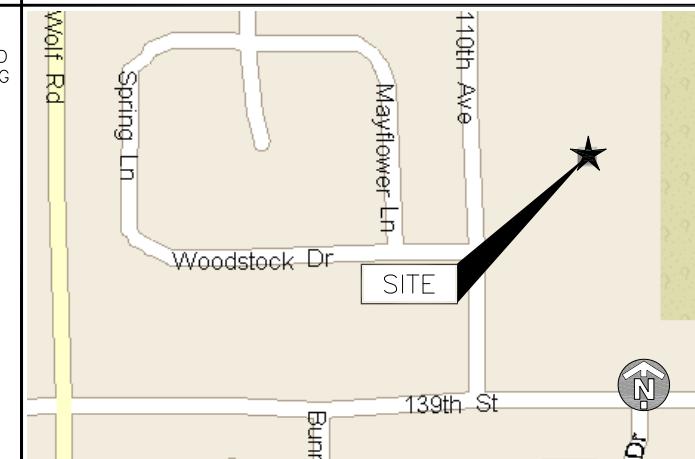
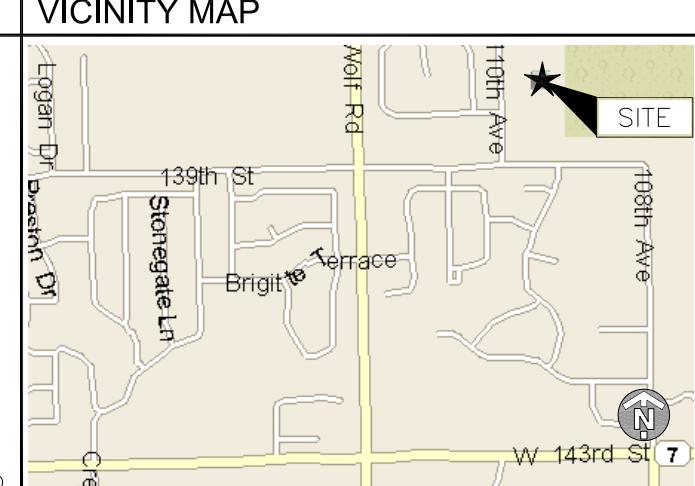




ORLAND PARK POLICE DEPARTMENT

<p style="text-align: center;"><u>SITE NAME</u> ORLAND PARK POLICE <u>SITE ADDRESS</u> 139TH ST. & 110TH ST. ORLAND PARK, IL 60467 <u>SITE TYPE</u> MONOPOLE</p>			
<p style="text-align: center;"> FULLERTON ENGINEERING • DESIGN 9600 W. BRYN MAWR AVE., SUITE 200 ROSEMONT, ILLINOIS 60018 TEL: 847-292-0200 FAX: 847-292-0206 DESIGN FIRM NO. 184-002498 www.FullertonEngineering.com</p>			
CODE	AREA MAP	PROJECT SUMMARY	Sheet Index
ILLINOIS STATE 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 NEEDS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.		SITE NAME: ORLAND PARK POLICE SITE ADDRESS: 139TH ST. & 110TH ST. COUNTY: ORLAND PARK, IL 60467 COOK PARCEL ID#: 27-05-103-003	SHEET DESCRIPTION T-1 TITLE SHEET T-2 GENERAL NOTES S-1 PLAT OF SURVEY L-1 OVERALL SITE PLAN AERIAL L-1A OVERALL SITE PLAN L-2 ENLARGED SITE PLAN L-3 EQUIPMENT LAYOUT L-4 TOWER ELEVATION L-5 PLANTING DETAILS
BUILDING CODE: INTERNATIONAL BUILDING CODE: 2012 EDITION			CHECKED BY: VT APPROVED BY: AR
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE: 2011 EDITION			# DATE DESCRIPTION INT. 4/8/14 PRELIM ZD'S KS 6/18/14 FINAL ZD'S KS
ACCESSIBILITY REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED.		SITE COORDINATES FROM GOOGLE LATITUDE: 41.637106° LONGITUDE: -87.887778° GROUND ELEVATION: 737'	
PROJECT DESCRIPTION <ul style="list-style-type: none"> THE WIRELESS COMMUNICATIONS FACILITY IS NOT INTENDED FOR HUMAN OCCUPANCY THIS FACILITY DOES NOT REQUIRE POTABLE WATER AND WILL NOT PRODUCE ANY SEWAGE. SCOPE OF WORK CONSISTS OF ADDING NEW EQUIPMENT COMPOUND AND LANDSCAPING, NEW 150' TALL MONOPOLE, NEW ANTENNA, NEW DISH ANTENNA, AND NEW EQUIPMENT CABINET ON NEW CONCRETE PAD 	VICINITY MAP 	TOWER OWNER: COMPANY: ORLAND PARK POLICE DEPARTMENT CONTACT: PATRICK C. DUGGAN ADDRESS: 15100 S. RAVINIA AVE. ORLAND PARK, IL 60462 EMAIL: pduggan@orland-park.il.us PH: (708) 364-8122	CERTIFICATION STATEMENT: I CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF THE 2012 INTERNATIONAL BUILDING CODE.
NOTE: DRAWING SCALES ARE FOR 11"X17" SHEETS UNLESS OTHERWISE NOTED.		CONSTRUCTION MANAGER: COMPANY: FULLERTON ENGINEERING CONSULTANTS, INC. CONTACT: TONY TUREK EMAIL: tturek@fullertonengineering.com PH: (847) 292-0200 EX (227)	LICENSED ENGINEER – STATE OF ILLINOIS 
		ENGINEERING FIRM: COMPANY: FULLERTON ENGINEERING CONSULTANTS, INC. CONTACT: VENERA TAKO EMAIL: vtako@fullertonengineering.com OFFICE: (847) 292-0200 EX (242)	DATE SIGNED: 6/18/14 LICENSE#: 081-004073 EXPIRES: 11/30/2014
DRIVING DIRECTIONS AND SITE ACCESS INFORMATION CHICAGO O'HARE INTERNATIONAL AIRPORT ON I-190 (WEST). TURN RIGHT ONTO RAMP. TURN RIGHT (SOUTH) ONTO BESSIE COLEMAN DR. TAKE RAMP (RIGHT) ONTO I-190. *TOLL ROAD* AT EXIT 1D, TAKE RAMP (RIGHT) ONTO I-294 [TRI-STATE TOLLWAY]. *TOLL ROAD* TURN RIGHT ONTO RAMP. *TOLL ROAD* KEEP RIGHT TO STAY ON RAMP. STAY ON RAMP (WEST). MERGE ONTO I-55 [JOLIET RD S]. AT EXIT 274, TURN RIGHT ONTO RAMP. KEEP LEFT TO STAY ON RAMP. TAKE RAMP (RIGHT) ONTO IL-83 [KINGERY HWY]. KEEP STRAIGHT ONTO IL-171 [IL-83]. TURN LEFT (SOUTH) ONTO BELL RD. TURN LEFT (EAST) ONTO W 131ST ST [131ST ST]. KEEP STRAIGHT ONTO (W) 131ST ST. TURN RIGHT (SOUTH) ONTO WOLF RD. TURN LEFT (EAST) ONTO W 135TH ST. TURN RIGHT (SOUTH) ONTO 110TH AVE. TURN LEFT (EAST) ONTO LOCAL ROAD(S). ARRIVE AT SITE.		PROJECT TEAM  APPLICANT FULLERTON ENGINEERING • DESIGN 9600 W. BRYN MAWR AVE., SUITE 200 ROSEMONT, ILLINOIS 60018 TEL: 847-292-0200 FAX: 847-292-0206 DESIGN FIRM NO. 184-002498 www.FullertonEngineering.com PROJECT MANAGER/ENGINEER T-1	
GATE COMBINATION: N/A			

