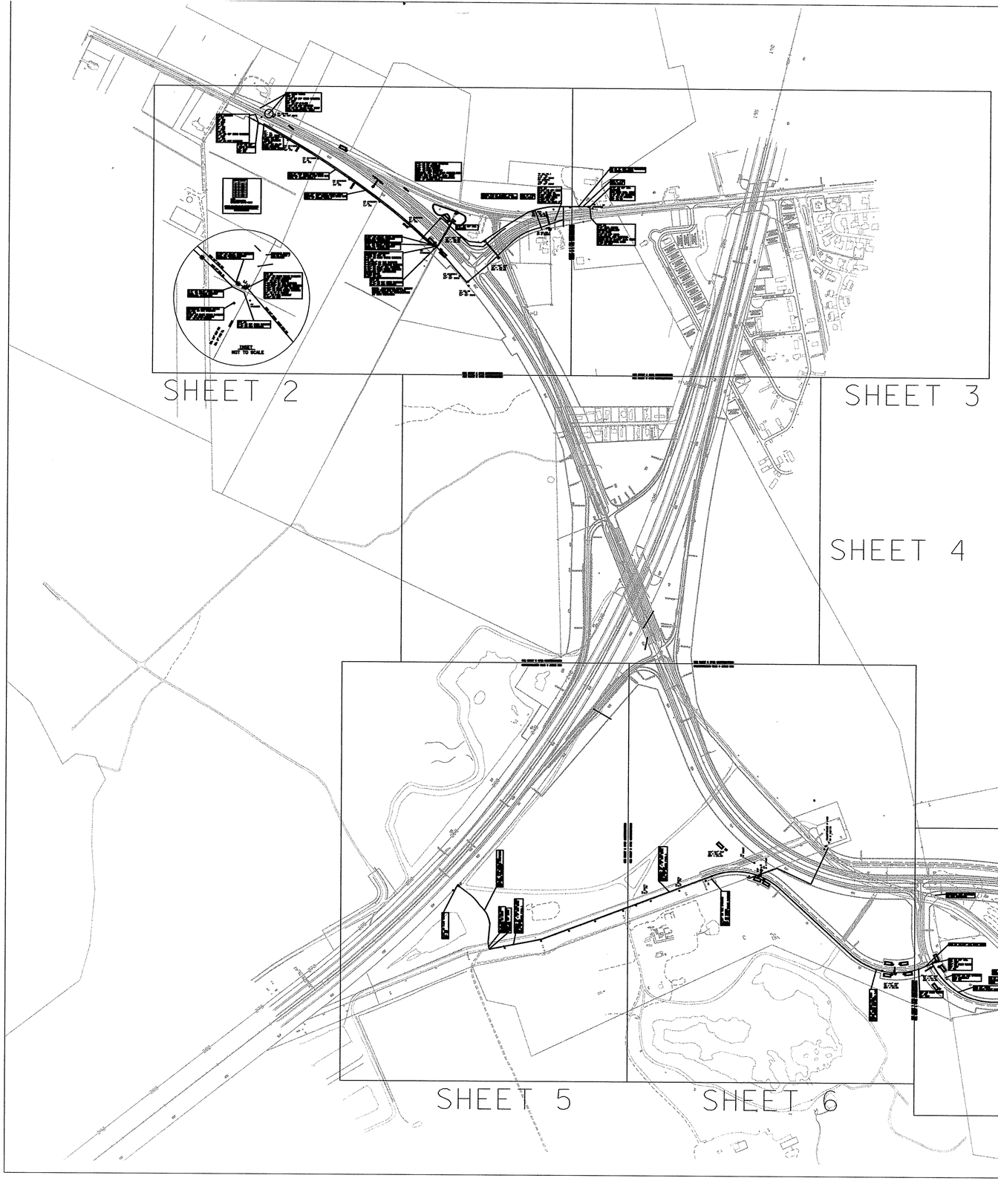
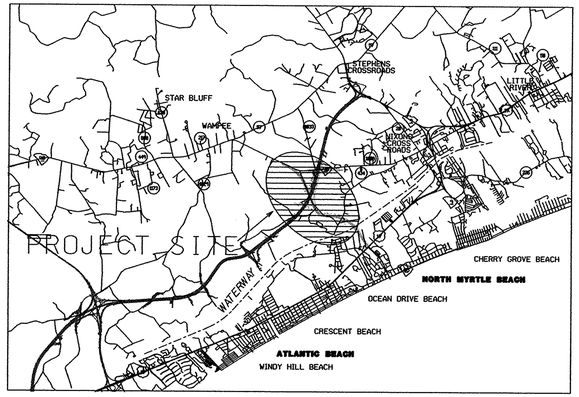




LOCATION MAP
NOT TO SCALE

NMB CONNECTOR WATER AND SEWER RELOCATIONS

REVISION	BY	DATE
AS-BUILT	REP	MAY 2006

GRAND STRAND WATER & SEWER AUTHORITY
1703 JACKSON BLUFF RD.
POST OFFICE BOX 3339
CONWAY, SC 29528-3339
(843) 347-4841 OR 448-1685
FAX (843) 347-0600 (CONW)
E-MAIL JLC@GSWSA.ORG

NMB CONNECTOR WATER AND SEWER RELOCATIONS

(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #496-01 /SEWER PROJ. #887-01

