



The Town of Hilton Head Island Regular Design Review Board Meeting

Tuesday, September 13, 2011
1:15 p.m. – Benjamin M. Racusin Council Chambers

UPDATED AGENDA

As a Courtesy to Others Please Turn Off All Cell Phones and Pagers during the Meeting.

1. **Call to Order**
2. **Roll Call**
3. **Freedom of Information Act Compliance**
Public notification of this meeting has been published, posted, and mailed in compliance with the Freedom of Information Act and the Town of Hilton Head Island requirements
4. **Approval of Agenda**
5. **Approval of Minutes –**
 - A) Meeting of August 23, 2011
6. **Staff Report**
7. **Board Business**
8. **Unfinished Business**
 - A) DR110022- Cell Tower-1005 Marshland Road- New Development
 - B) DR110033- The Lodge- Minor External Change
9. **New Business**
10. **Appearance by Citizens**
11. **Adjournment**

Please note that a quorum of Town Council may result if four (4) or more of Town Council members attend this meeting.

The Town of Hilton Head Island
Design Review Board
Minutes of the Tuesday, August 23, 2011 Meeting **DRAFT**
1:15pm – Benjamin M. Racusin Council Chambers

Board Members Present: Chairman Todd Theodore, Vice Chairman Scott Sodemann,
Tom Parker, Jennifer Moffett, Galen Smith and Deborah Welch

Board Members Absent: None

Council Members Present: Bill Ferguson

Town Staff Present: Mike Roan, Urban Design Administrator
Nicole Dixon, Senior Planner
Richard Spruce, Plans Review Administrator
Kathleen Carlin, Administrative Assistant

1. CALL TO ORDER

Chairman Todd Theodore called the meeting to order at 1:15pm.

2. ROLL CALL

3. FREEDOM OF INFORMATION ACT COMPLIANCE

4. APPROVAL OF THE AGENDA

The agenda was **approved** as presented by general consent.

5. APPROVAL OF THE MINUTES

The July 26th meeting minutes and the August 9th meeting minutes were both **approved** as presented by general consent.

6. STAFF REPORT

None

7. BOARD BUSINESS

None

8. UNFINISHED BUSINESS

None

9. NEW BUSINESS

Bank of America Walk Up ATM (Shelter Cove Plaza) - Alteration/ Addition DR110030

Mr. Roan introduced the application and stated its location, 32 Shelter Cove Lane, Shelter Cove Plaza. Bank of America, in cooperation with the owner of the Shelter Cove retail center, is proposing to add a free standing, walk-up style ATM Kiosk. The ATM will be placed within an existing parking island with minor reconfiguration of a few adjacent parking spaces. The kiosk will

not disturb existing trees, and displaced groundcover and shrubs will be replaced. Additional landscaping will be added as required. The proposed color of the stucco walls is earth tone. The proposed roof is a brushed metal canopy. A lighted sign in 'Bank of America's signature red wraps the kiosk and simple down lighting is recessed in the canopy overhang. Two light poles of a bronze color (to match the existing center's light poles) are proposed to be added on either side of the kiosk for secure night-time light levels.

Mr. Roan presented an in-depth overhead review of the application. The staff recommended that the color of the stucco match that of the adjacent shopping center. A color for the bollards was not proposed; however, the staff recommended that they remain bronze, as rendered. The staff further recommended that the roof canopy have a bronze finish rather than the brushed metal. The additional light posts will need to meet the Town's lighting ordinance. If the additional light posts are approved, the posts should match that of the adjacent fixture. The 'Bank of America' shade of red is normally considered too vivid. Perhaps a deeper shade of red would be more appropriate. Use of the red in the logo is limited and generally acceptable.

A landscape plan was not included in the application. A palette consisting of Parsons Juniper and Indian Hawthorne in equal quantities as those being removed would be acceptable. The exact layout can be approved at the permitting level. The applicant for this project was not available at the meeting for comments or questions from the Board.

The Board discussed the application with the staff. The Board reviewed the cut sheets and discussed the lighting details and the post details. The Board stated that all light sources should be the same source (or complementary source). The Board agreed that the canopy should have a bronze finish instead of a brushed metal finish. The Board stated that the neon red color should be toned down somewhat. Following final comments, Chairman Theodore requested that a motion be made.

Mr. Sodemann made a **motion** to **approve** the Bank of America Walk-Up ATM application as presented by the staff with the following conditions included: (1) the stucco walls shall be painted to match the adjacent buildings; (2) the bollards and the metal roof shall be a bronze color; (3) the red background on the 'Bank of America' sign and the ATM machine itself shall be toned down somewhat; (4) the landscaping shall be replaced as described in the DRB comment sheet; (5) the lighting source shall match the existing light sources. The staff shall approve the lighting condition. Mr. Parker **seconded** the motion and the motion **passed** with a vote of 6-0-0.

Circle K Redevelopment (WHP) - New Development- Conceptual DR110032

Mr. Roan introduced the application and stated its location, 825 William Hilton Parkway. Circle K Stores, Inc. owns and operates this gas station and convenience store. The property was initially developed as a convenience store in 1977 with basic remodeling, repaving and a gas service canopy added in 2001. The site is cramped, difficult to get out of, and in great need of improvement in both vehicular circulation and parking.

The applicant is proposing to purchase and demolish the adjacent carwash site and expand their operations onto the site. The proposed renovations include the removal of the existing carwash, reconfiguring the paving to accommodate the service station program, decreasing the impervious area by 1,459 square feet, increasing the open space by 11%, adding a second fueling canopy with four fueling stations (to match the size and architectural style of the existing canopy), and improving vehicular circulation for their customers and service trucks.

Mr. Roan presented an in-depth overhead review of the application. One component for the Rezoning is a "Conceptual Landscape-Buffer Review", which is an element of the Conceptual

review. Mr. Roan discussed the proposed removal of several significant trees at the street-front area, including two large pine trees, and a 28” live oak tree. In establishing and reinforcing the buffer for this new project, some additional trees, of the same nature as the over-story trees proposed in the vicinity of William Hilton Parkway, might be appropriate. Any additional understory planting at the rear where the removal of pavement is proposed would be a better alternative to mulch, where feasible. It would also be beneficial to know what the pervious parking material might be. Mr. Roan stated that a full plant schedule will be needed for review and Final approval. This completed the staff’s presentation.

Mr. Roan stated, for the record, that the Circle K Redevelopment - New Development Conceptual submission is a model application. Mr. Roan complimented the quality of the submission. Following these comments, Chairman Theodore requested that the applicant(s) make their presentation to the Board.

Mr. Truitt Rabun, Land Planner, and Mr. Josh Liebermann, business owner, presented statements in support of the application. The Board and the applicants discussed the circulation of the area, the number of curb cuts, and the proposed removal of trees. The Board and the applicant discussed the type of pervious parking material. The Board recommended that a Plantation Mix be used for the pervious parking. The Board complimented the intent of the project; the proposed improvements, particularly in traffic circulation. The improvements are a win-win for everyone. The Board stated some concern with the removal of the 28” live oak tree. Following final comments, Chairman Theodore requested that a motion be made.

Mr. Parker made a **motion to approve** the Circle K Redevelopment **Conceptual** application as submitted with the staff’s comments and the following conditions included: (1) the pervious material shall be a Plantation Mix as discussed; (2) the overstory trees shall be studied and presented at the Final application. Ms. Welch **seconded** the motion and the motion **passed** with a vote of 5-0-0.

The Lodge – Entry Improvement - Minor-External Change DR110033

Mr. Roan introduced the application and stated its location on Greenwood Drive, inside the Courtyard at Reilley’s Plaza. The applicant would like to install a retractable overhead door system to bring more natural daylight into the front dining room and to make the business more accessible to the central Courtyard area.

Mr. Roan presented an in-depth review of the application including the existing site features. The building is metal building on all four sides. The overhead door system is proposed to be stained to match the adjacent wood siding. The applicant would like to keep the sign rock in place as well as the stacked stone. Mr. Roan stated that the stacked stone is unapproved.

While the idea of a retractable door for this building is a good one, the staff recommended that the materials be consolidated somewhat because there appears to be too much going at this time. A more blended appearance would be recommended. Following the staff’s presentation, Chairman Theodore requested that the applicant make his presentation.

Applicant, Mr. Don Baker, Square Feet Island Architects, presented statements in support of the application. The Board and the applicant discussed the application. The Board agreed with the staff that the concept of the retractable door system is a good one; however, more consideration needs to be given to the aesthetics. The Board agreed with the idea of a more simplified color scheme and a more blended appearance. This is a good opportunity for the applicant to improve the façade and entry area and to pull it together in a more cohesive and creative way.

At the completion of the discussion, the applicant thanked the Board for their recommendations. The applicant chose to **withdraw** the application for needed design revisions. The applicant will resubmit the application at a later date.

Beach City Road Roundabout – DR110034

Mr. Roan stated that transportation projects do not generally appear before the DRB. However, this project is a bit unique, and the staff would like to receive the Board’s thoughts.

The Town recently finished the new pathway at Mathews Drive, North; and inclusive to that project is a round-a-bout at the intersection of Beach City Road and Mathews Drive. Landscaping for this project is currently underway. The landscaping meets the character, quantities, and standards of the landscaping already in place on the South side of Mathews Drive.

The Beach City Road and Mathews Drive round-a-bout is located in the County-owned right of way. The project manager (and Town Engineer) spoke to Mr. Roan recently with regard to the placement of an architectural element in the middle of the round-a-bout. The County is generally more receptive to allowing this in the right-of-way.

Rather than the addition of a 2-foot retaining wall in the middle of the round-a-bout, the staff thought that this would be a good opportunity to design a suitable entrance ‘gateway statement’ from the Hilton Head Airport.

Mr. Roan presented an overhead review of the round-a-bout including the locations of Mathews Drive and Beach City Road. The staff wanted to honor something that is already working (Sea Pines Circle), in designing the architectural element. Mr. Roan described the proposed elevations which are different broken up by columns, the highest being a three-foot high wall along the front which will ultimately become the signage element (Hilton Head Island), stepping down to two-feet between the columns, and then ultimately stepping down to one-foot, with 18” wing walls. The materials are Old Carolina Brick, Savannah grey finish, with standard 29” pyramid 9-piece brick cap. The brick veneer is on all walls except for the front where there will be an oyster shell stucco finish which will be the backing for the signage. The County Department of Transportation (DOT) has approved the project. The Board and the staff discussed the landscaping plan. A total of 55 trees will be installed around the area. The proposed project was well received by the Board.

10. ADJOURNMENT

The meeting was adjourned at 2:15pm.

Submitted By:

Approved By:

Kathleen Carlin
Administrative Assistant

Todd Theodore
Chairman

| | | |
|-----------|--|------------|
| APPROVALS |  | |
| | SIGNATURE _____ | DATE _____ |
| | AMERICAN TOWER | |
| | SIGNATURE _____ | DATE _____ |

PROJECT NAME:

HHI 16

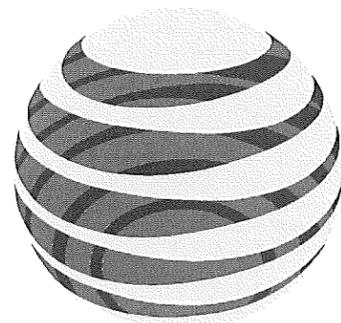
PROPOSED 140 FT. MONOPOLE TOWER AMERICAN TOWER SITE

PREPARED FOR:

AMERICAN TOWER CORPORATION

900 CIRCLE 75 PARKWAY
SUITE 300
ATLANTA, GA 30339

CARRIER:



at&t

SITE #: 410-415

PREPARED BY:



30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

PROJECT INFORMATION

SITE ADDRESS: 1003 MARSHLAND ROAD
HILTON HEAD ISLAND, SC 29926

PARCEL ID: R-510-011-000-0276-0000

LAND OWNER: TOWN OF HILTON HEAD, SC
ONE TOWN CENTER COURT
HILTON HEAD ISLAND, SC 29928

DEVELOPER: AMERICAN TOWER
900 CIRCLE 75 PKWY, SUITE 300
ATLANTA, GA 30339
ANDRELLA SLAUGHTER, 678-265-6768

APPLICANT: TELECOM DEVELOPMENT SERVICES
309 E. PACES FERRY ROAD, NE
SUITE 517
ATLANTA, GA 30305
JAY SANDERS, 404-934-5468

ENGINEER: P MARSHALL & ASSOCIATES
30 MANSELL CT, SUITE 103
ROSWELL, GA 30076
PATRICK MARSHALL, P.E.
678-280-2325

LATITUDE: 32° 11' 28.0" (NAD 83)
LONGITUDE: 80° 45' 48.2" (NAD 83)

ELEVATION: 16' AMSL (NAVD 88)

ZONING CLASSIFICATION: PD-1
PERMIT JURISDICTION: TOWN OF HILTON HEAD

POWER COMPANY: PALMETTO ELECTRIC COOPERATIVE
843-681-5551

TELEPHONE COMPANY: AT&T

DRAWING INDEX

- | | |
|------|--|
| T-1 | TITLE SHEET & PROJECT INFORMATION |
| - | SURVEY |
| C-1 | GENERAL NOTES |
| C-2 | OVERALL SITE PLAN |
| C-3 | DETAILED SITE PLAN |
| C-4 | TOWER ELEVATION & DETAILS |
| C-5 | GRADING & EROSION CONTROL PLAN |
| C-6 | GRADING & EROSION CONTROL DETAILS |
| C-7 | GRADING & EROSION CONTROL SPECIFICATIONS |
| C-8 | EQUIPMENT FOUNDATION DETAILS & NOTES |
| C-9 | EQUIPMENT LAYOUT |
| C-10 | ICE BRIDGE DETAILS |
| C-11 | SITE SIGNAGE |
| C-12 | FENCE DETAILS |
| L-1 | LANDSCAPE PLAN |
| E-1 | ELECTRICAL SPECS & ONE-LINE DIAGRAM |
| E-2 | ELECTRICAL SITE PLAN |
| E-3 | GROUNDING SITE PLAN |
| E-4 | GROUNDING DETAILS |
| E-5 | UTILITY FRAME DETAILS |
| E-6 | COLOR CODE TEMPLATE & RFDS |



30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

AMERICAN TOWER CORPORATION
900 CIRCLE 75 PARKWAY
SUITE 300
ATLANTA, GA 30339

| NUM | DATE | DESCRIPTION |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/27/11 | GENERAL REVISIONS |
| 4 | 08/14/11 | REVISED TOWER TYPE |

HHI 16

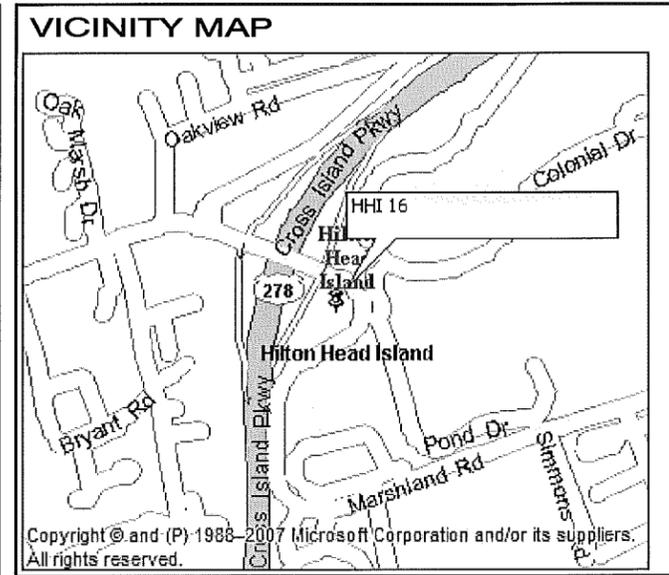
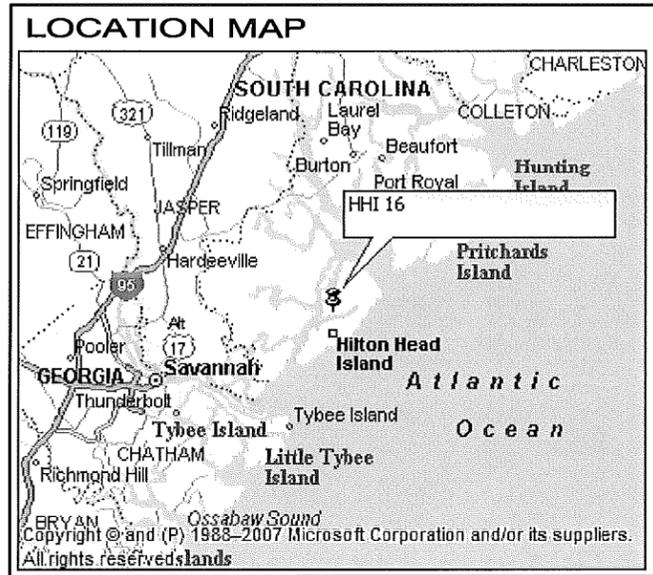
TITLE SHEET & PROJECT INFORMATION

SITE NAME: _____

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125

T-1



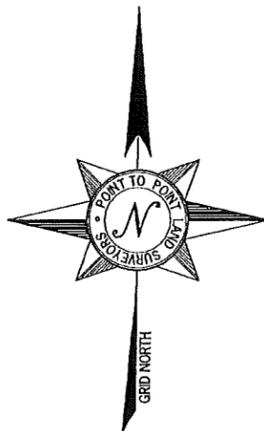
DRIVE DIRECTIONS

FROM ALPHARETTA:
TAKE GA-400 SOUTH TO I-85 S. TAKE I-85 SOUTH AND CONTINUE ON TO I-75 S. TAKE I-75 S TO EXIT 165 FOR I-16 EAST. TAKE I-16 FOR 156.8 MILES TO EXIT 157B, TAKE EXIT AND TAKE RAMP RIGHT ONTO I-95. CONTINUE ON FOR 21.5 MILES TO EXIT 8, US-278. AT EXIT BEAR RIGHT ONTO US-278 AND CONTINUE ON AS ROAD BECOMES THE BROSS ISLAND PARKWAY. TAKE TO MARSHLAND ROAD AND TURN LEFT. SITE IS 0.3 MILES AHEAD ON THE RIGHT.



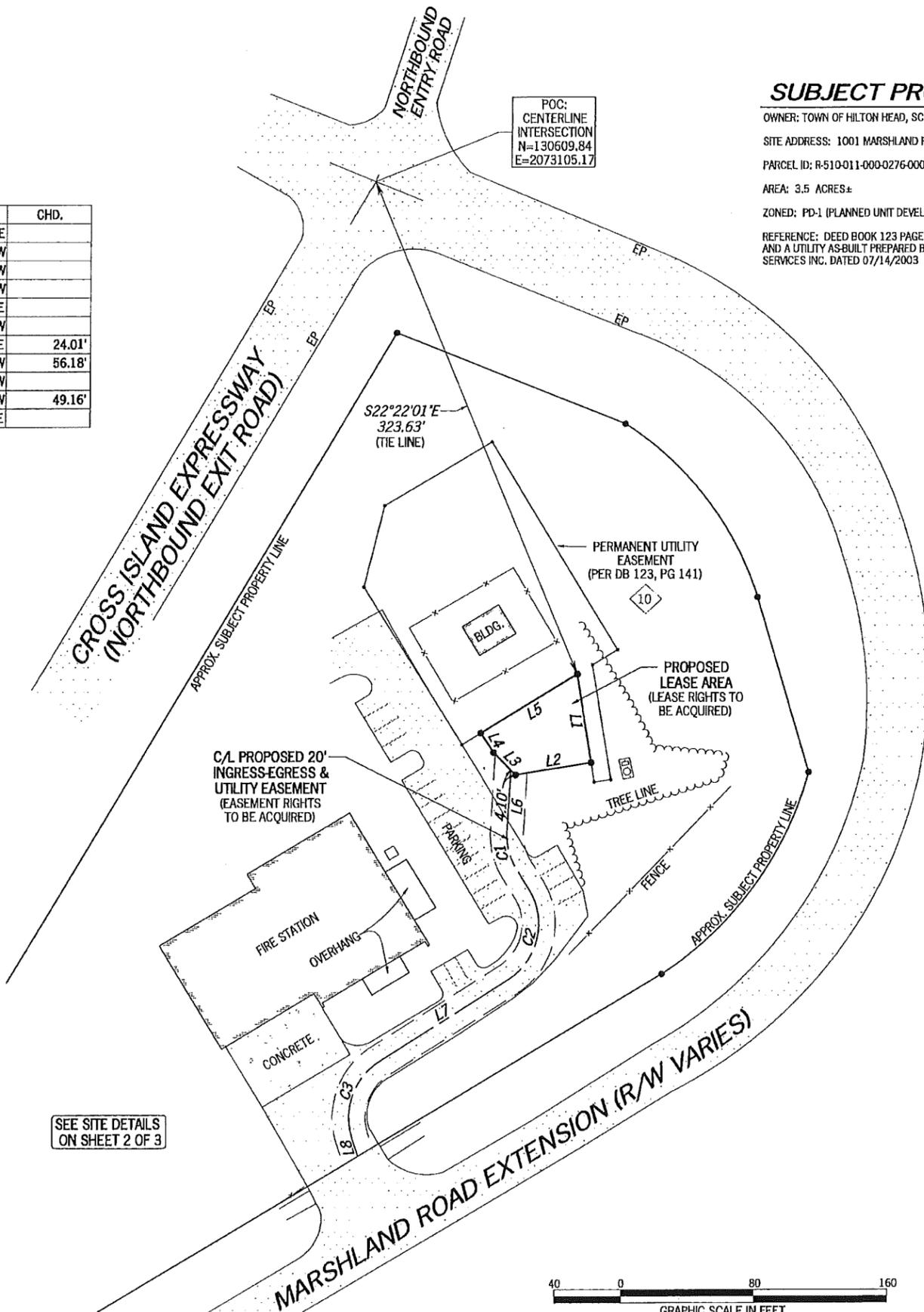
LINE/CURVE TABLE

| LINE | ARC | RADIUS | CHD. BRG. | CHD. |
|------|--------|--------|-------------|--------|
| L1 | 54.59' | | S09°00'46"E | |
| L2 | 46.18' | | S80°52'17"W | |
| L3 | 19.04' | | N44°23'01"W | |
| L4 | 14.12' | | N33°31'23"W | |
| L5 | 68.33' | | N58°20'09"E | |
| L6 | 37.55' | | S03°09'40"W | |
| C1 | 24.38' | 40.00' | S14°18'10"E | 24.01' |
| C2 | 62.29' | 40.00' | S12°50'32"W | 56.18' |
| L7 | 91.37' | | S57°27'05"W | |
| C3 | 52.94' | 40.00' | S19°32'10"W | 49.16' |
| L8 | 11.41' | | S18°22'45"E | |



- LEGEND**
- POB POINT OF BEGINNING
 - POC POINT OF COMMENCEMENT
 - IPS IRON PIN SET
 - IPF IRON PIN FOUND
 - CMF CONCRETE MONUMENT FOUND
 - UP UTILITY POLE
 - LP LIGHT POLE
 - FP FLAG POLE
 - SSMH SANITARY SEWER MANHOLE
 - SDMH STORM DRAIN MANHOLE
 - INV INVERT
 - FH FIRE HYDRANT
 - EP EDGE OF PAVEMENT
 - TC TOP OF CURB
 - BC BACK OF CURB
 - TW TOP OF WALL
 - BW BOTTOM OF WALL
 - OU OVERHEAD UTILITY
 - UE UNDERGROUND UTILITY
 - CMP CORRUGATED METAL PIPE
 - ICP REINFORCED CONCRETE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - GW GUY WIRE ANCHOR
 - TR TRANSFORMER
 - JB JUNCTION BOX
 - SWCB SINGLE WING CATCH BASIN
 - DWCB DOUBLE WING CATCH BASIN
 - CLF CHAIN LINK FENCE
 - WV WATER VALVE
 - WM WATER METER
 - CO SEWER CLEAN-OUT
 - GV GAS VALVE
 - NVF NOW OR FORMERLY
 - IB ICE BRIDGE
 - IRP ICE BRIDGE POLE

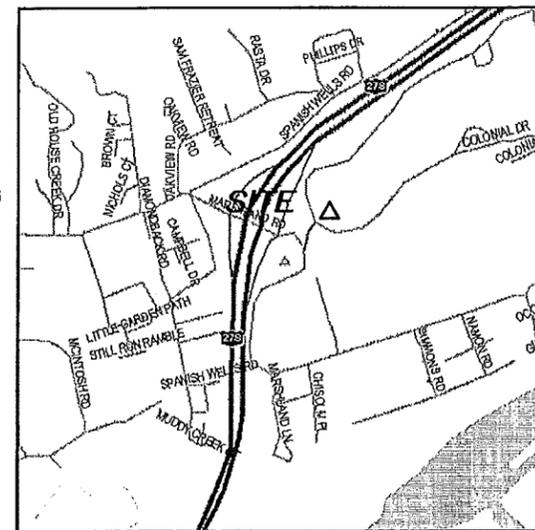
SEE SITE DETAILS ON SHEET 2 OF 3



POC:
CENTERLINE
INTERSECTION
N=130609.84
E=2073105.17

SUBJECT PROPERTY

OWNER: TOWN OF HILTON HEAD, SC
 SITE ADDRESS: 1001 MARSHLAND ROAD, HILTON HEAD ISLAND, SC 29926
 PARCEL ID: R-510-011-000-0276-0000
 AREA: 3.5 ACRES±
 ZONED: PD-1 (PLANNED UNIT DEVELOPMENT)
 REFERENCE: DEED BOOK 123 PAGE 141
 AND A UTILITY AS-BUILT PREPARED BY SURVEYING SERVICES INC. DATED 07/14/2003



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

THIS EASEMENT SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF AMERICAN TOWER CORPORATION AND EXCLUSIVELY FOR THE TRANSFERRAL OF THE LEASEHOLD AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE FEE SIMPLE TRANSFERRAL OF THE SUBJECT PROPERTY NOR ANY PORTION OR PORTIONS THEREOF. NO BOUNDARY SURVEY WAS PERFORMED.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TCRA 1103 ROBOTIC

THE FIELD DATA UPON WHICH THIS EASEMENT SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 20,000+ FEET AND AN ANGULAR ERROR OF 5.0" PER ANGLE POINT AND WAS ADJUSTED USING LEAST SQUARES.

