

# SNOPUD NORTH COUNTY ENERGY STORAGE

17601 59TH AVE NE  
ARLINGTON, WA 98223

NW 1/4, SE 1/4 AND NE 1/4, SE 1/4 SECTION 22, TOWNSHIP 31 NORTH, RANGE 5 EAST, W.M.

**OWNER**  
SNOHOMISH COUNTY PUD  
2320 CALIFORNIA ST  
EVERETT, WA 98201  
425.783.8465  
CONTACT: JEROME DRESCHER

**CONSULTANTS**

**ARCHITECT**  
SNOHOMISH COUNTY PUD  
2320 CALIFORNIA ST  
EVERETT, WA 98201  
425.783.8465  
CONTACT: MARK CURFMAN

**CIVIL ENGINEER**  
CG ENGINEERING  
250 4TH AVE S, SUITE 200  
EDMONDS, WA 98020  
425.778.8500 FAX 778.5536  
CONTACT: JARED UNDERBRINK, PE

**SOIL/GEOTECH ENGINEER**  
ZIPPER GEO ASSOCIATES, LLC  
19019 36TH AVE W, SUITE E  
LYNNWOOD, WA 98036  
425.582.9928  
CONTACT: JUSTIN BROOKS

**SURVEYOR**  
DAVID EVANS AND ASSOCIATES, INC  
1620 W MARINE VIEW DR, SUITE 200  
EVERETT, WA 98201  
425.259.4099

**UTILITIES**

**WATER/SEWER/STORM**  
CITY OF ARLINGTON  
238 N OLYMPIC AVE  
ARLINGTON, WA 98223

**NATURAL GAS**  
CASCADA NATURAL GAS

**POWER**  
SNOHOMISH PUD  
210 E DIVISION ST  
ARLINGTON, WA 98223

**TELEPHONE**  
COMCAST

**BASIS OF BEARING**

BEARINGS SHOWN HEREON ARE WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, MAD83(2011)[2010.00], VIA GNSS OBSERVATIONS CORRECTED BY THE WASHINGTON STATE REFERENCE NETWORK (WSRN) UTILIZING A MULTI-STATION SOLUTION. THE OBSERVED BEARING OF N00°13'59"W BETWEEN THE NORTH QUARTER CORNER AND SOUTH QUARTER CORNER OF SECTION 22 WAS HELD. DISTANCES SHOWN HEREON ARE GROUND DISTANCES, OBTAINED BY SCALING OBSERVED GRID DISTANCES BY A COMBINED SCALE FACTOR (CSF) OF 1.000057484.

**LEGAL DESCRIPTION**  
ALL OF LOTS 1 AND 2 OF PUBLIC UTILITY DISTRICT NO. 1 OF SNOHOMISH COUNTY ARLINGTON BINDING SITE PLAN, RECORDED IN AUDITOR'S FILE NUMBER 202105145008.

SITUATED IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

**USE CLASSIFICATION**  
ZC = ZONING OR CONDITIONAL USE PERMIT

**DATUM**  
NAVD 88

**ZONING**  
GENERAL INDUSTRIAL

**FEMA FLOOD ZONE DESIGNATION**  
X = AREA OF MINIMAL FLOOD HAZARD

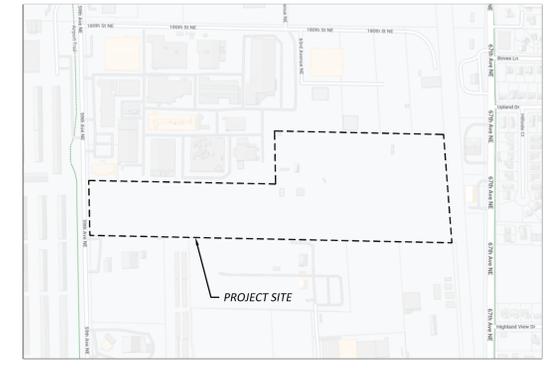
SHEET INDEX	
C1.1	COVER SHEET & OVERALL SITE PLAN
C1.2	PARTIAL SITE PLAN
C1.3	PARTIAL SITE PLAN

**CITY OF ARLINGTON**  
**CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT**

THIS PLAN HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE CITY OF ARLINGTON CODES AND ORDINANCES. CONFORMANCE OF THE DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS AND/OR AUTHORIZATION WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSPFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ARMY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE (NOI), ENDANGERED SPECIES ACT.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Development Services Manager

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAN RO SITE PLAN APPROVAL.

