

Final Plans



2.5 MM OVERLAY ON NETWORK
VISION (REGIONAL PROGRAM)
EQUIPMENT DEPLOYMENT

PH80XC106

S.U.S.D. DESERT MTN.
HIGH LIGHT STANDARD

12575 E. VIA LINDA
SCOTTSDALE, AZ 85259
LATITUDE: 33.58682222
LONGITUDE: -111.80896111
PHOENIX MARKET

SHEET	DESCRIPTION
T-1	TITLE SHEET, VICINITY MAP AND GENERAL INFORMATION
CIVIL PLANS	
C-1	SITE PLAN
C-2	ENLARGED SITE PLAN
C-3	ELEVATIONS
C-4	DETAILS AND SCHEMATICS
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C-6	DETAILS
ELECTRICAL PLANS	
E-1	1-LINE DIAGRAM, PANEL SCHEDULE, ELECTRICAL PLAN & NOTES

SHEET INDEX



CONSULTANT
COAL CREEK
CONSULTING
1525 N. HAYDEN ROAD, STE 100 SCOTTSDALE, AZ 85257
OFFICE: (602) 326-0111 FAX: (602) 532-7407

ENGINEER OF RECORD
TERRA DYNAMIC ENGINEERING, LLC

P.O. BOX 22131, PHOENIX, AZ 85028
PHONE: (602) 482-1603 FAX: (602) 926-2692

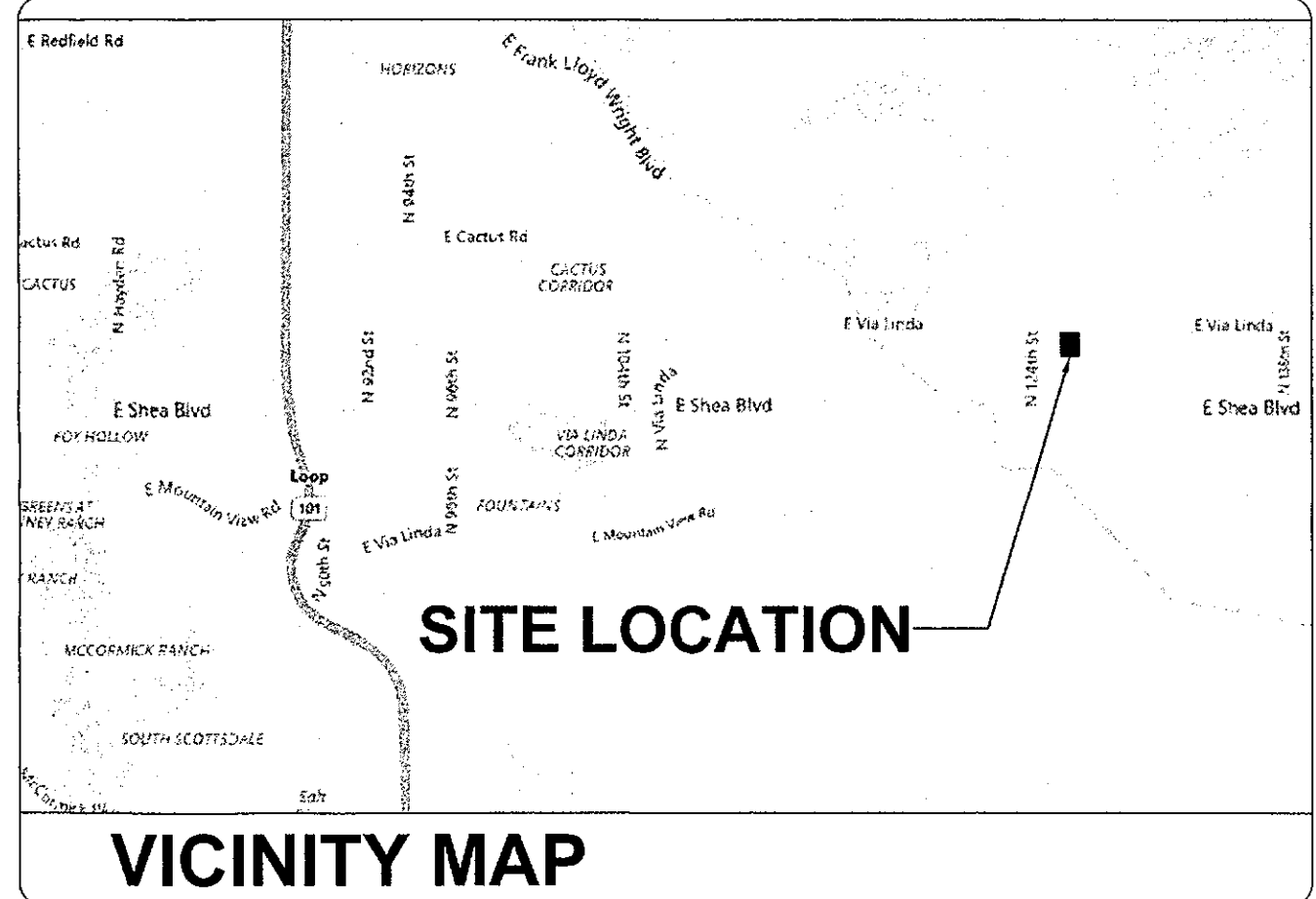


ARIZONA STATE CODE COMPLIANCE:
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL MECHANICAL CODE
2011 NATIONAL ELECTRICAL CODE

ACCESSIBILITY REQUIREMENTS:
THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE CURRENT INTERNATIONAL BUILDING CODE.

