

NEXTEL

COMMUNICATIONS

FT. LAUDERDALE MARKET

WINSTON PARK

**NEW 125 FOOT MONOPOLE WITH NEW ANTENNAS AND
NEW GROUND LEVEL EQUIPMENT SHELTER.**

SITE NUMBER FL 3672A

NEXTEL LEASE PARCEL LEGAL DESCRIPTION:

A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF PARCEL "E" OF SAID BANYAN TRAILS; THENCE SOUTH 00°12'12" ALONG THE EASTERLY LINE OF SAID PARCEL "E", SAID EASTERLY LINE ALSO BEING THE WESTERLY RIGHT-OF-WAY LINE OF N.W. 30TH AVENUE, A DISTANCE OF 422.99 FEET; THENCE SOUTH 89°00'48" WEST, A DISTANCE OF 259.92 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED NEXTEL LEASE SITE:

THENCE SOUTH 29°15'11" WEST, A DISTANCE OF 20.00 FEET; THENCE NORTH 60°44'49" WEST, A DISTANCE OF 40.00 FEET, THENCE NORTH 29°15'11" EAST, A DISTANCE OF 20.00 FEET; THENCE SOUTH 60°44'49" EAST, A DISTANCE OF 40.00 FEET, TO THE POINT OF BEGINNING.

CONTAINING 800 SQUARE FEET OR 0.0184 ACRES, MORE OR LESS.

W.L.FISH & COMPANY
PROFESSIONAL SURVEYORS AND MAPPERS

NEXTEL
COMMUNICATIONS

6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400



Kimley-Horn and Associates, Inc.
© 1998 KIMLEY-HORN AND ASSOCIATES, INC.
4431 EMBARGADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 815-0666

REGISTRATION NUMBERS

KIMLEY HORN & ASSOCS., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567
ANGELINA G. FAIRCHILD	PE 43958
SETH SCHMID	PE 54640

David Stewart

SEAL JAN 17 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL REP. _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: JANUARY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

T-1

SHEET TITLE

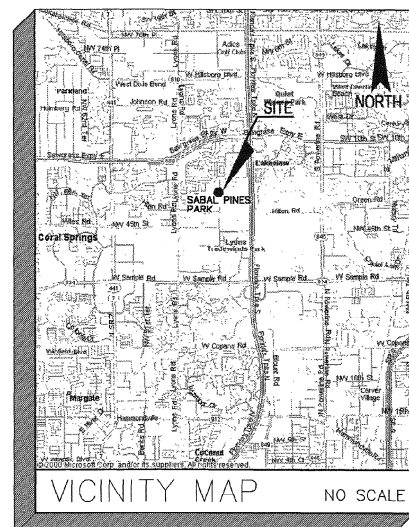
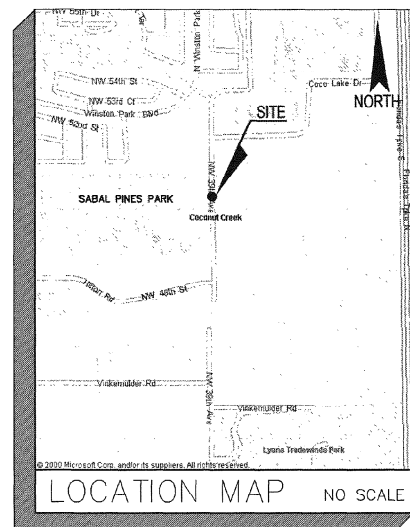
TITLE SHEET

DATE *2/1/01* BY *[Signature]*
PLANNING & ZONING
SHEET NUMBER

1

OF

17



STRUCTURAL ENGINEER: Kimley-Horn and Associates, Inc. © 1998 KIMLEY-HORN AND ASSOCIATES, INC. 4431 EMBARGADERO DRIVE, WEST PALM BEACH, FL 33407 PHONE: (561) 815-0666	CIVIL ENGINEER: Kimley-Horn and Associates, Inc. © 1998 KIMLEY-HORN AND ASSOCIATES, INC. 4431 EMBARGADERO DRIVE, WEST PALM BEACH, FL 33407 PHONE: (561) 815-0666
ELECTRICAL ENGINEER: C & W engineering ELECTRICAL CONSULTANTS 2128 S. CONGRESS AVE., 2E, W.F. FL 33408 (407) 812-5222	
LANDSCAPE ARCHITECT: Kimley-Horn and Associates, Inc. © 1998 KIMLEY-HORN AND ASSOCIATES, INC. 4431 EMBARGADERO DRIVE, WEST PALM BEACH, FL 33407 PHONE: (561) 815-0666	SURVEYOR: W.L.FISH & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS 100 S. HARRISON AVENUE SUITE 110 WEST PALM BEACH, FLORIDA 33411 (561) 833-8800

CONSULTANT TEAM

SITE NAME:	WINSTON PARK
SITE NUMBER:	FL 3672A
SITE ADDRESS:	SABAL PINES PARK 5005 NW 39TH AVENUE COCONUT CREEK, FL 33063
PROPERTY OWNER:	CITY OF COCONUT CREEK 4800 W. COPANS ROAD COCONUT CREEK, FL 33063
CONTACT PERSON:	LARRY BROWN ENGINEERED ENVIRONMENTS 990 S. ROGERS CIR., SUITE 4 BOCA RATON, FL 33487 (561) 241-8403
APPLICANT:	NEXTEL 6700 N. ANDREWS AVENUE SUITE 700 FT. LAUDERDALE, FL 33309
CURRENT ZONING:	PUD

PROJECT SUMMARY

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
	SURVEY
G-1	GENERAL NOTES #1
G-2	GENERAL NOTES #2
G-3	GENERAL NOTES #3
C-1	SABAL PINES PARK MASTER PLAN
C-2	NEXTEL SITE PLAN
C-3	DETAILS
C-4	SERVICE GATE AND FENCE DETAILS
C-5	MONOPOLE ELEVATION
S-1	SHELTER FOUNDATION
LA-1	LANDSCAPE PLAN
LA-2	LANDSCAPE DETAILS
IR-1	IRRIGATION PLAN
IR-2	IRRIGATION DETAILS
E-1	ELECTRICAL SITE PLAN
E-2	ELECTRICAL DETAILS

SHEET INDEX



LOCATION MAP
NOT TO SCALE

LEGEND:

- P.O.B. — DENOTES POINT OF BEGINNING
- P.O.C. — DENOTES POINT OF COMMENCEMENT
- P.O.T. — DENOTES POINT OF TERMINATION
- L.B. — DENOTES LICENSED BUSINESS
- CONC. — DENOTES CONCRETE
- (TYP.) — DENOTES TYPICAL
- B.C.R. — DENOTES DIMENSION TAKEN FROM PLAT
- P.B.C.R. — DENOTES BROWARD COUNTY RECORDS
- P.B. — DENOTES PALM BEACH COUNTY RECORDS
- P.B. — DENOTES PLAT BOOK
- P.G. — DENOTES PAGE
- C.B.S. — DENOTES CONCRETE BLOCK & STUCCO
- F.P.L. — DENOTES FLORIDA POWER & LIGHT CO.
- R/W — DENOTES RIGHT-OF-WAY
- R — DENOTES RADIUS
- D — DENOTES DELTA (CENTRAL) ANGLE
- A — DENOTES ARC LENGTH
- E — DENOTES CENTERLINE
- ± — DENOTES SPOT ELEVATION

FLOOD ZONE DATA:

FLOOD ZONE X
BASE FLOOD ELEVATION N/A
FAP NO. 12011C0115 F
COMMUNITY NO. 120031
PANEL NO. 0115
SUFFIX F
DATE OF FIRM AUGUST 18, 1992

"2C" COORDINATE DATA:

NAD 1927 VALUE
LATITUDE = 26°17'34.06" NORTH
LONGITUDE = 80°10'37.68" WEST
NAD 1983 VALUE
LATITUDE = 26°17'35.36" NORTH
LONGITUDE = 80°10'36.84" WEST
GROUND ELEVATION = 13.3 N.G.V.D. '29

PARENT TRACT LEGAL DESCRIPTION:

ALL OF TRACT "B" AND THAT CERTAIN 100 FOOT CANAL, RIGHT-OF-WAY AS SHOWN ON WINSTON PARK SECTION TWO, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 136, PAGE 1 OF SAID PUBLIC RECORDS, TOGETHER WITH ALL OF PARCEL "E" AND A PORTION OF PARCEL "C" AS SHOWN ON BANYAN TRAILS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 154, PAGE 3, OF SAID PUBLIC RECORDS, TOGETHER WITH ALL OF PARCEL "B", COCO LAKES, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 155, PAGE 25 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, TOGETHER WITH A PORTION OF THAT CERTAIN ROAD RESERVATION AS VACATED BY OFFICIAL RECORDS BOOK 15870, PAGE 4 OF SAID PUBLIC RECORDS, TOGETHER WITH A PORTION OF THAT CERTAIN ROAD RESERVATION AS SHOWN ON THE PLAT OF PALM BEACH FARMS COMPANY PLAT NO. 3, AS RECORDED IN PLAT BOOK 3, PAGES 45 THRU 54 (INCLUSIVE) OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: SEE NOTE BELOW

BEGINNING AT THE SOUTH-EAST CORNER OF SAID PARCEL "B", ALSO BEING THE NORTH-EAST CORNER OF SAID PARCEL "C", THENCE SOUTH 00°50'22" E. A DISTANCE OF 1078.65 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT, THENCE SOUTHEAST ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 94.84 FEET AND A CENTRAL ANGLE OF 25°44'49", A DISTANCE OF 238.84 FEET, THENCE NORTH 02°00'16" WEST, NON-RADIAL TO THE LAST DESCRIBED CURVE, A DISTANCE OF 238.41 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE LEFT, THENCE WESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 491.00 FEET AND A CENTRAL ANGLE OF 37°00'08", A DISTANCE OF 317.09 FEET, THENCE NORTH 07°59'30" WEST, NON-RADIAL TO THE LAST DESCRIBED CURVE, A DISTANCE OF 144.70 FEET, THENCE NORTH 02°22'16" WEST, A DISTANCE OF 94.84 FEET, THENCE NORTH 81°03'06" WEST, A DISTANCE OF 202.30 FEET, THENCE SOUTH 42°00'10" WEST, A DISTANCE OF 31.48 FEET, THENCE NORTH 81°38'40" WEST, A DISTANCE OF 145.88 FEET, THENCE SOUTH 25°19'25" WEST, A DISTANCE OF 126.68 FEET, THENCE SOUTH 52°59'35" WEST, A DISTANCE OF 226.06 FEET, THENCE SOUTH 39°30'04" WEST, A DISTANCE OF 119.84 FEET, THENCE NORTH 15°20'08" WEST, ALONG THE SOUTHWEST BOUNDARY OF SAID PARCEL "E", AND THE SOUTHEASTERNLY PROJECTION THEREOF, A DISTANCE OF 408.56 FEET TO THE SOUTHEAST CORNER OF LOT 64 OF SAID WINSTON PARK SECTION TWO, THENCE NORTH 00°24'54" WEST, ALONG THE EAST BOUNDARY OF SAID LOT 64 AND THE NORTHERLY PROJECTION THEREOF, ALSO BEING ALONG THE WEST BOUNDARY OF SAID PARCEL "E", A DISTANCE OF 674.88 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "E", THENCE NORTH 89°37'08" EAST, ALONG THE NORTH BOUNDARY OF SAID PARCEL "E" AND CONTINUING ALONG THE NORTH BOUNDARY OF SAID PARCEL "E", A DISTANCE OF 1815.69 FEET TO THE INTERSECTION WITH THE INTERSECTION WITH THE SOUTHERLY PROJECTION OF THE WEST BOUNDARY OF SAID TRACT "B", THENCE NORTH 00°50'22" WEST, ALONG SAID SOUTHERLY PROJECTION, A DISTANCE OF 15.00 FEET TO THE SOUTH WEST CORNER OF SAID TRACT "B", THENCE CONTINUE NORTH 00°50'22" WEST ALONG SAID WEST BOUNDARY OF TRACT "B", A DISTANCE OF 672.34 FEET TO A POINT ON THE SOUTHEAST RIGHT-OF-WAY OF WINSTON PARK BOULEVARD AS SHOWN ON SAID WINSTON PARK SECTION TWO, THE RADIUS POINT OF THE NEXT DESCRIBED CURVE BEARS NORTH 43°47'21" WEST FROM SAID POINT, THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, ALSO BEING ALONG SAID WINSTON PARK BOULEVARD RIGHT-OF-WAY, HAVING A RADIUS OF 630.00 FEET AND A CENTRAL ANGLE OF 00°13'39", A DISTANCE OF 2.50 FEET, THENCE NORTH 80°22'27" EAST, NON-TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 84.27 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT, THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY, ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 25.00 FEET AND A CENTRAL ANGLE OF 89°10'28", A DISTANCE OF 25.82 FEET TO A POINT OF REVERSE CURVATURE, THENCE SOUTHEASTERLY, EASTERLY AND NORTHEASTERLY, ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 25.00 FEET AND A CENTRAL ANGLE OF 89°10'28", A DISTANCE OF 25.82 FEET TO A POINT OF REVERSE CURVATURE, THENCE NORTHEASTERLY, EASTERLY AND NORTHEASTERLY, ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 25.00 FEET AND A CENTRAL ANGLE OF 89°10'28", A DISTANCE OF 25.82 FEET TO THE POINT OF TANGENCY, THENCE NORTH 84°38'41" EAST, A DISTANCE OF 119.16 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "E", THE RADIUS POINT OF THE NEXT DESCRIBED CURVE BEARS SOUTH 08°33'01" WEST FROM SAID CORNER, THENCE EASTERLY, SOUTHEASTERLY AND SOUTHERLY, ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 270.00 FEET AND A CENTRAL ANGLE OF 80°36'37", A DISTANCE OF 379.87 FEET TO THE POINT OF TANGENCY, THENCE SOUTH 00°50'12" E. A DISTANCE OF 339.95 FEET TO THE POINT OF BEGINNING, THE LAST TWO (2) DESCRIBED COURSES BEING ALONG THE WESTERLY BOUNDARY OF N.W. 39th AVENUE AS SHOWN ON SAID COCO LAKES PLAT.

*NOTE: PARCEL "D", BANYAN TRAILS, PLAT BOOK 154, PAGE 3 AS RECORDED IN THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, WAS NOT INCLUDED IN DESCRIPTION CAPTION AND SHOULD BE.

CONTAINING 54.108 ACRES, MORE OR LESS.

NEXTEL LEASE SITE LEGAL DESCRIPTION:

A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF PARCEL "E" OF SAID BANYAN TRAILS, THENCE SOUTH 00°30'12" E. ALONG THE EASTERLY LINE OF SAID PARCEL "E", SAID EASTERLY LINE ALSO BEING THE WESTERLY RIGHT-OF-WAY LINE OF N.W. 39th AVENUE, A DISTANCE OF 422.99 FEET, THENCE SOUTH 89°09'48" WEST, A DISTANCE OF 259.92 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED NEXTEL LEASE SITE:

THENCE SOUTH 29°15'11" WEST, A DISTANCE OF 20.00 FEET; THENCE NORTH 80°44'49" WEST, A DISTANCE OF 40.00 FEET; THENCE NORTH 29°15'11" EAST, A DISTANCE OF 20.00 FEET; THENCE SOUTH 80°44'49" EAST, A DISTANCE OF 40.00 FEET, TO THE POINT OF BEGINNING.

CONTAINING 800 SQUARE FEET OR 0.0184 ACRES, MORE OR LESS.

NEXTEL ACCESS EASEMENT LEGAL DESCRIPTION:

A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF PARCEL "E" OF SAID BANYAN TRAILS, THENCE SOUTH 00°30'12" E. ALONG THE EASTERLY LINE OF SAID PARCEL "E", SAID EASTERLY LINE ALSO BEING THE WESTERLY RIGHT-OF-WAY LINE OF N.W. 39th AVENUE, A DISTANCE OF 422.99 FEET, THENCE SOUTH 89°09'48" WEST, A DISTANCE OF 259.92 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED NEXTEL LEASE SITE:

THENCE SOUTH 29°15'11" WEST, A DISTANCE OF 20.00 FEET; THENCE NORTH 80°44'49" WEST, A DISTANCE OF 40.00 FEET; THENCE NORTH 29°15'11" EAST, A DISTANCE OF 20.00 FEET; THENCE SOUTH 80°44'49" EAST, A DISTANCE OF 40.00 FEET, TO THE POINT OF BEGINNING.

CONTAINING 800 SQUARE FEET OR 0.0184 ACRES, MORE OR LESS.

A STRIP OF LAND 20.00 FEET IN WIDTH, FOR ACCESS EASEMENT PURPOSES, SAID STRIP LYING WITHIN A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA AND THAT CERTAIN 100 FOOT CANAL RIGHT-OF-WAY AS SHOWN ON WINSTON PARK SECTION TWO, AS RECORDED IN PLAT BOOK 136, PAGE 1, OF SAID PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, A PORTION OF A 25 FOOT RIGHT-OF-WAY, AS SHOWN ON THE PLAT OF PALM BEACH FARMS COMPANY "B" PLAT NO. 2, PLAT BOOK 2, PAGES 345 THROUGH 348, INCLUSIVE, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, AND A PORTION OF PARCEL "B", COCO LAKES, AS RECORDED IN PLAT BOOK 155, PAGE 25, OF SAID PUBLIC RECORDS OF BROWARD COUNTY, THE SIDELINES OF SAID ACCESS EASEMENT LYING 10.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCE AT THE MOST EASTERLY CORNER (POINT OF BEGINNING) OF THE PREVIOUSLY DESCRIBED NEXTEL LEASE SITE, THENCE SOUTH 29°15'11" WEST, ALONG THE SOUTHEASTERLY LINE OF SAID NEXTEL LEASE SITE, A DISTANCE OF 20.00 FEET; THENCE NORTH 80°44'49" WEST, ALONG THE SOUTHWESTERLY LINE OF SAID NEXTEL LEASE SITE, A DISTANCE OF 40.00 FEET; THENCE NORTH 29°15'11" EAST, ALONG THE NORTHWESTERLY LINE OF SAID NEXTEL LEASE SITE, A DISTANCE OF 10.00 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED CENTERLINE:

THENCE NORTH 80°44'49" WEST, DEPARTING SAID NORTHWESTERLY LINE, A DISTANCE OF 10.00 FEET; THENCE NORTH 00°55'40" WEST, A DISTANCE OF 46.78 FEET; THENCE NORTH 19°55'49" WEST, A DISTANCE OF 117.75 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH-EAST AND HAVING A RADIUS OF 15.00 FEET; THENCE WESTERLY, NORTHWESTERLY AND NORTHERLY, 23.31 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 89°02'03", TO A POINT OF TANGENCY; THENCE NORTH 00°53'48" WEST, A DISTANCE OF 113.72 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHWEST, AND HAVING A RADIUS OF 15.00 FEET; THENCE NORTHERLY, NORTHWESTERLY AND WESTERLY, 23.59 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 89°02'03", TO A POINT OF TANGENCY; THENCE SOUTH 89°02'50" WEST, A DISTANCE OF 59.57 FEET, THENCE NORTH 00°43'08" WEST, A DISTANCE OF 112.75 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST AND HAVING A RADIUS OF 185.00 FEET; THENCE NORTHERLY, NORTHEASTERLY AND EASTERLY, 288.66 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 89°24'03", TO A POINT OF TANGENCY; THENCE NORTH 89°40'58" EAST, A DISTANCE OF 114.38 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST AND HAVING A RADIUS OF 175.00 FEET; THENCE EASTERLY AND SOUTHEASTERLY, 89.74 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 29°22'25", TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE TO THE NORTHEAST, AND HAVING A RADIUS OF 175.00 FEET; THENCE SOUTHEASTERLY AND EASTERLY, 88.27 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 28°15'38", TO A POINT OF TANGENCY; THENCE NORTH 19°55'49" EAST, A DISTANCE OF 46.82 FEET, TO A POINT ON THE EASTERLY LINE OF SAID PARCEL "B", COCO LAKES AND THE POINT OF TERMINATION OF SAID CENTERLINE.

NOTES:

- NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- NO ABSTRACT OF THE PUBLIC RECORDS FOR EASEMENTS OR RIGHTS-OF-WAY WAS PROVIDED TO OR CONDUCTED BY THIS OFFICE.
- BENCHMARK USED: THE BENCHMARK USED IS A BROWARD COUNTY ENGINEERING DIVISION BENCHMARK NO. 2764, WHICH IS A STANDARD BRASS CAP STAKED BM #280 IN STANDARD 36" X 4" CONCRETE MONUMENT, 4 1/2' SOUTH OF CENTERLINE VINCEMULDER ROAD AND 5 1/2' EAST OF EAST PAVEMENT NORTHWEST 39th AVENUE (UNDER TRADEWINDS PARK SIGN), PUBLISHED ELEVATION BY THE BROWARD COUNTY ENGINEERING DIVISION IS ELEVATION 15.131 N.G.V.D. 1929.
- THIS SKETCH REPRESENTS A BOUNDARY SURVEY OF THE NEXTEL LEASE SITE ONLY.
- ABOVE GROUND IMPROVEMENTS WERE LOCATED ONLY AS SPECIFIED BY NEXTEL AND SUBCONTRACTORS.
- BEARINGS SHOWN HEREON ARE BASED ON A GRID BEARING OF NORTH 02°09'18" WEST BETWEEN POINT E07 AND E08 OF THE EASTERN BROWARD COUNTY HORIZONTAL GPS CONTROL NETWORK (NAD83/B03). THE GRID CLARING NOTED ABOVE IS BASED UPON STATE PLANE COORDINATES, NORTH ARIZONA DATUM OF 1983 (1980 ADJUSTMENT), FLORIDA EAST ZONE, TRANSVERSE MERCATOR PROJECTION AS PROVIDED BY THE BROWARD COUNTY ENGINEERING DIVISION, SURVEY SECTION.
- THE SURVEY INFORMATION FOR THE PARENT TRACT, AS SHOWN HEREON, IS BASED UPON A BOUNDARY, TOPOGRAPHIC AND TREE SURVEY BY CRAVEN - THOMPSON & ASSOCIATES, INC. FOR SABAL PINES PARK, PROJECT NO. 98-0046. NOTE: BEARINGS FROM SAID SURVEY ARE BASED UPON A BEARING OF SOUTH 00°50'22" EAST ALONG THE EASTERLY BOUNDARY OF PARCEL "E", AS SHOWN HEREON, WITH A GRID BEARING OF SOUTH 00°50'12" EAST. THE REFERENCED SURVEY BEARINGS ARE ROTATED 00°00'10" COUNTER CLOCKWISE FROM THE GRID BEARINGS SHOWN HEREON.

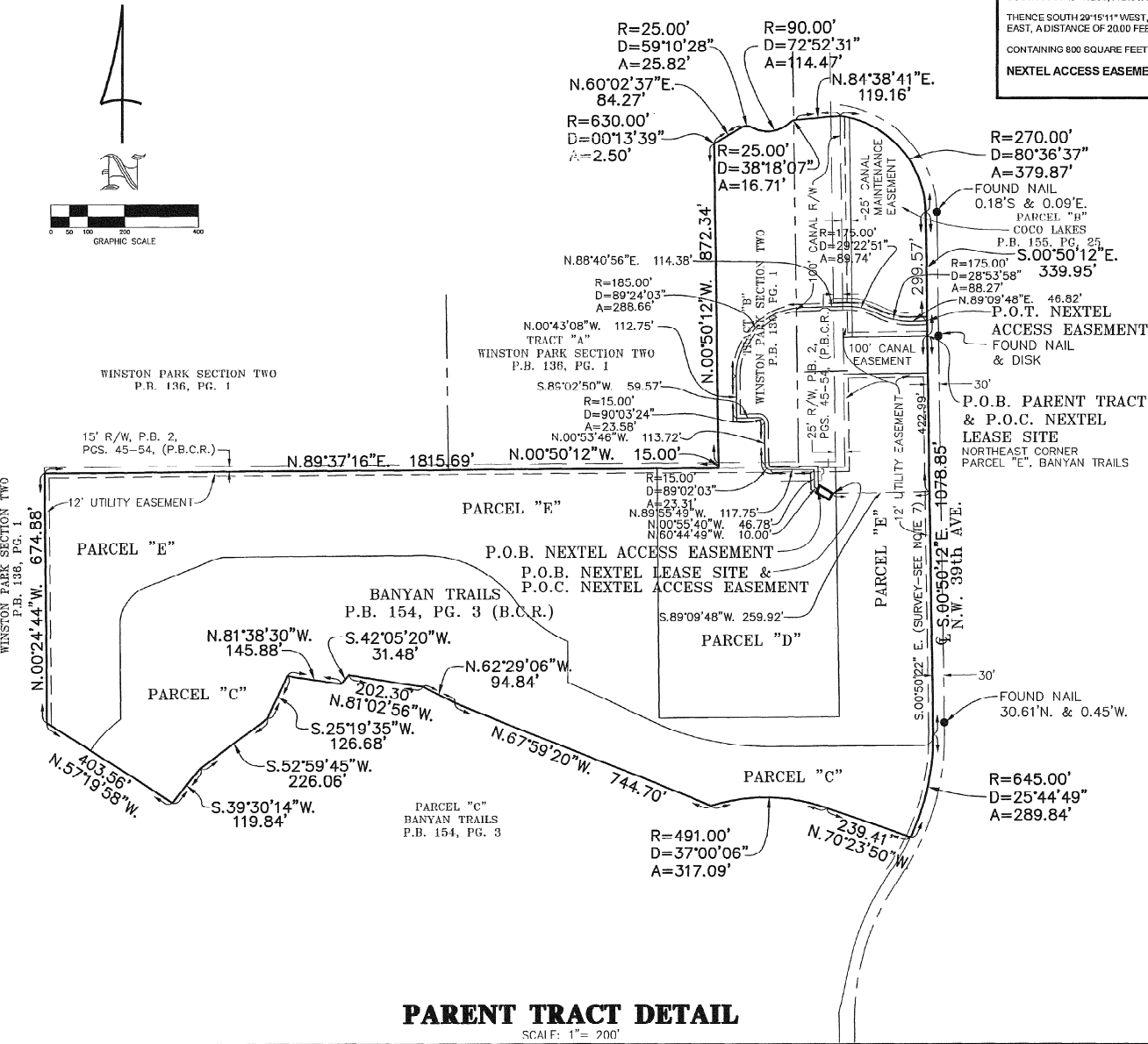
CERTIFICATION:

I HEREBY CERTIFY THAT THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREON MEETS THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES.

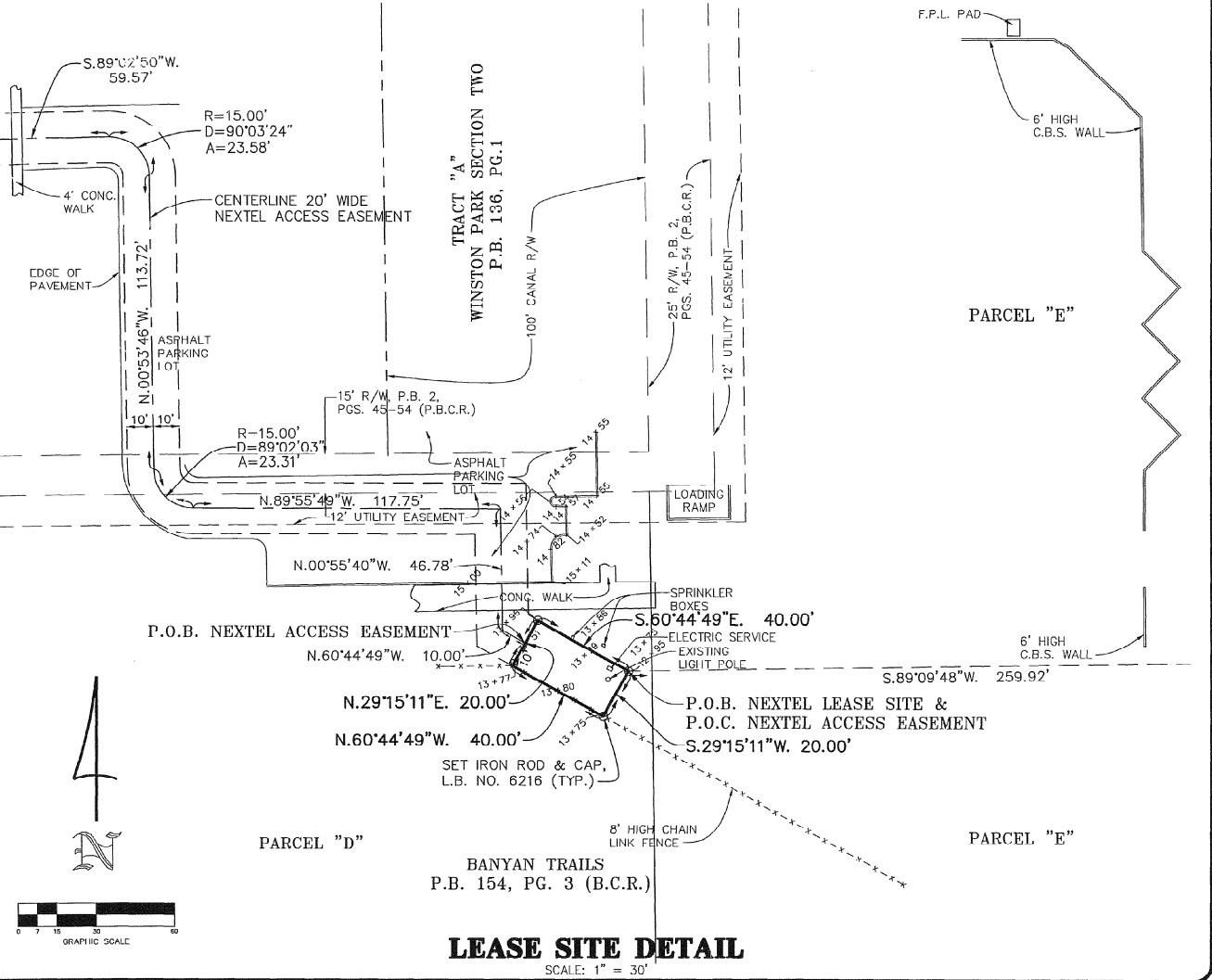
W. L. FISH & COMPANY, INC.

BY: W. L. FISH
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA STATE REG. NO. 3238

DATE OF LAST FIELD WORK: OCTOBER 25, 2000



PARENT TRACT DETAIL
SCALE: 1" = 200'



LEASE SITE DETAIL
SCALE: 1" = 30'

BOUNDARY AND TOPOGRAPHIC SURVEY OF
LEASE SITE FOR:
**NEXTEL SITE FL-3672-B,
TP/WINSTON PARK
BROWARD COUNTY, FLORIDA**

REVISIONS:
A 3/17/01 CHANGED SHEET NUMBER

NOT VALID WITHOUT
EMBOSSED SURVEYOR'S SEAL

W. L. FISH & COMPANY, INC.
PROFESSIONAL SURVEYORS AND MAPPERS
105 S. N. 39th Ave., Suite 712, West Palm Beach, Florida 33401
Phone: (561) 833-5001 Fax: (561) 659-6745
E-mail: mappers@wlfish.com

DRAWN:
M. LA TOUR

CHECKED:
W. L. FISH

DATE:
10/25/2000

JOB NO.
2000-284

SHEET NO.
2 OF 17

METALS

PART 1 - GENERAL

1. SECTION INCLUDES:

STRUCTURAL-STEEL-FRAMING-MEMBERS, BASE-PLATES, PLATES, BARS AND GROUTING UNDER BASE PLATES.

2. SUBMITTALS:

SHOP DRAWINGS: INDICATE SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, CONNECTIONS, CAMBERS, LOADS, AND WELDED SECTIONS.

3. QUALITY ASSURANCE

A. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

B. PERFORM DESIGN UNDER DIRECT SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE.

PART 2 - PRODUCTS

1. MATERIALS:

A. STRUCTURAL STEEL MEMBERS: ASTM A36
B. STRUCTURAL TUBING: ASTM A501, GRADE B
C. PIPE: ASTM A53, TYPE E OR S, GRADE B
D. GALVANIZING: ASTM A36
E. BOLTS, NUTS AND WASHERS: ASTM A325
F. ANCHOR BOLTS: ASTM A307
G. WELDING MATERIALS: AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED
H. GROUT: NON-SHRINK TYPE, PREMIXED COMPOUND CONSISTING OF NONMETALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI AT 28 DAYS.

I. SHOP AND TOUCH-UP PRIMER: SSPC 15, TYPE 1, RED OXIDE
J. TOUCH-UP PRIMER FOR GALV.: ZINC RICH TYPE SURFACES

2. FABRICATION

CONTINUOUSLY SEAL JOINTED MEMBERS BY CONTINUOUS WELDS. GRIND EXPOSED WELDS SMOOTH.

3. FINISH

A. PREPARE STRUCTURAL COMPONENT SURFACES IN ACCORDANCE WITH SSPC SP-1 TO SP-10 PROCEDURES.

B. SHOP PRIME STRUCTURAL STEEL MEMBERS. DO NOT PRIME SURFACES THAT WILL BE FIELD WELDED, IN CONTACT WITH CONCRETE, OR HIGH STRENGTH BOLTED.

PART 3 - EXECUTION

1. EXAMINATION AND PREPARATION

VERIFY THAT THE FIELD CONDITIONS ARE ACCEPTABLE.

2. ERECTION

A. ALLOW FOR ERECTION LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN FRAMING IN ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRIDGING AND BRACING.

B. FIELD WELD COMPONENTS INDICATED ON SHOP DRAWINGS.

C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.

D. AFTER ERECTION, PRIME WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED OR GALVANIZED EXCEPT SURFACES TO BE IN CONTACT WITH CONCRETE.

3. FIELD QUALITY CONTROL

FIELD INSPECTION OF MEMBERS, CONNECTIONS, WELDS AND TORQUING.

PART 1 - GENERAL

1. SCOPE

A. GENERAL WELDING REQUIREMENTS FOR ALL PORTIONS OF THE PROJECT (FIELD & SHOP).

B. SECTION COVERING PARTS OF THE PROJECT THAT REQUIRE WELDING, WELDING CODES, WELDING DOCUMENTATION, WELDING INSPECTION & NONDESTRUCTIVE TESTING REQUIREMENTS.

2. SUBMITTALS

A. THE FOLLOWING SPECIFIC INFORMATION SHALL BE PROVIDED BY THE CONTRACTOR

1. WELDING PROCEDURE: CONTRACTOR SHALL SUBMIT ALL SHOP AND FIELD WELDING PROCEDURE SPECIFICATIONS AND SUPPORTING WELDING PROCEDURE QUALIFICATION RECORDS FOR REVIEW PRIOR TO ANY WELDING. WELDING DOCUMENTATION SHALL BE SUBMITTED ON APPROPRIATE FORMS FOUND IN THE APPENDIXES TO THE REFERENCED WELDING CODES.

2. WELDER/WELDING OPERATOR QUALIFICATIONS: THE CONTRACTOR SHALL SUBMIT ALL SHOP AND FIELD WELDER OR WELDING OPERATOR PERFORMANCE QUALIFICATION RECORDS PRIOR TO ANY WELDING. WELDING DOCUMENTATION SHALL BE SUBMITTED ON APPROPRIATE FORMS FOUND IN THE APPENDIXES OF REFERENCED WELDING CODES.

3. WELDING INSPECTOR CREDENTIALS: IF SPECIFIED TO PROVIDE ON SITE WELDING INSPECTION, THE CONTRACTOR SHALL SUBMIT THE CREDENTIALS OF THE WELDING INSPECTOR TO BE EMPLOYED BY THE CONTRACTOR FOR REVIEW BY THE CONSTRUCTION MANAGER PRIOR TO STARTING ANY WELDING. THE CREDENTIALS SHALL INCLUDE, BUT NOT BE LIMITED TO, AMERICAN WELDING SOCIETY OOI CERTIFICATION. THE WELDING INSPECTOR SHALL HAVE PRIOR INSPECTION EXPERIENCE WITH ALL APPLICABLE WELDING CODES. THE WELDING INSPECTOR SHALL BE PRESENT WHENEVER ANY SHOP OR FIELD WELDING IS PERFORMED. THE DUTIES OF THE WELDING INSPECTOR SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

- VERIFYING JOB MATERIAL AND STORAGE
- MONITOR CONFORMANCE WITH APPROVED WELDING PROCEDURE SPECIFICATIONS
- CHECK WELDING AND WELDING OPERATOR QUALIFICATION
- SUPERVISE NONDESTRUCTIVE TESTING PERSONNEL AND EVALUATION OF TEST RESULTS
- MAINTAIN RECORDS AND PREPARE REPORTS

4. TESTING AGENCY CREDENTIALS: THE CONTRACTOR SHALL RETAIN A QUALIFIED TESTING AGENCY EMPLOYING PERSONNEL EXPERIENCED IN NONDESTRUCTIVE TESTING. THE TESTING AGENCY SHALL PERFORM RADIOGRAPHY, ULTRASONIC, MAGNETIC PARTICLE, LIQUID PENETRANT, AND OTHER TESTING METHODS AS SPECIFIED. PERSONNEL EMPLOYED BY THE TESTING AGENCY SHALL BE CERTIFIED IN ACCORDANCE WITH THE CURRENT AMERICAN SOCIETY OF NON DESTRUCTIVE TESTING (4153 ARLINGATE PLAZA, COLUMBUS, OH 43228) RECOMMENDED PRACTICE NO. SNT-TC-1A AND ALL SUPPLEMENTS, NOT LEVEL II. THE CONTRACTOR SHALL SUBMIT THE CREDENTIALS OF THE TESTING AGENCY AND PERSONNEL FOR REVIEW BY THE CONSTRUCTION MANAGER PRIOR TO ANY WELDING.

5. NONDESTRUCTIVE TESTING PROCEDURE SPECIFICATIONS: THE CONTRACTOR SHALL SUBMIT ALL NONDESTRUCTIVE TESTING PROCEDURE SPECIFICATIONS FOR REVIEW BY THE CONSTRUCTION MANAGER PRIOR TO ANY WELDING.

PART 2 - EXECUTION

1. GENERAL

A. ALL WELDING AND FABRICATION BY WELDING SHALL CONFORM TO GOVERNING WELDING CODES.

2. NONDESTRUCTIVE WELD TESTING REQUIREMENTS

A. ALL WELDS

1. PERFORM NONDESTRUCTIVE TESTING OF WELDS AS FOLLOWS:

a. 10 PERCENT OF THE BUTT JOINT WELDS SHALL BE RANDOMLY RADIOGRAPHICALLY TESTED AND REPAIRED IN ACCORDANCE WITH THE REFERENCED WELDING CODES. SELECTION OF THE WELDS TO BE TESTED SHALL BE AS AGREED UPON BETWEEN THE CONSTRUCTION MANAGER AND THE CONTRACTOR.

b. GROOVE WELDS SHALL BE 100 PERCENT ULTRASONICALLY TESTED AND REPAIRED IN ACCORDANCE WITH THE REFERENCED WELDING CODES. SELECTION OF THE WELDS TO BE TESTED SHALL BE AS AGREED UPON BETWEEN THE CONSTRUCTION MANAGER AND THE CONTRACTOR.

c. FILLET WELDS, SHALL BE 10 PERCENT RANDOMLY EXAMINED USING EITHER DYE PENETRANT OR MAGNETIC PARTICLE INSPECTION METHODS.

d. ALL WELDS SHALL BE VISUALLY INSPECTED IN ACCORDANCE WITH ANSI/AWS D1.1-92, PARAGRAPH 8.15.1.

2. UNLESS OTHERWISE SPECIFIED, ALL NONDESTRUCTIVE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 6 OF ANSI/AWS D1.1-92 AND THE FOLLOWING. THE STANDARDS FOR RADIOGRAPHIC ACCEPTANCE SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1, PARAGRAPH 8.15.3. THE STANDARDS FOR ULTRASONIC ACCEPTANCE SHALL BE CLASS B INDICATIONS IN ACCORDANCE WITH ANSI/AWS D1.1, PARAGRAPH 8.15.4. THE STANDARDS OF ACCEPTANCE FOR BOTH DYE PENETRANT AND MAGNETIC PARTICLE INSPECTION METHODS SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1-92, VISUAL INSPECTION, PARAGRAPH 8.15.5.

3. WELD DEFECTS REPAIR

A. REJECTED WELDS SHALL BE REPAIRED AND RETESTED UNTIL SOUND WELD METAL HAS BEEN DEPOSITED IN ACCORDANCE WITH APPROPRIATE WELDING CODES. THE CONTRACTOR SHALL BEAR ALL COSTS FOR WELD REPAIR AND SUBSEQUENT RETESTING.

TELCO SERVICE

1. APPLICATION FOR TELEPHONE SERVICE WILL BE MADE BY THE SDM. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MATERIALS AND ASSOCIATED LABOR FOR CONNECTION FROM THE TELCO SOURCE TO THE SHELTER AS PER THE CONSTRUCTION PLANS.

2. PROVIDE A 2 INCH DIAMETER SCHEDULE 40 PVC PIPE FROM THE EQUIPMENT SPACE TELCO ENTRY TO A LOCATION INDICATED ON THE CONSTRUCTION PLANS. PLUG OR CAP EACH END OF THE PIPE AND PROVIDE TWO SEPARATE PULL STRINGS, SECURELY FASTENED AT EACH END OF THE PIPE. PULL STRINGS SHALL BE 200 LB TEST POLYETHYLENE CORD.

3. PROVIDE TWO (2) POTS LINES, LOCATION AS DIRECTED BY NEXTEL. SDM WILL INDICATE TELEPHONE SERVICES AND COORDINATE INSTALLATION OR TWO (2) POTS LINES TO TELCO BOARD.

SPECIAL CONSTRUCTIONS

1. SECTION INCLUDES

A. CABLE LADDER AND ACCESSORIES REQUIRED TO COMPLETE INSTALLATION.

2. UNIT PRICES

A. CONTRACTOR SHALL PROVIDE A PRICE FOR ADDITIONAL CABLE LADDER ON A "PER LINEAR FOOT" BASIS IN HIS BID PROPOSAL.

3. SYSTEM DESCRIPTION

A. ALL CABLE LADDERS AND PORTIONS OF THEIR ASSEMBLIES SHALL BE CONSTRUCTED OF ROLL FORMED STEEL TO SUPPORT A CONCENTRATED LOAD OF 200 LBS WITH NO PERMANENT DEFORMATION.

4. SUBMITTALS

A. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EACH COMPONENT OF THE ASSEMBLY TO THE NEXTEL PROJECT MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OF CABLE LADDER ASSEMBLY.

5. DELIVERY, STORAGE AND HANDLING

A. TRANSPORT, HANDLE AND STORE ON-SITE ALL MATERIALS USED IN CONSTRUCTING CABLE LADDER ASSEMBLY IN SUCH A MANNER AS TO PROTECT THE MATERIAL AND THE ORIGINAL FINISHES FROM DAMAGE. NO DAMAGED MATERIAL WILL BE ACCEPTED.

6. MANUFACTURERS

A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS PROVIDE PRODUCTS BY ONE OF THE FOLLOWING MANUFACTURERS:

- CENTRAL STEEL FABRICATORS, INC. (708) 236-8725
- NEWTON INSTRUMENTS (919) 575-6425
- SAUNDERS BROS. (310) 945-1038
- OWNER APPROVED EQUIVALENT

7. MATERIALS

A. CABLE LADDERS: (SPECIFIED BY NEXTEL) INSTALL 12" WIDE CABLE LADDERS AS INDICATED ON THE TOWER DRAWINGS.

- CONSTRUCTION: TUBULAR SIDE BAR 1-1/2" HIGH X 3/8" WIDE WITH CHANNEL TYPE RUNGS - 9" O.C.
- FINISH: TELEPHONE EQUIPMENT GRAY.

B. THREADED ROD:

- CONSTRUCTION: 5/8" - 11 STEEL THREADED RODS LENGTH TO FIT APPLICATION.
- FINISH: ZINC PLATED.

C. WALL INSULATORS:

- UL 94 V-1, 1-1/2" X 3/8" THICK

D. THREADED ROD INSULATORS:

- MOLDED POLYESTER - FIBERGLASS INSULATOR
- COLOR: RED

E. ACCESSORIES: INSTALL ALL ACCESSORIES AND PARTS REQUIRED FOR A COMPLETE INSTALLATION. PARTS INCLUDE END SUPPORTS, EXTENSION CLAMPS, WALL CLAMPS, JUNCTION KITS, HANGER KITS, ROD CAPS, TERMINATION BARS, NUTS, LOCK WASHERS, FLAT WASHERS, FRAMING CLIP, J-BOLTS, CORNER BRACKETS.

- FINISH: ZINC PLATED

8. INSTALLATION

A. VERIFY THAT BUILDING FRAMING COMPONENTS ARE READY TO RECEIVE WORK.

B. ALL INSTALLATIONS SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

C. INSTALL THREADED ROD SUPPORT AT NO MORE THAN 5'-0" O.C. SECURELY INTO CEILING STRUCTURE.

D. INSTALL THREADED ROD INSULATORS

E. ALIGN THREADED ROD IN STRAIGHT ROWS.

F. INSTALL CABLE TRAY USING 'C' CLAMPS AT A CONSISTENT HEIGHT AS SPECIFIED IN THE DRAWINGS.

G. LEVEL ALL CABLE LADDER TO THE HEIGHT SPECIFIED ON THE DRAWINGS.

H. RESEAL ANY DAMAGED FINISHES AND PAINT TO MATCH EXISTING CONDITIONS.

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DAVID STEWART	PE 31180
CHARLES CEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

SEAL
JAN 17 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER	DATE:
NEXTEL REF:	DATE:
PROPERTY OWNER	DATE:

ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

G-3

SHEET TITLE

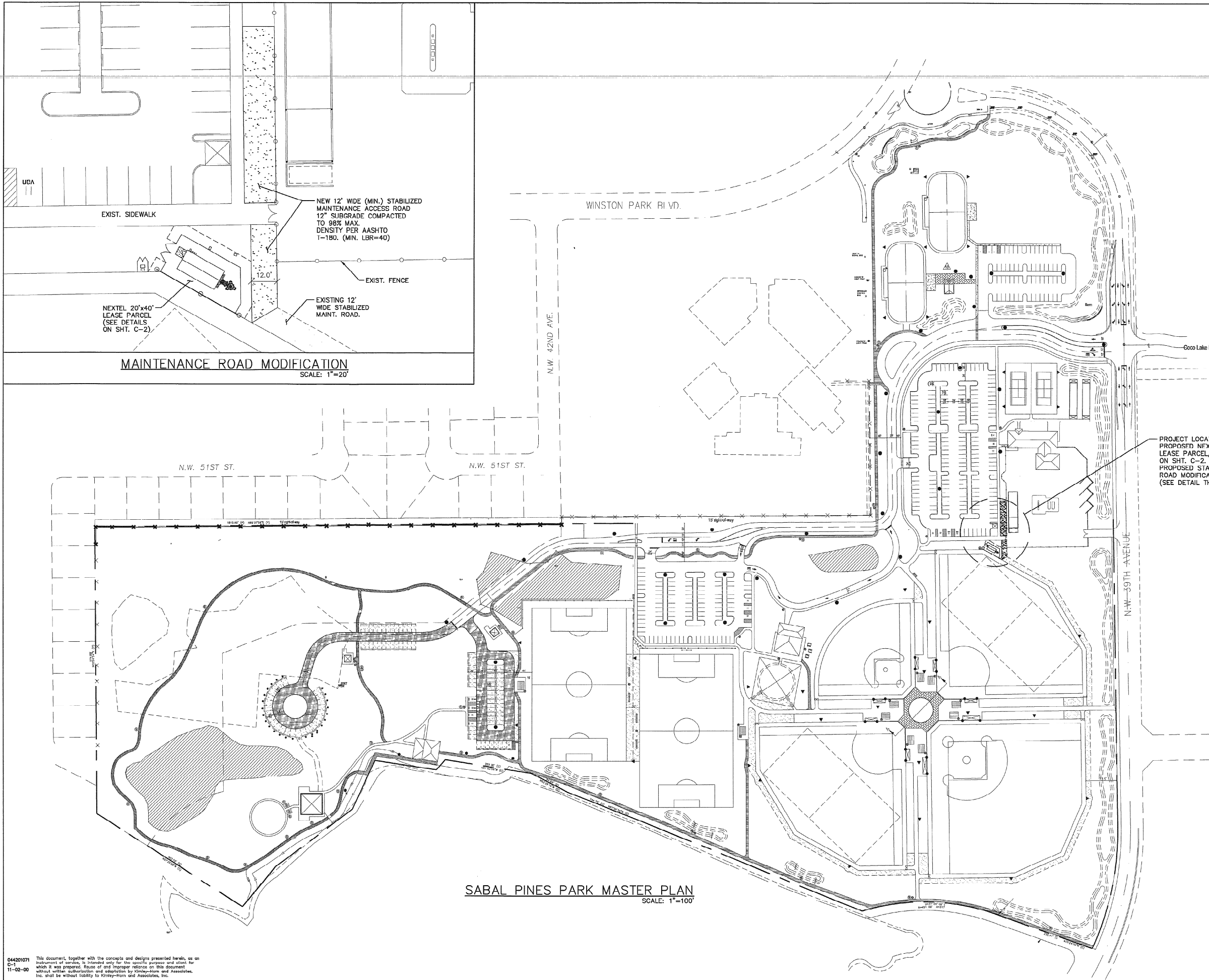
GENERAL NOTES #3

SHEET NUMBER

5

OF

17



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RUSSELL MORRISON	PE 51567

[Signature]
JAN 17 2001

SEAL

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER	DATE: _____
NEXTTEL REP.	DATE: _____
PROPERTY OWNER	DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER
C-1

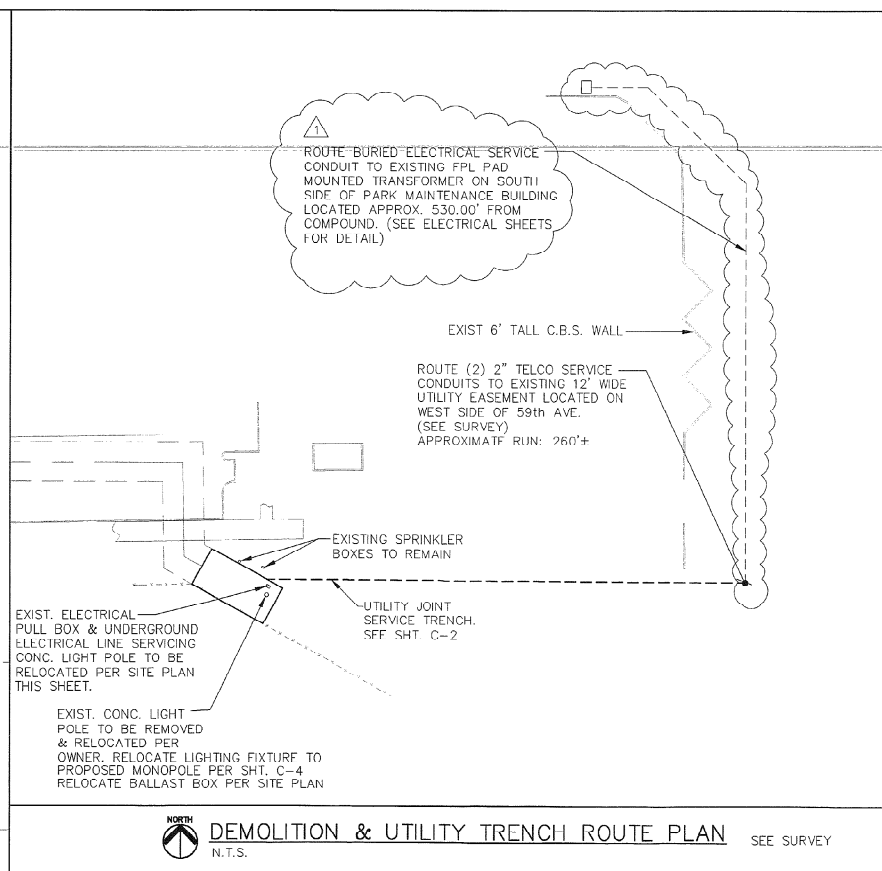
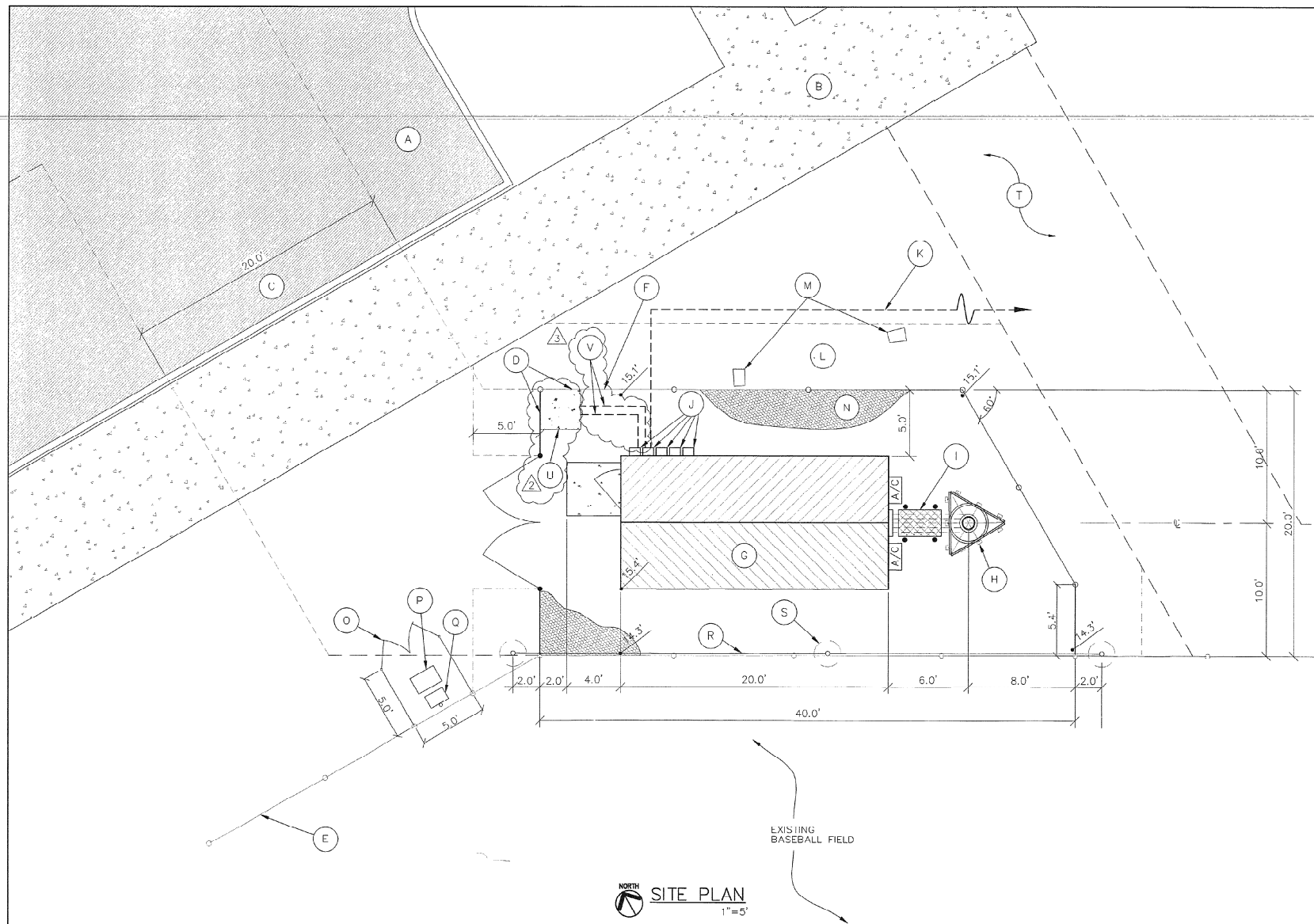
SHEET TITLE
SABAL PINES PARK
MASTER PLAN

SHEET NUMBER

6

OF

17



CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
1-800-432-4770

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

LEGEND

- (A) FINISH GRADE DESIGNATION
- (A) EXISTING ADJACENT PARKING LOT.
- (B) EXISTING SIDEWALK
- (C) PROPOSED 20' WIDE ACCESS EASEMENT THRU ADJACENT PARKING LOT TO NW 39TH AVENUE. (SEE SURVEY)
- (D) LIMITS OF NEXTEL 20'x40' LEASE PARCEL. SEE SURVEY FOR LOCATION.
- (E) EXISTING 8.0' TALL CHAIN LINK FENCE TO REMAIN.
- (F) PROPOSED 8.0' TALL CHAIN LINK FENCE & SERVICE GATE (SHOWN BOLD). TIE INTO EXISTING FENCE ON SOUTH SIDE OF PARCEL MATCH EXISTING. (SEE DETAIL ON SHT. C-3)
- (G) PROPOSED 10'x20' NEXTEL EQUIPMENT SHELTER BY ANDREW CORPORATION. MODEL: RCS 1020-355TIE. SHELTER EXTERIOR FINISH TO MATCH EXISTING PARK BUILDINGS. (SEE SHT. S-1 FOR CONC. FOUNDATION)
- (H) PROPOSED 125' TALL MULTI-CARRIER MONOPOLE BY OTHERS. (SEE MONOPOLE ELEVATION ON SHT. C-4)
- (I) PROPOSED NEXTEL CABLE WAVEGUIDE BRIDGE. (SEE SHT. C-2 FOR DETAIL)
- (J) PROPOSED LOCATION FOR DISCONNECTS, TRANSFER SWITCH, GENPLUG AND TELCO JUNCTION BOX. (SEE ELECTRICAL SHEETS)
- (K) PROPOSED JOINT SERVICE TRENCH SEE ROUTING PLAN THIS SHT. (SEE TRFCH DETAIL ON SHT. C-2)
- (L) PROPOSED 5.0' WIDE LANDSCAPE BUFFER. (SEE LA-1 FOR DETAIL)
- (M) EXISTING SPRINKLER BOXES TO REMAIN.
- (N) 0.5' LAYER OF #57 STONE GRAVEL TO BE INSTALLED OVER SUB GRADE FILL. (TYP)
- (O) PROPOSED 5'x5' FENCED IN AREA W/ LATCH & LOCKING DEVICE.
- (P) NEW LOCATION FOR PULL BOX RELOCATED LIGHTING FIXTURE (SEE SHT. E-1 FOR DETAIL)
- (Q) NEW LOCATION FOR BALLAST BOX FOR RELOCATED LIGHTING FIXTURE. (SEE SHT. E-1 FOR DETAIL)
- (R) 20' TALL BALL PARK NETTING. SEE DETAIL ON SHT. C-3
- (S) BALLPARK NETTING POST. 2" CONC. FOOTING SHOWN DASHED (TYP. OF 3)
- (T) SEE SHT. C-1 FOR STABILIZED MAINTENANCE ACCESS ROAD MODIFICATION.
- (U) PROPOSED 3'x3'x4" THK. CONC. SLAB FOR NEW PAD MOUNTED TRANSFORMER. PROVIDE 6x6-W5.5xW5.5 WELDED WIRE FABRIC. AND MAKE T.O.C. SLAB 2" ABOVE FINISH GRADE.
- (V) ELECTRIC SERVICE TO/FROM TRANSFORMER

CONSTRUCTION NOTES

NEW COMMUNICATIONS ANTENNAS (TOTAL OF 9)
NEW 125' MONOPOLE (BY OTHERS) W/ NEW COMMUNICATIONS ANTENNA (BY OTHERS)
NEW 10'x20' PRE-ENGINEERED EQUIPMENT SHELTER ON CONC. FOUNDATION

GENERAL NOTES

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE STANDARDS OF THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AND MEET INDUSTRY STANDARDS FOR GOOD WORKMANSHIP.

