

**City of Duvall**

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# CITY OF DUVALL

## 3RD AVENUE NE RECONSTRUCTION

30% REVIEW SUBMITTAL

FEBRUARY, 2023

**MAYOR**

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**CITY COUNCIL**

JOHN ISAACSON

RICK SHAFFER

AMY McHENRY

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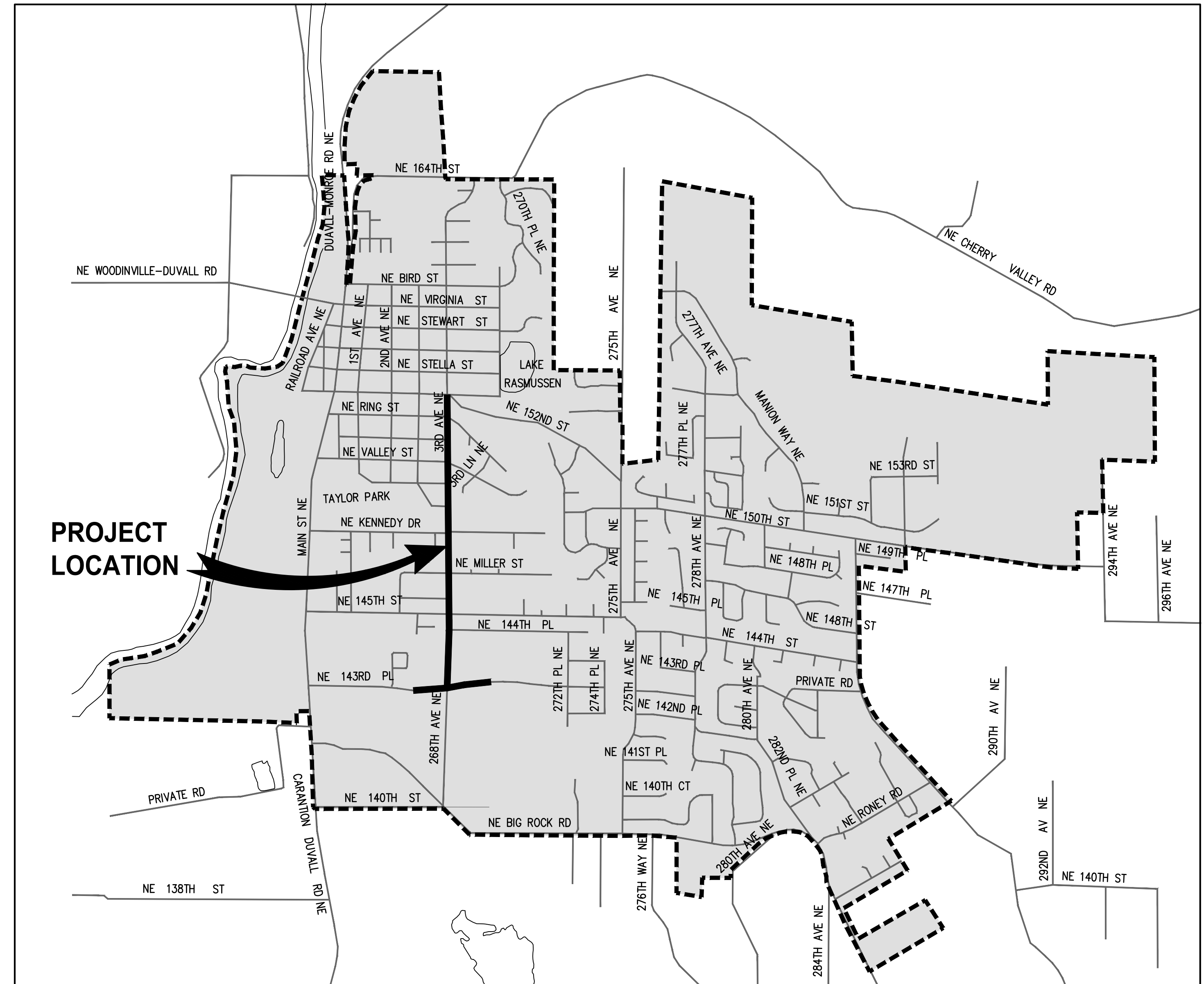
JENNIFER KNAPLUND

COREY LOVETT

**SCHEDULE OF DRAWINGS**

SHEET NO.	TITLE
1	COVER
2	LEGEND AND ABBREVIATIONS
3-4	SHEET INDEX, ALIGNMENT PLAN, & SURVEY CONTROL
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*	SITE PREPARATION & TESC DETAILS
*	TREE PRESERVATION PLANS
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*	RETAINING WALL DETAILS
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*	INTERSECTION & CURB RAMP PLANS
45-54	ILLUMINATION PLANS
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*	IRRIGATION PLANS
*	IRRIGATION DETAILS
57-62	URBAN DESIGN PLANS
*	URBAN DESIGN DETAILS
63-68	LANDSCAPE PLANS
69-70	LANDSCAPE DETAILS
71-76	JOINT UTILITY TRENCH PLAN
*	JOINT UTILITY TRENCH DETAILS
77-82	CHANNELIZATION & SIGNING PLANS

\*NOT INCLUDED IN THIS SUBMITTAL

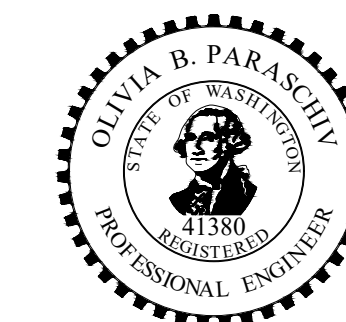


**PROJECT LOCATION**

PROJECT LOCATION



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**APPROVED FOR CONSTRUCTION:**

