

Full Size

8.5 x 11

11 x 17

(site plan, landscape, elevations)

T-Mobile

SITE #: PH10921B
 SITE NAME: PROPOSED STOP LIGHT NORTH
 STATE: ARIZONA
 COUNTY: MARICOPA
 DESIGN TYPE: PROPOSED TRAFFIC LIGHT POLE

CLIENT
T-Mobile
 2625 S. PLAZA DR. #400, TEMPE, ARIZONA, 85282
 PHONE: (480) 638-2600 FAX: (480) 638-2852

CONSULTANT
COAL CREEK CONSULTING
 1525 N. HAYDEN ROAD, STE 100
 SCOTTSDALE, AZ 85257
 PHONE: (480) 638-2600 FAX: (480) 638-2852
 ENGINEER OF RECORD

SEAL

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/NFPA-70

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.

PROJECT SUMMARY

SITE ADDRESS:
 11034 E. DYNAMITE RD.
 SCOTTSDALE, AZ 85262

LANDLORD:
 CITY OF SCOTTSDALE

ZONING CLASSIFICATION: R1-8
 JURISDICTION: SCOTTSDALE
 APN: N/A
 EXISTING USE: EXISTING TRAFFIC SIGNAL
 PROPOSED USE: EXISTING TRAFFIC SIGNAL/CELLULAR SITE
 QUARTER SECTION: 51-54

PROJECT DESCRIPTION

T-MOBILE PROPOSES TO INSTALL THE FOLLOWING ITEMS:
 REMOVE EXISTING TRAFFIC LIGHT POLE
 ADD PROPOSED TRAFFIC LIGHT POLE
 ADD DECORATIVE METAL AROUND EQUIPMENT
 ADD SITE SUPPORT CABINET
 ADD (1) STACK OF (5) FLEXI CABINETS
 ADD TERMINATION FRAME
 ADD METER/DISCONNECT
 ADD POWER PROTECTION CABINET
 ADD (1) CIENA 3911
 ADD UNDERGROUND COAX TO POLE AND UP INSIDE POLE TO ANTENNAS

PROJECT TEAM

PROJECT MANAGER:
 T-MOBILE
 2625 S. PLAZA DR. #400
 TEMPE, ARIZONA 85282
 CONTACT: KEVIN BRANTLEY
 PHONE: (480) 638-2600
 FAX: (480) 638-2852
CONSTRUCTION MANAGER:
 MEQ CONSTRUCTION MANAGEMENT, LLC
 2625 S. PLAZA DR. #400
 TEMPE, ARIZONA 85282
 CONTACT: RAIMIE FORTNEY
 PHONE: (602) 689-0122

SITE ACO CONSULTANT:
 COAL CREEK CONSULTING
 1525 N. HAYDEN ROAD, STE 100
 SCOTTSDALE, ARIZON 85257
 CONTACT: JEFF PETERSEN
 PHONE: (903) 422-6818
 FAX (602) 532-7407

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

SURVEYOR:
 AMBIT CONSULTING
 412 E. SOUTHERN AVE.
 TEMPE, ARIZONA 85282
 CONTACT: MATTHEW FORD
 PHONE (602) 463-0472

SHEET INDEX

T-1 TITLE SHEET, VICINITY MAP & GENERAL INFO.
 LS-1 SITE SURVEY
ZONING:
 Z-1 SITE PLAN
 Z-2 ENLARGED SITE PLAN
 Z-3 ENLARGED LEASE AREA DIMENSION/ANTENNA PLAN
 Z-4 ELEVATIONS

SIGNAL DESIGN:
 SD-1 TRAFFIC SIGNAL DESIGN AND GENERAL NOTES
 SD-2 FOUNDATION DESIGN AND GENERAL NOTES

STIPULATION SET
 RETAIN FOR RECORDS
 APPROVED

9-3-15 DATE KN INITIALS

VICINITY MAP



DRIVING DIRECTIONS

TAKE THE US 60 EAST TO THE LOOP 101 NORTH AND EXIT ON PINA ROAD AND TAKE A RIGHT TO DYNAMITE BOULEVARD AND TAKE A RIGHT AND CONTINUE OVER HILL AND THE ROAD TURNS INTO RIO VERDE DRIVE AND THE SITE WILL BE ON THE NORTH EAST CORNER OF RIO VERDE DRIVE AND ALMA SCHOOL ROAD

NO.	DATE	DESCRIPTION	BY
1	04/30/15	REVIEW	SPE
2	05/05/15	REVISION 1	SPE
3	05/11/15	SUBMITTAL	SPE
4	05/21/15	REVISION 2	SPE
5	07/27/15	CITY COMMENTS	SPE

PROJECT INFORMATION
 JOB: 03-006-03

PH10921B
 PROPOSED STOP
 LIGHT NORTH
 11034 E. DYNAMITE RD.
 SCOTTSDALE, AZ 85262

SHEET TITLE

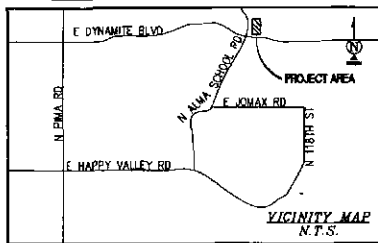
TITLE SHEET, VICINITY
 MAP & GENERAL
 INFORMATION

JURISDICTIONAL APPROVAL

98-DR-2005 #3
 7/02/15

SHEET NUMBER

T-1



DIRECTIONS TO SITE

FROM T-MOBILE OFFICES IN TEMPE, AZ. HEAD NORTH ON S PLAZA DR. TURN RIGHT TOWARD S PRIEST DR. TURN LEFT ONTO S PRIEST DR. TURN RIGHT ONTO THE AZ-202 LOOP E RAMP. KEEP LEFT AT THE FORK. FOLLOW SIGNS FOR ARIZONA 202 LOOP E AND MERGE ONTO AZ-202 LOOP E. TAKE EXIT 9 FOR AZ-101 LOOP N/AZ-101 LOOP S. KEEP LEFT AT THE FORK. FOLLOW SIGNS FOR AZ-101 LOOP N AND MERGE ONTO AZ-101 LOOP N. TAKE EXIT 36 TO MERGE ONTO N PIMA RD TOWARD PRINCESS DR. TURN RIGHT TO STAY ON N PIMA RD. CONTINUE STRAIGHT TO STAY ON N PIMA RD. TURN RIGHT ONTO E DYNAMITE BLVD. TURN LEFT ONTO N ALMA SCHOOL PKWY. DESTINATION WILL BE ON THE RIGHT.

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT BLUE STAKE AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 12A' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'SMARTNET' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE CENTRAL ZONE, DETERMINED BY GPS OBSERVATIONS.

SURVEY DATE

12/12/2014

SCHEDULE "B" NOTE

REFERENCE IS MADE TO THE TITLE REPORT ORDER #21500175, ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY, DATED JANUARY 6, 2015. ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED.