CODE BLOCK



SPRINT PROPOSED THE FOLLOWING:
ADD (1) 20 AMP BREAKER IN EXISTING PPC
ADD (1) 3/4" CONDUIT FROM BREAKER TO TELCO CABINET
ADD (1) DIN-RAIL MOUNTED LOAD CENTER IN TELCO CABINET
ADD (1) SOOW POWER CABLE TO J-BOX
ADD (1) 1"Ø CONDUIT WITH (3) FIBER AND CA 5 CABLES TO RRH
ADD (3) ANTENNAS, (1) PER SECTOR
ADD (3) RRH'S, (1) PER SECTOR

PROJECT DESCRIPTION

CLIENT:
SPRINT
5710 W. CHANDLER BLVD, SUITE 190
CHANDLER, ARIZONA 85226

SITE ACQ. CONSULTANT:
COAL CREEK CONSULTING
1525 N. HAYDEN ROAD
SUITE 100
SCOTTSDALE, ARIZONA 85257
CONTACT: STEVE CIOLEK
PHONE: (480) 246-4131
FAX (480) 323-2010

DESIGN FIRM:
COAL CREEK CONSULTING
1525 N. HAYDEN ROAD
SUITE 100
SCOTTSDALE, ARIZONA 85257
CONTACT: SHAWN EVANS
PHONE: (602) 758-5829
FAX (602) 532-7407

CIVIL ENGINEER:
TERRA DYNAMIC ENGINEERING, LLC
P.O. BOX 22131
PHOENIX, ARIZONA 85028
CONTACT: ROBERT ORLANDO
PHONE: (602) 482-1603
FAX: (602) 926-2692

NO.	DATE	DESCRIPTION	BY
1	09/22/16	PRELIMINARY	SPE
2	09/23/16	REVISION 1	SPE
3	09/27/16	SUBMITTAL	SPE

PROJECT INFORMATION
JOB: 01-027-04

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MTN. HIGH

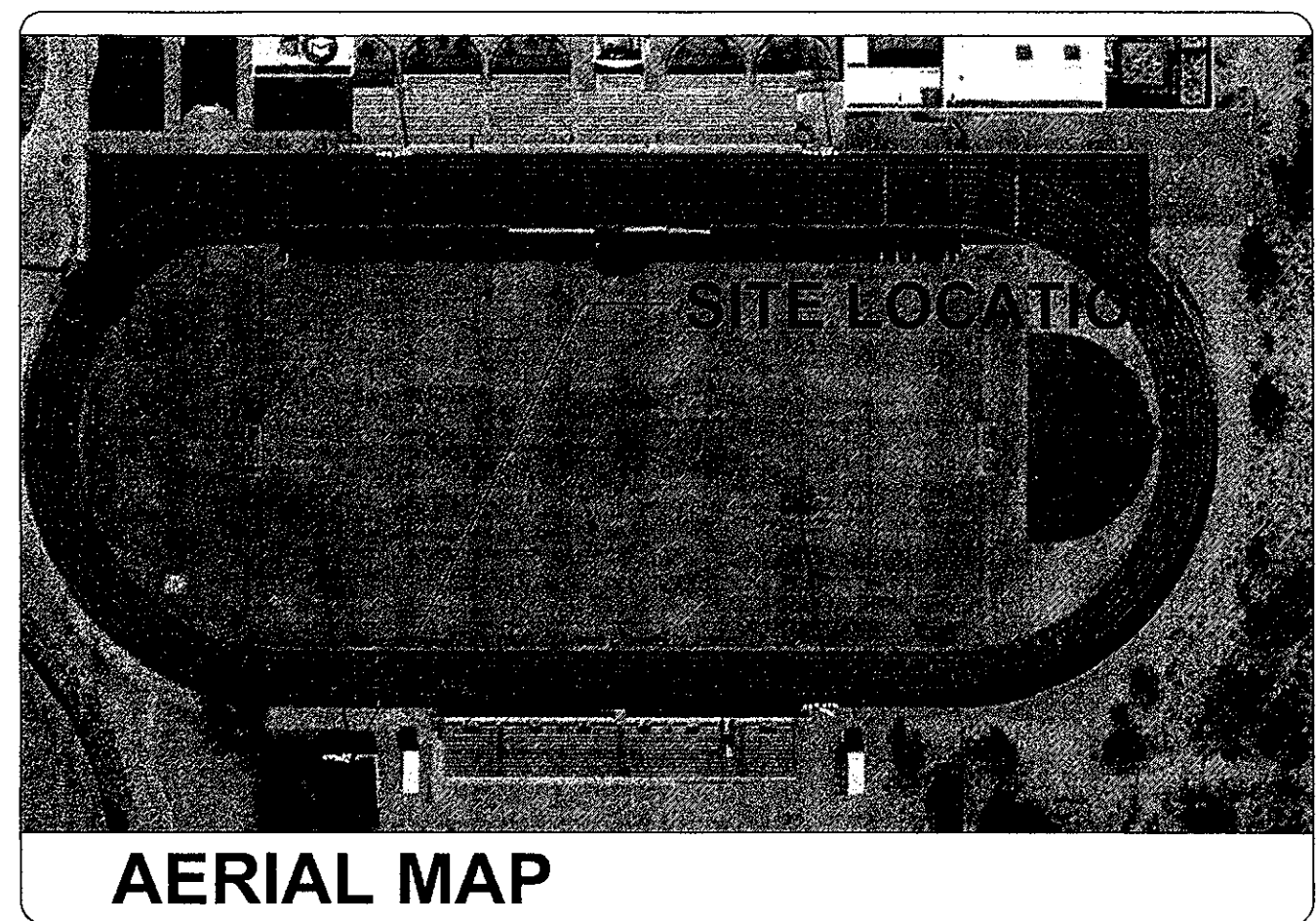
12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE
TITLE SHEET,
VICINITY MAP &
GENERAL INFO.