CIVIL

1. ALL EARTHWORK SHALL BE IN ACCORDANCE WITH THESE GENERAL NOTES
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING, SHORING AND SAFETY BARRICADING. ALL ADJACENT STRUCTURES, ROADS, BURIED ELECTRICAL DUCTS, AND FOUNDATIONS SHALL BE PROTECTED FROM DAMAGE CAUSED BY THE EXCAVATION.
3. UPON THE COMPLETION OF THE EXCAVATION WORK AND PRIOR TO THE START OF THE CONCRETE WORK, A CLIENT REPRESENTATIVE SHALL INSPECT THE EXPOSED SUBGRADE AND VERIFY THE EXISTING SOIL BEARING CAPACITY MEETS THE VALUE OF THE PROJECT GEOTECHNICAL REPORT
4. THE BACKFILLING AND COMPACTION OPERATIONS WILL BE PERFORMED UNDER THE DIRECTION AND FULL TIME SUPERVISION OF A CLIENT REPRESENTATIVE HIRED BY THE CONTRACTOR. BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF ASTM D3282. MATERIAL GROUP CLASSIFICATION A-1 AND HAVING A MAXIMUM GRAIN SIZE OF 1-1/2.
5. COMPACTED STRUCTURAL FILL SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 8" LOOSE THICKNESS. STRUCTURAL FILL SHALL BE NO. 53 GRADED CRUSHED STONE.
6. FOUNDATIONS HAVE BEEN DESIGNED ASSUMING THE FOLLOWING ALLOWABLE SOIL BEARING PRESSURES AT 3000 PSF.
7. AN INDEPENDENT MATERIAL TESTING FIRM MAY BE RETAINED TO PERFORM QUALITY ASSURANCE TESTING OF MATERIAL FOR THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THE TESTING COMPANY PERSONNEL IN OBTAINING NECESSARY SAMPLES.

MISCELLANEOUS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SAFE AND ORDERLY WORK SITE AT ALL TIMES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOADING AND UNLOADING, AND HAULING OF ALL MATERIAL TO AND FROM THE CONSTRUCTION SITE.
3. ALL APPLICABLE OSHA REQUIREMENTS, LOCAL BUILDING CODES AND THOSE OF ANY OTHER REGULATORY AGENCY SHALL BE STRICTLY ADHERED TO.
4. CONTRACTOR SHALL VERIFY ALL NECESSARY CLEARANCES AND CONDITIONS BETWEEN EXISTING SUPPORTS INDICATED ON THE PLANS BEFORE STARTING ANY CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF DISCREPANCIES.

CONCRETE

1. ALL MATERIALS, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF THE 'AMERICAN CONCRETE INSTITUTE' ACI 318-08, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
2. ALL CONCRETE SHALL BE NORMAL WEIGHT, AIR ENTRAINED (MIN. 5%), AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A 1" MAXIMUM AGGREGATE SIZE AND 4' MAXIMUM SLUMP.
3. SLABS ON GRADE SHALL BE REINFORCED WITH WWF 6X6- W2.9X2.9 FABRIC SHALL BE SUPPLIED IN FLAT SHEETS, NOT ROLLS. WIRE REINFORCEMENT SHALL BE PLACED 2" BELOW SURFACE UNLESS OTHERWISE NOTED.
4. ALL CONCRETE REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60. BARS SHALL BE BENT COLD. WELDING OF REINFORCING BARS IS STRICTLY PROHIBITED.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A18S.
6. ALL ANCHOR RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554 GR. 36, UNLESS NOTED. NUTS FOR ANCHOR RODS SHALL BE HEAVY HEX CONFORMING TO ANSI B18.2.2 AND ASTM A563 GRADE DH. ALL ANCHOR RODS AND NUTS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AND A153 RESPECTIVELY. CHASE ALL THREADS AFTER GALVANIZATION
7. WASHERS SHALL BE PLAIN CIRCULAR IN ACCORDANCE WITH ASTM F-844 AND ANSI B18.22.1 TYPE A. PLATE MATERIAL SHALL CONFORM TO ASTM A36. ALL WASHERS AND PLATES SHALL BE GALVANIZED PER ASTM A123.
8. ALL SPECIAL EMBEDDED ITEMS SHALL BE FABRICATED OUT OF A36 STEEL AND SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
9. THE SLUMP OF CONCRETE AS DETERMINED BY ASTM C143, SHALL BE IN ACCORDANCE WITH THE TABLE BELOW:

	<u>MIN.</u>	<u>MAX.</u>
FOUNDATIONS, FOOTINGS AND SLAB ON GRADE	2'	4'
10. THE FOLLOWING MINIMUM CONCRETE COVER (THIS CLEARANCE IS TO ALL REINFORCEMENT INCLUDING STIRRUPS, TIES AND SPIRALS) SHALL BE PROVIDED FOR REINFORCEMENT UNLESS OTHERWISE NOTED ON THE DESIGN DRAWINGS, IN WHICH CASE THE DESIGN DRAWING SHALL GOVERN;
 - A. FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH SHALL HAVE 3" MINIMUM COVER.
 - B. FORMED CONCRETE SURFACES EXPOSED TO EARTH OR WEATHER SHALL HAVE A MINIMUM 2' COVER
 - C. CONCRETE FORMED SURFACES NOT EXPOSED TO WEATHER (INTERIOR) AND NOT IN CONTACT WITH GROUND SHALL HAVE A MINIMUM 1-1/2' COVER.
11. REINFORCEMENT SHALL BE FREE OF RUST, OIL OR OTHER DELETERIOUS MATERIAL AND BE SECURELY FASTENED TO PREVENT DISPLACEMENT DURING PLACEMENT OF CONCRETE.
12. REINFORCING BARS SHALL NOT BE TACKED OR SPOT WELDED FOR ANY PURPOSE.
13. CONCRETE FINISHES:
 - A. ALL EXPOSED EDGES OF CONCRETE FOUNDATIONS AND STRUCTURES SHALL HAVE A 3/4" X 45 DEG. CHAMFER.
 - B. COARSE BROOM FINISH FOR PAVEMENT, SLABS ON GRADE AND SIDEWALKS, UNLESS OTHERWISE NOTED.
14. PROVISION SHALL BE MADE FOR MAINTAINING CONCRETE IN A CONTINUAL MOIST CONDITION FOR A PERIOD OF AT LEAST 7 DAYS AFTER PLACEMENT. THE CONCRETE WILL THEN CONTINUE TO BE COVERED FOR AN ADDITIONAL 3 DAYS.
15. DETAILING OF REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
16. GROUT SHALL BE NON SHRINK/NON METALLIC, THE CONTRACTOR SHALL PLACE THE GROUT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.
17. CONCRETE CONTRACTOR SHALL COORDINATE CONCRETE WORK WITH ELECTRICAL PRIOR TO PLACING CONCRETE.
18. SAND FILL SHALL BE CLEAN, COMPATIBLE AND WELL GRADED 100% PASSING, AND INCLUDING, SIZE #8 SIEVE.