NOTE: SCHEDULE B ITEM(S) #1, 2, 10 AND 11 ARE NOT SURVEY MATTERS AND HAVE NOT BEEN PLOTTED.

3. ALL MATTERS AS SET FORTH IN MAP OF DEDICATION FOR PINNACLE PEAK VILLAGE NORTH RECORDED AS BOOK 312 OF MAPS, PAGE 43 OF OFFICIAL RECORDS. (DOES NOT AFFECT LEASE AREA)

4. ALL MATTERS AS SET FORTH IN MAP OF DEDICATION FOR ALMA SCHOOL PARKWAY IN TROON NORTH RECORDED AS BOOK 343 OF MAPS, PAGE 6 OF OFFICIAL RECORDS. (PLOTTED)

5. ALL MATTERS AS SET FORTH IN PINNACLE VIEWS AT TROON NORTH PHASE 1 RECORDED AS BOOK 349 OF MAPS, PAGE 15 OF OFFICIAL RECORDS. (PLOTTED)

6. COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, LIABILITIES AND OBLIGATIONS IN THE DOCUMENT RECORDED AS 85-128823, FIRST SUPPLEMENTAL RECORDED AS 85-425470 AND FIRST CERTIFICATE RECORDED AS 87-023350 OF OFFICIAL RECORDS, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN, TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE TITLE 42, SECTION 3604(C), OF THE UNITED STATES CODES. (DOES NOT AFFECT LEASE AREA)

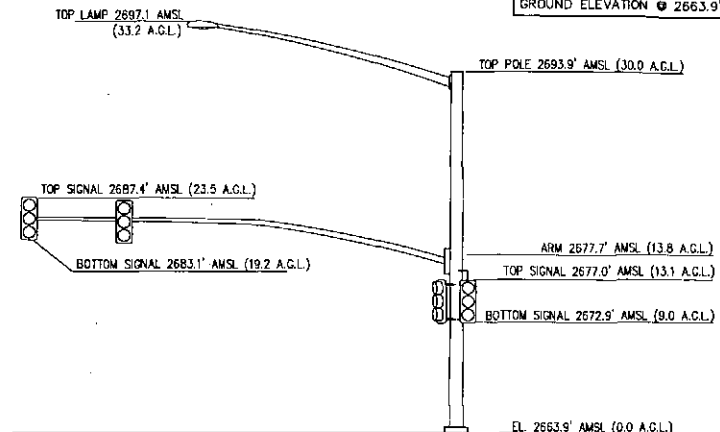
7. ALL MATTERS AS SET FORTH IN BOUNDARY ADJUSTMENT AND EASEMENT AGREEMENT RECORDED AS 88-314045 OF OFFICIAL RECORDS. (DOES NOT AFFECT LEASE AREA)

8. ALL MATTERS AS SET FORTH IN INGRESS-EGRESS AGREEMENT RECORDED AS 89-025708 OF OFFICIAL RECORDS. (NOTHING TO PLOT)

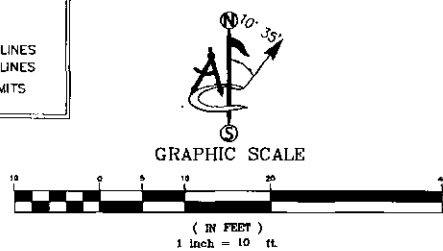
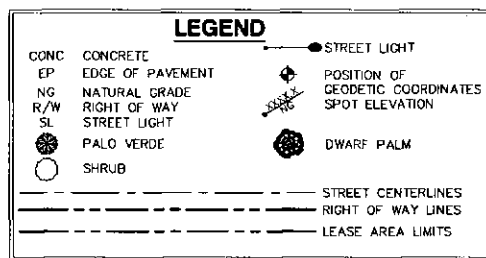
9. ALL MATTERS AS SET FORTH IN PLS SUBDIVISION - RECORD OF SURVEY RECORDED AS BOOK 672 OF MAPS, PAGE 2 AND AMENDED RECORDED AS BOOK 1091 OF MAPS, PAGE 41 OF OFFICIAL RECORDS. (DOES NOT AFFECT LEASE AREA)

THE SURVEYOR'S OPINION IS THAT NO SCHEDULE "B" ITEMS PROVIDED BY SAID REPORT AFFECT THE PROPOSED LEASE AREA PREMISES SHOWN HEREON.

POSITION OF GEODETIC COORDINATES
 LATITUDE 33° 44' 32.9" NORTH (NAD83)
 LONGITUDE 111° 50' 32.6" WEST (NAD83)
 GROUND ELEVATION 2663.9' (NAVD88)



TRAFFIC LIGHT DETAIL



LESSOR'S LEGAL DESCRIPTION

THAT PORTION OF THE SOUTHERLY 402.26 FEET OF ALMA SCHOOL PARKWAY AS SET FORTH IN MAP OF DEDICATION FOR ALMA SCHOOL PARKWAY IN TROON NORTH, ACCORDING TO BOOK 343 OF MAPS, PAGE 6, RECORDS OF MARICOPA COUNTY, ARIZONA.

LEASE AREA LEGAL DESCRIPTION

A PORTION OF THE SOUTHERLY 402.26 FEET OF ALMA SCHOOL PARKWAY AS SET FORTH IN MAP OF DEDICATION FOR ALMA SCHOOL PARKWAY IN TROON NORTH, ACCORDING TO BOOK 343 OF MAPS, PAGE 6, RECORDS OF MARICOPA COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE APPARENT CENTERLINE INTERSECTION OF DYNAMITE BOULEVARD AND ALMA SCHOOL ROAD. THENCE NORTH 16°32'38" EAST ALONG THE APPARENT CENTERLINE OF ALMA SCHOOL ROAD, A DISTANCE OF 86.15 FEET; THENCE DEPARTING SAID CENTERLINE, SOUTH 73°27'22" EAST, A DISTANCE OF 28.01 FEET TO THE POINT OF BEGINNING; THENCE NORTH 16°36'40" EAST, A DISTANCE OF 11.00 FEET; THENCE SOUTH 73°23'20" EAST, A DISTANCE OF 7.00 FEET; THENCE SOUTH 18°36'40" WEST, A DISTANCE OF 11.00 FEET; THENCE NORTH 73°23'20" WEST, A DISTANCE OF 7.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 77 SQUARE FEET, MORE OR LESS

