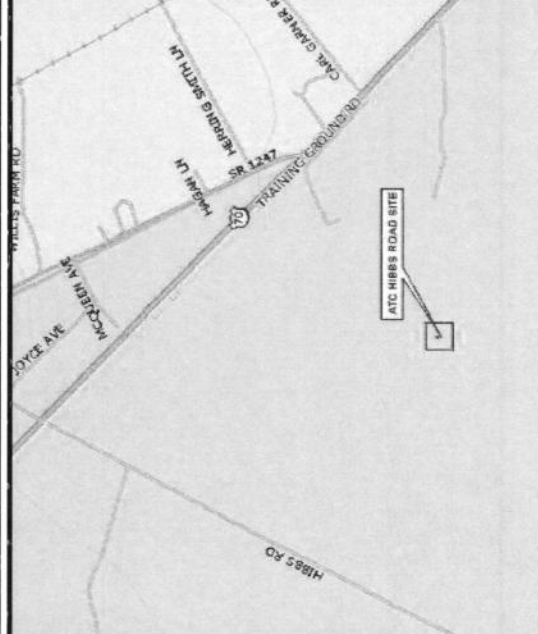


ATC SITE NUMBER: 273437  
 ATC SITE NAME: HIBBS ROAD  
 PROJECT DESCRIPTION: PROPOSED WIRELESS TELECOMMUNICATIONS FACILITY  
 TOWER TYPE: 250' SST  
 SITE ADDRESS: OFF US HIGHWAY 70 NEWPORT, NC 28570 (CARTERET COUNTY)  
 JURISDICTION: TOWN OF NEWPORT  
 AREA OF CONSTRUCTION: 102,060 ± SQ. FT. (LEASE AREA & ACCESS DRIVE)  
 PRESENT OCCUPANCY TYPE: VACANT  
 CURRENT ZONING: CH/IW  
 PROPERTY TAX ID#: 534703323534000

**PROJECT INFORMATION**

LATITUDE N 34° 45' 20.104" (NAD '29)  
 LONGITUDE W 76° 51' 39.025" (NAD '29)  
 LATITUDE N 34° 45' 20.683" (NAD '83)  
 LONGITUDE W 76° 51' 37.806" (NAD '83)  
 GROUND ELEV. (AMSL) = 26.8' (NAVD '88)

**1-A CERTIFICATION**



**LOCATION MAP**

FROM PISGAH CHURCH ROAD IN GREENSBORO, GO TO I 40 AND GO TOWARDS RALEIGH. STAY ON I 40 TO EXIT 306. AT EXIT 306, TAKE RAMP RIGHT FOR US-70 TOWARD CLAYTON/SMITHFIELD/GOLDSBORO 12.7 MILES. PASS HESS IN 4.1 MILES. TAKE RAMP RIGHT FOR US-70 EAST/US HIGHWAY 70 W TOWARD SELMA/GOLDSBORO 8.0 MILES. AT EXIT 334, TAKE RAMP LEFT AND FOLLOW SIGNS FOR US-70 BYP EAST/US HIGHWAY 70 BYPASS EAST 2.9 MILES. KEEP STRAIGHT ONTO US-70 EAST 18.6 MILES. TAKE RAMP RIGHT FOR US-13 NORTH/US-70 BYP EAST/US-117 BYP EAST/MARTIN LUTHER KING JUNIOR EXPY 25.1 MILES. PASS CADILLAC/CHEVROLET IN 5.2 MILES. KEEP STRAIGHT ONTO US-70 BYP EAST/EAST/US-258 BYP/W NEW BERN RD SOUTH 3.1 MILES. KEEP STRAIGHT ONTO US-70/E NEW BERN RD 60.9 MILES. PASS BP ON THE LEFT IN 0.9 MILES.

**DRIVING DIRECTIONS**

**AMERICAN TOWER CORPORATION**  
**SITE PLAN**

AT&T SITE #: 316-051  
 ATC SITE #: 273437  
 ATC SITE NAME: HIBBS ROAD  
 OFF US HIGHWAY 70  
 NEWPORT, NC 28570

**SITE PROJECT MANAGER:**  
 NAME: AMERICAN TOWER LLC  
 ADDRESS: 3500 REGENCY FOREST DR, STE 100  
 CITY, STATE, ZIP: CARY, NC 27518  
 CONTACT: JILL HOUSE  
 PHONE: (919) 466-5163

**SITE APPLICANT:**

NAME: AMERICAN TOWER LLC  
 ADDRESS: 3500 REGENCY FOREST DR, STE 100  
 CITY, STATE, ZIP: CARY, NC 27518  
 CONTACT: JILL HOUSE  
 PHONE: (919) 466-5163

**SURVEYOR:**

NAME: TOWER ENGINEERING PROFESSIONALS  
 ADDRESS: 3703 JUNCTION BOULEVARD  
 CITY, STATE, ZIP: RALEIGH, NC 27603  
 CONTACT: CLIFF BYRD, P.L.S.  
 PHONE: (919) 661-6351

**CIVIL ENGINEER:**

NAME: TOWER ENGINEERING PROFESSIONALS  
 ADDRESS: 3703 JUNCTION BOULEVARD  
 CITY, STATE, ZIP: RALEIGH, NC 27603  
 CONTACT: MATTHEW W. COLLINS, P.E.  
 PHONE: (919) 661-6351

**ELECTRICAL ENGINEER:**

NAME: N/A  
 ADDRESS: N/A  
 CITY, STATE, ZIP: N/A  
 CONTACT: N/A  
 PHONE: N/A

**PROPERTY OWNER:**

NAME: CALVIN G. WELLS (DECEASED)  
 ADDRESS: PO BOX 1018  
 CITY, STATE, ZIP: MOREHEAD CITY, NC 28557  
 CONTACT: GAYE WASHBURN (DAUGHTER)  
 PHONE: (252) 726-2151

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

1. NORTH CAROLINA BUILDING CODE (2008 EDITION)
2. NORTH CAROLINA CODE COUNCIL
3. ANSITIA/IEA-222-F
4. NATIONAL ELECTRIC CODE
5. LOCAL BUILDING CODE
6. CITY/COUNTY ORDINANCES

**CODE COMPLIANCE**

SHEET	DESCRIPTION	REV
T1	TITLE SHEET	6
SW-1A	EXISTING CONDITIONS PLAN I	5
SW-1B	EXISTING CONDITIONS PLAN II	5
SW-1C	EXISTING CONDITIONS PLAN III	5
SW-1D	EXISTING CONDITIONS PLAN III	5
SW-1E	EXISTING CONDITIONS PLAN V	5
SW-1F	EXISTING CONDITIONS PLAN VI	5
SW-1G	EXISTING CONDITIONS PLAN VII	5
SW-1H	EXISTING CONDITIONS PLAN VIII	5
SW-1I	EXISTING CONDITIONS PLAN VIII	5
SW-2	STORMWATER MANAGEMENT PLAN	6
SW-2A	STORMWATER MANAGEMENT DETAILS I	5
SW-2B	STORMWATER MANAGEMENT DETAILS II	5
SW-2C	STORMWATER MANAGEMENT DETAILS III	5
SW-2D	STORMWATER MANAGEMENT DETAILS III	5
SW-2E	STORMWATER MANAGEMENT DETAILS V	5
SW-2F	STORMWATER MANAGEMENT DETAILS VI	5
SW-2G	STORMWATER MANAGEMENT DETAILS VII	5
SW-2H	STORMWATER MANAGEMENT DETAILS VIII	5
SW-2I	STORMWATER MANAGEMENT DETAILS VIII	5
SW-3	CULVERT DETAILS	5
SW-4	DRIVEWAY DETAILS	5
SW-5A	SOIL AND EROSION CONTROL PLAN I	5
SW-5B	SOIL AND EROSION CONTROL PLAN II	5
SW-5C	SOIL AND EROSION CONTROL PLAN III	5
SW-5D	SOIL AND EROSION CONTROL PLAN III	5

**INDEX OF SHEETS**

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS  
 3703 JUNCTION BOULEVARD  
 RALEIGH, NC 27603-5263  
 OFFICE: (919) 661-6351  
 www.tepgroup.net

N.C. LICENSE # C-1794

REV	DATE	ISSUED FOR:
6	09-13-13	REV. STORMWATER MANAGE.
5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.
1	11-11-11	REV. STORMWATER MANAGE.
0	05-11-11	STORMWATER MANAGEMENT

DRAWN BY: MTC CHECKED BY: GMA

SEAL:



September 13, 2013

SEAL:

RECEIVED

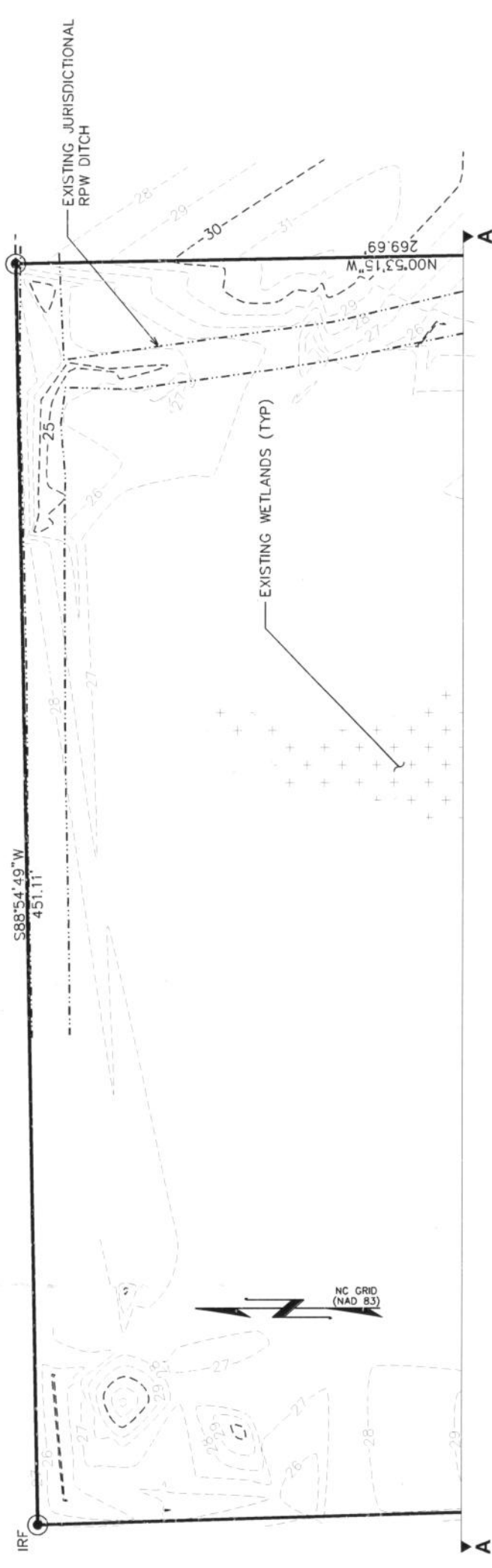
MAR 28 2014

SHEET NUMBER: T-1 REVISION: 6

TEP #: 100732

**NOTES:**

1. THE BASIS OF THE MERIDIANS AND COORDINATES FOR THIS PLAT IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NCSPCS NAD 83), BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON FEBRUARY 18, 2010.
2. VERTICAL INFORMATION SHOWN, BASED ON THE NORTH AMERICAN VERTICAL DATUM OF NAVD 1988 IN FEET.
3. ALL DISTANCES ARE GROUND UNLESS OTHERWISE NOTED.
4. THIS PROPERTY IS NOT LOCATED IN A FLOOD ZONE ACCORDING TO FEMA COMMUNITY PANEL #3720634700J, DATED JULY 16, 2003.



LEGEND	
—	EXISTING PROPERTY LINE
⊕	EXISTING UTILITY POLE
⊞	EXISTING TELCO PEDESTAL
⊙	PROPERTY CORNER
---2.00---	EXISTING CONTOUR LINE
———	EDGE OF PAVEMENT
---OHW---	OVERHEAD WIRE
---R/W---	RIGHT-OF-WAY
— X —	CHAIN LINK FENCE

**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'



PLANS PREPARED FOR:



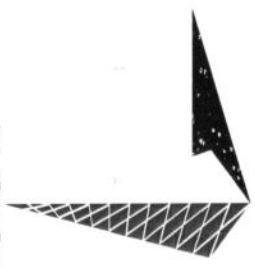
**AMERICAN TOWER CORPORATION**  
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



REV	DATE	ISSUED FOR:
5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

**EXISTING CONDITIONS PLAN I**

SHEET NUMBER: **SW-1A**

REVISION: **5**

TEP #: 100732

PLANS PREPARED FOR:

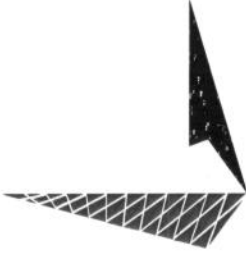


3500 REGENCY FOREST DR. STE 100  
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PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**  
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PLANS PREPARED BY:



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RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net  
N.C. LICENSE # C-1794

SEAL:



August 20, 2013

REV	DATE	ISSUED FOR:
5	08-20-13	REV. STORMWATER MANAGE.
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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

**EXISTING  
CONDITIONS  
PLAN II**

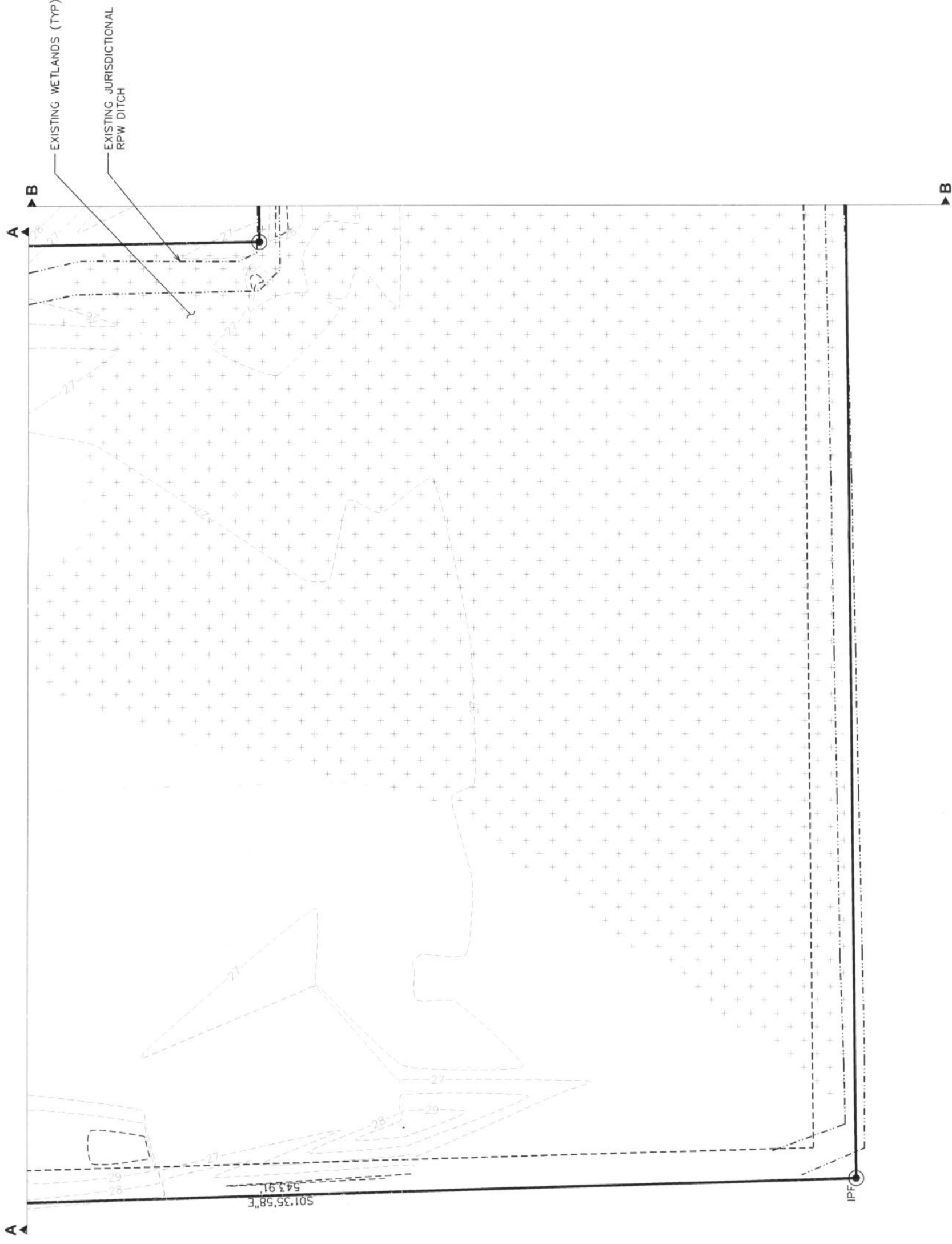
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**SW-1B**

