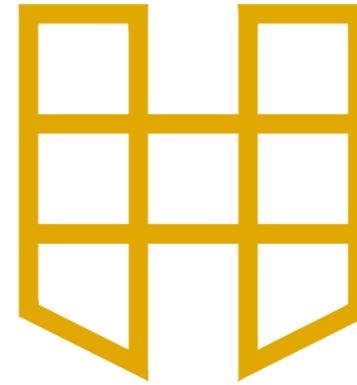


WESTRIDGE

SITE: 1640

80' MONOPOLE TOWER

FOR MULTIPLE WIRELESS CARRIERS



VICINITY MAP



CONSULTING ENGINEER



STS (SPECIALTY TELECOMMUNICATIONS CONSULTANTS, LLC)
 13431 BROADWAY EXT., SUITE 120,
 OKLAHOMA CITY, OK 73114
 405-753-7167

PROJECT DATA

SITE NUMBER	1640
SITE NAME	WESTRIDGE
SITE ADDRESS	MCKINNEY, TX
COUNTY	COLLIN
ZONING CLASS	
POWER COMPANY	TBD
CONTACT NAME	
TELEPHONE	
TELCO COMPANY	TBD
CONTACT NAME	
TELEPHONE	
PROPERTY OWNER	PROSPER INDEPENDANT SCHOOL DIST.
TELEPHONE	
HEMPHILL CONTACT	JOHN HEMPHELL
TELEPHONE	918-605-5639
SURVEY CONTACT	POINT TO POINT LAND SURVEYORS
TELEPHONE	678-565-4440

2C COORDINATES

LAT 33° 11' 57.00" LONG -96° 45' 14.00"
 SURVEY AND 2C PROVIDED BY POINT TO POINT LAND SURVEYORS
 AND INCLUDED IN THIS SET OF DRAWINGS FOR REFERENCE ONLY.



HEMPHILL
 1305 NORTH LOUISVILLE AVE
 TULSA, OK 74115
 (918) 834-2200



REECO
 DRAFTING SERVICES
 9 E 4TH ST. SUITE C-4
 TULSA, OK 74103
 918-215-7575

PROJECT NO:	1640
PROJECT NAME:	WESTRIDGE
911 ADDRESS:	TBD
DRAWN BY:	RGH
CHECKED BY:	MK/SLT/JRH

ISSUED FOR:

APPROVAL

REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL

DIRECTIONS

DRIVING FROM TULSA, OK. MERGE ONTO US-75 S, IN 89.5 MI. TAKE EXIT 63B TO MERGE ONTO US-69 S TOWARD ATOKA / DALLAS. IN 129.9 MI. TAKE EXIT 41 TOWARD US-380/GREENVILLE/DENTON AND MERGE ONTO W UNIVERSITY DR, IN 5.6 MI. TURN LEFT ONTO N CUSTER RD, IN 1 MI. TURN RIGHT ONTO VIRGINIA PKWY, IN 1.2 MI. TURN LEFT ONTO BLUESTEM DR. IN 0.3 MI. TURN LEFT, THE SITE IS ON THE LAWN AREA NEXT TO THE SCHOOL BUILDING.

PROJECT NOTES

HEMPHILL TOWER SITE DEVELOPMENT SPECIFICATIONS SUPPLEMENT THE CONSTRUCTION DRAWINGS. FACILITY IS NOT STAFFED AND NORMALLY NOT OCCUPIED.

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME

ENGINEER OF RECORD



SAMUAL T. CURTIS, P.E.
 TEXAS NO. 117377
 LICENSED PROFESSIONAL ENGINEER

ONE CALL SYSTEM



BEFORE YOU DIG, CALL TEXAS LINE LOCATION FOR LOCATION OF UNDERGROUND UTILITIES. CALL 811

DRAWING INDEX

SHEET	SHEET TITLE	REV.
TS	TITLE SHEET	0
C1-1	SITE SURVEY	0
C1-2	SITE SURVEY	0
C1-3	SITE SURVEY	0
C1-4	ZONING OVERVIEW	0
C2-1	COMPOUND LAYOUT	0
C3-1	TOWER ELEVATION	0
C3-3	GROUND EQUIPMENT DETAILS	0
C4-1	ROADWAY AND COMPOUND DETAILS	0
C6-1	COMPOUND WALL DETAILS	0
E1-1	ELECTRIC, LIGHTING, AND TELCO PLAN	0
E2-1	ELECTRICAL DETAILS	0
E3-1	GROUNDING PLAN	0
E4-1	GROUNDING DETAILS	0
G1-1	GENERAL NOTES	0
G1-2	GENERAL NOTES	0
L1-1	LANDSCAPING PLAN	0

SAMUAL T. CURTIS, P.E.
 TEXAS NO. 117377

SCALE

N.T.S.

TITLE SHEET

SHEET NUMBER: REVISION:

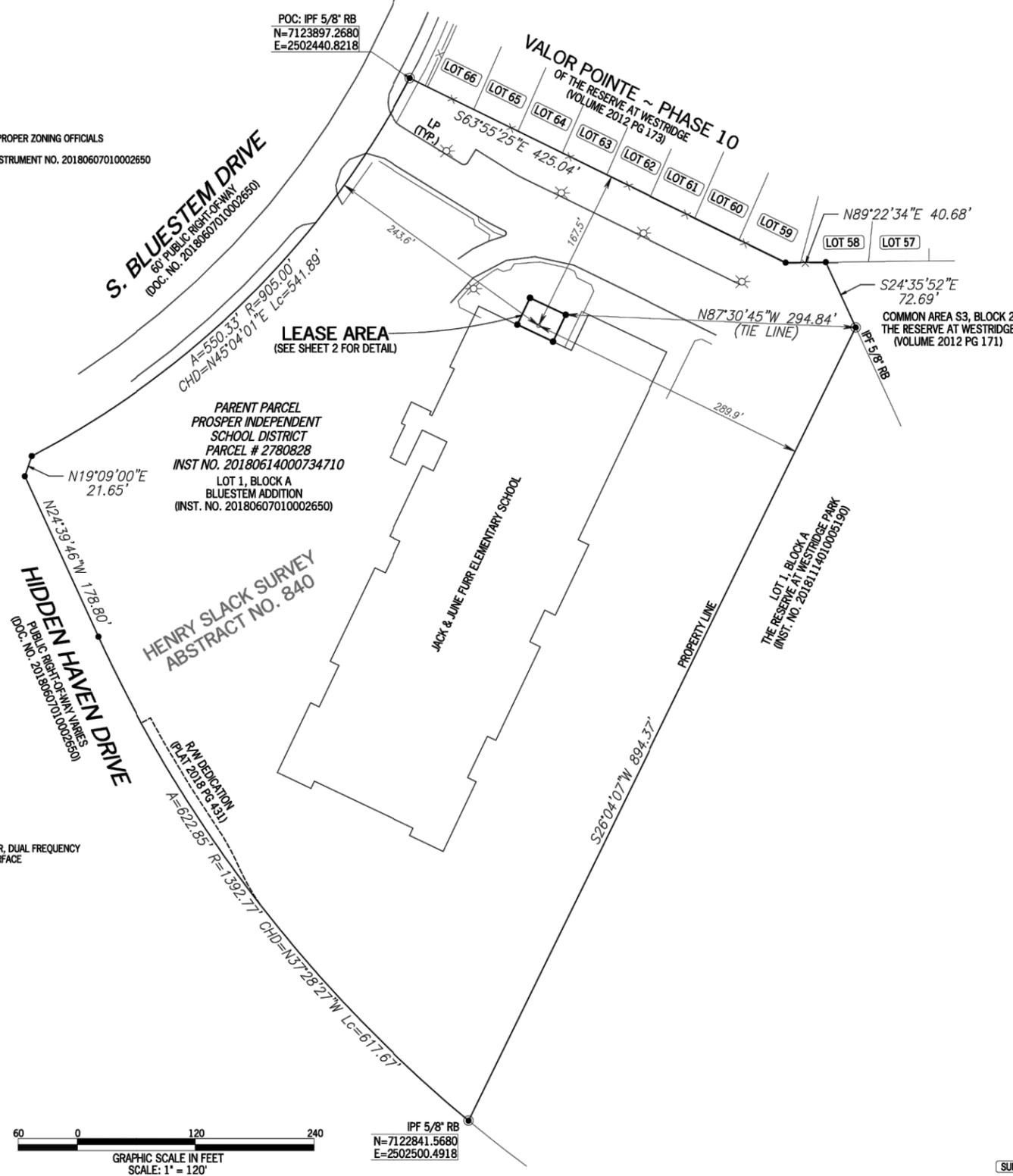
TS

0

PARENT PARCEL

OWNER: PROSPER INDEPENDENT SCHOOL DISTRICT
 SITE ADDRESS: 551 BLUESTEM DR, MCKINNEY, TX 75072
 PARCEL ID: 2780828
 AREA: 10.77 ACRES (PER TAX ASSESSOR)
 ZONED: INSTITUTIONAL
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: INSTRUMENT NO. 20180614000734710 & INSTRUMENT NO. 20180607010002650

POC: IPF 5/8" RB
 N=7123897.2680
 E=2502440.8218



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

* THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASED PREMISES AND EASEMENTS ONLY. THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF HEMPHILL, LLC AND EXCLUSIVELY FOR THE TRANSFERRAL OF THE LEASED PREMISES AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE FEE SIMPLE TRANSFERRAL OF THE PARENT PARCEL NOR ANY PORTION OR PORTIONS THEREOF. BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM TAX MAPS AND DEED DESCRIPTIONS ONLY. NO BOUNDARY SURVEY OF THE PARENT PARCEL WAS PERFORMED.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

BASIS OF BEARING: GPS OBSERVATIONS CONDUCTED AT THE TIME OF SURVEY.

BASIS OF ELEVATION: GPS OBSERVATIONS CONDUCTED AT THE TIME OF SURVEY.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TPS 1200 ROBOTIC & GEOMAX ZENITH 35 (DATE OF LAST FIELD VISIT: 06/02/2020)

THE 1' CONTOURS AND SPOT ELEVATIONS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE ADJUSTED TO NAVD 88 DATUM (COMPUTED USING GEOID18) AND HAVE A VERTICAL ACCURACY OF ± 0.5'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH (NAD 83) TEXAS NORTH CENTRAL ZONE.

PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X (AREA OF MINIMAL FLOOD HAZARD), COMMUNITY PANEL NO. : 48085C0235J DATED: 06/02/2009

NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC PURPOSE SURVEY.

ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS.

ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT ANY UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY UNDERGROUND UTILITIES.

TEXAS REGISTRATION NO. 10194197

I DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND UNDER MY SUPERVISION. THE HORIZONTAL DATUM (COORDINATES) ARE IN THE TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND ARE EXPRESSED AS DEGREES, MINUTES AND SECONDS, TO THE NEAREST HUNDREDTH OF A SECOND. THE VERTICAL DATUM (HEIGHTS) ARE IN TERMS OF NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE DETERMINED TO THE NEAREST TENTH OF A FOOT.

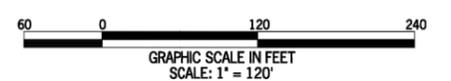
GPS NOTES

THE FOLLOWING GPS STATISTICS UPON WHICH THIS SURVEY IS BASED HAVE BEEN PRODUCED AT THE 95% CONFIDENCE LEVEL:

POSITIONAL ACCURACY: 0.02 FEET (HORZ) 0.22 FEET (VERT)
 TYPE OF EQUIPMENT: GEOMAX ZENITH35 PRO BASE AND ROVER, DUAL FREQUENCY
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATES OF SURVEY: 06/02/2020
 DATUM / EPOCH: NAD_83(2011)EPOCH:2010.0000
 PUBLISHED / FIXED CONTROL USE: N/A
 GEOID MODEL: 18
 COMBINED GRID FACTOR(S): 0.99984228
 CONVERGENCE ANGLE: 0.95273889"
 BENCHMARKS USED: DG9791, D69767, DF4385

LEGEND

- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- IPS IRON PIN SET
- IPF IRON PIN FOUND
- RB REBAR
- LP UTILITY POLE
- LP LIGHT POLE
- SSMH SANITARY SEWER MANHOLE
- SDMH STORM DRAIN MANHOLE
- FH FIRE HYDRANT
- EP EDGE OF PAVEMENT
- BC BACK OF CURB
- OJ OVERHEAD UTILITY
- GW GUY WIRE ANCHOR
- TR TRANSFORMER
- WV WATER VALVE
- CV IRRIGATION CONTROL VALVE
- GM GAS METER
- N/F NOW OR FORMERLY
- DI DROP INLET



IPF 5/8" RB
 N=7122841.5680
 E=2502500.4918



Justin Kyle Lawrence
 03/24/2021

NO.	DATE	REVISION
1	07/01/2020	ADDED TITLE - NRW
2	03/24/2021	PARENT P/L METES & BOUNDS - NRW

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com
 Texas Registration NO. 10194197



SPECIFIC PURPOSE SURVEY PREPARED FOR:

