

Marked Agendas
Approved Minutes
Approved Reports

**The January 19, 2017
Development Review Board
Meeting Agenda and
Minutes can be found at**

<http://www.scottsdaleaz.gov/boards/development-review-board>

DEVELOPMENT REVIEW BOARD REPORT



Meeting Date: January 19, 2017 Item No. 6
General Plan Element: *Public Services and Facilities*
General Plan Goal: *Encourage provision of power and communication systems that match the character of Scottsdale and provide reliable, efficient, service for Scottsdale citizens, visitors, and businesses.*

ACTION

Sprint Ball Field Light Pole WCF - Desert Mountain High School 30-DR-2011#3

Location: 12575 E. Via Linda

Request: Request approval to modify an existing Type 3 wireless communication facility (WCF) that is co-located on a 70-foot-tall sports field light pole, with the removal of three existing antennas and installation of three new antennas and three additional radio units.

OWNER

Scottsdale Unified School District
480-484-6120

ARCHITECT/DESIGNER

Terra Dynamic Engineering, LLC

ENGINEER

Terra Dynamic Engineering, LLC

APPLICANT CONTACT

Steve Ciolek
Coal Creek, LLC
480-323-2010

BACKGROUND

Zoning

This site is zoned Single-family Residential, Environmentally Sensitive Lands (R1-43 ESL).

Context

The existing Sprint wireless communication facility (WCF) is located on a sports field light pole at the Desert Mountain High School campus, approximately 1,650 feet southeast of the intersection of E.

Adjacent Uses and Zoning

- North Desert Mountain High School, zoned R1-43 ESL.
- South School sports Field zoned R1-43 ESL, single-family residential subdivision, approximately 250 feet south, zoned R1-18 ESL.
- East Desert Mountain High School athletic fields, zoned R1-43 ESL.
- West Desert Mountain High School athletic fields, zoned R1-43 ESL.

DEVELOPMENT PROPOSAL

Goal/Purpose of Request

On June 16, 2011, the Development Review Board approved the Sprint Wireless Communication Facility (WCF), which was constructed on a replacement ball field light pole near the southwest side of the Desert Mountain High School football field.

On December 18, 2014, the Development Review Board Case 30-DR-2011#2, which approved a modification to increase the number of antenna to six. The modification was never constructed.

In order to increase Sprint's wireless coverage and capacity in the area, Sprint is seeking approval to replace the three (3) existing 72-inch-long by 11.8-inch-wide antennas with three (3) new 76.9-inch-long by 16.1-inch-wide antennas. One additional small radio will be attached to each of the antenna mount arms. Shrouds will continue to be utilized to screen coaxial jumper cables entering the bottom of the antennas, and all antennas, radio equipment, and mounting hardware will be painted to match the light pole.

Neighborhood Communication

Property owners within 750 feet of the project were notified by the applicant on October 17, 2016. A notice was also placed on the Desert Mountain High School website for a month, beginning on November 29, 2016, to notify parents of students.

On December 1, 2016, the City of Scottsdale Planning Department mailed notification to property owners within 750 feet of the project. As of the drafting of this report, staff has received one call from a nearby property owner in support of the application.

As of the drafting of this report, staff has not received any calls or e-mails regarding this request.

STAFF RECOMMENDATION

Recommended Approach:

Staff recommends that the Development Review Board approve case 30-DR-2011#3 per the attached stipulations.

RESPONSIBLE DEPARTMENT

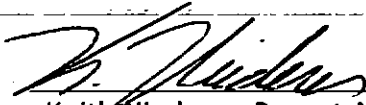
Planning and Development Services

Current Planning Services

STAFF CONTACT

Keith Niederer
Senior Planner
480-312-2953
E-mail: kniederer@ScottsdaleAZ.gov

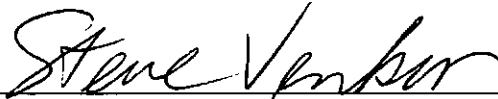
APPROVED BY



Keith Niederer, Report Author

1-9-2017

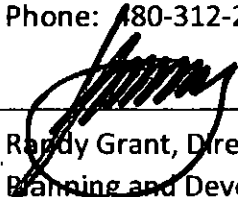
Date



Steve Venker, Development Review Board Coordinator
Phone: 480-312-2831 E-mail: svenker@scottsdaleaz.gov

1/9/17

Date



Raddy Grant, Director
Planning and Development Services
480-312-2664, rgrant@scottsdaleaz.gov

1/9/17

Date

ATTACHMENTS

- A. Stipulations/Zoning Ordinance Requirements
 - 1. Context Aerial
 - 1A. Close-Up Aerial
 - 2. Zoning Map
 - 3. Applicant's Narrative
 - 4. Photo Simulation
 - 5. Plans
 - 6. Neighborhood Involvement
 - 7. City Notification Map

**Stipulations for the
Development Review Board Application:
Sprint Ball Field Light Pole WCF - Desert Mountain High School
Case Number: 30-DR-2011#3**

These stipulations are intended to protect the public health, safety, welfare, and the City of Scottsdale.

APPLICABLE DOCUMENTS AND PLANS:

1. Except as required by the Scottsdale Revised Code, the Design Standards and Policies Manual (DSPM), and the other stipulations herein, the site design and construction shall substantially conform to the following documents:
 - a. Architectural elements, including dimensions, materials, form, color, and texture shall be constructed to be consistent with the building elevations submitted by Terra Dynamic Engineering, LLC and Sprint, with a city staff date of 12/1/2017.
 - b. The location and configuration of all site improvements shall be consistent with the site plan submitted by Terra Dynamic Engineering, LLC and Sprint, with a city staff date of 12/1/2017.

ARCHITECTURAL DESIGN:

DRB Stipulations

2. If cables are bottom fed into antennas, a cable shroud shall be utilized to minimize the amount of exposed coaxial cable.
3. All antennas, radios and mounting hardware shall be painted to match the color of the ball field light pole.

SITE DESIGN:

Ordinance

- A. In conformance with Section 7.200.H, antennas shall not extend more than two feet from the face of the pole. Compliance with this requirement shall be shown on the construction drawing submittal.

ADDITIONAL ITEMS:

DRB Stipulations

1. Prior to any construction, schedule a pre-construction meeting by contacting Inspection Services at 480-312-5750. This note shall appear on the cover sheet of the construction drawing set.