REVISION:

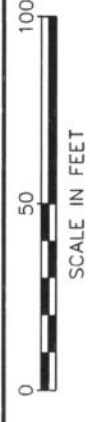
**5**

TEP #: 100732



**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'



PLANS PREPARED FOR:



3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



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OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



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REV	DATE	ISSUED FOR:
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2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

**EXISTING  
CONDITIONS  
PLAN III**

SHEET NUMBER:

**SW-1C**

REVISION:

**5**

TEP #: 100732

▲ C

▲ B

EXISTING WETLANDS (TYP)

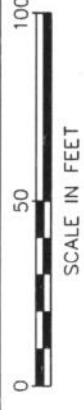
EXISTING JURISDICTIONAL  
RPW DITCH

▲ C

▲ B

**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'



PLANS PREPARED FOR:



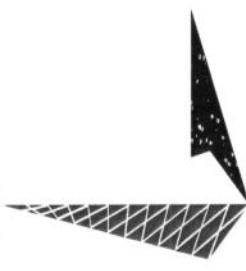
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



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OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



August 20, 2013

5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.
REV	DATE	ISSUED FOR:

DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

**EXISTING  
CONDITIONS  
PLAN III**

SHEET NUMBER:

REVISION:

**SW-1D**



SCALE IN FEET

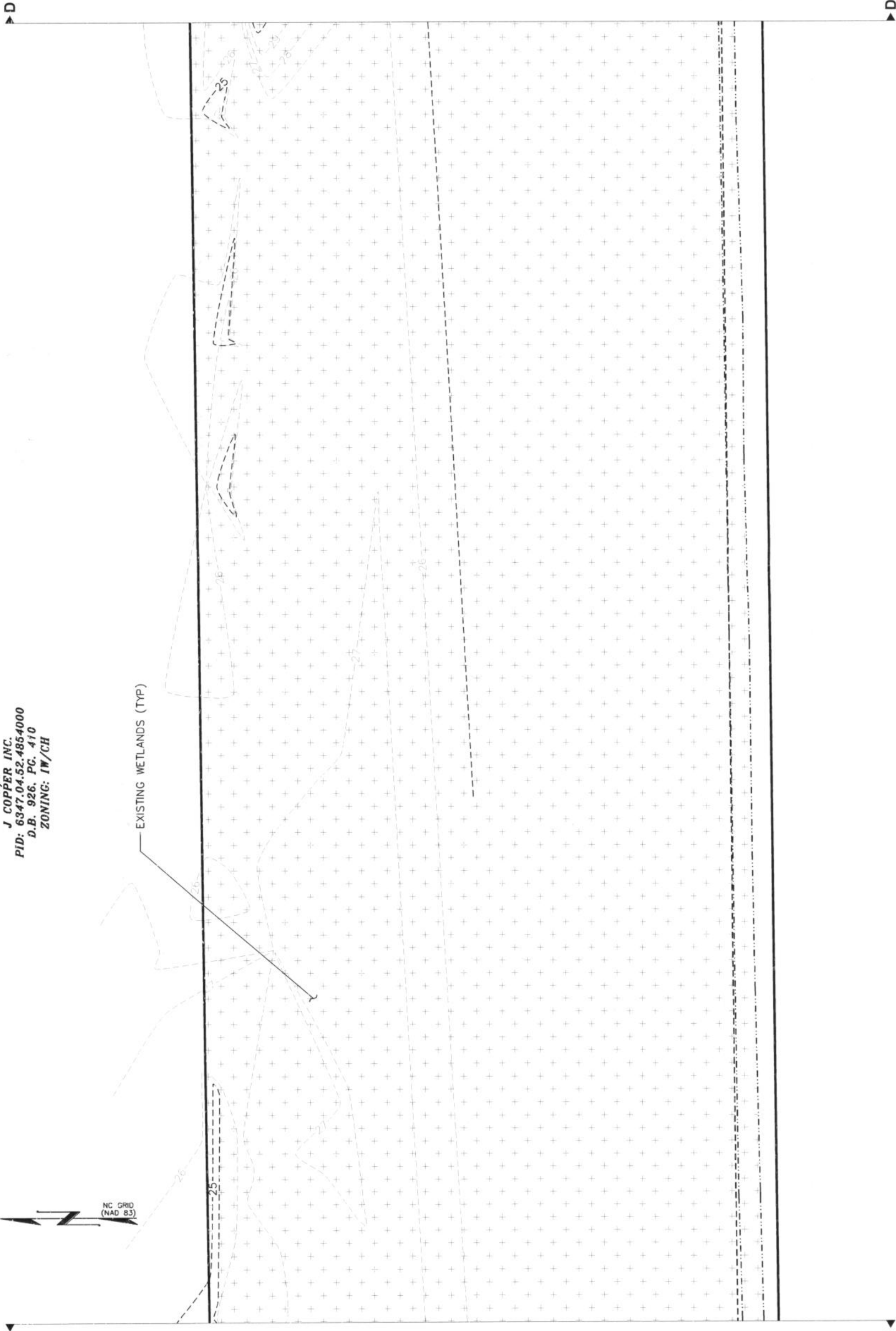
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TEP #: 100732

N/F  
J COPPER INC.  
PID: 6347.04.52.4854000  
D.B. 926. PG. 410  
ZONING: IW/CH



EXISTING WETLANDS (TYP)



**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'

PLANS PREPARED FOR:



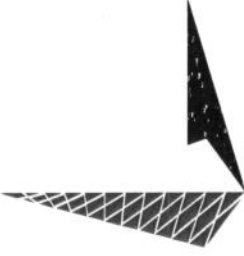
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



August 20, 2013

REV	DATE	ISSUED FOR:
5	08-20-13	REV. STORMWATER MANAGE.
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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: CWB CHECKED BY: GMA

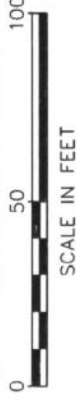
SHEET TITLE:

**EXISTING  
CONDITIONS  
PLAN V**

SHEET NUMBER:

REVISION:

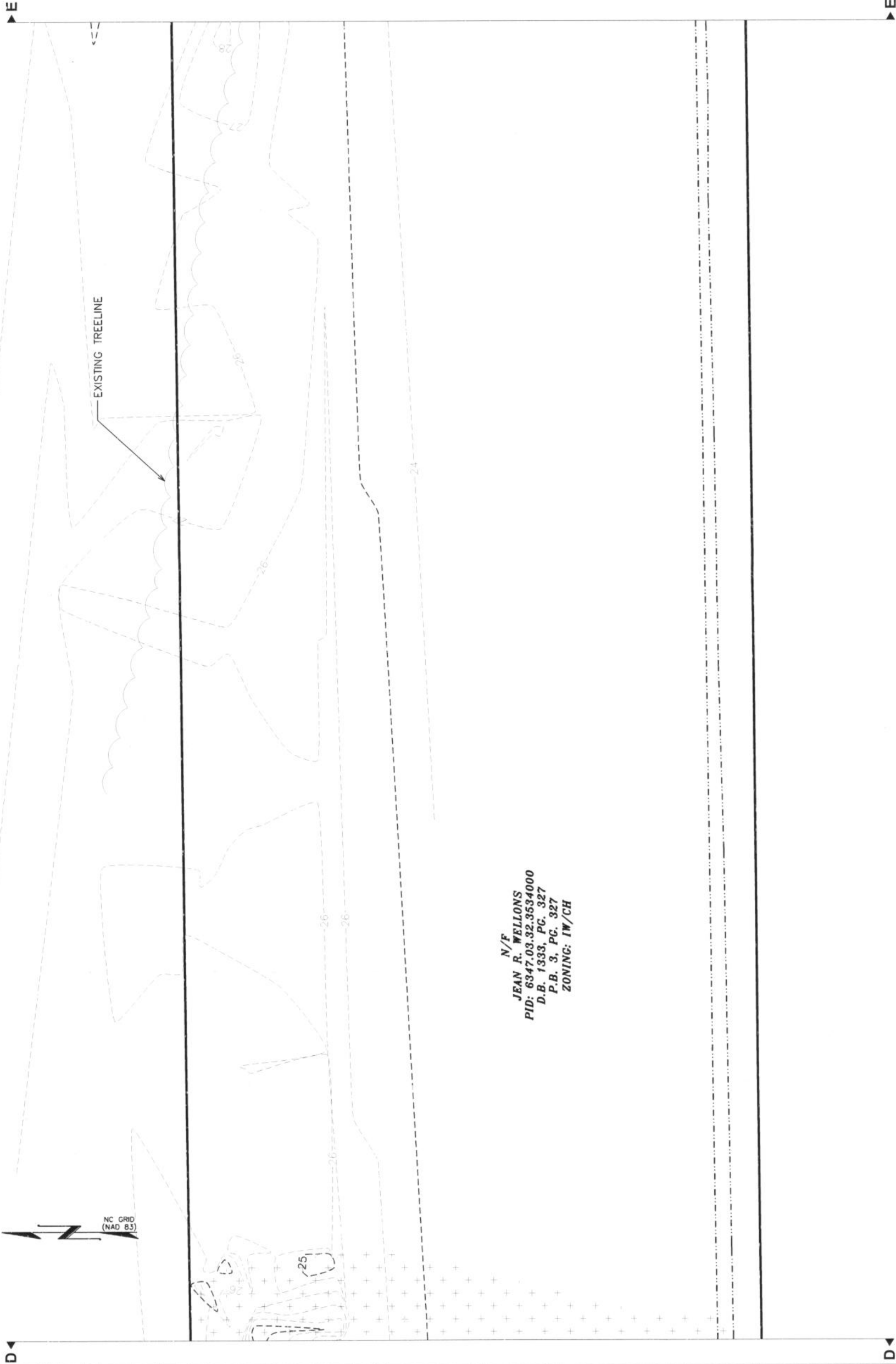
**SW-1E**



SCALE IN FEET

**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'



N/F  
JEAN R. WELLONS  
PID: 6347.03.32.3534000  
D.B. 1333, PG. 327  
P.B. 3, PG. 327  
ZONING: IW/CH

PLANS PREPARED FOR:



3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



August 20, 2013

5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.
REV	DATE	ISSUED FOR:

DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

**EXISTING  
CONDITIONS  
PLAN VI**

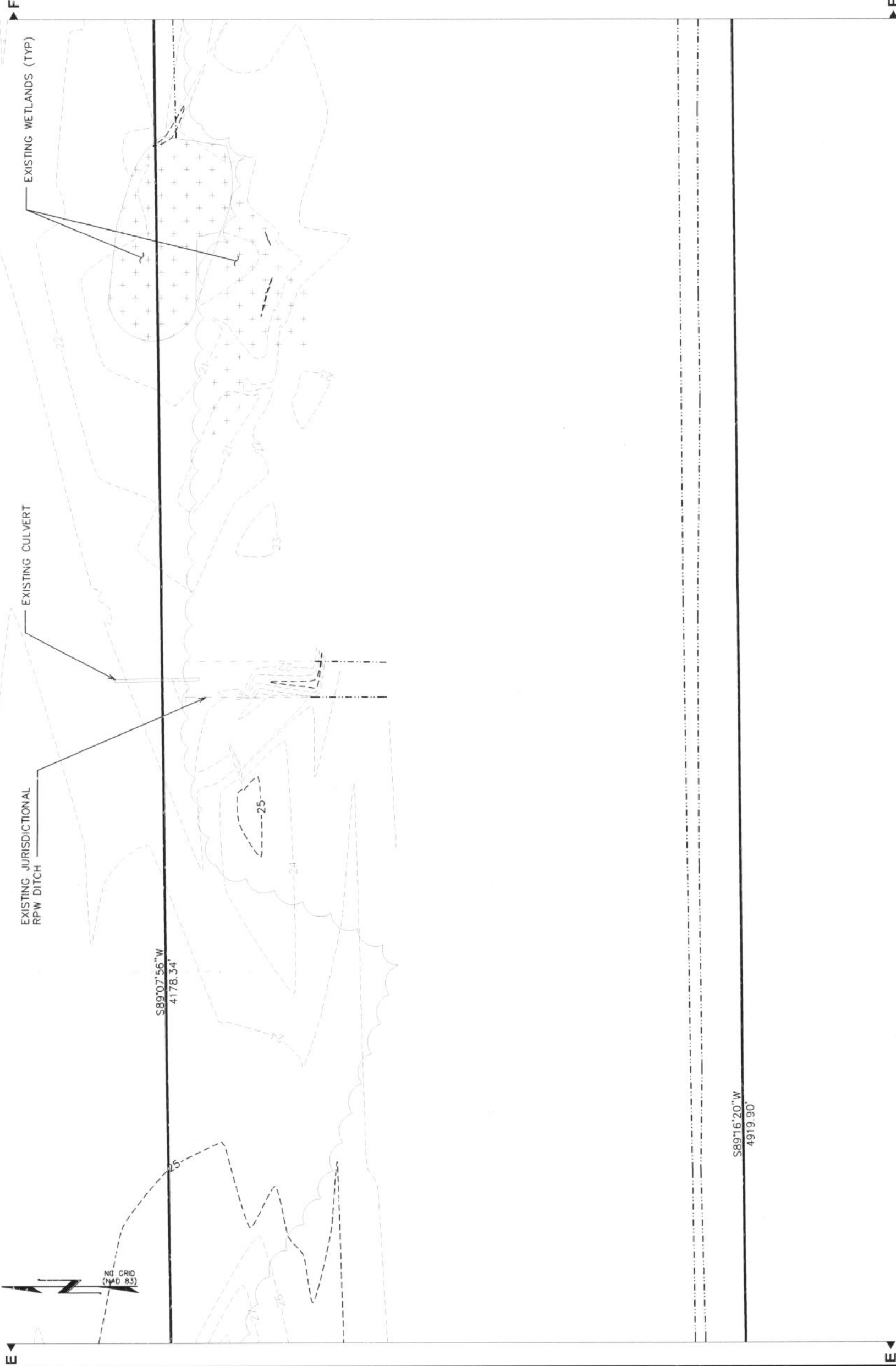
SHEET NUMBER:

**SW-1F**

REVISION:

**5**

TEP #: 100732



**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'

PLANS PREPARED FOR:



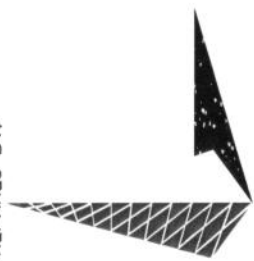
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**

5899 US HIGHWAY 70  
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PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
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www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



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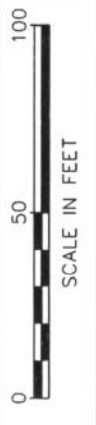
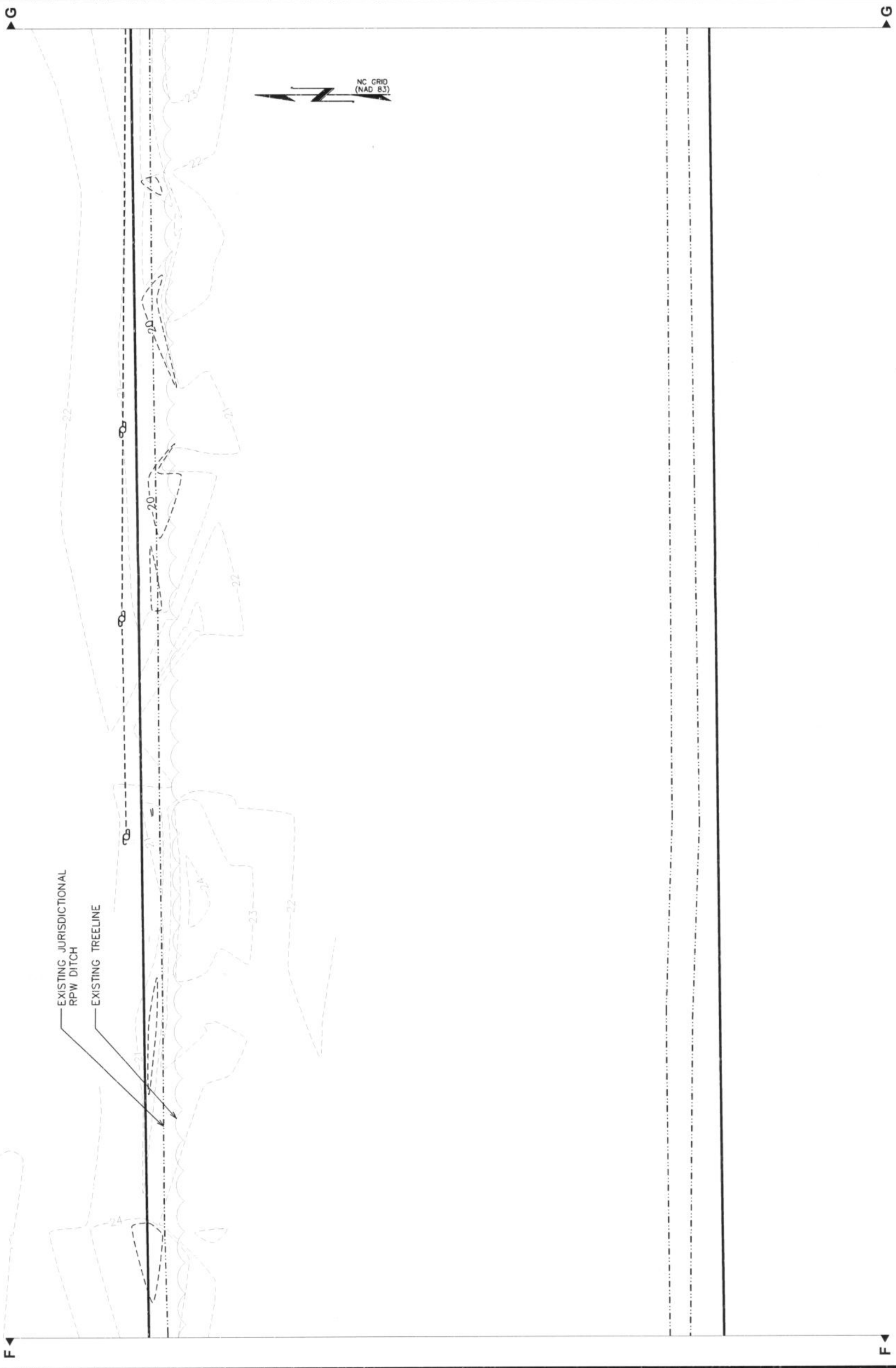
DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

