

VICINITY MAP



DRIVING DIRECTIONS

DEPART I26 W GEMINI DR, TUCSON, AZ 85739.
 ON W GEMINI DR (EAST), TURN RIGHT (SOUTH) ONTO S MAPLE AVE. TURN LEFT (EAST) ONTO (W) QUADRALIFE RD. TURN RIGHT (SOUTH) ONTO S PRICE RD. TAKE RAMP (LEFT) ONTO AZ-101 LOOP (PRICE RAMP). AT EXIT 61B, TAKE RAMP (LEFT) ONTO AZ-202 LOOP (SANTAN Pkwy). AT EXIT 47, KEEP RIGHT (ONTO RAMP). TURN RIGHT (SOUTH) ONTO AZ-87 (S ARIZONA AVE). ROAD NAME CHANGES TO AZ-587 (LA-87). AT EXIT 237 (E US HWY 287), TAKE LOCAL ROAD(S) ONTO AZ-79 BLVD (S MAIN ST). MORE ONTO AZ-79 (PINK PONDERS PARK). TURN RIGHT (SOUTH) ONTO AZ-77 (N ORACLE RD). TURN LEFT (EAST) ONTO LOCAL ROAD(S). ROAD NAME CHANGES TO (E) GOLDER RANCH DR (E GOLDER RANCH RD). KEEP STRAIGHT ONTO (E) GOLDER RANCH DR. ARRIVE 3885 E GOLDER RANCH DR, TUCSON, AZ 85739.

GENERAL NOTES

THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT AS SET FORTH IN THE CONSTRUCTION DRAWINGS, CONTRACT DOCUMENTS AND THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SPECIFICATIONS SHOWN ON THESE DRAWINGS. THE ARCHITECTS/ENGINEERS ARE NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THE DRAWINGS OR FOR THE ACCURACY OF ANY DIMENSIONS, ELEVATIONS, OR BEARING DATA. THE ARCHITECT/ENGINEER OF ANY CONTRACTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF THE CONTRACTOR'S PROPOSAL, IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK UNLESS OTHERWISE DIRECTED.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
 2017 INTERNATIONAL BUILDING CODE (IBC)
 2017 INTERNATIONAL FIRE CODE (IFC)
 2017 INTERNATIONAL ELECTRICAL CODE (NEC)
 2017 INTERNATIONAL CODE BOOK (ICC)
 LOCAL BUILDING CODE(S)
 CITY AND/OR COUNTY ORDINANCES

JURISDICTION: PIMA COUNTY

SPECIAL INSPECTIONS REQUIRED

INSULATED CONCRETE: YES (PERIODIC)
 CONCRETE REINFORCING: YES (CONTINUOUS)
 BOLTS IN CONCRETE: YES (CONTINUOUS)
 MASONRY CONSTRUCTION: N/A
 STEEL CONSTRUCTION: N/A

FCC COMPLIANCE

ALL PROPOSED ANTENNAS SHALL BE IN COMPLIANCE WITH ALL FEDERAL COMMUNICATIONS COMMISSION (FCC) REGULATIONS, INCLUDING THOSE PROTECTING THE PUBLIC HEALTH AND WELFARE PROTECTING HISTORIC DISTRICTS.

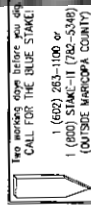
GENERAL COMPLIANCE

PERMITTED USE: THIS STRUCTURE IS NOT INTENDED FOR HUMAN OCCUPANCY. ITS USE IS SOLELY FOR ELECTRONIC EQUIPMENT COOLING. THIS PROJECT SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. PROVIDE STREET ADDRESS IDENTIFICATION PER MUNICIPAL REQUIREMENTS. THIS PROJECT DOES NOT REQUIRE WATER OR SEWER. THIS PROJECT REQUIRES PERMANENT POWER AND TELEPHONE CONNECTION.

verizon

TUC_BOWMAN

3885 E. GOLDER RANCH DR.
 TUCSON, AZ 85739
 APN: 222-22-0540



FOR MORE, SEE TABLE FOR BLUE STAMP CALL FOR THE BLUE STAMP!
 1 (602) 263-1100 or
 1 (800) STAMP-11 (785-5346)
 (OUTSIDE MARICOPA COUNTY)

SITE LOCATION INFORMATION

SITE NAME: TUC_BOWMAN
 SITE ADDRESS: 3885 E. GOLDER RANCH DR. TUCSON, AZ 85739
 APN NUMBER: 222-22-0540
 SITE COORDINATES: LATITUDE: 32° 29' 0.7" N (NAD 83)
 LONGITUDE: 110° 54' 37.5" W (NAD 83)
 ELEVATION: 3,079.7' (AUSL) (MANG 80)
 CURRENT ZONING: OR-1 (RURAL RESIDENTIAL ZONE)
 APPLICANT: VERIZON WIRELESS
 126 WEST GEMINI DRIVE
 TUCSON, ARIZONA 85739
 APPLICANT CONTACT: JACK MERRADA (602) 390-9844
 PROPERTY OWNER: GOLDER RANCH FIRE DISTRICT
 PHONE: (520) 825-5990

PROJECT TEAM

CLIENT: VERIZON WIRELESS
 126 WEST GEMINI DRIVE
 TUCSON, ARIZONA 85739
 CONTACT: JACK MERRADA
 PHONE: (602) 390-9844
 RF: JON CHANDLER
 RF: TIM SLADE
 SMO DESIGN: 1616 EAST PALMISADES BOULEVARD UNIT #102
 TUCSON, ARIZONA 85739
 CONTACT: CHRISTOPHER M. SHIN, MBA, PMP, PMP
 PHONE: (480) 838-1700
 FAX: (480) 838-1004
 SITE ACQUISITION: NOVATION GROUP CONSULTING
 132 S. DILPHIA AVE.
 PARK RIDGE, IL 60068
 CONTACT: ALEXANDER
 PHONE: (647) 844-0300
 CIVIL/STRUCTURAL ENGINEER: PMP ENGINEERING INC
 1001 W. WASHINGTON AVE. #300, TUCSON, AZ 85710
 CONSULTANT: PHONE: (520) 825-5990
 ELECTRICAL ENGINEERING CONSULTANT: JOYMO, LLC
 CONTACT: TIM ALEXANDER, PE
 MOBILE: (662) 403-8308

SHEET INDEX

SHEET NO.	TITLE SHEET	SHEET DESCRIPTION
T-1	OVERALL SITE	
LS-2	EASTMENT DETAIL	
A-1	OVERALL SITE PLAN	
A-2	ENLARGED SITE PLAN	
A-3	ANTENNA CONFIGURATION & DETAILS	
A-4	ELEVATIONS	
3	07/08/17	UPDATED PER NEW SJ & SINGLE DAY COMMENT
2	4/24/17	UPDATED FACILITY
1	4/17/17	CHANGED ROLE TYPE
0	3/02/17	ZONING DRAWING