**Q.S.
29-58**

Google Earth Pro Imagery

E. Shea Boulevard



Sprint Ball Field Light Pole WCF - Desert Mountain High School

30-DR-2011#3



Q.S.
29-58

Google Earth Pro Imagery

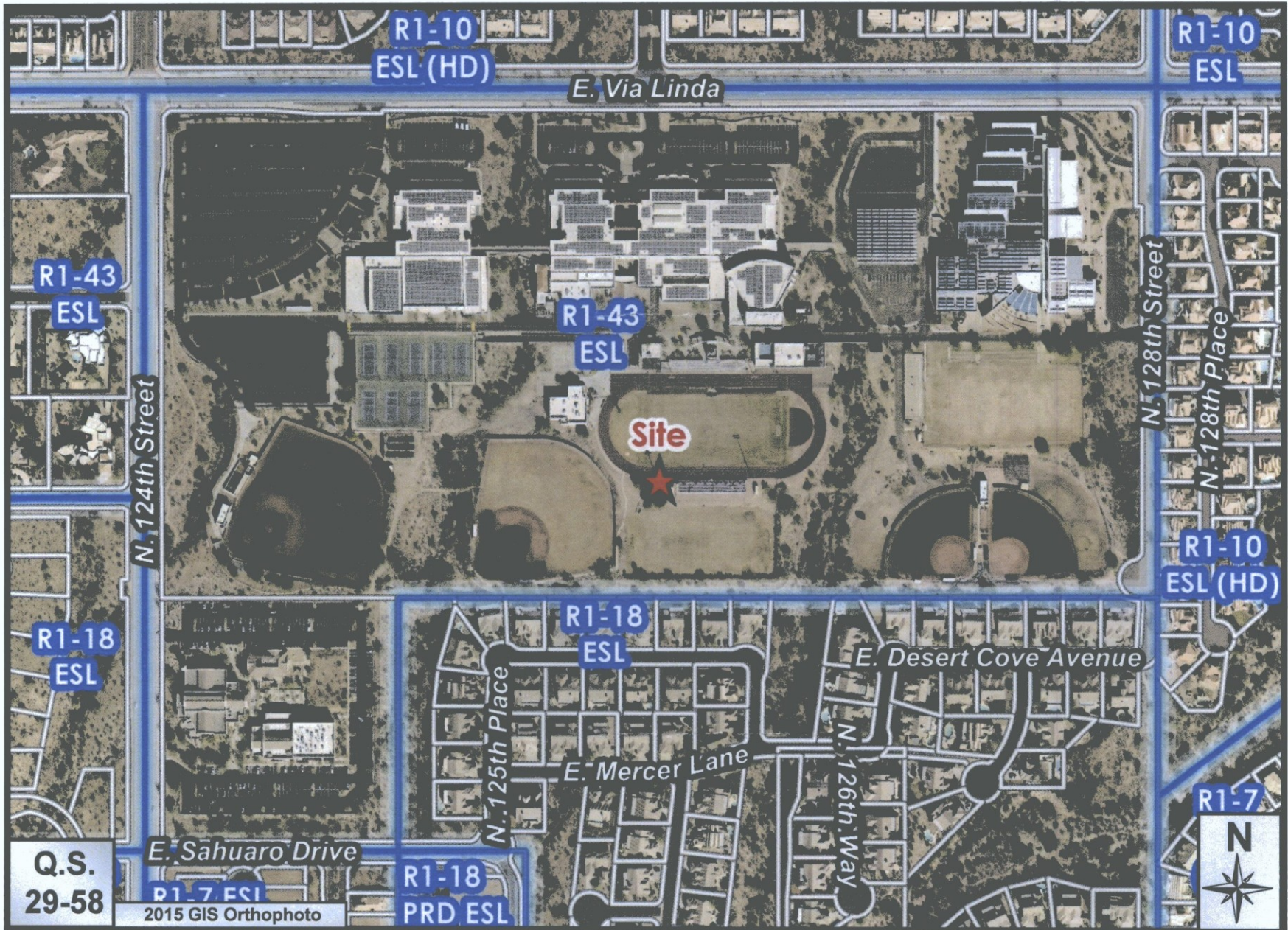
E. Desert Cove Avenue



Sprint Ball Field Light Pole WCF - Desert Mountain High School

30-DR-2011#3

ATTACHMENT #1A



Sprint Ball Field Light Pole WCF - Desert Mountain High School

30-DR-2011#3

Sprint®



Project Narrative

For

PH80XC106

12575 E Via Linda
Scottsdale, AZ 85259



Submitted by:

Steve Ciolek

Coal Creek Consulting
1525 N Hayden Road #100
Scottsdale, AZ 85257
(480) 246-4131
sciolek@coal-creek.com

Existing Conditions

Sprint has an existing Wireless Communication Facility (WCF) located at Desert Mountain High School, 12575 E Via Linda. Currently, Sprint has antennas placed on a Ball Field Light pole on the southwest corner of the football field. There are three (3) antennas with radio heads mounted at 67' AGL. The ground equipment remains behind the existing CMU block wall enclosure.



Nature of Request

In response to changes in technology to its wireless services, and its commitment to provide service throughout this area, Sprint is requesting approval for the replacement of three (3) existing 72"x11.8"x7.9" antennas with three (3) new 76.9"x16.1"x11.8" antennas. An additional three (3) new Mini Macro Radios will be mounted at the same rad center behind the antennas. New antennas and tower mounted equipment will be painted to match the existing facility. Coax cables connecting the antennas to the equipment will be routed inside the existing pole. The proposed antennas will be bottom-fed. Coax shrouds will also be installed, painted to match the existing facility.

Conclusion

It is the goal of Sprint to service the area with more reliable cellular service. By upgrading the existing antennas at this location, Verizon Wireless will be able to continue providing the best service to its customers.