THE PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE TO WITHIN ONE FOOT IN 100,000+ FEET.

THE 2' CONTOURS SHOWN ON THIS EASEMENT SURVEY ARE ADJUSTED TO NAVD 88 DATUM AND HAVE A VERTICAL ACCURACY OF ± 1'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS EASEMENT SURVEY ARE BASED ON GRID NORTH (NAD 83).

THIS PROPERTY IS LOCATED IN A SPECIAL FLOOD AREA (FLOOD ZONE "A-7" - BASE FLOOD ELEVATION=14.0') AS PER F.J.R.M. COMMUNITY PANEL NO. 45025000070 DATED 09-29-1986.

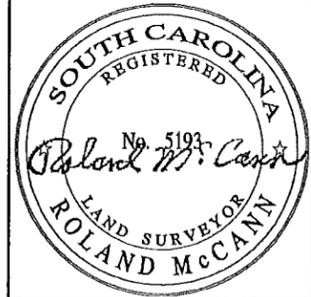
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.



SURVEYOR CERTIFICATION

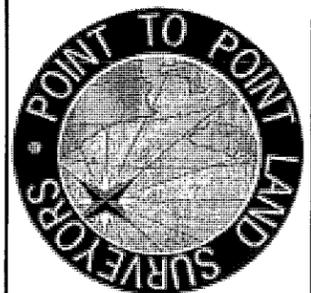
I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY SPECIFIED THEREIN.

THIS SURVEY IS NOT FOR RECORDATION PURPOSES.



| NO. | DATE | REVISION |
|-----|------------|-------------------|
| 1 | 04/06/2011 | UPDATED TREES |
| 2 | 04/13/2011 | ADDED TITLE - CLC |

EASEMENT SURVEY PREPARED BY:
POINT TO POINT LAND SURVEYORS
 810 Jackson Street
 Locust Grove, Georgia 30248
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com

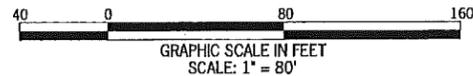


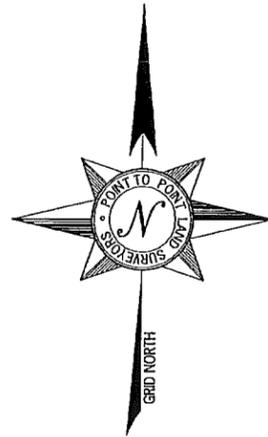
EASEMENT SURVEY PREPARED FOR:



"HHI 16"
 SITE NO.
 410-415
 HILTON HEAD ISLAND
 BEAUFORT COUNTY
 SOUTH CAROLINA

| | |
|-----------------------|----------|
| DRAWN BY: NRW | SHEET: |
| CHECKED BY: MW | 1 |
| APPROVED: C. INER | OF 3 |
| DATE: 5 OCTOBER, 2010 | |
| P2P JOB #: 2010.380 | |



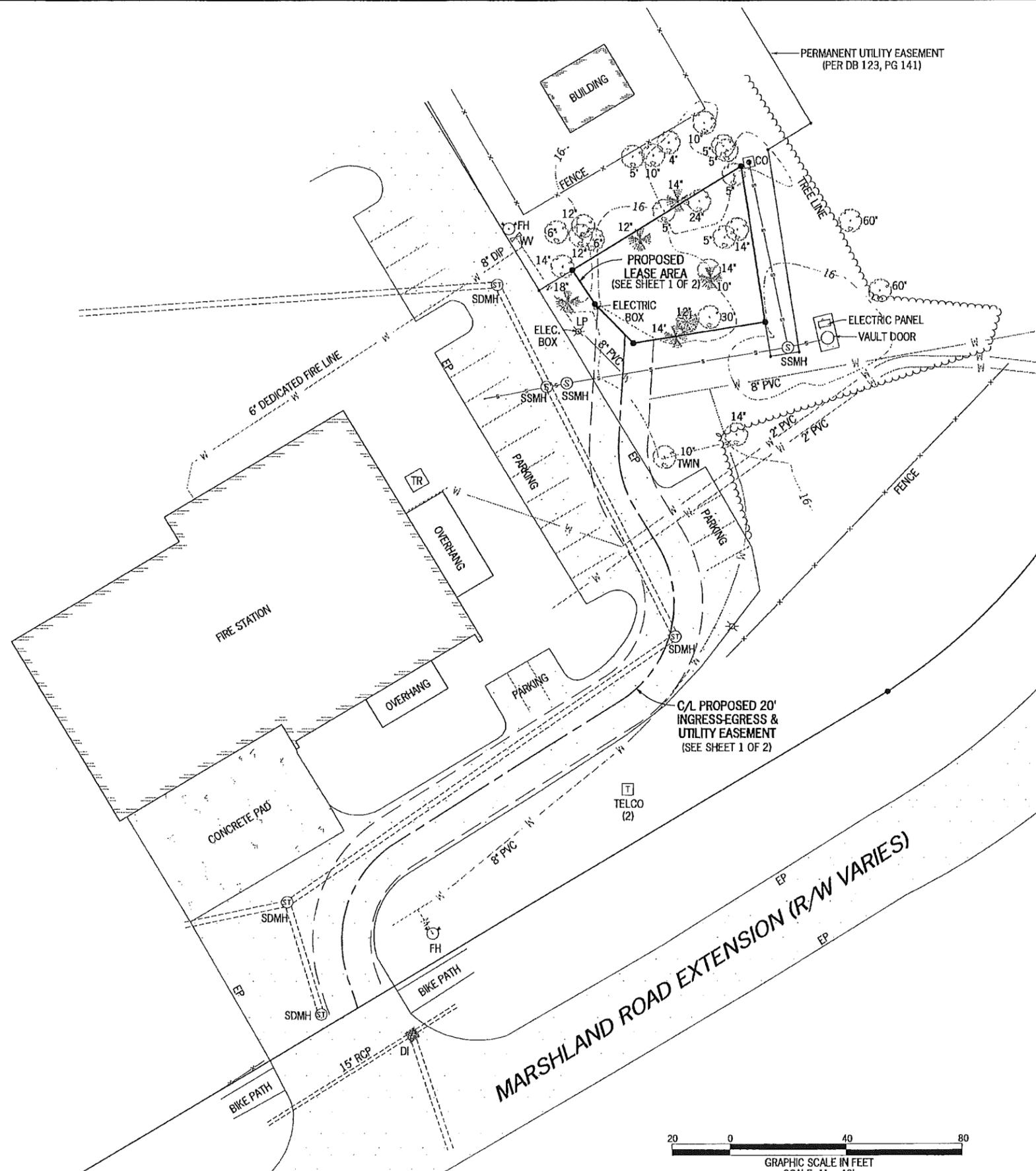


SITE INFORMATION

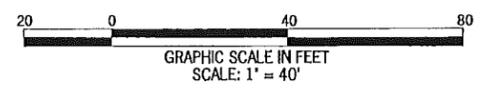
PROPOSED LEASE AREA = 2,403 SQUARE FEET (0.0552 ACRES)

LATITUDE = 32°11'28.0" (NAD 83)
 AT CENTER OF PROPOSED LEASE AREA
 LONGITUDE = 80°45'48.2" (NAD 83)

ELEVATION AT CENTER OF PROPOSED LEASE AREA = 16' A.M.S.L.



- LEGEND**
- POB POINT OF BEGINNING
 - POC POINT OF COMMENCEMENT
 - IPS IRON PIN SET
 - IPF IRON PIN FOUND
 - CMF CONCRETE MONUMENT FOUND
 - UP UTILITY POLE
 - LP LIGHT POLE
 - FP FLAG POLE
 - SSMH SANITARY SEWER MANHOLE
 - SDMH STORM DRAIN MANHOLE
 - INVERT
 - FH FIRE HYDRANT
 - EP EDGE OF PAVEMENT
 - TC TOP OF CURB
 - BC BACK OF CURB
 - TW TOP OF WALL
 - BW BOTTOM OF WALL
 - OJ OVERHEAD UTILITY
 - UE UNDERGROUND UTILITY
 - CMP CORRUGATED METAL PIPE
 - RCP REINFORCED CONCRETE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - GW GUY WIRE ANCHOR
 - TR TRANSFORMER
 - JB JUNCTION BOX
 - SWCB SINGLE WING CATCH BASIN
 - DWCB DOUBLE WING CATCH BASIN
 - CLF CHAIN LINK FENCE
 - WV WATER VALVE
 - WM WATER METER
 - CO SEWER CLEAN-OUT
 - GV GAS VALVE
 - NVF NOW OR FORMERLY
 - IB ICE BRIDGE
 - IBP ICE BRIDGE POLE



| NO. | DATE | REVISION |
|-----|------------|-------------------|
| 1 | 04/06/2011 | UPDATED TREES |
| 2 | 04/13/2011 | ADDED TITLE - CLC |

EASEMENT SURVEY PREPARED BY:
POINT TO POINT LAND SURVEYORS
 810 Jackson Street
 Locust Grove, Georgia 30248
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com



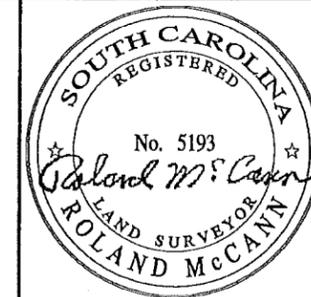
EASEMENT SURVEY PREPARED FOR:
AMERICAN TOWER CORPORATION

"HHI 16"
SITE NO. 410-415
 HILTON HEAD ISLAND
 BEAUFORT COUNTY
 SOUTH CAROLINA

DRAWN BY: NRW
 CHECKED BY: MW
 APPROVED: C. INER
 DATE: 5 OCTOBER, 2010
 P2P JOB #: 2010.380

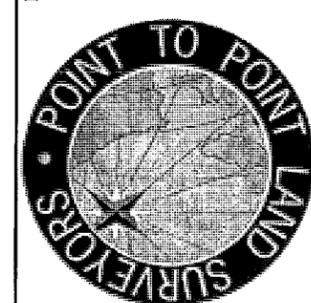
SHEET:
2
 OF 3

LEGAL DESCRIPTION SHEET



| NO. | DATE | REVISION |
|-----|------------|-------------------|
| 1 | 04/06/2011 | UPDATED TREES |
| 2 | 04/13/2011 | ADDED TITLE - CLC |

**POINT TO POINT
LAND SURVEYORS**
810 Jackson Street
Locust Grove, Georgia 30248
(p) 678.565.4440 (f) 678.565.4497
(w) pointtopointsurvey.com



EASEMENT SURVEY PREPARED FOR:

**AMERICAN TOWER
CORPORATION**

"HHI 16"
**SITE NO.
410-415**
HILTON HEAD ISLAND
BEAUFORT COUNTY
SOUTH CAROLINA

| | |
|-----------------------|----------|
| DRAWN BY: NRW | SHEET: |
| CHECKED BY: MW | 3 |
| APPROVED: C. INER | |
| DATE: 5 OCTOBER, 2010 | |
| P2P JOB #: 2010.380 | OF 3 |

TITLE EXCEPTIONS

- OLD REPUBLIC NATIONAL TITLE INSURANCE CO.
SCHEDULE B - SECTION 2
COMMITMENT NUMBER 01-11128602-01T
EFFECTIVE DATE: MARCH 18, 2011
6. EASEMENT TO PALMETTO ELECTRIC COOPERATIVE, INC.,
RECORDED 3/28/1961 IN DEED BOOK 81, PAGE 175 TO
BEAUFORT COUNTY RECORDS. (THIS ITEM MAY AFFECT THE
SUBJECT PROPERTY, BUT ITS DESCRIPTION IS TOO VAGUE TO BE
PLOTTED)
7. EASEMENT TO CENTRAL ELECTRIC POWER COOPERATIVE,
INC., DATED 8/12/1971, RECORDED 9/8/1971 AS BOOK 189
PAGE 261 OF BEAUFORT COUNTY RECORDS. (THIS ITEM MAY
AFFECT THE SUBJECT PROPERTY, BUT ITS DESCRIPTION IS TOO
VAGUE TO BE PLOTTED)
8. DECLARATION OF COVENANTS, CONDITIONS AND
RESTRICTIONS, RECORDED 7/31/1985 AS BOOK 426 PAGE 488
OF BEAUFORT COUNTY RECORDS. (THIS ITEM MAY AFFECT THE
SUBJECT PROPERTY BUT DOES NOT CONTAIN A PLOTTABLE
DESCRIPTION) (ITEM REFERENCES 'EXHIBIT A' BUT DOCUMENT IS
NOT ATTACHED.)
9. DEVELOPMENT AGREEMENT BY AND BETWEEN HILTON HEAD
COMPANY, INC., AND THE HILTON HEAD ISLAND ASSOCIATION, A
SOUTH CAROLINA NON-PROFIT CORPORATION, RECORDED
1/23/1996 AS BOOK 439 PAGE 1881 OF BEAUFORT COUNTY
RECORDS. (THIS ITEM MAY AFFECT THE SUBJECT PROPERTY BUT
DOES NOT CONTAIN A PLOTTABLE DESCRIPTION)
10. SUBJECT TO COVENANTS, RESTRICTIONS, RESERVATIONS,
EASEMENTS, RIGHTS OF WAY AND BUILDING SETBACKS AS
SHOWN ON THE SURVEY FOR PERMANENT UTILITY EASEMENT ON
PROPERTY OF TOWN OF HILTON HEAD ISLAND, AS RECORDED IN
BOOK 123, PAGE(S) 141 OF BEAUFORT COUNTY RECORDS, (THIS
ITEM IS PLOTTED HEREON)
- NOTE: FOR FURTHER CONDITIONS, SEE RECORD. WE HAVE
MADE NO EXAMINATION UNDER THIS ITEM.
11. SUBJECT TO COVENANTS, RESTRICTIONS, RESERVATIONS,
EASEMENTS, RIGHTS OF WAY AND BUILDING SETBACKS AS
SHOWN ON THE PLAT FOR CROSS ISLAND EXPRESSWAY, AS
RECORDED IN PLAT BOOK 49, PAGE(S) 14 OF BEAUFORT COUNTY
RECORDS. (DOCUMENT IS NOT LEGIBLE)
- NOTE: FOR FURTHER CONDITIONS, SEE RECORD. WE HAVE
MADE NO EXAMINATION UNDER THIS ITEM.
12. SUBJECT TO COVENANTS, RESTRICTIONS, RESERVATIONS,
EASEMENTS, RIGHTS OF WAY AND BUILDING SETBACKS AS
SHOWN ON THE PLAT FOR CROSS ISLAND EXPRESSWAY, AS
RECORDED IN PLAT BOOK 1257, PAGE(S) 419 OF BEAUFORT
COUNTY RECORDS, (THIS ITEM AFFECTS THE SUBJECT
PROPERTY)
- NOTE: FOR FURTHER CONDITIONS, SEE RECORD. WE HAVE
MADE EXAMINATION UNDER THIS ITEM.
13. RESERVATIONS AS CONTAINED IN DEED, RECORDED
2/3/2000 AS BOOK 1257 PAGE 415 AND RE-RECORDED
9/19/200 AS BOOK 1327 PAGE 1761 OF BEAUFORT COUNTY
RECORDS. (THIS ITEM AFFECTS THE SUBJECT PROPERTY)

PROPOSED LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN THE HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT THE CENTERLINE INTERSECTION OF THE CROSS ISLAND EXPRESSWAY NORTHBOUND EXIT ROAD AND MARSHLAND ROAD EXTENSION, SAID POINT HAVING A SOUTH CAROLINA STATE PLANES COORDINATE VALUE OF N=130609.84, E=2073105.17; THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG A TIE LINE, SOUTH 22°22'01" EAST, 323.63 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, SOUTH 09°00'46" EAST, 54.59 FEET TO A POINT; THENCE, SOUTH 80°52'17" WEST, 46.18 FEET TO A POINT; THENCE, NORTH 44°23'01" WEST, 19.04 FEET TO A POINT; THENCE, NORTH 33°31'23" WEST, 14.12 FEET TO A POINT; THENCE, NORTH 58°20'09" EAST, 68.33 FEET TO A POINT AND THE TRUE POINT OF BEGINNING.

SAID TRACT CONTAINS 0.0552 ACRES (2,403 SQUARE FEET), MORE OR LESS.

PROPOSED 20' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A PROPOSED 20-FOOT WIDE INGRESS-EGRESS AND UTILITY EASEMENT LYING AND BEING IN THE HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA, BEING DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT THE CENTERLINE INTERSECTION OF THE CROSS ISLAND EXPRESSWAY NORTHBOUND EXIT ROAD AND MARSHLAND ROAD EXTENSION, SAID POINT HAVING A SOUTH CAROLINA STATE PLANES COORDINATE VALUE OF N=130609.84, E=2073105.17; THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG A TIE LINE, SOUTH 22°22'01" EAST, 323.63 FEET TO A POINT; THENCE, SOUTH 09°00'46" EAST, 54.59 FEET TO A POINT; THENCE, SOUTH 80°52'17" WEST, 46.18 FEET TO A POINT; THENCE, NORTH 44°23'01" WEST, 4.10 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, SOUTH 03°09'40" WEST, 37.55 FEET TO A POINT; THENCE, 24.38 FEET ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 40.00 FEET AND BEING SCRIBED BY A CHORD BEARING SOUTH 14°18'10" EAST, 24.01 FEET TO A POINT; THENCE, SOUTH 31°46'00" EAST, 14.20 FEET TO A POINT; THENCE, 62.29 FEET ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 40.00 FEET AND BEING SCRIBED BY A CHORD BEARING SOUTH 12°50'32" WEST, 56.18 FEET TO A POINT; THENCE, SOUTH 57°27'05" WEST, 91.37 FEET TO A POINT; THENCE, 52.94 FEET ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 40.00 FEET AND BEING SCRIBED BY A CHORD BEARING SOUTH 19°32'10" WEST, 49.16 FEET TO A POINT; THENCE, SOUTH 18°22'45" EAST, 11.41 FEET TO THE ENDING AT A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF MARSHLAND ROAD EXTENSION.



GENERAL NOTES:

1. THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
3. THE CONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
4. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
5. SITE GROUNDING SHALL COMPLY WITH AT&T MOBILITY ATLANTA GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T MOBILITY ATLANTA GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF THE TOWER.
6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
8. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AMPLE NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 24 HOURS OF NOTICE SHALL BE GIVEN AND THE BUILDING INSPECTION DEPARTMENTS HAVE REQUESTED THAT GROUPS OF TWO OR THREE SITES BE SCHEDULED AT ONE TIME IF POSSIBLE.
10. CONSTRUCTION MANAGER WILL CONFIRM FAA APPROVAL OF TOWER LOCATION BY ISSUING TOWER RELEASE FORM. NO TOWER SHALL BE CONSTRUCTED UNTIL THE TOWER RELEASE FORM IS ISSUED TO THE CONTRACTOR.
11. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS AND TOWER DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.
12. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
14. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO PROPERTY OUTSIDE THE LEASE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.
15. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
16. SEEDING AND MULCHING OF THE SITE SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
17. FOR ITEMS THAT SHALL BE PROVIDED BY THE OWNER & INSTALLED BY THE CONTRACTOR, SEE "OWNER SUPPLIED MATERIAL LIST" INSERTED IN THIS DRAWING PACKAGE.
18. PERMITS: OBTAIN AND PAY FOR REQUIRED PERMITS, LICENSES, FEES, INSPECTIONS, ETC.
19. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
20. REFER TO SITE CIVIL SPECIFICATIONS SECTION 13000 - REFERENCE STANDARDS
21. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED IN THIS DESIGN PACKAGE.

EXCAVATION & GRADING NOTES:

1. ALL CUT AND FILL SLOPES SHALL BE 3 : 1 MAXIMUM.
2. ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER. DRAINAGE FOR EXCESS GROUND WATER SHALL BE PROVIDED IF REQUIRED.
3. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
4. ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OF CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
5. AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACK FILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
6. BACK FILL SHALL BE:
 - APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND, GRAVEL, OR SOFT SHALE;
 - FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS;
 - IN LAYERS AND COMPACTED.
7. SITE FILL MATERIAL AND FOUNDATION BACK FILL SHALL BE PLACED IN LAYERS, MAXIMUM 6" DEEP BEFORE COMPACTION. EACH LAYER SHALL BE SPRINKLED IF REQUIRED AND COMPACTED BY HAND OPERATED OR MACHINE TAMPERS TO 95% OF MAXIMUM DENSITY, AT THE OPTIMUM MOISTURE CONTENT ±2% AS DETERMINED BY ASTM DESIGNATION D-648, UNLESS OTHERWISE APPROVED. SUCH BACK FILL SHALL NOT BE PLACED BEFORE 3 DAYS AFTER PLACEMENT OF CONCRETE.
8. THE FOUNDATION AREA SHALL BE GRADED TO PROVIDE WATER RUNOFF AND PREVENT WATER FROM STANDING. THE FINAL GRADE SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE FOUNDATION AND SHALL THEN BE COVERED WITH 4" DEEP COMPACTED STONE OR GRAVEL.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CITY, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STAW BALE SEDIMENT BARRIERS AND CHECK DAMS.
10. FILL PREPARATION: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. FLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
11. REPLACE THE EXISTING WEARING SURFACE ON AREAS WHICH HAVE BEEN DAMAGED OR REMOVED DURING CONSTRUCTION OPERATIONS. SURFACE SHALL BE REPLACE TO MATCH EXISTING ADJACENT SURFACING AND SHALL BE OF THE SAME THICKNESS. NEW SURFACE SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATERIAL, OF OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL RESURFACING MATERIAL AS REQUIRED. BEFORE SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. SURFACING SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE.
12. PROTECT EXISTING SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
13. DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED / REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
14. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
15. ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
16. RIPRAP SHALL BE CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY, AND FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCE.