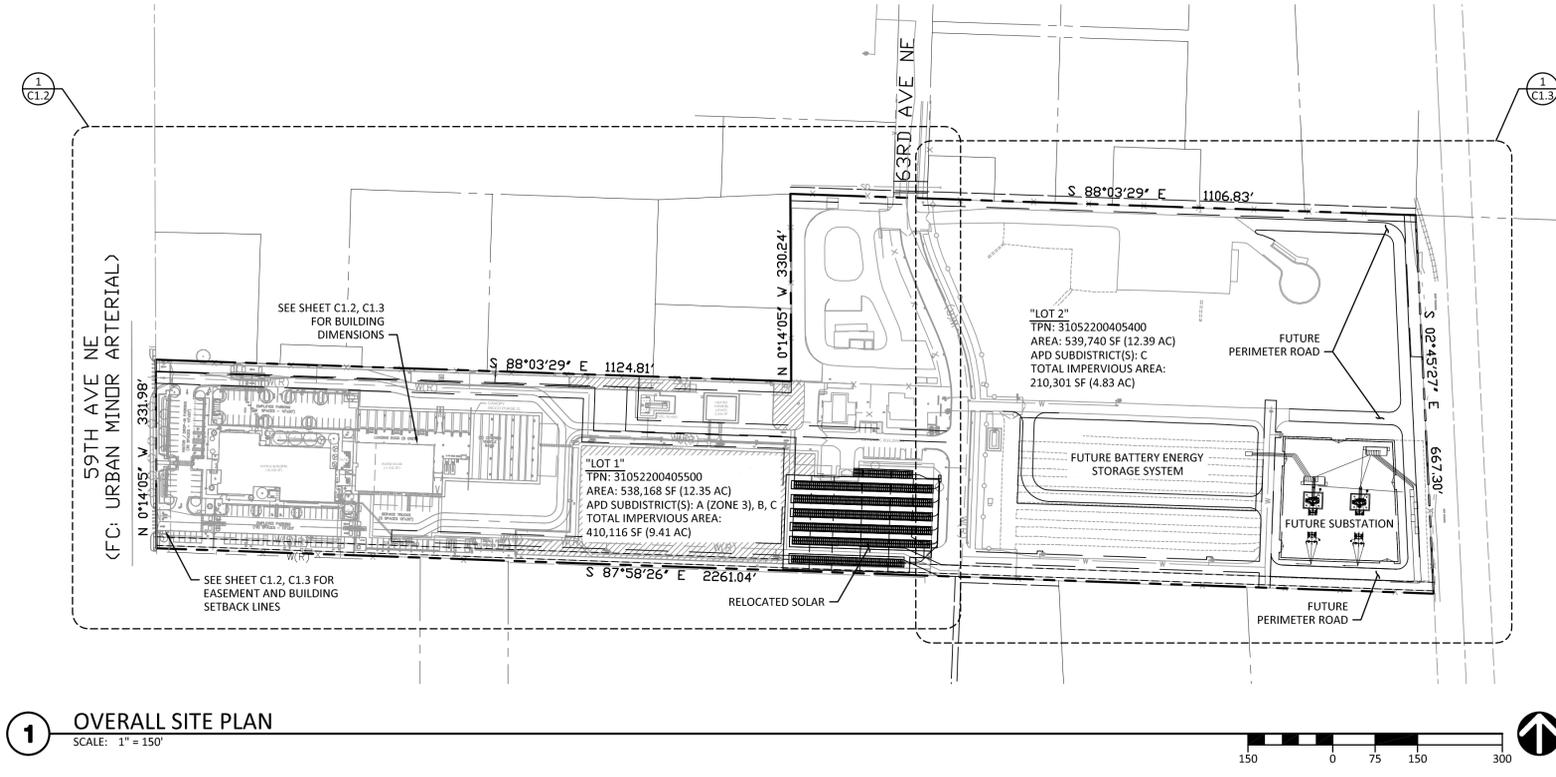


**CAUTION!**  
**CALL BEFORE YOU DIG!**

BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE-CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION

**1-800-424-5555**

LEGEND			ABBREVIATIONS	
DESCRIPTION	EXISTING	PROPOSED	MIN	MINIMUM
PROPERTY LINE	---	---	MJ	MECHANICAL JOINT
ADJACENT PROPERTY LINE	---	---	MON	MONUMENT
CENTERLINE	---	---	NTS	NOT TO SCALE
CLEARING LIMITS	---	---	OC	ON CENTER
SILT FENCE	X X	X X	PC	POINT OF CURVATURE
CONTOUR LINE	---100---	---100---	PI	POINT OF INTERSECTION
FENCE	---	---	PV	POST INDICATOR VALVE
SANITARY SEWER LINE	SS	SS	PL	PROPERTY LINE
MANHOLE	⊙	⊙	PT	POINT OF TANGENCY
STORM DRAIN MAIN	SD	SD	PVC	POLYVINYL CHLORIDE PIPE
STORM DRAIN PIPE	SD	SD	PVI	POINT OF VERTICAL INTERSECTION
ROOF DRAIN	R	R	PVMT	PAVEMENT
FOOTING DRAIN	F	F	PVT	POINT OF VERTICAL TANG.
PRESSURE LINE	P	P	R	RADIUS
CATCH BASIN (TYPE 1)	□	■	REIN	REINFORCEMENT
CATCH BASIN (TYPE 2)	□	■	RJ	RESTRAINED JOINT
CLEANOUT	○	○	RET	RETAINING
CLEANOUT AND WYE	○	○	RT	RIGHT
GRADE BREAK	---	---	SD	STORM DRAIN
SURFACE SWALE	---	---	SECT	SECTION
DRAINAGE ARROW	---	---	SDMH	STORM DRAIN MANHOLE
WATER LINE	WA	WA	SIM	SIMILAR
WATER METER	⊕	⊕	SQ	SQUARE
FIRE HYDRANT	⊕	⊕	SS	SANITARY SEWER
FDC	⊕	⊕	SSMH	SANITARY SEWER MANHOLE
PIV	○	○	STA	STATION
GATE VALVE	X	X	STD	STANDARD
TEE	⊥	⊥	STL	STEEL
90° BEND	⊥	⊥	TB	THRUST BLOCK
THRUST BLOCKING	⊥	⊥	TOC	TOP OF CURB
CAP	⊥	⊥	TOW	TOP OF WALL
CONCRETE PAVEMENT	---	---	TOP	TOP ELEVATION
ASPHALT PAVEMENT	---	---	TYP	TYPICAL
CRUSHED SURFACING	---	---	VC	VERTICAL CURVE
ROCKERY	---	---	W/	WITH
SPOT ELEVATION	20.0	20.0	WM	WATER METER
TELEPHONE LINE	T	T		
POWER LINE	E	E		
GAS LINE	G	G		
SIGN	---	---		



**1 OVERALL SITE PLAN**  
SCALE: 1" = 150'



**CG ENGINEERING**  
250 4TH AVE. S., SUITE 200  
EDMONDS, WASHINGTON 98020  
PHONE (425) 778-8500  
FAX (425) 778-5536



MARK	DATE	DESCRIPTION
	11/08/23	SPECIAL USE PERMIT SUBMITTAL

DESIGN: BJJ  
DRAWN: JCP  
CHECK: JPU  
JOB NO: 23118.20  
DATE: 11/08/23

SNOPUD NORTH COUNTY ENERGY STORAGE  
17601 59TH AVE NE  
ARLINGTON, WA 98223  
**City of Arlington PLN#1151**  
COVER SHEET AND SITE PLAN

**Zoning Approval**  
PLN #1151  
December 18, 2023

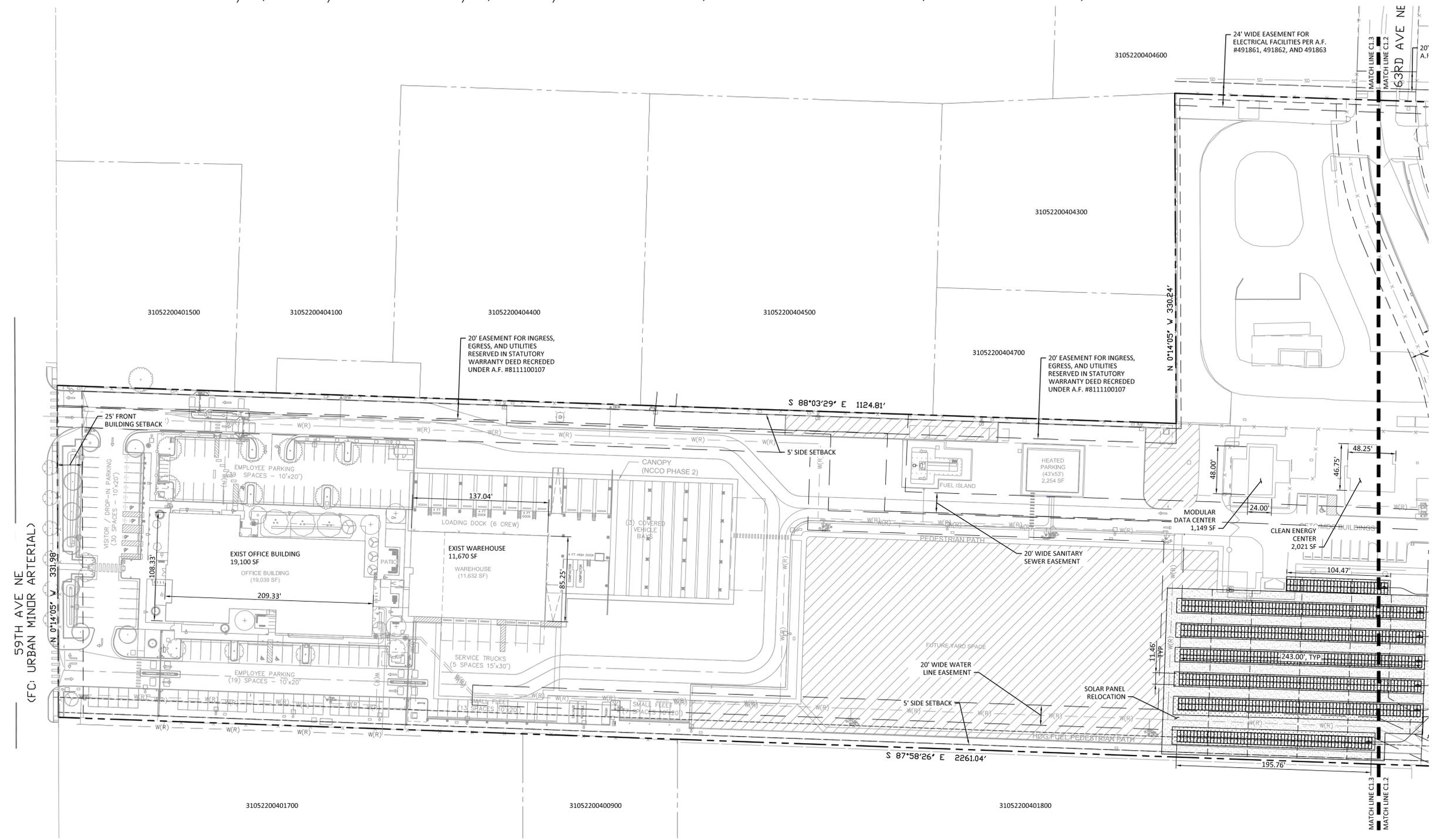
Amy Rusko  
City of Arlington  
Planning, Development, & Economic Development, Community & Economic Development, Community & Economic Development, Community & Economic Development  
Date: 2023.12.18 11:11:49-0800'