HEMPHILL
 1305 N. LOUISVILLE AVENUE
 TULSA, OK 74115

WESTRIDGE
 SITE NO. 1640
 HENRY SLACK SURVEY,
 ABSTRACT NO. 840,
 CITY OF MCKINNEY,
 COLLIN COUNTY, TEXAS

DRAWN BY: EAL
 CHECKED BY: JKL
 APPROVED: D. MILLER
 DATE: JUNE 12, 2020
 P2P JOB #: 201206TX

SHEET:
1
 OF 3



(SURVEY NOT VALID WITHOUT SHEETS 2 & 3)

HEMPHILL
 1305 NORTH LOUISVILLE AVE
 TULSA, OK 74115
 (918) 834-2200

SURVEY PROVIDED BY:
POINT TO POINT LAND SURVEYORS
 100 GOVERNORS TRACE
 SUITE 103, PEACHTREE CITY,
 GA 30269
 678-565-4440

PROJECT NO: 1640
 PROJECT NAME: WESTRIDGE
 911 ADDRESS: TBD
 DRAWN BY: RGH
 CHECKED BY: MK/SLT/JRH

ISSUED FOR:
 APPROVAL

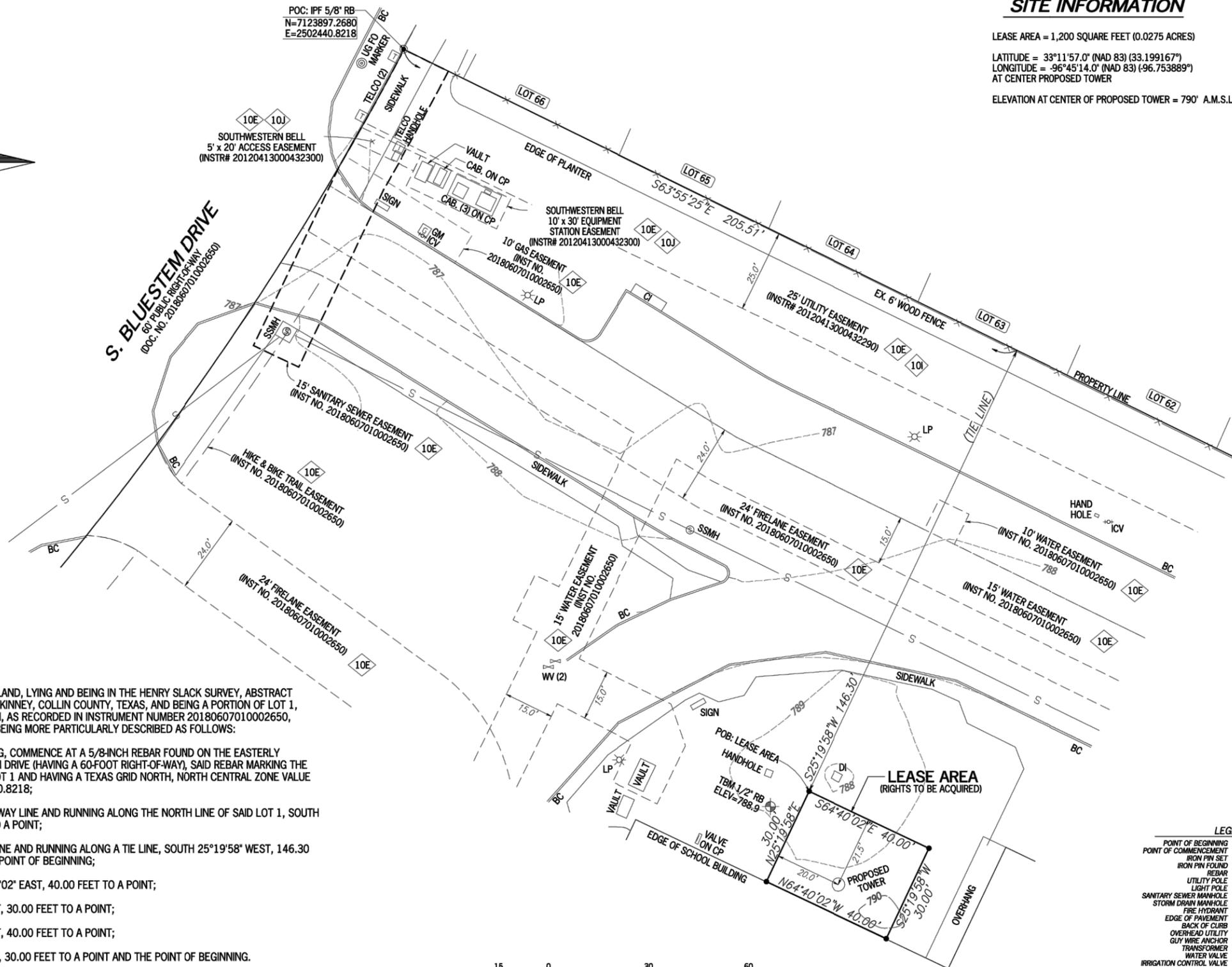
REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL



SCALE
 N.T.S.

SITE SURVEY

SHEET NUMBER: **C1-1**
 REVISION: **0**



SITE INFORMATION

LEASE AREA = 1,200 SQUARE FEET (0.0275 ACRES)
 LATITUDE = 33°11'57.0" (NAD 83) (33.199167°)
 LONGITUDE = -96°45'14.0" (NAD 83) (-96.753889°)
 AT CENTER PROPOSED TOWER
 ELEVATION AT CENTER OF PROPOSED TOWER = 790' A.M.S.L.



Justin Kyle Lawrence
 03/24/2021

NO.	DATE	REVISION
1	07/01/2020	ADDED TITLE - NRW
2	03/24/2021	PARENT P.L. METES & BOUNDS - NRW

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com
 Texas Registration NO. 10194197



SPECIFIC PURPOSE SURVEY PREPARED FOR:

HEMPHILL
 1305 N. LOUISVILLE AVENUE
 TULSA, OK 74115

WESTRIDGE
SITE NO. 1640
 HENRY SLACK SURVEY,
 ABSTRACT NO. 840,
 CITY OF MCKINNEY,
 COLLIN COUNTY, TEXAS

DRAWN BY: EAL
 CHECKED BY: JKL
 APPROVED: D. MILLER
 DATE: JUNE 12, 2020
 P2P JOB #: 201206TX

SHEET:
2
 OF 3

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND, LYING AND BEING IN THE HENRY SLACK SURVEY, ABSTRACT NUMBER 840, IN THE CITY OF MCKINNEY, COLLIN COUNTY, TEXAS, AND BEING A PORTION OF LOT 1, BLOCK A OF BLUESTEM ADDITION, AS RECORDED IN INSTRUMENT NUMBER 20180607010002650, COLLIN COUNTY RECORDS AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 5/8-INCH REBAR FOUND ON THE EASTERLY RIGHT-OF-WAY LINE OF BLUESTEM DRIVE (HAVING A 60-FOOT RIGHT-OF-WAY), SAID REBAR MARKING THE NORTHWEST CORNER OF SAID LOT 1 AND HAVING A TEXAS GRID NORTH, NORTH CENTRAL ZONE VALUE OF N: 7123897.2680 E: 2502440.8218;

THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG THE NORTH LINE OF SAID LOT 1, SOUTH 63°55'25" EAST, 205.51 FEET TO A POINT;

THENCE LEAVING SAID NORTH LINE AND RUNNING ALONG A TIE LINE, SOUTH 25°19'58" WEST, 146.30 FEET TO A POINT AND THE TRUE POINT OF BEGINNING;

THENCE RUNNING, SOUTH 64°40'02" EAST, 40.00 FEET TO A POINT;

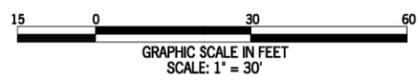
THENCE, SOUTH 25°19'58" WEST, 30.00 FEET TO A POINT;

THENCE, NORTH 64°40'02" WEST, 40.00 FEET TO A POINT;

THENCE, NORTH 25°19'58" EAST, 30.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARINGS BASED ON TEXAS GRID NORTH, NAD83, NORTH CENTRAL ZONE.

SAID TRACT CONTAINS 0.0275 ACRES (1,200 SQUARE FEET), MORE OR LESS.



- LEGEND**
- POINT OF BEGINNING POB
 - POINT OF COMMENCEMENT POC
 - IRON PIN SET IPS
 - IRON PIN FOUND IPF
 - REBAR RB
 - UTILITY POLE UP
 - LIGHT POLE LP
 - SANITARY SEWER MANHOLE SSMH
 - STORM DRAIN MANHOLE SDMH
 - FIRE HYDRANT FH
 - EDGE OF PAVEMENT EP
 - BACK OF CURB BC
 - OVERHEAD UTILITY OU
 - GUY WIRE ANCHOR GW
 - TRANSFORMER TR
 - WATER VALVE WV
 - IRRIGATION CONTROL VALVE ICV
 - GAS METER GM
 - NOW OR FORMERLY N/F
 - DROP INLET DI

SURVEY NOT VALID WITHOUT SHEETS 1 & 3

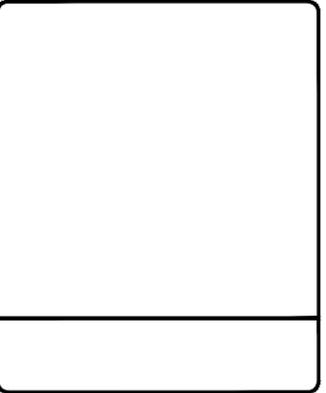
1305 NORTH LOUISVILLE AVE
 TULSA, OK 74115
 (918) 834-2200

SURVEY PROVIDED BY:
POINT TO POINT LAND SURVEYORS
 100 GOVERNORS TRACE
 SUITE 103, PEACHTREE CITY,
 GA 30269
 678-565-4440

PROJECT NO: 1640
 PROJECT NAME: WESTRIDGE
 911 ADDRESS: TBD
 DRAWN BY: RGH
 CHECKED BY: MK/SLT/JRH

ISSUED FOR:
APPROVAL

REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL



SCALE
 N.T.S.

SITE SURVEY

SHEET NUMBER: **C1-2** REVISION: **0**

PARENT PARCEL

(AS PROVIDED IN TITLE COMMITMENT FILE NO. 01-20061450)

LOT 1, BLOCK A, OF LOT 1, BLOCK A, BLUESTEM ADDITION, AN ADDITION TO THE CITY OF MCKINNEY, COLLIN COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN DOCUMENT NO. 20180607010002650 OF THE OFFICIAL PUBLIC RECORDS OF COLLIN COUNTY, TEXAS, AND IN CABINET 2018, SLIDE 431 OF THE PLAT RECORDS OF COLLIN COUNTY, TEXAS.

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, EFFECTIVE DATE OF MAY 21, 2020, 8:00 AM, BEING FILE NO. 01-200061450, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

10. THE FOLLOWING MATTERS AND ALL TERMS OF THE DOCUMENTS CREATING OR OFFERING EVIDENCE OF THE MATTERS:

E. THE FOLLOWING, ALL ACCORDING TO PLAT RECORDED IN CABINET 2018, SLIDE 431, OF THE PLAT RECORDS OF COLLIN COUNTY, TEXAS:

15 FOOT HIKE & BIKE EASEMENT ALONG THE FRONT PROPERTY LINE(S).

15 FOOT SANITARY SEWER EASEMENT ALONG THE NORTHWESTERN CORNER PROPERTY LINE(S).

10 FOOT GAS EASEMENT ALONG THE NORTHWESTERN CORNER PROPERTY LINE(S).

5 FOOT BY 20 FOOT SOUTHWESTERN BELL TELEPHONE EASEMENT ALONG THE NORTHWESTERN CORNER PROPERTY LINE(S).

25 FOOT UTILITY EASEMENT ALONG THE NORTHERN PROPERTY LINE(S).

10 FOOT BY 30 FOOT SOUTHWESTERN BELL TELEPHONE EASEMENT ALONG THE NORTHERN PROPERTY LINE(S).

15 FOOT WATER EASEMENT ALONG THE NORTHERN, EASTERN AND THROUGH CENTER PROPERTY LINE(S).

15 FOOT WATER EASEMENT ALONG THE NORTHERN, EASTERN AND THROUGH CENTER PROPERTY LINE(S).

FIRELANE EASEMENT ALONG THE NORTHERN, EASTERN AND THROUGH CENTER PROPERTY LINE(S).

ELECTRIC EASEMENT ALONG THE PORTION OF THE EASTERN PROPERTY LINE(S).

(THESE ITEMS ARE APPLICABLE TO THE PARENT PARCEL. PLOTTABLE ITEMS SHOWN HEREON).

F. RIGHT-OF-WAY EASEMENT CONVEYED TO DENTON COUNTY ELECTRIC COOPERATIVE, INC., TOGETHER WITH ALL RIGHTS GRANTED THEREIN, AS DESCRIBED IN DOCUMENT RECORDED IN VOLUME 468, PAGE 201 OF THE DEED RECORDS OF COLLIN COUNTY, TEXAS.

(BECAUSE THE DESCRIPTION OF THE PROPERTY IMPACTED BY THE EASEMENT IS VAGUE, WE ARE NOT ABLE TO ASCERTAIN THE EXACT LOCATION THEREOF).