TUC_BOWMAN

SITE ADDRESS:
 3885 E. GOLDER RANCH DR.
 TUCSON, AZ 85739

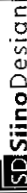
SCALE:

CLIENT:



126 WEST GEMINI DRIVE
 TUCSON, ARIZONA 85733
 PHONE: (480) 752-7338

REGIONAL MANAGEMENT PROFESSIONAL



1616 EAST PALMISADES BOULEVARD
 UNIT #102
 TUCSON, ARIZONA 85739
 PHONE: (480) 838-1700
 WWW.SINODESIGN.COM

CONSULTING CONSULTANT

DRAWING APPROVALS (SIGNATURES)

SITE ACQUISITION/PRIORITY

CONSTRUCTION MANAGER

VERIZON WIRELESS RF ENGINEER

UNLICENSED APPROVAL

ISSUED BY: PMP

DESIGNED BY: JMS

SCHEDULE OF REVISIONS

NO. DATE DESCRIPTION BY

3 07/08/17 UPDATED PER NEW SJ & SINGLE DAY COMMENT JMS

2 4/24/17 UPDATED FACILITY JMS

1 4/17/17 CHANGED ROLE TYPE JMS

0 3/02/17 ZONING DRAWING JMS

PROJECT INFORMATION

OCCUPANCY GROUP: U (POLE) & S-2 (CABINET)
 TYPE OF CONSTRUCTION: V-8
 AREA OF CONSTRUCTION: 380 SQ. FT.

PROJECT DESCRIPTION

INSTALLATION OF A NEW 70'-0" TOP OF MONOCULUM PLUS WITH (1) NEW ANTENNAS, (2) RRHs, (4) J-BOX, (1) SINGLE BAY OUTDOOR CABINETS WITH CHAIN LINK FENCED ENCLOSURE.

SURROUNDING ZONING AND USE

NORTH: OR-1
 EAST: OR-1
 SOUTH: OR-1
 WEST: OR-1
 USE: RURAL RESIDENTIAL ZONE
 USE: RURAL RESIDENTIAL ZONE
 USE: RURAL RESIDENTIAL ZONE

ACCESSIBILITY DISCLAIMER

THIS NEW PROJECT IS AN INDUSTRY TELECOMMUNICATIONS FACILITY AND IS NOT TO BE ACCESSED BY THE GENERAL PUBLIC. THIS FACILITY IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS PER REC 1103.2.9 LISTED AS AN EQUIPMENT SPACE.

UTILITY COMMITMENT TABLE

UTILITY	COMMITMENT
WATER	N/A
SEWER	N/A
ELECTRICAL	TUCSON ELECTRIC POWER
TELEPHONE	CENTURY LINK
POLICE	CITY OF TUCSON POLICE DEPARTMENT
FIRE	CITY OF TUCSON FIRE DEPARTMENT

ADA COMPLIANCE

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, LANDINGS AND EXISTS SHALL COMPLY WITH THE APPLICABLE BUILDING CODE.

SHEET TITLE:

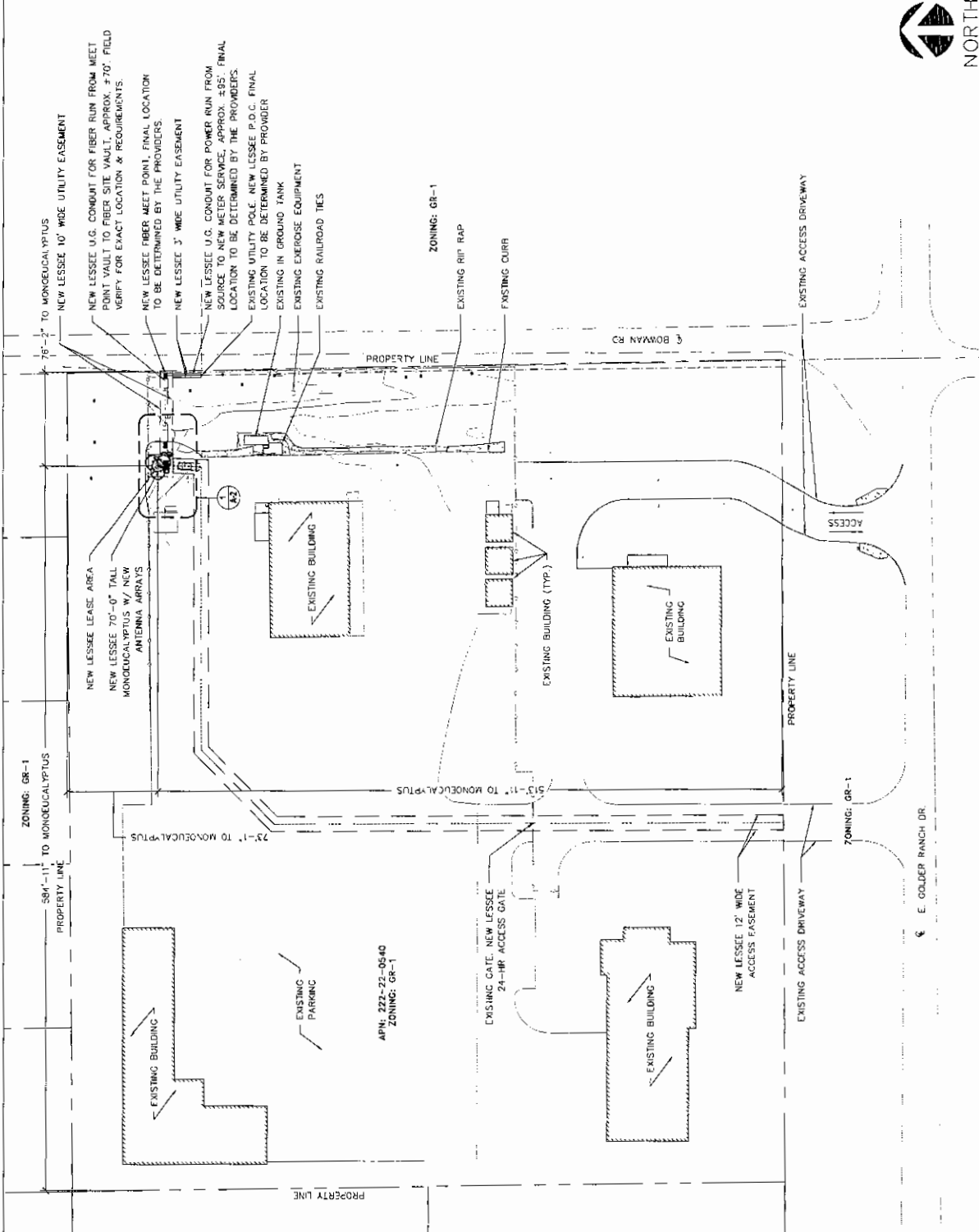
TITLE SHEET

SHEET NUMBER:

