This drawing and the design it covers are the property of BECHTEL. They are merely loaned and on the borrower's express agreement that they will not be reproduced, copied, loaned, exhibited, or used except in the limited way and private use permitted by any written consent given by the lender to the borrower.

AT&T

AT&T WIRELESS SERVICES, L.L.C.

SITE NUMBER: FP-30

SITE NAME: W. FORT PIERCE

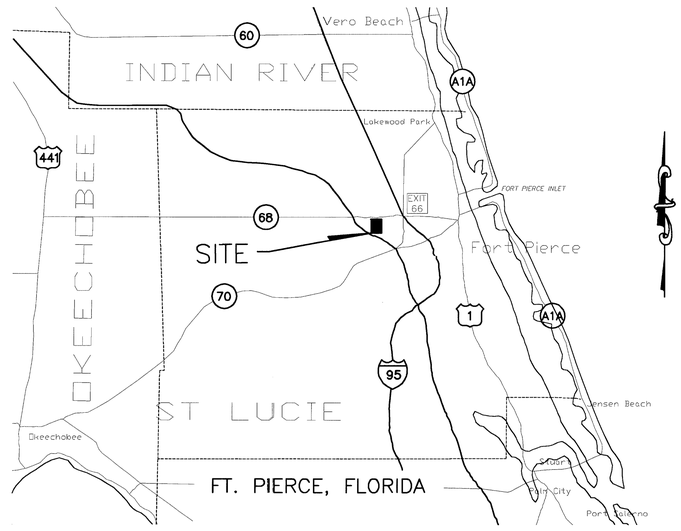
DRAWING INDEX

	REV.
4SF-FP30-Z01 TITLE SHEET	0
4SF-FP30-Z02 SITE PLAN	0
4SF-FP30-Z03 CO-LOCATE COMPOUND LAYOUT PLAN & ELEV VIEW	0
4SF-FP30-Z04 LANDSCAPING PLAN & DETAILS	0

DIRECTIONS

TAKE I-95 NORTH TO EXIT 66B (SR-68 W. ORANGE AVE),
TAKE SR-68 WEST, SITE IS ON THE LEFT SIDE OF SR-68

VICINITY MAP



SCALE: NTS

PROJECT INFORMATION

SCOPE OF WORK:	AN UNMANNED TELECOMMUNICATIONS FACILITY IMPROVEMENT
SITE ADDRESS:	8107 ORANGE AVE. FT. PIERCE, FL 34945
PROPERTY OWNER:	CROWN COMMUNICATIONS,INC 5201 CONGRESS AVENUE BOCA RATON, FL 33478
CONTACT PERSON:	LISA SWIFT TEL. (561) 221-2128
APPLICANT:	AT&T WIRELESS SERVICES 3405 FOREST HILL BLVD. W. PALM BEACH, FLORIDA 33406 TEL. (561) 432-6483
LATITUDE:	27'-26'-24" N (NAD 27)
LONGITUDE:	80'-24'-46" W (NAD 27)
ELEVATION:	20.89 FT.
JURISDICTION:	ST. LUCIE COUNTY
TAX I.D. NUMBER:	
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY

SITE PLAN
MINOR REVISION (S)
APPROVED
DATE: 2-9-01
SPTRC REP.

PRELIMINARY
NOT FOR CONSTRUCTION

The purpose of this adjustment is to provide for additional telecommunications equipment on an existing 250 foot tower. This adjustment is for AT & T Wireless Services equipment *only*.

SITE QUALIFICATION PARTICIPANTS

	NAME	COMPANY	NUMBER
A/E	MARK RICHTER, PE	SITE TECH SERVICES	(813) 282-4855
SAC	RICHARD BOGATIN	BECHTEL	(561) 967-9964
RF	DON PITTMAN	AT&T	(561) 432-6483
CON	RON EANS	BECHTEL	(561) 242-5075
LANDLORD	CROWN COMMUNICATIONS, INC.	N/A	(941) 423-3159
OTHER	N/A	N/A	N/A

RECEIVED
DEC - 8 2000
COMMUNITY DEVELOPMENT
ST. LUCIE COUNTY

STS WIRELESS
5440 MARINER ST
SUITE 219
TAMPA, FL 33609
PHN (813) 282-4855
FAX (813) 282-8254

W. FT. PIERCE
SITE NO. FP-30
8107 ORANGE AVE.
FT. PIERCE, FL. 34945

AT&T
AT&T WIRELESS SERVICES, INC.
3405 FOREST HILL BLVD.
W. PALM BEACH, FLORIDA 33406

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	11/15/00	ISSUE FOR CONSTRUCTION/PERMIT	RLD	CR	MR
A	10/03/00	ISSUE FOR REVIEW & COMMENT			

SCALE AS SHOWN | DESIGNED | DRAWN

MARK V. RICHTER
FL P.E. 56196

STS WIRELESS
9913-42

TITLE SHEET

STS WIRELESS	JOB NO.	DRAWING NUMBER	REV
	24445	4SF- FP30-Z01	0

615

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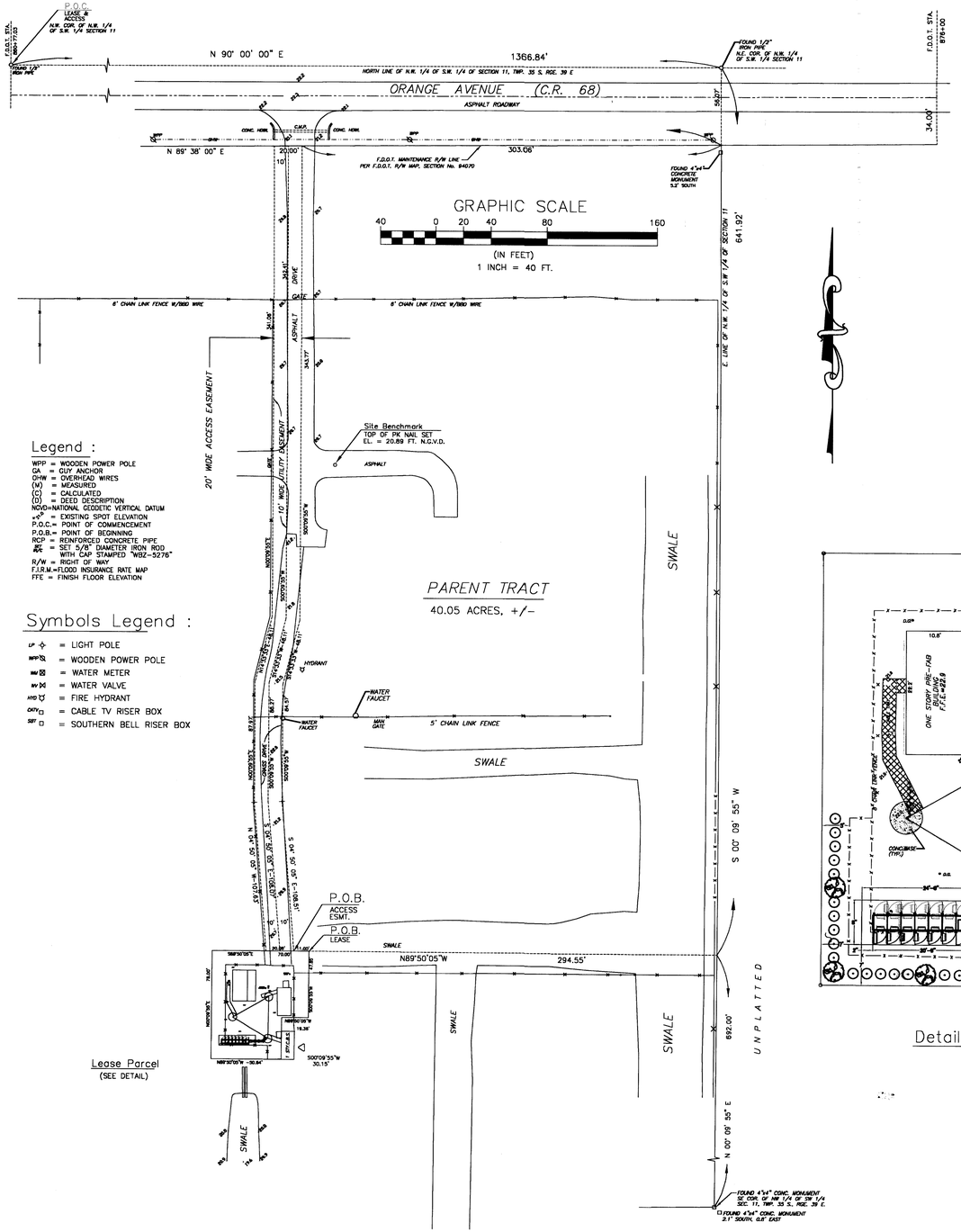

Legend :

WPP = WOODEN POWER POLE
GA = GUY ANCHOR
OHW = OVERHEAD WIRES
(M) = MEASURED
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(D) = DEED DESCRIPTION
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= SET 5/8" DIAMETER IRON ROD WITH CAP STAMPED "WDZ-5276"
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F.I.R.M.=FLOOD INSURANCE RATE MAP
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Symbols Legend :

= LIGHT POLE
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= FIRE HYDRANT
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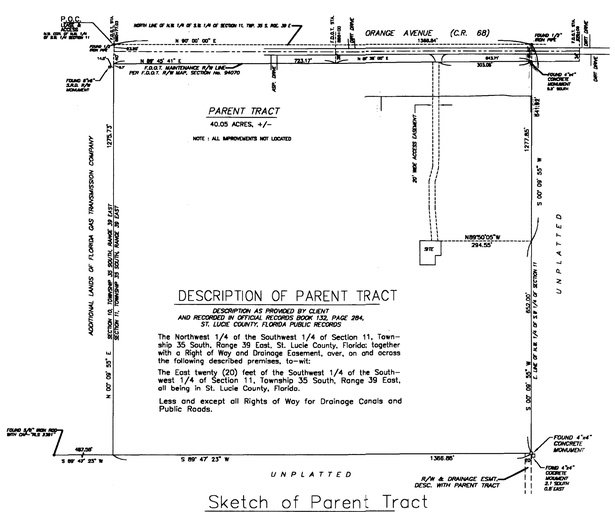
= SOUTHERN BELL RISER BOX



DESCRIPTION OF PARENT TRACT

DESCRIPTION AS PROVIDED BY CLIENT AND RECORDED IN OFFICIAL RECORDS BOOK 133, PAGE 284, ST. LUCIE COUNTY, FLORIDA PUBLIC RECORDS

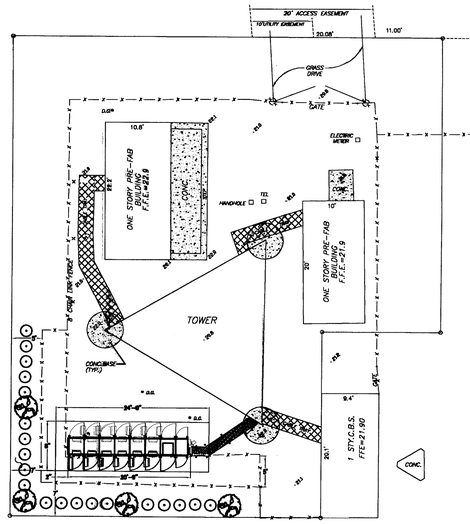
The Northwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, St. Lucie County, Florida; together with a Right of Way and Drainage Easement, over, on and across the following described premises, to-wit:

The East twenty (20) feet of the Southwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, all being in St. Lucie County, Florida.

Less and except all Rights of Way for Drainage Canals and Public Roads.

Sketch of Parent Tract

SCALE : 1" = 200'



Detail of Lease Parcel Area

SCALE : 1" = 10'

DESCRIPTION OF MAIN LEASE PARCEL

A parcel of land being a portion of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, St. Lucie County, Florida, said parcel being more particularly described as follows:

Commencing at a 1/2" diameter iron pipe at the Northwest corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; proceed North 90° 00' 00" East along the North line thereof a distance of 1366.84 feet to a 1/2" diameter iron pipe at the Northeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence South 00° 09' 55" West along the East line of said Northwest 1/4 of the Southwest 1/4 of Section 11 a distance of 641.92 feet, said point being distant North 00° 09' 55" East, 692.00 feet from a 4"x4" concrete monument at the Southeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence North 89° 50' 05" West a distance of 294.55 feet to the POINT OF BEGINNING; thence South 00° 09' 55" West a distance of 47.85 feet; thence North 89° 50' 05" West a distance of 19.36 feet; thence South 00° 09' 55" West a distance of 30.15 feet; thence North 89° 50' 05" West a distance of 50.64 feet; thence North 00° 09' 55" East a distance of 78.00 feet; thence South 89° 50' 05" East a distance of 70.00 feet to the POINT OF BEGINNING.

Containing an area of 4,876.3 square feet.