\_\_\_\_\_  
STEVEN LENISZEWSKI, P.E. DATE  
PUBLIC WORKS DIRECTOR  
CITY OF DUVALL

**EXISTING LEGEND**

MIC  MONUMENT IN CASE	① TELEPHONE MANHOLE	— P — PAINTED POWER
MON  SURFACE MONUMENT	T  TELEPHONE RISER	— T — PAINTED TELEPHONE
RC  REBAR & CAP	 TELEPHONE VAULT LID	— FO — PAINTED FIBER OPTIC
 SPOT SHOT (DESCRIBED)	 TELEPHONE POLE	— TV — PAINTED TV
 CATCH BASIN	 TV VAULT LID	— W — PAINTED WATER
 STORM DRAIN MANHOLE	 FIBER OPTIC MANHOLE	— G — PAINTED GAS
 YARD DRAIN	 GAS VALVE	— SD — STORM
 DOWNSPOUT	 GAS METER	— S — SEWER
SD  STORM DRAIN CLEAN-OUT	 WATER VALVE	— x — x — x — FENCE
 SEWER MANHOLE	 WATER METER	 HEDGE (HEIGHT NOTED)
SS  SEWER CLEAN-OUT	 WATER MANHOLE	 BUILDING
 POWER POLE	 FIRE HYDRANT	— — — PAINTED STRIPE
 POWER POLE WITH UG CONNECT	 FIRE DEPARTMENT CONNECT	· · · · · RAISED-BUTTON SOLID STRIPE
 POWER VAULT LID	 UTILITY VAULT LID (GENERIC/UNKNOWN)	· · · · · RAISED-BUTTON SKIP STRIPE
 POWER TRANSFORMER	 UTILITY ACCESS (GENERIC/UNKNOWN)	— — — EDGE OF PAVEMENT
 POWER METER	 BORE SITE (WITH FIELD DESCRIPTION)	- - - - - FLOWLINE
 POWER OUTLET	 BOULDER	— — — CONTOUR
 GUY ANCHOR	 SIGN	— — — EXISTING RIGHT-OF-WAY LINE
 TRAFFIC SIGNAL WITH LUMINAIRE	 MAILBOX	— — — PROPERTY LINE
 PEDESTRIAN SIGNAL	 SHRUB	 CONCRETE
 JUNCTION BOX TYPE 1, 2, 3	 GRASS	 GRAVEL
 TRAFFIC CONTROL CABINET	 DT12(3) DECIDUOUS TREE, DIAM. IN INCHES (# OF TRUNKS)	 BRICK
 TRAFFIC SERVICE CABINET	 CT12(3) CONIFEROUS TREE, DIAM. IN INCHES (# OF TRUNKS)	 METAL GRATE
 TRAFFIC ATTENUATOR LOOP		
 STREET LIGHT (LUMINAIRE)		
 LOT LIGHT		
 YARD LIGHT		

**ABBREVIATIONS**

AC ASPHALT CONCRETE	MH MANHOLE
ACP ASPHALT CONCRETE PAVEMENT	MIC MONUMENT IN CASE
ADA AMERICANS WITH DISABILITIES ACT	MJ MECHANICAL JOINT
AP ANGLE POINT	MON MONUMENT
APPROX APPROXIMATE	N NORTH OR NORTHING
BLDG BUILDING	NAVD NORTH AMERICAN VERTICAL DATUM NUMBER
CB CATCH BASIN	NO NUMBER
CCP CEMENT CONCRETE PAVEMENT	NTS NOT TO SCALE
CDF CONTROLLED DENSITY FILL	OC ON CENTER
CHLK CHAINLINK	OD OUTSIDE DIAMETER
CL CENTERLINE	PC POINT OF CURVE
CL CLASS	PCC POINT OF COMPOUND CURVATURE
CO CLEANOUT	PCCP PERVIOUS CEMENT CONCRETE PAVEMENT
COD CITY OF DUVALL	PI POINT OF INTERSECTION
COL COLUMN CONC CONCRETE	POB POINT OF BEGINNING
CSBC CRUSHED SURFACING BASE COURSE	POE POINT OF ENDING
CSTC CRUSHED SURFACING TOP COURSE	PRC POINT OF REVERSE CURVATURE
DI DUCTILE IRON	PT POINT OF TANGENT
DIA DIAMETER	PVC POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
DW DRIVEWAY	PVT POINT OF VERTICAL TANGENT
E EAST OR EASTING	PVI POINT OF VERTICAL INTERSECTION
EA EACH	R RADIUS
ELEV ELEVATION	ROW RIGHT OF WAY
EOP EDGE OF PAVEMENT	RT RIGHT
EW EACH WAY	S SLOPE OR SOUTH
EXIST EXISTING	SD STORM DRAIN
FF FINISHED FLOOR	SDMH STORM DRAIN MANHOLE
FL FLOW LINE	SE SOUTHEAST
FO FIBER OPTIC	SHT SHEET
FOC FACE OF CURB	SQ SQUARE
HMA HOT MIX ASPHALT	SS SANITARY SEWER
HORIZ HORIZONTAL	SSMH SANITARY SEWER MANHOLE
HP HIGH POINT	ST STREET
ID INSIDE DIAMETER	STA STATION
IE INVERT ELEVATION	STD STANDARD
IN INCH/INCHES	STCR STRUCTURE
JB JUNCTION BOX	SW SOUTHWEST
L LENGTH LT LEFT	TYP TYPICAL
LF LINEAR FEET	VERT VERTICAL
LP LOW POINT	W WEST
MAX MAXIMUM	YD YARD DRAIN
MIN MINIMUM	

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NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

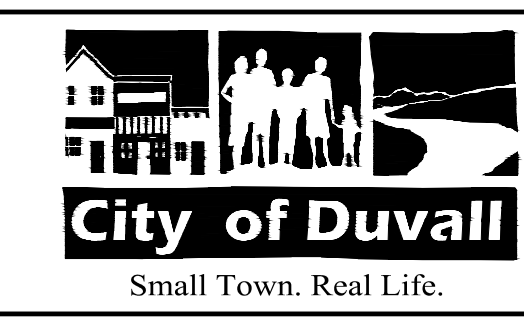
21078COV.dwg	FILENAME
JRW	DESIGNED BY
02/2023	DATE
KAB	DRAWN BY
02/2023	DATE
OBP	CHECKED BY
02/2023	DATE