T-1

LEGEND

FC	FIRE HYDRANT	CTD	POWER POLE
○	STREET LIGHT	○	LIGHT POLE
—	CONCRETE	—	CONCRETE
—	CURB LINES	—	OVERHEAD LINES
—	ELECTRIC LINES	—	CHURN LINK FENCE
—	SEWER	—	SEWER UTILITY MARKING
—	WATER	—	WATER UTILITY MARKING



CLIENT:
verizon
 174 WEST GOMAN DRIVE
 TULSA, OKLAHOMA 74123
 PHONE: (405) 752-7238
 DESIGN MANAGEMENT PROFESSIONAL

SD SiinoDesign
 16114 EAST PALMDESIGN BOULEVARD
 SUITE #102
 ENID, OKLAHOMA 73735
 PHONE: (405) 324-8588
 WWW.SIINODESIGN.COM
 ENGINEERING CONSULTANTS

DESIGNING APPROVALS (SIGNATURES)
 SITE ACQUISITION/PRIORITY
 CONSTRUCTION MANAGEMENT
 PROJECT MANAGER
 UNANIMOUS APPROVAL
 DRAWN BY: TMO
 CHECKED BY: TMO

SCHEDULE OF REVISIONS

NO.	DATE	DESCRIPTION	BY
3	10/08/17	UPDATED PER NEW SJ & CHASE LAY OUTS	OMS
2	4/24/17	UPDATES EXISTING	OMS
1	4/17/17	CHANGED POLE TYPE	OMS
0	1/02/17	ZONING DRAWING	OMS

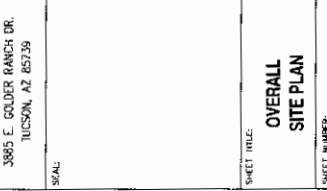
SITE NAME:
TUC BOWMAN

SITE ADDRESS:
 3885 E. GOLDER RANCH DR.
 TULSA, AZ 85729

SCALE

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

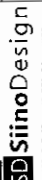


OVERALL SITE PLAN

CLIENT



174 WEST CLARK ROAD
TAMPA, FLORIDA 33605
PHONE: (813) 792-7328



DESIGN MANAGER: PROFESSIONAL
15616 EAST PALMBOLE BOULEVARD
SUITE #100
FOUNTAIN HILLS, ARIZONA 85036
PHONE: (480) 841-1701
WWW.SIINODESIGN.COM

ENGINEERING: CONSTRUCTION

DRAWING APPROVALS (SIGNATURES)

SITE ACQUISITION/PRIORITY

CONSTRUCTION MANAGER

VERIZON WIRELESS RF TECHNIKER

LANDSCAPE ARCHITECT

DRAWN BY: TUC

CHECKED BY: TUC

DATE: 1/17/17

SCALE: AS SHOWN

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

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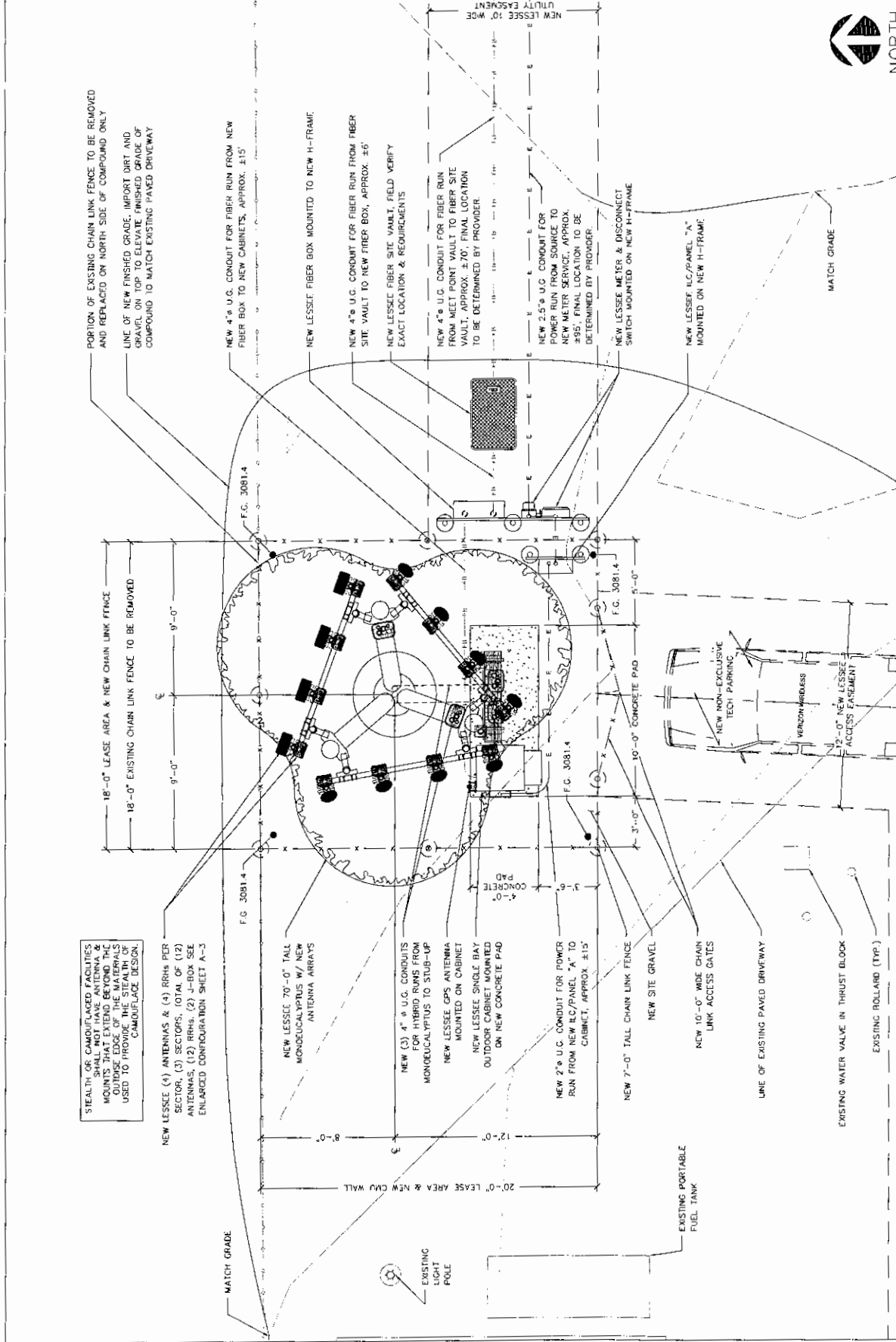
DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17



NORTH

25'x34" SCALE 3/4" = 1'-0"
11'x17" SCALE 3/16" = 1'-0"

ENLARGED SITE PLAN

SHEET NUMBER: A-2

ENLARGED SITE PLAN

NOTE:
CONTRACTOR TO VERIFY FOR FINAL RF DATA SHEETS WITH
CONSTRUCTION MANAGER PRIOR TO ANY CONSTRUCTION.