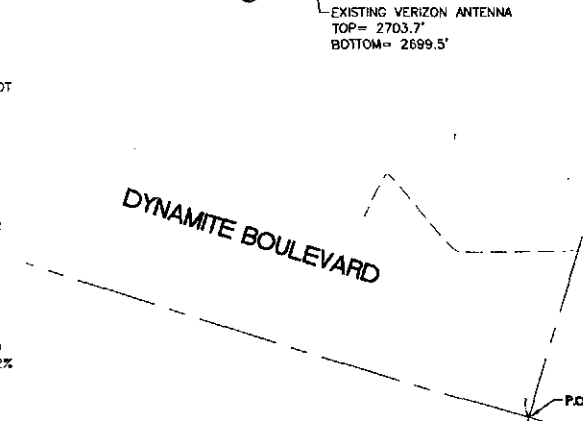
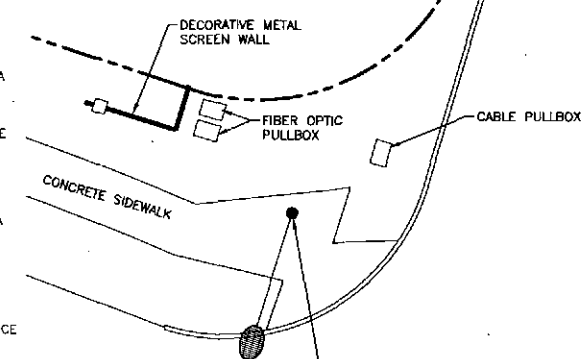
RESERVING NONEXCLUSIVE RIGHT OF USE ACROSS LESSOR'S PROPERTY FOR NECESSARY APPURTENANCES TO CONSTRUCT, OPERATE, AND MAINTAIN A COMMUNICATION FACILITY FOR ITEMS SUCH AS, BUT NOT LIMITED TO INGRESS, EGRESS, PARKING, VEHICULAR MANEUVERING, EQUIPMENT, AND UTILITIES.

SURVEYOR'S NOTES

SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

FLOOD ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #04013C1350L, DATED OCTOBER 16, 2013.



LINE TABLE		
LINE#	LENGTH	DIRECTION
L1	11.00'	N16°36'40"E
L2	7.00'	S73°23'20"E
L3	11.00'	S18°36'40"W
L4	7.00'	N73°23'20"W

T-Mobile
 2625 S. PLAZA DRIVE, SUITE 400
 TEMPE, AZ 85282
 PH: (480) 638-2600
 FAX: (480) 638-2652

PROJECT INFORMATION:
DYNAMITE AND ALMA SCHOOL PH10921B
 11034 EAST DYNAMITE ROAD
 SCOTTSDALE, AZ 85262
 MARICOPA COUNTY

ORIGINAL ISSUE DATE:
 12/16/2014

REV.	DATE	DESCRIPTION	BY
A	12/16/2014	PRELIMINARY	CK
1	12/18/2014	ADD CONTOURS	CK
2	05/04/2015	FINAL	CK

PROJECT COORDINATION:
COAL CREEK CONSULTING
 1525 N. HAYDEN ROAD, SUITE 100
 SCOTTSDALE, AZ 85257
 PH: (602) 326-0111
 FAX: (602) 532-7407

PLANS PREPARED BY:

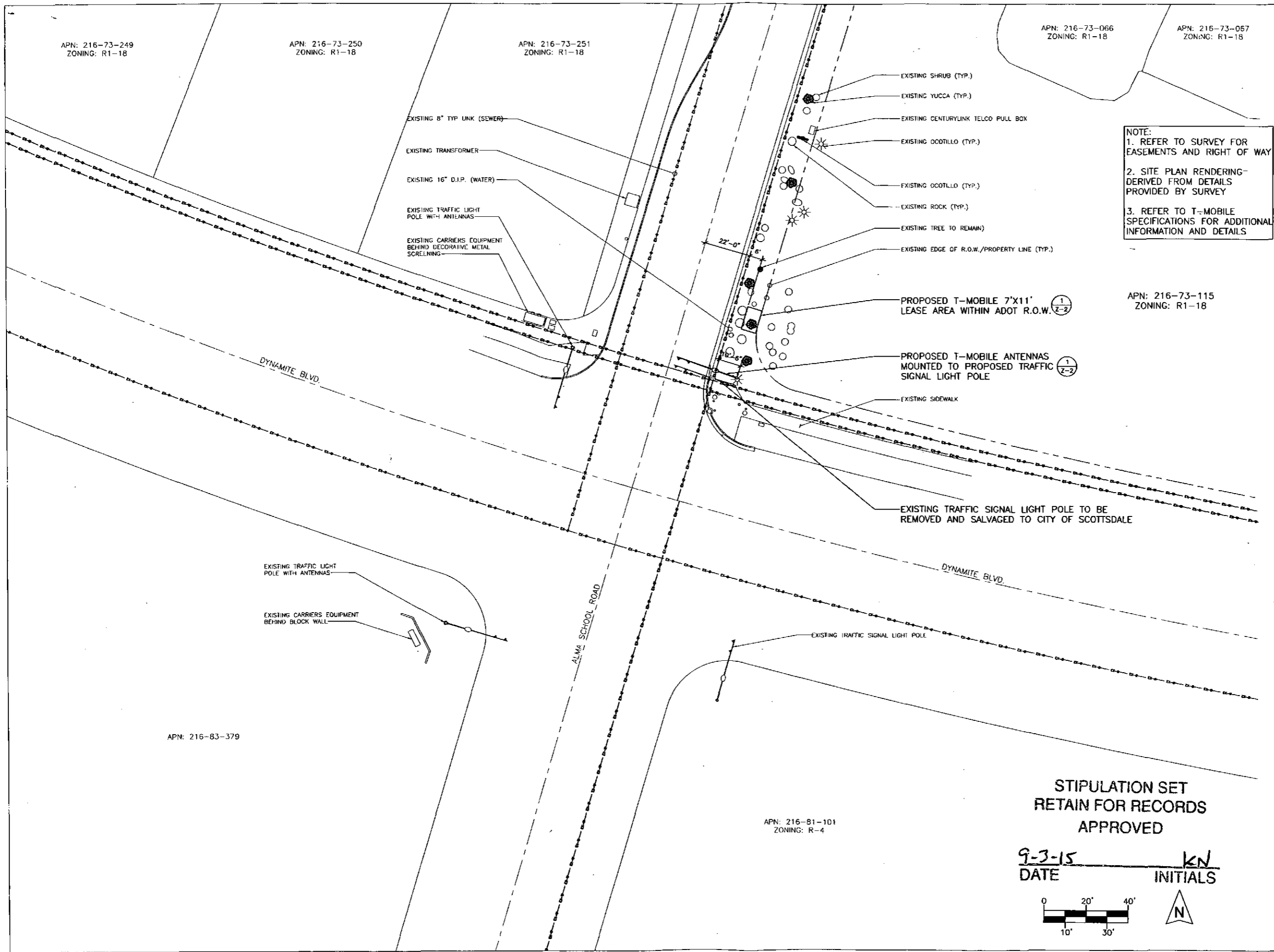
CONSULTANT:
Ambit
 412 EAST SOUTHERN AVENUE
 TEMPE, ARIZONA 85282 (480)659-4072

DRAWN BY: _____ CHK: _____ APV: _____
 CK MF MF

LICENSER:

SHEET TITLE:
 SITE SURVEY

SHEET NUMBER:
 LS-1



NOTE:
 1. REFER TO SURVEY FOR EASEMENTS AND RIGHT OF WAY
 2. SITE PLAN RENDERING- DERIVED FROM DETAILS PROVIDED BY SURVEY
 3. REFER TO T-MOBILE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND DETAILS