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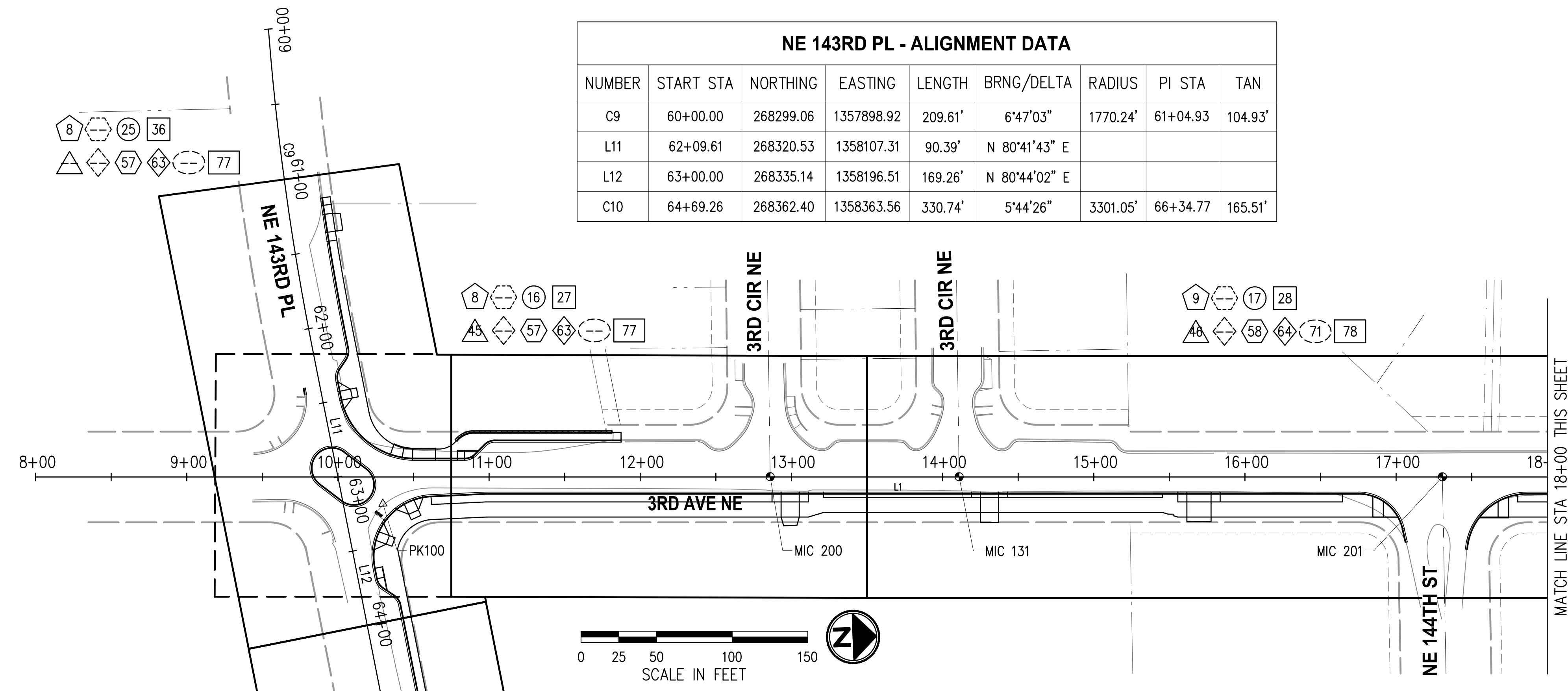


**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**LEGEND AND ABBREVIATIONS**

KPG PROJECT No. 21078	SHT <u>2</u> OF <u>82</u>
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NE 143RD PL - ALIGNMENT DATA								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
C9	60+00.00	268299.06	1357898.92	209.61'	6°47'03"	1770.24'	61+04.93	104.93'
L11	62+09.61	268320.53	1358107.31	90.39'	N 80°41'43" E			
L12	63+00.00	268335.14	1358196.51	169.26'	N 80°44'02" E			
C10	64+69.26	268362.40	1358363.56	330.74'	5°44'26"	3301.05'	66+34.77	165.51'

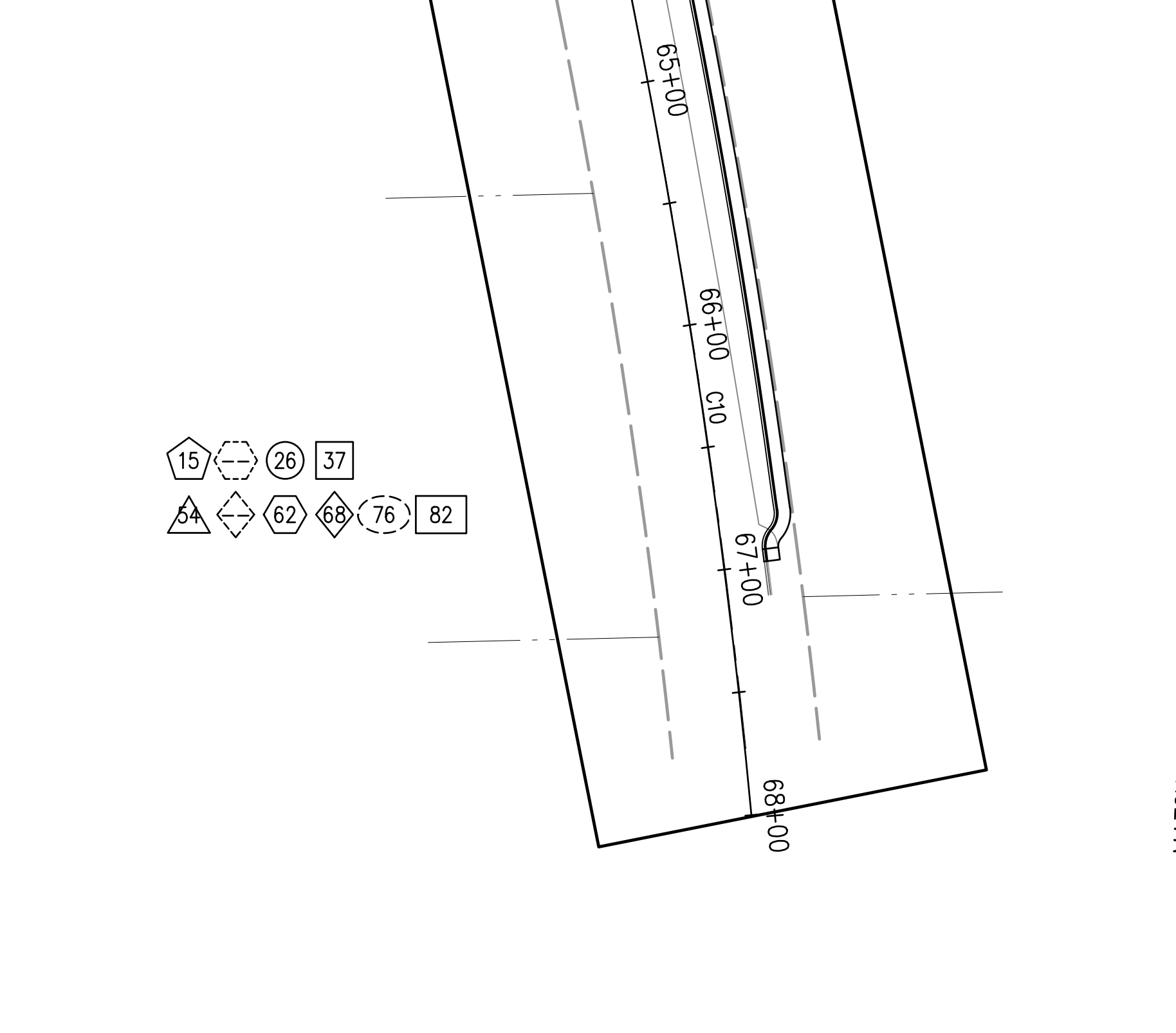
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##	ROADWAY PLAN & PROFILES
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##	ILLUMINATION PLANS
##	IRRIGATION PLANS
##	URBAN DESIGN PLANS
##	LANDSCAPE PLANS
##	JOINT UTILITY TRENCH PLANS
##	CHANNELIZATION & SIGNING PLANS