**C1.1**

NW 1/4, SE 1/4 AND NE 1/4, SE 1/4 SECTION 22, TOWNSHIP 31 NORTH, RANGE 5 EAST, W.M.

**ENGINEERING**  
 250 4TH AVE. S., SUITE 200  
 EDMONDS, WASHINGTON 98020  
 PHONE (425) 778-8500  
 FAX (425) 778-5536

**Craig Guillen**  
 STATE OF WASHINGTON  
 2005 REG. # 15280  
 PROFESSIONAL ENGINEER  
 11/08/23

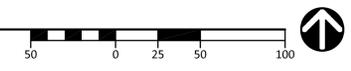


MARK	DATE	DESCRIPTION
	11/08/23	SPECIAL USE PERMIT SUBMITTAL

DESIGN:	BJL
DRAWN:	JCP
CHECK:	JPU
JOB NO:	23118.20
DATE:	11/08/23

**SNOPUD NORTH COUNTY ENERGY STORAGE**  
 17601 59TH AVE NE  
 ARLINGTON, WA 98223  
**PARTIAL SITE PLAN**

**1 PARTIAL SITE PLAN**  
 SCALE: 1" = 50'



**Zoning Approval**  
 PLN #1151  
 December 18, 2023

Amy Rusko  
 City of Arlington  
 Planning, Development & Economic Services  
 Date: 2023.12.18 11:11:49 AM