NOTIFY THE PROPERTY OWNER, NEXTEL PROJECT MANAGER AND THE ARCHITECT/ENGINEER OF RECORD WELL IN ADVANCE AS TO WHEN CONSTRUCTION WILL COMMENCE.

COORDINATE THE LOCATION OF THE CONSTRUCTION STAGING AREA WITH THE PROPERTY OWNER BUILDING MANAGER AND THE ARCHITECT/ENGINEER OF RECORD WELL IN ADVANCE OF THE CONSTRUCTION START DATE.

PROTECT THE EXISTING FACILITIES AT ALL TIME. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS.

CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BY CALLING 1-800-432-4770 SUNSHINE STATE AT LEAST 48 HOURS PRIOR TO COMMENCING WITH THE WORK.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND PLAN DIMENSIONS AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

THE EQUIPMENT LOCATIONS SHOWN SHALL NOT VARY WITHOUT THE REVIEW/APPROVAL OF THE ARCHITECT/ENGINEER OF RECORD.

MAINTAIN A MINIMUM OF 3' WORKING CLEARANCE IN FRONT OF ALL ELECTRICAL EQUIPMENT:

0.5' LAYER OF #57 STONE GRAVEL TO BE INSTALLED OVER SUB GRADE FILL.

RESOD AND REPAIR ALL DISTURBED AREAS FROM CONSTRUCTION

NOTE: CONTRACTOR WILL PROVIDE SUFFICIENT SUBGRADE FILL MATERIAL COMPACTED TO MIN. OF 98% A ASHTO T-180 TO BRING FINISHED COMPOUND TO DESING ELEVATIONS.

NOTES

THIS IS AN UNMANNED RESTRICTED SITE AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.

NEXTEL COMMUNICATIONS CERTIFIES THAT THIS FACILITY WILL BE SERVICED ONLY BY NEXTEL EMPLOYEES AND THE WORK ASSOCIATED WITH ANY EQUIPMENT CANNOT BE PERFORMED BY HANDICAPPED PERSONS. THIS FACILITY WILL BE FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES. PURSUANT TO CHAPTER #553, PART 5A OF THE FLORIDA STATUTES, THIS FACILITY IS EXEMPT FROM THE REQUIREMENTS OF THAT STATUTE. PURSUANT TO THE AMERICANS WITH DISABILITIES ACT (ADA), APPENDIX B, SECTION 4.1.1.(5)(B), THIS FACILITY IS EXEMPT FROM THAT ACT.

THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY AND IS EXEMT. FROM THE FLORIDA ENERGY REVIEW CODE.

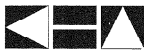
NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.

NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.

NO PARKING FACILITIES WILL BE PROVIDED WITHIN THE LEASE SITE.

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CHARLES GEER	PE 31435
KIRK DROST	PE 31910
RUSSELL MORRISON	PE 31567

[Signature]

FEB 26 2001

SEAL

REVISIONS

NO.	DATE	DESCRIPTION
1	2-26-01	ELEC. SOURCE REVISION
2	2-26-01	NEW TRANS. CONC. PAD
3	2-26-01	SERVICE TO/FROM NEW TRANSFORMER

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL REP. _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: RCM
DATE: FEBRUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER
C-2

SHEET TITLE

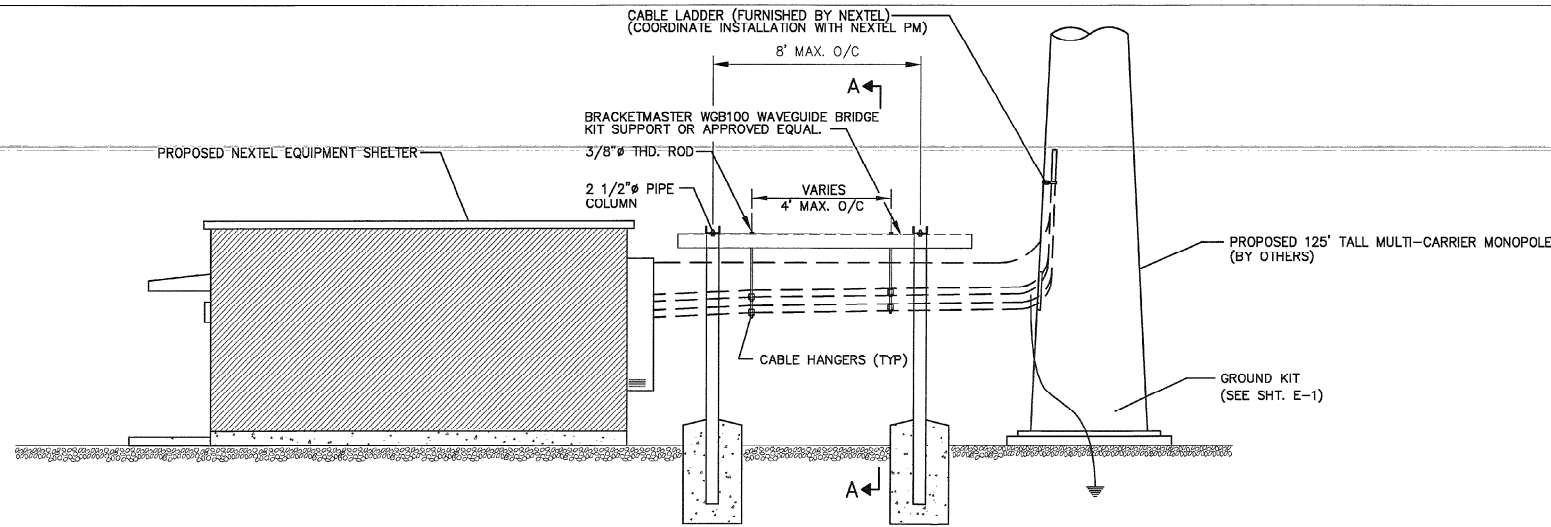
NEXTEL SITE PLAN

SHEET NUMBER

7

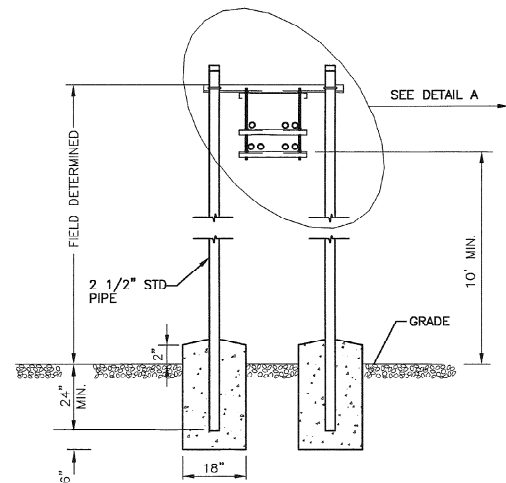
OF

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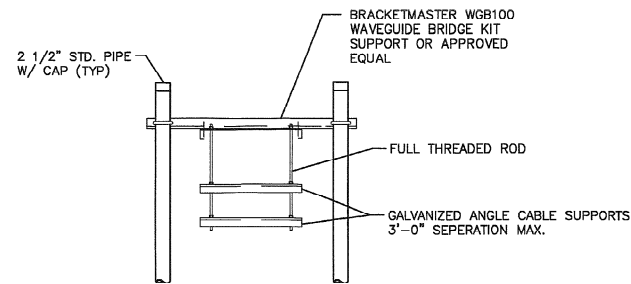
EQUIPMENT & GROUND CABLE SUPPORTS
N.T.S.

NOTE: PROPOSED NEXTEL EQUIPMENT SHELTER:
ANDREW CORPORATION 10'x20' CONCRETE SHELTER
MODEL: RCS-1020-35511E. SHELTER TO MATCH
EXISTING PARK BUILDING'S FINISH AND COLOR.

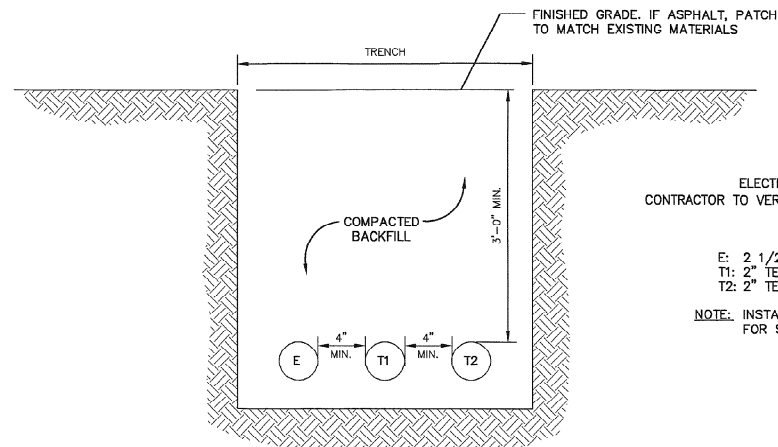


**WAVEGUIDE BRIDGE
SECTION A-A**
N.T.S.

NOTE: ALL MATERIALS FURNISHED BY
CONTRACTOR UNLESS OTHERWISE NOTED.



DETAIL A

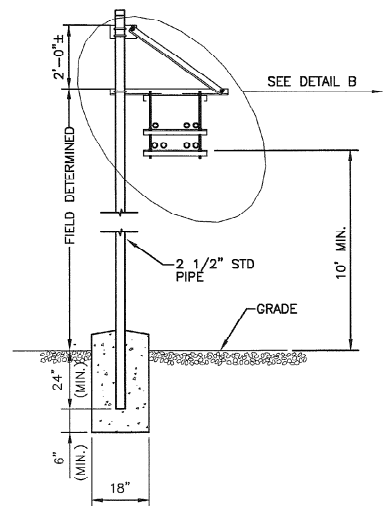


JOINT SERVICE TRENCH
N.T.S.

ELECTRIC AND TELEPHONE SERVICE
CONTRACTOR TO VERIFY SEPERATION DIMENSION WITH LOCAL UTILITY

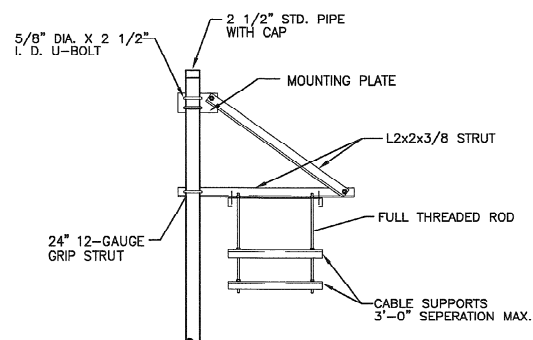
E: 2 1/2" ELECTRIC SERVICE CONDUIT
T1: 2" TELCO SERVICE CONDUIT
T2: 2" TELCO SERVICE CONDUIT (SPARE)

NOTE: INSTALL PULL STRING IN EACH CONDUIT
FOR SERVICE CABLE INSTALLATION.



**ALTERNATIVE DESIGN WITH 1 PIPE COLUMN
WAVEGUIDE BRIDGE
SECTION A-A**
N.T.S.

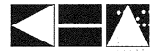
NOTE: ALL MATERIALS FURNISHED BY
CONTRACTOR UNLESS OTHERWISE NOTED.



DETAIL B

**NEXTEL
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KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

[Signature]
JAN 17 2001

SEAL

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

C-3

SHEET TITLE

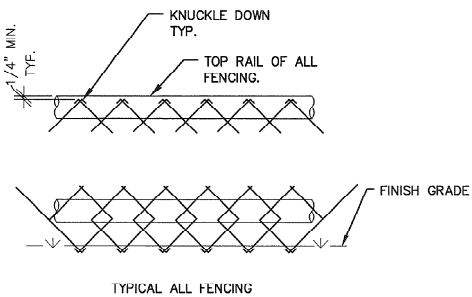
DETAILS

SHEET NUMBER

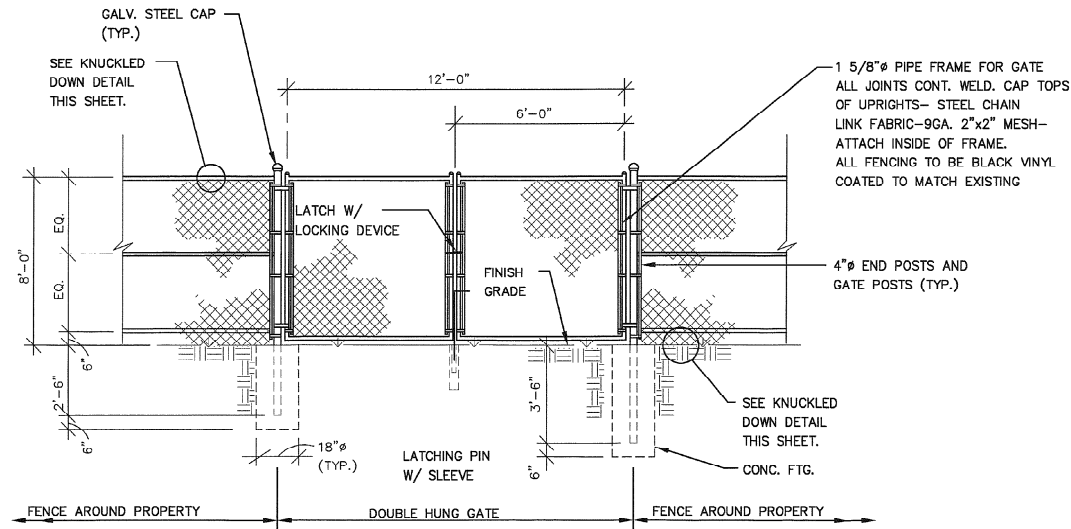
8

OF

17



KNUCKLED DOWN DETAIL
NTS



12' GATE ELEVATION
NTS

FENCING NOTES:

1. ALL CHAIN LINK FENCE WALLS TO BE STRUNG THROUGH STRETCHER BARS AND ATTACHED TO END POST WITH CLIP.
2. ALL CHAIN LINK FENCE ALONG PIPE FRAME TO BE WIRE TIED. BLACK VINYL COATED TO MATCH EXISTING FENCE.
3. ALL WELD POINTS SHALL BE CLEANED AND PAINTED WITH POWDERED ZINC PRIMER.
4. ALL STEEL PIPE TO BE A.S.A. SCH. 40. BLACK VINYL COATED TO MATCH EXISTING FENCE.
5. GATE SHALL HAVE HEAVY DUTY HINGES AND LOCKING DEVICE.
6. SPLICES SHOULD ONLY OCCUR AT CROSSRAILS.
7. CAP TOPS OF UPRIGHTS SHALL EITHER HAVE A CONTINUOUS WELD OR HAVE "SET SCREWS" SO THEY CAN NOT BE REMOVED.
8. USE ONLY A HEAVY DUTY LATCH ON GATE.
9. CONCRETE FOR FOOTINGS TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
10. FENCING TO HAVE TOP, BOTTOM AND MIDDLE RAILS.

NEXTEL COMMUNICATIONS

6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400



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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL. 33407
PHONE: (561) 845-0665

REGISTRATION NUMBERS

KIMLEY HORN & ASSOC., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

SEAL JAN 17 2001

REVISIONS		
NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RE: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: A.J.D.
APPROVED BY: DWS
DATE: JANUARY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

C-4

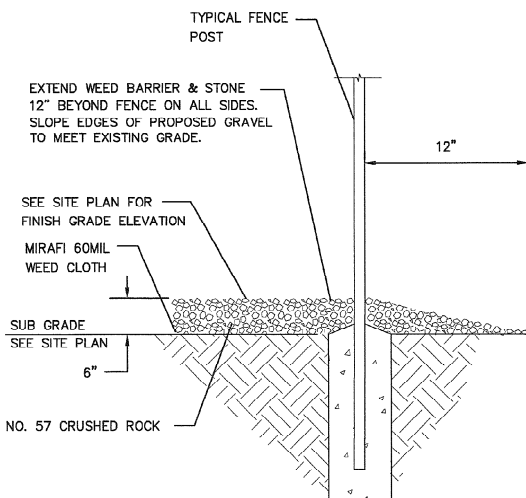
SHEET TITLE
SERVICE GATE
AND FENCE DETAILS

SHEET NUMBER

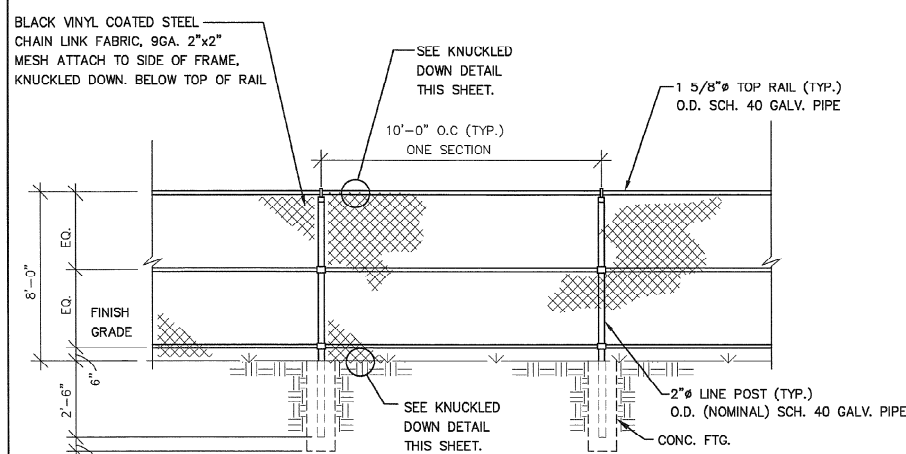
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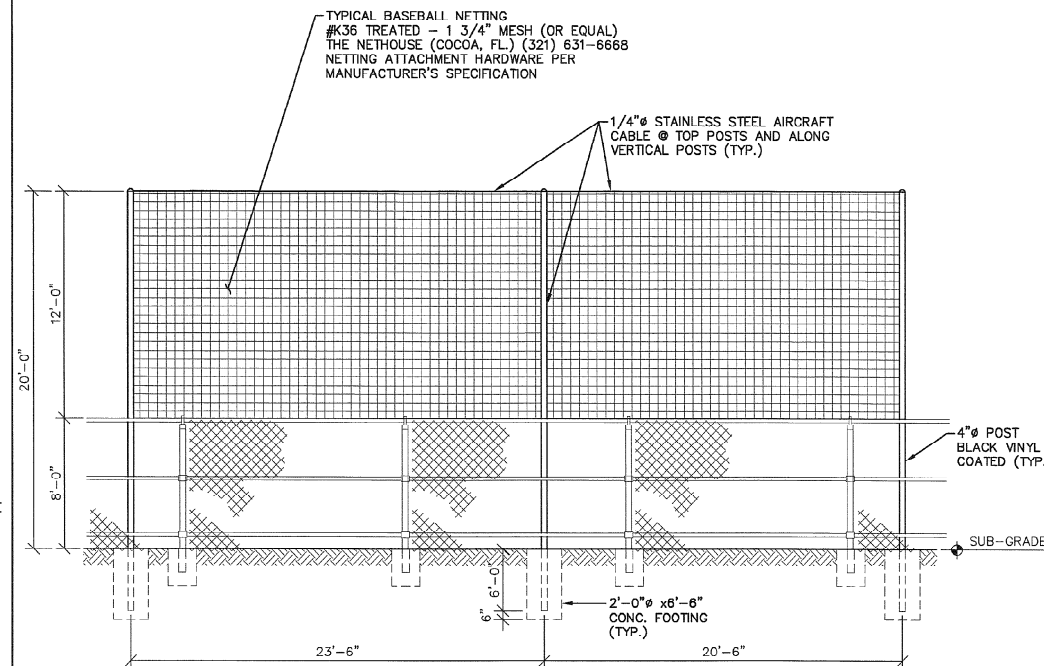
17



FENCE POST DETAIL
NTS

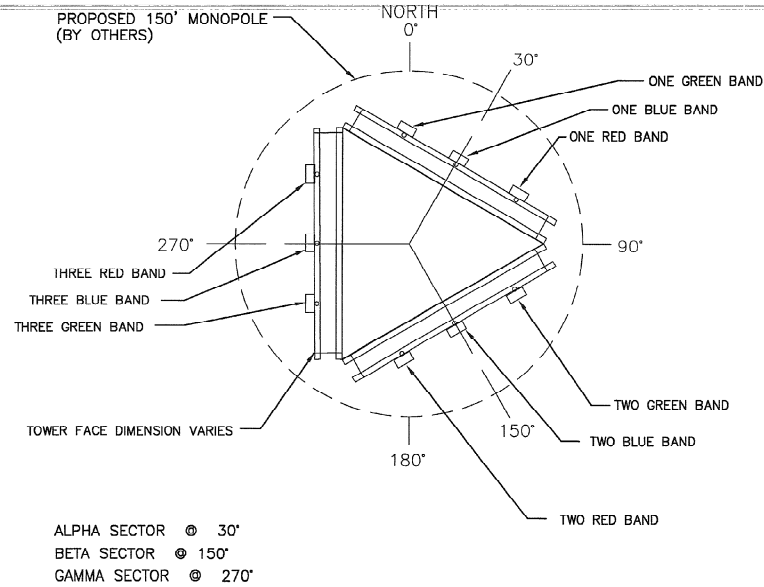


FENCE ELEVATION
NTS

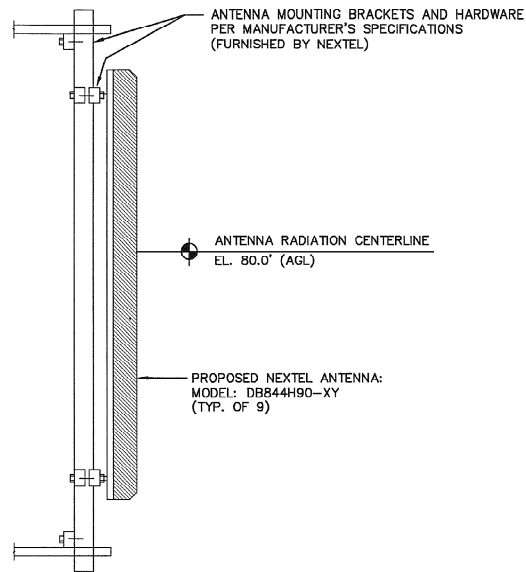


BALL PARK NETTING (NORTH ELEVATION)
NTS

NOTE:
ATTACH BOTTOM OF NETTING TO EXISTING FENCE TOP RAIL.



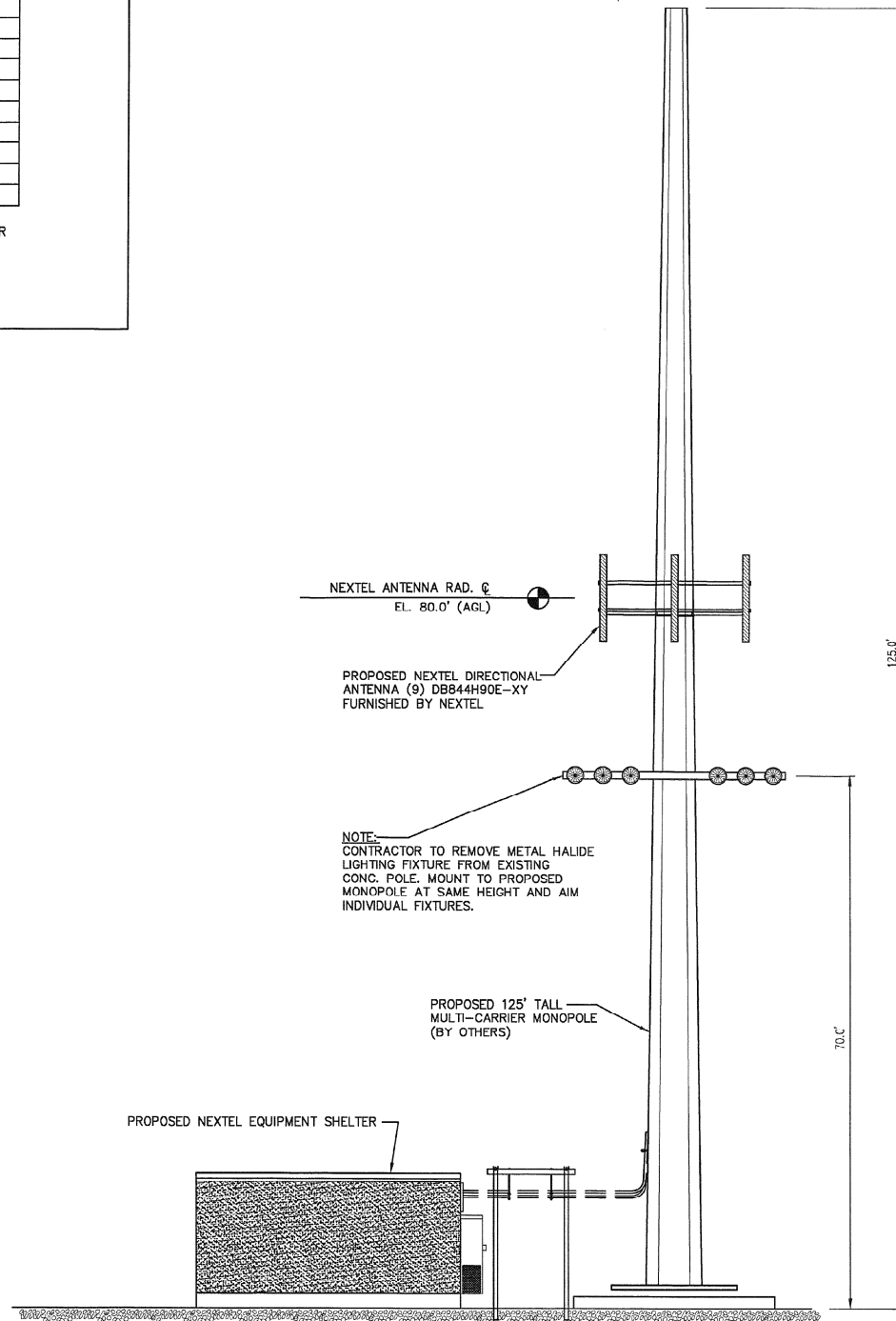
ANTENNA ORIENTATION DIAGRAM
(ORIENTATION DETERMINED BY NEXTEL RF ENGINEERS)



ANTENNA ELEVATION
NO SCALE
(FURNISHED BY NEXTEL)

CABLE RUN TABLE			
ANTENNA	CABLE DIAMETER	LENGTH	
A1	7/8"	100'±	ANDREW CORP.
A2	7/8"	100'±	ANDREW CORP.
A3	7/8"	100'±	ANDREW CORP.
B1	7/8"	100'±	ANDREW CORP.
B2	7/8"	100'±	ANDREW CORP.
B3	7/8"	100'±	ANDREW CORP.
G1	7/8"	100'±	ANDREW CORP.
G2	7/8"	100'±	ANDREW CORP.
G3	7/8"	100'±	ANDREW CORP.

CABLE RUN LENGTH TO BE VERIFIED BY CONTRACTOR PER NEXTEL RF ENGINEERING REQUIREMENTS.



ELEVATION
NTS

NOTES:

1. TOWER AND ALL PROPOSED EQUIPMENT MOUNTED ON TOWER BASED ON STRUCTURAL ANALYSIS BY OTHERS.
2. ANTENNA HEIGHTS SHOWN ARE BASED ON INFORMATION PROVIDED BY NEXTEL RF PERSONNEL.

NEXTEL
COMMUNICATIONS

6700 N. ANDREWS AVENUE
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(954) 275-2400



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REGISTRATION NUMBERS

KIMLEY HORN & ASSOCS., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES CEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

David Stewart
SEAL JAN 17 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER DATE: _____
NEXTEL RF DATE: _____
PROPERTY OWNER DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

C-5

SHEET TITLE

MONOPOLE ELEVATION

SHEET NUMBER

10

OF

17

NEXTEL
COMMUNICATIONS
6700 N. ANDREWS AVENUE
SUITE 700
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REGISTRATION NUMBERS
KIMLEY HORN & ASSOCS., INC. EB0000696
DAVID STEWART PE 31180
CHARLES GEER PE 31435
KIRK DROST PE 51910
RUSSELL MORRISON PE 51567

1/16/01
[Signature]

SEAL

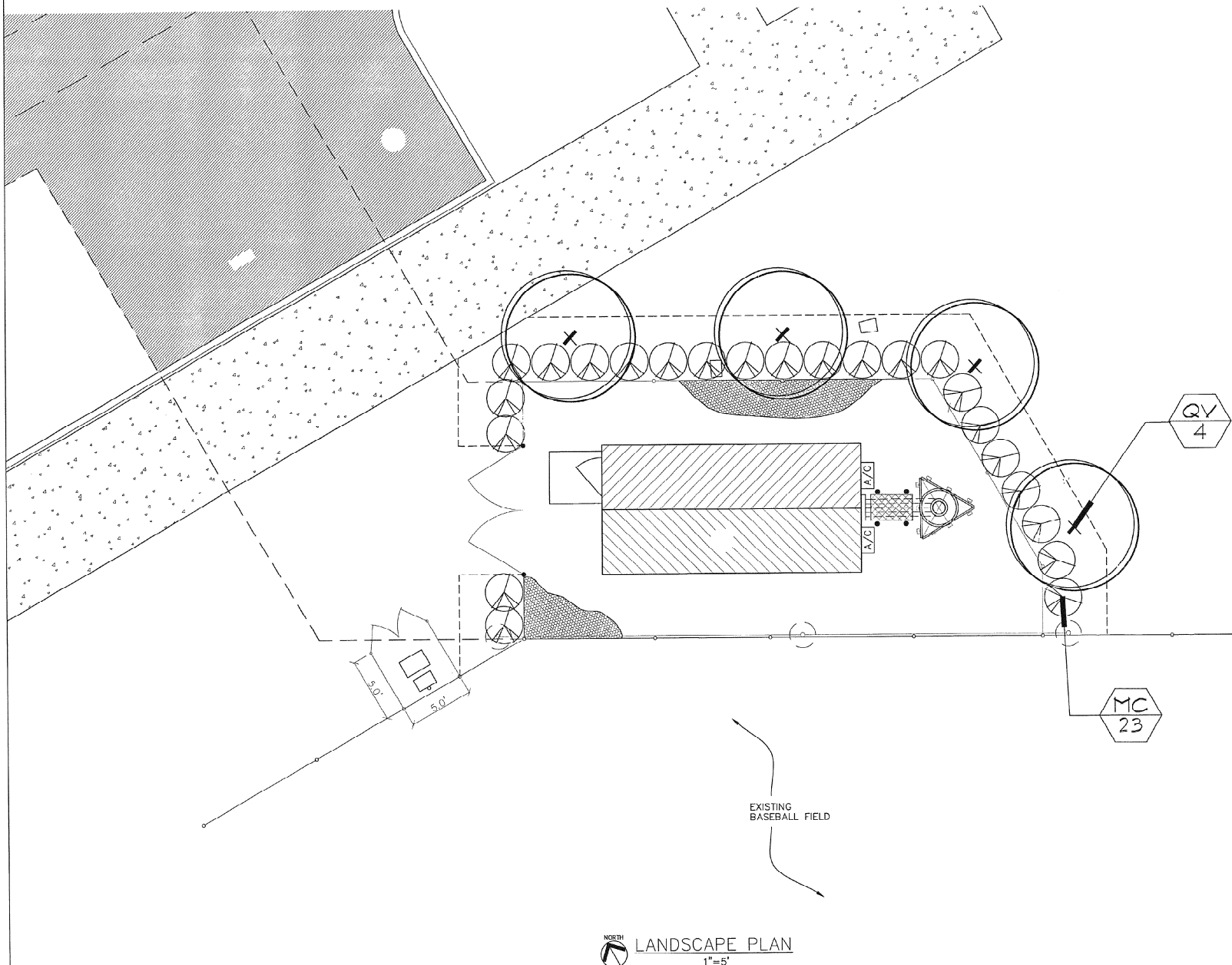
REVISIONS		
NO.	DATE	DESCRIPTION

APPROVALS
PROJECT MANAGER _____ DATE: _____
NEXTEL _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: MDB
DRAWN BY: MDB
APPROVED BY: SEL
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071
DRAWING NUMBER
LA-1
SHEET TITLE
LANDSCAPE PLAN
SHEET NUMBER
17



PLANT MATERIAL

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/REMARKS
TREES				
QV	4	Quercus virginiana	Live Oak	45 gal. min, 12' height, 2.5" cal. min, 4' clear wood
SHRUBS AND GROUNDCOVERS				
MC	23	Myrica cerifera	Wax Myrtle	3Gal., 30"x30", 30" O.C.
MISCELLANEOUS				
3' layer		Eucalyptus/Floramulch	Mulch	
As Needed on site		Stenotaphrum secundatum 'Floratan'	Floratan	Certified Sod, 100% insect/disease free, laid tight, rolled

CITY OF COCONUT CREEK LAND DEVELOPMENT CODES.

ZONING DISTRICTS: RECREATIONAL	REQUIRED	PROPOSED
40% minimum native landscape requirement	40%	100%

SHRUBS

A. A hedge landscape barrier of at least 2 feet height	2'	2.5'
--	----	------

NOTES

PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWING SHALL TAKE PRECEDENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PLANT MATERIAL QUANTITIES, INCLUDING SOD AND MULCH.

CONTRACTOR SHALL INSURE THAT ADEQUATE WATER IS SUPPLIED IN NECESSARY QUANTITIES TO ALL EXISTING AND NEWLY INSTALLED PLANTINGS.

ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN 'GRADES AND STANDARDS FOR NURSERY PLANTS, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

COMPLETELY REMOVE ALL SYNTHETIC NON-BIODEGRADABLE ROOTBALL WRAPPING MATERIAL PRIOR TO INSTALLATION.

NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR LA. ALL PLANTING SHALL INCLUDE 3' LAYER OF FLORAMULCH.

NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE LA OR OWNER. ALL LANDSCAPE AREAS SHALL BE FULLY IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM.

General Landscape Specifications and Notes

A. Scope of Work

1. The work consists of furnishing all labor, materials, equipment, tools, transportation, and any other appearance necessary for the completion of the project as shown on the Drawings, as included in the Plant List, and as herein specified.

2. Work shall include maintenance and watering of all planting areas of the Contract until Certification of Acceptability by the Owner.

B. Protection of Existing Structures

All existing buildings, walls, walls, paving, pipes, and other items of construction and planting already completed or established shall be protected from damage by the Contractor unless otherwise specified. All damage resulting from negligence shall be repaired or replaced to the satisfaction of the Owner.

C. Protection of Existing Plant Materials Outside Limit of Work

The Contractor shall be responsible for all unauthorized cutting or damage to trees and shrubs existing or otherwise, caused by various operations of equipment, machinery, materials, etc. The shall include compensation by drawing or parking inside the drip-line or the spilling of oil, gasoline, or other deleterious materials within the drip-line. No materials shall be burned where the heat will damage any plants. Trees killed or damaged so that they are non-sapling and/or unsightly shall be replaced at the cost to the Contractor of One Hundred Dollars (\$100) per cubic yard with an existing grade which adds an additional twenty (20) per cent per each over four (4) inches caliper or flared and sprayed liquidized damages. Caliper shall be measured six (6) inches above ground level for trees up to and including four (4) inches in caliper and twelve (12) inches above ground level for trees over four (4) inches in caliper.

D. Materials

1. General

Specimen of materials as listed below shall be submitted for approval on the site or as otherwise determined by the Owner. Upon approval of samples, delivery of materials may begin.

MATERIALS	SAMPLES
Flint	one (1) cubic foot
Topsoil	one (1) cubic yard
Plants	one (1) of each variety

2. Plant Materials

a. Plant species and size shall conform to those indicated on the drawings. Nomenclature shall conform to STANDARDIZED PLANT NAMES, 1942 Edition. All nursery stock shall be in accordance with GRADES AND STANDARDS FOR NURSERY PLANTS Parts I and II, latest edition published by the Florida Department of Agriculture and Consumer Services. All plants shall be Florida Grade No. 1 or better as determined by the Florida Division of Plant Industry. All plants shall be freshly dug, sound, healthy, vigorous, well-branched and free of disease and insects, insect eggs and larvae and shall have adequate root systems. Trees for planting in rows shall be uniform in size and shape. All materials shall be subject to approval by the Owner. Where any requirements are noted from the Plant List, the plants furnished shall be named for the variety. Plants shall be grown prior to delivery only upon the approval of the Owner.

b. Measurements: The height and/or width of trees shall be measured from the ground or across the normal spread of branches with the plants in their normal position. The measurement shall not include the maximum terminal growth. Plants larger in size than those specified in the Plant List may be used if approved by the Owner. If the use of larger plants is approved, the ball or earth or spread of roots shall be increased in proportion to the size of the plant.

c. Inspection: Plants shall be subject to inspection and approval at the place of growth, or upon delivery to the site, as determined by the Owner, for quality, size, and variety; such approval shall not require the right of inspection and rejection at the site during progress of the work or after completion for size and condition of balls or roots, latent defects or injuries. Rejected plants shall be removed immediately from the site. Notice requesting inspection shall be submitted in writing by the Contractor at least one (1) week prior to anticipated date.

E. Topsoil and Sand

Topsoil for use in preparing soil for backfilling plant pits shall be thirty percent (30%) rock and seventy percent (70%) sand and be fertile, friable, and of a heavy clayey, without mixture of subsoil materials, and discolored from a well-drained, arable site. It shall contain three (3) to five (5) percent decomposed organic matter and shall be free from heavy clay, coarse sand, stones, lime, lumps, plants, roots or other foreign materials, or noxious weeds. It shall not contain toxic substances which may be harmful to plant growth. pH range shall be 5.0 to 7.0 inclusive.

Sand shall be coarse, clean, well draining native sand. Contractor shall submit results of soil tests for topsoil and sand proposed for use under the Contract for approval by the Owner.

F. Water

Water necessary for planting and maintenance shall be of satisfactory quality to sustain an adequate growth of plants and shall not contain harmful, natural or non-natural elements detrimental to plants. Water meeting the above standard shall be obtained on the site from the Owner, if available, and the Contractor shall be responsible to make arrangements for its use by his tanks, hoses, sprinklers, etc. If such water is not available at the site, the Contractor shall provide such satisfactory water from sources off the site at no additional cost to the Owner.

G. Commercial Fertilizer

Commercial fertilizer shall be a complete formula; it shall be uniform in composition, dry and free flowing. The fertilizer shall be delivered to the site in the original unopened containers, each bearing the manufacturer's guaranteed statement of analysis.

Fifty percent (50%) of the nitrogen shall be derived from natural organic sources. The following fertilizers shall be used and applied at rates as suggested by manufacturer's specifications:

- Shrubs and Trees - Miracote, or approved equal
- Annuals and grandcovers - Osmocote/Sierra Blend M-H-M
- Soil - B-B-B-F Fertilizer

In addition to surface applied fertilizers, all container grown and field grown plant material shall receive "Aglafire" planting tablets 24-10-5 formula, 21 gram or equal. These tablets shall be placed at a depth of root ball at the rate as specified by manufacturer.

H. Mulch

Mulch material shall be determined on the use of application to prevent wind displacement, and applied at a depth of 3 inches. See plant list for type of material (Pine-needle, Eucalyptus Mulch, Pine Straw, or Cypress) and grade.

I. Drains and Handing

1. Protect roots or balls of plants at all times from sun and drying winds, water and freezing, as necessary until planting. Plant materials shall be adequately packed to prevent breakage and drying out during transit. Trees transported more than ten (10) miles or which are not planted within three (3) days of delivery to site shall be sprayed with an antitranspirant product ("Wiltpruf" or equal) to minimize transpiration water loss.

2. Balled and burlapped plants (BBB) shall be dug with firm, natural balls of soil of sufficient size to encase the fibrous and feeder roots of the plants. No plants moved with a ball shall be planted if the ball is crushed or broken. Plants balled and burlapped or container grown shall not be handled by their stems.

3. Plants marked "SB" in the Plant List shall be dug with bare roots. The roots shall not be cut when the minimum spread specified in the Plant List. Care shall be exercised that the roots do not dry out in sun and prior to planting.

4. Protection of Palms (if applicable): Only a minimum of fronds shall be removed from the crown of the palm trees to facilitate moving and loading. Clear Trunk (CT) shall be as specified after the removal of fronds have been removed. All palms shall be banded per detail.

J. Container Grown Stock

1. All container grown material shall be healthy, vigorous, well-rooted plants and established in the container in which they are sold. The plants shall have tops which are of good quality and are in a healthy growing condition.

2. An established container grown plant shall be transplanted into a container and grown in that container sufficiently long for the new fibrous roots to have developed so that the root mass will retain its shape and hold together when removed from the container. Container grown stock shall not be handled by their stems.

3. Plant roots balled in containers shall not be acceptable.

4. Substitution of non-container grown material for material explicitly specified to be container grown will not be permitted unless written approval is obtained from the Owner and Landscape Architect.

K. Collected Stock

When the use of collected stock is permitted as indicated on the Plant List Schedule, the minimum size of rootballs shall be equal to that specified for the next larger size of nursery grown stock of the same variety.

L. Native Stock

Plants collected from wild or native stands shall be considered nursery grown when they have been successfully re-established in a nursery row and grown under regular nursery cultural practices for a minimum of two (2) growing seasons and have attained adequate roots and top growth to indicate full recovery from transplanting into the nursery row.

M. Materials List

Quantities necessary to complete the work on the Drawings shall be furnished. Quantity estimates have been made carefully, but the Landscape Architect or Owner assumes no liability for omissions or errors. Should a discrepancy occur between the billings taken off and the plant list quantities, the Landscape Architect shall be notified for clarification prior to the submission of bids.

All dimensions and/or sizes specified shall be the minimum acceptable size.

N. Fine Grading

1. Fine grading under the Contract shall consist of final finished grades of lawn and planting areas that have been rough graded by others. Bearing as shown on the drawings shall be the responsibility of the Landscape Contractor, unless otherwise noted.

2. The Landscape Contractor shall fine grade the lawn and planting areas to bring the rough grade up to final finished grade allowing for thickness of sod and/or mulch depth. The Contractor shall fine grade by 1-1/2 inch out- or with all equipment necessary including a grading tractor with front-end loader for transporting soil within the site.

3. All planting areas shall be graded and maintained to allow free flow of surface water. Areas adjacent to building shall slope away from the building.

O. Planting Procedures

1. Clearing up before commencing work: The Contractor shall clean up work and surrounding areas of all rubbish or objectionable matter. All mortar, cement, and lime material shall be removed from the surface of all plant beds. These materials shall not be used with the soil. Should the Contractor find such soil conditions beneath the soil which will in any way adversely affect the plant growth, he shall immediately call it to the attention of the Landscape Architect or Owner. Failure to do so before planting shall make the corrective measures the responsibility of the Contractor.

2. Verify locations of all utilities, conduits, supply lines and cables, including but not limited to: electric, gas (lines and leaks), water, sanitary sewer, stormwater lines, cable and telephone. Properly mark and protect existing utilities.

3. Subgrade excavation: Site Contractor is responsible to remove all existing and imported hardscap and hardscap sub-base from all landscape planting areas to a minimum depth of 36". Site Contractor is responsible to backfill these planting areas to rough finished grade with clean topsoil from an on-site source or an imported source. If hardscap conditions occur in planting areas after 30-day excavation by Site Contractor, and positive drainage can not be achieved, Landscape Contractor shall utilize planting detail that addresses poor drainage.

4. Furnish nursery's certificate of compliance with all requirements as herein specified and required. Inspect and select plant materials before plants are dug at nursery or growing site.

5. General: Comply with applicable Federal, State, County, and local regulations governing landscape materials and work. Conform to accepted horticultural practices as used in the trade. Plants shall be protected upon arrival at the site by being thoroughly watered and properly maintained and planted. Plants shall not remain unprotected for a period exceeding twenty-four (24) hours. At all times workmanship methods customary in good horticultural practices shall be observed.

6. The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to assure availability of water and proper location of irrigation lines and plants.

7. All planting pits shall be excavated to size and depth in accordance with the USA Standard for Nursery Stock (2601), unless shown otherwise on the drawings, and backfilled with the prepared Planting Soil as specified hereinafter (Section E). Test all tree pits with water before planting to assure proper drainage percolation is available. No allowance will be made for lost plants due to improper drainage. If poor drainage exists, utilize planting detail that addresses the condition. Trees shall be set plumb and held in position until the planting mixture has been fluffed into place with a trowel, full loose screen. All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman. Proper "jettison" of soil shall be ensured to eliminate air pockets around the roots. "Jet" sizes or equal is recommended.