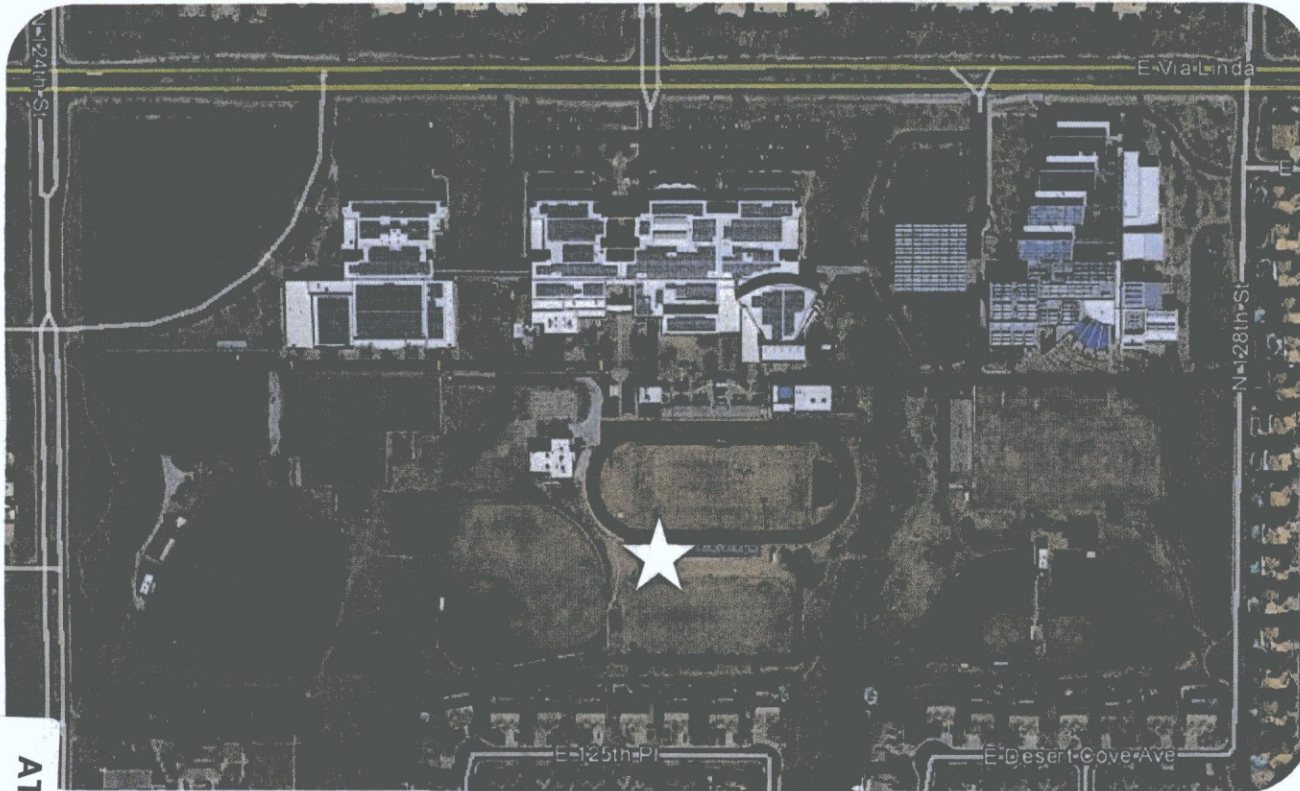
PHOTO SIMULATION

PH80XC106

SUSD DESERT MOUNTAIN HIGH

12575 E Via Linda

Scottsdale, AZ 85259



Note: Simulations are an artistic illustration created to represent how the proposed project may look once constructed. Simulations are created to match the current design as accurately as possible, but are not guaranteed to match the final build.

Date Completed: 10/20/16

30-DR-2011 #3
12/1/2016

ATTACHMENT #4

Sprint



COAL CREEK
CONSULTING

Before:



PHOTO SIMULATION

PH80XC106

SUSD DESERT MTN HIGH

12575 E Via Linda

Scottsdale, AZ 85259

After:



View 1 – Looking NE



Before:



PHOTO SIMULATION

PH80XC106

SUSD DESERT MTN HIGH

12575 E Via Linda

Scottsdale, AZ 85259

After:



View 2 - Looking North



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

PLANS PREPARED FOR



Together with Nextel.


CONSULTANT

COAL CREEK CONSULTING

1525 N. HAYDEN ROAD, STE 100 SCOTTSDALE, AZ 85257
OFFICE: (602) 328-0111 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



MIKE ROBERTO
ORLANDO, FL
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
SUSD DESERT
MTN. HIGH**

12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE

OVERALL SITE PLAN

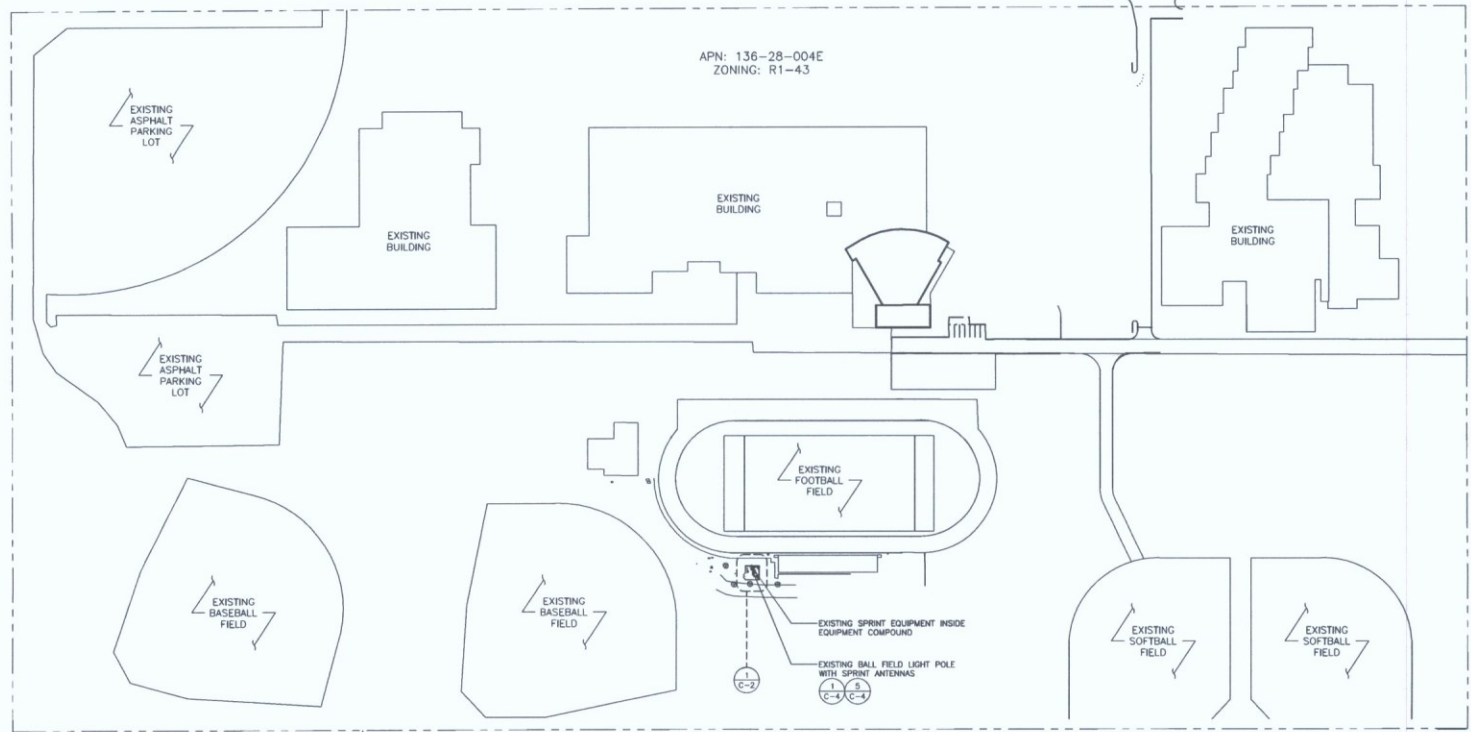
SHEET NUMBER

C-1

EXISTING RESIDENTIAL ZONING: R1-10

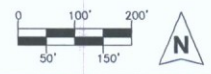
VIA LINDA

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



EXISTING CHURCH
ZONING: R1-43

EXISTING RESIDENTIAL
ZONING: R1-18



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


OVERALL SITE PLAN

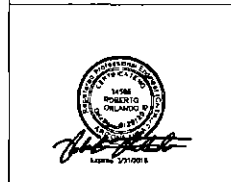
1

NOTES:
EXISTING BALL FIELD
LIGHT POLE REMOVED
FOR CLARITY

PLANS PREPARED FOR
Sprint
Together with Nextel.