STEEL

1. ALL STRUCTURAL STEEL CONSTRUCTION SHALL BE FABRICATED AND ERECTED TO CONFORM TO THE FOLLOWING CODES AND SPECIFICATIONS:
AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN", DATED JUNE 1, 1989, INCLUDING SUPPLEMENT NO.1, DATED DECEMBER 17, 2001.
AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", DATED MARCH 7, 2000.
2. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES AND WT'S CUT FROM WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50. ALL OTHER STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A36.
3. ALL NON FIREPROOFED STRUCTURAL STEEL AND CHECKERED PLATE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
4. CONTACT SURFACES OF JOINTS WHICH ARE TO BE GALVANIZED SHALL BE COMPLETELY SEAL WELDED PRIOR TO GALVANIZING.
5. ALL SURFACES TO BE FIELD WELDED SHALL BE GROUND TO BARE STEEL AFTER GALVANIZING.
6. STEEL TO BE GALVANIZED SHALL BE DELIVERED TO THE SITE SUCH THAT THERE IS NO GALVANIZING WITHIN 2" OF THE HEAT AFFECTED ZONE OF INDICATED FIELD WELDS. THE STEEL SURFACE SHALL BE BARE METAL IN THE HEAT AFFECTED ZONE.
7. ALL WELDING MATERIALS, PROCEDURES AND QUALITY CONTROL SHALL BE IN ACCORDANCE WITH "STRUCTURAL WELDING CODE - STEEL, AWS D1.1 - LATEST EDITION".
8. WELDING SHALL BE IN CONFORMANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AWS D1.1 STRUCTURAL WELDING CODE-STEEL. WELDING FOR STAINLESS STEEL SHALL CONFORM TO AWS D1.6.
9. FIELD WELDS AND ADJACENT STEEL SURFACES SHALL BE TOUCHED UP WITH "Z.R.C. COLD GALVANIZING COMPOUND FOR IRON AND STEEL", MANUFACTURED BY Z.R.C. PRODUCTS COMPANY, A DIVISION OF NORFOLK CORP., QUINCY, MASSACHUSETTS OR APPROVED EQUAL. THE MATERIAL SHALL BE APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
10. A MINIMUM OF TWO BOLTS OR EQUIVALENT WELD SHALL BE USED FOR ALL CONNECTIONS UNLESS OTHERWISE NOTED.
11. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE 3/4" DIAMETER A325 BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE, UNLESS OTHERWISE NOTED.
12. BOLTS SHALL BE SUPPLIED WITH ASTM A563 GRADE DH HEAVY HEX. NUTS AND ASTM F436 HARDENED WASHERS.
13. BOLTS SHALL BE TIGHTENED BY THE "TURN OF THE NUT" METHOD IN ACCORDANCE WITH THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", LATEST EDITION.
14. ALL GUSSET PLATES AND BEAM CONNECTION ANGLES SHALL BE 3/8" THICK MINIMUM.
15. MINIMUM SIZE FILLET WELD SHALL BE 1/4" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
16. ALL SHARP STEEL CORNERS SHALL BE ROUNDED AND GROUND SMOOTH.
17. ANY HOLES REQUIRED FOR FIELD ERECTION SHALL BE DRILLED/PUNCHED, NO BURNING SHALL BE PERMITTED.
18. BAR GRATING SHALL BE SERRATED HOT DIP GALVANIZED WELDED STEEL TYPE WITH 1-1/4"X 3/16" BEARING BARS SPACED 1-3/16" O.C. AND CROSS BARS SPACED 4" O.C. AS MANUFACTURED BY AMICO-KLEMP CORPORATION OF CHICAGO, ILLINOIS OR APPROVED EQUAL. BAR GRATING SHALL BE SADDLE CLIPPED TO SUPPORT BARS TO FACILITATE REMOVAL. (MINIMUM OF 4 CLIPS PER GRATING PANEL).
19. TENSION AND COMPRESSION BRACING MEMBERS COMPOSED OF TWO OR MORE ROLLED SHAPES SHALL BE SEPARATED BY INTERMITTENT FILLERS AND CONNECTED AT THESE FILLERS AT INTERVALS PER THE AISC SPECIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL Dewatering, SHORING AND SAFETY BARRICADING. ALL ADJACENT STRUCTURES, ROADS, BURIED ELECTRICAL DUCTS, AND FOUNDATIONS SHALL BE PROTECTED FROM DAMAGE CAUSED BY THE EXCAVATION.



FULLERTON

ENGINEERING • DESIGN

9600 W. BRYN MAWR AVE., SUITE 200
ROSEMONT, ILLINOIS 60018
TEL: 847-292-0200
FAX: 847-292-0206
DESIGN FIRM NO. 184-002498
www.FullertonEngineering.com