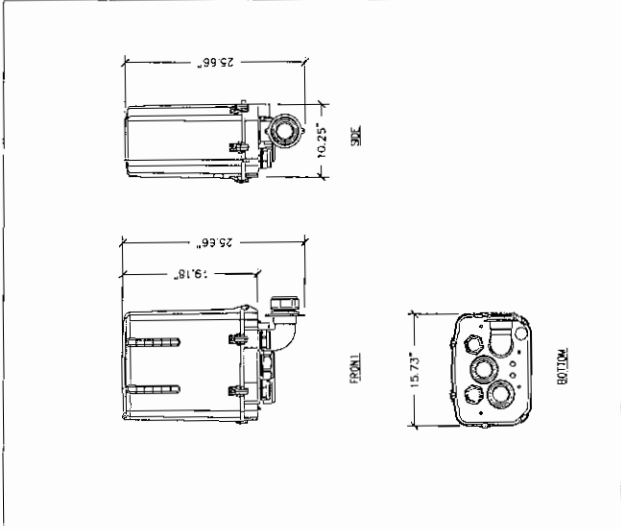
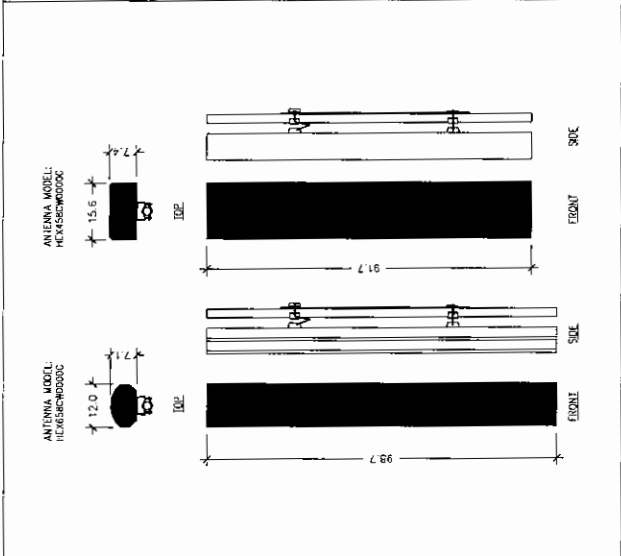
NEW ANTENNA & HYBRID DC/FIBER TABLE

SECTOR	ANT. POSITION NO.	RRH QTY.	RRH AZ/MATH	DOWNLIT (FT)	# OF WIRE	COAX TYPE	
ALPHA	1	1	20°	180°	63.5	0	N/A
ALPHA	2	1	20°	180°	63.5	1	RSS 6-12 HYBRID DC/FIBER
ALPHA	3	1	20°	180°	63.5	1	RSS 6-12 HYBRID DC/FIBER
ALPHA	4	1	20°	180°	63.5	0	N/A
BETA	1	1	130°	180°	63.5	0	N/A
BETA	2	1	130°	180°	63.5	0	N/A
BETA	3	1	130°	180°	63.5	0	N/A
BETA	4	1	130°	180°	63.5	0	N/A
GAMMA	1	1	250°	180°	63.5	0	N/A
GAMMA	2	1	250°	180°	63.5	0	N/A
GAMMA	3	1	250°	180°	63.5	0	N/A
GAMMA	4	1	250°	180°	63.5	0	N/A

NOTES:
1. JUNCTION BOXES; ADD (2) JUNCTION BOXES ON TOP & (2) JUNCTION BOXES AT THE BOTTOM TOWER, OR WHATEVER IS NEEDED TO DEPLOY (12) RRHs.
2. DC/FIBER; ADD (2) RUNS OF RSS 6-12 HYBRID CABLE (6-12) DC/FIBER BUNDLE) TO CONNECT J-BOXES.
3. SEE DETAIL #5 FOR RRHs LOCATIONS AND SPECIFICATIONS.

ANTENNA MODEL: H1C65HCWDD00C
12.0"

ANTENNA MODEL: H1C65HCWDD00C
15.6"



CLIENT: **verizon**

150 W. 1ST STREET, SUITE 1000
TUCSON, ARIZONA 85703
PHONE: (480) 797-7328

DESIGN: **SD SiinoDesign**

15616 EAST PRAIRIES BOULEVARD
SUITE #102
FOUNTAINE, ARIZONA 85148
PHONE: (480) 819-1701
WWW.SIINODESIGN.COM

ENGINEERING CONSULTANT

DRAWING APPROVALS (CONTINUED):
SIT ACQUISITION/PROPERTY
CONSTRUCTION MANAGER
VERIZON WIRELESS RF ENGINEER
LANDLORD APPROVAL

DESIGNED BY: TUC
CHECKED BY: JWC

SCHEDULE OF REVISIONS

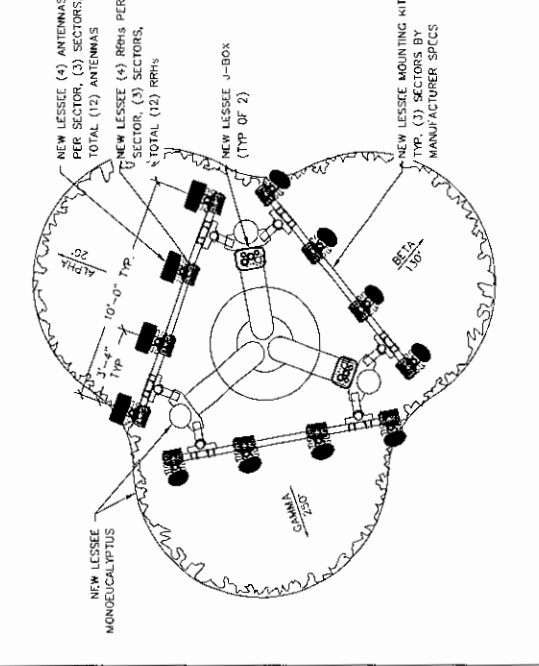
NO	DATE	DESCRIPTION	BY
3	10/05/17	UPDATED PER NEW J-BOX SIZE BY CHART	CHS
2	4/24/17	UPDATED FACILITY	CHS
1	4/17/17	CHANGED ROL TYPE	CHS
0	3/02/17	ZONING DRAWING	CHS

SITE NAME: **TUC_BOWMAN**

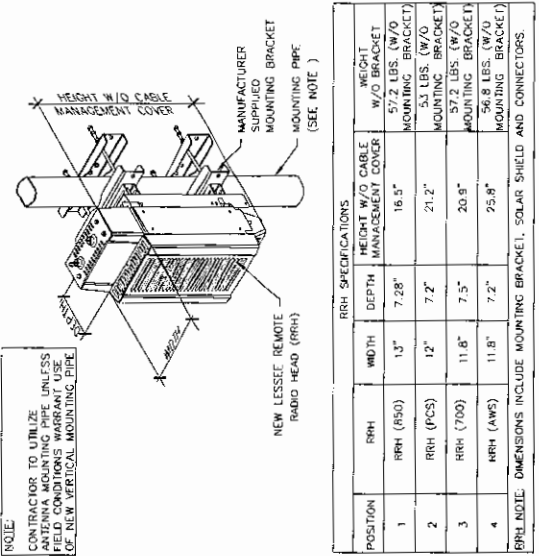
SITE ADDRESS:
3065 E. GOLDER RANCH DR.
TUCSON, AZ 85739