G. CONVEYANCE OF ALL OIL, GAS AND OTHER MINERALS OF EVERY CHARACTER IN, ON, UNDER OR THAT MAY BE PRODUCED FROM THE HEREIN DESCRIBED PROPERTY, TOGETHER WITH ALL RIGHTS RELATING THERETO, EXPRESS OR IMPLIED, DESCRIBED IN DEED RECORDED IN DOCUMENT NO. 20060214000198320 OF THE OFFICIAL PUBLIC RECORDS OF COLLIN COUNTY, TEXAS.

(THIS ITEM IS APPLICABLE TO THE PARENT PARCEL AND IS BLANKET IN NATURE).

H. ALL OIL, GAS, OTHER MINERALS, RESOURCES AND GROUND WATER AS SET FORTH IN CONVEYANCE FROM D.R. HORTON-TEXAS, L.T.D., A TEXAS LIMITED PARTNERSHIP TO DRH ENERGY, INC., A COLORADO CORPORATION, RECORDED IN DOCUMENT NO. 20070502000586660 OF THE OFFICIAL PUBLIC RECORDS OF COLLIN COUNTY, TEXAS.

(THIS ITEM IS APPLICABLE TO THE PARENT PARCEL AND IS BLANKET IN NATURE).

I. UTILITY EASEMENT CONVEYED AND DEDICATED TO THE PUBLIC, TOGETHER WITH ALL RIGHTS GRANTED THEREIN, AS DESCRIBED IN DOCUMENT RECORDED IN DOCUMENT NO. 20120413000432290 OF THE OFFICIAL PUBLIC RECORDS OF COLLIN COUNTY, TEXAS.

(THIS ITEM IS APPLICABLE TO THE PARENT PARCEL. PLOTTABLE ITEMS SHOWN HEREON).

J. EASEMENT FOR EQUIPMENT STATION AND UNDERGROUND LINES CONVEYED TO SOUTHWESTERN BELL TELEPHONE COMPANY, TOGETHER WITH ALL RIGHTS GRANTED THEREIN, AS DESCRIBED IN DOCUMENT RECORDED IN DOCUMENT NO. 20120413000432300 OF THE OFFICIAL PUBLIC RECORDS OF COLLIN COUNTY, TEXAS.

(THIS ITEM IS APPLICABLE TO THE PARENT PARCEL. PLOTTABLE ITEMS SHOWN HEREON).

K. WAIVER OF SURFACE RIGHTS AS DESCRIBED IN DOCUMENT RECORDED IN DOCUMENT NO. 20180614000734700, FILED JUNE 14, 2018 OF THE OFFICIAL PUBLIC RECORDS OF COLLIN COUNTY, TEXAS.

(THIS ITEM IS APPLICABLE TO THE PARENT PARCEL).



Justin Kyle Lawrence
03/24/2021

NO.	DATE	REVISION
1	07/01/2020	ADDED TITLE - NRW
2	03/24/2021	PARENT P.L. METES & BOUNDS NRW

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com
 Texas Registration NO. 10194197



SPECIFIC PURPOSE SURVEY PREPARED FOR:

HEMPHILL
 1305 N. LOUISVILLE AVENUE
 TULSA, OK 74115

WESTRIDGE
SITE NO. 1640
 HENRY SLACK SURVEY,
 ABSTRACT NO. 840,
 CITY OF MCKINNEY,
 COLLIN COUNTY, TEXAS

DRAWN BY: EAL
 CHECKED BY: JKL
 APPROVED: D. MILLER
 DATE: JUNE 12, 2020
 P2P JOB #: 201206TX

SHEET:
3
 OF 3

SURVEY NOT VALID WITHOUT SHEETS 1 & 2

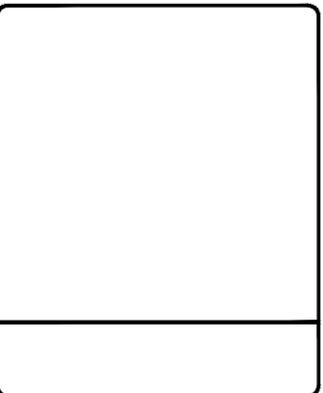
HEMPHILL
 1305 NORTH LOUISVILLE AVE
 TULSA, OK 74115
 (918) 834-2200

SURVEY PROVIDED BY:
POINT TO POINT LAND SURVEYORS
 100 GOVERNORS TRACE
 SUITE 103, PEACHTREE CITY,
 GA 30269
 678-565-4440

PROJECT NO: 1640
 PROJECT NAME: WESTRIDGE
 911 ADDRESS: TBD
 DRAWN BY: RGH
 CHECKED BY: MK/SLT/JRH

ISSUED FOR:
 APPROVAL

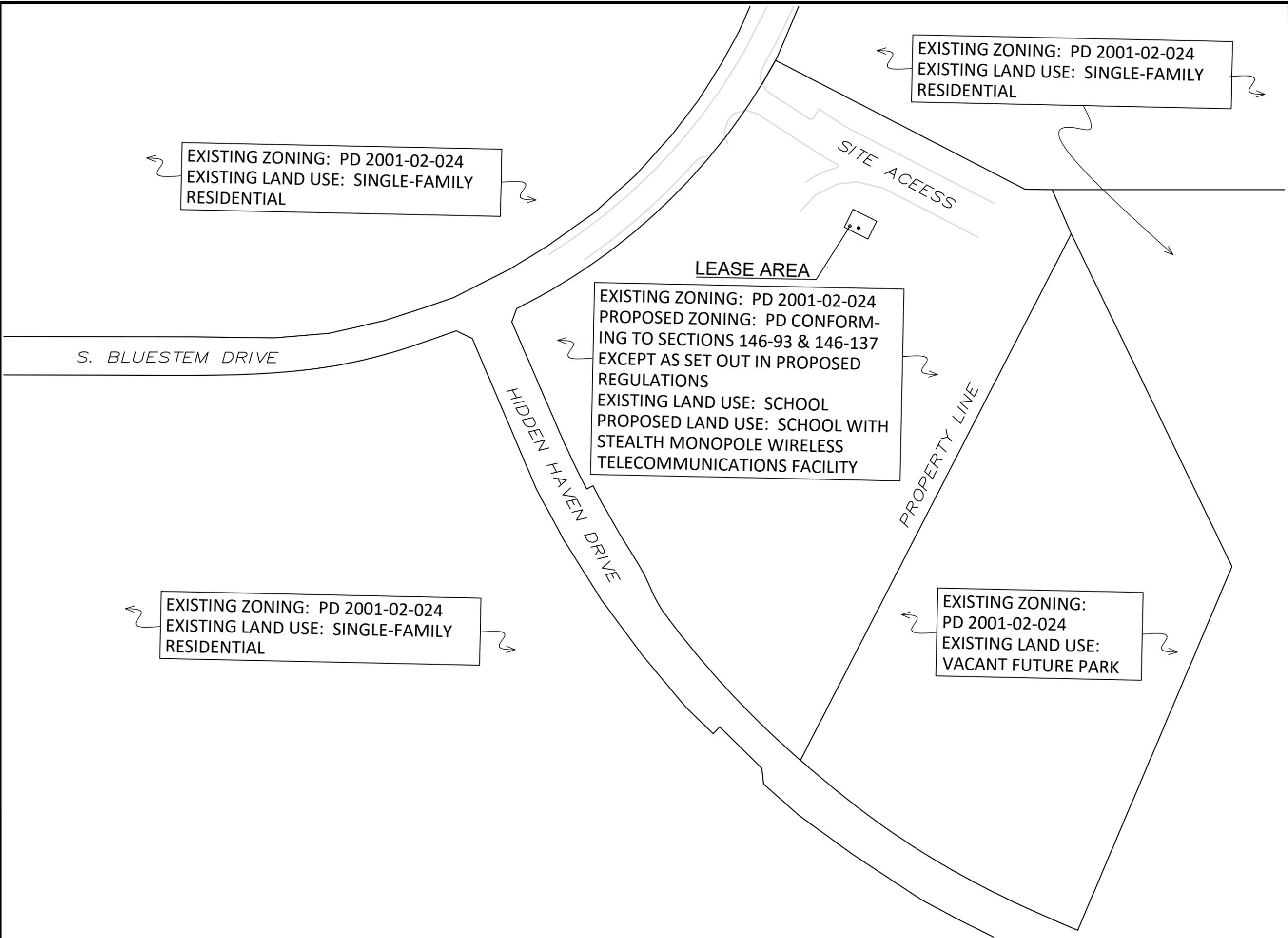
REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL



SCALE
 N.T.S.

SITE SURVEY

SHEET NUMBER: **C1-3**
 REVISION: **0**



HEMPHILL

1305 NORTH LOUISVILLE AVE
TULSA, OK 74115
(918) 834-2200

SURVEY PROVIDED BY:

POINT TO POINT LAND SURVEYORS
100 GOVERNORS TRACE
SUITE 103, PEACHTREE CITY, GA 30269
678-565-4440

PROJECT NO:	1640
PROJECT NAME:	WESTRIDGE
911 ADDRESS:	TBD
DRAWN BY:	RGH
CHECKED BY:	MK/SLT/JRH

ISSUED FOR:

APPROVAL

REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL

SCALE

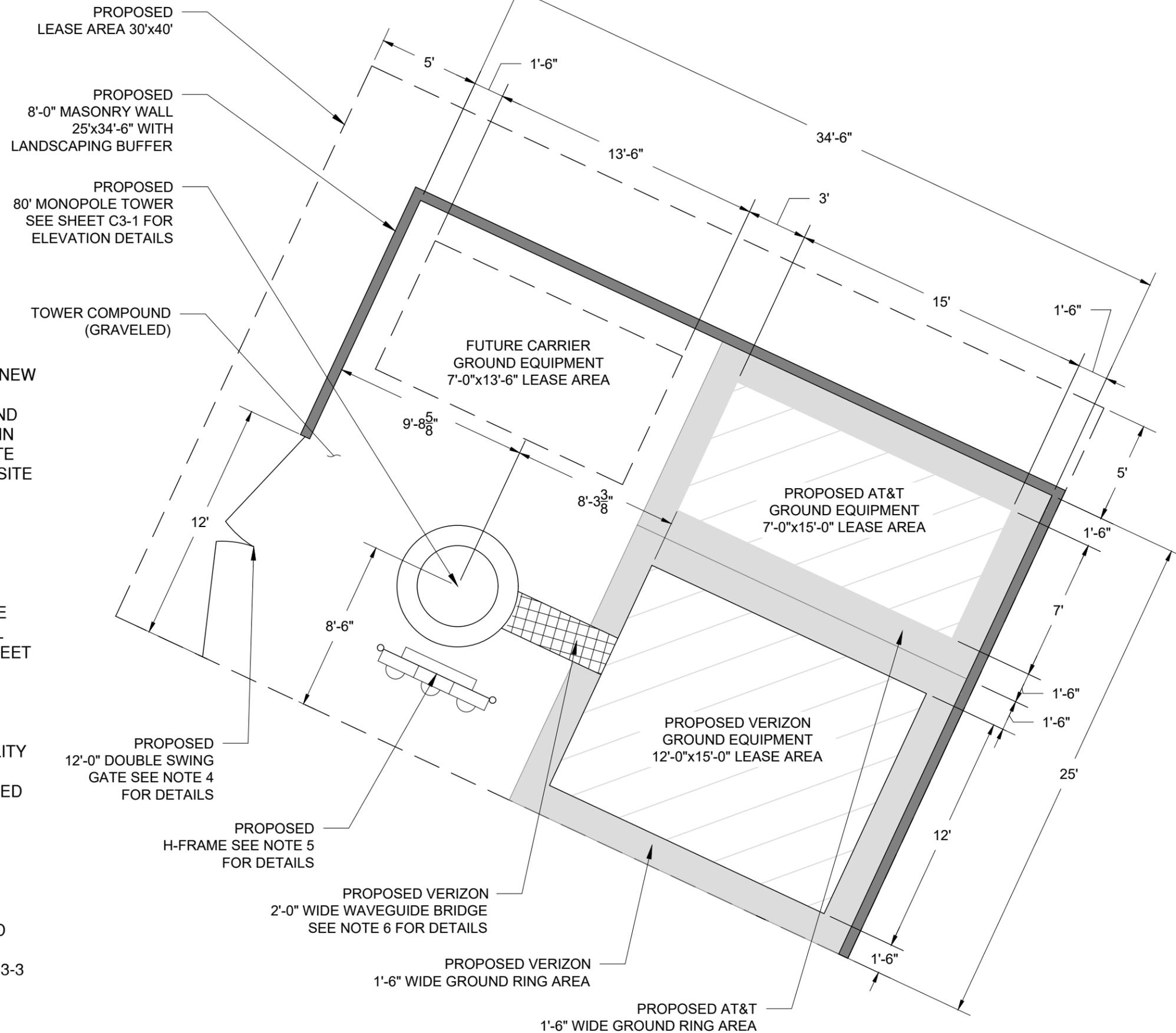
N.T.S.