DESCRIPTION OF ACCESS EASEMENT

A parcel of land being a portion of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, St. Lucie County, Florida, said parcel being more particularly described as follows:

Commencing at a 1/2" diameter iron pipe at the Northwest corner of said Northwest 1/4 of the Southwest 1/4 of Section 11, proceed North 90° 00' 00" East along the North line thereof a distance of 1366.84 feet to a 1/2" diameter iron pipe at the Northeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence South 00° 09' 55" West along the East line of said Northwest 1/4 of the Southwest 1/4 of Section 11 a distance of 641.92 feet, said point being distant North 00° 09' 55" East, 692.00 feet from a 4"x4" concrete monument at the Southeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence North 89° 50' 05" West a distance of 294.55 feet; thence continue North 89° 50' 05" West a distance of 11.00 feet to the POINT OF BEGINNING; thence continue North 89° 50' 05" West a distance of 20.08 feet; thence North 04° 50' 05" West a distance of 107.63 feet; thence North 00° 09' 55" East a distance of 87.97 feet; thence North 14° 33' 33" East a distance of 48.11 feet; thence North 00° 09' 55" East a distance of 341.06 feet to a point on the South right of way line of Orange Avenue (C.R. 68), said right of way line being a maintenance right of way line as shown on F.D.O.T. right of way map, Section No. 9407.0, dated 3-5-81; thence North 89° 38' 00" East along said maintenance right of way line a distance of 20.00 feet; thence departing said right of way line, South 00° 09' 55" West a distance of 343.77 feet; thence South 14° 33' 33" West a distance of 48.11 feet; thence South 00° 09' 55" West a distance of 84.57 feet; thence South 04° 50' 05" East a distance of 108.51 feet to the POINT OF BEGINNING.

Containing an area of 11,697 square feet.

DESCRIPTION OF UTILITY EASEMENT

A parcel of land being a portion of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, St. Lucie County, Florida, said parcel being more particularly described as follows:

Commencing at a 1/2" diameter iron pipe at the Northwest corner of said Northwest 1/4 of the Southwest 1/4 of Section 11, proceed North 90° 00' 00" East along the North line thereof a distance of 1366.84 feet to a 1/2" diameter iron pipe at the Northeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence South 00° 09' 55" West along the East line of said Northwest 1/4 of the Southwest 1/4 of Section 11 a distance of 641.92 feet, said point being distant North 00° 09' 55" East, 692.00 feet from a 4"x4" concrete monument at the Southeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence North 89° 50' 05" West a distance of 294.55 feet; thence continue North 89° 50' 05" West a distance of 11.00 feet; thence North 04° 50' 05" West a distance of 108.51 feet; thence North 84° 50' 05" West a distance of 64.57 feet; thence North 00° 09' 55" West a distance of 84.57 feet; thence North 14° 33' 33" East a distance of 48.11 feet; thence North 00° 09' 55" East a distance of 341.06 feet to a point on the South right of way line of Orange Avenue (C.R. 68), said right of way line being a maintenance right of way line as shown on F.D.O.T. right of way map, Section No. 9407.0, dated 3-5-81; thence North 89° 38' 00" East along said maintenance right of way line a distance of 10.00 feet; thence departing said right of way line, South 00° 09' 55" West a distance of 342.41 feet; thence South 14° 33' 33" West a distance of 48.11 feet; thence South 00° 09' 55" West a distance of 86.27 feet; thence South 04° 50' 05" East a distance of 108.07 feet to the POINT OF BEGINNING.

Containing an area of 5,848 square feet.

DESCRIPTION OF ATTWS LEASE PARCEL

A parcel of land being a portion of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, St. Lucie County, Florida, said parcel being more particularly described as follows:

Commencing at a 1/2" diameter iron pipe at the Northwest corner of said Northwest 1/4 of the Southwest 1/4 of Section 11, proceed North 90° 00' 00" East along the North line thereof a distance of 1366.8 feet to a 1/2" diameter iron pipe at the Northeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence South 00° 09' 55" West along the East line of said Northwest 1/4 of the Southwest 1/4 of Section 11 a distance of 641.92 feet, said point being distant North 00° 09' 55" East, 692.00 feet from a 4"x4" concrete monument at the Southeast corner of said Northwest 1/4 of the Southwest 1/4 of Section 11; thence North 89° 50' 05" West a distance of 364.55 feet; thence South 30° 09' 55" West a distance of 65.00 feet; thence South 89° 50' 05" East a distance of 5.00 feet to the POINT OF BEGINNING; thence continue South 89° 50' 05" East a distance of 25.00 feet; thence South 00° 09' 55" West a distance of 8.00 feet; thence North 89° 50' 05" West a distance of 25.00 feet; thence North 00° 09' 55" East a distance of 8.00 feet to the POINT OF BEGINNING.

Containing an area of 200 square feet.

Notes :

1. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
2. BASIS OF BEARINGS IS ASSUMED, HOLDING THE MONUMENTED NORTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 11, TOWNSHIP 35 SOUTH, RANGE 38 EAST AS BEARING NORTH 90° 00' 00" EAST.
3. ELEVATIONS SHOWN HEREON ARE BASED ON ST. LUCIE COUNTY G.P.S. MONUMENT "MIKE 1991", HAVING AN ELEVATION OF 22.69 FEET N.G.V.D.
4. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF WAY OR EASEMENTS OF RECORD.
5. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
6. UNDERGROUND UTILITIES AND IMPROVEMENTS NOT LOCATED.
7. BOUNDARY SURVEY IS LIMITED TO ATTWS LEASE PARCEL SHOWN HEREON.
8. TOPOGRAPHIC SURVEY IS LIMITED TO SPOT ELEVATIONS SHOWN HEREON, TO PROVIDE BASE INFORMATION FOR LEASE PARCEL AND ACCESS EASEMENT.
9. SURVEY SITE LIES IN FLOOD ZONE "X" PER F.I.R.M. No. 12111C0175 F, DATED AUGUST 19, 1991.

The purpose of this adjustment is to provide for additional telecommunications equipment on an existing 250 foot tower. This adjustment is for AT & T Wireless Services equipment ***only***.

SITE PLAN
MINOR REVISION (S)
APPROVED
DATE: 2.9.01
SPTRC REP.

PRELIMINARY NOT FOR CONSTRUCTION

RECEIVED
DEC 8 2000
COMMUNITY DEVELOPMENT
ST. LUCIE COUNTY, FL.

NOTE: THIS SHEET IS PRESENTED FOR REFERENCE ONLY AND IS NOT A CERTIFIED SERVEY.

STS WIRELESS
5440 MARINER ST
SUITE 219
TAMPA, FL 33609
PHN (813) 282-4855
FAX (813) 282-8254

W. FT. PIERCE
SITE NO. FP-30
8107 ORANGE AVE.
FT. PIERCE, FL. 34945

AT&T
AT&T WIRELESS SERVICES, INC.
3405 FOREST HILL BLVD.
W. PALM BEACH, FLORIDA 33406

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	11/15/00	ISSUE FOR CONSTRUCTION/PERMIT			
A	10/03/00	ISSUE FOR REVIEW & COMMENT	RLD	CR	MR

SCALE AS SHOWN | DESIGNED | DRAWN

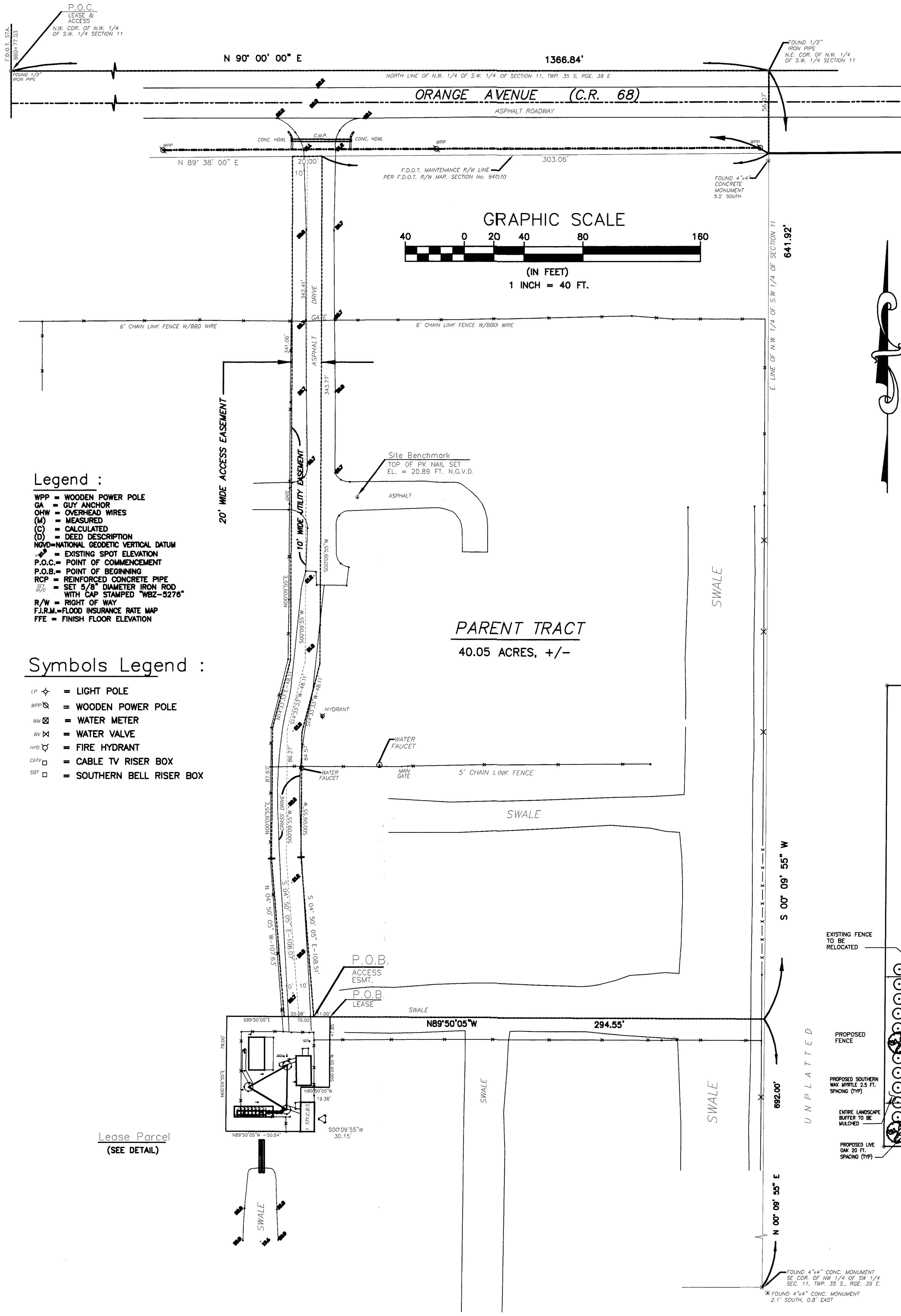
MARK V. RICHTER
FL. P.E. 56196
11/16/2000

STS WIRELESS
9913-42

SITE PLAN

JOB NO.	DRAWING NUMBER	REV
24445	4SF-FP30-ZO1	0

615



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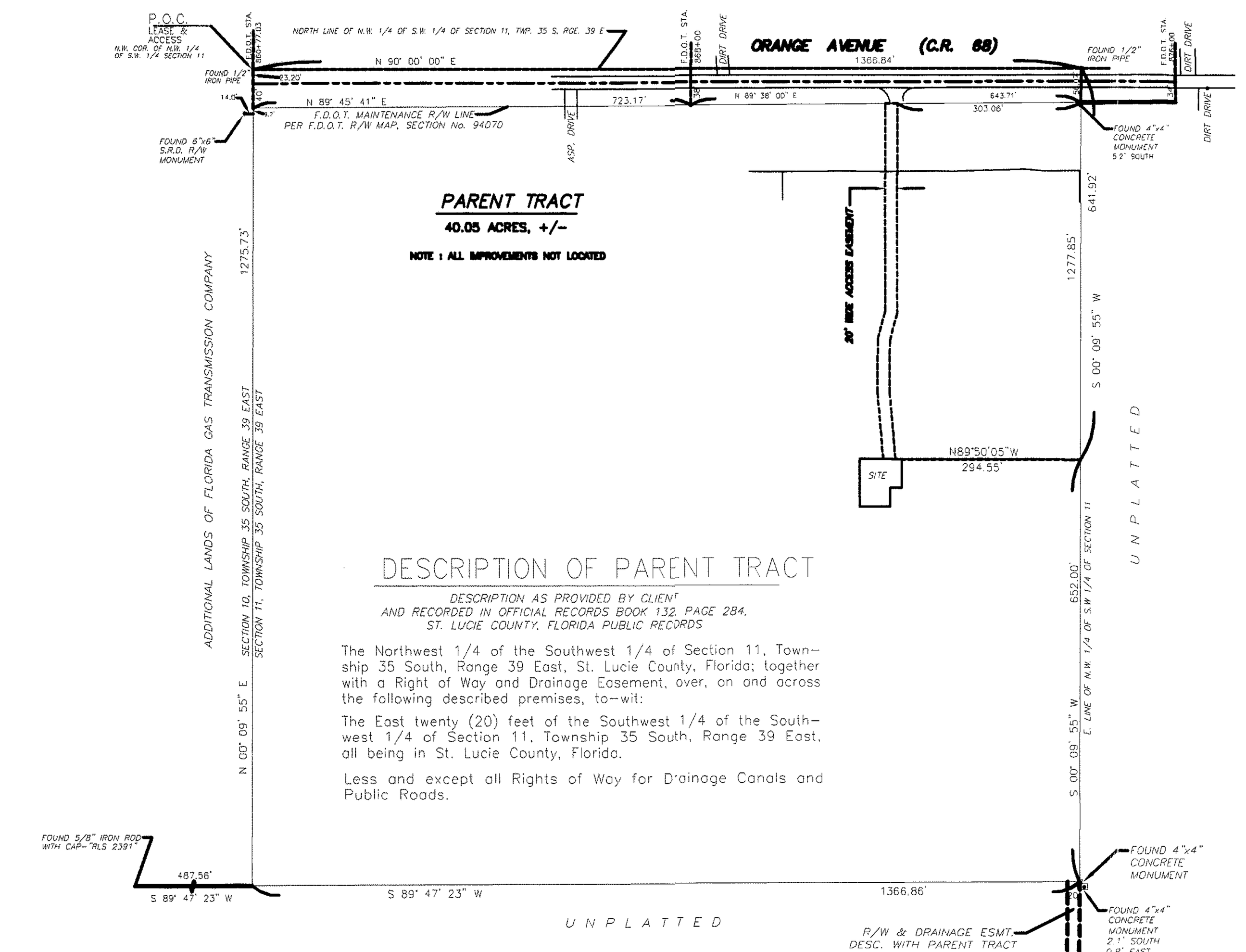
SBT = SOUTHERN BELL RISER BOX