SEAL:

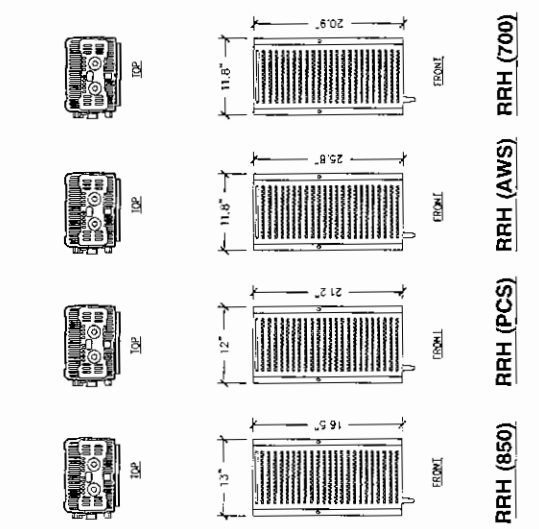
ANTENNA & COAXIAL CABLE TABLE



ANTENNA DETAIL



J-BOX DETAIL



SCALE: N.T.S. **3**

SCALE: N.T.S. **6**

SCALE: N.T.S. **5**

SCALE: N.T.S. **4**

SCALE: N.T.S. **2**

SCALE: N.T.S. **1**

SHEET TITLE: **ANTENNA CONFIGURATION & DETAILS**

SHEET NUMBER: **A-3**

ANTENNA CONFIGURATION

RRH MOUNTING DETAILS & SPECS.

RRH (850) RRH (PCS) RRH (AWS) RRH (700)

CLIENT



120 WEST GLENDALE DRIVE
 TUCSON, ARIZONA 85724
 (520) 744-3333
 WWW.VERIZON.COM

DESIGN MANAGEMENT PROFESSIONALS

SD SiinoDesign

1816 EAST PALMER'S BLENKARD
 FOURTH FLOOR, AZIZONA 85726
 PHOENIX, ARIZONA 85016
 (602) 428-1000
 WWW.SIINODESIGN.COM

ENGINEERING CONSULTANT

DRAWING APPROVALS (SIGNATURES)			
SITE ACQUISITION/PROPERTY			
CONSTRUCTION MANAGER			
VISION WRITERS/ENGINEER			
LANDSCAPE ARCHITECT			
DRAWN BY:	TUC		
CHECKED BY:	AND		
SCHEDULE OF REVISIONS			
NO.	DATE	DESCRIPTION	BY
3	10/06/17	UPDATED PER NEW SIP & PANEL BAY CORRECT	CHS
2	4/29/17	UPGRADE CABINET	CHS
1	4/17/17	DIMAGED PANEL TYPE	CHS
0	3/02/17	ZONING DRAWING	CHS

SITE NAME:
TUC_BOWMAN

5717 ADDRESS:
 3885 E. COLDER RANCH DR.
 TUCSON, AZ 85739

SEAL:

SHEET TITLE:
ELEVATIONS

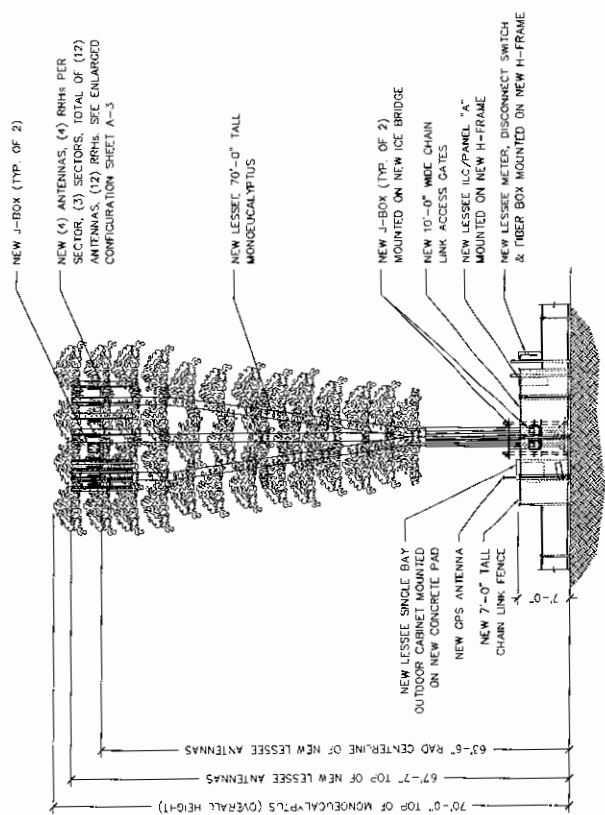
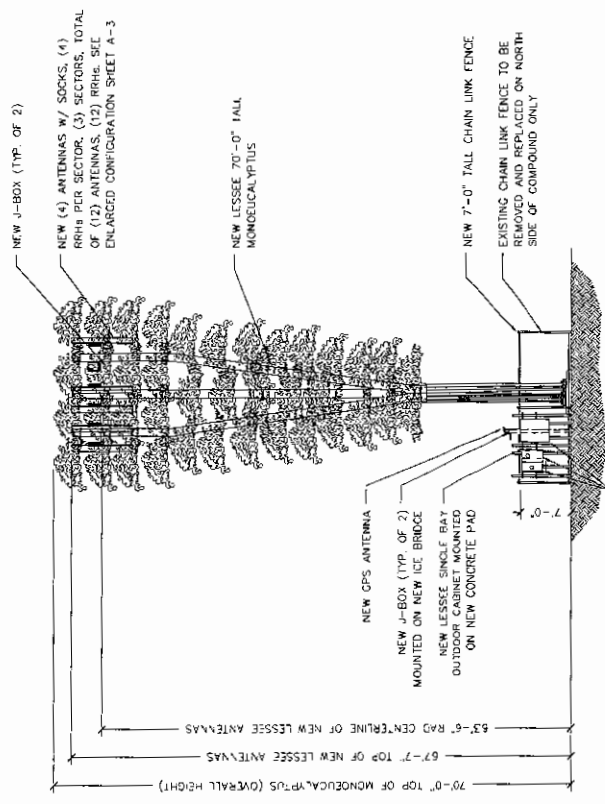
SHEET NUMBER:
A-4

NOTES:

- STRUCTURAL ANALYSIS, DESIGN OF NEW MONOECALYPTUS & ITS FOUNDATION ARE PROVIDED BY OTHERS.
- NEW LESSEE HYBRIFLEX CABLE, ROUTED INSIDE NEW MONOECALYPTUS.

