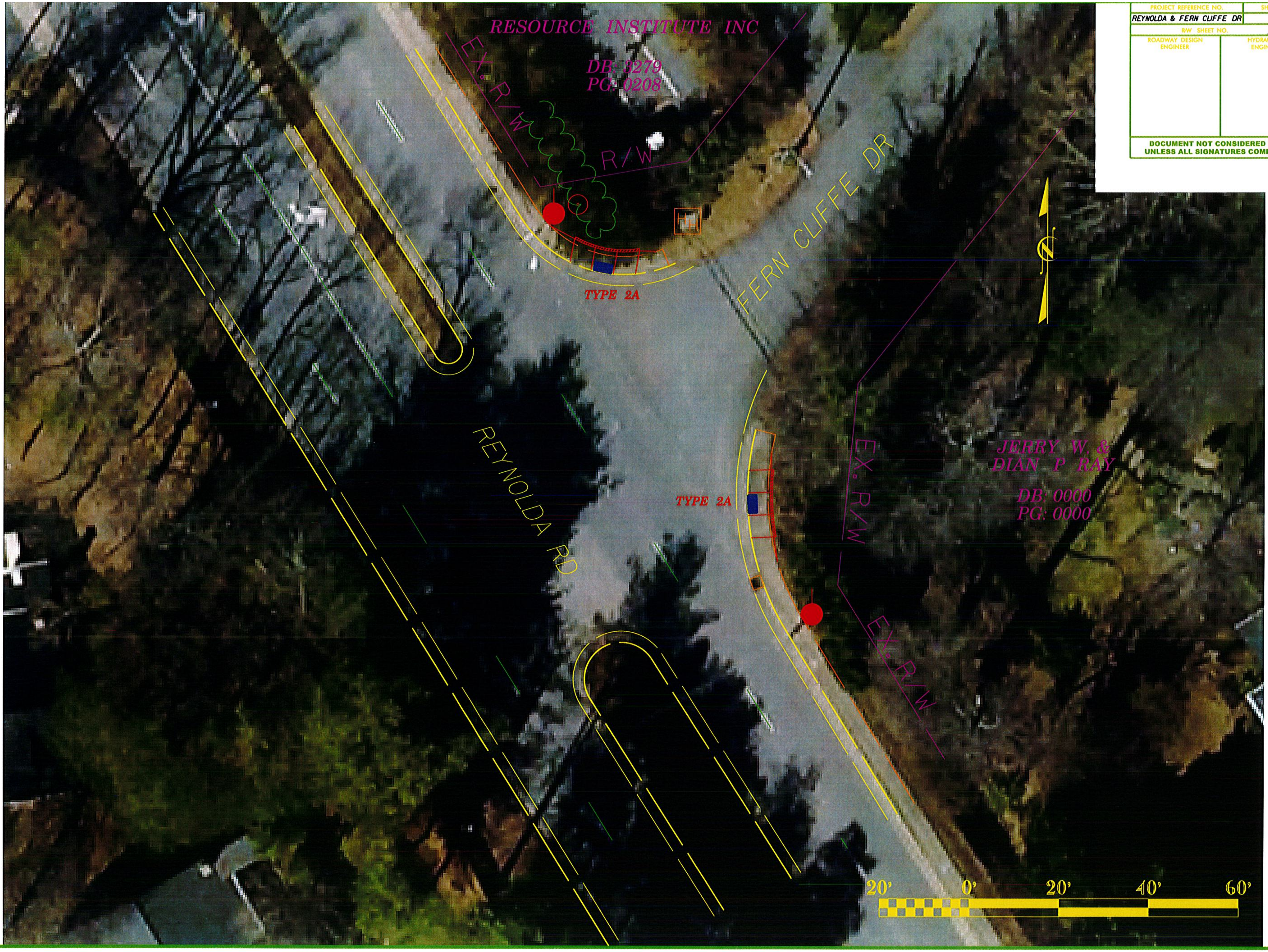
SIGNATURE: P.E.

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$$$$SYSTIME$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$USERNAME$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
09/08/99

PROJECT REFERENCE NO.	SHEET NO.
REYNOLDA & FERN CLIFFE DR	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

8/17/99

20-JUN-2007 14:02
\div9-29454\rdy\CURRENT\ADA WCR PROJECTS\REYNOLDA & FERN CLIFFE DR\REYNOLDA_FERN_CLIFFE_DR_Rdy.dgn_ADA_WCR_RESTORATION_F.dgn

WBS #: REYNOLDA RD (NC 67) & BONBROOK DR

$$$$SYSTIME$$$$
$$$$USERNAME$$$$
$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

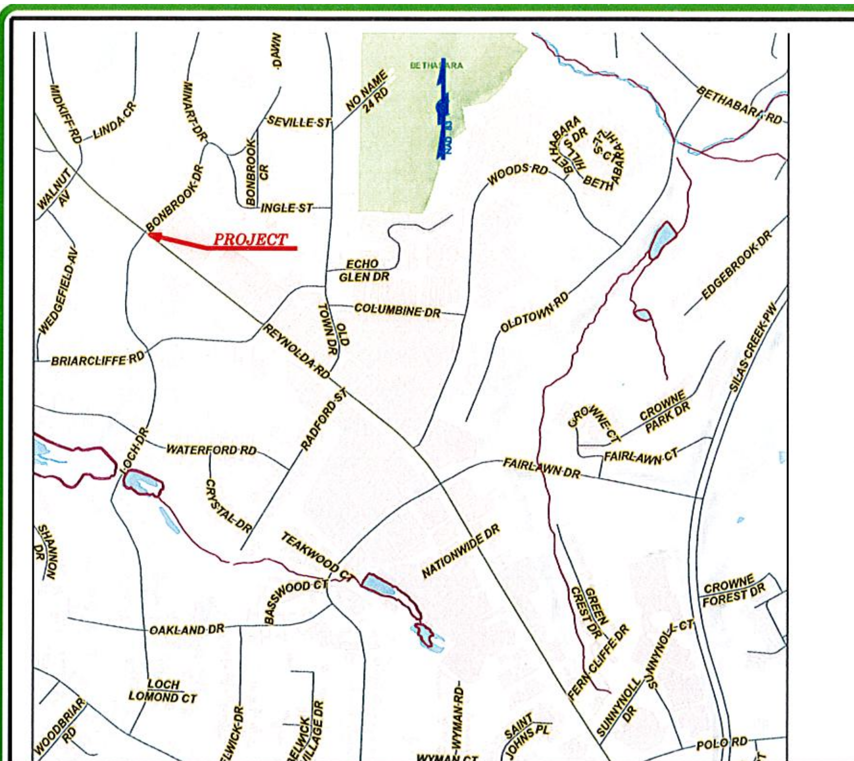
FORSYTH COUNTY

LOCATION: INTERSECTION OF REYNOLDA RD (NC 67) AND BONBROOK DR

TYPE OF WORK: GRADING, DRAINAGE AND WCR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	REYNOLDA & BONBROOK	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS



VICINITY MAP NTS

LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING BACK OF CURB
- EXISTING EDGE OF TRAVEL WAY
- EXISTING CONCRETE ISLAND
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BACK OF CURB
- PROPOSED LANE LINES
- (NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
- PROPOSED CONCRETE ISLAND
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED EASEMENT CONSTRUCTION — E
- PROPOSED TOE OF SLOPE
- PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

- UTILITY & SIGNAL POLE
- POWER POLE
- TELEPHONE PEDESTAL
- GUY WIRE
- SIGNAL BOX
- SANI.SEWER MANHOLE
- SANI.SEWER CLEANOUT
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CATCH BASIN & DI'S
- GUARDRAIL
- FENCE
- SIDEWALK
- TREE
- HEDGE ROW
- WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	x
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.018	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (EVERY 10')	xxxxx
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/20/2017 GWG
DATE DRAWN DRAWN BY

REVISED DATE DRAWN BY

DISTRICT ENGINEER

SIGNATURE: P.E.

DIVISION TRAFFIC ENGINEER

SIGNATURE: P.E.

PROJECT REFERENCE NO.	SHEET NO.
REYNOLDA & BONBROOK DR	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

8/17/99

20-JUN-2017 13:58
\\div9-294549\rdy\CURRENT\ADA WCR PROJECTS\REYNOLDA & BONBROOK DR\REYNOLDA_BONBROOK_DR_Rdy_dsn_ADA_WCR_RESTORATION_F.dgn
ggunter AT DIV9-294557

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

FORSYTH COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	INDIANA& PERIMETER POINT	1	3

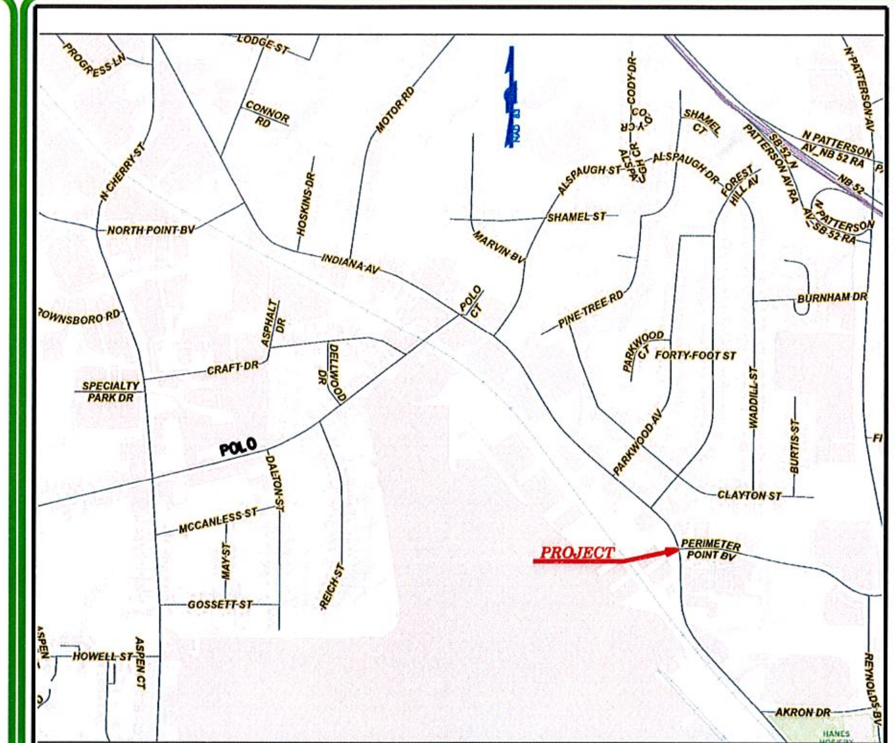
SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

INDIANA AVE & PETIMETER POINT BLVD

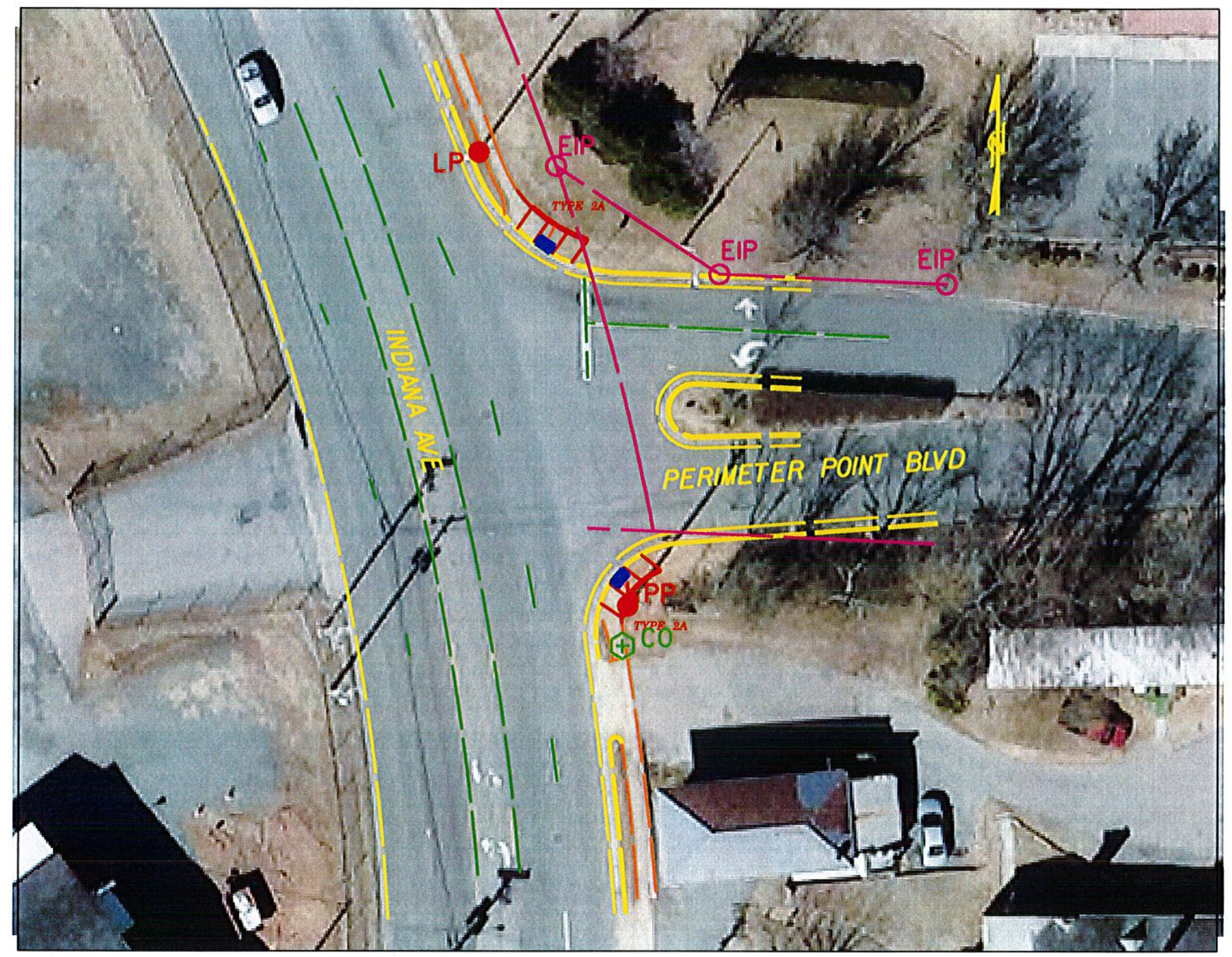
WBS #:

LOCATION: INTERSECTION OF INDIANA AVE (1763) AND PERIMETER POINT BLVD

TYPE OF WORK: GRADING, DRAINAGE AND WCR



VICINITY MAP *NTS*



LEGEND

EXISTING EDGE OF PAVEMENT	
EXISTING BACK OF CURB	
EXISTING EDGE OF TRAVEL WAY	
EXISTING CONCRETE ISLAND	
PROPOSED EDGE OF PAVEMENT	
PROPOSED BACK OF CURB	
PROPOSED LANE LINES	
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)	
PROPOSED CONCRETE ISLAND	
EXISTING RIGHT-OF-WAY LINE	
PROPOSED RIGHT-OF-WAY LINE	
EXISTING PROPERTY LINE	
PROPOSED EASEMENT CONSTRUCTION	E
PROPOSED TOE OF SLOPE	
PROPOSED CUT/FILL SLOPE	

UTILITIES & STRUCTURES

- UTILITY & SIGNAL POLE
- POWER POLE
- TELEPHONE PEDESTAL
- GUY WIRE
- SIGNAL BOX
- SANI.SEWER MANHOLE
- SANI.SEWER CLEANOUT
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CATCH BASIN & DI'S
- GUARDRAIL
- FENCE
- SIDEWALK
- TREE
- HEDGE ROW
- WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	x
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (1EVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II
375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/17/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

09/08/9

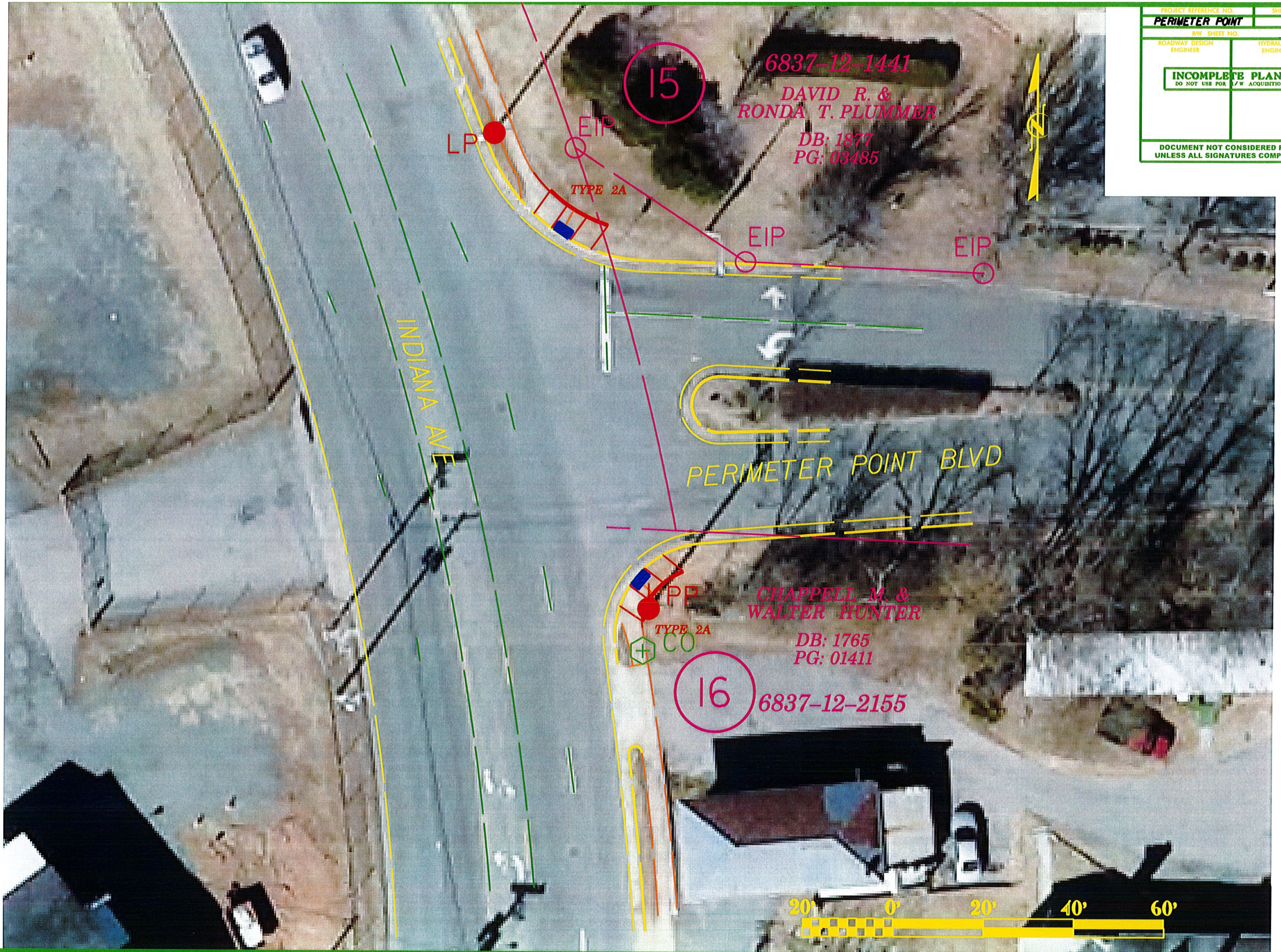
$$$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
PERIMETER POINT	4
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

REVISIONS



INDIANA AVE & PARKWOOD AVE

WBS #:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

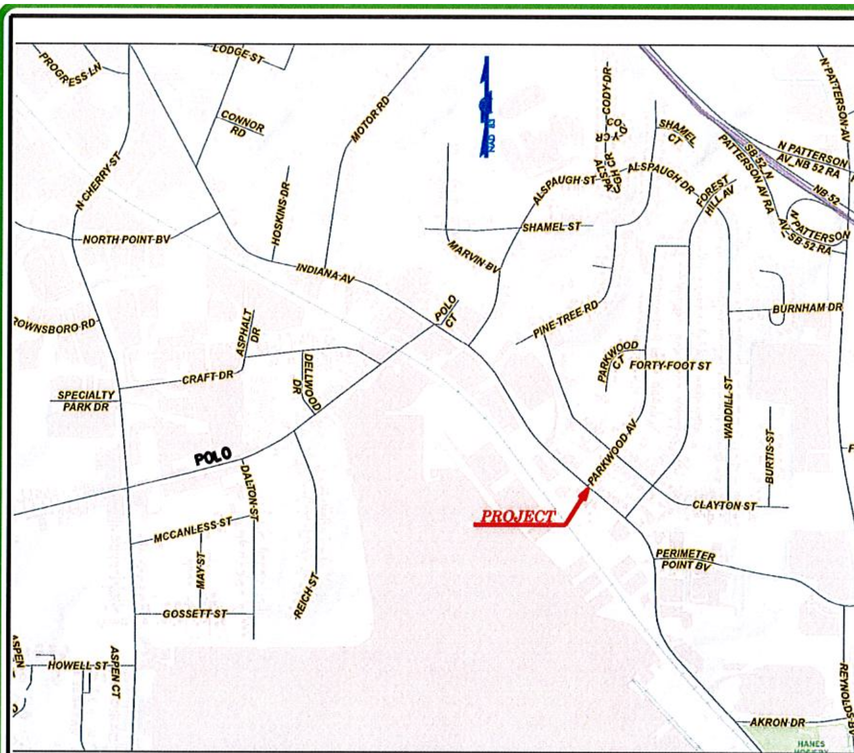
FORSYTH COUNTY

LOCATION: INTERSECTION OF INDIANA AVE (1763) AND PARKWOOD AVE

TYPE OF WORK: GRADING, DRAINAGE AND WCR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	INDIANA& PARKWOOD	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS



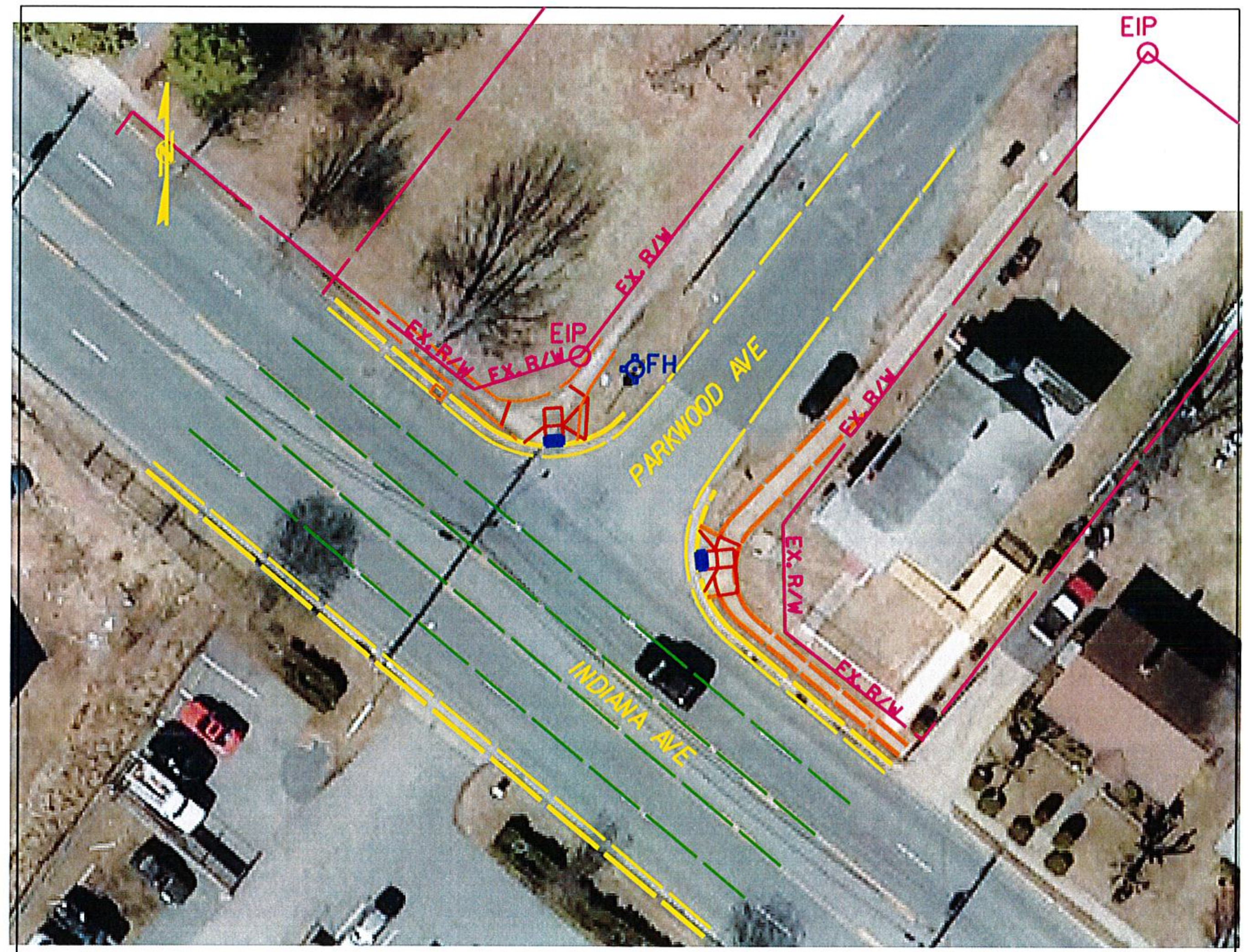
VICINITY MAP NTS

LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING BACK OF CURB
- EXISTING EDGE OF TRAVEL WAY
- EXISTING CONCRETE ISLAND
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BACK OF CURB
- PROPOSED LANE LINES
- (NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
- PROPOSED CONCRETE ISLAND
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED EASEMENT CONSTRUCTION — E
- PROPOSED TOE OF SLOPE
- PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

- UTILITY & SIGNAL POLE
- POWER POLE
- TELEPHONE PEDESTAL
- GUY WIRE
- SIGNAL BOX
- SANI.SEWER MANHOLE
- SANI.SEWER CLEANOUT
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CATCH BASIN & DI'S
- GUARDRAIL
- FENCE
- SIDEWALK
- TREE
- HEDGE ROW
- WOOD LINE



EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	X
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (1EVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/13/2017 — DATE DRAWN
NTS — DRAWN BY
REVISED DATE — DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