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 21255
CHRISTINA S. EVERETT

DATE: MAY 2004
SCALE: 1" = 400 FEET
FILENAME: NMB-CONNECTOR

DRAWN BY	ROBERT E. PERKINS
CHECKED BY	CHRISTINA S. EVERETT

APPROVED BY

CHRISTINA S. EVERETT PE #21255

SHEET 1 OF 7

DWG # 41-011-001/007

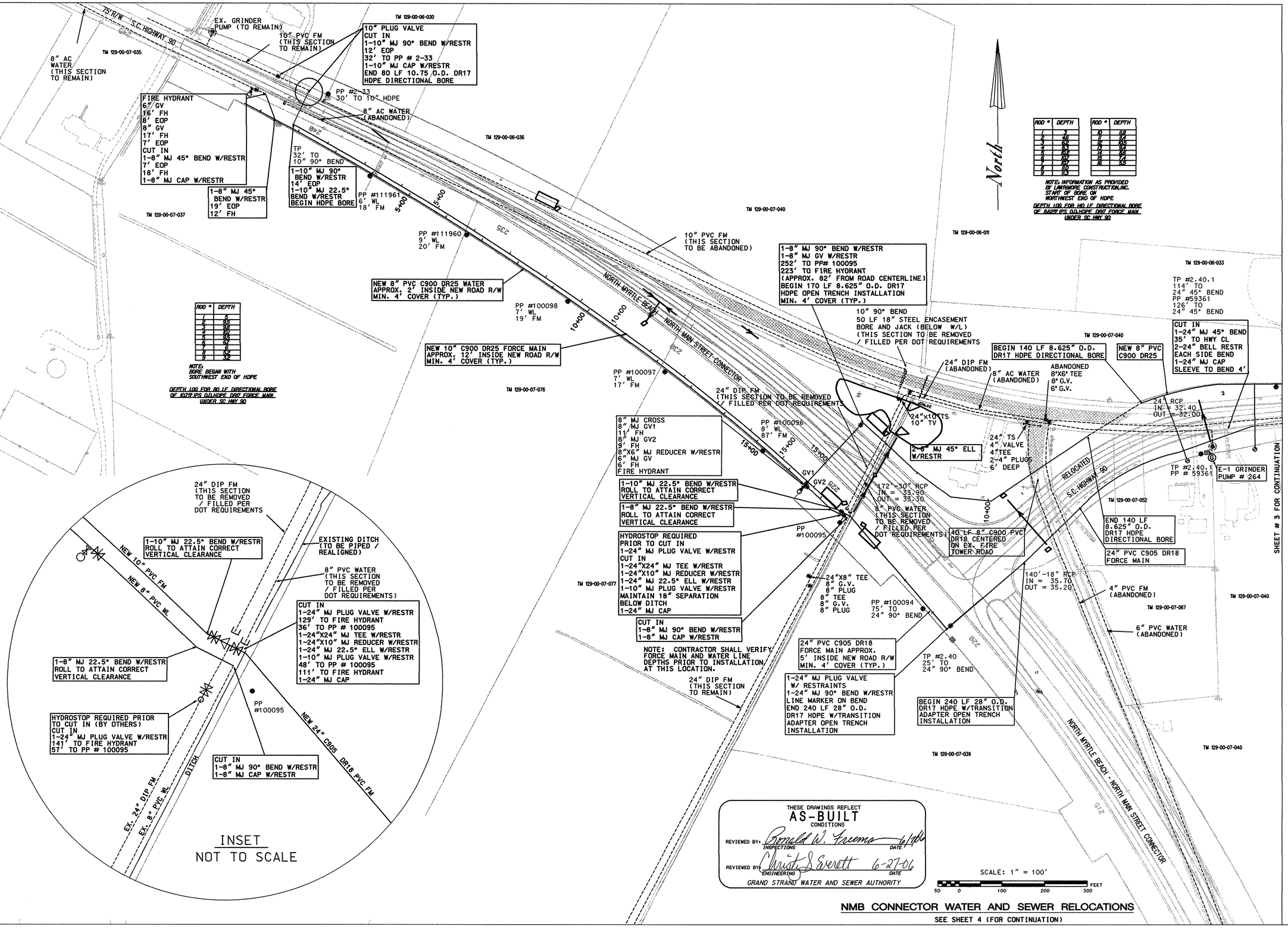
F:\Projects\Carolina Bays P May. 17, 2006 15:00:43

REVISION	BY	DATE
1 - ADDED HORIZONTAL REQUIREMENT AND 24" PLUG VALVE 2 - SBO REVISION 3 - AS-BUILT	REP REP REP	9/5/2006 12/2006 May 2006

GRAND STRAND WATER & SEWER AUTHORITY
170 JACKSON BLUFF RD.
POST OFFICE BOX 2139
CONWAY, SC 29528-2139
(843) 347-3441 FAX (843) 347-1036
E-MAIL: GSWSA.COM

NMB CONNECTOR WATER AND SEWER RELOCATIONS
(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #496-01, SEWER PROJ. #887-01



ROD #	DEPTH
1	3
2	4.5
3	5.5
4	6.5
5	7.5
6	8.5
7	9.5
8	10.5
9	11.5
10	11.5
11	11.5
12	12.5
13	13.5
14	13.5
15	13.5
16	12.5
17	5.5
18	3

