

# 275TH AVENUE NE COMPLETE STREETS

## DUVALL, WASHINGTON



**BLUELINE**

15200 52ND AVE. SO., SUITE 210  
SEATTLE, WA 98188  
P: 206.204.0507  
WWW.THEBLUELINEGROUP.COM

SCALE:

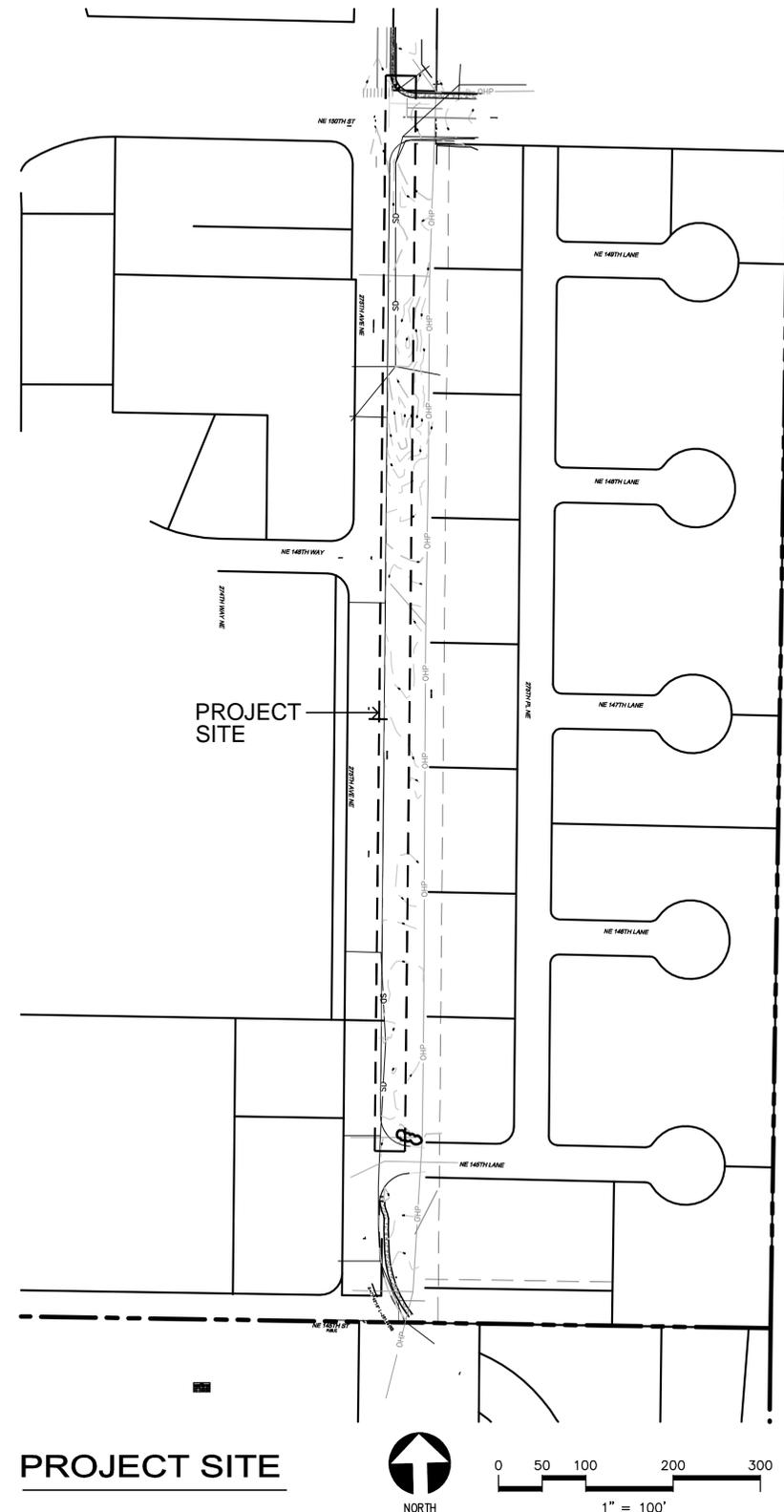
AS NOTED

PROJECT MANAGER:  
**CHRIS PETERSEN**

LANDSCAPE ARCHITECT:  
**DANIEL ROBBERN**

DRAWN BY:  
**DANIEL ROBBERN**

ISSUE DATE:  
**7/13/2020**



### PROJECT TEAM

**CLIENT:** CITY OF DUVALL  
14525 MAIN STREET NE  
DUVALL, WA 98119  
TEL: (425) 939-8045  
CONTACT: ALANA MCCOY

**LANDSCAPE ARCHITECT:** BLUELINE  
15200 52ND AVENUE S, SUITE 210  
SEATTLE, WA 98188  
TEL: (206) 204-0507  
CONTACT: CHRIS PETERSEN

**SURVEYOR:** MEAD GILMAN LAND SURVEYORS  
P.O. BOX 289  
WOODINVILLE, WA 98072  
TEL: (425) 823-5700  
WWW.MEADGILMAN.COM  
CONTACT: CHRISTOPHER BARNES

**ARBORIST:** TREE RESOURCE  
TEL: (253) 350-4722  
WWW.TREERESOURCE.COM  
CONTACT: ZEB HANEY

### VICINITY MAP



### DRAWING INDEX

SHT #	SHEET TITLE
G0.0	COVER SHEET
G0.1	SITE SURVEY
G0.2	SITE SURVEY
L0.1	TESC AND DEMOLITION PLAN
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L0.3	TESC AND DEMOLITION PLAN
L1.1	SITE LAYOUT PLAN
L1.2	SITE LAYOUT PLAN
L1.3	SITE LAYOUT PLAN
L1.4	SITE GRADING PLAN
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L1.6	SITE GRADING PLAN
L2.1	SITE DETAILS
L2.2	SITE DETAILS
L2.3	SITE DETAILS
L2.4	SITE DETAILS
L2.5	PSE DETAILS
L3.1	LANDSCAPE PLAN
L3.2	LANDSCAPE PLAN
L3.3	LANDSCAPE PLAN
L4.1	LANDSCAPE DETAILS AND NOTES

### GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL BE FURNISHED AND SUPPLIED IN ACCORDANCE WITH THE 2020 WASHINGTON STATE DEPARTMENT OF STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE PROJECT SPECIFICATIONS
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES IN ORDER TO ASSURE THAT ALL LINES, PIPES, POLES, AND OTHER APPURTENANCES ARE PROPERLY LOCATED, SECURED, RELOCATED, AND/OR PROTECTED. BURIED UTILITIES (WHERE SHOWN) ARE SHOWN IN THEIR APPROXIMATED LOCATIONS. THE CONTRACTOR SHALL HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. NOTIFY UNDERGROUND UTILITY LOCATE CENTER @ 811.
- THE CONTRACTOR SHALL HAVE A COPY OF THESE PLANS AND CONTRACT SPECIFICATIONS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF UNSUITABLE SOILS OR DISCREPANCIES ON THE PLANS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF DUVALL PRIOR TO STARTING WORK.
- AN ARBORIST SHALL BE ON HAND DURING INITIAL EXCAVATION, GRADING WORK AND INSTALLATION OF TREE PROTECTION FENCE AROUND RETAINED TREES AND CRITICAL ROOT ZONES.
- A PRE-CONSTRUCTION MEETING IS REQUIRED AND SHALL BE SCHEDULED THROUGH THE PROJECT MANAGER.

REVISIONS

NO DATE BY

**COVER SHEET**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
**275th Avenue NE**  
**Duvall, WA 98019**  
Owner: City of Duvall, WA



JOB NUMBER:

**19-089**

SHEET #:

**G0.0**

BID DOCUMENTS

APRIL 8, 2020

APPROVED FOR CONSTRUCTION

BY: CITY ENGINEER DATE: \_\_\_\_\_

BY: UTILITIES SUPERINTENDENT DATE: \_\_\_\_\_

APPROVAL EXPIRES: \_\_\_\_\_

ERRORS OR OMISSIONS ARE THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, ENGINEER AND/OR CONTRACTOR.

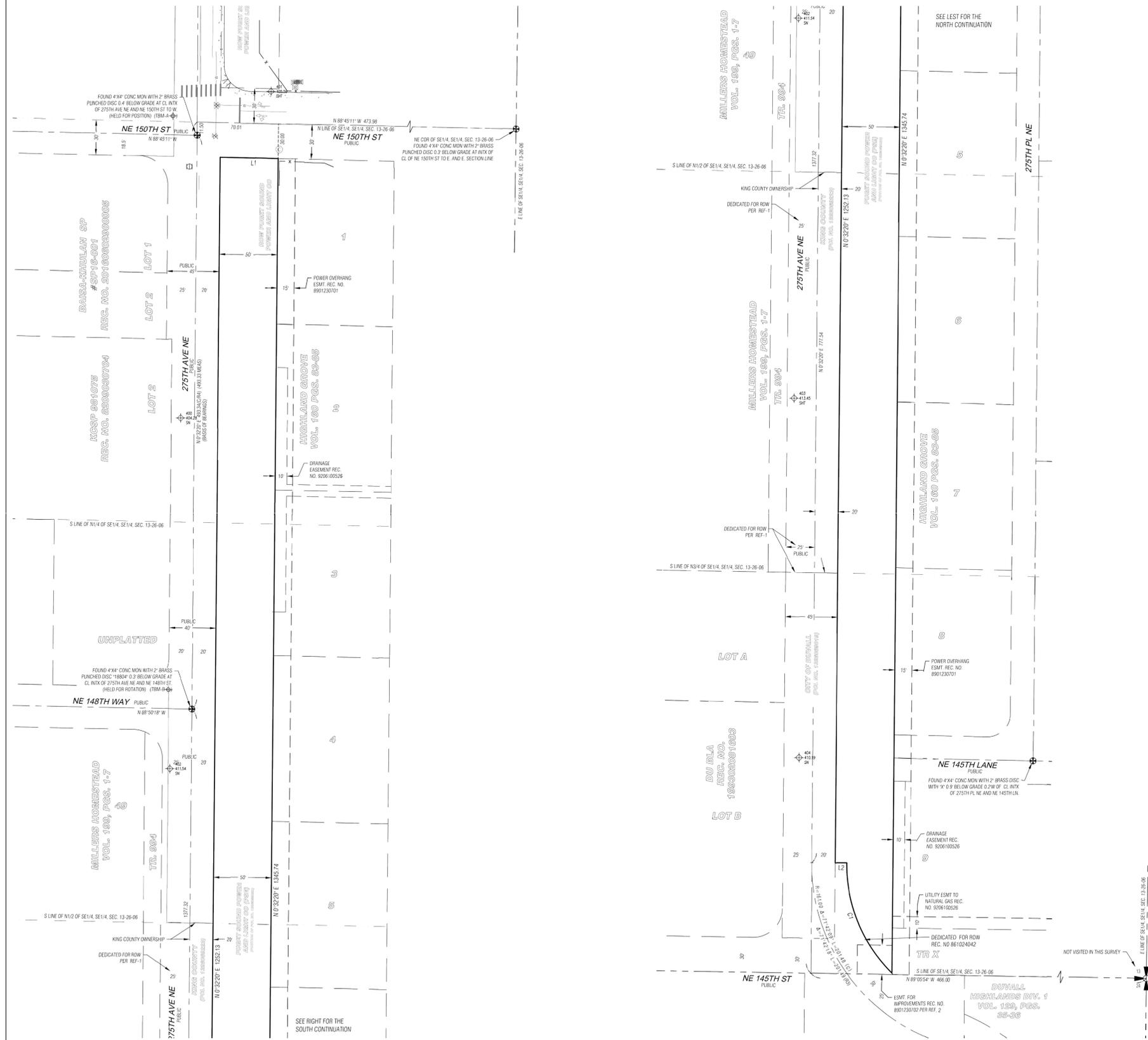
**PROJECT SITE**



0 50 100 200 300  
1" = 100'



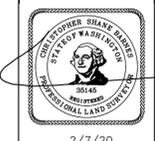
SE1/4, SE1/4, SEC. 13, TWP. 26 N., RGE. 6 E., W.M.