SHEET:  
**C1.2**







EXISTING CONDITION



PROPOSED CONDITION



**C 63RD STREET STREETSCAPE - NORTH END**

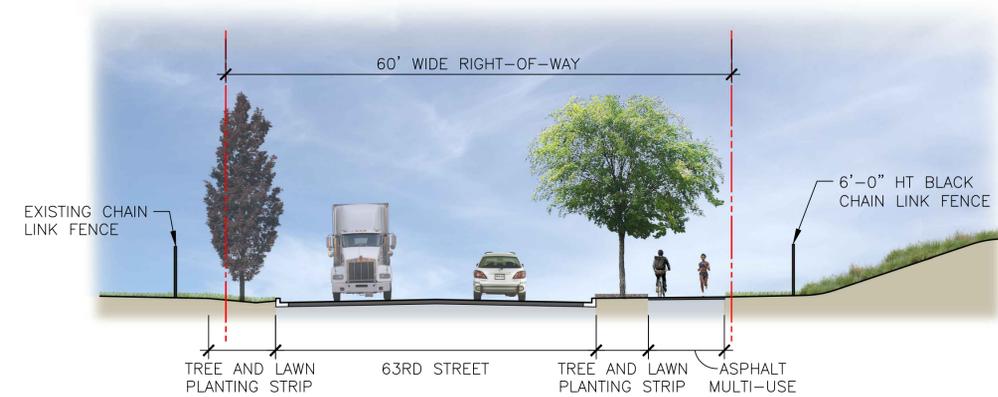
EXISTING CONDITION



PROPOSED CONDITION

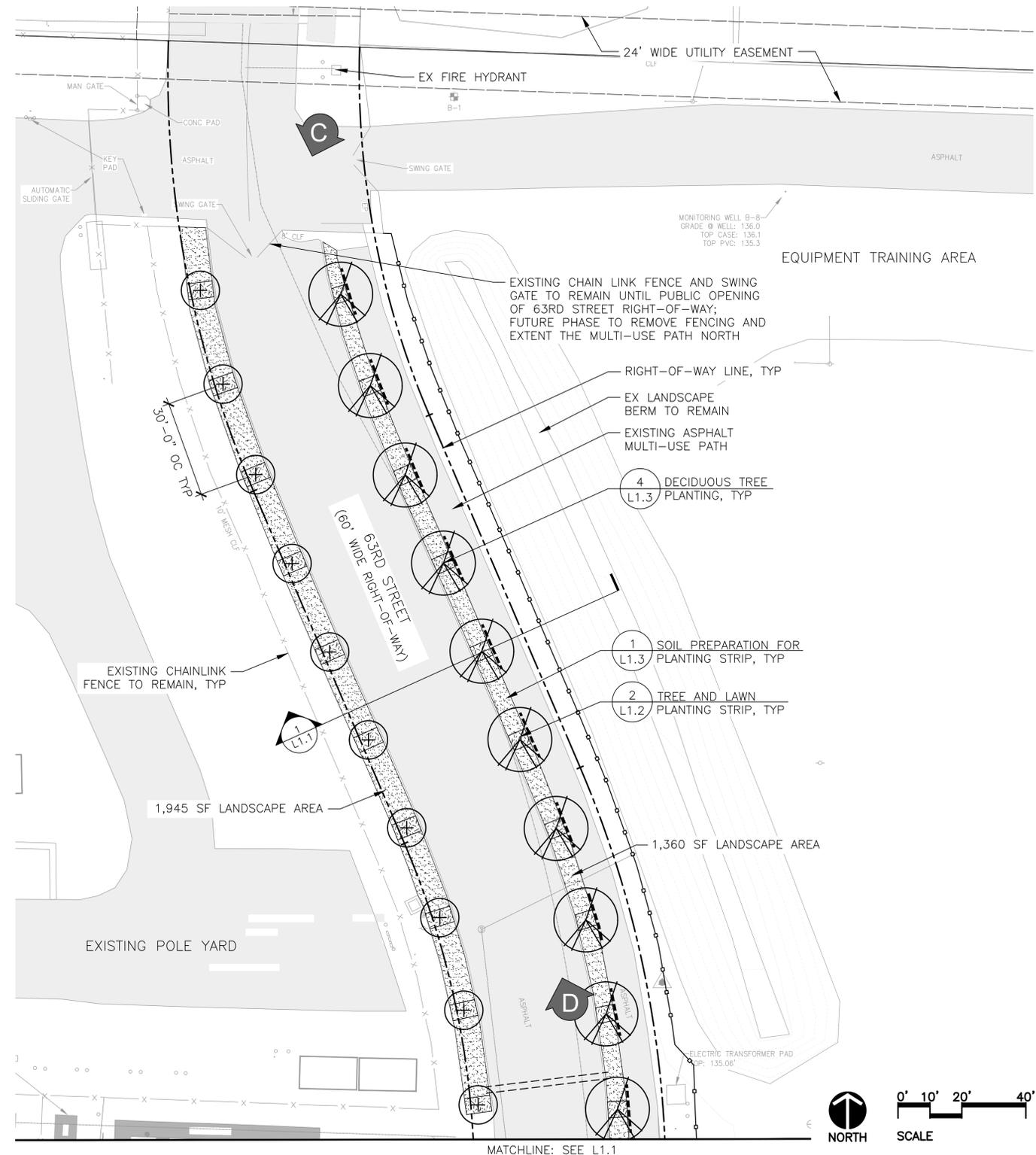


**D 63RD STREET STREETSCAPE - MID-BLOCK**



**1 63RD STREET CROSS SECTION - NORTH**

1" = 10'-0"



MARK	DATE	DESCRIPTION

DESIGN: MB  
 DRAWN: SS  
 CHECK: DWK  
 JOB NO: 2023-23  
 DATE: 9/22/2023

SNOPUD NORTH COUNTY ENERGY STORAGE  
 17601 59TH AVE NE  
 ARLINGTON, WA 98223  
**PRELIMINARY PLANTING PLAN**

SHEET:

**Zoning Approval**  
 PLN #1151  
 December 18, 2023  
 Digitally signed by Amy Rusko  
 Amy Rusko  
 1/18/2023 12:18:11 PM -11:11:48-0800