NOTES:

- STRUCTURAL ANALYSIS, DESIGN OF NEW MONOECALYPTUS & ITS FOUNDATION ARE PROVIDED BY OTHERS.
- NEW LESSEE HYBRIFLEX CABLE, ROUTED INSIDE NEW MONOECALYPTUS.



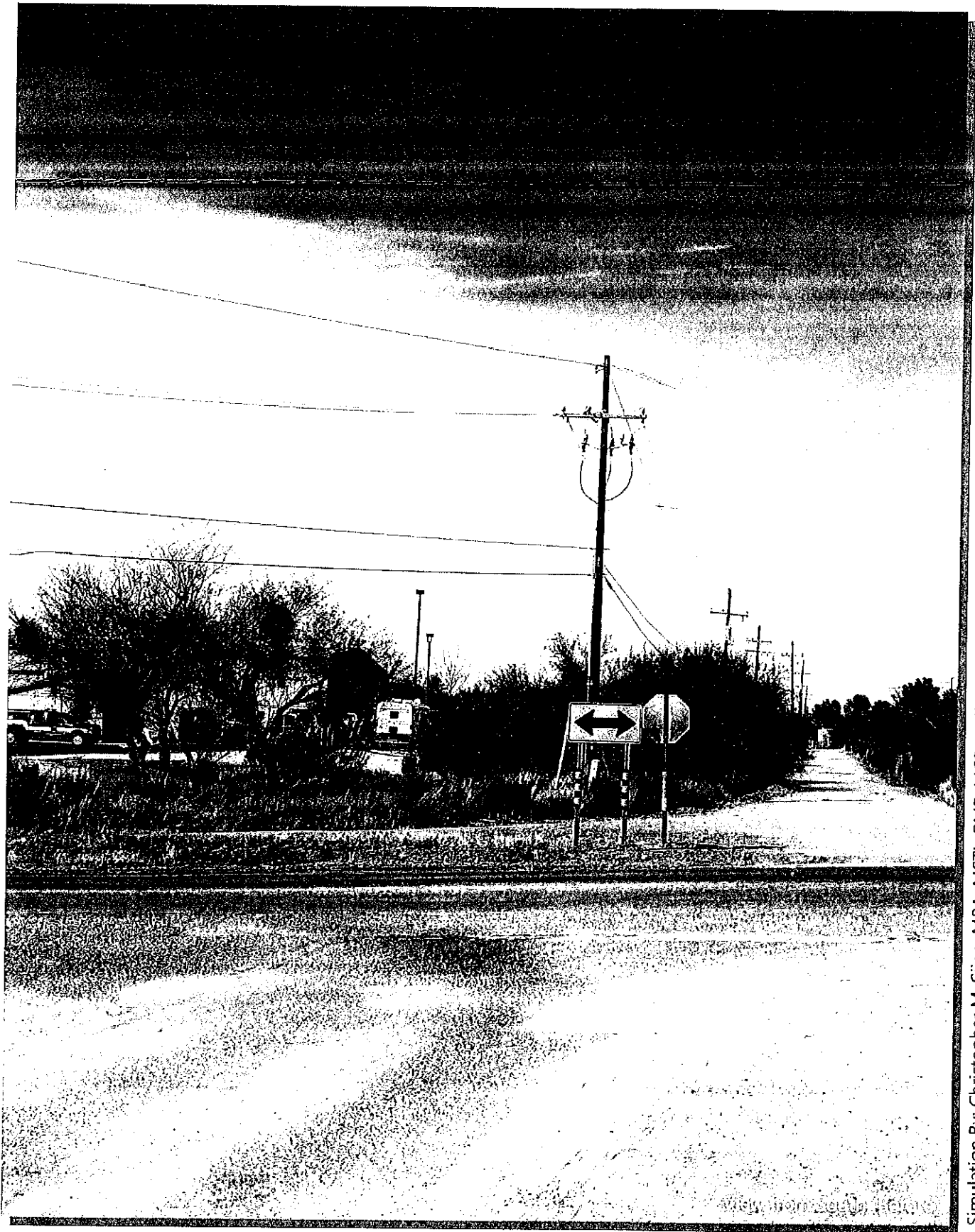
SCALE: 1/8" = 1'-0"
 1/4" = 1'-0"
 1/2" = 1'-0"