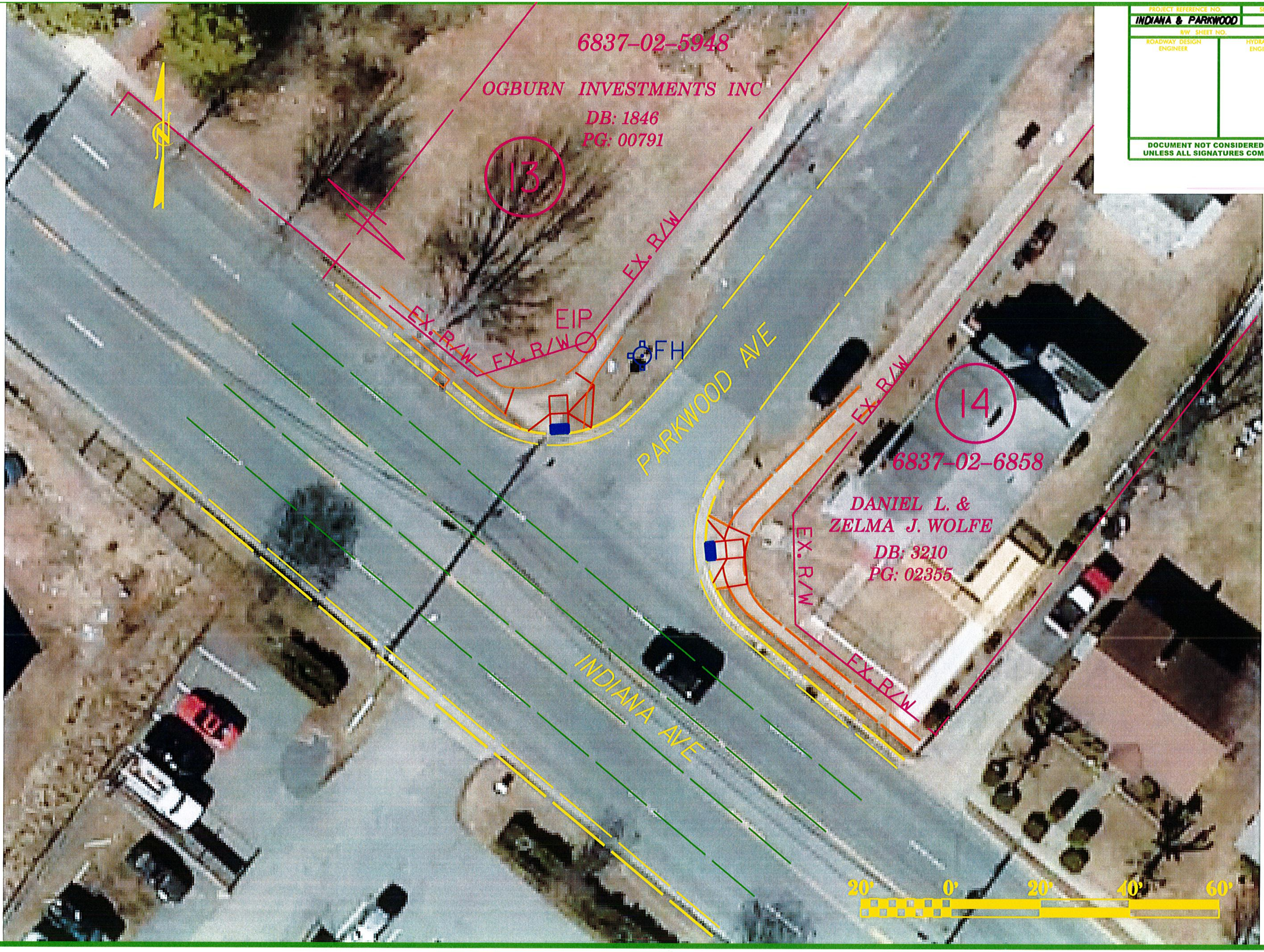
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
INDIANA & PARKWOOD	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$$USERNAME$$$$$

INDIANA AVE & MOTOR ROAD

WBS #:

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	INDIANA & MOTOR RD	1	3

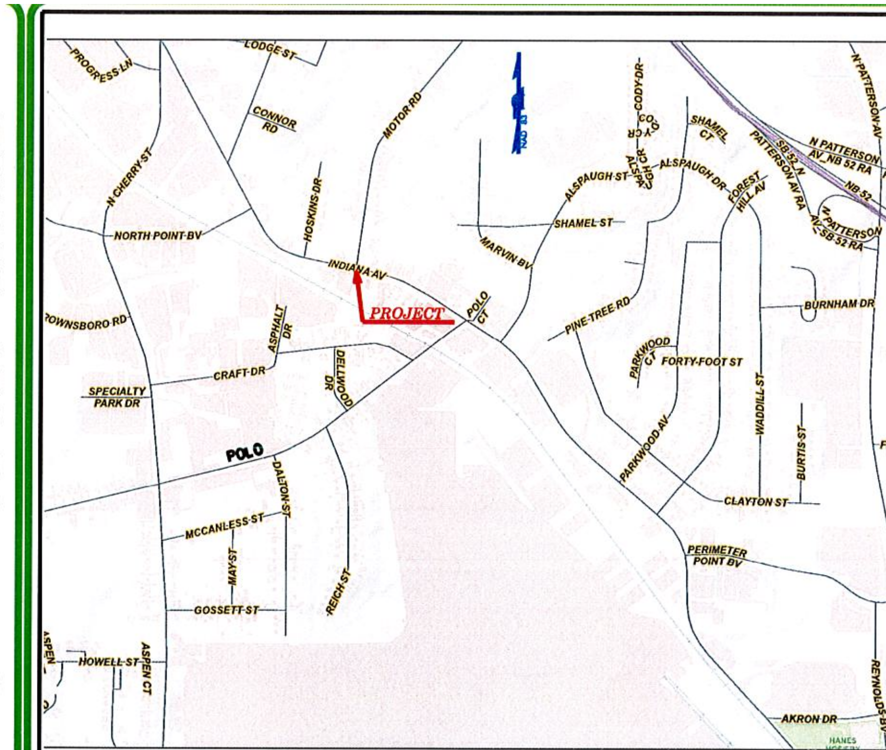
SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

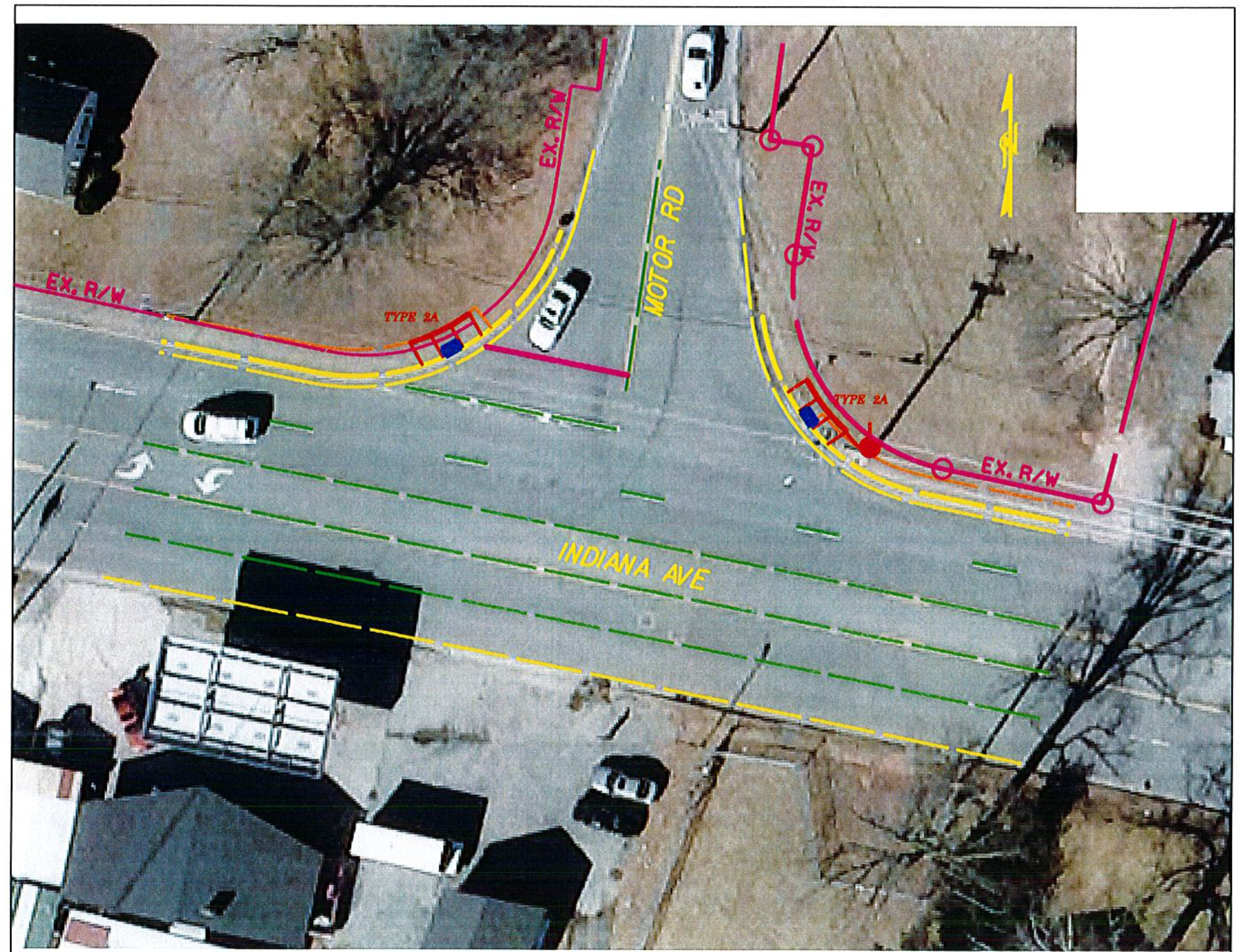
FORSYTH COUNTY

LOCATION: INTERSECTION OF INDIANA AVE (1763) AND MOTOR ROAD

TYPE OF WORK: GRADING, DRAINAGE AND WCR



VICINITY MAP *NTS*



LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING BACK OF CURB
- EXISTING EDGE OF TRAVEL WAY
- EXISTING CONCRETE ISLAND
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BACK OF CURB
- PROPOSED LANE LINES
- (NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
- PROPOSED CONCRETE ISLAND
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED EASEMENT CONSTRUCTION
- PROPOSED TOE OF SLOPE
- PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

- UTILITY & SIGNAL POLE
- POWER POLE
- TELEPHONE PEDESTAL
- GUY WIRE
- SIGNAL BOX
- SANI. SEWER MANHOLE
- SANI. SEWER CLEANOUT
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CATCH BASIN & DI'S
- GUARDRAIL
- FENCE
- SIDEWALK
- TREE
- HEDGE ROW
- WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A	OR A
896.02	TYPE B	B	OR B
896.03	TYPE C	C	OR C
897.01	ROCK PIPE INLET PROTECTION		
N/A	PIPE OUTLET ENERGY DISSIPATOR		
N/A	DRAINAGE TURNOUT		
N/A	RIP-RAP LINED DITCH		
N/A	STREAM		
N/A	HIGH POINT/ WATER FLOW DIRECTION		x
245.01	SILT BASIN TYPE A		
245.02	SILT BASIN TYPE B		
245.03	TEMPORARY SILT DITCH		TSD
245.05	TEMPORARY DIVERSION DITCH		TD
100.018	STORM DRAINAGE GE PIPE		
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM		
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A		
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B		
	A BAFFLE IN A SEDIMENT DAM (EVERY 10')		xxxxx
892.04	TEMPORARY ROCK SILT CHECK TYPE A		
893.01	TEMPORARY SILT FENCE		
894.01	ROCK SILT SCREEN		
895.10	TEMPORARY ROCK SILT CHECK TYPE B		
N/A	WATTLE		

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared in the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/17/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
MOTOR RD	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/17/99

20-JUN-2017 13:25
\\div9-294549\rdy\CURRENT\ADA WCR PROJECTS\INDIANA & MOTOR RD\INDIANA_AVE_MOTOR_RD_Rdy_dsn_ADA_WCR_RESTORATION_F.dgn
ggunter AT DIV9-294557

WBS #: NEW WALKERTOWN RD & GERALD STREET

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

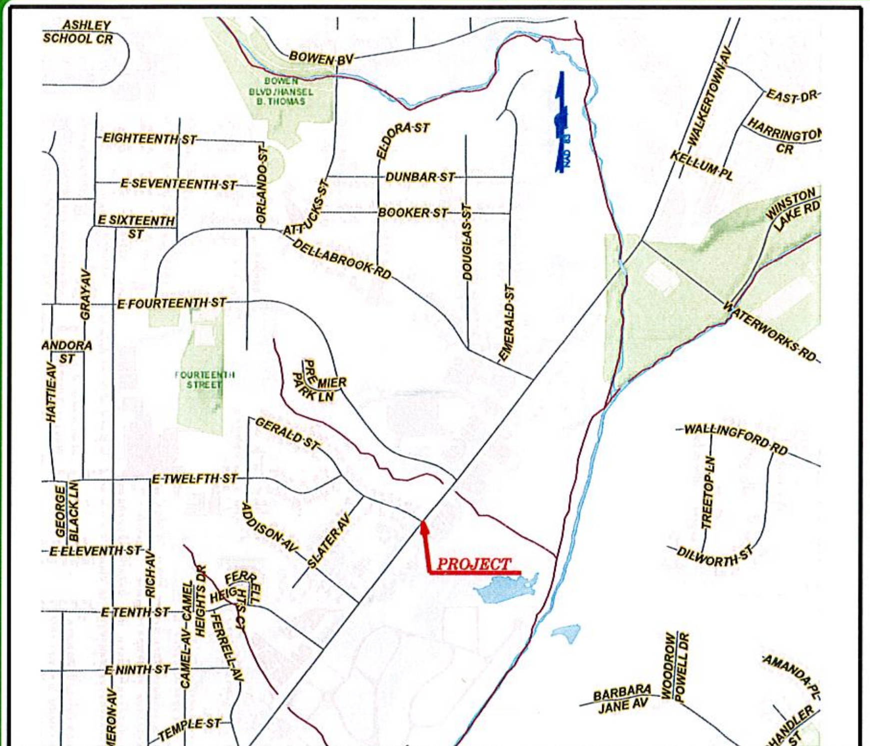
FORSYTH COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	US 311 & GERALD ST	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