Lease Parcel
(SEE DETAIL)



DESCRIPTION OF PARENT TRACT

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The Northwest 1/4 of the Southwest 1/4 of Section 11, Township 35 South, Range 39 East, St. Lucie County, Florida; together with a Right of Way and Drainage Easement, over, on and across the following described premises, to-wit:

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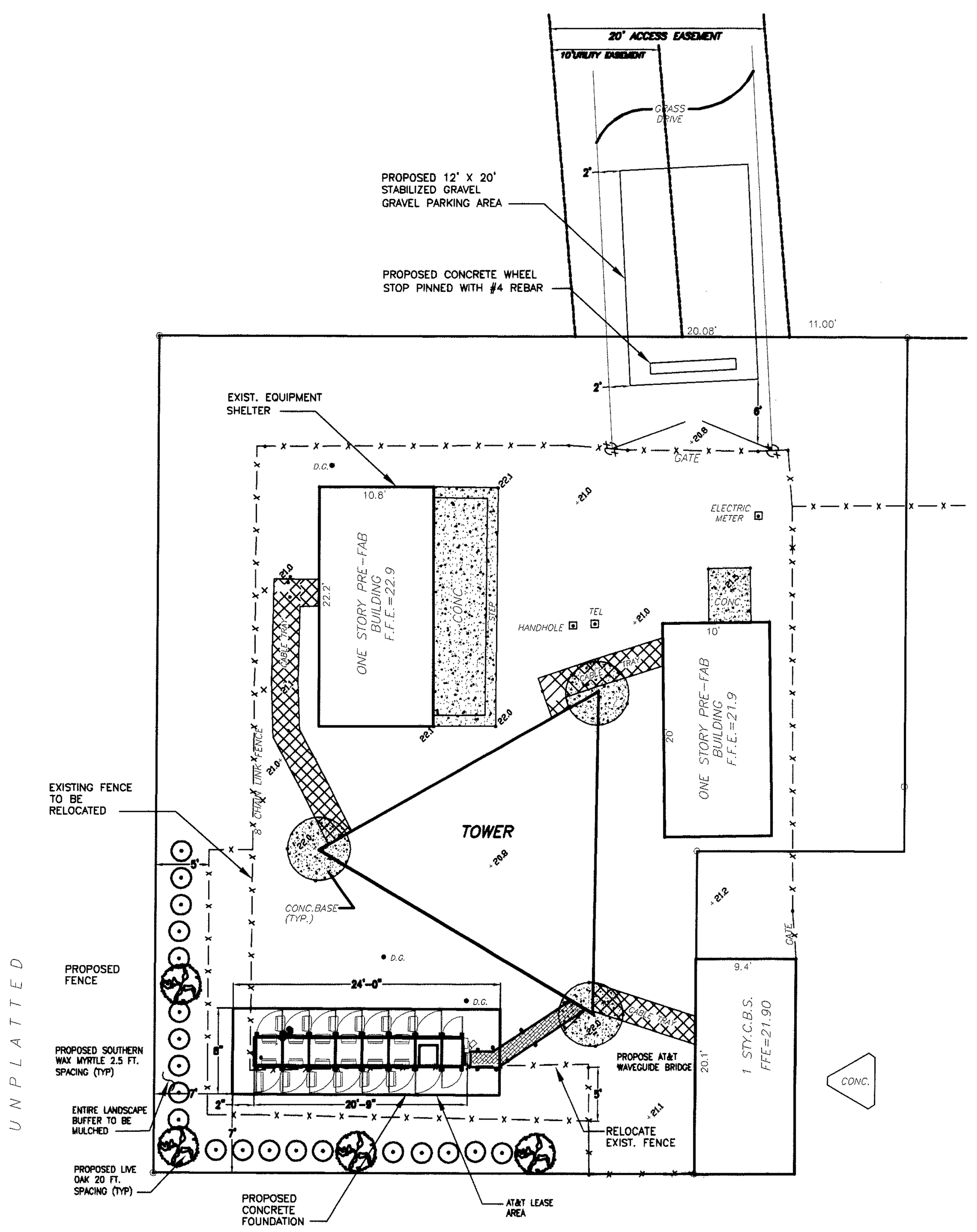
Sketch of Parent Tract
SCALE : 1" = 200'



Detail of Lease Parcel Area
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The purpose of this adjustment is to provide for additional telecommunications equipment on an existing 250 foot tower. This adjustment is for AT & T Wireless Services equipment *only*.

SITE PLAN
MINOR REVISION (S)
APPROVED

DATE: 2·9·01

SPTRC REP. [signature]

PRELIMINARY
NOT FOR CONSTRUCTION

NOTE: THIS SHEET IS PRESENTED FOR REFERENCE ONLY AND IS NOT A CERTIFIED SERVEY.

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NO.	DATE	REVISIONS	BY	CHK	APP'D
B	02/01/01	ADDED PARKING AREA OUTSIDE COMPOUND	LV	CR	MR
A	10/03/00	ISSUE FOR REVIEW & COMMENT	RLD	CR	MR

SCALE AS SHOWN | DESIGNED | DRAWN

2/2/01
MARK V. RICHTER
FL. P.E. 56196

STS WIRELESS
9913-42

SITE PLAN

JOB NO.	DRAWING NUMBER	REV
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615

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GENERAL LANDSCAPE NOTES AND SPECIFICATIONS

1. IMPLEMENTATION OF THIS PLAN AND SPECIFICATIONS SHALL CONFORM TO THE HIGHEST STANDARDS OF THE TRADE AND TO ALL PREVAILING ORDINANCES AND CODES. THE SPECIFICATIONS CONTAINED HEREIN SHALL SUPPLEMENT THE WRITTEN SPECIFICATIONS.

2. PRIOR TO SUBMISSION OF BID, THE LANDSCAPE CONTRACTOR SHALL VISIT THE SITE AND FULLY INFORM HIMSELF OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE ACCOMPLISHED.

3. THE WORK INCLUDES SOIL PREPARATION, FINISH GRADING, SUPPLYING AND PLANTING OF TREES, SHRUBS, GROUNDCOVERS, AND SOD OF THE SPECIES, SIZES AND QUALITY AS SHOWN ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN. FURTHER, THE WORK SHALL INCLUDE THE THIRTY DAY (30) DAY MAINTENANCE OF ALL LANDSCAPE AND SOD/SEED AREAS AFTER FINAL ACCEPTANCE BY THE PROJECT ARCHITECT AND OWNER'S REPRESENTATIVE.

4. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A LUMP SUM BID PRICE FOR A FULLY AUTOMATIC, 100% OVERLAP COVERAGE, UNDERGROUND IRRIGATION SYSTEM. THE IRRIGATION SYSTEM DESIGN, SPECIFICATIONS AND INSTALLATION SHALL CONFORM TO THE STANDARDS OF THE "IRRIGATION ASSOCIATION", 1911 N. FORT MYERS DRIVE #1009, ARLINGTON, VA 22209, AND TO THE STANDARDS OF THE "FLORIDA IRRIGATION SOCIETY". IRRIGATION SOURCE SHALL BE SHOWN ON THE IRRIGATION PLANS. THE IRRIGATION CONTRACTOR SHALL PROVIDE AN RPZ BACKFLOW PREVENTION DEVICE PER LOCAL GOVERNING CODES AND ORDINANCES. SIZE ACCORDINGLY. SUBMIT PLAN PER WRITTEN SPECIFICATIONS TO ARCHITECT FOR APPROVAL.

5. THE LANDSCAPE CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK, PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE ARCHITECT AND OWNER'S CONSTRUCTION REPRESENTATIVE IF REQUESTED.

6. THE LANDSCAPE AND IRRIGATION CONTRACTOR SHALL BE PROPERLY LICENSED AND INSURED. SEE WRITTEN SPECIFICATIONS.

7. ALL WORK IN THE RIGHT OF WAY AREAS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE LOCAL AND/OR STATE HIGHWAY JURISDICTION.

8. CONSTRUCTION EQUIPMENT IS NOT ALLOWED ON SITE UNTIL A HABITAT MANAGEMENT AND LANDSCAPE PERMIT IS IN HAND. (IF REQUIRED BY LOCAL ORDINANCE).

9. THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS (EXISTING AND PROPOSED), RELATED PAVING, ELEVATIONS, WATER AND ELECTRICAL SUPPLY, ETC. PRIOR TO START OF WORK. NOTIFY THE GENERAL CONTRACTOR AND THE ARCHITECT/OWNER'S AGENT IN WRITING OF UNSATISFACTORY CONDITIONS PRIOR TO START OF WORK. START OF WORK WILL INDICATE ACCEPTANCE OF CONDITIONS AND FULL RESPONSIBILITY FOR COMPLETED WORK.

10. VERIFY ALL UNDERGROUND AND ABOVE-GROUND UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. IF UNDERGROUND CONSTRUCTION, UTILITIES OR OBSTRUCTIONS ARE ENCOUNTERED DURING THE EXCAVATION OF PLANTING AREAS OR PITS, IMMEDIATELY INFORM THE OWNER'S CONSTRUCTION REPRESENTATIVE. ALTERNATE LOCATIONS FOR THE PLANT MATERIAL(S) WILL BE SELECTED BY THE ARCHITECT OR AGENT. SUCH CHANGES IN LOCATION SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.

11. THE LANDSCAPE CONTRACTOR SHALL BEAR SOLE RESPONSIBILITY FOR ANY AND ALL DAMAGES THAT RESULT FROM HIS ACTIVITIES DUE TO IMPROPER VERIFICATION OF UTILITIES AND/OR OPERATOR ERROR DURING EXCAVATIONS. SEE RELATED CIVIL PLANS FOR ADDITIONAL INFORMATION AND COORDINATE ON-SITE WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO START OF WORK.

12. ALL EXISTING TREES SHALL BE INSPECTED BY THE LANDSCAPE CONTRACTOR TO THE DETERMINE THE EXTENT OF TRIMMING AND PRUNING REQUIRED TO "SHAPE-UP" TREES. REMOVE DEAD BRANCHES AND FROND, AND PRUNE BRANCHES HANGING OR GROWING BELOW 8FT. THIS WORK SHALL BE DEEMED PART OF THE LANDSCAPE CONTRACTORS CONTRACT FOR SERVICES FOR THIS PROJECT SITE.

13. SITE CONTRACTOR SHALL PROVIDE THE LANDSCAPE CONTRACTOR WITH A FINISH GRADE OF (PLUS OR MINUS) ONE TENTH OF ONE FOOT. GRADE SHALL BE CLEAR OF DEBRIS AND WEED GROWTH. FINISH GRADES ADJACENT TO PAVING SHALL BE TWO INCHES (2") BELOW TOP OF CURBS, WALKS OR PAVING IN ORDER TO CONTAIN SOD OR MULCH AS SPECIFIED. SITE CONTRACTOR SHALL EXCAVATE ANY LIMESTONE BASE MATERIAL OR OTHER MATERIALS NOT CONDUCIVE TO PROPER PLANT GROWTH FROM ALL PLANTING AREAS. WHERE INDICATED, THE SITE CONTRACTOR SHALL PROVIDE BERMS, MOUNDING OR CROWNS TO PARKING ISLANDS OF INDIGENOUS/VIABLE SOIL COMPACTED TO TWENTY-FIVE PERCENT. CROWN PARKING ISLANDS TO A MAXIMUM OF 12" TO THE CENTER FOR DRAINAGE WITH A SLOPE NOT TO EXCEED 3:1. IF THE EXISTING GRADE WITHIN THE DRIPLINE OF AN EXISTING TREE SHOWN TO REMAIN IS MODIFIED BY SIX INCHES (6") OR MORE, THEN THE SITE CONTRACTOR SHALL PROVIDE TREE WELLS OR RETAINING WALLS AS REQUIRED FOR THE PRESERVATION OF EXISTING TREES TO REMAIN. SEE ADDITIONAL SPECIFICATIONS AND DETAIL FOR TREE BARRICADES.