CONSULTANT
COAL CREEK CONSULTING
1828 N. HAYDEN ROAD, STE. 100 SCOTTSDALE, AZ 85257
OFFICE: (602) 328-0111 FAX: (602) 348-7407

ENGINEER OF RECORD
TERRA DYNAMIC ENGINEERING, LLC

P.O. BOX 22131, PHOENIX, AZ 85028
PHONE: (602) 452-1503 FAX: (602) 928-2882



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: 61-027-04


PH80XC106
SUSD DESERT
MTN. HIGH

12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE

ENLARGED SITE PLAN


SHEET NUMBER
C-2

NEW 1" CONDUIT FOR 500W POWER
CABLE FROM ON-RAIL MOUNTED LOAD
CENTER IN TELCO CABINET TO JUNCTION
BOX AT SPRINTS ROAD CENTER


EXISTING SPRINT ICE BRIDGE

EXISTING SPRINT TELCO BOX
MOUNTED TO H-FRAME

EXISTING SPRINT ACCESS GATE (TYP.)

NEW 1" CONDUIT FOR (3) FIBER AND
(3) CAT5 CABLES FROM EXISTING
MID-CELL TO SPRINT ROAD CENTER


EXISTING SPRINT SHADE CANOPY ABOVE

EXISTING SPRINT BLOCK WALL COMPOUND

EXISTING SPRINT TELCO CABINET MOUNTED
TO H-FRAME

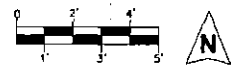
NEW 3/4" CONDUIT W/ (2) #12
CONDUCTORS & (1) #12 GROUND, FROM
NEW BREAKER IN PAC TO ON-RAIL
MOUNTED LOAD CENTER IN TELCO CABINET

EXISTING SPRINT PPC MOUNTED TO H-FRAME

EXISTING SPRINT DISCONNECTS
MOUNTED TO H-FRAME

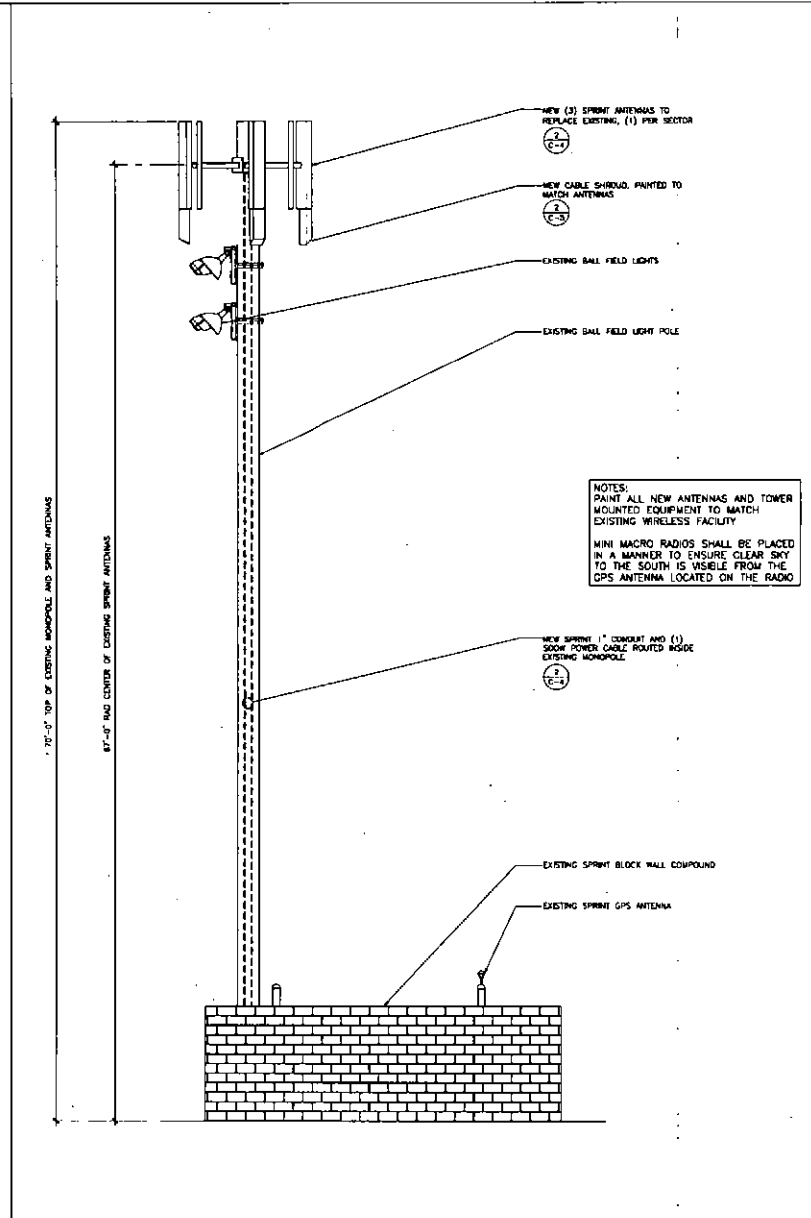
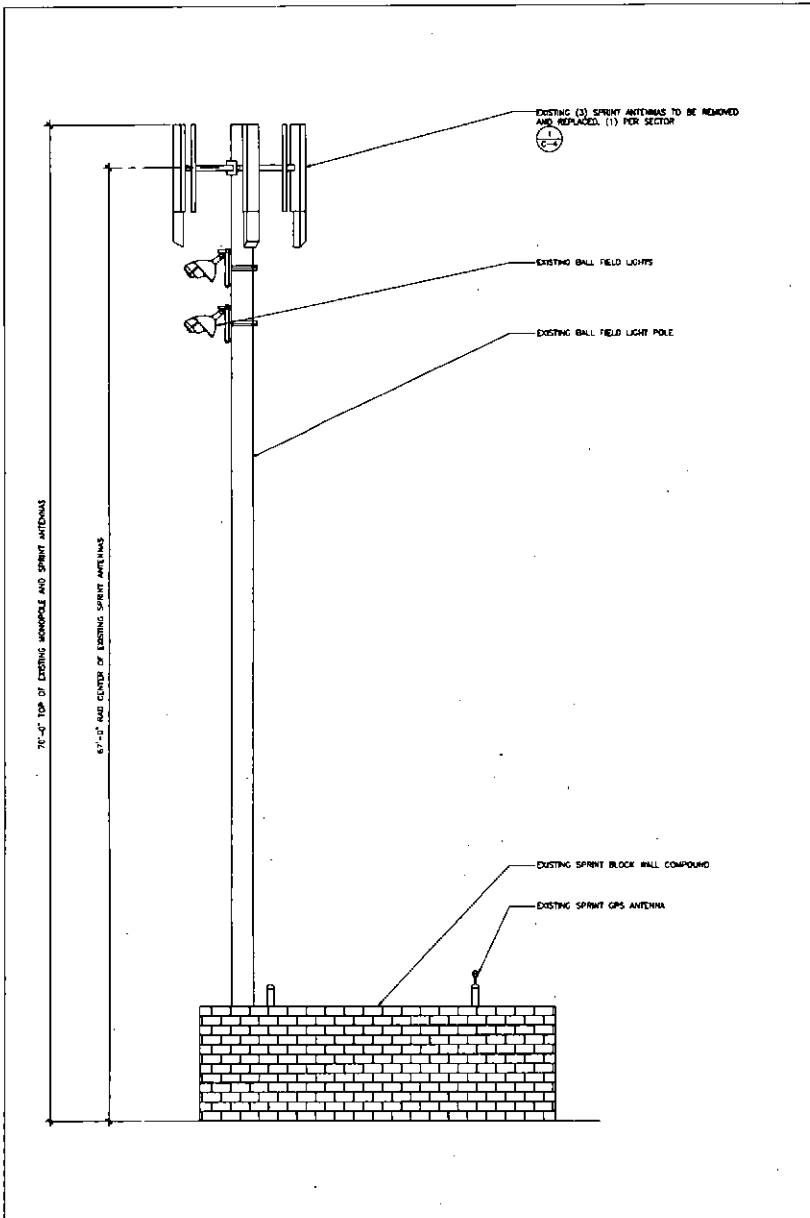
NEW ON-RAIL MOUNTED LOAD
CENTER IN TELCO CABINET