NOTE: INFORMATION AS PROVIDED BY LANDMORE CONSTRUCTION,INC. START OF BORE ON NORTHWEST END OF HDPE

DEPTH LOG FOR 140 LF DIRECTIONAL BORE OF 8.625"IPS O.D.HDPE DRT FORCE MAIN UNDER SC HWY 90

ROD #	DEPTH
1	5
2	8.5
3	9.5
4	9.5
5	8.5
6	6.5
7	6
8	5.5
9	3.5

NOTE:
BORE BEGAN WITH SOUTHWEST END OF HDPE

DEPTH LOG FOR 80 LF DIRECTIONAL BORE OF 10.75"IPS O.D.HDPE DRT FORCE MAIN UNDER SC HWY 90

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: Ronald W. Freeman 6/14/06
INSPECTIONS DATE

REVIEWED BY: Christina S. Everett 6-27-06
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY

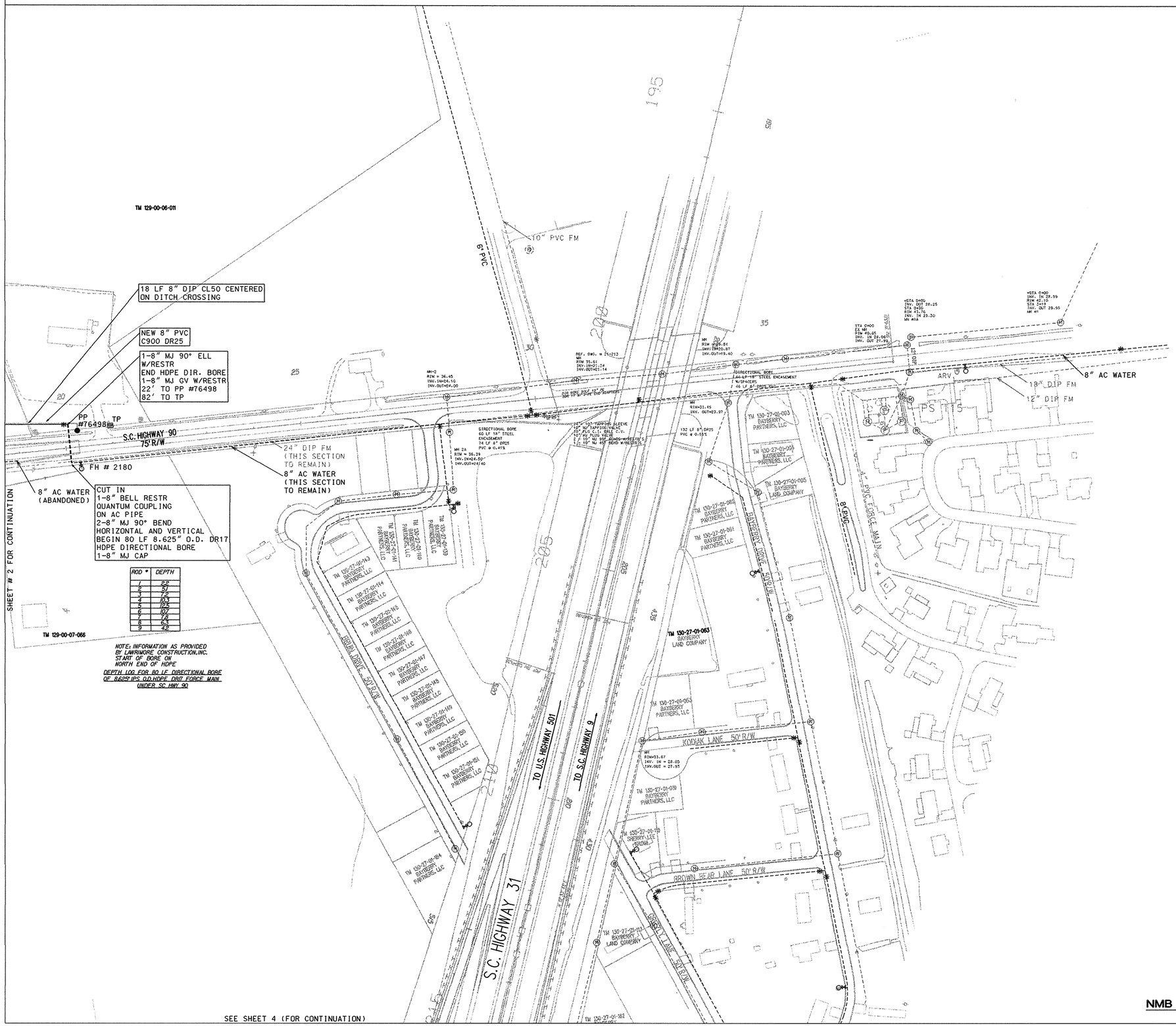
SCALE: 1" = 100'
50 0 100 200 300 FEET

NMB CONNECTOR WATER AND SEWER RELOCATIONS
SEE SHEET 4 (FOR CONTINUATION)

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 21255 CHRISTINA S. EVERETT

DATE: JUNE 2004
SCALE: 1" = 100 FEET
FILENAME: NMB-CONNECTOR
DRAWN BY: ROBERT E. PERKINS
CHECKED BY: CHRISTINA S. EVERETT
APPROVED BY
CHRISTINA S. EVERETT PE #21255
SHEET 2 OF 7
DWG # 41-011-002 /007