14. NO GRADE CHANGE SHALL OCCUR WITHIN THE CANOPY DRIP LINE OF PINE TREES AND 2/3 THE CANOPY DRIP LINE OF HARDWOOD TREES TO BE SAVED. THE FOOTPRINT OF UTILITIES (I.E. STORM, SANITARY, POWERLINES, WATER, SEWER, ETC.) AS WELL AS THE LIMITS OF TRENCHING OR FILL MATERIAL IS NOT PERMITTED TO ENCROACH WITHIN THE ABOVE STATED LIMITS.

15. REQUIRED TREE BARRICADES AND EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. ENCROACHMENT INTO OR FAILURE TO MAINTAIN THESE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS AND/OR PERMIT REVOCATION.

16. ALL STORMWATER RUNOFF MUST BE DIRECTED TO THE RETENTION AREAS.

17. PLANT MATERIAL SHALL BE GRADED FLORIDA NO.1 OR BETTER AS OUTLINED UNDER THE "GRADES AND STANDARDS FOR NURSERY PLANTS", PARTS I AND II, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND SHALL CONFORM TO AAN STANDARDS FOR NURSERY STOCK (ANSI 260.1-1980)

18. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. PLANS SHALL BE BID BY ALL BIDDERS AS SHOWN. SUBMIT WRITTEN VERIFICATION OF ANY PLANT MATERIAL(S) THAT MAY BE UNAVAILABLE AS SPECIFIED, TO THE LANDSCAPE ARCHITECT.

19. COORDINATE THE INSTALLATION OF TREES AND PLANTS SO AS TO NOT OBSCURE THE SITE VISIBILITY TRIANGLE AT INTERSECTIONS AND THE VISIBILITY OF DIRECTIONAL SIGNS OR LIGHTS. FIELD ADJUST TREE AND PALM LOCATIONS AS REQUIRED TO AVOID CONFLICT WITH LIGHT POLES, ETC. THE OWNER SHALL PROPERLY MAINTAIN TREES AND PLANT MATERIALS AFTER FINAL ACCEPTANCE IN ORDER TO MAINTAIN UNOBSTRUCTED VISIBILITY FOR PEDESTRIANS AND VEHICLES.

20. IN THE EVENT OF A VARIATION BETWEEN THE PLANT LIST AND THE ACTUAL NUMBER OF PLANTS SHOWN OR NOTED ON THE PLANS, THE PLANS SHALL CONTROL. LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY DURING BID PROCESS IN WRITING.

21. PLANTS AND TREES SHALL BE SET PLUMB, AT THE SAME GRADE AT WHICH THEY HAVE BEEN GROWN, BEST SIDE FACING PRIME VISIBILITY AND THOROUGHLY WATERED-IN TO ELIMINATE AIR POCKETS. IF SITE CONDITIONS ARE UNFAVORABLE TO VIGOROUS PLANT GROWTH, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO SUBMITTING BID AND COMMENCING CONSTRUCTION. THE CONDITIONS ARE CONSIDERED ACCEPTED BY CONTRACTOR IF WRITTEN NOTIFICATION IS NOT RECEIVED BY OWNER OR LANDSCAPE ARCHITECT BEFORE COMMENCEMENT OF INSTALLATION OF THE MATERIALS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROPER DRAINAGE FOR ALL TREES AND PLANT MATERIALS. TREES SET TOO HIGH OR LOW MAY BE REJECTED. VERIFY PROPOSED FINISH GRADES AND SET TREES ACCORDINGLY. SEE DETAILS FOR PLANTING, STAKING AND GUYING. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SECURING ALL TREES, PALMS AND LARGE SHRUBS IMMEDIATELY AFTER PLANTING. ALL GUY WIRES SHALL BE FLAGGED AND ALL STAKES SHALL BE DRIVEN FLUSH WITH SURROUNDING GRADE FOR PUBLIC SAFETY.

22. PLANTING SOIL FOR ALL TREES AND SHRUBS SHALL CONSIST OF 60% PEAT, 20% COMPOST, AND 20% WOOD PRODUCT FOR AERATION. PLANTING MIX SHALL HAVE A pH OF 6.0-6.5 /MIX 25% PLANTING SOIL WITH 75% ON-SITE SOIL FOR PLANTING SOIL BACKFILL. TEST SOIL OVER THE ENTIRE SITE AFTER FILL OPERATIONS FOR PROPER pH AND DRAINAGE. AMEND SOIL AS NECESSARY FOR PLANT MATERIAL REQUIREMENTS PER SOIL TEST RESULTS. BACKFILL ALL TREES AND SHRUBS AT THE FOLLOWING RATE:

TREES 3.5" CAL. AND GREATER = 1 CUBIC YARD EACH
TREES 1" - 3" CAL./30 GAL. = 1/2 CUBIC YARD EACH
GALLON CONTAINER SIZE = 1/4 CUBIC YARD EACH
GALLON CONTAINER SIZE = 35 PLANTS PER CUBIC YARD
GALLON CONTAINER SIZE = 65 PLANTS PER CUBIC YARD
ROOTED CUTTINGS/4" POTS = 6" DEPTH OF ANNUAL BED MIX

23. ROOTED CUTTINGS, 2" AND 4" POT MATERIAL SHALL BE PLANTED IN A 6" DEPTH PREPARED BED CONTAINING AN "ANNUAL BED MIX" COMPOSED OF 1/3 PEAT, 1/3 COMPOSTED PINE BARK, 1/3 SAND AND DOLOMITE WITH A 6.0-6.5 pH. TREAT ROOT AREA WITH "ROOTS, INC." ROOT ENHANCER PER MANUFACTURER'S DIRECTIONS. FERTILIZE WITH "OSMOCOTE" PER MANUFACTURER'S DIRECTIONS.

24. SHRUBS SHALL BE PLANTED IN CIRCULAR PLANT PITS WITH A DIAMETER OF 16" GREATER THAN THE ROOTBALL OR CONTAINER. TREES SHALL BE PLANTED IN CIRCULAR PITS WITH A DIAMETER OF 28" GREATER THAN ROOTBALL OR CONTAINER AND BACKFILLED WITH PLANTING SOIL MIX. REMOVE CONTAINER AND CUT ROOTS IN 3 PLACES FOR OPTIMUM GROWTH. REMOVE TOP 12" OF BURLAP OR GROW BAG CONTAINERS FROM TREES.

25. FERTILIZE TREES, SHRUBS AND GROUNDCOVERS WITH NURSERYMEN'S "SURE-GRO" 12-4-12 BY BROADCASTING EVENLY THROUGHOUT THE PLANTING AREA WITH A PROPERLY CALIBRATED SPREADER PER MANUFACTURER'S RECOMMENDED APPLICATION RATE. THOROUGHLY WATER PLANT MATERIALS AFTER FERTILIZING. NURSERYMEN' SURE-GRO CORP. (407) 589-8951

26. APPLY "XL 2G" GRANULAR HERBICIDE (CONTAINS SURFLAN) PER MANUFACTURER'S DIRECTIONS TO ALL PLANT BED AREAS PRIOR TO MULCHING. USE A PROPERLY CALIBRATED GRANULAR APPLICATOR AND DO NOT APPLY CHEMICAL DIRECTLY ONTO LEAVES OF PLANTS.

27. ALL PLANT BEDS AND TREE RINGS SHALL BE MULCHED WITH A 3" DEPTH LAYER OF PINE BARK MULCH, UNLESS SPECIFIED DIFFERENTLY ON PLANS. DEPTH SHALL BE MEASURED AFTER COMPACTION. REMOVE MULCH FROM CANOPIES OF SHRUBS AND PROPERLY "TUCK-IN" MULCH ALONG EDGES.

28. BED LINES SHALL HAVE WELL DEFINED TRENCH EDGES TO CONTAIN MULCH. HEDGE LINES SHALL BE LAID OUT WITH STRINGLINE IN THE FIELD PER PLAN LAYOUT. TREES OR SHRUBS SHOWN IN A LINE ON THE PLAN SHALL HAVE THE TRUNKS/CANOPIES IN PROPER ALIGNMENT UPON VISUAL INSPECTION AFTER INSTALLATION. GROUNDCOVER AND SHRUB BEDS SHALL BE PLANTED ON TRIANGULAR SPACING WITH PLANTS INSTALLED AND FACED FOR OPTIMUM GROWTH INTO THE BED.

29. TREES, PALMS AND SHRUBS SHALL BE PLANTED SO AS TO MAINTAIN ADEQUATE CLEARANCE FROM THE EDGE OF WALKS AND ALONG BUILDING WALLS. CURVILINEAR BED LINES SHALL BE ACCURATELY SCALED FROM PLANS AND LAID-OUT IN THE FIELD. IF FIELD CONDITIONS ARE DIFFERENT FROM PLANS, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OR ON-SITE REPRESENTATIVE FOR FIELD ADJUSTMENT OF MATERIALS.

30. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS, IN THE FIELD, TO THE LOCATIONS OF TREES, PALMS, SHRUBS AND GROUNDCOVERS, WITHOUT CHARGE FROM THE LANDSCAPE CONTRACTOR. REVISIONS CAN BE MADE FOR AESTHETIC OR HEALTH, SAFETY WELFARE REASONS OR REQUEST FROM OWNER.

31. SODDING IS REQUIRED IN ALL UNPAVED AREAS WITHIN THE SITE BOUNDARIES UNLESS OTHER WISE SHOWN OR NOTED. ALL SOD AREAS SHALL BE PLANTED WITH ST. AUGUSTINE "FLORATAM", SAND GROWN, SOLID-SOD TYPE AS SPECIFIED ON PLANS. SOD SHALL BE FREE FROM PESTS AND WEEDS, LAID IN STAGGERED ROWS WITH NO GAPS, ROLLED, FERTILIZED AND WATERED IMMEDIATELY AFTER INSTALLATION. SOD SHALL NOT BE LAID ON TOP OF WEEDS, STICKS, ROCKS ETC. PRIOR TO SODDING OR SEEDING, TREAT SOIL WITH "ROUND-UP" PLANT KILLER AT A RATE OF 2 OZ. PER GALLON OR AS PER MANUFACTURERS INSTRUCTIONS. ALL DEBRIS SHALL BE REMOVED PRIOR TO LAYING SOD. SOD RETENTION SLOPES AND BOTTOMS WITH ARGENTINE BAHIA SOLID SOD, PEGGING SOD ON SLOPES 3:1 AND GREATER. SOD ROLLS SHALL BE LAID HORIZONTAL TO PREVAILING SLOPE TO MINIMIZE EROSION.

32. ANY AREAS SUBJECT TO EROSION (E.G. GRASS SWALES, RETENTION AREA EMBANKMENTS) MUST BE STABILIZED BY SOLID-SOD.

33. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE EROSION REPAIRS IF SITE IS FINAL-GRADED BY GENERAL CONTRACTOR FOR SODDING AND A DELAY OF SODDING ACTIVITY BY LANDSCAPE CONTRACTOR IS DETERMINED TO HAVE CAUSED EROSION DAMAGE TO FINAL GRADE.

34. FERTILIZE TURF AREAS WITH 16-4-8 FERTILIZER AT THE RATE OF 10 LBS OF NITROGEN PER 1000 S.F. OF TURF AREA. WATER AFTER FERTILIZATION TO THOROUGHLY SATURATE THE SOIL.

35. THE IRRIGATION SYSTEM SHALL BE FULLY OPERATING FOR A PERIOD OF TWENTY-FOUR HOURS PRIOR TO START OF PLANTING OPERATIONS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL HAND-WATERING AS NECESSARY FOR ALL TREES, SHRUBS, GROUNDCOVERS AND TURF AREAS PRIOR TO FINAL ACCEPTANCE.

36. THE JOB SITE SHALL BE KEPT ORDERLY AND REASONABLY CLEAN ON A DAILY BASIS DURING CONSTRUCTION OPERATIONS. UPON COMPLETION, THE LANDSCAPE CONTRACTOR SHALL REMOVE ALL DEBRIS AND WASTE GENERATED BY HIS OPERATIONS ON-SITE, INCLUDING THE CLEANING OF WALKS AND PAVING AS NECESSARY.

37. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASURES TO PROTECT THE CONTRACTOR'S INSTALLED AND/OR ON-SITE MATERIALS FROM THEFT PRIOR TO FINAL ACCEPTANCE BY OWNER.

38. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER FINAL ACCEPTANCE. ALL TREES, PLANTS AND/OR GRASSING NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN TEN (10) DAYS AFTER WRITTEN NOTICE. ALL PLANT REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THE REPLACEMENTS SHALL BE FURNISHED, AND INSTALLED AS HEREIN SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. THE IRRIGATION SYSTEM SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER FINAL ACCEPTANCE FROM DEFECTS IN MATERIALS AND WORKMANSHIP. SEE WRITTEN SPECIFICATIONS.