LEGEND

- X — FENCE
- 550 — CONTOUR LINE
- - - - - PROPERTY LINE / ROW
- - - - - LEASE AREA
- - - - - EASEMENT
- DISCONNECT SWITCH
- Ⓜ METER
- Ⓢ CIRCUIT BREAKER
- Ⓧ CODED NOTE NUMBER
- Ⓡ CHEMICAL GROUND ROD
- Ⓡ GROUND ROD
- ⓇⓈ GROUND ROD WITH INSPECTION SLEEVE
- GADWELDED TYPE CONNECTION
- COMPRESSION TYPE CONNECTION
- G — GROUND WIRE



30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

AMERICAN TOWER CORPORATION

900 CIRCLE 15 PARKWAY
SUITE 300
ATLANTA, GA 30394

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/21/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/01/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16

GENERAL NOTES

SITE NAME

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TGD125

C-1

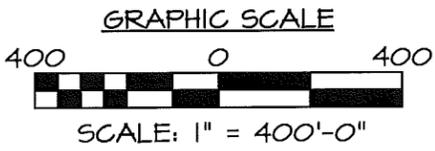
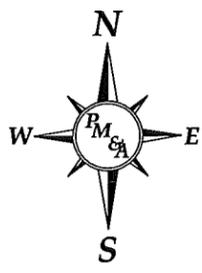
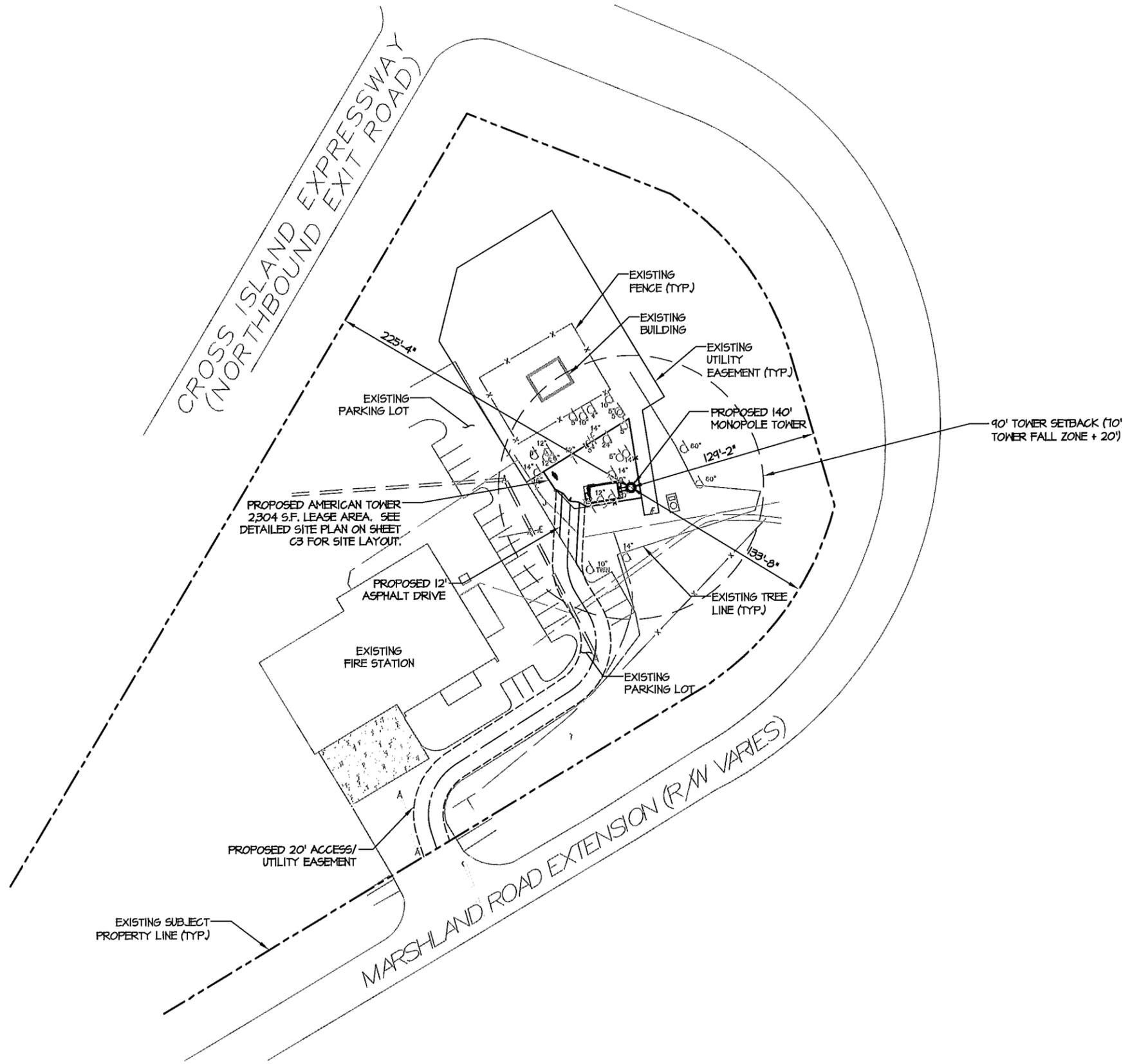


| NUM | DATE | DESCRIPTION |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/31/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16
OVERALL SITE PLAN

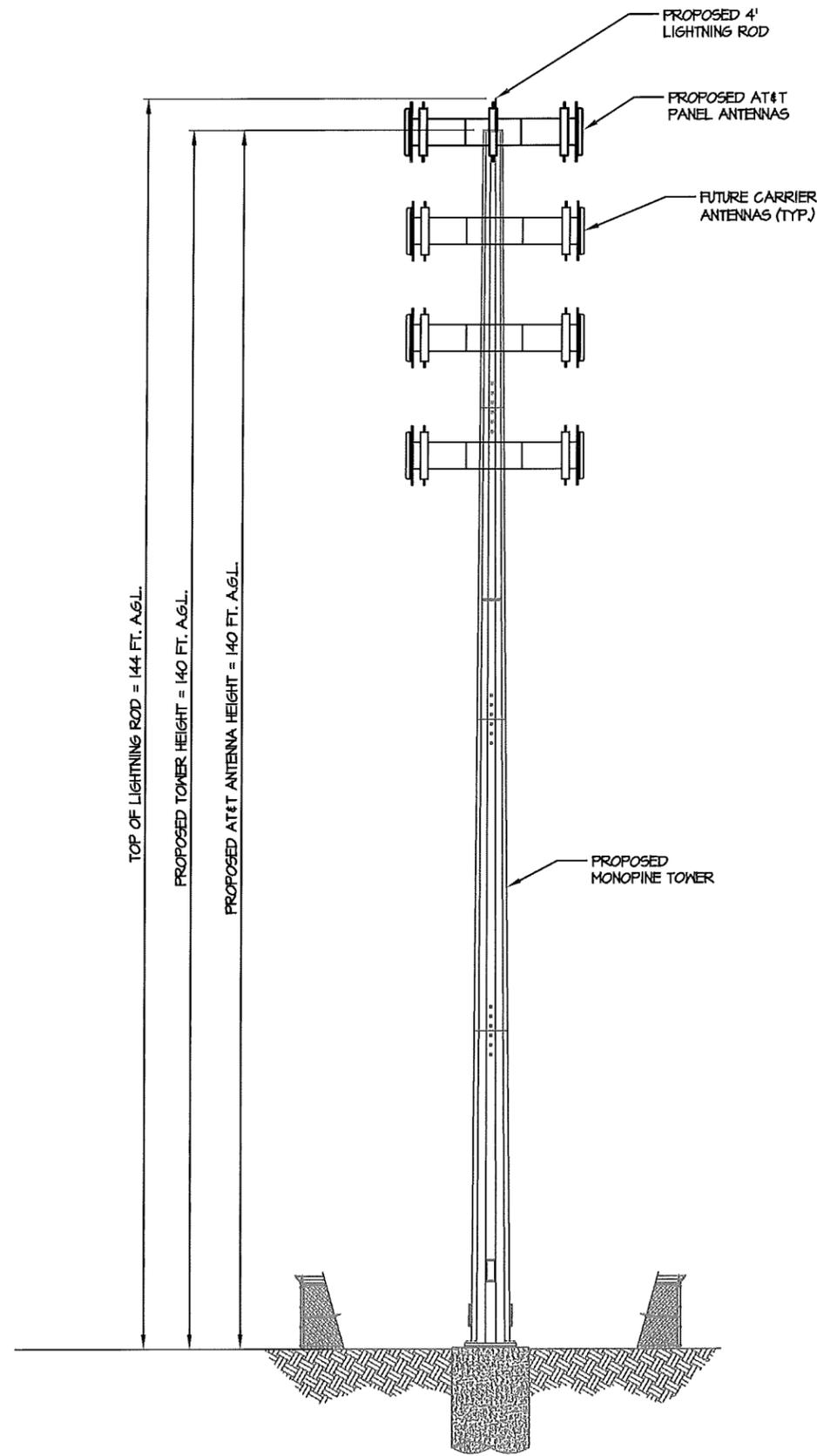
DESIGNED: JTG
 DRAWN: JTG
 CHECKED: PWM
 JOB #: TCD125

C-2

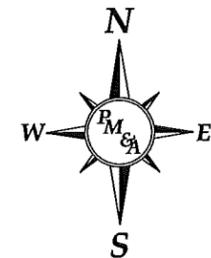
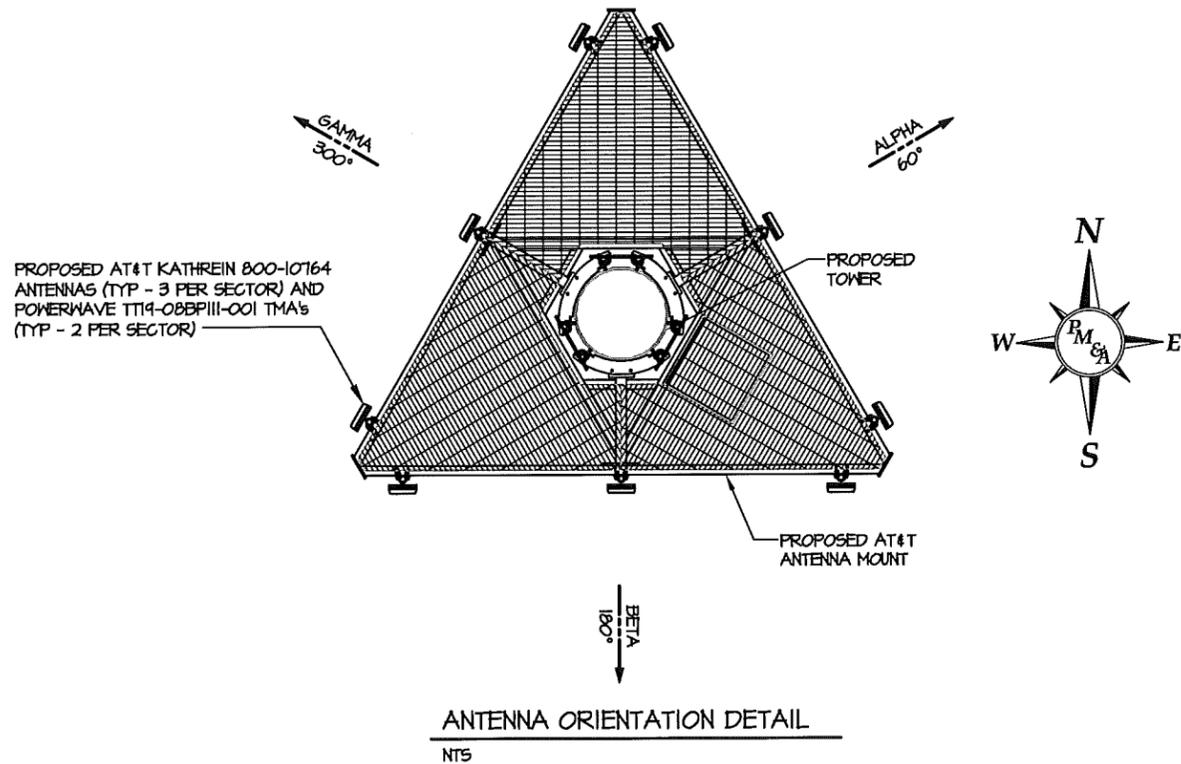


OVERALL SITE PLAN
 SCALE: 1" = 400'-0"





TOWER ELEVATION
NT5



| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/01/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

TOWER ELEVATION AND DETAILS

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

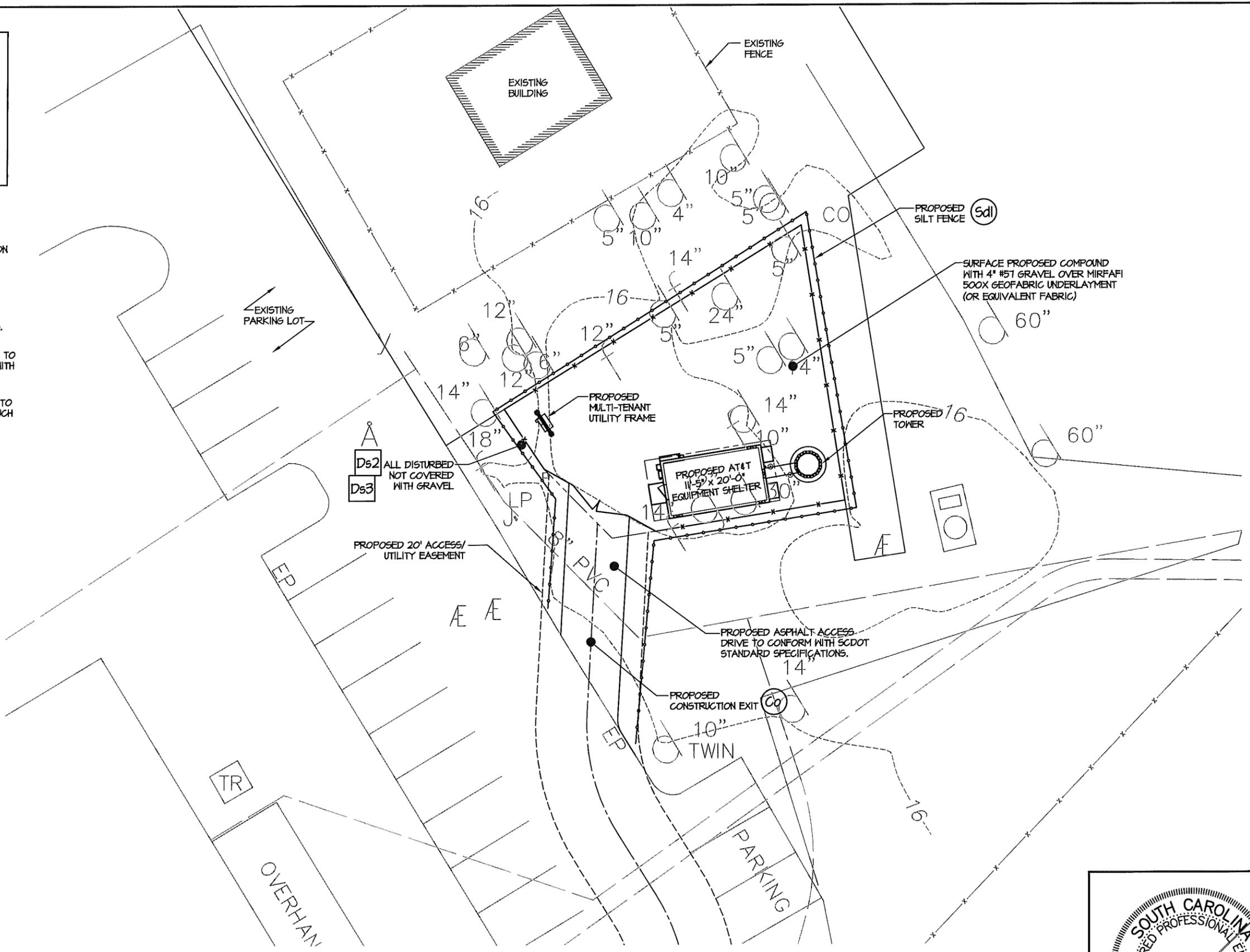
JOB #: TCD125

DISTURBED AREAS LEFT IDLE SHALL BE STABILIZED WITH TEMPORARY VEGETATION AFTER 14 DAYS; AFTER 30 DAYS PERMANENT VEGETATION SHALL BE ESTABLISHED

MAINTENANCE STATEMENT
EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN AND REPAIRED BY THE GENERAL CONTRACTOR

ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION

- Co** CONSTRUCTION EXIT - TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA ONTO PUBLIC RIGHT-OF-WAYS, STREETS, ALLEYS, SIDEWALKS, OR PARKING AREAS.
- Sdl** TYPE C SEDIMENT BARRIER - TO PREVENT ANY SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGE WAYS OR STORM DRAINAGE SYSTEMS.
- Ds2** DISTURBED AREA STABILIZATION (TEMPORARY) - TO ESTABLISH A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
- Ds3** DISTURBED AREA STABILIZATION (PERMANENT) - TO ESTABLISH A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
- Du** DISTURBED AREA DUST CONTROL - TO CONTROL THE SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.



PM&A
30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

AMERICAN TOWER CORPORATION
900 CIRCLE 75 PARKWAY
SUITE 300
ATLANTA, GA 30384

| NUM | DATE | DESCRIPTION |
|-----|----------|-------------------------|
| 0 | 11/21/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/01/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

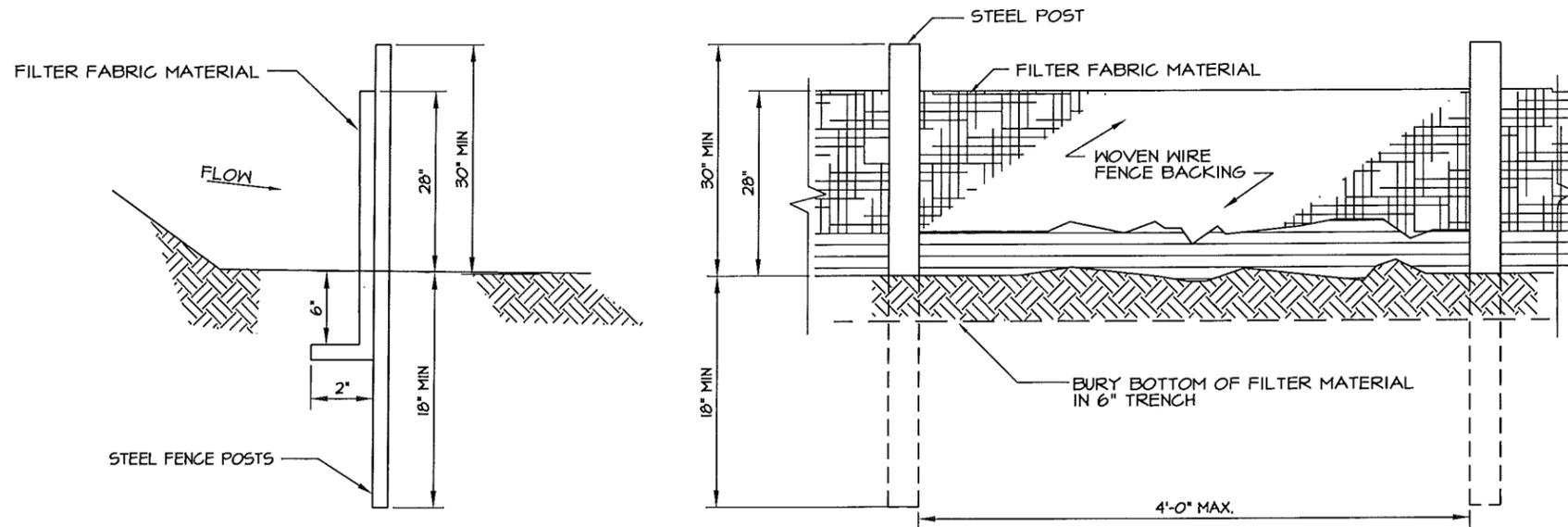
HHI 16
GRADING, SEDIMENT & EROSION CONTROL PLAN

DESIGNED: JTG
DRAWN: LTG
CHECKED: PAM

JOB #: TCD125
C-5

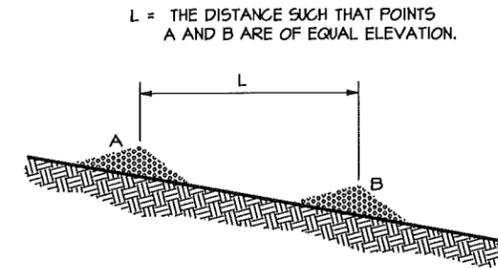


GRADING & EROSION CONTROL PLAN
SCALE: 1" = 20'-0"



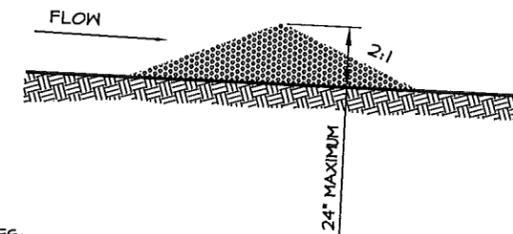
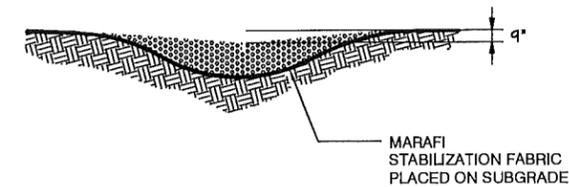
NOTE: USE 36" DOT APPROVED FABRIC
USE STEEL POSTS

Sdl-C SILT FENCE, TYPE-C



SPACING BETWEEN CHECK DAMS

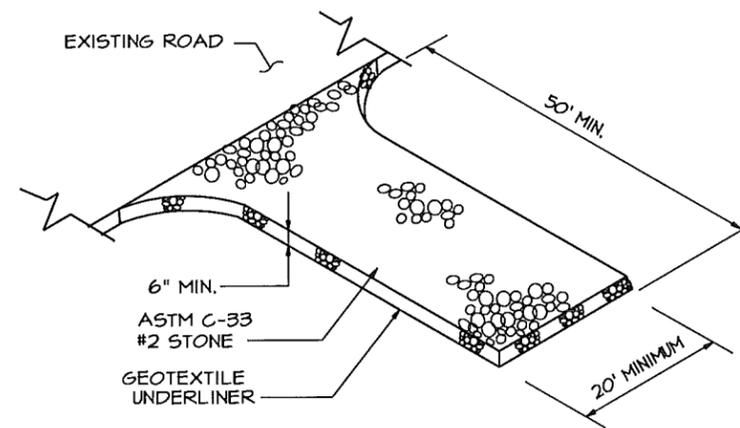
STONE CHECK DAM



NOTES:

- CHECK DAMS TO BE CONSTRUCTED OF GRADED SIZE 2 - 10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO INSURE COMPLETE COVERAGE OF ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF DAM IS LOWER THAN EDGES.
- SEDIMENT TO BE REMOVED WHEN A LEVEL OF 1/2 THE ORIGINAL DAM HEIGHT OR LESS IS REACHED. REMOVE CHECK DAMS AT COMPLETION OF PROJECT AND TREAT RESULTING DISTURBED AREAS AS REQUIRED.