P:\Robert\projects\cad\nmb days p Jun 21, 2006 10:56:23


North
18 LF 8" DIP CL50 CENTERED ON DITCH CROSSING
NEW 8" PVC C900 DR25
1-8" MJ 90° ELL W/RESTR
END HDPE DIR. BORE
1-8" MJ GV W/RESTR
22' TO PP #76498
82' TO TP
PP #76498
TP
S.C. HIGHWAY 90
75' R/W
FH # 2180
8" AC WATER (ABANDONED)
CUT IN
1-8" BELL RESTR
QUANTUM COUPLING
ON AC PIPE
2-8" MJ 90° BEND
HORIZONTAL AND VERTICAL
BEGIN 80 LF 8.625" O.D. DR17
HDPE DIRECTIONAL BORE
1-8" MJ CAP
24" DIP FM (THIS SECTION TO REMAIN)
8" AC WATER (THIS SECTION TO REMAIN)
10" PVC FM
6" PVC
8" AC WATER
18" DIP FM
12" DIP FM
ARV
4" PVC FORCE MAIN
SHEET # 2 FOR CONTINUATION
TM 129-00-06-011
TM 129-00-07-066
ROD * | DEPTH
1 | 82
2 | 97
3 | 92
4 | 103
5 | 105
6 | 107
7 | 98
8 | 93
9 | 92
NOTE: INFORMATION AS PROVIDED BY LAWRIMORE CONSTRUCTION, INC. START OF BORE ON NORTH END OF HDPE
DEPTH LOG FOR 80 LF DIRECTIONAL BORE OF 8.625" IPS O.D. HDPE DR17 FORCE MAIN UNDER SC HWY 90
DIRECTIONAL BORE 66 LF 18" STEEL ENCASEMENT W/SPACERS
46 LF 8" DR25 PVC
132 LF 8" DR25 PVC @ -0.85%
24"x18" TAPPING SLEEVE
18" MJ TAPPING VALVE
18" PLG C.I. BELL
18"x8" PLUG VALVE
2-90° MJ BSD BENDS W/RESTR'S
2-45° MJ BSD BENDS W/RESTR'S
MH 1A RIM = 36.45 INV. IN=24.10 INV. OUT=24.00
MH 2A RIM = 36.29 INV. IN=24.50 INV. OUT=24.40
MH 3 RIM = 34.84 INV.: IN=20.97 INV. OUT=19.40
MH RIM=31.45 INV. OUT=23.97
MH RIM=33.67 INV. IN = 28.03 INV. OUT = 27.93
STA 0+00 EX MH RIM 40.95 INV. IN 26.06 INV. OUT 21.96
STA 0+52 RIM 42.10 INV. IN 29.59 INV. OUT 29.49 MH #1
STA 0+00 INV. IN 28.59 RIM 42.10 STA 2+19 INV. IN 28.25 STA 0+52 RIM 43.76 INV. IN 23.20 MH #1A
REF. DWG. # 24-213 MH RIM 35.61 INV.: IN=22.24 INV.: OUT=21.14
TM 130-27-01-003 BAYBERRY PARTNERS, LLC
TM 130-27-01-004 BAYBERRY PARTNERS, LLC
TM 130-27-01-005 BAYBERRY LAND COMPANY
TM 130-27-01-060 BAYBERRY PARTNERS, LLC
TM 130-27-01-061 BAYBERRY PARTNERS, LLC
TM 130-27-01-063 BAYBERRY LAND COMPANY
TM 130-27-01-063 BAYBERRY PARTNERS, LLC
TM 130-27-01-039 BAYBERRY PARTNERS, LLC
TM 130-27-01-110 SHERRY LEE BROWN
TM 130-27-01-111 BAYBERRY LAND COMPANY
TM 130-27-01-143 BAYBERRY PARTNERS, LLC
TM 130-27-01-144 BAYBERRY PARTNERS, LLC
TM 130-27-01-145 BAYBERRY PARTNERS, LLC
TM 130-27-01-146 BAYBERRY PARTNERS, LLC
TM 130-27-01-147 BAYBERRY PARTNERS, LLC
TM 130-27-01-148 BAYBERRY PARTNERS, LLC
TM 130-27-01-149 BAYBERRY PARTNERS, LLC
TM 130-27-01-150 BAYBERRY PARTNERS, LLC
TM 130-27-01-151 BAYBERRY PARTNERS, LLC
TM 130-27-01-164 BAYBERRY PARTNERS, LLC
TM 130-27-01-165 BAYBERRY PARTNERS, LLC
TM 130-27-01-166 BAYBERRY PARTNERS, LLC
TM 130-27-01-167 BAYBERRY PARTNERS, LLC
TM 130-27-01-168 BAYBERRY PARTNERS, LLC
TM 130-27-01-169 BAYBERRY PARTNERS, LLC
TM 130-27-01-170 BAYBERRY PARTNERS, LLC
TM 130-27-01-171 BAYBERRY PARTNERS, LLC
TM

SEE SHEET 2 (FOR CONTINUATION)

SEE SHEET 3 (FOR CONTINUATION)

4" PVC FM (ABANDONED)

6" PVC WATER (ABANDONED)

3" PVC WATER (ABANDONED)