**EXISTING  
CONDITIONS  
PLAN VII**

SHEET NUMBER: **SW-1G** REVISION: **5**

TEP #: 100732



**EXISTING CONDITIONS LAYOUT**

SCALE: 1" = 50'



PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

AT&T #: 316-051  
ATC #: 273437  
HIBBS ROAD

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net  
N.C. LICENSE # C-1794

SEAL:



August 20, 2013

REV	DATE	ISSUED FOR:
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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: CWB CHECKED BY: GMA

SHEET TITLE:

EXISTING CONDITIONS  
PLAN VIII

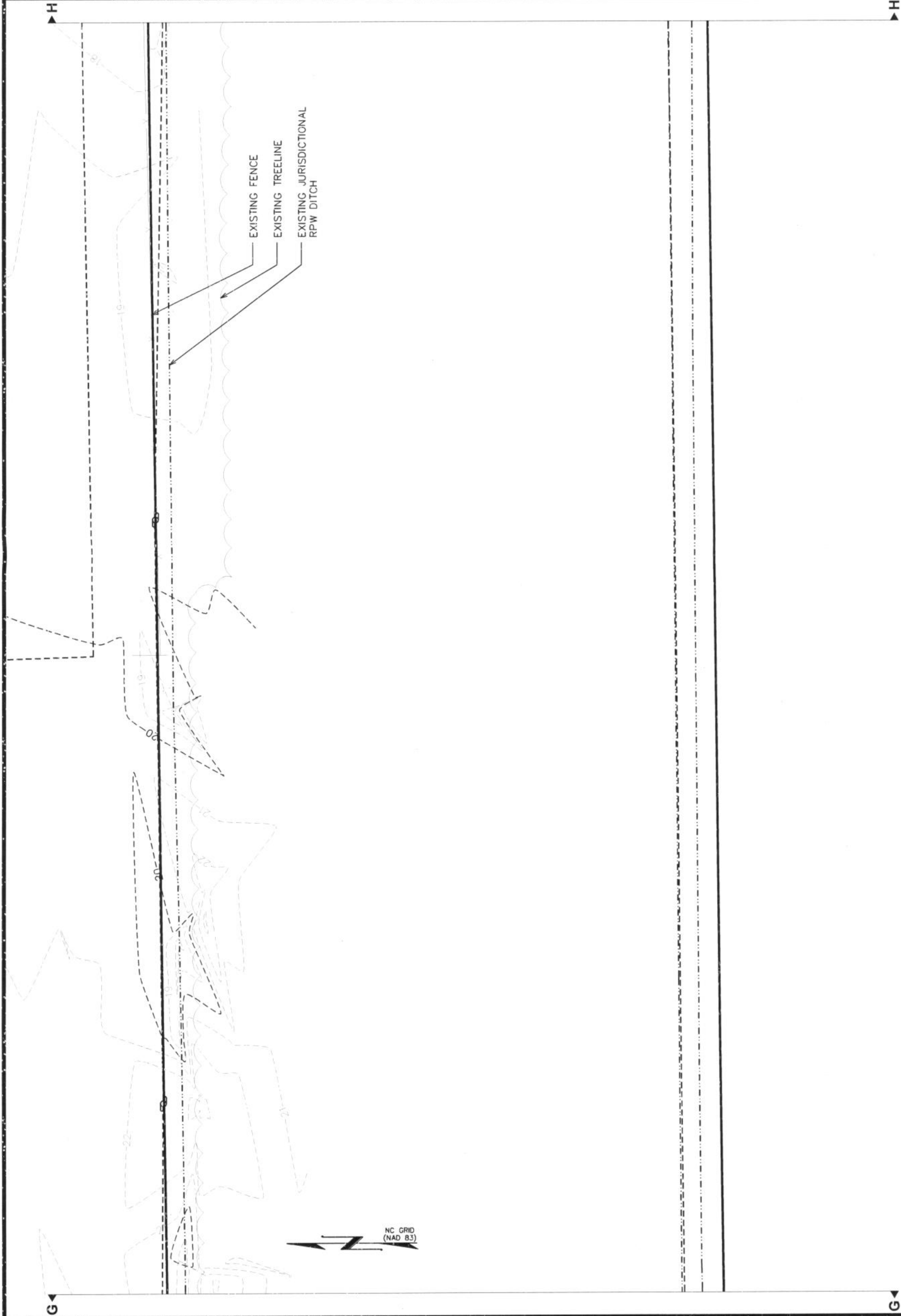
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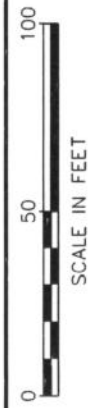
REVISION:

5

TEP #: 100732



NC GRID  
(NAD 83)



EXISTING CONDITIONS LAYOUT

SCALE: 1" = 50'

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

AT&T #: 316-051  
ATC #: 273437  
HIBBS ROAD

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



August 20, 2013

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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: CMB CHECKED BY: GMA

SHEET TITLE:

EXISTING CONDITIONS  
PLAN VIII

SHEET NUMBER:

REVISION:

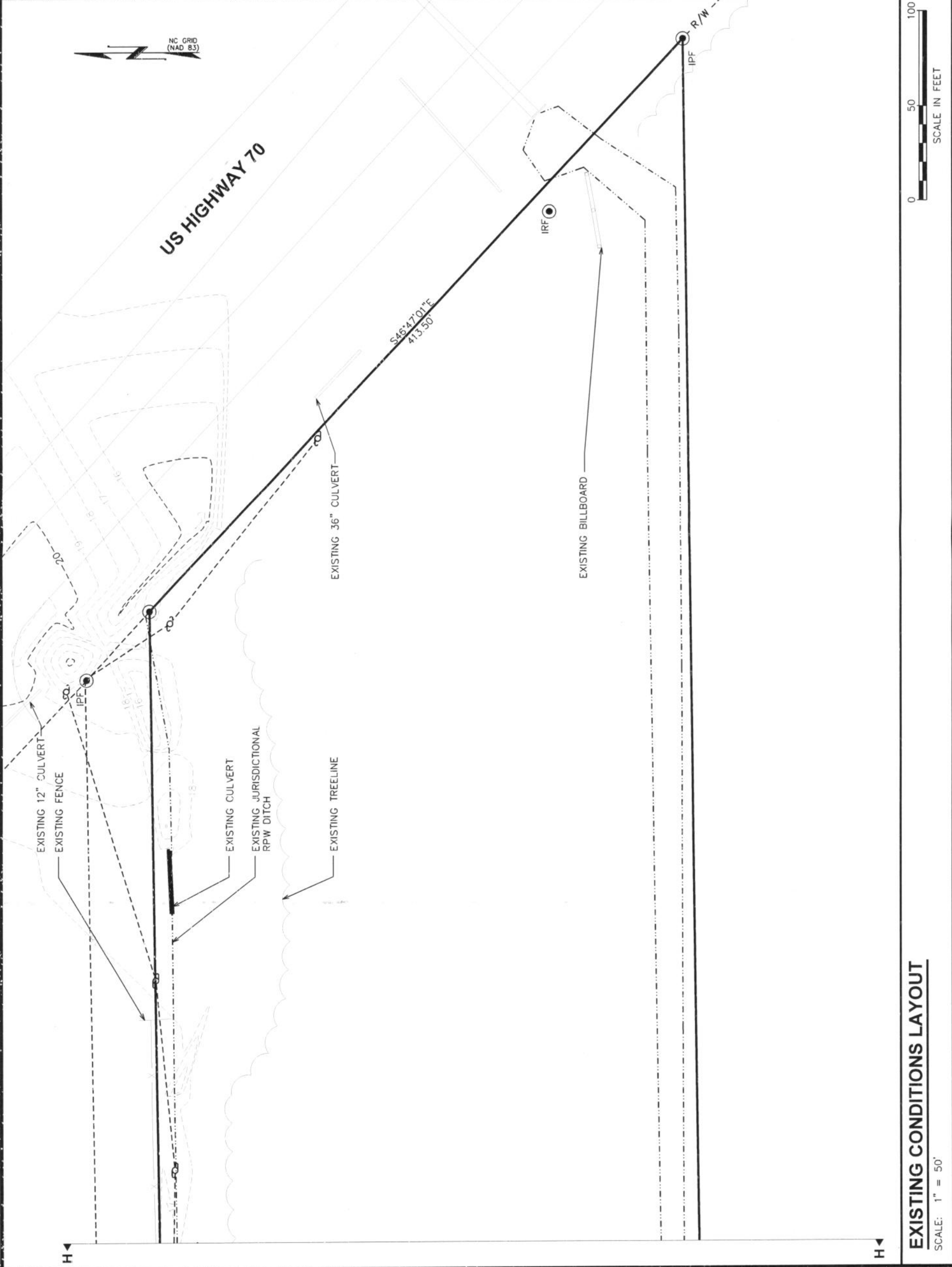
SW-11



SCALE IN FEET

EXISTING CONDITIONS LAYOUT

SCALE: 1" = 50'



**NOTES:**

- THIS SITE IS LOCATED IN CARTERET COUNTY AND DRAINS TO THE HULL SWAMP (STREAM CLASSIFICATION: C) WHICH IS A NON-SA WATER WITHIN THE WHITE OAK RIVER BASIN.
- RUNOFF FROM IMPERVIOUS SURFACES SHALL BE IN THE FORM OF SHEET FLOW TO THE MAXIMUM EXTENT PRACTICABLE.
- THIS PROPERTY IS NOT LOCATED IN A FLOOD ZONE ACCORDING TO FEMA COMMUNITY PANEL #3720634700J, DATED JULY 16, 2003.
- HYDROLOGY OF REMAINING WETLANDS WILL BE MAINTAINED DURING AND AFTER CONSTRUCTION.
- PRIOR TO ANY SITE WORK, INCLUDING CLEARING AND GRUBBING, WITHIN WETLANDS, ALL MATERIALS MUST BE ON SITE. THIS INCLUDES SILT FENCE, CULVERTS, ETC.
- SITE WORK WITHIN WETLANDS MUST BE KEPT TO A MINIMUM.
- SELF-INSPECTIONS SHOULD BE COMPLETED ACCORDING TO THE SELF-INSPECTION PROGRAM REQUIREMENTS PER NCDENR. ALL SELF-INSPECTION REPORTS SHOULD BE KEPT ON SITE FOR THE DURATION OF THE PROJECT.
- CONTACT DLR OFFICE AT (910) 796-7215 PRIOR TO PRE-CONSTRUCTION MEETING.

**LEGEND**

- EXISTING WETLANDS
- PROPOSED WETLAND IMPACTS

**SITE DATA TABLE**

SITE AREA:	33.64 AC
EXISTING IMPERVIOUS AREA:	0.00 AC (0.00%)
PROPOSED IMPERVIOUS AREA:	1.42 AC (4.2%)
AREA TO BE CLEARED OF VEGETATION:	2.43 AC (7.2%)
PROPOSED WETLAND FILL:	0.42 AC
MECHANIZED LAND CLEARING WITHIN WETLANDS (OUTSIDE FILL AREA)	0.28 AC
TOTAL PROPOSED WETLAND IMPACT:	0.70 AC
JURISDICTIONAL RPW IMPACT:	30 FEET

**MATERIAL QUANTITIES**

CONCRETE:	580 CUBIC FEET
STRUCTURAL FILL:	27,128 CUBIC FEET
#57 STONE:	30,928 CUBIC FEET
ASPHALT:	116 CUBIC FEET

**RPW & WETLAND MATERIAL QUANTITIES**

CONCRETE:	0 CUBIC FEET
STRUCTURAL FILL:	9,224 CUBIC FEET
#57 STONE:	9,224 CUBIC FEET
ASPHALT:	0 CUBIC FEET

N/F  
**UNITED STATES OF AMERICA**  
 PID: 6308.00.45.6189000  
 D.B. N/A, PG. N/A  
 ZONING: R-20A

N/F  
**J COPPER INC.**  
 PID: 6347.04.52.4854000  
 D.B. 926, PG. 410  
 ZONING: IW/CH

N/F  
**JEAN R. WELLONS**  
 PID: 6347.03.32.3534000  
 D.B. 1333, PG. 327  
 P.B. 3, PG. 327  
 ZONING: IW/CH

N/F  
**CLAMDIGGER INC.**  
 PID: 6347.03.32.4147000  
 D.B. 0494, PG. 00394  
 ZONING: IW/CH

N/F  
**WILDWOOD ASSOCIATES**  
 PID: 6347.03.21.2013000  
 D.B. 533, PG. 87  
 ZONING: R-20

N/F  
**WILDWOOD ASSOCIATES**  
 PID: 6347.04.71.3868000  
 D.B. 534, PG. 104  
 ZONING: CH

N/F  
**ROBERT & BONNIE KELLEY FAMILY LTD.**  
 PID: 6347.04.52.3828000  
 D.B. 813, PG. 246  
 ZONING: CH

PROPOSED 36" RCP CULVERT  
 SEE SHEET SW-3 FOR DETAILS.

PROPOSED 18" RCP CULVERT.  
 SEE SHEET SW-3 FOR DETAILS.  
 30' OF LINEAR IMPACT TO RPW DITCH.

PROPOSED 20' WIDE ACCESS & UTILITY EASEMENT

EXISTING DRAINAGE DITCH

EXISTING JURISDICTIONAL RPW DITCH

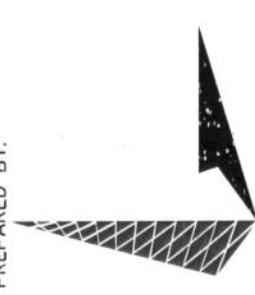
PROPOSED 12' WIDE GRAVEL ACCESS DRIVE. SEE SHEET SW-4 FOR DETAILS.