ZONING OVERVIEW

SHEET NUMBER: REVISION:

C1-4

0



- NOTES:**
1. ALL COMPONENTS SHOWN ARE NEW CONSTRUCTION
 2. PLACEMENT OF VERIZON GROUND EQUIPMENT AND H-FRAME WITHIN THE COMPOUND IS APPROXIMATE AND MAY VARY DEPENDING ON SITE CONDITIONS AT TIME OF CONSTRUCTION
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF APPROPRIATE EROSION CONTROL MEASURES, INCLUDING SILT FENCES, ON THE DOWN SLOPE SIDES OF ALL SOIL DISTURBING ACTIVITIES. SEE SHEET C4-1 DETAIL 3
 4. THE GATE MATERIAL SHALL BE GRAY-PAINTED WOOD
 5. THE H-FRAME IS A STRUCTURE SUPPORTING METERS AND UTILITY CONNECTIONS (IT IS GROUND MOUNTED AND WILL BE SCREENED BEHIND PROPOSED WALL). SEE SHEET E2-1 FOR DETAILS
 6. THE WAVEGUIDE BRIDGE IS A STRUCTURE SUPPORTING THE CABLE RUN FROM TOWER TO GROUND EQUIPMENT (IT IS AT GROUND EQUIPMENT LEVEL AND WILL BE SCREENED BEHIND PROPOSED WALL). SEE SHEET C3-3 FOR DETAILS



HEMPHILL

1305 NORTH LOUISVILLE AVE
TULSA, OK 74115
(918) 834-2200



STS (SPECIALTY TELECOMMUNICATIONS CONSULTANTS, LLC)
13431 BROADWAY EXT., SUITE 120,
OKLAHOMA CITY, OK 73114

PROJECT NO:	1640
PROJECT NAME:	WESTRIDGE
911 ADDRESS:	TBD
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REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL



SAMUAL T. CURTIS, P.E.
TEXAS NO. 117377

SCALE
3/16" = 1'-0"

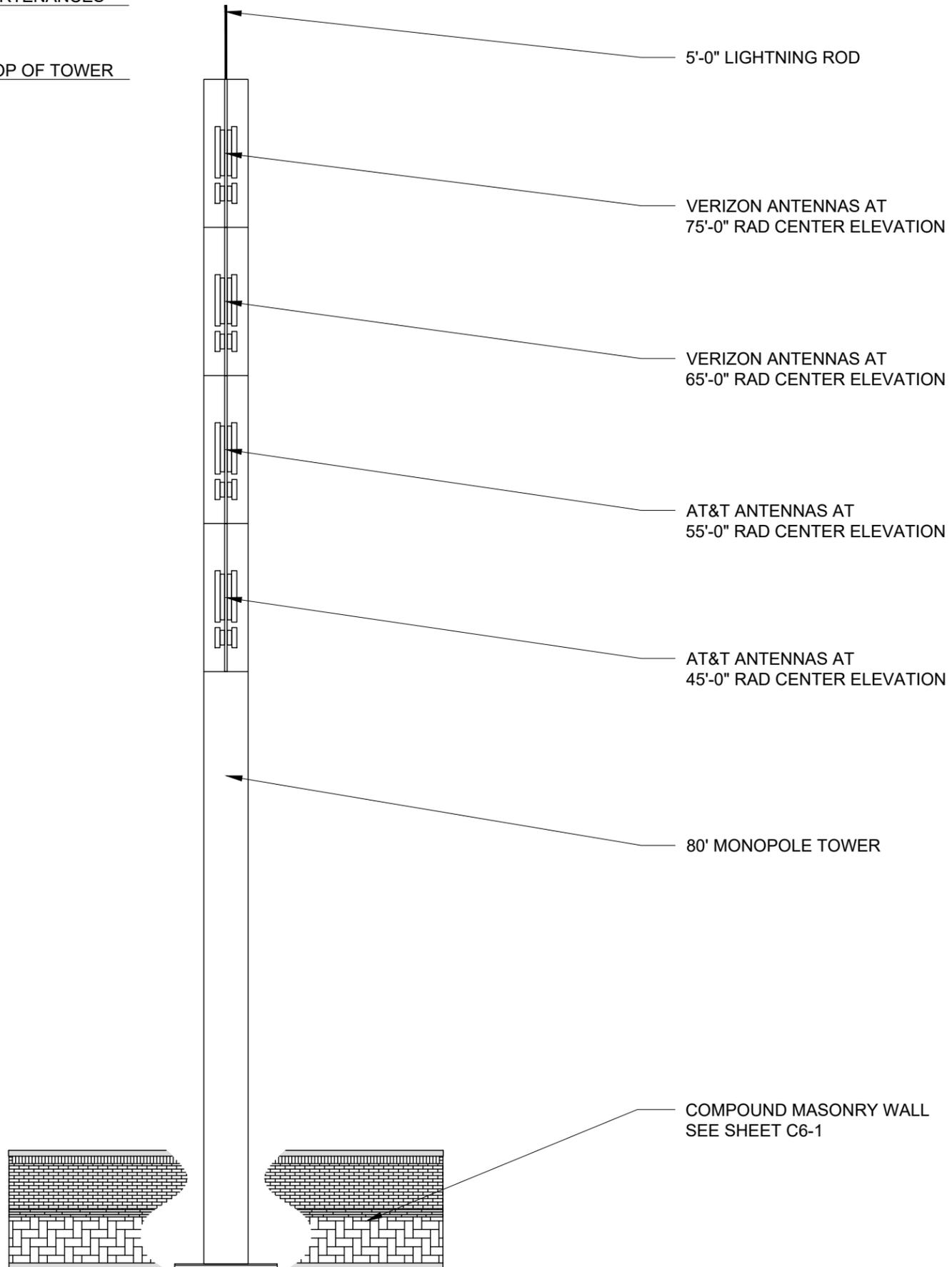
COMPOUND LAYOUT

SHEET NUMBER:	REVISION:
C2-1	0

85'-0" TOTAL HEIGHT WITH APPURTENANCES

80'-0" TOP OF TOWER

THESE DRAWINGS ARE NOT INTENDED TO REFLECT THE STRUCTURAL INTEGRITY OF THE TOWER. THE PROPOSED ANTENNAS AND TRANSMISSION LINES SHOWN ARE REPRESENTATIVE IN NATURE AND DO NOT REFLECT THE ACTUAL CONFIGURATIONS REQUIRED. THE CONTRACTOR SHALL REFER TO THE STRUCTURAL ANALYSIS OF THIS TOWER SITE FOR THE APPROVED LOCATION AND CONFIGURATION OF ALL ANTENNAS AND TRANSMISSION LINES. ALL ANTENNAS MUST BE MOUNTED AND THE TRANSMISSION LINES CONFIGURED IN STRICT ACCORDANCE WITH THE STRUCTURAL ANALYSIS.



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OKLAHOMA CITY, OK 73114

PROJECT NO:	1640
PROJECT NAME:	WESTRIDGE
911 ADDRESS:	TBD
DRAWN BY:	RGH
CHECKED BY:	MK/SLT/JRH

ISSUED FOR:
APPROVAL

REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL



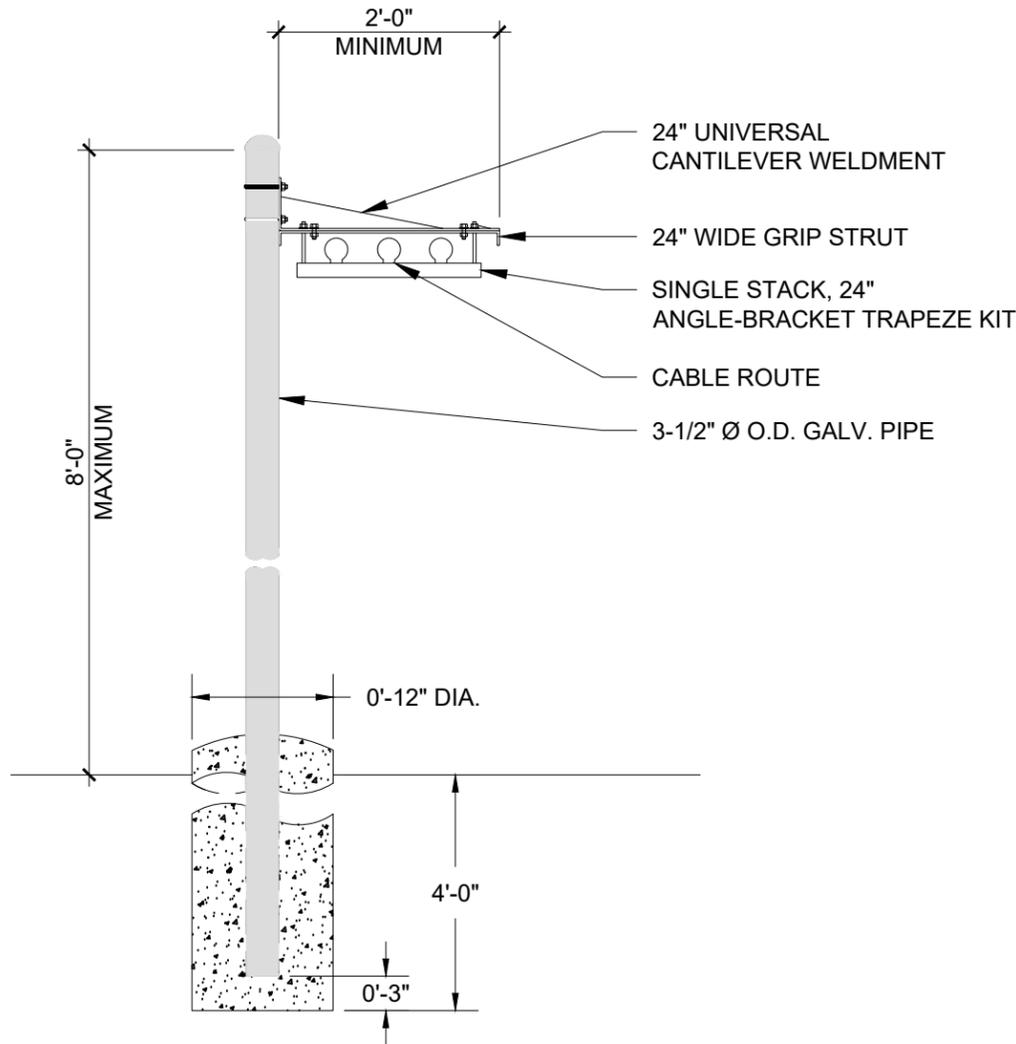
SAMUAL T. CURTIS, P.E.
TEXAS NO. 117377

SCALE
N.T.S.

TOWER
ELEVATION

SHEET NUMBER:	REVISION:
C3-1	0

POSTS TO BE SPACED MINIMUM 4'-0" O.C. AND MAXIMUM 10'-0" O.C.
 MAXIMUM STRUCTURE HEIGHT TO NOT EXCEED PROPOSED COPOUND WALL HEIGHT



WAVEGUILDE BRIDGE DETAIL
 SCALE: N.T.S.

1
 C3-3



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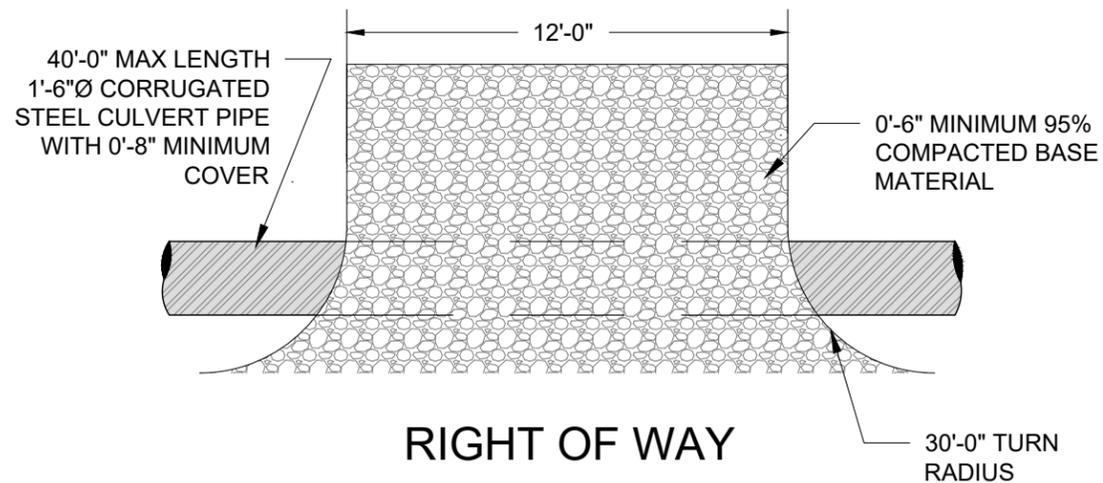


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 TEXAS NO. 117377

SCALE
 N.T.S.