LOCATION: INTERSECTION OF NEW WALKERTOWN RD (US311) AND GERALD STREET

TYPE OF WORK: GRADING, DRAINAGE AND WCR



VICINITY MAP NTS

LEGEND

EXISTING EDGE OF PAVEMENT	
EXISTING BACK OF CURB	
EXISTING EDGE OF TRAVEL WAY	
EXISTING CONCRETE ISLAND	
PROPOSED EDGE OF PAVEMENT	
PROPOSED BACK OF CURB	
PROPOSED LANE LINES	
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)	
PROPOSED CONCRETE ISLAND	
EXISTING RIGHT-OF-WAY LINE	
PROPOSED RIGHT-OF-WAY LINE	
EXISTING PROPERTY LINE	
PROPOSED EASEMENT CONSTRUCTION	E
PROPOSED TOE OF SLOPE	
PROPOSED CUT/FILL SLOPE	

UTILITIES & STRUCTURES

- UTILITY & SIGNAL POLE
- POWER POLE
- TELEPHONE PEDESTAL
- GUY WIRE
- SIGNAL BOX
- SANI.SEWER MANHOLE
- SANI.SEWER CLEANOUT
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CATCH BASIN & DI'S
- GUARDRAIL
- FENCE
- SIDEWALK
- TREE
- HEDGE ROW
- WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	X
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.018	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (EVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/19/2017 GWG
DATE DRAWN DRAWN BY

REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$
09/08/9

PROJECT REFERENCE NO.	SHEET NO.
US311 & GERALD ST	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

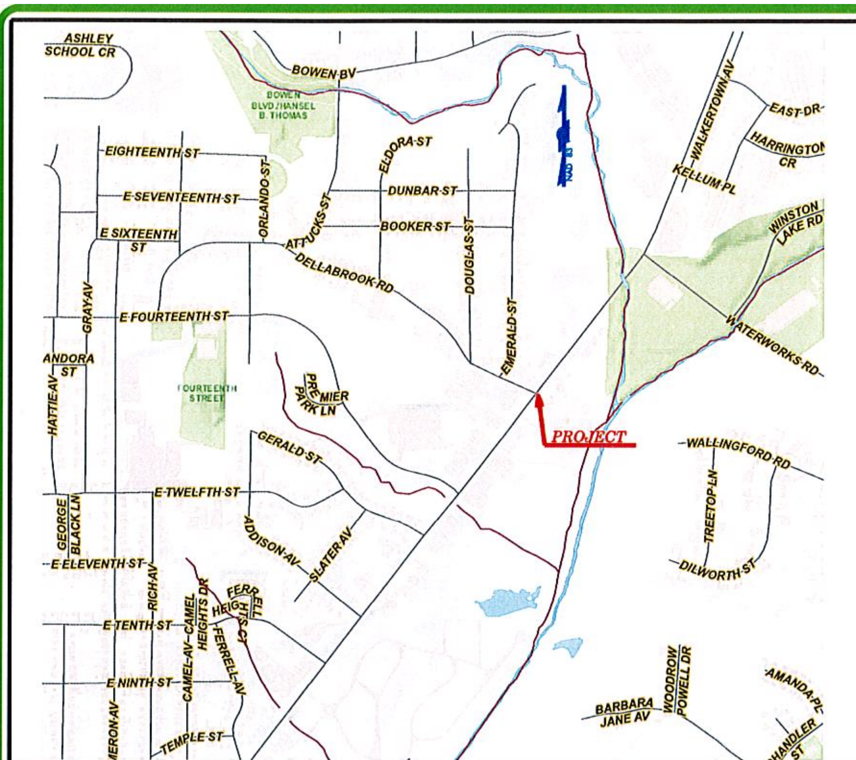
WBS #: NEW WALKERTOWN RD & DELLABROOK RD

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

FORSYTH COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	US 311 & DELLABROOK RD	1	3

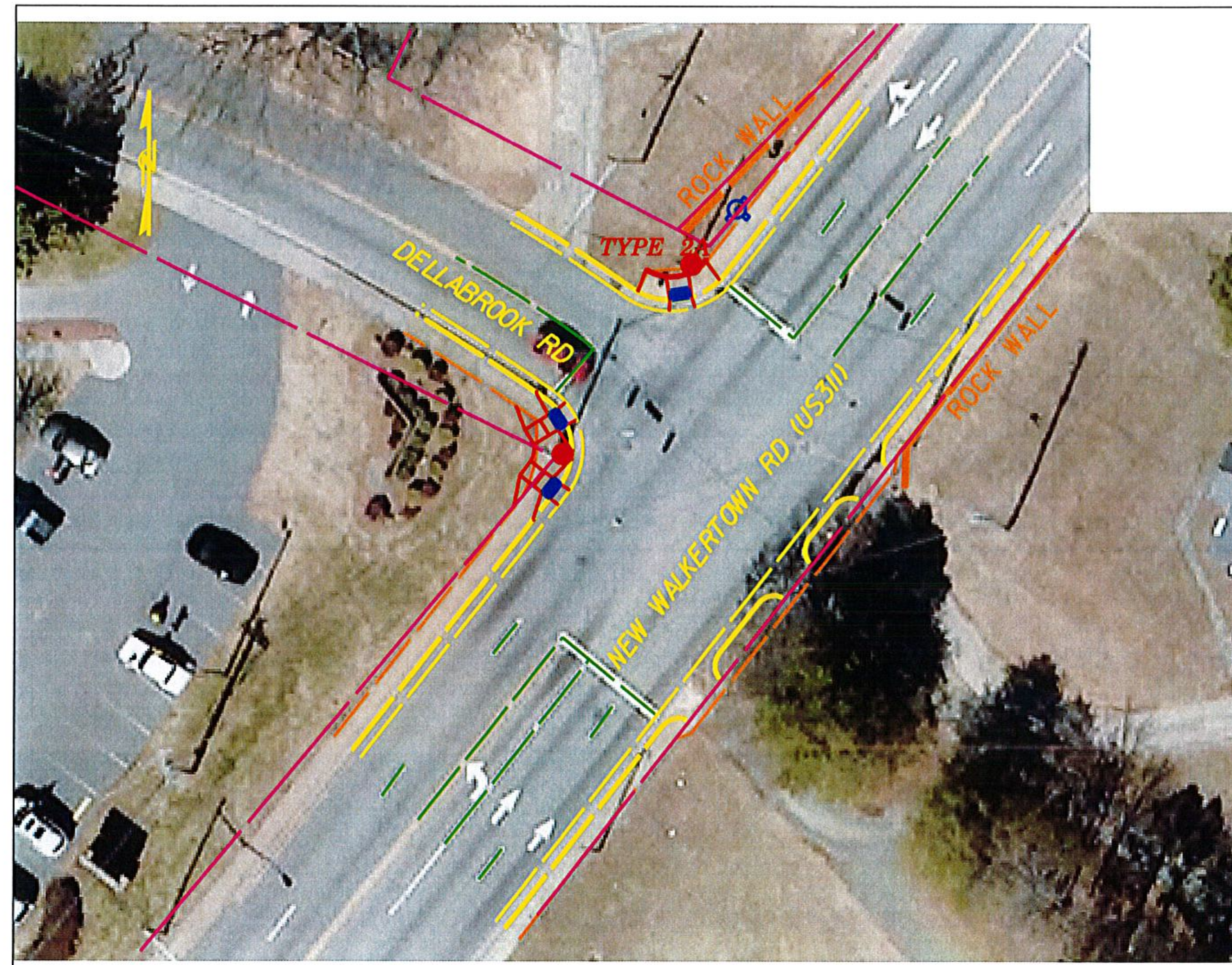
SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS



VICINITY MAP NTS

LOCATION: INTERSECTION OF NEW WALKERTOWN RD (US311) AND DELLABROOK ROAD

TYPE OF WORK: GRADING, DRAINAGE AND WCR



LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION — E —
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI. SEWER MANHOLE
SANI. SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	x
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.018	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
A	BAFFLE IN A SEDIMENT DAM (EVERY 10')	XXXXX
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20
PLANS
0
PROFILE (HORIZONTAL)
0
PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:
DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II
375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/18/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

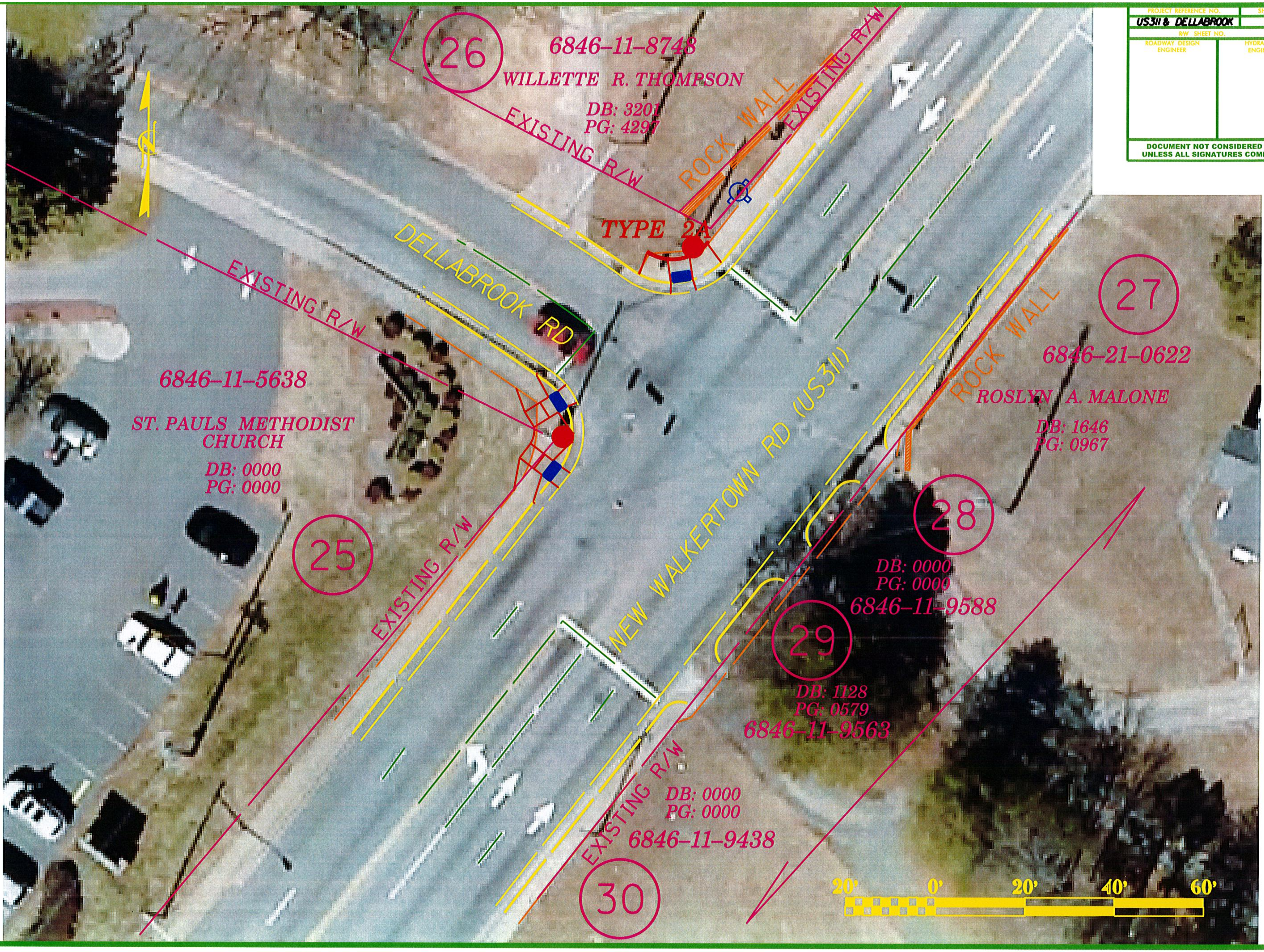
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