**L1.2**





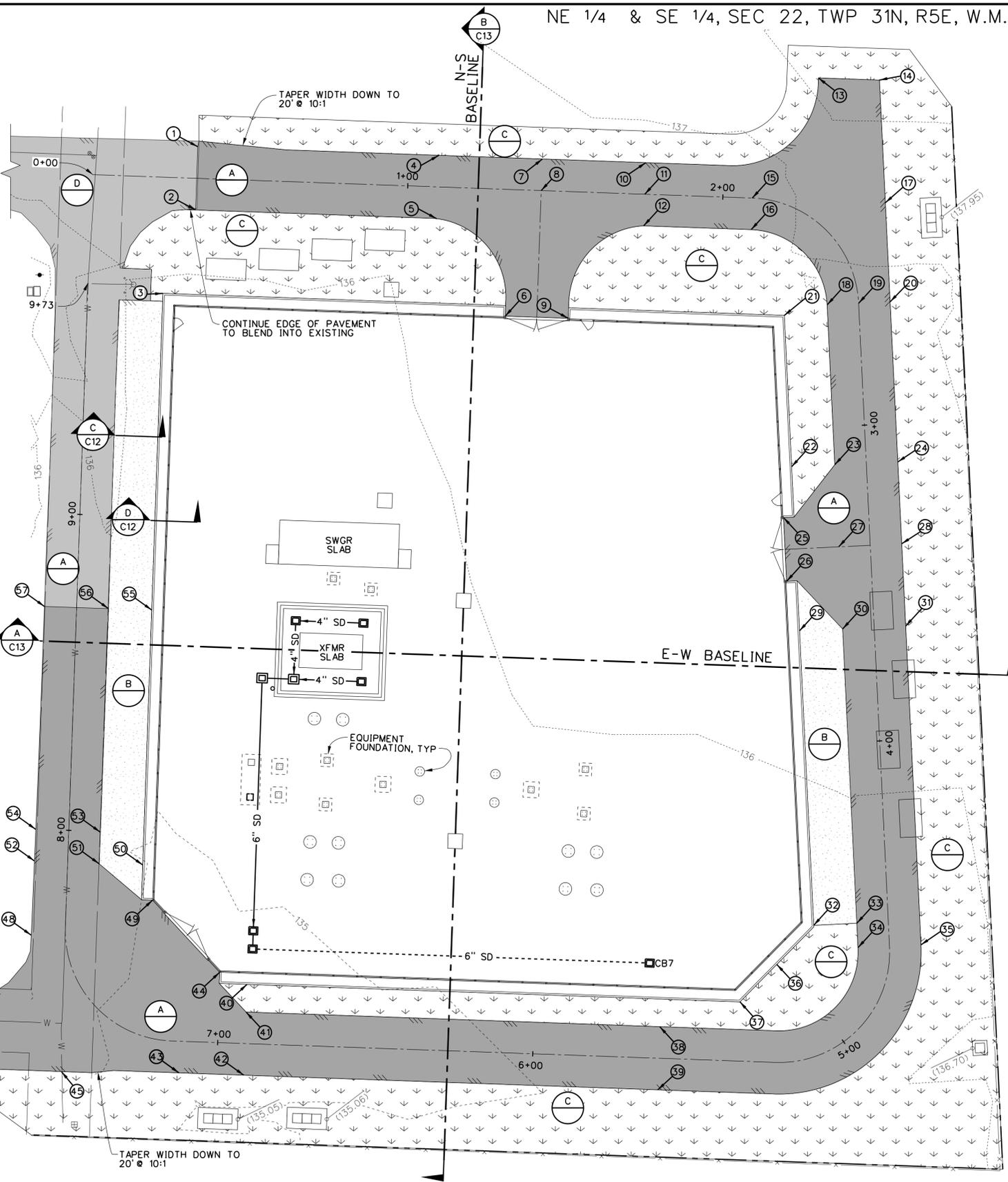


**SUBSTATION GRADING SPOT ELEVATIONS**

PT ID	ELEVATION	BASELINE N-S OFFSET	BASELINE E-W OFFSET	STATION	OFFSET
1	136.10'	89.34'	158.00'	33+02	10.00'-L
2	136.50'	89.33'	138.00'	33+02	10.00'-R
3	137.00'	98.75'	111.25'	9+70.80	23.85'-R
4	136.90'	12.86'	158.00'	1+09.50	10.00'-L
5	137.10'	12.86'	137.95'	1+09.50	10.00'-R
6	137.50'	10.00'	107.92'	1+32.36	40.08'-R
7	137.10'	20.00'	158.00'	1+42.36	10.00'-L
8	137.30'	20.00'	148.00'	1+42.36	CENTERLINE
9	137.50'	30.00'	107.92'	1+52.36	40.08'-R
10	137.10'	52.86'	158.00'	1+75.22	10.00'-L
11	137.30'	52.86'	148.00'	1+75.22	CENTERLINE
12	137.10'	52.86'	138.00'	1+75.22	10.00'-R
13	137.30'	106.59'	186.73'	2+18.44	41.29'-L
14	137.10'	125.97'	186.73'	2+26.37	48.41'-L
15	137.30'	86.98'	148.00'	2+09.34	CENTERLINE (PC)
16	137.10'	86.98'	138.00'	2+09.34	10.00'-R
17	137.00'	129.21'	148.00'	2+40.10	19.85'-L
18	137.00'	111.89'	115.08'	2+61.40	10.00'-R
19	136.80'	121.86'	115.92'	2+61.40	CENTERLINE (PT)
20	136.60'	131.82'	116.75'	2+61.40	10.00'-L
21	137.10'	98.45'	111.25'	2+64.10	23.75'-R
22	137.10'	102.44'	63.51'	3+12.00	23.75'-R
23	137.00'	116.12'	64.61'	3+12.00	10.00'-R
24	136.60'	136.05'	66.22'	3+12.00	10.00'-L
25	137.50'	100.45'	47.34'	3+28.00	26.95'-R
26	137.50'	102.14'	27.22'	3+48.00	26.95'-R
27	137.00'	118.29'	38.70'	3+38.00	10.00'-R
28	136.60'	138.22'	40.37'	3+38.00	10.00'-L
29	137.00'	106.78'	11.69'	3+64.00	23.75'-R
30	136.75'	120.45'	12.79'	3+64.00	10.00'-R
31	136.35'	140.39'	14.40'	3+64.00	10.00'-L
32	136.50'	114.56'	81.25'	4+57.25	23.75'-R
33	136.30'	128.23'	80.10'	4+57.25	10.00'-R
34	136.25'	128.87'	87.91'	4+65.11	10.00'-R