EXISTING WETLAND

**US HIGHWAY 70**

PLANS PREPARED FOR:  
**AMERICAN TOWER CORPORATION**  
 3500 REGENCY FOREST DR. STE 100  
 CARY, NC 27511

PROJECT INFORMATION:  
**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**  
 5899 US HIGHWAY 70  
 NEWPORT, NC 28570  
 (CARTERET COUNTY)

PLANS PREPARED BY:  
  
**TOWER ENGINEERING PROFESSIONALS**  
 3703 JUNCTION BOULEVARD  
 RALEIGH, NC 27603-5263  
 OFFICE: (919) 661-6351  
 www.tepgroup.net  
 N.C. LICENSE # C-1794

SEAL:  
  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 MATTHEW W. COLLINS  
 September 13, 2013

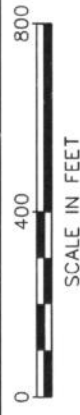
6	09-13-13	REV. STORMWATER MANAGE.
5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
REV	DATE	ISSUED FOR:

DRAWN BY: MWC CHECKED BY: GMA  
 SHEET TITLE:  
**STORMWATER MANAGEMENT PLAN**

SHEET NUMBER: **SW-2** REVISION: **6**  
 TEP #: 100732

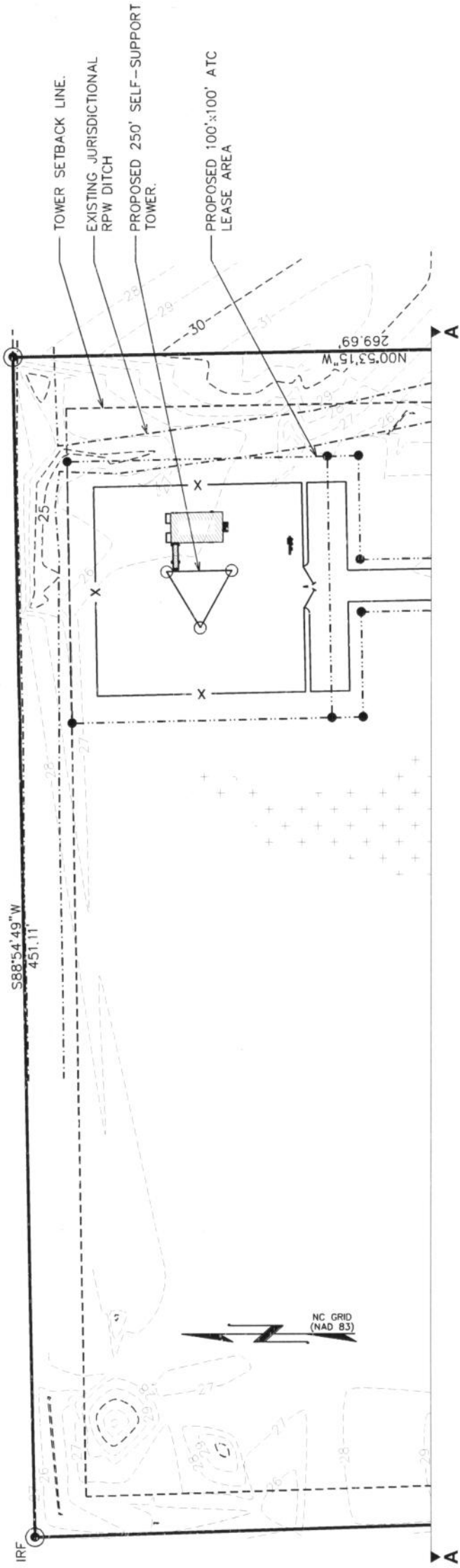
**STORMWATER MANAGEMENT PLAN**

SCALE: 1" = 400'



**NOTES:**

1. THE BASIS OF THE MERIDIANS AND COORDINATES FOR THIS PLAT IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NCSPCS NAD 83), BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON FEBRUARY 18, 2010.
2. VERTICAL INFORMATION SHOWN, BASED ON THE NORTH AMERICAN VERTICAL DATUM OF NAVD 1988 IN FEET.
3. ALL DISTANCES ARE GROUND UNLESS OTHERWISE NOTED.
4. THIS PROPERTY IS NOT LOCATED IN A FLOOD ZONE ACCORDING TO FEMA COMMUNITY PANEL #3720634700J, DATED JULY 16, 2003.



LEGEND	
—	EXISTING PROPERTY LINE
⊕	EXISTING UTILITY POLE
⊙	EXISTING TELCO PEDESTAL
●	PROPERTY CORNER
---200---	EXISTING CONTOUR LINE
///	EDGE OF PAVEMENT
---OHW---	OVERHEAD WIRE
---R/W---	RIGHT-OF-WAY
— X —	CHAIN LINK FENCE

**SITE LAYOUT**  
SCALE: 1" = 50'



PLANS PREPARED FOR:  
**AMERICAN TOWER CORPORATION**  
3500 REGENCY FOREST DR., STE 100  
CARY, NC 27511

PROJECT INFORMATION:  
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**ATC #: 273437**  
**HIBBS ROAD**  
5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:  
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REV	DATE	ISSUED FOR:
5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:  
**STORMWATER MANAGEMENT DETAILS I**

SHEET NUMBER: **SW-2A** REVISION: **5**  
TEP #: 100732

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR, STE 100  
CARY, NC 27511

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AT&T #: 316-051  
ATC #: 273437  
HIBBS ROAD

5899 US HIGHWAY 70  
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PLANS PREPARED BY:



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N.C. LICENSE # C-1794

SEAL:



August 20, 2013

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2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

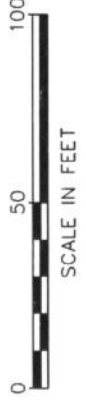
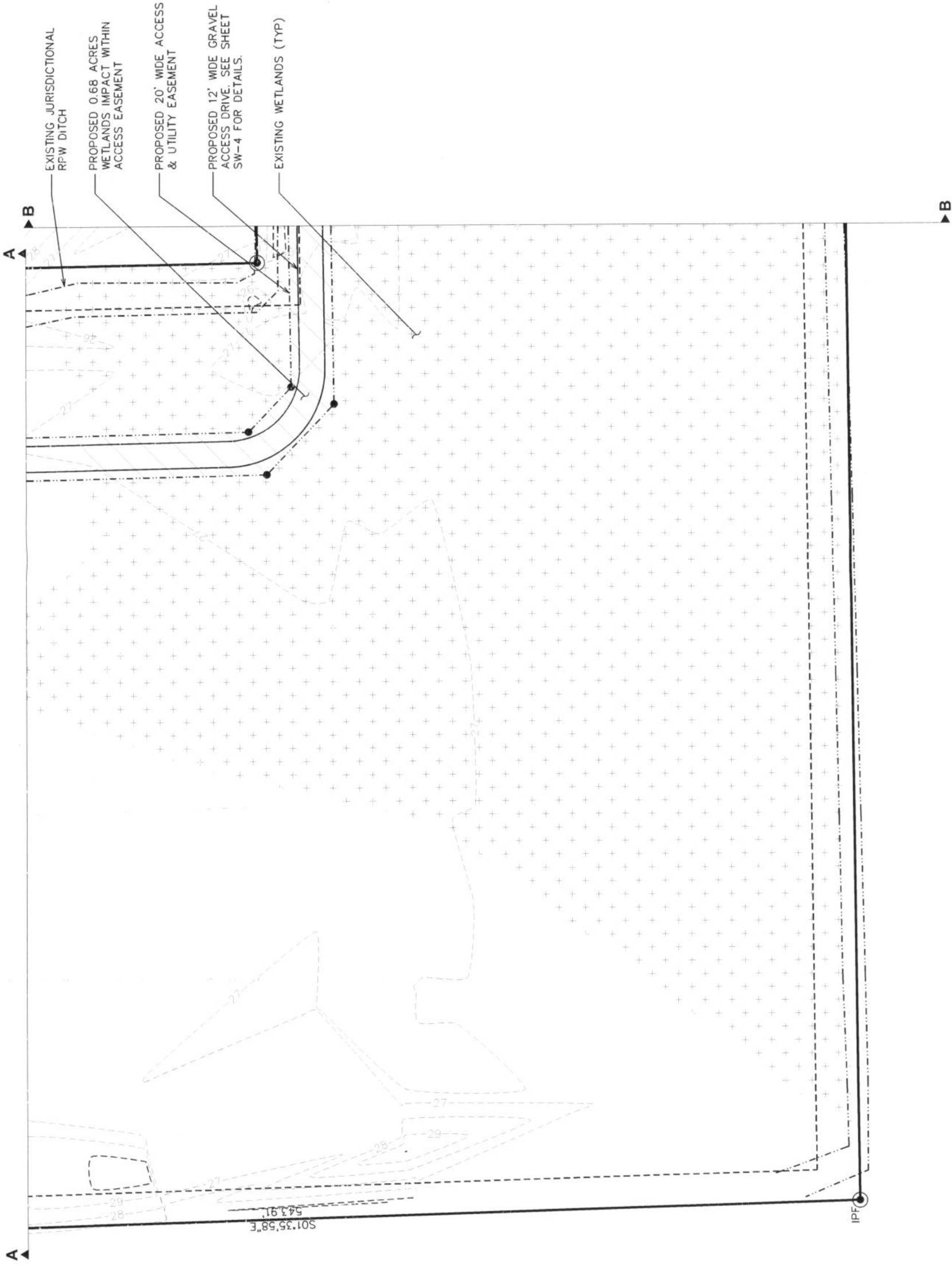
SHEET TITLE:

STORMWATER  
MANAGEMENT  
DETAILS II

SHEET NUMBER:

REVISION: 5

TEP #: 100732



SITE LAYOUT  
SCALE: 1" = 50'

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
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CARY, NC 27511

PROJECT INFORMATION:

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2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:

STORMWATER  
MANAGEMENT  
DETAILS III

SHEET NUMBER:

SW-2C

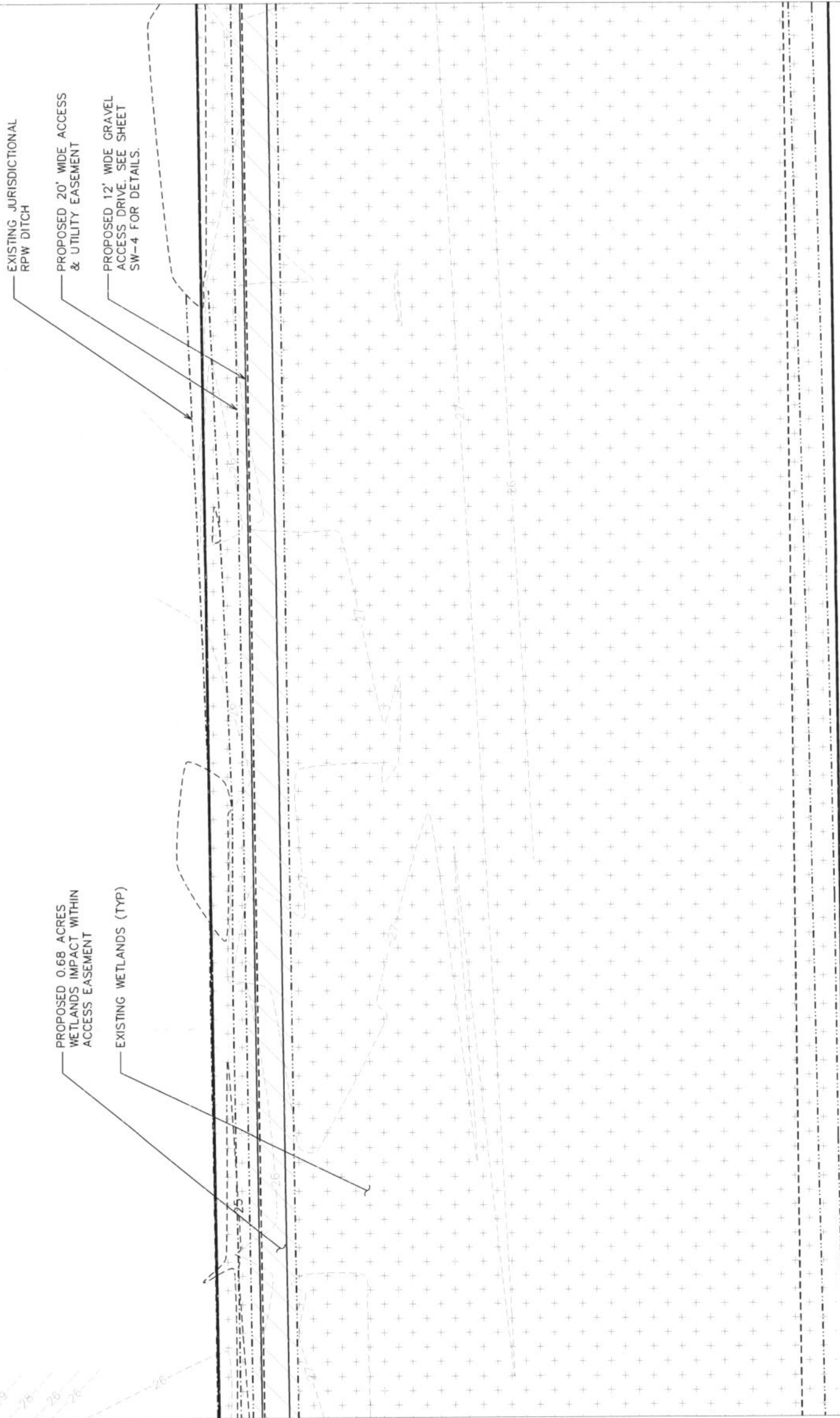
REVISION:

5

TEP #: 100732

B

C

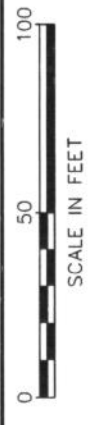


B

C

SITE LAYOUT

SCALE: 1" = 50'



SCALE IN FEET

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
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CARY, NC 27511

PROJECT INFORMATION:

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N.C. LICENSE # C-1794

SEAL:



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DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:

STORMWATER  
MANAGEMENT  
DETAILS III

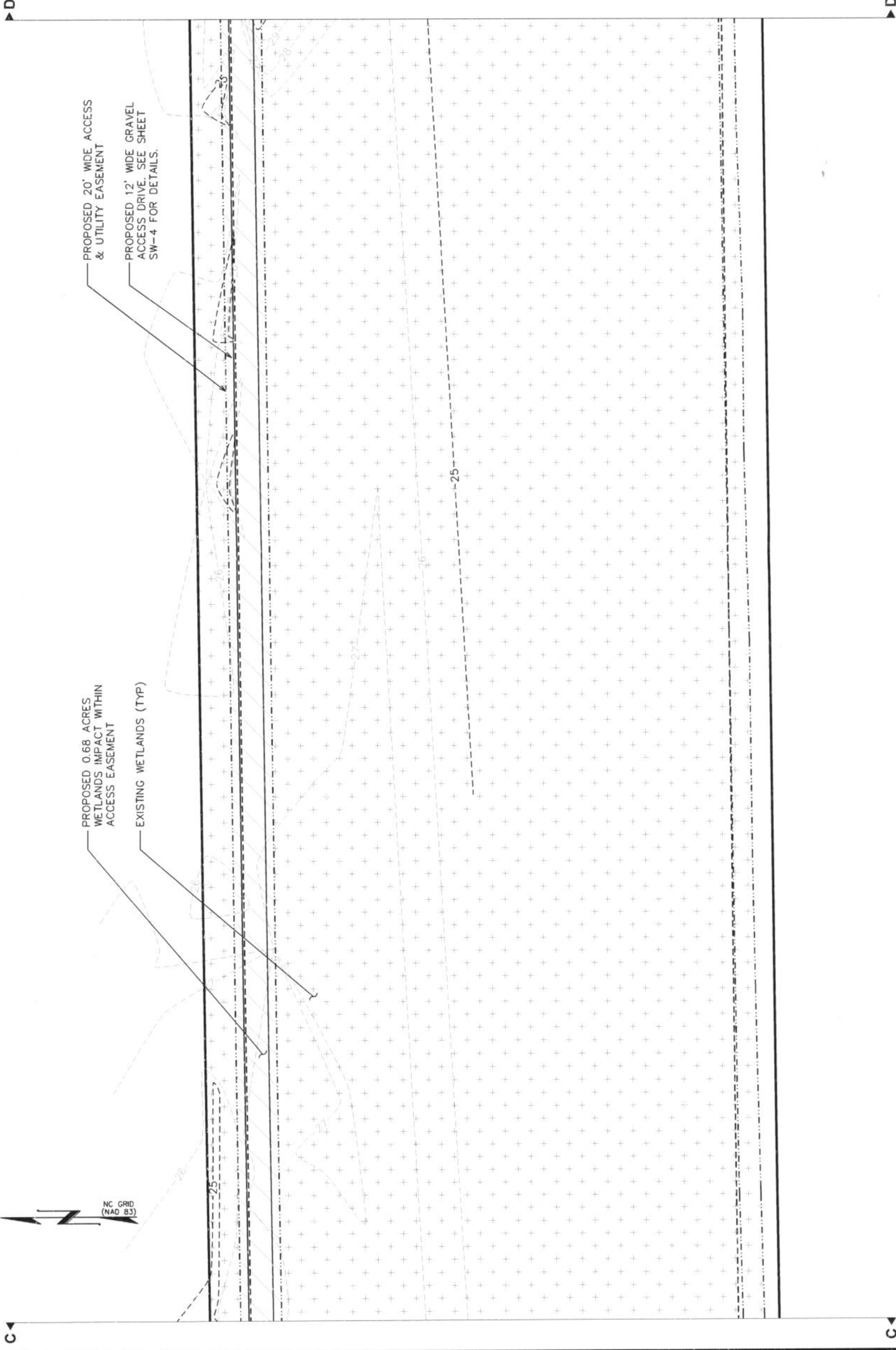
SHEET NUMBER:

REVISION:

**SW-2D**

5

TEP #: 100732



**SITE LAYOUT**  
SCALE: 1" = 50'

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

AT&T #: 316-051  
ATC #: 273437  
HIBBS ROAD

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



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RALEIGH, NC 27603-5263  
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N.C. LICENSE # C-1794

SEAL:



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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:

STORMWATER  
MANAGEMENT  
DETAILS V

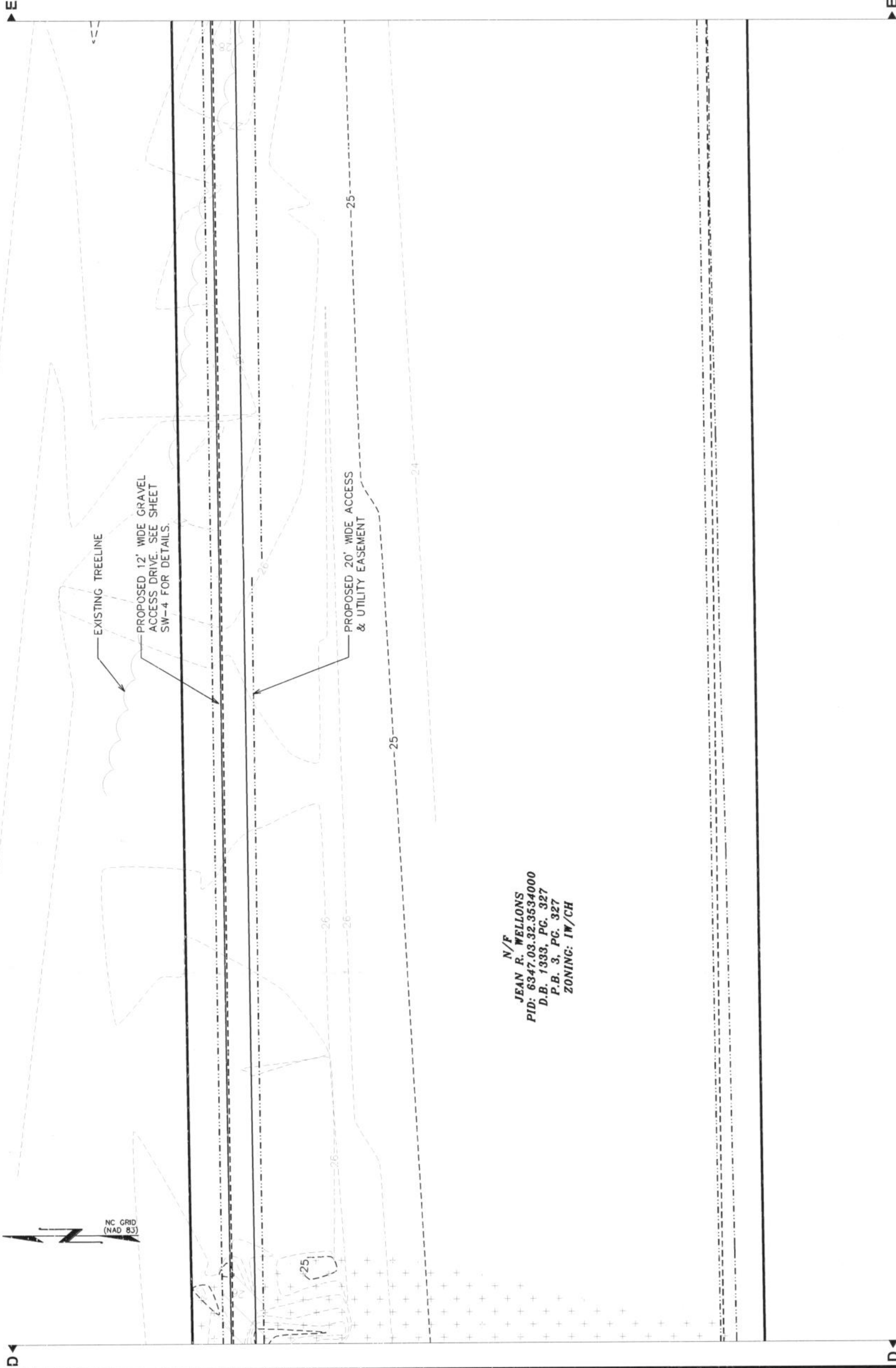
SHEET NUMBER:

REVISION:

SW-2E

5

TEP #: 100732



N/F  
JEAN R. WELLONS  
PID: 6347.03.32.9534000  
D.B. 1333, PG. 327  
P.B. 3, PG. 327  
ZONING: IW/CH




SITE LAYOUT  
SCALE: 1" = 50'



PLANS PREPARED FOR:  
**AMERICAN TOWER CORPORATION**  
 3500 REGENCY FOREST DR., STE 100  
 CARY, NC 27511

PROJECT INFORMATION:  
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**ATC #: 273437**  
**HIBBS ROAD**  
 5899 US HIGHWAY 70  
 NEWPORT, NC 28570  
 (CARTERET COUNTY)

PLANS PREPARED BY:  
  
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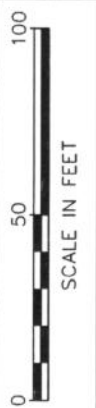
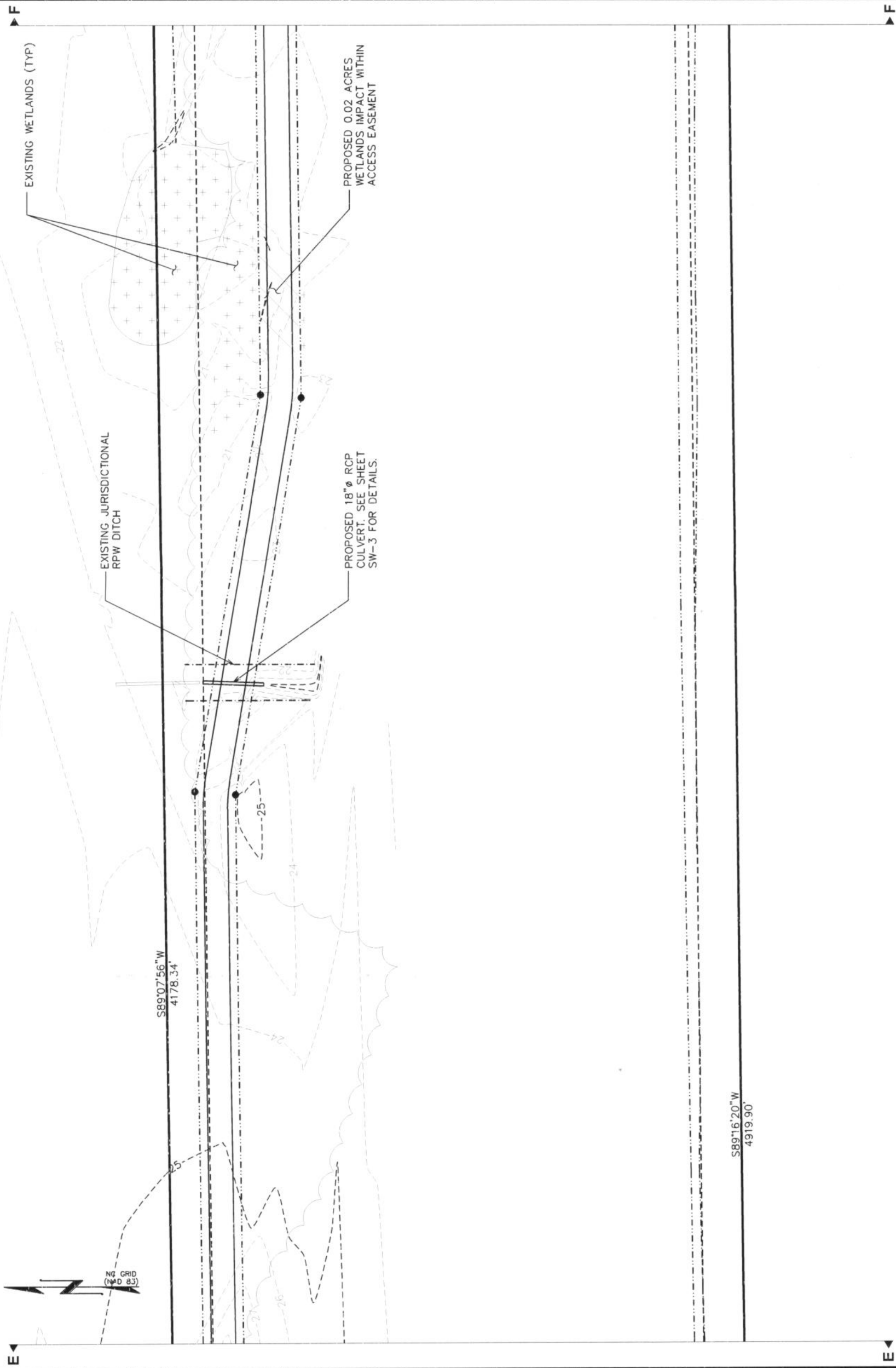
SEAL:  
  
 August 20, 2013

REV	DATE	ISSUED FOR:
5	08-20-13	REV. STORMWATER MANAGE.
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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:  
**STORMWATER MANAGEMENT DETAILS VI**

SHEET NUMBER:  
**SW-2F**  
 REVISION: **5**  
 TEP #: 100732



**SITE LAYOUT**  
 SCALE: 1" = 50'

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

AT&T #: 316-051  
ATC #: 273437  
HIBBS ROAD  
5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



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OFFICE: (919) 661-6351  
www.tepgroup.net  
N.C. LICENSE # C-1794

SEAL:



August 20, 2013

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3	03-14-13	REV. STORMWATER MANAGE.
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DRAWN BY: MTC CHECKED BY: GMA

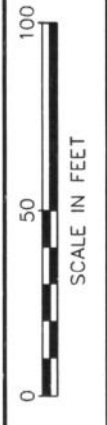
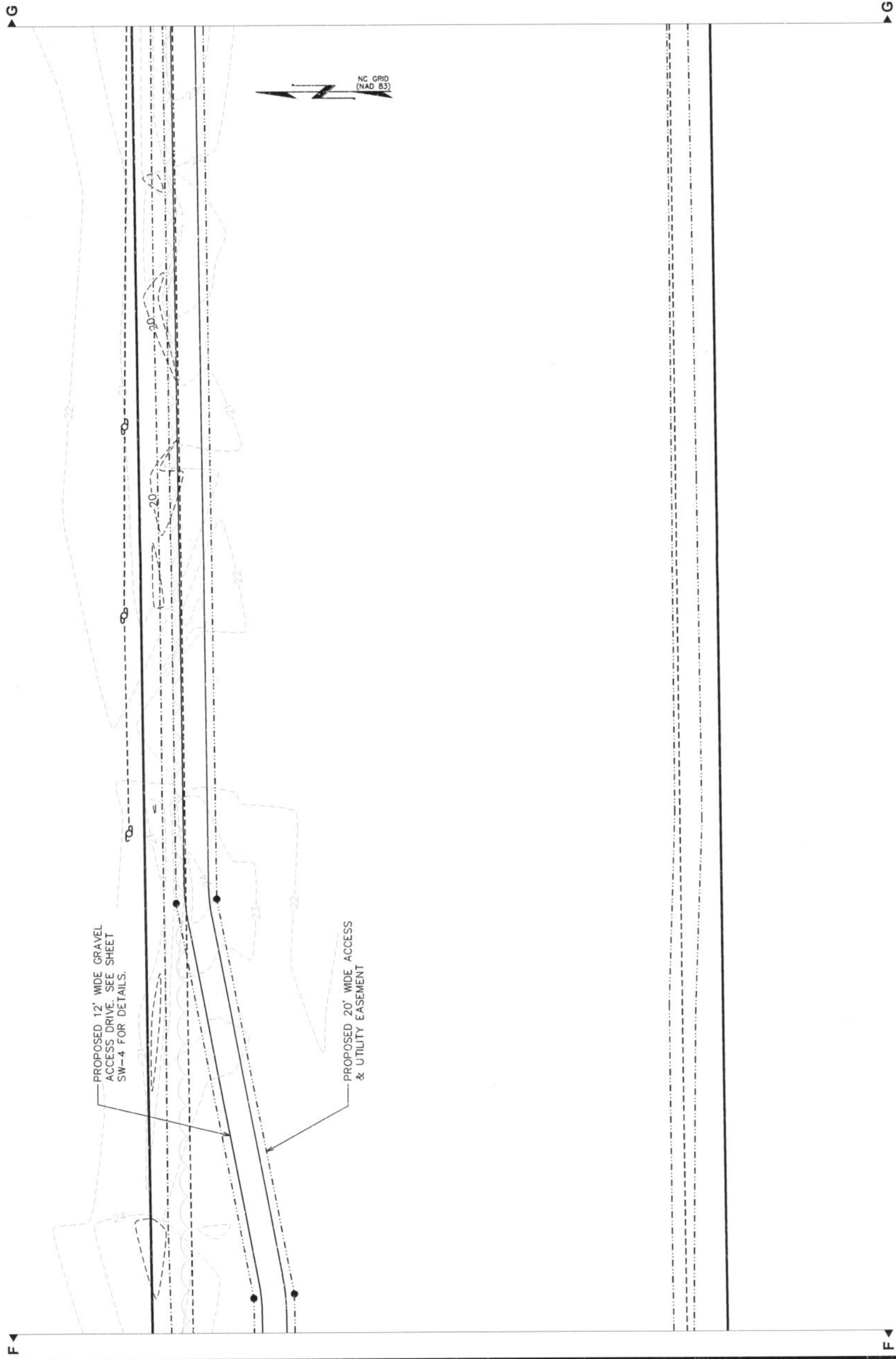
SHEET TITLE:

**STORMWATER  
MANAGEMENT  
DETAILS VII**

SHEET NUMBER:

REVISION: **5**

**SW-2G**  
TEP #: 100732



**SITE LAYOUT**  
SCALE: 1" = 50'

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION

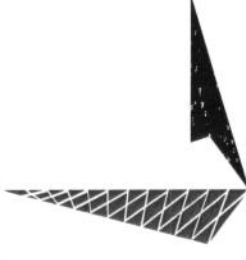
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

AT&T #: 316-051  
ATC #: 273437  
HIBBS ROAD

5899 US HIGHWAY 70  
NEWPORT, NC 28570  
(CARTERET COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
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N.C. LICENSE # C-1794

SEAL:



August 20, 2013

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3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:

STORMWATER  
MANAGEMENT  
DETAILS VIII

SHEET NUMBER:

REVISION:

**SW-2H**



**SITE LAYOUT**  
SCALE: 1" = 50'

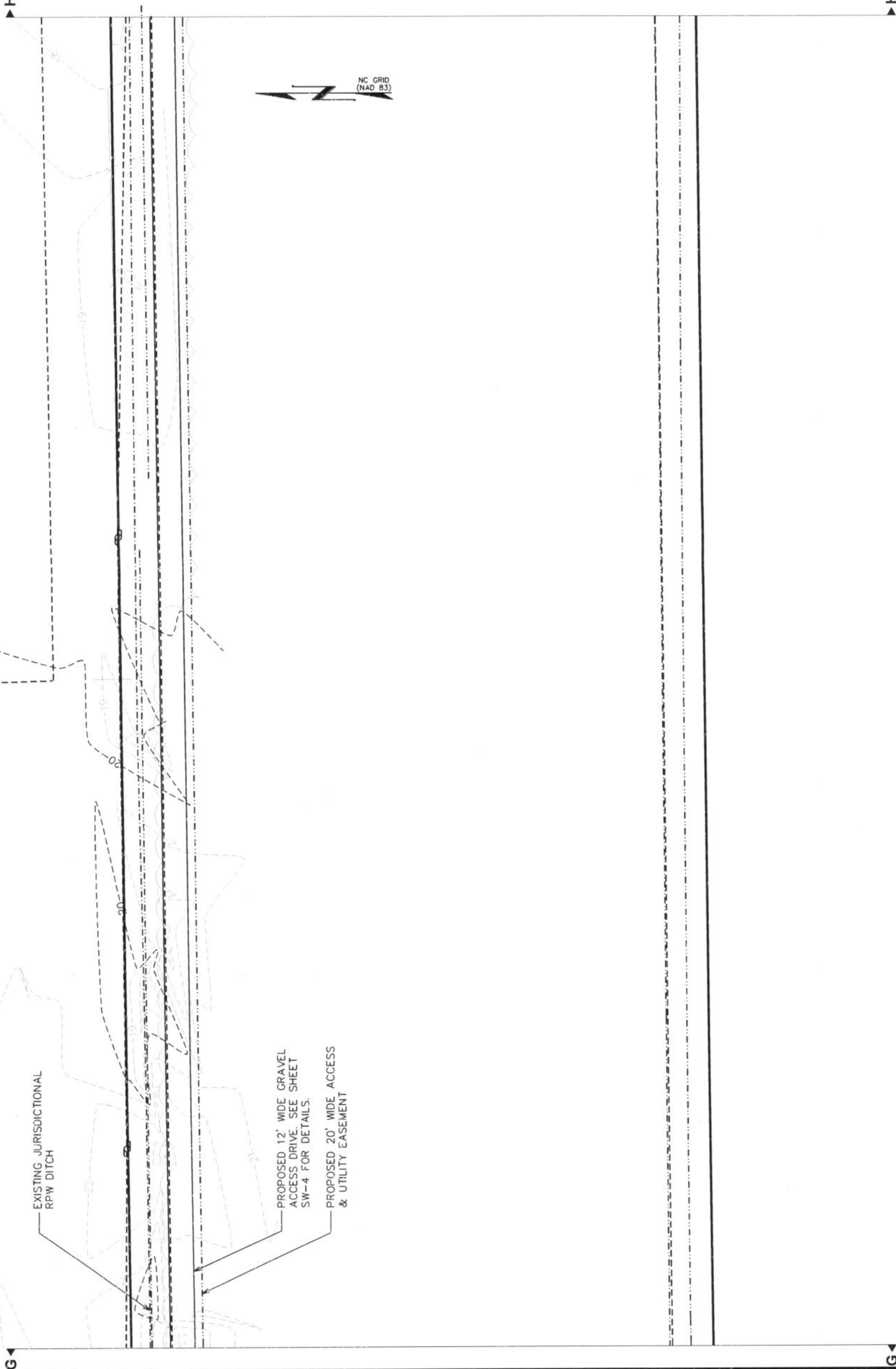
TEP #: 100732



EXISTING JURISDICTIONAL  
RPW DITCH

PROPOSED 12' WIDE GRAVEL  
ACCESS DRIVE. SEE SHEET  
SW-4 FOR DETAILS.