SHEET NUMBER
T-1

APPROVAL	SIGNATURE	DATE
SITE ACQUISITION & ZONING		
CONSTRUCTION MANAGER		
A&E MANAGER		
PLANNING CONSULTANT		
RF MANAGER		
PROPERTY OWNER		
SPRINT REPRESENTATIVE		

SIGNATURE BLOCK



FROM THE SPRINT OFFICE IN PHOENIX, AZ
TAKE CHANDLER BLVD. W. TO KYRENE RD. AND TAKE A LEFT AND PROCEED TO THE 202 E. TO THE AZ LOOP 101 N. AND EXIT ON SHEA BLVD. AND TAKE A RIGHT TO 124TH ST. AND TAKE A LEFT AND THE SITE WILL BE ON THE VISITORS SIDE OF THE FOOTBALL FIELD OF THE SCHOOL ON THE S.E. CORNER OF 124TH ST. AND VIA LINDA

DRIVING DIRECTIONS

APPLICANT:
COAL CREEK CONSULTING
1525 N. HAYDEN ROAD
SUITE 100
SCOTTSDALE, ARIZONA 85257
CONTACT: STEVE CIOLEK
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FAX (480) 323-2010

PROPERTY OWNER INFORMATION:
SCOTTSDALE UNIFIED COMMUNITY SCHOOL DISTRICT #43
3811 N. 44TH ST.
PHOENIX, AZ 85018
CONTACT: DR. DENISE BIRDWELL
PHONE: (480) 484-6120

ZONING CLASSIFICATION: R1-43
JURISDICTION: SCOTTSDALE
EXISTING/NEW USE: UNMANNED WIRELESS TELECOMMUNICATIONS FACILITY

PARCEL NUMBER
217-40-040A

PROJECT SUMMARY

30-DR-2011 #3
APPROVED
FINAL PLANS PLANNING
2-3-17 DATE KN APPROVED BY
KNOW WHAT'S BELOW
CALL BEFORE YOU DIG

PROJECT TEAM

EXISTING SETBACK TO PROPERTY LINE FROM CENTER OF POLE	
NORTH	981'-1"±
SOUTH	284'-3"±
EAST	1255'-0"±
WEST	1297'-2"±

PLANS PREPARED FOR



Sprint
Together with Nextel.


CONSULTANT

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ENGINEER OF RECORD

TERRA DYNAMIC ENGINEERING, LLC



P.O. BOX 22131, PHOENIX, AZ 85028
PHONE: (602) 482-1603 FAX: (602) 926-2692



Professional Engineer
34596
ROBERTO ORLANDO
Arizona License # 9128
Expires: 3/31/2018

NO.	DATE	DESCRIPTION	BY
1	09/22/16	PRELIMINARY	SPE
2	09/23/16	REVISION 1	SPE
3	09/27/16	SUBMITTAL	SPE

PROJECT INFORMATION

JOB: 01-027-04

**PH80XC106
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MTN. HIGH**

12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

C-1

EXISTING RESIDENTIAL ZONING: R1-10

VIA LINDA

APN: 136-28-004E
ZONING: R1-43

EXISTING BUILDING

EXISTING BUILDING

EXISTING ASPHALT PARKING LOT

EXISTING ASPHALT PARKING LOT

EXISTING BASEBALL FIELD

EXISTING BASEBALL FIELD

EXISTING FOOTBALL FIELD

EXISTING SOFTBALL FIELD

EXISTING SOFTBALL FIELD

EXISTING SPRINT EQUIPMENT INSIDE EQUIPMENT COMPOUND

EXISTING BALL FIELD LIGHT POLE WITH SPRINT ANTENNAS

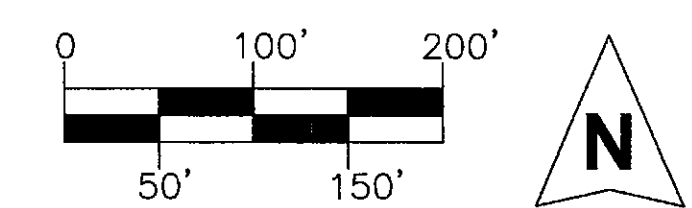
1
C-2

1 5
C-4 C-4

EXISTING CHURCH ZONING: R1-43

EXISTING RESIDENTIAL ZONING: R1-18

30-02-2011 #3
APPROVED
FINAL PLANS PLANNING
2-3-17
DATE **KN**
APPROVED BY



SCALE: 1" = 100'-0"
ON 24X36 ONLY

1

OVERALL SITE PLAN

124TH ST.

128TH ST.

NOTES:
EXISTING BALL FIELD
LIGHT POLE REMOVED
FOR CLARITY

PLANS PREPARED FOR



CONSULTANT

COAL CREEK



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MTN. HIGH

12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

C-2

NEW 1" CONDUIT FOR SPOW POWER
CABLE FROM DIN-RAIL MOUNTED LOAD
CENTER IN TELCO CABINET TO JUNCTION
BOX AT SPRINTS RAD CENTER



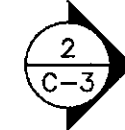
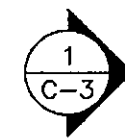
EXISTING SPRINT ICE BRIDGE

NEW 1" CONDUIT FOR (3) FIBER AND
(3) CAT5 CABLES FROM EXISTING
MOD-CEL TO SPRINT RAD CENTER



EXISTING SPRINT SHADE CANOPY ABOVE

EXISTING SPRINT BLOCK WALL COMPOUND



EXISTING SPRINT TELCO BOX
MOUNTED TO H-FRAME

EXISTING SPRINT TELCO CABINET MOUNTED
TO H-FRAME

NEW 3/4" CONDUIT W/ (2) #12
CONDUCTORS, & (1) #12 GROUND, FROM
NEW BREAKER IN PPC TO DIN-RAIL
MOUNTED LOAD CENTER IN TELCO CABINET

EXISTING SPRINT PPC MOUNTED TO H-FRAME

EXISTING SPRINT ACCESS GATE (TYP.)