TAG #	RADIUS	DIRECTION Δ	LENGTH
C1	131.00	46°00'00"	105.17
L1		N 88°45'11" W	50.00
L2		N 89°27'47" W	10.00

SCALE: 1" = 40'  
 MERIDIAN  
 WASHINGTON STATE COORDINATE SYSTEM NORTH ZONE (NAD83-1113)  
 BASED ON RAPID STATIC GPS MEASUREMENTS WITH BASELINES COMPUTED FROM CORS WGS MONUMENTS  
 VERTICAL DATUM: NAVD 83  
 BASED ON RAPID STATIC GPS MEASUREMENTS WITH BASELINES COMPUTED FROM CORS WGS MONUMENTS  
 BENCHMARKS:  
 TBM-4: FOUND 4"x4" CONCRETE MONUMENT WITH 2" BRASS PUNCHED DISC 0.4" BELOW GRADE AT CL. INTX OF 275TH AVE NE AND NE 150TH ST 10' W. ELEV. = 404.59  
 TBM-8: FOUND 4"x4" CONCRETE MONUMENT WITH 2" BRASS PUNCHED DISC 1.8804" 0.3" BELOW GRADE AT CL. INTX OF 275TH AVE NE AND NE 145TH ST. ELEV. = 409.98  
 LEGEND:  
 ⊕ TEMPORARY BENCHMARK  
 ⊕ FOUND MONUMENT

#	REVISION	DATE
1	ADD TOPO @ INTX OF 150TH ST AND 275AVE	



**MG** | MEAD GILMAN LAND SURVEYORS  
 P.O. BOX 288, WOODINVILLE, WA 98072 | PHONE: (425) 486-1252 | WWW.MGSLANDSURVEY.COM

**275TH AVE NE**  
 BOUNDARY & TOPOGRAPHIC SURVEY  
**BLUELINE**  
 25 CENTRAL WAY, SUITE 400  
 KIRKLAND, WA 98033

DRAWN BY: LSD  
 REVIEWED BY: CSB  
 DATE: 12-06-2019  
 JOB NO.: 19142  
 SHEET: 2 OF 2

APPROVED FOR CONSTRUCTION  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CITY ENGINEER  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
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**DANIEL ROBBERN**

DRAWN BY:  
**DANIEL ROBBERN**

ISSUE DATE:  
**7/13/2020**

NO	DATE	BY	REVISIONS

**SITE SURVEY**

**275th Avenue Complete Streets**

**Sidewalk Design**

**275th Avenue NE**  
 Duvall, WA 98019

Owner: City of Duvall, WA

JOB NUMBER:  
**19-089**

SHEET #:  
**G0.2**

BID DOCUMENTS  
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REVISIONS

NO DATE BY

**TESC AND DEMOLITION PLAN**  
275th Avenue Complete Streets  
Sidewalk Design  
275th Avenue NE  
Duvall, WA 98019  
Owner: City of Duvall, WA



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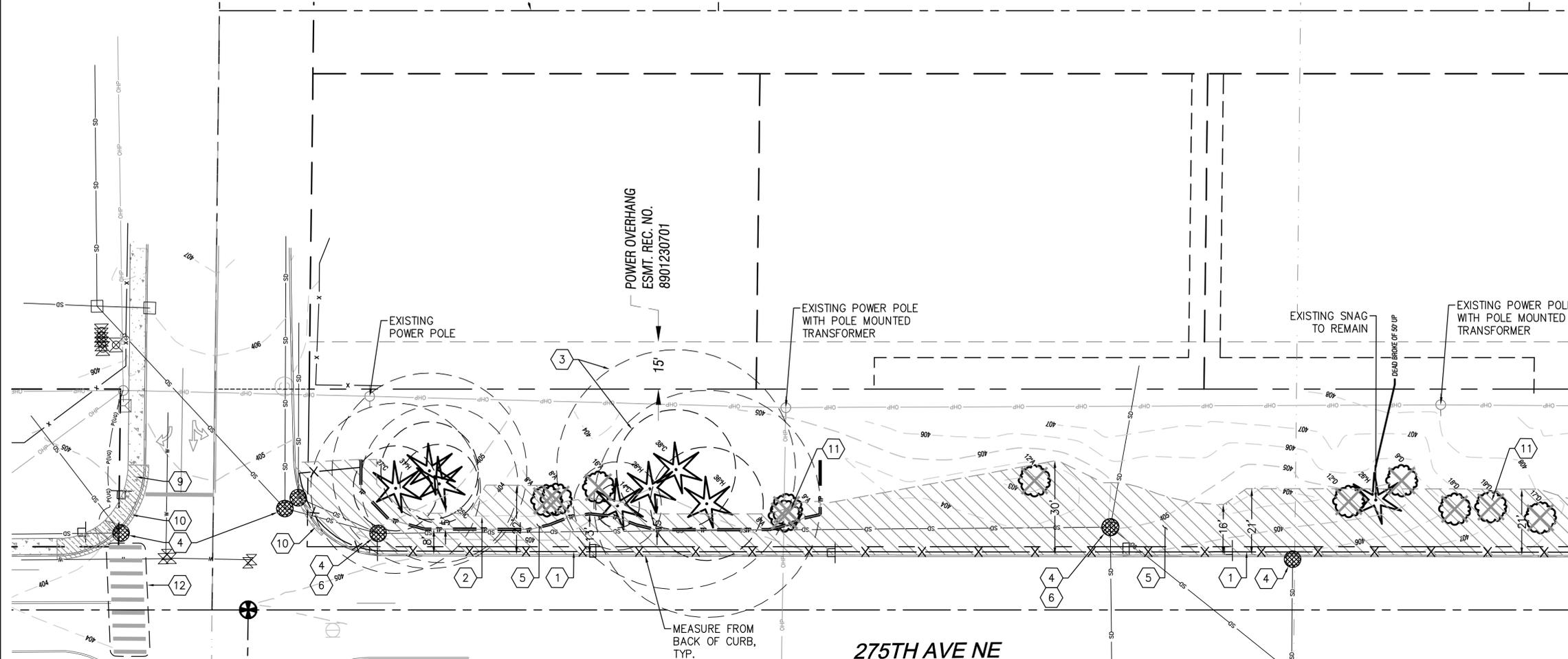
SHEET #:  
**L0.1**

BID DOCUMENTS  
APRIL 8, 2020

**KEY NOTES:**

1. HIGH VISIBILITY SILT/CONSTRUCTION FENCING PER I-30.17-00/L2.1, SIM. INSTALL AT BACK OF CURB AND LOCATIONS SHOWN.
2. TREE PROTECTION FENCING PER I-10.10-01/L2.2, SIM. INSTALL AT LOCATIONS AS SHOWN AND DIRECTED BY THE ARBORIST.
3. TREE CRITICAL ROOT ZONE AND INNER CRITICAL ROOT ZONE. ALL WORK PERFORMED WITHIN ROOT ZONES OF TREES TO BE RETAINED SHALL BE DONE WITH THE ARBORIST PRESENT, TYP.
4. INLET PROTECTION PER I-40.20-00/L2.1, TYP.
5. CLEARING AND GRADING LIMITS. REMOVE ALL WEEDS AND VEGETATION TO BARE SOIL PER NOTES 7-11
6. EXISTING CATCH BASIN TO REMAIN AND BE PROTECTED.
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11. EXISTING TREE TO BE REMOVED BY OTHERS, TYP.
12. REMOVE EXISTING CROSSWALK STRIPING

MATCHLINE - SEE SHEET L0.2



**NOTES:**

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3. INSTALL SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02 AT ANY LOCATION IN WHICH EROSION BECOMES VISIBLE.
4. ALL ITEMS TO BE REMOVED SHALL BE DISPOSED OF OFF-SITE IN A SAFE AND LEGAL MANNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DISPOSAL COSTS.
5. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION AND NOT COVERED BY BUILDINGS OR PAVEMENT SHALL BE AMENDED WITH COMPOST AND HYDROSEEDING OR PLANTED TO MATCH EXISTING PER SWMMWW BMPT 5.13 AND AS NOTED ON DETAIL FIGURE V-5.3.3/L4.1
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**LEGEND**

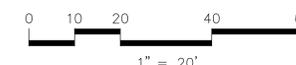
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APPROVED FOR CONSTRUCTION

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BY: \_\_\_\_\_ DATE: \_\_\_\_\_

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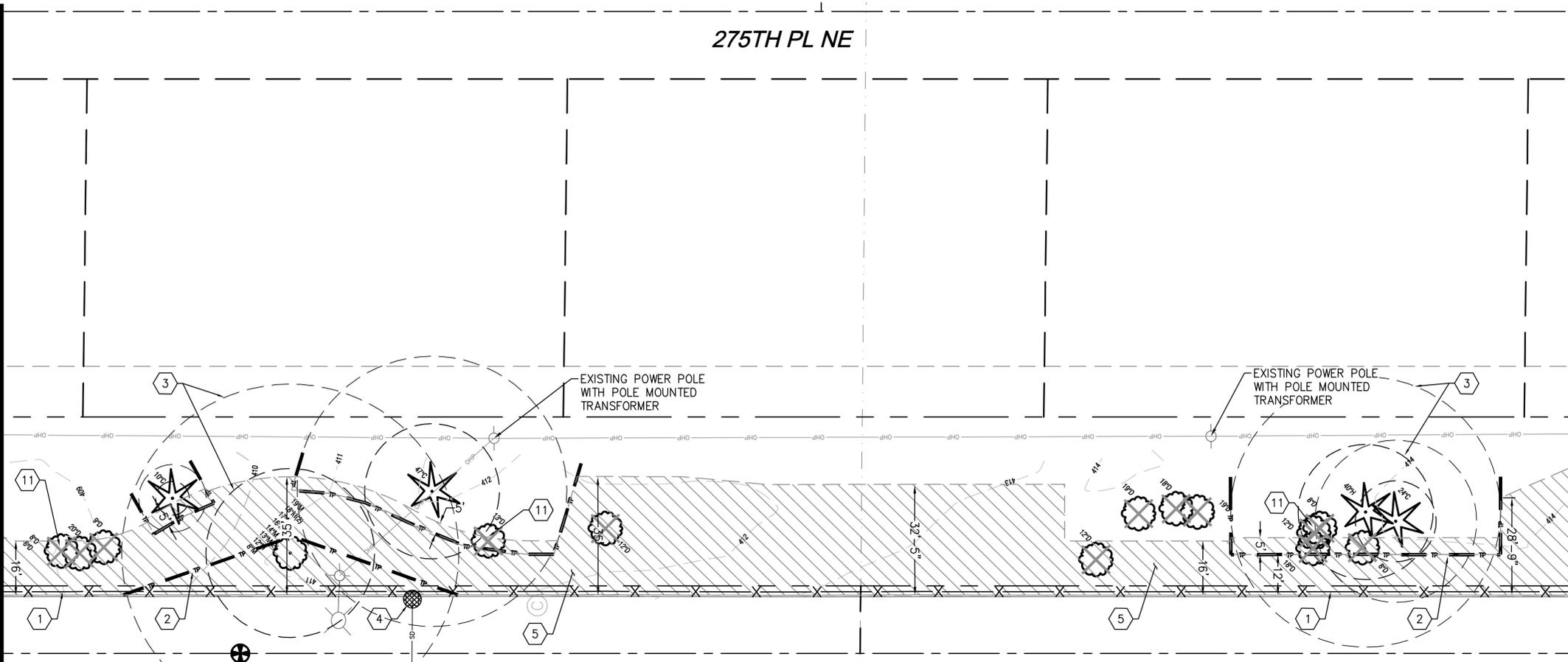
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**L0.2**  
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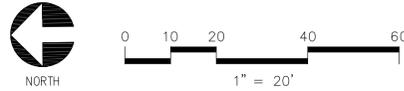
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LANDSCAPE ARCHITECT:

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DANIEL ROBBERN

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REVISIONS

BY

DATE

NO

**TESC AND DEMOLITION PLAN**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
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Owner: City of Duvall, WA