PROPOSED 20' WIDE ACCESS  
& UTILITY EASEMENT



PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

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HIBBS ROAD

5899 US HIGHWAY 70  
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SEAL:



August 20, 2013

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2	12-01-11	REV. STORMWATER MANAGE.

DRAWN BY: MTC CHECKED BY: GMA

SHEET TITLE:

STORMWATER  
MANAGEMENT  
DETAILS VIII

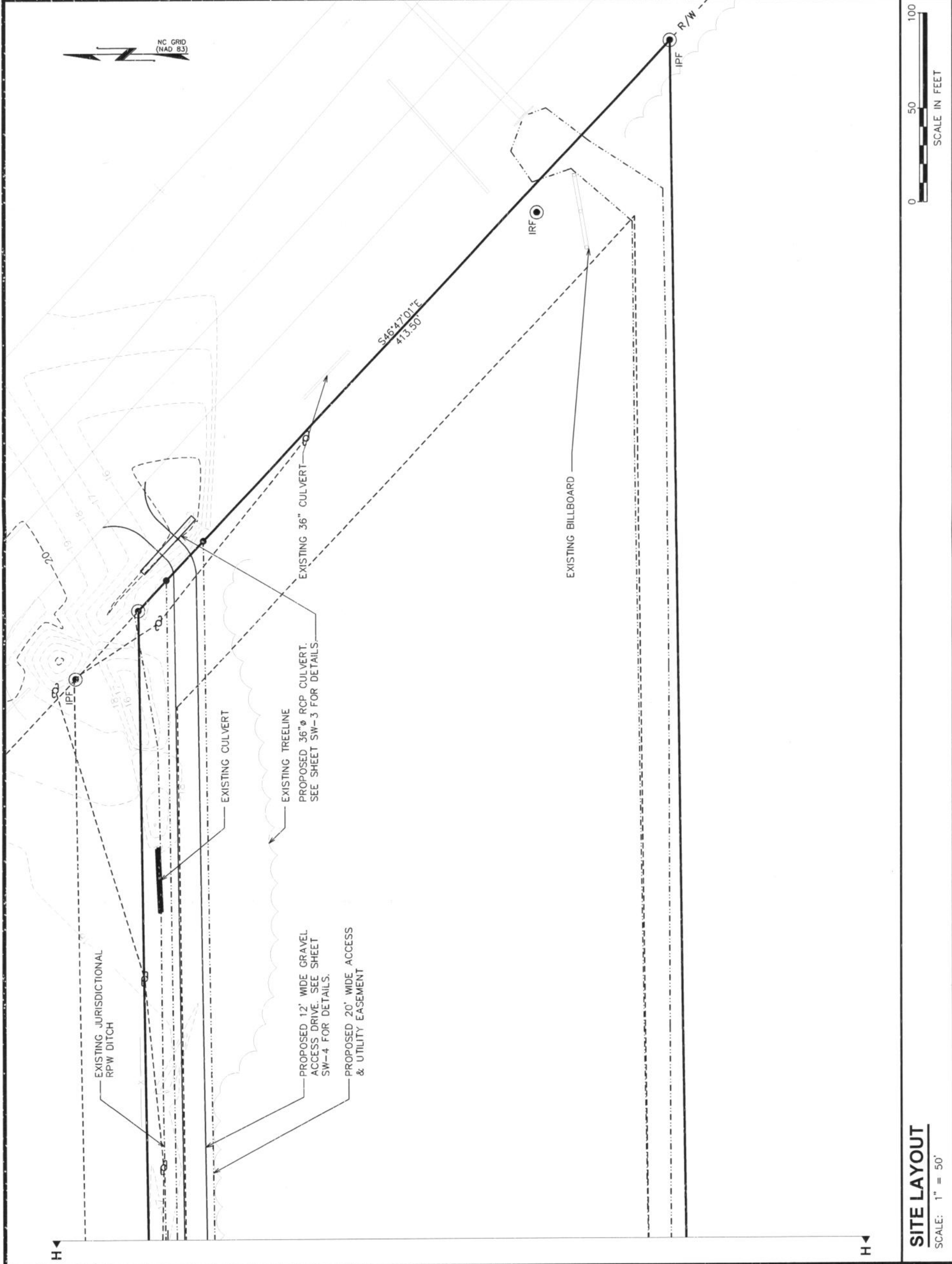
SHEET NUMBER:

SW-21

REVISION:

5

TEP #: 100732



SITE LAYOUT  
SCALE: 1" = 50'

PLANS PREPARED FOR:

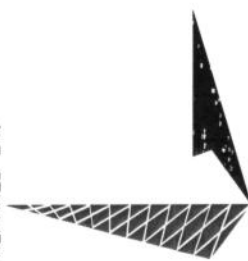


3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
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**HIBBS ROAD**  
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PLANS PREPARED BY:



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SEAL:



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2	12-01-11	REV. STORMWATER MANAGE.
REV	DATE	ISSUED FOR:

DRAWN BY: CMT CHECKED BY: ATH

SHEET TITLE:

### CULVERT DETAILS

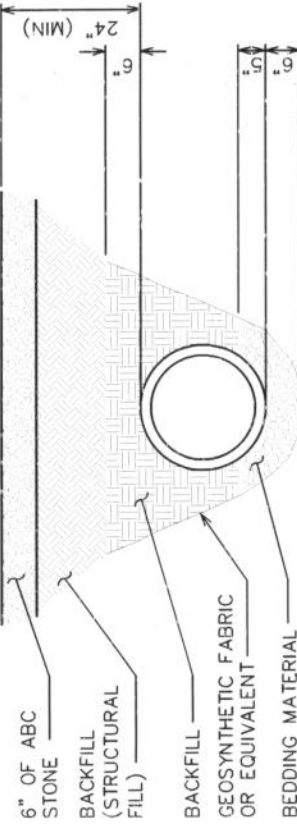
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# SW-3

REVISION:

5

TEP #: 100732

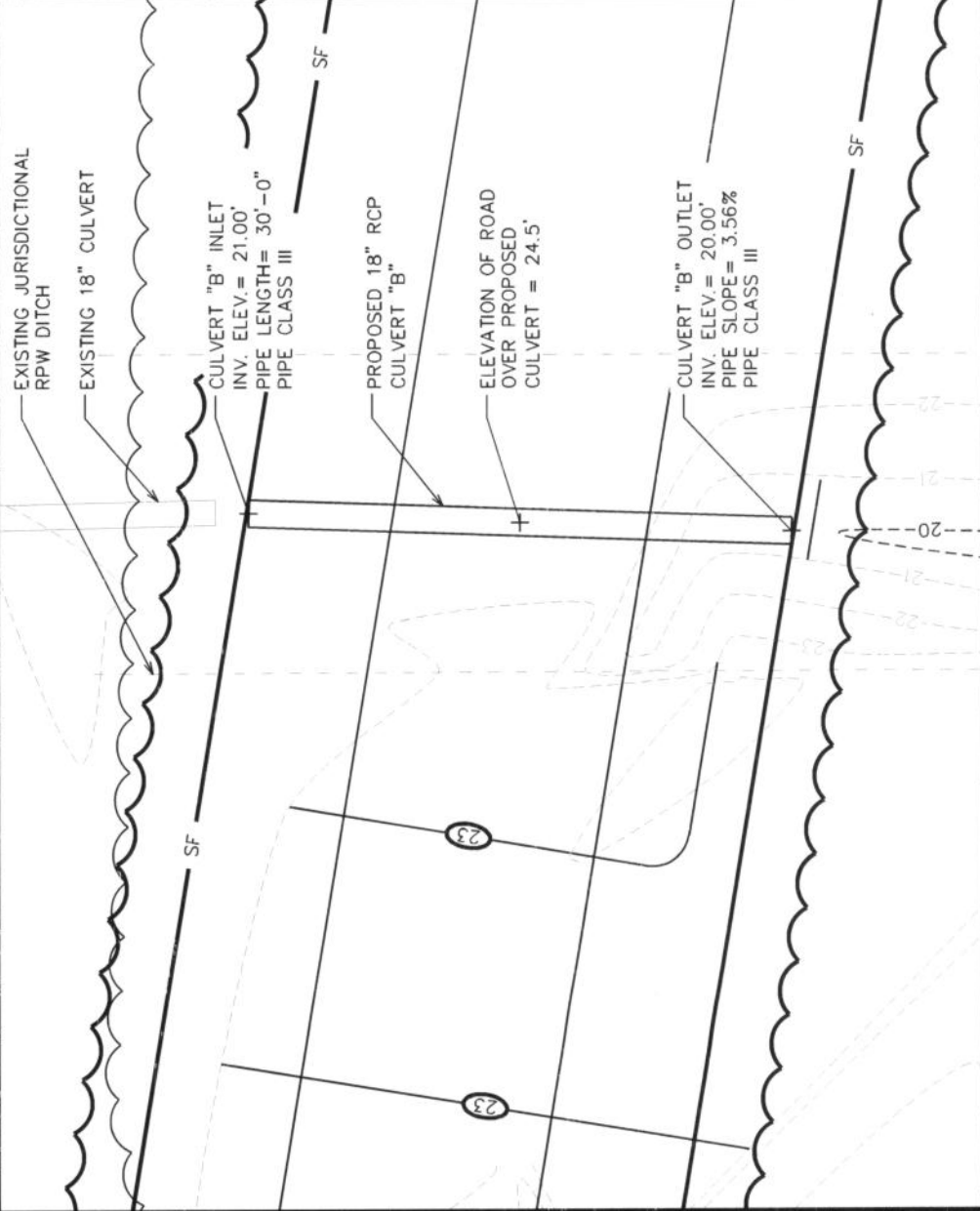


### NOTE:

APPROXIMATELY 60 CUBIC FEET OF FILL WILL BE PLACED BE WITHIN THE JURISDICTIONAL RPW.

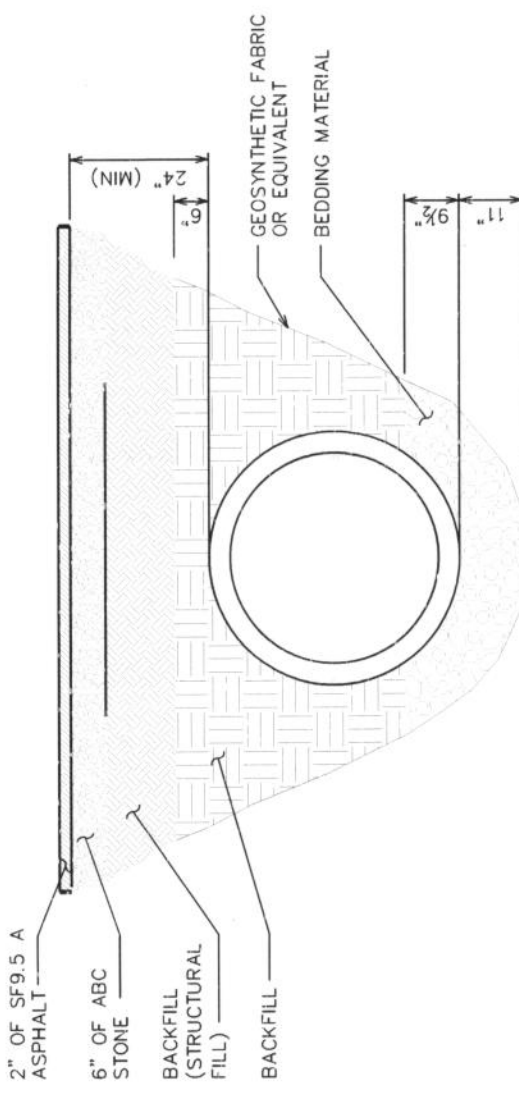
### CULVERT "B" SECTION

SCALE: 3/8" = 1'-0"



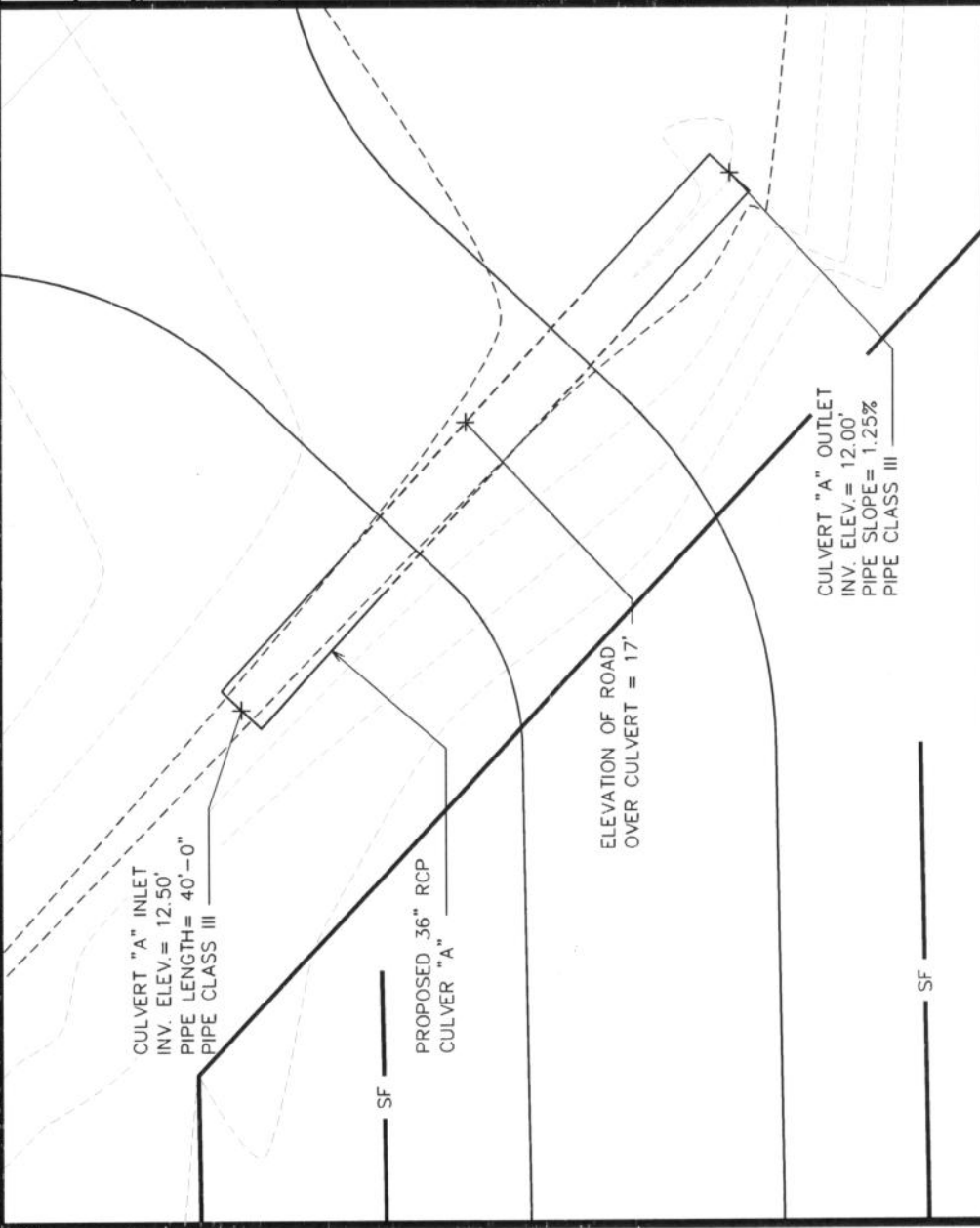
### CULVERT "B" DETAIL

SCALE: 1" = 10'