APN: 216-73-115
 ZONING: R1-18

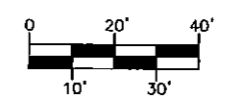
APN: 216-73-066
 ZONING: R1-18

APN: 216-73-067
 ZONING: R1-18

APN: 216-81-101
 ZONING: R-4

STIPULATION SET
 RETAIN FOR RECORDS
 APPROVED

9-3-15 DATE KEN INITIALS



SCALE: 1" = 20'-0"

CLIENT
T-Mobile
 2625 S. PLAZA DR. #400, TEMPE, ARIZONA, 85282
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CONSULTANT
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 1525 N. HAYDEN ROAD, STE 100
 SCOTTSDALE, AZ 85257
 PHONE: (480) 638-2600 FAX: (480) 638-2852
 ENGINEER OF RECORD

SEAL

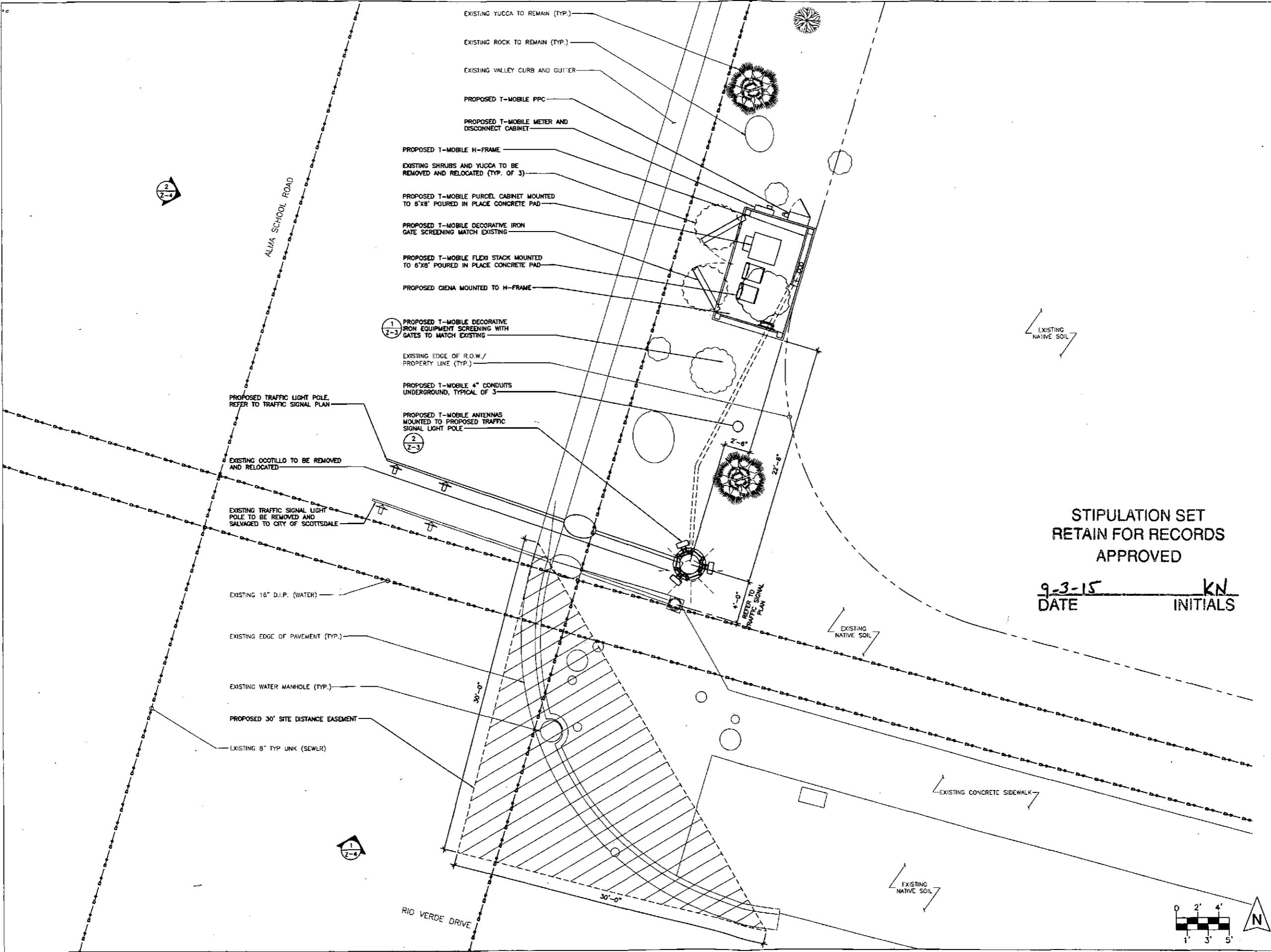
NO.	DATE	DESCRIPTION	BY
1	04/30/15	REVIEW	SPE
2	05/05/15	REVISION 1	SPE
3	05/11/15	SUBMITTAL	SPE
4	05/21/15	REVISION 2	SPE
5	07/27/15	CITY COMMENTS	SPE

PROJECT INFORMATION
 JOB: 03-008-03
PH10921B
PROPOSED STOP LIGHT NORTH
 11034 E. DYNAMITE RD.
 SCOTTSDALE, AZ 85282

SHEET TITLE
SITE PLAN

JURISDICTIONAL APPROVAL

SHEET NUMBER
Z-1



STIPULATION SET
RETAIN FOR RECORDS
APPROVED

9-3-15 DATE KN INITIALS

CLIENT
T-Mobile
2625 S. PLAZA DR. #400, TEMPE, ARIZONA, 85282
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CONSULTANT
COAL CREEK CONSULTING
1525 N. HAYDEN ROAD, STE 100
SCOTTSDALE, AZ 85257
PHONE: (480) 638-2600 FAX: (480) 638-2852
ENGINEER OF RECORD