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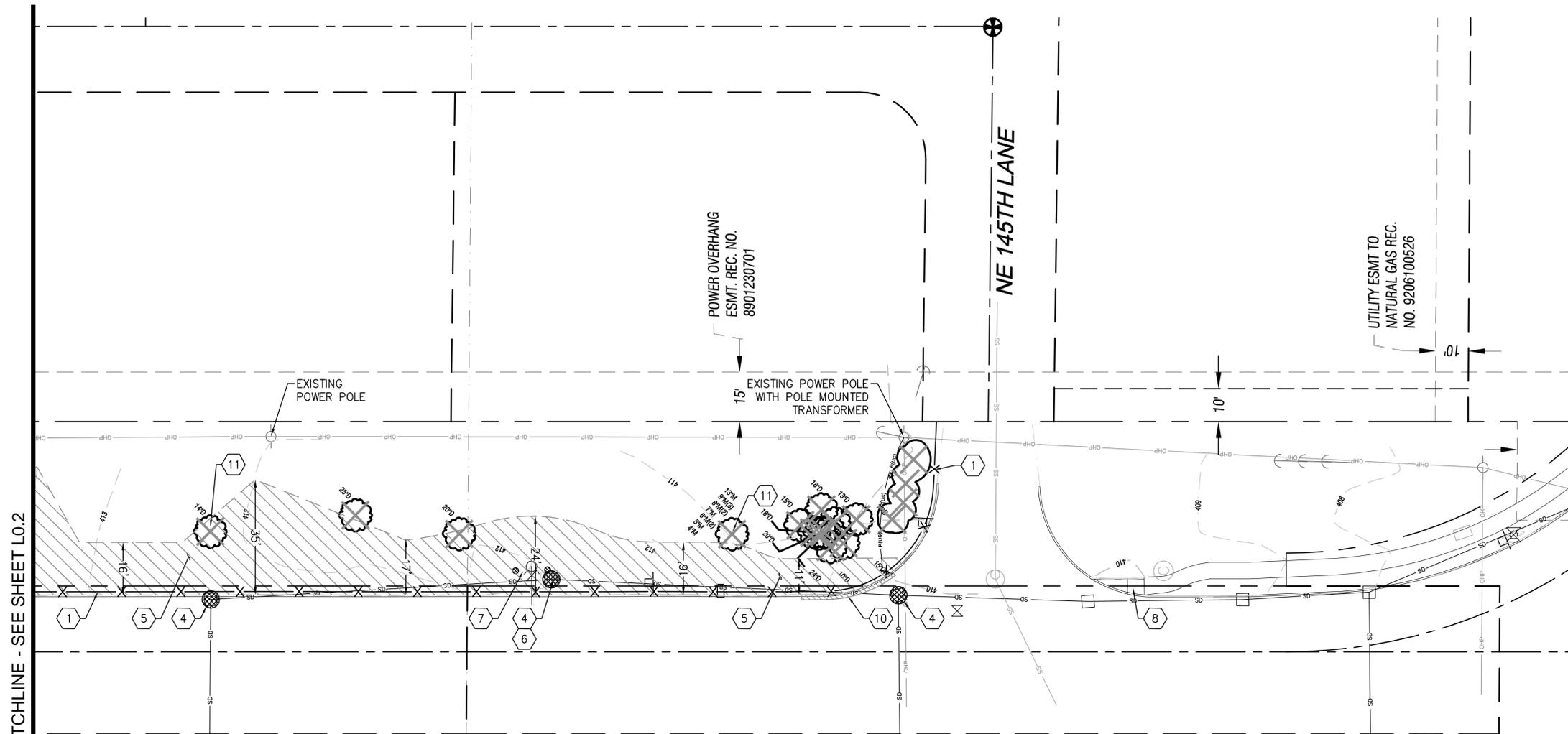
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MATCHLINE - SEE SHEET L0.2

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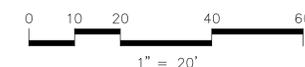
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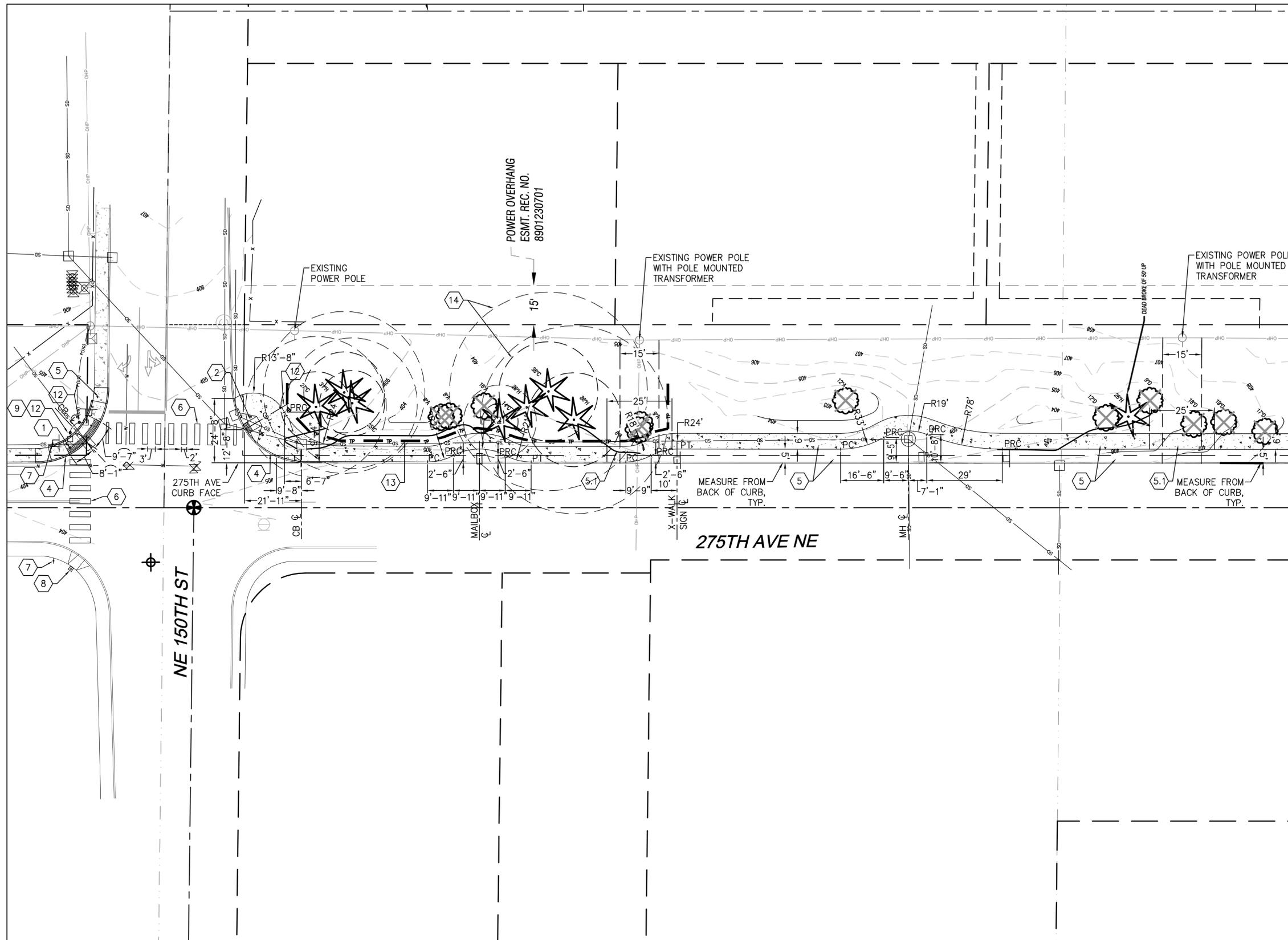
**KEY NOTES:**

1. CURB RAMP PER DDS 03-04-003/L2.3, SIM.
2. CURB RAMP PER DDS 03-04-002/L2.3, SIM.
3. END SIDEWALK RAMP PER DDS 03-04-005/L2.3
4. VERTICAL CURB AND GUTTER PER 03-03-002A/L2.3
5. 5' PLANTER STRIP, 6' SIDEWALK AND JOINTING PER DDS 03-03-005B/L2.3 AND 03-01-002/L2.4, SIM.
- 5.1. INSTALL 25' OF 6" THICK CONCRETE SIDEWALK AT POWER POLE ACCESS.
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11. ADDITIVE #2: EXERCISE AREA PERIMETER CURB AND ENGINEERED WOOD FIBER SURFACING, SEE DETAIL 2/L2.4
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13. TREE PROTECTION FENCING PER 1-10.10-01/L2.2, SIM. INSTALL AT LOCATIONS AS SHOWN AND DIRECTED BY THE ARBORIST.
14. TREE CRITICAL ROOT ZONE AND INNER CRITICAL. ALL WORK PERFORMED WITHIN ROOT ZONES OF TREES TO BE RETAINED SHALL BE DONE WITH THE ARBORIST PRESENT, TYP.
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**ABBREVIATIONS:**

- CL = CENTERLINE
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- PT = POINT OF TANGENCY
- R = RADIUS
- RP = RADIUS POINT

MATCHLINE - SEE SHEET L1.2



APPROVED FOR CONSTRUCTION

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CITY ENGINEER

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
UTILITIES SUPERINTENDENT

APPROVAL EXPIRES: \_\_\_\_\_  
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**BLUELINE**

15200 52ND AVE. SO., SUITE 210  
SEATTLE, WA 98188  
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WWW.THEBLUELINEGROUP.COM

SCALE:

AS NOTED

PROJECT MANAGER:  
**CHRIS PETERSEN**

LANDSCAPE ARCHITECT:  
**DANIEL ROBBERN**

DRAWN BY:  
**DANIEL ROBBERN**

ISSUE DATE:  
**7/13/2020**

REVISIONS

DATE BY

NO

**SITE LAYOUT PLAN**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
275th Avenue NE  
Duvall, WA 98019  
Owner: City of Duvall, WA



JOB NUMBER:

**19-089**

SHEET #:

**L1.2**

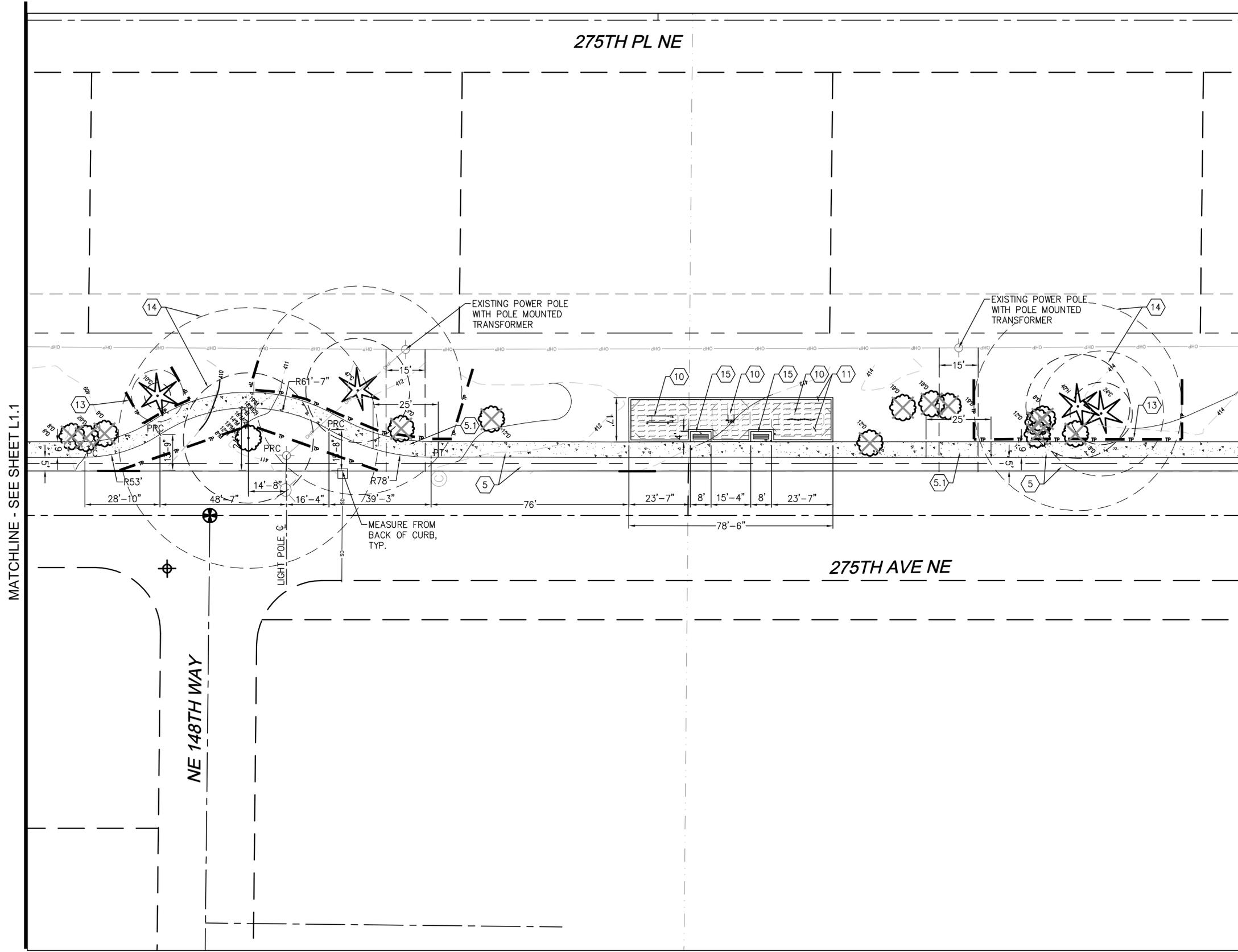
BID DOCUMENTS  
APRIL 8, 2020

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2. CURB RAMP PER DDS 03-04-002/L2.3, SIM.
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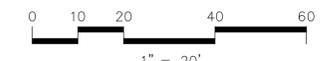
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MATCHLINE - SEE SHEET L1.1