Cd CHECK DAM
NOT TO SCALE



Co CONSTRUCTION EXIT

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/21/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/13/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16

SITE NAME

GRADING, SEDIMENT & EROSION CONTROL DETAILS

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125

C-6



PIEDMONT VEGETATIVE COVERS

| CALENDAR MONTH | TEMPORARY SEED | APPLICATION RATE/ACRE | PERMANENT SEED | APPLICATION RATE/ACRE |
|----------------|---|---|--|------------------------------------|
| 1. JANUARY | RYE GRASS | 40-50 LB. | UNHULLED BERMUDA SERICEA LESPEDEZA ² | 8-10 LB. 30-40 LB. |
| 2. FEBRUARY | | | UNHULLED BERMUDA SERICEA LESPEDEZA ² FESCUE | 8-10 LB. 30-40 LB. 30-50 LB. |
| 3. MARCH | RYE ANNUAL LESPEDEZA WEEPING LOVE GRASS | 2-3 BU. 20-25 LB. 4-6 LB. | UNHULLED BERMUDA SERICEA LESPEDEZA ² FESCUE | 8-10 LB. 30-40 LB. 30-50 LB. |
| 4. APRIL | RYE BROWN TOP MILLET ANNUAL LESPEDEZA SUDAN ANNUAL | 2-3 BU. 30-40 LB. 20-25 LB. 35 LB. | WEEPING LOVE GRASS HULLED BERMUDA BAHIA | 4-6 LB. 5-6 LB. 40-60 LB. |
| 5. MAY | WEEPING LOVE GRASS SUDAN GRASS BROWN TOP MILLET | 4-6 LB. 35 LB. 30-40 LB. | WEEPING LOVE GRASS HULLED BERMUDA BAHIA | 4-6 LB. 5-6 LB. 40-60 LB. |
| 6. JUNE | WEEPING LOVE GRASS SUDAN GRASS BROWN TOP MILLET | 4-6 LB. 35 LB. 30-40 LB. | WEEPING LOVE GRASS HULLED BERMUDA BAHIA | 4-6 LB. 5-6 LB. 40-60 LB. |
| 7. JULY | WEEPING LOVE GRASS SUDAN GRASS BROWN TOP MILLET | 4-6 LB. 35 LB. 30-40 LB. | | |
| 8. AUGUST | RYE GRASS WEEPING LOVE GRASS | 40-50 LB. 4-6 LB. | | |
| 9. SEPTEMBER | | | TALL FESCUE | 30-50 LB. |
| 10. OCTOBER | WHEAT | 2-3 BU. | UNHULLED BERMUDA SERICEA LESPEDEZA ² FESCUE | 8-10 LB. 30-40 LB. 30-50 LB. |
| 11. NOVEMBER | WHEAT | 2-3 BU. | UNHULLED BERMUDA SERICEA LESPEDEZA ² FESCUE | 8-10 LB. 30-40 LB. 30-50 LB. |
| 12. DECEMBER | RYE RYE GRASS WHEAT | 2-3 BU. 40-50 LB. 2-3 BU. | UNHULLED BERMUDA SERICEA LESPEDEZA ² FESCUE | 8-10 LB. 30-40 LB. 30-50 LB. |

¹ USE A MINIMUM OF 40 LBS. SCARIFIED SEED. THE REMAINDER MAY BE UNSCARIFIED, CLEAN HULLED SEED.

² USE EITHER COMMON SERALA OR INTERSTATE SERICEA LESPEDEZA.

Ds2 DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

GENERAL

THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS, AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS

DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATES. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

HYDRAULIC SEEDING EQUIPMENT: WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER MULCH WILL BE MIXED WITH WATER AND APPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENOUS MIXTURE, AND SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING. THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (HYDRAULIC SEEDING EQUIPMENT ON SLOPES 3:1 AND STEEPER)

| SEED SPECIES | APPLICATION RATE/ACRE | PLANTING DATES |
|--|-------------------------------|----------------|
| SERICEA LESPEDEZA, SCARIFIED WEEPING LOVE GRASS, OR COMMON BERMUDA, HULLED | 60 LBS. 4 LBS. 6 LBS. | 3/1 - 6/15 |
| FESCUE SERICEA LESPEDEZA, UNSCARIFIED | 40 LBS. 60 LBS. | 9/1 - 10/31 |
| FESCUE SERICEA LESPEDEZA, UNSCARIFIED RYE | 40 LBS. 75 LBS. 50 LBS. | 11/1 - 2/28 |
| HAY MULCH FOR TEMPORARY COVER | 5000 LBS. | 6/15 - 8/31 |

B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL

FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS./ACRE

C. SECOND-YEAR TREATMENT:

FERTILIZER (0-20-20 OR EQUIVALENT) 500 LBS./ACRE

Ds2 DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

GENERAL

THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS, AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS

DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATES. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

CONVENTIONAL SEEDING EQUIPMENT: GRADE, SHAPE, AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED, AND FIRMED. SEEDING WILL BE DONE WITH A CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER, OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESHLY PREPARED SEEDBED AND COVERED LIGHTLY. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARRON WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)

| SEED SPECIES | APPLICATION RATE/ACRE | PLANTING DATES |
|---|--|----------------|
| AGRICULTURAL LIMESTONE #15 FERTILIZER, 5-10-15 MULCH (STRAW OR HAY) | 4000 LBS./ACRE 1500 LBS./ACRE 5000 LBS./ACRE | |
| HULLED COMMON BERMUDA GRASS | 10 LBS. | 3/1 - 6/15 |
| FESCUE | 50 LBS. | 9/1 - 10/31 |
| FESCUE RYE GRASS | 50 LBS. 50 LBS. | 11/1 - 2/28 |
| HAY MULCH FOR TEMPORARY COVER | 5000 LBS. | 6/15 - 8/31 |

B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL

FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS./ACRE

C. SECOND-YEAR TREATMENT:

FERTILIZER (5-10-15 OR EQUIVALENT) 800 LBS./ACRE

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/21/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16

**GRADING, SEDIMENT &
EROSION CONTROL
VEGETATION SPECS**

SITE NAME

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125

C-7



| DATE | DESCRIPTION |
|----------|-------------------------|
| 11/2/10 | ISSUED FOR CONSTRUCTION |
| 04/14/11 | ADDED LANDSCAPE PLAN |
| 04/26/11 | REVISED LANDSCAPE PLAN |
| 05/31/11 | GENERAL REVISIONS |
| 08/19/11 | REVISED TOWER TYPE |

HHI 16

**EQUIPMENT FOUNDATION
DETAILS & NOTES**

| | |
|-----------|--------|
| DESIGNED: | JTG |
| DRAWN: | JTG |
| CHECKED: | PWM |
| JOB #: | TCD125 |

C-8

REINFORCED CONCRETE:

1. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS; CONCRETE CYLINDER TESTS ARE REQUIRED FOR 7, 14, AND 28 DAY STRENGTHS, AND SHALL BE CONDUCTED BY A QUALIFIED, LICENSED, AND INSURED TESTING COMPANY.

CLASSES OF CONCRETE

| CLASS/ STRENGTH | 7 DAY MIN. STRENGTH (PSI) | 14 DAY MIN. STRENGTH (PSI) | 28 DAY MIN. STRENGTH (PSI) | NOTES |
|--------------------|---------------------------------|----------------------------------|----------------------------------|------------|
| TYPE I - 3000 PSI | 2110 | 2645 | 3000 | NORMAL WT. |
| TYPE I - 4000 PSI | 2815 | 3525 | 4000 | NORMAL WT. |
| TYPE I - 5000 PSI | 3520 | 4405 | 5000 | NORMAL WT. |

ALL CONCRETE USED SHALL BE 3,000 PSI MIN. OR EQUAL TO THE STRENGTH OF CONCRETE USED IN THE TOWER FOUNDATION, WHICHEVER IS GREATER.

2. MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4" REINFORCEMENT SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60. MINIMUM REBAR SPLICES SHALL BE 40 DIAMETERS.

3. REINFORCEMENT SHALL COMPLY WITH THE LATEST EDITION OF ASCE AND ACI-318 FOR MINIMUM CLEARANCES.

4. ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.

5. MAINTAIN TEMPERATURE OF CAST IN PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES FAHRENHEIT.

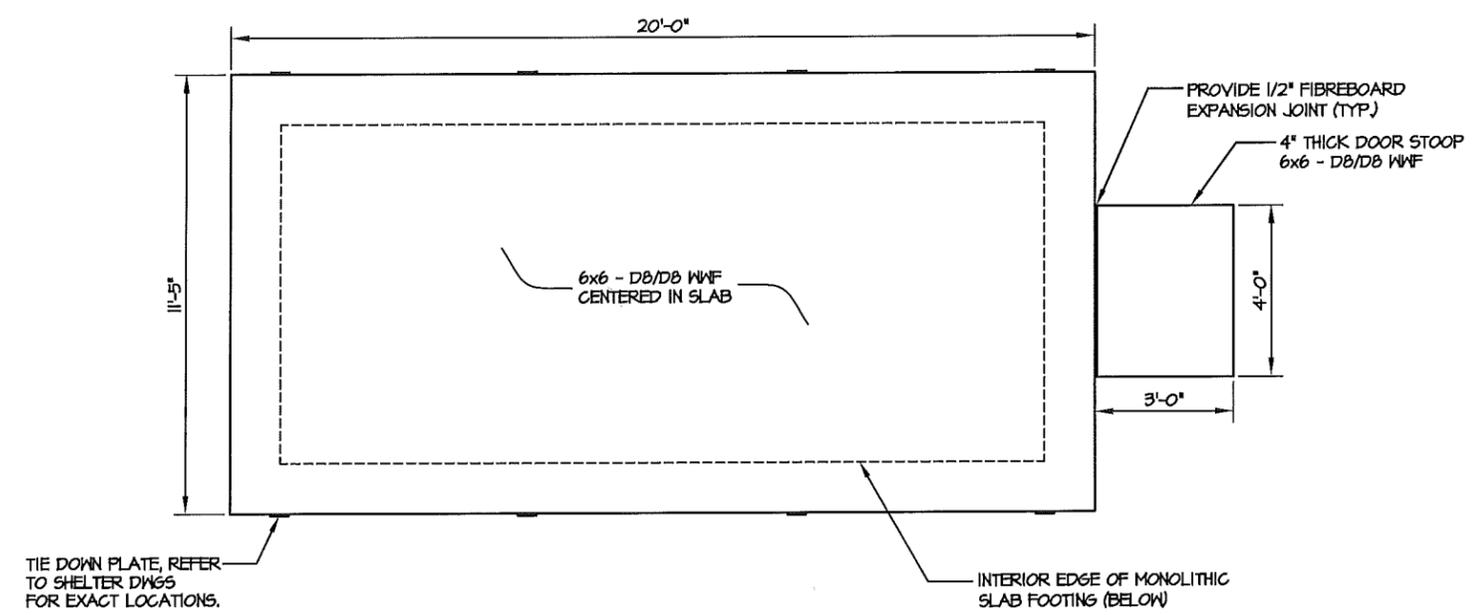
6. DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE.

7. DO NOT USE WELDED WIRE FABRIC IN THE MONOLITHIC SLAB.

8. NO SPLICES OF REINFORCEMENT PERMITTED EXCEPT AS DETAILED OR AUTHORIZED. MAKE BARS CONTINUOUS AROUND CORNERS. WHERE PERMITTED, SPLICES MADE BY CONTRACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.

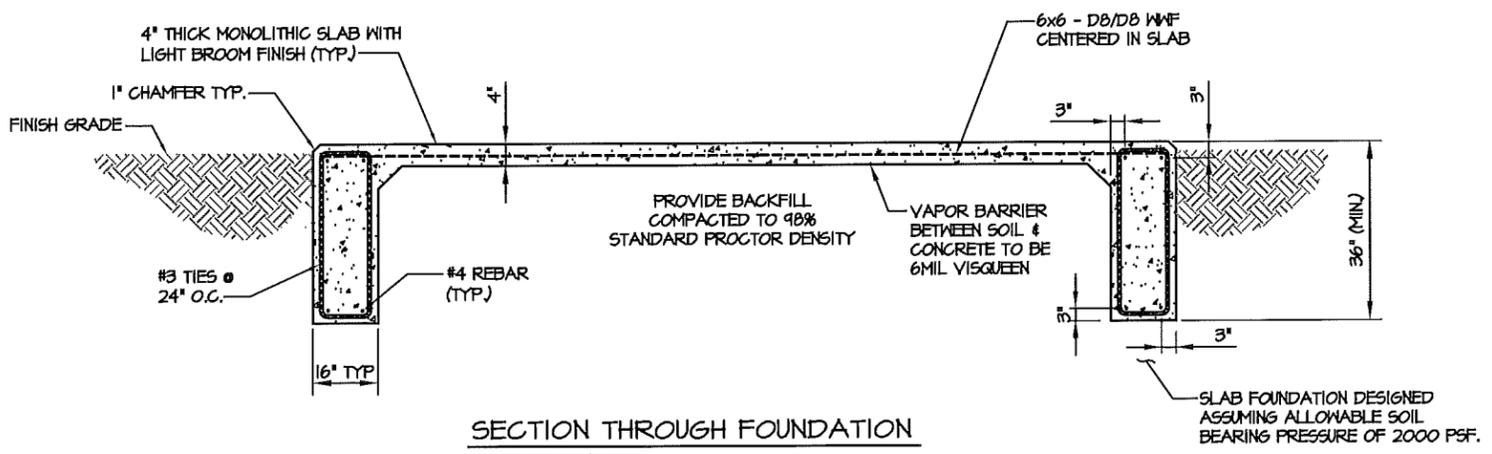
9. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL - 1985, PUBLICATION SP-66 AND " BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318 LATEST EDITION.

10. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT



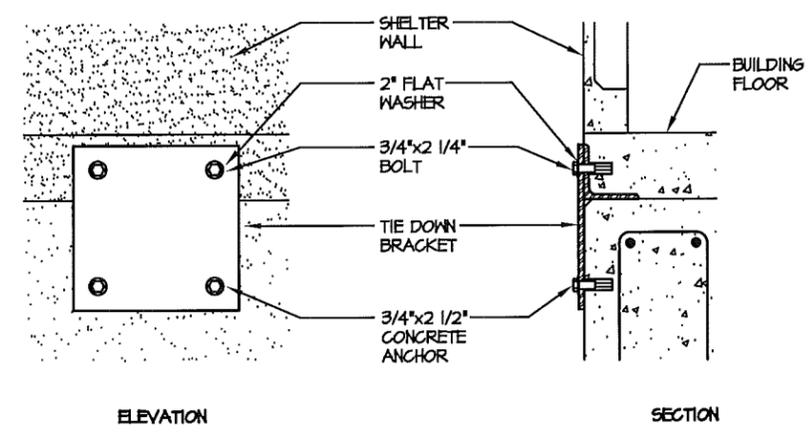
BUILDING FOUNDATION PLAN VIEW

NOT TO SCALE



SECTION THROUGH FOUNDATION

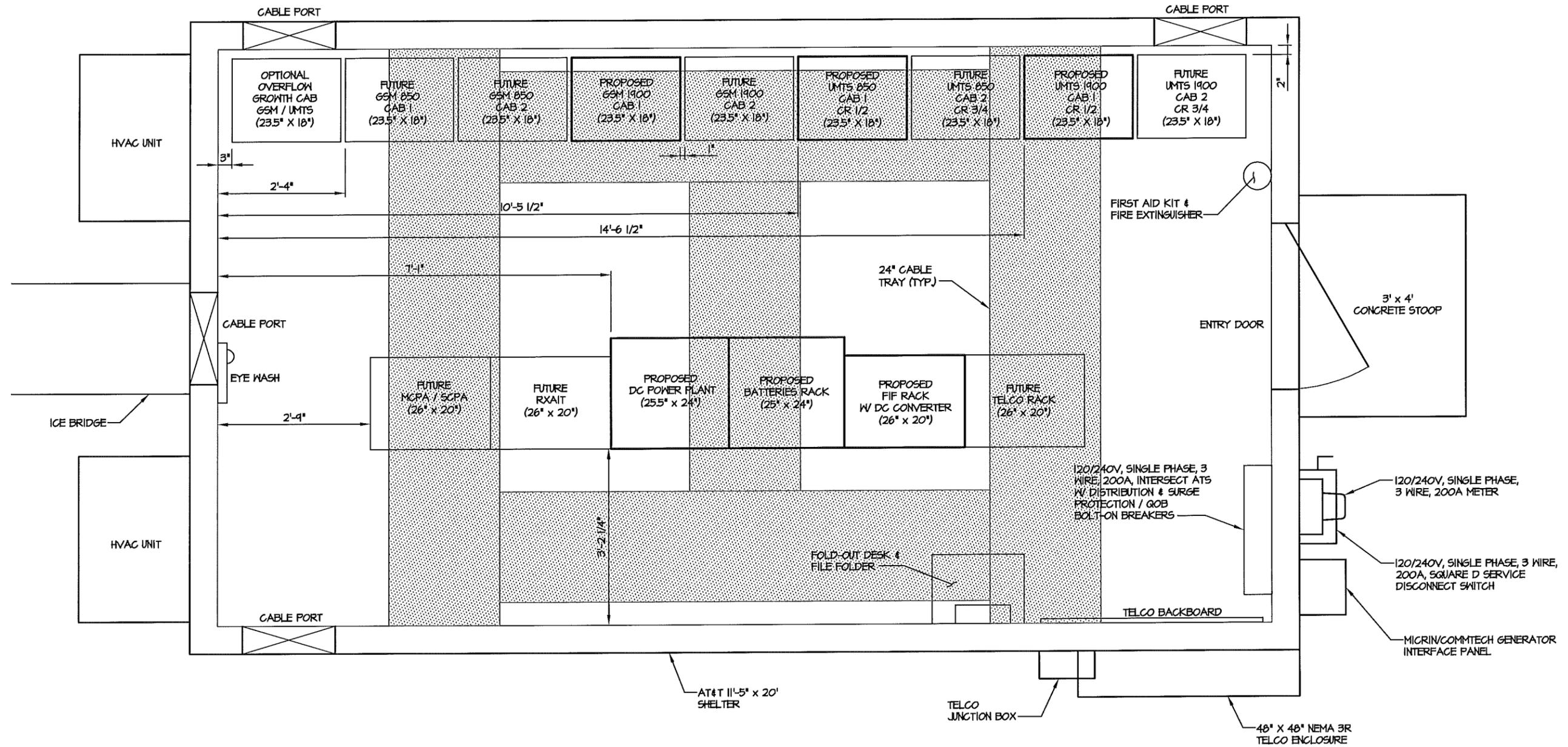
NOT TO SCALE



SHELTER ATTACHMENT DETAIL

NOT TO SCALE





* SEE BUILDING MANUFACTURER'S DRAWINGS FOR ADDITIONAL DETAILS.

EQUIPMENT LAYOUT
SCALE: 1" = 2'-0"

| NUM | DATE | DESCRIPTION |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/31/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16

EQUIPMENT LAYOUT

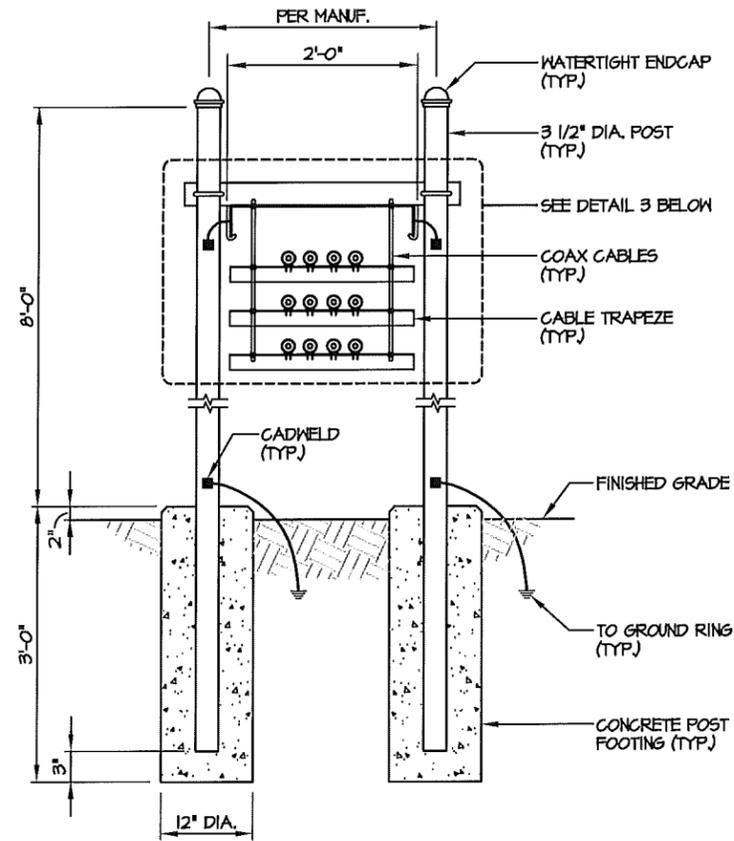
SITE NAME

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

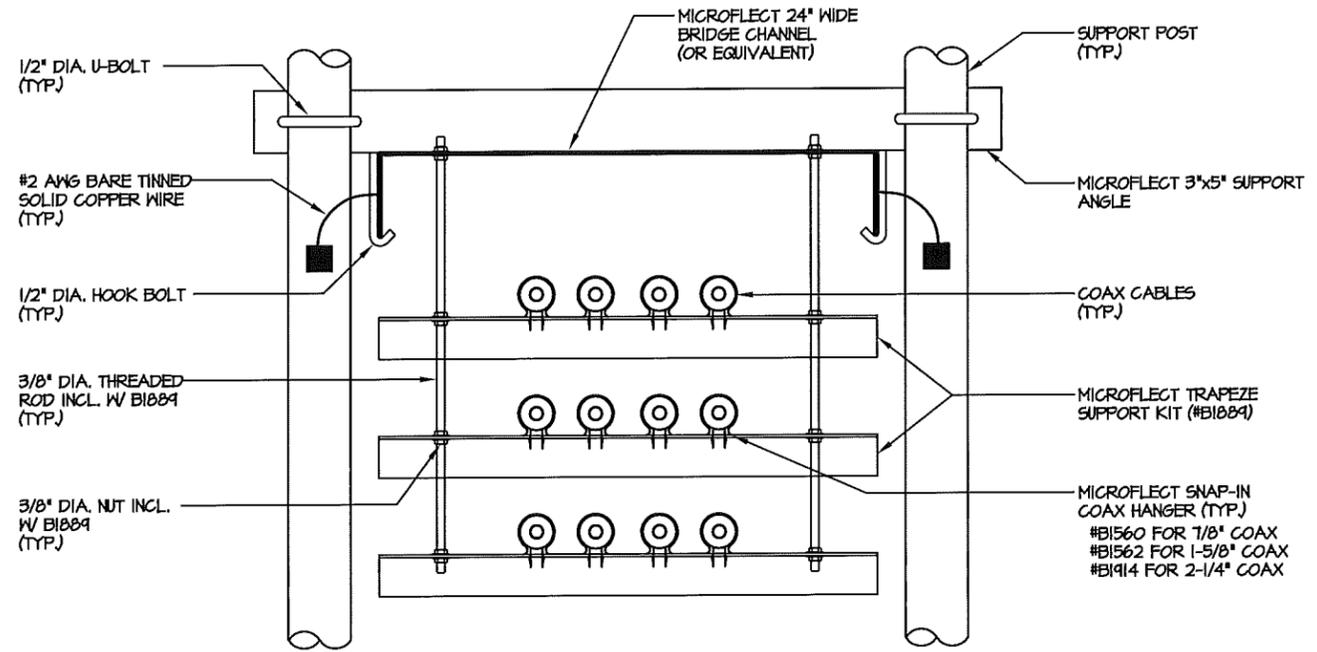
JOB #: TCD125

C-9

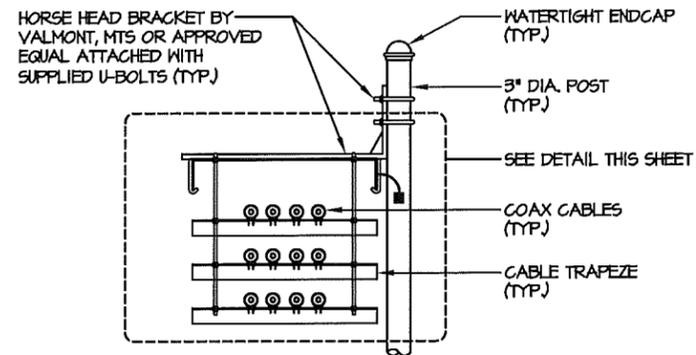




ICE BRIDGE SECTION
NOT TO SCALE



COAX CABLE TRAPEZE DETAIL
NOT TO SCALE



ICE BRIDGE SECTION (ALTERNATE HORSE HEAD)
NOT TO SCALE

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/31/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16
ICE BRIDGE DETAILS

| | |
|-----------|--------|
| DESIGNED: | JTG |
| DRAWN: | JTG |
| CHECKED: | PWM |
| JOB #: | TCD125 |

C-10





SITE NAME: _____
 SITE NUMBER: _____
 FCC REGISTRATION NUMBER: _____

FOR LEASING INFORMATION: 877-282-7483
 877-ATC-SITE

IN CASE OF EMERGENCY: 877-518-6937
 877-51-TOWER

NO TRESPASSING
 www.americantower.com
 POSTING OF THIS SIGN REQUIRED BY LAW

OWNER CONTACT SIGN
 WHITE BACKGROUND, BLACK/RED LETTERING
 MOUNTING LOCATION: GATE
 QUANTITY: 1

WHITE TEXT

BLUE BACKGROUND

NOTICE



WHITE BACKGROUND

Beyond This Point,
 you are entering an area where radio
 frequency emissions *may exceed*
 the FCC General Population
 Exposure Limits.