- NOTES**
- THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN INCLUDE FIELD-TIED MONUMENTATION, PLATS, COUNTY RECORDS OF SURVEY, AND AUDITOR INDEXING INFORMATION.
  - THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.  
  
THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL LOCATOR SERVICES SHOULD BE CONTACTED PRIOR TO ANY CONSTRUCTION OR SUBSURFACE EXPLORATION. CALL 1-800-424-5555.
  - FIELD SURVEY: KPG, OCTOBER/NOVEMBER, 2021. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
  - CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
  - STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.
  - THE LOCATIONS AND DIMENSIONS OF UNDERGROUND VAULTS HAVE NOT BEEN VERIFIED AND ARE APPROXIMATE.

**HORIZONTAL AND VERTICAL DATUM**

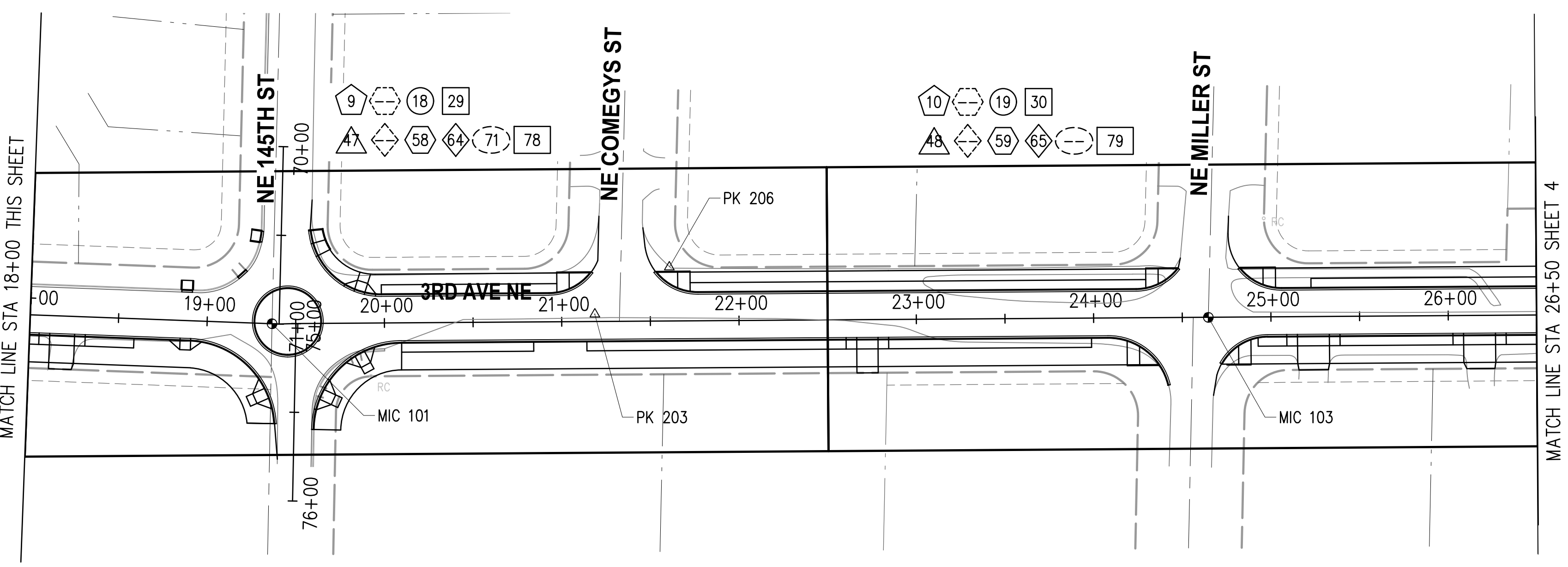
HORIZONTAL DATUM: NAD 83/11  
 VERTICAL DATUM: NAVD 88

HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY [RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK) WITH CHECKS TO WSDOT CONTROL POINT "FUNK", ID1244]



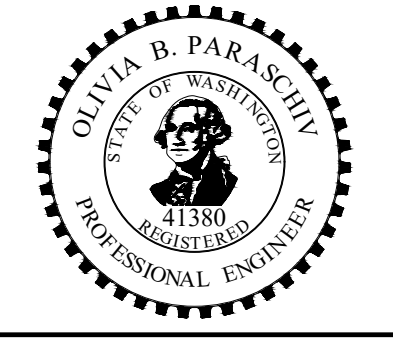
3RD AVE NE - ALIGNMENT DATA								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
L1	8+00.00	268135.25	1358189.84	1140.63'	N 1°54'37" E			