35	135.85'	148.81'	86.19'	4+65.11	10.00'-L
36	136.75'	103.33'	94.00'	5+23.65	31.00'-R
37	137.00'	92.06'	106.25'	5+34.92	18.75'-R
38	136.25'	66.91'	115.00'	5+60.00	10.00'-R
39	135.85'	66.99'	135.00'	5+60.00	10.00'-L
40	137.00'	64.39'	106.25'	6+91.36	18.75'-R
41	136.80'	64.39'	115.00'	6+91.36	10.00'-R
42	136.20'	64.39'	135.00'	6+91.36	10.00'-L
43	136.25'	84.97'	135.00'	7+12.00	10.00'-L
44	137.50'	73.18'	102.75'	7+00.00	22.25'-L
45	135.50'	122.20'	135.92'	7+37.50	21.75'-L
46	135.00'	147.74'	135.88'	7+46.75	40.65'-L
47	135.00'	147.70'	113.12'	7+55.65	30.20'-L
48	136.00'	133.34'	93.14'	7+67.10	10.00'-L
49	137.50'	95.25'	80.68'	7+78.87	23.35'-R
50	137.00'	98.75'	69.70'	7+89.75	23.85'-R
51	136.60'	112.60'	69.78'	7+89.75	10.00'-R
52	136.00'	133.15'	69.62'	7+89.75	10.00'-L
53	136.40'	112.58'	59.78'	8+00.00	10.00'-R
54	136.00'	133.07'	59.62'	8+00.00	10.00'-L
55	137.00'	98.75'	11.00'	8+70.50	23.75'-R
56	136.00'	112.50'	10.96'	8+70.50	10.00'-R
57	136.00'	132.83'	10.96'	8+70.50	10.00'-L

**LEGEND:**

- PROPERTY LINE
- x-x- EXISTING FENCE
- - - RIGHT-OF-WAY LINE
- - - ADJACENT PROPERTY LINE
- ..... EXISTING CONTOUR LINE
- EDGE OF PAVEMENT
- W --- EXISTING WATER LINE
- ⊕ --- EXISTING WATER METER
- ⊕ --- EXISTING FIRE HYDRANT
- █ EXISTING ASPHALT PAVEMENT TO REMAIN
- █ PROPOSED ASPHALT PAVEMENT SECTION
- █ PROPOSED GRAVEL SHOULDER C10/B
- █ PROPOSED SEEDED LAWN PER BMP T5.13



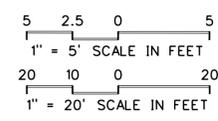
**Zoning Approval**  
**PLN #1151**  
**December 18, 2023**

Amy Rusko  
 Digitally signed by Amy Rusko  
 DN: cn=Amy Rusko, email=amy.rusko@arlingtonwa.gov, o=City of Arlington, ou=Community & Economic Development, c=WA  
 Date: 2023.12.18 11:11:48 -0800