CHECKED BY:	VT
APPROVED BY:	AF

SIGNED DATE: 6/18/14

SITE NAME

ORLAND PARK POLICE

SITE ADDRESS

139TH ST. & 110TH ST.
ORLAND PARK, IL 60467

SHEET NAME

SHEET NUMBER

T-2

Schumack Farm

1-9

1-16.02

3 0020067766

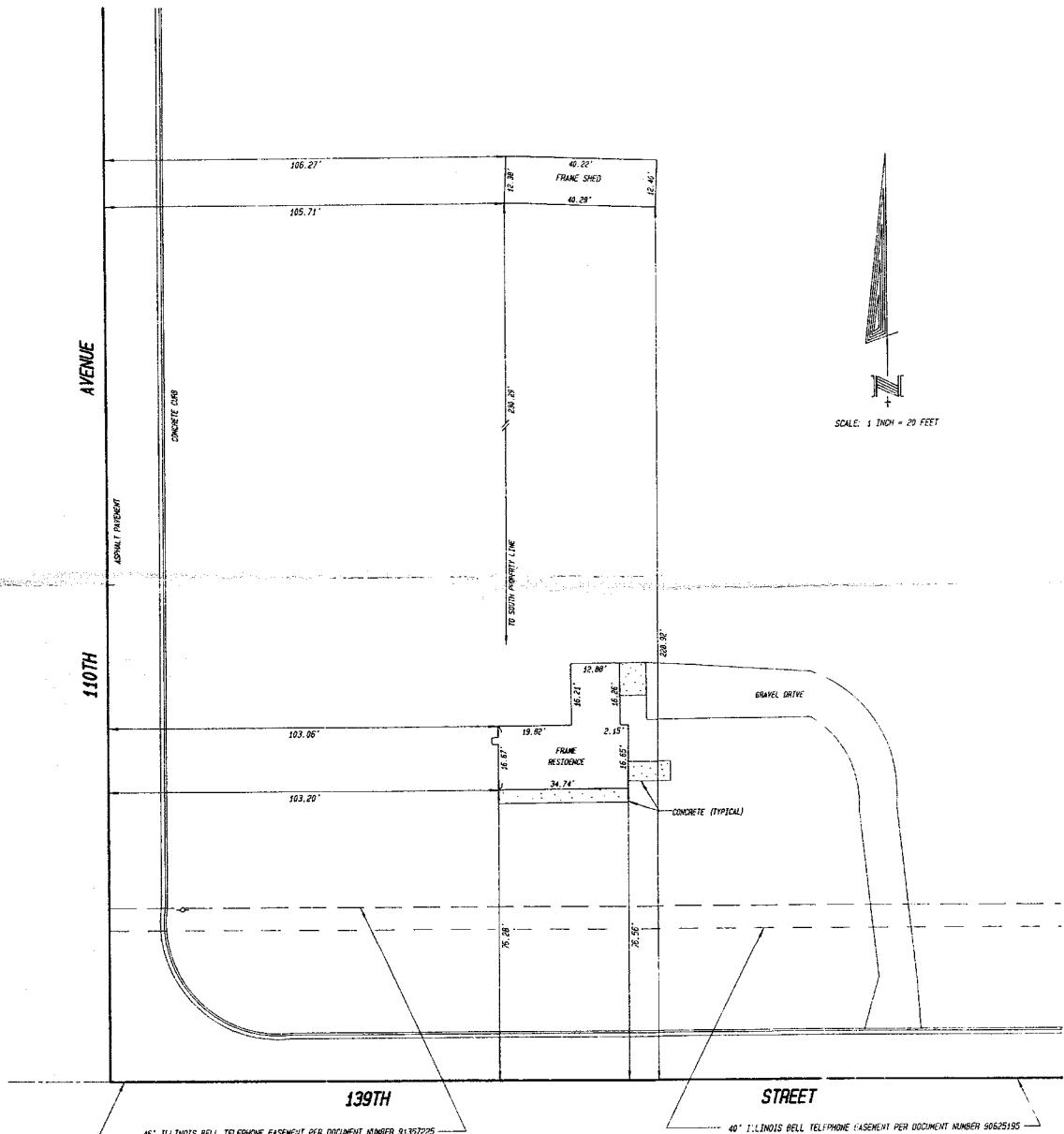
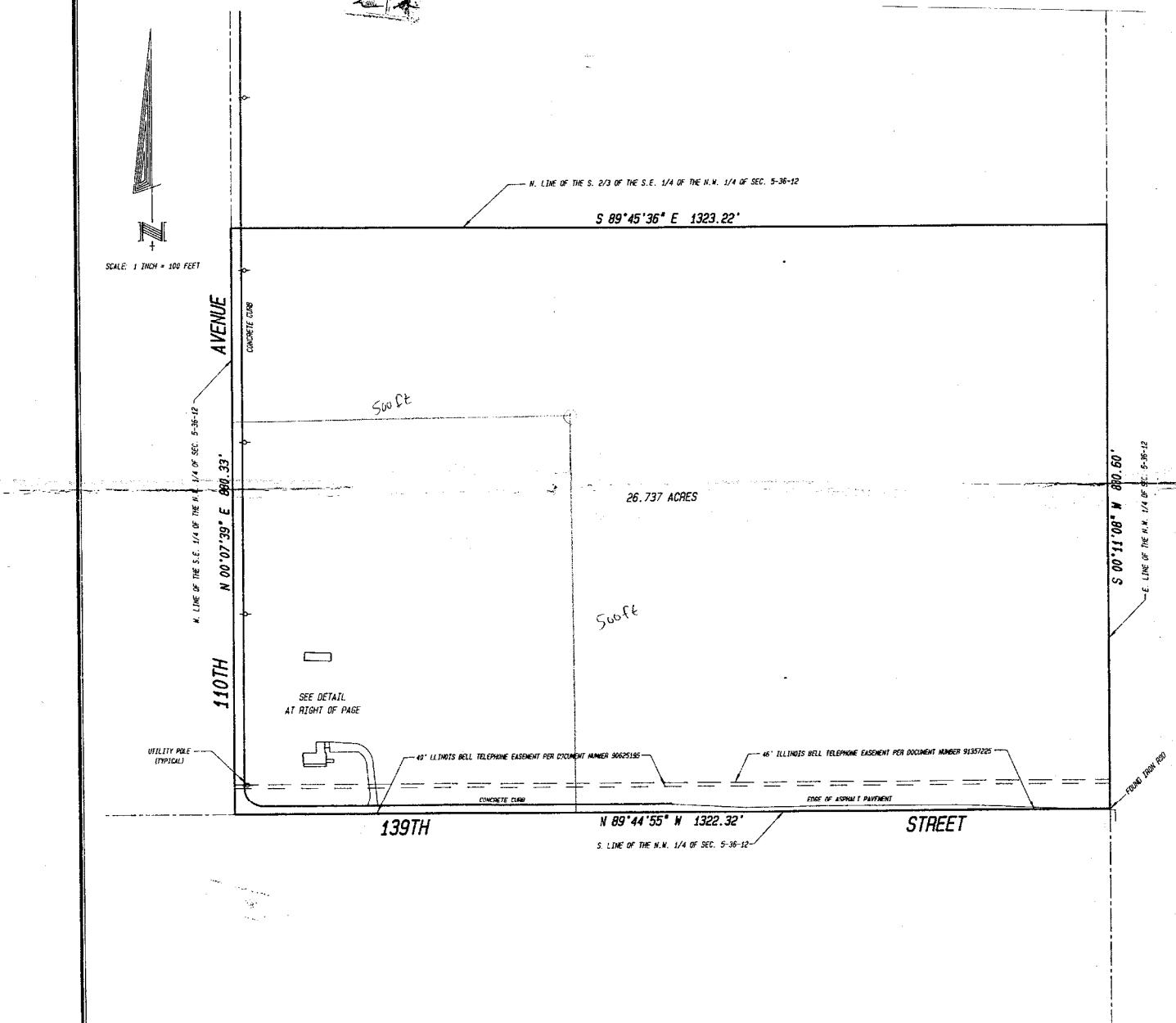
PIN's: 27-05-103-003
27-05-103-004

PLAT OF SURVEY

THE SOUTH 2/3 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 5, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

**DOCUMENT
WITH THIS**

A rectangular stamp with a double-line border. The word "EXHIBIT" is printed in large, bold, capital letters at the top. In the bottom left corner, there is a smaller, tilted rectangular area containing the word "SEARCHED" vertically. Below the main text area is a large, stylized letter "A" centered on a horizontal line.