Follow all posted signs and site guidelines for
 working in a radio frequency environment.

Ref: FCC 47 CFR, Subpart H, Part 22.

FCC RF EXPOSURE SIGN
 WHITE/BLUE BACKGROUND, WHITE/BLACK LETTERING
 MOUNTING LOCATION: EYE LEVEL @ GATE
 QUANTITY: 1

AT&T SIGNAGE NOTES:

- SIGNS SHALL MEASURE 8" x 12" & BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL & PAINTED WITH LONG LASTING UV RESISTANT COATINGS.
- SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE & FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOG RINGS (FENCE) OR BRACKETS, WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.
- ADDITIONAL E911 ADDRESS & FCC REGISTRATION SIGNS SHALL BE MOUNTED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF.
- AT&T SITE # & EMERGENCY CONTACT SIGNS SHALL BE MOUNTED ON THE EQUIPMENT CABINET WITH PERMANENT SET ADHESIVE. TWO SIDED TAPE SHALL BE UTILIZED AT EACH CORNER ON THE BACKSIDE TO AID PLACEMENT UNTIL THE ADHESIVE SETS.

SITE #
410-415

SITE # IDENTIFICATION SIGN
 WHITE BACKGROUND, BLACK LETTERING
 MOUNTING LOCATION: EQUIPMENT CABINET
 QUANTITY: 1

WHITE TEXT

TEAL BACKGROUND

INFORMATION

AT&T operates telecommunications antennas at this location.

Stay back a minimum of 3 feet from any antenna.

Obey all posted signs & site guidelines.

Contact the owner(s) of the antenna(s) & follow their instructions prior to performing any repairs or maintenance within a restricted area or closer than 3 feet from their antenna(s).

Contact AT&T at _____ prior to doing any work near AT&T antennas. This is Site # _____

Contact the management office if this door, hatch, or gate is found unlocked.

WHITE BACKGROUND

INFORMATION RF EXPOSURE SIGN
 WHITE/TEAL BACKGROUND, BLACK/WHITE LETTERING
 MOUNTING LOCATION: GATE
 QUANTITY: 1

**IN CASE OF
 EMERGENCY
 CALL
 1-800-298-3551**

EMERGENCY CONTACT SIGN
 WHITE BACKGROUND, BLACK LETTERING
 MOUNTING LOCATION: EQUIPMENT CABINET
 QUANTITY: 1



| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/11/11 | GENERAL REVISIONS |
| 4 | 06/14/11 | REVISED TOWER TYPE |

HHI 16

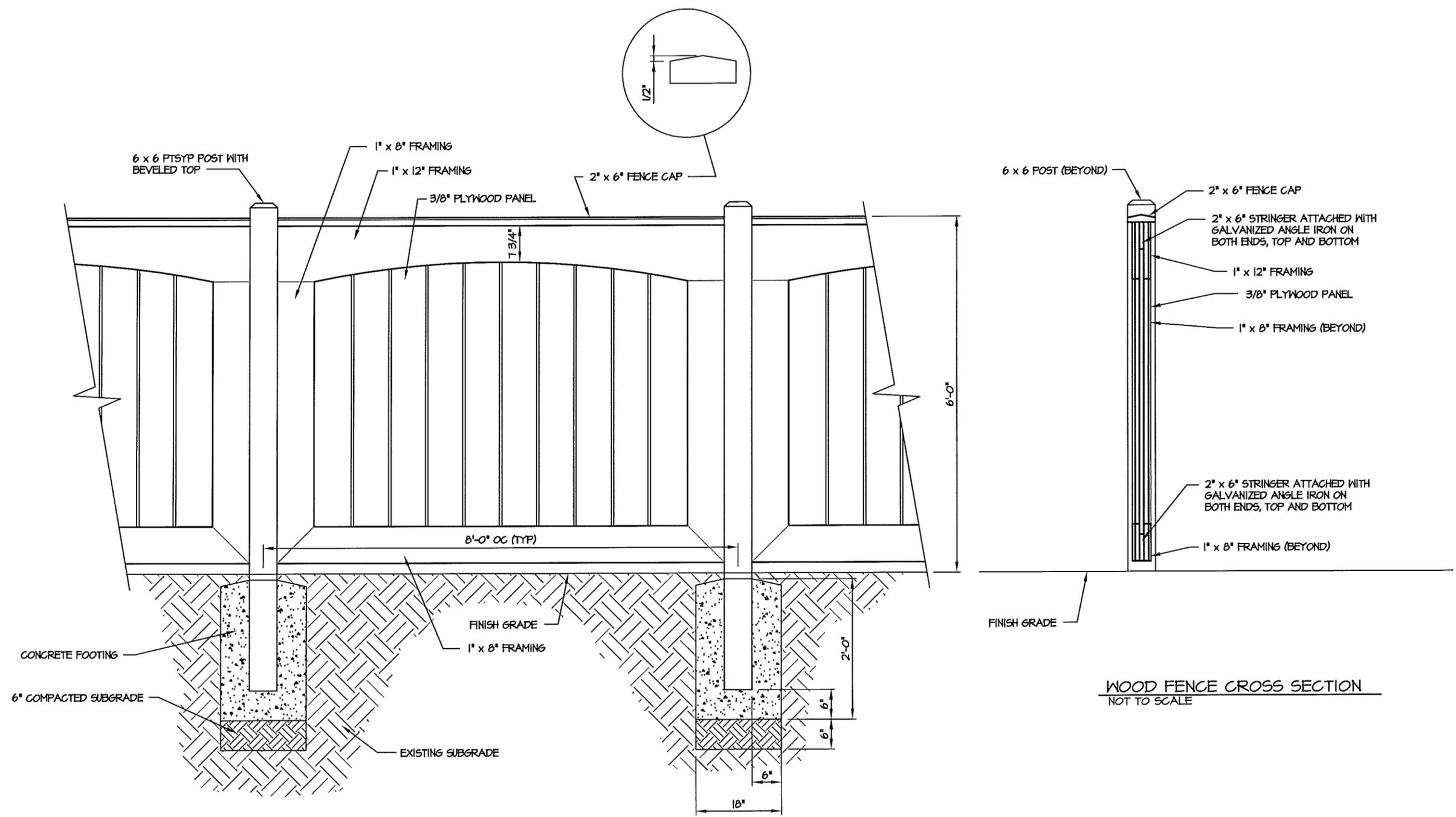
SITE SIGNAGE

SITE NAME: _____

DESIGNED: JTG
 DRAWN: JTG
 CHECKED: PWM

JOB #: TCD125

C-11



NOTE:
FENCE SHALL BE STAINED "CHARLESTON GREEN". CONSTRUCTION MANAGER SHALL APPROVE COLOR PRIOR TO STAINING.

WOOD FENCE DETAIL
NOT TO SCALE

NOTE:
12' WIDE DOUBLE SWING GATE:
ALL DETAILING AND MILLWORK TO MATCH THAT OF PROPOSED FENCE. ALL HARDWARE TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.



| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/26/11 | GENERAL REVISIONS |
| 4 | 08/14/11 | REVISED TOWER TYPE |

HHI 16

FENCE DETAILS

SITE NAME

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125

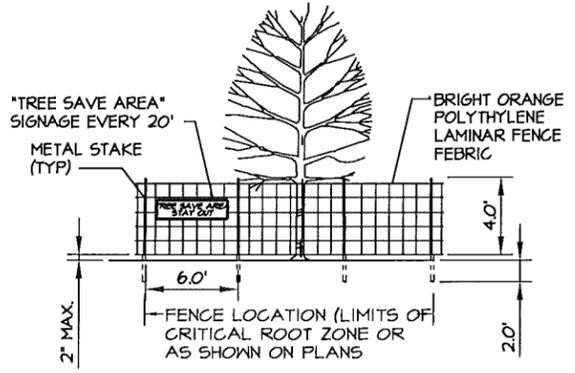
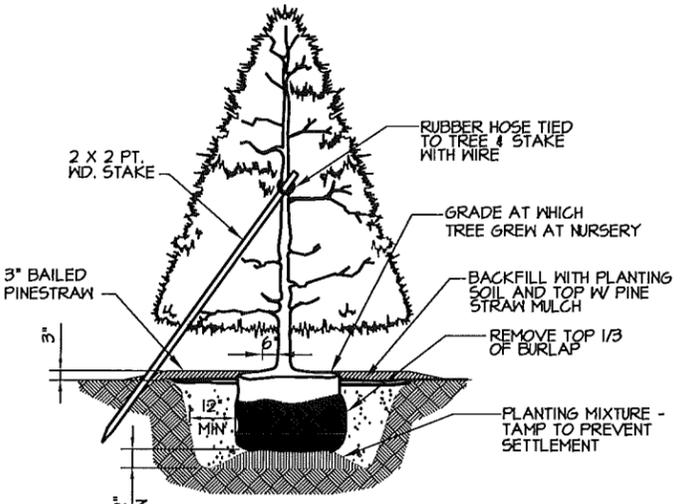
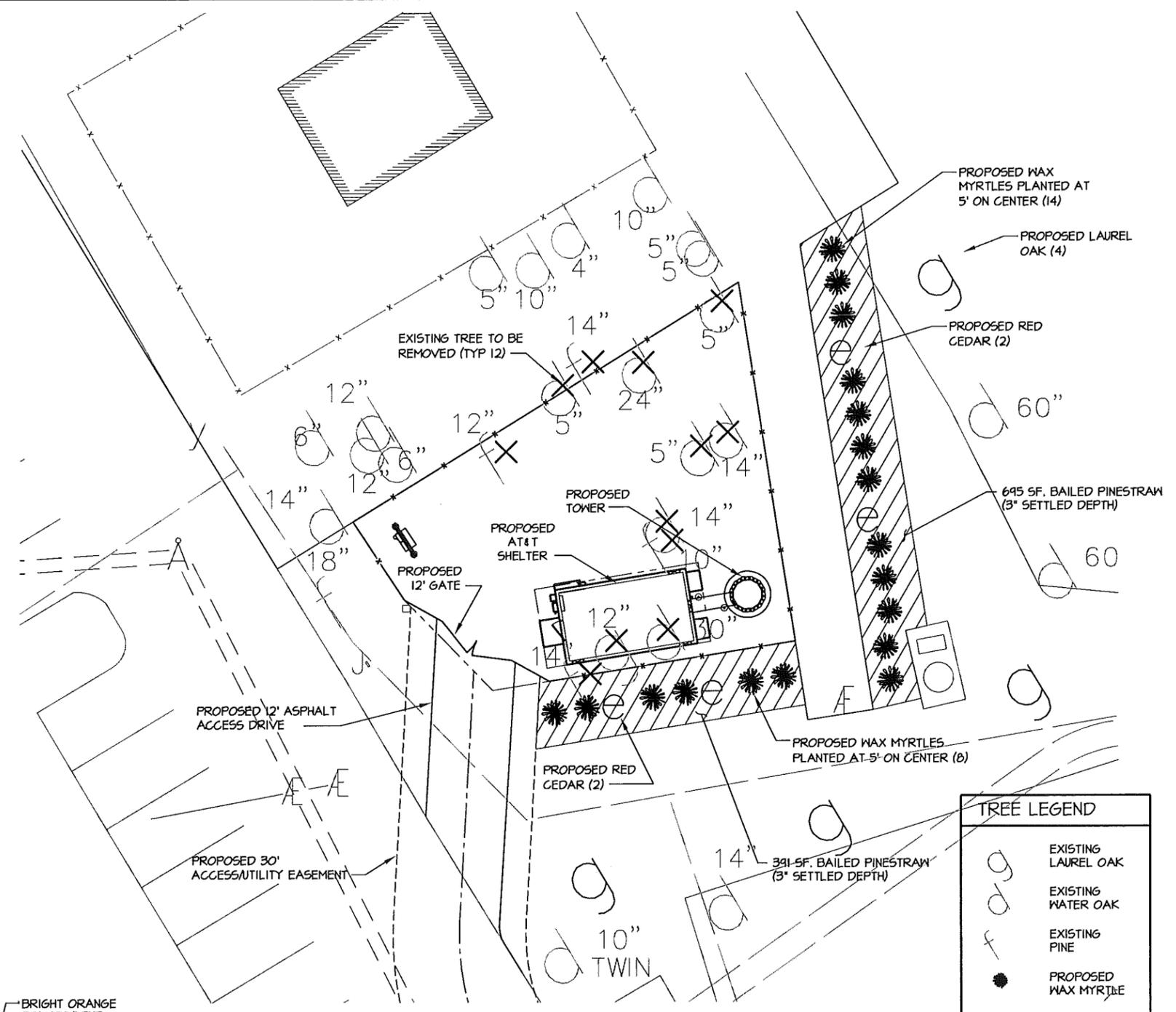
C-12

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
2. ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS SPECIFIED.
3. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
4. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN.
6. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZATION, ETC.) OF PLANTING AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE ENGINEER'S REPRESENTATIVE.
10. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
11. THE ENGINEER'S REPRESENTATIVE WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
12. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
13. ANY PLANT MATERIAL THAT DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL SPECIFICATIONS.
14. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK", LATEST EDITION, REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.

TOTAL AREA OF LANDSCAPE BUFFER: 1,086 SF - 0.025 ACRES

| QTY. | COMMON NAME | BOTANICAL NAME | SIZE/REMARKS |
|------|-------------|----------------------|---------------------------------|
| 18 | WAX MYRTLE | Myrica Cerifera | 15 GALLON MINIMUM |
| 4 | RED CEDAR | Juniperus Virginiana | 6'-8' MIN. HEIGHT AT PLANTING |
| 4 | LAUREL OAK | Quercus Laurifolia | 10'-12' MIN. HEIGHT AT PLANTING |

1,086 SF PINESTRAW MULCH - 3" SETTLED LAYER OF CLEAN STRAW



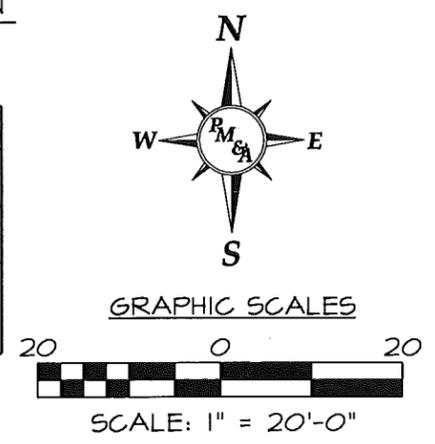
- NOTES:**
- 1) ALL PARKING WILL OCCUR ON EXISTING DRIVE.
 - 2) THERE WILL BE NO BURNING OR BURIAL OF DEBRIS ON SITE.
 - 3) ALL BUFFERS AND TREE SAVE AREAS ARE TO BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

TREE LEGEND

| | |
|---|---------------------|
| g | EXISTING LAUREL OAK |
| f | EXISTING WATER OAK |
| e | EXISTING PINE |
| ● | PROPOSED WAX MYRTLE |
| ○ | PROPOSED RED CEDAR |
| ○ | PROPOSED LAUREL OAK |

TREE SCHEDULE

| | |
|------------------------------|---|
| EXISTING TREES TO BE SAVED | (15) WATER OAK, (1) PINE (TOTAL CALIFER INCHES SAVED - 251") |
| EXISTING TREES TO BE REMOVED | (1) WATER OAK, (4) PINE, (1) LAUREL OAK (TOTAL CALIFER INCHES REMOVED - 159") |
| PROPOSED PLANTINGS | (18) WAX MYRTLE, 15 GALLON (4) RED CEDAR, 6'-8' MIN HEIGHT (4) LAUREL OAK, 10'-12' MIN HEIGHT |



| DATE | DESCRIPTION: |
|----------|-------------------------|
| 11/2/10 | ISSUED FOR CONSTRUCTION |
| 04/14/11 | ADDED LANDSCAPE PLAN |
| 04/26/11 | REVISED LANDSCAPE PLAN |
| 05/03/11 | GENERAL REVISIONS |
| 08/19/11 | REVISED TOWER TYPE |

LANDSCAPE PLAN

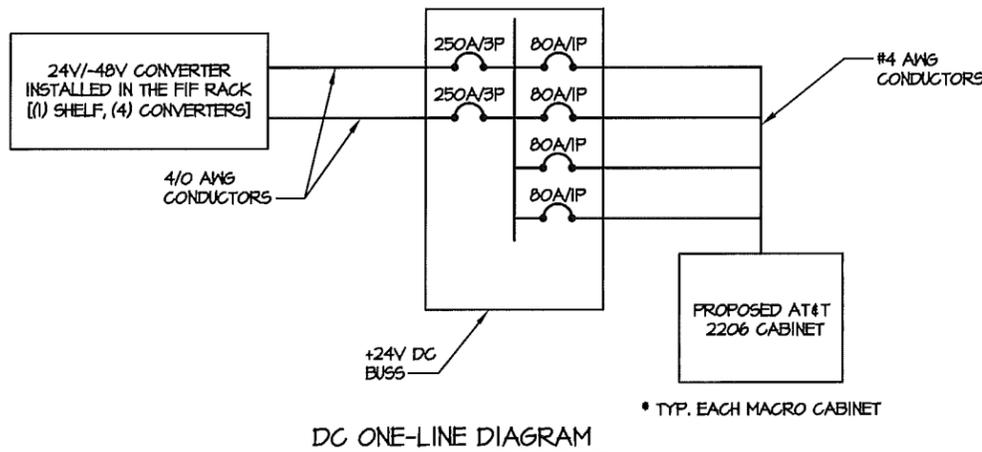
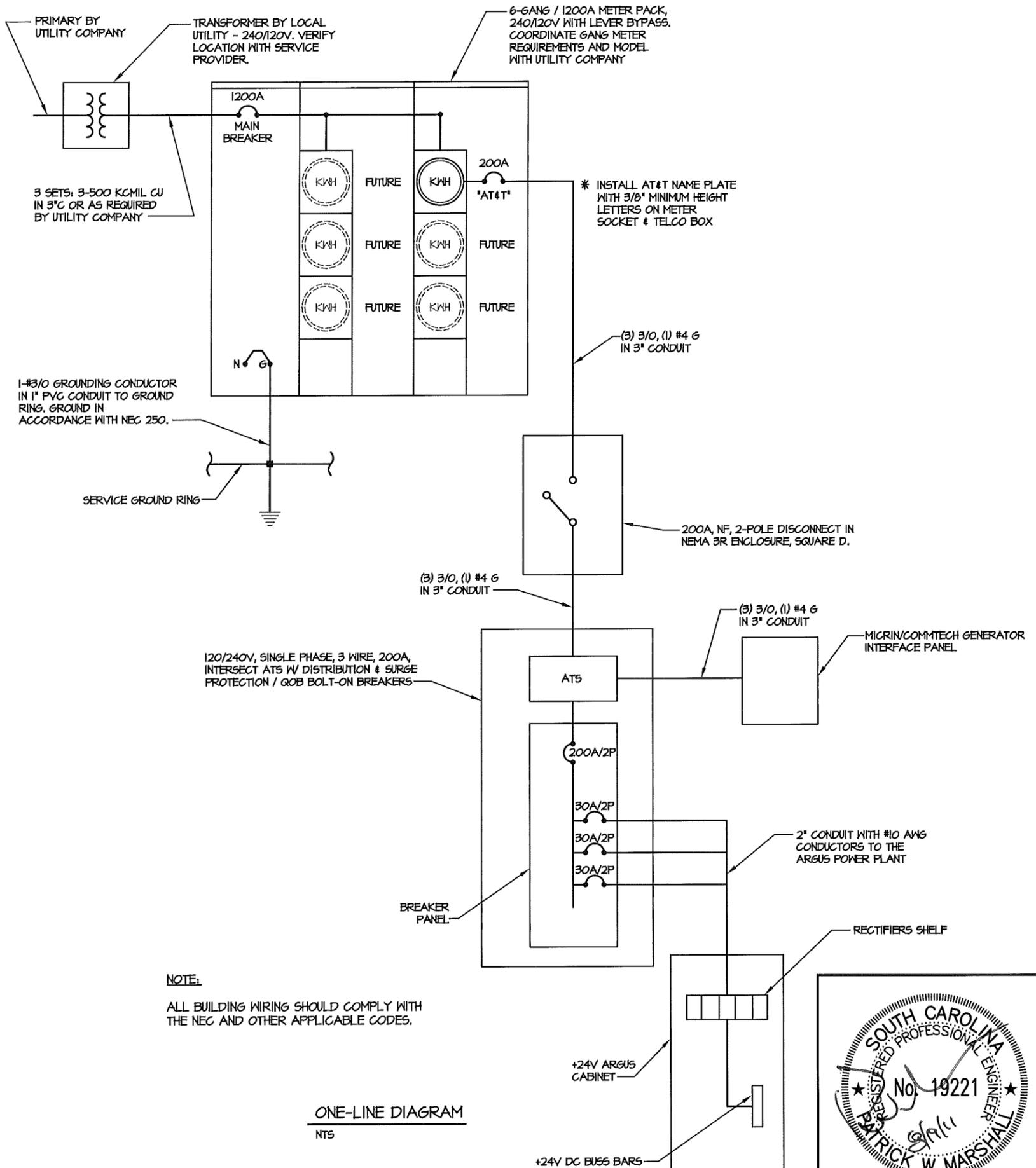
DESIGNED: JTG
DRAWN: LTG
CHECKED: PWM

JOB #: TCD125



ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RINGS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING, AND TI CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATINGS, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATINGS, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT IDS).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (NET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (NET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (NET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND POWER GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
18. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND, DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENGAGED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
19. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
21. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
22. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.