ABANDONED LOCATION
PUMP STATION # 240
ALL ABOVE GROUND ITEMS
REMOVED

PREVIOUS LOCATION
PERSIMMON RIDGE
SUBDIVISION
GRAVITY SEWER SYSTEM
ABANDONED. MANHOLES
FILLED W/SAND OR REMOVED

TM 129-00-07-040

TM 129-17-01-030

TM 129-17-01-001

TM 129-17-01-002

TM 129-17-01-003

TM 129-17-01-013

280' - 8"PVC@0.35%

298' - 8"PVC@0.35%

298' - 8"PVC@0.35%

6" X 3" RED.
3" GV
6" GV
6" PLUG

NORTH MYRTLE BEACH - NORTH MAIN STREET CONNECTOR

TM 129-00-07-079

TM 129-00-07-074

S.C. HIGHWAY 31

TO U.S. HIGHWAY 501

TO S.C. HIGHWAY 9

BRUIN COURT 50' R/W

TM 130-27-01-172
BAYBERRY PARTNERS, LLC

EXISTING CONDITIONS
10" MJ 45° BEND
10" MJ 90° BEND

10" MJ PLUG VALVE

10" C900 PVC FORCE MAIN ABANDONED
REF. DWG. # 21-184-001-S

North

SCALE: 1" = 100'

50 0 100 200 300 FEET

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY INSPECTIONS Ronald W. Freeman 6/7/06 DATE

REVIEWED BY ENGINEERING Christy Everett 6-12-06 DATE

GRAND STRAND WATER AND SEWER AUTHORITY

NMB CONNECTOR WATER AND SEWER RELOCATIONS

SEE SHEET 5 (FOR CONTINUATION)

SEE SHEET 6 (FOR CONTINUATION)

REVISION	BY	DATE
AS-BUILT	REP	6/2006

GRAND STRAND WATER & SEWER AUTHORITY

TRI JACKSON BLUFF RD.
P.O. BOX 2368
CONWAY, SC
(843) 347-1651 OR 448-1688
(843) 347-4660 (FAX)
E-MAIL: GSWSA.COM

NMB CONNECTOR WATER AND SEWER RELOCATIONS

(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #486-01, SEWER PROJ. #987-01

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 21255 CHRISTINA S. EVERETT

DATE: JUNE 2004
SCALE: 1" = 100 FEET
FILENAME: NMB-CONNECTOR

DRAWN BY	ROBERT E. PERKINS
CHECKED BY	CHRISTINA S. EVERETT

APPROVED BY

CHRISTINA S. EVERETT PE #21255

SHEET 4 OF 7

DWG # 41-011-004 /007

C:\Projects\Grand Strand Water & Sewer Authority\NMB Connector\Drawings\NMB-CONNECTOR.dwg May 17, 2006 14:34:27

THIS SECTION 10.75" O.D.
DR17 HDPE FORCE MAIN
TO REMAIN

North

THIS SECTION 10.75" O.D.
DR17 HDPE FORCE MAIN
TO REMAIN
REF. DWG. # 21-184-003-S

20" C905 PVC DR25
WATER MAIN
(TO REMAIN)

1-10" MJ PLUG VALVE
19' VM
47' PV

TP
2.40.7

PP 117398 PP 76983

See Also
Sheet 8 For
This Area

EXISTING CONDITIONS
10" MJ 45° ELL
10" MJ CAP
2 - 10" MJ PLUG VALVE

NEW 15' WIDE EASEMENT

NEW 10" C900 PVC DR25
APPROX. 7.5 INSIDE PROPOSED
15' WIDE EASEMENT

PP 76982
10' FM

40 LF C900 PVC DR18
CENTERED ON ROAD
CROSSING

1-10" MJ 90° BEND
W/RESTR

INSTALL 10" C900 PVC DR25
APPROX. 3' - 5' OFF EDGE
OF ROADWAY
MIN. 3' COVER (TYP.)

ABANDONED 10" PVC
FORCE MAIN

ABANDONED 10" PVC
FORCE MAIN

PP
76981
12' FM

A

PP
76980
14' FM

NEW
GSWSA EASEMENT
(15' WIDE)

15'

100'

PP
76979
15' FM

PP
76979
15' FM

S.C. HIGHWAY 31

TM 143-00-01-001

TO U.S. HIGHWAY 501

TO S.C. HIGHWAY 9

SEE SHEET 4 (FOR CONTINUATION)

PALMETTO LAND PARTNERS, LLC
TM 143-00-01-066

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: Ronald W. Freeman 6/13/06
INSPECTIONS DATE

REVIEWED BY: Christy Everett 6-12-06
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY

SCALE: 1" = 100'

50 0 100 200 300 FEET

ABANDONED 10" C900 PVC
FORCE MAIN
REF. DWG. # 21-184-002-S

NMB CONNECTOR WATER AND SEWER RELOCATIONS

SEE SHEET 6 (FOR CONTINUATION)

BY	DATE	REVISION
REP	MARCH 2006	ADDITIONAL EASEMENT REQUIREMENT
REP	JULY 2006	ALIGNMENT CHANGE BESIDE POND DUE TO PUMP STATION ADDITION
REP	MAY 2006	AS-BUILT

GRAND STRAND WATER & SEWER AUTHORITY
170 JACKSON BLUFF RD.
P.O. BOX 2699
CONWAY, SC 29528-2699
(843) 347-4041 OR 448-1688
(843) 347-4060 (FAX)
EMAIL: GSWSA.COM

NMB CONNECTOR WATER AND SEWER RELOCATIONS

(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #496-01 /SEWER PROJ. #887-01

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 21255
CHRISTINA S. EVERETT

DATE: JUNE 2004
SCALE: 1" = 100 FEET
FILENAME: NMB_CONNECTOR

DRAWN BY	ROBERT E. PERKINS
CHECKED BY	CHRISTINA S. EVERETT
APPROVED BY	CHRISTINA S. EVERETT PE #21255

SHEET 5 OF 7

DWG # 41-011-005 /007

F:\ROBERT\PROJECTS\CAROLINA BAYS D May 17, 2006 14:19:27

SEE SHEET 5 (FOR CONTINUATION)

SEE SHEET 4 (FOR CONTINUATION)

North

TM 143-00-01-066

PP # 76977
15' FM

PROPOSED GSWSA EASEMENT (15' WIDE)

100'

15'

INSTALL 10" C900 PVC DR25 APPROX. 3' - 5' OFF EDGE OF ROADWAY MIN. 3' COVER (TYP.)

