Cultural Resource Assessment of the Proposed US-WA-1010 Lake Forest Park Telecommunications Facility in Lake Forest Park

King County, Washington

SubTerranean Consultants

Cultural Resources Assessment of the Proposed US-WA-1010 Lake Forest Park Telecommunications Facility in Lake Forest Park, King County, Washington

November 9, 2022

Prepared by:
Billy McCarley
Subterranean Consultants
Atlanta, Georgia

Prepared for:
Lotis Environmental
8899 Main Street, Suite 107
Williamsville, NY 14221

Lead Agency:

Federal Communications Commission (FCC)

Billy J. McCarley, MA, RPA
Principal Investigator

MANAGEMENT SUMMARY

Subterranean Consultants (STC) conducted an intensive cultural resources assessment of the proposed US-WA-1010 Lake Forest Park telecommunications facility on November 3, 2022. The proposed project would replace an existing 42-ft. pole with a 90-ft. stealth monopine. The proposed project area is in Lake Forest Park, northwestern King County, Washington. This assessment was conducted for Lotis Environmental on behalf of Vertical Bridge, to locate and identify cultural resources and to assess resource significance based on National Register of Historic Places (NRHP) criteria (36CFR Part 60.4 [a-d]). The assessment was conducted to comply with the provisions of the Federal Communications Commission (FCC) permitting under the Nationwide Programmatic Agreement (47 CFR Part 1). In accordance with the permitting process, the survey was conducted in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended.

The cultural assessment included a literature review for architectural and archaeological resources and intensive field survey for cultural resources within the direct APE. The Washington Department of Archaeology and Historic Preservation (DAHP) WISAARD database was utilized for previously recorded architectural and archaeological resources. The visual affects APE for the project area is determined to be .5 mi since the proposed tower is 90 ft. The direct APE is determined to be all ground disturbing activity.

During the literature review, which took place on November 2, 2022, STC determined that there are no previously recorded DAHP or NRHP-eligible or listed resources within .5 mi of the proposed project area. There are no previously recorded archaeological sites within 1 mi of the current direct APE. Archaeology field survey was conducted using surface and subsurface techniques (i.e., visual inspection and shovel testing) to locate and identify archaeological resources, if any, within the project area direct effects APE.

Field Survey: There were no cultural materials (i.e., culturally modified artifacts, cultural deposits, features, or human remains) identified within the direct effects APE.

Recommendations: Because of the absence of cultural resources within the project area APE for direct effects, no resources will be impacted by the proposed project. Additionally, no eligible or listed architectural properties are located within the .5 mi viewshed of the proposed 90-ft. telecommunications pole. Therefore, STC recommends a finding of **No Historic Properties** within the direct and indirect APEs; no further work is recommended.

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TABLE of FIGURES

I. INTRODUCTION

Project Name:	US-WA-1010 Lake Forest Park
Project Type:	90-ft. Monopine Tower, Compound Expansion
Lead Agency:	Federal Communications Commission (FCC)
State:	Washington
Township:	Lake Forest Park
County:	King
USGS Topographic Map:	Edmonds East (1953 Pr. 1981)
Geographic Coordinates:	NAD 83; N 47° 46' 19.49", W 122° 16' 51.08"
UTM:	NAD 83; Zone 10, E 0553881, N 5291219
Area of Proposed Project:	912 Sq. Ft. (.02 ac)
Total Area Surveyed:	912 Sq. Ft. (.02 ac)
Tower Height:	90-ft.
Visual APE:	.5 mi.
Survey Type:	Intensive Cultural Resources Assessment
Results:	Negative

Subterranean Consultants (STC) conducted an intensive cultural resource survey of the proposed US-WA-1010 Lake Forest Park telecommunications facility on November 3, 2022, in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended (Figures 1-3). The direct APE consists of a proposed 22.8-ft. by 25-ft. (6.9-m by 7.6-m) lease expansion to the northwest, and a 22.8 ft. by 15-ft. (6.9-m by 4.5-m) lease expansion to the southeast of an existing compound, all totaling 912 sq. ft. (.02 ac). The indirect APE is .5 mi since the proposed monopine would be 90 ft (see Figure 3). The proposed project area is in northwestern King County 1.3 km (.8 mi) northeast of Lake Forest Park, Washington, and 194 m (639 ft.) north of the intersection of 45th Avenue Northeast and 44th Avenue Northeast (see Figures 1 and 2). To comply with Section 106 of the NHPA and the Federal Communications Commission (FCC) Nationwide Programmatic Agreement (NPA) (47 CFR Part 1), STC followed 36 CFR Part 800 of the Code of Federal Regulations (CFR) during this identification effort, and if significant archaeological resources are identified, STC would assess resource significance based on National Register of Historic Places (NRHP) criteria (36CFR Part 60.4 [a-d]). No resources were identified during this survey. Therefore, this report is abbreviated to include a topographic map of the survey vicinity, environmental context, including photographs of the project area surveyed, field methodologies, and results. Billy McCarley conducted the fieldwork and served as principal investigator for this cultural resource survey (Appendix B).

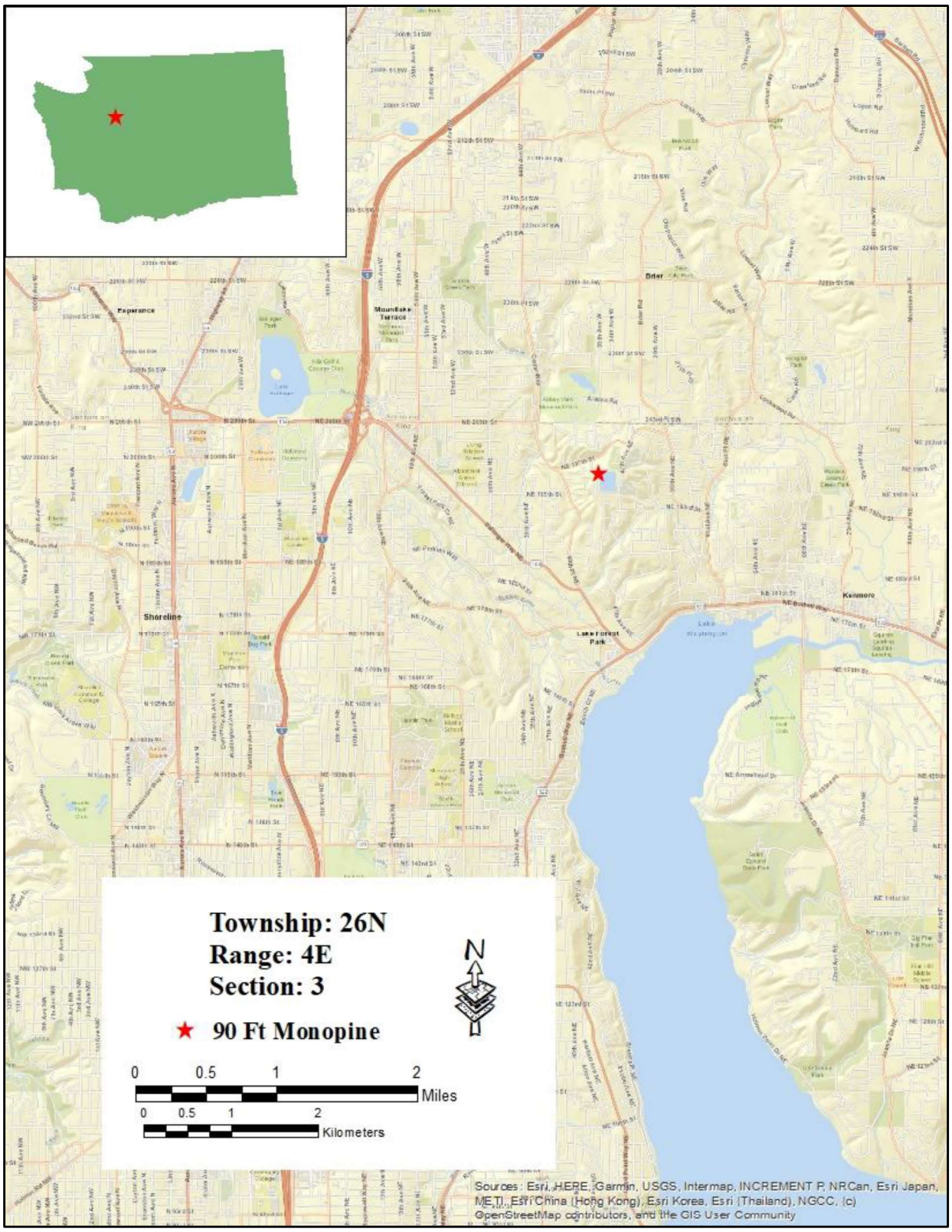


Figure 1: Project area vicinity depicted on an ESRI Streets map.