SEAL

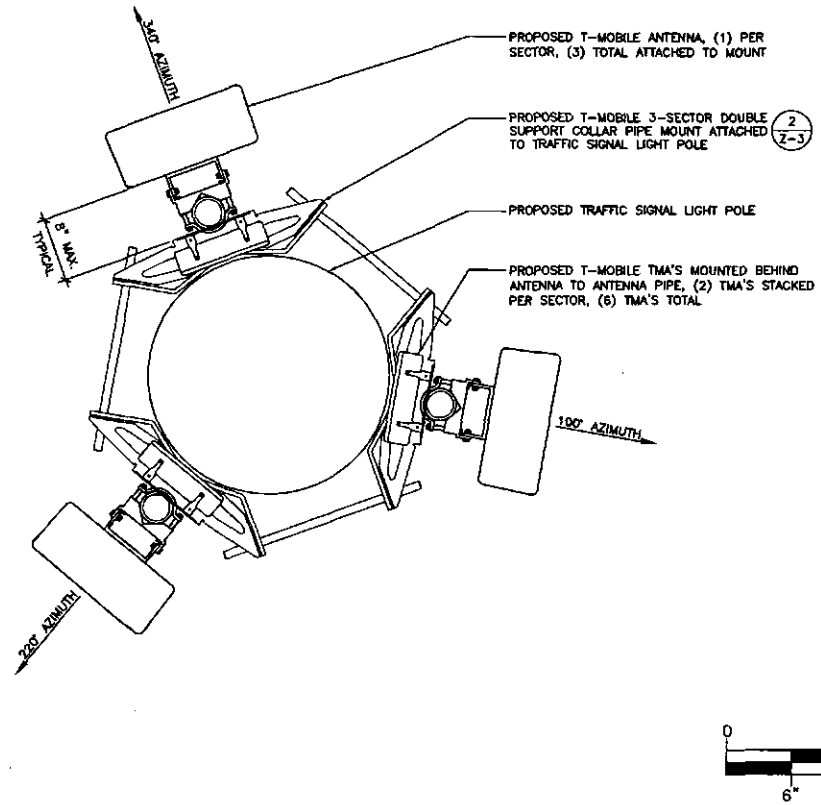
NO.	DATE	DESCRIPTION	BY
1	04/30/15	REVIEW	SPE
2	05/05/15	REVISION 1	SPE
3	05/11/15	SUBMITTAL	SPE
4	05/21/15	REVISION 2	SPE
5	07/27/15	CITY COMMENTS	SPE

PROJECT INFORMATION
JOB: 03-006-03
PH10921B
PROPOSED STOP LIGHT NORTH
11034 E DYNAMITE RD.
SCOTTSDALE, AZ 85262

SHEET TITLE
ENLARGED SITE PLAN

JURISDICTIONAL APPROVAL

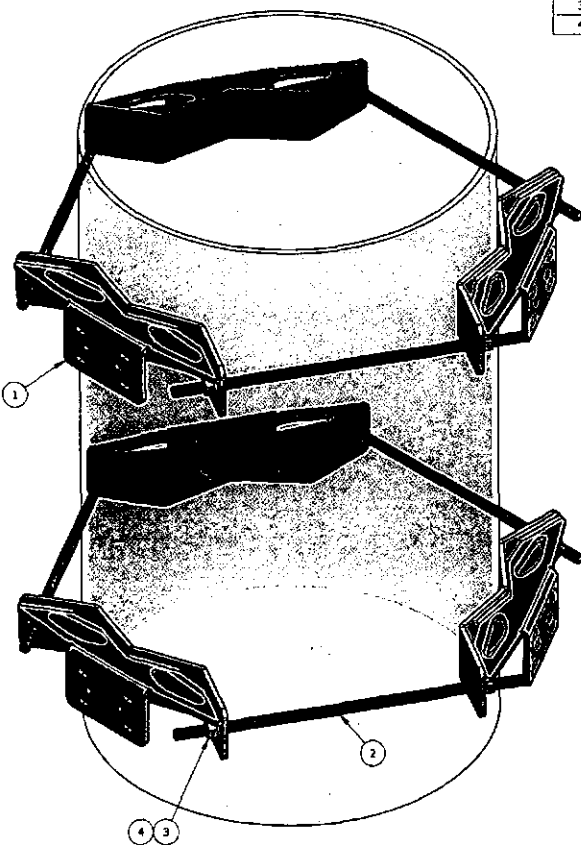
SHEET NUMBER
Z-2



ENLARGED ANTENNA PLAN

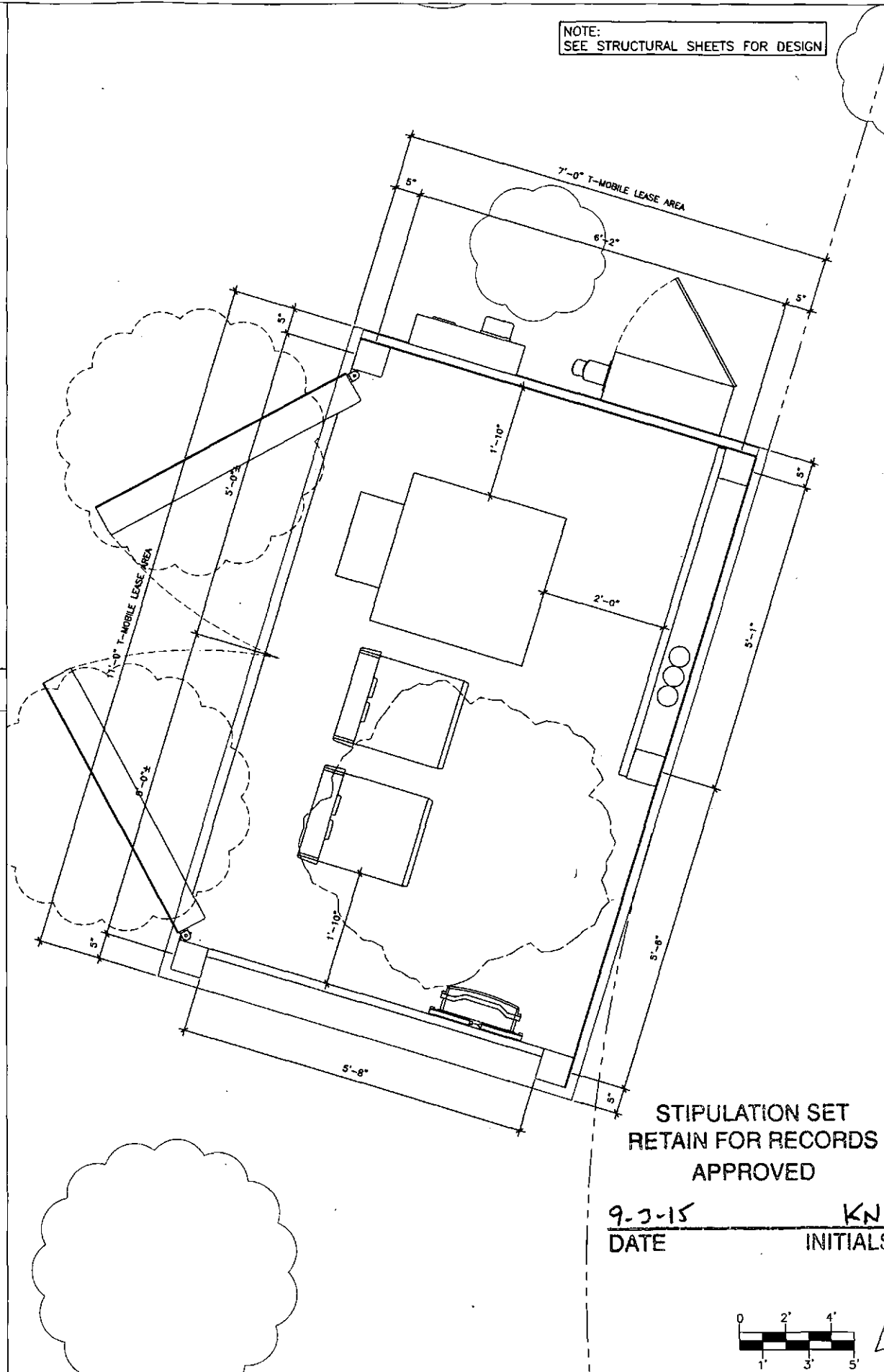
SCALE: 1 1/2" = 1'-0" 2

ITEM	PART #	DESCRIPTION	QTY	UNIT WT
1	MPM1030-3.01	3-SECTOR 10" TO 30" COLLAR PIPE MOUNT WELDMENT	6	18.53
2	27-5580-005	GALV. 3/4" B7 ALL THREAD @ 26" LONG	6	3.25
3	27-5490-005	GALV. 3/4" LOCK WASHER	12	0.05
4	27-5501-005	GALV. 3/4" HEX NUT REGULAR	12	0.14