### CULVERT "A" SECTION

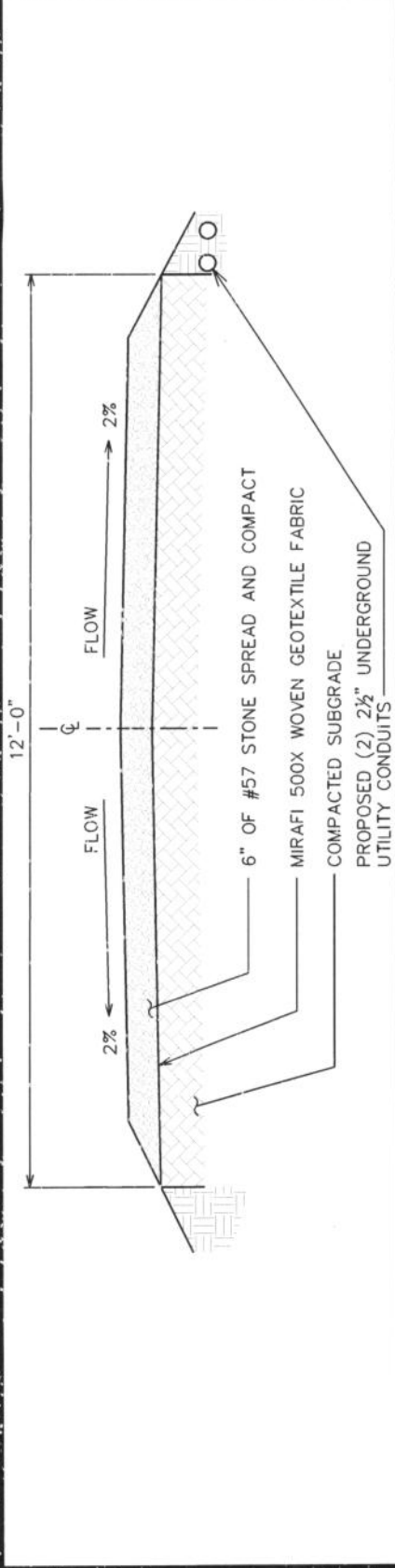
SCALE: 3/8" = 1'-0"



### CULVERT "A" DETAIL

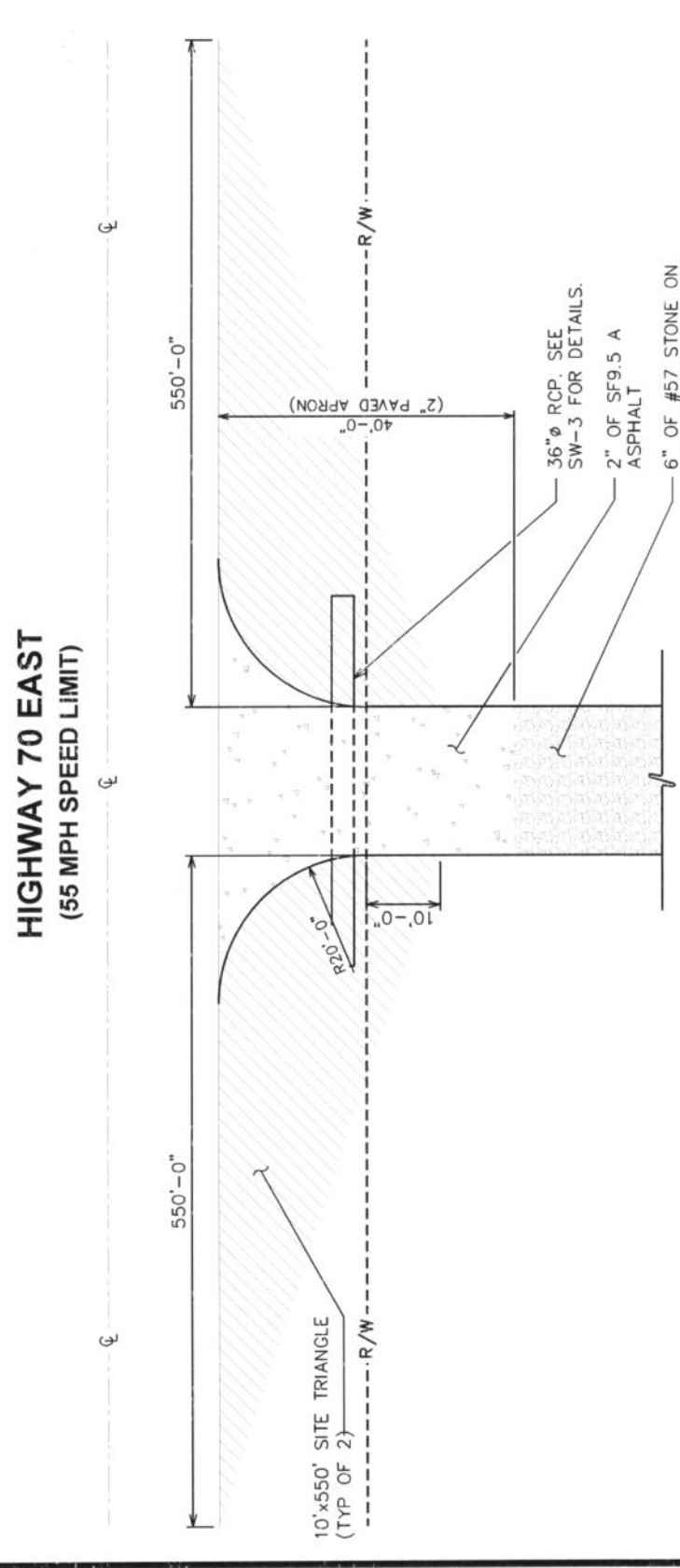
SCALE: 1" = 10'





**STANDARD ROAD SECTION (GOOD SUBGRADE)**

SCALE: N.T.S.



**NOTES:**

1. TURNING RADIUS THAT IS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS SHALL BE PROVIDED.
2. THE ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
3. ENTRANCE(S) MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOP DRESSING WITH STONE WILL BE NECESSARY.
4. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
5. GRAVEL CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.
6. ACCESS ROADS ARE DESIGNED AND SHALL BE MAINTAINED TO SUPPORT THE LOADS OF FIRE APPARATUS AND SHALL BE SURFACED AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.

**STABILIZED CONSTRUCTION ENTRANCE**

N.T.S.

**6.06**

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**

**Definition** A gravelled area or pad located at points where vehicles enter and leave a construction site.

**Purpose** To provide a buffer area where vehicles can drop their mud and sediment to avoid transporting it onto public roads, to control erosion from surface runoff, and to help control dust.

**Conditions Where Practices Apply** Whenever traffic will be leaving a construction site and moving directly onto a public road or other paved off-site area. Construction plans should limit traffic to properly constructed entrances.

**Design Criteria**  
**Aggregate Size**—Use 2.3 inch washed stone.  
**Dimensions of gravel pad**—  
 Thickness: 6 inches minimum  
 Width: 12-foot minimum or full width at all points of the vehicular entrance and exit area, whichever is greater  
 Length: 30-foot minimum  
**Location**—Locate construction entrances and exits to limit sediment from leaving the site and to provide for maximum utility by all construction vehicles (Figure 6.06a). Avoid steep grades, and entrances at curves in public roads.

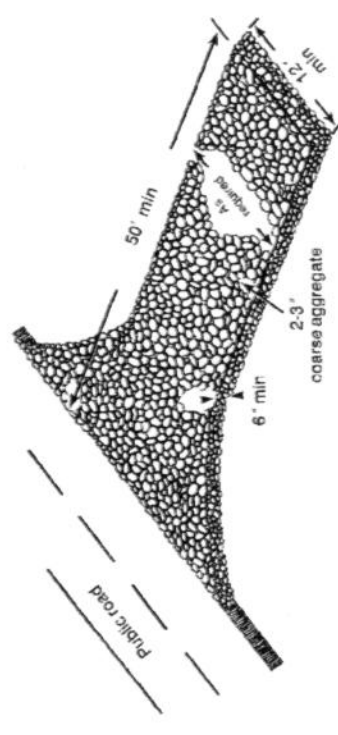


Figure 6.06a Gravel entrance/exit keeps sediment from leaving the construction site (modified from Va SWDC).

**6**

**Washing**—If conditions at the site are such that most of the mud and sediment are not removed by vehicles traveling over the gravel, the tires should be washed. Washing should be done on an area stabilized with crushed stone that drains into a sediment trap or other suitable disposal area. A wash rack may also be used to make washing more convenient and effective.

**Construction Specifications**

1. Clear the entrance and exit area of all vegetation, rocks, and other objectionable material and properly grade it.
2. Place the gravel to the specific grade and dimensions shown on the plans, and smooth it.
3. Provide drainage to carry water to a sediment trap or other suitable outlet.
4. Use geotextile fabrics because they improve stability of the foundation in locations subject to seepage or high water table.

**Maintenance**

Maintain the gravel pad in a condition to prevent mud or sediment from leaving the construction site. This may require periodic topdressing with 2-inch stone. After each rainfall, inspect any structure used to trap sediment and clean it out as necessary. Immediately remove all objectionable materials spilled, washed, or tracked onto public roadways.

**References**

- Runoff Conveyance Manure
- 6.30, Grass-lined Channels
- Sediment Traps and Barriers
- 6.60, Temporary Sediment Trap

PLANS PREPARED FOR:

AMERICAN TOWER CORPORATION  
 3500 REGENCY FOREST DR. STE 100  
 CARY, NC 27511

PROJECT INFORMATION:

**AT&T #: 316-051**  
**ATC #: 273437**  
**HIBBS ROAD**  
 5899 US HIGHWAY 70  
 NEWPORT, NC 28570  
 (CARTERET COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS  
 3703 JUNCTION BOULEVARD  
 RALEIGH, NC 27603-5263  
 OFFICE: (919) 661-6351  
 www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:

August 20, 2013

5	08-20-13	REV. STORMWATER MANAGE.
4	04-29-13	REV. STORMWATER MANAGE.
3	03-14-13	REV. STORMWATER MANAGE.
2	12-01-11	REV. STORMWATER MANAGE.
REV	DATE	ISSUED FOR:

DRAWN BY: CMT CHECKED BY: ATH

SHEET TITLE:  
**DRIVEWAY DETAILS**

SHEET NUMBER:  
**SW-4**

REVISION:  
**5**

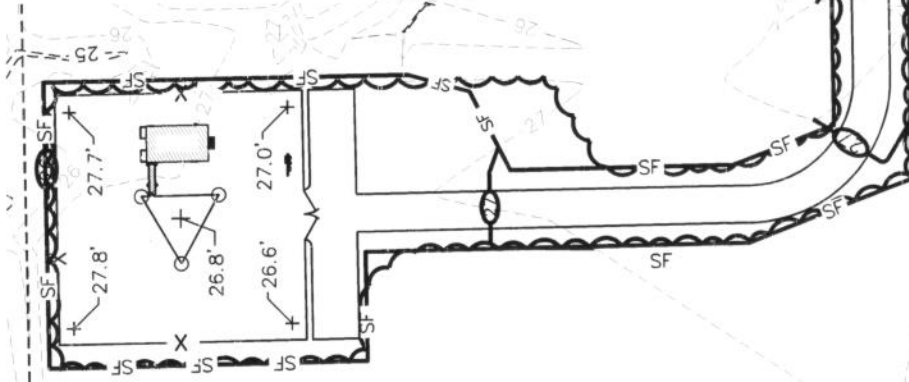
TEP #: 100732

**CONSTRUCTION ENTRANCE**

N.T.S.

**GRADING NOTE:**

1. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ACROSS COMPOUND.
2. ANY FILL BROUGHT TO THE SITE MUST COME FROM AN APPROVED EROSION CONTROL SITE OR APPROVED MINING SITE.



PROPOSED 12' WIDE GRAVEL ACCESS DRIVE. SEE SHEET SW-4 FOR DETAILS.

PROPOSED SILT FENCE. SEE THIS FOR DETAILS.  
PROPOSED CLEARING LIMITS

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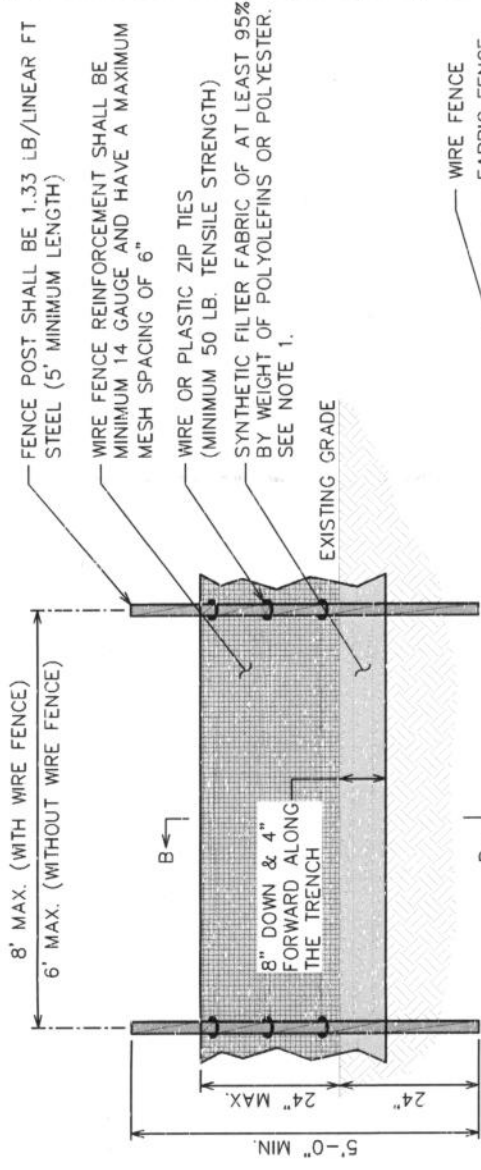
August 20, 2013

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DRAWN BY: MTC CHECKED BY: GMA

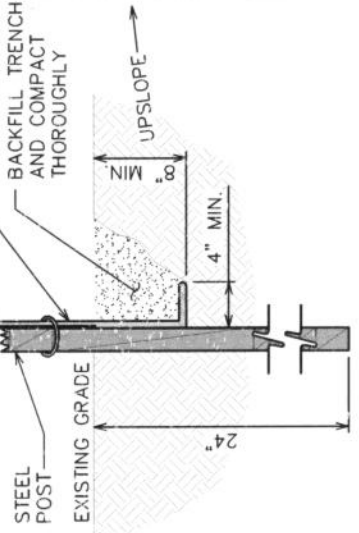
SHEET TITLE:  
**SOIL AND EROSION CONTROL PLAN I**

SHEET NUMBER: **SW-5A**  
REVISION: **5**  
TEP #: 100732



**NOTES:**

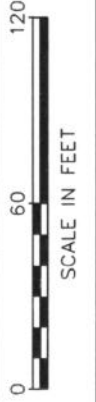
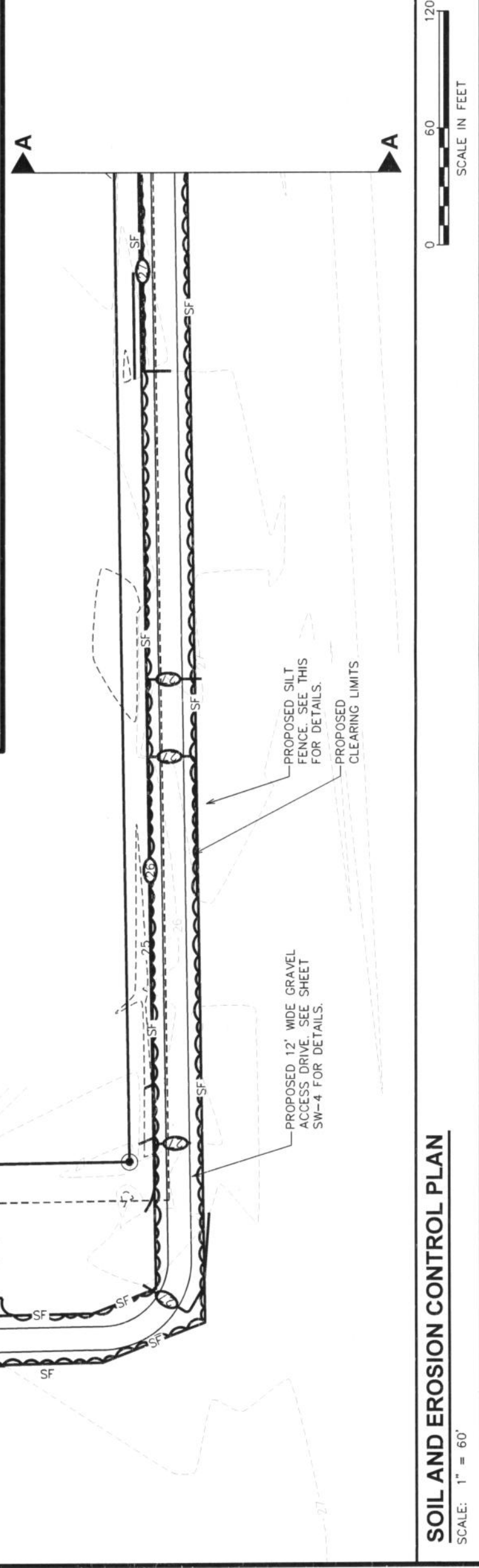
1. FILTER FABRIC SHALL CONFORM TO THE REQUIREMENTS LISTED IN ASTM D 6461.
2. ENDS OF INDIVIDUAL FILTER FABRIC SHALL BE SECURELY FASTENED AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST
3. PLACE 12 INCHES OF FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
4. INSPECT SEDIMENT FENCE(S) AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL.
5. REMOVE SEDIMENT DEPOSITS AT 6" DEEP TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE.
6. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE AND PROPERLY STABILIZE THE SITE.