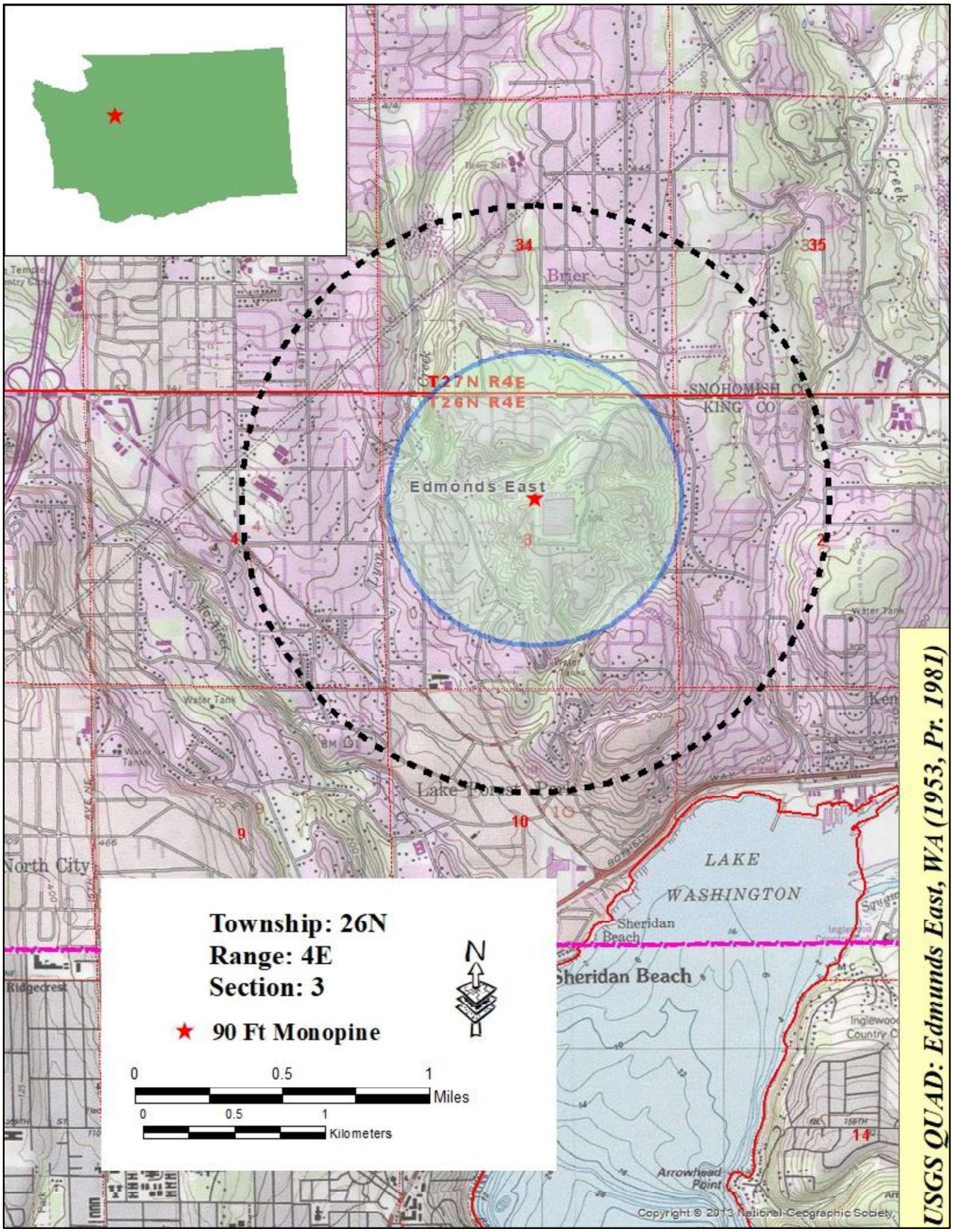


Figure 2: Project area vicinity depicted on a USGS topographic map.

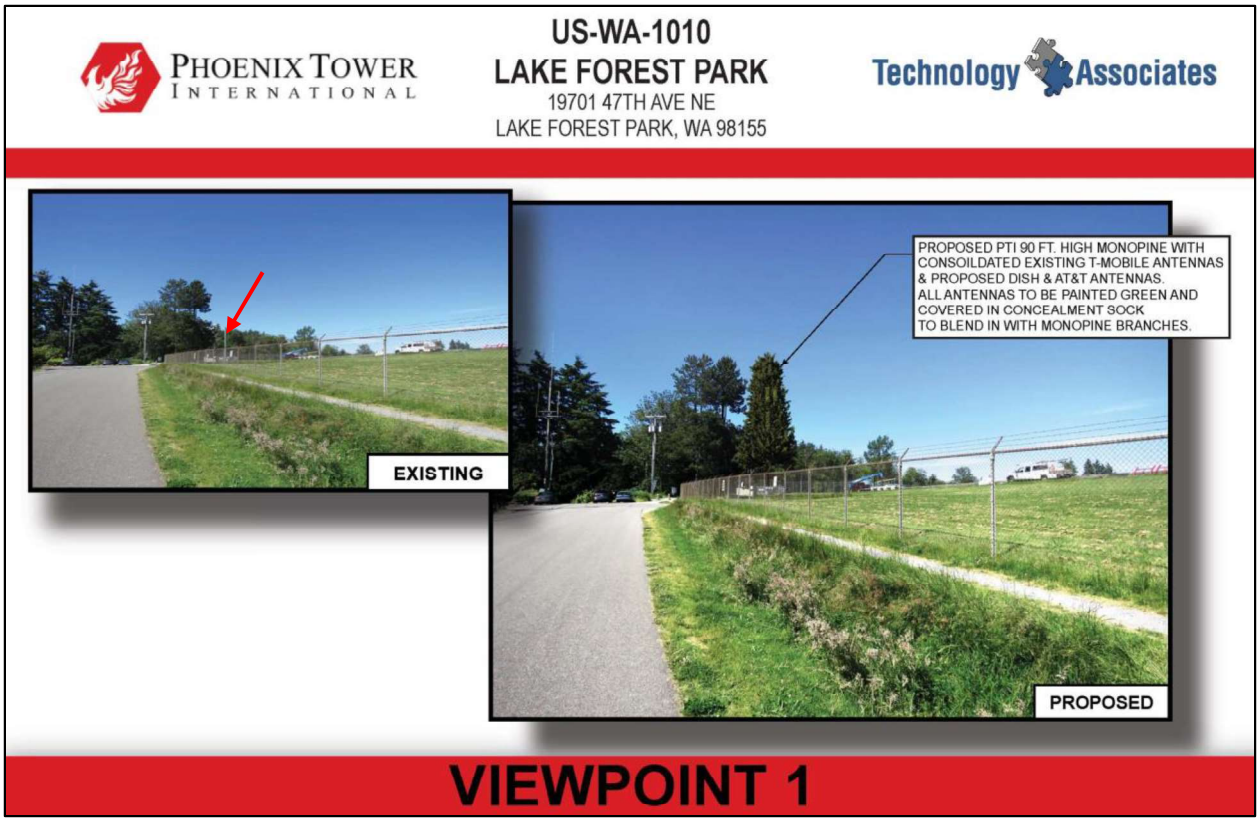


Figure 3: Existing (red arrow) and proposed monopine installation.

II. ENVIRONMENTAL CONTEXT

Survey Conditions

The project area lies along low mountain slopes in an existing water treatment facility compound. Soil integrity along the project area could not be confirmed from historic aerial photographs. Therefore, shovel testing was implemented to confirm soil profile and to ensure that no archaeological sites occur within or near the project area (Figures 4 and 5).

Figure 4: Photograph facing northwest toward proposed compound expansion and pole replacement.

Figure 5: Photograph of the proposed compound expansion and pole replacement from northeast of compound facing southwest.

Physiographic Province

The project area lies along the Puget Lowlands of Washington. The Puget Lowland region is a wide low-lying area between the Cascade Range to the east and the Olympic Mountains to the west. The region extends from the San Juan Islands in the north to past the southern end of the Puget Sound (Bailey 1995; Griffith et al. 2001). Geology in the area consists of unconsolidated deposits of Quaternary sediments, dominantly glacial drift, and alluvium. Lyon Creek is 684 m (2246 ft.) northwest of the project area.

Soils

According to the USDA Web Soil Survey (2022), Urban-land-Alderwood complex soils were formed along the project area in glacial drift and/or glacial outwash over dense glaciomarine deposits or cut and filled in by machinery. The upper horizons contain moderately well drained textures of gravelly sandy loam, with subsoil generally occurring at between 18 and 53 centimeters below the surface (cmbs). Typically, subsoil is yellowish brown very gravelly sandy loam (United States Department of Agriculture, Soil Conservation Service [USDA, SCS] 1973).

Flora

Native vegetation in the area consists of Pacific Lowland Mixed Forest, which includes western red cedar, western hemlock, Douglas-fir, big-leaf maple, Oregon ash, and black cottonwood.

Fauna

Fauna consists of mule deer, mountain lion, bobcat, western grey squirrel, bushytail woodrat, rabbit, and gray fox. Birds include the Ruffled grouse, Canada goose, band-tailed pigeons, and acorn woodpecker. The Pacific rattlesnake is the only poisonous reptile in the region.

III. METHODOLOGY

Records Review

Background research was conducted utilizing the DAHP WISAARD database to determine the presence of previously recorded archaeological sites are within 1 mi of the project area or if previously recorded above-ground eligible or listed architectural resources within .5 mi of the proposed project area. Soils were researched utilizing Web Soil Survey (2022) and the King County soil survey (USDA, SCS 1973).