MATCHLINE - SEE SHEET L1.3



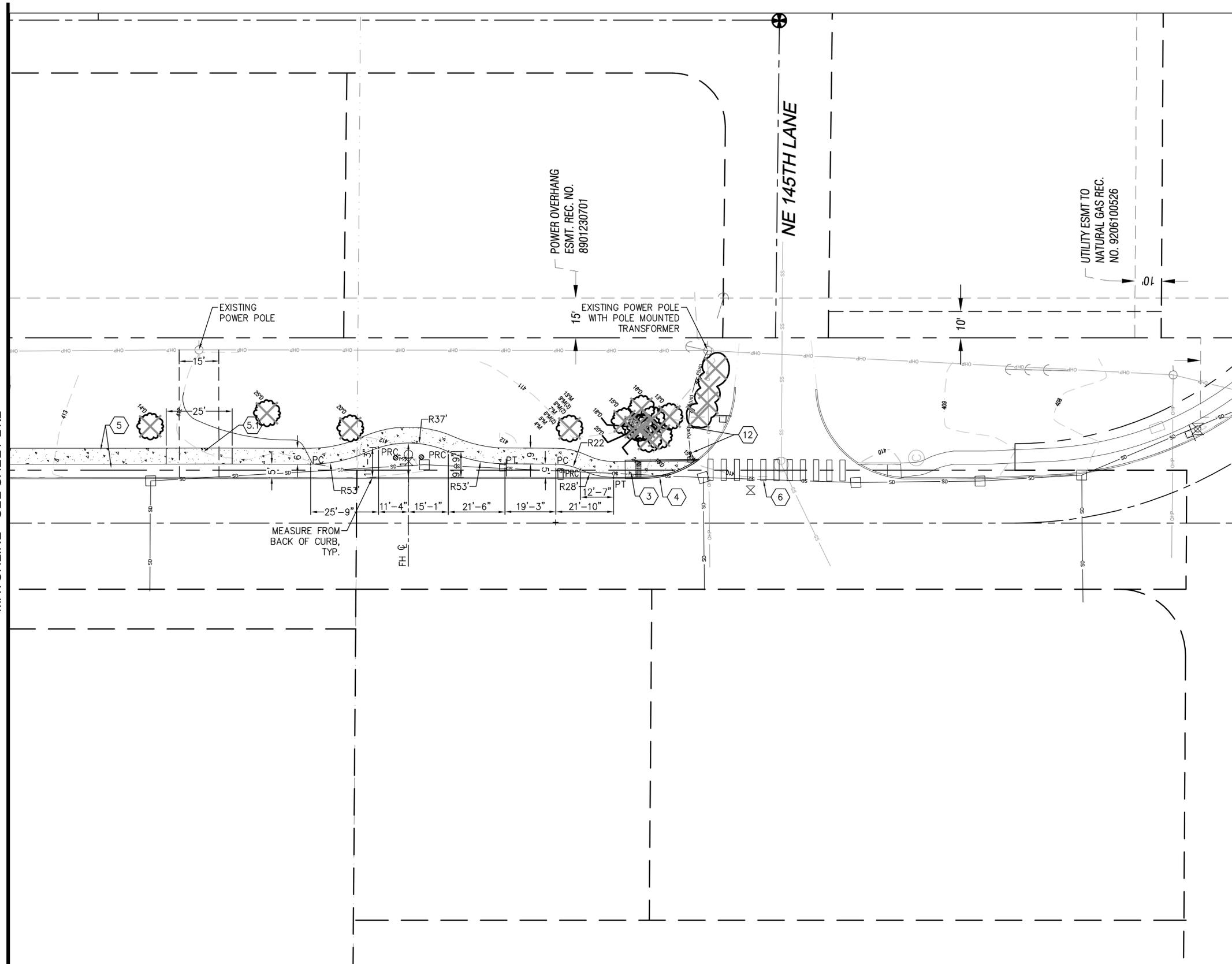
APPROVED FOR CONSTRUCTION

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

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MATCHLINE - SEE SHEET L1.2



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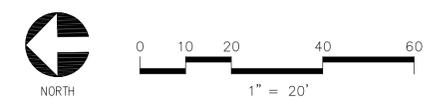
SCALE:  
 AS NOTED  
 PROJECT MANAGER:  
 CHRIS PETERSEN  
 LANDSCAPE ARCHITECT:  
 DANIEL ROBBERN  
 DRAWN BY:  
 DANIEL ROBBERN  
 ISSUE DATE:  
 7/13/2020

NO	DATE	BY	REVISIONS

**SITE LAYOUT PLAN**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
 275th Avenue NE  
 Duvall, WA 98019  
 Owner: City of Duvall, WA

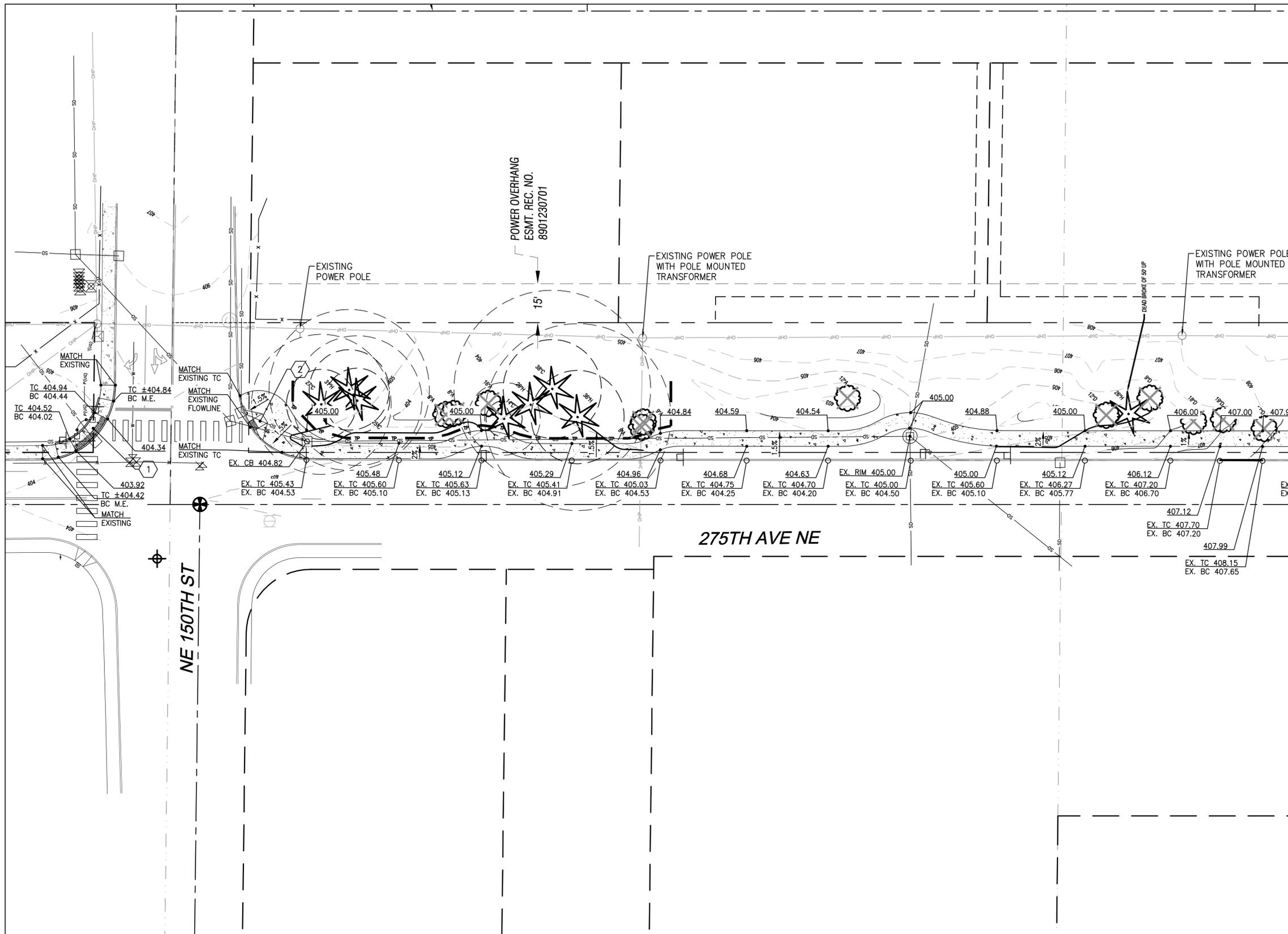


JOB NUMBER:  
**19-089**  
 SHEET #:  
**L1.3**  
 BID DOCUMENTS  
 APRIL 8, 2020



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 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CITY ENGINEER  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 UTILITIES SUPERINTENDENT  
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22x34 Jul 13, 2020 - 2:59pm - User: drabben L: \\Projects\1919-089-275th Ave NE Complete Streets - L1X\_Site\_Layout\_Plans.dwg © 2020 THE BLUELINE GROUP



**KEY NOTES:**

- CURB RAMP PER DDS 03-04-003, SIM. GRADE RAMP AS SHOWN IN DETAIL.
- CURB RAMP PER DDS 03-04-002, SIM. GRADE RAMP AS SHOWN IN DETAIL.
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**ABBREVIATIONS:**

TC = TOP OF CURB  
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SCALE:  
 AS NOTED

PROJECT MANAGER:  
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LANDSCAPE ARCHITECT:  
 DANIEL ROBBERN

DRAWN BY:  
 DANIEL ROBBERN

ISSUE DATE:  
 7/13/2020

NO	DATE	BY	REVISIONS

**SITE GRADING PLAN**

**275th Avenue Complete Streets Sidewalk Design**

275th Avenue NE  
 Duvall, WA 98019  
 Owner: City of Duvall, WA



APPROVED FOR CONSTRUCTION

BY: CITY ENGINEER DATE: \_\_\_\_\_

BY: UTILITIES SUPERINTENDENT DATE: \_\_\_\_\_

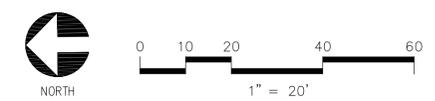
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LANDSCAPE ARCHITECT:  
**DANIEL ROBBERN**

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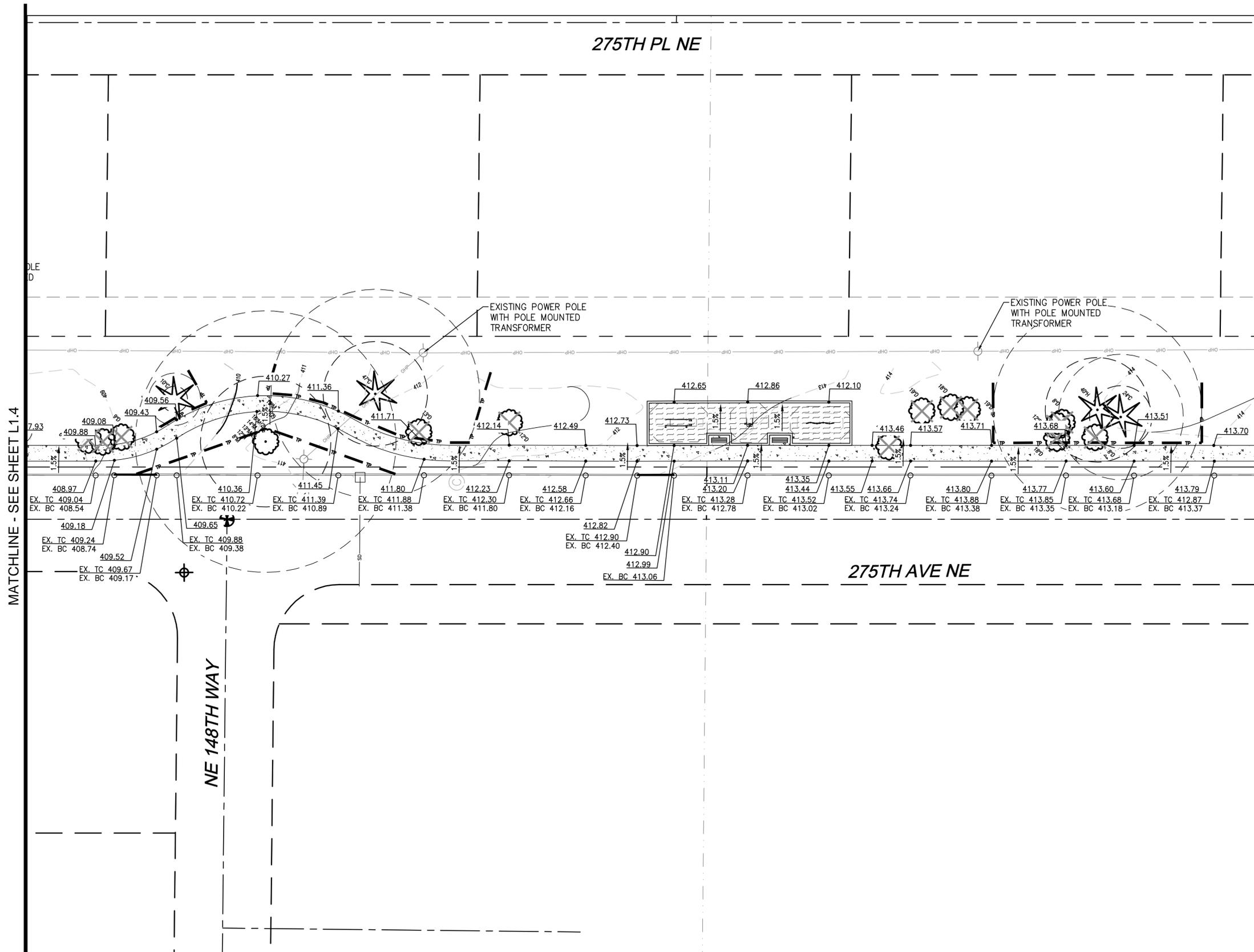
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REVISIONS