**SECTION B-B**

**SILT FENCE DETAILS**

SCALE: N.T.S.



**SOIL AND EROSION CONTROL PLAN**

SCALE: 1" = 60'

PLANS PREPARED FOR:



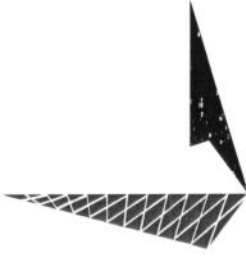
3500 REGENCY FOREST DR. STE 100  
CARY, NC 27511

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**HIBBS ROAD**

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DRAWN BY: TRG CHECKED BY: GMA

SHEET TITLE:

### SOIL AND EROSION CONTROL PLAN II

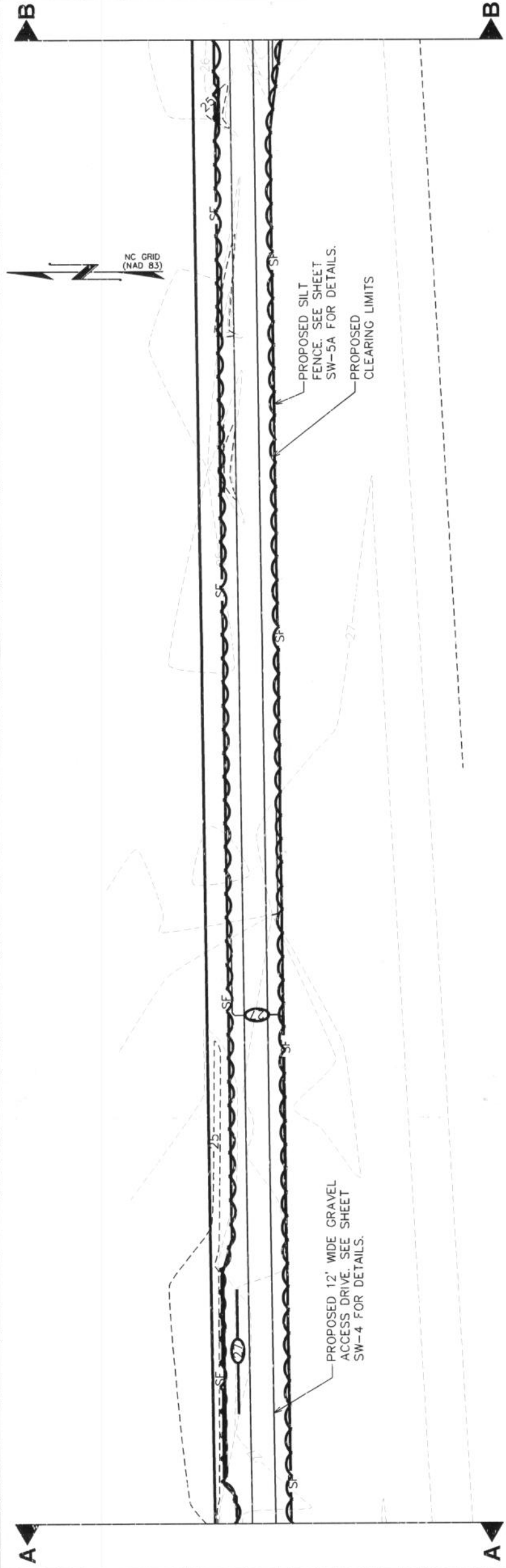
SHEET NUMBER:

# SW-5B

REVISION:

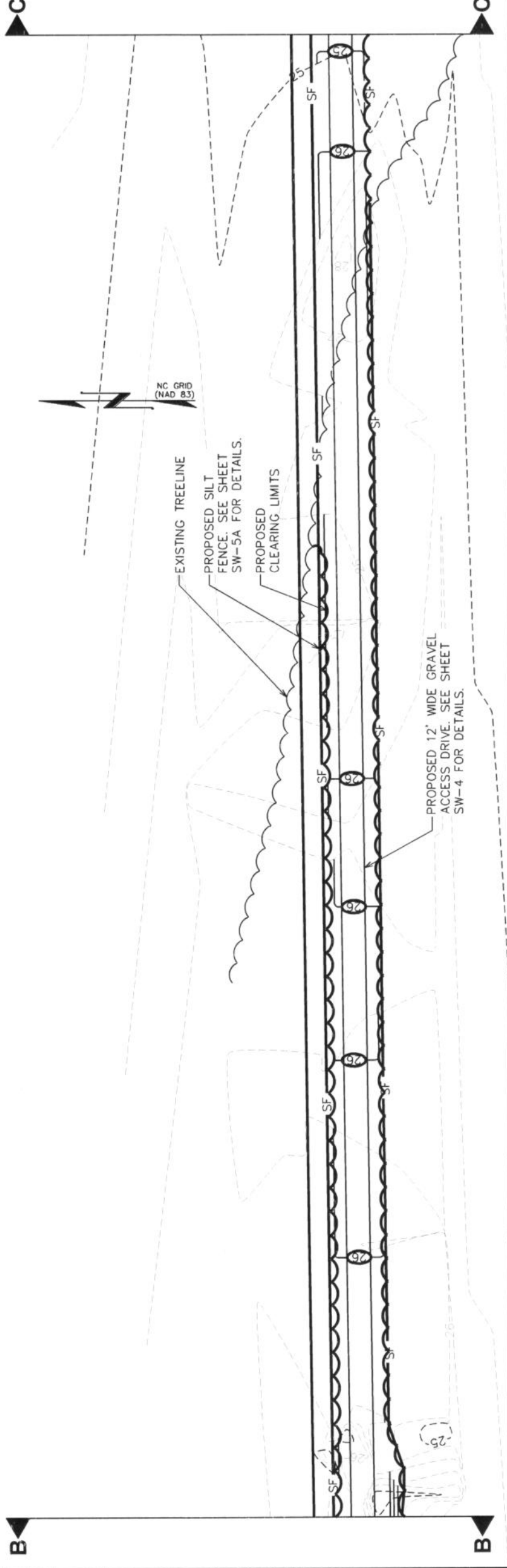
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TEP #: 100732



### SOIL AND EROSION CONTROL PLAN

SCALE: 1" = 60'



### SOIL AND EROSION CONTROL PLAN

SCALE: 1" = 60'



PLANS PREPARED FOR:



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DRAWN BY: TRG CHECKED BY: GMA

SHEET TITLE:

SOIL AND EROSION CONTROL PLAN III

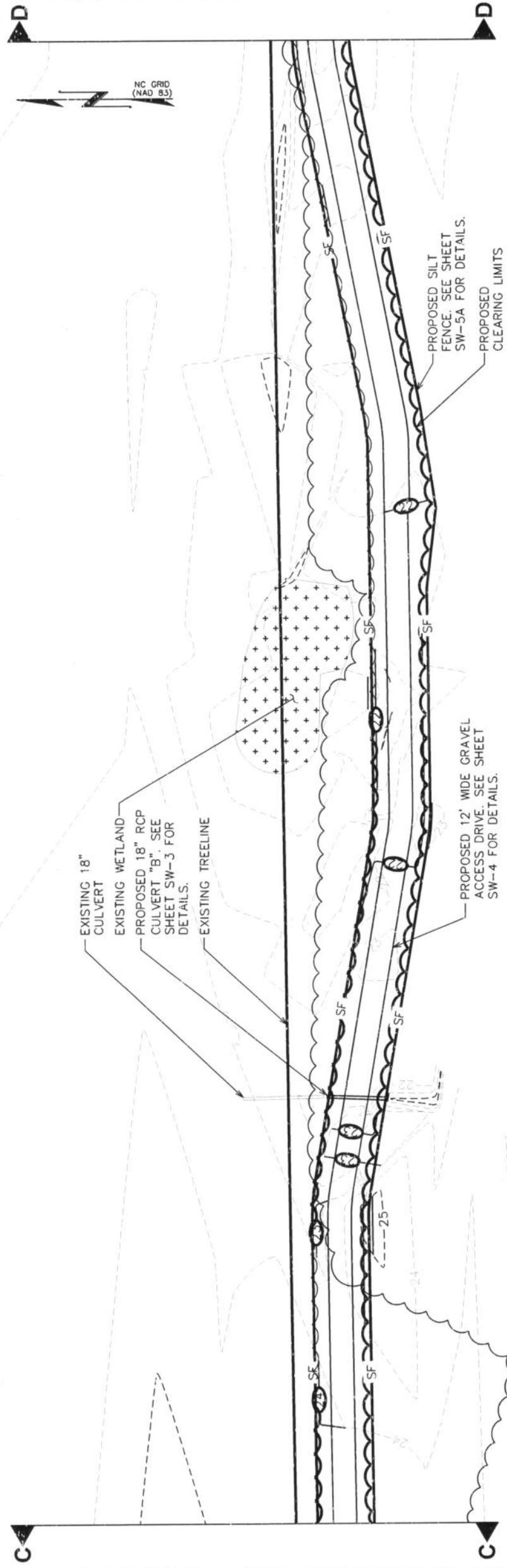
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SW-5C

REVISION:

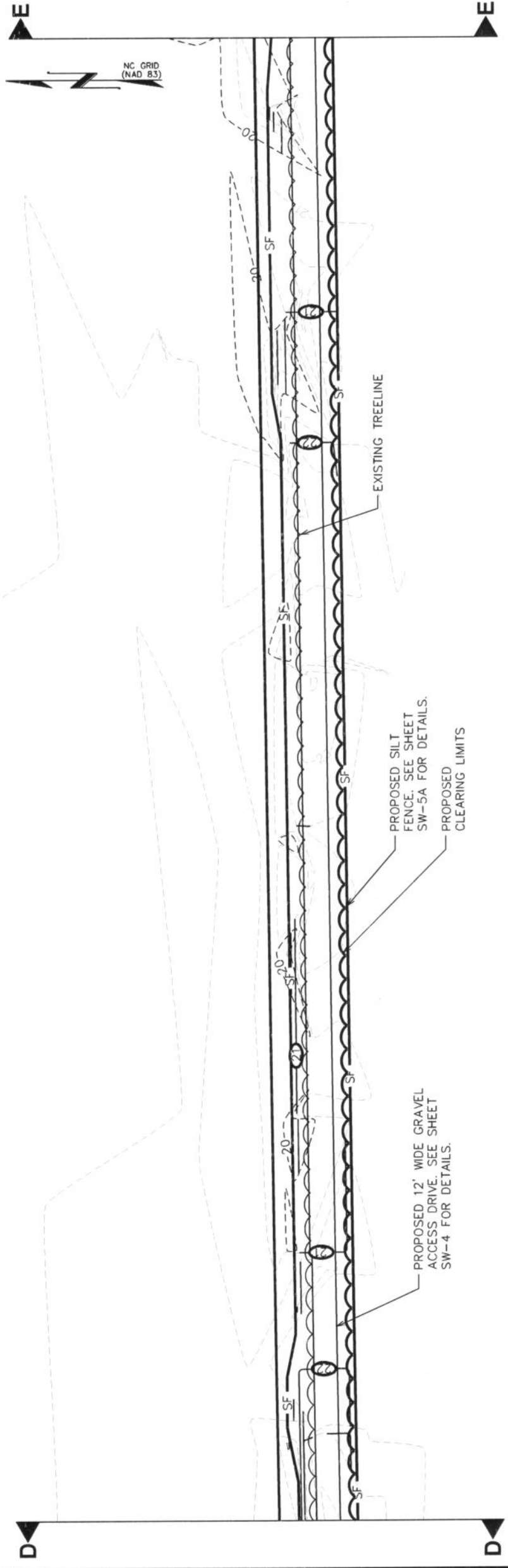
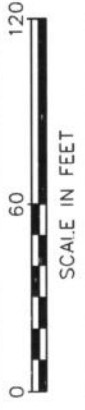
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TEP #: 100732



SOIL AND EROSION CONTROL PLAN

SCALE: 1" = 60'

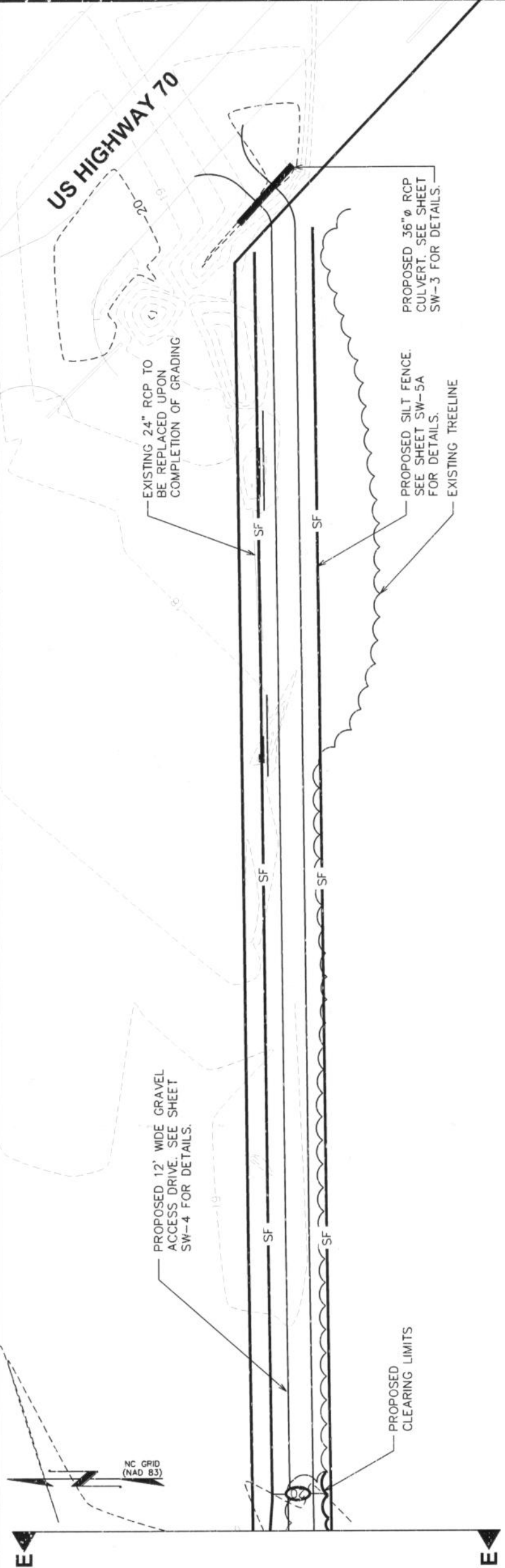


SOIL AND EROSION CONTROL PLAN

SCALE: 1" = 60'



E



**SOIL AND EROSION CONTROL PLAN**

SCALE: 1" = 60'



SCALE IN FEET

PLANS PREPARED FOR:



AMERICAN TOWER CORPORATION  
3500 REGENCY FOREST DR. STE 100  
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REV	DATE	ISSUED FOR:

DRAWN BY: TRG CHECKED BY: GMA

SHEET TITLE:

**SOIL AND EROSION CONTROL PLAN III**

SHEET NUMBER:	REVISION:
<b>SW-5D</b>	<b>5</b>
TEP #: 100732	

**TEMPORARY SEEDING SPECIFICATIONS  
QUICK REFERENCE FOR COASTAL PLAIN REGION**

**SEED**

LAND USE	SPECIES	APPLICATION RATES
MINIMUM CARE LAWN (COMMERCIAL OR RESIDENTIAL)	TALL FESCUE OR BERMUDAGRASS	175-200 LBS/ACRE  75 LBS/ACRE
	TALL FESCUE BERMUDAGRASS RED TOP GRASS OR CREEPING RED FESCUE SEASONAL NURSE CROP	128 LBS 2 LBS 20 LBS 150 LBS TOTAL

**FERTILIZER AND LIME**

- APPLY 10-10-10 FERTILIZER AT A RATE OF 500 LBS/ACRE (OR 10LBS/1000 S.F.)
- APPLY PULVERIZED AGRICULTURAL LIMESTONE AT A RATE OF 2 TONS/ACRE (OR 90 LBS/1000 S.F.)

NOTE:  
- A SOIL TEST IS NECESSARY TO DETERMINE THE ACTUAL AMOUNT OF LIME REQUIRED TO ADJUST THE SOIL pH OF SITE.  
- INCORPORATE THE LIME AND FERTILIZER INTO THE 4-6 INCHES OF THE SOIL BY DISKING OR BY OTHER MEANS.

**SEEDING SPECIFICATIONS**

N.T.S.