30 MANSSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

AMERICAN TOWER CORPORATION

900 CIRCLE 15 PARKWAY
SUITE 300
ATLANTA, GA 30334

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/21/11 | GENERAL REVISIONS |
| 4 | 08/16/11 | REVISED TOWER TYPE |

HHI 16

ELECTRICAL SPECS & ONE-LINE DIAGRAM

DESIGNED: JTG
DRAWN: LTG
CHECKED: PWM

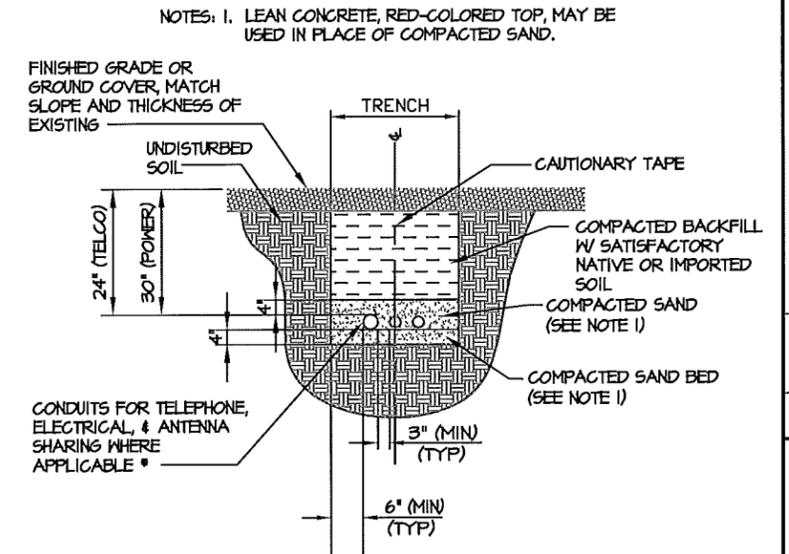
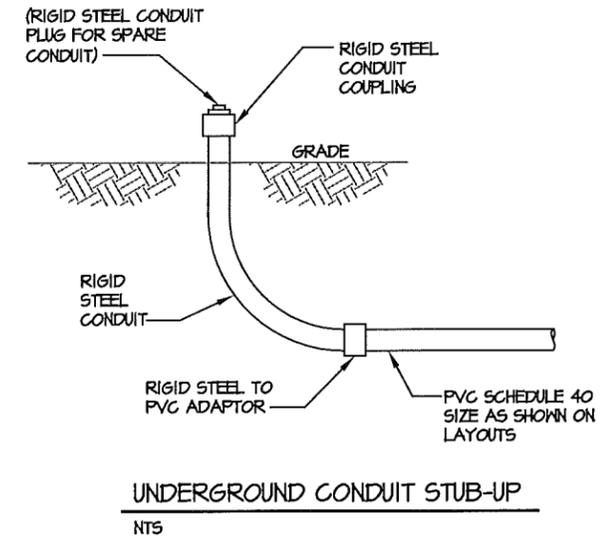
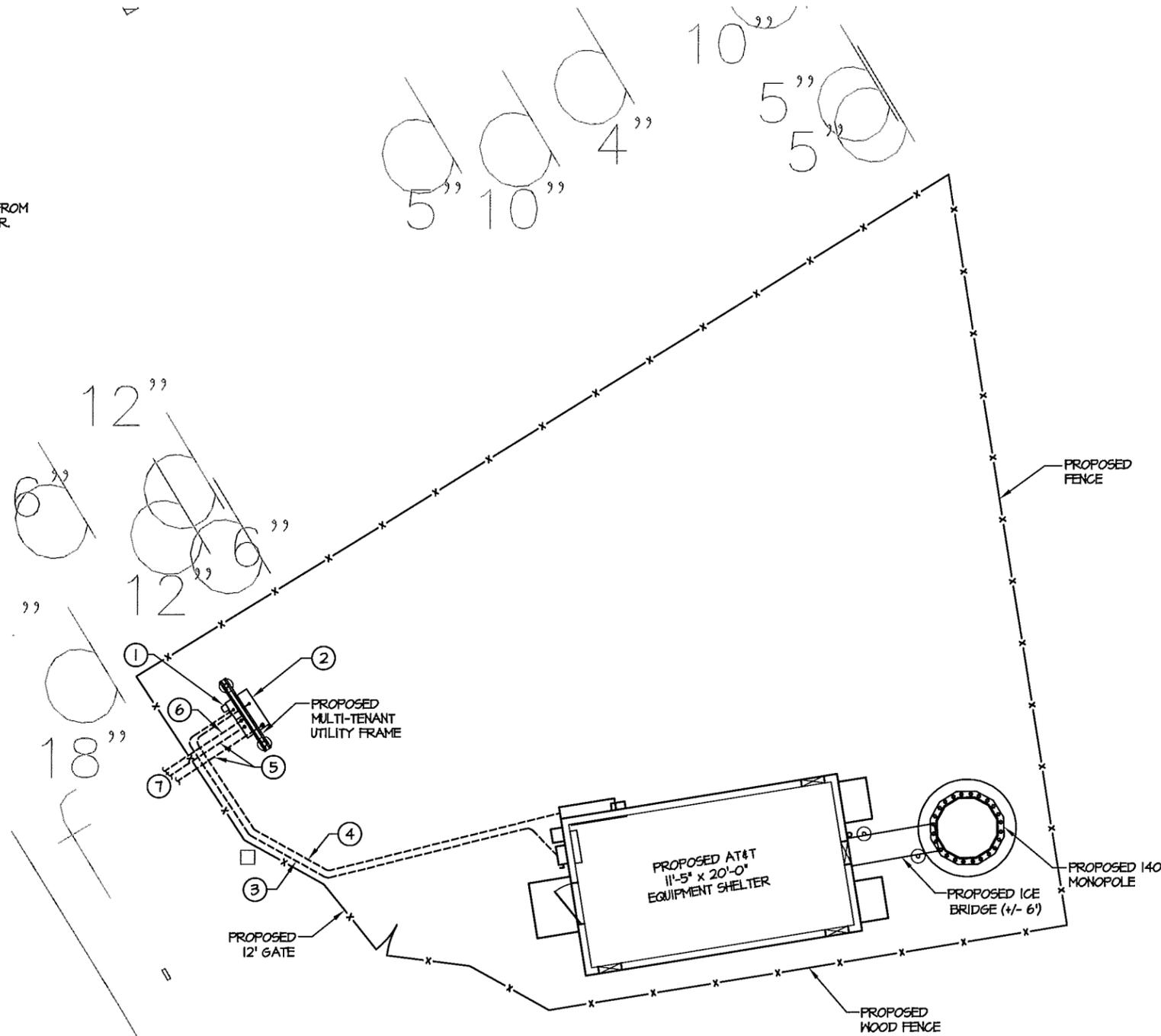
JOB #: TCD125

E-1

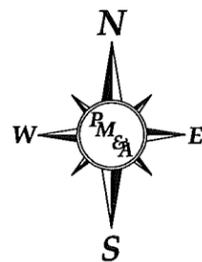


ELECTRICAL KEY NOTES:

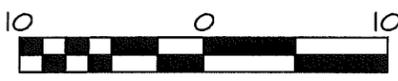
- ① PROPOSED 1200A GANG METER PANEL. SEE SHEET E-6 FOR MOUNTING DETAILS. SEE SHEET E-1 FOR ELECTRICAL ONE-LINE DIAGRAM.
- ② PROPOSED TELCO DEMARC CABINET. SEE SHEET E-6 FOR MOUNTING DETAILS.
- ③ PROPOSED (3) 3/0, (1) #4 G IN 3" CONDUIT FROM THE METER TO THE DISCONNECT ON SHELTER.
- ④ PROPOSED 4" CONDUIT WITH (2) FULL STRINGS FROM THE MULTI-TENANT TELCO BOX TO THE AT&T TELCO BOX MOUNTED ON THE EQUIPMENT SHELTER.
- ⑤ PROPOSED PVC CONDUITS FOR POWER SERVICE. COORDINATE SIZE AND NUMBER WITH THE UTILITY COMPANY.
- ⑥ PROPOSED 4" PVC CONDUIT WITH FULLSTRINGS FOR TELCO SERVICE.
- ⑦ STUB UP CONDUITS A MINIMUM OF 2' ABOVE FINISHED GRADE AND CAP AT REQUIRED LOCATION. COORDINATE WITH UTILITY PROVIDER FOR FINAL CONNECTION TO EXISTING UTILITIES.



* CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS



GRAPHIC SCALE



SCALE: 1" = 10'-0"

ELECTRICAL SITE PLAN

SCALE: 1" = 10'

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/21/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/31/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16

ELECTRICAL SITE PLAN

SITE NAME

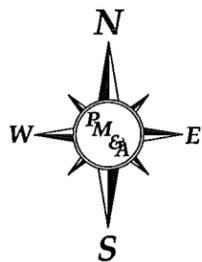
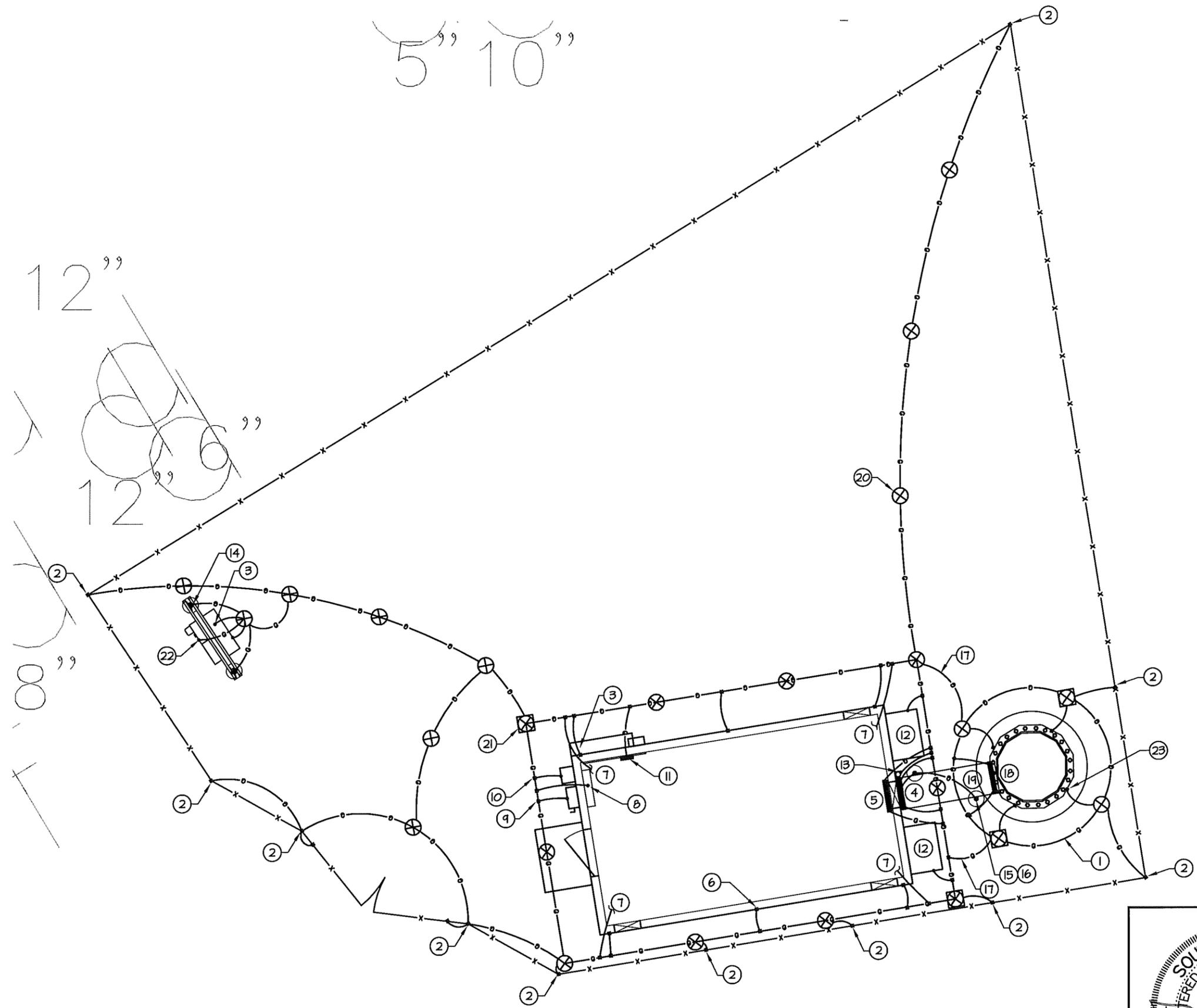
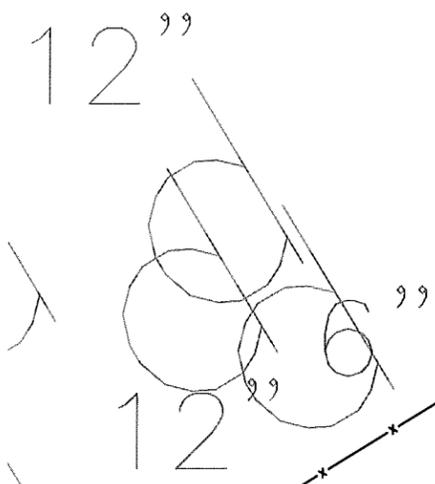
DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125



- ① #2 AWG BARE TINNED SOLID COPPER GROUND RING BURIED 30" BELOW GRADE (TYP)
- ② BOND FENCE & GATE POSTS TO GROUND RING WITH CADWELD CONNECTION (TYP)
- ③ BOND TELCO BUSS BAR TO GROUND RING
- ④ CONNECT EXTERIOR GROUND BAR (UNDER WAVEGUIDE PORT) TO NEW GROUND RING WITH #2 GROUND CONDUCTORS.
- ⑤ CONNECT MASTER GROUND BAR TO EXTERIOR GROUND RING. COORDINATE WITH EQUIPMENT BUILDING MANUFACTURER FOR LOCATION OF WALL PENETRATION.
- ⑥ BOND EACH SHELTER TIE DOWN PLATE TO GROUND RING WITH CADWELD.
- ⑦ PROVIDE GROUND LEADS FROM SHELTER HALO TO GROUND RING (4 PLACES). COORDINATE WITH SHELTER MANUFACTURER FOR LOCATION OF WALL PENETRATIONS.
- ⑧ PROVIDE GROUND LEAD FROM BUILDING 200A PANEL BOARD TO GROUND RING. COORDINATE WITH SHELTER MANUFACTURER FOR LOCATION OF WALL PENETRATIONS.
- ⑨ BOND DISCONNECT SWITCH TO GROUND RING.
- ⑩ BOND GENERATOR INTERFACE PANEL TO GROUND RING.
- ⑪ CONNECT TELCO GROUND BAR TO EXTERIOR GROUND RING. COORDINATE WITH EQUIPMENT BUILDING MANUFACTURER FOR LOCATION OF WALL PENETRATION.
- ⑫ BOND HVAC UNITS TO GROUND RING (TYP.)
- ⑬ GROUND GPS ANTENNAS PER MANUFACTURER'S SPECIFICATIONS.
- ⑭ BOND ALL H-FRAME POSTS TO GROUND RING (TYP).
- ⑮ BOND EVERY ICE BRIDGE POST BASE TO GROUND RING WITH CADWELD.
- ⑯ BOND EACH ICE BRIDGE SECTION TOGETHER WITH JUMPERS. BOND FIRST AND LAST SECTION TO GROUND RING.
- ⑰ BOND EQUIPMENT GROUND RING TO TOWER GROUND RING (TYP - 2 PLACES)
- ⑱ BOND TOWER MOUNTED GROUND BAR TO TOWER GROUND RING WITH #2 AWG SOLID BARE TINNED COPPER WIRE (TYP - 2 PLACES)
- ⑲ BOND COAX CABLE GROUND KIT TO GROUND BAR. REFER TO COAX CABLE GROUND KIT DETAIL.
- ⑳ PROPOSED GROUND ROD (TYP).
- ㉑ PROPOSED GROUND ROD WITH INSPECTION WELL.
- ㉒ PROPOSED #3/0 GROUNDING CONDUCTOR IN 1" PVC CONDUIT TO GROUND RING. GROUND IN ACCORDANCE WITH NEC 250.
- ㉓ BOND TOWER BASE PLATE TO TOWER GROUND RING.

5' 10"



GROUNDING PLAN
NTS

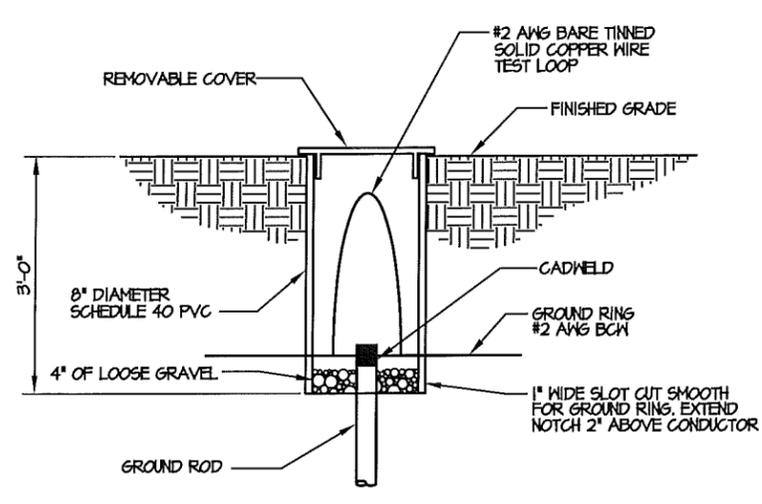


| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/21/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/31/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

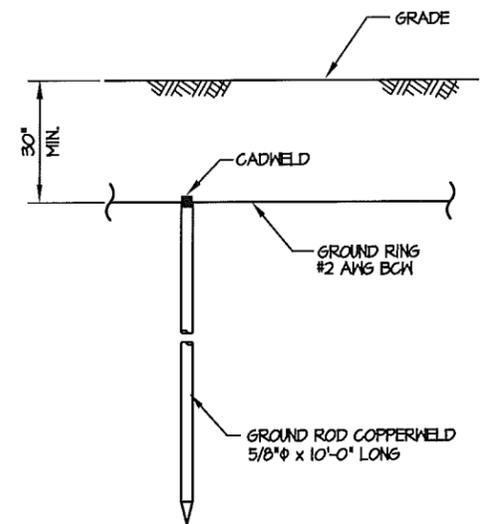
HHI 16
GROUNDING SITE PLAN

DESIGNED: JTG
DRAWN: JTG
CHECKED: PAM

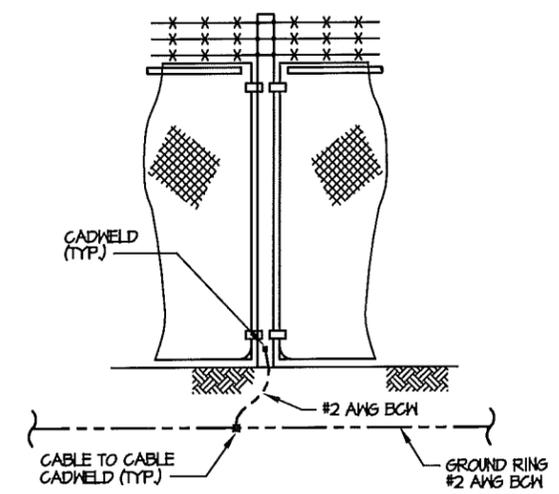
JOB #: TCD125
E-3



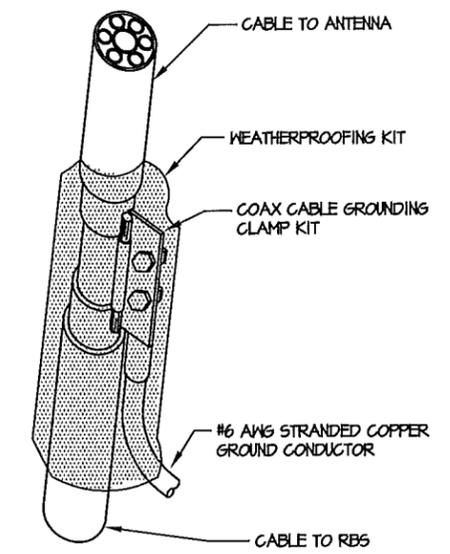
GROUND ROD INSPECTION WELL
NOT TO SCALE



GROUND ROD DETAIL
NOT TO SCALE

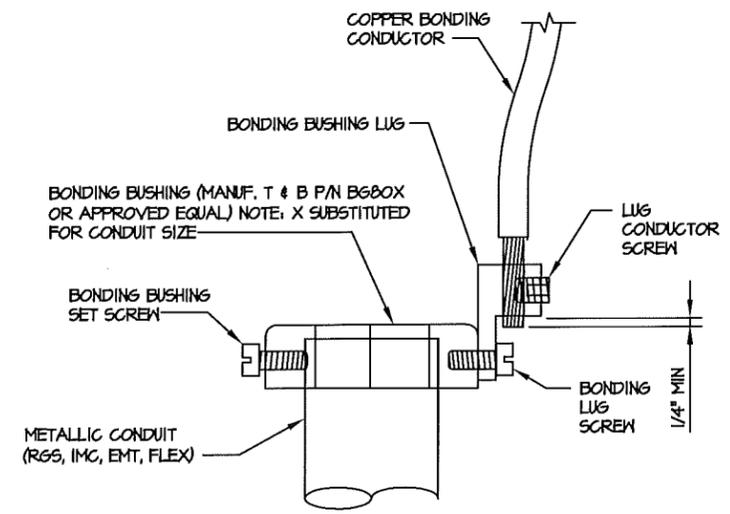


FENCE GROUNDING
NOT TO SCALE



- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A BEND.
 - ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
 - GROUNDING KIT & WEATHER PROOFING KIT SHALL BE TYPE & PART # AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

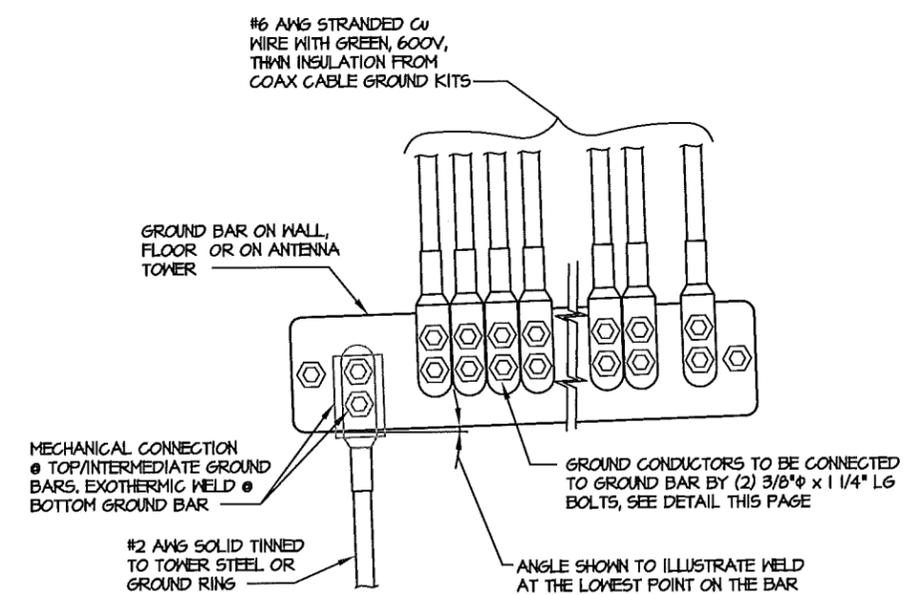
COAX CABLE GROUND KIT
NOT TO SCALE



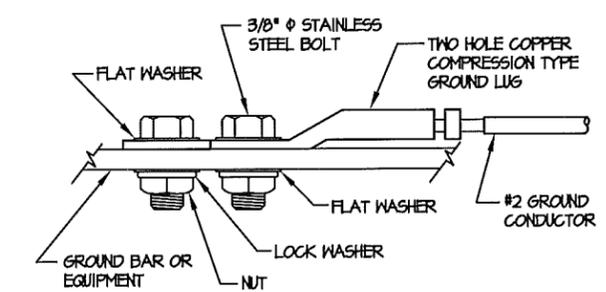
- DIRECTIONS:**
- MOUNT BONDING BUSHING ONTO CONDUIT
 - TIGHTEN BOND BUSHING SET SCREW
 - INSERT COPPER CONDUCTOR INTO LUG
 - TIGHTEN LUG CONDUCTOR SCREW
 - TIGHTEN BONDING LUG SCREW

NOTE: BONDING BUSHING, SET SCREW, LUG, LUG SCREW, COND. LUG SCREW, SHOWN AS COMPLETE UNIT.