EXISTING TRANSFORMER



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

ENLARGED SITE PLAN



EXISTING WEST ELEVATION

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

2

NEW WEST ELEVATION

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

1

PLANS PREPARED FOR

Together with Nextel.

CONSULTANT

COAL CREEK CONSULTING

1325 N. WINDY ROAD, STE. 100 SCOTTSDALE, AZ 85257
 OFFICE (602) 324-9111 FAX: (602) 533-7407

ENGINEER OF RECORD

TERRA DYNAMIC ENGINEERING, LLC

P.O. BOX 22131, PHOENIX, AZ 85028
 PHONE: (602) 682-1603 FAX: (602) 928-2892

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

PH80XC106
 SUSD DESERT
 MTN. HIGH

12575 E. VA LINDA
 SCOTTSDALE, AZ 85259

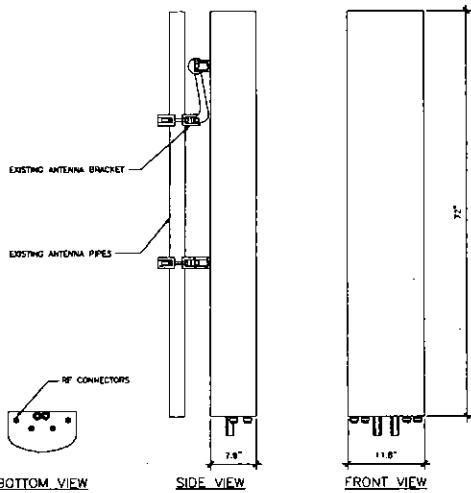
SHEET TITLE

ELEVATIONS

SHEET NUMBER

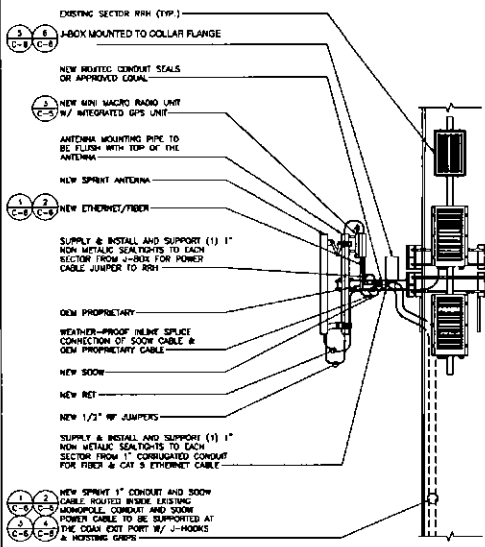
C-3

MANUFACTURE RFS
 WEIGHT LBS (KG) 82 LBS (38.12 KG)
 DIMENSIONS: H=110 in (mm): 72"x11.8"x7.9" (1829x2997x200 mm)



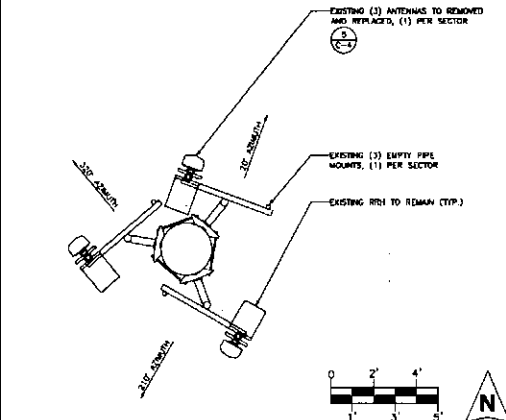
EXISTING ANTENNA SPECS.