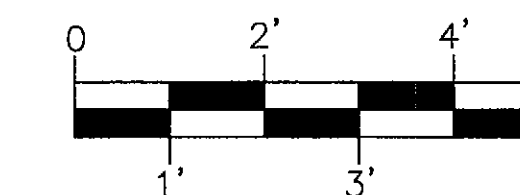
EXISTING SPRINT DISCONNECTS
MOUNTED TO H-FRAME

NEW DIN-RAIL MOUNTED LOAD
CENTER IN TELCO CABINET



EXISTING TRANSFORMER

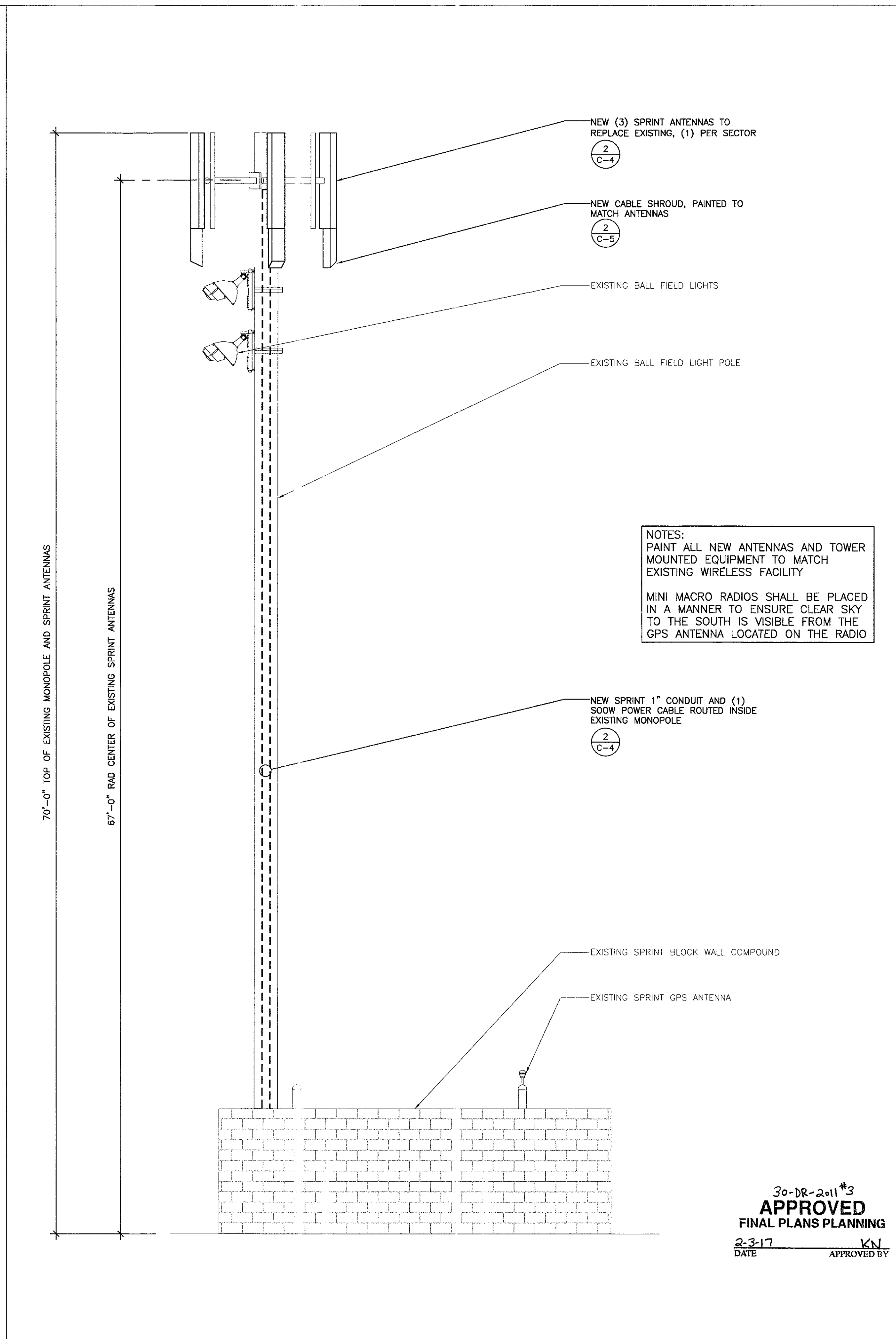
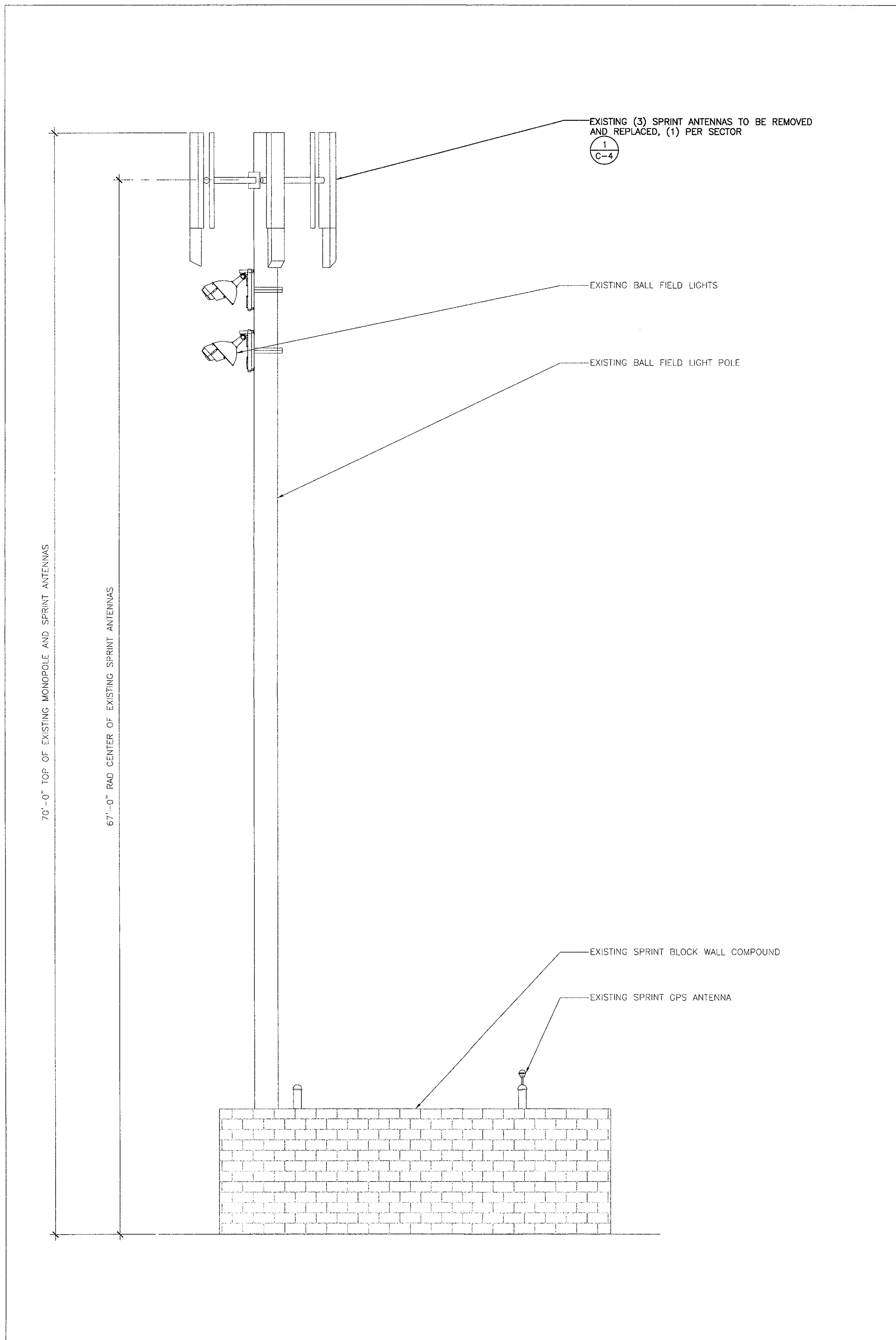
30-DR-2011#3
APPROVED
FINAL PLANS PLANNING
DATE: 2-3-17 APPROVED BY: KN