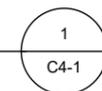
GROUND EQUIPMENT DETAILS

SHEET NUMBER:	REVISION:
C3-3	0

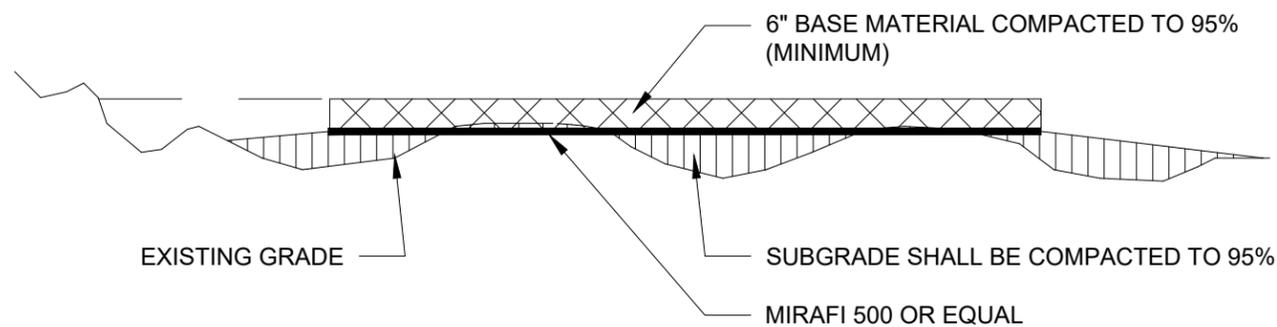


ENTRANCE DETAIL

SCALE: N.T.S.

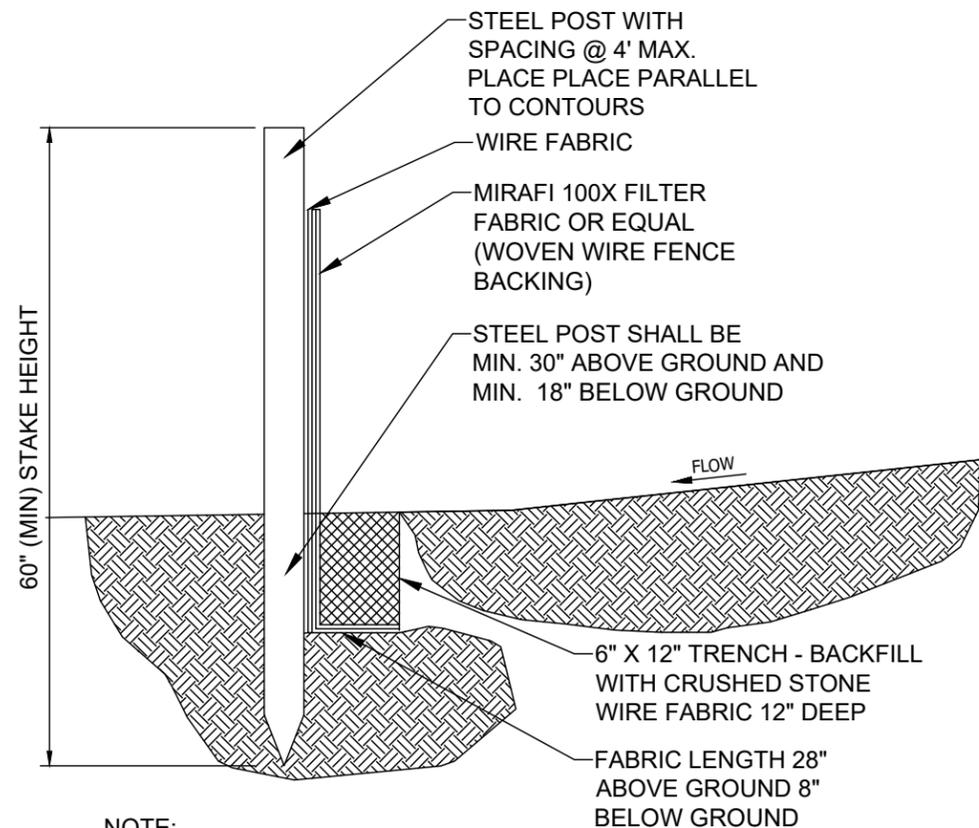
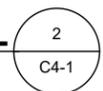


NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS TO ENSURE THAT THE ENTRANCE MEETS ALL GOVERNING SPECIFICATIONS.



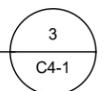
COMPOUND DETAIL

SCALE: N.T.S.

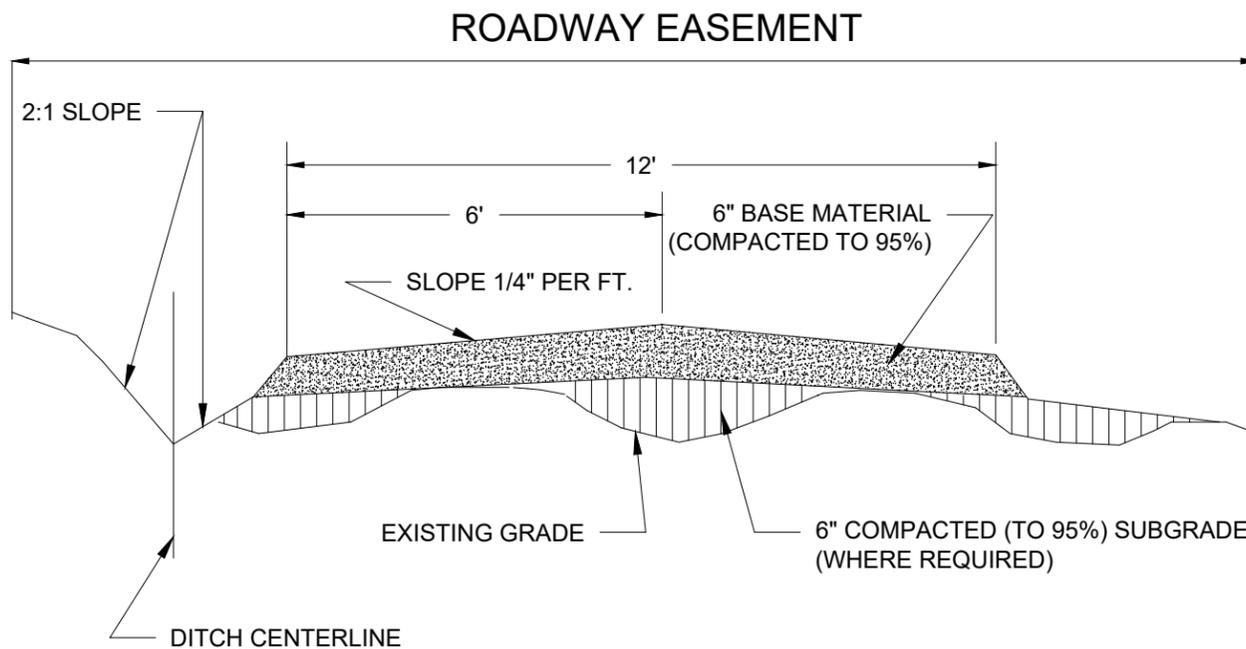


SILT FENCE DETAIL

SCALE: N.T.S.

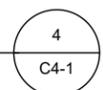


NOTE:
1. FENCE SHALL BE WIRE REINFORCED.



ROADWAY DETAIL

SCALE: N.T.S.



CONSTRUCTION SEQUENCE

- 1- INSTALLATION OF SILT FENCE - PRIOR TO ANY EARTH MOVING OPERATIONS, AS REQUIRED.
- 2- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE.
- 3- STRIPPING AND STOCK PILING OF TOPSOIL AND ROUGH GRADING. TEMPORARY STABILIZATION WITHIN 15 DAYS.
- 4- CONSTRUCTION OF UNDERGROUND IMPROVEMENTS.



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SCALE

N.T.S.

ROADWAY AND
COMPOUND DETAILS

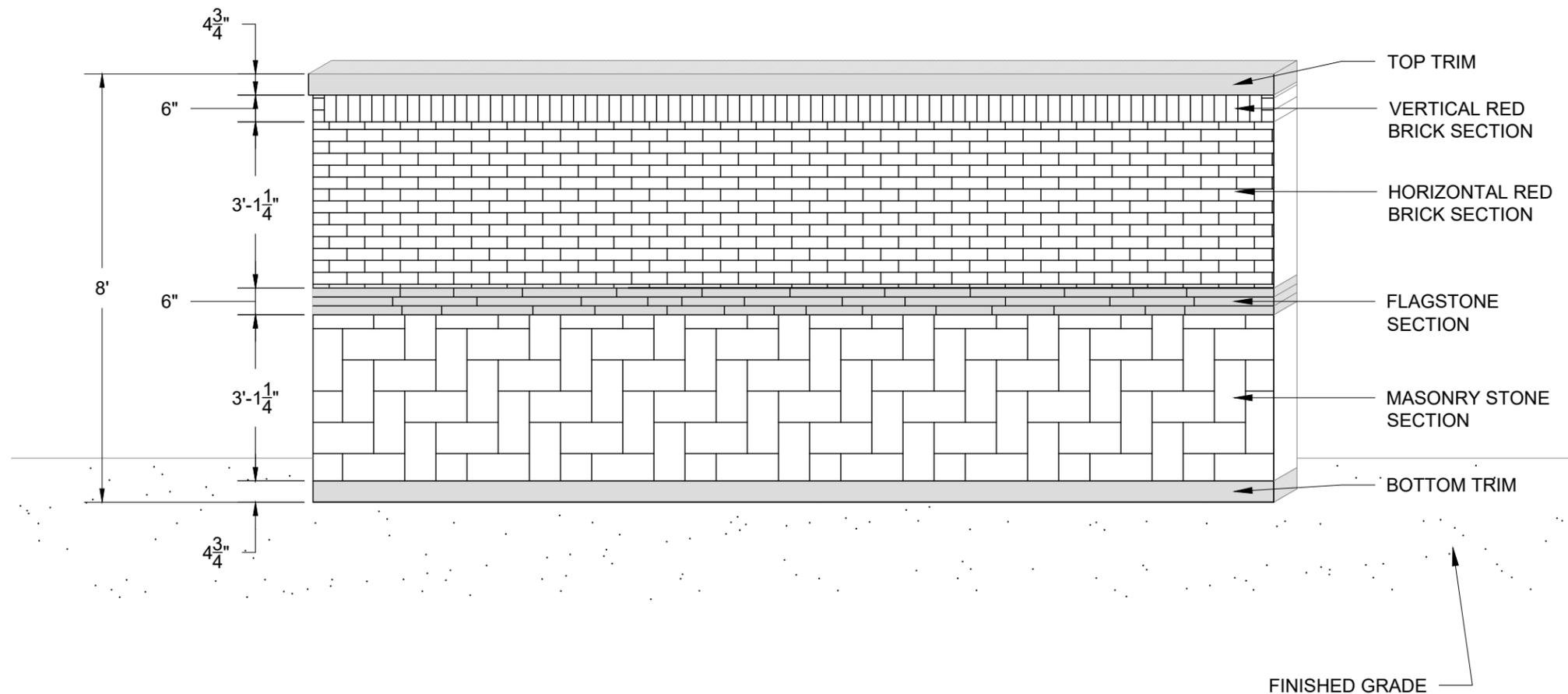
SHEET NUMBER: REVISION:

C4-1

0

NOTES:

1. REFER TO SHEETS G1-1 AND G1-2 FOR ADDITIONAL INFORMATION
2. ALL PIPE DIMENSIONS ARE INTERIOR DIAMETER
3. MATERIALS AND FINAL DIMENSIONS OF EACH WALL SECTION TO BE VERIFIED AND CHOSEN TO MATCH EXISTING ADJACENT SCHOOL BUILDING EXTERIOR



ELEVATION VIEW
SCALE: N.T.S.