39. AN "AS-BUILT" OF THE LANDSCAPE AND IRRIGATION PLANS SHALL BE MADE BY THE LANDSCAPE AND IRRIGATION CONTRACTOR. THE "AS-BUILT" SHALL BE UP-DATED DAILY AND SHALL BE KEPT ON-SITE AT ALL TIMES DURING THE CONSTRUCTION PERIOD. ANY AND ALL DEVIATIONS FROM THE ORIGINAL CONSTRUCTION DOCUMENTS SHALL BE DULY AND ACCURATELY RECORDED. A REPRODUCIBLE OF EACH "AS-BUILT" SHALL BE PROVIDED BY THE LANDSCAPE AND IRRIGATION CONTRACTOR TO THE OWNER'S CONSTRUCTION REPRESENTATIVE AND TO THE ARCHITECT PRIOR TO FINAL ACCEPTANCE AND PAYMENT OF RETAINAGE.

40. AT THE TIME OF FINAL ACCEPTANCE, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE OWNER WITH A MAINTENANCE MANUAL CONTAINING INSTRUCTIONS FOR THE PROPER CARE OF ALL MATERIALS SPECIFIC TO THE JOB. INCLUDE IRRIGATION TIMECLOCK OPERATING DIRECTIONS AND MANUFACTURER'S LITERATURE TO OWNER'S REPRESENTATIVE. CONTRACTOR SHALL INSTRUCT THE OWNER'S REPRESENTATIVE HOW TO PROPERLY OPERATE THE TIMECLOCK. THE OWNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE AND WATERING OF THE LANDSCAPING AND TURF THIRTY (30) DAYS AFTER ACCEPTANCE.

41. THE SUBCONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL, PRIOR TO START OF WORK, THE FOLLOWING:

MANUFACTURER'S CUT-SHEETS FOR IRRIGATION COMPONENTS WITH ALL SPRINKLER HEADS, PVC PIPE, VALVES, VALVE BOXES, PUMP, CONTROLLER, AND MISCELLANEOUS FITTINGS INCLUDED. INDICATE MATERIAL SPECIFICATION, TYPE, MODEL NUMBER AND MANUFACTURER.

IRRIGATION PLAN AT 1" = 20' DELINEATING ALL HEAD LOCATIONS WITH TYPE OF SPRAY OR ROTOR NOZZLE INDICATED, MAINLINE AND LATERAL LINE WITH PIPE SIZES, VALVE SIZE AND LOCATION, SCH. 40 SLEEVE LOCATIONS, BACKFLOW DEVICE SIZE AND LOCATION, ETC. SHOP DRAWING TO BE PROVIDED BY CONTRACTOR IF NOT INCLUDED IN LANDSCAPE ARCHITECT'S DESIGN PACKAGE FOR BID.

MANUFACTURER'S CUT-SHEETS FOR ALL LANDSCAPE MATERIAL APPLICATIONS AND SOIL SAMPLE TEST RESULTS. CONTRACTOR SHALL AMEND SOIL AS REQUIRED FOR PROPOSED PLANTINGS.

LANDSCAPE AND IRRIGATION SCHEDULE OF CONSTRUCTION EVENTS. SCHEDULE SHALL BE COMPREHENSIVE AND ALL-INCLUSIVE OF THE CONTRACTOR'S SCOPE OF WORK AND SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR'S SCHEDULE.

REPRESENTATIVE PHOTOGRAPHS OF ALL TREE MATERIALS SHOWING PROPOSED QUALITY AND SIZE UPON REQUEST.

SUBMITTAL SHALL BE IN AN 8-1/2" X 11" FORMAT AND SHALL BE PROVIDED IN THREE RING BINDERS WITH SEPARATE SECTIONS FOR EACH AREA OF WORK. PROVIDE FIVE (5) COPIES FOR APPROVAL.

THE PROJECT NAME AND LOCATION SHALL BE LABELED ON THE FRONT OF EACH BINDER WITH THE CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER LISTED ON THE INSIDE FIRST PAGE WITH THE INDEX.

42. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE, TURF AND IRRIGATION SYSTEM FOR A THIRTY DAY (30) ESTABLISHMENT PERIOD AFTER SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE. LANDSCAPE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS TO NECESSARY TO PROPERLY MAINTAIN THE SITE'S LANDSCAPE AND TURF AREAS BY MOWING, EDGING, WEEDING, WATERING, CONTROL OF PESTS, FERTILIZING, AND PRUNING AS NEEDED ON A WEEKLY BASIS. CLEAN UP ALL CLIPPINGS AND PAVED SURFACE AREAS AFTER DAILY MAINTENANCE. CHEMICAL SPRAYS SHALL NOT BE USED FOR WEEDING. USE HAND LABOR TO REMOVE ALL WEEDS. MONITOR THE IRRIGATION SYSTEM FOR PROPER APPLICATION OF WATER TO ALL LANDSCAPE AND TURF AREAS. SPRINKLER HEADS SHALL BE OPERATED, INSPECTED, AND ADJUSTED AS NEEDED FOR PROPER COVERAGE IMMEDIATELY AFTER EVERY MOWING OPERATION. SUPPLEMENT IRRIGATION SYSTEM BY HAND WATERING FOR PROPER ESTABLISHMENT. ADJUST CONTROLLER TO APPLY ONE INCH OF WATER PER WEEK TO ALL LANDSCAPE AND TURF AREAS. CONTRACTOR'S PERSONNEL SHALL TAKE ALL NECESSARY MEASURES TO SAFEGUARD THE GENERAL PUBLIC FROM ALL ON-SITE MAINTENANCE ACTIVITIES. ALL AREAS SHALL BE POLICED FOR LITTER, TRASH, CLIPPINGS, OR OTHER DEBRIS DURING EACH VISIT.

43. A RECORD LOG OF ALL ON-SITE ACTIVITIES WILL BE MAINTAINED BY THE CONTRACTOR AND SUBMITTED TO THE ARCHITECT AT FINAL ACCEPTANCE.

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END OF SECTION

IRRIGATION NOTES

1. IRRIGATION CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL CONDITIONS AND DIMENSIONS AS SHOWN ON THE PLANS PRIOR TO SUBMISSION OF BID. THE PLANS ARE SCHEMATIC AND THE CONTRACTOR SHALL DETERMINE ANY AND ALL NECESSARY MATERIALS AND LABOR NEEDED TO MEET THE INTENT OF THE DRAWINGS. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND/OR COORDINATING PRIOR TO BEGINNING OF INSTALLATION OF IRRIGATION SYSTEM, WITH GENERAL CONTRACTOR, IN REGARDS TO TYPE AND LOCATION OF WATER SOURCE.

2. IRRIGATION CONTRACTOR SHALL PROVIDE A FULLY OPERATIONAL IRRIGATION SYSTEM FOR 100% OVERLAP COVERAGE OF ALL LANDSCAPE AND TURF AREAS AS INDICATED ON THE LANDSCAPE AND IRRIGATION PLANS (SEE WRITTEN SPECIFICATIONS).

3. THE CONTRACTOR SHALL VERIFY EXISTING GPM/PSI FROM THE PROPOSED WATER SOURCE AND IF NEEDED, THE CONTRACTOR SHALL ADJUST AND BALANCE THE PROPOSED ZONES AS NECESSARY TO MEET ACTUAL GPM/PSI REQUIREMENTS. THE CONTRACTOR SHALL ALSO ADD HEADS AS NEEDED FOR FULL 100% COVERAGE IF SCHEMATIC PLAN LOCATIONS ARE INSUFFICIENT.

4. COORDINATE OPERATION OF THE TIME-CLOCK FOR PROPER ZONE SEQUENCING AND OPTIMUM WATERING TIME. VERIFY TIME-CLOCK LOCATION AND START/STOP TIMES OF OPERATION WITH OWNER. TIME-CLOCK SHALL BE LOCATED ON AN EXTERIOR WALL IN A LOCKING WALL-MOUNTED UNIT PER LEGEND. THE GENERAL CONTRACTOR'S ELECTRICIAN SHALL PROVIDE 120V, 20AMP POWER SUPPLY TO THE TIME-CLOCK. COORDINATE ELECTRICAL SUPPLY REQUIREMENTS WITH THE GENERAL CONTRACTOR.

5. PIPING ON PLANS IS DIAGRAMATICALLY ROUTED FOR GRAPHIC CLARITY, ACTUAL PLACEMENT SHALL BE LOCATED WITHIN PROPERTY BOUNDARY AND IN "GREENSPACE" AREAS ADJACENT TO PAVING OR STRUCTURES AS PER INDUSTRY STANDARDS. COORDINATE INSTALLATION WITH PLANTING PLAN SO CONFLICTS WITH PROPOSED LOCATIONS OF TREES, PALMS AND SHRUBS WILL BE AVOIDED. PLACE PIPING IN TRENCH ADJACENT TO CURBING OR EDGE OF PAVEMENT WHERE POSSIBLE.

6. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLANS AND SPECIFICATIONS TO DETERMINE WHERE IRRIGATION HEADS SHALL BE INSTALLED ON RISERS. HEIGHTS OF ALL RISERS SHALL BE ADJUSTED AFTER LANDSCAPE INSTALLATION IS COMPLETE. RISERS SHALL BE PAINTED BLACK WITH PROFESSIONAL QUALITY FLAT ENAMEL SPRAY PAINT. ADJUST SPRINKLER ARC, RADII, AND TRAJECTORY AFTER LANDSCAPE INSTALLATION IS COMPLETED TO ASSURE 100% OVERLAP COVERAGE. ALL RISERS SHALL BE STAKED WITH A GALV. STAINLESS STEEL EMT STAKE AND SECURED BY TWO STAINLESS STEEL CLAMPS. NO RISER SHALL BE INSTALLED ADJACENT TO ANY PEDESTRIAN WALKWAY. 12" POP-UP HEADS SHALL BE USED IN GROUNDCOVER BEDS ADJACENT TO WALKWAYS AND IN PARKING ISLANDS (TYP.)

7. CONTRACTOR SHALL DETERMINE LOCATIONS OF ALL UNDERGROUND UTILITIES AND IMPROVEMENTS PRIOR TO START OF WORK ON-SITE. COORDINATE WITH THE GENERAL CONTRACTOR AND SITE LIGHTING CONTRACTOR FOR INSTALLATION OF PROPOSED LIGHTING AND ELECTRICAL CONDUITS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK. THE IRRIGATION CONTRACTOR SHALL BEAR SOLE RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT RESULTS FROM HIS ACTIVITIES DUE TO IMPROPER VERIFICATION OF UTILITIES AND/OR OPERATOR ERROR DURING EXCAVATIONS. SEE RELATED CIVIL PLANS FOR ADDITIONAL INFORMATION.

8. IRRIGATION CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY GOVERNING AGENCIES. SUBMIT COPIES OF PERMITS TO OWNER'S CONSTRUCTION REPRESENTATIVE. IRRIGATION CONTRACTOR SHALL BE PROPERLY LICENSED AND INSURED.

9. ADJUST SPRINKLER ARC, RADII, AND TRAJECTORY AFTER LANDSCAPE INSTALLATION IS COMPLETED TO INSURE 100% OVERLAP COVERAGE. INSTALL PROPER NOZZLE AS FIELD CONDITIONS REQUIRE FOR OVERLAP COVERAGE. RAISE OR LOWER SPRINKLER HEADS AS REQUIRED.

10. WHERE MAINLINE OR LATERAL LINES ARE COVERED BY PAVING, A SCHEDULE 40 PVC SLEEVE SHALL BE INSTALLED WITH THE SPECIFIED LATERAL LINE AND STUBBED UP WITH END CAPS AS SHOWN IN DETAIL. SLEEVE SIZE SHALL BE TWO TIMES LARGER (I.D.) THAN THE SIZE OF THE LATERAL LINE "WET-PIPE" SIZE INDICATED ON THE PLANS.

11. ALL MAINLINES SHALL BE BURIED A MINIMUM OF 18" BELOW FINISH GRADE. MAINLINE SHALL BE BURIED A MINIMUM OF 24" AT ROAD CROSSINGS. ALL LATERAL LINES SHALL BE BURIED A MINIMUM DEPTH OF 12" BELOW FINISH GRADE. INSTALL MAINLINE IN SAME TRENCH AS LATERAL LINES WHERE POSSIBLE.

12. ALL POP-UP SPRINKLER HEADS SHALL BE INSTALLED ON 1/2" OR 3/4" X 18" SPEARS FLEX PIPE CONNECTION. FLEX PIPE CEMENT SHALL BE USED ON ALL CONNECTIONS BETWEEN FLEXIBLE PVC AND RIGID PVC.

13. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING RAINBIRD "SNAP-TITE" WIRE SPLICE KITS AND SEALANT.