BY

DATE

NO

**SITE GRADING PLAN**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
 275th Avenue NE  
 Duvall, WA 98019  
 Owner: City of Duvall, WA



JOB NUMBER:

**19-089**

SHEET #:

**L1.5**

BID DOCUMENTS

APRIL 8, 2020

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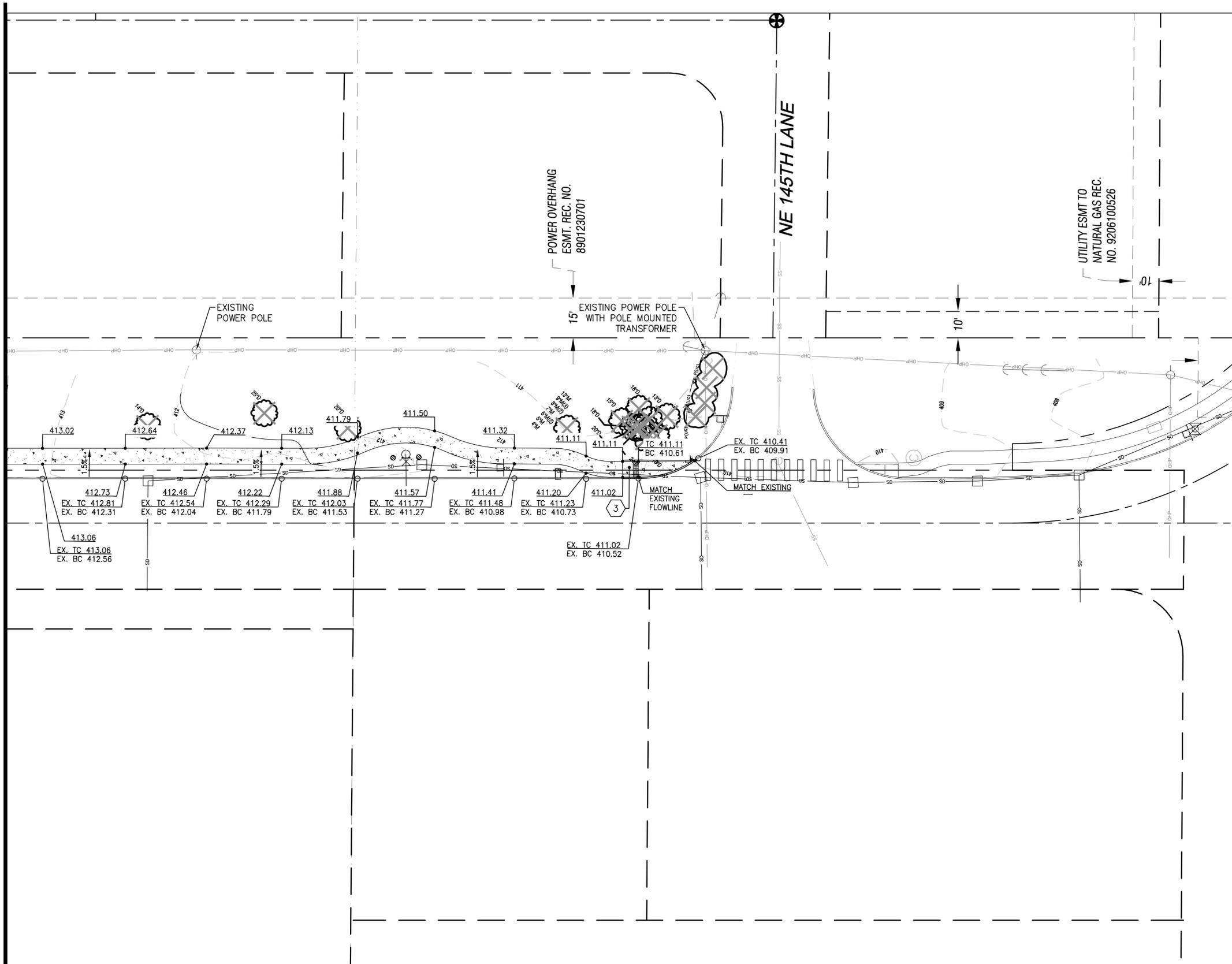
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

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MATCHLINE - SEE SHEET L1.5



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DRAWN BY:  
**DANIEL ROBBERN**

ISSUE DATE:  
 7/13/2020

NO	DATE	BY	REVISIONS

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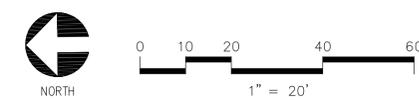
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**19-089**

SHEET #:  
**L1.6**

BID DOCUMENTS  
 APRIL 8, 2020







**DUVALL DESIGN STANDARDS: 2007**

**TYPE I COMMERCIAL 8' OR GREATER SIDEWALK WIDTHS**

DRAWING NUMBER 3-04-002

**REVISION** BY DATE  
 NEW FORMAT DLC 03-23-11

**City of Duval**

1. ALL COMMERCIAL RAMPS SHALL BE CONSTRUCTED TWO PER RADIUS. SET THE RAMP C<sub>1</sub> AT THE 1/4 RADIUS C<sub>1</sub> AS SHOWN ABOVE.  
 2. THERE ARE 3 INSTANCES WHERE A SINGLE ADA RAMP LOCATED IN THE CENTER OF THE RADIUS WILL BE ALLOWED. THEY ARE (1) ON RESIDENTIAL STREETS, (2) WHERE STREET GRADE EXCEEDS 4%, OR (3) WHERE UTILITIES ARE IN CONFLICT.  
 3. ADA RAMP SHALL BE SQUARE TO CURB & ROADWAY UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER AND/OR INSPECTOR.  
 4. ACCOMMODATION MUST BE MADE SO PROPOSED ADA RAMPS HAVE A CORRESPONDING RAMP(S) ON THE OPPOSITE SIDE OF THE STREET. IF AN EXISTING RAMP WILL NOT WORK, THEN A NEW ONE WILL HAVE TO BE CONSTRUCTED BEFORE FINAL APPROVAL.  
 5. RAMP SLOPES SHALL NOT EXCEED A RATIO OF 12 HORIZONTAL TO 1 VERTICAL (12H:1V).  
 6. RAMP & APPROACHES SHALL BE CLEAR OF OBSTACLES INCLUDING HYDRANTS, POLES, & DRAINS.  
 7. SEE PLANS FOR SPECIFIED CURB AND GUTTER STYLE (VERTICAL, ROLLED, OR INTEGRAL POUR).  
 8. FELT EXPANSION JOINTS SHALL BE 2" BY 1/2" THICK.  
 9. FOR WIDTHS OF SIDEWALK REFER TO SECTION 3-3-02.  
 10. FOR CURB & SIDEWALK JOINTS REFER TO STANDARD DRAWING 3-03-006.

**DUVALL DESIGN STANDARDS: 2007**

**TYPE II CURB RAMPS FOR USE WITHOUT LANDSCAPE STRIP**

DRAWING NUMBER 3-04-003

**REVISION** BY DATE  
 NEW FORMAT DLC 03-24-11

**City of Duval**

1. CURB RAMPS SHALL BE CONSTRUCTED TWO PER RADIUS ON ALL MAIN AND ARTERIAL STREETS. IF CONSTRUCTING TWO PER RADIUS, SET THE RAMP C<sub>1</sub> AT THE 1/4 RADIUS C<sub>1</sub> AS SHOWN ABOVE.  
 2. THERE ARE 3 INSTANCES WHERE A SINGLE ADA RAMP LOCATED IN THE CENTER OF THE RADIUS WILL BE ALLOWED. THEY ARE (1) ON RESIDENTIAL STREETS, (2) WHERE STREET GRADE EXCEEDS 4%, OR (3) WHERE UTILITIES ARE IN CONFLICT.  
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**DUVALL DESIGN STANDARDS: 2007**

**SIDEWALK END RAMP & LANDSCAPE STRIP CLOSURE**

DRAWING NUMBER 3-04-005

**REVISION** BY DATE  
 NEW FORMAT DLC 03-24-11

**City of Duval**

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**DUVALL DESIGN STANDARDS: 2007**

**TYPICAL CURB AND GUTTER DETAILS AND DIMENSIONS**

DRAWING NUMBER 3-03-002A

**DEFAULT TO VERTICAL CURB & GUTTER IF PLAN DOES NOT SPECIFY**

**TYPICAL VERTICAL CURB AND GUTTER**

**TYPICAL ROLLED CURB AND GUTTER**

**RELATED DETAILS:**

- ALTERNATE CURB STYLES: DETAIL 3-3-002B
- ROAD SECTIONS: DETAIL 3-1-001 THROUGH 3-1-006
- DRIVEWAY REQUIREMENTS: DETAIL 3-3-004 THROUGH 3-3-005
- EXPANSION JOINT REQUIREMENTS: DETAIL 3-03-005B.

**DUVALL DESIGN STANDARDS: 2007**

**CURB, SIDEWALK AND EXPANSION JOINT DETAILS**

DRAWING NUMBER 3-03-005B

**CLARIFICATION OF TERMS:**

- AN EXPANSION JOINT REFERS TO A FULL DEPTH FELT JOINT IN CONCRETE.
- A DUMMY JOINT REFERS TO AN EXPANSION JOINT THAT DOES NOT EXTEND TO THE FULL DEPTH OF THE CONCRETE.
- A TOOL JOINT REFERS TO A GROOVE SCRIBED IN WET CONCRETE AS A CONTROLLED BREAK POINT.

**NOTES:**

- FRESHLY POURED CONCRETE MUST BE COVERED WITH PLASTIC SHEETING FOR 3 DAYS REGARDLESS OF WEATHER.
- ALL CONCRETE WORK MUST BE SMOOTH, STRAIGHT, & APPEALING TO THE EYE.
- ANY CONCRETE REPLACEMENT SHALL BE PERFORMED FROM JOINT TO JOINT - NO PATCHING ALLOWED.
- ALL COMMERCIAL DRIVEWAYS SHALL HAVE AN EXPANSION JOINT LOCATED MID-WIDTH.
- SEE STANDARDS 3-3-01 FOR GENERAL DRIVEWAY REQUIREMENTS.
- SEE CHART ON STANDARDS 3-4-01 FOR ASPHALT SURFACING REQUIREMENTS.

**TOOL JOINT INFORMATION**

NO	DATE	BY	REVISIONS



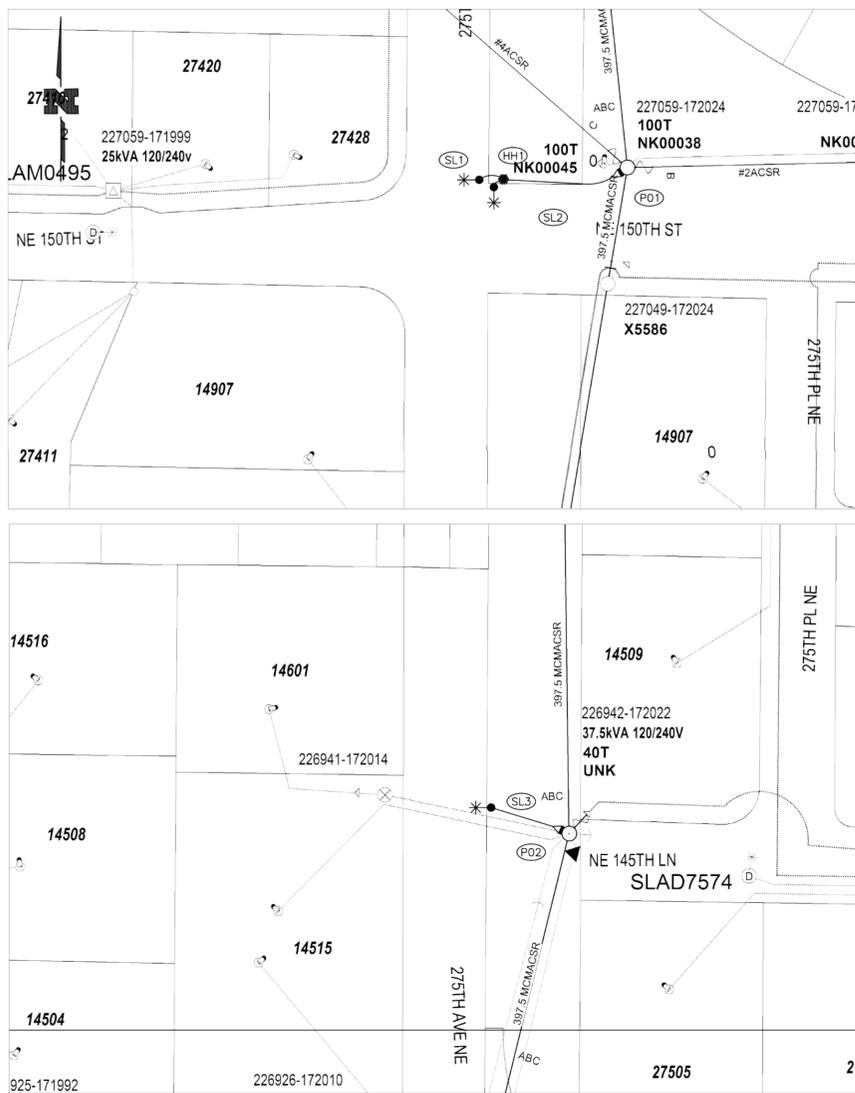
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**SITE PLAN**  
SCALE: 1"=50'