09/08/99

PROJECT REFERENCE NO.	SHEET NO.
US311 & DELLABROOK	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

8/17/99

$$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

STRAFFORD RD (US 158) & OLIVE ST

WBS #:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

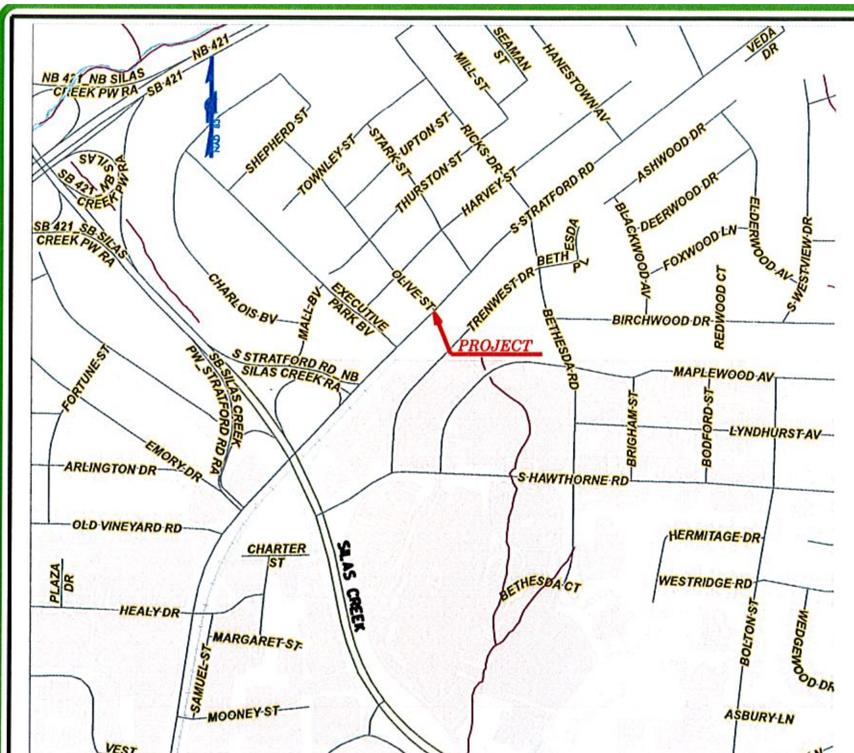
FORSYTH COUNTY

LOCATION: INTERSECTION OF STRAFFORD RD (US158) AND OLIVE ST

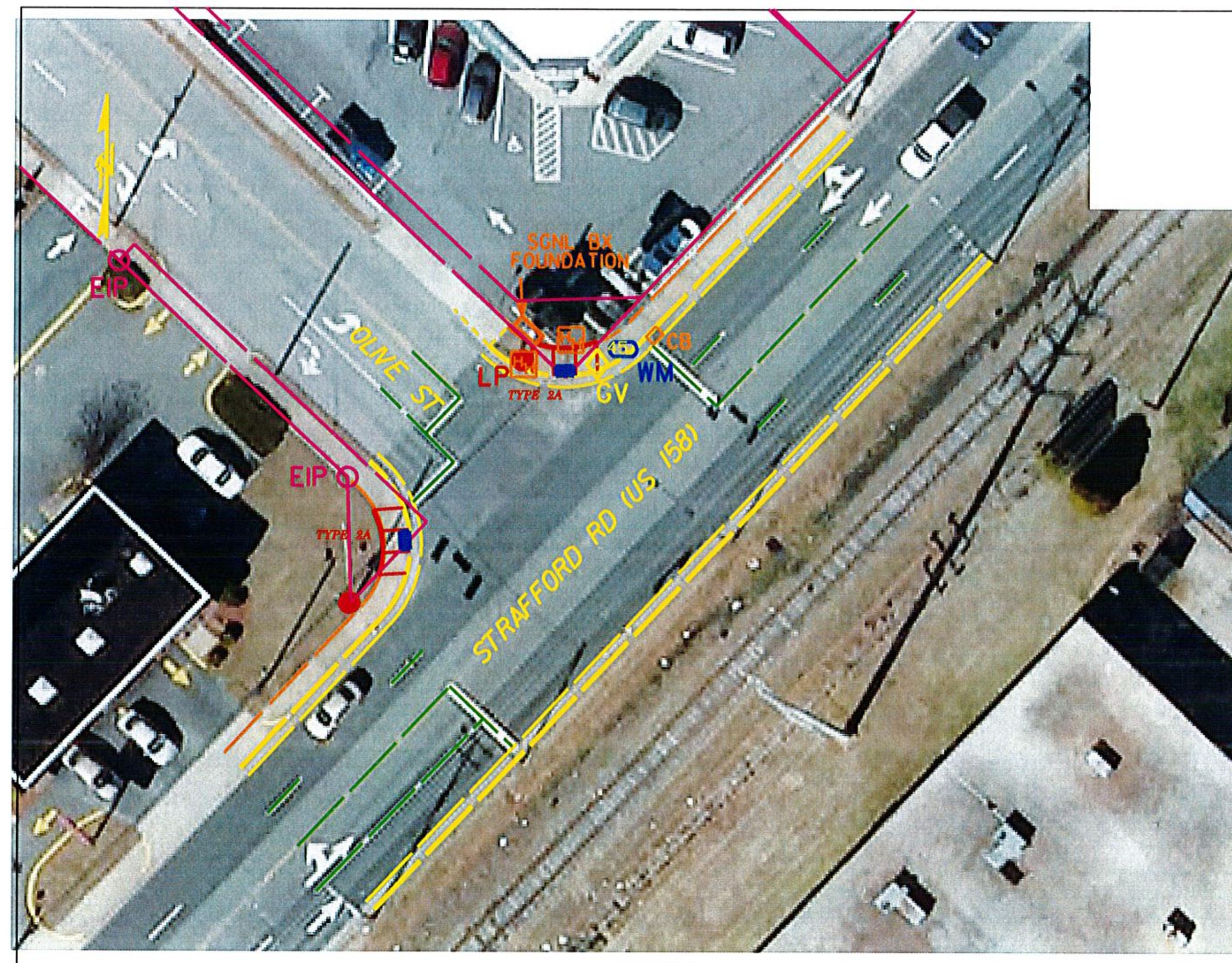
TYPE OF WORK: GRADING, DRAINAGE AND WCR

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	STRAFFORD & OLIVE ST	1	3

SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS



VICINITY MAP NTS



LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI. SEWER MANHOLE
SANI. SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A
896.02	TYPE B	B
896.03	TYPE C	C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (EVERY 10')	
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II

375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: FORSYTH
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/20/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
STRAFFORD & OLIVE	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/17/99

MAIN ST. (US 158) IN MOCKSVILLE

WBS #:

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	MAIN ST., MOCKSVILLE	1	3

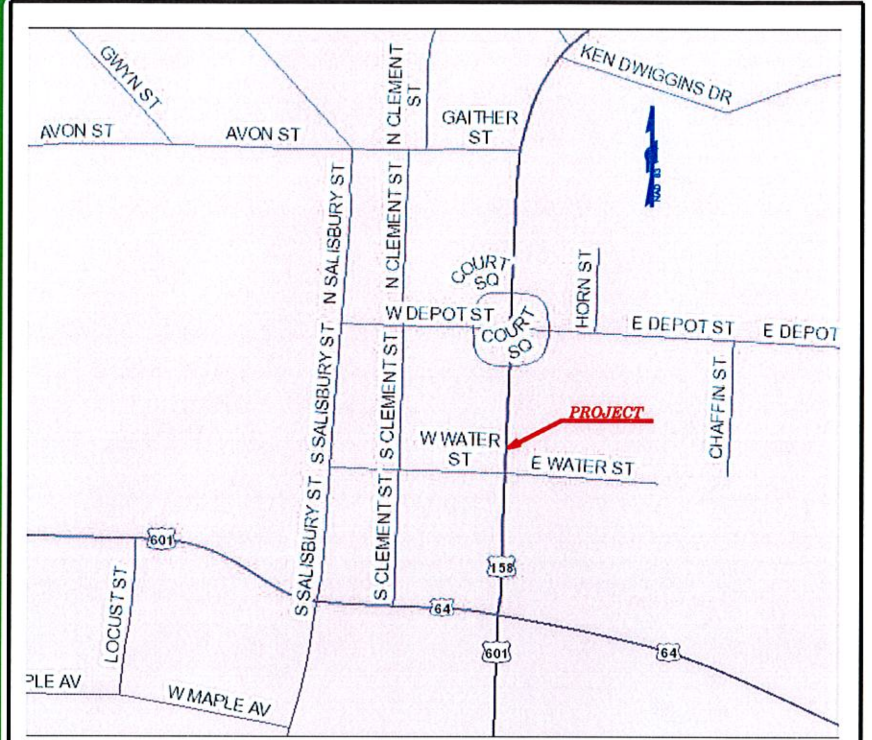
SHEET NAME	SHEET NUMBER	DESCRIPTION
DETAIL SHEET	2	TYPICALS
PLAN SHEET	4	CONSTRUCTION PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DAVIE COUNTY

LOCATION: ON MAIN ST. (US 158), MOCKSVILLE, IN FRONT OF THE COOPERATIVE EXTENSION SERVICES BLDNG

TYPE OF WORK: GRADING, DRAINAGE AND WCR



VICINITY MAP NTS

LEGEND

EXISTING EDGE OF PAVEMENT
EXISTING BACK OF CURB
EXISTING EDGE OF TRAVEL WAY
EXISTING CONCRETE ISLAND
PROPOSED EDGE OF PAVEMENT
PROPOSED BACK OF CURB
PROPOSED LANE LINES
(NOTE: STRIPING WILL BE DRAWN UP BY TRAFFIC SERVICES)
PROPOSED CONCRETE ISLAND
EXISTING RIGHT-OF-WAY LINE
PROPOSED RIGHT-OF-WAY LINE
EXISTING PROPERTY LINE
PROPOSED EASEMENT CONSTRUCTION
PROPOSED TOE OF SLOPE
PROPOSED CUT/FILL SLOPE

UTILITIES & STRUCTURES

UTILITY & SIGNAL POLE
POWER POLE
TELEPHONE PEDESTAL
GUY WIRE
SIGNAL BOX
SANI.SEWER MANHOLE
SANI.SEWER CLEANOUT
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CATCH BASIN & DI'S
GUARDRAIL
FENCE
SIDEWALK
TREE
HEDGE ROW
WOOD LINE

EROSION CONTROL LEGEND

ROCK INLET PROTECTION:

896.01	TYPE A	A OR A
896.02	TYPE B	B OR B
896.03	TYPE C	C OR C
897.01	ROCK PIPE INLET PROTECTION	
N/A	PIPE OUTLET ENERGY DISSIPATOR	
N/A	DRAINAGE TURNOUT	
N/A	RIP-RAP LINED DITCH	
N/A	STREAM	
N/A	HIGH POINT/ WATER FLOW DIRECTION	x
245.01	SILT BASIN TYPE A	
245.02	SILT BASIN TYPE B	
245.03	TEMPORARY SILT DITCH	TSD
245.05	TEMPORARY DIVERSION DITCH	TD
100.01B	STORM DRAINAGE GE PIPE	
890.05	TEMP. SLOPE DRAIN W/ EARTH BERM	
892.01	TEMPORARY ROCK SEDIMENT DAM TYPE A	
892.02	TEMPORARY ROCK SEDIMENT DAM TYPE B	
	A BAFFLE IN A SEDIMENT DAM (EVERY 10')	
892.04	TEMPORARY ROCK SILT CHECK TYPE A	
893.01	TEMPORARY SILT FENCE	
894.01	ROCK SILT SCREEN	
895.10	TEMPORARY ROCK SILT CHECK TYPE B	
N/A	WATTLE	

GRAPHIC SCALES

10 5 0 10 20

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

DESIGN DATA

NTS

PROJECT LENGTH

N/A

Prepared In the Office of:

DEPARTMENT OF TRANSPORTATION
DIV. 9 /DISTRICT II
375 Silas Creek Pkwy., Winston Salem NC, 27127

2012 STANDARD SPECIFICATIONS

COUNTY: DAVIE
W.O. NUMBER: 44919.1.1
PLAN SCALE: NA

4/25/2017 GWG
DATE DRAWN DRAWN BY
REVISED DATE DRAWN BY

DISTRICT ENGINEER

P.E.
SIGNATURE:

DIVISION TRAFFIC ENGINEER

P.E.
SIGNATURE:

$$$$$SYSTIME$$$$
$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$
$$$USERNAME$$$$

8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
MAIN ST. MOCKSVILLE	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
ADA WCR RESTORATION	2.1
DETAIL SHEET NO.	1 OF 8

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

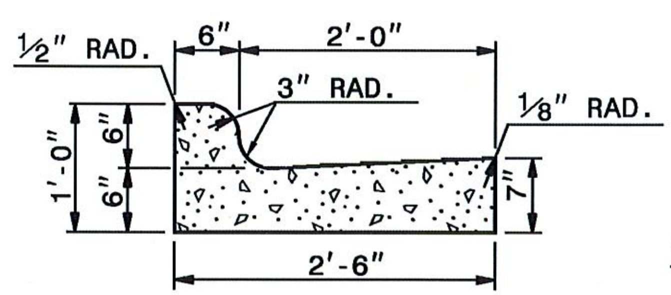
8/17/99

REVISIONS

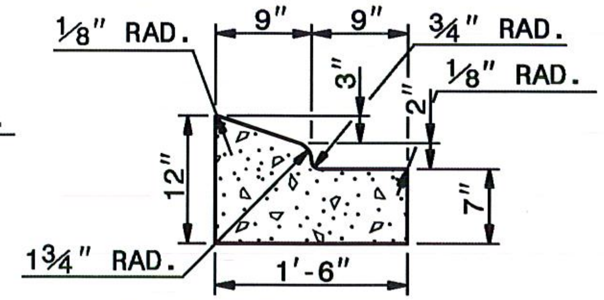
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