Fieldwork

This Archaeological investigation was completed in compliance with Section 106 of the National Historic Preservation Act, as amended, and field methods generally followed the Washington DAHP guidelines. The Field investigations of low probability areas included 100% visual surface inspection of the entire project area. All surfaces, including animal burrows and fallen tree root clusters, within the survey area were inspected for the presence of rock shelters, caves, mines, quarries, chimney falls, historic wells, petroglyphs, or other standing structures. Where extensive disturbance was evident, no shovel tests were conducted. Shovel tests were placed at four corners of the proposed lease and at 15-m intervals along the access. Shovel tests were excavated to known subsoil and were 45 cm around. Soils were screened through 6mm (.25 in) hardware cloth, and soil profiles and depts were logged in a field notebook.

Laboratory

If artifacts are located during fieldwork, the cultural materials would then be prepared for permanent curation following the standards and guidelines set forth by the Washington DAHP.

Survey Expectations

According to WISAARD, the project area lies within a high probability area for archaeological resources. The USGS topographic map indicates the project area is heavily disturbed. Therefore, two shovel tests are sufficient for identifying potential buried cultural resources within the direct effects APE.

IV. RESULTS and ANALYSIS

Research

There are no previously recorded above-ground eligible or listed architectural resources previously within .5 mi of the proposed project area, and there are no archaeological sites within 1 mi.

Field

The project area was located in a heavily disturbed water treatment compound (see Figures 4-5). There was no soil surface visibility throughout the proposed lease expansion. However, the current pole and compound area (25-ft. by 22' 8" compound) (42-ft. pole) is heavily disturbed see Figures 4-5). STC consucted two shovel tests, one in each proposed expansion area to the northeast and southwest (Figures 6-7). Stratum I (0-25 cmbs) was black (2.5Y 2.5/1) silty loam, just below grass, followed by stratum II (25-35 cmbs), which was light gray (2.5& 7/2) parent material. There were no cultural materials (i.e., culturally modified artifacts, deposits, features, or human remains) identified within the direct effects APE.

Figure 6: Representative soil profile from within the direct APE.

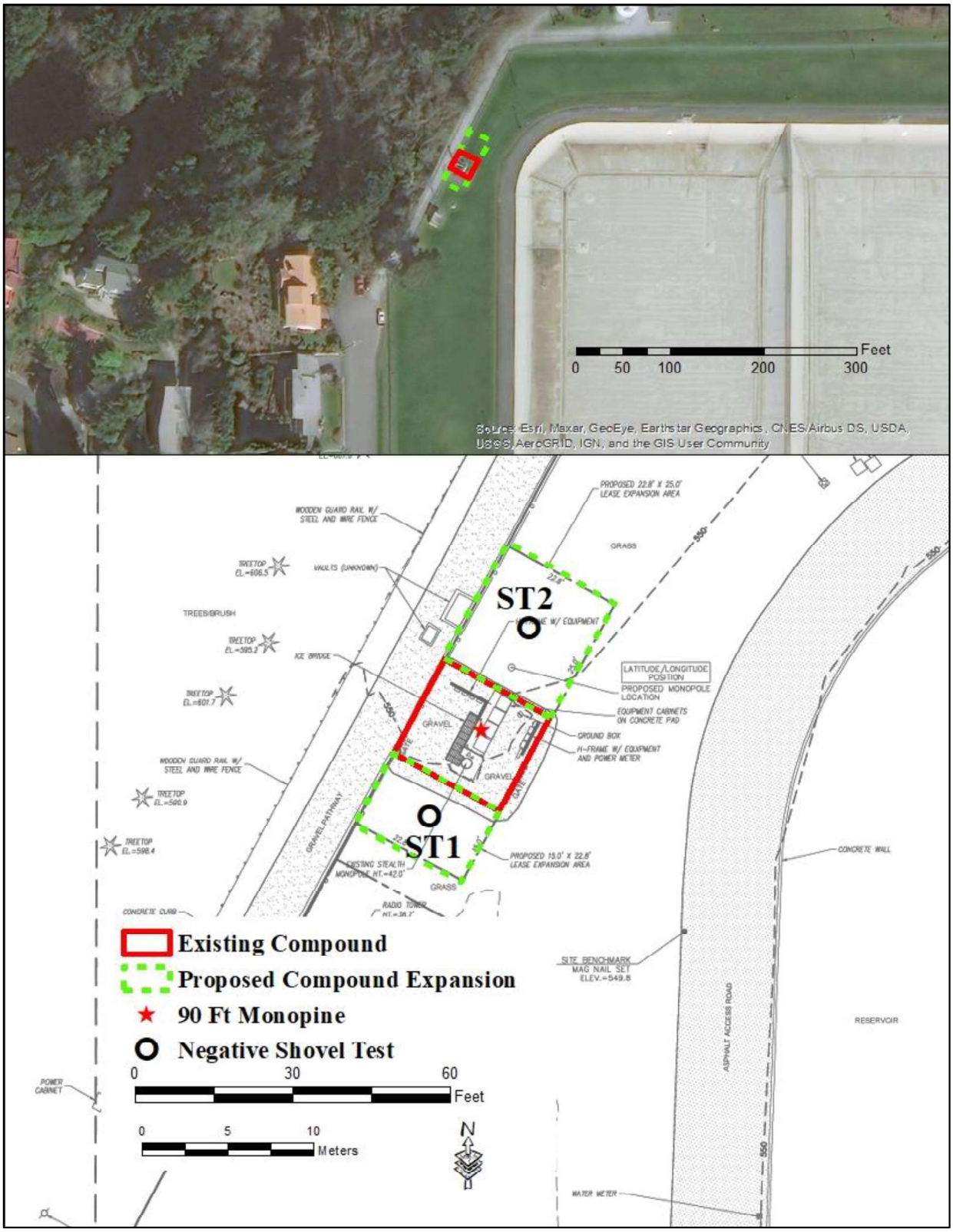


Figure 7: Project area APE and shovel testing strategy depicted on an ESRI aerial.

V. CONCLUSION

Because of the absence of cultural materials within the project area direct effects APE, no archaeological resources will be impacted. No previously recorded eligible or listed above-ground architectural resources were identified within .5 mile. Therefore, STC recommends a finding of **No Historic Properties** within the direct and indirect APEs. No further work is recommended.

Should buried artifacts, human remains, cultural sites or ground features be unexpectedly unearthed during ground disturbing activities, all construction should immediately cease and the resources be examined by a professional archaeologist. Additionally, all appropriate authorities-including all pertinent tribal entities and the state historic preservation office -should be notified.

REFERENCES CITED

Bailey, Robert G.
1995 *Description of the Ecoregions of the United States*. United States Department of Agriculture. Washington, DC.

Griffith, G.E., J.M. Omernik, J.A. Comstock, S. Lawrence, G. Martin, and A. Goddard
2001 Ecoregions of Washington. U.S. Environmental Protection Agency, Western Division.

United States Department of Agriculture
1973 Soil Survey of King County, Washington. Soil Conservation Service, Washington, DC.

2022 Web Soil Survey Electronic document, http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey, accessed November 2022.

APPENDIX A

Development Plans

PHOENIX TOWER INTERNATIONAL

ZONING JURISDICTION:

CITY OF LAKE FOREST PARK

SITE ID:

US-WA-1010

SITE NAME:

LAKE FOREST PARK

SITE LOCATION:

19701 47TH AVE NE
LAKE FOREST PARK, WA 98155

LEGAL DESCRIPTION:

LAKE FOREST PARK ESTATES ADD LOT A LAKE FOREST PARK SP# 2010-14002 REC #20110428900002 & AMENDED PER REC# 20111013900002 SD SP BEING LOTS 15 THRU 28 TGW POR LOTS 13-14 & 29 & 30 BLK 1 SD PLAT TGW POR VAC ST ADJ

UTILITY COMPANIES:

POWER:
COMPANY:
CONTACT:
PHONE:
EMAIL:

BACKHAUL/AAV:
COMPANY:
CONTACT:
PHONE:
EMAIL:

PROJECT CONTACT LIST:

APPLICANT:
PHOENIX TOWER INTERNATIONAL
999 YAMATO ROAD, SUITE 100
BOCA RATON, FL 33431
PHONE: (818) 486-8248

PROPERTY OWNER:
CITY OF SEATTLE PUBLIC UTILITIES
500 4TH AVE. SUITE ADM-AS-0708
SEATTLE, WA 98104
PHONE: (206) 296-7300

TOWER OWNER:
PHOENIX TOWER INTERNATIONAL
999 YAMATO ROAD, SUITE 100
BOCA RATON, FL 33431
PHONE: (818) 486-8248

PERMITTING:
COMPANY: TAEC
CONTACT: CHRIS DEVOIST
PHONE: (206) 949-3321
EMAIL: christopher.devoist@taec.net

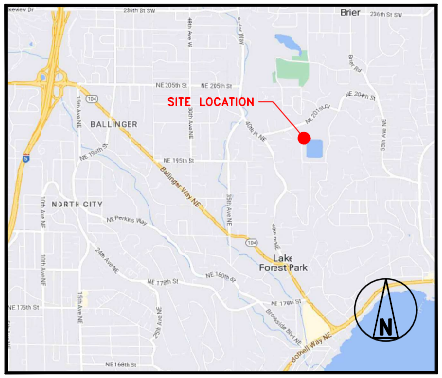
PROJECT A&E:
COMPANY: TAEC
CONTACT: JOEL HARTMAN, PE
PHONE: (801) 463-1020x2107
EMAIL: joel.hartman@taec.net