1 EAST ELEVATION

2 SOUTH ELEVATION



Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csiino@siinodesign.com



Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csino@siinodesign.com

SD SiinoDesign

TUC BOWMAN

3885 E. GOLDER RANCH DR. TUCSON, AZ 85739

verizon



Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csino@siinodesign.com

SD SiinoDesign

TUC BOWMAN

3885 E. GOLDR RANCH DR. TUCSON, AZ 85739

verizon

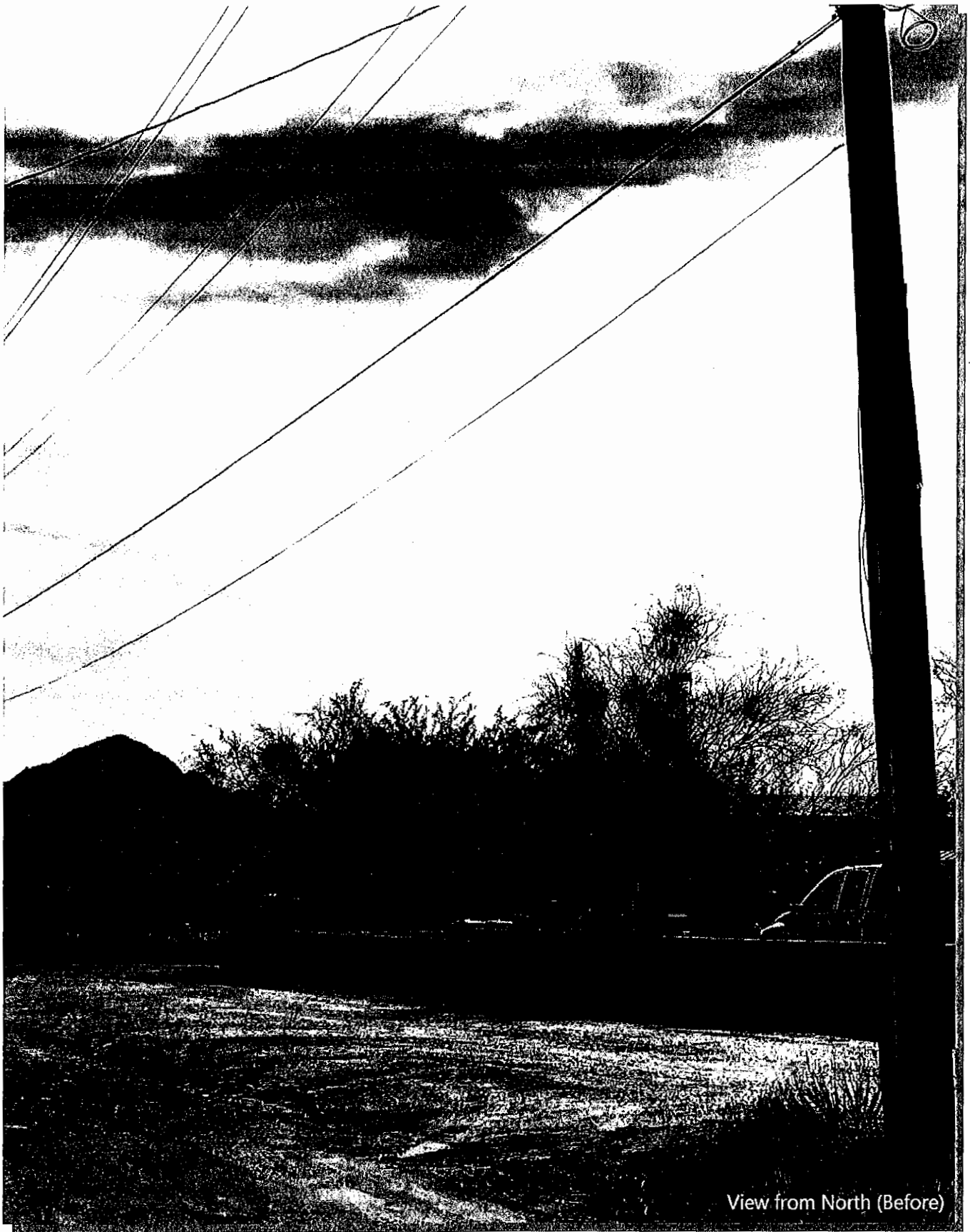


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SD SiinoDesign

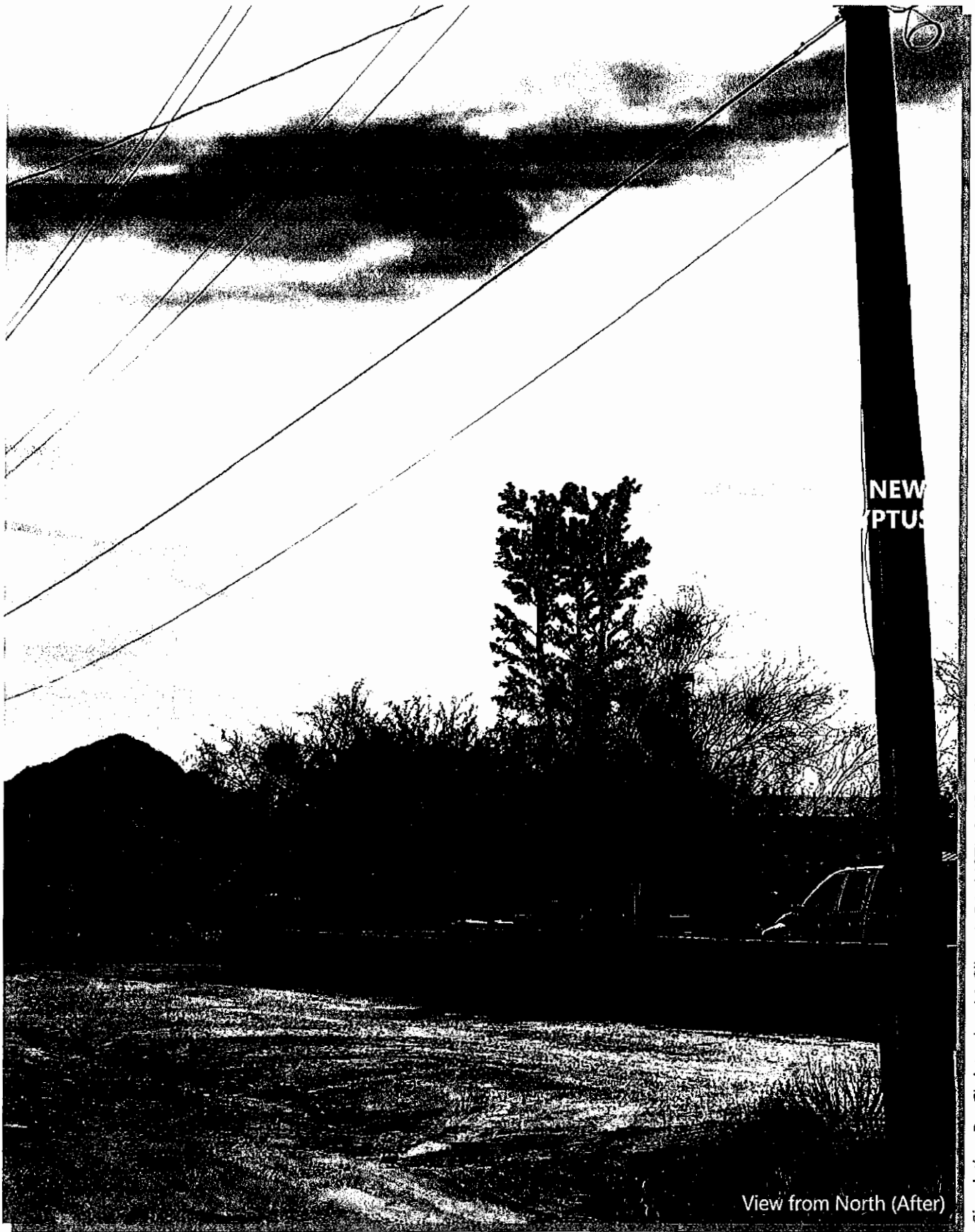
TUC_BOWMAN
3885 E. GOLDR RANCH DR. TUCSON, AZ 85739

verizon



View from North (Before)

Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csiino@siinodesign.com



NEW
PTUS

View from North (After)