SCALE: N.T.S. 5



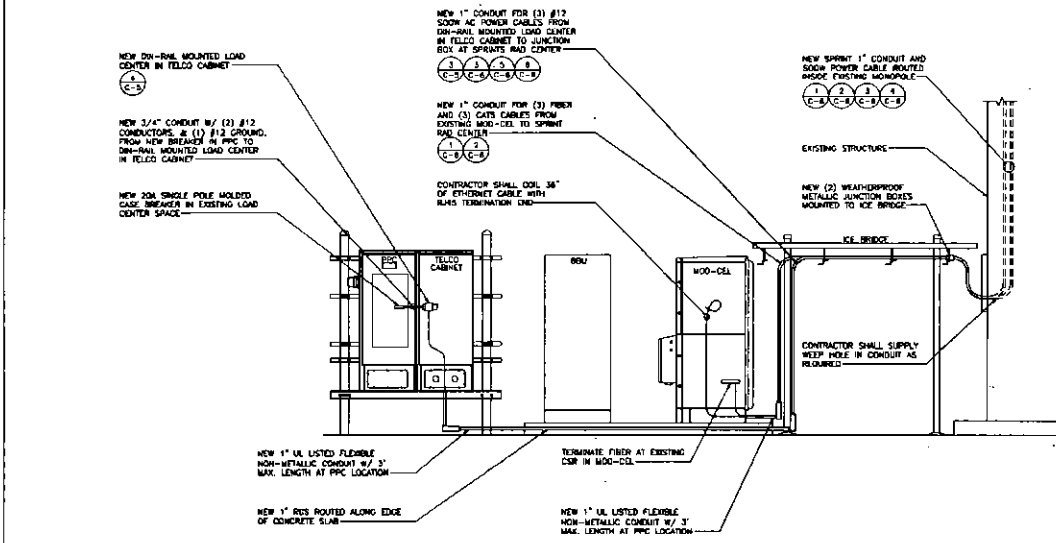
ANTENNA SCHEMATIC

SCALE: N.T.S. 3



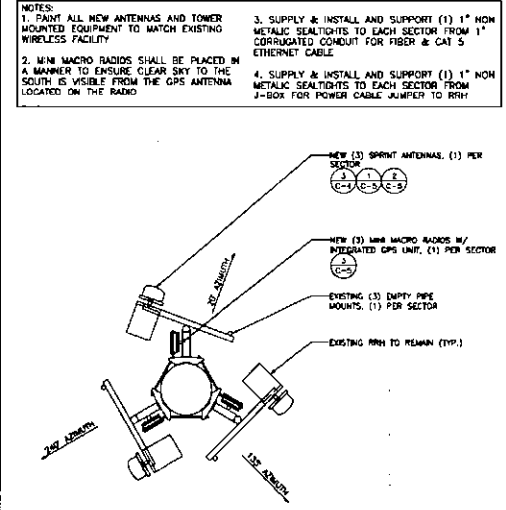
EXISTING ANTENNA PLAN

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



CONDUIT ROUTING SCHEMATIC

SCALE: N.T.S. 4



NEW ANTENNA PLAN

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

PLANS PREPARED FOR

Sprint
 Together with Nextel.

CONSULTANT
COAL CREEK CONSULTING
 1528 N. HAVEN ROAD, STE. 100, SCOTTSDALE, AZ 85257
 OFFICE: (602) 524-0111 FAX: (602) 523-7487

ENGINEER OF RECORD
TERRA DYNAMIC ENGINEERING, LLC

 P.O. BOX 22131, PHOENIX, AZ 85028
 PHONE: (602) 482-1803 FAX: (602) 528-2692

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

PROJECT INFORMATION
 JOB: 01-027-04

**PH80XC106
 SUSD DESERT
 MTN. HIGH**

12575 E. VIA LINDA,
 SCOTTSDALE, AZ 85259

SHEET TITLE
**DETAILS AND
 SCHEMATICS**

SHEET NUMBER
C-4

COAL CREEK

CONSULTING

1525 N Hayden Road.
Suite # 100
Scottsdale, AZ 85257

October 17, 2016

Dear neighbor:

The purpose of this letter is to inform you that Coal Creek Consulting, repre Sprint PCS, plans to submit an application (Case Number **795-PA-2016**) to Scottsdale to modify an existing Wireless Communication Facility (WCF) at Mountain High School, located at 12575 E Via Linda.

In response to changes in technology to its wireless services, and its comm provide service throughout this area, Sprint is requesting approval for the re three (3) existing antennas with three (3) new antennas of similar size. Three Radio Heads as will also be installed behind the antenna array on the existi light.

This letter is being sent to you as part of the required notification process fo Scottsdale. With this letter please find a set of plans indicating what the site once it is complete. Feel free to distribute this notice to all respective tenant parents of students, and all other interested parties. If you have any questio discuss this application, please contact me either by phone or e-mail using information below. You may also contact the site's planner, Keith Niederer, (480) 312-2953 or by email (KNiederer@scottsdaleaz.gov) with any questio comments, or concerns.

Sincerely,



Steve Ciolek
Coal Creek Consulting
1525 N Hayden Road. #100
Scottsdale, AZ 85257
Mobile: (480) 246-4131
Email: sciolek@coal-creek.com

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

PLANS PREPARED FOR



Together with Nextel.

CONSULTANT


COAL CREEK CONSULTING



1525 N. HAVEN 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) 482-1803 FAX: (602) 926-2882



ROBERTO ORLANDO
Professional Engineer
No. 3486
State of Arizona
Expire 12/31/2018

NO.	DATE	DESCRIPTION	BY
1	09/22/16	PRELIMINARY	SPE
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PROJECT INFORMATION
JOB: 01-027-04

PH80XC106
SUS DESERT
MTN. HIGH

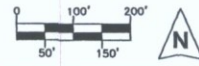
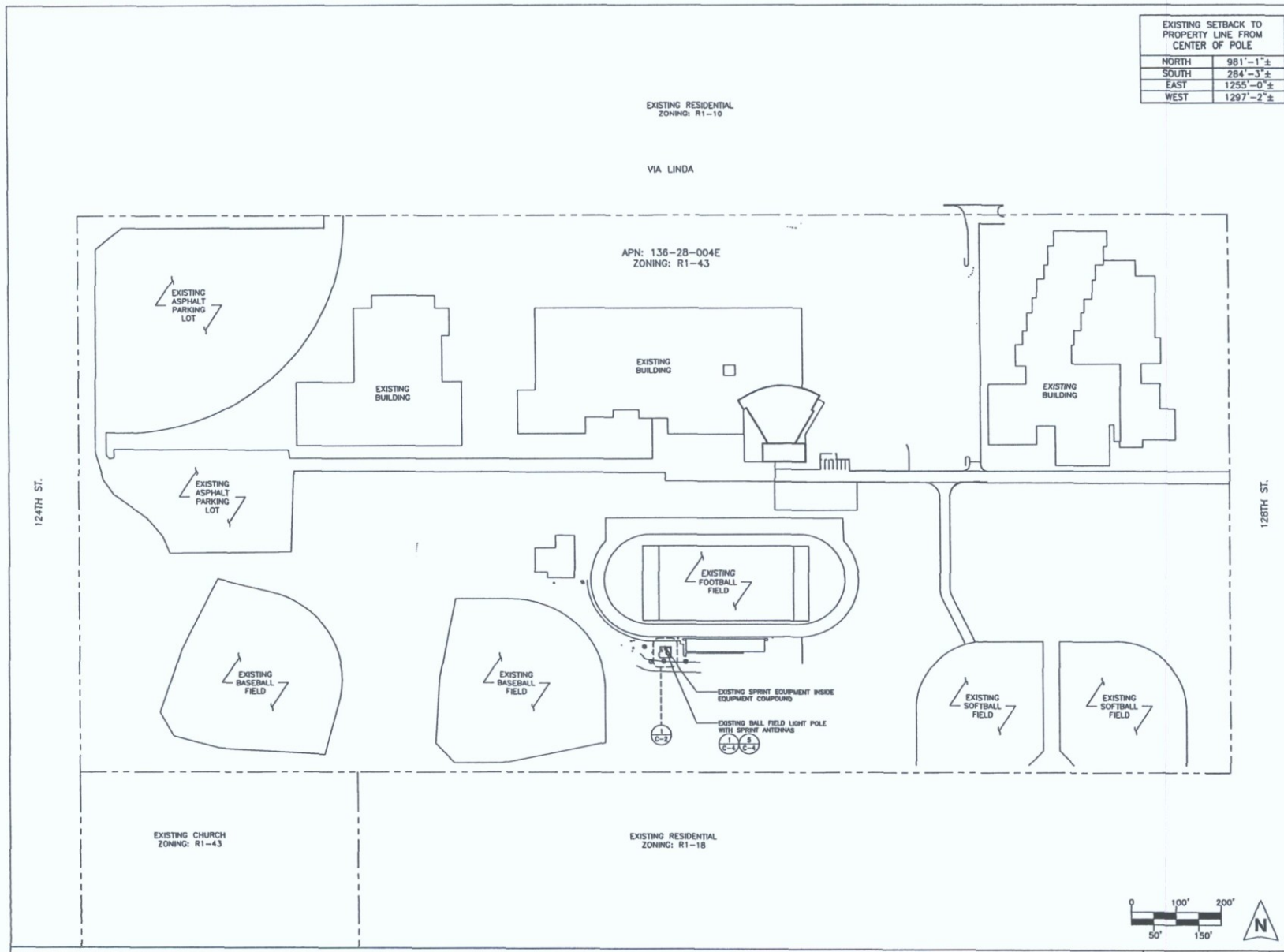
12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