3-SECTOR DOUBLE SUPPORT PIPE MOUNT (PROPOSED AVE PART # MPM1030-3)

SCALE: N.T.S. 3



ENLARGED LEASE AREA DIMENSION PLAN

SCALE: 3/4" = 1'-0" 1

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 ENGINEER OF RECORD

SEAL

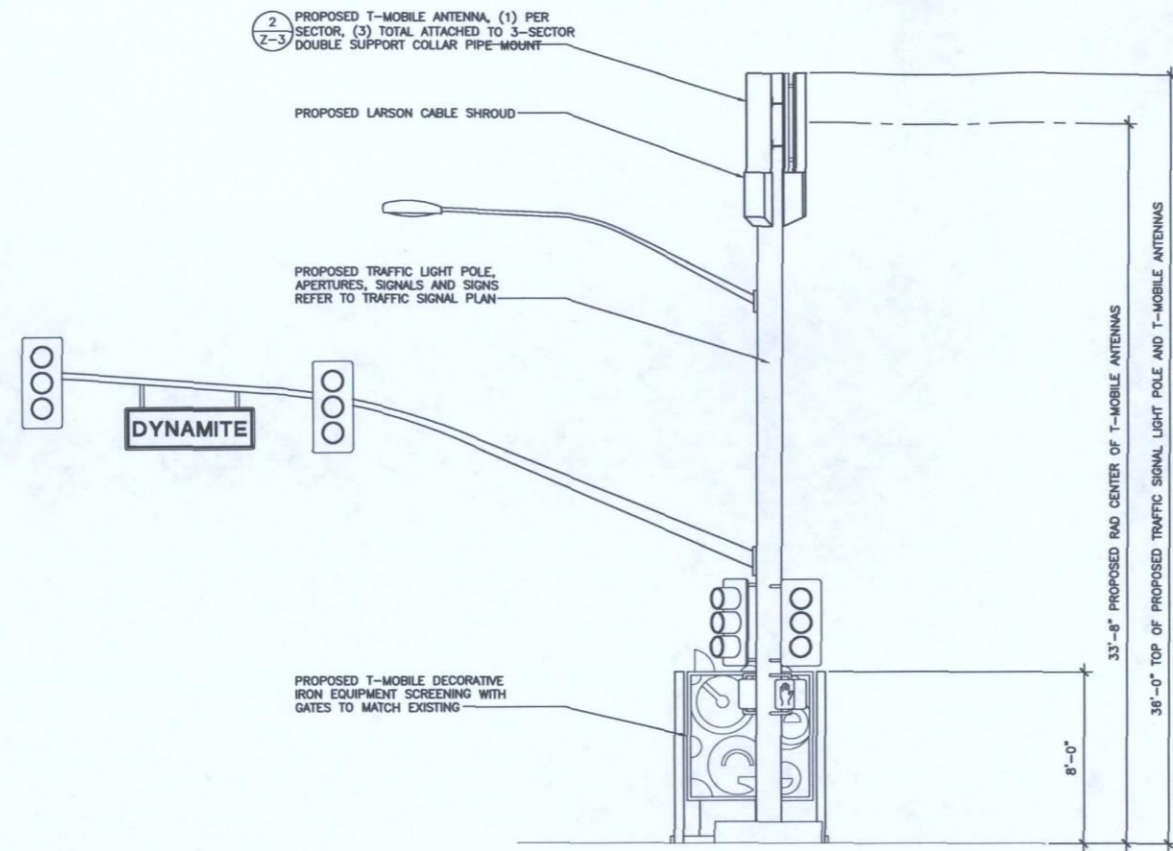
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3	05/11/15	SUBMITTAL	SPE
4	05/21/15	REVISION 2	SPE
5	07/27/15	CITY COMMENTS	SPE

PROJECT INFORMATION
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PH10921B
PROPOSED STOP LIGHT NORTH
 11034 E. DYNAMITE RD.
 SCOTTSDALE, AZ 85262