8. Take all necessary precautions to avoid damage to buildings and building structures while installing trees.

9. Soil mixture shall be as specified in Section E of these specifications. In addition, each planting pit shall receive 21-gram "Aglafire" planting tablets per manufacturer's specifications or as follows:

- Two (2) tablets per 1 gal. plant
- Three (3) tablets per 3 gal. plant
- Four (4) tablets per 10 gal. plant
- Larger Material - Two (2) tablets per 1/2" of trunk caliper

10. Trees and shrubs shall be set straight and at such a level that after settlement, the plant crown will stand one (1) to two (2) inches above grade. Each plant shall be set in the center of the pit. Planting soil mixture shall be backfilled and thoroughly tamped around the ball and shall be settled by water after tamping.

11. Fill hole with soil mixture, making certain all soil is saturated. To do this, fill hole with water and allow to soak water twenty (20) minutes, stirring if necessary to get soil thoroughly wet. Pack lightly with feet. Add more wet soil mixture. Do not cover top of ball with soil mixture, only with mulch. All burlap, rope, wires, etc., shall be removed from the sides and tops of balls, but no burlap shall be pulled from underneath.

12. Pruning: Each tree shall be pruned to preserve the natural character of the plant as shown on the drawings. All soft, wood or sucker growth and all broken or badly damaged branches shall be removed with a clean cut.

13. Shrubs and ground cover plants shall be evenly spaced in accordance with the drawings and as indicated on the Plant List. Cultivate all planting areas to a minimum depth of 6", remove and dispose all debris. Fill into top 4" the planting soil mix as specified in Section E. Thoroughly water all plants after installation.

14. Tree staking and bracing shall be installed by the Landscape Contractor in accordance with the plans to ensure stability and secure trees in an upright position. If the Landscape Contractor and Owner decide to waive the tree staking and bracing, the Owner shall notify the Landscape Architect in writing of their intention and agree to hold harmless - the Landscape Architect in the event any trees fall down and damage person or property.

15. Mulching: Provide a three (3) inch minimum layer of specified mulch over the entire area of each shrub bed, ground cover and vine bed and tree pit.

16. Herbicide Weed Control: All plant beds shall be kept free of noxious weeds until final acceptance of work. If directed by the Owner, "Round-Up" shall be applied for weed control by qualified personnel to all planting areas in spot applications per manufacturer's precautions and specifications. Prior to final inspection, treat all planting beds with an approved pre-emergent herbicide at an application rate recommended by the manufacturer.

P. Lawn Sodding

1. The work consists of lawn bed preparation, soil preparation, and sodding complete, in strict accordance with the specifications and the applicable drawings to produce a green lawn acceptable to the Owner.

2. Lawn Bed Preparation: All areas that are to be sodded shall be cleared of any rough grass, weeds, and debris, and the ground brought to an even grade. The whole surface shall be rolled with a roller weighing not more than one-hundred (100) pounds per foot of width. During the rolling, all depressions caused by settlement of rolling shall be filled with additional soil, and the surface shall be regraded and rolled until presenting a smooth and even finish that is up to the required grade.

3. Soil Preparation: Prepare lawn bed four (4) inches deep. Apply fertilizer at rate of twenty (20) pounds per one thousand (1000) square feet. Application shall be uniform, utilizing approved mechanical spreaders. The fertilizer thoroughly with the soil to a depth of three (3) inches. Hand rake until all bumps and depressions are removed. Wet prepared area thoroughly.

4. Sodding

a. The Contractor shall and all areas that are not paved or planted as designated on the drawings within the contract limits, unless specifically noted otherwise.

b. The sod shall be certified to meet Florida State Plant Board Specifications, absolutely true to variety type, and free from weeds, fungi, insects and disease of any kind.

c. Sod panels shall be laid tightly together so as to make a solid sodded lawn area. Sod shall be laid uniformly against the edges of all curbs and other landscape elements, paved and planted areas. Adjacent to buildings, a four inch notch strip shall be provided. Immediately following sod laying, the lawn areas shall be rolled with a four roller continuously used for such purposes, and then thoroughly irrigated. If, in the opinion of the Owner, top-dressing is necessary after rolling to fill the voids between the sod panels and to even out inconsistencies in the soil, clean sod as approved by the Landscape Architect or Owner shall be uniformly spread over the entire surface of the sod and thoroughly watered in.

5. During delivery, prior to and during the planting of the lawn areas, the sod panels shall at all times be protected from excessive drying and unnecessary exposure of the roots to the sun. All sod shall be stacked so as not to be damaged by freezing or excessive heat and moisture.

6. Lawn Maintenance

a. Within the contract limits, the Contractor shall produce a dense, well established lawn. The Contractor shall be responsible for the repair and re-sodding of all eroded, sunken or bare spots until Certification of Acceptability by the Landscape Architect or Owner. Repair sodding shall be completed as in the original work (including rereading if necessary).

b. Water every day for two (2) successive days, then water three (3) times per week (at even intervals) for two (2) additional weeks. All watering shall be of sufficient quantity to wet or restore water to depth of four (4) inches.

Q. Clean-up

Upon completion of all planting work and before final acceptance, the Contractor shall remove all material, equipment, and debris resulting from the work. All paved areas shall be broom cleaned and the site left in a neat and acceptable condition as approved by the Owner's Authorized Representative.

R. Plant Material Maintenance

All plants and plantings included under the Contract shall be maintained by watering, re-watering, spraying, and all other operations (such as re-staking or re-bracing any supports) necessary to ensure a healthy condition by the Contractor until Certification of Acceptability by the Landscape Architect. Maintenance after the Certification of Acceptability shall be in accordance with the specifications in this section. Contractors are requested to provide a bid estimate to cover landscape and irrigation maintenance for a period of 90 calendar days commencing after acceptance.

S. Maintenance (Alternate Bid Item)

1. Contractors are requested to provide a bid estimate for maintenance following the initial 90-day maintenance period on a cost per month basis.

1. Guarantee

1. The life and satisfactory condition of all 15 gallon and larger plant material installed by the Landscape Contractor shall be guaranteed by the Contractor for a minimum of one (1) calendar year commencing at the time of Certification of Acceptability by the Landscape Architect or Owner.

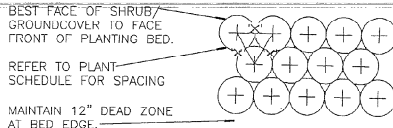
2. The life and satisfactory condition of all other plant material (including sod) installed by the Landscape Contractor shall be guaranteed by the Contractor for a minimum of 90 calendar days, commencing at the time of Certification of Acceptability by the Landscape Architect or Owner.

3. Replacement: Any plant not found in a healthy growing condition at the end of the guarantee period shall be removed from the site and replaced or soon as weather conditions permit. All replacements shall be plants of the same kind and size as specified in the Plant List. They shall be furnished planted and mulched as specified under "Planting," at no additional cost to the Owner.

4. In the event the owner does not contract with the Contractor for landscape (and irrigation) maintenance, the Contractor is encouraged to visit the project site periodically during the one year warranty period to evaluate maintenance procedures being performed by the Owner, and shall notify the owner in writing of maintenance procedures or conditions which threaten vigorous and health plant growth. It is suggested such site visits shall be conducted a minimum of once per month for a period of twelve (12) months from the date of acceptance.

U. Final Inspection and Acceptance of Work

Final inspection at the end of the guarantee period shall be on planting, maintenance and not of other incidental work pertaining to the Contract. Any replacement at the time shall be subject to the same one (1) year guarantee (or as specified by the Landscape Architect or Owner in writing) beginning with the time of replacement and ending with the same inspection and acceptance herein described.



NOTES:

1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.

A UNIFORM MASS/HEIGHT

COMPACTED OR AS SPECIFIED

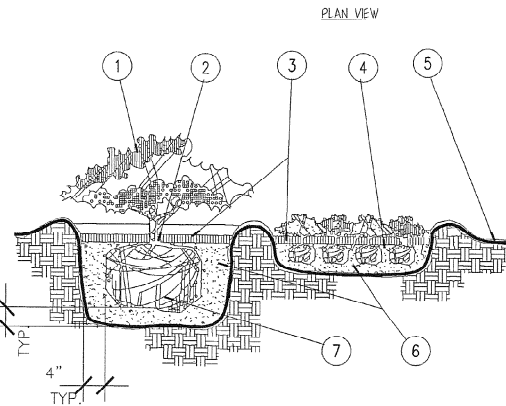
FOR GROUNDCOVER BED.

5. FINISHED GRADE (SEE GRADING PLAN).

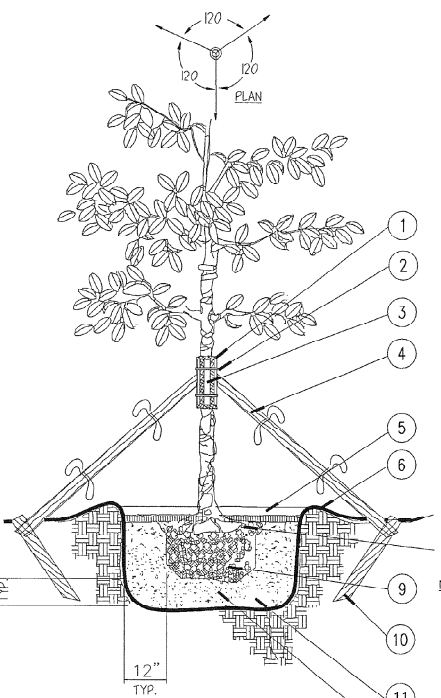
6. PREPARED PLANTING SOIL AS

COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.

7. SCARIFY ROOTBALL SIDES AND BOTTOM.



1 Shrub/Groundcover Planting Detail
SECTION NTS



2 Large Tree Planting Detail
SECTION NTS

- 5 LAYERS OF BURLAP TO PROTECT TRUNK
- TWO STEEL BANDS TO SECURE BATTONS
- FIVE 2" X 4" X 18" WOOD BATTONS
- 3-2" X 8" LODGE POLES, NAIL (DRILL AND NAIL IF NECESSARY) TO BATTONS 2" X 4" STAKES, FLAG AT MIDPOINT AND AT BASE.
- 3" MINIMUM OF SPECIFIED MULCH COMPACTED OR AS SPECIFIED.
- SOIL BERM TO HOLD WATER.
- FINISHED GRADE (SEE GRADING PLAN)
- TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE
- B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
- 2" X 4" X 3" (MIN.) P.T. WOOD STAKES BURED 3" BELOW FINISHED GRADE.
- PREPARED PLANTING SOIL AS SPECIFIED.
- ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING.

NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

C. "TREE SAVER" ANCHORING SYSTEM MAY BE SUBSTITUTED FOR WOOD STAKING SYSTEM UPON APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.

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DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER	DATE:
NEXTEL REF:	DATE:
PROPERTY OWNER	DATE:

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE:	AS SHOWN
DESIGNED BY:	MAB
DRAWN BY:	MAB
APPROVED BY:	SEL
DATE:	JANUARY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

LA-2

SHEET TITLE

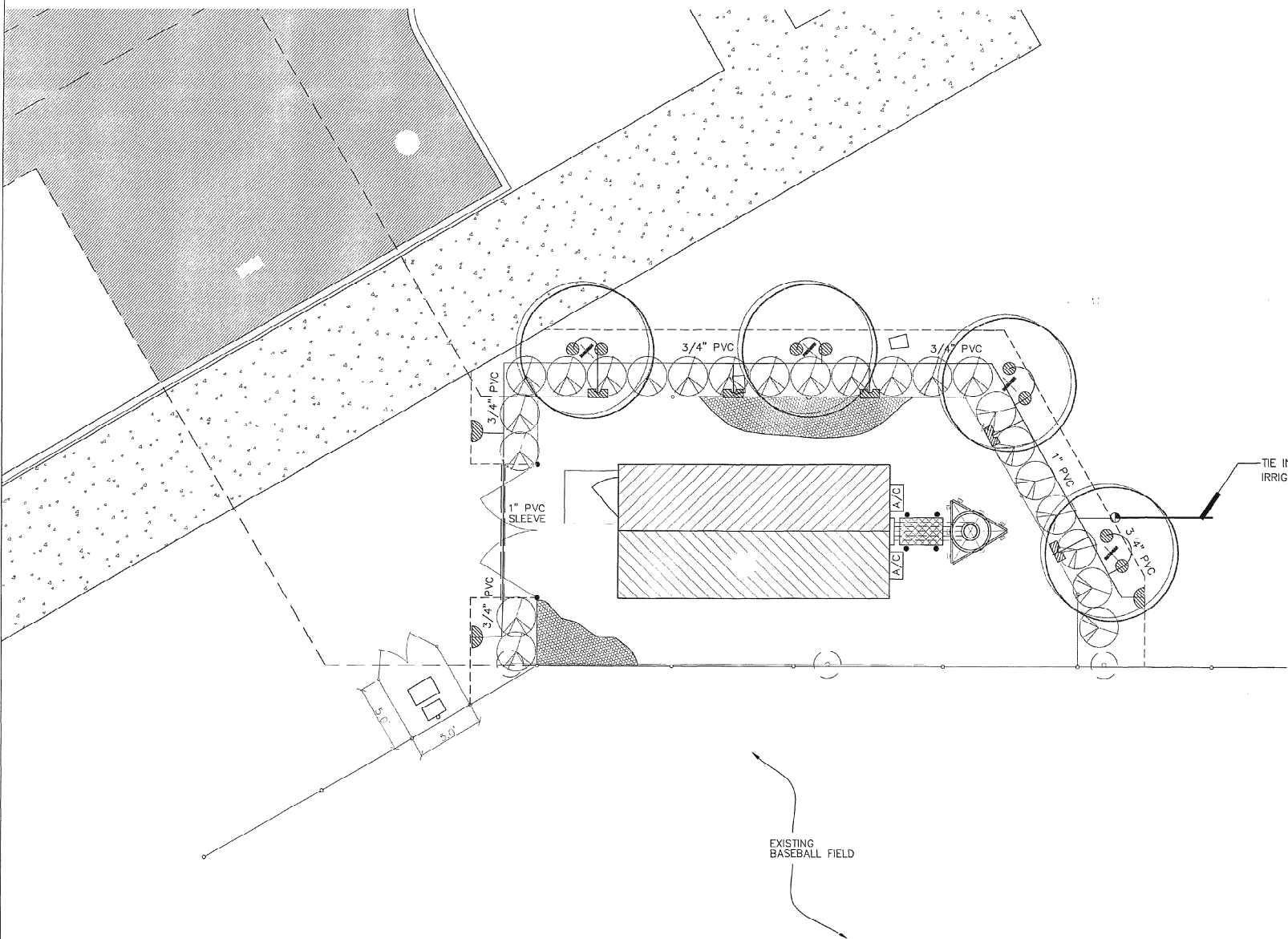
LANDSCAPE DETAILS

SHEET NUMBER

13

OF

17



IRRIGATION PLAN
1"=5'

IRRIGATION SYSTEM

IRRIGATION IS TO BE COORDINATED WITH THE CITY.

IRRIGATION SHALL PROVIDE 100% COVERAGE WITH A 50 % OVERLAP.

IRRIGATION CONTRACTOR MUST EVALUATE EXISTING PARK IRRIGATION SYSTEM, AND DETERMINE IF THE NEAREST ZONE IS CAPABLE OF SUPPLYING AN ADDITIONAL 10.3 G.P.M. IF FOUND UNCAPABLE, A NEW ZONE MUST BE ADDED FROM THE EXISTING MAINLINE. WIRING AND A NEW CONTROL BOX MAY BE REQUIRE IF CURRENT SYSTEM IS INCAPABLE OF BEING UPGRADED.

SOURCE OF WATER FOR IRRIGATION SYSTEM WILL BE THE EXISTING PARK IRRIGATION SYSTEM.

INSTALLATION IS TO INCLUDE COMPLIANCE WITH APPLICABLE CODES, PRESSURE TESTING OF MAINLINE, AND HARDWARE TO POWER SOURCE AT EQUIPMENT SHELTER. CONTRACTOR MAY USE ALTERNATE/NEARBY SOURCE IF FOUND ACCEPTABLE BY PROJECT MANAGER.

CONTRACTOR TO EVALULATE EXISTING SYSTEM AND PRODUCE IRRIGATION SHOP DRAWINGS PRIOR TO SUBMITTING FOR A BUILDING PERMIT.

THE CONTRACTOR SHALL BE REPOSNSIBLE OF CONTRACTING LOCAL UNDERGROUND UTILITIES TO VERIFY LOCATIONS. THE CONTRACTOR SHOULD VISIT THE SITE PRIOR TO INSTALLATION AND BECOME FIMIAR WITH EXISTING CONDITIONS.

THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION AND COMPLY WITH XERISCAPE PRINCIPLES AS SPECIFIED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

ALL SLEEVING SHALL BE SCH 40 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN. OF 2 PIPE SIZES LARGER THAN THE SUPPLY LINE CONTAINED. ALL SLEEVES SHALL BE INSTALLED A MIN. OF 24" BELOW FINISHED GRADE.

WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS. REFER TO MANUFACTURE'S INSTUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED.

LEGEND

QTY.	SYM.		
(5)		TORO 510-6P- 4-SST	1.47 GFM @ 30 PSI
(3)		TORO 510 MPR PLUS 5-Q	.19 GFM @ 30 PSI
(8)		TORO SB-360-PC2	.46 GFM @ 30 PSI
		CLASS 200 LATERAL	
		PROPOSED IRRIGATION WIRING	
		PVC SLEEVE (SCH.40)	

ZONES

① SHRUB & TREE ZONE

NOTE:

- Preferred Irrigation specs: TORO 510 MPR PLUS SOAPY NOZZLES
- HARDIE ELECTRIC VALVE (100-2)
- ZONE #GALLONAGE

IRRIGATION CACULATION: ZONE 1 - 11.6 GAL PER MIN REQUIRED FOR IRRIGATION DESIGN.

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RUSSELL MORRISON	PE 51567

[Signature]
SEAL

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____	DATE: _____
NEXTEL RE: _____	DATE: _____
PROPERTY OWNER _____	DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: MDB
DRAWN BY: MDB
APPROVED BY: SEL
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

IR-1

SHEET TITLE

IRRIGATION PLAN

SHEET NUMBER

IRRIGATION SPECIFICATIONS SCALE: AS NOTED

A. EXTENT:

Includes furnishing all labor, materials and equipment for the proper installation of the irrigation system. The work includes, but is not limited to the following: (1) Trenching and Backfill; (2) Automatically Controlled Irrigation System; (3) Test All Systems and Make Operative; (4) "As-Built" Drawings.

B. GENERAL:

- Permits and Fees: Obtain all permits and pay required fees to any governmental agency having jurisdiction over the work. Inspections required by local ordinances during the course of construction shall be arranged as required. On completion of the work, satisfactory evidence shall be furnished to the Tenant's construction representative to show that all work has been installed in accordance with the ordinances and code requirements.
- Approval: Whenever the terms "approve" or "approved" are used in the specifications, they shall mean the approval of the tenant's construction representative in writing.
- Before any work is started, a conference shall be held between the contractor and the Tenant's construction representative concerning the work under this Contract.
- Coordination: Coordinate and cooperate with other contractors to enable the work to proceed as rapidly and efficiently as possible.
- Inspection of Site:
 - Contractor shall acquaint himself with all site conditions. Submission of his proposal shall be considered evidence that the examination has been conducted. Should utilities not shown on the plans be found during excavations, Contractor shall promptly notify the Tenant's construction representative for instructions to further action. Failure to do so will make contractor liable for any and all damage thereto arising from his operations subsequent to discovery of such utilities not shown on plans.
 - Contractor shall make necessary adjustments in the layout as may be required to connect to existing stubouts, should such stubs not be located exactly as shown, and as may be required to work around existing work at no increase in cost to the Tenant's construction representative.
- Protection of Existing Plants and Site Conditions: The Contractor shall take necessary precautions to protect site conditions to remain. Should damage be incurred, this Contractor shall repair the damage to its original condition at his own expense.
- The owner reserves the right to substitute, add, or delete any material or work at the work progresses. Adjustments to the contract price shall be negotiated if deemed necessary by the Owner on a per diem basis.
- The Owner reserves the right to reject material or work which does not conform to the Contract Documents. Rejected work shall be removed or corrected at the earliest time possible.
- Work Schedule: Within 10 days after award of the Contract, the contractor shall submit to the Owner a work schedule.
- "As-Built" Irrigation Drawings: Prepare an "As-Built" drawing on a blueprint which shall show deviations from the bid documents made during construction affecting the main line pipe, controller locations, remote control valves and quick coupling valves. The drawings shall also indicate and show approved substitutional size, material and manufacturer's name and catalog name and catalog number. The drawings shall be delivered to the Tenant's construction representative before final acceptance of work.
- Final Acceptance: Final acceptance of the work may be obtained from the Tenant's construction representative upon the satisfactory completion of all work.
- Warranty: All work shall be guaranteed for one year from date of acceptance against all defects in material, equipment and workmanship. Guarantee shall also cover repair of damage to any part of the premises resulting from leaks or other defects in material, equipment and workmanship to the satisfaction of the Tenant's construction representative. Repairs, if required, shall be done promptly at no cost to the Owner.

C. MATERIALS:

- General: All materials throughout the system shall be new and in perfect condition.
- Plastic Piping: All main lines shall be Class 200 o-ring polyvinyl chloride (PVC) pipe and shall conform to ASTM D-2241 ac 200 with gaskets conforming to ASTM 1869-F477. All lateral piping shall be PVC Class 160 solvent weld conforming to ASTM D-1784 and D-2241.
- Plastic Fittings: Sch. 40 solvent weld, polyvinyl chloride (PVC) standard weight as manufactured by DuPont, Loton, or approved equal.
- Solvent Cement: Compatible with PVC pipe, of proper consistency, and color.
- Sprinkler Head Risers: Sch. 40 PVC for risers. Pipe shall be cut in a standard pipe cutting tool with sharp cutters. Ream only to full diameter of pipe and clean all rough edges or burrs. Cut all threads accurately with sharp dies. Not more than three(3) full threads shall show beyond fittings when pipe is made up. Assemblies shall be as detailed.
- Automatic Controllers: See Legend.
- Remote Control Valves: See Legend.
- Control Wiring: 24 volt solid UL approved for direct burial in ground. Minimum wire size: 12 gauge.
- Stewies for Control Wiring: Under all walks and paved areas and where indicated on drawings. Minimum PVC 1220-160 psi plastic pipe.
- Sprinkler Heads: See Legend.
- Quick Coupling Valves: Shall be noted on drawings.

NOTES:

DO NOT SCALE PLAN FOR EXACT HEAD LOCATION.

ALL RISERS SHALL BE PAINTED FLAT BLACK.

THE CONTRACTOR SHALL MAKE ALL ADJUSTMENTS TO THE IRRIGATION SYSTEM WHICH PROVIDES A MINIMUM 100% COVERAGE WITH 50% OVERLAP.

THE CONTRACTOR SHALL RUN THE DESIGNATED ADDITIONAL WIRES TO THE INDIVIDUAL TRACTS AS FOLLOWS:

TRACT B1: 10 WIRES
TRACT B2: 4 WIRES
TRACT C: 10 WIRES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HARD WIRING THE ELECTRICAL SERVICE CONNECTIONS.

THE FINAL LOCATION OF ALL COMPONENTS SHALL BE APPROVED BY THE OWNER.

ALL MAIN LINE SLEEVE LOCATION ARE ACCOMPANIED WITH A 2" ELECTRICAL CHASE FOR THE CONTROL WIRING.

D. WORKMANSHIP:

- Lay out work as accurately as possible to the drawings. The drawings, though carefully drawn, are generally diagrammatic to the extent that swing joints, offsets, and all fittings are not shown.
- The Contractor shall be responsible for full and complete coverage of all irrigated areas and shall make any necessary minor adjustments at no additional cost to the Tenant's construction representative.
- Any major revisions to the irrigation system must be submitted and answered in written form, along with any change in contract price.

E. INSTALLATION:

- Excavation and Trenching:
 - Perform all excavations as required for the installation of the work including under this section, including shoring of earth banks to prevent cave-ins. Restore all surfaces, existing underground installations, etc., damaged or cut as a result of the excavations to and in a manner approved by the Owner.
 - Trenches shall be made wide enough to allow a minimum of 6 inches between parallel pipe lines. Trenches for pipe lines shall be made of sufficient depths to provide the minimum cover from finish grade as follows:
 - 18" minimum cover over main lines
 - 12" minimum cover over lateral lines to heads.
 - Maintain all warning signs, shoring, barricades, flares and red lanterns as required by the Safety Orders of the Division of Industrial Safety and local ordinances.
- Pipe Line Assembly:
 - Install remote control valves where shown and group together where practical; place no closer than 12 inches to walk edges, buildings and walls.
 - Plastic pipe and fittings shall be solvent welded using solvents and connections are required. Pipe and fittings shall be thoroughly cleaned of dirt, dust and moisture before applying solvent with a non-synthetic bristle brush.
 - Pipe may be assembled and welded on the surface. Snake pipe.
 - Make all connections between plastic pipe and metal valves or steel pipe with threaded fittings using plastic male adapters.

- Sprinkler Heads:
 - Install all sprinklers as detailed on drawings.
 - Do not scale plans for exact head location.
- Closing of Pipe and Flushing Lines:
 - Cap or plug all openings as soon as lines have been installed to place until removal is necessary for completion of installation.
 - Thoroughly flush out all water lines before installing heads, valves and other hydrants.
- Test in accordance with paragraph on Hydrostatic Tests.
- Upon completion of the testing, the contractor shall complete assembly and adjust sprinkler heads for proper distribution.
- Hydrostatic Tests:
 - Request the presence of the Owner in writing at least 48 hours in advance of testing.
 - Testing to be accomplished at the expense of the Contractor and in the presence of the Owner.
 - Center lead piping with small amount of backfill to prevent arching or slipping under pressure.
 - Applying a continuous and static water pressure of 125 psi when welded plastic joints have cured at least 3 hours and with the risers capped as follows:
 - Main lines and submains to be tested for 3 hours.
 - For o-ring gasket pipe the allowable leakage shall not exceed the number of gallons per hour as determined by the following formula:

$$L = 50(P)^{.5}$$

$$L = \text{Allowable leakage, in gallons per hour}$$

$$S = \text{Length of pipe tested in feet}$$

$$D = \text{Pipe diameter in inches}$$

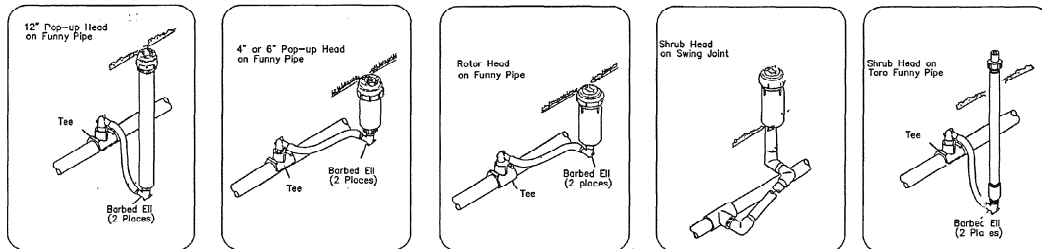
$$P = \text{Average test pressure in PSI gauge}$$
 - Repair leaks resulting from tests.

- Automatic Controllers:
 - Connect remote control valves to controller in a clockwise sequence to correspond with station setting beginning with Stations 1, 2, 3, etc.
- Automatic Control Wiring:
 - Install control wiring, sprinkler mains and laterals in common trenches wherever possible.
 - Install control wires at least 18" below finish grade and lay to the side and below the main line. Provide loose slack at valves and snake wires in trench to allow for contraction of wireline wires in bundles at intervals.
 - Control wire splices will be allowed only runs over 1000 ft. Connections shall be as detailed.
 - All wiring passing under existing or future paving construction, etc., shall be encased in plastic or galvanized steel conduit extending at least 36" beyond edges of paving or construction.
- Backfill and Compacting:
 - After system is operating and required tests and inspections have been made, backfill excavations and trenches with clean soil, free of rubbish.
 - Backfill for all trenches, regardless of the type of pipe covered, shall be compacted to minimum 90% density.
- Compact trenches in areas to be planted by thoroughly flooding the backfill. Jetting process may be used in those areas.
- Dress off all areas to finish grades.

F. CLEAN-UP:

- Remove from the site all debris resulting from work of this section.

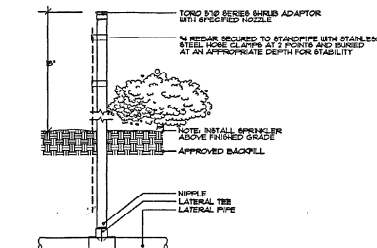
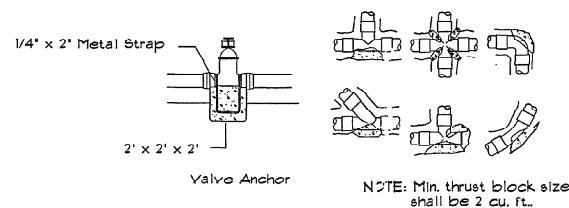
HEAD DETAILS



SLEEVE SIZE SCHEDULE

PIPE SIZE	SLEEVE SIZE
3/4"	1-1/4"
1"	2"
1-1/4"	2-1/2"
1-1/2"	2-1/2"
2"	3"
2-1/2"	4"
3, 4"	6"

THRUST BLOCK DETAILS



TORO SPRAY NOZZLE ON STAND-PIPE WITH SHRUB ADAPTOR

SCALE: NOT TO SCALE

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KIRK DROST PE 51910
RUSSELL MORRISON PE 61567

1/6/01
SEAL

REVISIONS

NO. DATE DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RF _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

ANTENNA INSTALLATION AT WINSTON PARK SITE NUMBER: FL 3672A

SCALE: AS SHOWN
DESIGNED BY: MAB
DRAWN BY: MAB
APPROVED BY: SEL
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

IR-2

SHEET TITLE

IRRIGATION DETAILS

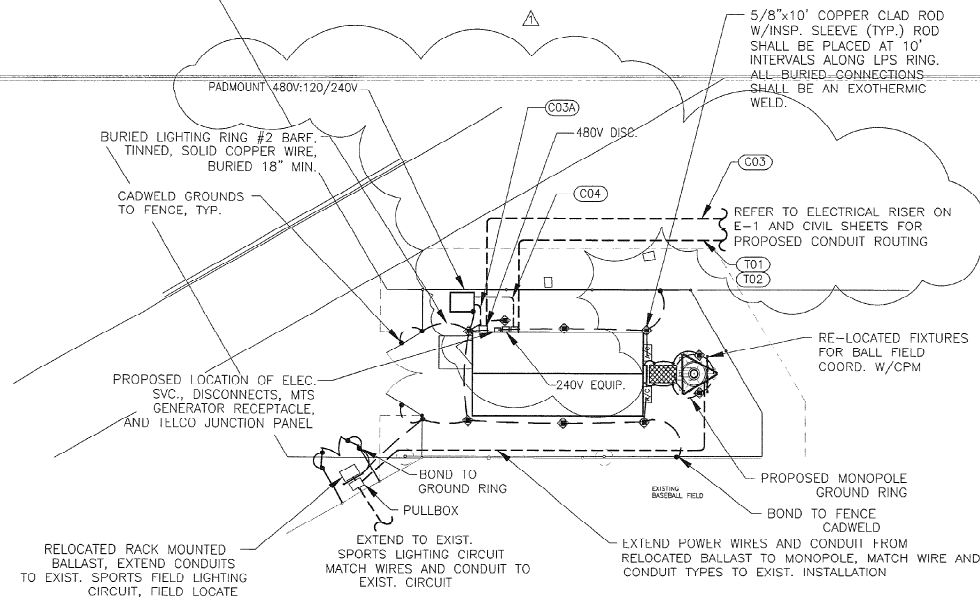
SHEET NUMBER

15

OF

17

LIGHTNING PROTECTION SYSTEM SHOWN IS TYPICAL. CHANGES IN DESIGN SHALL BE MADE BY ITS ENGINEER FOR ATYPICAL SITES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEEK AN ACCURATE LAYOUT FOR ATYPICAL SITES PRIOR TO BIDDING.



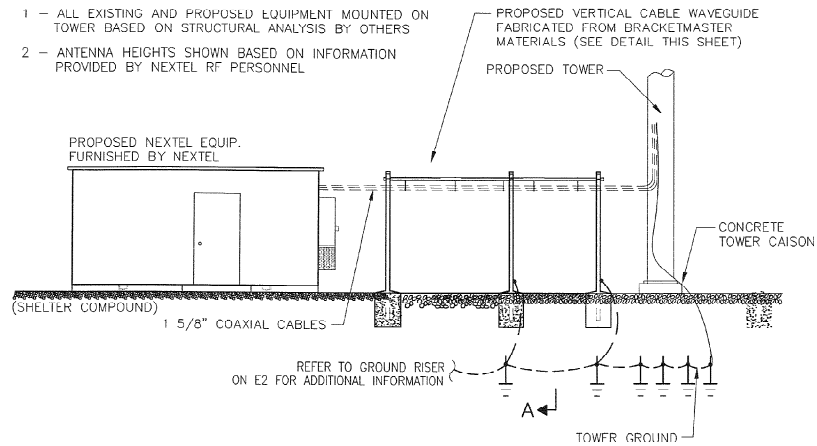
ELECTRICAL SITE PLAN
NTS

LIGHTNING FIXTURE DEMOLITION AND REINSTALLATION NOTES:

1. TEST FIXTURES AND BALLAST MOUNTED ON SPORTS LIGHTING POLE TO BE DEMO, REPORT RESULTS TO NEXTEL CPM.
2. CONTRACTOR TO DEMO EXIST. SPORTS LIGHTING POLE AND REMOVE FROM SITE OR TURNOVER TO THE CITY OF COCONUT CREEK, AND TAKE DOWN EXIST. LIGHT FIXTURES/MOUNTING ASSEMBLY AND BALLAST FOR RE-USE.
3. INSTALL NEW MONOPOLE ANTENNA AND REINSTALL EXIST. FIXTURES/ASSEMBLY ONTO MONOPOLE MAINTAIN SAME ELEVATION AND AIMING OF FIXTURES AS THE ORIGINAL INSTALLATION. CONTRACTOR MAY NEED TO FURNISH ADDITIONAL HARDWARE TO MOUNT FIXTURE/ASSEMBLY ONTO NEW MONOPOLE.
4. INSTALL EXIST. BALLAST ONTO RACK AND FURNISH NEW WIRING AND CONDUIT FROM BALLAST TO RELOCATED FIXTURES. MATCH WIRES AND CONDUIT TO EXIST. INSTALLATION.
5. RECONNECT RELOCATED FIXTURES AND BALLAST TO EXIST. SPORTS LIGHTING LIGHT CIRCUIT, FIELD LOCATE AND EXTEND WIRES AND CONDUITS AS REQUIRED.
6. CONTRACTOR TO HIRE MUSCO LIGHTING SERVICES FOR LIGHTING TEST CERTIFICATION AND STRUCTURAL INTEGRITY OF INSTALLATION, CONTACT TIM IMHOFF @ 954 583 9756.

NOTES:

- 1 - ALL EXISTING AND PROPOSED EQUIPMENT MOUNTED ON TOWER BASED ON STRUCTURAL ANALYSIS BY OTHERS
- 2 - ANTENNA HEIGHTS SHOWN BASED ON INFORMATION PROVIDED BY NEXTEL RF PERSONNEL



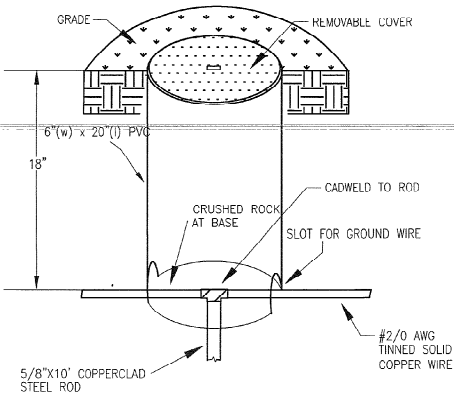
WAVEGUIDE CABLE SUPPORT LPS DETAIL
NTS

ABBREVIATIONS

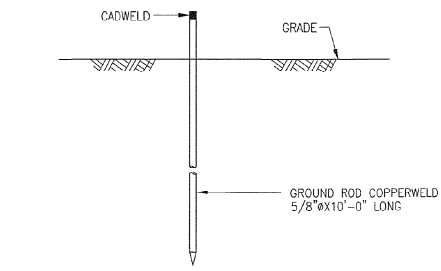
AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE
RWY	RACEWAY
TYP.	TYPICAL
RGS	RIGID GALVANIZED STEEL
EMT	ELECTRICAL METALLIC TUBING
DWG	DRAWING
IGR	INTERIOR GROUND RING (HALO)
ACCA	ANTENNA CABLE COVER ASSEMBLY
BTS	BASE TRANSMISSION SYSTEM
GFN	GENERATOR

ELECTRICAL SYMBOLS

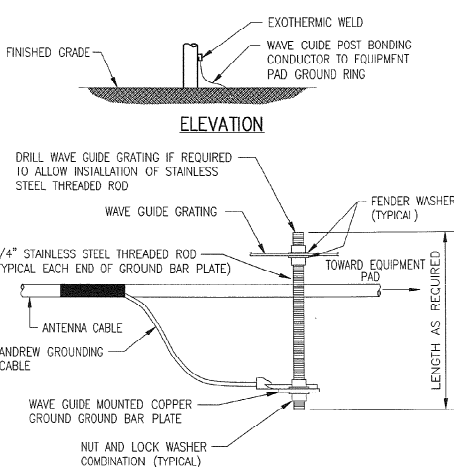
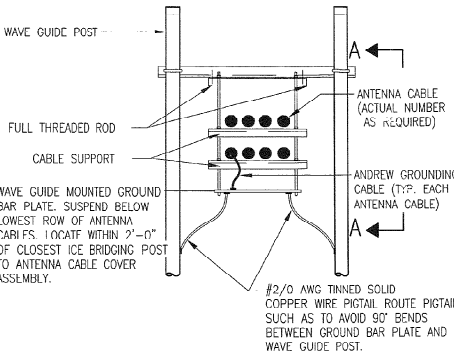
⊠	GROUND ROD WITH ACCESS
⊗	GROUND ROD
—	CADWELD TYPE CONNECTION
●	COMPRESSION TYPE CONNECTION
---	GROUNDING WIRE OR U.G. CONDUIT
(COT)	CONDUIT TAG



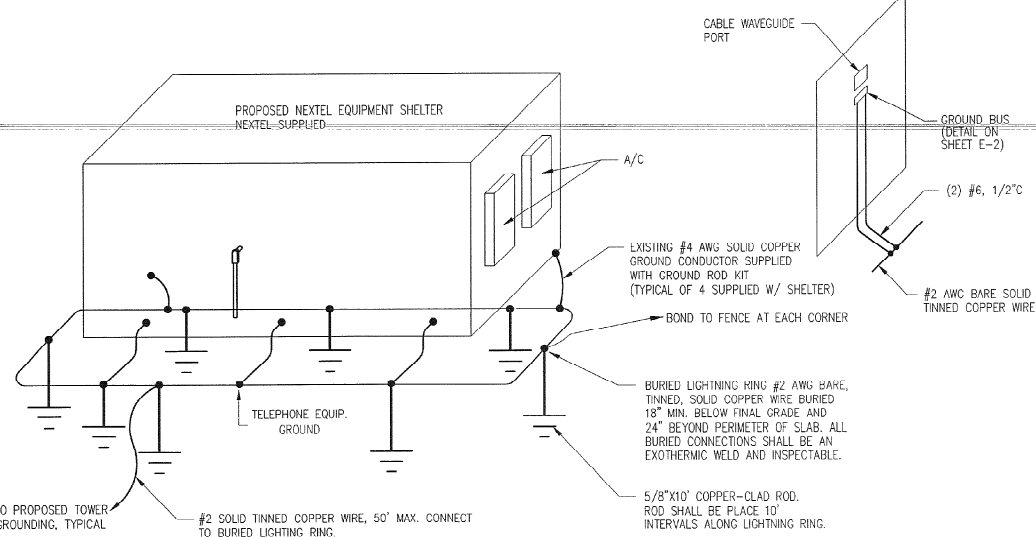
INSPECTION SLEEVE DETAIL
NTS



GROUNDING - STANDARD DETAIL
GROUND ROD



SECTION A-A
WAVE GUIDE MOUNTED
GROUND BAR PLATE INSTALLATION
NTS



EQUIPMENT LPS DETAIL
NTS

ELECTRICAL NOTES

1. GENERAL PROVISIONS
 - A. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR A COMPLETE SYSTEM SHALL BE INCLUDED.
 - D. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS.
 - C. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND THE LOCAL BUILDING CODES. ALL COMPONENTS SHALL BE U.L. APPROVED.
 - D. THE CONTRACTOR SHALL BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
 - E. EXACT LOCATION OF ALL EQUIPMENT SHALL BE COORDINATED WITH NEXTEL, THE BUILDING OWNER AND OTHER TRADES.
 - F. WHERE EQUIPMENT IS SPECIFIED BY MANUFACTURER AND TYPE, SUBSTITUTION SHALL ONLY BE MADE WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT DETAILS OF PROPOSED MATERIALS, REASON FOR CHANGE AND CHANGE IN CONTRACT AMOUNT.
2. SCOPE OF WORK
 - A. THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL WIRING AND EQUIPMENT UNLESS OTHERWISE INDICATED. MAIN COMPONENTS ARE AS FOLLOWS:
 1. PROVIDE ELECTRICAL SERVICE AS INDICATED ON THE DRAWINGS.
 2. PROVIDE SERVICE EQUIPMENT MOUNTED AS INDICATED ON DRAWINGS.
 3. PROVIDE TELEPHONE CONDUIT WITH PULL WIRE AS INDICATED ON DRAWINGS.
 4. COORDINATE ELECTRICAL SERVICE WITH POWER CO. CONTACT REP. BEFORE STARTING.
 5. COORDINATE TELEPHONE SERVICE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
 6. DEMO EXIST. LIGHT POLE AND RE-USE EXISTING FIXTURES AS INDICATED ON DRAWINGS.
 7. INSTALL WIRE AND CONDUIT AS INDICATED.
 8. PROVIDE GROUNDING AND LPS AS INDICATED ON DRAWINGS.
 9. RESTORE ALL AREAS TO ORIGINAL CONDITION AFTER INSTALLATION OF CONDUIT. CUT AND PATCH CONCRETE AND/OR ASPHALT AS REQUIRED.
 10. CONTRACTOR SHALL CLEARLY LABEL DISCONNECTS, METERS, BREAKERS, TELEPHONE TERMINAL BOX AND OTHER RELATED GEAR.

3.0 CONDUIT

- A. CONDUIT SIZES AS SHOWN ON THE DRAWINGS ARE A MINIMUM. THE CONTRACTOR MAY INCREASE AS REQUIRED FOR EASE OF PULLING.
- B. CONDUIT TYPES AS FOLLOWS:
 1. ALL ABOVE GRADE CONDUIT SHALL BE RIGID GALVANIZED STEEL.
 2. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC.

- C. ALL EXPOSED CONDUIT SHALL BE INSTALLED AND RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS. SUPPORTS AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL. CONDUITS SHALL HAVE BURRS REMOVED WITH A REAMER. CONDUITS ENTERING CABINETS SHALL HAVE LOCK NUTS INSIDE AND OUT UNLESS ENTRANCE IS THREADED. NYLON INSULATED BUSHINGS SHALL BE USED ON ALL CONDUIT TERMINATIONS.

- D. FLEX CONDUIT SHALL BE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT.

4.0 CONDUCTORS

- A. CONDUCTORS SHALL BE STRANDED COPPER TYPE THWN OR XHHW WITH 75 DEGREE C RISE INSULATION OR AS INDICATED ON DRAWINGS.

5.0 GROUNDING

- A. PROVIDE GROUND SYSTEM AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY THE NATIONAL ELECTRIC CODE AND RADIO EQUIPMENT MANUFACTURER.
- D. ALL RACEWAYS REQUIRE GROUNDING CONDUCTORS. BONDING CONDUCTORS THROUGH THE RACEWAY SYSTEM SHALL BE CONTINUOUS FROM MAIN SWITCH GROUND BUSSES TO PANEL GROUND BARS, AND FROM PANEL GROUNDING BARS TO BRANCH CIRCUIT OUTLETS, MOTORS, LIGHTS, ETC. THESE GROUND CONDUCTORS ARE REQUIRED THROUGHOUT THE PROJECT REGARDLESS OF WHETHER CONDUIT RUNS SHOW GROUND CONDUCTORS ON THE DRAWINGS.

LIGHTNING PROTECTION SYSTEM (LPS) NOTES:

1. PROVIDE A LPS RING BURIED A MINIMUM OF 18" BELOW GRADE. THE LPS OTHERWISE RING SHALL BE INSTALLED 2'-0" AWAY FROM FOUNDATION (MINIMUM UNLESS SHOWN ON DRAWING).
2. PROVIDED BRAIDED BONDING JUMPERS BETWEEN EACH GATE AND POST.
3. BOND FENCE POST TO LPS RING USING AN EXOTHERMIC WELD. BOND FENCE GATE TO POST WITH A FLEXIBLE COPPER JUMPER STRAP MECHANICALLY OR EXOTHERMICALLY. TYPICAL FOR ALL FENCE PLANES WITHIN 12 FEET OF TOWER FOUNDATION. FOR FENCE PLANES BEYOND 12', EXTEND 1/2" TO EACH FENCE PLANE TO ANY PLANES WITHIN 50'.
4. DISCONNECT SWITCH, METER, TELEPHONE CABINET AND SERVICE CONDUITS 10' SEPARATELY BONDED TO 5/8"x10'-0" LONG GROUND ROD
5. EACH LEG OF THE WAVEGUIDE STRUCTURE SHALL BE INDIVIDUALLY BONDED TO THE BURIED LPS RINGS AT THE TOWER AND SHELTER. EXOTHERMICALLY WELD CONNECTIONS AT POST FOR WAVEGUIDE STRUCTURE AND BURIED LPS RINGS. PLACE 5/8"x10' COPPERCLAD LPS ROD AT 10' INTERVALS ALONG WAVEGUIDE PATH.
6. BOND REBAR IN CONCRETE FOR COMMUNICATION STRUCTURE AND EQUIPMENT PAD TO BURIED LPS RING. EXOTHERMICALLY WELD A #2 AWG TINNED SOLID COPPER CONDUCTOR TO THE REBAR AND CONNECT TO THE BURIED LPS RING.
7. PROVIDE INSPECTION SLEEVE AT EACH BURIED LPS RING/GROUND ROD EXOTHERMIC CONNECTION AS SHOWN.
8. PROVIDE BONDING CONDUCTOR(S) FROM THE BURIED LPS RING TO THE ANTENNA CABLE BUS BAR AT POINT JUST INSIDE OF THE COMMUNICATION STRUCTURE EXIT. VERIFY EXACT LOCATION OF COPPER BUS BAR FOR PROPER CONDUCTOR LENGTH. FINAL EXOTHERMIC WELDS TO COPPER BUS BAR BY THE ANTENNA CABLE INSTALLER.
9. EXOTHERMICALLY WELD BONDING CONDUCTOR TO COMMUNICATION STRUCTURE LEG AT 1'-0" ABOVE PAD AND BOND TO BURIED LPS RING. PROVIDE A 3/4" PVC SLEEVE WITH A GRADUAL BEND IN THE CONCRETE FOUNDATION.
10. 5/8"x10'-0" LONG COPPER CLAD LPS ROD. 10' SPACING BETWEEN RODS (NON-LINEAR). TYPICAL FOR ALL LPS RODS SHOWN. USE STAINLESS STEEL HARDWARE WHERE APPLICABLE.
11. ELECTRICAL CONTRACTOR SHALL TAKE MEGGER READINGS OF LPS. THE RESULTS SHALL NOT BE GREATER THAN 5 OHMS.
12. ALL CONNECTIONS TO LPS SYSTEM SHALL BE MADE IN LINE WITH BENDS NOMINAL 12" RADIUS IN THE DIRECTION OF CURRENT FLOW. T-CONNECTIONS WILL NOT BE ALLOWED.
13. ALL BENDS IN LPS WIRES SHALL BE NOMINAL 12" RADIUS.
14. ANTENNA CABLES SHALL BE BONDED AT EACH END. RUNS GREATER THAN 150' SHALL BE BONDED TOWARDS MIDDLE OF LENGTH. COORDINATE LOCATION WITH NEXTEL'S PROJECT MANAGER.
15. EXISTING TOWER GROUND RING EXACT LOCATION IS UNKNOWN. CONTRACTOR TO LOCATE AND IDENTIFY PRIOR TO CONNECTION OF BONDING CONDUCTORS. HANG DIG ONLY IN INVESTIGATION.

**CALL 48 HOURS
BEFORE YOU DIG**

**IT'S THE LAW!
1-800-432-4770**



SUNSHINE STATE ONE CALL OF FLORIDA, INC.

C&W engineering

ELECTRICAL CONSULTANTS
2326 S. CONGRESS AVE., SUITE 1F
WEST PALM BEACH, FL 33409
(561) 842-5353

REGISTRATION NUMBERS

C & W ENGINEERING	EB0006245
DALE G. WALKER	ELECTRICAL PE 36914
CHARLES DERI	ELECTRICAL PE 17774

**NEXTEL
COMMUNICATIONS**

6700 N. ANDREWS AVENUE
SUITE 700
F.I. LAUDERDALE, FLORIDA 33309
(954) 275-2400



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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 32407
PHONE: (561) 845 0665

REGISTRATION NUMBERS

KIMLEY HORN & ASSOC., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

REVISIONS

NO.	DATE	DESCRIPTION
1	2/19/01	480V SERVICE

APPROVALS

PROJECT MANAGER	DATE: _____
NEXTEL RF:	DATE: _____
PROPERTY OWNER	DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
FL 3672A**

SCALC:	AS SHOWN
DESIGNED BY:	JLR
DRAWN BY:	CH
APPROVED BY:	DGW
DATE:	NOVEMBER 2000

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

E-1

SHEET TITLE

ELECTRICAL SITE PLAN

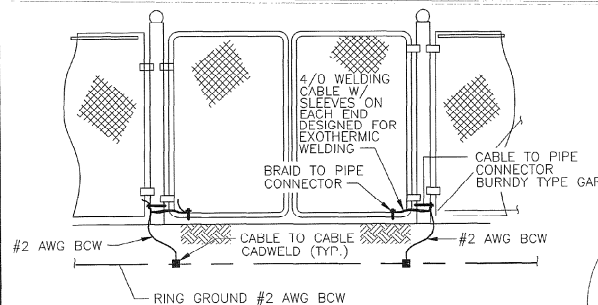
SHEET NUMBER

16

OF

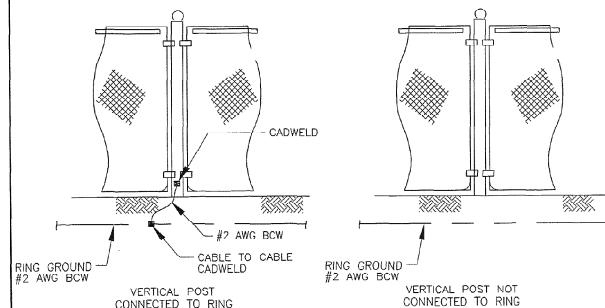
17

NOTE: WELDING CABLE SHALL BE ATTACHED SO THAT IT WILL NOT BE SUBJECTED TO DAMAGING STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION



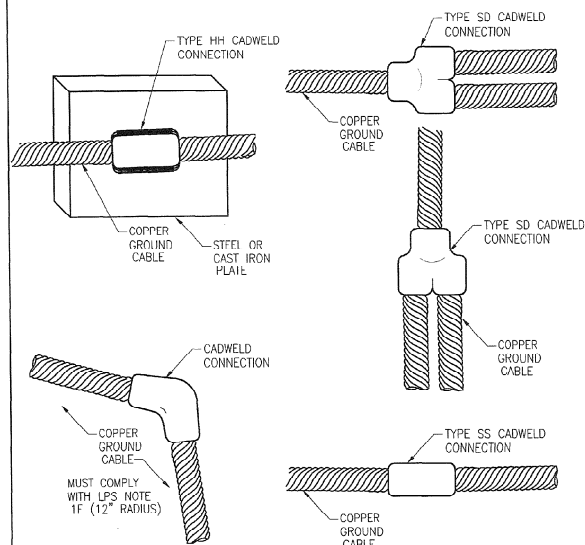
NOTE:
1. THE #2 AWG. BCW. FROM THE RING GROUND SHALL BE CADWELDED TO THE POST, ABOVE GRADE.