29429002

**PRIOR TO ANY CONSTRUCTION
CALL
J.U.L.I.E.
TOLL FREE
1-800-892-0123**

END OF RECORD
PLATS

THIS DOES NOT REQUIRE THE COUNTY CLERK'S ENDORSEMENT
REQUIRED IN SECTION 516 CHAPTER 120 REVENUE LAW 0

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

I, THOMAS J. CESAL, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY AND THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY. ALL DIMENSIONS ARE GIVEN IN FEET AND DECIMAL PARTS THEREOF, CORRECTED TO 68 DEGREES FAHRENHEIT.

DATED THIS 4TH DAY OF JANUARY, 2000.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2205

SCALE: 1 INCH = AS SHOWN FEET
ORDERED BY: PALOS BANK & TRUST
ORDER NO.: 99-5400

COMPARE ALL POINTS BEFORE BUILDING AND AT ONCE REPORT ANY DIFFERENCE FOR BUILDING LINES, EASEMENTS, AND OTHER RESTRICTIONS NOT SHOWN HEREON. REFER TO YOU ABSTRACT, DEED, CONTRACT AND ZONING ORDINANCE. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT UPON THIS PLAN.

ABBREVIATIONS	
A/C	AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AGL	ABOVE GRADE LEVEL
AMSL	ABOVE MEAN SEA LEVEL
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTS	BASE TRANSMISSION STATION
CAB	CABINET
COL	COLUMN
CONC	CONCRETE
CND	CONDUIT
DAP	DIVERSE ACCESS POINT
DWG	DRAWING
FT	FOOT (FEET)
EGB	EQUIPMENT GROUND BAR
ELEC	ELECTRICAL
ELEV	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
(E)	EXISTING
FND	FOUNDATION
GALV	GALVANIZED
GAP	GROUND ACCESS POINT
GND	GROUND
GPS	GLOBAL POSITIONING SYSTEM
IN	INCH(ES)
LB (#)	POUND(S)
MAX	MAXIMUM
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NOM	NOMINAL
NTS	NOT TO SCALE
NV	NETWORK VISION
OE/OT	OVERHEAD ELECTRIC/TELCO
POS	POSITION
RGS	RIGID GALVANIZED STEEL
RRU/RRH	REMOTE RADIO UNIT
SF	SQUARE FOOT
STL	STEEL
T & B	TOP & BOTTOM
T/	TOP
TBD	TO BE DETERMINED
TYP	TYPICAL
UE/UT	UNDERGROUND ELECTRIC/TELCO
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
XFMR	TRANSFORMER

ABBREVIATIONS

A/C	AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AGL	ABOVE GRADE LEVEL
AMSL	ABOVE MEAN SEA LEVEL
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTS	BASE TRANSMISSION STATION
CAB	CABINET
COL	COLUMN
CONC	CONCRETE
CND	CONDUIT
DAP	DIVERSE ACCESS POINT
DWG	DRAWING
FT	FOOT (FEET)
EGB	EQUIPMENT GROUND BAR
ELEC	ELECTRICAL
ELEV	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
(E)	EXISTING
FND	FOUNDATION
GALV	GALVANIZED
GAP	GROUND ACCESS POINT
GND	GROUND
GPS	GLOBAL POSITIONING SYSTEM
IN	INCH(ES)
LB (#)	POUND(S)
MAX	MAXIMUM
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NOM	NOMINAL
NTS	NOT TO SCALE
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OE/OT	OVERHEAD ELECTRIC/TELCO
POS	POSITION
RGS	RIGID GALVANIZED STEEL
RRU/RRH	REMOTE RADIO UNIT
SF	SQUARE FOOT
STL	STEEL
T & B	TOP & BOTTOM
T/	TOP
TBD	TO BE DETERMINED
TYP	TYPICAL
UE/UT	UNDERGROUND ELECTRIC/TELCO
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
XFMR	TRANSFORMER

SYMBOLS

	REVISION
	WORK POINT
	UTILITY POLE
	BRICK
	COMPRESSED STONE
	CONCRETE
	EARTH
	GRAVEL
	MASONRY
	STEEL
-----	CENTERLINE
-----	PROPERTY LINE
-----	LEASE LINE
-----	EASEMENT LINE
-----	FENCE
X X	CHAINLINK
□ □	WOOD
O O	WROUGHT IRON
E E	ELECTRIC
DE DE	OVERHEAD
UE UE	UNDERGROUND
F F	FIBER
OF OF	OVERHEAD
UF UF	UNDERGROUND
T T	TELEPHONE
OF OF	OVERHEAD
UT UT	UNDERGROUND
DC DC	DCPOWER



OVERALL SITE PLAN AERIAL

SCALE: 1" = 150'-0" | 1



L-1



FULLERTON

ENGINEERING • DESIGN

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ROSEMONT, ILLINOIS 60018
TEL: 847-292-0200
FAX: 847-292-0206
DESIGN FIRM NO. 184-002498
www.FullertonEngineering.com

CHECKED BY:

APPROVED BY:

SIGNED DATE: 6/18/14

ORLAND PARK POLICE

SITE ADDRESS
139TH ST. & 110TH ST.
BLOCK 24714, # 22457

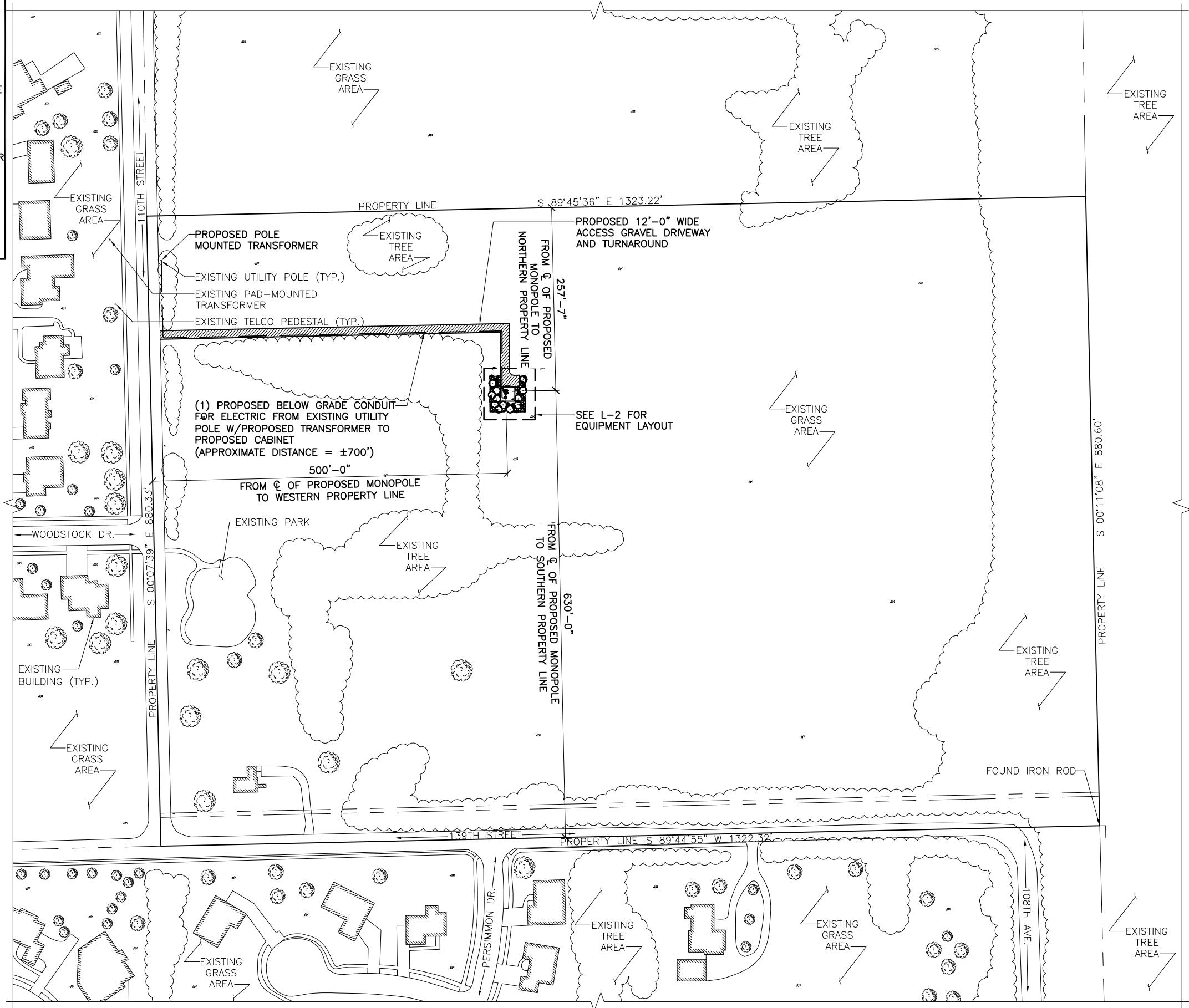
**OVERALL SITE
PLAN AERIAL**

SHEET NUMBER

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NOTES:

1. ALL CELL TOWER EQUIPMENT SHALL BE LOCATED WITHIN THE FENCED ENCLOSURE AS SHOWN IN THESE PLANS.
2. NEW MONPOLE & FENCE SHALL BE NEUTRALY COLORED.
3. THE CONSTRUCTION OF THE PROPOSED CELL SITE DOES NOT REQUIRE REMOVAL OF ANY EXISTING TREES GREATER THAN 4" IN DIAMETER.
4. ANY EXPOSED BARE SOIL SHALL BE SEDED.
5. THE CONSTRUCTION OF THE PROPOSED CELL SITE SHALL BE IN COMPLIANCE WITH ALL APPLICABLE VILLAGE CODES AND ORDINANCES.



OVERALL SITE PLAN

SCALE: 1" = 150'-0" 1



FULLERTON
ENGINEERING • DESIGN

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www.FullertonEngineering.com

CHECKED BY: VT
APPROVED BY: AR

#	DATE	DESCRIPTION	INT.
4/8/14		PRELIM ZD'S	KS
6/18/14		FINAL ZD'S	KS



SIGNED DATE: 6/18/14
SITE NAME

**ORLAND PARK
POLICE**

SITE ADDRESS
139TH ST. & 110TH ST.
ORLAND PARK, IL 60467

SHEET NAME
**OVERALL
SITE PLAN**

SHEET NUMBER

L-1A



FULLERTON

ENGINEERING • DESIGN

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ROSEMONT, ILLINOIS 60018
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A circular blue ink stamp. The outer ring contains the text 'STATE OF ILLINOIS' at the top and 'LICENSED STRUCTURAL ENGINEER' at the bottom. The center of the stamp features a five-pointed star, the name 'ABRAHAM J. ROKACH' in a large serif font, and the number '081-004073' below it.