SHEET TITLE
ENLARGED LEASE AREA DIMENSION/ ANTENNA PLAN

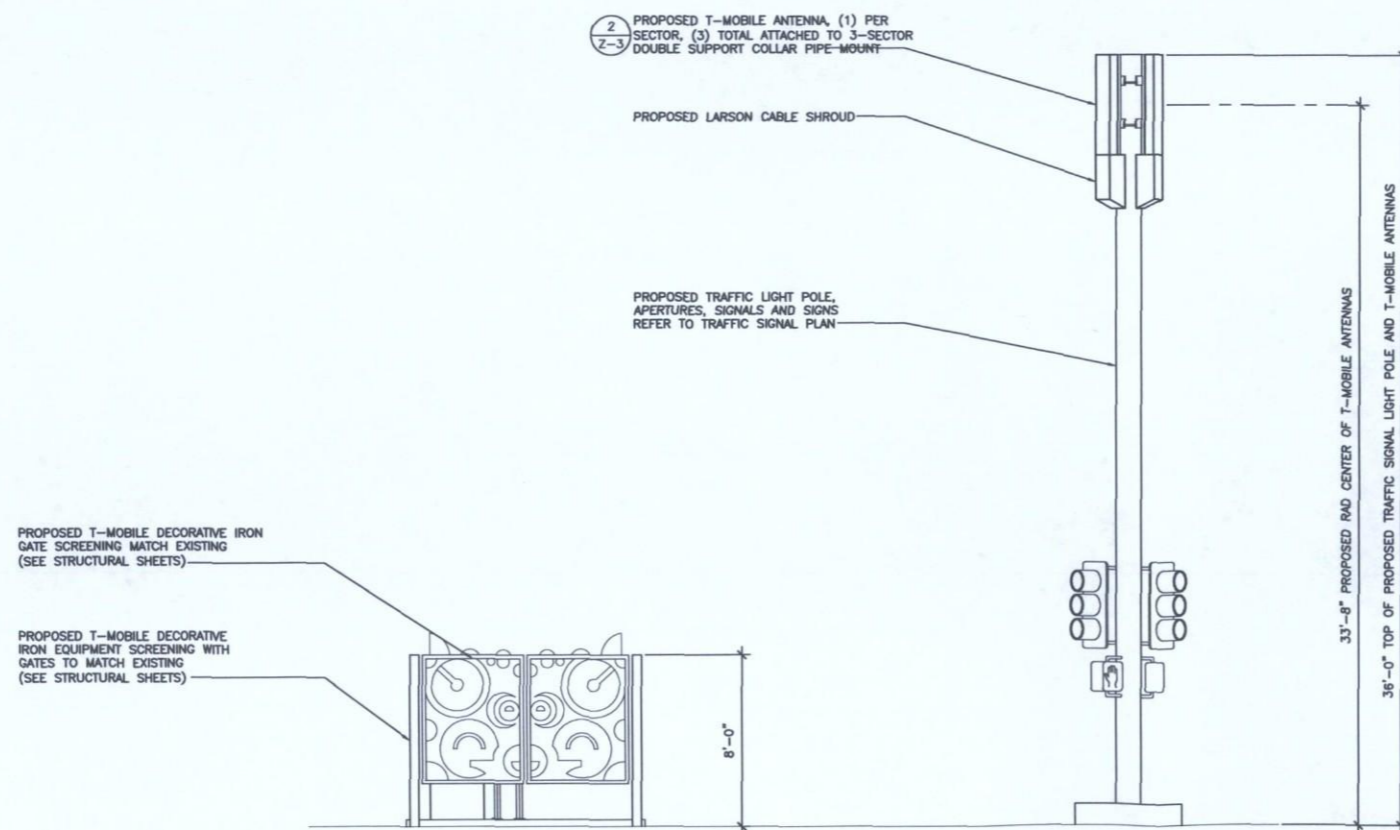
JURISDICTIONAL APPROVAL

SHEET NUMBER
Z-3



PROPOSED SOUTH ELEVATION

SCALE: 1/4" = 1'-0" 1



PROPOSED WEST ELEVATION

SCALE: 1/4" = 1'-0" 2

NOTES:
PAINT ALL PROPOSED ANTENNA AND APPURTENANCES TO MATCH POLE, PER LOCAL JURISDICTION REQUIREMENTS

CLIENT
T-Mobile
2825 S. PLAZA DR. #400, TEMPE, ARIZONA, 85282
PHONE: (480) 638-2600 FAX: (480) 638-2852

CONSULTANT
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1525 N. HAYDEN ROAD, STE 100
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ENGINEER OF RECORD

SEAL

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PROJECT INFORMATION
JOB: 03-006-03

**PH10921B
PROPOSED STOP
LIGHT NORTH**

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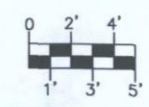
SHEET TITLE
ELEVATIONS

JURISDICTIONAL APPROVAL

STIPULATION SET
RETAIN FOR RECORDS
APPROVED

9-3-15
DATE

KN
INITIALS



SHEET NUMBER
Z-4

DESIGN FILE: C:\NF\16\System\Clients\Scottsdale\Projects\030211\CADD\Drawings\02614\Alma School at Dynamite Call Pole REV 12-14-14.dgn PLOT DATE: 12/29/2014 9:27:31 AM

GENERAL NOTES FOR TRAFFIC SIGNAL CONSTRUCTION

- All signing, and work zone traffic control type and layout shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices". Work zone traffic control shall conform to the City of Phoenix "Traffic Barricade Manual" and/or as directed by the City Public Works Inspector, or the Traffic Engineering Division.
- ASTM Type IV Sheeting (min.) shall be used for all warning and regulatory signs.
- Utility locations shown are based upon the best available information. The Contractor shall contact Blue Stake at 602-263-1100 before construction and verify actual utility locations.
- Poles & mast arms shall be primed & painted with two coats of "Western Reserve", Frazee #8716N enamel paint meeting ADOT Specification Section #1002.
- All backplates shall be lowered.
- Furnish longer nipples than standard to eliminate conflicts between Type VII signal mountings and mast arms, as directed by Signal Inspector.
- Illuminated Metro Street Name Sign shall be furnished & installation coordinated with COS Signal Supervisor per COS Supplement to MAG Specifications, Section 402.3.4, and COS Standard Detail 2134-3.
- New signal and pedestrian indications shall be wide angle LED type lamps in accordance with the COS Design Standards and Policies Manual.
- Remove & salvage existing pole and all attached equipment to the City Yard, at 9191 E. San Salvador Drive, Scottsdale, AZ. See Construction Note 2.
- All wires shall be color coded with tape as shown in COS Standard Detail 2141.
- Questions concerning traffic signal design should be directed to John Prowse, Lee Engineering, (602) 955-7206.
- At START of construction the contractor shall contact the COS Signal Supervisor at 480-312-5637 to coordinate inspection requirements and the pre-construction meeting. COS Traffic Signals shall be called 48 hours prior to all inspection points, as called for in the traffic signals special requirements as found in www.scottsdaleaz.gov/design/.
- All existing traffic control devices and street lights shall remain in operation until new installations are energized and operational. The use of a trailer-mounted temporary traffic signal and 2 Police officers may be required by the City. Shut down time limited to 9:00 AM to 3:30 PM only.
- New Special Type Q Pole on NE corner shall be 36' tall, Special Mono Pole for communications antenna, with luminaire arm at 29'-6", on new special foundation. See Valmont approved drawing DBO070.
- Grounding of new poles & cellular hardware shall be accomplished completely inside pole, and not visible on outside. The grounding conductors shall be encapsulated inside the new foundation at time of pouring, and shall be CAD-welded to the inside of the pole at the time of installation.
- Countdown style pedestrian head installation shall be coordinated with the COS Signal Supervisor at 480-312-5637.

CONTROLLER AND POLE SCHEDULE		
LOCATION (STA)	NO.	POLE LAYOUT
4' North of Existing	①	NEW: SPECIAL TYPE Q 36' MONO POLE 35' MAST ARM SPECIAL FOUNDATION (SEE NOTES & DETAIL) NEW: 15' LUMINAIRE ARM W/ 250W EQUIVALENT LED LUMINAIRE "DYNAMITE BLVD." METRO STREET NAME SIGN NEW SIGNALS/MTGS PFB'S W/SCOTTSDALE PLACARDS
EXISTING		ALL OTHER POLES & EQUIPMENT TO REMAIN AS IS

CONDUIT SCHEDULE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
CONDUIT RUN NO.	CONDUIT SIZE (IN.)																																	
AWG	CIRCUIT PHASE																																	
#14 IMSA 50-2	LOOP DETECTION																																	
	Ø1																																	
	Ø2																																	
	Ø3																																	
	Ø4																																	
	Ø7																																	
	Ø8																																	
#10 THHN	STREET LIGHTS		2																															
	Ø1			3																														
	Ø2																																	
#14 STRANDED IMSA CABLE	Ø3			3																														
	Ø4																																	
	Ø7																																	
	Ø8																																	
	PED SIG. M/H Ø1			2																														
	Ø3			2																														
	Ø5																																	
	PED P.B. Ø1			1																														
	Ø3																																	
	Ø5																																	
	PED P.B. COMMON			1																														
	PED SIG COMMON			1																														
	SIG COMMON			1																														
	SPARES																																	
#8	SOLID BARE BOND SIGNAL COMMON																																	
#6 THHN	HOT SIGNALS COMMON																																	
BELOEN 9418	TEL. INTERTIE																																	
OPTICON 138 CABLE	EVP																																	