FENCE GATE GROUNDING NTS

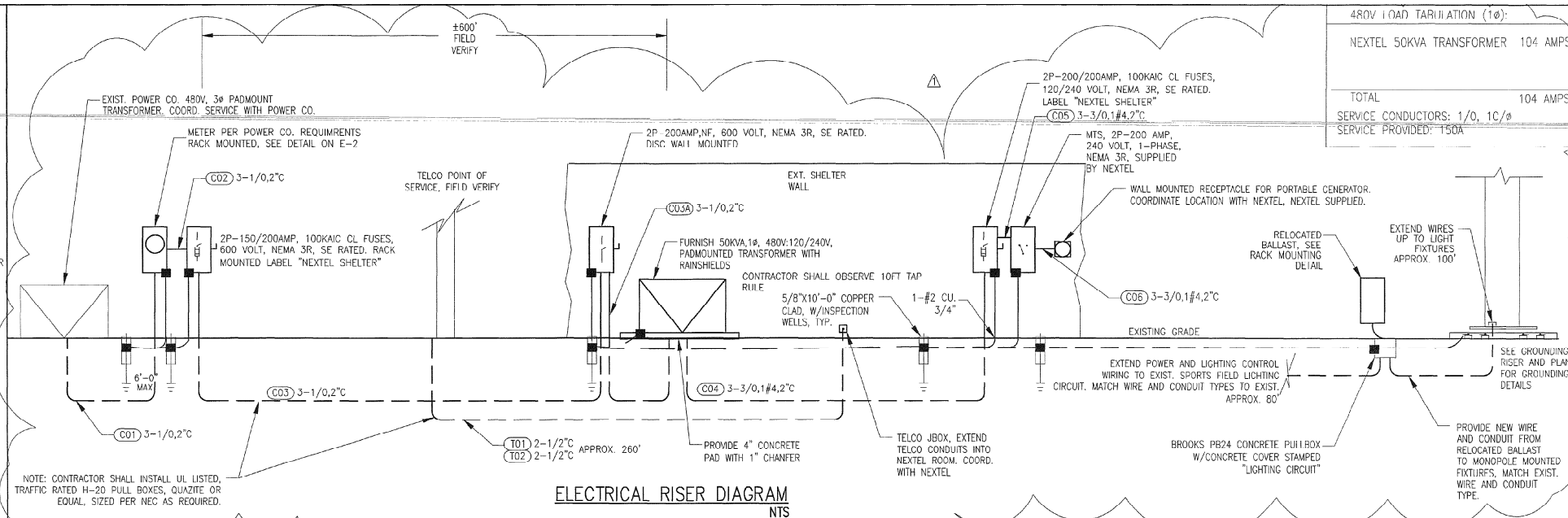


GROUNDING - STANDARD DETAIL PROPOSED FENCE GROUNDING

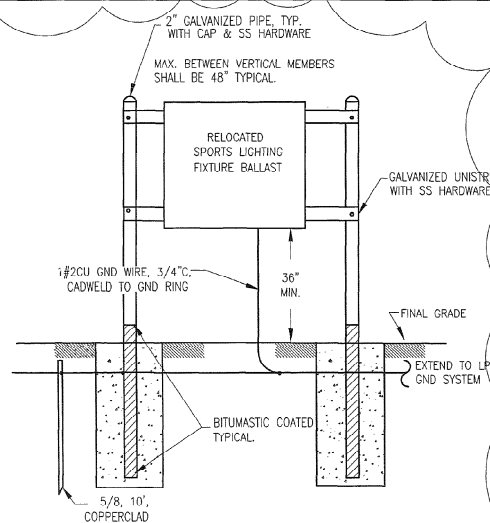
NOTE:
1. VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST. AS A MINIMUM, ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FOOT STRAIGHT RUN OF FENCE.
2. HORIZONTAL POLES SHALL BE BONDED TO EACH OTHER.



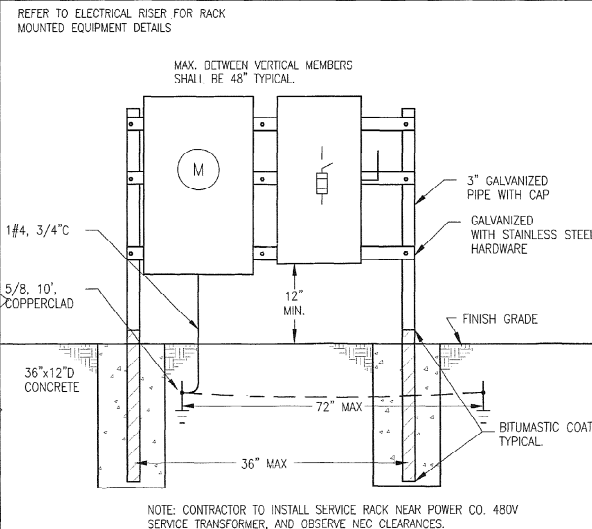
TYPICAL CAD-WELD GROUND CONNECTION DETAILS NTS



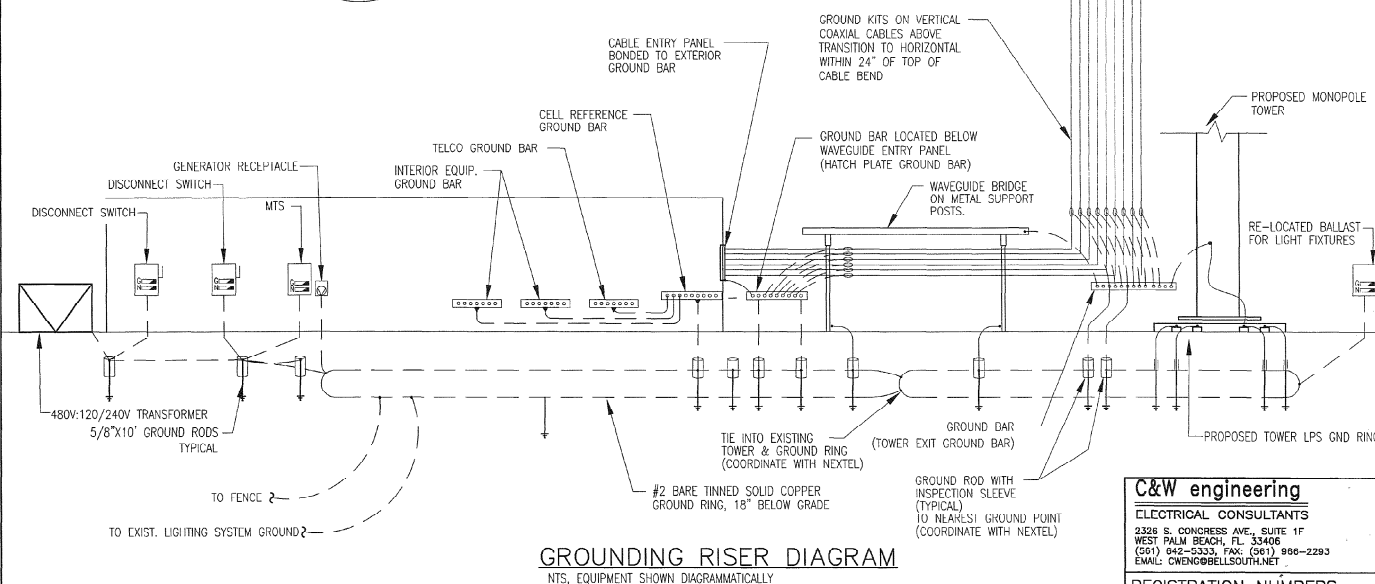
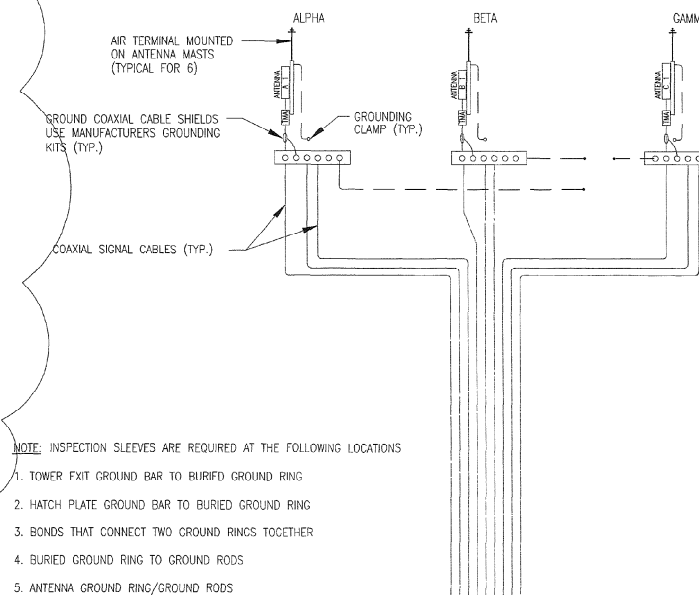
ELECTRICAL RISER DIAGRAM NTS



RACK FOR FIXTURE BALLAST NTS



480V MAIN ELECTRICAL METER RACK DETAIL NTS



GROUNDING RISER DIAGRAM NTS, EQUIPMENT SHOWN DIAGMATICALLY

480V 1 Ø AD TARIATION (1Ø):
NEXTEL 50KVA TRANSFORMER 104 AMPS
TOTAL SERVICE CONDUCTORS: 1/0, 1C/Ø
SERVICE PROVIDED: 150A

NEXTEL COMMUNICATIONS

6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400

Kimley-Horn and Associates, Inc.
1998 KIMLEY-HORN AND ASSOCIATES, INC.
4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845-0665

REGISTRATION NUMBERS

KIMLEY HORN & ASSOC., INC. EB0000698
DAVID STEWART PE 31180
CHARLES GEER PE 31435
KIRK DROST PE 51910
RUSSELL MORRISON PE 51567

REVISIONS		
NO.	DATE	DESCRIPTION
1	2/19/01	480V SERVICE

APPROVALS		
PROJECT MANAGER	DATE:	
NEXTEL RF:	DATE:	
PROPERTY OWNER	DATE:	

**ANTENNA INSTALLATION
AT WINSTON PARK
FL3672A**

SCALE: AS SHOWN
DESIGNED BY: JLR
DRAWN BY: GH
APPROVED BY: DGW
DATE: NOVEMBER 2000

KHA PROJECT NUMBER
044201071
DRAWING NUMBER
E-2
SHEET TITLE
ELECTRICAL RISER & DETAILS

SHEET NUMBER
17 OF 17

C&W engineering
ELECTRICAL CONSULTANTS
2326 S. CONGRESS AVE., SUITE 1F
WEST PALM BEACH, FL 33406
(561) 842-3333 FAX: (561) 898-2293
EMAIL: CWN@BELL-SOUTH.NET

REGISTRATION NUMBERS
C & W ENGINEERING EB0006245
DALE G. WALKER ELECTRICAL PE 36914
CHARLES DERI ELECTRICAL PE 17774

monopole (Cell Tower)
 Sabal Pines Park

OFFICE COPY

CITY OF COCONUT CREEK, DEVELOPMENT SERVICES BROWARD COUNTY, FLORIDA		
INSPECTIONS	APPROVED BY	DATE
ZONING	<i>[Signature]</i>	3/31
LANDSCAPING		3/31
ENGINEERING		
FIRE	<i>[Signature]</i>	3-29-0
STRUCTURAL	<i>[Signature]</i>	3-28-0
ELECTRICAL		
PLUMBING		
MECHANICAL		
PERMIT # 01-881		DATE 4/13/01

NOTE: THIS PERMIT EXPIRES IF CONSTRUCTION DOES NOT BEGIN WITHIN 6 MONTHS FROM DATE OF PERMIT ISSUE. PLANS MUST BE ON JOB BEFORE ANY INSPECTION WILL BE MADE.

01.881 BANYAN TRAILS
 5005 NW 39 AVENUE
 SABAL PINES PARK
 ENGINEERED ENVIRONMENTAL C.C.K.
 125 MONOPOLE AND EQUIP. SHELTER

B-1

WARNING

THIS APPROVAL MUST BE ACCOMPANIED
 BY A BCDPEP DEVELOPMENT
 REVIEW PROCEDURE FORM

***** 255693 *****

IF A BUILDING PERMIT IS NOT OBTAINED FOR
 WITHIN 30 DAYS OF THE ABOVE DATE, THESE PLANS
 MUST BE RESUBMITTED TO THE BROWARD COUNTY
 DEPARTMENT OF PLANNING AND ENVIRONMENTAL
 PROTECTION FOR RE-EVALUATION

BROWARD COUNTY DEPARTMENT OF
 PLANNING AND ENVIRONMENTAL PROTECTION
 LAND USE AND PERMITTING DIVISION

APPROVAL FOR *Antenna & equipment*

FOR SEVEN
 COLLECTION BY *[Signature]* DATE *3/12/01*

DATE MAR 12 2001

NEXTEL

COMMUNICATIONS

FT. LAUDERDALE MARKET

WINSTON PARK

**NEW 125 FOOT MONOPOLE WITH NEW ANTENNAS AND
NEW GROUND LEVEL EQUIPMENT SHELTER.**

SITE NUMBER

FL 3672A

NEXTEL LEASE PARCEL LEGAL DESCRIPTION:

A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF PARCEL "E" OF SAID BANYAN TRAILS; THENCE SOUTH 00 50' 12" EAST, ALONG THE EAST LINE OF SAID PARCEL "E", SAID EAST LINE ALSO BEING THE WEST RIGHT-OF-WAY LINE OF N.W. 39TH AVENUE, A DISTANCE OF 440.30 FEET; THENCE SOUTH 89 09' 48" WEST, A DISTANCE OF 269.95 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED NEXTEL LEASE SITE:

THENCE NORTH 60 44' 49" WEST, A DISTANCE OF 48.00 FEET; THENCE NORTH 29 15' 11" EAST, A DISTANCE OF 14.34 FEET; THENCE NORTH 89 09' 42" EAST, A DISTANCE OF 11.28 FEET; THENCE SOUTH 60 44' 49" EAST, A DISTANCE OF 29.77 FEET; THENCE SOUTH 00 50' 18" EAST, A DISTANCE OF 16.88 FEET; THENCE SOUTH 29 15' 11" WEST, A DISTANCE OF 5.40 FEET, TO THE POINT OF BEGINNING.

CONTAINING .871 SQUARE FEET OR 0.0200 ACRES, MORE OR LESS.



W.L. FISH & COMPANY
PROFESSIONAL SURVEYORS AND MAPPERS

NEXTEL
COMMUNICATIONS

6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400



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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845 0665

REGISTRATION NUMBERS

KIMLEY HORN & ASSOCS., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567
ANGELINA G. FAIRCHILD	PE 43958
SETH SCHMID	PE 54640

[Signature]
SEAL MAY 3 0 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RF: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

ANTENNA INSTALLATION AT WINSTON PARK SITE NUMBER: FL3672A

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

T-1

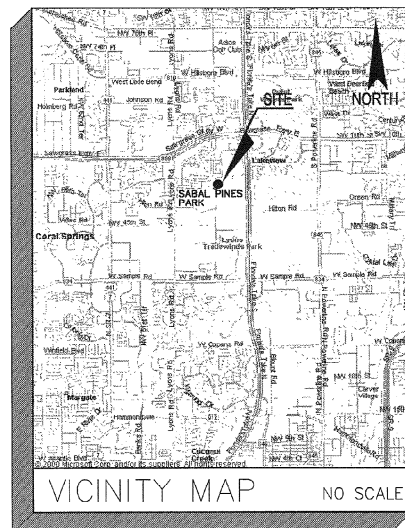
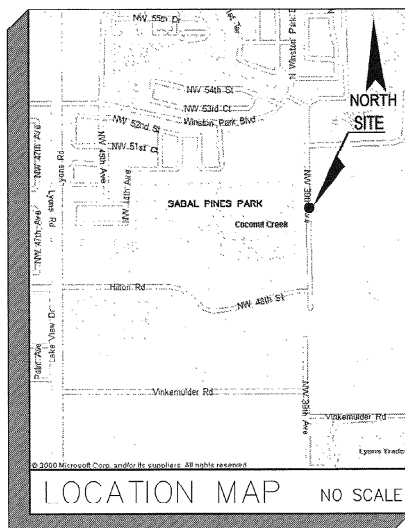
SHEET TITLE
TITLE SHEET

SHEET NUMBER

1

OF

17



STRUCTURAL ENGINEER:

Kimley-Horn and Associates, Inc.
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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845 0665

CIVIL ENGINEER

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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845 0665

ELECTRICAL ENGINEER:

C & W engineering
ELECTRICAL CONSULTANTS
2325 S. CONGRESS AVE., 2C, WFLA, FL 33405
(407) 642-5333

LANDSCAPE ARCHITECT:

Kimley-Horn and Associates, Inc.
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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845 0665

SURVEYOR:

W.L. FISH & COMPANY
PROFESSIONAL SURVEYORS AND MAPPERS
100 S. HAVENHURST AVENUE
SUITE 100
WEST PALM BEACH, FLORIDA 33411
(561) 834-0000

CONSULTANT TEAM

SITE NAME: WINSTON PARK
SITE NUMBER: FL 3672A
SITE ADDRESS: SABAL PINES PARK
5005 NW 39TH AVENUE
COCONUT CREEK, FL 33063
PROPERTY OWNER: CITY OF COCONUT CREEK
4800 W. COPANS ROAD
COCONUT CREEK, FL 33063
CONTACT PERSON: LARRY BROWN
ENGINEERED ENVIRONMENTS
990 S. ROGERS CIR., SUITE 4
BOCA RATON, FL 33487
(561) 241-8403
APPLICANT: NEXTEL
6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FL 33309
CURRENT ZONING: PUD

PROJECT SUMMARY

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
	SURVEY
G-1	GENERAL NOTES #1
G-2	GENERAL NOTES #2
G-3	GENERAL NOTES #3
C-1	SABAL PINES PARK MASTER PLAN
C-2	NEXTEL SITE PLAN
C-3	DETAILS
C-4	SERVICE GATE AND FENCE DETAILS
C-5	MONOPOLE ELEVATION
S-1	SHELTER FOUNDATION
LA-1	LANDSCAPE PLAN
LA-2	LANDSCAPE DETAILS
IR-1	IRRIGATION PLAN
IR-2	IRRIGATION DETAILS
F-1	ELECTRICAL SITE PLAN
E-2	ELECTRICAL DETAILS

SHEET INDEX



P.O.B.	- DENOTES POINT OF BEGINNING
P.O.C.	- DENOTES POINT OF COMMENCEMENT
P.O.T.	- DENOTES POINT OF TERMINATION
L.B.	- DENOTES LICENSED BUSINESS
(CNC.)	- DENOTES CONCRETE
(TYP.)	- DENOTES TYPICAL
(P.)	- DENOTES DIMENSION TAKEN FROM PLAT
B.C.R.	- DENOTES BROWARD COUNTY RECORDS
P.F.C.R.	- DENOTES PALM BEACH COUNTY RECORDS
P.B.	- DENOTES PLAT BOOK
P.G.	- DENOTES PAGE
C.B.S.	- DENOTES CONCRETE BLOCK & STUCCO
F.P.L.	- DENOTES FLORIDA POWER & LIGHT CO.
R/W	- DENOTES RIGHT-OF-WAY
R	- DENOTES RADIUS
D	- DENOTES DELTA (CENTRAL) ANGLE
A	- DENOTES ARC LENGTH
℄	- DENOTES CENTERLINE
77-20	- DENOTES SPOT ELEVATION

FLOOD_ZONE	X
BASE_FLOOD_ELEVATION	N/A
MAP_NO.	12011C0115 F
COMMUNITY_NO.	120031
PANEL_NO.	0115
SUFFIX	F
DATE_OF_FIRM	AUGUST 18, 1981

NAD 1927 VALUE
LATITUDE = 26°17'34.06" NORTH
LONGITUDE = 80°10'37.68" WEST

NAD 1983 VALUE
LATITUDE = 26°17'35.35" NORTH
LONGITUDE = 80°10'36.84" WEST
GROUND ELEVATION = 13.3 N.G.V.D. '29

ALL OF TRACT "B" AND THAT CERTAIN 0.007 FOOT C/MAL RIGHT-OF-WAY AS SHOWN ON WINSTON PARK SECTION TWO ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 138, PAGE 1 OF SAID PUBLIC RECORDS, TOGETHER WITH ALL OF PARCEL "E" AND A PORTION OF PARCEL "C" AS SHOWN ON BANYAN TRAILS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 154, PAGE 1, OF SAID PUBLIC RECORDS, TOGETHER WITH ALL OF PARCEL "B", COCO LAKES, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 155, PAGE 25 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA TOGETHER WITH A PORTION OF THAT CERTAIN 15 FOOT ROAD RESERVATION AS VACATED BY OFFICIAL RECORDS BOOK 15870, PAGE 4 OF SAID PUBLIC RECORDS, TOGETHER WITH A PORTION OF THAT CERTAIN ROAD RESERVATION AS SHOWN OF THE PLAT OF PALM BEACH FARMS COMPANY PLAT NO. 3, AS RECORDED IN PLAT BOOK 3, PAGES 45 THRU 54 (INCLUSIVE) OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS - SEE NOTE BELOW.

BEGINNING AT THE SOUTHEAST CORNER OF SAID PARCEL 'B', ALSO BEING THE NORTHEAST CORNER OF SAID PARCEL 'E'; THENCE SOUTH 09°02'21" EAST; A DISTANCE OF 1078.85 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE SOUTHERLY ALONG THE ARC OF SAID CIRCULAR CURVE, HAVING A RADIUS OF 491.03 FEET AND A CENTRAL ANGLE OF 70°00'00" WEST; NON-TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 2594.1 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE LEFT; THENCE WESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 491.03 FEET AND A CENTRAL ANGLE OF 31°06'00" EAST; A DISTANCE OF 331.08 FEET; THENCE NORTH 81°04'21" WEST; NON-TANGENT TO THE LAST DESCRIBED CURVE; A DISTANCE OF 144.74 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 316.91 FEET AND A CENTRAL ANGLE OF 34.48 FEET; THENCE NORTH 81°04'21" WEST; A DISTANCE OF 154.88 FEET; THENCE SOUTH 26°05'21" WEST; A DISTANCE OF 126.88 FEET; THENCE SOUTH 65°00'00" WEST; A DISTANCE OF 273.66 FEET; THENCE SOUTH 58°00'00" WEST; A DISTANCE OF 119.84 FEET TO THE POINT OF INTERSECTION OF SAID LOTS 54 AND 55; THENCE SOUTHWESTERLY ALONG THE WESTERLY BOUNDARY OF SAID LOT 55, HAVING THEREON A DISTANCE OF 403.56 FEET TO THE SOUTHWEST CORNER OF LOT 54; SAID 540'00" SIDING ON PARK SECTION TWO; THENCE NORTH 00°00'00" WEST; ALONG THE EAST BOUNDARY OF SAID LOT 54 AND THE NORTHERLY PROJECTION THEREOF, ALSO BEING ALONG THE WEST BOUNDARY OF THE WESTERLY BOUNDARY OF SAID LOT 54, A DISTANCE OF 114.47 FEET TO THE POINT OF INTERSECTION OF SAID LOT 54 WITH THE WESTERLY BOUNDARY OF THE NORTH BOUNDARY OF SAID PARCEL 'B'; AND CONTINUING ALONG THE NORTH BOUNDARY OF SAID PARCEL 'B', A DISTANCE OF 1815.89 FEET TO THE INTERSECTION WITH THE INTERSECTION WITH THE SOUTHERLY PROJECTION OF THE WEST BOUNDARY OF SAID TRACT 'B'; THENCE SOUTHWESTERLY ALONG THE WESTERLY BOUNDARY OF SAID TRACT 'B', A DISTANCE OF 114.47 FEET TO THE POINT OF INTERSECTION OF SAID TRACT 'B' WITH THE WESTERLY BOUNDARY OF SAID LOT 54; THENCE CONTINUE NORTH 09°02'21" WEST ALONG SAID WEST BOUNDARY OF TRACT 'B' A DISTANCE OF 872.34 FEET TO A POINT ON THE SOUTHEAST RIGHT-OF-WAY OF WINSTON PARK BOULEVARD AS SHOWN ON SAID WINSTON PARK SECTION TWO; THE RADIAL POINT OF THE NEXT DESCRIBED CURVE BEARS NORTH 42°02'21" WEST FROM SAID POINT; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, ALSO BEING THE WESTERLY BOUNDARY OF SAID TRACT 'C', HAVING A RADIUS OF 114.47 FEET AND A CENTRAL ANGLE OF 80°00'00" EAST; A DISTANCE OF 2.59 FEET; THENCE NORTH 80°00'00" EAST; NON-TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 84.27 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY ALONG THE ARC OF SAID CIRCULAR CURVE, HAVING A RADIUS OF 114.47 FEET AND A CENTRAL ANGLE OF 80°00'00" EAST; A DISTANCE OF 84.27 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY ALONG THE ARC OF SAID CIRCULAR CURVE, HAVING A RADIUS OF 114.47 FEET AND A CENTRAL ANGLE OF 80°00'00" EAST; A DISTANCE OF 84.27 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY ALONG THE ARC OF SAID CIRCULAR CURVE, HAVING A RADIUS OF 114.47 FEET AND A CENTRAL ANGLE OF 80°00'00" EAST; A DISTANCE OF 84.27 FEET TO THE POINT OF TANGENCY, THENCE NORTH 00°00'00" EAST; A DISTANCE OF 119.10 FEET TO THE NORTHEAST CORNER OF SAID PARCEL 'D'; THE RADIAL POINT OF THE NEXT DESCRIBED CURVE BEARS SOUTH 08°00'00" WEST FROM SAID CORNER; THENCE EASTERLY SOUTHEASTERLY AND SOUTHERLY ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 270.0 FEET AND A CENTRAL ANGLE OF 80°00'00"; A DISTANCE OF 279.87 FEET TO THE POINT OF TANGENCY, THENCE NORTH 00°00'00" EAST; A DISTANCE OF 119.10 FEET TO THE NORTHEAST CORNER OF SAID PARCEL 'D';

(2) DESCRIBED CURVES BEING ALONG THE WESTERLY BOUNDARY OF W. 39th AVENUE AS SHOWN ON SAID COCO LAKES PLAT

*NOTE: PARCEL 'D', BANYAN TRAILS, PLAT BOOK 154, PAGE 3 AS RECORDED IN THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, WAS NOT INCLUDED IN DESCRIPTION CAPTION AND SHOULD BE.

CONTAINING 54 158 ACRES, MORE OR LESS

A PORTION OF PARCEL "D" OF **BANYAN TRAILS**, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF PARCEL "E" OF SAID BANYAN TRAILS, THENCE SOUTH 00° 51' 12" EAST, ALONG THE EAST LINE OF SAID PARCEL "E", SAID EAST LINE ALSO BEING THE WEST RIGHT-OF-WAY LINE OF N W 39TH AVENUE, A DISTANCE OF 440.30 FEET; THENCE SOUTH 88° 04' 48" WEST, A DISTANCE OF 269.95 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED NEXTEL LEASE SITE:

THENCE NORTH 60°49' WEST, A DISTANCE OF 48.00 FEET; THENCE NORTH 29°51' EAST, A DISTANCE OF 14.34 FEET; THENCE NORTH 89°42' EAST, A DISTANCE OF 11.28 FEET; THENCE SOUTH 60°49' EAST, A DISTANCE OF 29.77 FEET; THENCE SOUTH 00°00'18" EAST, A DISTANCE OF 16.88 FEET; THENCE SOUTH 29°51' WEST, A DISTANCE OF 54.00 FEET, TO THE POINT OF BEGINNING.

CONTAINING 871 SQUARE FEET OR 0.0200 ACRES, MORE OR LESS.

A STRIP OF LAND 20 FEET IN WIDTH FOR ACCESS TO EASEMENT PURPOSES, SAID STRIPLYING WITH A PORTION OF PARCEL TWO (2) OF BANYAN TRAIL, AS RECORDED IN PLAT BOOK 164, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, A PORTION OF TRACT "B" AND THAT CERTAIN 100 FOOT ALLEY RIGHT-OF-WAY AS SHOWN ON WINSTON PARK SECTION TWO, AS RECORDED IN PLAT BOOK 138, PAGE 1, OF SAID PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, PARCELS ONE (1) OF 425.00' X 100' RIGHT-OF-WAY AS SHOWN ON MAP OF PALM BEACH FARMS, RECORDED IN PLAT NO. 179, PAGE 1, OF SAID PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, AND A PORTION OF PARCEL "B", COCO LAKES, AS SHOWN ON PLAT BOOK 165, PAGE 25, OF SAID PUBLIC RECORDS OF BROWARD COUNTY, THE SIDELINES OF SAID ACCESS EASEMENT LYING 10.00 FEET OF EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCE AT THE SOUTHEASTERLY CORNER (POINT OF BEGINNING) OF THE PREVIOUSLY DESCRIBED NEXTEL LEASE SITE; THENCE NORTH 80°04'49" WEST, ALONG THE SOUTHWESTERLY LINE OF SAID NEXTEL LEASE SITE, DISTANCE OF 48.00 FEET; THENCE, NORTH 28°09'11" EAST, ALONG THE NORTHWESTERLY LINE OF SAID NEXTEL LEASE SITE, A DISTANCE OF 10.00 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED CENTERLINE:

[illegible]

NOTES:

- [illegible]

CERTIFICATION:

I HEREBY CERTIFY THAT THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREON MEETS THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 81G17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES.

W. L. FISH & COMPANY, INC.

BY: WAYNE LARRY FISH
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA STATE REG. NO. 5236

DATE OF LAST FIELD WORK: MAY 18, 2001



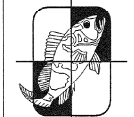
REVISIONS:

NOT VALID WITHOUT
EMBOSSED SURVEYORS SEAL

**BOUNDARY AND TOPOGRAPHIC SURVEY OF
LEASE SITE FOR:**

NEXTEL SITE FL-3672-B,
TP/WINSTON PARK
BROWARD COUNTY, FLORIDA

W.L.FISH & COMPANY[®]
PROFESSIONAL SURVEYORS AND MAPPERS
305 S. Narcoissus Ave., Suite 712, West Palm Beach, Florida 33401
Phone: (561) 633-5001 Fax: (561) 659-6745
E-mail: mappers@wlfish.com



DRAWN:
M. LA TOUR

CHECKED:

W. L. FISH

05/18/2001

JOB NO.

2000-284A

SHEET NO.

2 OF 17

STANDARD PROVISIONS

PART 1 GENERAL

1-1.00 NEXTEL COMMUNICATIONS REPRESENTATIVE

A. THE NEXTEL COMMUNICATIONS SITE DEVELOPMENT MANAGER (HEREIN AFTER SDM) OR HIS DESIGNEE (INCLUDING BUT NOT LIMITED TO THE ARCHITECT/ENGINEER, OR CONSTRUCTION MANAGER) SHALL SERVE AS THE SINGLE POINT OF CONTACT BETWEEN THE CONTRACTOR AND NEXTEL COMMUNICATIONS, NOT WITHSTANDING THE REQUIREMENTS SPECIFIED HEREIN. THE SDM OR DESIGNATED REPRESENTATIVE IS EMPOWERED TO DIRECT THE CONTRACTOR TO VARY OR CHANGE FROM THE PLANS AND SPECIFICATIONS AS CIRCUMSTANCES OR CONDITIONS ARISE.

1-1.01 INTENT

A. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS ACCOMPANYING THEM DESCRIBE THE WORK TO BE PERFORMED AND THE MATERIALS TO BE FURNISHED FOR THE CONSTRUCTION OF THE NEXTEL COMMUNICATIONS SITE NO. FL3672B, WINSTON PARK

B. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND COMPLEMENTARY. HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE THE SAME AS IF SHOWN, INDICATED OR SPECIFIED ON BOTH.

C. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS INDICATED IN THE DOCUMENTS.

D. THE PURPOSE OF THE SPECIFICATIONS IS TO SUPPLEMENT THE INTENT OF THE DRAWINGS AND TO DESIGNATE A PROCEDURE, TYPE OR QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.

E. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OR INTENT OF THE DESIGN WILL BE MADE OF PERMITTED BY NEXTEL, INC WITHOUT A CHANGE ORDER.

1-1.02 CONFLICTS

A. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR PERFORMING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY INADVERTENTLY OCCUR SHALL BE SUBMITTED TO THE NEXTEL COMMUNICATIONS SDM FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREA.

B. THE CONTRACTOR, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING WHICH SUCH THE CONTRACTOR MIGHT NOT HAVE FULLY INFORMED HIMSELF PRIOR TO BIDDING.

C. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED WILL BE ACCEPTED AS A REASON FOR ANY FAILURE OR OMISSION ON PART OF THE CONTRACTOR TO FULFILL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

1-1.03 BIDDING PROCESS

A. BIDDING SCOPE

CONTRACTORS TO SUPPLY ALL MATERIALS AND PERFORM ALL LABOR AS SHOWN, AND PROVIDE ALL TOOLS, EQUIPMENT AND TRANSPORTATION NECESSARY TO COMPLETE THE WORK AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

PROJECT NAME: WINSTON PARK, SITE NUMBER: FL3672B

1. ANTENNA CONSIST OF: (9) BASE STATION ANTENNAS FURNISHED BY NEXTEL COMMUNICATIONS.

2. ALL ADDITIONAL ANTENNAS SUPPLIED BY: NEXTEL COMMUNICATIONS

3. ALL FOAM DIELECTRIC COAXIAL CABLES AND JUMPER CABLES SUPPLIED BY NEXTEL COMMUNICATIONS

4. INTERCONNECTION METHOD: T-SPAN

5. RADIO EQUIPMENT (FME) SUPPLIED BY NEXTEL COMMUNICATIONS AND IS INSTALLED BY: OTHERS

6. COMMERCIAL POWER SURGE ARRESTOR SUPPLIED BY NEXTEL COMMUNICATIONS

7. TELEPHONE FACILITY SURGE ARRESTOR SUPPLIED BY NEXTEL COMMUNICATIONS

NOTE: GENERAL CONTRACTOR TO PICK UP FURNISHED MATERIALS AS DIRECTED BY SDM.

B. INSTRUCTIONS TO BIDDERS

NEXTEL COMMUNICATIONS REQUESTS A FIRM SUM BID FOR ALL WORK DESCRIBED IN THE CONTRACT AND AS INDICATED IN THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS.

1. BIDDERS WILL GUARANTEE BIDS FOR 60 DAYS FROM BID DUE DATE. BIDS SHALL INCLUDE ALL APPLICABLE STATE AND FEDERAL TAXES.

2. PROPOSAL: (AS OUTLINED IN BID DOCUMENTS)

IT IS UNDERSTOOD BY NEXTEL COMMUNICATIONS THAT THE BIDDER IN SUBMITTING HIS BID, WARRANTS THAT HE HAS CAREFULLY EXAMINED THE SITE OF THE PROJECT TO ACQUAINT HIMSELF WITH:

A. SURROUNDING PROPERTIES.

B. MEANS OF APPROACH TO THE SITE.

C. CONDITIONS OF THE ACTUAL JOB SITE.

D. FACILITIES FOR DELIVERING, STORING, PLACING, HANDLING, AND REMOVAL OF MATERIALS AND EQUIPMENT.

E. ANY AND ALL DIFFICULTIES THAT MAY BE ENCOUNTERED DURING THE EXECUTION OF ALL WORK IN ACCORD WITH THE CONTRACT DOCUMENTS.

1-1.04 CONTRACTS AND WARRANTIES

A. "A1A DOCUMENT A107" ABBREVIATED FORM OF AGREEMENT BETWEEN NEXTEL COMMUNICATIONS AND CONTRACTOR HAS BEEN MODIFIED AND WILL BE EMPLOYED FOR CONTRACT PURPOSES.

B. EACH CONTRACTOR IS RESPONSIBLE FOR PULLING THE BUILDING PERMIT AT THE LOCAL JURISDICTION AS THE CONTRACTOR OF RECORD, AND PROVIDE JURISDICTION WITH ALL PROOF REQUIRED TO OPERATE AS A CONTRACTOR IN THAT JURISDICTION. THE CONTRACTOR SHALL BE REIMBURSED FOR THE AMOUNT OF ANY FEE PAID AS FOLLOWS:

1. PLAN REVIEW FEE.

2. BUILDING PERMIT FEE.

3. CONNECTIONS AND INSPECTIONS FEE.

C. EACH CONTRACTOR IS RESPONSIBLE FOR APPLICATION & PAYMENT OF CONTRACTOR LICENSES & BONDS.

1-1.05 STORAGE:

A. DO NOT USE THE EXISTING BUILDING SPACE FOR STORAGE OF TOOLS OR MATERIALS WITHOUT THE SDM AND/OR BUILDING OWNER APPROVAL.

B. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY LOCATION AND IN A MANNER THAT WILL NOT OBSTRUCT THE FLOW OF OTHER WORK. ANY EQUIPMENT OR MATERIAL STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE MANUFACTURER.

1-1.06 PROTECTION:

A. PROTECT FINISHED SURFACES, INCLUDING JAMBS AND HEADS OF OPENINGS USED AS PASSAGEWAYS THROUGH WHICH EQUIPMENT AND MATERIALS WILL PASS.

B. PROVIDE PROTECTION FOR EQUIPMENT ROOM SURFACES PRIOR TO ALLOWING EQUIPMENT OR MATERIALS TO BE MOVED OVER SUCH SURFACES.

C. MAINTAIN FINISHED SURFACES CLEAN, UNMARRED AND SUITABLY PROTECTED UNTIL JOB SITE IS ACCEPTED BY SDM.

1-1.07 REPAIRS AND REPLACEMENTS:

A. IN EVENT OF DAMAGE, THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS AND REPAIRS AND AT NO ADDITIONAL COST TO NEXTEL COMMUNICATIONS AND/OR BUILDING OWNER.

B. ADDITIONAL TIME REQUIRED TO SECURE REPLACEMENTS AND TO MAKE REPAIRS WILL NOT BE CONSIDERED BY NEXTEL COMMUNICATIONS TO JUSTIFY AN EXTENSION IN THE CONTRACT TIME FOR COMPLETION.

1-1.08 TEMPORARY FACILITIES:

A. WATER: WATER IS NOT AVAILABLE TO THE CONTRACTORS ON SITE.

B. LIGHT AND POWER: LIGHT AND POWER ARE NOT AVAILABLE ON SITE.

C. TELEPHONE: EACH CONTRACTOR TO PROVIDE HIS OWN TELEPHONE ACCESS IF REQUIRED. CONTRACTORS ARE NOT TO USE NEXTEL COMMUNICATIONS PHONES.

D. IF PERMANENT POWER IS COMPLETED, ALL CONTRACTORS MAY USE THE SERVICE CONNECTION FOR PRODUCTION WORK ONLY. PROVIDED THAT ELECTRICAL CORDS AND CONNECTIONS ARE FURNISHED BY THE CONTRACTORS AND ARE DISCONNECTED AND PROPERLY STORED DURING NON-WORKING HOURS.

1-1.09 CLEAN UP:

A. THE CONTRACTORS SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK, AND AT THE COMPLETION OF THE WORK, THEY SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING, INCLUDING ALL TOOLS, SCAFFOLDING AND SURPLUS MATERIALS, AND SHALL LEAVE THE WORK CLEAN AND READY FOR USE.

B. EXTERIOR: VISUALLY INSPECT EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WATER MATERIALS, SMUDGES AND OTHER FOREIGN MATTER.

1. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.

C. INTERIOR: VISUALLY INSPECT INTERIOR SURFACE AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER.

1. REMOVE ALL TRACES OF SPLASHED MATERIAL FROM ADJACENT SURFACES.

2. REMOVE PAINT DROPPINGS, SPOTS, STAINS AND DIRT FROM FINISHED SURFACES.

D. CONTRACTOR SHALL WASH AND WAX FLOOR PRIOR TO FINAL ACCEPTANCE. FLOOR WAX SHALL BE OF THE ANTI-STATIC TYPE.

1 1.10 CHANCE ORDER PROCEDURE:

A. CHANGE ORDER MAY BE INITIATED BY THE SDM, AND/OR THE CONTRACTOR. THE CONTRACTOR, UPON VERBAL REQUEST FROM THE SDM SHALL PREPARE A WRITTEN PROPOSAL DESCRIBING THE CHANGE IN WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACT AMOUNT AND PRESENT TO THE SDM FOR APPROVAL. SUBMIT REQUESTS FOR SUBSTITUTIONS IN THE FORM AND IN ACCORDANCE WITH PROCEDURES REQUIRED FOR CHANGE ORDER PROPOSALS. ANY CHANGES THE SCOPE OF WORK OR MATERIALS WHICH ARE PERFORMED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER AS DESCRIBED AND APPROVED BY THE SDM, SHALL BECOME THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1-1.11 RELATED DOCUMENTS AND COORDINATION.

A. GENERAL CARPENTRY, ELECTRICAL, AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, EACH CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION TO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

1 1.12 SHOP DRAWINGS:

A. CONTRACTORS TO SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE SPECIFICATIONS THROUGH THE GENERAL CONTRACTOR TO THE SDM, FOR APPROVAL.

B. ALL SHOP DRAWINGS TO BE REVIEWED, CHECKED AND CORRECTED BY GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO THE SDM.

1-1.13 PRODUCTS AND SUBSTITUTIONS:

A. SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST IDENTIFY THE PRODUCT FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION. INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS, AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTIONS.

B. ALL NECESSARY PRODUCT DATA AND CUT SHEET WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS, AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE SDM, SUBMIT ACTUAL SAMPLES TO THE SDM FOR APPROVAL IN LIEU OF CUT SHEETS.

1-1.14 COMPLIANCE

A. ALL MATERIALS, DESIGN, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES (SOME OF WHICH ARE LISTED BELOW), ORDINANCES, AND AUTHORITIES HAVING JURISDICTION OVER THE WORK. UPON THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE NEXTEL WITH A CERTIFICATE OF OCCUPANCY (IF REQUIRED) AND OTHER LEGAL DOCUMENTS TO VERIFY SUCH COMPLIANCE. WHERE NO CODES EXIST, THE WORK SHALL CONFORM WITH THE STANDARD BUILDING CODE, AND/OR THE SPECIFICATIONS HEREIN, WHICHEVER IS MORE STRINGENT, AND A DOCUMENT STATEMENT SHALL BE FURNISHED TO THIS EFFECT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY COMPLIANCE WITH THE GOVERNING CODES AND TO NOTIFY THE SDM OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.

REFERENCE TO ANY STANDARD OR CODE OF PRACTICE IN THIS SPECIFICATION SHALL BE DEEMED TO MEAN THE EDITION CURRENT AT THE TIME OF AWARD OF THE CONTRACT. THE CONTRACTOR SHALL COMPLY WITH ALL ZONING AND SITE ACQUISITION SPECIAL STIPULATIONS AS OUTLINED IN THE JOB SPECIFICATIONS, OR AS DIRECTED BY THE SDM.

ANSI/AIA - 222 - E STANDARD BUILDING CODE BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA) NATIONAL ELECTRICAL CODE (NEC) WITH LOCAL AMENDMENTS UNDERWRITERS LABORATORIES APPROVED ELECTRICAL PRODUCTS AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS (AISC) LIFE SAFETY CODE NFPA - 101 FEDERAL AVIATION REGULATIONS

1-1.15 ADMINISTRATION

A. THE CONTRACTOR SHALL FURNISH TO THE SDM WITH THE NAME AND CONTACT TELEPHONE NUMBERS (MOBILE, PAGER, AND RESIDENCE/HOTEL) OF THE INDIVIDUAL APPROVED ON-SITE SUPERVISOR. ANY CHANGES IN SUPERVISION MUST BE REPORTED TO THE SDM IMMEDIATELY AND ARE SUBJECT TO NEXTEL APPROVAL.

B. PERMITS AND LICENSES

THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL REQUIRED LOCAL, STATE, AND/OR COUNTY CONSTRUCTION PERMITS AND LICENSES. COPIES OF ALL PERMITS SHALL BE SENT TO SDM. APPROVALS FROM RELEVANT PLANNING BOARDS, ENVIRONMENTAL BOARDS, AND/OR OTHER COMMITTEES WILL BE SUPPLIED BY OTHERS, BUT MUST BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE APPLICATION FOR CONSTRUCTION PERMITS.

FAA APPROVAL WILL BE SUPPLIED BY OTHERS, BUT MUST BE CONFIRMED BY THE CONTRACTOR WITH THE SDM PRIOR TO THE COMMENCEMENT OF WORK.

C. SUBMIT A BAR CHART TYPE PROGRESS SCHEDULE NOT MORE THAN 3 DAYS AFTER THE DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK ON THE SCHEDULE. INDICATE A TIME BAR FOR EACH MAJOR CATEGORY OR UNIT OF WORK TO BE PERFORMED AT SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK. SHOW COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE WORK. THE SCHEDULE SHALL INCLUDE START AND FINISH DATES FOR THE FOLLOWING ITEMS:

BUILDING PERMIT FINISH CARPENTRY INSPECTIONS GROUNDING SYSTEM COMMERCIAL AC POWER ANTENNA INSTALLATION

D. PRIOR TO COMMENCING THE WORK, THE GENERAL CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH ALL MAJOR PARTIES TO THE PROJECT. THIS WOULD INCLUDE (THOUGH NOT LIMITED TO) THE DESIGNATED ELECTRICIAN, LOCAL TELEPHONE COMPANY, CARPENTRY FOREMAN (IF SUBCONTRACTED), A REPRESENTATIVE FROM THE LOCAL SPECIFIED WAREHOUSE AND SDM OR HIS DESIGNATED REPRESENTATIVE.

E. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION AND NO FURTHER WORK SHALL BE PERFORMED UNTIL DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS OWN RISK AND EXPENSE.

F. THE CONTRACTOR SHALL BE EQUIPPED WITH A MEANS OF CONSTANT COMMUNICATIONS, SUCH AS A CELLULAR PHONE OR A PAGER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY NEXTEL COMMUNICATIONS NOR WILL SERVICE BE ARRANGED.

G. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY INCLUDING BUT NOT LIMITED TO PROTECTION OF ALL SITE PERSONNEL AND THE GENERAL PUBLIC DURING THE ENTIRE SITE CONSTRUCTION PERIOD. HE SHALL TAKE ALL REASONABLE PRECAUTIONS TO PLACE AND MAINTAIN BARRICADES, CAMPS, SIGNS, AND THE LIKE IN ACCORDANCE WITH OSHA SAFETY ACT AND ANSI OCCUPATIONAL GUIDELINES.

H. PROVIDE DAILY UPDATES ON SITE PROGRESS, EITHER VERBAL OR WRITTEN TO SDM.

I. COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION.

J. NOTICES UNDER THE CONTRACT

ALL NOTICES, APPLICATIONS, INSTRUCTIONS AND REQUESTS TO BE GIVEN TO THE CONTRACTOR UNDER THE CONTRACT MAY BE GIVEN VERBALLY OR IN WRITING. AT HIS OWN DISCRETION, THE CONTRACTOR SHALL FORWARD TO THE SDM A LETTER CONFIRMING HIS VERBAL AGREEMENT.

K. COORDINATION WITH PUBLIC UTILITY AUTHORITIES

THE CONTRACTOR SHALL COORDINATE WITH RELEVANT AUTHORITIES THE WORKS THEY ARE TO BE CARRIED OUT. HE SHALL CONDUCT HIS OPERATIONS SO AS TO NOT INTERFERE WITH THE OPERATIONS OF PUBLIC AND/OR PRIVATE UTILITY AUTHORITIES, INSTALLING SERVICES ON THE SITE.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF SUCH FACILITIES AND STRUCTURES DURING CONSTRUCTION OF THIS SITE.

L. INSPECTIONS

THE CONTRACTOR SHALL NOTIFY THE SDM AT LEAST 24 HOURS IN ADVANCE OF REQUIRED INSPECTIONS. INSPECTIONS THAT WILL BE REQUIRED BY THE SDM OR OTHER DESIGNATED NEXTEL REPRESENTATIVE ARE:

1. INSPECTION OF GROUNDING SYSTEM

2. PRACTICAL COMPLETION

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING THAT ALL RELEVANT AUTHORITY INSPECTIONS ARE CARRIED OUT IN A TIMELY MANNER. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF ALL INSPECTIONS.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH NEXTEL'S DESIGNATED ENGINEERING FIRM TO OBTAIN ALL REQUIRED INSPECTIONS AND TESTING. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF ALL INSPECTIONS.

M. ENVIRONMENTAL PROTECTION

NOISE LEVEL: THE CONTRACTOR SHALL ENSURE THAT STATE AND LOCAL REGULATIONS ARE COMPLIED WITH IN REGARD TO NOISE LEVELS PRODUCED BY HIS OR HIS SUB-CONTRACTOR'S EQUIPMENT OR METHODS OF CONSTRUCTION.

DUST CONTROL: THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO LIMIT THE CREATION OF ANY DUST NUISANCE THAT MIGHT ARISE DURING CONSTRUCTION TO THE SATISFACTION OF THE LOCAL AUTHORITIES AND THE BUILDING OWNER. THE SDM MAY DIRECT THAT WORK CEASE UNTIL SUCH TIME AS ANY PARTICULAR DUST NUISANCE IS CONTROLLED TO THE SATISFACTION OF THE SDM, LOCAL AUTHORITIES, AND BUILDING OWNERS.

N. REINSTATEMENT

ANY PAVEMENT, FOOTPATH, CURB, CUTTERS, WALLS, FLOORS, SERVICES, AND EXISTING FEATURES OR OTHER PROPERTIES, DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REINSTATED TO A CONDITION AT LEAST EQUAL TO THAT EXISTING BEFORE COMMENCEMENT OF OPERATIONS.

O. AS-BUILTS DRAWINGS

THE CONTRACTOR SHALL PREPARE A RED LINED SET OF AS-BUILT DRAWINGS. THE FORM OF MARKED UP CONSTRUCTION PLANS SHALL BE STANDARD ACCEPTABLE TO THE SDM. SUCH DRAWINGS SHALL BE SUBMITTED TO THE SDM WITHIN TWO WEEKS FROM PRACTICAL COMPLETION AND PRIOR TO APPROVAL OF THE CONTRACTOR'S FINAL INVOICE.

P. PRACTICAL COMPLETION

DOCUMENTATION BY NEXTEL BEFORE COMPLETION CAN BE ISSUED INCLUDE:

1. ALL QUALITY ASSURANCE CHECKLISTS AS OUTLINED IN THE PREVIOUS SECTIONS

2. WARRANTIES AND MAINTENANCE MANUALS, IF APPLICABLE

3. GROUND SYSTEM RESISTANCE TEST

4. CERTIFICATE OF OCCUPANCY

MARKED UP DRAWINGS SUITABLE TO PRODUCE AS-BUILTS WILL BE REQUIRED WITHIN TWO WEEKS FOLLOWING PRACTICAL COMPLETION AND BEFORE FINAL PAYMENT. THESE DRAWINGS SHALL BE SUBMITTED TO THE SDM FOR APPROVAL AND FURTHER PROCESSING.

LINE WAIVERS AS OUTLINED IN THE PAYMENT TERMS OF THE CONTRACT WILL BE REQUIRED PRIOR TO APPROVAL OF FINAL PAYMENT.

1 - 1.16 INSURANCE AND BONDS:

A. EACH CONTRACTOR SHALL AT HIS OWN EXPENSE CARRY AND MAINTAIN FOR THE DURATION OF THE PROJECT ALL INSURANCE AS REQUIRED AND LISTED AND SHALL NOT COMMENCE WITH HIS WORK UNTIL HE HAS PRESENTED A CERTIFICATE OF INSURANCE STATING ALL COVERAGES TO THE GENERAL CONTRACTOR WHO SHALL, IN TURN, FORWARD A COPY OF ALL CERTIFICATES TO THE SDM.

B. NEXTEL COMMUNICATIONS SITE NO. FL3672D, WINSTON PARK SHALL BE NAMED AS ADDITIONAL INSURED ON ALL POLICIES.

C. THE FOLLOWING ITEMS ARE QUALIFICATIONS THAT NEXTEL COMMUNICATIONS WILL REQUIRE FROM THE CONTRACTOR WHO IS AWARDED THE CONTRACT:

1. CONTRACTOR MUST PROVIDE PROOF OF INSURANCE MEETING NEXTEL COMMUNICATIONS INSURANCE REQUIREMENTS. THE FOLLOWING IS A LIST OF MINIMUM INSURANCE REQUIREMENTS REQUIRED BY NEXTEL COMMUNICATIONS:

STATUTORY WORKERS' COMPENSATIONS, INCLUDING \$500,000.00 EMPLOYERS' LIABILITY.