SIGNED DATE: 6/18/14

SITE ADDRESS
139TH ST. & 110TH ST.
ORLAND PARK IL 60467

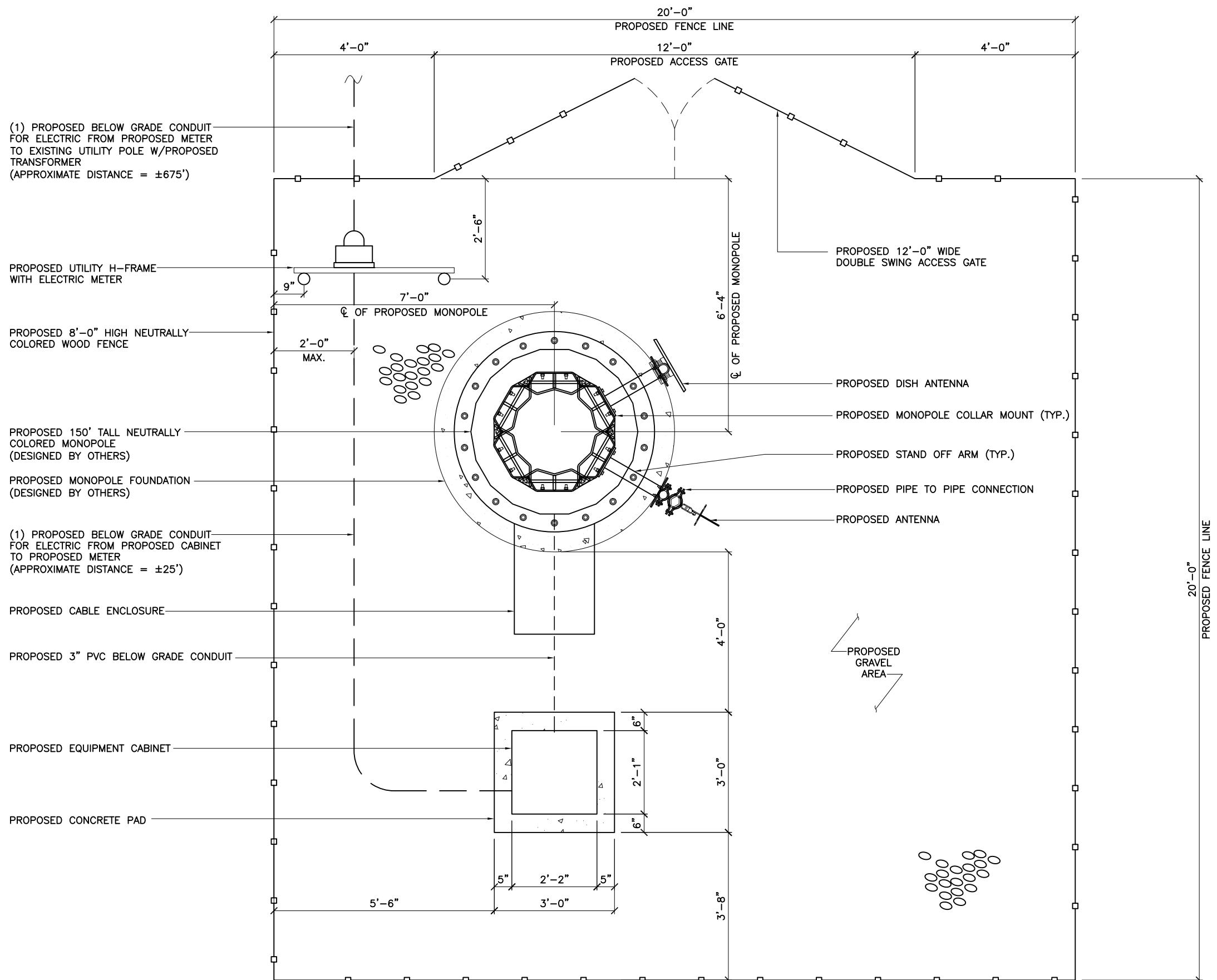
SHEET NAME

EQUIPMENT LAYOUT

SHEET NUMBER

L-3

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EQUIPMENT LAYOUT

SCALE: 3/8" = 1'-0" 1

L-3



FULLERTON

ENGINEERING · DESIGN

9600 W. BRYN MAWR AVE., SUITE 200
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TEL: 847-292-0200
FAX: 847-292-0206
DESIGN FIRM NO. 184-002498
www.FullertonEngineering.com