CONDUIT SCHEDULE LEGEND

+ TWO 2 1/2" PVC CONDUITS
 / TWO 4" PVC CONDUITS DEDICATED TO CELLULAR ANTENNA CABLES

TWO 20-CONDUCTOR IMSA CABLES PER STREET CROSSING. USE 7-CONDUCTOR CABLE ON ALL OUTBOARD SIGNAL HEADS AND 4-CONDUCTOR ON ALL OTHER SIGNAL AND PEDESTRIAN HEADS. A 2-CONDUCTOR CABLE SHALL BE USED FOR PEDESTRIAN PUSH BUTTONS. THE SCHEDULE INDICATES THE MINIMUM CONDUCTORS NEEDED. SEE LATEST C.O.S. STANDARDS

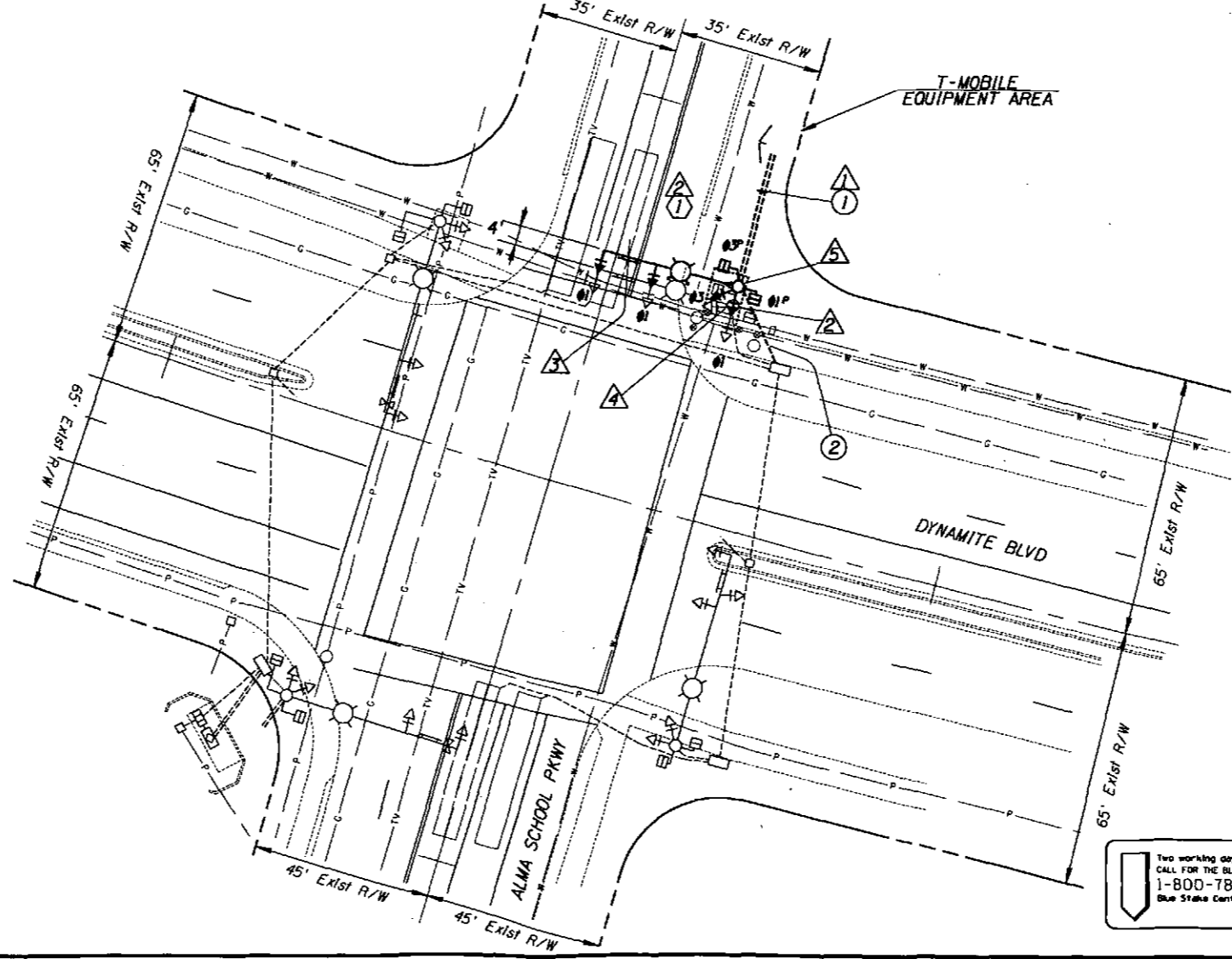
CONSTRUCTION NOTES

- ① Install two 4-inch PVC conduits from pole base to T-Mobile equipment area. See foundation detail notes for other conduits.
- ② Existing pole to be removed & salvaged to City of Scottsdale by contractor. Contractor shall disassemble & salvage all signals, arms, luminaire, signs, & ped button (all equipment and devices on pole). Coordinate with City minimum 48 hours in advance at (480) 312-5637. Foundation to be removed to a minimum 36" depth, backfilled, compacted, & surface repaired to match surrounding sidewalk. Remove conductors from existing conduit to pole. See Note 9.
- ③ Furnish & install new DYNAMITE BLVD illuminated metro street name sign. See Note 7.
- ④ Contractor to provide additional sidewalk for ADA access to pedestrian push button. See civil plans.
- ⑤ Contractor shall support the existing signal pole during the installation of the new foundation.

"AS BUILT" CERTIFICATION

I hereby certify that the "As Built" Improvements shown hereon are located as noted and the locations are correct to the best of my knowledge and belief.

Registered Civil Engineer _____ Date _____



Two working days before you dig
 CALL FOR THE BLUE STAKES
 1-800-782-5348
 Blue Stake Center

"PH10921B NEW STOP LIGHT NORTH"

DATE	REVISION	BY
PROJECT TITLE		
Alma School Pkwy at Dynamite Blvd		
REVIEW BY	DESIGNED BY	DRAWN BY
	DB	DB
DATE	AS-BUILT DATE	BID NO.
12/2014		
SCALE	SHT. 1 OF 2	
1"=20'		
ENGINEER'S STAMP	TRANSPORTATION DEPARTMENT	
	TRAFFIC ENGINEERING	
EXPIRES 3/31/17	7447 E. INDIAN SCHOOL ROAD, SCOTTSDALE, ARIZONA 85251	
TRAFFIC SIGNAL APPROVAL BLOCK		
ENGINEERING COORDINATION MANAGER (OR DESIGNED)	ENGINEERING REVIEW	TRAFFIC ENGINEERING DIRECTOR (OR DESIGNED)