2. COMPREHENSIVE GENERAL LIABILITY INCLUDING PERSONAL INJURY, BROAD FORM PROPERTY DAMAGE, INDEPENDENT CONTRACTOR, "CGL", AND PRODUCTS/COMPLETED OPERATIONS, WITH LIMITS NOT LESS THAN \$2,000,000.00 PER OCCURRENCE.

3. ADDITIONAL INSURED ENDORSEMENT NAMING NEXTEL COMMUNICATIONS AND KIMLEY-HORN AND ASSOCIATES, INC. ON THE LIABILITY POLICIES OF THE CONTRACTOR.

4. AUTOMOBILE LIABILITY NOT LESS THAN \$1,000,000.00 PER OCCURRENCE.

5. EXCESS LIABILITY "UMBRELLA" POLICY OF \$5,000,000.00 PER OCCURRENCE.

NEXTEL
COMMUNICATIONS

6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400



Kimley-Horn and Associates, Inc.
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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845 0855

REGISTRATION NUMBERS

KIMLEY HORN & ASSOCS., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

SEAL MAY 3 0 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL REP. _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

G-1

SHEET TITLE

GENERAL NOTES #1

SHEET NUMBER

3

OF

17

GENERAL ELECTRICAL PROVISION

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATIONS, TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. HEIGHTS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANEL BOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
6. CONTRACTOR SHALL PROVIDE PANEL BOARD DIRECTORY IN TYPING FORM. HAND WRITTEN FORM IS NOT ACCEPTABLE.
7. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
8. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NBFU AND "UL" LISTED.
9. CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, SBC, NEC, COUNTY AND LOCAL CODES AND O.S.H.A.
10. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES PURSUANT TO THE WORK.
11. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
12. ALL CONDUIT SHALL HAVE A PULL WIRE OR ROPE.
13. PROVIDE SDM WITH ONE SET ON COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
14. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO SDM AT JOB COMPLETION.
15. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
16. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
17. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY SBC, NEC AND ALL APPLICABLE CODES.
18. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
19. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH APPLICABLE LOCAL BUILDING CODES.
20. RECEPTACLES SHALL BE 20 AMPERE, 125 VOLT A.C., HUBBELL #5362, WHITE. MOUNT ALL RECEPTACLES AT 18" A.F.F. OR AS REQUIRED BY THE SDM, OR APPROVED EQUAL.
21. WALL SWITCHES SHALL BE 15 AMPERE, 120 VOLT AC, SINGLE-POLE, HUBBELL #1201, WHITE OR AS REQUIRED BY THE SDM.
22. PLASTIC PLATES FOR ALL SWITCHES, RECEPTACLES, TELEPHONE AND BLANKED OUTLETS, SHALL HAVE ENGRAVED LETTERING WHERE INDICATED ON THE DRAWINGS. WEATHERPROOF RECEPTACLES SHALL HAVE SIERRA #WPD-8 LIFT COVERPLATES.
23. WIRE AND CABLE CONDUCTORS SHALL BE COPPER, 600V, TYPE THHN OR THWN, WITH A MINIMUM SIZE OF #12 AWG, COLOR CODES. ALL RECTIFIER DROPS SHALL BE STRANDED TO ACCEPT CRIMP CONNECTORS.
24. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2.
25. ALL CONDUCTORS SHALL BE COPPER.
26. ALL MATERIALS SHALL BE "UL" APPROVED.
27. METER SOCKETS, AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS. MANUFACTURED BY SQUARE "D" COMPANY OR APPROVED EQUAL.
28. CONDUIT:

A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.

B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LISTED LABEL, FITTING SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.

C. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.

D. CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILING OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ARCHITECT PRIOR TO INSTALLING.

E. ALL ALARMS SHALL BE (2) #22 AWG AND BE RUN FROM EACH OF THE ITEMS AS INDICATED ON DRAWINGS. THE ALARM WIRES SHALL HAVE AN ADDITIONAL LENGTH REACHING TO THE FLOOR, TAGGED AND LABELED WITH THE APPROPRIATE ALARM ITEM. ALL CONTACTS WILL BE NORMALLY CLOSED, DRY AND ISOLATED FROM GROUND. ALARM WILL BE NEATLY RUN AND SECURED EVERY THREE FEET TO WALLS AND EXISTING CABLE TRAY.

29. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.

30. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.

31. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO SDM. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.

GROUNDING ELECTRODE SYSTEM

A. PREPARATION

1. SURFACE PREPARATION:

ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FIELD INSPECTED TO ENSURE PROPER CONTACT. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT APPLIED PRIOR TO INSTALLATION.

2. GROUND BAR PREPARATION:

ALL COPPER GROUND BARS SHALL BE CLEANED, POLISHED AND A NON-OXIDIZING AGENT APPLIED. NO FINGERPRINTS OR DISCOLORED COPPER WILL BE PERMITTED.

3. SLEEVES:

ALL GROUNDING CONDUCTORS SHALL RUN THROUGH PVC SLEEVES WHEREVER CONDUCTORS RUN THROUGH WALLS, FLOORS OR CEILINGS. IF CONDUCTORS MUST RUN THROUGH EMT, BOTH ENDS OF CONDUIT SHALL BE GROUNDED. SEAL BOTH ENDS OF CONDUIT WITH SILICONE CAULK.

B. GROUND BARS

ALL GROUND BARS SHALL BE 1/4" THICK BARE COPPER PLATE AND OF SIZE INDICATED ON DRAWINGS.

C. INTERIOR CONNECTIONS

1. ALL INTERIOR NON-ELECTRICAL MATERIALS, I.E. HVAC GRILLES, HOLLOW METAL DOOR FRAMES/DOORS, CABLE TRAYS, TELCO ENTRANCE CONDUIT (EMT ONLY), ETC., SHALL BE GROUNDED WITH 6 GREEN GROUND WIRES OR JUMPERS WITH SINGLE HOME RUNS BACK TO THE MASTER GROUND BAR (THE CABLE TRAY, DOOR/FRAME AND STEEL CHANNEL MAY BE JUMPED TOGETHER AND HAVE A SINGLE GROUND WIRE CONNECTION TO THE MASTER GROUND BAR). ALL PAINT OR DELETTERIOUS MATERIAL SHALL BE REMOVED AT THE POINT OF ATTACHMENT OF ALL GROUND JUMPERS. ALL SINGLE LUG CONNECTORS MUST BE BOLT-THRU USING STAR AND LOCK WASHERS. DOUBLE LUG CONNECTORS MAY BE SCREWED WITH START WASHERS.

D. EXTERNAL CONNECTIONS

1. ALL GROUNDING CONNECTIONS SHALL BE MADE BY THE "CADWELD" PROCESS. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, TEE'S X'S ETC. ALL CARE TO GROUND RODS, GROUND ROD SPLICES AND LIGHTNING PROTECTION SYSTEM AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE BY "CADWELD" AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.

2. ALL GROUNDING AND BONDING CONDUCTORS SHALL BE CONNECTED BY TWO HOLES CRIMP TYPE (COMPRESSION) CONNECTIONS (EXCEPT FOR THE ACEG AND GROUND ROD) MECHANICAL CONNECTIONS, FITTING OR CONNECTIONS THAT DEPEND SOLELY ON SOLDER SHALL NOT BE USED.

3. INTERIOR WAVEGUIDE PORT SHALL BE GROUNDED TO THE INTERIOR MASTER GROUND BAR LOCATED BELOW THE WAVEGUIDE ENTRY PORT, WITH 6 SOLID WIRE. THESE CONNECTIONS SHALL BE DOUBLE LUG-BOLTED, SCREWED MECHANICAL CONNECTIONS WITH STAR WASHERS AND NON-OXIDIZING GREASE.

E. CABLES

ALL GROUND CABLES SHALL BE STANDARD TINNED SOLID BARE COPPER AND OF SIZE INDICATED ON DRAWINGS UNLESS INDICATED OTHERWISE.

F. LUGS

1. LUGS SHALL BE 2-HOLE, SHORT BARREL, STRAND COPPER UNLESS OTHERWISE SPECIFIED IN THIS DOCUMENT. LUGS SHALL BE THOMAS AND BETTS SERIES 548 BE OR EQUIVALENT.

A. 535 MCM DLO 54880BE
B. 262 MCM DLO 54872BE
C. #1/0 DLO 54862BE
D. #4/0 THWN AND BARE 54866BE
E. #2/0 THWN 54860BE
F. #2 THHN 54207BE
G. #6 DLO 54205BE

2. WHEN THE DIRECTION OF THE CONDUCTOR MUST CHANGE, IT SHALL BE DONE GRADUALLY. THE CURVATURE OF THE TURN SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING CHART:

GROUND CONDUCTOR SIZE FDXG	MINIMUM BENDING RADIUS TO INSIDE
NO. 6 AWG TO NO. 4 AWG	8 INCHES
NO. 2 AWG TO NO. 1/0 AWG	6 INCHES
NO. 2/0 AWG TO 750 MCM	1 FOOT
BUS BAR	NO RESTRICTIONS

33. ASTM FALL POTENTIAL TESTS

1. FOR TENANT IMPROVEMENT SITES, TESTING CAN BE DONE USING THE AEMC MODEL #3700 TESTER TEST THE INTERFACE BETWEEN THE ANTENNA GROUNDING CONDUITS AND BUILDING STEEL, THE SITE GROUND BUSS CONDUCTOR AND BUILDING STEEL, AND THE CONDUCTOR BETWEEN THE MASTER GROUND BAR (MGB) AND THE VERTICAL EQUALIZER.

COAXIAL CABLE

3-1.01 GENERAL

A. ALL MATERIALS, PRODUCTS OR PROCEDURES INCORPORATED INTO WORK SHALL BE NEW AND OF STANDARD COMMERCIAL QUALITY.

B. CERTAIN MATERIALS AND PRODUCTS WILL BE SUPPLIED BY NEXTEL COMMUNICATIONS (REFER TO THE INDEX FOR THE LIST OF NEXTEL COMMUNICATIONS FURNISHED EQUIPMENT, MATERIALS AND SUPPLIES FOR THESE ITEMS). THE CONTRACTOR IS RESPONSIBLE FOR PICK-UP AND DELIVERY TO SITE ALL NEXTEL COMMUNICATIONS FURNISHED MATERIALS.

C. ALL OTHER MATERIALS AND PRODUCTS SHOWN IN THE SPECIFICATIONS SKETCHES, DRAWINGS, GENERAL CONTRACT DOCUMENTS, ADDENDUMS, AMENDMENTS AND/OR INSTRUCTION SHALL BE SUPPLIED BY THE CONTRACTOR.

3-2.01 MATERIALS

A. ANTENNAS:

INSTALLATION OF ANTENNAS AND ASSOCIATED MOUNTINGS SHALL USE HARDWARE PER MANUFACTURER'S RECOMMENDED STANDARDS OF PRACTICE.

B. CABLE:

INSTALLATION OF COAXIAL CABLE AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT ROOM ELECTRONICS PER MANUFACTURER'S RECOMMENDED STANDARDS OF PRACTICE. ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT SPACE ENTRY PORT SHALL BE WEATHER PROOFED WITH A WEATHER PROOFING KIT (ANDREW 221213 OR EQUAL) PROVIDED BY THE CONTRACTOR. ALL COAX TO TERMINATE ONE FOOT INSIDE EQUIPMENT SPACE OR BUILDING UNLESS OTHERWISE STATED.

1. CABLE SPECIFICATION:

A. 1 5/8" DIA COAXIAL CABLE - ANDREW LDF 7-50A
B. 1 1/4" DIA COAXIAL CABLE - ANDREW LDF 6-60
C. 7/8" DIA COAXIAL CABLE - ANDREW LDF 5-50
D. 1/2" DIA COAXIAL CABLE - ANDREW LDF 4-75A

2. HOISTING GRIP

A. FOR 1 5/8" DIA COAXIAL CABLE - USE ANDREW 24312A
B. FOR 1 1/4" DIA COAXIAL CABLE - USE ANDREW 19961
C. FOR 7/8" DIA COAXIAL CABLE - USE ANDREW 19256B
D. FOR 1/2" DIA COAXIAL CABLE - USE ANDREW 43094

3-202 ANTENNA AND COAXIAL CABLE GROUNDING

A. THE DIRECTIONAL ANTENNA COAX CABLES ARE TO HAVE AS A MINIMUM OF TWO GROUND KITS INSTALLED, ONE AT THE ANTENNA JUMPER CONNECTION AND ONE AT THE WAVEGUIDE ENTRY PORT.

B. ALL EXTERIOR #6 GREEN GROUND WIRE DAISY CHAIN CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT TYPE #221213 OR EQUAL.

C. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS (NOT WITHIN BENDS) OF COAX CABLE.

1. FOR 1 5/8" DIA COAXIAL CABLE - USE ANDREW 241088-4
2. FOR 1 1/4" DIA COAXIAL CABLE - USE ANDREW 241088-3
3. FOR 7/8" DIA COAXIAL CABLE - USE ANDREW 241088-2
4. FOR 1/2" DIA COAXIAL CABLE - USE ANDREW 241088-1

3-203 COAXIAL CABLE IDENTIFICATION

A. TO PROVIDE EASY IDENTIFICATION AND UNIFORM MARKING OF ANTENNA CABLEING, THE FOLLOWING SHALL APPLY:

1. LOCATION: MARKINGS SHALL BE MADE BY USE OF 3M COLORED, 1-INCH WIDE TAPE AFFIXED AT THREE PLACES ON THE COAX CABLE RUN AS FOLLOWS:

a. FIRST LOCATION IS AT THE END OF THE COAX NEAREST THE ANTENNA (WHERE THE COAXIAL CABLE AND JUMPER ARE CONNECTED).

b. SECOND, AT A POINT OUTSIDE THE WAVEGUIDE ENTRY PRIOR ENTERING THE BUILDING

c. THIRD, INSIDE THE EQUIPMENT SPACE, AT A POINT ON THE COAXIAL CABLE, APPROXIMATELY 10 INCHES FROM THE WAVEGUIDE ENTRY PORT.

2. SECTOR IDENTIFICATION: NORMALLY A SITE WILL HAVE UP TO THREE SECTORS. SECTORS SHALL BE DESIGNATED BY NUMBERING EACH IN A CLOCKWISE MANNER. THE FIRST SECTOR IS THE ONE CLOSEST TO (MEASURING CLOCKWISE) ZERO DEGREES (TRUE NORTH). THE SECOND AND THIRD FOLLOW CLOCKWISE IN SEQUENCE. THEREFORE, THE MARKING OF ANTENNA CABLEING IS AS FOLLOWS:

a. SECTOR #1 COAXIAL CABLE WILL HAVE ONE BAND OF A PRE-SELECTED COLORED TAPE (REFER TO 3-204) FOR EACH COAXIAL RUN. NORMALLY SITES WILL INITIALLY GO ON THE AIR WITH AS FEW AS TWO ANTENNAS PER SECTOR AND AS THE SYSTEM GROWS, AN ADDITIONAL ONE TO TWO ANTENNAS MAY BE ADDED.
b. SECTOR #2 COAXIAL CABLE WILL HAVE TWO BANDS OF PRE-SELECTED COLORED TAPE.
c. SECTOR #3 COAXIAL CABLE WILL HAVE THREE BANDS OF PRE-SELECTED COLORED TAPE.

3-204

A. COLOR CODE

THE RULE IS TO FACE THE SECTOR UNDER OBSERVATION WHEN DETERMINING THE POSITIONING OF THE COAXIAL CABLE RUN AND ANTENNA ON THE BUILDING STRUCTURE.

1. RED IS THE DESIGNATED COLOR TAPE TO BE AFFIXED TO THE COAXIAL CABLE FOR THE RUN (ANTENNA) AT THE EXTREME LEFT.

2. GREEN IS THE DESIGNATED COLOR TAPE TO BE AFFIXED TO THE COAXIAL CABLE FOR THE RUN (ANTENNA) AT THE EXTREME RIGHT. AS A MEMORY AID, WHEN FACING (LOOKING) AT THE SPECIFIC SECTOR, THE LEFT HAND SIDE (RED) AND RIGHT HAND SIDE (GREEN) CORRESPONDS TO THE MARITIME "GREEN" FOR STARBOARD AND "RED" FOR PORTSIDE. THESE TWO COLORS DENOTE THE ANTENNAS AND COAXIAL CABLE AT THE EXTREME ENDS OF THE BUILDING STRUCTURE.

3. BLUE IS THE DESIGNATED COLOR TAPE TO BE AFFIXED TO THE COAXIAL CABLE FOR THE THIRD ANTENNA/COAXIAL CABLE RUN AND ANTENNA (MIDDLE). AS A MEMORY AID, RUN THE COAXIAL CABLE COLORS WITH THE FLAG IN MIND, RED, GREEN AND BLUE. THIS WILL ASSIST IN REMEMBERING THE COLORS FOR THE TWO INSIDE COAXIAL CABLE/ANTENNAS.

B. EXAMPLES

1. TWO BANDS OF RED TAPE DESIGNATES SECTOR TWO, AT THE EXTREME LEFT ANTENNA/COAXIAL CABLE RUN.

2. TWO BANDS OF GREEN TAPE DESIGNATES SECTOR TWO, AT THE EXTREME RIGHT ANTENNA/COAXIAL CABLE RUN.

3. TWO BANDS OF BLUE TAPE DESIGNATE SECTOR TWO, FOR THE THIRD ANTENNA/COAXIAL CABLE RUN (MIDDLE).

4. TRIPLE BANDS OF RED, GREEN, AND BLUE TAPE DESIGNATES SECTOR THREE (REMEMBER THE RULE IS TO FACE THE SECTOR UNDER OBSERVATION. RED IS EXTREME LEFT, GREEN IS EXTREME RIGHT AND BLUE IS MIDDLE).

3-206 TESTING:

PROVIDE FOUR (4) SETS OF SWEEP TEST AND T.D.R. TEST RESULTS TO THE SDM. SWEEP TESTS SHALL BE AS PER ATTACHED ANDREW "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATE 10-5-93. DOCUMENTS ARE TO BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.

3-207 COAXIAL CABLE LIGHTNING SURGE PROTECTION

A. INSTALLATION AND GROUNDING OF THE FOLLOWING OWNER FURNISHED CONTRACTOR INSTALLED MATERIAL:

- ONE POLY-PHASE (REFERENCED ATTACHED CATALOG CUT) PER TRANSMISSION CABLE RUN.
- ONE TRI-LEVEL POLY-PHASE TRAPEZE HANGING ASSEMBLY (KIT TO BE ASSEMBLED).

THE POLY PHASER AND ASSOCIATED TRAPEZE HANGING ASSEMBLY SHOULD BE MOUNTED 1'-0" INSIDE THE WAVEGUIDE ENTRY PORT AT 2'-6" A.F.F. A MINIMUM #6 GROUND WIRE SHOULD BE RUN FROM EACH LEVEL OF THE TRAPEZE HANGING ASSEMBLY TO THE MAIN GROUND BUSS BAR.

NEXTEL
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SEAL

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RE: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DGW
DATE: MAY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

C-2

SHEET TITLE

GENERAL NOTES #2

SHEET NUMBER

4

OF

17

C & W engineering

ELECTRICAL CONSULTANTS

2326 S. CONGRESS AVE., 2E, WPB, FL 33406
(407) 642-5333

METALS

PART 1 - GENERAL

1. SECTION INCLUDES:

STRUCTURAL STEEL FRAMING MEMBERS, BASE PLATES, PLATES, BARS AND GROUTING UNDER BASE PLATES.

2. SUBMITTALS:

SHOP DRAWINGS. INDICATE SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, CONNECTIONS, CAMBERS, LOADS, AND WELDED SECTIONS.

3. QUALITY ASSURANCE

- A. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
- B. PERFORM DESIGN UNDER DIRECT SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE.

PART 2 - PRODUCTS

1. MATERIALS:

- A. STRUCTURAL STEEL MEMBERS: ASTM A36
- B. STRUCTURAL TUBING: ASTM A501, GRADE B
- C. PIPE: ASTM A53, TYPE E OR S, GRADE B
- D. GALVANIZING: ASTM A36
- E. BOLTS, NUTS AND WASHERS: ASTM A325
- F. ANCHOR BOLTS: ASTM A307
- G. WELDING MATERIALS: AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED
- H. GROUT: NON-SHRINK TYPE, PREMIXED COMPOUND CONSISTING OF NONMETALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI AT 28 DAYS.

- I. SHOP AND TOUCH-UP PRIMER: SSPC 15, TYPE 1, RED OXIDE
- J. TOUCH-UP PRIMER FOR GALV. ZINC RICH TYPE SURFACES

2. FABRICATION

CONTINUOUSLY SEAL JOINTED MEMBERS BY CONTINUOUS WELDS. GRIND EXPOSED WELDS SMOOTH.

3. FINISH

- A. PREPARE STRUCTURAL COMPONENT SURFACES IN ACCORDANCE WITH SSPC SP-1 TO SP-10 PROCEDURES.
- B. SHOP PRIME STRUCTURAL STEEL MEMBERS. DO NOT PRIME SURFACES THAT WILL BE FIELD WELDED, IN CONTACT WITH CONCRETE, OR HIGH STRENGTH BOLTED.

PART 3 - EXECUTION

1. EXAMINATION AND PREPARATION

VERIFY THAT THE FIELD CONDITIONS ARE ACCEPTABLE

2. ERECTION

- A. ALLOW FOR ERECTION LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN FRAMING IN ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRIDGING AND BRACING.
- B. FIELD WELD COMPONENTS INDICATED ON SHOP DRAWINGS.
- C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.
- D. AFTER ERECTION, PRIME WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED OR GALVANIZED EXCEPT SURFACES TO BE IN CONTACT WITH CONCRETE.
3. FIELD QUALITY CONTROL
- FIELD INSPECTION OF MEMBERS, CONNECTIONS, WELDS AND TORQUING.

PART 1 - GENERAL

1. SCOPE

- A. GENERAL WELDING REQUIREMENTS FOR ALL PORTIONS OF THE PROJECT (FIELD & SHOP).
- B. SECTION COVERING PARTS OF THE PROJECT THAT REQUIRE WELDING, WELDING CODES, WELDING DOCUMENTATION, WELDING INSPECTION & NONDESTRUCTIVE TESTING REQUIREMENTS.

2. SUBMITTALS

- A. THE FOLLOWING SPECIFIC INFORMATION SHALL BE PROVIDED BY THE CONTRACTOR

1. WELDING PROCEDURE: CONTRACTOR SHALL SUBMIT ALL SHOP AND FIELD WELDING PROCEDURE SPECIFICATIONS AND SUPPORTING WELDING PROCEDURE QUALIFICATION RECORDS FOR REVIEW PRIOR TO ANY WELDING. WELDING DOCUMENTATION SHALL BE SUBMITTED ON APPROPRIATE FORMS FOUND IN THE APPENDIXES TO THE REFERENCED WELDING CODES.

2. WELDER/WELDING OPERATOR QUALIFICATIONS: THE CONTRACTOR SHALL SUBMIT ALL SHOP AND FIELD WELDER OR WELDING OPERATOR PERFORMANCE QUALIFICATION RECORDS PRIOR TO ANY WELDING. WELDING DOCUMENTATION SHALL BE SUBMITTED ON APPROPRIATE FORMS FOUND IN THE APPENDIXES OF REFERENCED WELDING CODES.

3. WELDING INSPECTOR CREDENTIALS: IF SPECIFIED TO PROVIDE ON SITE WELDING INSPECTION, THE CONTRACTOR SHALL SUBMIT THE CREDENTIALS OF THE WELDING INSPECTOR TO BE EMPLOYED BY THE CONTRACTOR FOR REVIEW BY THE CONSTRUCTION MANAGER PRIOR TO STARTING ANY WELDING. THE CREDENTIALS SHALL INCLUDE, BUT NOT BE LIMITED TO, AMERICAN WELDING SOCIETY QCC CERTIFICATION. THE WELDING INSPECTOR SHALL HAVE PRIOR INSPECTION EXPERIENCE WITH ALL APPLICABLE WELDING CODES. THE WELDING INSPECTOR SHALL BE PRESENT WHENEVER ANY SHOP OR FIELD WELDING IS PERFORMED. THE DUTIES OF THE WELDING INSPECTOR SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

- a. VERIFYING JOB MATERIAL AND STORAGE
- b. MONITOR CONFORMANCE WITH APPROVED WELDING PROCEDURE SPECIFICATIONS
- c. CHECK WELDING AND WELDING OPERATOR QUALIFICATION
- d. SUPERVISE NONDESTRUCTIVE TESTING PERSONNEL AND EVALUATION OF TEST RESULTS
- e. MAINTAIN RECORDS AND PREPARE REPORTS

4. TESTING AGENCY CREDENTIALS: THE CONTRACTOR SHALL RETAIN A QUALIFIED TESTING AGENCY EMPLOYING PERSONNEL EXPERIENCED IN NONDESTRUCTIVE TESTING. THE TESTING AGENCY SHALL PERFORM RADIOGRAPHY, ULTRASONIC, MAGNETIC PARTICLE, LIQUID PENETRANT, AND OTHER TESTING METHODS AS SPECIFIED. PERSONNEL EMPLOYED BY THE TESTING AGENCY SHALL BE CERTIFIED IN ACCORDANCE WITH THE CURRENT AMERICAN SOCIETY OF NON DESTRUCTIVE TESTING (4153 ARLINGATE PLAZA, COLUMBUS, OH 43226) RECOMMENDED PRACTICE NO. SNT-TC-1A AND ALL SUPPLEMENTS, NOT LEVEL II. THE CONTRACTOR SHALL SUBMIT THE CREDENTIALS OF THE TESTING AGENCY AND PERSONNEL FOR REVIEW BY THE CONSTRUCTION MANAGER PRIOR TO ANY WELDING.

5. NONDESTRUCTIVE TESTING PROCEDURE SPECIFICATIONS: THE CONTRACTOR SHALL SUBMIT ALL NONDESTRUCTIVE TESTING PROCEDURE SPECIFICATIONS FOR REVIEW BY THE CONSTRUCTION MANAGER PRIOR TO ANY WELDING.

PART 2 - EXECUTION

1. GENERAL

- A. ALL WELDING AND FABRICATION BY WELDING SHALL CONFORM TO GOVERNING WELDING CODES.

2. NONDESTRUCTIVE WELD TESTING REQUIREMENTS

A. ALL WELDS

1. PERFORM NONDESTRUCTIVE TESTING OF WELDS AS FOLLOWS:

- a. 10 PERCENT OF THE BUTT JOINT WELDS SHALL BE RANDOMLY RADIOGRAPHICALLY TESTED AND REPAIRED IN ACCORDANCE WITH THE REFERENCED WELDING CODES. SELECTION OF THE WELDS TO BE TESTED SHALL BE AS AGREED UPON BETWEEN THE CONSTRUCTION MANAGER AND THE CONTRACTOR.

- b. GROOVE WELDS SHALL BE 100 PERCENT ULTRASONICALLY TESTED AND REPAIRED IN ACCORDANCE WITH THE REFERENCED WELDING CODES. SELECTION OF THE WELDS TO BE TESTED SHALL BE AS AGREED UPON BETWEEN THE CONSTRUCTION MANAGER AND THE CONTRACTOR.

- c. FILLET WELDS, SHALL BE 10 PERCENT RANDOMLY EXAMINED USING EITHER DYE PENETRANT OR MAGNETIC PARTICLE INSPECTION METHODS.

- d. ALL WELDS SHALL BE VISUALLY INSPECTED IN ACCORDANCE WITH ANSI/AWS D1.1-92, PARAGRAPH 8.15.1.

2. UNLESS OTHERWISE SPECIFIED, ALL NONDESTRUCTIVE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 6 OF ANSI/AWS D1.1-92 AND THE FOLLOWING. THE STANDARDS FOR RADIOGRAPHIC ACCEPTANCE SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1, PARAGRAPH 8.15.3. THE STANDARDS FOR ULTRASONIC ACCEPTANCE SHALL BE CLASS B INDICATIONS IN ACCORDANCE WITH ANSI/AWS D1.1, PARAGRAPH 8.15.4. THE STANDARDS OF ACCEPTANCE FOR BOTH DYE PENETRANT AND MAGNETIC PARTICLE INSPECTION METHODS SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1-92, VISUAL INSPECTION, PARAGRAPH 8.15.5.

3. WELD DEFECTS REPAIR

- A. REJECTED WELDS SHALL BE REPAIRED AND RETESTED UNTIL SOUND WELD METAL HAS BEEN DEPOSITED IN ACCORDANCE WITH APPROPRIATE WELDING CODES. THE CONTRACTOR SHALL BEAR ALL COSTS FOR WELD REPAIR AND SUBSEQUENT RETESTING.

TELCO SERVICE

1. APPLICATION FOR TELEPHONE SERVICE WILL BE MADE BY THE SDM. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MATERIALS AND ASSOCIATED LABOR FOR CONNECTION FROM THE TELCO SOURCE TO THE SHELTER AS PER THE CONSTRUCTION PLANS.
2. PROVIDE A 2 INCH DIAMETER SCHEDULE 40 PVC PIPE FROM THE EQUIPMENT SPACE TELCO ENTRY TO A LOCATION INDICATED ON THE CONSTRUCTION PLANS. PLUG OR CAP EACH END OF THE PIPE AND PROVIDE TWO SEPARATE PULL STRINGS, SECURELY FASTENED AT EACH END OF THE PIPE. PULL STRINGS SHALL BE 200 LB TEST POLYETHYLENE CORD.
3. PROVIDE TWO (2) POTS LINES, LOCATION AS DIRECTED BY NEXTEL. SDM WILL INDICATE TELEPHONE SERVICES AND COORDINATE INSTALLATION OR TWO (2) POTS LINES TO TELCO BOARD.

SPECIAL CONSTRUCTIONS

1. SECTION INCLUDES

- A. CABLE LADDER AND ACCESSORIES REQUIRED TO COMPLETE INSTALLATION.

2. UNIT PRICES

- A. CONTRACTOR SHALL PROVIDE A PRICE FOR ADDITIONAL CABLE LADDER ON A "PER LINEAR FOOT" BASIS IN HIS BID PROPOSAL.

3. SYSTEM DESCRIPTION

- A. ALL CABLE LADDERS AND PORTIONS OF THEIR ASSEMBLIES SHALL BE CONSTRUCTED OF ROLL FORMED STEEL TO SUPPORT A CONCENTRATED LOAD OF 200 LBS WITH NO PERMANENT DEFORMATION.

4. SUBMITTALS

- A. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EACH COMPONENT OF THE ASSEMBLY TO THE NEXTEL PROJECT MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OF CABLE LADDER ASSEMBLY.

5. DELIVERY, STORAGE AND HANDLING

- A. TRANSPORT, HANDLE AND STORE ON-SITE ALL MATERIALS USED IN CONSTRUCTING CABLE LADDER ASSEMBLY IN SUCH A MANNER AS TO PROTECT THE MATERIAL AND THE ORIGINAL FINISHES FROM DAMAGE. NO DAMAGED MATERIAL WILL BE ACCEPTED.

6. MANUFACTURERS

- A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS PROVIDE PRODUCTS BY ONE OF THE FOLLOWING MANUFACTURERS:

1. CENTRAL STEEL FABRICATORS, INC. (708) 236-8725
2. NEWTON INSTRUMENTS (919) 575-0426
3. SAUNDERS BROS. (310) 945-1038
4. OWNER APPROVED EQUAL

7. MATERIALS

- A. CABLE LADDERS: (SPECIFIED BY NEXTEL) INSTALL 12" WIDE CABLE LADDERS AS INDICATED ON THE TOWER DRAWINGS.

1. CONSTRUCTION: TUBULAR SIDE BAR 1-1/2" HIGH X 3/8" WIDE WITH CHANNEL TYPE RUNGS - 9" O.C.
2. FINISH: TELEPHONE EQUIPMENT GRAY.

B. THREADED ROD:

1. CONSTRUCTION: 5/8"- 11 STEEL THREADED RODS LENGTH TO FIT APPLICATION
2. FINISH: ZINC PLATED.

C. WALL INSULATORS:

1. UL 94 V-1, 1-1/2" X 3/8" THICK

D. THREADED ROD INSULATORS:

1. MOLDED POLYESTER - FIBERGLASS INSULATOR
2. COLOR: RED

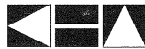
- E. ACCESSORIES: INSTALL ALL ACCESSORIES AND PARTS REQUIRED FOR A COMPLETE INSTALLATION. PARTS INCLUDE END SUPPORTS, EXTENSION CLAMPS, WALL CLAMPS, JUNCTION KITS, HANGER KITS, ROD CAPS, TERMINATION BARS, NUTS, LOCK WASHERS, FLAT WASHERS, FRAMING CLIP, J-BOLTS, CORNER BRACKETS.
1. FINISH: ZINC PLATED

8. INSTALLATION

- A. VERIFY THAT BUILDING FRAMING COMPONENTS ARE READY TO RECEIVE WORK.
- B. ALL INSTALLATIONS SHALL BE PER MANUFACTURERS RECOMMENDATIONS.
- C. INSTALL THREADED ROD SUPPORT AT NO MORE THAN 5'-0" O.C. SECURELY INTO CEILING STRUCTURE.
- D. INSTALL THREADED ROD INSULATORS
- E. ALIGN THREADED ROD IN STRAIGHT ROWS.
- F. INSTALL CABLE TRAY USING 'C' CLAMPS AT A CONSISTENT HEIGHT AS SPECIFIED IN THE DRAWINGS.
- G. LEVEL ALL CABLE LADDER TO THE HEIGHT SPECIFIED ON THE DRAWINGS.
- H. RESEAL ANY DAMAGED FINISHES AND PAINT TO MATCH EXISTING CONDITIONS.

NEXTEL
COMMUNICATIONS

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PHONE: (561) 845 0065

REGISTRATION NUMBERS

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DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

SEAL MAY 3 0 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER	DATE: _____
NEXTEL REF:	DATE: _____
PROPERTY OWNER	DATE: _____

ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

G-3

SHEET TITLE

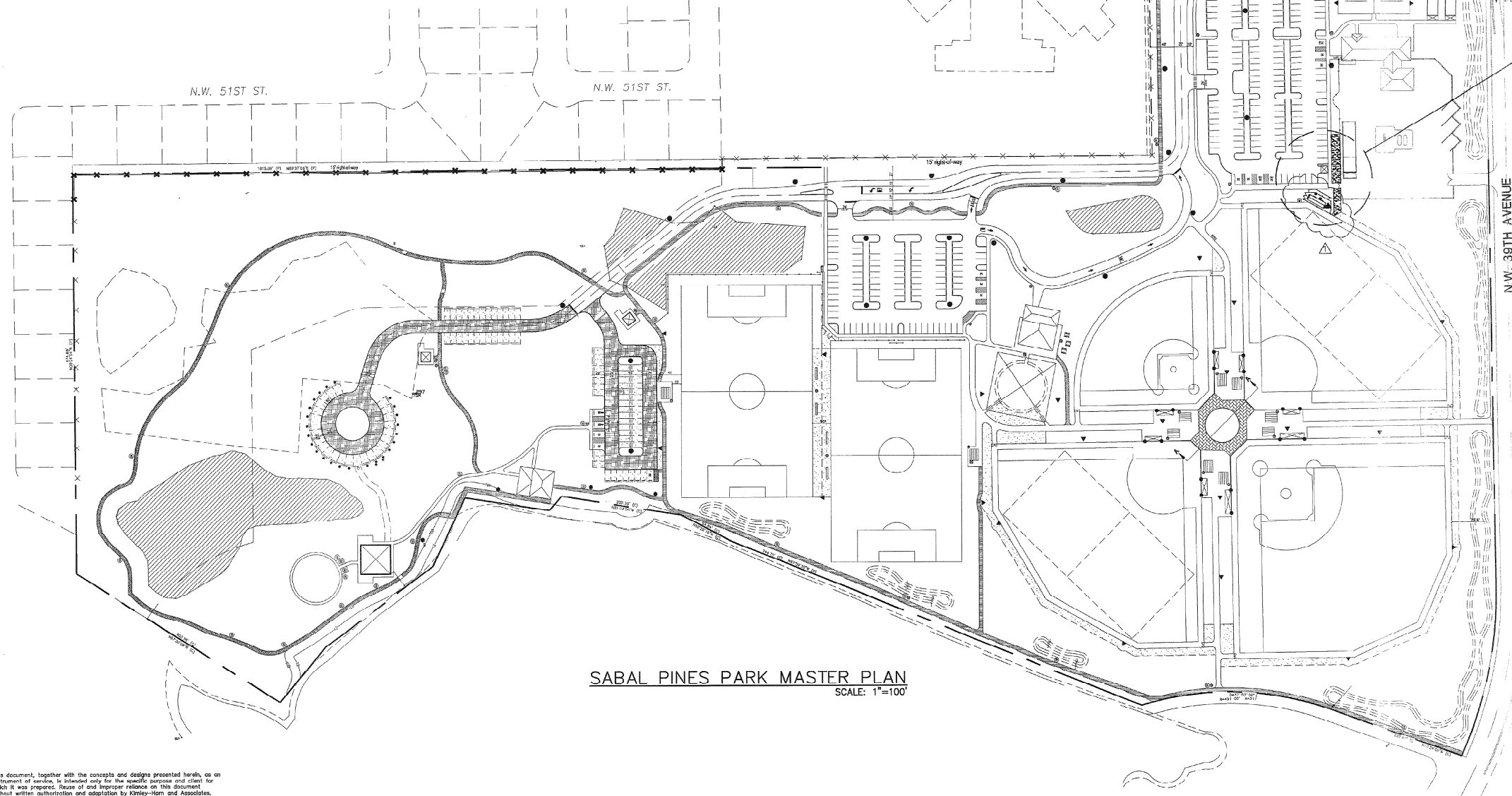
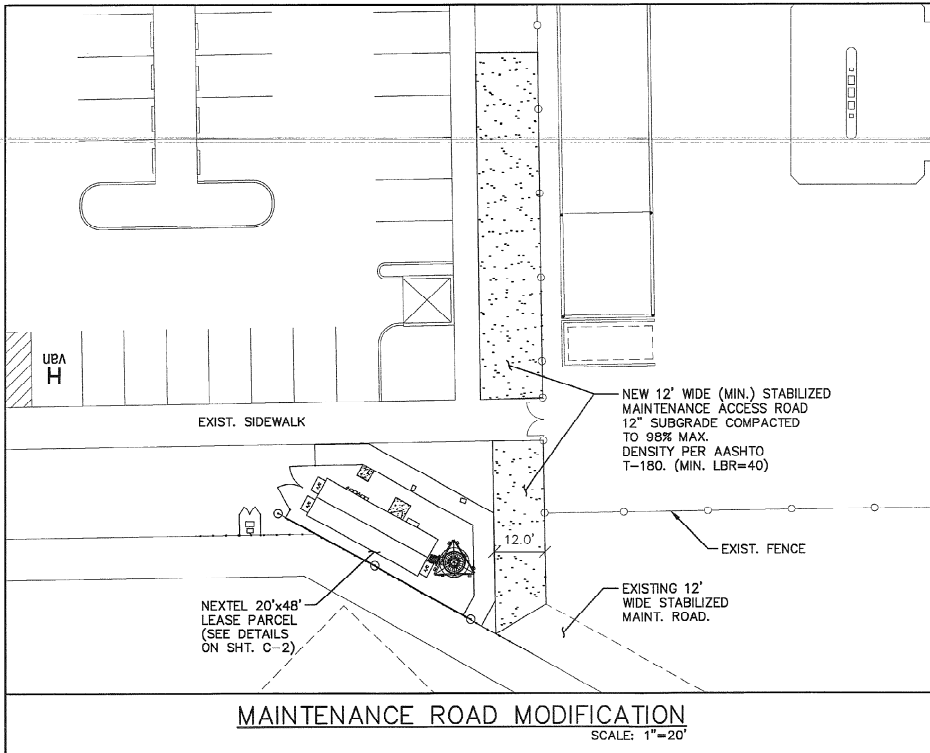
GENERAL NOTES #3

SHEET NUMBER

5

OF

17



NEXTEL COMMUNICATIONS

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DAVID R. BARDT	PE 33614
RUSSELL MORRISON	PE 51567

[Signature]
SEAL

REVISIONS

NO.	DATE	DESCRIPTION
1	5-31-01	LEASE PARCEL CHANGE

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RF: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

C-1

SHEET TITLE

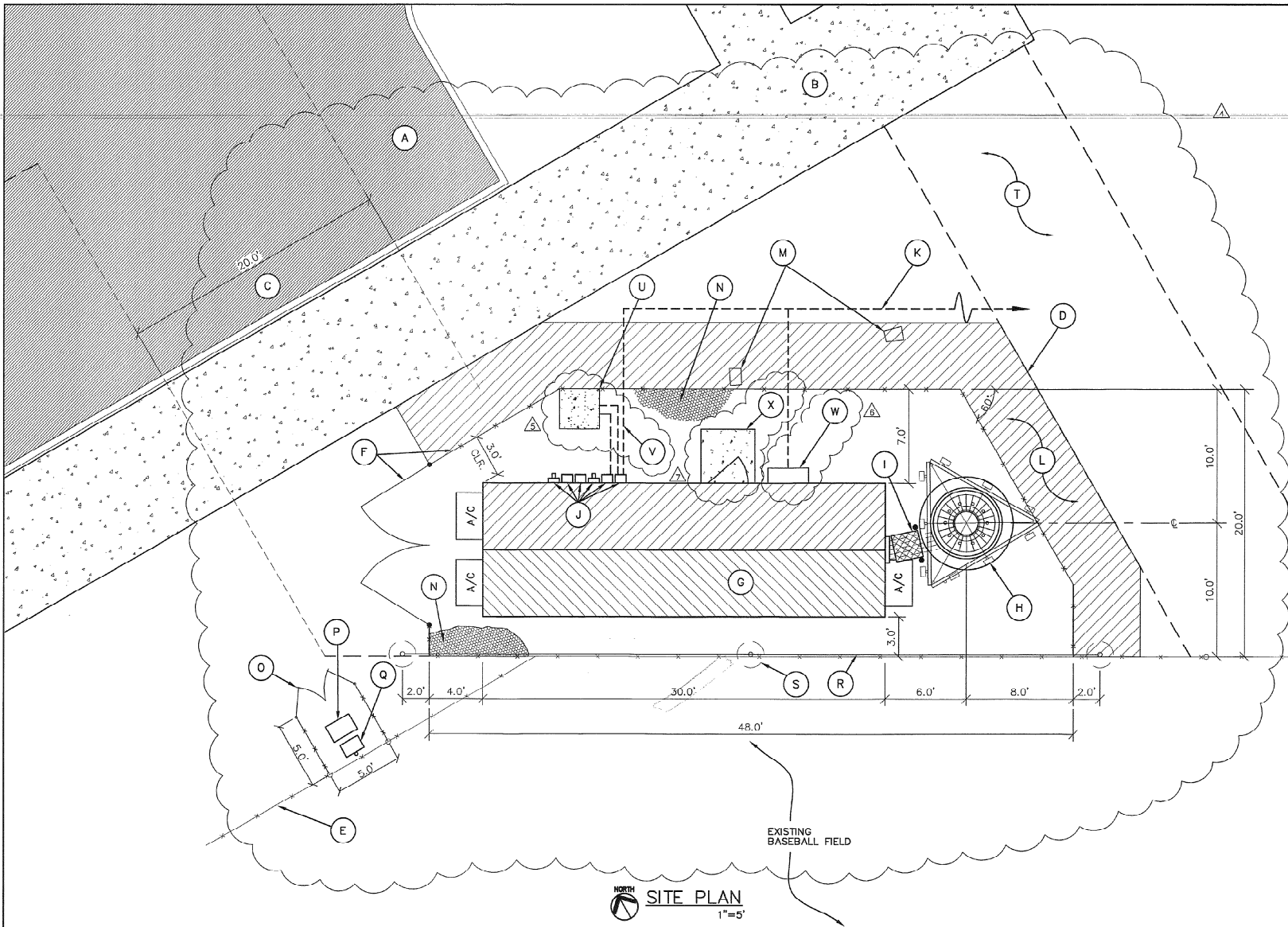
SABAL PINES PARK
MASTER PLAN

SHEET NUMBER

6

OF

17



LEGEND

- FINISH GRADE DESIGNATION**
- EXISTING ADJACENT PARKING LOT.**
- EXISTING SIDEWALK**
- PROPOSED 20' WIDE ACCESS EASEMENT THRU ADJACENT PARKING LOT TO NW 39TH AVENUE. (SEE SURVEY)**
- LIMITS OF NEXTEL LEASE PARCEL. SEE SURVEY FOR LOCATION.**
- EXISTING BALL PARK 8.0' TALL CHAIN LINK FENCE TO REMAIN.**
- PROPOSED 8.0' TALL CHAIN LINK FENCE & 12.0' WIDE SERVICE GATE (SHOWN BOLD). TIE INTO EXISTING BALL PARK FENCE OF PARCEL MATCH EXISTING. (SEE DETAIL ON SHT. C-3)**
- PROPOSED 10'x30' NEXTEL EQUIPMENT SHELTER BY ANDREW CORPORATION. MODEL: RCS 1030-1SF-95R. SHELTER EXTERIOR FINISH TO MATCH EXISTING PARK BUILDINGS. (SEE SHT. S-1 FOR FOR CONC. FOUNDATION)**
- PROPOSED 125' TALL MULTI-CARRIER MONOPOLE BY OTHERS. (SEE MONOPOLE ELEVATION ON SHT. C-4)**
- PROPOSED NEXTEL CABLE WAVEGUIDE BRIDGE. (SEE SHT. C-2 FOR DETAIL)**
- PROPOSED LOCATION FOR DISCONNECTS, TRANSFER SWITCH AND GENPLUGS. (SEE ELECTRICAL SHEETS)**
- PROPOSED JOINT SERVICE TRENCH (SEE ROUTING PLAN THIS SHT.) (SEE TRENCH DETAIL ON SHT. C-2)**
- PROPOSED 5.0' WIDE LANDSCAPE BUFFER AROUND PERIMETER OF COMPOUND. (SEE LA-1 FOR DETAIL)**
- EXISTING SPRINKLER BOXES TO REMAIN.**
- 0.5' LAYER OF #57 STONE GRAVEL TO BE INSTALLED OVER SUB GRADE FILL. (TYP)**
- PROPOSED 5'x5' FENCED IN AREA W/ LATCH & LOCKING DEVICE.**
- NEW LOCATION FOR PULL BOX RELOCATED LIGHTING FIXTURE. (SEE SHT. E-1 FOR DETAIL)**
- NEW LOCATION FOR BALLAST BOX FOR RELOCATED LIGHTING FIXTURE. (SEE SHT. E-1 FOR DETAIL)**
- 20' TALL BALL PARK NETTING. SEE DETAIL ON SHT. C-3**
- BALLPARK NETTING POST. 2"Ø CONC. FOOTING SHOWN DASHED (TYP. OF 3)**
- SEE SHT. C-1 FOR STABILIZED MAINTENANCE**
- PROPOSED 3'x3'x4" THK. CONC. SLAB FOR NEW PAD MOUNTED TRANSFORMER. PROVIDE 6x6-W5.5xW5.5 WELDED WIRE FABRIC, AND MAKE T.O.C. SLAB 2" ABOVE FINISH GRADE.**
- ACCESS ROAD MODIFICATION. ELECTRIC SERVICE TO/FROM TRANSFORMER**
- PROPOSED NEMA RATED TELCO SVC. JUNCTION BOX LOCATION.**
- 4'x4'x4" CONC. STOOP. (SEE DETAIL ON SHT. S-1)**

CONSTRUCTION NOTES

NEW COMMUNICATIONS ANTENNAS (TOTAL OF 9)

NEW 125' MONOPOLE (BY OTHERS) W/ NEW COMMUNICATIONS ANTENNA (BY OTHERS)
NEW 10'x30' PRE-ENGINEERED EQUIPMENT SHELTER ON CONC. FOUNDATION

GENERAL NOTES

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE STANDARDS OF THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AND MEET INDUSTRY STANDARDS FOR GOOD WORKMANSHIP.

NOTIFY THE PROPERTY OWNER, NEXTEL PROJECT MANAGER AND THE ARCHITECT/ENGINEER OF RECORD WELL IN ADVANCE AS TO WHEN CONSTRUCTION WILL COMMENCE.

COORDINATE THE LOCATION OF THE CONSTRUCTION STAGING AREA WITH THE PROPERTY OWNER BUILDING MANAGER AND THE ARCHITECT/ENGINEER OF RECORD WELL IN ADVANCE OF THE CONSTRUCTION START DATE.

PROTECT THE EXISTING FACILITIES AT ALL TIME. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS.

CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BY CALLING 1-800-432-4770 SUNSHINE STATE AT LEAST 48 HOURS PRIOR TO COMMENCING WITH THE WORK.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND PLAN DIMENSIONS AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

ROUTE BURIED ELECTRICAL SERVICE CONDUIT TO EXISTING FPL PAD MOUNTED TRANSFORMER ON SOUTH SIDE OF PARK MAINTENANCE BUILDING LOCATED APPROX. 530.00' FROM COMPOUND. (SEE ELECTRICAL SHEETS FOR DETAIL)

EXIST 6' TALL C.B.S. WALL

ROUTE (2) 2" TELCO SERVICE CONDUITS TO EXISTING 12' WIDE UTILITY EASEMENT LOCATED ON WEST SIDE OF 59th AVE. (SEE SURVEY)
APPROXIMATE RUN: 260'±

EXISTING SPRINKLER BOXES TO REMAIN

UTILITY JOINT SERVICE TRENCH. SEE SHT. C-2

EXIST. ELECTRICAL PULL BOX & UNDERGROUND ELECTRICAL LINE SERVICING CONC. LIGHT POLE TO BE RELOCATED PER SITE PLAN THIS SHEET.

EXIST. CONC. LIGHT POLE TO BE REMOVED & RELOCATED PER OWNER. RELOCATE LIGHTING FIXTURE TO PROPOSED MONOPOLE PER SHT. C-4
RELOCATE BALLAST BOX PER SITE PLAN



DEMOLITION & UTILITY TRENCH ROUTE PLAN

N.T.S.

SEE SURVEY

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
1-800-432-4770



SUNSHINE STATE ONE CALL OF FLORIDA, INC.

THE EQUIPMENT LOCATIONS SHOWN SHALL NOT VARY WITHOUT THE REVIEW/APPROVAL OF THE ARCHITECT/ENGINEER OF RECORD.

MAINTAIN A MINIMUM OF 3' WORKING CLEARANCE IN FRONT OF ALL ELECTRICAL EQUIPMENT:

0.5' LAYER OF #57 STONE GRAVEL TO BE INSTALLED OVER SUB GRADE FILL

RESOD AND REPAIR ALL DISTURBED AREAS FROM CONSTRUCTION

NOTE: CONTRACTOR WILL PROVIDE SUFFICIENT SUBGRADE FILL MATERIAL COMPACTED TO MIN. OF 98% A ASHTO T-180 TO BRING FINISHED COMPOUND TO DESIG ELEVATIONS.

NOTES

THIS IS AN UNMANNED RESTRICTED SITE AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.

NEXTEL COMMUNICATIONS CERTIFIES THAT THIS FACILITY WILL BE SERVICED ONLY BY NEXTEL EMPLOYEES AND THE WORK ASSOCIATED WITH ANY EQUIPMENT CANNOT BE PERFORMED BY HANDICAPPED PERSONS. THIS FACILITY WILL BE FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES. PURSUANT TO CHAPTER #553, PART 5A OF THE FLORIDA STATUTES, THIS FACILITY IS EXEMPT FROM THE REQUIREMENTS OF THAT STATUTE. PURSUANT TO THE AMERICANS WITH DISABILITIES ACT (ADA), APPENDIX B, SECTION 4.1.1.(5XB), THIS FACILITY IS EXEMPT FROM THAT ACT.

THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY AND IS EXEMPT. FROM THE FLORIDA ENERGY REVIEW CODE.

NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.

NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.