CONDUIT BOND/GROUND BUSHING
NT5



INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR
NT5



MECHANICAL GROUND CONNECTION
NOT TO SCALE

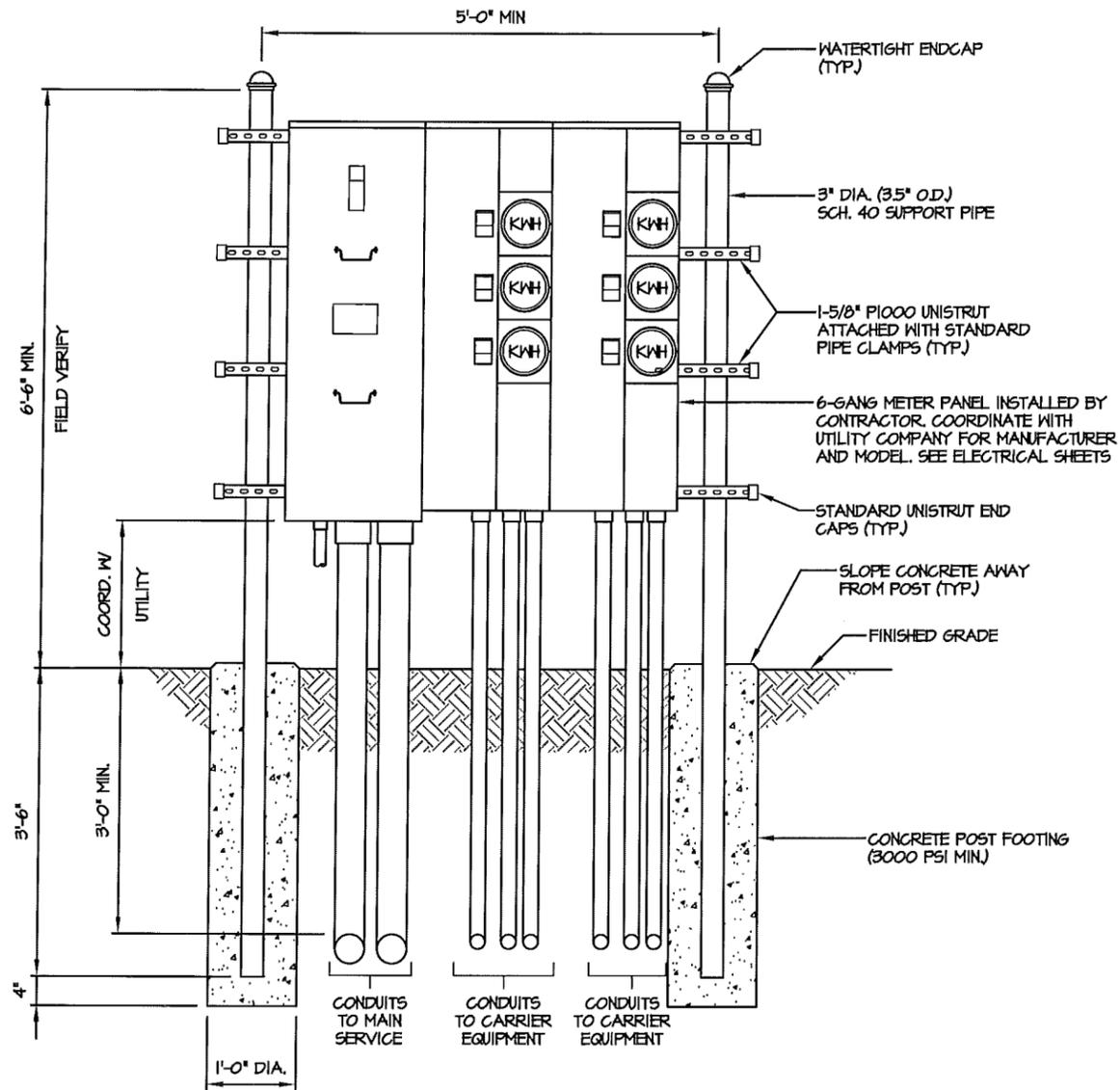


| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/31/11 | GENERAL REVISIONS |
| 4 | 08/19/11 | REVISED TOWER TYPE |

HHI 16
GROUNDING DETAILS

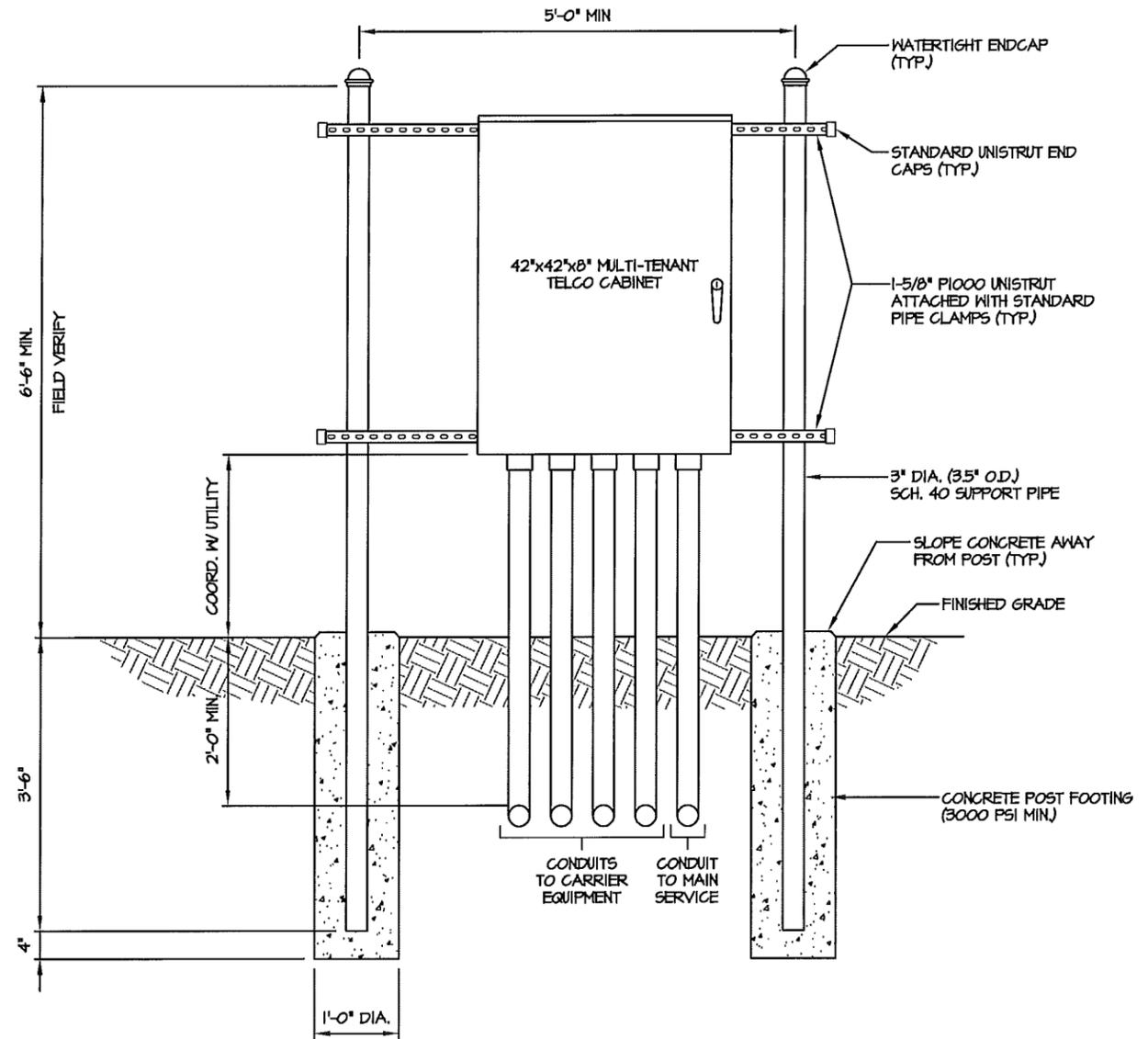
DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125
E-4



UTILITY FRAME DETAIL (GANG METER)

NTS



UTILITY FRAME DETAIL (TELCO)

NTS

NOTES:

1. CONTRACTOR SHALL FIELD LOCATE THE METER PEDESTAL AS SHOWN ON SITE PLAN. INSTALL THE METER PEDESTAL NEAR THE PERIMETER OF THE FENCED COMPOUND WITH THE METERS FACING AS SHOWN.
2. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY FOR THE CONDUIT RUN TO THE MAIN SERVICE CONNECTION OR TRANSFORMER.
3. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY FOR GROUND ROD REQUIREMENTS. IF REQUIRED, THE CONTRACTOR SHALL ORDER AND PAY FOR NECESSARY GROUND TESTS.
4. SUPPORT POST AND UNISTRUT SHALL BE GALVANIZED. PIPE CLAMPS AND HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.
5. TELCO CABINET SHALL BE 36"x48"x10" HOFFMAN OR EQUIVALENT. PROVIDE 3/4" PLYWOOD BACKBOARD INSIDE THE MULTI-TENANT TELCO CABINET.
6. ADJUSTMENTS TO THE METER PEDESTAL DESIGN MAY BE REQUIRED DEPENDING ON THE EXACT METER PANEL INSTALLED. CONTRACTOR SHALL FIELD COORDINATE ADJUSTMENTS AND INFORM THE ENGINEER IF ANY UNUSUAL CONDITIONS ARE FOUND TO EXIST.

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/13/11 | GENERAL REVISIONS |
| 4 | 09/14/11 | REVISED TOWER TYPE |

HHI 16

UTILITY FRAME DETAILS

SITE NAME

DESIGNED: JTG
DRAWN: JTG
CHECKED: PWM

JOB #: TCD125

E-5



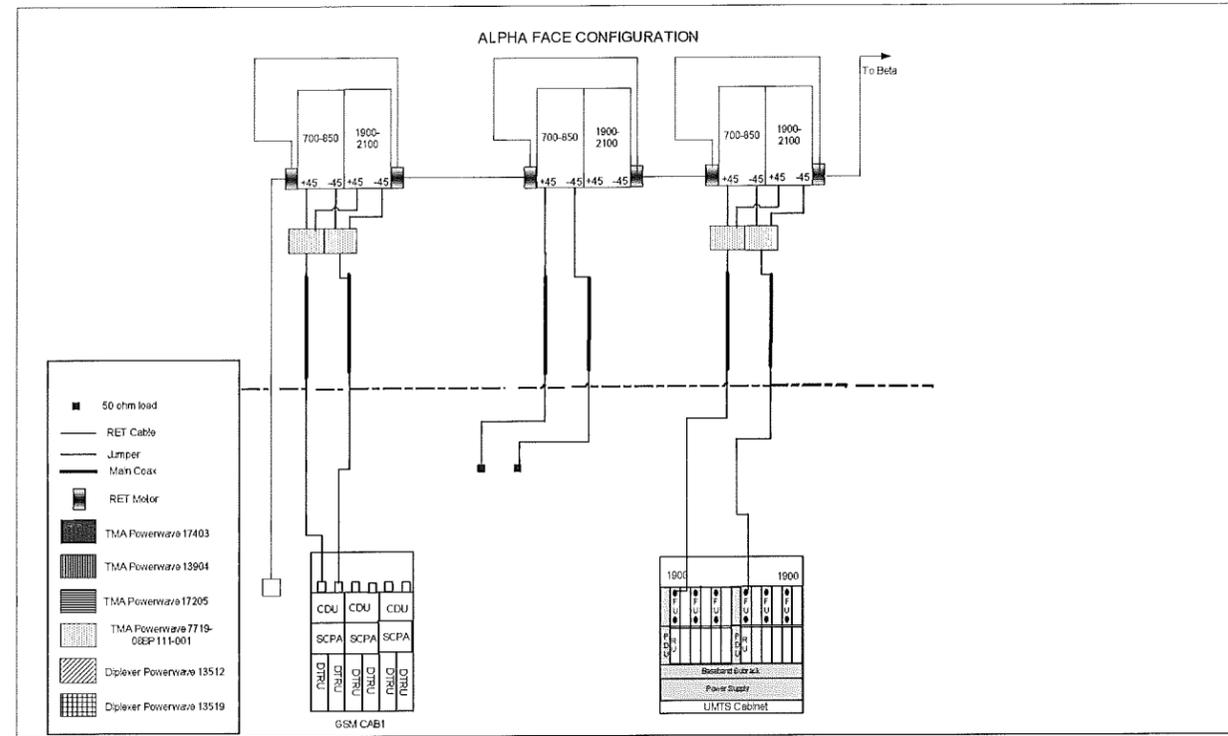
| Section 14F - CURRENT SECTOR/CELL INFORMATION - ALPHA (OR ONNI) | | | | | |
|---|---|---|---|---|---|
| ANTENNA CONFIG (FROM BACK): | ANTENNA 1 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 2 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 3 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 4 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 6 GSM, UMTS (850/1900) or LTE (700/AWS) |
| TX/RX? | | | LTE | | UMTS 1900 |
| TECHNOLOGY | | GSM 1900 | | | |
| RRH LOCATION (Top/Bottom/None) | | | | | |
| FEEDERS TYPE | FXL 1873 PE (1.5/8") | | // 1/65 | | FXL 1873 PE (1.5/8") |
| Feeder Length (feet) | 165 | | | | 165 |
| ANTENNA ATOLL | | | | | |
| ANTENNA MAKE - MODEL | 800-10764 | | 800-10764 | | 800-10764 |
| ANTENNA VENDOR | Kathrein | | Kathrein | | Kathrein |
| ANTENNA SIZE (H x W x D) | | | | | |
| ANTENNA WEIGHT | | | | | |
| ANTENNA GAIN | 17 | | | | 17 |
| AZIMUTH | 60 | | 60 | | 60 |
| RADIATION CENTER (feet) | 145 | | 145 | | 145 |
| ANTENNA TIP HEIGHT | | | | | |
| ELECTRICAL TILT (700/850/1900/AWS) | 2 | | | | 2 |
| MECHANICAL DOWNTILT | 0 | | | | 0 |
| FEEDER AMOUNT | 2 | | 2 | | 2 |
| Antenna RET Motor (QTY/MODEL) | | | | | |
| Antenna RET Splitter (QTY/MODEL) | | | | | |
| Antenna RET Earth (Grounding) Clamp (QTY/MODEL) | | | | | |
| Antenna RET Surge Arrestor (QTY/MODEL) | | | | | |
| Antenna RET CONTROL UNIT (QTY/MODEL) usually per site | x Kathrein RET cable 660-10014 (262#) | | Kathrein RET cable 660-10014 (262#), two | | x Kathrein RET cable 660-10014 (262#) |
| DC BLOCK (QTY/MODEL) | | | | | |
| TMA/NA (TYPE/MODEL) | 1 - TT19-08BP111-001 | | | | 1 - TT19-08BP111-001 |
| CURRENT INJECTORS FOR TMA (QTY/MODEL) | | | | | |
| PDU FOR TMAs (QTY/MODEL) usually per site | | | | | |
| SURGE ARRESTOR (QTY/MODEL) | | | | | |
| DIPLEXER (QTY/MODEL) | | | | | |
| HYBRID COMBINER (QTY/MODEL) | | | | | |
| DUPLEXER (QTY/MODEL) | | | | | |
| FILTER (QTY/MODEL) | | | | | |
| RX KIT MODULE? | | | | | |
| TRIPLEXER or NARROW BAND LLC (QTY/MODEL) | | | | | |
| SCPA/MCPA MODULE? | CCI SCPA 125W | | | | |
| Additional Component1 | | | | | |
| Additional Component2 | | | | | |
| Additional Component3 | | | | | |
| MAGNETIC DECLINATION | | | | | |
| HATCHPLATE POWER (Watts) | 45 | | | | |
| ERP (Watts) | 890 | | | | |
| Local Market Note1 | | | | | |
| Local Market Note2 | | | | | |
| Local Market Note3 | | | | | |

| Section 14B - NEW/PROPOSED SECTOR/CELL INFORMATION - BETA | | | | | |
|---|---|---|---|---|---|
| ANTENNA CONFIG (FROM BACK): | ANTENNA 1 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 2 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 3 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 4 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 5 GSM, UMTS (850/1900) or LTE (700/AWS) |
| TX/RX? | | | LTE | | UMTS 1900 |
| TECHNOLOGY | GSM 850 | GSM 1900 | | | |
| RRH LOCATION (Top/Bottom/None) | | | | | |
| FEEDERS TYPE | FXL 1873 PE (1.5/8") | | // 1/65 | | FXL 1873 PE (1.5/8") |
| Feeder Length (feet) | 165 | | | | 165 |
| ANTENNA ATOLL | | | | | |
| ANTENNA MAKE - MODEL | 800-10764 | | 800-10764 | | 800-10764 |
| ANTENNA VENDOR | Kathrein | | Kathrein | | Kathrein |
| ANTENNA SIZE (H x W x D) | | | | | |
| ANTENNA WEIGHT | | | | | |
| ANTENNA GAIN | 17 | | | | 17 |
| AZIMUTH | 180 | | 180 | | 180 |
| RADIATION CENTER (feet) | 145 | | 145 | | 145 |
| ANTENNA TIP HEIGHT | | | | | |
| ELECTRICAL TILT (700/850/1900/AWS) | 2 | | | | 2 |
| MECHANICAL DOWNTILT | 0 | | | | 0 |
| FEEDER AMOUNT | 2 | | 2 | | 2 |
| Antenna RET Motor (QTY/MODEL) | | | | | |
| Antenna RET Splitter (QTY/MODEL) | | | | | |
| Antenna RET Earth (Grounding) Clamp (QTY/MODEL) | | | | | |
| Antenna RET Surge Arrestor (QTY/MODEL) | | | | | |
| Antenna RET CONTROL UNIT (QTY/MODEL) usually per site | x Kathrein RET cable 660-10014 (262#) | | Kathrein RET cable 660-10014 (262#), two | | x Kathrein RET cable 660-10014 (262#) |
| DC BLOCK (QTY/MODEL) | | | | | |
| TMA/NA (TYPE/MODEL) | 1 - TT19-08BP111-001 | | | | 1 - TT19-08BP111-001 |
| CURRENT INJECTORS FOR TMA (QTY/MODEL) | | | | | |
| PDU FOR TMAs (QTY/MODEL) usually per site | | | | | |
| SURGE ARRESTOR (QTY/MODEL) | | | | | |
| DIPLEXER (QTY/MODEL) | | | | | |
| HYBRID COMBINER (QTY/MODEL) | | | | | |
| DUPLEXER (QTY/MODEL) | | | | | |
| FILTER (QTY/MODEL) | | | | | |
| RX KIT MODULE? | | | | | |
| TRIPLEXER or NARROW BAND LLC (QTY/MODEL) | | | | | |
| SCPA/MCPA MODULE? | CCI SCPA 125W | | | | |
| Additional Component1 | | | | | |
| Additional Component2 | | | | | |
| Additional Component3 | | | | | |
| MAGNETIC DECLINATION | | | | | |
| HATCHPLATE POWER (Watts) | 45 | | | | |
| ERP (Watts) | 890 | | | | |
| Local Market Note1 | | | | | |
| Local Market Note2 | | | | | |
| Local Market Note3 | | | | | |