ENLARGED SITE PLAN

SCALE: 1/2" = 1'-0"
ON 24X36 ONLY

1



PLANS PREPARED FOR

Sprint
 Together with Nextel.

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34596
 ROBERTO ORLANDO
 PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 Expires: 3/31/2018

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PROJECT INFORMATION
 JOB: 01-027-04

**PH80XC106
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 MTN. HIGH**

12575 E. VIA LINDA
 SCOTTSDALE, AZ 85259

SHEET TITLE

ELEVATIONS

SHEET NUMBER

C-3

EXISTING WEST ELEVATION

SCALE: 1/4" = 1'-0"
 ON 24X36 ONLY

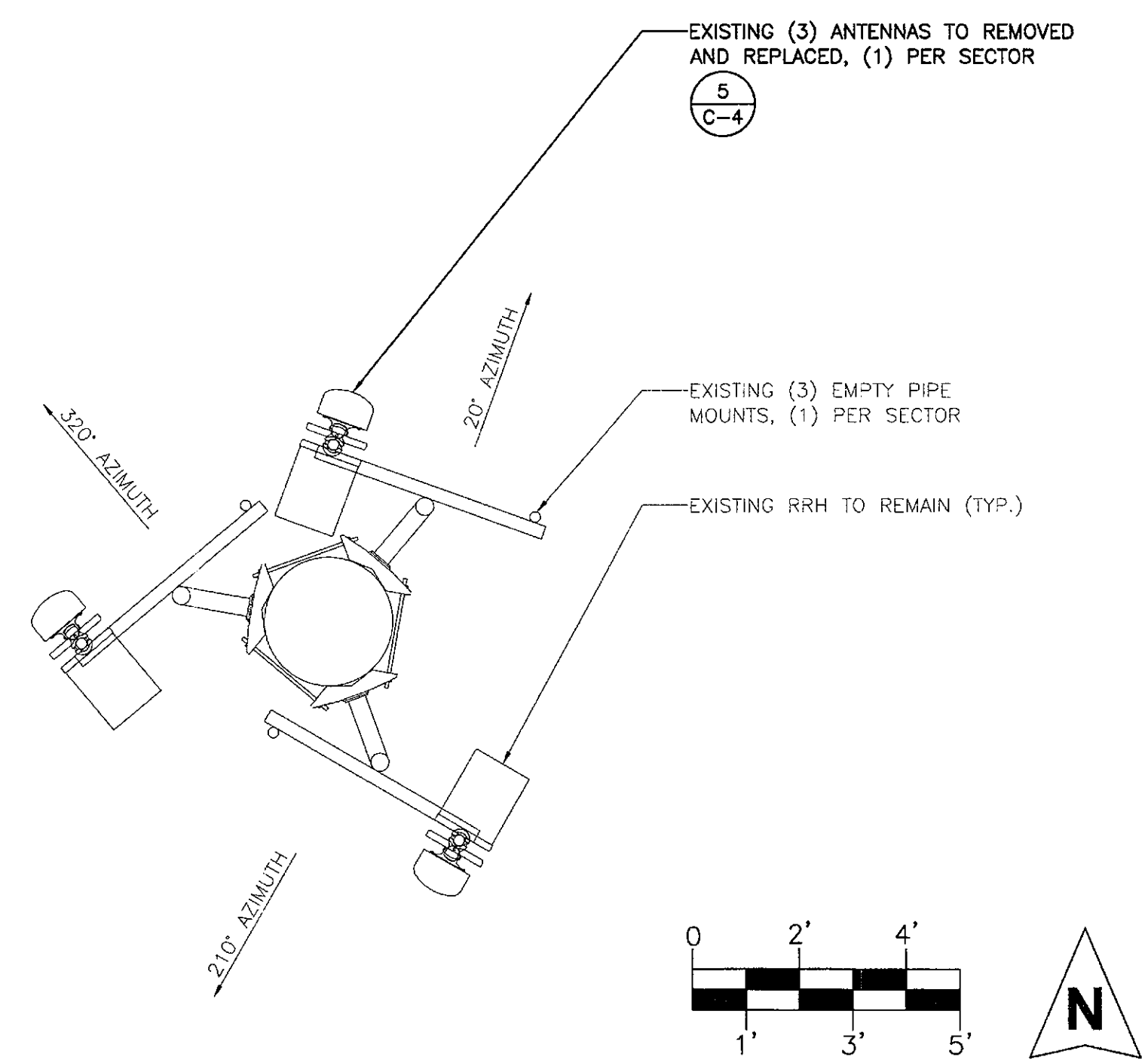
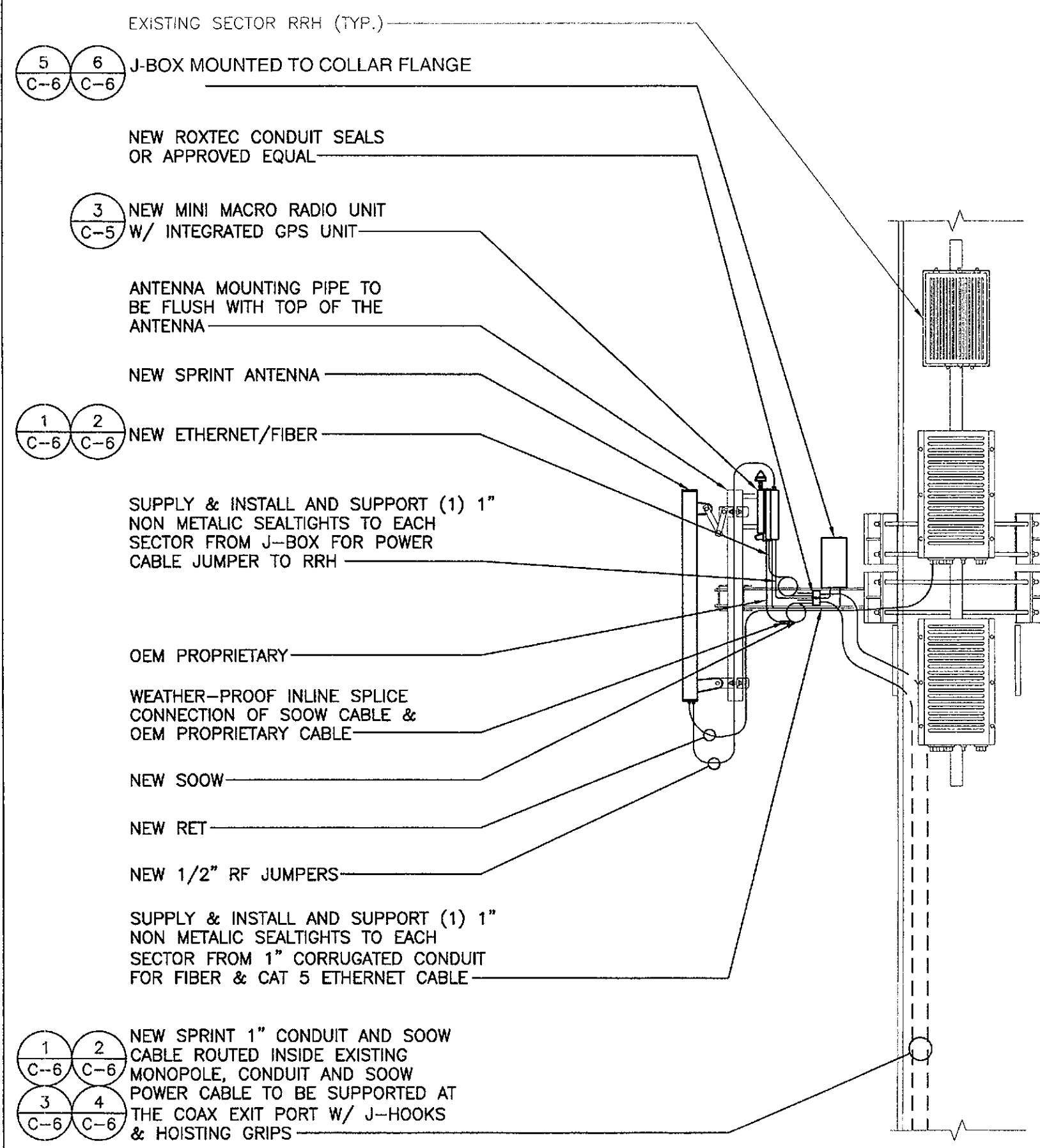
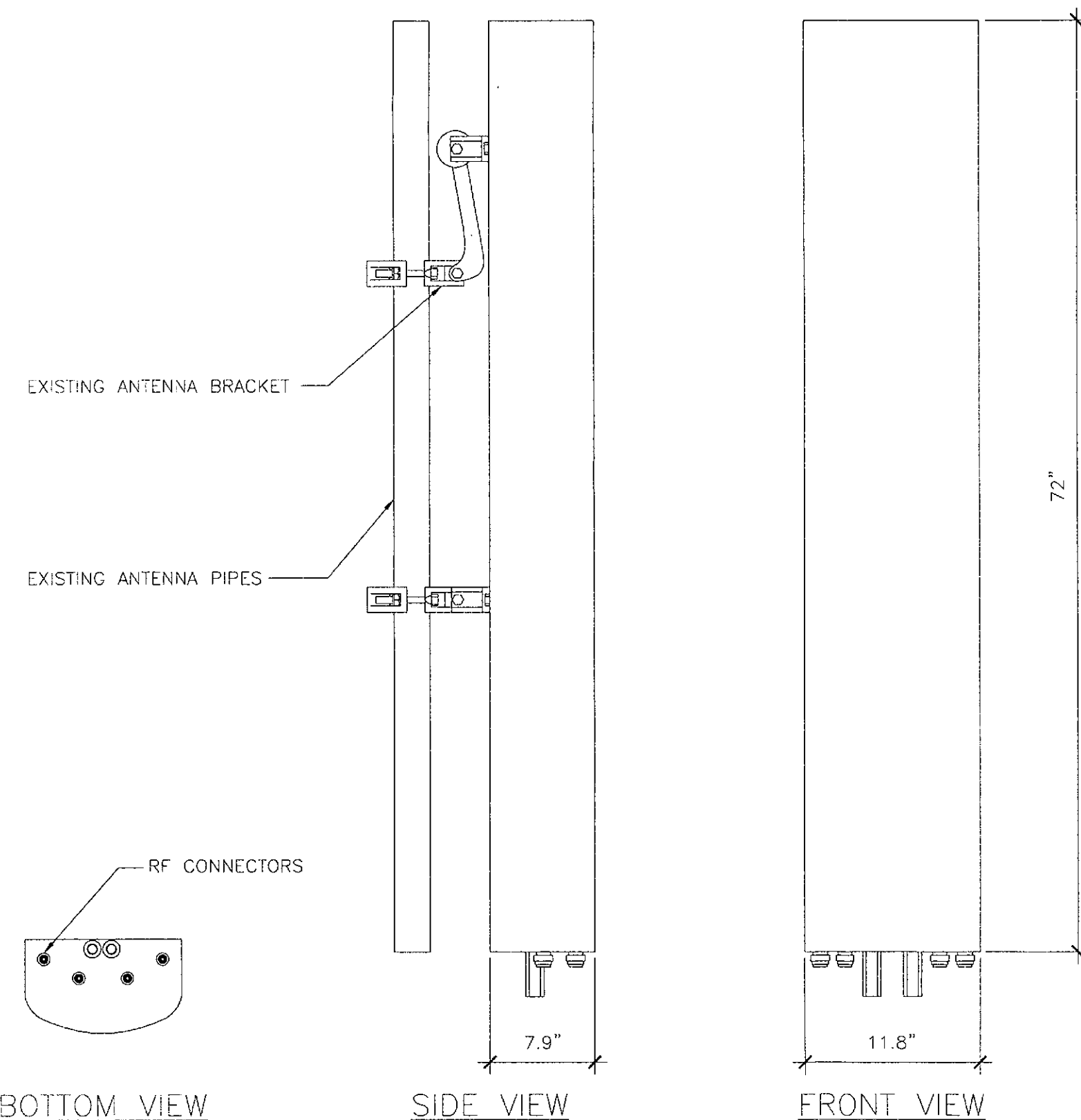
NEW WEST ELEVATION