1
C6-1



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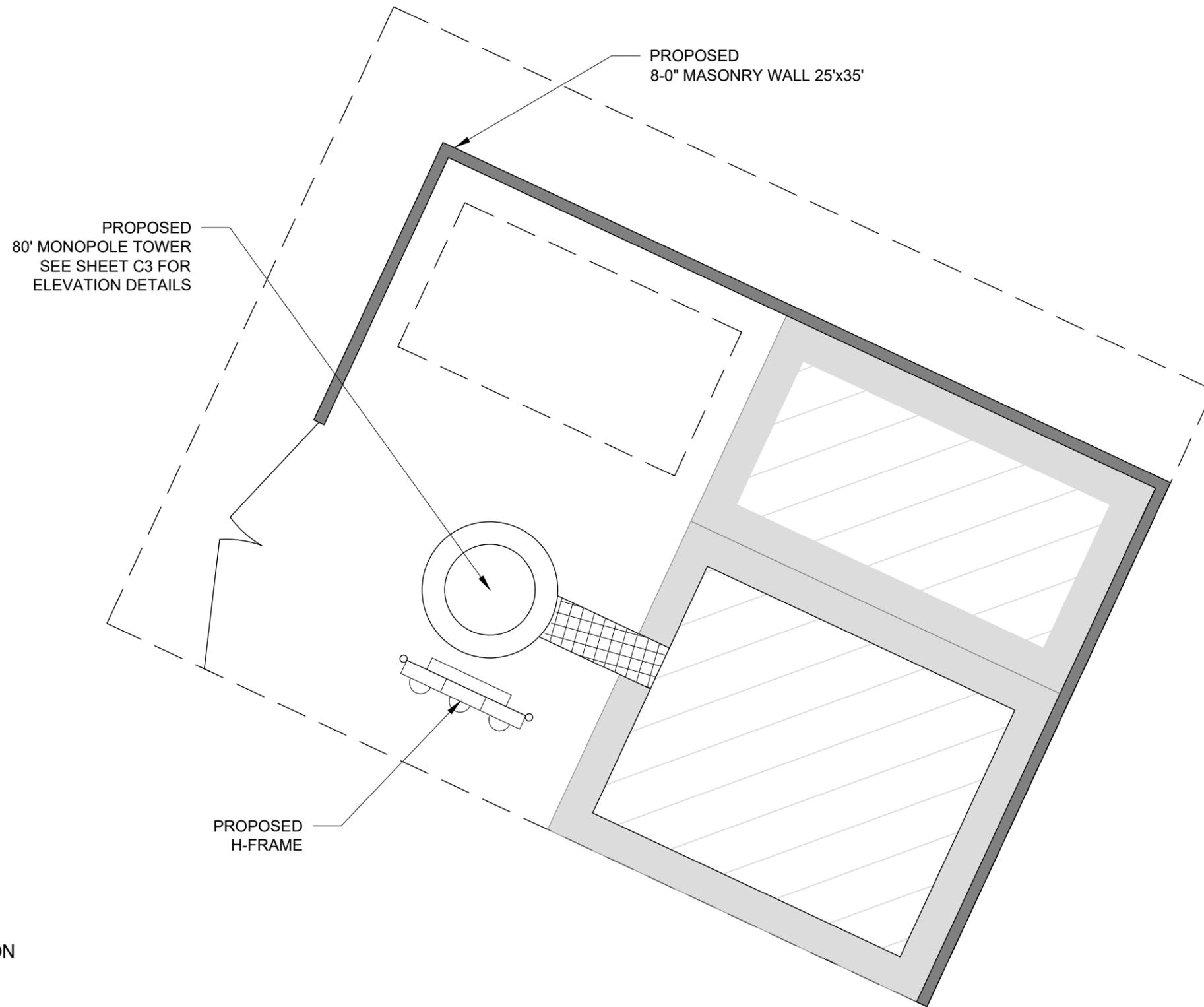


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SCALE
N.T.S.

COMPOUND
WALL DETAILS

SHEET NUMBER:	REVISION:
C6-1	0



NOTES:

1. FOR ADDITIONAL INFORMATION
REFERENCE C2-1

2. COMPLETION OF ELECTRICAL SERVICE
SHALL BE PERFORMED BY LICENSED
ELECTRICAL CONTRACTOR



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SCALE

3/16" = 1'-0"

**ELECTRIC, LIGHTING
AND TELCO PLAN**

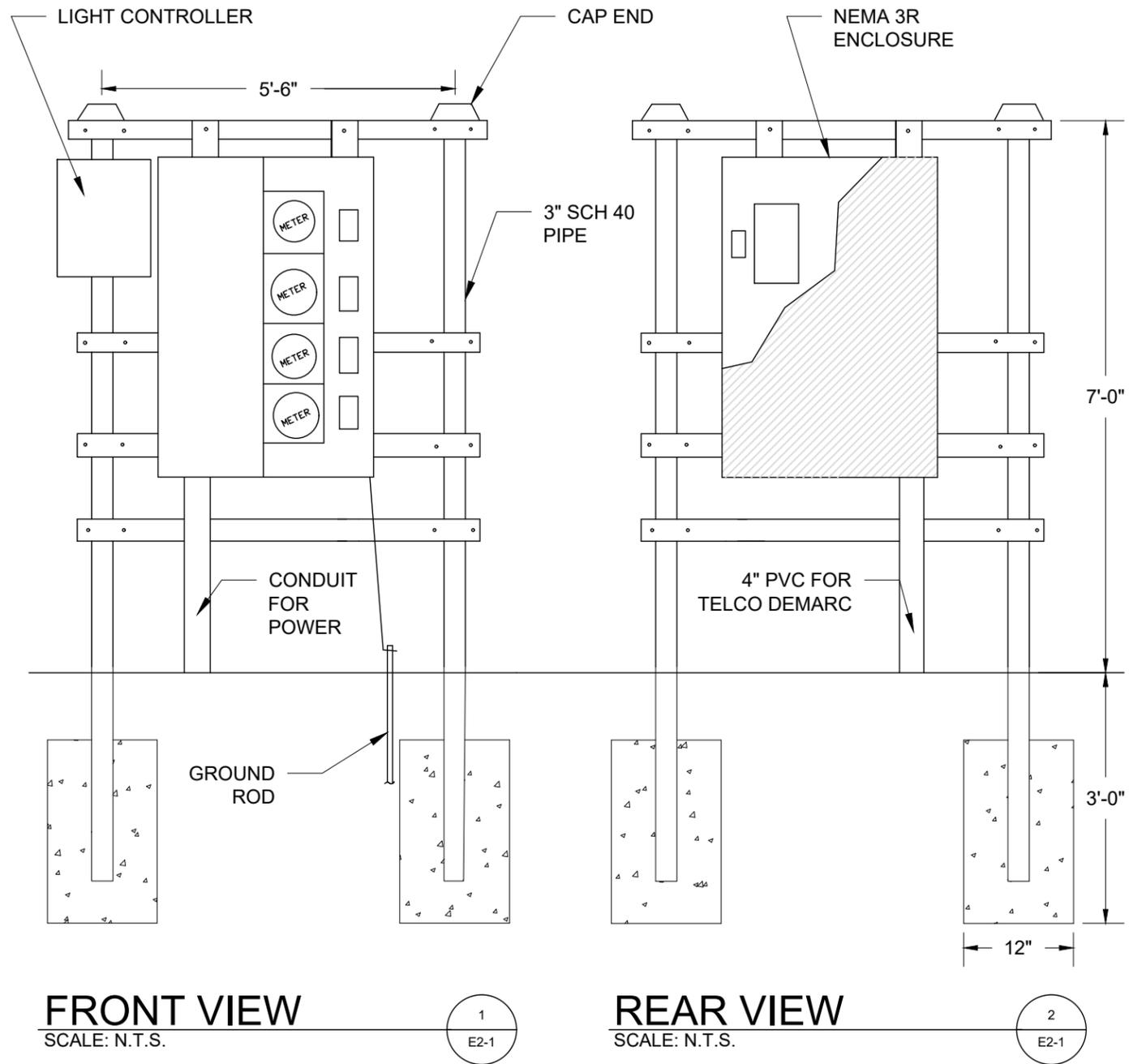
SHEET NUMBER: REVISION:

E1-1

0

NOTES

- 1 CONTRACTOR SHALL PROVIDE AND INSTALL MODULAR METERING MAIN, 120/240V, 400A, NEMA 3R WITH FOUR METER SOCKETS. METER CENTER SHALL BE FURNISHED WITH 200A METER AND 200A CIRCUIT BREAKER. CIRCUIT BREAKERS SHALL BE COVERED WITH LEXAN METER COVER.
- 2 CONTRACTOR SHALL PROVIDE AND INSTALL TELCO DEMARCATION BOX TO INCLUDE 48" X 48" X 12" NEMA 3R ENCLOSURE WITH BACKPLATE AND GFI RECEPTACLE (120V, 5A).
- 3 TOWER LIGHTING SHALL BE REQUIRED ON ALL TOWERS EXCEEDING 200' IN HEIGHT OR AS OTHERWISE REQUIRED BY FAA.
- 4 DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ALTERED IN THE FIELD TO BETTER SUIT ACTUAL CONDITIONS OR EQUIPMENT RECEIVED.
- 5 ALL CONDUIT SHALL BE SCH. 40 PVC UNDERGROUND.
- 6 ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN GOOD WORKING CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND BY THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING ENTITIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS AS ESTABLISHED BY ANSI, NEMA, NSFU, AND "UL" LISTED.
- 7 ALL CONDUIT SHALL HAVE A PULL STRING.
- 8 THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY IBC, NEC, AND APPLICABLE CODES.
- 9 UNDERGROUND AND/OR OVERHEAD LINES SHALL BE OF THE SIZE AND MATERIAL NECESSARY TO MEET THE LOCAL CODE REQUIREMENTS.
- 10 ALL FRAME MEMBERS TO BE 1-5/8" X 1-5/8" P1000 UNISTRUT (EXCEPT FOR LEGS). CONNECT TO LEGS WITH U BOLTS



FRONT VIEW
SCALE: N.T.S.

1
E2-1

REAR VIEW
SCALE: N.T.S.

2
E2-1



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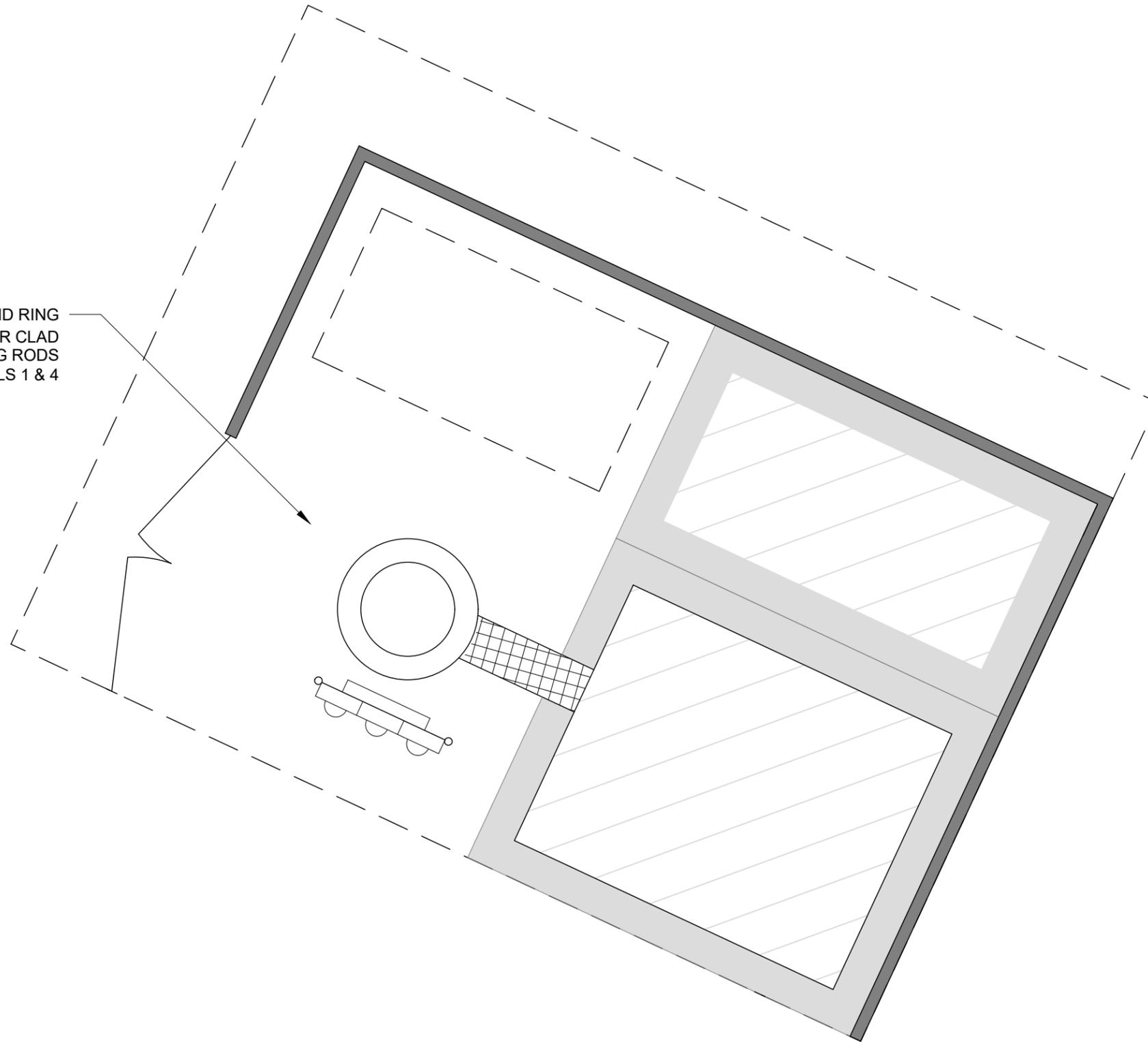
SCALE
N.T.S.

ELECTRICAL
DETAILS

SHEET NUMBER:	REVISION:
E2-1	0



#2 TINNED AWG GROUND RING
WITH 5/8" X 10'-0" COPPER CLAD
GROUNDING RODS
SEE SHEET E4-1 DETAILS 1 & 4



NOTES:

1. INFORMATION SHOWN IS FOR INFORMATION PURPOSES ONLY. DESIGN OF GROUNDING SYSTEM IS TO BE CONFIRMED BY LYNCOLE PRIOR TO INSTALLATION
2. REFERENCE LYNCOLE DESIGN FOR INSTALLATION OF GROUNDING
3. REFERENCE SHEET C2-1 FOR ADDITIONAL INFORMATION

THIS PLAN IS PROPOSED CONSTRUCTION
FOR THE SUBJECT SITE.