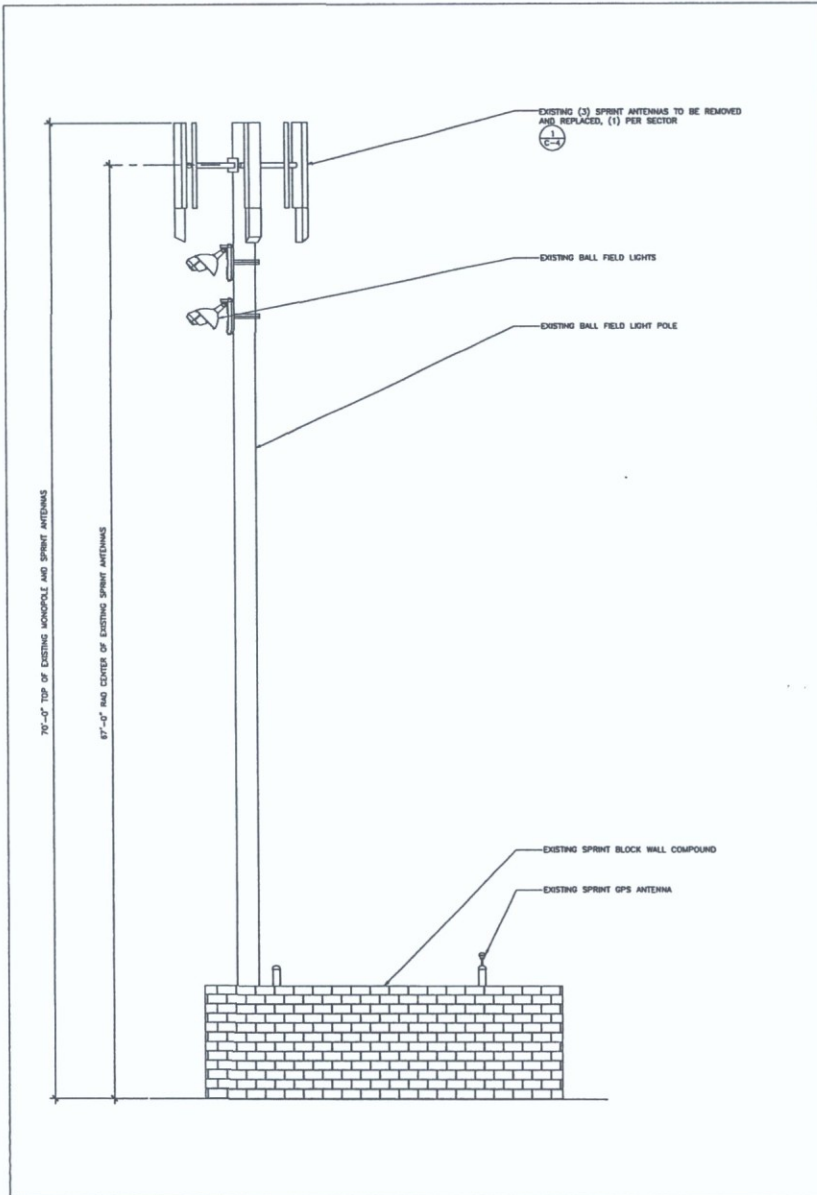
C-1



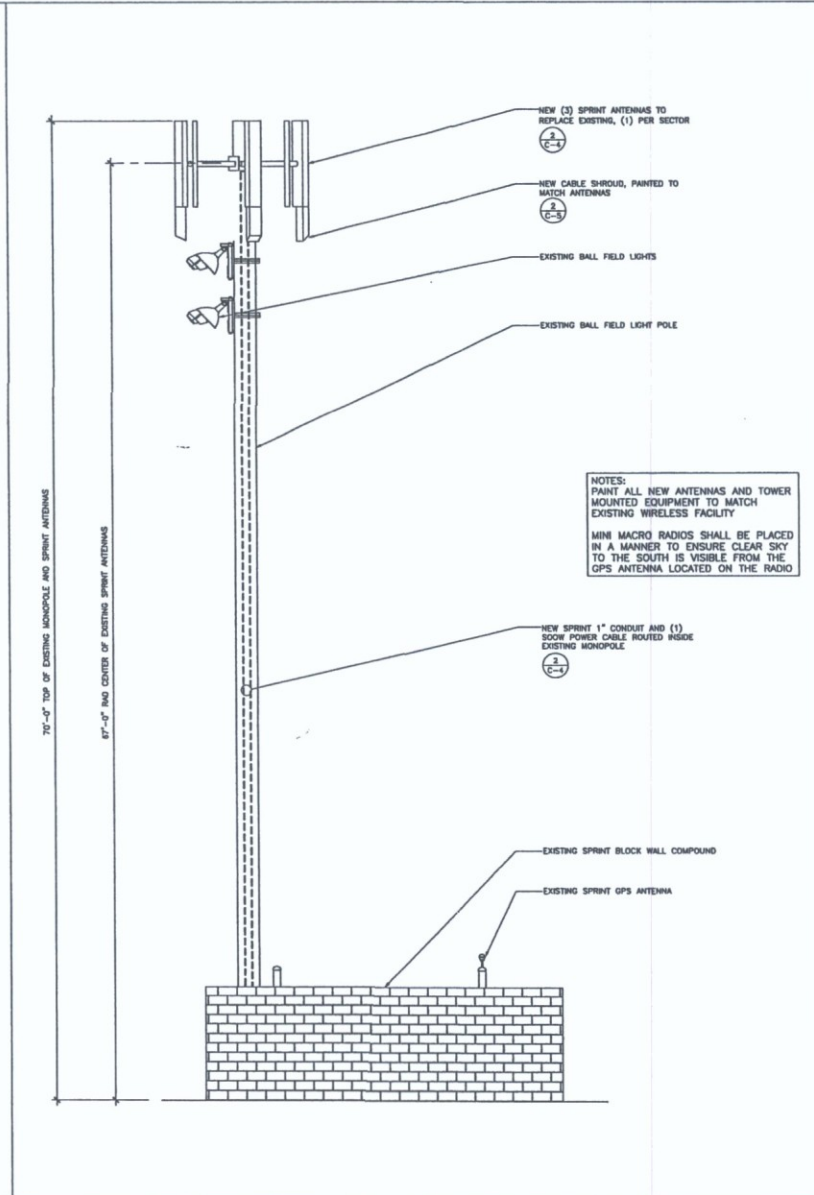
OVERALL SITE PLAN

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

1



EXISTING WEST ELEVATION SCALE: 1/4" = 1'-0" ON 24X36 ONLY 2



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

PLANS PREPARED FOR

Sprint
Together with Nextel.

CONSULTANT

COAL CREEK CONSULTING
 1535 N. HAVEN ROAD, STE 100 SCOTTSDALE, AZ 85257
 OFFICE (602) 328-0111 FAX: (602) 532-7407

ENGINEER OF RECORD

TERRA DYNAMIC ENGINEERING, LLC

 P.O. BOX 22131, PHOENIX, AZ 85028
 PHONE (602) 482-1503 FAX: (602) 928-2892

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

PROJECT INFORMATION

JOB: 01-027-04

PH80XC106
SUSD DESERT
MTN. HIGH

12575 E. VIA LINDA
SCOTTSDALE, AZ 85259

SHEET TITLE

ELEVATIONS

SHEET NUMBER

C-3



DESERT MOUNTAIN

HIGH SCHOOL

12575 E. Via Linda, Scottsdale, AZ 85259 [MAP](#)

Phone: 480-484-7000 | Attendance: 480-484-7003 | Fax: 480-484-7001

Office Hours: 7:00am - 3:30pm | School Hours: 7:45am - 2:20pm

Nikki Wilfert, Principal | Kris Alexander, Danielle Fuchs, Chris Hartmann & David Vines, AP's