CONTROL POINT LIST				
PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
100	PK	268364.29	1358215.23	260.30'
101	MIC	269271.25	1358227.73	268.83'
103	MIC	269799.30	1358222.22	252.38'
131	MIC	268745.81	1358210.06	268.82'
200	MIC	268620.88	1358205.89	267.84'
201	MIC	269065.34	1358220.80	271.08'
203	PK	269453.27	1358221.61	266.82'
206	PK	269495.18	1358194.95	263.93'

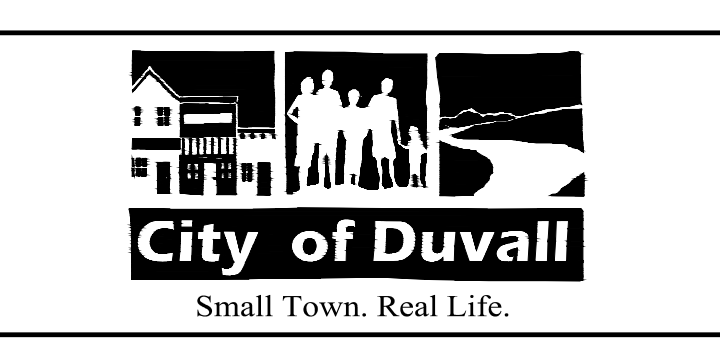


NO.	DATE	BY	APPR.	REVISIONS

Approved By		21078INDX.dwg
ENGINEERING MANAGER	DATE	JRW 02/2023
PROJECT MANAGER	DATE	KAB 02/2023
PROJECT ENGINEER	DATE	OBP 02/2023
	CHECKED BY	DATE



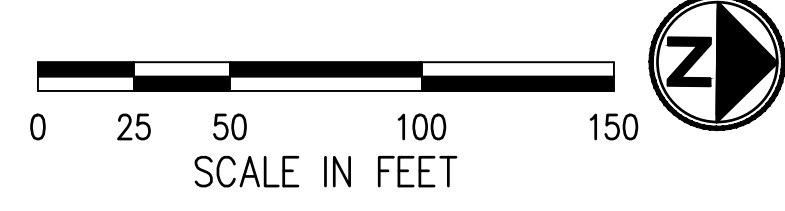
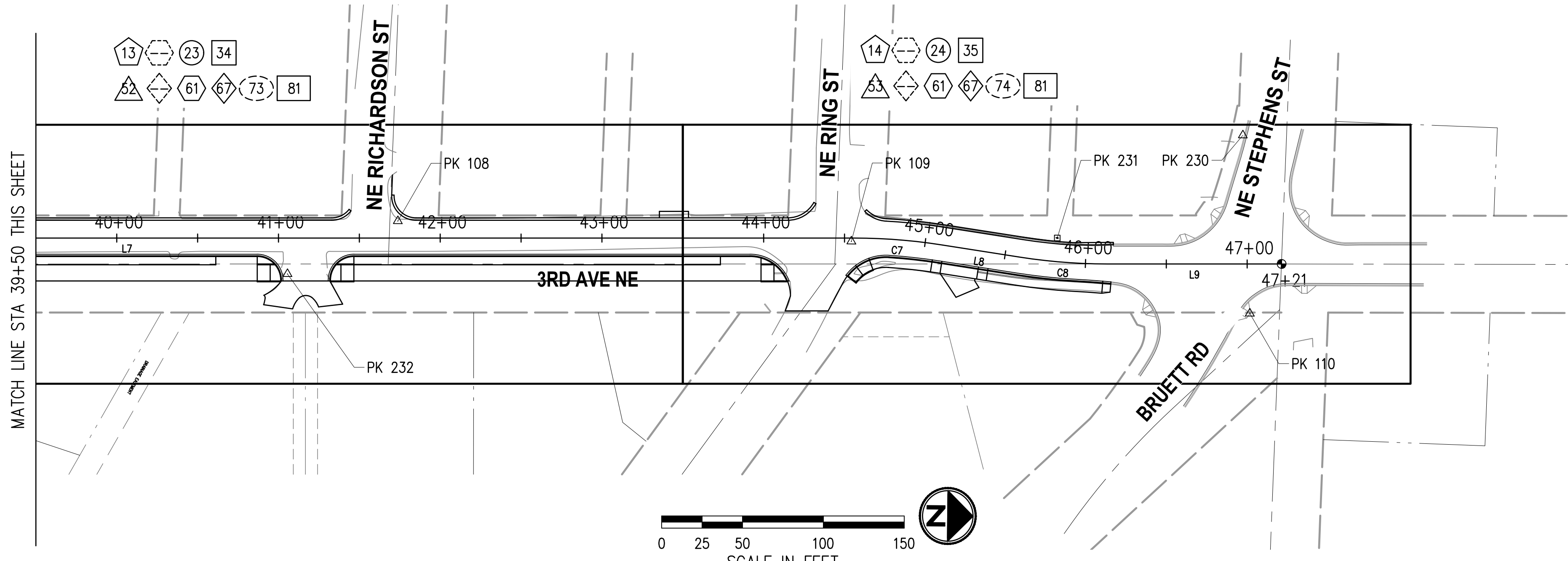
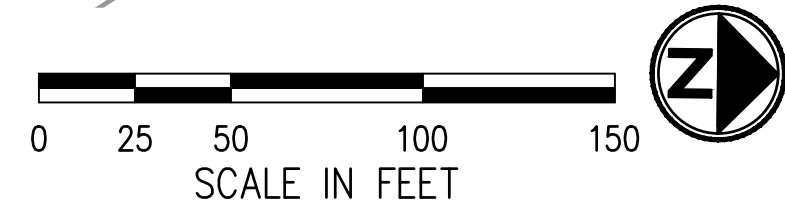
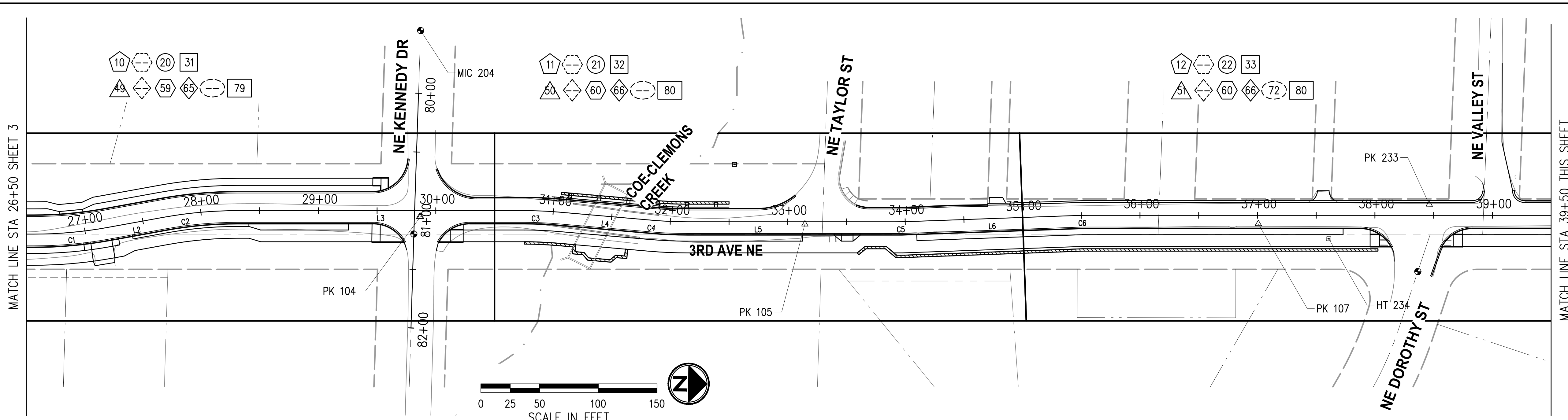
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