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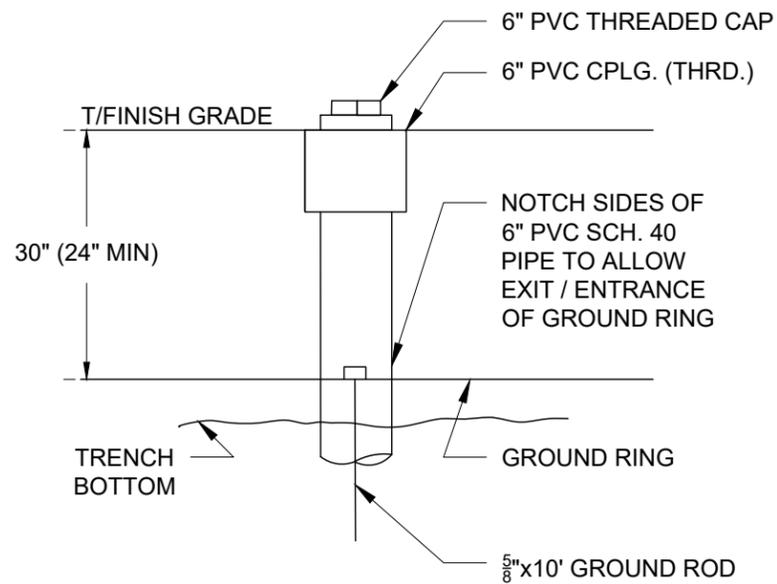
3/16" = 1'-0"

GROUNDING PLAN

SHEET NUMBER: REVISION:

E3-1

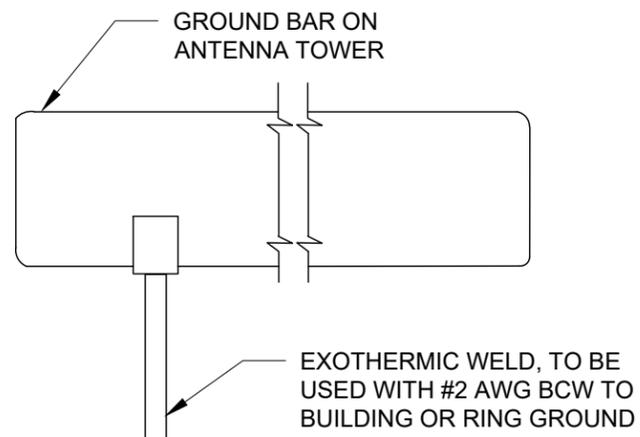
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GROUNDING WELL

SCALE: N.T.S.

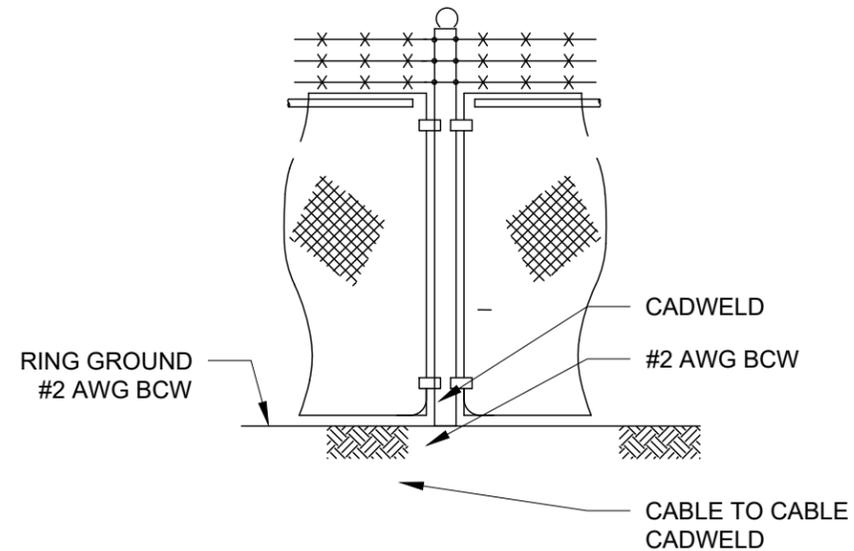
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E4-1



INSTALLATION OF GROUND WIRE TO GROUND BAR

SCALE: N.T.S.

2
E4-1

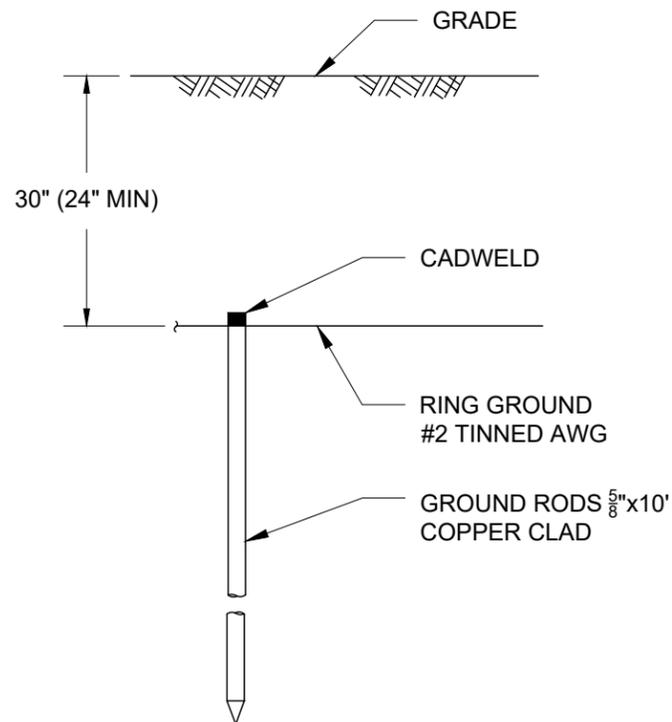


1. THE #2 AWG, BCW, FROM THE RING GROUND SHALL BE CADWELDED TO THE POST, ABOVE GRADE.
2. VERTICAL POST SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST. AS A MINIMUM, ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FEET

FENCE GROUNDING

SCALE: N.T.S.

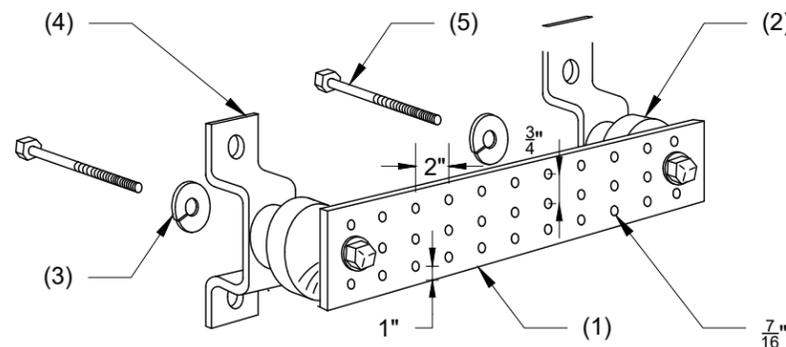
3
E4-1



ROD AND RING GROUNDING

SCALE: N.T.S.

4
E4-1



LEGEND

- (1) COPPER GROUND BAR, 1/4"x4"x20". HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
- (2) INSULATORS
- (3) 5/8" LOCKWASHERS
- (4) WALL MOUNTING BRACKET
- (5) 5/8"-11x1" H.H.C.S. BOLTS

GROUND BAR DETAIL

SCALE: N.T.S.

5
E4-1



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TEXAS NO. 117377

SCALE	N.T.S.
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GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E4-1	0

CONSTRUCTION

GENERAL

General construction, electrical, tower and foundation drawings are interrelated. In performance of the work each contractor must refer to all drawings. Coordination is the responsibility of the general contractor.

SITE WORK

PART 1 - GENERAL

1. Work included: See Site Plan

2. Access road, turnaround areas and sites are constructed to provide a well-drained, easily maintained, even surface for material and equipment deliveries and maintenance personnel access.

3. SEQUENCING

- A. Confirm survey stakes and set elevation stakes prior to any construction.
- B. Grub the complete road (if applicable) and site area prior to foundation construction or placement of backfill or subbase materials.
- C. Construct temporary construction zone along access drive.
- D. Bring the site area to subbase course elevation and bring the access road to base course elevation prior to forming foundation.
- E. Soil stabilizer shall be Mirafi - 500X or equal.
- F. Grade, seed, fertilize and mulch disturbed areas immediately after bringing site and access road to base course elevation.
- G. Remove gravel from temporary construction zone to an authorized area or as directed by the owner's representative.

4. SUBMITTALS

- A. Before construction:
 - i. If landscaping is applicable to contract, submit two copies of the landscape plan under nursery letterhead. If a landscape allowance was included in the contract, provide an itemized listing of proposed costs on nursery letterhead (refer to plans for landscaping requirements).

5. WARRANTY

- A. In addition to the warranty on all construction covered in the contract documents, the contractor shall repair all damage and restore area as close to original condition as possible at site and surroundings.
- B. Disturbed area will reflect growth of new grass cover prior to final inspection.

PART 2 - PRODUCTS

1. MATERIALS

- A. Road and site materials shall conform to DOT specifications fill material - acceptable select fill shall be in accordance with State Department of Highway and Transportation standard specifications and approved by the owner's representative.
- B. Soil stabilizer shall be Mirafi - 500X or equal.

PART 3 - EXECUTION

1. INSPECTIONS

Local building inspectors shall be notified no less than 24 hours in advance of concrete pours, unless otherwise specified by jurisdiction.

2. PREPARATION

- A. Clear trees, brush and debris from site area and access road right-of-way.
- B. Prior to other excavation and construction, grub organic material to a minimum of six (6) inches below grade.
- C. Prior to placement of fill or base materials, roll the soil.
- D. Where unstable soil conditions are encountered, line the areas with stabilizer mat prior to placement of fill or base material.

3. INSTALLATION

- A. The site and turnaround areas shall be at the subbase course elevation prior to forming foundation. Grade or fill the site and access road as required in order that upon distribution of spoils resulting from foundation excavations, the resulting grade will correspond with said subbase course, elevations are to be calculated from finished grades or slopes indicated.
- B. Clear excess spoils, if any, from job site and do not spread beyond the limits of project area unless authorized by the owner's representative and agreed to by landowner.
- C. Bring the access road to base course elevations prior to use to permit construction and observation during construction of the site.
- D. Avoid creating depressions where water may pond.
- E. The contract shall include grading, banking and ditching, unless otherwise indicated.
- F. When improving an existing access road, grade the existing road to remove any organic matter and smooth the surface before placing fill or stone.
- G. Place fill or stone in six inch maximum lifts and compact before placing next lift.
- H. The top surface course shall extend a minimum of six inches beyond the site fence and shall cover the area as indicated.
- I. Apply riprap gravel to the slopes of all fenced areas and parking areas and all other slopes greater than 2:1.
- J. Apply seed, fertilizer and straw cover to all other disturbed areas, ditches, drainage and swales not otherwise ripped.
- K. Apply seed and fertilizer to surface conditions which will encourage rooting. Rake areas to be seeded to even the surface and loosen the soil.
- L. Sow seed in two directions to twice the quantity recommended by the seed producer.

4. PROTECTION

- A. Protect seeded areas from erosion by spreading straw to a uniform loose depth of 1 - 2 inches, stake and tie down as required. Use of erosion control mesh or mulch net will be an acceptable alternate.
- B. Protect all exposed areas against washouts and soil erosion, place straw bales at the inlet approaches to all new or existing culverts. Where the site or road areas have been elevated immediately adjacent to the rail line, stake erosion control fabric full length in the swale to prevent contamination of the rail ballast.
5. The required structural fill operation to the grades indicated for PCS equipment shelters shall be performed as follows:
 - A. The structural fill material shall be placed in lifts not exceeding six inches in loose thickness.
 - B. Each layer of structural fill material placed shall be compacted to a minimum of 95° of maximum density obtainable by ASTM compaction test designation D-337-66T for cohesive fill or 75% relative as determined by ASTM D-2049-64T for cohesionless fill, whichever is greater.
 - C. The final grade of structural fill for all footings shall be capable of supporting the design soil bearing pressure load of 3,000 lbs. per square foot minimum.

FENCING AND GATE(S)

PART 1 - GENERAL

1. Work included: See plan for location of fence and gate(s).

2. QUALITY ASSURANCE

All steel materials utilized in conjunction with this specification will be galvanized or stainless steel. Weight of zinc coating of the fabric shall not be less than 12 ounces per square foot of material covered. Posts shall be hot-dipped galvanized.

3. SEQUENCING

If the site has been brought up to surface course elevation prior to the fence construction, fence post excavation spoils must be controlled to preclude contamination of said surface course.

4. SUBMITTALS

- A. Manufacturer's descriptive literature.
- B. Certificate or statement of compliance with the specifications.

PART 2 - PRODUCTS

1. FENCE MATERIAL

- A. All fabric wire, rails, hardware and other steel materials shall be hot-dipped galvanized.
- B. Fabric shall be six-foot height two-inch chain link mesh of No. 9 gauge wire. The fabric shall have a knuckled finish for the top selvages. Fabric shall conform to the specifications of ASTM A-392 Class 1.
- C. Barbed wire shall be double-strand, 12-1/2 gauge twisted wire strand with 14-gauge, 4-point round barbs spaced on five-inch centers, conforming to ASTM A121 Design # 12-4-5-14R Type 2.
- D. All posts shall be mechanical service pipe and shall be Type 1 ASTM F1083, High Strength (50 Ksi) Schedule 40 pipe, ASTM F1043 Group 1A, and of the following diameter (I.D. per fence industry standards).