S.C.P.S.A. 100 RIGHT-OF-WAY PER PLAT

PP # 76970
15' FM

ABANDONED 10" PVC FORCE MAIN

PRIVATE ROADWAY

S.C.D.O.T. RIGHT OF WAY LIMIT (NMB CONNECTOR)

GSWSA STA. 32+20.70
DOT STA. 79+69.70

NORTH MYRTLE BEACH - NORTH MAIN STREET CONNECTOR

20" C905 PVC DR25 WATER MAIN (TO REMAIN)

VM 15" FM

104'-24" RCP
IN = 32.40
OUT = 32.00

ABANDONED 10" C900 PVC FORCE MAIN
REF. DWG. # 21-184-001-S

10"X2" MJ TEE W/RESTR
ARV
35' PP 76969
10" MJ PLUG VALVE W/RESTR

ABANDONED 10" MJ PLUG VALVE

CUT IN
1-20" MJ 45° BEND W/RESTR
103' TO PP # 117402
119' TO PP # 76967

PP # 76967

1-20" MJ 45° BEND W/RESTR
105' TO PP # 117402
122' TO PP # 76967
1-20" MJ BFV W/6" BLOWOFF

NEW 20" C905 PVC DR18
APPROX. 5' INSIDE NEW
15' WIDE EASEMENT AND
5' OUTSIDE NEW ROAD R/W
APPROX. 55' FROM CL POWER LINE

RCP

PP # 117402

1-20" MJ 45° BEND W/RESTR
126' TO PP# 117402
130' TO RCP

ABANDONED SECTION
20" C905 PVC
DR25 WATER MAIN
(FLOWABLE FILL
PER SCDOT REQUIREMENTS)

ABANDONED
10" C900 PVC DR25
FORCE MAIN

TM 143-00-01-001

NEW 20" C905 PVC DR18
APPROX. 5' INSIDE NEW
ROAD R/W

ABANDONED
20" BFV
TRANSFORMER # J400
PP # 152173

TM 144-00-01-047

1-20" MJ 90° BEND W/RESTR
LINE MARKER ON BEND
450' TO PP # 117402
495' TO PP # 76967
BEGIN 300 LF 24" O.D. DR17
HDPE

END OF 300 LF 24" O.D. DR17
1-20" MJ BFV
36' TO PP # 152173
37' TO TRANSFORMER # J400
CUT IN
2-20" MJ 45° BEND W/RESTR
(HORIZONTAL AND VERTICAL)

TM 143-00-01-046

NORTH MYRTLE BEACH - NORTH MAIN STREET CONNECTOR

FIRE TOWER ROAD

20" C905 PVC DR25
WATER MAIN TO REMAIN

NEW 10" C900 PVC DR25
FORCE MAIN APPROX.
24' INSIDE NEW ROAD R/W

36'-18" RCP
IN = 19.70
OUT = 20.00

THIS SECTION
10" C900 PVC DR25
FORCE MAIN TO
BE ABANDONED

SEE SHEET 7 (FOR CONTINUATION)

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: Ronald W. Freeman 6/14/06
INSPECTIONS DATE

REVIEWED BY: Christy Everett 6-12-06
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY

SCALE: 1" = 100'

50 0 100 200 300 FEET

NMB CONNECTOR WATER AND SEWER RELOCATIONS

REVISION	BY	DATE
1 - ADDITIONAL EASEMENT REQUIREMENT	REP	MARCH 2006
2 - ALIGNMENT CHANGES BASED ON ROAD PLAN AND DRAINAGE CHANGES	REP	JULY 2006
3 - FIELD REVISION	REP	SEPTEMBER 2006
4 - AS-BUILT	REP	MAY 2006

GRAND STRAND WATER & SEWER AUTHORITY
170 JACKSON BLUFF RD.
P.O. BOX 2305
CONWAY, SC 29528-2305
(843) 347-2441 OR 448-1688
(843) 347-4660 (FAX)
E-MAIL: GSWSA.COM

NMB CONNECTOR WATER AND SEWER RELOCATIONS

(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #486-01/SEWER PROJ. #987-01

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 21255 CHRISTINA S. EVERETT

DATE: JUNE 2004
SCALE: 1" = 100 FEET
FILENAME: NMB_CONNECTOR

DRAWN BY	ROBERT E. PERKINS
CHECKED BY	CHRISTINA S. EVERETT

APPROVED BY

CHRISTINA S. EVERETT PE #21255

SHEET 6 OF 7

DWG # 41-011-006 /007

J:\Projects\carolina bays p... May. 17, 2006 14:20:15

North

THIS SECTION
10" C900 PVC DR25
FORCE MAIN
TO REMAIN

WL 5'
FROM PP

6" GV
W/ BO

ARV

TM 144-00-01-025
HAROLD LIVINGSTON
DEED BOOK 1303 Pg.74
(45.9 Ac. DEED)

TM 144-00-01-018
WILHELMINA FREEMAN AND
GILBERT FREEMAN
DEED BOOK 1801 Pg. 1022

FRONTAGE ROAD

10" MJ SLEEVE
BEGIN 300 LF 10.75" O.D. DR17
HDPE OPEN TRENCH

PP
#111402

SANDRIDGE ROAD

TM 144-00-01-046
WILHELMINA MCKENZIE FREEMAN
GILBERT FREEMAN
DEED BOOK 1316 Pg.697
(2.79 Ac. Calc.)