SHEET INDEX, ALIGNMENT PLAN, & SURVEY CONTROL	
KPG PROJECT No. 21078	SHT <u>3</u> OF <u>82</u>

SHEET INDEX	
##	SITE PREPARATION & TESC PLANS
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CONTROL POINT LIST				
PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
104	PK	270319.94	1358201.65	235.14'
105	PK	270647.23	1358204.64	227.55'
107	PK	271033.19	1358200.22	229.69'
108	PK	271506.07	1358177.44	228.13'
109	PK	271786.63	1358187.01	233.74'
110	PK	272033.46	1358228.94	239.71'
204	MIC	270318.37	1358043.19	238.08'
230	PK	272027.98	1358118.92	226.85'
231	PK	271913.91	1358183.55	235.06'
232	PK	271438.20	1358210.83	230.19'
233	PK	271178.54	1358182.11	226.51'
234	HT	271093.36	1358212.33	229.98'

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3RD AVE NE - ALIGNMENT DATA								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
C1	26+56.34	269990.92	1358220.07	62.86'	10°17'24"	350.00'	26+87.86	31.51'
L2	27+19.20	270053.38	1358213.78	48.94'	N 10°53'58" W			
C2	27+68.14	270101.43	1358204.52	62.86'	10°17'24"	350.00'	27+99.65	31.51'
L3	28+31.00	270163.89	1358198.23	244.28'	N 0°36'35" W			
C3	30+75.27	270408.15	1358195.63	30.49'	4°59'26"	350.00'	30+90.53	15.25'
L4	31+05.76	270438.61	1358196.63	78.66'	N 4°22'51" E			
C4	31+84.42	270517.04	1358202.64	30.49'	4°59'26"	350.00'	31+99.67	15.25'
L5	32+14.90	270547.50	1358203.64	175.99'	N 0°36'35" W			

3RD AVE NE - ALIGNMENT DATA								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
C5	33+90.90	270723.48	1358201.77	12.53'	2°03'07"	350.00'	33+97.17	6.27'
L6	34+03.43	270736.01	1358201.41	141.07'	N 2°39'42" W			
C6	35+44.51	270876.93	1358194.86	12.54'	2°03'08"	350.00'	35+50.77	6.27'
L7	35+57.04	270889.46	1358194.51	898.85'	N 0°36'34" W			
C7	44+55.89	271788.26	1358184.94	54.31'	8°53'24"	350.00'	44+83.10	27.21'
L8	45+10.20	271842.39	1358188.57	49.11'	N 8°16'50" E			
C8	45+59.31	271890.99	1358195.65	54.31'	8°53'25"	350.00'	45+86.52	27.21'
L9	46+13.62	271945.12	1358199.28	107.59'	N 0°36'35" W			

**HORIZONTAL AND VERTICAL DATUM**

HORIZONTAL DATUM: NAD 83/11  
 VERTICAL DATUM: NAVD 88

HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY [RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK) WITH CHECKS TO WSDOT CONTROL POINT "FUNK", ID1244]

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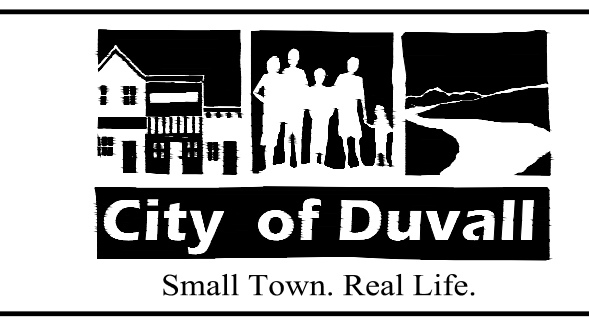
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<b>Approved By</b>		21078INDX.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	JRW 02/2023
PROJECT ENGINEER	DATE	DESIGNED BY
		KAB 02/2023
		DRAWN BY
		OBP 02/2023
		CHECKED BY