PROJECT MANAGER:
COMPANY: SECTOR SITE/PTI
CONTACT: MICHELLE CASAPULLA
PHONE: (908) 300-7772
EMAIL: mcasapulla@sectorsitellc.com

DRAWING INDEX:

SH #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	NOTES & LEGEND
SV1	EXISTING SITE SURVEY
SV2	EXISTING SITE SURVEY
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	EQUIPMENT COMPOUND PLANS
A-4	ELEVATION
A-5	ANTENNA DETAILS

VICINITY MAP



LOCATION MAP

DRIVING DIRECTIONS:

FROM SEATTLE-TACOMA INTERNAL AIRPORT (18801 INTERNATIONAL BLVD., SEATTLE, WA 98158)

1. HEAD NORTH ON AIRPORT EXPRESSWAY
2. KEEP RIGHT, FOLLOW SIGNS FOR AND MERGE ONTO WA-518 E
3. TAKE EXIT ON THE LEFT ONTO I-5 N TOWARD SEATTLE
4. TAKE EXIT 177 TO MERGE ONTO WA-104 E/ NE 205TH ST/ LAKE BALLIGER WAY
5. MERGE ONTO WA-104 E/ NE 205TH ST/ LAKE BALLIGER WAY
6. SLIGHT LEFT ONTO NE 195TH ST
7. TURN LEFT ONTO 35TH AVE NE
8. TURN RIGHT ONTO 40TH PL NE
9. SLIGHT LEFT ONTO NE 197TH ST
10. CONTINUE ONTO NE 201ST PL
11. TURN RIGHT ONTO 47TH AVE NE

DESTINATION WILL BE ON THE RIGHT

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

APPROVED BY:	DATE:	SIGNATURE:	APPROVED BY:	DATE:	SIGNATURE:
PROJECT MANAGER:			RF ENGINEER:		
SITE ACQUISITION:			OPERATIONS MANAGER:		
ZONING:			DEVELOPMENT MANAGER:		
CONSTRUCTION MANAGER:			REGULATORY:		
CONSTRUCTION MANAGER:					

811 Know what's **BELOW.** Call before you dig. www.call811.com

PROJECT INFORMATION:

CODE INFORMATION:

ZONING CLASSIFICATION:	RS-9,600
BUILDING CODE:	IBC 2018
CONSTRUCTION TYPE:	IIB
OCCUPANCY:	U,S-2
JURISDICTION:	CITY OF LAKE FOREST PARK
PROPOSED BUILDING USE:	UNMANNED TELECOM:

SITE LOCATION (NAD83):

LATITUDE:	47° 46' 19.46"N (47.772072°N)
LONGITUDE:	122° 16' 50.98"W (-122.280820°W)
TOP OF STRUCTURE:	640.00' AMSL 90.0' AGL
BASE OF STRUCTURE:	550.00' AMSL 0.0' AGL

PROJECT LEASE AREA:
±453

PARCEL NUMBER:
4027700066

NEW IMPERVIOUS AREA:
906 SF

AREA OF PARCEL:
3.79 ACRES

GENERAL INFORMATION:

PARKING REQUIREMENTS ARE UNCHANGED
TRAFFIC IS UNAFFECTED SIGNAGE IS PROPOSED

PROJECT DESCRIPTION:

PTI PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY BY CONSOLIDATING MULTIPLE CARRIER CO-LOCATIONS INTO A SINGLE REPLACEMENT STRUCTURE AS FOLLOWS:

THE REMOVAL OF:
- EXISTING 42 FT. HIGH MONOPOLE
- PORTION OF EXISTING CHAIN LINK FENCE
- EXISTING CONC. PARKING STOPS

THE ADDITION OF:
- EXPANSION OF FENCE EQUIPMENT COMPOUND (22'-8"x15') TO THE SOUTH, WITH CARRIER EQUIPMENT
- EXPANSION OF FENCE EQUIPMENT COMPOUND (22'-8"x25') TO THE NORTH, WITH CARRIER EQUIPMENT
- 90 FT. HIGH MONOPINE
- COMPOUND UTILITY H-FRAME
- CONSOLIDATE EXISTING T-MOBILE WIRELESS FACILITY INTO REPLACEMENT STRUCTURE AND ADD DISH, AT&T AND T-MOBILE ANTENNAS AND ANCILLARY EQUIPMENT.
- REPLACE T-MOBILE EQUIPMENT, AND ADD DISH & AT&T GROUND EQUIPMENT WITHIN EXPANDED LEASE AREA.

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

PLANS PREPARED FOR:
PHOENIX TOWER INTERNATIONAL
999 YAMATO ROAD, SUITE 100
BOCA RATON, FL 33431

PLANS PREPARED BY:
Technology Associates
SEATTLE MARKET OFFICE
9725 3RD AVENUE NE, STE. 410
SEATTLE, WA 98115

PLANS PREPARED BY:
SECTORSITE Communications Site Development

ENGINEERING SEAL:
NOT FOR CONSTRUCTION

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR 90% ZD REVIEW	06/13/2022	EL	A
ISSUED FOR 100% ZD REVIEW	06/30/2022	EL	0
ISSUED FOR 100% FZD	07/11/2022	EL	1
DISH ANTENNA REDESIGN	09/27/2022	EL	2

SITE NAME:
LAKE FOREST PARK

SITE NUMBER:
US-WA-1010

SITE ADDRESS:
19701 47TH AVE NE
LAKE FOREST PARK, WA 98155

SHEET DESCRIPTION:
TITLE SHEET

SHEET NUMBER:
T-1

LEGAL DESCRIPTION

NO TITLE RESEARCH PROVIDED AT THIS TIME

EASEMENTS

(#) CORRESPONDS WITH ITEM NUMBER IN "SCHEDULE B" OF TITLE REPORT.

THE FOLLOWING EASEMENTS FROM THE REFERENCED TITLE REPORT CONTAIN SUFFICIENT INFORMATION TO BE DEPICTED ON THE PLAN. OTHER EASEMENTS OR ENCUMBRANCES, IF ANY, MAY AFFECT THE PROPERTY, BUT LACK SUFFICIENT INFORMATION TO BE SHOWN.

(#) NO TITLE RESEARCH PROVIDED AT THIS TIME

LATITUDE/LONGITUDE POSITION

COORDINATE DATA AT CENTER OF PROPOSED MONOPOLE:
NAD 83
LAT – 47°46'19.46" N
LONG – 122°16'50.98" W

NAVD 88
ELEV.= 550.0 FEET

LAT – 47.772072° N
LONG – 122.280828° W

BENCHMARK IS BASED ON WSRN PUGET SOUND REFERENCE NETWORK.

ELEVATION DERIVED USING GPS. ACCURACY MEETS OR EXCEEDS 1A STANDARDS AS DEFINED ON THE FAA ASAC INFORMATION SHEET 91-003.

NOTES

1) NO TITLE RESEARCH PROVIDED AT THIS TIME. CALCULATED BOUNDARY MAY CHANGE UPON RECEIPT OF TITLE.
2) FIELD WORK CONDUCTED IN JANUARY, 2022.
3) BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE (NAD83).
4) UNDERGROUND UTILITIES SHOWN HEREON, IF ANY, WERE DELINEATED FROM SURFACE EVIDENCE AND/OR UTILITY COMPANY RECORDS. CRITICAL LOCATIONS SHOULD BE VERIFIED PRIOR TO DESIGN AND CONSTRUCTION.
5) FEMA DESIGNATION: ZONE "X" (AREA OF MINIMAL FLOOD HAZARD, FIRM MAP NUMBER 53033C0044G, EFFECTIVE DATE AUGUST 19, 2020.

LEGEND

- SUBJECT BOUNDARY LINE
- RIGHT-OF-WAY CENTERLINE
- RIGHT-OF-WAY LINE
- ADJACENT BOUNDARY LINE
- SECTIONAL BREAKDOWN LINE
- DP — OVERHEAD POWER LINE
- UP — BURIED POWER LINE
- G — BURIED GAS LINE
- OT — OVERHEAD TELEPHONE LINE
- UT — BURIED TELEPHONE LINE
- W — BURIED WATER LINE
- SS — BURIED SANITARY SEWER
- SD — BURIED STORM DRAIN
- DITCH LINE/FLOW LINE
- ROCK RETAINING WALL
- VEGETATION LINE
- CHAIN LINK FENCE
- WOOD FENCE
- BARBED WIRE/WIRE FENCE
- TRANSFORMER
- LIGHT STANDARD
- POWER VAULT
- UTILITY BOX
- UTILITY POLE
- GUY ANCHOR
- GAS VALVE
- GAS METER
- TELEPHONE VAULT
- TEL. MANHOLE
- TEL. PEDESTAL
- FIRE HYDRANT
- GATE VALVE
- WATER METER
- FIRE STAND PIPE
- IRRIGATION CONTROL
- CATCH BASIN, TYPE I
- CATCH BASIN, TYPE II
- SIGN
- BOLLARD
- MAIL BOX
- 234.21 — SPOT ELEVATION

NOTE:
1) ALL ELEVATIONS SHOWN ARE ABOVE MEAN SEA LEVEL (AMSL) AND ARE REFERENCED TO THE NAVD88 DATUM.
2) ALL TOWER, TREE AND APPURTENANCE HEIGHTS ARE ABOVE GROUND LEVEL (AGL) AND ARE ACCURATE TO ± 0.5 FEET OR ± 1% OF TOTAL HEIGHT, WHICHEVER IS GREATER.