NORTH MYRTLE BEACH - NORTH MAIN STREET CONNECTOR

RELOCATE ARV ASSEMBLY
TO NEW LOCATION

ABANDONED SECTION
10" PVC FORCE MAIN

104'-36" RCP
IN = 16.90
OUT = 16.55

TM 144-00-01-048

TM 144-00-01-054

TM 144-00-01-051

TM 144-00-01-036
JOHNNIE W. BROWN
DEED BOOK 1230 Pg.256
(1.77 Ac. Calc.)

TM 144-00-01-044
JOHNNIE W BROWN
DEED BOOK 1230 Pg.255

TM 144-00-01-045

TM 144-00-01-035
M.S. T. MONNELL SR.
AND DORA VON MONNELL
DEED BOOK 327/Pg.269

TM 144-00-01-034
CHILVER WILSON
ESTRONE SAINT LMS
BOOK 2179 Pg.130
(1.00 Ac. Calc.)

TM 144-00-01-026
TM 144-00-01-026
THE HOLY TEMPLE
JOSEPH'S MISSIONARY BAPTIST
DEED BOOK 68 Pg.219

SANDRIDGE LOOP (OLD SANDERS ROAD)

S.C.P.S.A. 40' DISTRIBUTION EASEMENT

FIRE TOWER ROAD

ABANDONED SECTION
10" PVC FORCE MAIN

10" MJ SLEEVE
END 300 LF 10.75" O.D. DR17
HDPE OPEN TRENCH

TM 144-00-01-004

TM 144-00-01-005

6" MJ SLEEVE
BEGIN 300 LF 6.625"
O.D. DR17 HDPE

ER
4' TP
4' PP
ARV

WL 26'
FROM PP

6" WL

6" C900 PVC DR25
WATER LINE
TO REMAIN

100 LF 10.75" IPS DR17 HDPE

10" MJ 90° ELL
27' RCP
10" MJ PLUG VALVE
26' RCP
2' VM

THIS SECTION
10" C900 PVC DR25
FORCE MAIN
TO REMAIN

CUT IN
10"X10" MJ TEE
10"X6" MJ REDUCER
6" MJ PV
5' TO 10" TEE
13' TO 10" 45
10" MJ 45° ELL
9' TO PV
10" MJ PV

TM 144-00-01-037
TM 144-00-01-037
IRENE E. ARGUSTRONG
DEED BOOK 1888 Pg.1319
(1.83 Ac. Calc.)

COUNTY MAINTAINED ROADWAY
VARIABLE RIGHT-OF-WAY PER PLAT

ABANDONED SECTION
6" PVC FORCE MAIN

TP

PP
#88553

FH 1387
6" GV

RE: PROJECT # 404-47
DWG NO. 21-92-001-W

WL 29'
FROM PP

24'-42" RCP
IN = 9.70
OUT = 9.50

144-00-01-105
INTRACOASTAL WATERWAY, LLC
DEED BOOK 2723 Pg. 535
(3.68 Ac. Calc.)

144-00-01-105

56'-18" RCP
IN = 19.10
OUT = 18.80

10"X2" MJ TEE W/RESTR
ARV ASSEMBLY
18' VM

NEW 10" C900 PVC DR25
FORCE MAIN

40 LF 10" C900 PVC DR18
CENTERED ON ACCESS
ROAD

52'-18" RCP
IN = 20.20
OUT = 17.50

ARV

SANDRIDGE LOOP (OLD SANDERS ROAD)

ABANDONED
6" PVC WATER

6" MJ GATE VALVE
20 LF 6" PVC STUBOUT
6" MJ TAPPED PLUG
2" THREADED GALV. 90° BEND
2" THREADED IRON BODY GATE VALVE
POST HYDRANT ASSEMBLY

10" MJ PLUG VALVE
4' VM
51' RCP

NEW 10" C900
PVC DR25 FORCE MAIN

6" MJ SLEEVE
END 300 LF 6.625"
O.D. DR17 HDPE

6" C900 PVC DR25
FORCE MAIN
1'-2' INSIDE EDGE OF ROAD
TO REMAIN

SEE CUT IN NOTE
REPLACE EXISTING
10"X6" TS
6" TV
KEEP
6" 45° ELL

72'-18" RCP
IN = 19.30
OUT = 19.00

56'-18" RCP
IN = 20.40
OUT = 19.20

ABANDONED SECTION
10" PVC
FORCE MAIN

SEE SHEET 6 (FOR CONTINUATION)

COUNTY MAINTAINED DITCH BANK TO
DITCH BANK-PRESCRIPTIVE R/W
NO RECORD OF DEDICATION

TM 144-00-01-015
INTRACOASTAL WATERWAY, LLC
DEED BOOK 2391 Pg.1132

144-00-01-106
ROBERT K. HOTCHKISS &
GARY PRIMEMSTER
DEED BOOK 2508 Pg. 239
(9.51 Ac. Calc.)