SCALE: 1/4" = 1'-0"
 ON 24X36 ONLY

1

30-DR-2011*3
APPROVED
 FINAL PLANS PLANNING
 DATE: 2-3-17 APPROVED BY: KN

MANUFACTURE: RFS
 WEIGHT LBS (KG): 62 LBS (28.12 KG)
 DIMENSIONS, HxWxD(in(mim)): 72"x11.8"x7.9" (1829x299.7x200.7mm)



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EXISTING ANTENNA SPECS.

SCALE: N.T.S. 5

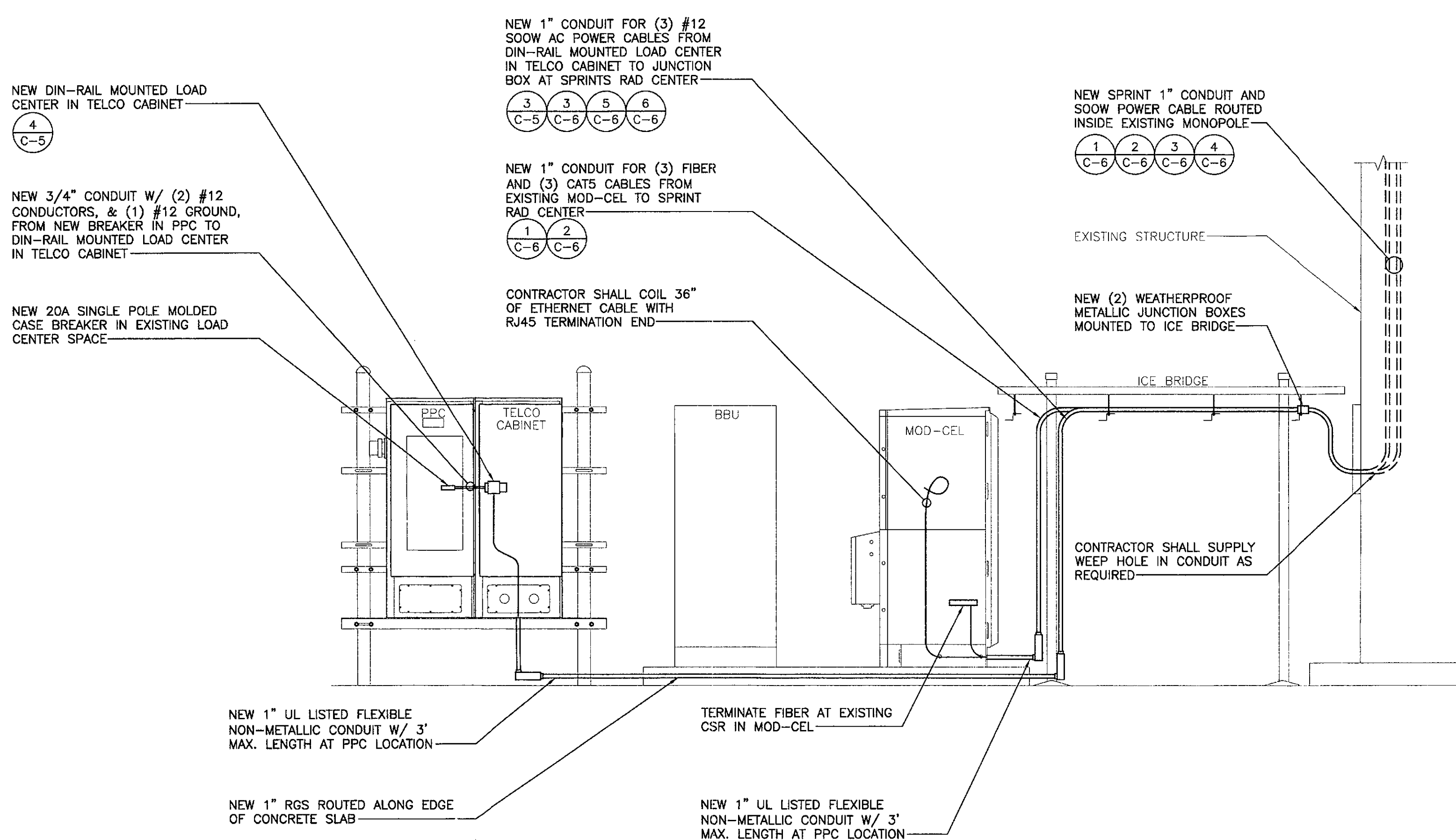
ANTENNA SCHEMATIC

SCALE: N.T.S. 3

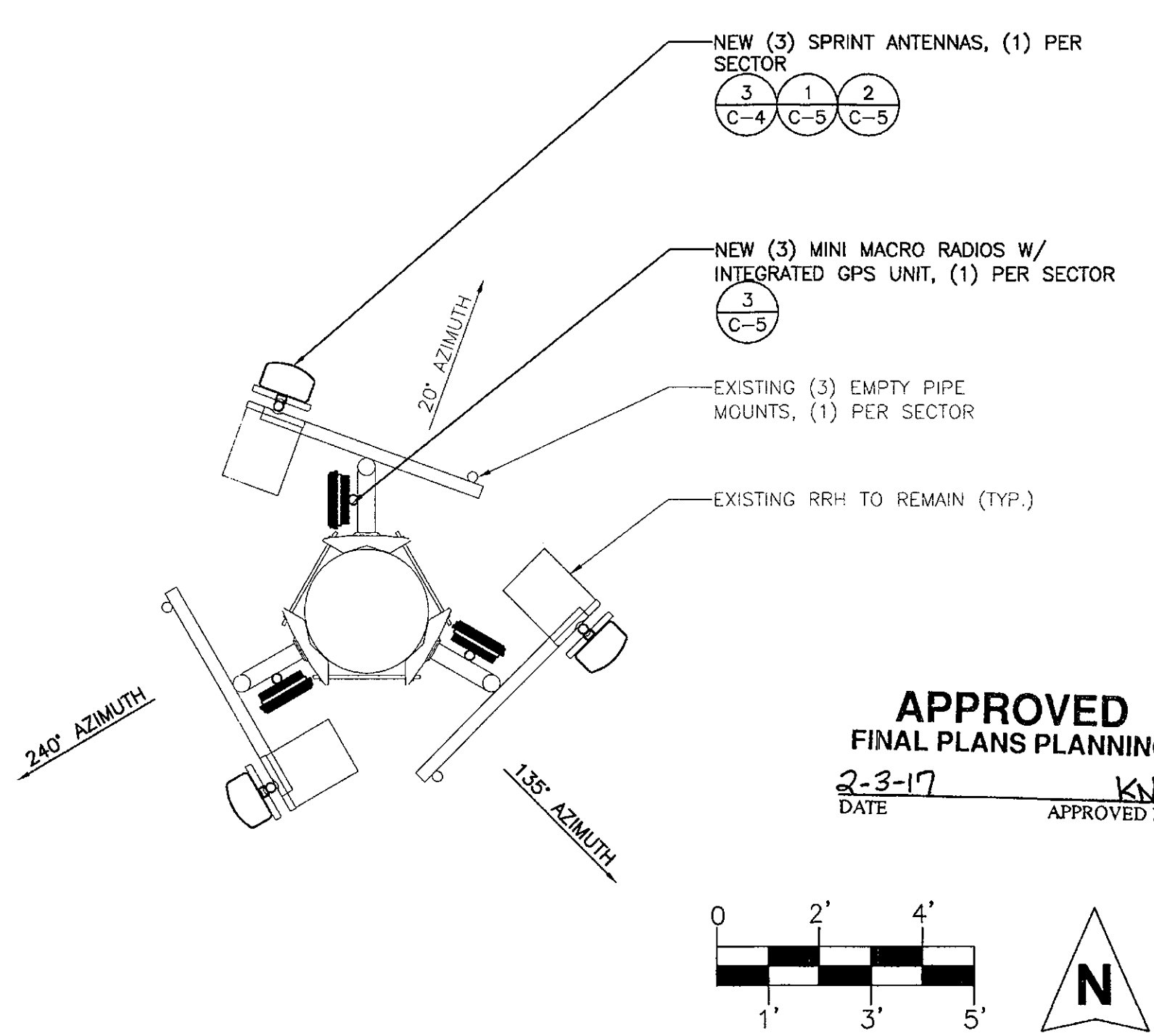
EXISTING ANTENNA PLAN

SCALE: 3/8" = 1'-0" ON 24X36 ONLY 1

NO.	DATE	DESCRIPTION	BY
1	09/22/16	PRELIMINARY	SPE
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NOTES:
 1. PAINT ALL NEW ANTENNAS AND TOWER MOUNTED EQUIPMENT TO MATCH EXISTING WIRELESS FACILITY