NO PARKING FACILITIES WILL BE PROVIDED WITHIN THE LEASE SITE.

NEXTEL COMMUNICATIONS

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REGISTRATION NUMBERS

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DAVID STEWART	PE 31180
CHARLES CEER	PE 31435
DAVID R. BARDT	PE 33614
RUSSELL MORRISON	PE 51567

SEAL

REVISIONS

NO.	DATE	DESCRIPTION
1	2-26-01	ELEC. SOURCE REVISION
2	2-26-01	NEW TRANS. CONC. PAD
3	2-26-01	SERVICE TO/FROM NEW TRANSFORMER
4	5-31-01	SHELTER/ LEASE PARCEL SIZE
5	5-31-01	TRANSFORMER
6	5-31-01	TELCO SERVICE
7	5-31-01	CONCRETE PAD

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RF _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: RCM
DATE: MAY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

C-2

SHEET TITLE

NEXTEL SITE PLAN

SHEET NUMBER

7

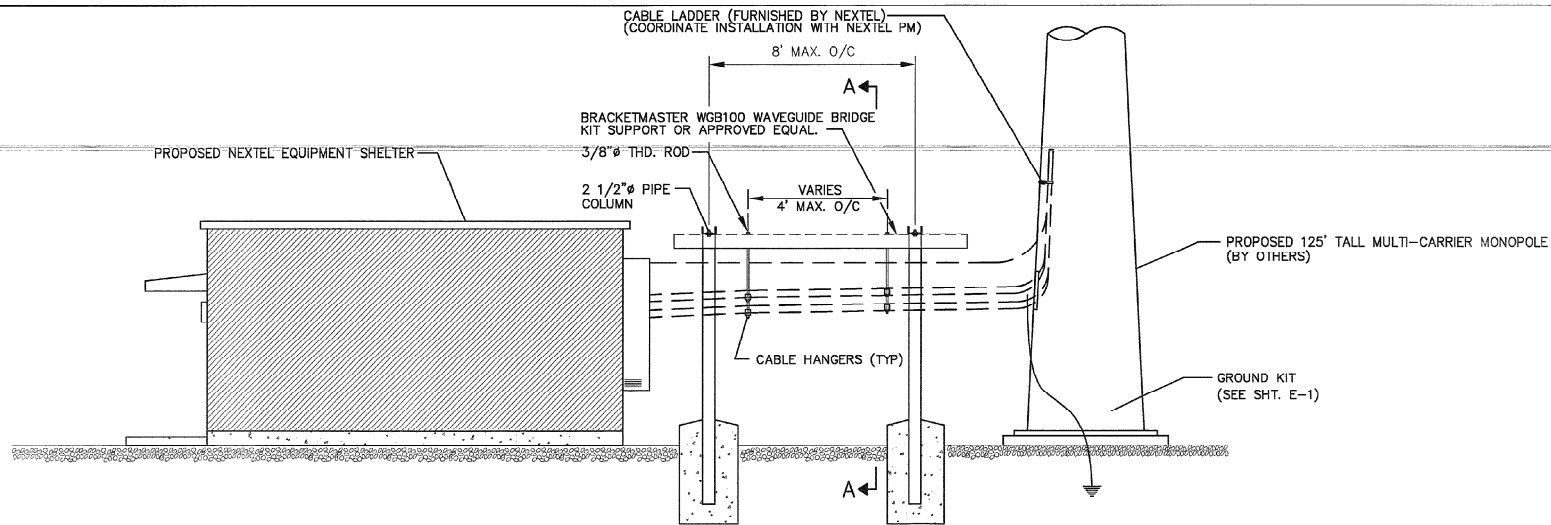
OF

17

044201071
C-2
MAY 2001

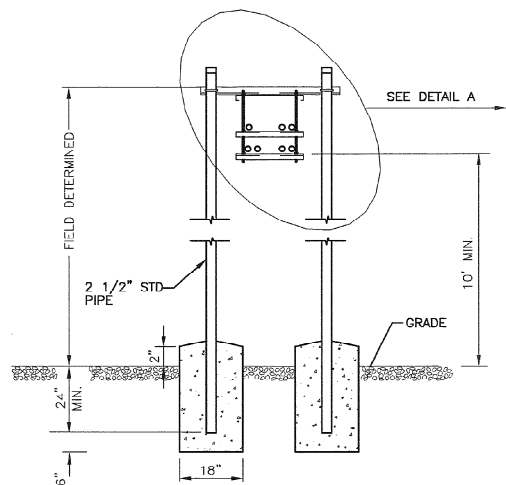
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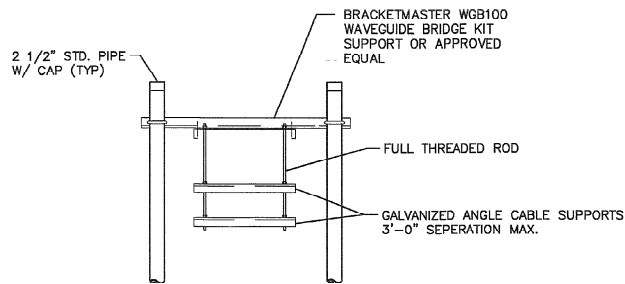
EQUIPMENT & GROUND CABLE SUPPORTS
N.T.S.

NOTE: PROPOSED NEXTEL EQUIPMENT SHELTER:
ANDREW CORPORATION 10'x30' CONCRETE SHELTER
MODEL: RCS-1030-1SF-95R. SHELTER TO MATCH
EXISTING PARK BUILDING'S FINISH AND COLOR.

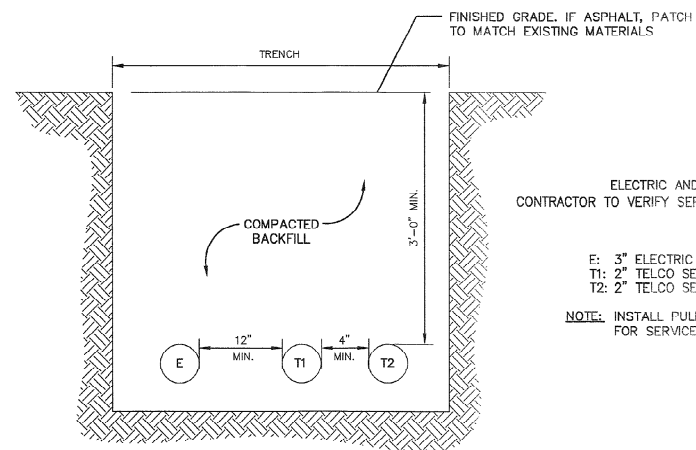


WAVEGUIDE BRIDGE
SECTION A-A
N.T.S.

NOTE: ALL MATERIALS FURNISHED BY
CONTRACTOR UNLESS OTHERWISE NOTED.



DETAIL A

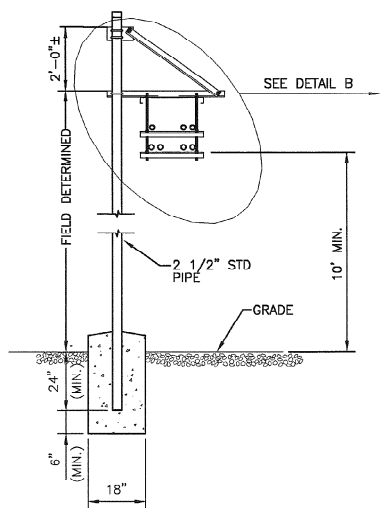


JOINT SERVICE TRENCH
N.T.S.

ELECTRIC AND TELEPHONE SERVICE
CONTRACTOR TO VERIFY SEPERATION DIMENSION WITH LOCAL UTILITY

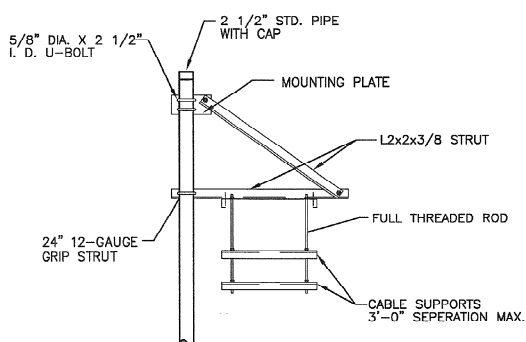
E: 3" ELECTRIC SERVICE CONDUIT
T1: 2" TELCO SERVICE CONDUIT
T2: 2" TELCO SERVICE CONDUIT (SPARE)

NOTE: INSTALL FULL STRING IN EACH CONDUIT
FOR SERVICE CABLE INSTALLATION.



ALTERNATIVE DESIGN WITH 1 PIPE COLUMN
WAVEGUIDE BRIDGE
SECTION A-A
N.T.S.

NOTE: ALL MATERIALS FURNISHED BY
CONTRACTOR UNLESS OTHERWISE NOTED.



DETAIL B

NEXTEL
COMMUNICATIONS

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CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

SEAL
MAY 3 0 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RF: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JRS
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

C-3

SHEET TITLE

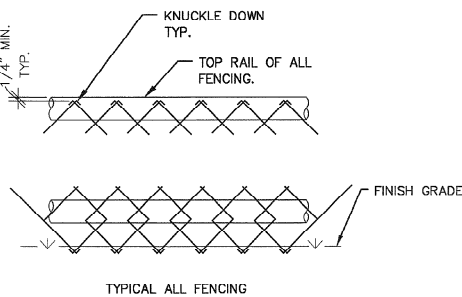
DETAILS

SHEET NUMBER

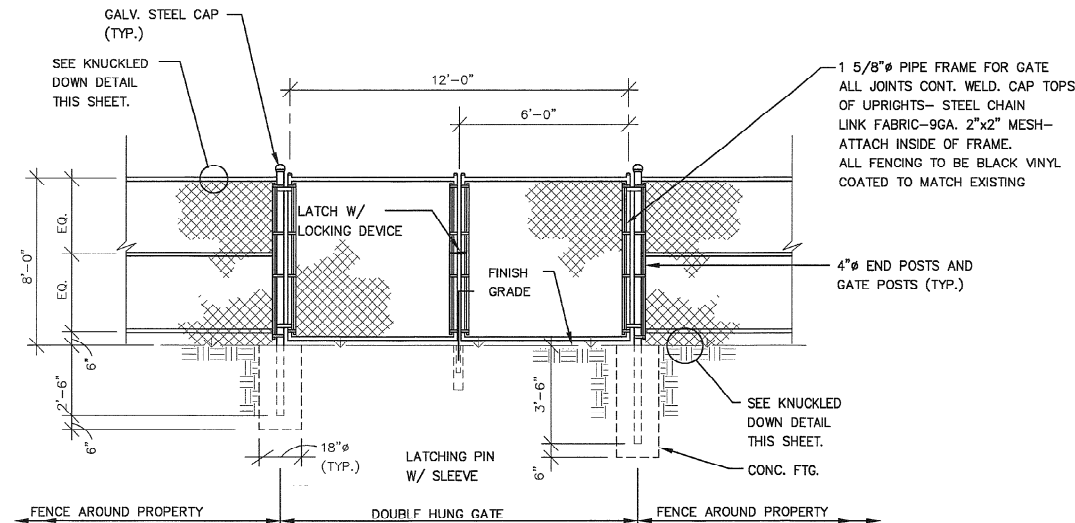
8

OF

17



KNUCKLED DOWN DETAIL
NTS



12' GATE ELEVATION
NTS

FENCING NOTES:

1. ALL CHAIN LINK FENCE WALLS TO BE STRUNG THROUGH STRETCHER BARS AND ATTACHED TO END POST WITH CLIP.
2. ALL CHAIN LINK FENCE ALONG PIPE FRAME TO BE WIRE TIED. BLACK VINYL COATED TO MATCH EXISTING FENCE.
3. ALL WELD POINTS SHALL BE CLEANED AND PAINTED WITH POWDERED ZINC PRIMER.
4. ALL STEEL PIPE TO BE A.S.A. SCH. 40. BLACK VINYL COATED TO MATCH EXISTING FENCE.
5. GATE SHALL HAVE HEAVY DUTY HINGES AND LOCKING DEVICE.
6. SPLICES SHOULD ONLY OCCUR AT CROSSRAILS.
7. CAP TOPS OF UPRIGHTS SHALL EITHER HAVE A CONTINUOUS WELD OR HAVE "SET SCREWS" SO THEY CAN NOT BE REMOVED.
8. USE ONLY A HEAVY DUTY LATCH ON GATE.
9. CONCRETE FOR FOOTINGS TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
10. FENCING TO HAVE TOP, BOTTOM AND MIDDLE RAILS.

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[Signature]

SEAL MAY 3 0 2001

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL RF: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

C-4

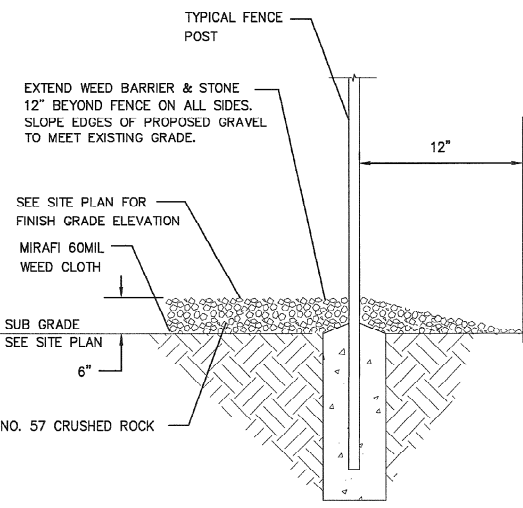
SHEET TITLE
SERVICE GATE
AND FENCE DETAILS

SHEET NUMBER

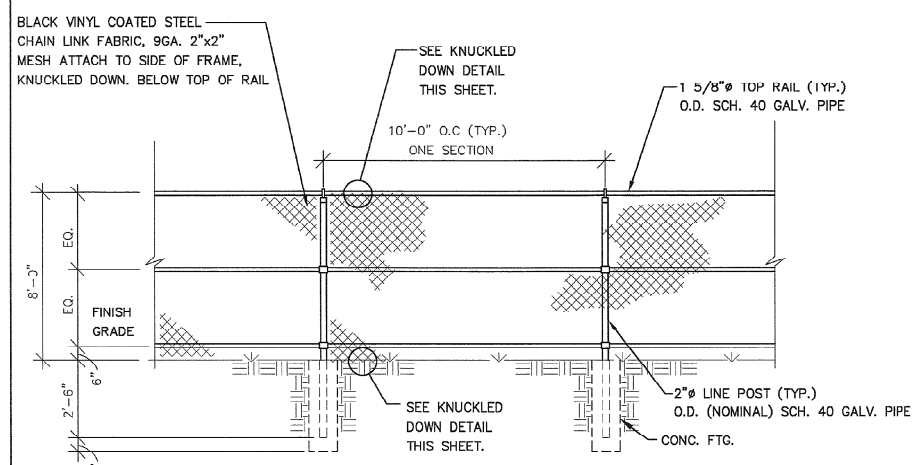
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OF

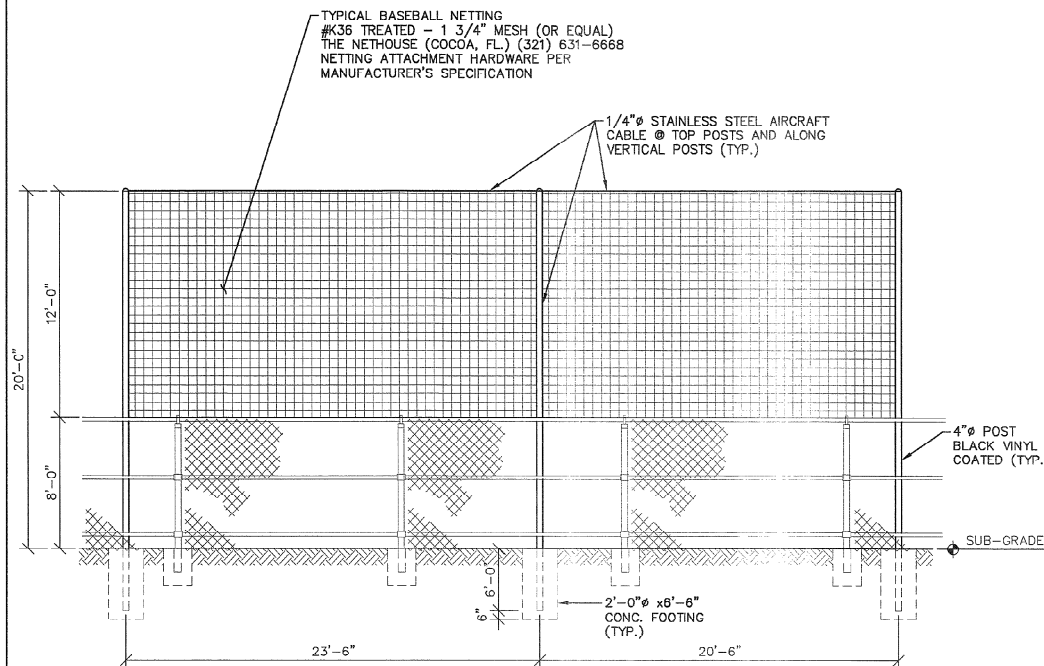
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FENCE POST DETAIL
NTS

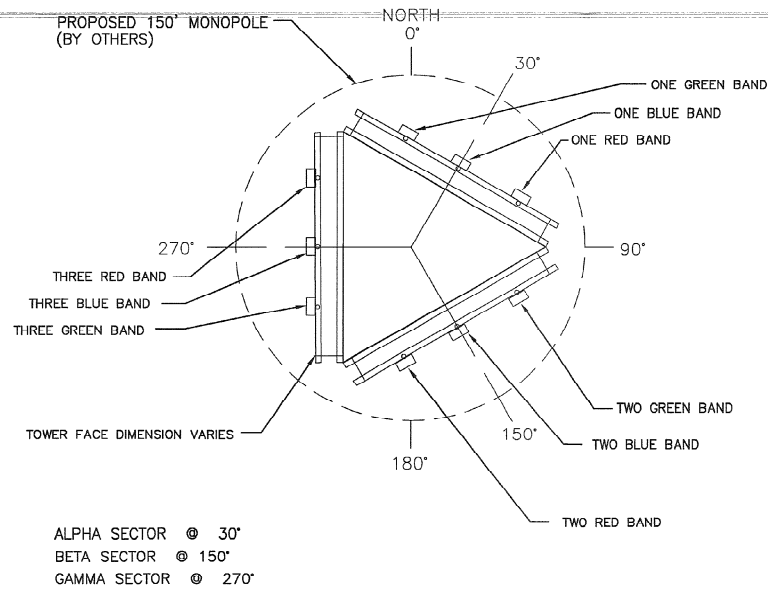


FENCE ELEVATION
NTS

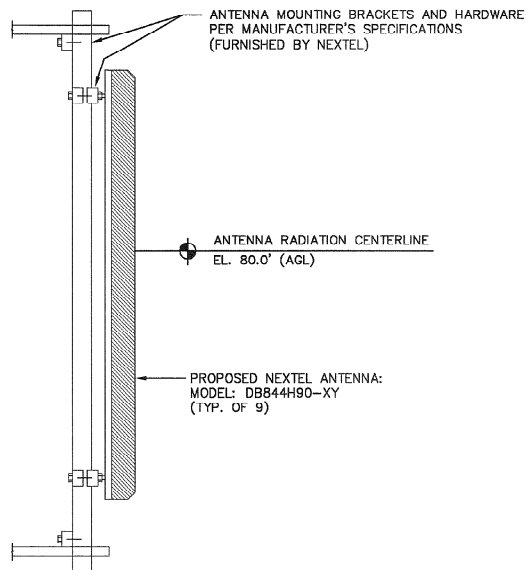


BALL PARK NETTING (NORTH ELEVATION)
NTS

NOTE:
ATTACH BOTTOM OF NETTING TO EXISTING FENCE TOP RAIL.



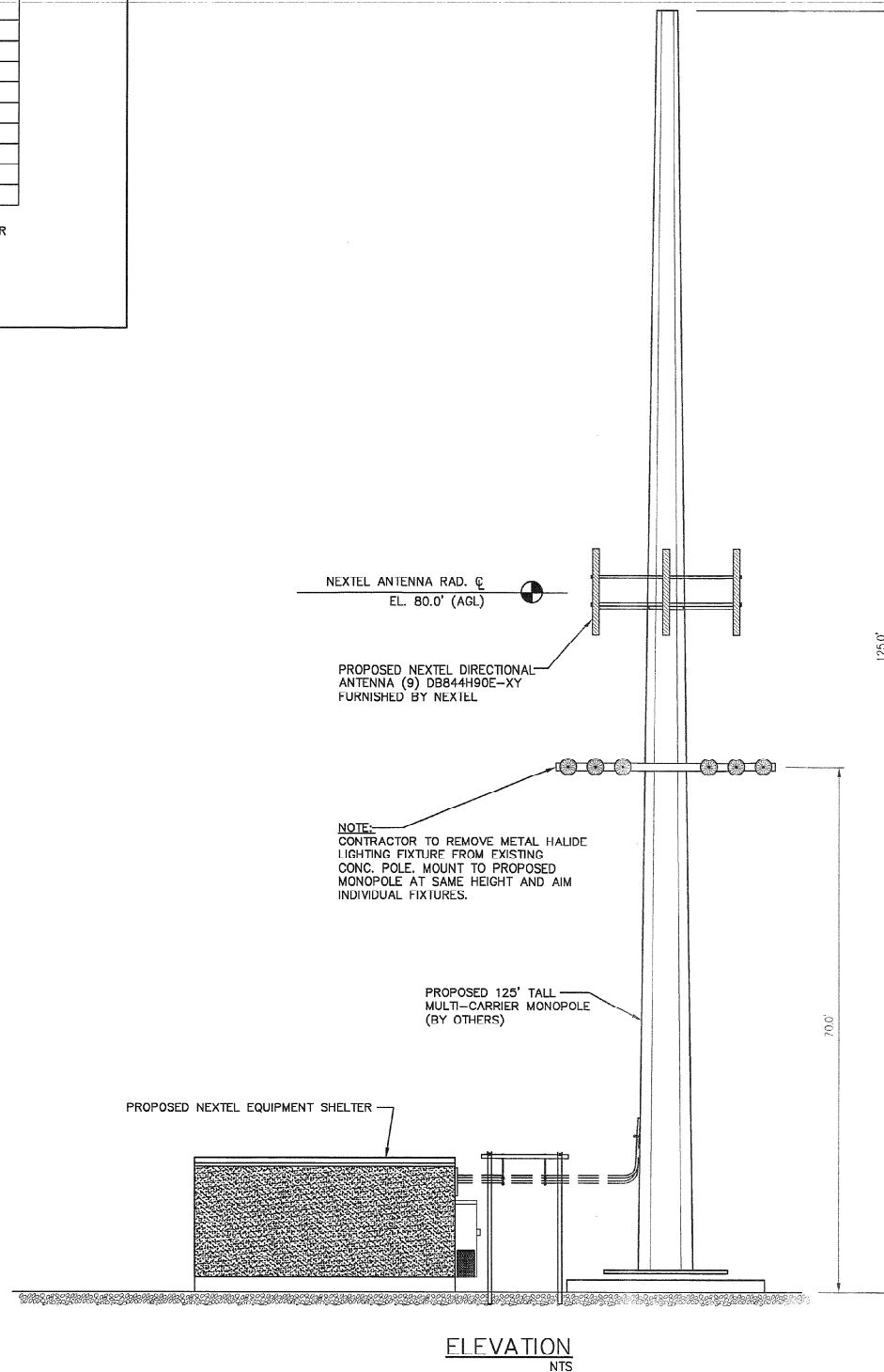
ANTENNA ORIENTATION DIAGRAM
(ORIENTATION DETERMINED BY NEXTEL RF ENGINEERS)



ANTENNA ELEVATION
NO SCALE
(FURNISHED BY NEXTEL)

CABLE RUN TABLE			
ANTENNA	CABLE DIAMETER	LENGTH	
A1	7/8"	100'±	ANDREW CORP.
A2	7/8"	100'±	ANDREW CORP.
A3	7/8"	100'±	ANDREW CORP.
B1	7/8"	100'±	ANDREW CORP.
B2	7/8"	100'±	ANDREW CORP.
B3	7/8"	100'±	ANDREW CORP.
G1	7/8"	100'±	ANDREW CORP.
G2	7/8"	100'±	ANDREW CORP.
G3	7/8"	100'±	ANDREW CORP.

CABLE RUN LENGTH TO BE VERIFIED BY CONTRACTOR PER NEXTEL RF ENGINEERING REQUIREMENTS.



NOTES:

1. TOWER AND ALL PROPOSED EQUIPMENT MOUNTED ON TOWER BASED ON STRUCTURAL ANALYSIS BY OTHERS.
2. ANTENNA HEIGHTS SHOWN ARE BASED ON INFORMATION PROVIDED BY NEXTEL RF PERSONNEL.

NEXTEL
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CHARLES GEER PE 31435
KIRK DROST PE 51910
RUSSELL MORRISON PE 51567

SEAL MAY 3 0 2001

REVISIONS		
NO.	DATE	DESCRIPTION

APPROVALS
PROJECT MANAGER _____ DATE: _____
NEXTEL RF _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JBC
DRAWN BY: AJO
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

C-5

SHEET TITLE

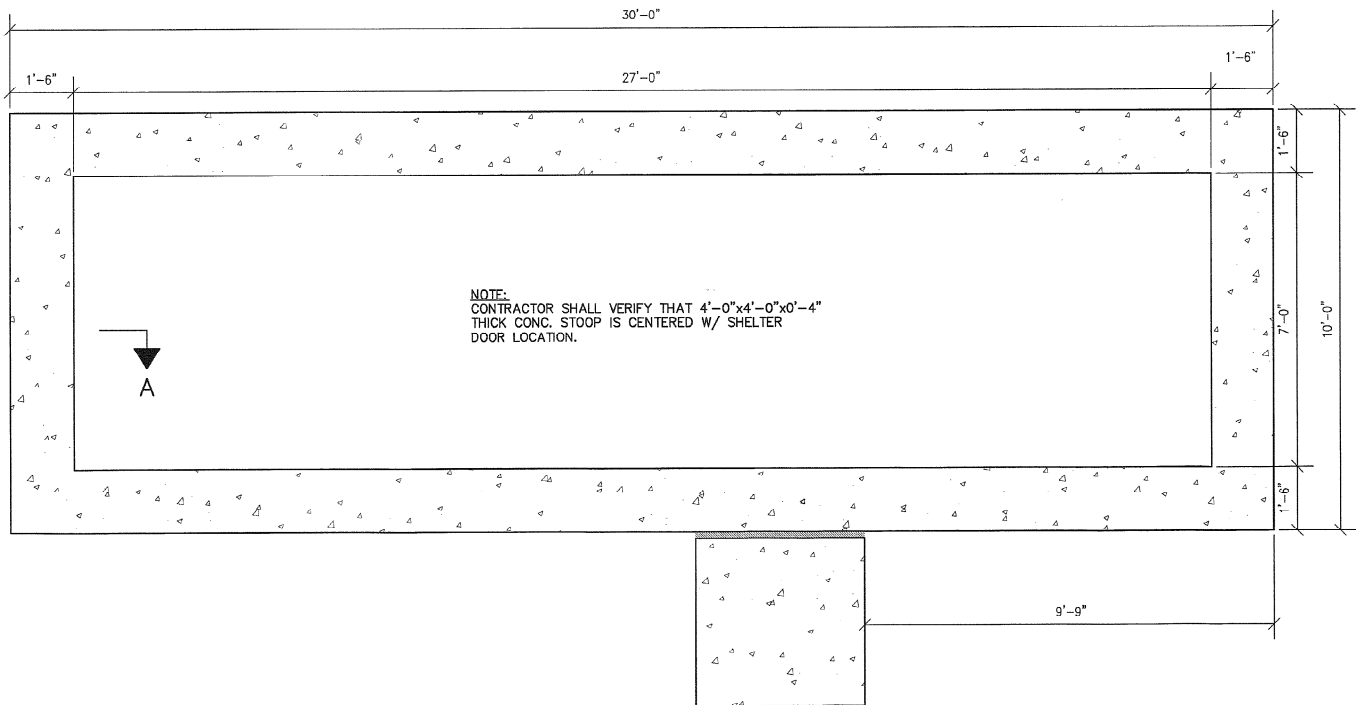
MONOPOLE ELEVATION

SHEET NUMBER

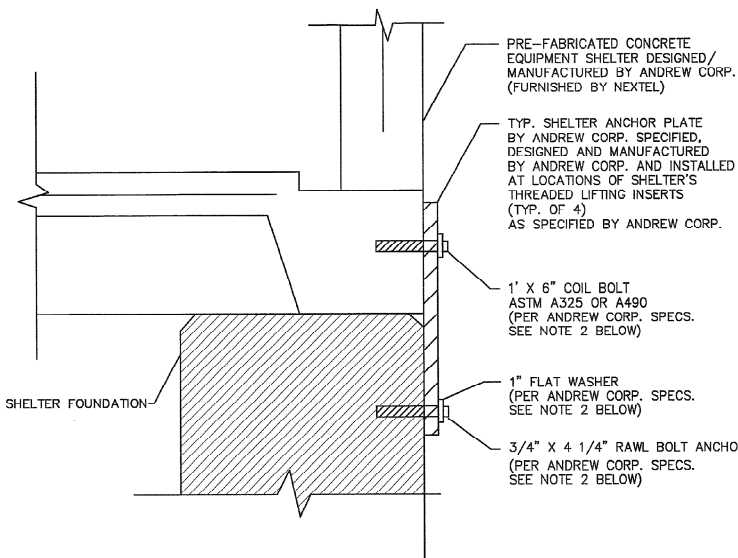
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OF

17

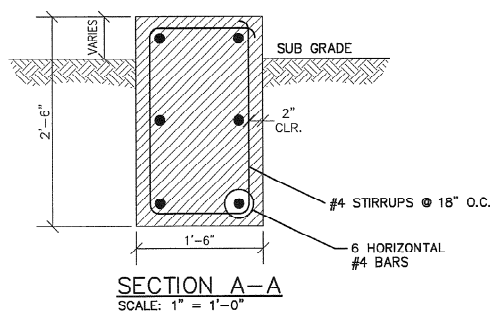
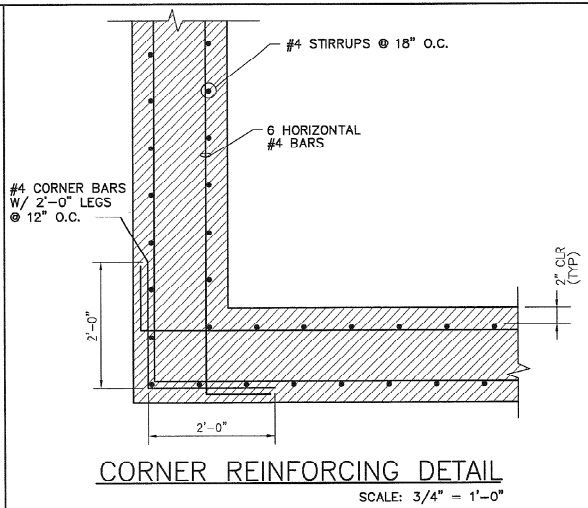


SHELTER FOUNDATION PLAN
SCALE: 1/2"=1'-0"



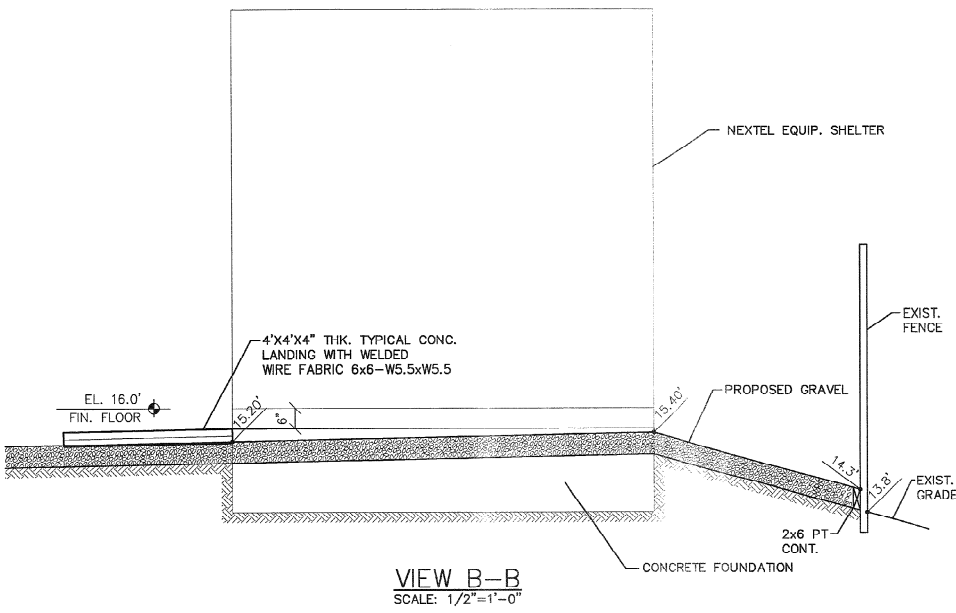
EQUIPMENT SHELTER TIE DOWN DETAIL

- NOTES:
- SHELTER SHOWN FOR DIAGRAMATIC PURPOSES ONLY.
 - SHELTER TIE DOWN PLATE AND HARDWARE SHOWN FOR REFERENCE PURPOSE ONLY. PLATE/HARDWARE SIZING, TYPE AND PLACEMENT LOCATIONS ARE BY THE MANUFACTURER (ANDREW CORP.) PER "TIE DOWN DETAILS FOR SHELTER SYSTEM" DATED 4/18/97. CONTRACTOR WILL VERIFY MOST CURRENT ATTACHMENT REQUIREMENTS WITH MANUFACTURER.
 - SIGNED/SEALED DESIGN DRAWINGS OF SHELTER TIE DOWN BY ANDREW CORP. TO BE SUBMITTED IN CONJUNCTION WITH SHOWN PLAN SHEET FOR REVIEW PERMITTING.



GENERAL STRUCTURAL NOTES:

- DESIGN:
1999 SOUTH FLORIDA BUILDING CODE: BROWARD COUNTY EDITION
FOUNDATION DESIGN IS BASED ON A RATIONAL ANALYSIS ASSUMING A MINIMUM SOIL BEARING CAPACITY OF 1500 PSF.
- STRUCTURAL STEEL:
MATERIAL:
CONFORM TO ASTM A36 GRADE. STD PIPE AND TUBING SHALL CONFORM TO ASTM A501. ALL STD. PIPE SHALL BE SCHEDULE 40 UNLESS OTHERWISE NOTED.
CONNECTIONS:
DESIGN, FABRICATION, AND CONSTRUCTION SHALL CONFORM TO AISC MANUAL OF STEEL CONSTRUCTION.
WELDING:
SHALL BE DONE BY AN AWS CERTIFIED WELDER AND IN COMPLIANCE WITH AWS D1.1. ALL WELD SIZES SHALL BE THE MAXIMUM ALLOWED BY THE MATERIAL BEING WELDED WITH E70XX ELECTRODES.
BOLTS:
A325-X WITH WASHER, SIZE AS SHOWN ON DRAWINGS.
ANCHOR BOLTS:
SHALL CONFORM TO ASTM A307, UNLESS NOTED OTHERWISE.
- HOT DIP GALVANIZE ALL STRUCTURAL STEEL. TOUCH UP ALL FIELD WELDS AND ABRADED AREAS WITH TWO COATS OF GALVANIZED PAINT. REPAIR OF ABRADED OR UNCOATED AREAS SHALL CONFORM TO ASTM A780-93A.
- CONTRACTOR/STEEL FABRICATOR SHALL LOCATE ANY REINFORCEMENT IN THE STRUCTURAL MEMBERS TO VERIFY THAT THEY WILL NOT CONFLICT WITH THE REINFORCEMENT WHEN INSTALLING ANCHORS. THE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURERS INSTRUCTION.
- CONTRACTOR/STEEL FABRICATOR SHALL CONFORM TO THE MINIMUM EDGE DISTANCE REQUIREMENTS IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION.
- ALL STRUCTURAL STEEL SHALL BE FABRICATED TO FIT BOLTED CONNECTIONS WITHIN 1/16 INCH TOLERANCE. STRUCTURAL STEEL SHALL NOT BE FLAME CUT UNDER ANY CIRCUMSTANCES WITHOUT APPROVAL OF THE ENGINEER.
- CONTRACTOR/STEEL FABRICATOR SHALL CAP OR SEAL ALL PIPES AS REQUIRED TO PREVENT RAINWATER INTRUSION.
- CONTRACTOR/STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION. AT THE CONTRACTOR'S OPTION, FIELD SPICES MAY BE USED FOR ERECTION PURPOSES. IF FIELD SPICES ARE USED, THE SHOP DRAWINGS SHALL INCLUDE ALL DETAILS FOR THE PROPOSED FIELD SPICES.
- AT THE CONTRACTOR'S OPTION, SHOP WELDS MAY BE USED INSTEAD OF FIELD WELDS.
- SUBMIT ORIGINAL SHOP DRAWINGS, INCLUDING COMPLETE DETAILS, SCHEDULES OF FABRICATION AND ASSEMBLY, PROCEDURES, AND DIAGRAMS. INCLUDE DETAILS OF CUTS, CONNECTIONS, CAMBER, HOLE, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS A2.1 AND A2.4 SYMBOLS, AND SHOW SIZE, LENGTH, AND TYPE OF WELD. PROVIDE SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED AS WORK OF OTHERS' SECTIONS.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- REINFORCING STEEL: ASTM A615, 60 KSI YIELD GRADE, DEFORMED BILLET BARS, UNPROTECTED FINISH.
- PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 2" UNLESS NOTED OTHERWISE. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH SHALL HAVE A MINIMUM CONCRETE COVER OF 3".
- CONTRACTOR SHALL COORDINATE ALL PENETRATIONS, CONDUIT, CHAMFERS, AND EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT AND/OR STEEL ERECTION. CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS.
- DO NOT IMPOSE SERVICE LOAD (I.E. FLOOR DEAD AND LIVE LOADS, BACKFILL, ETC.) UNTIL THE CONCRETE HAS REACHED ITS SPECIFIED MINIMUM COMPRESSIVE STRENGTH.
- CLASS "B" BACKFILL: SHALL BE CLEAN SAND HILL APPROVED FOR USE BY THE ENGINEER. NO UNAPPROVED MATERIAL WILL BE ALLOWED. CLEAN SAND FILL SHALL BE FREE OF ALL MARL, ROOTS, BOULDERS OR OTHER DELETERIOUS MATERIAL.
- CONTRACTOR SHALL VERIFY THE ABSENCE OF ALL MARL, ROOTS, BOULDERS OR OTHER DELETERIOUS MATERIAL TO A DEPTH BELOW THE FOOTING EQUAL TO TWICE THE FOOTING WIDTH. ANY DELETERIOUS MATERIALS ENCOUNTERED SHALL BE REMOVED AND BACKFILLED WITH CLEAN SAND. THE ENTIRE BUILDING AREA SHALL BE COMPACTED TO 95% AASHTO T-99 TO A DEPTH OF 18 INCHES.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREA TO EQUAL OR BETTER CONDITION.



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CHARLES OER PE 31435
KIRK DROST PE 51910
RUSSELL MORRISON PE 51567

SEAL
MAY 3 0 2001

REVISIONS		
NO.	DATE	DESCRIPTION

APPROVALS
PROJECT MANAGER _____ DATE: _____
NEXTEL, INC. _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

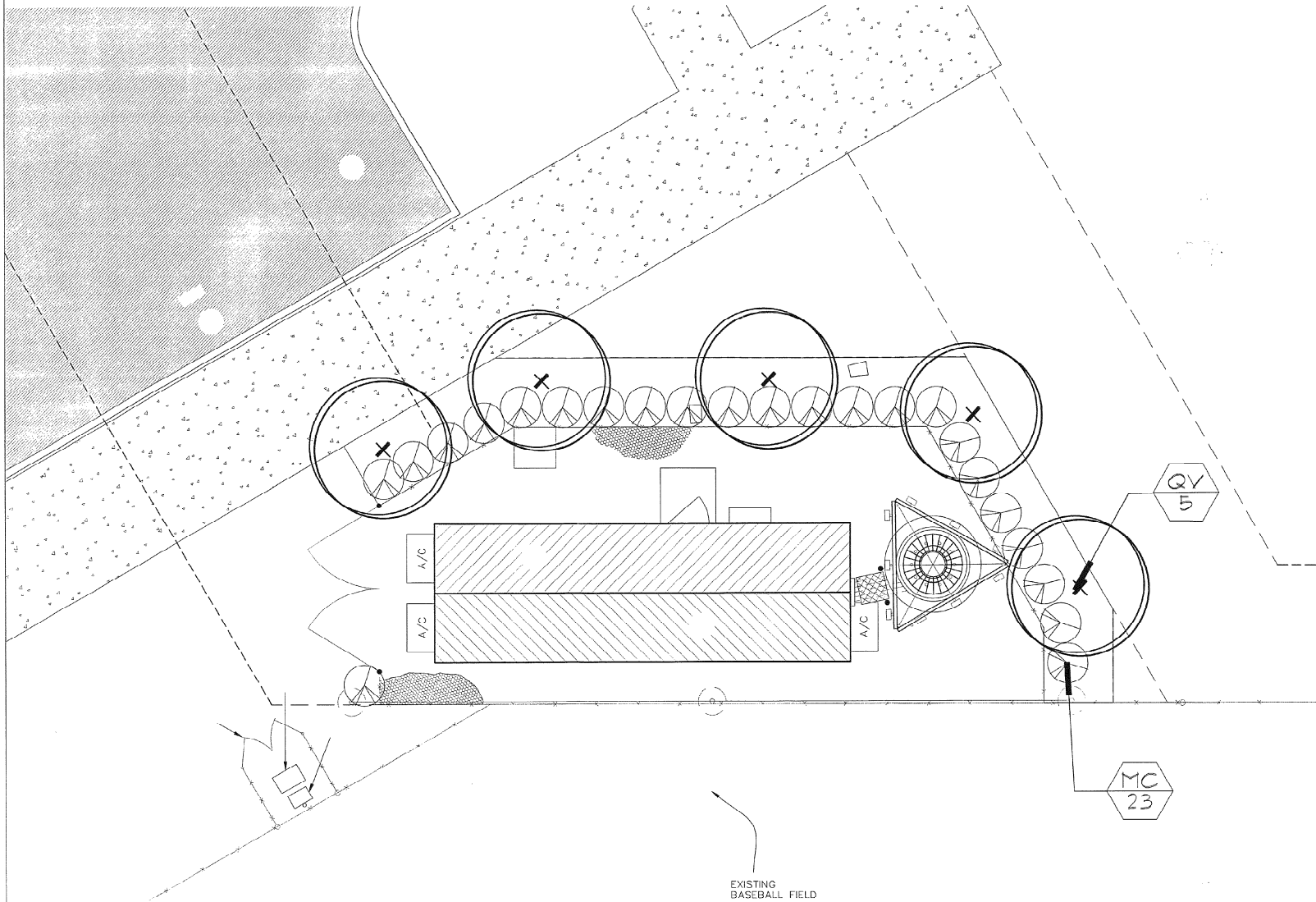
**ANTENNA INSTALLATION AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JRS
DRAWN BY: AJD
APPROVED BY: DWS
DATE: MAY 2001

KHA PROJECT NUMBER
044201071
DRAWING NUMBER
S-1

SHEET TITLE
SHELTER FOUNDATION

SHEET NUMBER
11 OF 17



LANDSCAPE PLAN
1"=5'

PLANT MATERIAL

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/REMARKS
<u>TREES</u>				
QV	5	Quercus virginiana	Live Oak	45 gal. min, 12' height, 2.5" cal. min, 4' clear wood
<u>SHRUBS AND GROUNDCOVERS</u>				
MC	23	Myrica cerifera	Wax Myrtle	3Gal., 30"x30", 30" O.C.

MISCELLANEOUS

3" layer	Eucalyptus/Floramulch	Mulch	
As Needed on site	Stenotaphrum secundatum 'Floritam'	Floritam	Certified Sod, 100% insect/disease free, laid tight, rolled

CITY OF COCONUT CREEK LAND DEVELOPMENT CODES.

	REQUIRED	PROPOSED
ZONING DISTRICTS: RECREATIONAL		
40% minimum native landscape requirement	40%	100%
SHRUBS		
A 4 hedge landscape barrier of at least 2 feet height	2'	2.5'

NOTES

PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWING SHALL TAKE PRECEDENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PLANT MATERIAL QUANTITIES, INCLUDING SOD AND MULCH.

CONTRACTOR SHALL INSURE THAT ADEQUATE WATER IS SUPPLIED IN NECESSARY QUANTITIES TO ALL EXISTING AND NEWLY INSTALLED PLANTINGS.

ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN 'GRADES AND STANDARDS FOR NURSERY PLANTS, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

COMPLETELY REMOVE ALL SYNTHETIC NON-BIODEGRADABLE ROOTBALL WRAPPING MATERIAL PRIOR TO INSTALLATION.

NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR L.A. ALL PLANTING SHALL INCLUDE 3" LAYER OF FLORAMULCH.

NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE L.A. OR OWNER. ALL LANDSCAPE AREAS SHALL BE FULLY IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM.



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RUSSELL MORRISON PE 51567

3/23/01
SEAL

REVISIONS		
NO.	DATE	DESCRIPTION

APPROVALS
PROJECT MANAGER _____ DATE: _____
NEXTTEL REP: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3872A

SCALE: AS SHOWN
DESIGNED BY: MDB
DRAWN BY: MDD
APPROVED BY: SEL
DATE: MAY 2001

KHA PROJECT NUMBER
044201071
DRAWING NUMBER
LA-1
SHEET TITLE
LANDSCAPE PLAN

SHEET NUMBER
12 OF 17

General Landscape Specifications and Notes

A. Scope of Work

1. The work consists of furnishing all labor, materials, equipment, tools, transportation, and any other requirements necessary for the completion of this project as shown on the Drawings, as included in the Plant List, and as herein specified.

2. Work shall include maintenance and watering of all planting areas of the Contract until Certification of Acceptability by the Owner.

B. Protection of Existing Structures

All existing buildings, walks, walls, paving, ponds, and other uses of construction and planting already completed or established shall be protected from damage by the Contractor unless otherwise specified. All damage resulting from negligence shall be repaired or replaced to the satisfaction of the Owner.

C. Protection of Existing Plant Materials Outside Line of Work

The Contractor shall be responsible for all unauthorized cutting or damage to trees and shrubs existing or otherwise, caused by any vehicle operation of equipment, skidding of materials, etc. The shall include inspection by driver or person under the direction of the owner or of a qualified or other disinterested persons within the driveway. No materials shall be stored where the best will damage any plant. Trees killed or damaged so that they are unsound and/or unstable shall be replaced at the cost to the Contractor of One Hundred Dollars (\$100) per cubic yard with no on-site watering costs which shall include an additional twenty (20) per cent per cubic yard for (4) inches caliper or less and squared liquidated damages. Caliper shall be measured six (6) inches above ground level for trees up to and including four (4) inches in caliper and twelve (12) inches above ground level for trees over four (4) inches in caliper.

D. Materials

1. General

Samples of materials as listed below shall be submitted for approval, on the site or as otherwise determined by the Owner. Upon approval of samples, delivery of materials may begin.

MATERIALS	SAMPLES
Mulch	one (1) cubic foot
Topsoil	one (1) cubic yard
Plants	one (1) of each variety

2. Plant Materials

a. Plant species and size shall conform to those indicated on the drawings. Nomenclature shall conform to STANDARDIZED PLANT NAMES, 1942 Edition. All nursery stock shall be in accordance with GRADES AND STANDARDS FOR NURSERY PLANTS Parts I and II, latest edition published by the Florida Department of Agriculture and Consumer Services. All plants shall be Florida Grade No. 1 or better as determined by the Florida Division of Plant Industry. All plants shall be freshly dug, sound, healthy, vigorous, well-branched and free of disease and insects, insects eggs and larvae and shall have adequate root systems. Trees for planting in rows shall be uniform in size and shape. All materials shall be subject to approval by the Owner. Where any requirements are omitted from the Plant List, the plants furnished shall be normal for the variety. Plants shall be graded prior to delivery only upon the approval of the Owner.

b. Measurements: The height and/or width of trees shall be measured from the ground or across the normal spread of branches with the plants in their normal position. The measurement shall not include the measured terminal growth. Plants larger in size than those specified in the Plant List may be used if approved by the Owner. If the size of larger plants is approved, the ball of earth or spread of roots shall be measured in proportion to the size of the plant.

c. Inspection: Plants shall be subject to inspection and approval at the place of growth, or upon delivery in the area, as determined by the Owner. For quality, size, and variety, such approval shall not impair the right of inspection and rejection on the site during progress of the work or after completion for size and condition of balls or roots, latent defects or injuries. Rejected plants shall be removed immediately from the site. Notice requesting inspection shall be submitted in writing by the Contractor at least one (1) week prior to anticipated date.

E. Topsoil and Sand

Topsoil for use in preparing soil for backfilling pits shall be thirty percent (30%) rock and seventy percent (70%) sand and be fertile, friable, and of a heavy character, without mixture of subsoil materials and obtained from a well-drained, arable area. It shall contain three (3) to five (5) percent decomposed organic matter and shall be free from heavy clay, coarse sand, stones, lime, lumps, plants, roots or other foreign materials, or noxious weeds. It shall not contain toxic substances which may be harmful to plant growth. pH range shall be 5.0 to 7.0 maximum.

Sand shall be coarse, clean, well draining nature sand. Contractor shall submit results of soil tests for topsoil and sand proposed for use under the Contract for approval by the Owner.

F. Water

Water necessary for planting and maintenance shall be of satisfactory quality to sustain an adequate growth of plants and shall not contain harmful, natural or man-made elements detrimental to plants. Water meeting the above standard shall be obtained on the site from the Owner, if available, and the Contractor shall be responsible to make arrangements for its use by his tanks, hoses, sprinklers, etc. If such water is not available at the site, the Contractor shall provide such satisfactory water from sources off the site at no additional cost to the Owner.

G. Commercial Fertilizer

Commercial fertilizer shall be a complete formula; it shall be uniform in composition, dug and free flowing. This fertilizer shall be delivered to the site in the original unopened containers, each bearing the manufacturer's guaranteed statement of analysis.

Fifty percent (50%) of the nitrogen shall be derived from natural organic sources. The following fertilizers shall be used and applied at rates as suggested by manufacturer's specifications:

1. Shrubs and Trees - Milorganite, or approved equal
2. Annuals and groundcovers - Omocote/Serra Blend 14-14-14
3. Sod - 6-8-8-B Fertilizer

In addition to surface applied fertilizers, all container grown and field grown plant material shall receive "Maxilene" planting tablets 24-10-15 formula 21 grams or equal. These tablets shall be placed at a depth of root ball at the rate as specified by manufacturer.

H. Mulch

Mulch material shall be maintained at the time of application to prevent wind displacement, and applied to a depth of 3 inches. See plant list for type of material ("Flora-mulch" Eucalyptus Mulch, Pine Straw, or Cypress) and grade.

I. Digging and Handling

1. Protect roots or balls of plants at all times from sun and drying winds, water and freezing, as necessary until planting. Plant materials shall be adequately packed to prevent bruising and drying out during transit. Trees transported more than ten (10) miles or which are not planted within three (3) days of delivery to site shall be sprayed with an anti-transpiration product ("Wiltguard" or equal) to minimize transpirational water loss.

2. Balled and burlapped plants (B&B) shall be dug with firm, natural balls of soil of sufficient size to encompass the fibrous and feeding roots of the plants. No plants moved with a ball shall be planted if the ball is cracked or broken. Plants balled and burlapped or container grown shall not be loaded by stems.

3. Plants marked "PC" in the Plant List shall be dug with bare roots. The roots shall not be cut within the minimum spread specified in the Plant List. Care shall be exercised that the roots do not dry out in a moving and prior to planting.

4. Protection of Poles (if applicable): Only a minimum of limbs shall be removed from the crown of the pole trees to facilitate moving and handling. Clear Trunk (CT) shall be as specified after the minimum of limbs have been removed. All poles shall be banded prior to transport.

J. Container Grown Stock

1. All container grown material shall be healthy, vigorous, well-rooted plants and established in the container in which they are sold. The plants shall have tops which are of good quality and are in a healthy growing condition.