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DMHS Announcements

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ANNOUNCEMENTS



Sprint To Update Wireless Antennas

Nov 29, 2016

Category: [DMHS Announcements](#)

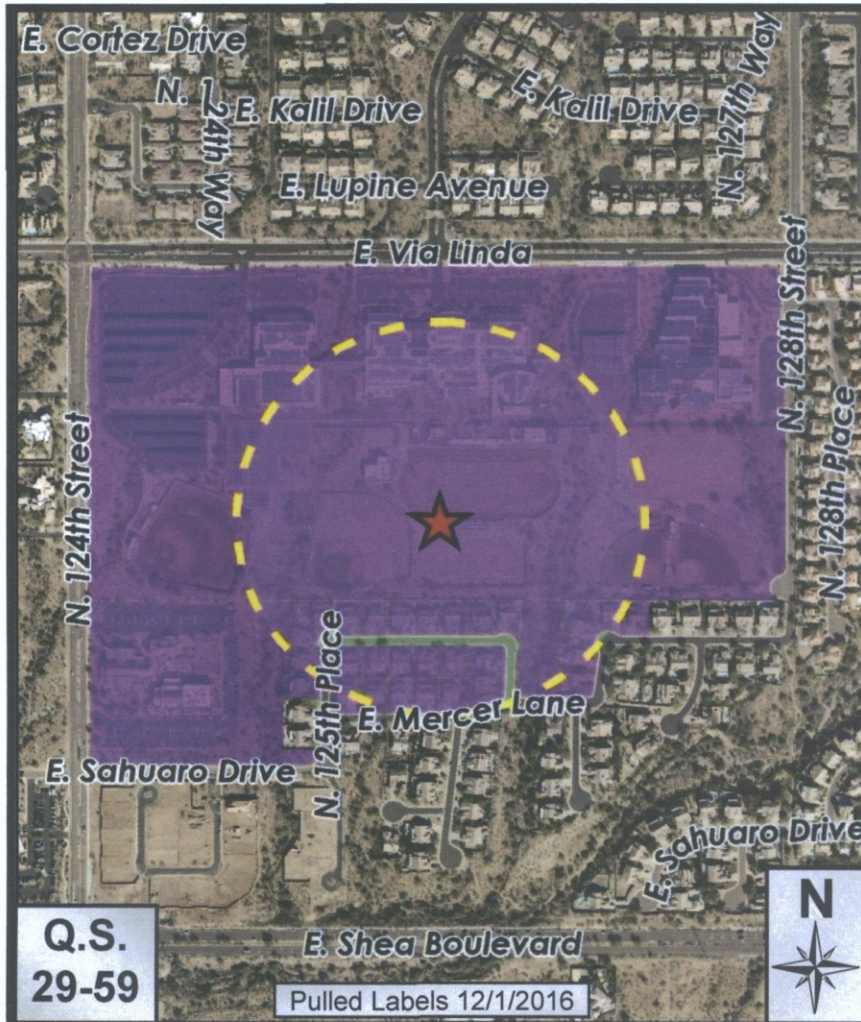


In response to improvements and changes in technology, and the commitment to provide service throughout this area, Sprint is requesting approval for the replacement of three (3) existing antennas with three (3) new antennas of similar size on the existing football stadium lights.



Three (3) Remote Radio Heads will also be installed behind the antenna array on the existing stadium light. If you have any questions or comments, please contact Steve Ciolek at 480-246-4131

City Notifications – Mailing List Selection Map

ATTACHMENT #7



Map Legend:

-  Site Boundary
-  Properties within 750-feet
- 64 Postcards

Additional Notifications:

- Interested Parties List
- Adjacent HOA's
- P&Z E-Newsletter
- Facebook
- Twitter
- Nextdoor.com
- City Website-Projects in the hearing process

Sprint/Desert Mountain HS WCF

30-DR-2011 #3