**STREET LIGHT TABLE**

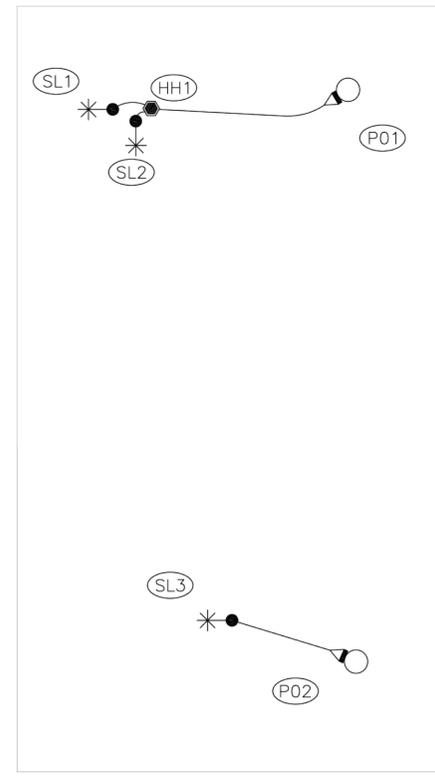
SITE #	GRID #	POLE			LUMINAIRE		TUBE		POLE BASE TYPE (Direct Buried or Basemount)	WO # (INTOLIGHT)	BILLING SCH.	TOTAL CONN LOAD	
		INTOLIGHT TAG #	TYPE	MTG HT.	ARM	WATTS	STYLE	TUBE LENGTH					TUBE DIAMETER
SL1			GREEN FIBER GLASS	25'	6' (GRN)	39W	CHFL 3K T2 LED	5'	18"	DIRECT BURIED	105091053	51	120/240
SL2			GREEN FIBER GLASS	25'	6' (GRN)	39W	CHFL 3K T2 LED	5'	18"	DIRECT BURIED	105091053	51	120/240
SL3			GREEN FIBER GLASS	25'	6' (GRN)	39W	CHFL 3K T2 LED	5'	18"	DIRECT BURIED	105091053	51	120/240

**STREET LIGHT CIRCUITRY TABLE**

SITE #	FROM	CABLE INFO		AS-BUILT		REMARKS
		TYPE	LF	TYPE	LENGTH	
HH1	P01	#6 TPX	95			
SL1	HH1	#6 TPX	15			
SL2	HH1	#6 TPX	15			
SL3	P02	#6 TPX	75			
			TOTAL FT = 200	TOTAL FT =		

**STREET LIGHT HANDHOLE TABLE**

SITE	PEDESTAL OR HANDHOLE	NUMBER OF POSITIONS REQUIRED	REMARKS
HH1	HANDHOLE	3	



**UG CIRCUITRY**  
SCALE: N.T.S.

**SCOPE OF PROJECT:**

**DEVELOPER TO:**  
 -TRENCH AND INSTALL ALL 2" SCH40 CONDUIT  
 -INSTALL 5'X18" PLASTIC CORRUGATED STREET LIGHT TUBE

**POTELCO TO:**  
 -INSTALL RISER AT P01 & P02  
 -INSTALL AND ENERGIZE ALL #6 TPX & HANDHOLE

**AT SITES SL1, SL2, & SL3:**  
 -INSTALL 25'MH GREEN FIBER GLASS POLE  
 -INSTALL NEW 39W CHFL 3000K TYPE 2 LED LUMINAIRES W/ 6' GREEN ARM ON NEW POLE  
 \*ORIENT LIGHTS AS SHOWN

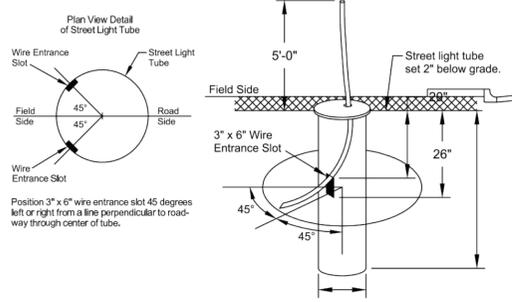
\*\*FLAGGING MAY BE REQUIRED

**STREET LIGHT NOTES**

- POTELCO:**
- ALL STREET LIGHTING POLES ARE TO BE INSTALLED PER STANDARD 6375.4800 (page #2) IN THE "LINE WORK PRACTICES MANUAL".
  - ALL POLES (WOOD, CONCRETE OR FIBERGLASS) ARE TO BE SET PLUMB AND EMBEDDED TO THE GROUND LINE MARKED ON THE POLE.
  - BACKFILL AROUND POLE WITH 5/8" MINUS GRAVEL AND COMPACT IN 6" LIFTS. (PEA GRAVEL AND NATIVE SOILS ARE NOT ACCEPTABLE.) APPROXIMATELY 1 CU. YD. OF 5/8" MINUS CRUSHED ROCK WILL BE REQUIRED.
  - IN ALL SHOEBOX AND COBRAHEAD INSTALLATIONS, THE LUMINAIRE MUST BE LEVELED.

**DEVELOPER/CUSTOMER:**

- THE DEVELOPER IS REQUIRED TO SUPPLY AND INSTALL PLASTIC (NON PAPER) STREET LIGHT TUBES (MINIMUM 18" DIAMETER) TO AID IN THE INSTALLATION OF THE STREET LIGHTING POLES.
- DEVELOPER MUST SUPPLY DURABLE LID/COVER AT EACH STREET LIGHT TUBE.



**STREET LIGHT TUBE DETAIL**  
SCALE: NONE

FOREMAN (CHECK BOX WHEN COMPLETED)

PSE Equipment LOCKED/SECURED & Work Area left in CLEAN/SAFE Condition

Grid, Cable, and Switch numbers INSTALLED & VERIFIED

Field Changes RECORDED on As-built

Material VERIFIED and CHANGES noted on Paperwork

Total PRIMARY Cable noted on As-built

Company ID#s RECORDED in correct location on As-built

Indicate correct FUSE SIZE on As-built & VERIFY proper PHASE

Correct GA Checklists reviewed

Deviations noted on the As-built and their reason.

I certify that the work performed meets PSE's standards and procedures and that all quality requirements are met.

Foreman's Signature \_\_\_\_\_ Date \_\_\_\_\_

PROJECT PHASE	NOTIF#	ORDER#
PWR Superior		
New Install	508918916	105094053
St. Light Removal		
Temporary Job Order		
GAS Distribution		
HP Main		
HP Svc/MS		
CABLE TV		
PHONE		

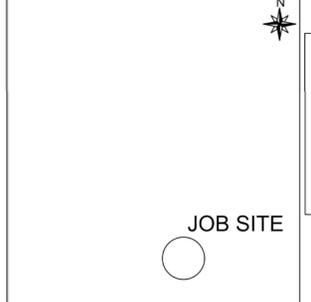
Project Manager Contact Information:  
 Lane Mahler  
 425-429-1356 Cell Phone

"Locates Required" Developer (Yes/No) PSE (Yes/No)

"Outages Required" Yes (No) No (No)

"Flagging Required" Yes (No) No (No)

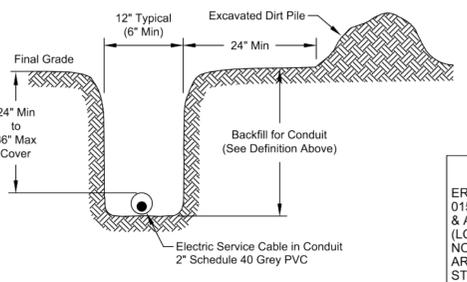
**Vicinity Map TG Pg. ### Grid ##**



**Owner / Developer Contact Info**  
 City of Duvall  
 15535 Main St NE  
 Duvall, WA 98019  
 ATTN: Alana McCoy 425-939-8045 cell

For contacts below dial 1-888-CALL PSE (225-5773)  
 CALL (800) 424-5555  
 2 BUSINESS DAYS BEFORE YOU DIG  
 THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF EXISTING FACILITIES

Backfill for Conduit - Soil that is free from debris, sharp rocks, and rocks larger than 10" in diameter. Backfill shall not damage the conduit.



**EROSION & SEDIMENT CONTROL REQUIREMENTS**

EROSION & SEDIMENT CONTROL SHALL BE PER PSE STANDARD PRACTICE 0150.3200 TECHNIQUES FOR TEMPORARY EROSION & SEDIMENT CONTROL & ANY ADDITIONAL LOCAL JURISDICTION REQUIREMENTS (LOCAL JURISDICTIONS MAY HAVE ADDITIONAL REQUIREMENTS INCLUDING NOTES DETAILING WHERE EROSION OR SEDIMENT CONTROL STRUCTURES ARE TO BE INSTALLED, CROSS SECTION DETAILS OF THE TYPICAL EROSION STRUCTURES, & SPECIAL REQUIREMENTS FOR WORK IN SENSITIVE AREAS.)

**PSE DETAILS**  
**275th Avenue Complete Streets Sidewalk Design**  
 275th Avenue NE  
 Duvall, WA 98019  
 Owner: City of Duvall, WA

**SHEET #:**  
**L2.5**  
 BID DOCUMENTS  
 APRIL 8, 2020

APPROVED FOR CONSTRUCTION

BY: CITY ENGINEER DATE: \_\_\_\_\_

BY: UTILITIES SUPERINTENDENT DATE: \_\_\_\_\_

APPROVAL EXPIRES: \_\_\_\_\_

THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, ENGINEER AND/OR CONTRACTOR.

105094053

**JOB SITE**

NEW BUSINESS	CORRECTIVE / 10 DAY WAIVED	REAL ESTATE/EASEMENT	PERMIT
3		N/A	N/A
2		FUNCTION CONTACT PHONE NO DATE	
1		ACCOUNT MGR Brynja Almazan 253-395-6874	
		ENGR - POWER Kayla Neckoruk 425-577-2392	
REV#	BY DESCRIPTION	ENGR - GAS	
COUNTY	Emer Sect Gas Wk Ctr	POWER WK CTR	4/8/20
KING		3515	
1/4 SEC	OP MAP	PLAT MAP	
U-MAP NO (POWER)	OH CKT MAP	UG CKT MAP	CIRCUIT NO
2606E052	2607E076	N/A	DUV - 12
MAPPING			
JOINT FACILITIES ARRANGEMENTS			
UTILITIES	N/A	N/A	N/A
CONTACT	N/A	N/A	N/A
PHONE#	N/A	N/A	N/A
INCIDENT	MAOP		
Gas Order	Elect Order		
	105094053		
SCALE	PAGE		
1"=50'	1 of 1		