2. An established container grown plant shall be transplanted into a container and grown in that container sufficiently long for the new fibrous roots to have developed so that the root mass will retain its shape and hold together when removed from the container. Container grown stock shall not be loaded by their stems.

3. Plant roots bound in containers shall not be acceptable.

4. Substitution of non-container grown material for material explicitly specified to be container grown will not be permitted unless written approval is obtained from the Owner and Landscape Architect.

K. Collected Stock

When the use of collected stock is permitted as indicated on the Plant List Schedule, the minimum sizes of materials shall be equal to that specified for the next larger size of nursery grown stock of the same variety.

L. Native Stock

Plants collected from wild or native stands shall be considered nursery grown when they have been successfully re-established in a nursery row and grown under regular nursery cultural practices for a minimum of two (2) growing seasons and have attained adequate root and top growth to indicate full recovery from transplanting into the nursery row.

M. Materials List

Quantities necessary to complete the work on the Drawings shall be furnished. Quantity estimates have been made carefully, but the Landscape Architect or Owner assumes no liability for omissions or errors. Should a discrepancy occur between the bid items and the quantities, the Landscape Architect shall be notified for clarification prior to the submission of bids.

All dimensions and/or sizes specified shall be the minimum acceptable size.

N. Fine Grading

1. Fine grading under the Contract shall consist of final finished grading of lawn and planting areas that have been roughly graded by others. Grading as shown on the drawings shall be the responsibility of the Landscape Contractor, unless otherwise noted.

2. The Landscape Contractor shall fine grade the lawn and planting areas to bring the rough grade up to final finished grade allowing for thickness of sod and/or mulch depth. The Contractor shall fine grade by hand and/or with all equipment necessary including a grading tractor with front-end loader for transporting soil with the site.

3. All planting areas shall be graded and maintained to allow free flow of surface water. Areas adjacent to buildings shall slope away from the buildings.

O. Planting Procedures

1. Cleanup before commencing work: The Contractor shall clean up work and surrounding areas of all rubbish or objectionable matter. All stumps, roots, and stumps shall be removed from the surface of all plant beds. These materials shall not be mixed with the soil. Should the Contractor find such soil conditions beneath the soil which will in any way adversely affect the plant growth, he shall immediately call it to the attention of the Landscape Architect or Owner. Failure to do so before planting shall make the Contractor responsible for the consequences.

2. Verify locations of all utilities, conduits, supply lines and cables, including but not limited to: electric, gas (lines and tanks), water, sanitary sewer, stormwater lines, cable and telephone. Properly mark and protect existing utilities.

3. Subgrade Excavation: Site Contractor is responsible to remove all existing and exposed litter and littered sub-base from all landscape planting areas to a minimum depth of 36". Site Contractor is responsible to backfill these planting areas to rough finished grade with clean material from an on-site source or an approved source. If littered conditions occur in planted areas after 30" deep excavation by Site Contractor, and positive drainage can not be achieved, Landscape Contractor shall utilize planting detail three addresses poor drainage.

4. Furnish nursery's certificate of compliance with all requirements as herein specified and required. Inspect and select plant materials before plants are dug at nursery or growing site.

5. General: Comply with applicable Federal, State, County, and local regulations governing landscape materials and work. Conform to accepted horticultural practices as used in the trade. Plants shall be protected upon arrival at the site by being thoroughly watered and properly maintained until planted. Plants shall not remain unwatered for a period exceeding twenty-four (24) hours. At all times horticultural methods customary in good horticultural practices shall be exercised.

6. The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to assure availability of water and proper location of irrigation lines and plants.

7. All planting pits shall be excavated to size and depth in accordance with the USDA Standard for Nursery Stock (2001), unless shown otherwise on the drawings, and backfilled with the prepared Planting Soil as specified hereinafter (Section E). Test all trees pits with water before planting to assure proper drainage percolation is available. No drainage will be made for lost plants due to improper drainage. If poor drainage exists, water planting detail three addresses this condition. Trees shall be set, pits and ball in position and the planting material has been finished into place with a shovel, full hole surface. All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman. Proper "jettison" shall be assured to eliminate air pockets around the roots. "Jet Stick" or equal is recommended.

8. Take all necessary precautions to avoid damage to buildings and building structures while installing trees.

9. Soil mixture shall be as specified in Section E of these specifications. In addition, each planting pit shall receive 21-gram "Maxilene" planting tablets per manufacturer's specifications or as follows:

- Two (2) tablets per 1 gal. plant.
- Three (3) tablets per 3 gal. plant.
- Four (4) tablets per 10 gal. plant.
- Larger Material - Two (2) tablets per 1/2" of trunk caliper

10. Trees and shrubs shall be set, wrapped and on such a level that after settlement, the plant crown will stand one (1) to two (2) inches above grade. Each plant shall be set in the center of the pit. Planting soil mixture shall be backfilled and thoroughly tamped around the ball and shall be settled by water after setting.

11. Fill hole with soil mixture, making certain all soil is saturated. To do this, fill hole with water and allow to soak minimum twenty (20) minutes, remove, if necessary to get soil thoroughly wet. Plant within with feet. Add more wet soil mixture. Do not cover top of ball with soil mixture, only with mulch. All burlap, ropes, wires, etc., shall be removed from the sides and tops of balls, but no burlap shall be pulled from underneath.

12. Pruning: Each tree shall be pruned to preserve the natural character of the plant, as shown on the drawings. All soft wood or sucker growth and all broken or badly damaged branches shall be removed with a clean cut.

13. Shrubs and ground cover plants shall be evenly spaced in accordance with the drawings and as indicated on the Plant List. Cultivate all planting areas to a minimum depth of 6", remove and dispose all debris. Fill soil top of the planting soil mix as specified in Section E. Thoroughly water all plants after installation.

14. Tree staking and bracing shall be installed by the Landscape Contractor in accordance with the plans to ensure stability and maintain trees in an upright position.

If the Landscape Contractor and Owner decide to waive the tree staking and bracing, the Owner shall notify the Landscape Architect in writing of their intention and agree to hold harmless - the Landscape Architect in the event any trees fall down and damage person or property.

15. Mulching: Provide a three (3) inch minimum layer of specified mulch over the entire area of each shrub bed, ground cover and tree bed and tree pit.

16. Herbicide Weed Control: All plant beds shall be kept free of noxious weeds until final acceptance of work. If directed by the Owner, "Round-Up" shall be applied for weed control by qualified personnel to all planting areas in spot applications per manufacturer's precautions and specifications. Prior to final inspection, treat all planting beds with an approved pre-emergent herbicide at an application rate recommended by the manufacturer.

P. Lawn Seeding

1. The work consists of lawn bed preparation, soil preparation, and seeding complete in series accordance with the specifications and the applicable drawings to produce a grass lawn acceptable to the Owner.

2. Lawn Bed Preparation: All areas that are to be seeded shall be cleared of any rough grass, weeds, and debris, and the ground brought to an even grade. The whole surface shall be rolled with a roller weighted not more than one-hundred (100) pounds per foot of width. During the rolling, all depressions caused by settlement of rolling shall be filled with additional soil, and the surface shall be re-rolled and rolled until preventing a smooth and even finish that is up to the required grade.

3. Soil Preparation: Prepare loose bed four (4) inches deep. Apply fertilizer at rate of twenty (20) pounds per one thousand (1000) square feet. Application shall be uniform, utilizing approved mechanical spreaders. The fertilizer thoroughly with the soil to a depth of 2 inches. Hand rake until all lumps and depressions are removed. Well prepared area thoroughly.

1. Seeding

a. The Contractor shall seed all areas that are not paved or planted as designated on the drawings within the contract limits, unless specifically noted otherwise.

b. The seed shall be certified to meet Florida State Plant Board Specifications, absolutely true to varietal type, and free from weeds, fungus, insects and diseases of any kind.

c. Seed points shall be laid tightly together so as to make a solid seeded lawn area. Seed shall be laid uniformly against the edges of all curbs and other landscape elements, paved and unplanted areas. Alignment to buildings, a four inch wide strip shall be provided. Randomly following and laying the lawn areas shall be rolled with a law roller customarily used for such purposes, and then thoroughly irrigated. If, in the opinion of the Owner, top-dressing is necessary after rolling to fill the voids between the seed points and to even out unevenness in the soil, clean sand as approved by the Landscape Architect or Owner shall be uniformly spread over the entire surface of the seed and thoroughly watered in.

5. During delivery, prior to and during the planting of the lawn areas, the seed points shall be at all times be protected from excessive drying and unnecessary exposure of the seeds to the sun. All seed shall be stored so as not to be damaged by freezing or excessive heat and moisture.

6. Lawn Maintenance

a. Within the contract limits, the Contractor shall produce a dense, well-established lawn. The Contractor shall be responsible for the repair and re-seeding of all areas, within or bare spots until Certification of Acceptability by the Landscape Architect or Owner. Repaired sods shall be accomplished as in the ground work (including regrading if necessary).

b. Water every day for ten (10) successive days, then water three (3) times per week (at even intervals) for two (2) additional weeks. All watering shall be of sufficient quantity to wet or restore water to depth of four (4) inches.

G. Cleanup

Upon completion of all planting work and before final acceptance, the Contractor shall remove all material, equipment, and debris resulting from his work. All paved areas shall be broom cleaned and the site left in a neat and acceptable condition as approved by the Owner's Authorized Representative.

R. Plant Material Maintenance

All plants and plants included under the Contract shall be maintained by watering, cultivating, spraying and all other operations (such as re-seeding or re-grading) necessary to ensure a healthy condition by the Contractor until Certification of Acceptability by the Landscape Architect. Maintenance after the Certification of Acceptability shall be in accordance with the specifications in this section. Contractors are requested to provide a bid estimate to cover landscape and irrigation maintenance for a period of 90 calendar days commencing after acceptance.

5. Maintenance (Alternate Bid Item)

1. Contractors are requested to provide a bid estimate for maintenance following the initial 90-day maintenance period on a cost per month basis.

1. Guarantee

1. The life and satisfactory condition of all 15 gallon and larger plant material installed by the Landscape Contractor shall be guaranteed by the Contractor for a minimum of one (1) calendar year commencing at the time of Certification of Acceptability by the Landscape Architect or Owner.

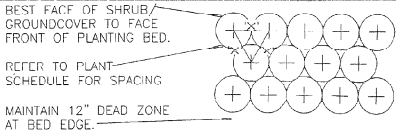
2. The life and satisfactory condition of all other plant material (including soil) installed by the Landscape Contractor shall be guaranteed by the Contractor for a minimum of 90 calendar days, commencing at the time of Certification of Acceptability by the Landscape Architect or Owner.

3. Replacement: Any plant not found in a healthy growing condition at the end of the guarantee period shall be removed from the site and replaced as soon as weather conditions permit. All replacements shall be plants of the same kind and size as specified in the Plant List. They shall be furnished planted and mulched as specified under "Planting", at no additional cost to the Owner.

4. In the event the owner does not contract with the Contractor for landscape (and irrigation) maintenance, the Contractor is encouraged to use the project site periodically during the one year warranty period to evaluate maintenance procedures being performed by the Owner, and shall notify the owner in writing of maintenance procedures or conditions which threaten repairs and health of plant growth. It is suggested that site visits shall be conducted a minimum of once per month for a period of twelve (12) months from the date of acceptance.

U. Final Inspection and Acceptance of Work

Final inspection at the end of the guarantee period shall be on planting, construction and all other incidental work pertaining to the Contract. Any replacement at the time shall be subject to the same one (1) year warranty period as specified by the Landscape Architect or Owner in writing beginning with the use of replacement and ending with the same inspection and acceptance terms described.



NOTES:

1. TOP OF SHRUB
ROOTBALLS TO BE
PLANTED 1" - 2" HIGH
WITH SOIL MOUNDING UP
TO THE TOP OF
ROOTBALL.

A UNIFORM MASS/HEIGHT

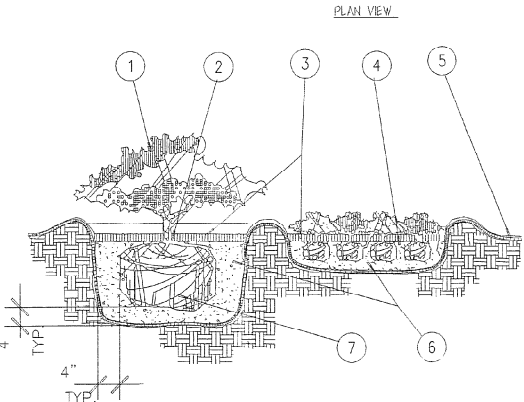
COMPACTED OR AS SPECIFIED

FOR GROUNDCOVER BED.

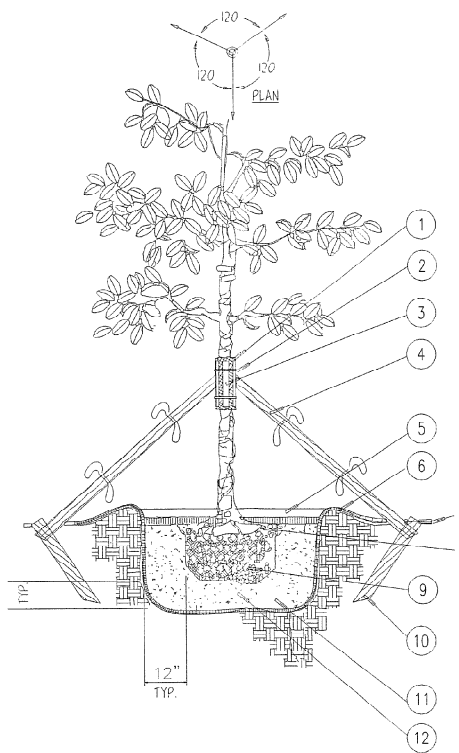
5. FINISHED GRADE (SEE GRADING
PLAN).

6. PREPARED PLANTING SOIL AS
COVERS AND SHRUBS USED IN
MASSES ENTIRE BED TO BE
AMENDED WITH PLANTING
SOIL MIX AS SPECIFIED.

7. SCARIFY ROOTBALL SIDES
AND BOTTOM.



1 Shrub/Groundcover Planting Detail
SECTION NTS



2 Large Tree Planting Detail
SECTION NTS

NOTES:

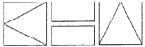
A. CONTRACTOR SHALL ASSURE
PERCOLATION OF ALL PLANTING
PITS PRIOR TO INSTALLATION.

B. FINAL TREE STAKING DETAILS
AND PLACEMENT TO BE
APPROVED BY OWNER.

C. "TREE SAVER"
ANCHORING SYSTEM MAY BE
SUBSTITUTED FOR WOOD
STAKING SYSTEM UPON
APPROVAL BY OWNER OR
LANDSCAPE ARCHITECT.

NEXTEL
COMMUNICATIONS

6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400



Kimley-Horn and Associates, Inc.

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PHONE: (561) 845-0665

REGISTRATION NUMBERS

KIMIFY HORN & ASSOCS., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51010
RUSSELL MORRISON	PE 51567

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____	DATE: _____
NEXTEL, INC. _____	DATE: _____
PROPERTY OWNER _____	DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A**

SCALE: _____	AS SHOWN
DESIGNED BY: _____	MAB
DRAWN BY: _____	MAB
APPROVED BY: _____	SEL
DATE: _____	NOVEMBER 2000

KHA PROJECT NUMBER
044201071

DRAWING NUMBER
LA-2

SHEET TITLE

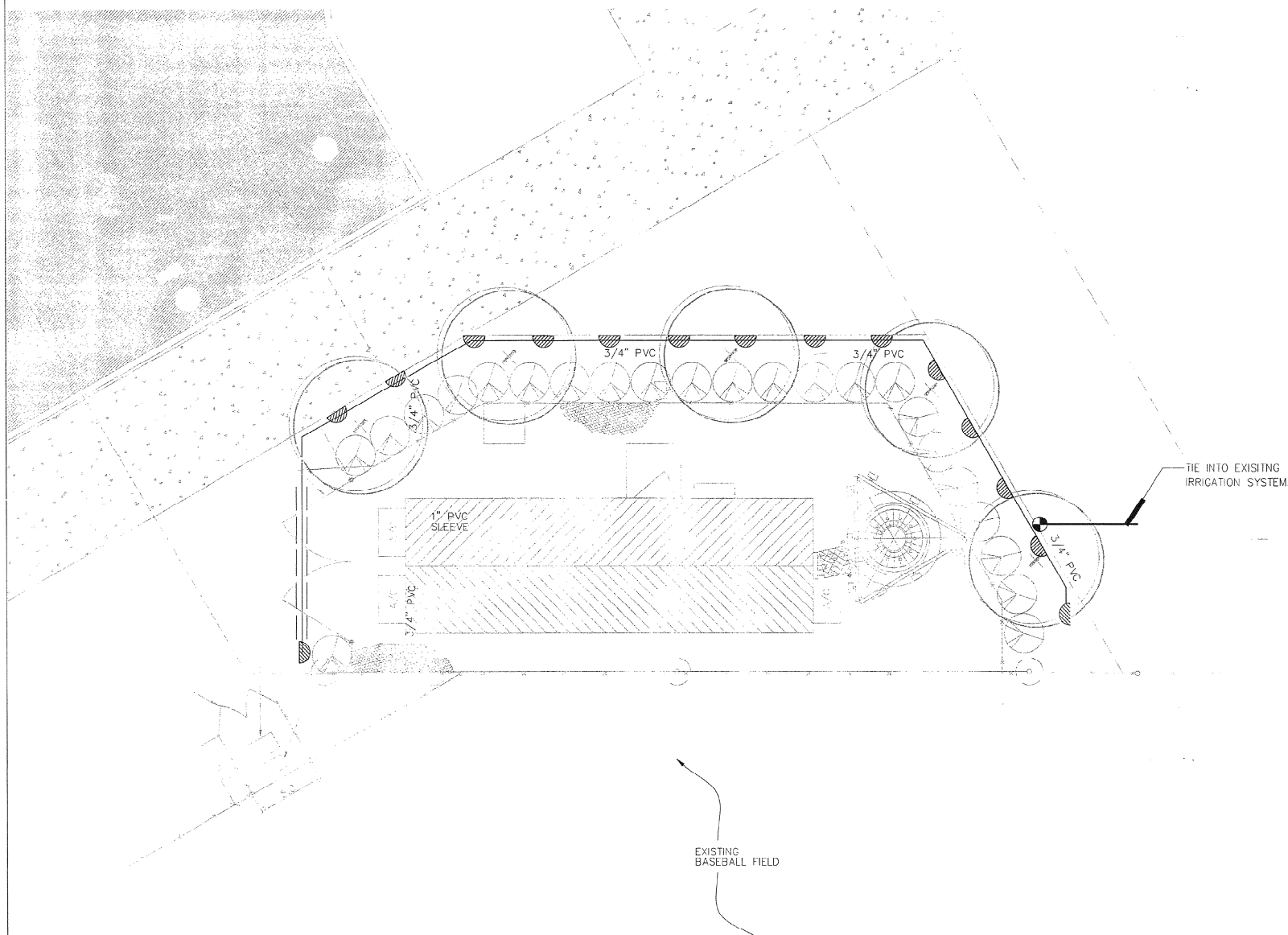
LANDSCAPE DETAILS

SHEET NUMBER

13

OF

17



IRRIGATION PLAN
1"=5'

IRRIGATION SYSTEM

IRRIGATION IS TO BE COORDINATED WITH THE CITY.

IRRIGATION SHALL PROVIDE 100% COVERAGE WITH A 50 % OVERLAP.

IRRIGATION CONTRACTOR MUST EVALUATE EXISTING PARK IRRIGATION SYSTEM, AND DETERMINE IF THE NEAREST ZONE IS CAPABLE OF SUPPLYING AN ADDITIONAL 4.0 GPM. IF FOUND UNCAPABLE, A NEW ZONE MUST BE ADDED FROM THE EXISTING MAINLINE. WIRING AND A NEW CONTROL BOX MAY BE REQUIRED IF CURRENT SYSTEM IS INCAPABLE OF BEING UPGRADED.

SOURCE OF WATER FOR IRRIGATION SYSTEM WILL BE THE EXISTING PARK IRRIGATION SYSTEM.

INSTALLATION IS TO INCLUDE COMPLIANCE WITH APPLICABLE CODES. PRESSURE TESTING OF MAINLINE, AND HARDWARE TO POWER SOURCE AT EQUIPMENT SHELTER. CONTRACTOR MAY USE ALTERNATE/NEARBY SOURCE IF FOUND ACCEPTABLE BY PROJECT MANAGER.

CONTRACTOR TO EVALUATE EXISTING SYSTEM AND PRODUCE IRRIGATION SHOP DRAWINGS PRIOR TO SUBMITTING FOR A BUILDING PERMIT.

THE CONTRACTOR SHALL BE RESPONSIBLE OF CONTRACTING LOCAL UNDERGROUND UTILITIES TO VERIFY LOCATIONS. THE CONTRACTOR SHOULD VISIT THE SITE PRIOR TO INSTALLATION AND BECOME FAMILIAR WITH EXISTING CONDITIONS.

THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION AND COMPLY WITH XERISCAPE PRINCIPLES AS SPECIFIED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

ALL SLEEVING SHALL BE SCH 40 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN. OF 2 PIPE SIZES LARGER THAN THE SUPPLY LINE CONTAINED. ALL SLEEVES SHALL BE INSTALLED A MIN. OF 24" BELOW FINISHED GRADE.

WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS. REFER TO MANUFACTURE'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED.

LEGEND

- QTY. SYM. (15) TORO 510 MPR PLUS 5-Q 1.9 GPM @ 30 PSI
- CLASS 200 LATERAL
- PROPOSED IRRIGATION WIRING
- PVC SLEEVE (SCH.40)

ONES

- 1 SHRUB & TREE ZONE

NOTE:

- Preferred irrigation specs: TORO 510 MPR PLUS GRAPY NOZZLES
- HARDIE ELECTRIC VALVE (100-2)
- ZONE *GALLONAGE

IRRIGATION CACULATION: ZONE 1 - 3.8 GAL PER MIN REQUIRED FOR IRRIGATION DESIGN.

REVISION - SITE PLAN

NEXTEL COMMUNICATIONS

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KIRK DROST PF 51910
RUSSELL MORRISON PE 51567

3/23/09
SEAL

REVISIONS		
NO.	DATE	DESCRIPTION

APPROVALS	
PROJECT MANAGER	DATE: _____
NEXTEL RF	DATE: _____
PROPERTY OWNER	DATE: _____

ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3872A

SCALE: AS SHOWN
DESIGNED BY: MDR
DRAWN BY: MDR
APPROVED BY: SEL
DATE: MAY 2001

KHA PROJECT NUMBER
044201071
DRAWING NUMBER
IR-1
SHEET TITLE
IRRIGATION PLAN

SHEET NUMBER
14 OF 17

044201071 This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific project and shall not be used for any other project without the written approval of Kimley-Horn and Associates, Inc. No part of this document shall be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, without written authorization and approval by Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATIONS SCALE: AS NOTED

A. EXTENT:

includes furnishing all labor, materials and equipment for the proper installation of the irrigation system. The work includes, but is not limited to the following: (1) Trenching and Backfill; (2) Automatically Controlled Irrigation System; (3) Test All Systems and Make Operative; (4) "As-Built" Drawings.

B. GENERAL:

- Permits and Fees: Obtain all permits and pay required fees to any governmental agency having jurisdiction over the work. Inspections required by local ordinances during the course of construction shall be arranged as required. On completion of the work, satisfactory evidence shall be furnished to the Tenant's construction representative to show that all work has been installed in accordance with the ordinances and code requirements.
- Approval: Wherever the terms "approve" or "approved" are used in the specifications, they shall mean the approval of the tenant's construction representative in writing.
- Before any work is started, a conference shall be held between the contractor and the Tenant's construction representative concerning the work under this Contract.
- Coordination: Coordinate and cooperate with other contractors to enable the work to proceed as rapidly and efficiently as possible.
- Inspection of Site:
 - Contractor shall acquaint himself with all site conditions. Submission of his proposal shall be considered evidence that the examination has been conducted. Should utilities not shown on the plans be found during excavations, Contractor shall promptly notify the Tenant's construction representative for instructions to further action. Failure to do so will make contractor liable for any and all damage thereto arising from his operations subsequent to discovery of such utilities not shown in plans.
 - Contractor shall make necessary adjustments in the layout as may be required to connect to existing stubouts, should such stubs not be located exactly as shown, and as may be required to work around existing work at no increase in cost to the Tenant's construction representative.
- Protection of Existing Plants and Site Conditions: The Contractor shall take necessary precautions to protect site conditions to remain. Should damage be incurred, this Contractor shall repair the damage to its original condition at his own expense.
- The owner reserves the right to substitute, add, or delete any material or work as the work progresses. Adjustments to the contract price shall be negotiated if deemed necessary by the Owner on a per item basis.
- The Owner reserves the right to reject material or work which does not conform to the Contract Documents. Rejected work shall be removed or corrected at the earliest time possible.
- Work Schedule: Within 10 days after award of the Contract, the contractor shall submit to the Owner a work schedule.
- "As-Built" Irrigation Drawings: Prepare an "As-Built" drawing on a blueprint which shall show deviations from the bid documents made during construction affecting the main line pipe, controller locations, remote control valves and quick coupling valves. The drawings shall also indicate and show approved substitutional size, material and manufacturers name and catalog name and catalog number. The drawings shall be delivered to the Tenant's construction representative before final acceptance of work.
- Final Acceptance: Final acceptance of the work may be obtained from the Tenant's construction representative upon the satisfactory completion of all work.
- Guarantee: All work shall be guaranteed for one year from date of acceptance against all defects in material, equipment and workmanship. Guarantee shall also cover repair of damage to any part of the premises resulting from leaks or other defects in material, equipment and workmanship to the satisfaction of the Tenant's construction representative. Repairs, if required, shall be done promptly at no cost to the Owner.

C. MATERIALS:

- General: All materials throughout the system shall be new and in perfect condition.
- Piping: All main lines shall be Class 200 a-ring polyvinyl chloride (PVC) pipe and shall conform to ASTM D-2241 cc 200 with gaskets conforming to ASTM 1869-F477. All lateral piping shall be PVC Class 160 solvent weld conforming to ASTM D-1784 and D-2241.
- Plastic Fittings: Sch. 40 solvent weld, polyvinyl chloride (PVC) standard weight as manufactured by Bionne, Lisco, or approved equal.
- Solvent Cement: Compatible with PVC pipe, of proper consistency, and color.
- Sprinkler Head Risers: Sch. 40 PVC for risers. Pipe shall be cut in a standard pipe cutting tool with sharp cutters. Ream only to full diameter of pipe and clean all rough edges or burrs. Cut all threads accurately with sharp dies. Not more than three(3) full threads shall show beyond fittings when pipe is made up. Assemblies shall be as detailed.
- Automatic Controllers: See Legend.
- Remote Control Valves: See Legend.
- Control Wiring: 24 volt solid UL approved for direct burial in ground. Minimum wire size: 12 gauge.
- Sleeves for Control Wiring: Under all walks and paved areas and where indicated on drawings. Minimum PVC 1/2"-160 psi plastic pipe.
- Sprinkler Heads: See Legend.
- Quick Coupling Valves: Shall be noted on drawings.

NOTES:

DO NOT SCALE PLAN FOR EXACT HEAD LOCATION.

ALL RISERS SHALL BE PAINTED FLAT BLACK.

THE CONTRACTOR SHALL MAKE ALL ADJUSTMENTS TO THE IRRIGATION SYSTEM WHICH PROVIDES A MINIMUM 100% COVERAGE WITH 50% OVERLAP.

THE CONTRACTOR SHALL RUN THE DESIGNATED ADDITIONAL WIRES TO THE INDIVIDUAL TRACTS AS FOLLOWS:

TRACT B1: 10 WIRES
TRACT B2: 4 WIRES
TRACT C: 10 WIRES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HARD WIRING THE ELECTRICAL SERVICE CONNECTIONS.

THE FINAL LOCATION OF ALL COMPONENTS SHALL BE APPROVED BY THE OWNER.

ALL MAIN LINE SLEEVE LOCATION ARE ACCOMPANIED WITH A 2" ELECTRICAL CHASE FOR THE CONTROL WIRING.

D. WORKMANSHIP:

- Lay out work as accurately as possible to the drawings. The drawings, though carefully drawn, are generally diagrammatic to the extent that swing joints, offsets, and all fittings are not shown.
- The Contractor shall be responsible for full and complete coverage of all irrigated areas and shall make any necessary minor adjustments at no additional cost to the Tenant's construction representative.
- Any major revisions to the irrigation system must be submitted and answered in written form, along with any change in contract price.

E. INSTALLATION:

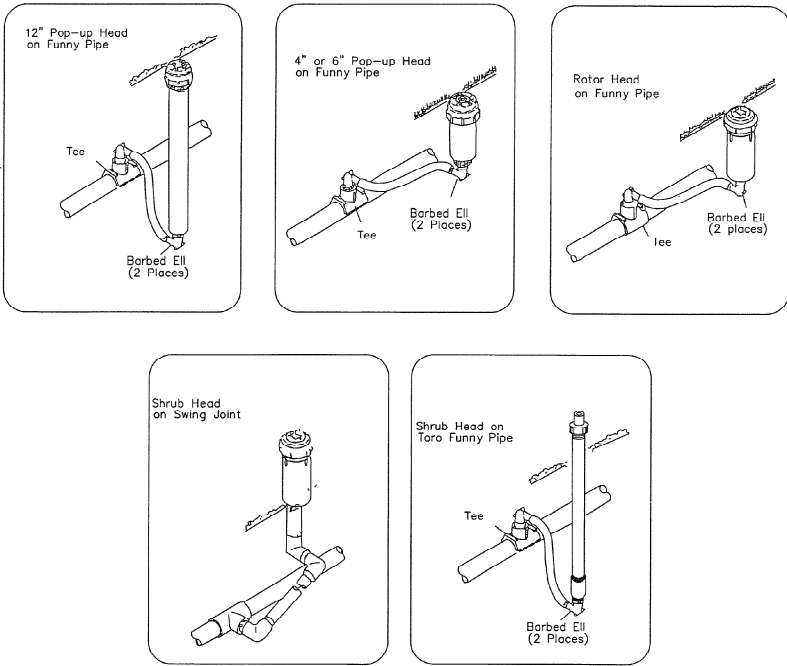
- Excavation and Trenching:
 - Perform all excavations as required for the installation of the work including under this section, including shoring of earth banks to prevent cave-ins. Restore all surfaces, existing underground installations, etc., damaged or cut as a result of the excavations to and in a manner approved by the Owner.
 - Trenches shall be made wide enough to allow a minimum of 6 inches between parallel pipe lines. Trenches for pipe lines shall be made of sufficient depths to provide the minimum cover from finish grade as follows:
 - 18" minimum cover over main lines
 - 12" minimum cover over lateral lines to heads.
 - Maintain all warning signs, shoring, barricades, flares and red lanterns as required by the Safety Orders of the Division of Industrial Safety and local ordinances.
- Pipe Line Assembly:
 - Install remote control valves where shown and group together where practical; place no closer than 12 inches to walk edges, buildings and walls.
 - Plastic pipe and fittings shall be solvent welded using solvents and connections are required. Pipe and flange shall be thoroughly cleaned of dirt, dust and moisture before applying solvent with a non-synthetic bristle brush.
 - Pipe may be assembled and welded on the surface. Snake pipe.
 - Make all connections between plastic pipe and metal valves or steel pipe with threaded fittings using plastic male adapters.
- Sprinkler Heads:
 - Install all sprinklers as detailed on drawings.
 - Do not scale plans for exact head location.
- Closing of Pipe and Flushing Lines:
 - Cap or plug all openings as soon as lines have been installed to place until removal is necessary for completion of installation.
 - Thoroughly flush out all water lines before installing heads, valves and other hydrants.
 - Test in accordance with paragraph on Hydrostatic Tests.
- Upon completion of the testing, the contractor shall complete assembly and adjust sprinkler heads for proper distribution.
- Hydrostatic Tests:
 - Request the presence of the Owner in writing at least 48 hours in advance of testing.
 - Testing to be accomplished at the expense of the Contractor and in the presence of the Owner.
 - Center line piping with small amount of backfill to prevent arching or slipping under pressure.
 - Applying a continuous and static water pressure of 125 psi when welded plastic joints have cured at least 3 hours and with the risers capped as follows:
 - Main lines and submain to be tested for 3 hours.For a-ring gasket pipe the allowable leakage shall not exceed the number of gallons per hour as determined by the following formula:
$$L = \frac{SD(P)}{133200}$$
in which:
 L =Allowable leakage, in gallons per hour
 S =Length of pipe tested in feet
 D =Pipe diameter in inches
 P =Average test pressure in PSI gauge
- Repair leaks resulting from tests.

- Automatic Controllers:
 - Connect remote control valves to controller in a clockwise sequence to correspond with station setting beginning with Stations 1, 2, 3, etc. at intervals.
- Automatic Control Wiring:
 - Install control wiring, sprinkler mains and laterals in common trenches wherever possible.
 - Install control wires at least 18" below finish grade and lay to the side and below the main line. Provide looped slack at valves and snake wires in trench to allow for contraction of wireline wires in bundles at intervals.
 - Control wire splices will be allowed only runs over 1000 ft. Connections shall be as detailed.
 - All wiring passing under existing or future paving, construction, etc., shall be encased in plastic or galvanized steel conduit extending at least 18" end edges of paving or construction.
- Backfill and Compacting:
 - After system is operating and required tests and inspections have been made, backfill excavations and trenches with clean soil, free of rubbish.
 - Backfill for all trenches, regardless of the type of pipe covered, shall be compacted to minimum 90% density.
 - Compact trenches in areas to be planted by thoroughly flooding the backfill. Jetting process may be used in those areas.
 - Dress off all areas to finish grades.

F. CLEAN-UP:

- Remove from the site all debris resulting from work of this section.

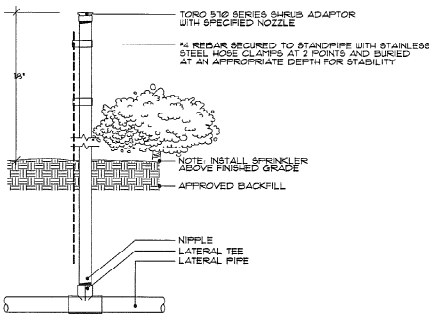
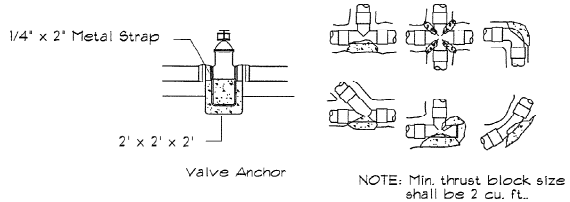
HEAD DETAILS



SLEEVE SIZE SCHEDULE

PIPE SIZE	SLEEVE SIZE
3/4"	1-1/4"
1"	2"
1-1/4"	2-1/2"
1-1/2"	2-1/2"
2"	3"
2-1/2"	4"
3, 4"	6"

THRUST BLOCK DETAILS



TORO SPRAY NOZZLE ON STAND-PIPE WITH SHRUB ADAPTOR
SCALE: NOT TO SCALE

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PHONE: (561) 840 0660

REGISTRATION NUMBERS

KIMLEY HORN & ASSOCS., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51810
RUSSELL MORRISON	PE 51567

REVISIONS

NO.	DATE	DESCRIPTION

APPROVALS

PROJECT MANAGER _____ DATE: _____
NEXTEL REF: _____ DATE: _____
PROPERTY OWNER _____ DATE: _____

ANTENNA INSTALLATION
AT WINSTON PARK
SITE NUMBER: FL 3672A

SCALE: AS SHOWN
DESIGNED BY: MDB
DRAWN BY: MDB
APPROVED BY: SEL
DATE: JANUARY 2001

KHA PROJECT NUMBER
044201071

DRAWING NUMBER

IR-2

SHEET TITLE

IRRIGATION DETAILS

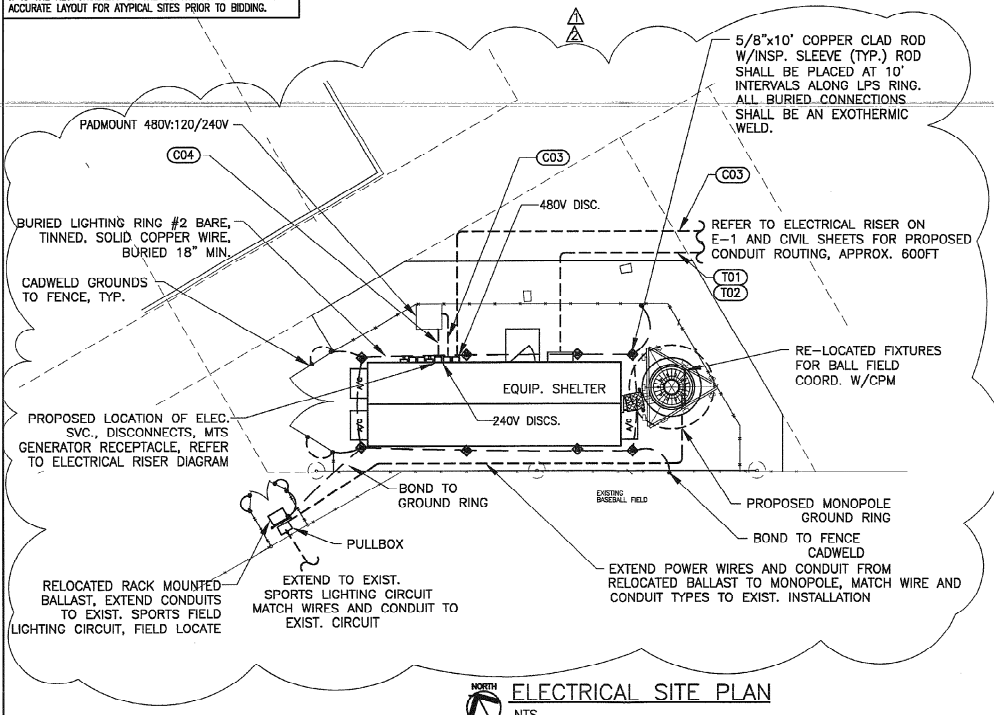
SHEET NUMBER

15

OF

17

LIGHTNING PROTECTION SYSTEM SHOWN IS TYPICAL. CHANGES IN DESIGN SHALL BE MADE BY THIS ENGINEER FOR ATYPICAL SITES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEEK AN ACCURATE LAYOUT FOR ATYPICAL SITES PRIOR TO BIDDING.

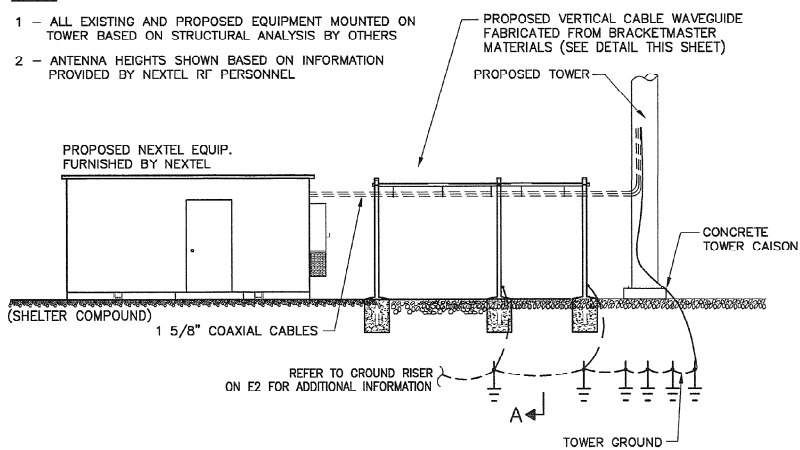


LIGHTNING PROTECTION SYSTEM (LPS) NOTES:

- TEST FIXTURES AND BALLAST MOUNTED ON SPORTS LIGHTING POLE TO BE DEMO, REPORT RESULTS TO NEXTEL CPM.
- CONTRACTOR TO DEMO EXIST. SPORTS LIGHTING POLE AND REMOVE FROM SITE OR TURNOVER TO THE CITY OF COCONUT CREEK, AND TAKE DOWN EXIST. LIGHT FIXTURES/MOUNTING ASSEMBLY AND BALLAST FOR RE-USE.
- INSTALL NEW MONOPOLE ANTENNA AND REINSTALL EXIST. FIXTURES/ASSEMBLY ONTO MONOPOLE MAINTAIN SAME ELEVATION AND AIMING OF FIXTURES AS THE ORIGINAL INSTALLATION. CONTRACTOR MAY NEED TO FURNISH ADDITIONAL HARDWARE TO MOUNT FIXTURE/ASSEMBLY ONTO NEW MONOPOLE.
- INSTALL EXIST. BALLAST ONTO RACK AND FURNISH NEW WIRING AND CONDUIT FROM BALLAST TO RELOCATED FIXTURES. MATCH WIRES AND CONDUIT TO EXIST. INSTALLATION.
- RECONNECT RELOCATED FIXTURES AND BALLAST TO EXIST. SPORTS LIGHTING LIGHT CIRCUIT, FIELD LOCATE AND EXTEND WIRES AND CONDUITS AS REQUIRED.
- CONTRACTOR TO HIRE MUSCO LIGHTING SERVICES FOR LIGHTING TEST CERTIFICATION AND STRUCTURAL INTEGRITY OF INSTALLATION, CONTACT TIM IMHOFF @ 954-583-9756.

NOTES:

- ALL EXISTING AND PROPOSED EQUIPMENT MOUNTED ON TOWER BASED ON STRUCTURAL ANALYSIS BY OTHERS
- ANTENNA HEIGHTS SHOWN BASED ON INFORMATION PROVIDED BY NEXTEL RF PERSONNEL



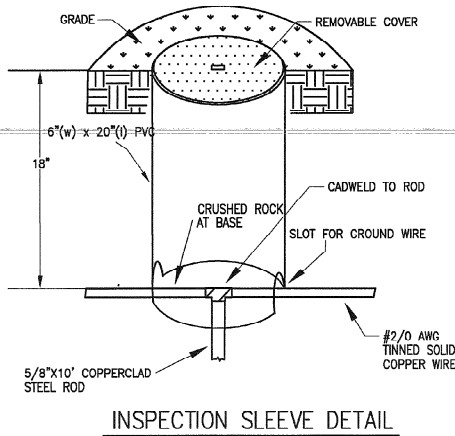
WAVEGUIDE CABLE SUPPORT LPS DETAIL
NTS

ABBREVIATIONS

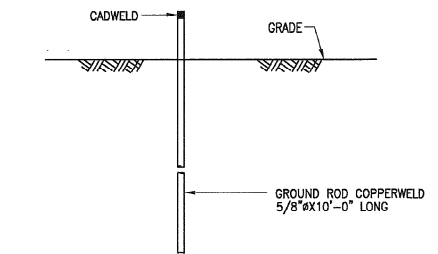
AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE
RWY	RACEWAY
TYP.	TYPICAL
RGS	RIGID GALVANIZED STEEL
EMT	ELECTRICAL METALLIC TUBING
DWG	DRAWING
IGR	INTERIOR GROUND RING (HALO)
ACCA	ANTENNA CABLE COVER ASSEMBLY
BTS	BASE TRANSMISSION SYSTEM
GEN	GENERATOR

ELECTRICAL SYMBOLS

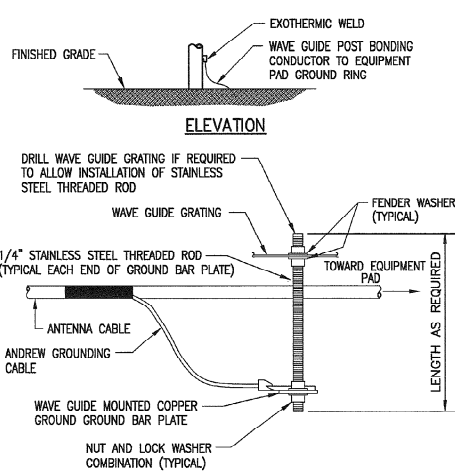
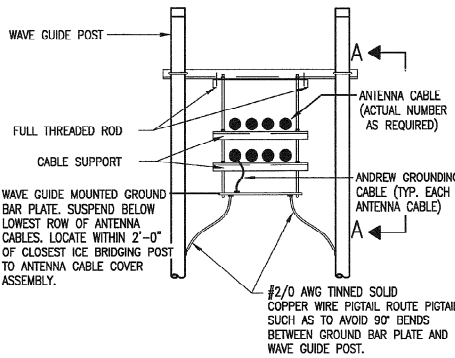
☒	GROUND ROD WITH ACCESS
⊗	GROUND ROD
⊠	CADWELD TYPE CONNECTION
●	COMPRESSION TYPE CONNECTION
---	GROUNDING WIRE OR U.G. CONDUIT
(COT)	CONDUIT TAG



INSPECTION SLEEVE DETAIL
NTS



GROUNDING - STANDARD DETAIL
GROUND ROD



SECTION A-A
WAVE GUIDE MOUNTED
GROUND BAR PLATE INSTALLATION
NTS

ELECTRICAL NOTES

- GENERAL PROVISIONS
 - THE CONTRACTOR SHALL PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR A COMPLETE SYSTEM SHALL BE INCLUDED.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS.
 - ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND THE LOCAL BUILDING CODES. ALL COMPONENTS SHALL BE U.L. APPROVED.
 - THE CONTRACTOR SHALL, BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
 - EXACT LOCATION OF ALL EQUIPMENT SHALL BE COORDINATED WITH NEXTEL, THE BUILDING OWNER AND OTHER TRADES.
 - WHERE EQUIPMENT IS SPECIFIED BY MANUFACTURER AND TYPE, SUBSTITUTION SHALL ONLY BE MADE WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT DETAILS OF PROPOSED MATERIALS, REASON FOR CHANGE AND CHANGE IN CONTRACT AMOUNT.
- SCOPE OF WORK
 - THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL WIRING AND EQUIPMENT UNLESS OTHERWISE INDICATED. MAIN COMPONENTS ARE AS FOLLOWS:
 - PROVIDE ELECTRICAL SERVICE AS INDICATED ON THE DRAWINGS.
 - PROVIDE SERVICE EQUIPMENT MOUNTED AS INDICATED ON DRAWINGS.
 - PROVIDE TELEPHONE CONDUIT WITH PULL WIRE AS INDICATED ON DRAWINGS.
 - COORDINATE ELECTRICAL SERVICE WITH POWER CO. CONTACT REP. BEFORE STARTING.
 - COORDINATE TELEPHONE SERVICE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
 - DEMO EXIST. LIGHT POLE AND RE-USE FIXTURES AS INDICATED ON DRAWINGS.
 - INSTALL WIRE AND CONDUIT AS INDICATED.
 - PROVIDE GROUNDING AND LPS AS INDICATED ON DRAWINGS.
 - RESTORE ALL AREAS TO ORIGINAL CONDITION AFTER INSTALLATION OF CONDUIT, CUT AND PATCH CONCRETE AND/OR ASPHALT AS REQUIRED.
 - CONTRACTOR SHALL CLEARLY LABEL DISCONNECTS, METERS, BREAKERS, TELEPHONE TERMINAL BOX AND OTHER RELATED GEAR.

3.0 CONDUIT

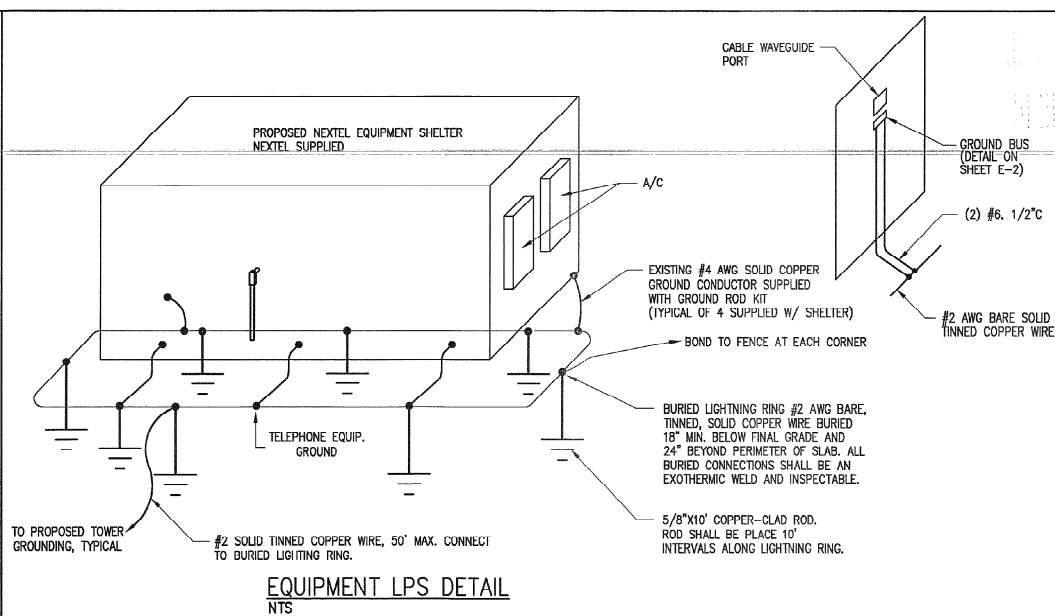
- CONDUIT SIZES AS SHOWN ON THE DRAWINGS ARE A MINIMUM. THE CONTRACTOR MAY INCREASE AS REQUIRED FOR EASE OF PULLING.
- CONDUIT TYPES AS FOLLOWS:
 - ALL ABOVE GRADE CONDUIT SHALL BE RIGID GALVANIZED STEEL.
 - ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC.
- ALL EXPOSED CONDUIT SHALL BE NEATLY INSTALLED AND RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS. SUPPORTS AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL. CONDUITS SHALL HAVE BURRS REMOVED WITH A REAMER. CONDUITS ENTERING CABINETS SHALL HAVE LOCK NUTS INSIDE AND OUT UNLESS ENTRANCE IS THREADED. NYLON INSULATED BUSHINGS SHALL BE USED ON ALL CONDUIT TERMINATIONS.
- FLEX CONDUIT SHALL BE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT.

4.0 CONDUCTORS

- CONDUCTORS SHALL BE STRANDED COPPER TYPE THIN OR XHHW WITH 75 DEGREE C RISE INSULATION OR AS INDICATED ON DRAWINGS.
- ALL RACEWAYS REQUIRE GROUNDING CONDUCTORS. BONDING CONDUCTORS THROUGH THE RACEWAY SYSTEM SHALL BE CONTINUOUS FROM MAIN SWITCH GROUND BUSES TO PANEL GROUND BARS, AND FROM PANEL GROUNDING BARS TO BRANCH CIRCUIT OUTLETS, MOTORS, LIGHTS, ETC. THESE GROUND CONDUCTORS ARE REQUIRED THROUGHOUT THE PROJECT REGARDLESS OF WHETHER CONDUIT RUNS SHOW GROUND CONDUCTORS ON THE DRAWINGS.

5.0 GROUNDING

- PROVIDE GROUND SYSTEM AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY THE NATIONAL ELECTRIC CODE AND RADIO EQUIPMENT MANUFACTURER.
- ALL RACEWAYS REQUIRE GROUNDING CONDUCTORS. BONDING CONDUCTORS THROUGH THE RACEWAY SYSTEM SHALL BE CONTINUOUS FROM MAIN SWITCH GROUND BUSES TO PANEL GROUND BARS, AND FROM PANEL GROUNDING BARS TO BRANCH CIRCUIT OUTLETS, MOTORS, LIGHTS, ETC. THESE GROUND CONDUCTORS ARE REQUIRED THROUGHOUT THE PROJECT REGARDLESS OF WHETHER CONDUIT RUNS SHOW GROUND CONDUCTORS ON THE DRAWINGS.