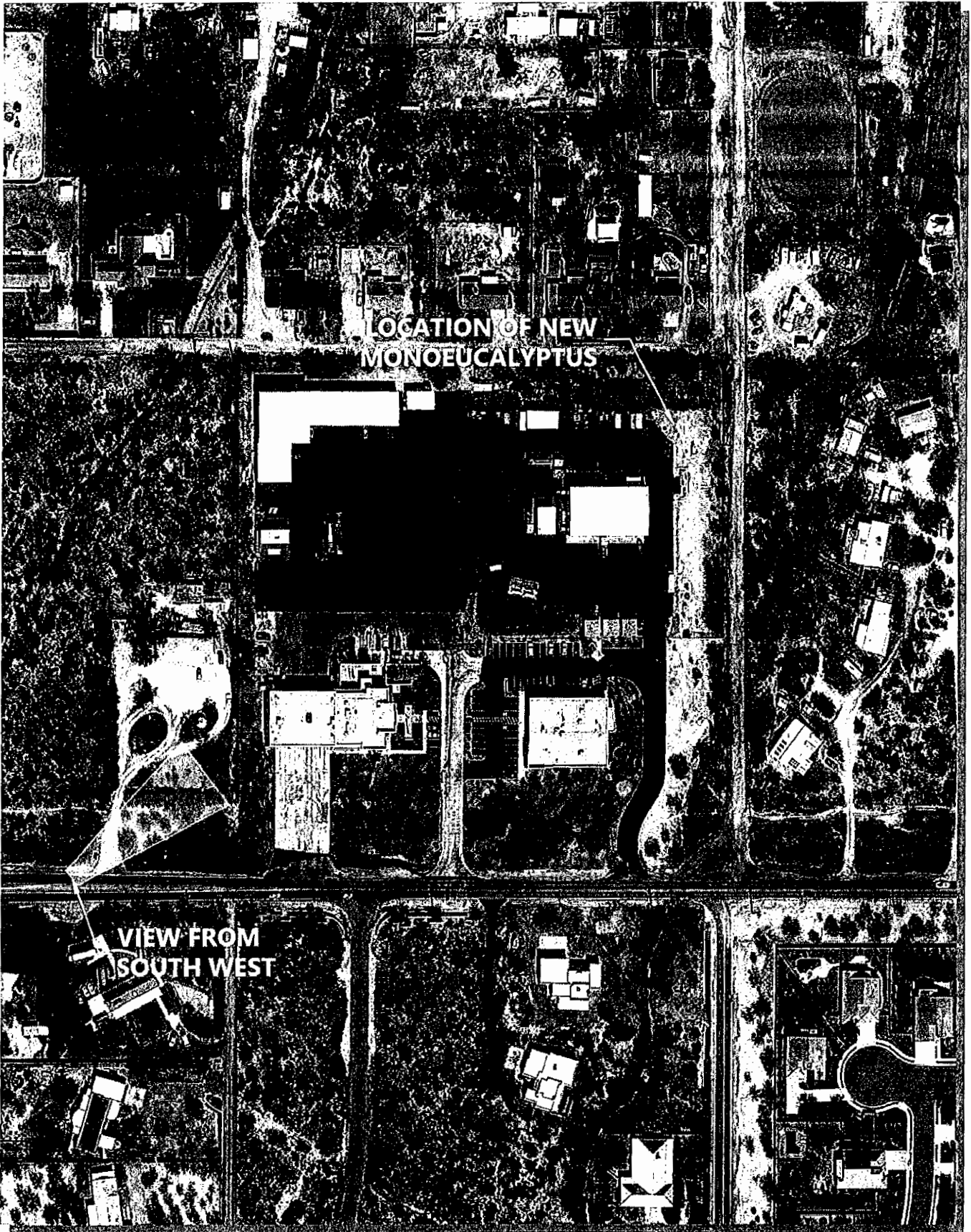
Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csino@siinodesign.com

SD SiinoDesign

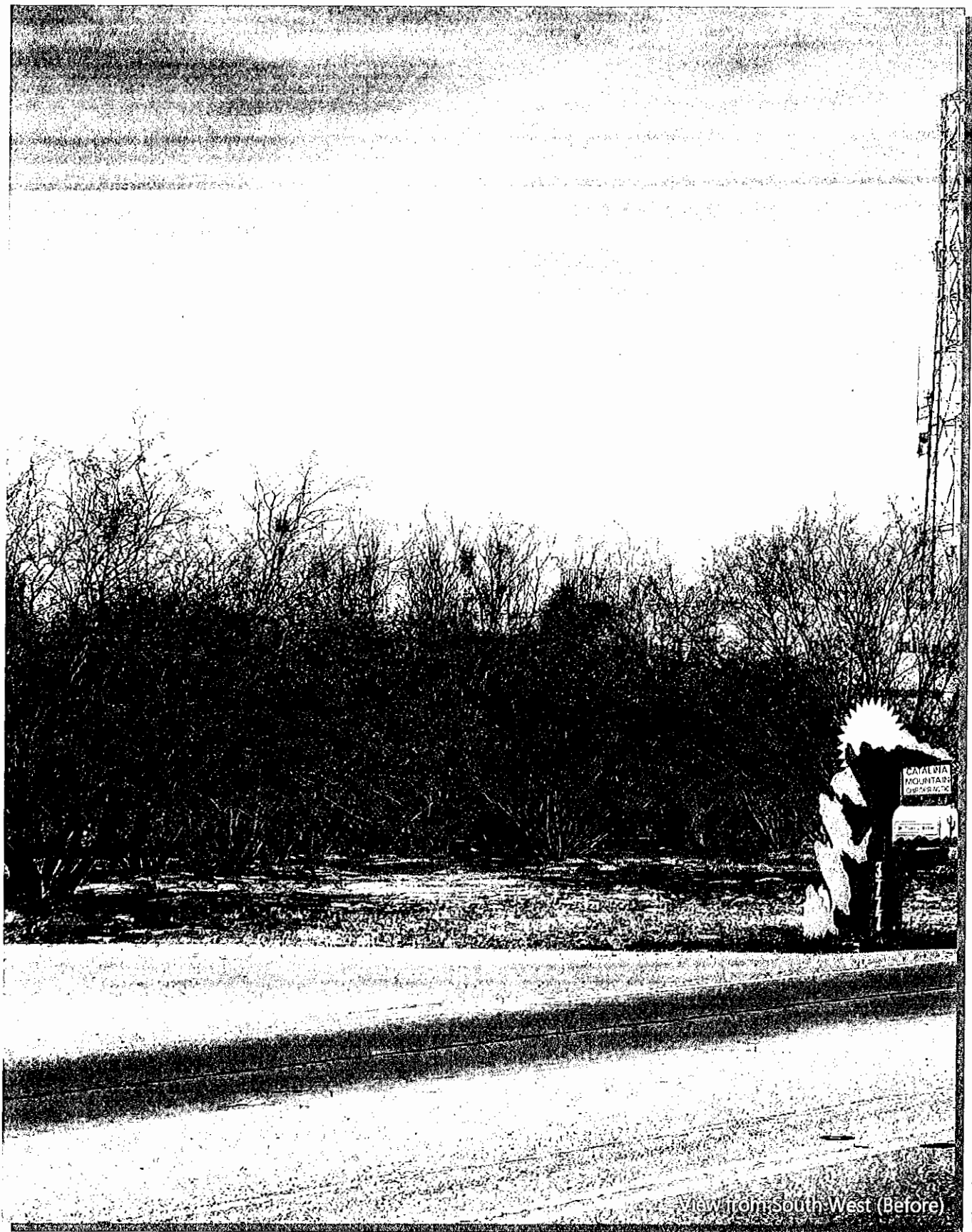
TUC_BOWMAN

3885 E. GOLDR RANCH DR. TUCSON, AZ 85739

verizon



Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csino@siinodesign.com



View from South West (Before)

Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csino@siinodesign.com

SD SiinoDesign

TUC BOWMAN

3885 E. GOLDER RANCH DR. TUCSON, AZ 85739

verizon



View from South West (After)

Simulation By: Christopher M. Siino, MBA, MSTL, PMP, MCP - csiino@sinodesign.com