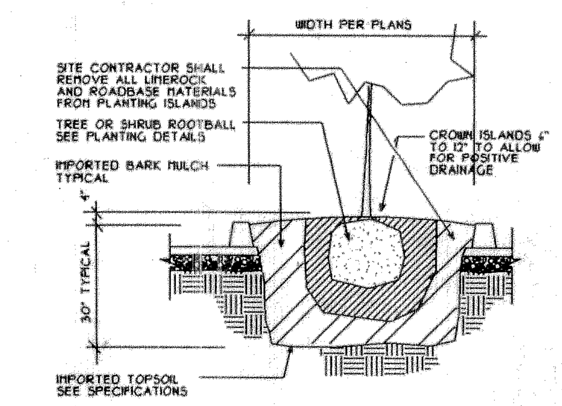
14. WIRE SHALL BE UF-600 VOLT DIRECT BURIAL 14 GAUGE WIRE INSTALLED DIRECTLY IN THE PIPE TRENCH, BUNDLED AND TAPED EVERY TEN FEET ALONG THE MAINLINE WITH EXPANSION LOOPS PROVIDED AT EACH VALVE. "WHITE" COLOR FOR COMMON AND "RED" COLOR FOR CONTROL WIRES. AT TIME OF INSPECTION, WIRE THAT DOES NOT CONFORM TO SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

15. BEFORE SPRINKLER HEADS ARE SET, THE CONTRACTOR SHALL OPEN CONTROL VALVES AND FLUSH THE LINES THOROUGHLY WITH A FULL HEAD OF WATER TO BE SURE THERE IS NO FOREIGN MATTER IN THE LINES. THE CONTRACTOR SHALL TEST THE LINES FOR LEAKAGE BY MAINTAINING A FULL HEAD OF PRESSURE (100 PSI) FOR ONE HOUR WITH CAPPED ENDS AFTER LINES ARE COMPLETE.

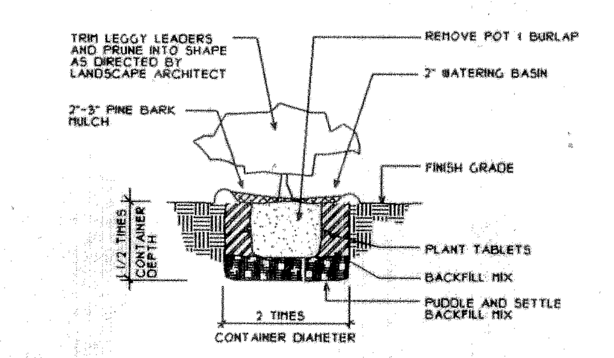
16. AT ANY TIME DURING THE INSTALLATION OF THE IRRIGATION SYSTEM BY THE CONTRACTOR, THE OWNER, ARCHITECT AND OR LANDSCAPE ARCHITECT MAY VISIT THE SITE TO MAKE OFFICIAL INSPECTIONS. UPON REQUEST, THE CONTRACTOR WILL BE REQUIRED TO UNCOVER SPECIFIED WORK AS DIRECTED BY THE INSPECTOR WITHOUT COMPENSATION. SHOULD THE MATERIAL, WORKMANSHIP OR METHOD OF INSTALLATION NOT MEET THE STANDARDS SPECIFIED HEREIN, THE CONTRACTOR SHALL IMMEDIATELY REPLACE THE WORK AT HIS OWN EXPENSE.

17. THE OWNER OR HIS DESIGNATED REPRESENTATIVE WILL RESPOND WITHIN TEN (10) DAYS AFTER NOTIFICATION BY THE CONTRACTOR OF COMPLETION FOR THE PURPOSE OF MAKING A FINAL INSPECTION OF THE SYSTEM. IF FINAL ACCEPTANCE IS NOT GIVEN AT THIS INSPECTION, A "PUNCH-LIST" OF UNSATISFACTORY ITEMS WILL BE PREPARED FOR COMPLETION BY THE IRRIGATION CONTRACTOR. AT SUCH TIME AS ALL "PUNCH-LIST" ITEMS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER OR HIS DESIGNATED REPRESENTATIVE, THE CONTRACTOR SHALL BE NOTIFIED IN WRITING OF FINAL ACCEPTANCE. FINAL ACCEPTANCE BY THE OWNER WILL NOT BE GIVEN UNTIL ALL REQUIRED SUBMITTALS AND "AS-BUILT" DRAWINGS HAVE BEEN TURNED OVER TO THE OWNER AND LANDSCAPE ARCHITECT.

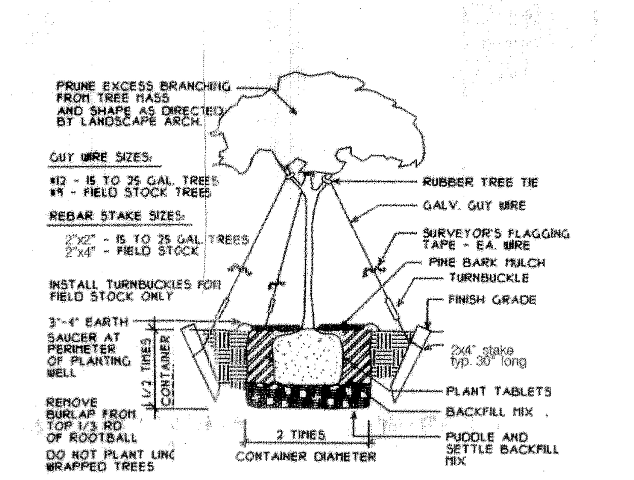
18. THE IRRIGATION CONTRACTOR SHALL KEEP ONE RECORD SET OF BLUELINE PRINTS OF THE SPRINKLER SYSTEM IN GOOD CONDITION AT THE SITE AND MARK ON THEM THE EXACT "RECORD". THE CONTRACTOR SHALL MAKE A DAILY RECORD OF ALL WORK INSTALLED DURING EACH DAY. PLANS SHALL INDICATE THE EXACT LOCATION OF CHECK VALVES, GATE VALVES, WIRE LOCATIONS, HEAD LAYOUT, AUTOMATIC VALVES/BOXES, QUICK COUPLERS, ALL IRRIGATION AND DRAINAGE PIPING, SLEEVES, ETC. LOCATIONS FOR VALVE BOXES SHALL BE SHOWN BY THE TRIANGULAR SYSTEM OF MEASUREMENTS FROM EASILY IDENTIFIED PERMANENT FEATURES, SUCH AS BUILDINGS, CURBS, WALKS, ETC. DRAWINGS SHALL SHOW APPROVED SUBSTITUTIONS, IF ANY, OF MATERIAL I INCLUDING MANUFACTURER'S NAME AND CATALOGUE NUMBER. UPON COMPLETION, ALL INFORMATION NOTED ON THE PRINTS SHALL BE TRANSFERRED TO A REPRODUCIBLE MYLAR BY THE CONTRACTOR. DRAWINGS SHALL BE TO SCALE AND ALL INFORMATION SHALL BE RECORDED IN AN ORDERLY AND LEGIBLE MANNER. ON OR BEFORE FINAL INSPECTION, THE IRRIGATION CONTRACTOR SHALL DELIVER ONE (1) REPRODUCIBLE MYLAR AND TWO (2) SETS OF BLUELINE PRINTS OF THE "RECORD" DRAWINGS TO THE LANDSCAPE ARCHITECT AND OWNER'S AGENT. THE DELIVERY OF THE PRINTS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING REQUIRED INFORMATION THAT MAY HAVE BEEN OMITTED. RETAINAGE SHALL BE RELEASE TO THE CONTRACTOR AFTER THE "RECORD" DOCUMENTS HAVE BEEN SATISFACTORILY RECEIVED BY THE OWNER AND ALL OTHER ASPECTS OF HIS CONTRACT HAVE BEEN MET.



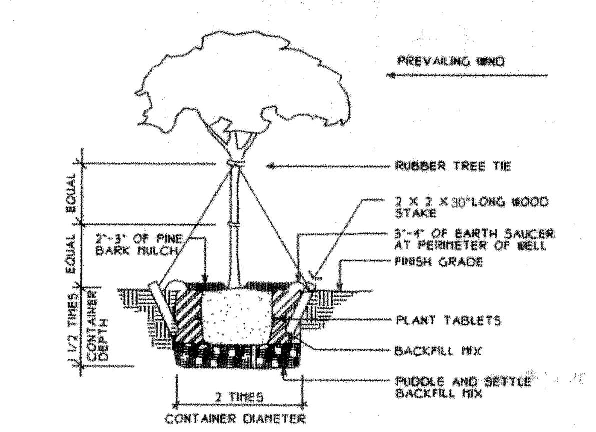
1 TYPICAL PLANTER ISLAND DETAIL
NO SCALE



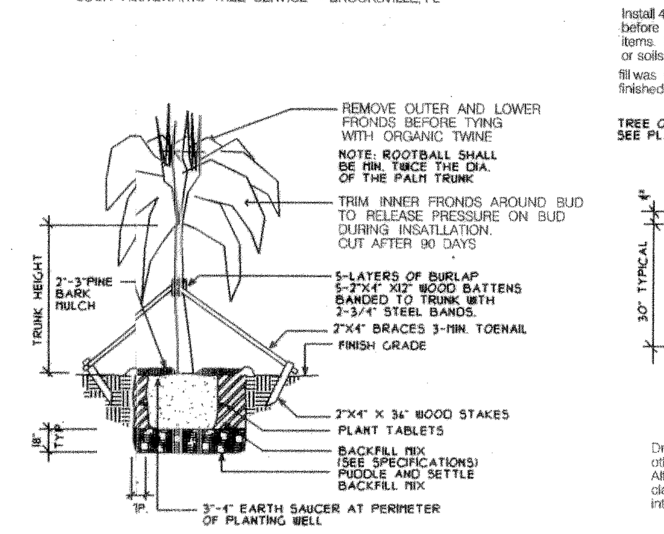
4 SHRUB PLANTING DETAIL
NO SCALE



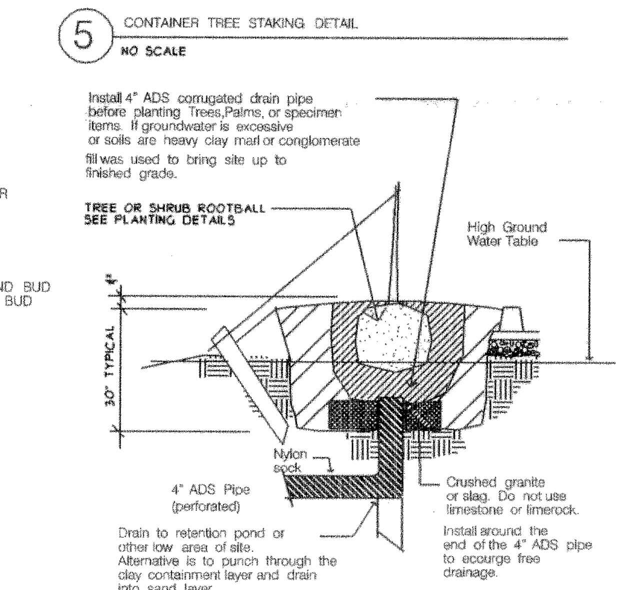
2 TREE GUYING DETAIL
NO SCALE
LIVE OAK SHALL BE PROVIDED BY A 'ROOTS PLUS' GROWER SUCH ASSTEWARTS TREE SERVICE -- BROOKSVILLE, FL



5 CONTAINER TREE STAKING DETAIL
NO SCALE



3 PALMTREE PLANTING DETAIL
NO SCALE DO NOT 'CANDLESTICK' TRIM SABALS PALMS UNLESS SPECIFICALLY CALLED FOR ON THE PLANS



6 PLANTING PIT ROOTBALL DRAIN
NO SCALE

THIS DETAILS SHALL APPLY FOR ALL POORLY DRAINED SITES. THE IMPLEMENTATION OF THIS DETAIL SHALL BE THE RESPONSIBILITY OF THE LANDSCPE CONTRACTOR UPON ASSESSMENT OF THE EXISTING SITE CONDITIONS. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER AND LANDSCAPE ARCHITECT IF THESE POORLY DRAINED CONDITIONS ARE FOUND DURING CONSTRUCTION.

The purpose of this adjustment is to provide for additional telecommunications equipment on an existing 250 foot tower. This adjustment is for AT & T Wireless Services equipment ***only***.

SITE PLAN
MINOR REVISION (S)
APPROVED
DATE: 2.9.01
SPTRC REP. [signature]

PRELIMINARY
NOT FOR CONSTRUCTION

[signature] 12/5/00

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COMMUNITY DEVELOPMENT
ST. LUCIE COUNTY, FL

TERRA TECTONICS
design group international, inc.
LANDSCAPE ARCHITECTS
LAND PLANNERS
URBAN DESIGNERS
2011 CLEVELAND ST. SUITE E
TAMPA, FLORIDA 33606
Fl. Reg. Lic. # 254
813 258-4504 ph.
813 258-4604 fx.