TREE LEGEND

DECIDUOUS TREE
AL12 — TRUNK DIAMETER (IN)
TYPE

AL=ALDER
MP=MAPLE
DS=DECIDUOUS
MA=MADRONA
OK=OAK
CH=CHERRY

EVERGREEN TREE
DF18
195.2 — HEIGHT AGL IF MEASURED

ST=STUMP

CE=CEDAR
DF=DOUGLAS FIR
HE=HEMLOCK
PI=PINE
EVG=EVERGREEN

NOTE:
TREE DRIP LINES ARE NOT TO SCALE. TREE SYMBOLS REFERENCE TRUNK LOCATION ONLY. TRUNK DIAMETERS WERE APPROXIMATED AT 3.5' TO 4' ABOVE GROUND LEVEL. TREES SHOWN ARE FOR REFERENCE ONLY AND OTHER TREES AND VEGETATION MAY EXIST.

SITE INFORMATION

TAX LOT NUMBER	4027700066
SITE ADDRESS	19701 47TH AVE NE LAKE FOREST PARK, WA 98155
SITE CONTACT	-
PHONE NUMBER	-
ZONING	RS 9600 (CITY OF LAKE FOREST)
TOTAL LOT AREA	TO BE DETERMINED
PROJECT AREA	TO BE DETERMINED

SURVEY REFERENCE

SHORT PLAT NO. 2010-14002, PER A.F. NO. 201101139000002, RECORDS OF KING COUNTY.

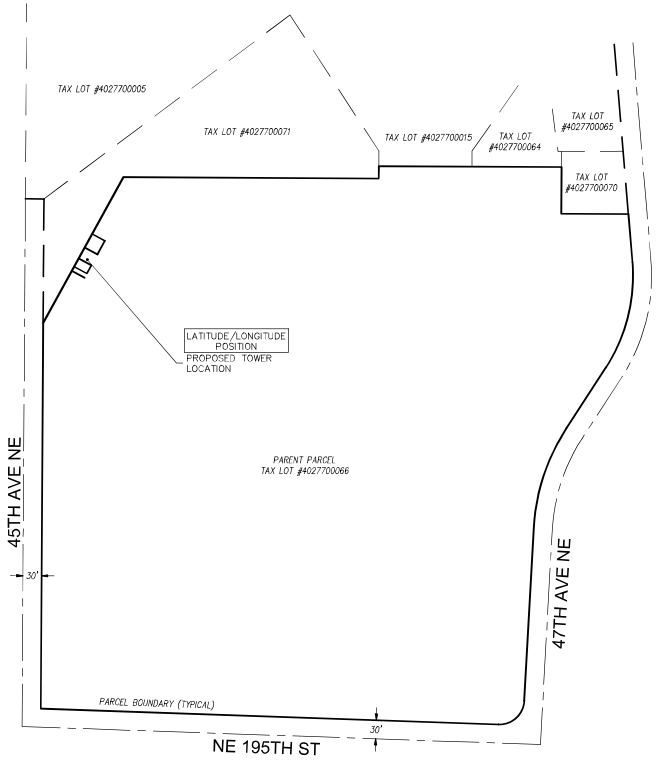
BOUNDARY DISCLAIMER

THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. SUBJECT AND ADJACENT PROPERTY LINES ARE DEPICTED USING FIELD-FOUND EVIDENCE AND RECORD INFORMATION.

CAUTION!

UNDERGROUND UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY BE INCOMPLETE. STATE LAW REQUIRES THAT CONTRACTOR CONTACT THE ONE-CALL UTILITY LOCATE SERVICE AT LEAST 48 HOURS BEFORE STARTING ANY CONSTRUCTION.

1-800-424-5555



SITE LOCATION
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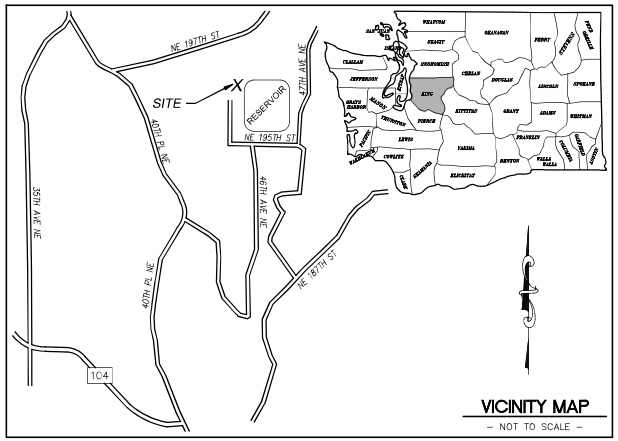


VICINITY MAP
– NOT TO SCALE –

PHOENIX TOWER INTERNATIONAL

SECTORSITE
Communications Site Development

DUNCANSON
Company, Inc.
145 SW 155th Street, Suite 102
Seattle, Washington 98166
Phone 206.244.4141
Fax 206.244.4455

SITE
US-WA-1010
LAKE FOREST PARK
19701 47TH AVE NE
LAKE FOREST PARK, WA 98155
KING COUNTY

FLD. CREW:	CR/AH
FLD. BOOK:	584/54
DRAWN BY:	LAC
JOB #:	01808.1824
DATE:	01/14/22

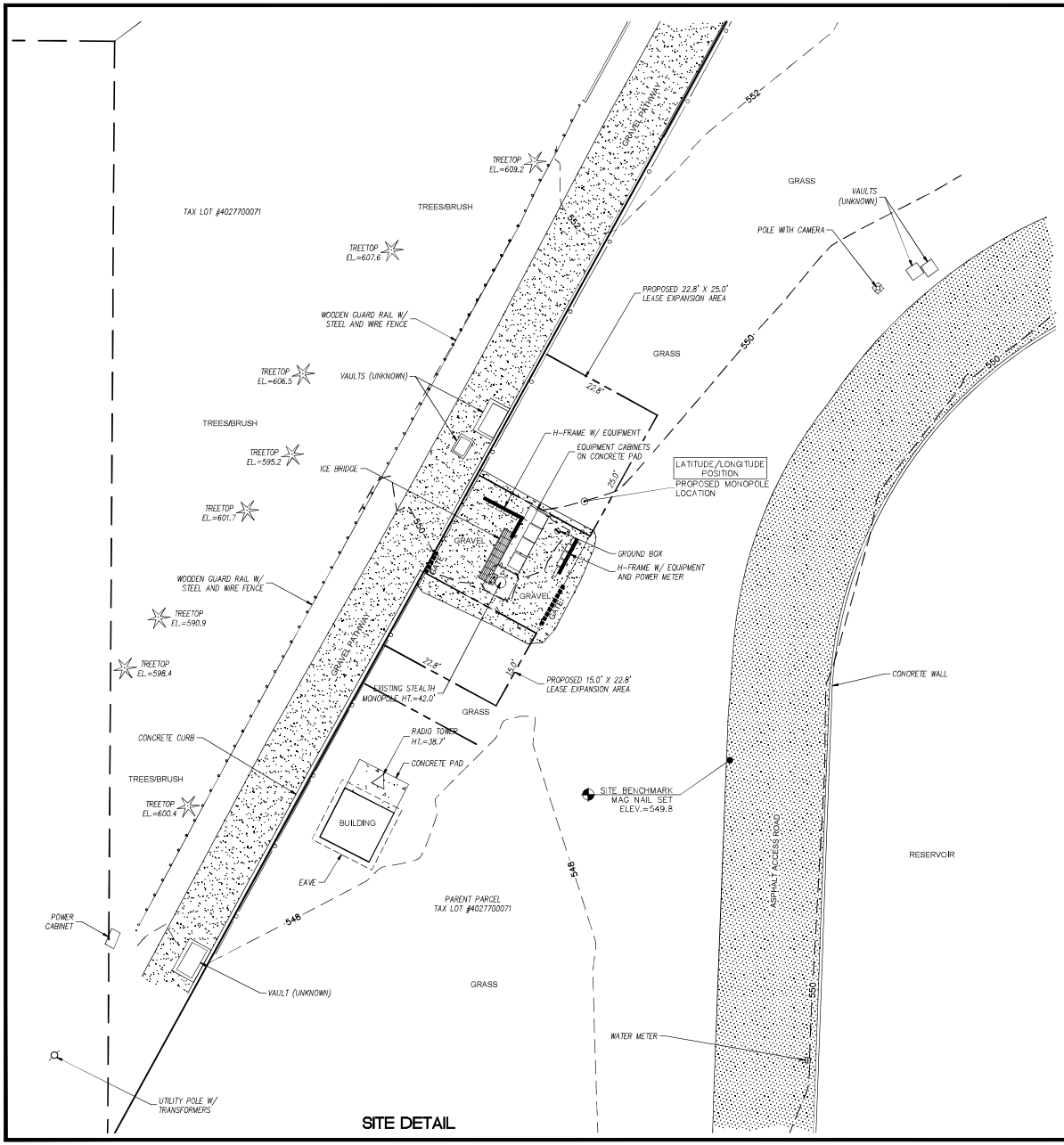
REVISIONS

DATE	DESCRIPTION	BY

STATE OF WASHINGTON
C. J. FELLER
41038
REGISTERED PROFESSIONAL LAND SURVEYOR
2/22/22

SHEET TITLE
EXISTING SITE SURVEY
SEC 03, TWP 26 N, RNG 4 E, WM

SHEET NUMBER
SV1



SITE DETAIL

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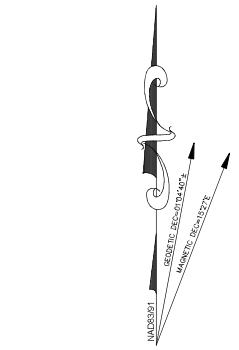
2) FIELD WORK CONDUCTED IN JANUARY, 2022.
3) BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE (NAD83).
4) UNDERGROUND UTILITIES SHOWN HEREON, IF ANY, WERE DELINEATED FROM SURFACE EVIDENCE AND/OR UTILITY COMPANY RECORDS. CRITICAL LOCATIONS SHOULD BE VERIFIED PRIOR TO DESIGN AND CONSTRUCTION.
5) FEMA DESIGNATION: ZONE "X" (AREA OF MINIMAL FLOOD HAZARD, FIRM MAP NUMBER 53033C0044G, EFFECTIVE DATE AUGUST 19, 2020.



GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.
1 inch = 20 ft. (11x17 SHEET)

LEGEND

- SUBJECT BOUNDARY LINE
- RIGHT-OF-WAY CENTERLINE
- RIGHT-OF-WAY LINE
- ADJACENT BOUNDARY LINE
- SECTIONAL BREAKDOWN LINE
- DP — OVERHEAD POWER LINE
- UP — BURIED POWER LINE
- G — BURIED GAS LINE
- OT — OVERHEAD TELEPHONE LINE
- UT — BURIED TELEPHONE LINE
- W — BURIED WATER LINE
- SS — BURIED SANITARY SEWER
- SD — BURIED STORM DRAIN
- DITCH LINE/FLOW LINE
- ROCK RETAINING WALL
- VEGETATION LINE
- CHAIN LINK FENCE
- WOOD FENCE
- BARBED WIRE/WIRE FENCE

TRANSFORMER	FIRE HYDRANT
LIGHT STANDARD	GATE VALVE
POWER VAULT	WATER METER
UTILITY BOX	FIRE STAND PIPE
UTILITY POLE	IRRIGATION CONTROL
GUY ANCHOR	CATCH BASIN, TYPE I
GAS VALVE	CATCH BASIN, TYPE II
GAS METER	SIGN
TELEPHONE VAULT	BOLLARD
TEL. MANHOLE	MAIL BOX
TEL. PEDESTAL	234.21 SPOT ELEVATION

NOTE:
1) ALL ELEVATIONS SHOWN ARE ABOVE MEAN SEA LEVEL (AMSL) AND ARE REFERENCED TO THE NAVD88 DATUM.
2) ALL TOWER, TREE AND APPURTENANCE HEIGHTS ARE ABOVE GROUND LEVEL (AGL) AND ARE ACCURATE TO ± 0.5 FEET OR ± 1% OF TOTAL HEIGHT, WHICHEVER IS GREATER.

TREE LEGEND

DECIDUOUS TREE
AL12 ← TRUNK DIAMETER (IN)
TYPE

AL=ALDER
MP=MAPLE
DS=DECIDUOUS
MA=MADRONA
OK=OAK
CH=CHERRY

EVERGREEN TREE
DF18 / 195.2 ← HEIGHT AGL IF MEASURED
ST=STUMP

CE=CEDAR
DF=DOUGLAS FIR
HE=HEMLOCK
PI=PINE
EVG=EVERGREEN

NOTE:
TREE DRIP LINES ARE NOT TO SCALE. TREE SYMBOLS REFERENCE TRUNK LOCATION ONLY. TRUNK DIAMETERS WERE APPROXIMATED AT 3.5' TO 4' ABOVE GROUND LEVEL. TREES SHOWN ARE FOR REFERENCE ONLY AND OTHER TREES AND VEGETATION MAY EXIST.

SITE INFORMATION

TAX LOT NUMBER	4027700066
SITE ADDRESS	19701 47TH AVE NE LAKE FOREST PARK, WA 98155
SITE CONTACT	-
PHONE NUMBER	-
ZONING	RS 9600 (CITY OF LAKE FOREST)
TOTAL LOT AREA	TO BE DETERMINED
PROJECT AREA	TO BE DETERMINED

SURVEY REFERENCE

SHORT PLAT NO. 2010-14002, PER A.F. NO. 201101139000002, RECORDS OF KING COUNTY.

BOUNDARY DISCLAIMER

THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. SUBJECT AND ADJACENT PROPERTY LINES ARE DEPICTED USING FIELD-FOUND EVIDENCE AND RECORD INFORMATION.

CAUTION!

UNDERGROUND UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY BE INCOMPLETE. STATE LAW REQUIRES THAT CONTRACTOR CONTACT THE ONE-CALL UTILITY LOCATE SERVICE AT LEAST 48 HOURS BEFORE STARTING ANY CONSTRUCTION.

1-800-424-5555

PHOENIX TOWER INTERNATIONAL

SECTORSITE Communications Site Development

DUNCANSON
Company, Inc.
145 SW 155th Street, Suite 102
Seattle, Washington 98166
Phone 206.244.4141
Fax 206.244.4455

SITE
US-WA-1010
LAKE FOREST PARK
19701 47TH AVE NE
LAKE FOREST PARK, WA 98155
KING COUNTY

FLD. CREW:	CR/AH
FLD. BOOK:	584/54
DRAWN BY:	LAC
JOB #:	01808.1824
DATE:	01/14/22

REVISIONS

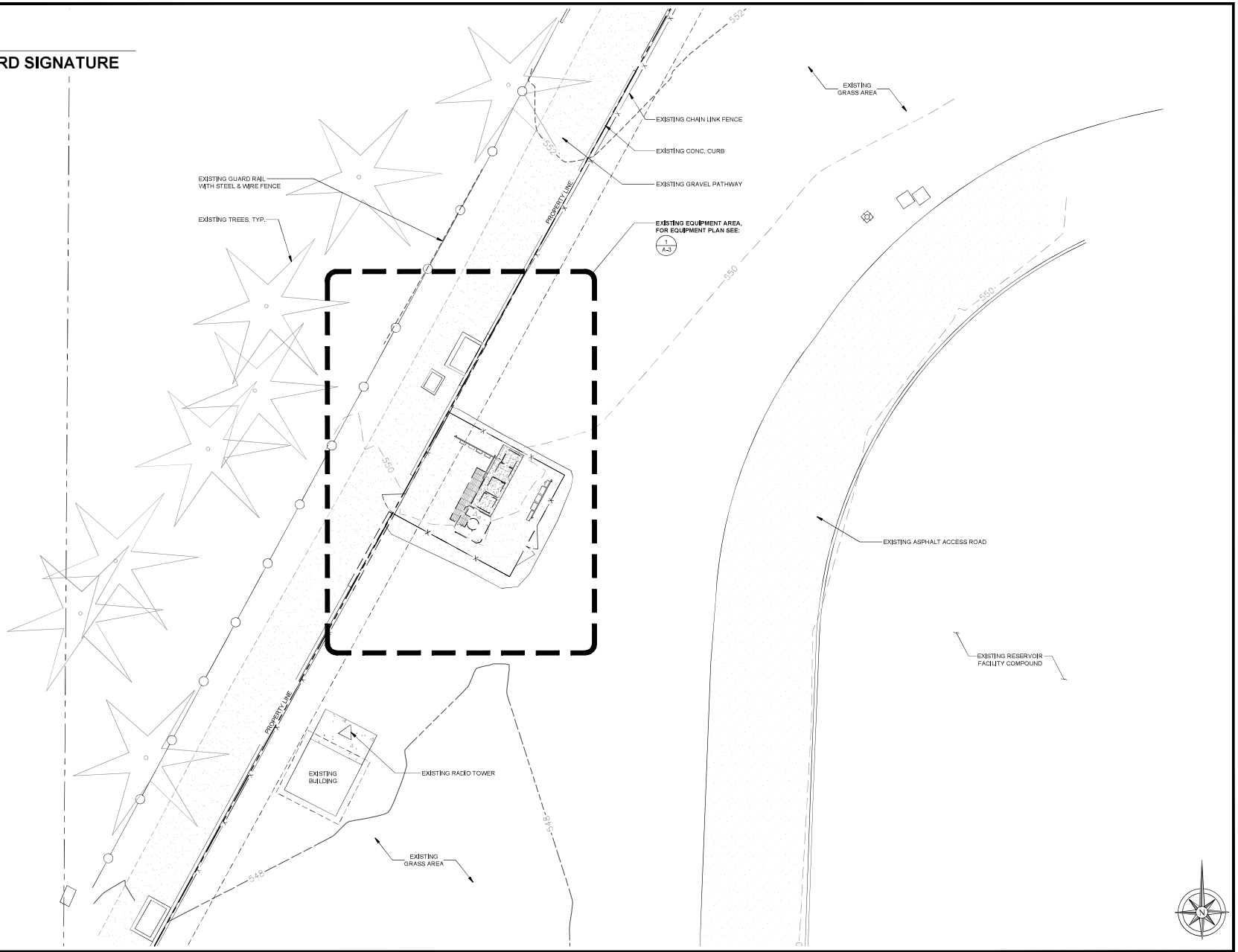
DATE	DESCRIPTION	BY

STATE OF WASHINGTON — 41038 — REGISTERED PROFESSIONAL LAND SURVEYOR — 2/22/22

SHEET TITLE
EXISTING SITE SURVEY
SEC 03, TWP 26 N, RNG 4 E, WM

SHEET NUMBER
SV2

LANDLORD SIGNATURE



ENLARGED SITE PLAN (EXISTING)