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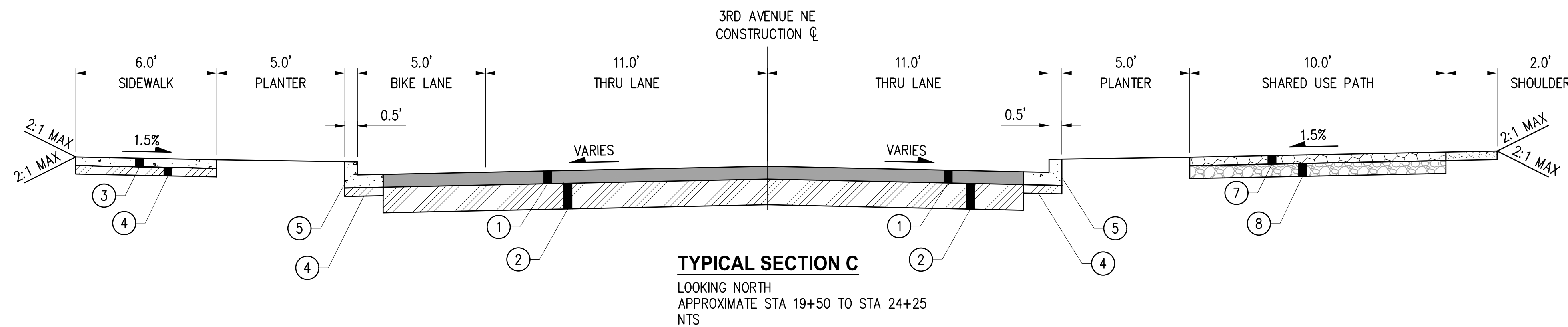
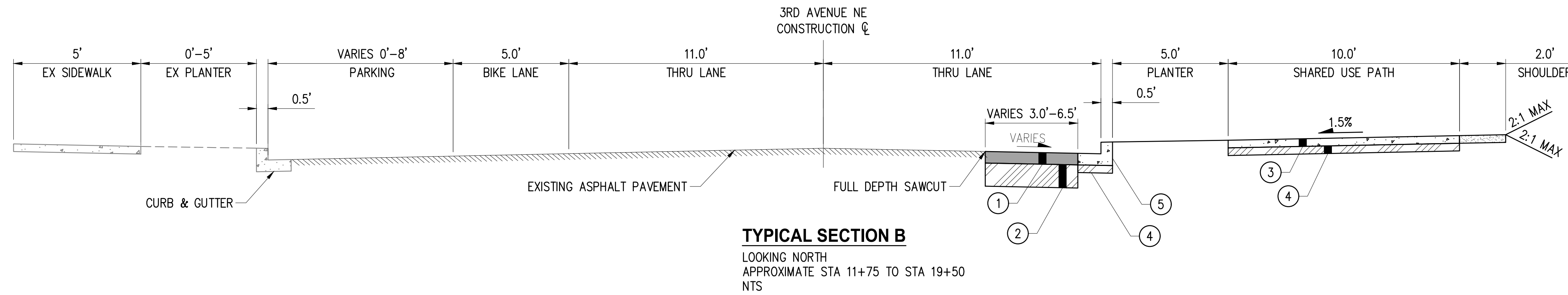
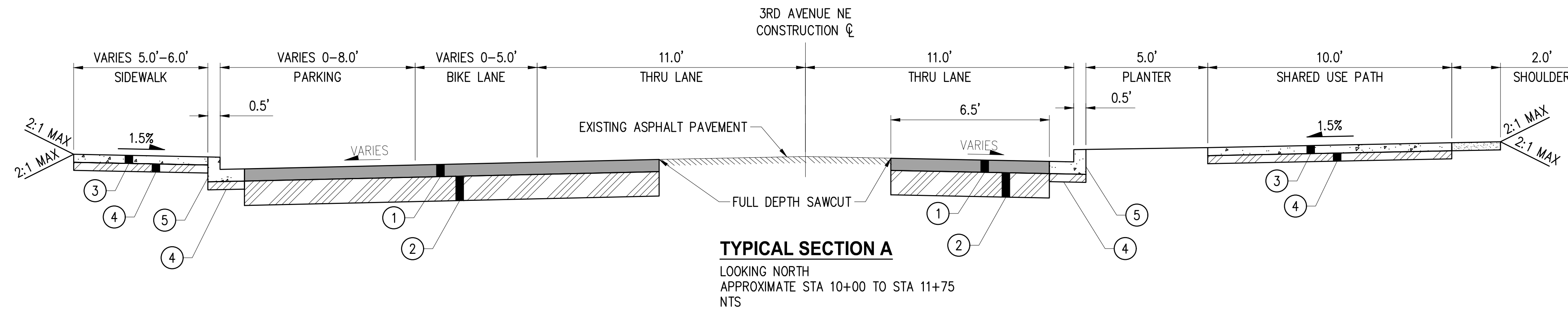
**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

SHEET INDEX, ALIGNMENT PLAN, & SURVEY CONTROL	
KPG PROJECT No. 21078	SHT <u>4</u> OF <u>82</u>

**SECTION GENERAL NOTES**

1. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
2. EMBANKMENTS SHALL BE CONSTRUCTED PER SECTION 2-03 OF THE STANDARD SPECIFICATIONS.

MATERIAL CODE	
##	MATERIALS DESCRIPTION
1	6" HMA CL 1/2" PG 58H-22
2	12" CRUSHED SURFACING BASE COURSE
3	4" CEMENT CONC. SIDEWALK OR 6" CEMENT CONC. DRIVEWAY ENTRANCE
4	4" CRUSHED SURFACING BASE COURSE
5	18" VERTICAL CURB & GUTTER PER DUVALL DWG NO. 3-03-002A
6	ASPHALT WEDGE CURB
7	4" PERVIOUS CONC. SIDEWALK
8	6" PERMEABLE BALLAST