SIGNED DATE: 6/18/14

SITE ADDRESS

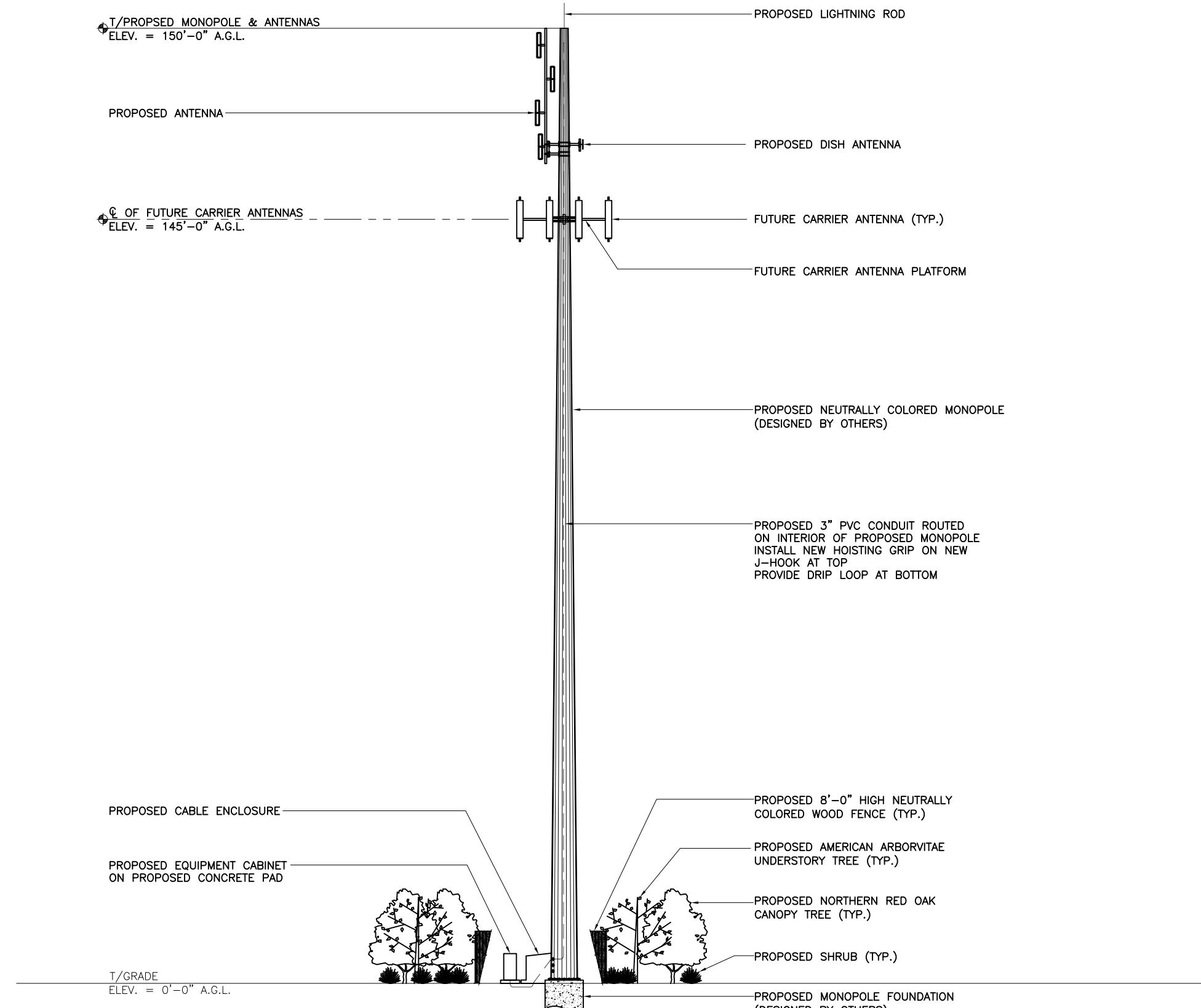
ORLAND PARK, IL 60467

TOWER ELEVATION

ANSWER

L-4

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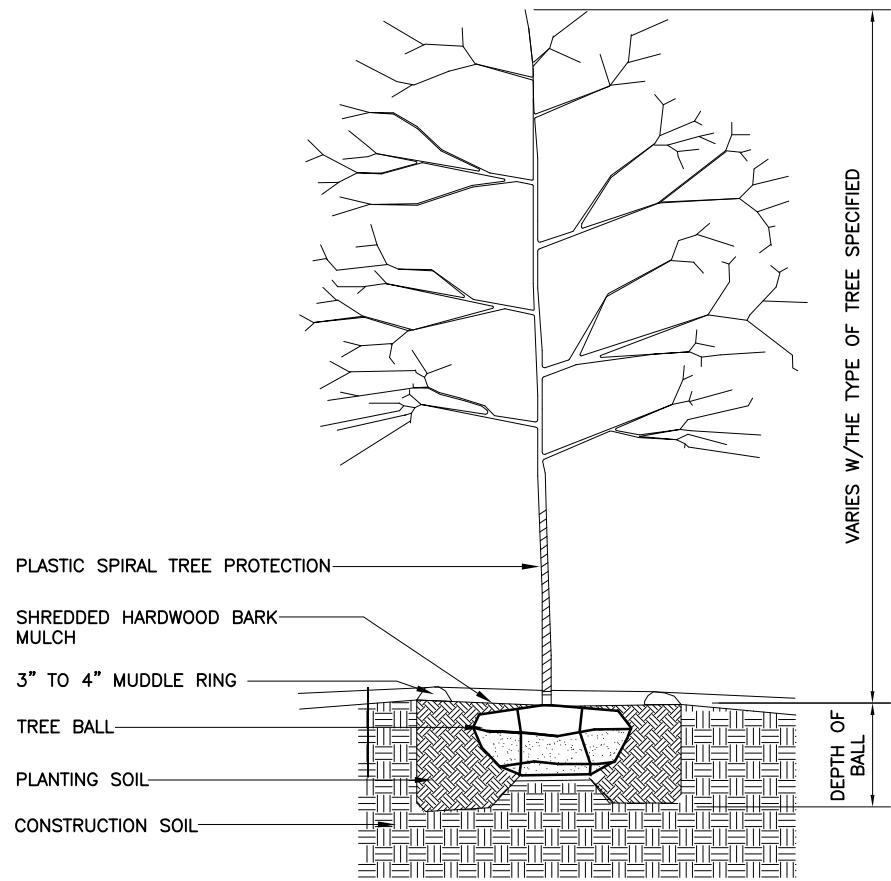
ELEVATION

SCALE: N.T.S. 1



NOTES:

- 1) EXCAVATE 'PLANTING PIT' TWICE THE DIAMETER OF BALL & 6" GREATER IN DEPTH. LOOSEN SUBSOIL W/PICK TO ENSURE POROSITY. PLACE 6" PEAT MOSS IN 'PLANTING PIT' & TAMP. SELECT BEST VIEWING ANGLE, LIFT STOCK BY BALL & PLACE IN 'PLANTING PIT'. UNWRAP TOP HALF OF BALL. BACKFILL W/MIXTURE 1/3 PEAT MOSS-2/3 TOP-SOIL & TAMP. WRAP TRUNK W/PAPER TAPE TO FIRST BRANCH & SECURE. TO STAKE W/RUBBER HOSE, GUY WIRE, LAY-IN (POROUS) FABRIC WEED BARRIER & FORM 3" SAUCER TO ENCIRCLE STOCK. FILL W/3" SHREDDED WOOD & STOCK MULCH. FLOOD IMMEDIATELY & WATER FREQUENTLY.
- 2) PLANT SIZES SPECIFIED ARE MINIMUM ACCEPTABLE.



QUANTITY	COMMON NAME	BOTANICAL NAME	TRUNK CALIPER	PLANTING METHOD	DESIGN SIZE	
					SPREAD	HEIGHT
11	FLAME AMUR MAPLE	ACER GINNALA	2-1/2" MIN	B & B	15'-28"	15'-20"
12	NORTHERN RED OAK	QUERCUS RUBRA	2-1/2" MIN	B & B	50'-60"	50'-60"

FLAME AMUR MAPLE & RED OAK

SCALE: N.T.S.

1

AMERICAN ARBORVITAE

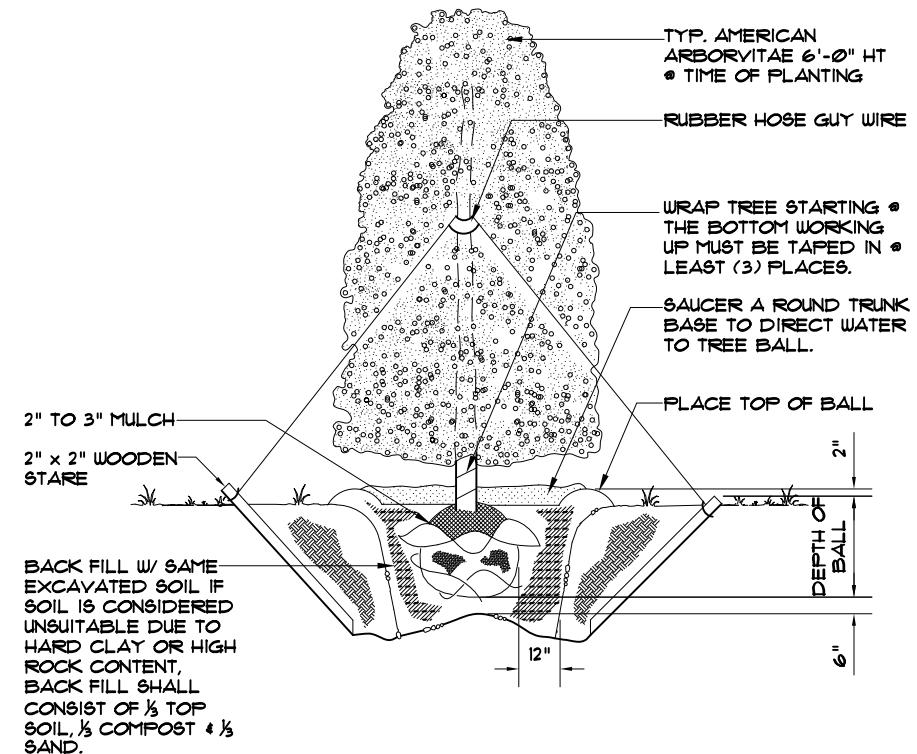
SCALE: N.T.S.

1

NOTES:

1) EXCAVATE 'PLANTING PIT' TWICE THE DIAMETER OF BALL & 6" GREATER IN DEPTH. LOOSEN SUBSOIL W/PICK TO ENSURE POROSITY. PLACE 6" PEAT MOSS IN 'PLANTING PIT' & TAMP. SELECT BEST VIEWING ANGLE. LIFT STOCK BY BALL & PLACE IN 'PLANTING PIT'. UNWRAP TOP HALF OF BALL. BACKFILL W/MIXTURE 1/3 PEAT MOSS & 2/3 TOP SOIL & TAMP. WRAP TRUNK W/PAPER TAPE TO FIRST BRANCH & SECURE TO STAKE W/RUBBER HOSE GUY WIRE. LAY IN (POROUS) FABRIC WEED BARRIER & FORM 3" SAUCER TO ENCIRCLE STOCK. FILL W/3" SHREDDED WOOD & STOCK MULCH. FLOOD IMMEDIATELY & WATER FREQUENTLY.

2) PLANT SIZES SPECIFIED ARE MINIMUM ACCEPTABLE.



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SIGNED DATE: 6/18/14

SITE NAME
**ORLAND PARK
POLICE**

SITE ADDRESS
139TH ST. & 110TH ST.

SHEET NAME
**PLANTING
DETAILS**

SHEET NUMBER

L-5