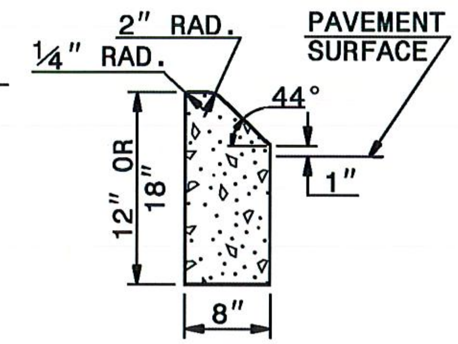
ENGLISH STANDARD DRAWING FOR
CONCRETE CURB, GUTTER AND CURB & GUTTER



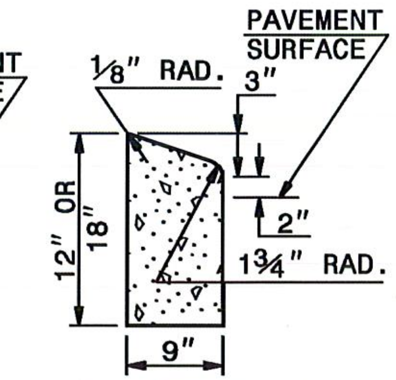
2'-6" CURB AND GUTTER



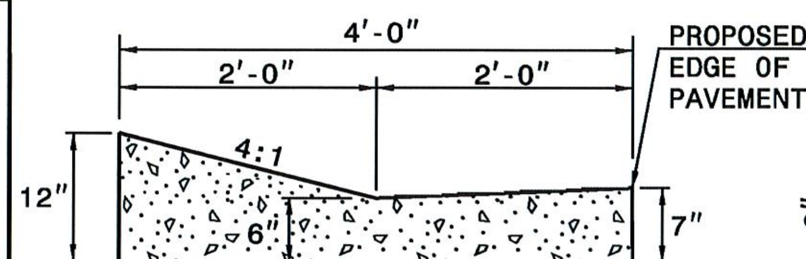
1'-6" CURB AND GUTTER



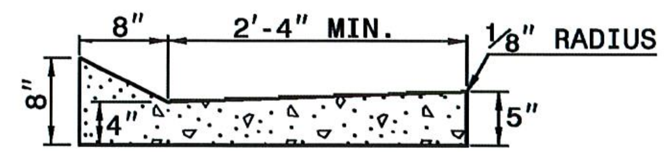
8" X 12" OR 18" CONCRETE CURB



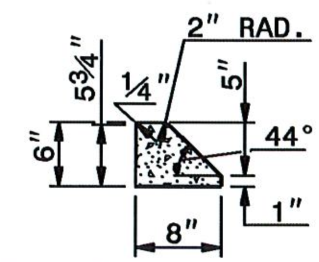
9" X 12" OR 18" CONCRETE CURB



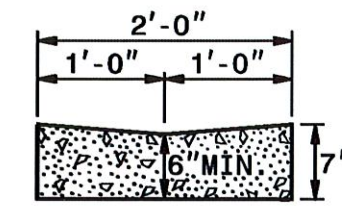
EXPRESSWAY GUTTER



SHOULDER BERM GUTTER



8" X 6" MEDIAN CURB

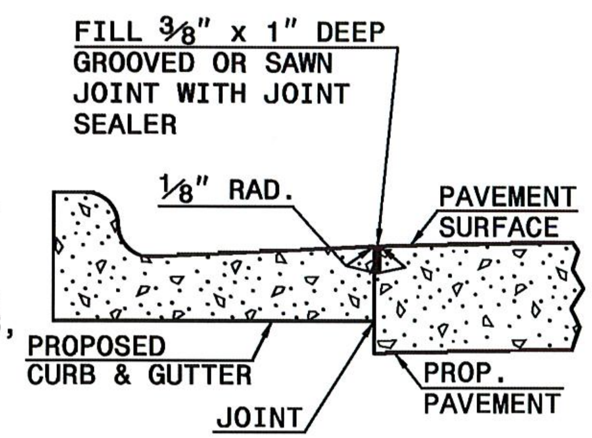


VALLEY GUTTER

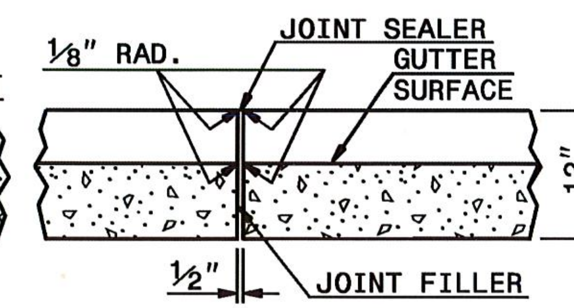
SECTION VIEW OF CURBS OR CURBS AND GUTTERS

GENERAL NOTES:

- PLACE CONTRACTION JOINTS AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
- JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
- CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. CONSTRUCT NON-TEMPLATE FORMED JOINTS A MIN. OF 1½" DEEP.
- FILL ALL CONSTRUCTION JOINTS, EXCEPT IN 8"x6" MEDIAN CURB, WITH JOINT FILLER AND SEALER.
- SPACE EXPANSION JOINTS AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.



LONGITUDINAL JOINT



TRANSVERSE EXPANSION JOINT IN CURB AND GUTTER

SECTION VIEW OF JOINTS

SHEET 1 OF 3

846.01

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR
CONCRETE CURB, GUTTER AND CURB & GUTTER

SHEET 1 OF 3

846.01

PROJECT REFERENCE NO.	SHEET NO.
ADA WCR RESTORATION	2.2
DETAIL SHEET NO.	2 OF 8

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

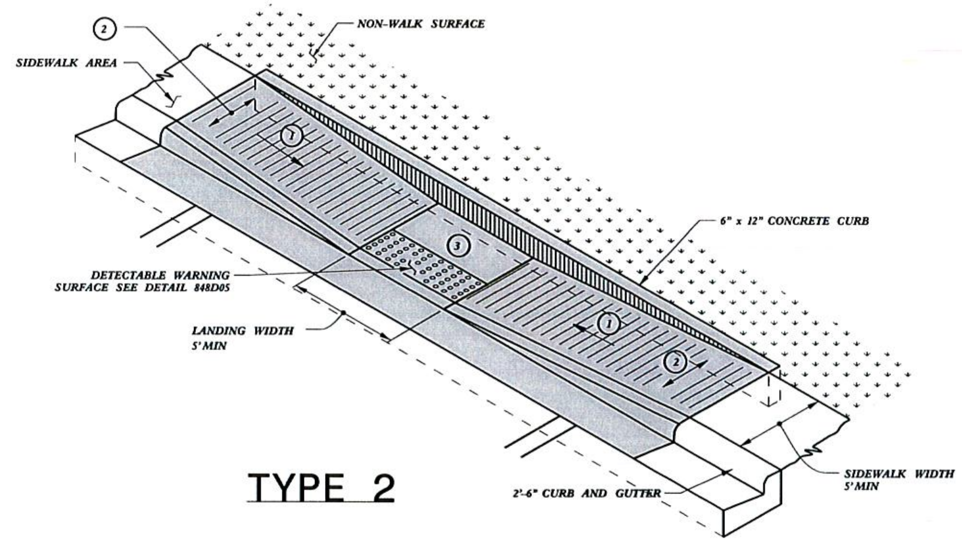
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.

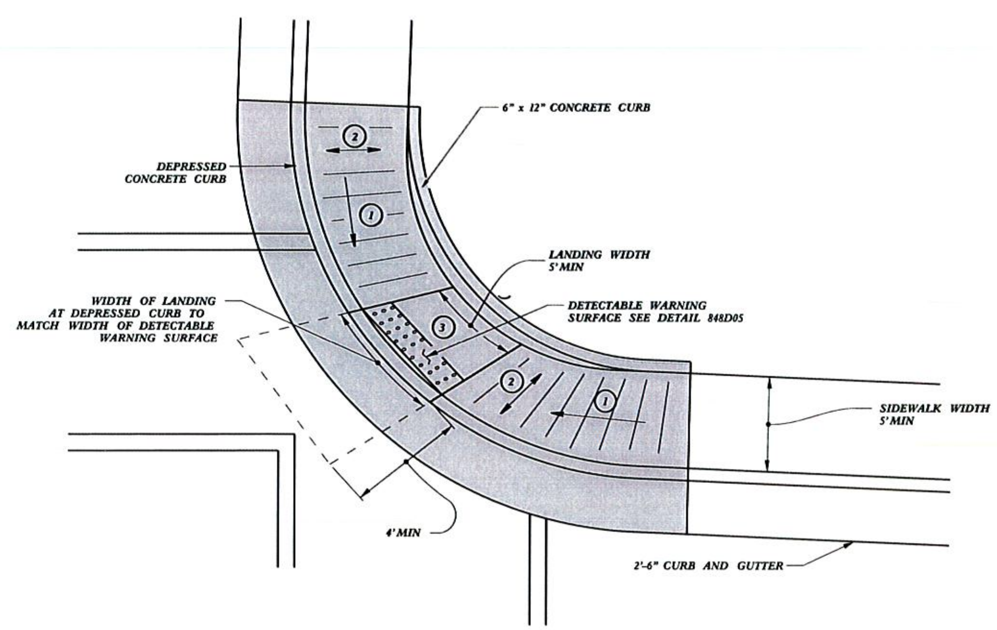
5/14/99



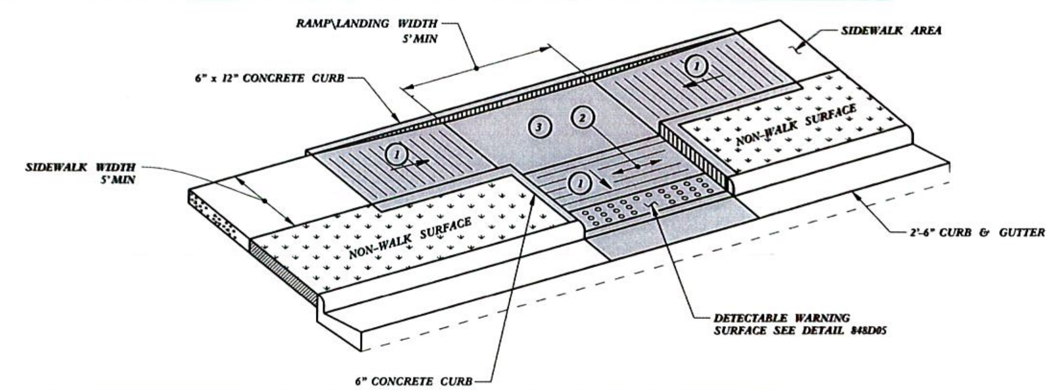
TYPE 2

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

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

Parallel Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: ...tds/2012CurbRamp/CurbRampDetails.dgn

S:\Contracts\Contracts\Special Details\jhowerton\Standard Drawings\2012 Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dgn
22-MAR-2012 15:07
S:\Contracts\Contracts\Special Details\...
jhowerton AT CSU237501

$$$$$$$$SYSTIME$$$$
$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
ADA WCR RESTORATION	2.3
DETAIL SHEET NO.	3 OF 8

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

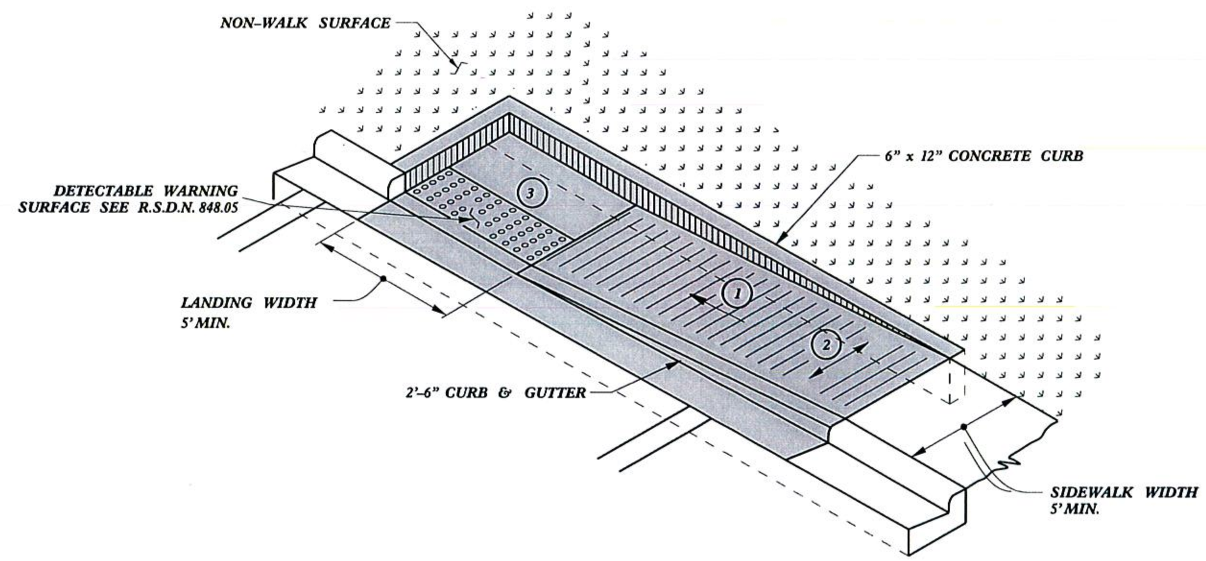
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

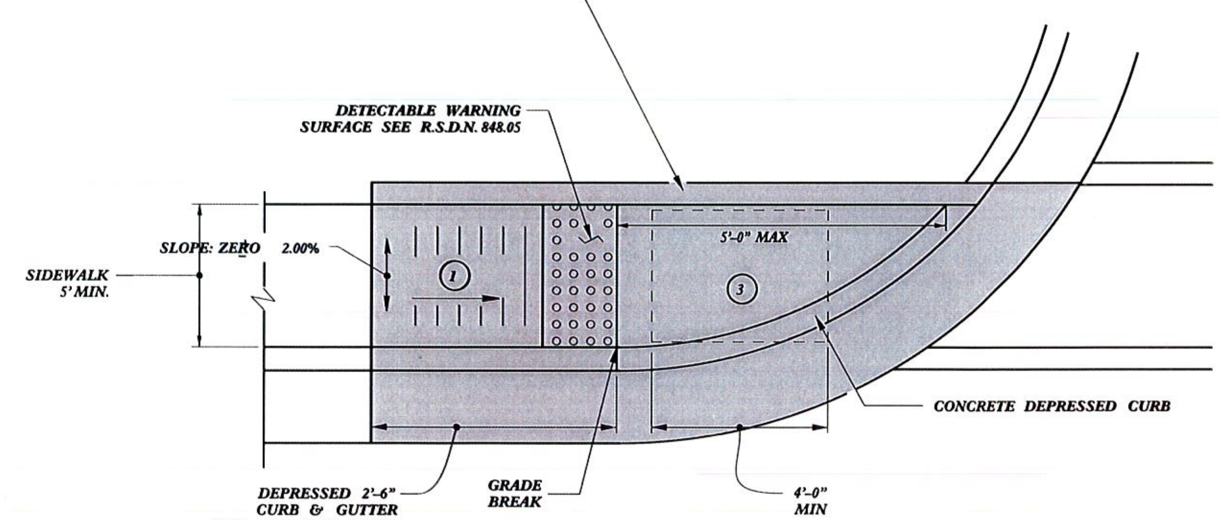
8/17/99

5/14/99

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. ~tds/2012CurbRamp/CurbRampDetails.dgn

22-MAR-2012 15:06
S:\Contracts\Contracts\Special Details\jhowerton\Standard Drawings\2012 Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dgn
jhowerton AT CS023798T