 2. MINI MACRO RADIOS SHALL BE PLACED IN A MANNER TO ENSURE CLEAR SKY TO THE SOUTH IS VISIBLE FROM THE GPS ANTENNA LOCATED ON THE RADIO
 3. SUPPLY & INSTALL AND SUPPORT (1) 1" NON METALIC SEALTIGHTS TO EACH SECTOR FROM 1" CORRUGATED CONDUIT FOR FIBER & CAT 5 ETHERNET CABLE
 4. SUPPLY & INSTALL AND SUPPORT (1) 1" NON METALIC SEALTIGHTS TO EACH SECTOR FROM J-BOX FOR POWER CABLE JUMPER TO RRH



APPROVED FINAL PLANS PLANNING
 2-3-17
 DATE APPROVED BY KN

CONDUIT ROUTING SCHEMATIC

SCALE: N.T.S. 4

NEW ANTENNA PLAN

SCALE: N.T.S. 2

NEW ANTENNA PLAN

SCALE: 3/8" = 1'-0" ON 24X36 ONLY 2

PROJECT INFORMATION
 JOB: 01-027-04

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 MTN. HIGH

12575 E. VIA LINDA
 SCOTTSDALE, AZ 85259

SHEET TITLE
 DETAILS AND SCHEMATICS

SHEET NUMBER
 C-4