STS WIRELESS
5440 MARINER ST
SUITE 219
TAMPA, FL 33609
PHN (813) 282-4855
FAX (813) 282-8254

W. FT. PIERCE
SITE NO. FP-30
8107 ORANGE AVE.
FT. PIERCE, FL. 34945

AT&T
AT&T WIRELESS SERVICES, INC.
3405 FOREST HILL BLVD.
W. PALM BEACH, FLORIDA 33406

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	11/21/00	ISSUE FOR CONSTRUCTION/PERMIT			
A	10/03/00	ISSUE FOR REVIEW & COMMENT	RLD	CR	MR

SCALE AS SHOWN | DESIGNED | DRAWN TGM

STS WIRELESS
9913-42

JOB NO.	DRAWING NUMBER	REV
24445		0

615 1

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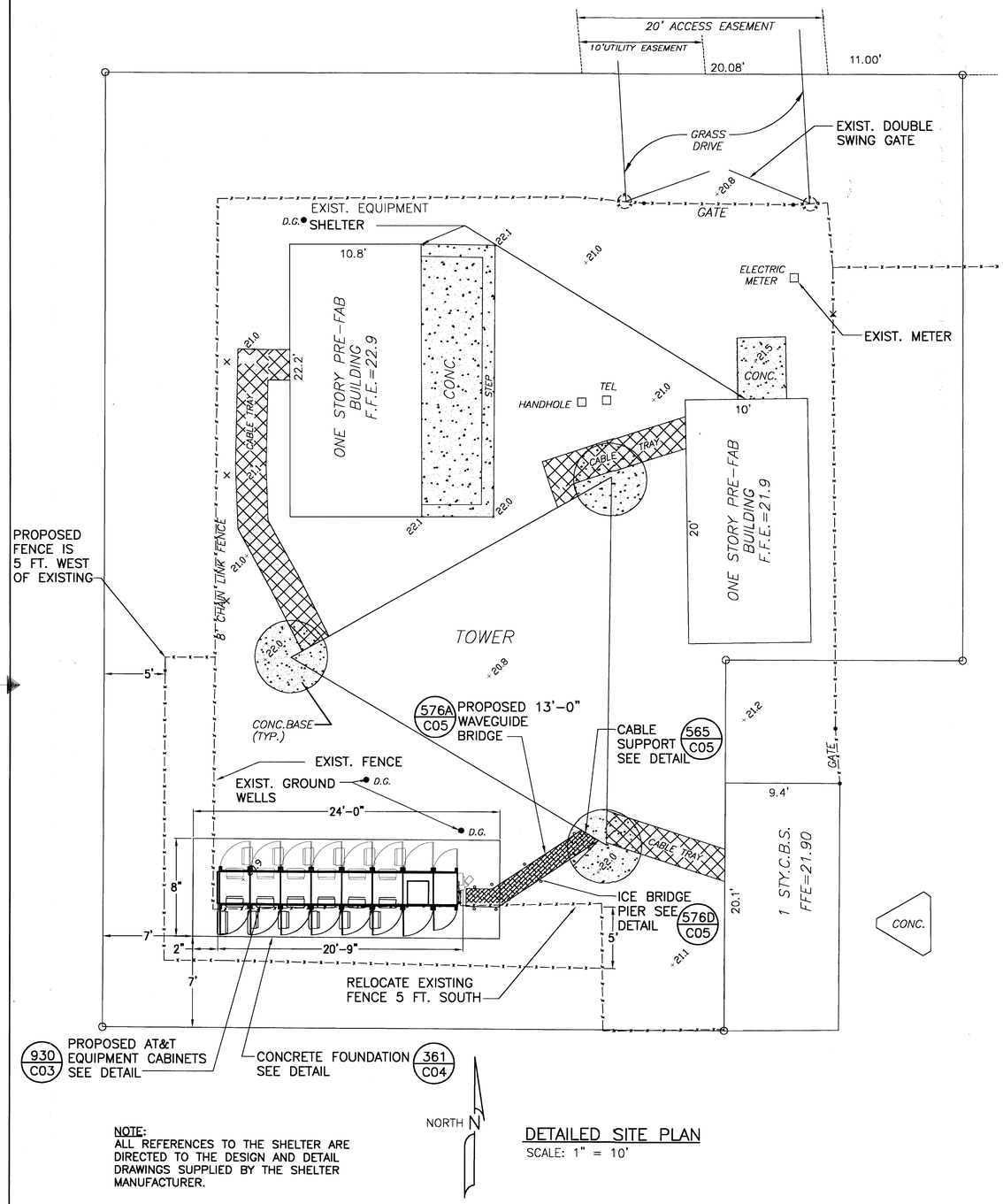
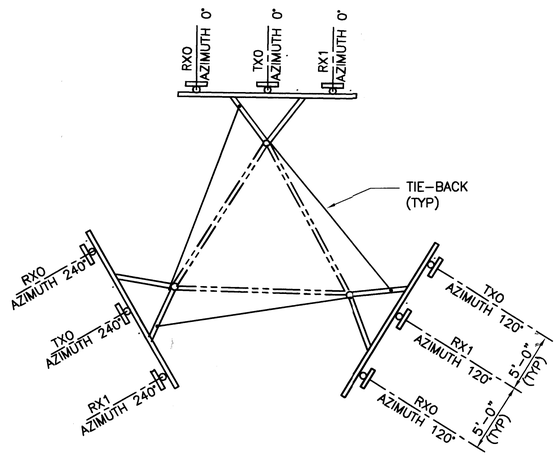


DETAILED SITE PLAN
SCALE: 1" = 10'

NOTE:
ALL REFERENCES TO THE SHELTER ARE DIRECTED TO THE DESIGN AND DETAIL DRAWINGS SUPPLIED BY THE SHELTER MANUFACTURER.



ANTENNA ORIENTATION PLAN
N.T.S.

SITE DATA:

PARENT TRACT AREA: 40.05 ACRES
LEASE PARCEL TRACT AREA: 0.11 ACRES
PROPERTY FOLIO NUMBER: 2310-411-001-000/7

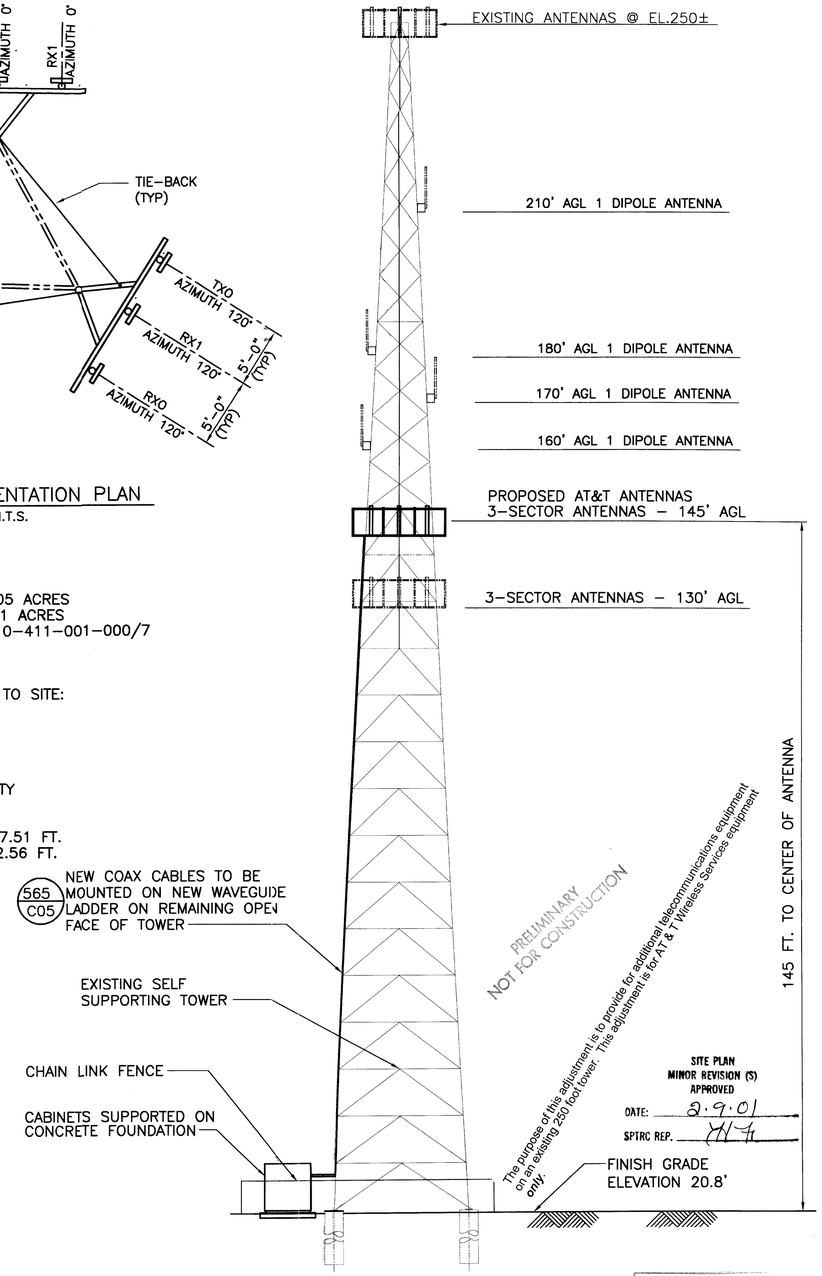
ZONING DATA:

ZONING CLASSIFICATION: U
SURROUNDING ZONING ADJACENT TO SITE:
NORTH: AR-1
SOUTH: AR-1
EAST: AG-1
WEST: AR-1

JURISDICTION: ST. LUCIE COUNTY

LEASE OFFSET DATA:

PROPERTY LINE TO NORTH: 667.51 FT.
PROPERTY LINE TO EAST: 332.56 FT.



TOWER ELEVATION
NTS

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ST. LUCIE COUNTY, FL

STS WIRELESS
5440 MARINER ST
SUITE 219
TAMPA, FL 33609
PHN (813) 282-4855
FAX (813) 282-8254

W. FT. PIERCE
SITE NO. FP-30
8107 ORANGE AVE.
FT. PIERCE, FL. 34945

AT&T
AT&T WIRELESS SERVICES, INC.
3405 FOREST HILL BLVD.
W. PALM BEACH, FLORIDA 33406

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	11/15/00	ISSUE FOR CONSTRUCTION/PERMIT			
A	10/03/00	ISSUE FOR REVIEW & COMMENT	RLD	CR	MR

SCALE AS SHOWN | DESIGNED | DRAWN

MARK V. RICHTER
FL P.E. 56196

STS WIRELESS
9913-42
CO-LOCATE
COMPOUND LAYOUT
WITH ELEVATION VIEW

JOB NO.	DRAWING NUMBER	REV
24445	4SF-FP30-Z02	0

615 1

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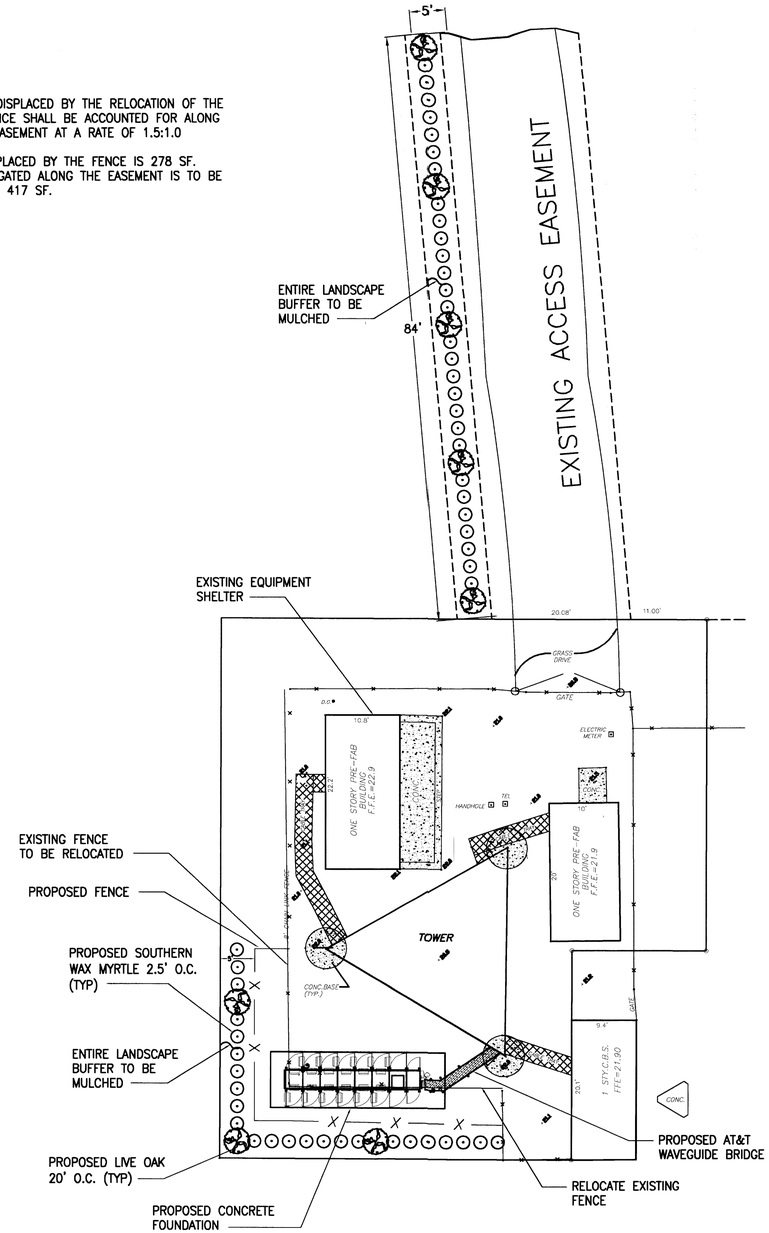
NOTE:
LANDSCAPING DISPLACED BY THE RELOCATION OF THE PROPOSED FENCE SHALL BE ACCOUNTED FOR ALONG THE ACCESS EASEMENT AT A RATE OF 1.5:1.0

THE AREA DISPLACED BY THE FENCE IS 278 SF.
THE AREA MITIGATED ALONG THE EASEMENT IS TO BE NO LESS THAN 417 SF.