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

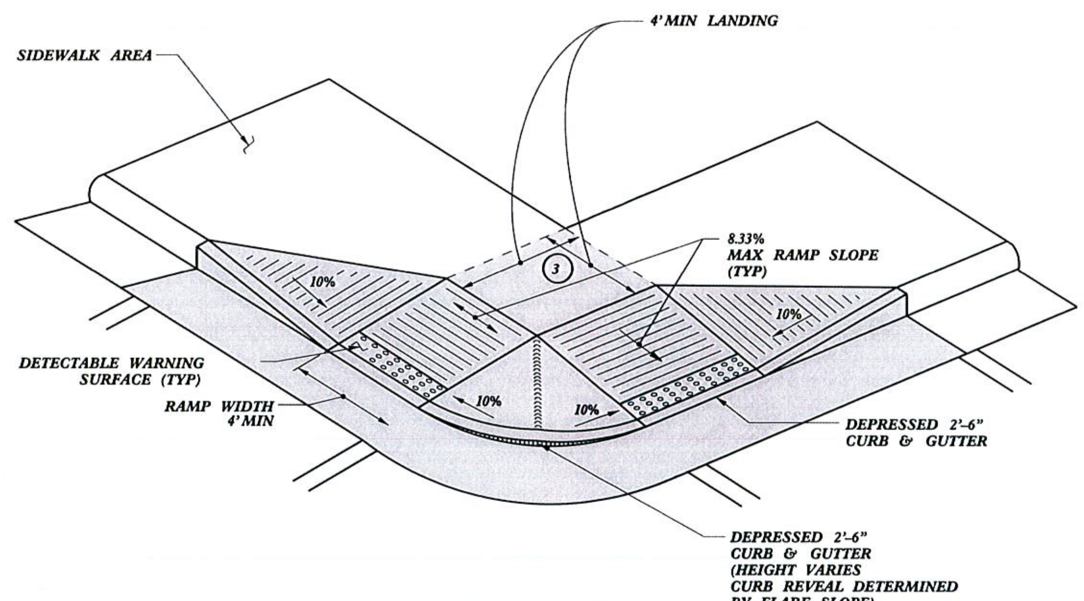
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

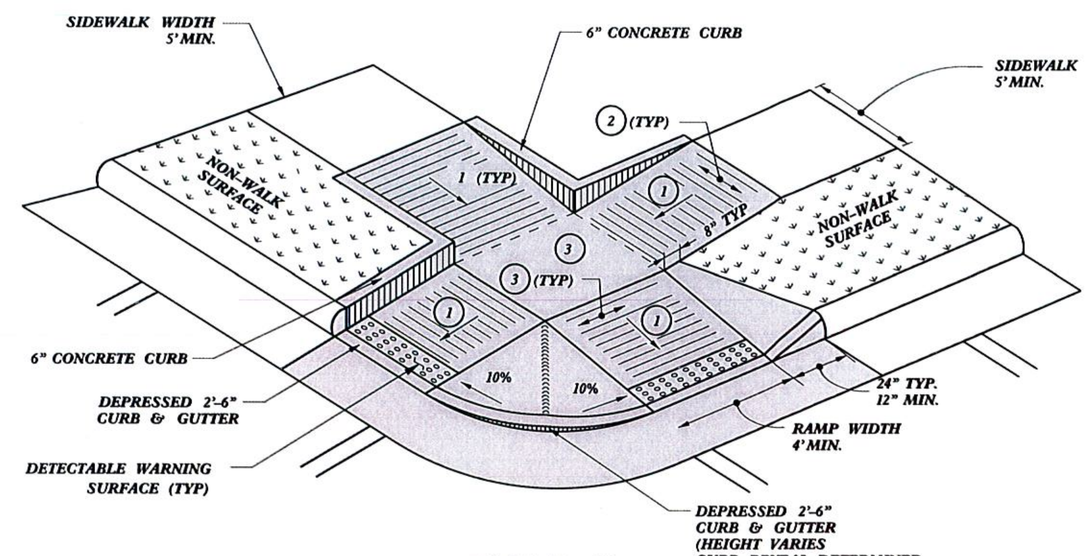
8/17/99

REVISIONS

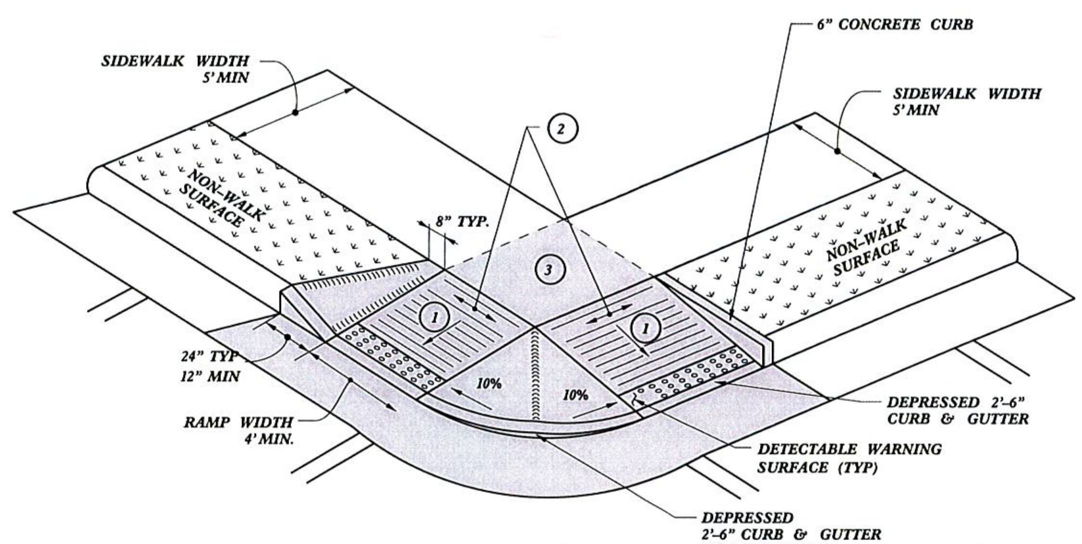
PAY LIMITS FOR CURB RAMP



TYPE 4



TYPE 5



TYPE 4A

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

Shared Landing

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: stds/2012CurbRamp/CurbRampDetails.dgn

5/14/99

22-MAR-2012 15:08
S:\Contracts\Contracts\Special Details\jhowerton\Standard Drawings\2012 Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dgn
jhowerton AT CS023750

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
ADA WCR RESTORATION	2.5
DETAIL SHEET NO.	5 OF 8

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

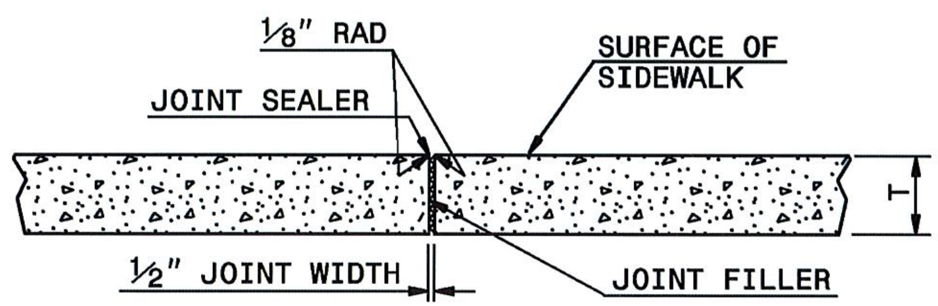
ENGLISH STANDARD DRAWING FOR
CONCRETE SIDEWALK

NOTES:

CONSTRUCT STANDARD SIDEWALK 5′ WIDE AND 4″ THICK UNLESS OTHERWISE DENOTED ON PLANS.

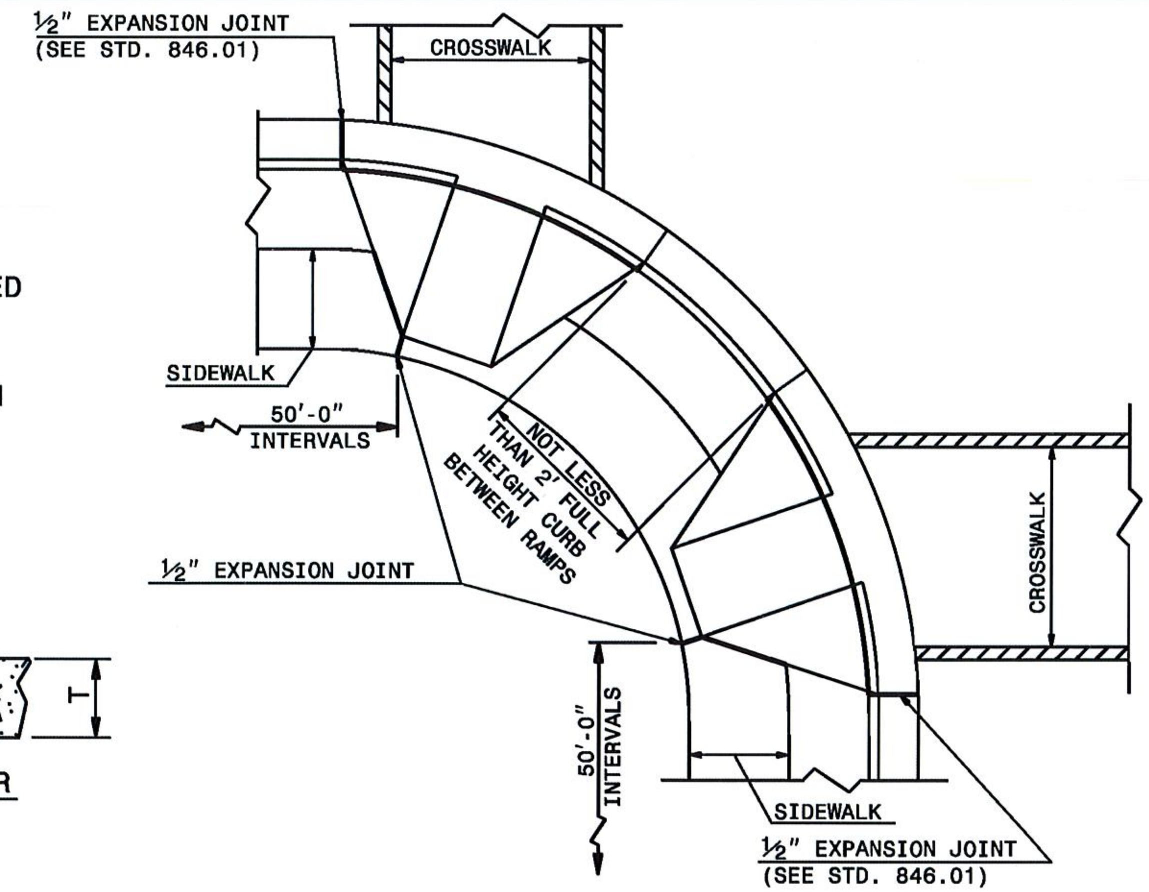
PLACE A GROOVE JOINT 1″ DEEP WITH 1/8″ RADII IN THE CONCRETE SIDEWALK AT 5′ INTERVALS. ONE 1/2″ EXPANSION JOINT WILL BE REQUIRED AT 50′ INTERVALS. A 1/2″ EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.05 FOR WHEELCHAIR RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.

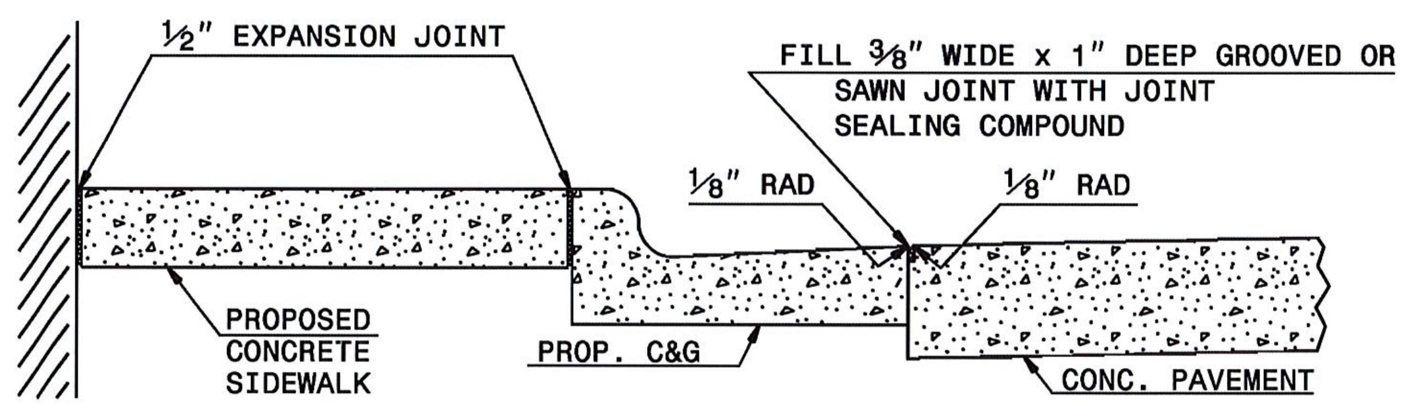


T = SIDEWALK THICKNESS

TRANSVERSE EXPANSION JOINT IN SIDEWALK



PLAN VIEW



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

SHEET 1 OF 1
848.01

REVISIONS

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
ADA WCR RESTORATION	2.6
DETAIL SHEET NO.	6 OF 8