Line	2 inches
Corner	3 inches
Gate	4 inches
- E. Gate posts shall be extended 12 inches, including dome cap, to provide for attachment of barbed wire.
- F. All top and brace rails shall be 1-1/2" diameter mechanical service pipe. Frames shall have welded corners.
- G. Gate frame and braces shall be 1-5/8" diameter Schedule 40 mechanical service pipe. Frames shall have welded corners.
- H. Gate frame shall have a full height vertical brace and a full width horizontal brace, secured in place by use of gate brace clamps.
- I. Gate hinges shall be Merchants Metal Model 6-4386-hinge adapter with Model 6-409, 188 degree attachment.
- J. The guide (latch assembly) shall be heavy industrial gate latch. Master Halco #17221.
- K. Latches and stops shall be provided for all gates.
- L. All stops shall have keepers capable of holding the gate leaf in the open position.
- M. A No. 7 gauge zinc coated tension wire shall be used at the bottom of the fabric terminated with bank clips at corner and gateposts, conforming to ASTM A824 Type II.
- N. A six-inch by 1/2-inch diameter eyebolt to hold tension wire shall be placed at the line posts.
- O. Stretcher bars shall be 3/16-inch by 3/4-inch or have equivalent cross-sectional area, and conform to ASTM F626, having a minimum zinc coating of 1.2oz/sq-ft.
- P. All corner gate and panels shall have a 3/8-inch truss rod with turnbuckles.
- Q. All posts except gateposts shall have a combination cap and barbed wire supporting arm. Gateposts shall have a dome cap.
- R. Other hardware includes but may not be limited to the clips, band clips and tension band clips.
- S. Barbed wire gate guards shall be fitted with dome caps.
- T. Barbed wire support arms shall be cast iron with set bolt and lock wire in the arm.
- U. All caps shall be cast steel.
- V. Where the use of concertina has been specified, 24-inch diameter coil barbed tape, stainless steel, cyclone fence model gap to Type III shall be furnished. It shall be supported above the top rail by use of six wire barbed wire arms positioned atop each line/corner post.



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SCALE

N.T.S.

GENERAL NOTES

SHEET NUMBER: REVISION:

G1-1

0

PART 3 - EXECUTION

1. INSPECTION

To confirm proper depth and diameter of post hole excavations, all post holes will be excavated as per construction documents.

2. INSTALLATION

- A. Foundations shall have a minimum six-inch concrete cover under post.
- B. All fence posts shall be vertically plumb plus/minus one-quarter inch.
- C. At corner posts, gateposts and sides of gate frame, fabric shall be attached with stretcher and tension band-clips at fifteen inch intervals.
- D. At line posts, fabric shall be attached with band-clips at fifteen inch intervals.
- E. Fabric shall be attached to brace rails, tension wire and truss rods with tie clips at two foot intervals.
- F. A maximum gap of two inches will be permitted between the chain link fabric and the final grade.
- G. Gate shall be installed so locks are accessible from both sides.
- H. Gate hinge bolts shall have their threads peened or welded to prevent unauthorized removal.
- I. Concrete to be a minimum of 3,000 psi.

3. PROTECTION

Upon completion of erection, inspect fence material and paint field cuts or galvanizing breaks with zinc-based paint, color to match the galvanized metal.

Applicable Standards:

- ASTM-A120 Specification for pipe, steel black and hot-dipped, zinc coated (galvanized) welded and seamless.
- ASTM-A123 Zinc (hot-dipped galvanized) coated steel chain link fence fabric.
- ASTM-A153 Specification for zinc coating (hot-dip) on iron and steel hardware.
- ASTM-A392 Specification for zinc-coated steel chain link fence fabric.
- ASTM-A431 Specification for aluminum-coated steel chain link fence fabric.
- ASTM-A525 Standard specification for steel sheet zinc coated (galvanized) by the hot-dipped process.
- ASTM-A535 Specification for aluminum coated steel barbed wire.
- ASTM-A570 Specification for hot-rolled carbon steel sheet and strip, structural quality.
- Federal Specification RR-F-191 Fencing Wire and Post Metal (and Gates, Chain Link Fence Fabric and Accessories)

ELECTRICAL

- 1. Contractor shall review the contract documents prior to the ordering of the electrical equipment and starting the actual construction. Contractor shall issue a written notice of all findings to the architect listing any discrepancies or conflicting information.
- 2. Verify exact locations and mounting heights of electrical equipment with owner prior to installation.
- 3. All materials and equipment shall be new and in good working 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 applicable. Materials shall meet with approval of all governing bodies having jurisdiction. Materials shall be manufactured in accordance with applicable standards established by ANSI, NEMA, NSFU and "UL" listed.
- 4. All conduit shall have a pull string.
- 5. Provide Project Manager with one set of complete electrical "As Installed" drawings at the completion of the job showing actual dimensions, routing and circuits.
- 6. The entire electrical installation shall be grounded as required by IBC, NEC and all applicable codes.
- 7. Patch, repair and paint any area that has been damaged in the course of the electrical work.
- 8. Wire and cable conductors shall be copper 600 amp, type THHN or THWN with a minimum size of #2 AWG color-coded. All rectifier drops shall be stranded to accept crimp connectors.
- 9. All chemical ground rods shall be "UL" approved.
- 10. Meter socket amperes, voltage, number of phases shall be as noted on the drawings, manufactured by Milbank or approved equal and shall be utility company approved.
- 11. **CONDUIT**
 - A. Electrical metallic tubing shall have UL label; fitting shall be gland ring compression type.
 - B. Flexible metallic conduit shall have UL listed label and may be used where permitted by code. Fittings shall be "Jake" or "Squeeze" type. All flexible conduits shall have full length ground wire.
 - C. All underground conduit shall be PVC Schedule 40 with UV protection (unless noted otherwise) at a minimum depth of 24" below grade.
- 12. Contractor to coordinate with utility company for connection of temporary and permanent power to the site. The temporary power and all hookup costs are to be paid by the contractor.

13. All electrical equipment shall be labeled with permanent engraved plastic labels with white on blue background lettering (minimum letter height shall be 1/4"). Nameplates shall be fastened with stainless steel screws, not adhesive.

14. GROUNDING ELECTRODE SYSTEM

A. PREPARATION

- i. Surface Preparation:
 - All connections shall be made to bare metal. All painted surfaces shall be field inspected and modified 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.
- ii. 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.
- iii. All grounding conductors shall run through seal tight 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

- i. All ground bars shall be 1/4" thick copper and of size indicated on drawings.

C. EXTERNAL CONNECTIONS

- i. All grounding connections shall be made by the exothermic weld process. Connections shall include all cable, splices, tee's, x's, etc. All cable to ground rods, ground rod splices and lightning protection systems are to be as indicated. All materials used (molds, welding metal, tools, etc.) shall be cadweld and installed per manufacturer's recommended procedures.

D. GROUND RODS

- i. All ground rods shall be 5/8" diameter by 10'-0" long "copperweld" or approved equal of the number and locations indicated. Ground rods shall be driven full length vertically in undisturbed earth.

E. GROUND CONDUCTORS

- i. All ground conductors shall be standard tinned, solid bare copper, annealed and size indicated on drawings.

F. GROUND RING

- i. The external ground ring encircling the tower (if applicable) and future carrier shall be minimum size of No. 2 AWG solid tinned, bare copper conductor in direct contact with the earth at a depth specified on plan sheets and details. Conductor bends shall have a minimum bending radius of eight inches.
- ii. All external ground rings are to be joined together and all connections must be cadwelded. No lugs or clamps will be accepted.

G. FENCE / GATE

- i. Ground each gatepost, corner post and gate as indicated on drawing. Ground connections to fence posts and all other connections for the ground grid system shall be made by exothermic weld process and installed per manufacturer's recommendations and procedures and sprayed and cold-galvanized paint.



HEMPHILL

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(918) 834-2200



STS (SPECIALTY TELECOMMUNICATIONS
CONSULTANTS, LLC)
13431 BROADWAY EXT., SUITE 120,
OKLAHOMA CITY, OK 73114

PROJECT NO:	1640
PROJECT NAME:	WESTRIDGE
911 ADDRESS:	TBD
DRAWN BY:	RGH
CHECKED BY:	MK/SLT/JRH

ISSUED FOR:
APPROVAL

REV	DATE	DESCRIPTION
0	03/24/21	FOR APPROVAL

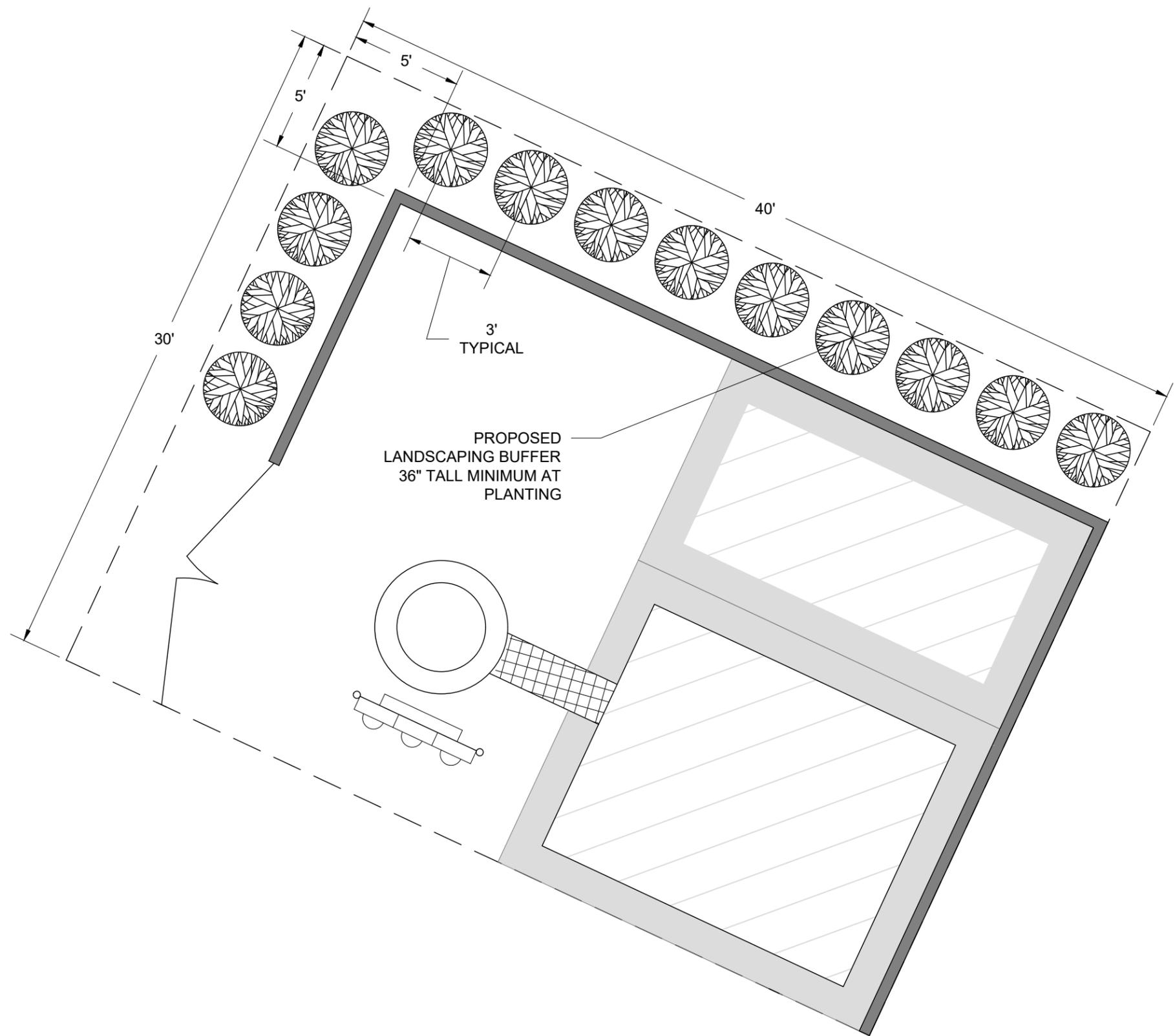


SAMUAL T. CURTIS, P.E.
TEXAS NO. 117377

SCALE
N.T.S.

GENERAL NOTES

SHEET NUMBER:	REVISION:
G1-2	0



PROPOSED
LANDSCAPING BUFFER
36" TALL MINIMUM AT
PLANTING

3'
TYPICAL

30'

40'

5'

5'

- NOTES:
1. PROPOSED PLANT SPECIES:
SPARTAN JUNIPER (JUNIPERUS
CHINENSIS "SPARTAN"), TO
MATCH EXISTING LANDSCAPE OF
ADJACENT SCHOOL BUILDING
 2. FINAL PLANTING OFFSET
DISTANCES TO BE VERIFIED AND
MODIFIED AS NEEDED TO MATCH
EXISTING LANDSCAPE OF
ADJACENT SCHOOL BUILDING



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COMPOUND
LAYOUT

SHEET NUMBER:	REVISION:
L1-1	0