INTRACOASTAL WATERWAY

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: Ronald W. Freeman 6/7/06
INSPECTIONS DATE

REVIEWED BY: Christy Everett 6-12-06
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY

SCALE: 1" = 100'

50 0 100 200 300 FEET

NMB CONNECTOR WATER AND SEWER RELOCATIONS

BY	DATE
REP	JULY 2005
REP	9/22/2005
REP	MAY 2006

REVISION
1 - ALIGNMENT CHANGES BASED ON ROAD PLAN AND DRAINAGE CHANGES
2 - BID REVISION
3 - AS-BUILT

GRAND STRAND WATER & SEWER AUTHORITY
170 JACKSON BLUFF RD.
CONWAY, SC 29526-2288
(843) 347-2451 OR 448-1688
FAX (843) 347-2447
E-MAIL GSWSA.COM

NMB CONNECTOR WATER AND SEWER RELOCATIONS

(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #496-01 /SEWER PROJ. #887-01

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 21255
CHRISTINA S. EVERETT

DATE: JUNE 2004
SCALE: 1" = 100 FEET
FILENAME: NMB_CONNECTOR

DRAWN BY	ROBERT E. PERKINS
CHECKED BY	CHRISTINA S. EVERETT
APPROVED BY	CHRISTINA S. EVERETT PE #21255

SHEET 7 OF 7

DWG # 41-011-007 /007

F:\Robert\projects\carolina toys p May. 17, 2006 14:23:16

THIS SECTION 10.75" O.D.
DR17 HDPE FORCE MAIN
TO REMAIN

New FM installed
5' from old forcemain
on the North Side.
Old FM was removed

North

Install
Two 10" mj 45° Bends
angled to achieve seperation
from Exist. 6" FM

Did not need 45°
to tie together

THIS SECTION 10.75" O.D.
DR17 HDPE FORCE MAIN
TO REMAIN
REF. DWG. # 21-184-003-S

1-10" MJ PLUG VALVE
19' VM
47' PV

20" C905 PVC DR25
WATER MAIN
(TO REMAIN)

TP
2.40.7

PP 117398 PP 76983

Lower Existing 10" FM within
Existing 15" Duke Easement
(2' minimum Cover)
Approximately 520 LF

Install:
Two 10" mj 45° Bends
to achieve
Separation from
Ex. 10" FM

Exist. 6" FM in this area to be abandoned

EXISTING CONDITIONS
10" MJ 45° ELL
10" MJ CAP
2 - 10" MJ PLUG VALVE

NEW 10" C900 PVC DR25
APPROX. 7.5 INSIDE PROPOSED
15' WIDE EASEMENT

NEW 15' WIDE EASEMENT

40 LF C900 PVC DR18
CENTERED ON ROAD
CROSSING

1-10" MJ 90° BEND
W/RESTR

INSTALL 10" C900 PVC DR25
APPROX. 3' - 5' OFF EDGE
OF ROADWAY
MIN. 3' COVER (TYP.)

ABANDONED 10" PVC
FORCE MAIN

PP 76982
10' FM

PP 76981
12' FM

PP 76980
14' FM

PP 76979
15' FM

PP 76979
15' FM

NEW
GSWSA EASEMENT
(15' WIDE)

15'

100'

S.C. HIGHWAY 31

ABANDONED 10" PVC
FORCE MAIN

TO U.S. HIGHWAY 501

TO S.C. HIGHWAY 9

SEE SHEET 4 (FOR CONTINUATION)

TM 143-00-01-001

PALMETTO LAND PARTNERS, LLC
TM 143-00-01-066

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: Ronald W. Freeman 6/19/06
INSPECTIONS DATE

REVIEWED BY: Christy Everett 6-17-06
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY

SCALE: 1" = 100'

50 0 100 200 300 FEET

ABANDONED 10" C900 PVC
FORCE MAIN
REF. DWG. # 21-184-002-S

NMB CONNECTOR WATER AND SEWER RELOCATIONS

SEE SHEET 6 (FOR CONTINUATION)

41-011-008

REVISION	BY	DATE
ADDITIONAL EASEMENT REQUIREMENT	RBP	MARCH 2006
ALIGNMENT CHANGE BESIDE POND DUE TO RUBBLE PILE ADDITION	RBP	JULY 2006
AS-BUILT	RBP	MAY 2006

GRAND STRAND WATER & SEWER AUTHORITY
170 JACKSON BLUFF RD.
P.O. BOX 2368
CONWAY, SC 29528-2368
(843) 347-4641 OR 448-1888
FAX (843) 347-1421
E-MAIL: GSWSA@GSWSA.COM

NMB CONNECTOR WATER AND SEWER RELOCATIONS

(S.C. 90 AND S.C. 31 INTERCHANGE)

WATER PROJ. #486-01 /SEWER PROJ. #887-01

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 21255
CHRISTINA S. EVERETT

DATE: JUNE 2004
SCALE: 1" = 100 FEET
FILENAME: NMB_CONNECTOR
DRAWN BY: ROBERT E. PERKINS
CHECKED BY: CHRISTINA S. EVERETT
APPROVED BY
CHRISTINA S. EVERETT PE #21255
SHEET 5 OF 7
DWG # ~~41-011-005~~ 007

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