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/17/99

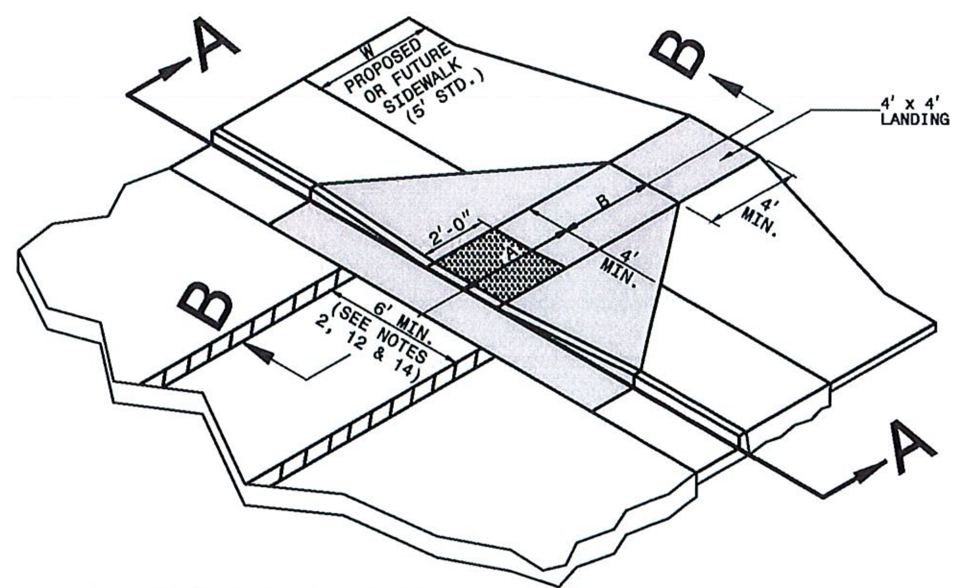
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

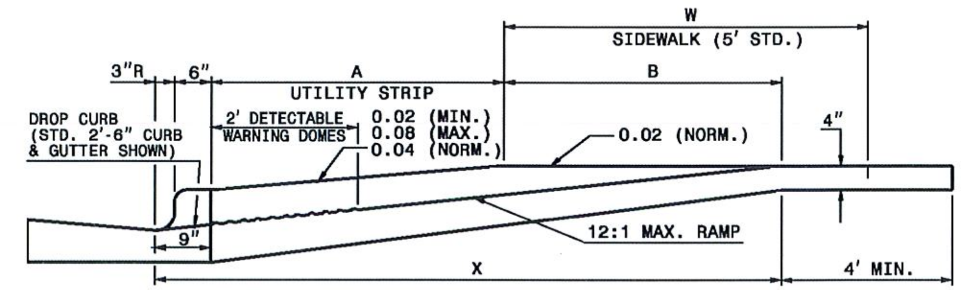
CURB RAMP

PROPOSED CURB AND GUTTER

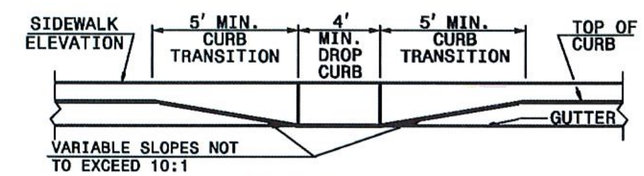


ISOMETRIC VIEW

PAY LIMITS FOR CURB RAMP



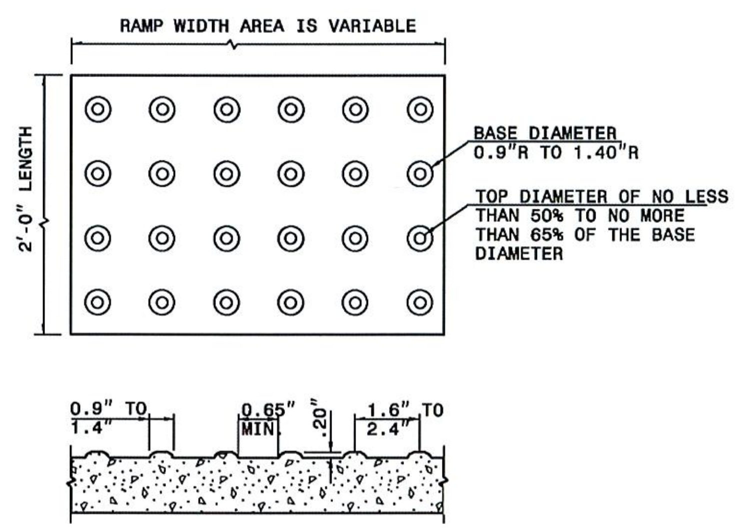
SECTION B-B



SECTION A-A

NOTES:

1. DETECTABLE WARNING DOMES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
2. DETECTABLE WARNING DOMES WILL CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING DOMES

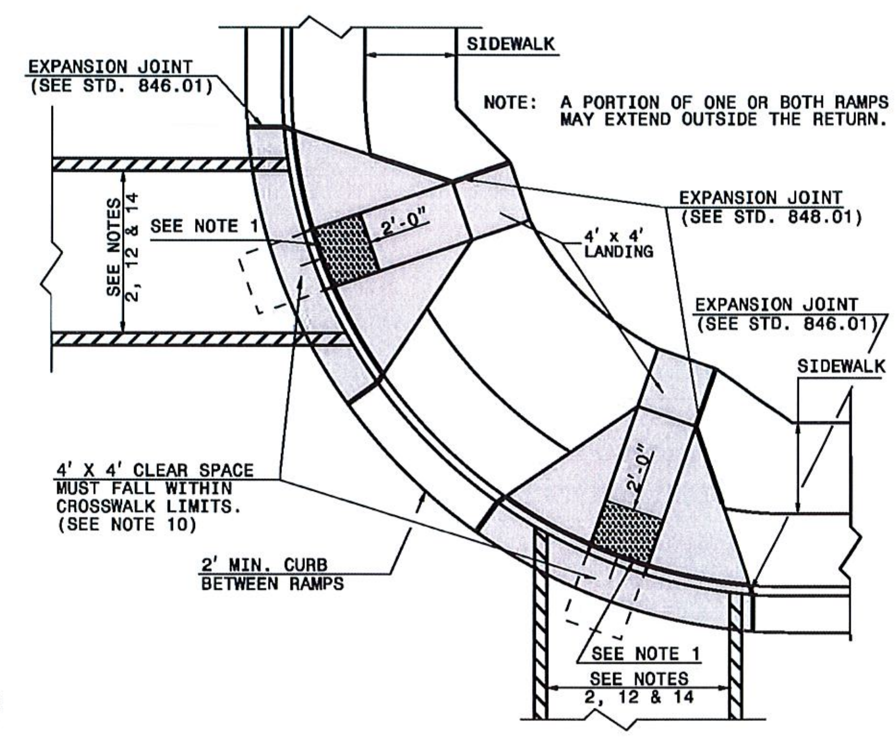
W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0'*
6'	0.0'	6.8'	6.8'	6.0'**
7'	0.0'	7.8'	7.3'	6.5'**
8'	0.0'	8.8'	7.3'	6.5'**
5'	2.0'	7.8'	7.8'	5.0'
5'	2.5'	8.3'	8.1'	4.8'
5'	3.0'	8.8'	8.3'	4.4'
5'	3.5'	9.3'	8.4'	4.1'
5'	4.0'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5.0'	10.8'	8.9'	3.1'

B = X-(A+9")

B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE.

* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.

** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.



PLAN VIEW

DUAL RAMPS
ANY RADII
(4' MIN. FLOOR WIDTH)

SHEET 1 OF 3

848.05

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

CURB RAMP

PROPOSED CURB AND GUTTER

SHEET 1 OF 3

848.05

$$$$$SYSTIME$$$$ $$$$$$DGN$$$$$$$$ $$$$USERNAME$$$$

ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

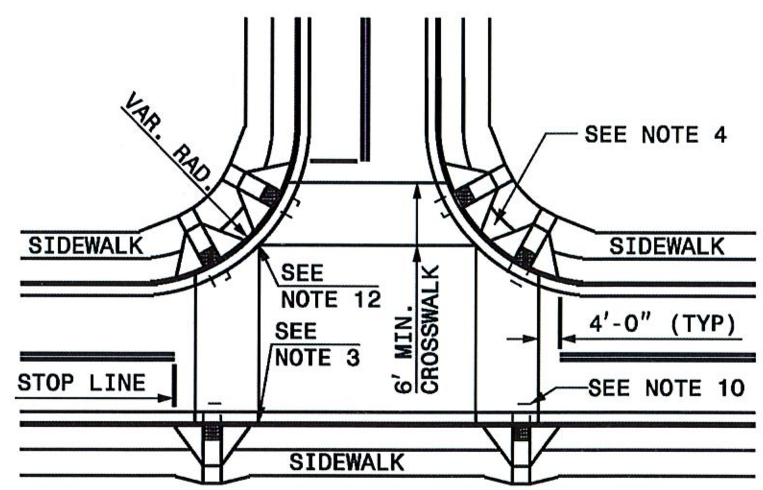
REVISIONS

8/17/99

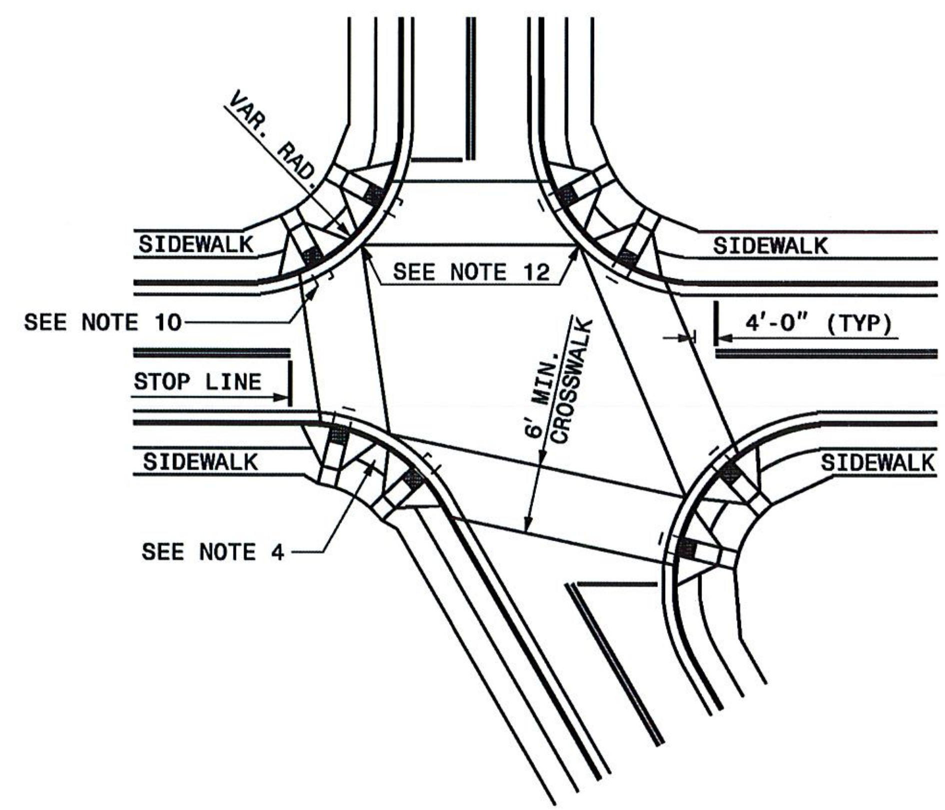
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR
CURB RAMP
PROPOSED CURB AND GUTTER



DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS



DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES

ROADWAY PLAN SYMBOL
CR
FOR PROPOSED CURB RAMP

PROPOSED CURB RAMP W/ LANDING
PROPOSED OR FUTURE SIDEWALK

ALLOWABLE LOCATIONS

DUAL RAMP RADII...........ANY

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR
CURB RAMP
PROPOSED CURB AND GUTTER

SHEET 2 OF 3
848.05

PROJECT REFERENCE NO.	SHEET NO.
ADA WCR RESTORATION	2 .8
DETAIL SHEET NO.	8 OF 8

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

CURB RAMPS

NOTES

NOTES:

1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGHT THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'X5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A ½" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR THE DETAILS OR FOR A SPECIAL DESIGN.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR

CURB RAMPS

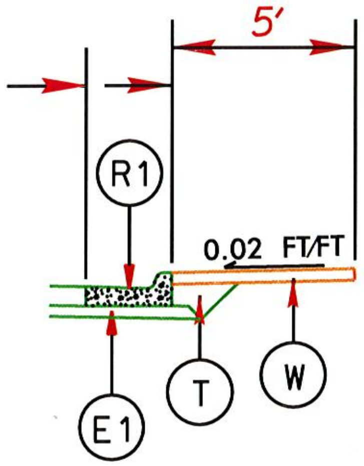
NOTES

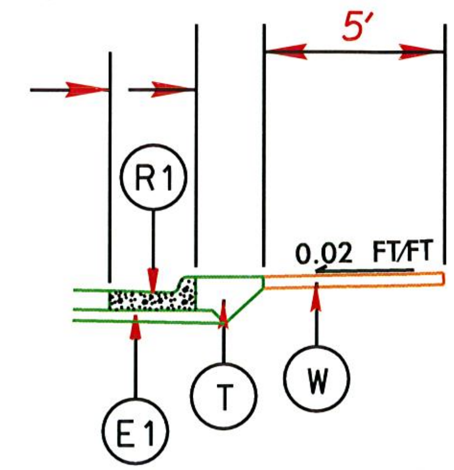
SHEET 3 OF 3

848.05

SHEET 3 OF 3

848.05





PAVEMENT STRUCTURE

E1	PROP. APPROX. 5-1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0 B, AT AN AVERAGE RATE OF 114 LBS. PER IN. PER SQ. YD.
R1	2'-6" STANDARD CONCRETE CURB AND GUTTER (STD. 846.01)
W	5' SIDEWALK
T	EARTH; SHOULDER (2'-3'); GRASS STRIP
NOTE:	

REVISIONS