**275TH AVE NE CROSSWALKS**  
 INSTALL NEW STREET LIGHTS  
 275TH AVE NE & NE 150TH ST, DUVALL, WA 98019



**BLUELINE**

15200 52ND AVE. SO., SUITE 210  
SEATTLE, WA 98188  
P: 206.204.0507  
WWW.THEBLUELINEGROUP.COM

SCALE:  
AS NOTED

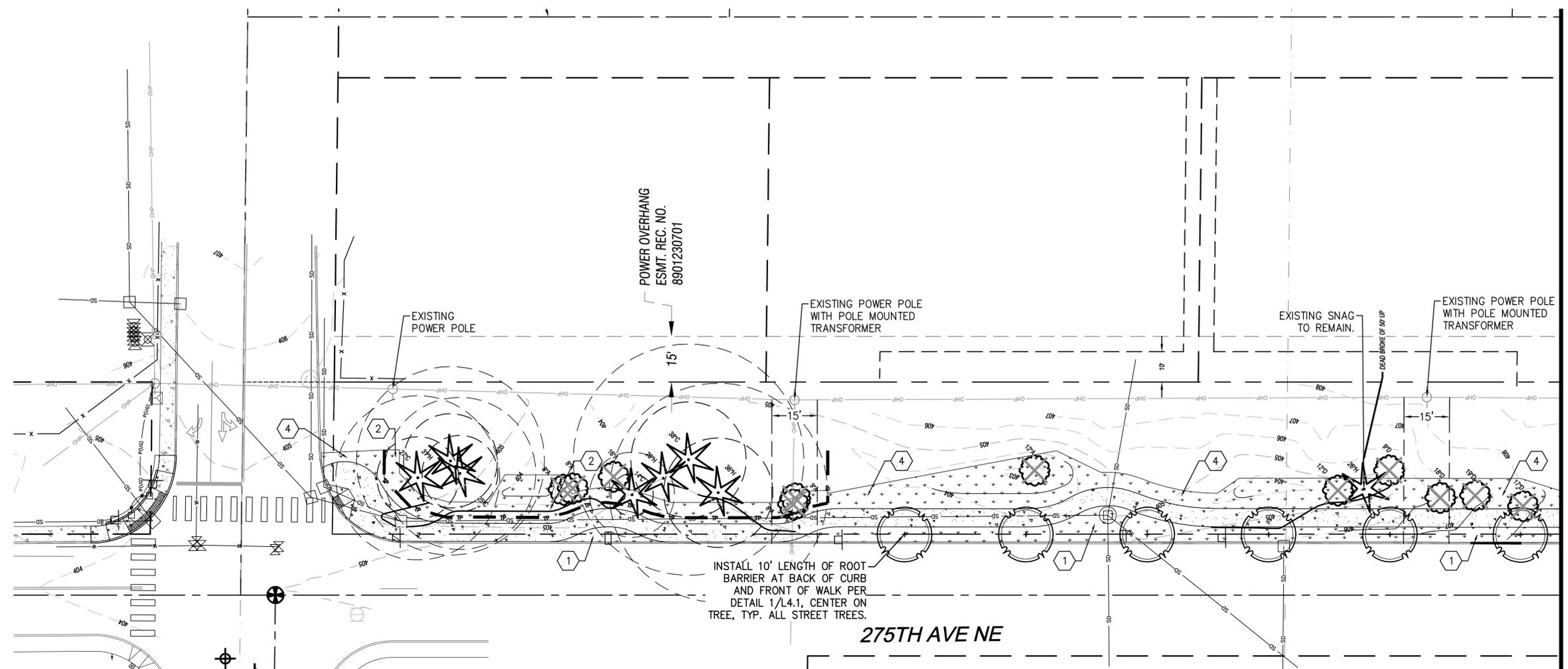
PROJECT MANAGER:  
CHRIS PETERSEN

LANDSCAPE ARCHITECT:  
DANIEL ROBBERN

DRAWN BY:  
DANIEL ROBBERN

ISSUE DATE:  
7/13/2020

NO	DATE	BY	REVISIONS



MATCHLINE - SEE SHEET L3.2

**PLANT SCHEDULE**

TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	9	ACER CIRCINATUM / VINE MAPLE	B & B	6" MIN PLANTED HEIGHT
	24	ACER GRISEUM 'JFS KWABAGRI' / FIREBURST PAPERBARK MAPLE	B & B	2.5" CAL, 8' MIN BRANCH HEIGHT
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
	12	CORNUS SERICEA 'BAILEY' / RED TWIG DOGWOOD	2 GAL	72" o.c.
	29	CORNUS SERICEA 'KELSEY' / KELSEY DOGWOOD	1 GAL	24" o.c.
	17	PHILADELPHUS X VIRGINALIS / MOCK ORANGE	2 GAL	60" o.c.
	18	PHYSOCARPUS CAPITATUS / PACIFIC NINEBARK	2 GAL	48" o.c.
SOD/SEED	QTY	BOTANICAL / COMMON NAME	CONT	SEED
	16,196 SF	TURF SEED / DROUGHT TOLERANT FESCUE-RYE BLEND	SEED	

**SOIL PREPARATION NOTES:**

1. PLANTER STRIP: LOOSEN EXISTING TOPSOIL BY ROTOTILLING OR RIPPING TO A DEPTH OF 12", ADD 6" OF 3-WAY TOPSOIL AND INCORPORATE TO A DEPTH OF 6". PREPARE FOR SEEDING PER SECTION 329300-3.3.
2. TREE PROTECTION AREAS: FINE GRADE AND PREPARE AREAS CLEARED OF VEGETATION FOR SEEDING PER SECTION 329300-3.3.
3. SHRUB PLANTING AREAS: AMEND SOIL IN CLEARED AREAS TO RECEIVE SHRUBS WITH 3" OF COMPOST PER SWMMWW BMP T5.13 AND PREPARE FOR PLANTING PER 329300.
4. SEEDED AREAS: FINE GRADE AND PREPARE AREAS CLEARED OF VEGETATION FOR SEEDING PER SECTION 329300-3.3. ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED PER SWMMWW BMP T5.13.
5. ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY OF ANY KIND, INCLUDING STORAGE OF MATERIALS, SHALL RECEIVE FULL SUBGRADE PREPARATION INCLUDING COMPOST AND HYDROSEEDING PER SWMMWW BMP T5.13.



APPROVED FOR CONSTRUCTION

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CITY ENGINEER

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
UTILITIES SUPERINTENDENT

APPROVAL EXPIRES: \_\_\_\_\_  
ERRORS OR OMISSIONS ARE THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, ENGINEER AND/OR CONTRACTOR.

**LANDSCAPE PLAN**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
 275th Avenue NE  
 Duval, WA 98019  
 Owner: City of Duval, WA



JOB NUMBER:  
**19-089**

SHEET #:  
**L3.1**

BID DOCUMENTS  
APRIL 8, 2020

22x34 Jul 13, 2020 - 3:02pm - User: drobbern L: \\Projects\19-089-275th Ave NE Complete Streets - Duval, WA\04 - Construction Documents\19089 - L3.X Landscape Plan.dwg © 2020 THE BLUELINE GROUP





**BLUELINE**

15200 52ND AVE. SO., SUITE 210  
SEATTLE, WA 98188  
P: 206.204.0507  
WWW.THEBLUELINEGROUP.COM

SCALE:

AS NOTED

PROJECT MANAGER:  
**CHRIS PETERSEN**

LANDSCAPE ARCHITECT:  
**DANIEL ROBBERN**

DRAWN BY:  
**DANIEL ROBBERN**

ISSUE DATE:  
**7/13/2020**

NO	DATE	BY	REVISIONS

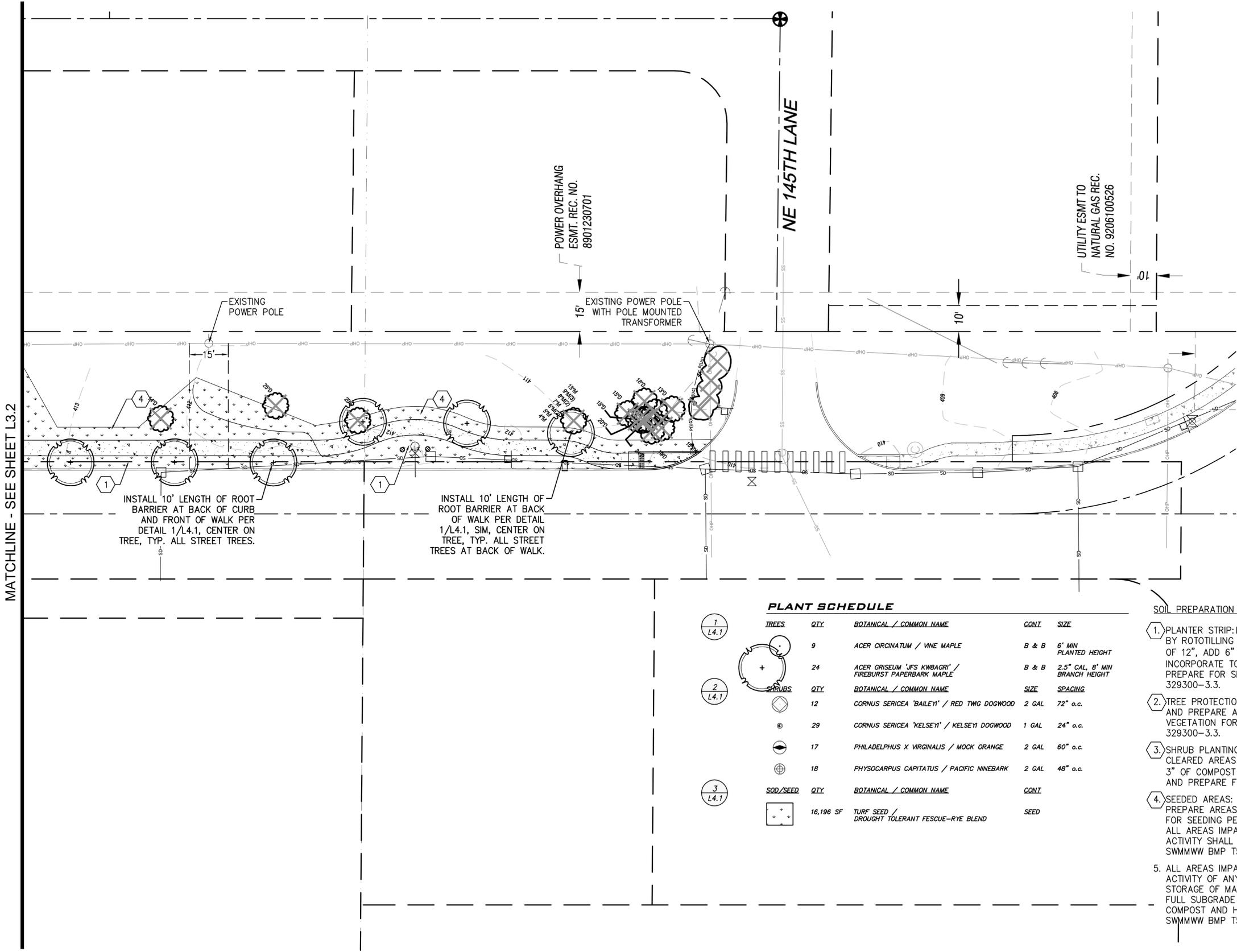
**LANDSCAPE PLAN**  
**275th Avenue Complete Streets**  
**Sidewalk Design**  
 275th Avenue NE  
 Duvall, WA 98019  
 Owner: City of Duvall, WA



JOB NUMBER:  
**19-089**

SHEET #:  
**L3.3**

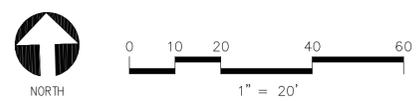
BID DOCUMENTS  
APRIL 8, 2020



**PLANT SCHEDULE**

TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	9	ACER CIRCINATUM / VINE MAPLE	B & B	6" MIN PLANTED HEIGHT
	24	ACER GRISEUM 'IFS KWBAGRI' / FIREBURST PAPERBARK MAPLE	B & B	2.5" CAL, 8' MIN BRANCH HEIGHT
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SOD/SEED	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	16,196 SF	TURF SEED / DROUGHT TOLERANT FESCUE-RYE BLEND	SEED	

- SOIL PREPARATION NOTES:**
1. PLANTER STRIP: LOOSEN EXISTING TOPSOIL BY ROTOTILLING OR RIPPING TO A DEPTH OF 12", ADD 6" OF 3-WAY TOPSOIL AND INCORPORATE TO A DEPTH OF 6". PREPARE FOR SEEDING PER SECTION 329300-3.3.
  2. TREE PROTECTION AREAS: FINE GRADE AND PREPARE AREAS CLEARED OF VEGETATION FOR SEEDING PER SECTION 329300-3.3.
  3. SHRUB PLANTING AREAS: AMEND SOIL IN CLEARED AREAS TO RECEIVE SHRUBS WITH 3" OF COMPOST PER SWMMWW BMP T5.13 AND PREPARE FOR PLANTING PER 329300.
  4. SEEDED AREAS: FINE GRADE AND PREPARE AREAS CLEARED OF VEGETATION FOR SEEDING PER SECTION 329300-3.3. ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED PER SWMMWW BMP T5.13.
  5. ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY OF ANY KIND, INCLUDING STORAGE OF MATERIALS, SHALL RECEIVE FULL SUBGRADE PREPARATION INCLUDING COMPOST AND HYDROSEEDING PER SWMMWW BMP T5.13.



APPROVED FOR CONSTRUCTION

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CITY ENGINEER

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
UTILITIES SUPERINTENDENT

APPROVAL EXPIRES: \_\_\_\_\_  
ERRORS OR OMISSIONS ARE THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, ENGINEER AND/OR CONTRACTOR.

NO	DATE	BY	REVISIONS

ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

**SOIL QUALITY:**

A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BED, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 AND 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. USE COMPOST AND OTHER MATERIALS THAT MEET THE COMPOST GUIDELINES.

**SOIL DEPTH:**

THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4-INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS WHERE FEASIBLE. PLANTING BEDS SHOULD HAVE 2-INCHES OF ORGANIC MATERIAL AS WELL.