**SUBSTATION GRADING PLAN**  
 1" = 20'

City of Arlington PLN#1151

CALL 48 HOURS BEFORE YOU DIG  
 1-800-424-5555

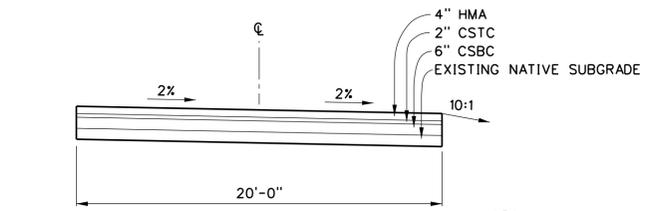


**GENERAL GRADING NOTES AND RECOMMENDED CONSTRUCTION SEQUENCE:**

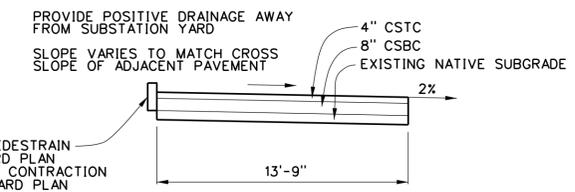
- REMOVE UPPERMOST 4'-6" OF SURFACE MATERIAL AND FULL EXTENTS OF UNDERLYING GEOTEXTILE MEMBRANE FROM THE LIMITS OF PROJECT SITE.
- STOCKPILE SPOILS FROM CLEARING AT DISTRICT APPROVAL LOCATION FOR TESTING AND POTENTIAL RE-USE.
- PROJECT GEOTECHNICAL ENGINEER TO EVALUATE UNDERLYING SUB-GRADE SOILS BELOW REMOVED GEOTEXTILE PRIOR TO FILL PLACEMENT.
- AFTER STRIPPING MATERIAL ABOVE GEOTEXTILE SUBGRADE SHALL BE CONFIRMED TO PROVIDE FIRM UNYIELDING CONDITIONS AND VERIFIED TO BE FREE OF ORGANIC MATERIALS AND DELETERIOUS DEBRIS.
- ANY AREAS REQUIRING OVER-EXCAVATION SHALL BE BACKFILLED UP TO SUBGRADE ELEVATION WITH STRUCTURAL FILL PLACED IN LIFTS OF 10" OR LESS LOOSE THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY PER ASTM D 1557.
- FOLLOWING APPLICABLE KEY NOTES AND SECTIONS FROM THIS SHEET GRADE TO ACHIEVE ELEVATIONS AS INDICATED PER PLAN.
- PROPOSED CONTOURS AND SPOT ELEVATIONS REPRESENT FINISHED GRADE ELEVATIONS.
- PROJECT FILL SLOPES FOR SEEDED LAWN AREAS BETWEEN THE ACCESS ROAD AND PROPERTY BOUNDARIES SHALL BE BLENDED TO TIE INTO EXISTING GRADES.
- THE TOE OF ANY FILL SLOPE FOR LAWN AREAS SHALL BE SET BACK A MINIMUM OF 2' FROM PROPERTY LINES.
- MAXIMUM SLOPE FOR LAWN AREAS SHALL NOT EXCEED 10% OR 10'H:1'V.

**KEY NOTES:**

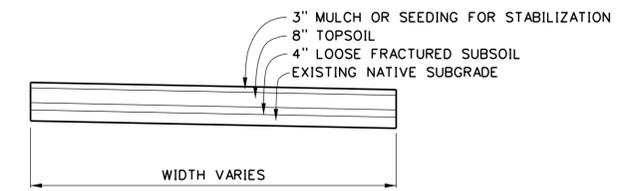
- (A) PROPOSED ASPHALT PAVEMENT SECTION PER DETAIL "A" THIS SHEET.
- (B) PROPOSED GRAVEL SHOULDER SECTION PER DETAIL "B" THIS SHEET.
- (C) PROPOSED SEEDED LAWN MEETING BMP T5.13 PER DETAIL "C" THIS SHEET.
- (D) EXISTING ASPHALT PAVEMENT TO REMAIN IN PLACE.



**ASPHALT PAVEMENT SECTION A**  
 1" = 5'



**GRAVEL SHOULDER SECTION B**  
 1" = 5'



**SEEDED LAWN AND SHEET FLOW DISPERSION SECTION C**  
 1" = 5'

**CITY OF ARLINGTON**  
**CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT**

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BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DEVELOPMENT SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL.

ISSUED FOR CITY OF ARLINGTON PERMITS  
 NO. 100105778

**MICHAEL P. VAUGHAN**  
 STATE OF WASHINGTON  
 35000824  
 REGISTERED PROFESSIONAL ENGINEER

**SNOHOMISH COUNTY**  
**PUD**  
 PUBLIC UTILITY DISTRICT NO. 1

ORDER 100105778  
 OPERATION  
 SCALE NOTED  
 DFTR CL  
 CHKR  
 ENGR  
 APVD  
 DATE

**CROSSWIND**  
**SUBSTATION**  
**GRADING**  
**PLAN**

REV A DRAWING S-122-C10