EQUIPMENT LPS DETAIL
NTS

LIGHTNING PROTECTION SYSTEM (LPS) NOTES:

- PROVIDE A LPS RING BURIED A MINIMUM OF 18" BELOW GRADE. THE LPS OTHERWISE RING SHALL BE INSTALLED 2'-0" AWAY FROM FOUNDATION (MINIMUM UNLESS SHOWN ON DRAWING).
- PROVIDED BRAIDED BONDING JUMPERS BETWEEN EACH GATE AND POST.
- BOND FENCE POST TO LPS RING USING AN EXOTHERMIC WELD. BOND FENCE GATE TO POST WITH A FLEXIBLE COPPER JUMPER STRAP MECHANICALLY OR EXOTHERMICALLY. TYPICAL FOR ALL FENCE PLANTS WITHIN 12 FEET OF TOWER FOUNDATION. FOR FENCE PLANTS BEYOND 12', EXTEND 1/2" TO EACH FENCE PLANT TO ANY PLANES WITHIN 50'.
- DISCONNECT SWITCH, METER, TELEPHONE CABINET AND SERVICE CONDUITS TO BE SEPARATELY BONDED TO 5/8"x10'-0" LONG GROUND ROD
- EACH LEG OF THE WAVEGUIDE STRUCTURE SHALL BE INDIVIDUALLY BONDED TO THE BURIED LPS RINGS AT THE TOWER AND SHELTER. EXOTHERMICALLY WELD CONNECTIONS AT POST FOR WAVEGUIDE STRUCTURE AND BURIED LPS RINGS. PLACE 5/8"x10' COPPERCLAD LPS ROD AT 10' INTERVALS ALONG WAVEGUIDE PATH.
- BOND REBAR IN CONCRETE FOR COMMUNICATION STRUCTURE AND EQUIPMENT PAD TO BURIED LPS RING. EXOTHERMICALLY WELD A #2 AWG TINNED SOLID COPPER CONDUCTOR TO THE REBAR AND CONNECT TO THE BURIED LPS RING.
- PROVIDE INSPECTION SLEEVE AT EACH BURIED LPS RING/GROUND ROD EXOTHERMIC CONNECTION AS SHOWN.
- PROVIDE BONDING CONDUCTOR(S) FROM THE BURIED LPS RING TO THE ANTENNA CABLE BUS BAR AT POINT JUST INSIDE OF THE COMMUNICATION STRUCTURE EXIT. VERIFY EXACT LOCATION OF COPPER BUS BAR FOR PROPER CONDUCTOR LENGTH. FINAL EXOTHERMIC WELDS TO COPPER BUS BAR BY THE ANTENNA CABLE INSTALLER.
- EXOTHERMICALLY WELD BONDING CONDUCTOR TO COMMUNICATION STRUCTURE LEG AT 1'-0" ABOVE PAD AND BOND TO BURIED LPS RING. PROVIDE A 3/4" PVC SLEEVE WITH A GRADUAL BEND IN THE CONCRETE FOUNDATION.
- 5/8"x10'-0" LONG COPPER CLAD LPS ROD. 10' SPACING BETWEEN RODS (NON-LINEAR). TYPICAL FOR ALL LPS RODS SHOWN. USE STAINLESS STEEL HARDWARE WHERE APPLICABLE.
- ELECTRICAL CONTRACTOR SHALL TAKE MEGER READINGS OF LPS. THE RESULTS SHALL NOT BE GREATER THAN 5 OHMS.
- ALL CONNECTIONS TO LPS SYSTEM SHALL BE MADE IN LINE WITH BENDS NOMINAL 12" RADIUS IN THE DIRECTION OF CURRENT FLOW. T-CONNECTIONS WILL NOT BE ALLOWED.
- ALL BENDS IN LPS WIRES SHALL BE NOMINAL 12" RADIUS.
- ANTENNA CABLES SHALL BE BONDED AT EACH END. RUNS GREATER THAN 150' SHALL BE BONDED TOWARDS MIDDLE OF LENGTH. COORDINATE LOCATION WITH NEXTEL'S PROJECT MANAGER.
- EXISTING TOWER GROUND RING EXACT LOCATION IS UNKNOWN. CONTRACTOR TO LOCATE AND IDENTIFY PRIOR TO CONNECTION OF BONDING CONDUCTORS. HANG DIG ONLY IN INVESTIGATION.

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
1-800-432-4770

SUNSHINE STATE ONE CALL OF FLORIDA, INC.



C&W engineering

ELECTRICAL CONSULTANTS
2326 S. CONGRESS AVE., SUITE 1F
WEST PALM BEACH, FL 33406
(561) 842-3333

REGISTRATION NUMBERS

C & W ENGINEERING EB0006245
DALE G. WALKER ELECTRICAL PE 36914
CHARLES DERI ELECTRICAL PE 17774

NEXTEL COMMUNICATIONS

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SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400



Kimley-Horn and Associates, Inc.
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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
PHONE: (561) 845 0665

REGISTRATION NUMBERS

KIMLEY HORN & ASSOC'S., INC.	EB0000696
DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

REVISIONS

NO.	DATE	DESCRIPTION
Δ	2/19/01	480V SERVICE
Δ	5/21/01	SHELTER/ SVC. UPGRADE

APPROVALS

PROJECT MANAGER	DATE: _____
NEXTEL REF:	DATE: _____
PROPERTY OWNER	DATE: _____

**ANTENNA INSTALLATION
AT WINSTON PARK
FL 3672A**

SCALE: AS SHOWN
DESIGNED BY: JLR
DRAWN BY: GH
APPROVED BY: DCW
DATE: MAY 2001

KHA PROJECT NUMBER

044201071

DRAWING NUMBER

E-1

SHEET TITLE
ELETRICAL SITE PLAN

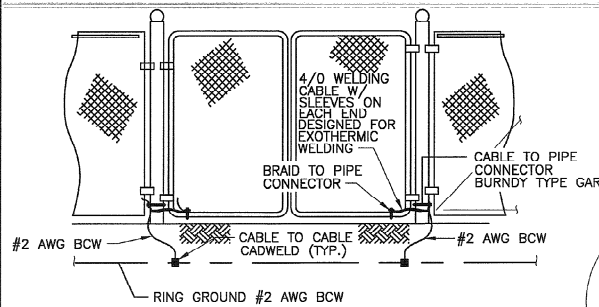
SHEET NUMBER

16

OF

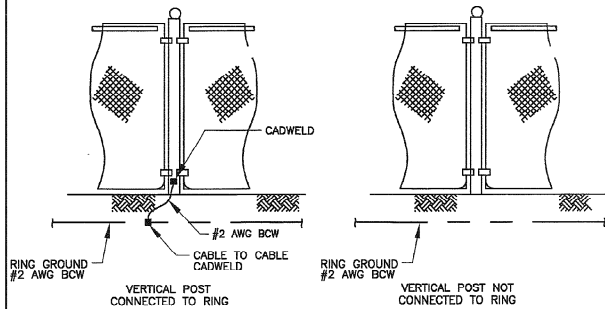
17

NOTE: WELDING CABLE SHALL BE ATTACHED SO THAT IT WILL NOT BE SUBJECTED TO DAMAGING STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION



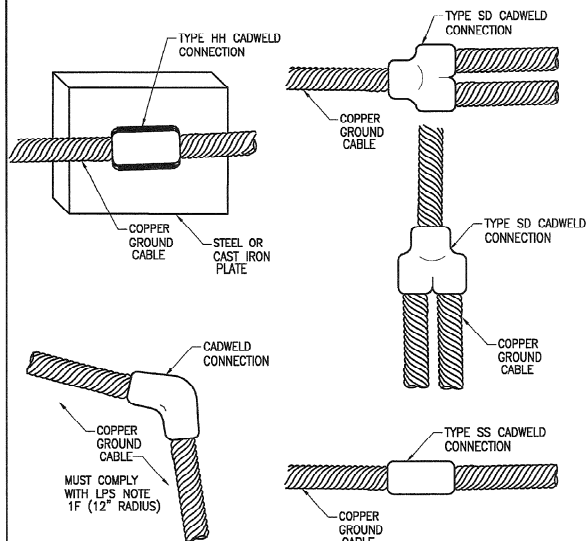
NOTE:
1. THE #2 AWG, BCW, FROM THE RING GROUND SHALL BE CADWELDED TO THE POST, ABOVE GRADE.

FENCE GATE GROUNDING NTS

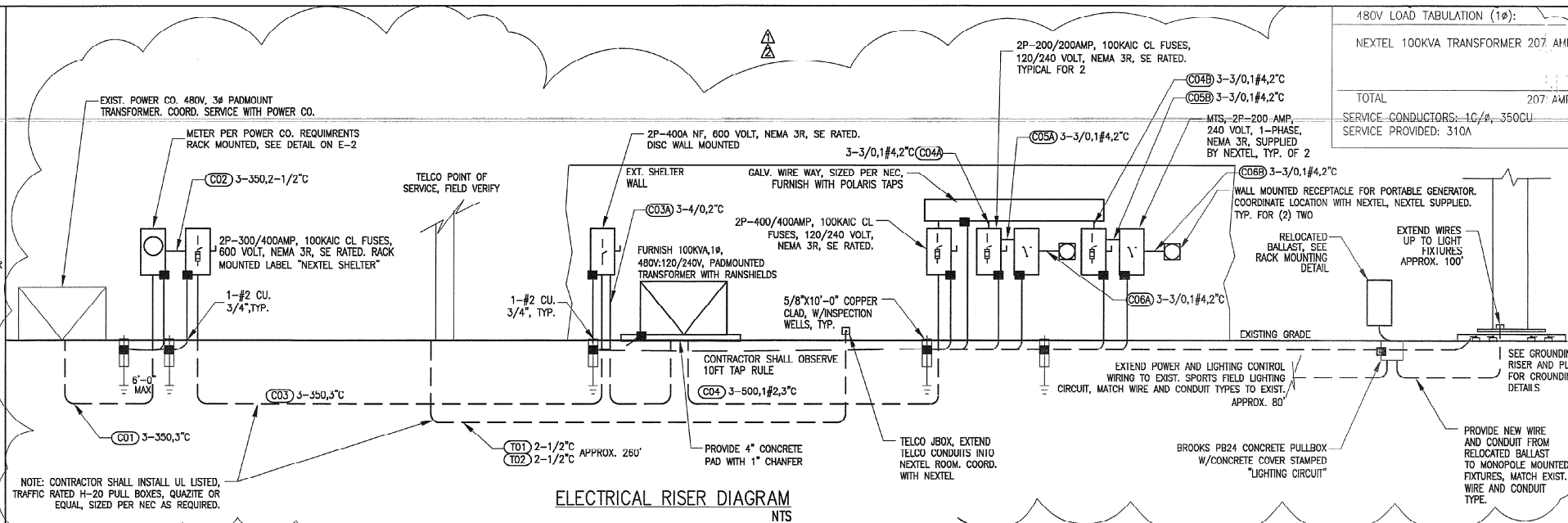


GROUNDING - STANDARD DETAIL PROPOSED FENCE GROUNDING

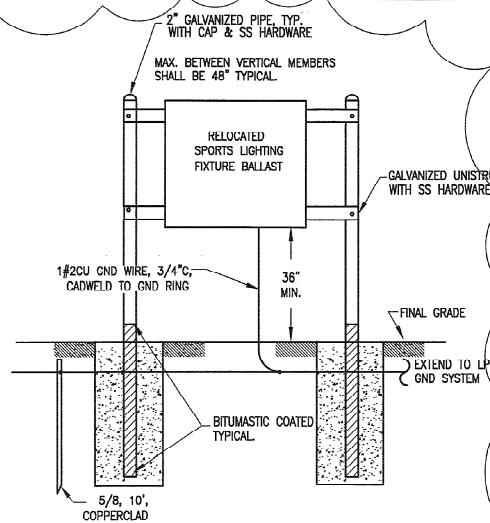
NOTE:
1. VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST. AS A MINIMUM, ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FOOT STRAIGHT RUN OF FENCE.
2. HORIZONTAL POLES SHALL BE BONDED TO EACH OTHER.



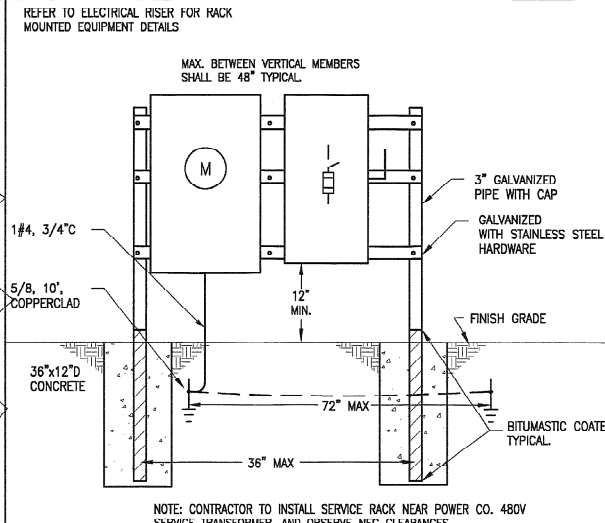
TYPICAL CAD-WELD GROUND CONNECTION DETAILS NTS



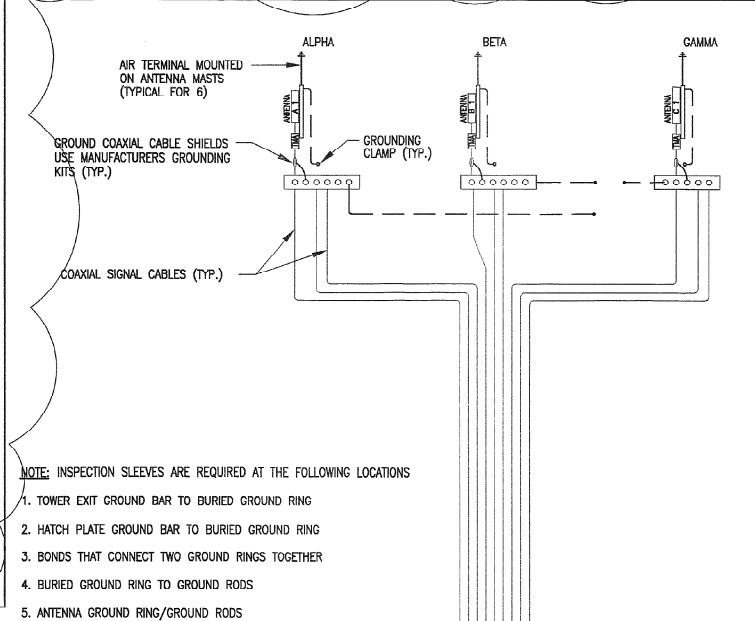
ELECTRICAL RISER DIAGRAM NTS



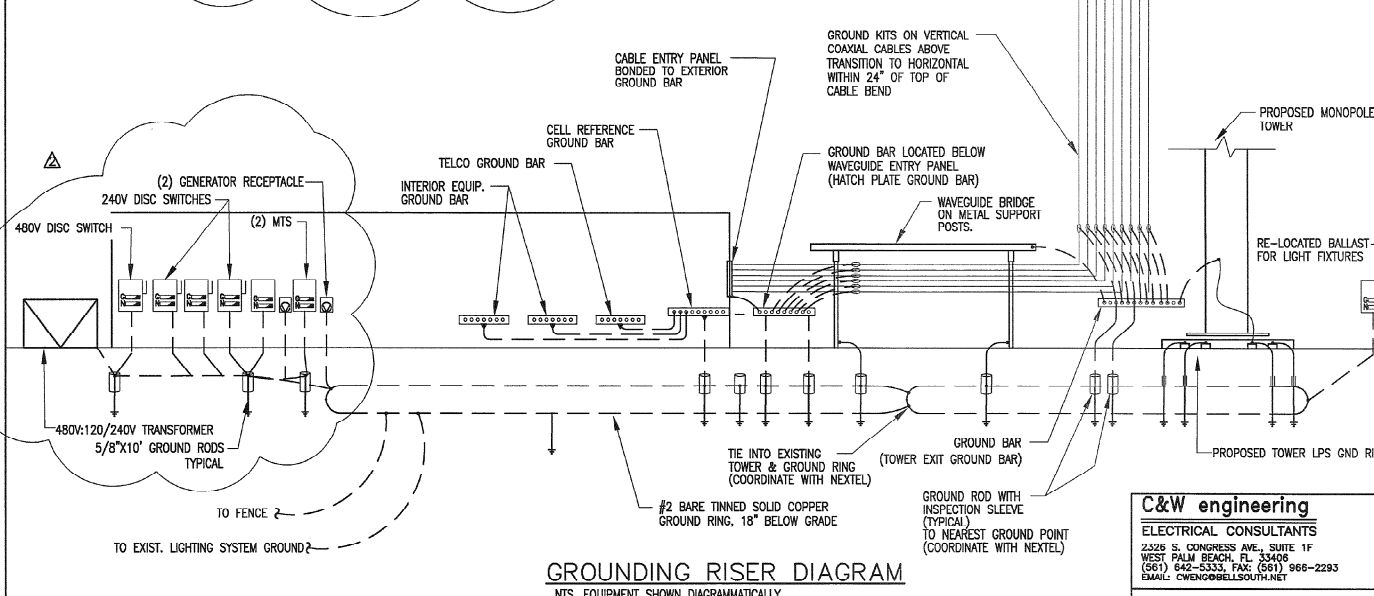
RACK FOR FIXTURE BALLAST NTS



480V MAIN ELECTRICAL METER RACK DETAIL NTS



NOTE: INSPECTION SLEEVES ARE REQUIRED AT THE FOLLOWING LOCATIONS
1. TOWER EXIT GROUND BAR TO BURIED GROUND RING
2. HATCH PLATE GROUND BAR TO BURIED GROUND RING
3. BONDS THAT CONNECT TWO GROUND RINGS TOGETHER
4. BURIED GROUND RING TO GROUND RODS
5. ANTENNA GROUND RING/GROUND RODS



GROUNDING RISER DIAGRAM NTS, EQUIPMENT SHOWN DIAGRAMMATICALLY

480V LOAD TABULATION (10):

NEXTEL 100KVA TRANSFORMER 207 AMPS
TOTAL 207 AMPS
SERVICE CONDUCTORS: 1C/4, 350CU
SERVICE PROVIDED: 310A

NEXTEL COMMUNICATIONS
6700 N. ANDREWS AVENUE
SUITE 700
FT. LAUDERDALE, FLORIDA 33309
(954) 275-2400

Kimley-Horn and Associates, Inc.
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4431 EMBARCADERO DRIVE, WEST PALM BEACH, FL 33407
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REGISTRATION NUMBERS

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DAVID STEWART	PE 31180
CHARLES GEER	PE 31435
KIRK DROST	PE 51910
RUSSELL MORRISON	PE 51567

REVISIONS

NO.	DATE	DESCRIPTION
1	2/19/01	480V SERVICE
2	5/21/01	SHELTER/ SVC. UPGRADE

APPROVALS

PROJECT MANAGER	DATE:
NEXTEL RF:	DATE:
PROPERTY OWNER	DATE:

ANTENNA INSTALLATION AT WINSTON PARK FL3672A

SCALE: AS SHOWN

DESIGNED BY: JLR
DRAWN BY: GH
APPROVED BY: DGW
DATE: MAY 2001

KHA PROJECT NUMBER
044201071
DRAWING NUMBER
E-2
SHEET TITLE
ELETRICAL RISER & DETAILS

SHEET NUMBER
17 OF 17

C&W engineering
ELECTRICAL CONSULTANTS
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WEST PALM BEACH, FL 33411
(561) 642-5333, FAX: (561) 966-2293
EMAIL: CWN@BELLNORTH.NET

REGISTRATION NUMBERS
C & W ENGINEERING EB0006245
DALE G. WALKER ELECTRICAL PE 36914
CHARLES DERI ELECTRICAL PE 17774




P.O.B.	- DENOTES	POINT OF BEGINNING
P.O.C.	- DENOTES	POINT OF COMMENCEMENT
P.O.T.	- DENOTES	POINT OF TERMINATION
L.B.	- DENOTES	LICENSED BUSINESS
CONC.	- DENOTES	CONCRETE
(TYP.)	- DENOTES	TYPICAL
(P.)	- DENOTES	DIMENSION TAKEN FROM PLAT
B.C.R.	- DENOTES	BROWARD COUNTY RECORDS
P.B.C.R.	- DENOTES	PALM BEACH COUNTY RECORDS
P.B.	- DENOTES	PLAT BOOK
PG.	- DENOTES	PAGE
C.B.S.	- DENOTES	CONCRETE BLOCK & STUCCO
F.P.L.	- DENOTES	FLORIDA POWER & LIGHT CO.
R/W	- DENOTES	RIGHT-OF-WAY
R	- DENOTES	RADIUS
D	- DENOTES	DELTA (CENTRAL) ANGLE
A	- DENOTES	ARC LENGTH
E	- DENOTES	CENTERLINE
17-20	- DENOTES	SPOT ELEVATION

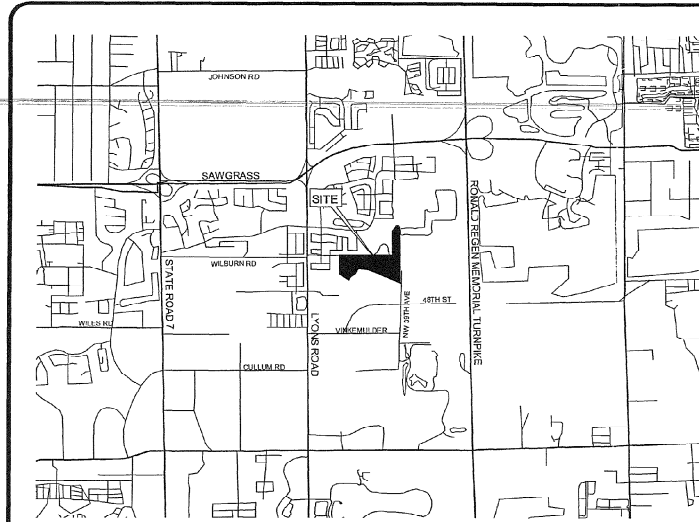
FLOOD ZONE	X
BASE FLOOD ELEVATION	N/A
MAP NO.	12011C0115 F
COMMUNITY NO.	120031
PANEL NO.	0115
SUFFIX	F
DATE OF FIRM	AUGUST 18, 1992

NAD 1927 VALUE
LATITUDE = 26°17'34.06" NORTH
LONGITUDE = 80°10'37.68" WEST
NAD 1983 VALUE
LATITUDE = 26°17'35.35" NORTH
LONGITUDE = 80°10'36.84" WEST
GROUND ELEVATION = 13.3 N.G.V.D. '29

DATE OF LAST FIELD WORK: MAY 18, 2001



NOT VALID WITHOUT ENERGISED SURVEYORS SEAL	REVISIONS: A 5/30/01 REVISED LEASE SITE SIZE AND CONFIGURATION AND LEGAL DESCRIPTIONS
	BOUNDARY AND TOPOGRAPHIC SURVEY OF LEASE SITE FOR: NEXTEL SITE FL-3672-B, TP/WINSTON PARK BROWARD COUNTY, FLORIDA
	W.L.FISH & COMPANY⁴ PROFESSIONAL SURVEYORS AND MAPPERS 105 S. Narcissus Ave., Suite 712, West Palm Beach, Florida 33411 Phone: (561)833-5001 Fax: (561)559-6745 E-mail: mappers@wlfish.com
	
DRAWN: M. LA TOUR	CHECKED: W. L. FISH
DATE: 05/18/2001	JOB NO. 2000-284A
SHEET NO. 2 OF 17	



LOCATION MAP

NOT TO SCALE

LEGEND:

- P.O.B. - DENOTES POINT OF BEGINNING
- P.O.C. - DENOTES POINT OF COMMENCEMENT
- P.O.T. - DENOTES POINT OF TERMINATION
- C.B.S. - DENOTES CONCRETE BLOCK & STUCCO
- C.B.S. - DENOTES CONCRETE BLOCK & STUCCO
- (TYP.) - DENOTES TYPICAL
- (P.) - DENOTES DIMENSION TAKEN FROM PLAT
- P.B.C.R. - DENOTES PALM BEACH COUNTY RECORDS
- P.B. - DENOTES PLAT BOOK
- P.C. - DENOTES PAGE
- C.B.S. - DENOTES CONCRETE BLOCK & STUCCO
- F.P.L. - DENOTES FLORIDA POWER & LIGHT CO.
- R/W - DENOTES RIGHT-OF-WAY
- R - DENOTES RADIUS
- D - DENOTES DIAMETER (CENTRAL) ANGLE
- N - DENOTES ARC LENGTH
- C - DENOTES CENTERLINE
- ± - DENOTES SPOT ELEVATION

FLOOD ZONE DATA:

FLOOD ZONE X
BASE FLOOD ELEVATION N/A
MAP NO. 12011C0115 F
COMMUNITY NO. 120031
PANEL NO. 0115
SUFFIX F
DATE OF FIRM AUGUST 16, 1992

"2C" COORDINATE DATA:

NOTE: AS-BUILT TOWER POSITION

NAD 1927 VALUE
LATITUDE = 26°17'34.04" NORTH
LONGITUDE = 80°10'37.73" WEST

NAD 1983 VALUE
LATITUDE = 26°17'35.33" NORTH
LONGITUDE = 80°10'36.89" WEST
GROUND ELEVATION = 15.5 N.G.V.D. '29

PARENT TRACT LEGAL DESCRIPTION:

ALL OF TRACT "B" AND THAT CERTAIN 100 FOOT CANAL RIGHT-OF-WAY AS SHOWN ON WINSTON PARK SECTION TWO, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, AND A PORTION OF PARCEL "C" AS SHOWN ON BANYAN TRAILS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, TOGETHER WITH ALL OF PARCEL "B", COCO LAKES, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 155, PAGE 25 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, TOGETHER WITH A PORTION OF THAT CERTAIN 15 FOOT ROAD RESERVATION AS VACATED BY OFFICIAL RECORDS BOOK 15490, PAGE 4 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, TOGETHER WITH A PORTION OF THAT CERTAIN ROAD RESERVATION AS SHOWN ON THE PLAT OF PALM BEACH FARMS COMPANY PLAT NO. 3, AS RECORDED IN PLAT BOOK 3, PAGES 45 THROUGH 54 (INCLUSIVE) OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: SEE NOTE BELOW

BEGINNING AT THE SOUTHEAST CORNER OF SAID PARCEL "B", ALSO BEING THE NORTHEAST CORNER OF SAID PARCEL "E", THENCE SOUTH 00°50'22" EAST, A DISTANCE OF 1078.85 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 645.00 FEET AND A CENTRAL ANGLE OF 25°44'49", A DISTANCE OF 289.84 FEET; THENCE NORTH 70°24'00" WEST, NON-RADIAL TO THE LAST DESCRIBED CURVE, A DISTANCE OF 230.41 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE LEFT; THENCE WESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 491.00 FEET AND A CENTRAL ANGLE OF 37°00'00", A DISTANCE OF 317.09 FEET; THENCE NORTH 167°59'30" WEST, NON-RADIAL TO THE LAST DESCRIBED CURVE, A DISTANCE OF 744.70 FEET; THENCE NORTH 62°29'16" WEST, A DISTANCE OF 84.84 FEET; THENCE NORTH 81°03'06" WEST, A DISTANCE OF 202.30 FEET; THENCE SOUTH 42°05'10" WEST, A DISTANCE OF 314.85 FEET; THENCE NORTH 83°04'00" WEST, A DISTANCE OF 145.88 FEET; THENCE SOUTH 28°19'25" WEST, A DISTANCE OF 120.00 FEET; THENCE SOUTH 22°09'35" WEST, A DISTANCE OF 220.00 FEET; THENCE SOUTH 38°30'04" WEST, A DISTANCE OF 119.84 FEET; THENCE NORTH 57°20'08" WEST, ALONG THE SOUTHWEST BOUNDARY OF SAID PARCEL "E" AND THE SOUTHEASTERLY PROJECTION THEREOF, A DISTANCE OF 403.86 FEET TO THE SOUTHEAST CORNER OF LOT 54 OF SAID WINSTON PARK SECTION TWO; THENCE NORTH 00°24'54" WEST, ALONG THE EAST BOUNDARY OF SAID LOT 54 AND THE NORTHERLY PROJECTION THEREOF, ALSO BEING ALONG THE WEST BOUNDARY OF SAID PARCEL "E", A DISTANCE OF 874.88 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "E"; THENCE NORTH 88°37'06" EAST, ALONG THE NORTH BOUNDARY OF SAID PARCEL "E" AND CONTINUING ALONG THE NORTH BOUNDARY OF SAID PARCEL "D", A DISTANCE OF 1815.69 FEET TO THE INTERSECTION WITH THE SOUTHERLY PROJECTION OF THE WEST BOUNDARY OF SAID TRACT "B"; THENCE NORTH 00°50'22" WEST, ALONG SAID SOUTHERLY PROJECTION, A DISTANCE OF 15.00 FEET TO THE SOUTH WEST CORNER OF SAID TRACT "B"; THENCE CONTINUE NORTH 00°50'22" WEST ALONG SAID WEST BOUNDARY OF TRACT "B", A DISTANCE OF 872.34 FEET TO A POINT ON THE SOUTHEAST RIGHT-OF-WAY OF WINSTON PARK BOULEVARD AS SHOWN ON SAID WINSTON PARK SECTION TWO; THE RADIAL POINT OF THE NEXT DESCRIBED CURVE BEARS NORTH 43°47'21" WEST FROM SAID POINT; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, ALSO BEING ALONG SAID WINSTON PARK BOULEVARD RIGHT-OF-WAY, HAVING A RADIUS OF 630.00 FEET AND A CENTRAL ANGLE OF 00°13'39", A DISTANCE OF 2.50 FEET; THENCE NORTH 00°02'27" EAST, NON-TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 64.27 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY, ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 25.00 FEET AND A CENTRAL ANGLE OF 69°10'28", A DISTANCE OF 25.82 FEET TO A POINT OF REVERSE CURVATURE; THENCE SOUTHEASTERLY, EASTERLY AND NORTHEASTERLY, ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 90.00 FEET AND A CENTRAL ANGLE OF 72°52'31", A DISTANCE OF 114.47 FEET TO A POINT OF REVERSE CURVATURE; THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY, ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 270.00 FEET AND A CENTRAL ANGLE OF 38°10'07", A DISTANCE OF 16.71 FEET TO THE POINT OF TANGENCY; THENCE NORTH 84°38'41" EAST, A DISTANCE OF 119.16 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "B"; THE RADIAL POINT OF THE NEXT DESCRIBED CURVE BEARS SOUTH 08°30'01" WEST FROM SAID CORNER; THENCE EASTERLY SOUTHEASTERLY AND SOUTHERLY, ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 270.00 FEET AND A CENTRAL ANGLE OF 80°38'37", A DISTANCE OF 378.87 FEET TO THE POINT OF TANGENCY; THENCE SOUTH 00°50'22" EAST, A DISTANCE OF 339.95 FEET TO THE POINT OF BEGINNING, THE LAST TWO (2) DESCRIBED COURSES BEING ALONG THE WESTERLY BOUNDARY OF N.W. 39TH AVENUE AS SHOWN ON SAID COCO LAKES PLAT.

*NOTE: PARCEL "D", BANYAN TRAILS, PLAT BOOK 154, PAGE 3 AS RECORDED IN THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, WAS NOT INCLUDED IN DESCRIPTION CAPTION AND SHOULD BE.

CONTAINING 54.168 ACRES, MORE OR LESS.

NEXTEL LEASE SITE LEGAL DESCRIPTION:

A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF PARCEL "E" OF SAID BANYAN TRAILS; THENCE SOUTH 00°50'22" EAST, ALONG THE EAST LINE OF SAID PARCEL "E", SAID EAST LINE ALSO BEING THE WEST RIGHT-OF-WAY LINE OF N.W. 39TH AVENUE, A DISTANCE OF 440.30 FEET; THENCE SOUTH 88°08'48" WEST, A DISTANCE OF 269.95 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED NEXTEL LEASE SITE:

THENCE NORTH 60°44'49" WEST, A DISTANCE OF 48.00 FEET; THENCE NORTH 20°16'11" EAST, A DISTANCE OF 14.34 FEET; THENCE NORTH 80°09'42" EAST, A DISTANCE OF 11.28 FEET; THENCE SOUTH 60°44'49" EAST, A DISTANCE OF 29.77 FEET; THENCE SOUTH 00°50'18" EAST, A DISTANCE OF 16.88 FEET; THENCE SOUTH 29°15'11" WEST, A DISTANCE OF 5.40 FEET, TO THE POINT OF BEGINNING.

CONTAINING 871 SQUARE FEET OR 0.0200 ACRES, MORE OR LESS.

NEXTEL ACCESS EASEMENT LEGAL DESCRIPTION:

A STRIP OF LAND 20.00 FEET IN WIDTH, FOR ACCESS EASEMENT PURPOSES, SAID STRIP LYING WITHIN A PORTION OF PARCEL "D" OF BANYAN TRAILS, AS RECORDED IN PLAT BOOK 154, PAGE 3 OF THE PUBLIC RECORDS OF BROWARD COUNTY, A PORTION OF TRACT "B" AND THAT CERTAIN 100 FOOT CANAL RIGHT-OF-WAY AS SHOWN ON WINSTON PARK SECTION TWO, AS RECORDED IN PLAT BOOK 136, PAGE 1, OF SAID PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, A PORTION OF A 25 FOOT RIGHT-OF-WAY, AS SHOWN ON THE PLAT OF PALM BEACH FARMS COMPANY'S PLAT NO. 2, PLAT BOOK 2, PAGES 45 THROUGH 54, INCLUSIVE, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, AND A PORTION OF PARCEL "B", COCO LAKES, AS RECORDED IN PLAT BOOK 155, PAGE 25, OF SAID PUBLIC RECORDS OF BROWARD COUNTY; THE SIDELINES OF SAID ACCESS EASEMENT LYING 10.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCE AT THE SOUTHEASTERLY CORNER (POINT OF BEGINNING) OF THE PREVIOUSLY DESCRIBED NEXTEL LEASE SITE; THENCE NORTH 80°44'49" WEST, ALONG THE SOUTHWESTERLY LINE OF SAID NEXTEL LEASE SITE, A DISTANCE OF 48.00 FEET; THENCE NORTH 20°16'11" EAST, ALONG THE NORTHWESTERLY LINE OF SAID NEXTEL LEASE SITE, A DISTANCE OF 14.34 FEET, TO THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED CENTERLINE:

THENCE NORTH 80°44'49" WEST, DEPARTING SAID NORTHWESTERLY LINE, A DISTANCE OF 2.00 FEET; THENCE NORTH 00°55'40" WEST, A DISTANCE OF 46.78 FEET; THENCE NORTH 89°56'49" WEST, A DISTANCE OF 117.75 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTHEAST AND HAVING A RADIUS OF 15.00 FEET; THENCE WESTERLY, NORTHWESTERLY AND NORTHERLY, 23.31 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 90°03'24", TO A POINT OF TANGENCY; THENCE NORTH 00°53'46" WEST, A DISTANCE OF 113.72 FEET, TO THE BEGINNING OF A CURVE, CONCAVE TO THE SOUTHWEST, AND HAVING A RADIUS OF 15.00 FEET; THENCE NORTHERLY, NORTHWESTERLY AND WESTERLY, 23.68 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 90°03'24", TO A POINT OF TANGENCY; THENCE SOUTH 89°02'50" WEST, A DISTANCE OF 59.57 FEET; THENCE NORTH 00°43'08" WEST, A DISTANCE OF 112.75 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST AND HAVING A RADIUS OF 15.00 FEET; THENCE NORTHERLY, NORTHEASTERLY AND EASTERLY, 23.68 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 90°03'24", TO A POINT OF TANGENCY; THENCE NORTH 88°40'56" EAST, A DISTANCE OF 114.38 FEET, TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST AND HAVING A RADIUS OF 175.00 FEET; THENCE EASTERLY AND SOUTHEASTERLY, 89.74 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 28°22'51", TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE TO THE NORTHEAST, AND HAVING A RADIUS OF 175.00 FEET; THENCE SOUTHEASTERLY AND EASTERLY, 88.27 FEET, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 28°53'58", TO A POINT OF TANGENCY; THENCE NORTH 89°04'48" EAST, A DISTANCE OF 46.82 FEET, TO A POINT ON THE EASTERLY LINE OF SAID PARCEL "B", COCO LAKES AND THE POINT OF TERMINATION OF SAID CENTERLINE.

NOTES:

- NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- NO ABSTRACT OF THE PUBLIC RECORDS FOR EASEMENTS OR RIGHTS-OF-WAY WAS PROVIDED TO OR CONDUCTED BY THIS OFFICE. BENCHMARK USED: THE BENCHMARK USED IS A BROWARD COUNTY ENGINEERING DIVISION BENCHMARK NO. 2754, WHICH IS A STANDARD BRASS CAP STAMPED BM 4280 IN STANDARD 36" X 4" CONCRETE MONUMENT, 41 SOUTH OF CENTERLINE VINCKELMULDER ROAD AND 65 EAST OF EAST PAVEMENT NORTHWEST 39TH AVENUE (UNDER TRADEWINDS PARK SIGN). CENTERLINE ELEVATION BY THE BROWARD COUNTY ENGINEERING DIVISION IS ELEVATION 15.131 N.G.V.D. 1929.
- THIS SKETCH REPRESENTS A BOUNDARY SURVEY OF THE NEXTEL LEASE SITE ONLY.
- ABOVE GROUND IMPROVEMENTS HAVE BEEN LOCATED ONLY AS SPECIFIED BY NEXTEL AND SUBCONTRACTORS.
- BEARINGS SHOWN HEREON ARE BASED ON A GRID BEARING OF NORTH 02°18'16" WEST BETWEEN POINT 607 AND 608 OF THE EASTERN BROWARD COUNTY HORIZONTAL GPS CONTROL NETWORK (NAD83/90). THE GRID BEARING NOTED ABOVE IS BASED UPON STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 (1980 ADJUSTMENT), FLORIDA EAST ZONE, TRANSVERSE MERCATOR PROJECTION AS PROVIDED BY THE BROWARD COUNTY ENGINEERING DIVISION, SURVEY SECTION.
- THE SURVEY INFORMATION FOR THE PARENT TRACT, AS SHOWN HEREON, IS BASED UPON A BOUNDARY, TOPOGRAPHIC AND TREE SURVEY BY CRAVEN - THOMPSON & ASSOCIATES, INC. FOR SARAL PINES PARK, PROJECT NO. 88-0046. NOTE: BEARINGS FROM SAID SURVEY ARE BASED UPON A BEARING OF SOUTH 00°50'22" EAST ALONG THE EASTERLY BOUNDARY OF PARCEL "E", AS SHOWN HEREON, WITH A GRID BEARING OF SOUTH 00°50'12" EAST. THE REFERENCED SURVEY BEARINGS ARE ROTATED 00°00'10" COUNTER CLOCKWISE FROM THE GRID BEARINGS SHOWN HEREON.
- BEARING EQUATION: SOUTH 00°50'22" EAST (GRID BEARING - W. L. FISH & COMPANY, INC.)

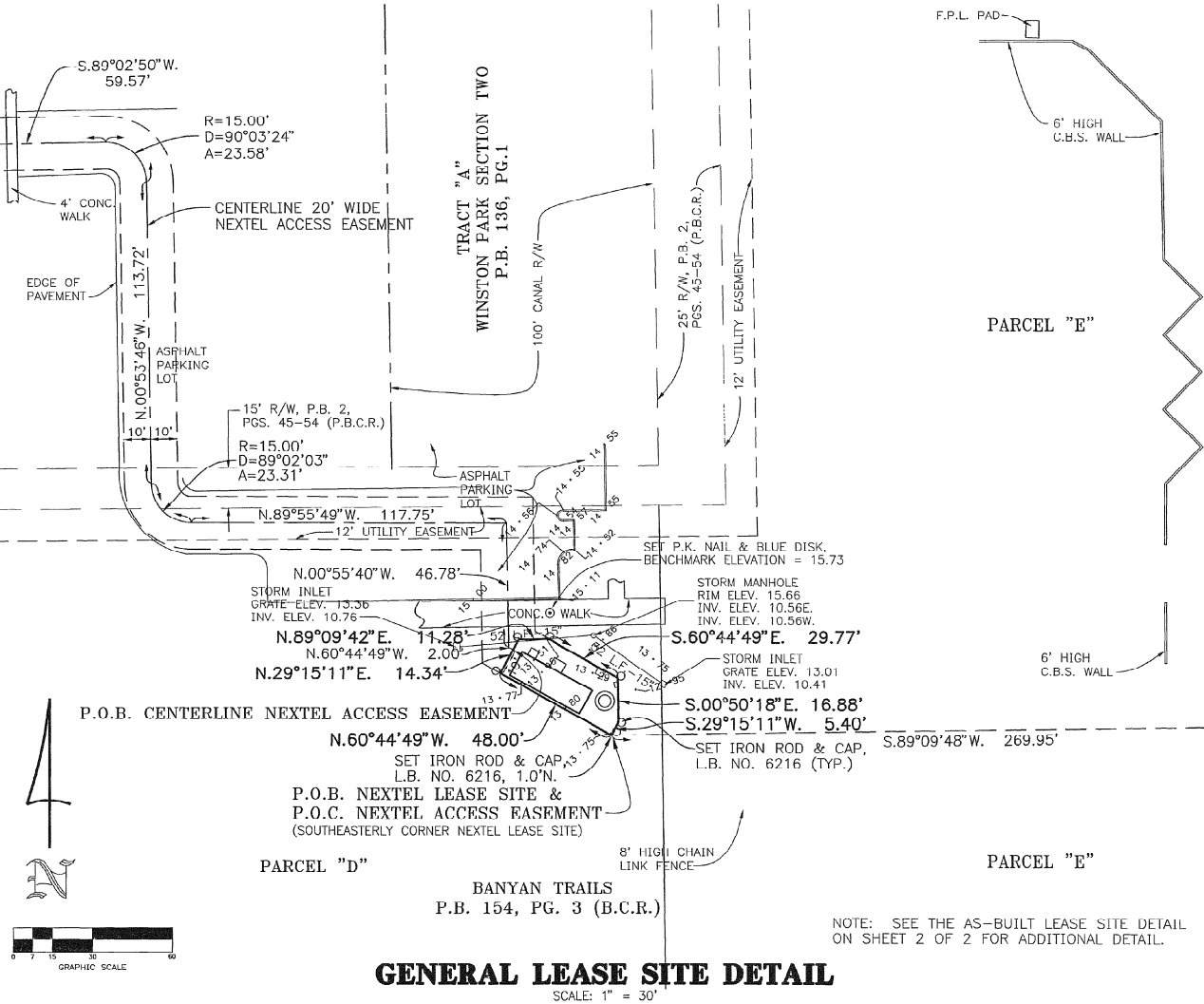
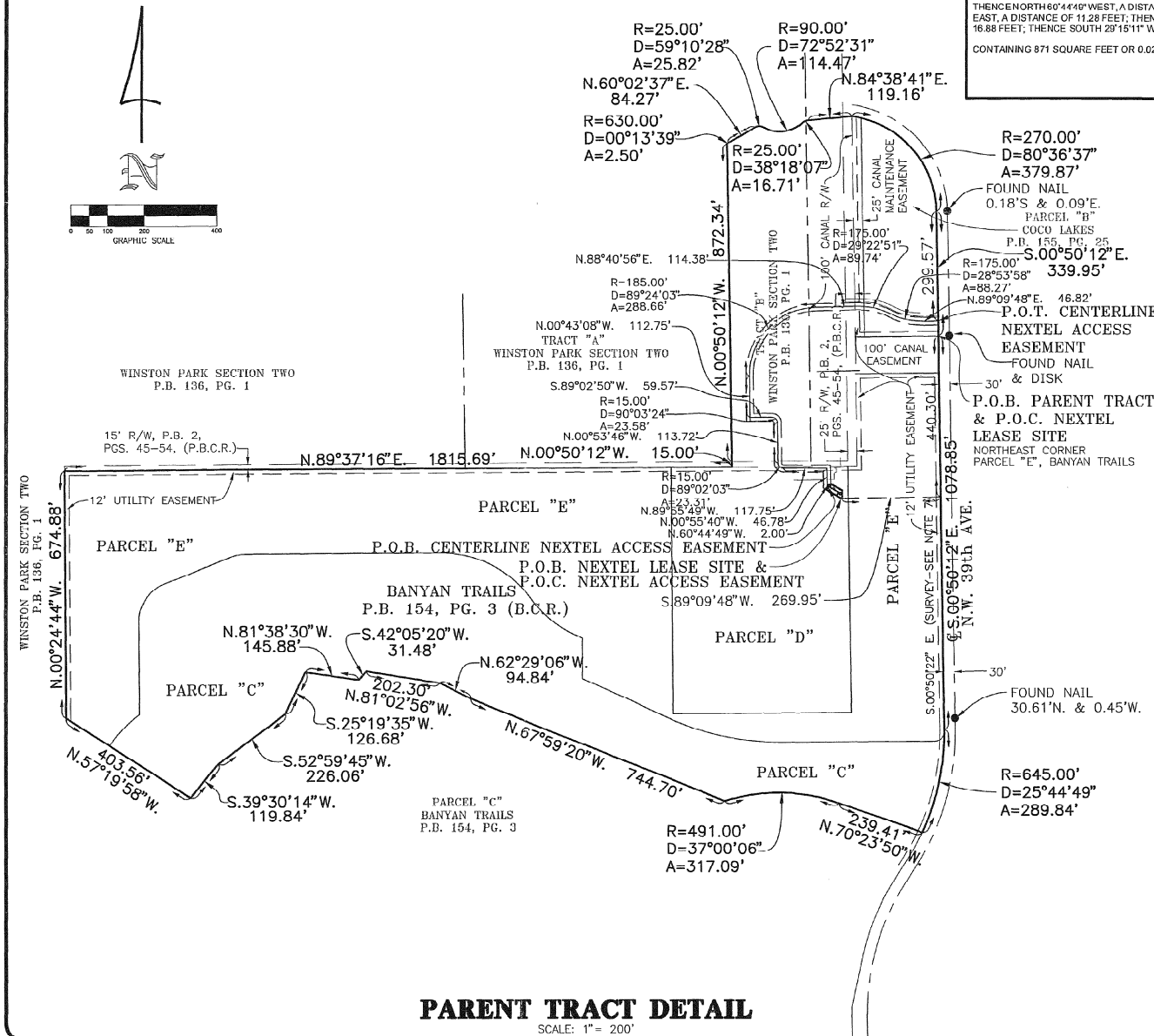
CERTIFICATION:

I HEREBY CERTIFY THAT THE FINAL AS-BUILT SURVEY SHOWN HEREON MEETS THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 15C17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES.

W. L. FISH & COMPANY, INC.

BY: W. L. FISH & COMPANY, INC.
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA STATE REG. NO. 3230

DATE OF LAST FIELD WORK: APRIL 2, 2002



REVISIONS:
A 5/30/01 REVISED LEASE SITE SIZE AND CONFIGURATION AND LEGAL DESCRIPTIONS
B 04/02/02 PREPARED FINAL AS-BUILT SURVEY AND ADDED SHEET 2 OF 2

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

W. L. FISH & COMPANY, INC.
PROFESSIONAL SURVEYORS AND MAPPERS
105 S. NEARDISSA AVE., SUITE 712, WEST PALM BEACH, FLORIDA 33401
PHONE: (561) 853-5001 FAX: (561) 859-6745
E-MAIL: mappers@wlfish.com

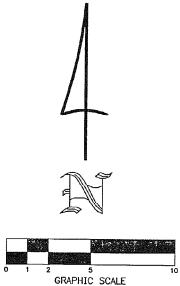
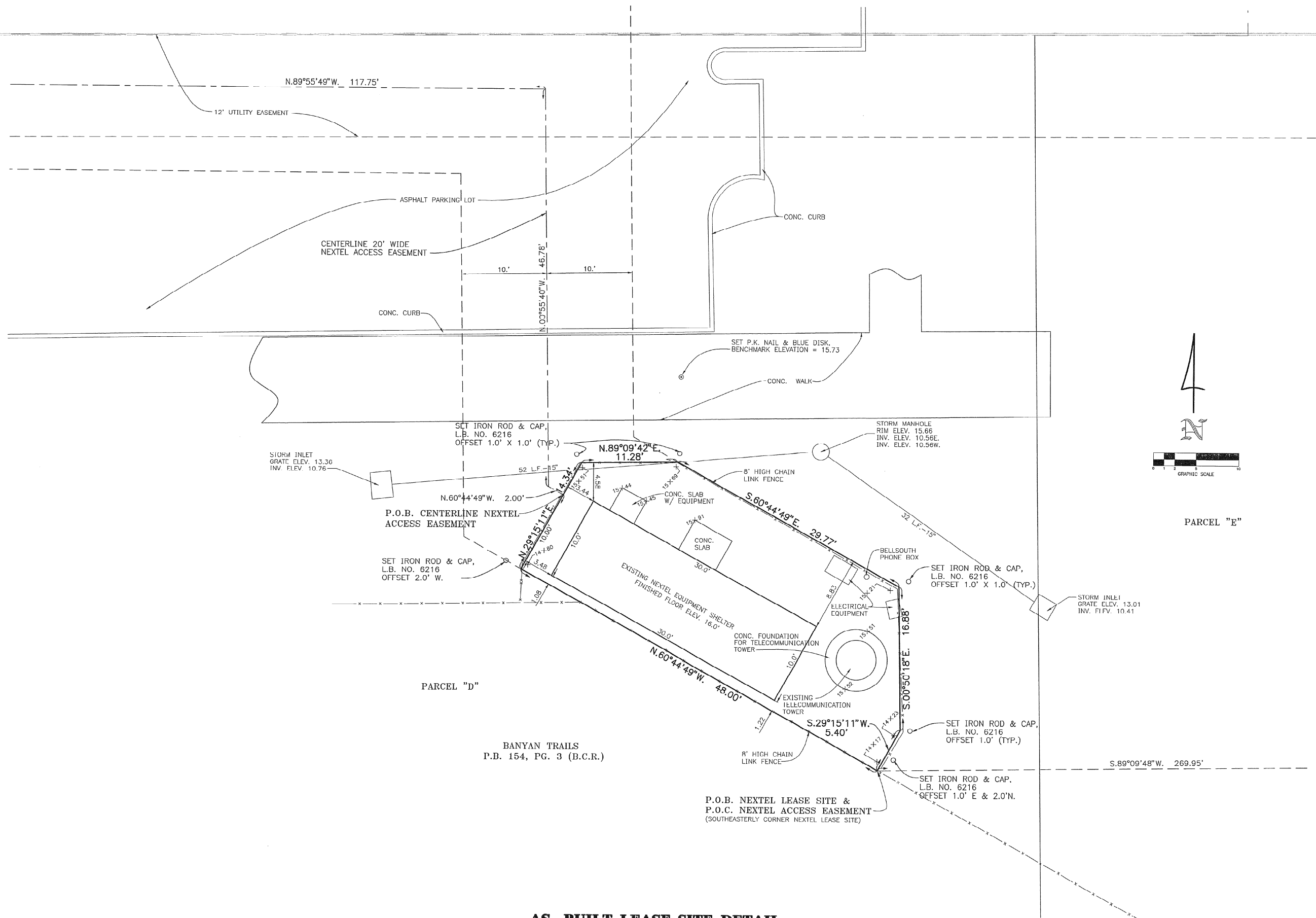
DRAWN:
M. LA TOUR

CHECKED:
W. L. FISH

DATE:
04/02/2002

JOB NO.
2000-284C

SHEET NO.
1 OF 2



PARCEL "E"

PARCEL "D"

BANYAN TRAILS
P.B. 154, PG. 3 (B.C.R.)

P.O.B. NEXTEL LEASE SITE &
P.O.C. NEXTEL ACCESS EASEMENT
(SOUTHEASTERLY CORNER NEXTEL LEASE SITE)

AS- BUILT LEASE SITE DETAIL

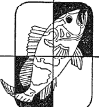
SCALE: 1" = 5'

REVISIONS:

NOT VALID WITHOUT
EMBOSSED SURVEYORS' SEAL

FINAL AS-BUILT SURVEY OF
LEASE SITE FOR:
NEXTEL SITE FL-3672-B,
TP/WINSTON PARK
BROWARD COUNTY, FLORIDA

W.L. FISH & COMPANY
PROFESSIONAL SURVEYORS AND MAPPERS
105 S. Meridian Ave., Suite 712, West Palm Beach, Florida 33401
Phone: (561)859-6001 Fax: (561)859-6745
E-mail: wlfish.com



DRAWN:

M. I.A. TOUR

CHECKED:

W. L. FISH

DATE:

04/02/2002

JOB NO.

2000-284C

SHEET NO.

2 OF 2