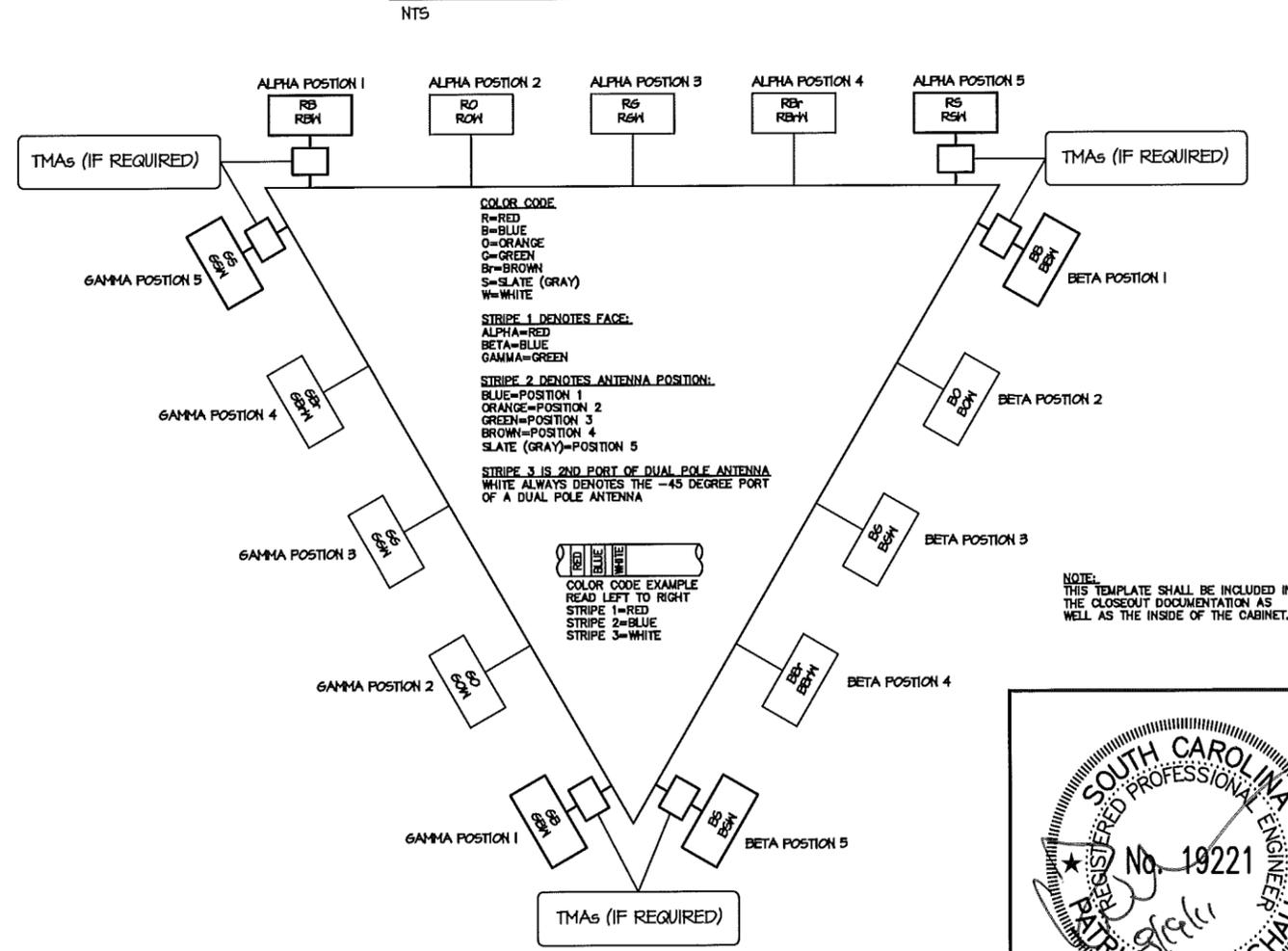
| Section 14C - NEW/PROPOSED SECTOR/CELL INFORMATION - GAMMA | | | | | |
|--|---|---|---|---|---|
| ANTENNA CONFIG (FROM BACK): | ANTENNA 1 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 2 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 3 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 4 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 5 GSM, UMTS (850/1900) or LTE (700/AWS) |
| TX/RX? | | | LTE | | UMTS 1900 |
| TECHNOLOGY | GSM 850 | GSM 1900 | | | |
| RRH LOCATION (Top/Bottom/None) | | | | | |
| FEEDERS TYPE | FXL 1873 PE (1.5/8") | | // 1/65 | | FXL 1873 PE (1.5/8") |
| Feeder Length (feet) | 165 | | | | 165 |
| ANTENNA ATOLL | | | | | |
| ANTENNA MAKE - MODEL | 800-10764 | | 800-10764 | | 800-10764 |
| ANTENNA VENDOR | Kathrein | | Kathrein | | Kathrein |
| ANTENNA SIZE (H x W x D) | | | | | |
| ANTENNA WEIGHT | | | | | |
| ANTENNA GAIN | 17 | | | | 17 |
| AZIMUTH | 300 | | 300 | | 300 |
| RADIATION CENTER (feet) | 145 | | 145 | | 145 |
| ANTENNA TIP HEIGHT | | | | | |
| ELECTRICAL TILT (700/850/1900/AWS) | 2 | | | | 2 |
| MECHANICAL DOWNTILT | 0 | | | | 0 |
| FEEDER AMOUNT | 2 | | 2 | | 2 |
| Antenna RET Motor (QTY/MODEL) | | | | | |
| Antenna RET Splitter (QTY/MODEL) | | | | | |
| Antenna RET Earth (Grounding) Clamp (QTY/MODEL) | | | | | |
| Antenna RET Surge Arrestor (QTY/MODEL) | | | | | |
| Antenna RET CONTROL UNIT (QTY/MODEL) usually per site | x Kathrein RET cable 660-10014 (262#) | | Kathrein RET cable 660-10014 (262#), two | | x Kathrein RET cable 660-10014 (262#) |
| DC BLOCK (QTY/MODEL) | | | | | |
| TMA/NA (TYPE/MODEL) | 1 - TT19-08BP111-001 | | | | 1 - TT19-08BP111-001 |
| CURRENT INJECTORS FOR TMA (QTY/MODEL) | | | | | |
| PDU FOR TMAs (QTY/MODEL) usually per site | | | | | |
| SURGE ARRESTOR (QTY/MODEL) | | | | | |
| DIPLEXER (QTY/MODEL) | | | | | |
| HYBRID COMBINER (QTY/MODEL) | | | | | |
| DUPLEXER (QTY/MODEL) | | | | | |
| FILTER (QTY/MODEL) | | | | | |
| RX KIT MODULE? | | | | | |
| TRIPLEXER or NARROW BAND LLC (QTY/MODEL) | | | | | |
| SCPA/MCPA MODULE? | CCI SCPA 125W | | | | |
| Additional Component1 | | | | | |
| Additional Component2 | | | | | |
| Additional Component3 | | | | | |
| MAGNETIC DECLINATION | | | | | |
| HATCHPLATE POWER (Watts) | 45 | | | | |
| ERP (Watts) | 890 | | | | |
| Local Market Note1 | | | | | |
| Local Market Note2 | | | | | |
| Local Market Note3 | | | | | |

| Section 14D - NEW/PROPOSED SECTOR/CELL INFORMATION - DELTA | | | | | |
|--|---|---|---|---|---|
| ANTENNA CONFIG (FROM BACK): | ANTENNA 1 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 2 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 3 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 4 GSM, UMTS (850/1900) or LTE (700/AWS) | ANTENNA 5 GSM, UMTS (850/1900) or LTE (700/AWS) |
| TX/RX? | | | LTE | | UMTS 1900 |
| TECHNOLOGY | GSM 850 | GSM 1900 | | | |
| RRH LOCATION (Top/Bottom/None) | | | | | |
| FEEDERS TYPE | FXL 1873 PE (1.5/8") | | // 1/65 | | FXL 1873 PE (1.5/8") |
| Feeder Length (feet) | 165 | | | | 165 |
| ANTENNA ATOLL | | | | | |
| ANTENNA MAKE - MODEL | 800-10764 | | 800-10764 | | 800-10764 |
| ANTENNA VENDOR | Kathrein | | Kathrein | | Kathrein |
| ANTENNA SIZE (H x W x D) | | | | | |
| ANTENNA WEIGHT | | | | | |
| ANTENNA GAIN | 17 | | | | 17 |
| AZIMUTH | 300 | | 300 | | 300 |
| RADIATION CENTER (feet) | 145 | | 145 | | 145 |
| ANTENNA TIP HEIGHT | | | | | |
| ELECTRICAL TILT (700/850/1900/AWS) | 2 | | | | 2 |
| MECHANICAL DOWNTILT | 0 | | | | 0 |
| FEEDER AMOUNT | 2 | | 2 | | 2 |
| Antenna RET Motor (QTY/MODEL) | | | | | |
| Antenna RET Splitter (QTY/MODEL) | | | | | |
| Antenna RET Earth (Grounding) Clamp (QTY/MODEL) | | | | | |
| Antenna RET Surge Arrestor (QTY/MODEL) | | | | | |
| Antenna RET CONTROL UNIT (QTY/MODEL) usually per site | x Kathrein RET cable 660-10014 (262#) | | Kathrein RET cable 660-10014 (262#), two | | x Kathrein RET cable 660-10014 (262#) |
| DC BLOCK (QTY/MODEL) | | | | | |
| TMA/NA (TYPE/MODEL) | 1 - TT19-08BP111-001 | | | | 1 - TT19-08BP111-001 |
| CURRENT INJECTORS FOR TMA (QTY/MODEL) | | | | | |
| PDU FOR TMAs (QTY/MODEL) usually per site | | | | | |
| SURGE ARRESTOR (QTY/MODEL) | | | | | |
| DIPLEXER (QTY/MODEL) | | | | | |
| HYBRID COMBINER (QTY/MODEL) | | | | | |
| DUPLEXER (QTY/MODEL) | | | | | |
| FILTER (QTY/MODEL) | | | | | |
| RX KIT MODULE? | | | | | |
| TRIPLEXER or NARROW BAND LLC (QTY/MODEL) | | | | | |
| SCPA/MCPA MODULE? | CCI SCPA 125W | | | | |
| Additional Component1 | | | | | |
| Additional Component2 | | | | | |
| Additional Component3 | | | | | |
| MAGNETIC DECLINATION | | | | | |
| HATCHPLATE POWER (Watts) | 45 | | | | |
| ERP (Watts) | 890 | | | | |
| Local Market Note1 | | | | | |
| Local Market Note2 | | | | | |
| Local Market Note3 | | | | | |

RFDS



TYPICAL ANTENNA CABLE CONFIGURATION



COAX COLOR CODE TEMPLATE



30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

AMERICAN TOWER CORPORATION

900 CIRCLE 15 PARKWAY
SUITE 300
ATLANTA, GA 30384

| NUM | DATE | DESCRIPTION: |
|-----|----------|-------------------------|
| 0 | 11/2/10 | ISSUED FOR CONSTRUCTION |
| 1 | 04/14/11 | ADDED LANDSCAPE PLAN |
| 2 | 04/26/11 | REVISED LANDSCAPE PLAN |
| 3 | 05/29/11 | GENERAL REVISIONS |
| 4 | 08/14/11 | REVISED TOWER TYPE |

HHI 16

**COAX COLOR CODE
TEMPLATE & RFDS**

| | |
|-----------|--------|
| DESIGNED: | JTG |
| DRAWN: | JTG |
| CHECKED: | PWM |
| JOB #: | TCD125 |

E-6

DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)
and do NOT constitute DRB approval or denial.*

PROJECT NAME: Cell Tower-1005 Marshland Road

DRB#: DR110022

DATE: September 13, 2011

RECOMMENDATION: Approval Approval with Conditions Denial

ARCHITECTURAL DESIGN

The applicant wishes to resubmit the previously approved tower project, eliminating the false tree elements as camouflage. This will now be a standard looking tower, similar examples of which can be found elsewhere on the island. The tower is below the height requirements for any strobe lighting.

| DESIGN GUIDE/LMO CRITERIA | Complies Yes | No | Not Applicable | Comments or Conditions |
|---|--------------------------|--------------------------|--------------------------|------------------------|
| Structure is designed to be appropriate to the neighborhood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Promotes pedestrian scale and circulation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Design is unobtrusive and set into the natural environment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Utilizes natural materials and colors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Avoids distinctive vernacular styles | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Design is appropriate for its use | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| All facades are have equal design characteristics | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Avoids monotonous planes or unrelieved repetition | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Has a strong roof form with enough variety to provide visual interest | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Minimum roof pitch of 6/12 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|---|--------------------------|--------------------------|--------------------------|--|
| Overhangs are sufficient for the façade height. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Forms and details are sufficient to reduce the mass of the structure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Human scale is achieved by the use of proper proportions and architectural elements | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Utilizes a variety of materials, textures and colors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Incorporates wood or wood simulating materials | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Windows are in proportion to the facade | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Details are clean, simple and appropriate while avoiding excessive ornamentation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Utilities and equipment are concealed from view | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Decorative lighting is limited and low wattage and adds to the visual character | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Accessory elements are design to coordinate with the primary structure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

LANDSCAPE DESIGN
Previously approved

| DESIGN GUIDE/LMO CRITERIA | Complies Yes | No | Not Applicable | Comments or Conditions |
|---|--------------------------|--------------------------|--------------------------|-------------------------------|
| Treats the Landscape as a major element of the project | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Provides Landscaping of a scope and size that is in proportion to the scale of the development | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Landscape is designed so that it may be maintained in its natural shape and size | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Preserves a variety of existing native trees and shrubs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Provides for a harmonious setting for the site's structures, parking areas or other construction | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Location of existing trees and new trees provides street buffers, mitigation for parking lots, and an architectural complement that visually mitigates between parking lots and building(s) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Shrubs are selected to complement the natural setting, provide visual interest and screen less desirable elements of the project | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| A variety of species is selected for texture and color | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Provides overall order and continuity of the Landscape plan | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|--|-------------------------------------|--------------------------|--------------------------|--|
| Native plants or plants that have historically been prevalent on the Island are utilized | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| A variety of sizes is selected to create a “layered” appearance for visual interest and a sense of depth | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Proper spacing and location for plants to reach their mature size and natural shape while avoiding excessive or unnatural pruning | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Proposed groundcovers are evergreen species with low maintenance needs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Large grassed lawn areas encompassing a major portion of the site are avoided | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Ornamentals and Annuals are limited to entrances and other focal points | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

NATURAL RESOURCE PROTECTION
Previously approved

| DESIGN GUIDE/LMO CRITERIA | Complies Yes | No | Not Applicable | Comments or Conditions |
|---|--------------------------|--------------------------|--------------------------|-------------------------------|
| An effort has been made to preserve existing trees and under story plants | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Supplemental and replacement trees meet LMO requirements for size, species and number | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Wetlands if present are avoided and the required buffers are maintained | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Sand dunes if present are not disturbed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

MISC COMMENTS/QUESTIONS

| |
|--|
| |
| |
| |
| |



■ NARRATIVE

The mission of the Owner in this project is 3-fold:

1. Bring more natural daylight into the front dining room.
2. Make the business more accessible to the central area where the three adjacent restaurants converge.
3. Improve the overall appearance of the front exterior.

The mission will be accomplished by adding a real wood overhead door at the front of the Lodge. During times of good weather, the 8' x 8' door will be opened to make the restaurant more appealing and inviting.

Second, the metal siding flanking the entrance will be replaced with wood board and battens.

It is important to maintain the design aesthetic of the front elevation. To that extent, we propose:

- a) Move the right 'shutter' (which is actually an antique set of doors) to the far right,
- b) Add more of the round 10"Ø lodge poles,
- c) Limit the color palette to these three elements:
 - The wood stain of the door
 - The reddish stain of the window trim
 - The rock wainscot,
- d) Recognize the cross buck of the front door as a design element, and reuse it where possible to unify the overall design.

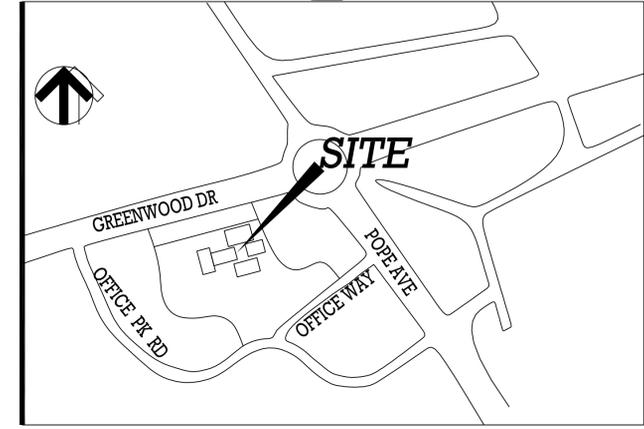
The door, windows, left shutter and associated elements will be left in place. While making the improvements, we will balance it all by moving the *LODGE* sign from the right to the left side.





The Logo Rock

EXISTING FRONT

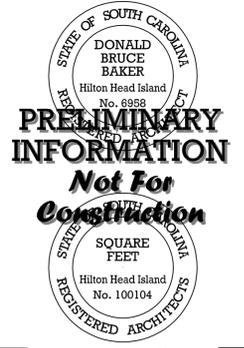


Vicinity Map

SQUARE FEET

Don Baker, AIA
 10 East Garrison Place
 Hilton Head, SC 29928
 843-363-3663
 843-290-6666
 843-363-6888

squarefeet@adelphia.net
 HHI Bus Lic. # BLN0400739



PRELIMINARY INFORMATION
 Not For Construction

Exterior Improvements to:
The LODGE
 Hilton Head Plaza
 Greenwood Drive @ Sea Pines Circle
 Hilton Head Island, SC 29928

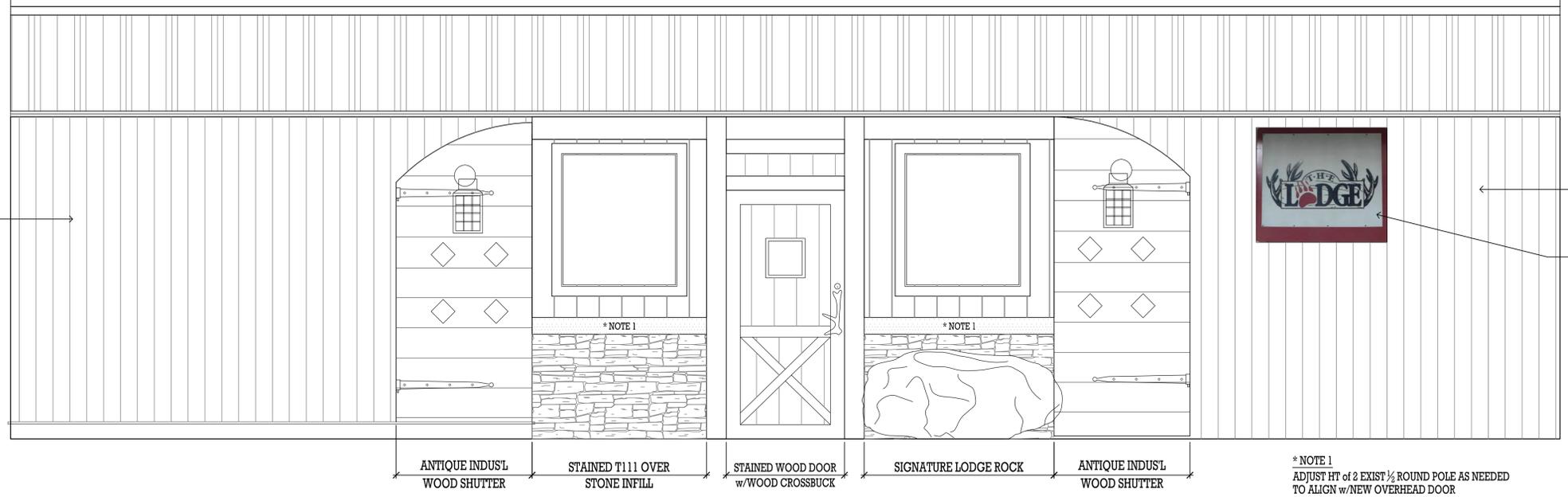
Copyright 2011, by Square Feet
 Note: All ideas, concepts, and designs described herein being solely to the designer named on this page. These ideas, concepts, and designs are to be used only on this project. Any other use constitutes fraud, and the author of these drawings will prosecute any violators to the fullest extent of the law. Likewise the author of these drawings can not be held responsible for any unauthorized use of these drawings.

Project Number LXF
 Issue Date 29 August 2011
 Issuance HHI DRB

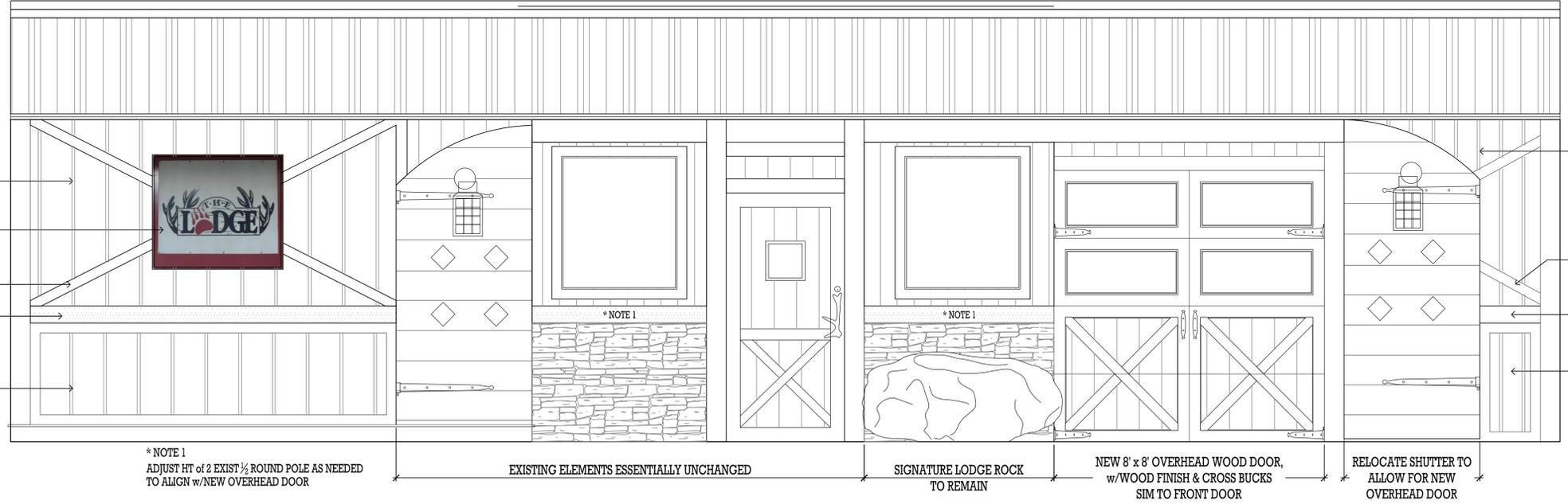
Revisions:
 1. 29 Aug 2011 HHI DRB
 2.
 3.
 4.
 5.

Sheet Title:
 FRONT ELEVATION

SHEET



PROPOSED FRONT



DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)
and do NOT constitute DRB approval or denial.*

PROJECT NAME: The Lodge- Minor External Change

DRB#: DR110033

DATE: September 13, 2011

RECOMMENDATION: Approval Approval with Conditions Denial

ARCHITECTURAL DESIGN

The applicant has reworked the storefront to incorporate board and batten siding, and honor the existing details and trim work in the door as a unifying element. Consolidating the finishes by staining everything to match existing goes a long way to meeting the Board’s request to tie together the proposed storefront modifications.

| DESIGN GUIDE/LMO CRITERIA | Complies Yes | No | Not Applicable | Comments or Conditions |
|---|--------------------------|--------------------------|--------------------------|------------------------|
| Structure is designed to be appropriate to the neighborhood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Promotes pedestrian scale and circulation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Design is unobtrusive and set into the natural environment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Utilizes natural materials and colors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Avoids distinctive vernacular styles | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Design is appropriate for its use | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| All facades are have equal design characteristics | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Avoids monotonous planes or unrelieved repetition | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Has a strong roof form with enough variety to provide visual interest | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Minimum roof pitch of 6/12 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|---|--------------------------|--------------------------|--------------------------|--|
| Overhangs are sufficient for the façade height. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Forms and details are sufficient to reduce the mass of the structure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Human scale is achieved by the use of proper proportions and architectural elements | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Utilizes a variety of materials, textures and colors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Incorporates wood or wood simulating materials | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Windows are in proportion to the facade | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Details are clean, simple and appropriate while avoiding excessive ornamentation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Utilities and equipment are concealed from view | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Decorative lighting is limited and low wattage and adds to the visual character | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Accessory elements are design to coordinate with the primary structure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

LANDSCAPE DESIGN

| DESIGN GUIDE/LMO CRITERIA | Complies Yes | No | Not Applicable | Comments or Conditions |
|---|--------------------------|--------------------------|--------------------------|-------------------------------|
| Treats the Landscape as a major element of the project | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Provides Landscaping of a scope and size that is in proportion to the scale of the development | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Landscape is designed so that it may be maintained in its natural shape and size | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Preserves a variety of existing native trees and shrubs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Provides for a harmonious setting for the site's structures, parking areas or other construction | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Location of existing trees and new trees provides street buffers, mitigation for parking lots, and an architectural complement that visually mitigates between parking lots and building(s) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Shrubs are selected to complement the natural setting, provide visual interest and screen less desirable elements of the project | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| A variety of species is selected for texture and color | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Provides overall order and continuity of the Landscape plan | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | |
|--|-------------------------------------|--------------------------|--------------------------|--|
| Native plants or plants that have historically been prevalent on the Island are utilized | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| A variety of sizes is selected to create a “layered” appearance for visual interest and a sense of depth | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Proper spacing and location for plants to reach their mature size and natural shape while avoiding excessive or unnatural pruning | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Proposed groundcovers are evergreen species with low maintenance needs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Large grassed lawn areas encompassing a major portion of the site are avoided | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Ornamentals and Annuals are limited to entrances and other focal points | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

NATURAL RESOURCE PROTECTION

| DESIGN GUIDE/LMO CRITERIA | Complies Yes | No | Not Applicable | Comments or Conditions |
|---|--------------------------|--------------------------|--------------------------|-------------------------------|
| An effort has been made to preserve existing trees and under story plants | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Supplemental and replacement trees meet LMO requirements for size, species and number | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Wetlands if present are avoided and the required buffers are maintained | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Sand dunes if present are not disturbed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

MISC COMMENTS/QUESTIONS

| |
|--|
| |
| |
| |
| |
| |