LANDSCAPE PLAN
SCALE: 1" = 10'

NORTH

LANDSCAPING LEGEND

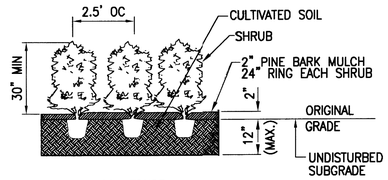
SYMBOL	BOTANICAL NAME	COMMON NAME	NUMBER REQUIRED (NATIVE & EVER*)	SPEC
⊙	MYRICA CERIFERA	SOUTHERN WAX MYRTLE	38*	3 GAL MIN 30" HGT 2.5' OC
	QUERCUS VIRGINIANA	LIVE OAK	6*	MIN 6' HGT 2" CAL 20' OC
	MULCH	PINE BARK MULCH	2" LAYER	ENTIRE BUFFER

NOTE:
1. ALL PROPOSED PLANTS ARE EVERGREEN AND NATIVE TO FLORIDA.

NOTES:

1. PLANTING AND BUFFERING TO BE PLANTED IN ACCORDANCE WITH THE ST. LUCIE COUNTY ZONING ORDINANCE AND ALL OTHER PERTINENT ORDINANCES AND REQUIREMENTS.
2. ALL SHRUBS AND GROUND COVER PLANTS SHALL BE QUALITY NURSERY GROWN MATERIAL COMPLYING WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN AND ANSI Z60.1. THEY SHALL BE SUPPLIED TO THE SITE FREE OF HARMFUL INSECTS, DISEASE, DISFIGUREMENT, OR DAMAGE TO ROOT BALLS, BARK, STEMS OR BRANCHES. ONE PLANT OF EACH SPECIES SHALL BEAR A LABEL LISTING THE FULL BOTANICAL NAME OF THE PLANT AND SHALL BE CERTIFIED BY THE SUPPLIER TO BE THE SPECIES LABELED.
3. ALL PLANTS SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER. PLANTS SHALL BE REPLACED DURING THIS PERIOD IF THEY DIE OR FAIL TO EXHIBIT TYPICAL GROWTH DURING THE FOLLOWING GROWING SEASON. THE REPLACEMENT PLANT SHALL MATCH THE ORIGINAL PLANT IN SIZE AND SPECIES. FURNISH THE OWNER WITH A WRITTEN STATEMENT OF MAINTENANCE PROCEDURES REQUIRED TO VALIDATE THE REPLACEMENT GUARANTEE.
4. TAKE EXTREME CARE IN HANDLING AND PLANTING ALL PLANTS TO PREVENT DAMAGE TO BARK, BRANCHES, AND ROOT BALLS.
5. PREPARE SHRUB PLANTING PIT WITH PROPER SIZE EXCAVATIONS AND BACK FILL DURING PLANTING WITH A PREPARED BACK FILL MIXTURE OF 2/3 CLEAN FRIABLE TOPSOIL, 1/3 PEAT MOSS. BACK FILL IN LAYERS WATER THOROUGHLY TO ALLOW EVEN SETTLEMENT.
6. MULCH ALL PLANTINGS WITH A FINELY SHREDDED BARK MULCH. THE MULCH SHALL BE AGED A MINIMUM OF 6 MONTHS. MULCH PLANTING BEDS OF SHRUB GROUPINGS AND GROUND COVERS ENTIRELY AROUND AND BETWEEN ALL PLANTS FOR A FULLY MULCHED BED DEPTH SHALL BE 3" MULCH. THE EDGE OF ALL MULCH BEDS SHALL BE CLEANLY CUT AND TAPERED TO MATCH SURROUNDING LAWN GRADES UNLESS EDGING IS SPECIFIED.
7. PLANT ROOT BALLS AT THE SAME RELATION TO GRADE AS PREVIOUSLY GROWN AT THE NURSERY. HIGH ROOT BALLS SHALL NOT BE ACCEPTED.
8. VERIFY LOCATIONS OF ALL UTILITIES BEFORE PLANTING.
9. REPAIR DAMAGE TO PAVING, CURBING, LAWN AREAS, UTILITIES, ETC. WHICH RESULTS FROM PLANTING OPERATIONS. REMOVE ALL STOCKPILES AND KEEP PREMISES CLEAN THROUGHOUT PLANTING DURATION.
10. EXISTING WEED GROWTH OR GRASS GROWTH IN AN AREA TO BE PLANTED SHALL BE ELIMINATED BEFORE PLANTING USING "ROUND-UP", "KLEAN-UP", OR OTHER HERBICIDE. REMOVE THE DEAD GROWTH BEFORE PREPARING A NEW PLANTING BED.

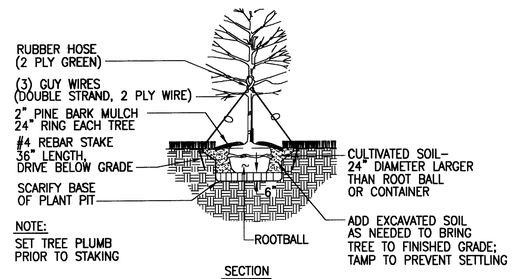
NOTE:
PROVIDE MULCH FOR DISTURBED AREAS AROUND LANDSCAPING



PLANTING PROCEDURE

1. LAY OUT BED.
2. ROTOTILL BED TO 12" DEPTH. INSTALL PLANTS AND MULCH. WATER THOROUGHLY.
3. IF UNABLE TO ROTOTILL DUE TO TREE ROOTS, DIG HOLE (FOR EACH PLANT) 12" WIDER AND 6" DEEPER THAN CONTAINER.

SHRUB DETAIL
NOT TO SCALE



NOTE:
SET TREE PLUMB PRIOR TO STAKING

SECTION

TREE DETAIL
NOT TO SCALE

The purpose of this adjustment is to provide for additional telecommunications equipment on an existing 250 foot tower. This adjustment is for AT & T Wireless Services equipment *only*.

SITE PLAN
MINOR REVISION (S)
APPROVED
DATE: 2-9-01
BETRC REP.

PRELIMINARY
NOT FOR CONSTRUCTION

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ST. LUCIE COUNTY, FL.

NOTE: THIS SHEET IS PRESENTED FOR REFERENCE ONLY AND IS NOT A CERTIFIED LANDSCAPE PLAN.

STS WIRELESS
5440 MARINER ST
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PHN (813) 282-4855
FAX (813) 282-8254

W. FT. PIERCE
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3405 FOREST HILL BLVD.
W. PALM BEACH, FLORIDA 33406

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	11/15/00	ISSUE FOR CONSTRUCTION/PERMIT	RLD	CR	MR
A	10/03/00	ISSUE FOR REVIEW & COMMENT			

SCALE AS SHOWN | DESIGNED | DRAWN

MARK V. RICHTER
FL P.E. 56196
11/15/2000

STS WIRELESS
9913-42

LANDSCAPE DETAILS

STS WIRELESS	JOB NO.	DRAWING NUMBER	REV
	24445	4SF-FP30-Z04	0

615

6 5 4 3 2 1
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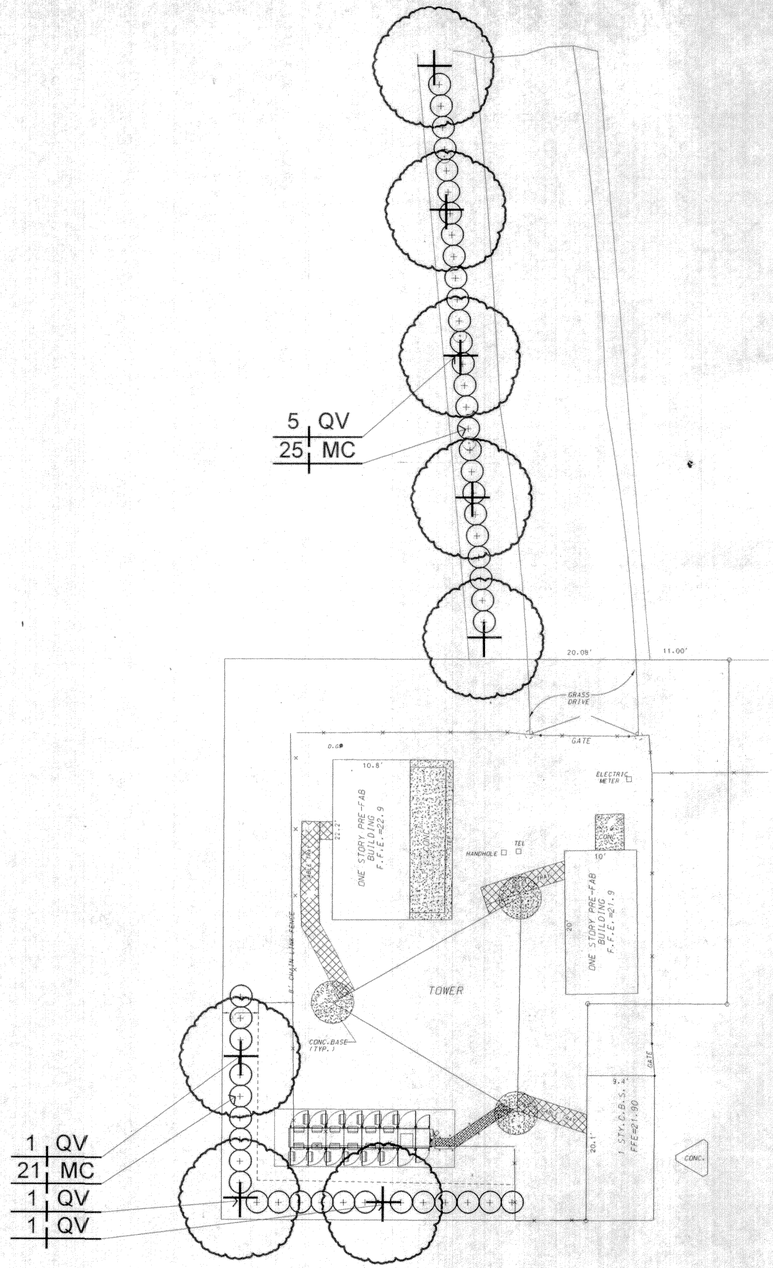
UTILITIES NOTE:
ALL UTILITIES TO REMAIN IN PLACE EXCEPT AS INDICATED ON THE DRAWINGS. CONTACT"ONE CALL" AT 1-800-432-4770 AT LEAST48 HOURS PRIOR TO EXCAVATION FOR VERIFICATION OF EXISTING UTILITY LOCATIONS. NOT ALL UTILITIES ARE MEMBERS OF THE "ONE CALL" SYSTEM; THEREFORE, DIRECT CONTACT WITH THE UTILITY COMPANY MAY BE REQUIRED.

MULCH NOTE:
A LAYER OF MULCH TO A MINIMUM DEPTH OF THREE (3) INCHES SHOULD BE PROVIDED IN PLANT BEDS AND AROUND INDIVIDUAL TREES IN TURFGRASS AREAS.



STS Wireless

West Fort Pierce, Site No. FP-30

Terra Tectonics design group international, inc. 813-258-4504

Date 11.20.00 Project No.

Quan	Sym	Common Name	Botanical Name	Specification
Trees				
8	QV	Live Oak	QUERCUS virginiana	8'-10' ht x 5' spread - 2-1/2" cal. B+B from a "Roots Plus Grower" such as Stewarts Tree Farm - Brooksville, FL
46	MC	Southern wax myrtle	MYRICA cerifera	5'-6' x 4' spr. 15 gal. or B+B nursery grown - and full; matching

Miscellaneous Plant Materials And Site Wok:

8 CY	Pine Bark Mulch	Cubic Yards - contr. to verify quantity
2 CY	Planting Soil	Cubic Yards

The purpose of this adjustment is to provide for additional telecommunications equipment on an existing 250 foot tower. This adjustment is for AT & T Wireless Services equipment ***only***.

SITE PLAN
MINOR REVISION (1)
APPROVED
DATE: 2.9.01
SPTRC REP.

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12/5/00

TERRA TECTONICS
design group international, inc.
LANDSCAPE ARCHITECTS
LAND PLANNERS
URBAN DESIGNERS
2011 CLEVELAND ST. SUITE E
TAMPA, FLORIDA 33606
FL Reg. Lic. # 254
813 258-4504 ph.
813 258-4504 fx.

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A	10/03/00	ISSUE FOR REVIEW & COMMENT	RLD	CR	MR

SCALE AS SHOWN DESIGNED DRAWN TGM

STS WIRELESS
9913-42

JOB NO.	DRAWING NUMBER	REV.
24445		0

615