0 2' 4' 8'

SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/16" = 1'-0" (11x17)

1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36", SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

PLANS PREPARED FOR:

PHOENIX TOWER INTERNATIONAL
999 YAMATO ROAD, SUITE 100
BOCA RATON, FL 33431

PLANS PREPARED BY:

Technology Associates
SEATTLE MARKET OFFICE
9725 3RD AVENUE NE, STE. 410
SEATTLE, WA 98115

PLANS PREPARED BY:

SECTORSITE
Communications Site Development

ENGINEERING SEAL:

NOT FOR CONSTRUCTION

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR 90% ZD REVIEW	06/13/2022	EL	A
ISSUED FOR 100% ZD REVIEW	06/30/2022	EL	0
ISSUED FOR 100% FZD	07/11/2022	EL	1
DISH ANTENNA REDESIGN	09/27/2022	EL	2

SITE NAME:

LAKE FOREST PARK

SITE NUMBER:

US-WA-1010

SITE ADDRESS:

19701 47TH AVE NE
LAKE FOREST PARK, WA 98155

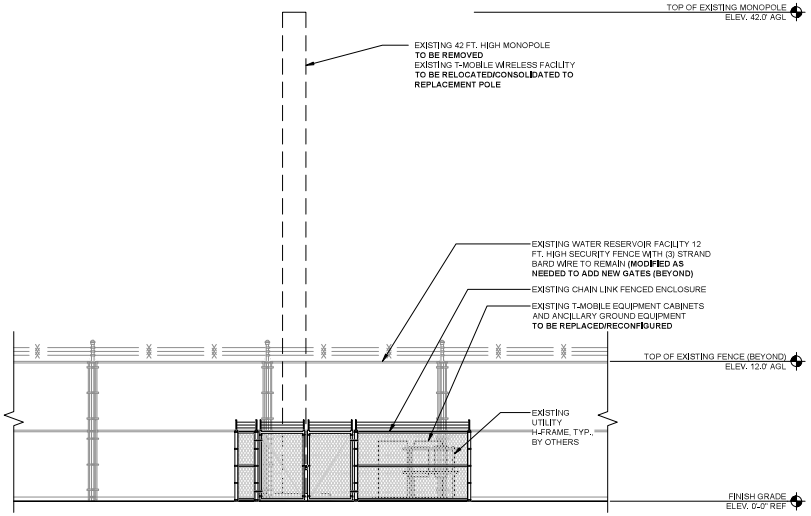
SHEET DESCRIPTION:

ENLARGED SITE PLAN

SHEET NUMBER:

A-2

LANDLORD SIGNATURE

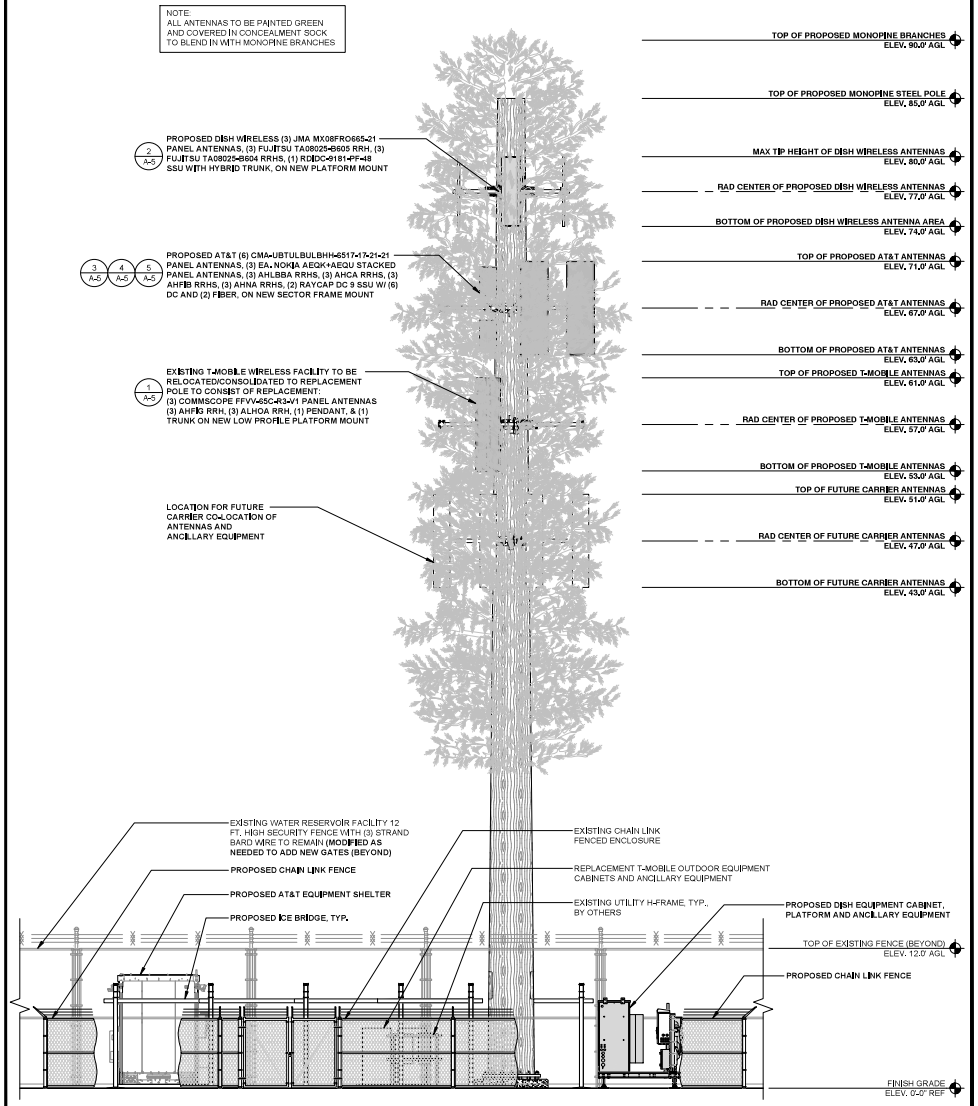


SOUTHEAST ELEVATION (EXISTING)

0 1.5' 3' 5'

SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

1



SOUTHEAST ELEVATION (FINAL)

0 1.5' 3' 5'

SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

2

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

PLANS PREPARED FOR:

PHOENIX TOWER INTERNATIONAL
999 YAMATO ROAD, SUITE 100
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NOT FOR CONSTRUCTION

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR 90% ZD REVIEW	06/13/2022	EL	A
ISSUED FOR 100% ZD REVIEW	06/30/2022	EL	0
ISSUED FOR 100% FZD	07/11/2022	EL	1
DISH ANTENNA REDESIGN	09/27/2022	EL	2

SITE NAME:

LAKE FOREST PARK

SITE NUMBER:

US-WA-1010

SITE ADDRESS:

19701 47TH AVE NE
LAKE FOREST PARK, WA 98155

SHEET DESCRIPTION:

ELEVATIONS

SHEET NUMBER:

A-4

APPENDIX B

Principal Investigator CV

BILLY J. **MCCARLEY**

Anthropologist

Address Colorado Springs, CO, 80919

Phone 720-708-9872

E-mail bmccarley@subterraneanco.com

Director of cultural resources at Subterranean Consultants, with over nine years of experience implementing project and business development. Lead communicator and organizer of project planning and research design, both utilized to chart and analyze project scoping and budgeting. Principal Investigator and director of archaeology and history consultations and Section 106.

Skills

- Project Management
- MS Office
- Computer proficiency
- Public speaking skills
- Research and development
- ESRI Mapping
- Innovative project design and development

Work History

2012-09 - Current

Principal Investigator/Chief Archaeologist

Subterranean Consultants, Atlanta, Georgia

- Conducts phase I archaeological assessments, phase II evaluations, and phase III mitigation of NEPA projects (Section 106) and private development.
- Conducts Section 106 projects include United States Army Corps of Engineers (USACE) Section 404 permitting, Federal Energy Commission, United States Department of Housing and Urban Development (HUD) construction, Federal Highway Administration (FHWA) construction, and FCC telecommunications projects.
- Consults with over 40 State Historic Preservation Offices (SHPO) and Tribal Historic Preservation Offices.
- Conducts tribal-requested construction of over 23 telecommunications towers.
- Serves as principal investigator on Phase I, Phase II, and Phase III archaeology and history projects, including nineteenth century rice plantation, Fernbank

Museum-sponsored Hernando de Soto route expedition, and American Indian Lamar settlements along Georgia coast.