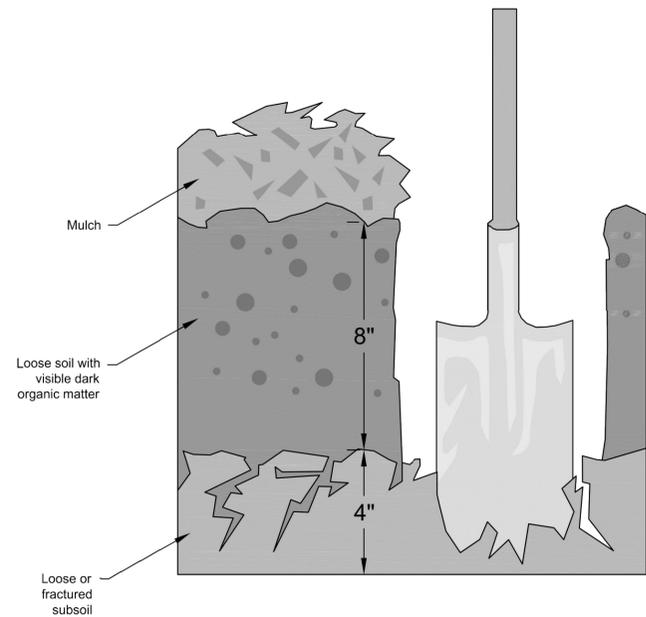
**COMPOST GUIDELINES:**

MUST MEET THE DEFINITION OF "COMPOSTED MATERIAL" IN WAC 173-350-100 AND COMPLIES WITH TESTING PARAMETERS AND OTHER STANDARDS IN WAC 173-350-220. MUST BE PRODUCED AT A PERMITTED COMPOSTING FACILITY. ORGANIC MATTER CONTENT SHALL BE 40% TO 65%. CARBON TO NITROGEN RATION MUST BE LESS THAN 25:1. THE C:N RATION MAY BE UP TO 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PUGET SOUND LOWLAND NATIVE SPECIES AND UP TO 40:1 FOR COARSE COMPOST TO BE USED AS A SURFACE MULCH (NOT IN A SOIL MIX).

**IMPLEMENTATION OPTIONS:**

1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
2. AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.



Reprinted from *Guidelines and Resources For Implementing Soil Quality and Depth BMP T5.13* in *WDOE Stormwater Management Manual for Western Washington*, 2010, Washington Organic Recycling Council

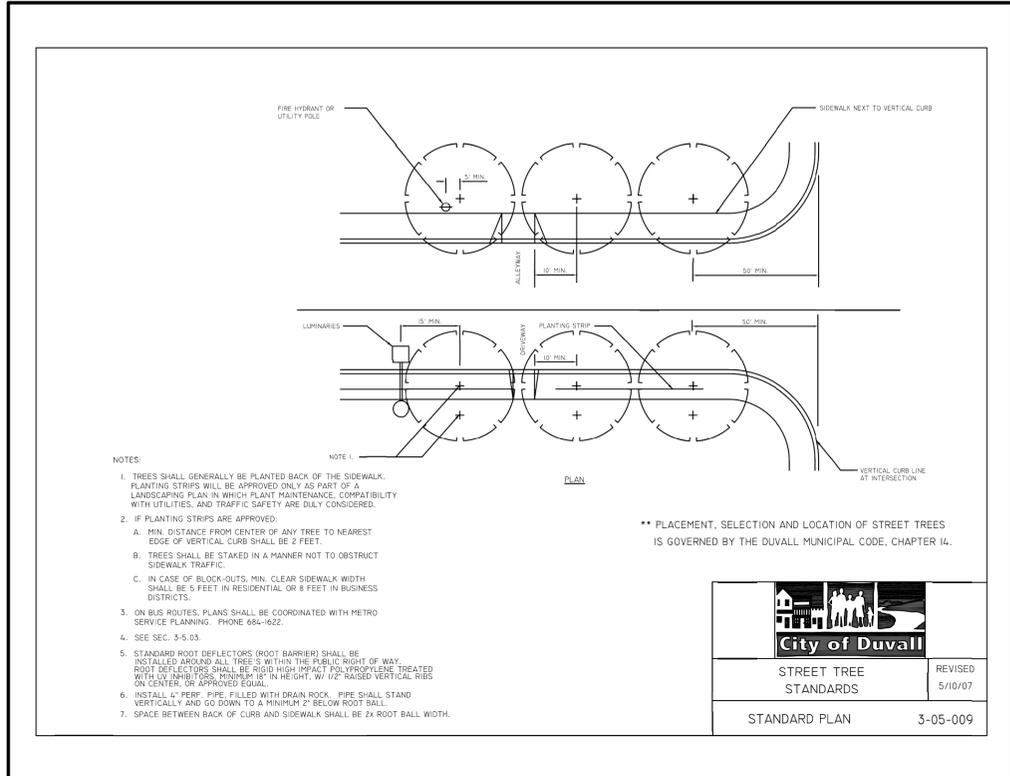
NOT TO SCALE

**Figure V-5.3.3**  
**Planting Bed Cross-Section**

Revised January 2016



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NOTES:

1. TREES SHALL GENERALLY BE PLANTED BACK OF THE SIDEWALK. PLANTING STRIPS WILL BE APPROVED ONLY AS PART OF A LANDSCAPING PLAN IN WHICH PLANT MAINTENANCE, COMPATIBILITY WITH UTILITIES, AND TRAFFIC SAFETY ARE DULY CONSIDERED.
2. IF PLANTING STRIPS ARE APPROVED:
  - A. MIN. DISTANCE FROM CENTER OF ANY TREE TO NEAREST EDGE OF VERTICAL CURB SHALL BE 2 FEET.
  - B. TREES SHALL BE STAKED IN A MANNER NOT TO OBSTRUCT SIDEWALK TRAFFIC.
  - C. IN CASE OF BLOCK-OUTS, MIN. CLEAR SIDEWALK WIDTH SHALL BE 5 FEET IN RESIDENTIAL OR 8 FEET IN BUSINESS DISTRICTS.
3. ON BUS ROUTES, PLANS SHALL BE COORDINATED WITH METRO SERVICE PLANNING. PHONE 656-1622.
4. SEE SEC. 3-5.03.
5. STANDARD ROOT DEFLECTORS (ROOT BARRIER) SHALL BE INSTALLED AROUND ALL TREES WITHIN THE PUBLIC RIGHT OF WAY. ROOT DEFLECTORS SHALL BE RIGID HIGH IMPACT POLYPROPYLENE TREATED WITH AN INHIBITOR MINIMUM 18" IN HEIGHT, W/ 1/2" RAISED VERTICAL RIBS ON CENTER, OR APPROVED EQUAL.
6. INSTALL 1/2" PER" PIPE FILLED WITH DRAIN ROCK. PIPE SHALL STAND VERTICALLY AND GO DOWN TO A MINIMUM 2" BELOW ROOT BALL.
7. SPACE BETWEEN BACK OF CURB AND SIDEWALK SHALL BE 2X ROOT BALL WIDTH.

\*\* PLACEMENT, SELECTION AND LOCATION OF STREET TREES IS GOVERNED BY THE DUVALL MUNICIPAL CODE, CHAPTER 14.

City of Duval

STREET TREE STANDARDS

REVISOR: 5/10/07

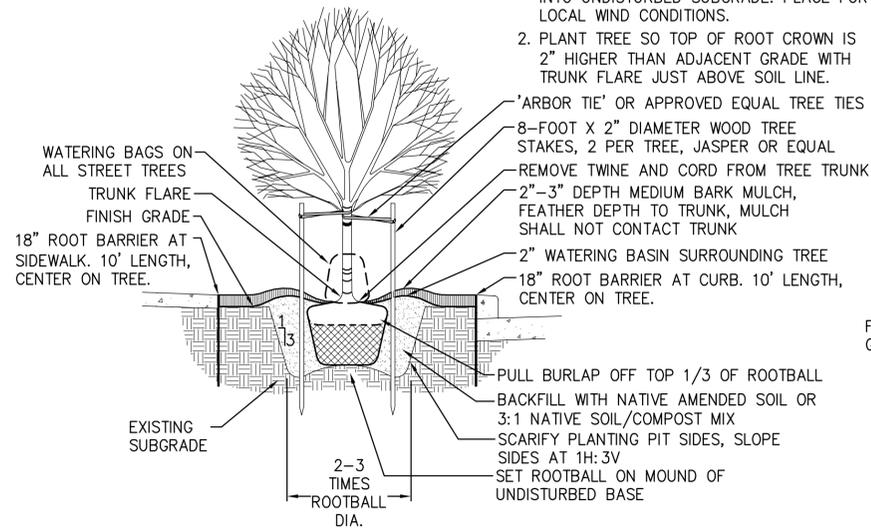
STANDARD PLAN 3-05-009

**GENERAL PLANTING NOTES**

1. LANDSCAPE CONTRACTOR SHALL VERIFY LOCATION OF ALL SITE UTILITIES PRIOR TO LANDSCAPE IMPLEMENTATION. PLANT LOCATIONS MAY BE ADJUSTED TO AVOID CONFLICT.
2. LANDSCAPE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING SITE IMPROVEMENTS, PAVING, WALLS, AND UNDERGROUND UTILITIES. DAMAGE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AND AT NO ADDITIONAL COST.
3. PLANT COUNT IS FOR THE CONTRACTOR'S CONVENIENCE; IF THERE IS A DISCREPANCY, THE PLAN SHALL GOVERN. ACTUAL PLANT QUANTITIES TO BE DETERMINED BY REQUIRED PLANT SPACING.
4. SUBSTITUTION OF PLANT VARIETIES DUE TO LACK OF AVAILABILITY SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT.
5. FINISH GRADE OF MULCHED LANDSCAPE AREAS SHALL BE GRADED TO 1/2" MAX. BELOW CONCRETE OR OTHER PAVED SURFACES.
6. ALL LANDSCAPE AREAS ARE TO BE MAINTAINED BY A LICENSED PROFESSIONAL LANDSCAPE MAINTENANCE COMPANY.
7. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR MINIMUM FROM SUBSTANTIAL COMPLETION TO INCLUDE ONE FULL GROWING SEASON (THROUGH SEPT. 30).
8. ALL AREAS LEFT UNPLANTED SHALL BE DRESSED WITH 3" DEPTH BARK MULCH.
9. ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY OF ANY KIND, INCLUDING STORAGE OF MATERIALS, SHALL RECEIVE FULL SUBGRADE PREPARATION INCLUDING COMPOST AND HYDROSEEDING PER SWMMWW BMP T5.13.

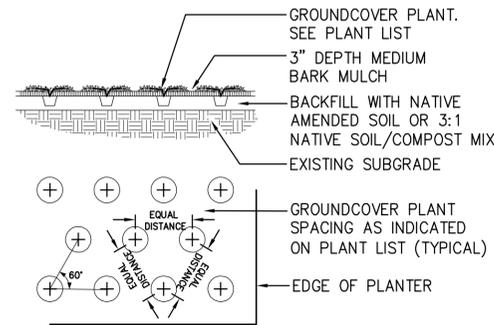
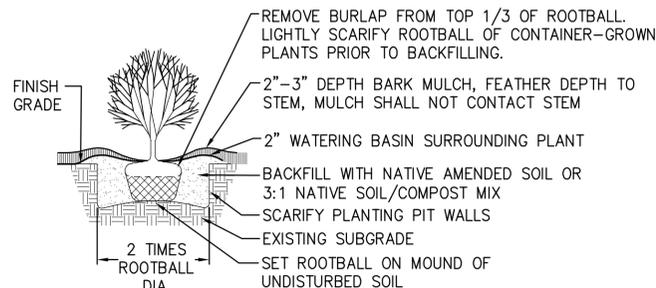
**NOTES:**

1. TREE STAKES TO BE VERTICAL, PARALLEL, EVEN-TOPPED, UNSCARRED AND DRIVEN INTO UNDISTURBED SUBGRADE. PLACE FOR LOCAL WIND CONDITIONS.
2. PLANT TREE SO TOP OF ROOT CROWN IS 2" HIGHER THAN ADJACENT GRADE WITH TRUNK FLARE JUST ABOVE SOIL LINE.



**NOTE:**

PLANT TREE SO TOP OF ROOT CROWN IS 1" HIGHER THAN ADJACENT GRADE.



**1 DECIDUOUS STREET TREE PLANTING**

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

**2 SHRUB TREE PLANTING**

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

**3 GROUND COVER PLANTING**

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

APPROVED FOR CONSTRUCTION

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CITY ENGINEER

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

UTILITIES SUPERINTENDENT

APPROVAL EXPIRES: \_\_\_\_\_

ERRORS OR OMISSIONS ARE THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, ENGINEER AND/OR CONTRACTOR.

**LANDSCAPE DETAILS AND NOTES**  
275th Avenue Complete Streets  
Sidewalk Design  
275th Avenue NE  
Duvall, WA 98019  
Owner: City of Duval, WA



JOB NUMBER:  
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SHEET #:  
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BID DOCUMENTS  
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