- Conducts private due diligence surveys, including Georgia Municipal cemetery delineation and ancestral research, North Carolina cemetery survey and Phase II evaluations, large-scale solar developments in West Virginia, Indiana, Illinois, and Georgia, and residential and commercial developments throughout Georgia and Alabama.
- Completes desktop assessments of fiber optics installation and impacts on NRHP-listed or NRHP-eligible archaeological sites.
- Conducts fieldwork on all projects, including pre-visit research design development, background research, topographical map overlays, shovel testing, unit excavation, recordation, photographing, and report writing.
- Makes recommendations on future site work and NRHP eligibility.
- Records archaeological sites with state site files.
- Conducts project scoping, proposals, grant writing, and NRHP nominations.
- Prepares projects for curation according to agency curation standards.
- Notable projects as principal investigator and field director include expansion and development cultural resource assessment of Habersham County Airport industrial complex, Section 404 USACE wetland permit cultural resource assessment in Sycamore, Georgia, Eagle-Net terrestrial fiber optics cultural resource assessment, ballpark expansion in Fairburn, Georgia, Osage Nation cultural resource assessment of county road construction, and prehistoric prayer rings in Death Valley National Park, Phase I Survey and Phase II Archaeological Survey and Evaluation of Effingham Parkway, Phase I survey of nineteenth century burials in Jackson, Gwinnett, and Effingham counties, archaeological survey of 174 road-side utility poles in Iowa and Nebraska, cultural resources assessment of 500-acre solar developments in West Virginia, Indiana, and Illinois, Phase II evaluation of African American burials in North Carolina, 32 node poles in New Orleans, and metal detecting of 42 acre portion of Civil War battlefield in Mechanicstown, WV. Class III Assessment of the City of Deadwood, SD. Class III investigation of 500-acre windfarm in southwest North Dakota. Class III inventory of the Pine Ridge Reservation in South Dakota. Twenty-five miles of historic railroad in Grand Junction, CO.

2014-06 - 2016-06

Principal Archaeologist/Senior Archaeologist

Moreland Altobelli Associates, Inc, Norcross, Georgia

- Conducted phase I and II archaeological assessments and evaluations of NEPA projects-United States Army Corp of Engineers (USACE) Section 404 permitting (cultural resource assessments) and Georgia Department of Transportation projects.

- Completed Section 106 reports and reviews, consulted with Georgia SHPO, and reviewed and sign reports written by staff archaeologists.
- Conducted research design development, background research, topographical map overlays, shovel testing, unit excavation, recordation, photographing, report writing, and recommendations on future site work and NRHP eligibility.
- Recorded archaeological sites with Georgia Archaeological Site File (GASF).
- Conducted project scoping and proposals.
- Prepared projects for curation following Antonio J.Waring Archaeological Laboratory or Erskine Ramsey Curation Facility, University of Alabama Museum curation standards.

2014-02 - 2014-04

Field Director

Algonquin Consultants, Miami, Oklahoma

- Served as field director on phase II evaluation of FCC permitting project in Jefferson City, Missouri.
- Prepared research design for evaluation of cultural deposits at prehistoric lithic production site.
- Supervised four employees in placement of four 1-by-1 test units.
- Supervised data collection, site recordation, and reporting, including all GIS map production, post field- work.

2013-06 - 2013-08

Crew Chief

Tetra Tech, Oklahoma City, OK

- Served as crew chief on 85-mi pipeline cultural resource assessment spanning from Oklahoma to Texas.
- Preplanned for daily field work, supervised crew of two field technicians in implementation of phase I shovel testing for Army Corps of Engineers (ACOE)
- Conducted transect layouts using Geoexplorer GPS unit.
- Completed daily progress reports for submission to project field director.

2012-06 - 2013-02

Co-Principal Investigator/Field Director

Georgia State University, Richmond Hill, Georgia

- Investigated and excavated Middle Mississippian burial mound site along Ogeechee River in Richmond Hill, Georgia.
- Prepared research design, gridded site using total station, implement NOAA provided LIDAR for regional comparative study of Middle Mississippian mound sites along Georgia coast.
- Performed shovel testing on 5-acre mound site.
- Analyze and curate artifacts post fieldwork and produce management summary and archaeological assessment report.

2008-06 - 2012-06

Field Archaeologist

Jacksonville State University Archaeological Laboratory, Jacksonville, Alabama

- Investigated and excavated late Woodland to early Mississippian village along Choccolocco Creek in Calhoun County, Alabama.
- Conducted unit layout and documentation; Excavated 2-by-2 units; Screened matrix; identified artifacts; and produced management summary of project progress.

Education

2010-01 - 2012-05

Master of Arts: Anthropology

Georgia State University - Atlanta

Investigating Settlement Patterns and Intrasite Use, the Middle Mississippian Period, A.D. 1100

2004-01 - 2008-01

Bachelor of Arts: Sociology

The University of Alabama - Tuscaloosa, Alabama

Affiliations/Permits

- Register of Professional Archaeologist (RPA) 2013
- Society for American Archaeology (SAA) 2013

Additional Information

- AWARDS , Sigma Alpha Lambda, Leadership and Honors June 2008

Software

ESRI, SPSS, Word, Excell

Excellent

Certifications

Register of Professional Archaeologist

RPA Metal Detecting

National Parks Survey Methods

Representative Publications/Reports

2013 *Phase I Archaeological Survey of the Proposed 80-Mile Pipeline, Wichita County, Texas*
2013 *An Archaeological Survey at Oak Level Mound: Investigating Settlement Patterns and Intrasite Use During the Middle Mississippian Period (A.D. 1150-1350)*
2014 *Phase I Archaeological Survey of the Proposed Harmony Senior Living Community, Spalding County, Georgia*
2014 *Phase I Archaeological Assessment of the Five Forks Trickum Road Widening, Gwinnett County, Georgia*
2014 *Addendum Phase I Archaeological Survey of 1-16 at Old River Road, Effingham County, Georgia*
2014 *Phase I Archaeological Survey for the Proposed 7th Street and Broad Street Bridge Replacements in Augusta, Richmond County, Georgia*
2014 *Phase I Archaeological Assessment of Habersham County Industrial Park, Habersham County, Georgia*
2014 *Phase I Archaeological Assessment of Dollar General Wetland Mitigation, Sycamore, Georgia*
2014 *Phase I Archaeological Assessment of Spence Ball Park Development, Fairburn, Georgia*
2015 *Phase I Archaeological Survey of Sigman Road Widening, Rockdale County, Georgia*
2015 *Phase I Archaeological Survey of the Proposed State Route (SR) 400 at McGinnis Ferry Road Interchange, Fulton and Forsyth Counties, Georgia*
2015 *Second Addendum Phase I Archaeological Survey of the Proposed East Kingsland Bypass, Camden County, Georgia*
2016 *Second Addendum Phase I Archaeological Survey of the Proposed Two Interchanges on Interstate 75, SR 7 and SR 122, Lowndes County, Georgia*
2017 *Phase I Archaeological Survey for the Proposed O'Reilly Auto Parts in Pigeon Forge, Tennessee*
2017 *Phase I Archaeological Survey for the City of Tuscumbia's Historic Rail Yard, Tuscumbia, Alabama*
2017 *Phase I Archaeological Survey of the Proposed Effingham Bypass, Effingham and Chatham Counties, Georgia*
2017 *Phase I Archaeological Survey of the Proposed El Dorado Boulevard, Harris County, Texas*
2018 *Phase II Archaeological Evaluation of the Rice Fields and Colebrook Plantation Cemetery along Effingham Bypass, Effingham and Chatham Counties, Georgia*
2018 *Phase I Archaeological Survey of the Proposed Harper Street Crossing, Fulton County, Georgia*
2018 *Phase I Archaeological Survey of the Proposed US 84 Connector, Liberty County, Georgia*
2018 *Phase I Archaeological Survey of the Proposed Gant Road Solar Development, Upper Marlboro County, Maryland*
2018 *Phase I Archaeological Survey of the Proposed Brown Bridge at Yellow River Replacement, Newton County, Georgia*
2019 *Phase I Archaeological Survey of the Proposed Zion Manor Senior Apartments II in Louisville Jefferson County, Kentucky*
2019 *Phase Ia Reconnaissance of the Hemmer Solar and Substation in Somerville, Indiana Gibson County*
2019 *Phase I Archaeological Survey of Wetland Delineation at Bonnaroo in Manchester, TN*
2019 Anthropological *Reconnaissance of Letohatchee Solar Development in Selma Alabama*
2019 *Phase I Archaeological Survey for Owl Creek Section 404 Permit in Towns County, GA*
2019 *Phase I Archaeological Survey of the Proposed Pineview Cemetery Telecommunications Facility in Mt. Olive, NC*

2019 *Anthropology and Construction Monitoring of the Bogota Telecommunications Facility in Bogota, TN*
2020 *Archaeological Assessment and Phase II Evaluation of the High Horizons, Peel, and Thorn Parcels in Mechanicstown, Jefferson County, West Virginia*
2020 *Anthropology and Construction Monitoring for the Arkansas River Trail Telecommunications Facility in Conway, AR*
2020 *Phase I Archaeological Survey for the Section 404 Permit for Thornton Conveniences Store in Coopertown, Tennessee*
2020 *Archaeological Monitoring of Ground Disturbance at the Proposed E 862 Road Telecommunications Facility in Tenkiller, Cherokee County, Oklahoma*
2020 *Archaeological Monitoring of Ground Disturbance at the Proposed Alma Telecommunications Facility in Alma, Crawford County, Arkansas*
2020 *Archaeological Assessment of the Proposed McClellan Peak Tower Compound Expansion in Carson City, Washoe County, Nevada*
2021 *Class III Inventory of Cadle Property in Deadwood, Lawrence, SD*
2021 *Class III Inventory of Oglala Ten House Development at Pine Ridge, SD*
2021 Archaeological Evaluation of seven sites and Class III Inventory in Bowman, ND