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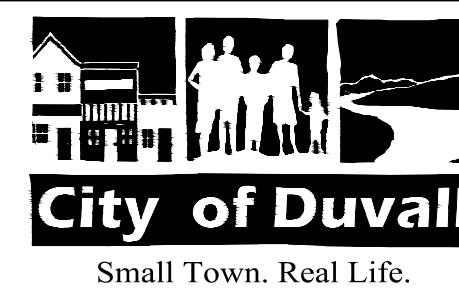
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ENGINEERING MANAGER	DATE	FILENAME JRW 02/2023
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PROJECT ENGINEER	DATE	DRAWN BY OBP 02/2023
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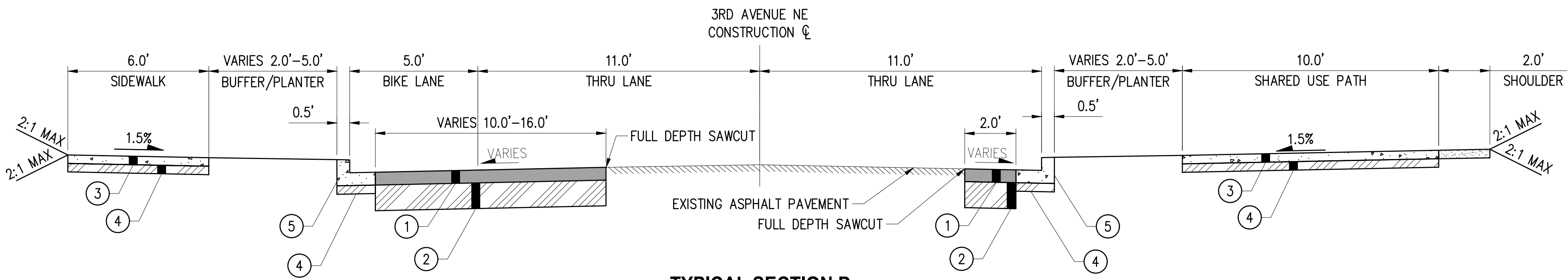
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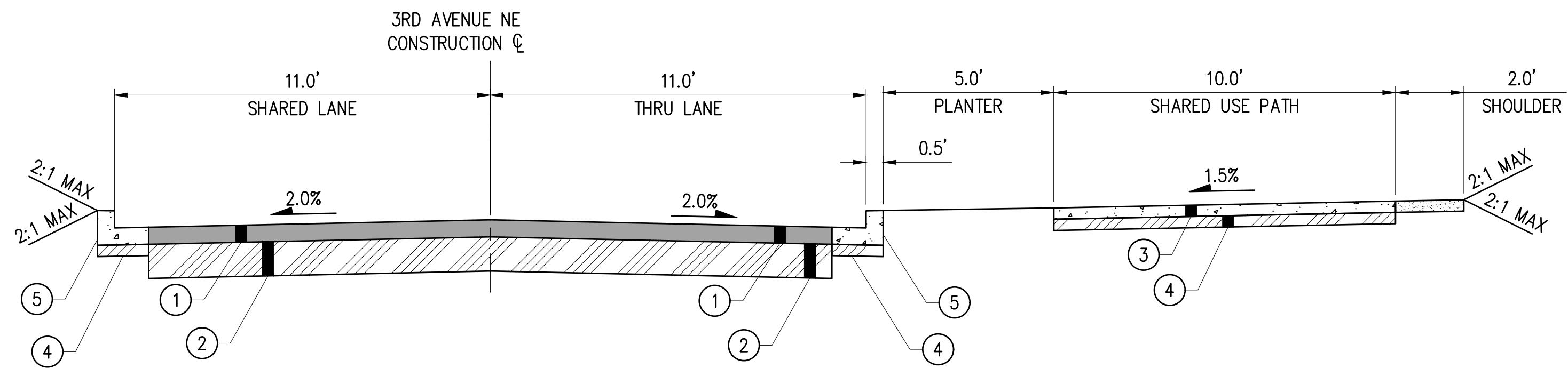
TYPICAL ROADWAY SECTIONS  
3RD AVE NE

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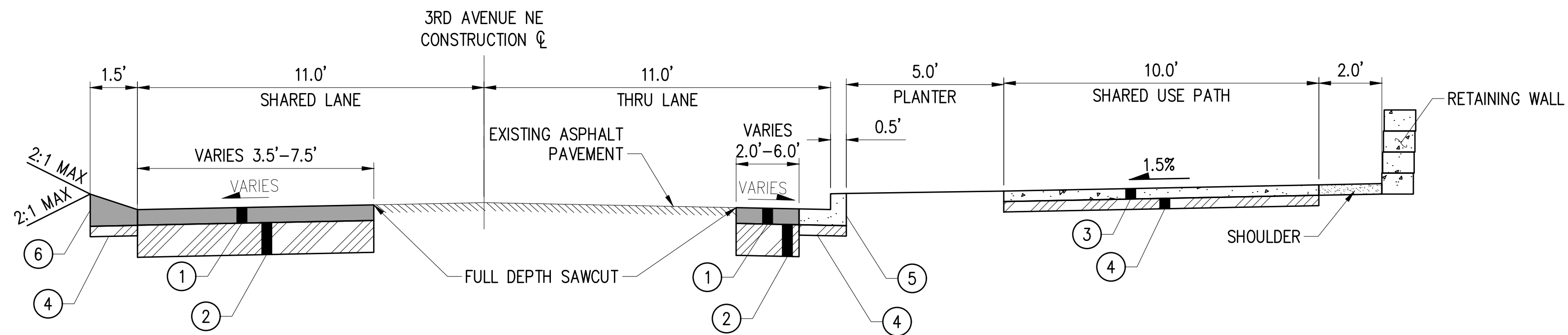
**TYPICAL SECTION D**

LOOKING NORTH  
APPROXIMATE STA 24+25 TO STA 30+00  
NTS



**TYPICAL SECTION E**

LOOKING NORTH  
APPROXIMATE STA 30+00 TO STA 32+75  
NTS



**TYPICAL SECTION F**

LOOKING NORTH  
APPROXIMATE STA 34+50 TO STA 38+50  
NTS

**SECTION GENERAL NOTES**

1. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
2. EMBANKMENTS SHALL BE CONSTRUCTED PER SECTION 2-03 OF THE STANDARD SPECIFICATIONS.

MATERIAL CODE	
##	MATERIALS DESCRIPTION
1	6" HMA CL 1/2" PG 58H-22
2	12" CRUSHED SURFACING BASE COURSE
3	4" CEMENT CONC. SIDEWALK OR 6" CEMENT CONC. DRIVEWAY ENTRANCE
4	4" CRUSHED SURFACING BASE COURSE
5	18" VERTICAL CURB & GUTTER PER DUVALL DWG NO. 3-03-002A
6	ASPHALT WEDGE CURB
7	4" PERVIOUS CONC. SIDEWALK
8	6" PERMEABLE BALLAST

NO.	DATE	BY	APPR.	REVISIONS

Approved By		21078SEC01.dwg
ENGINEERING MANAGER	DATE	FILENAME JRW 02/2023
PROJECT MANAGER	DATE	DESIGNED BY KAB 02/2023
PROJECT ENGINEER	DATE	DRAWN BY OBP 02/2023
	DATE	CHECKED BY 



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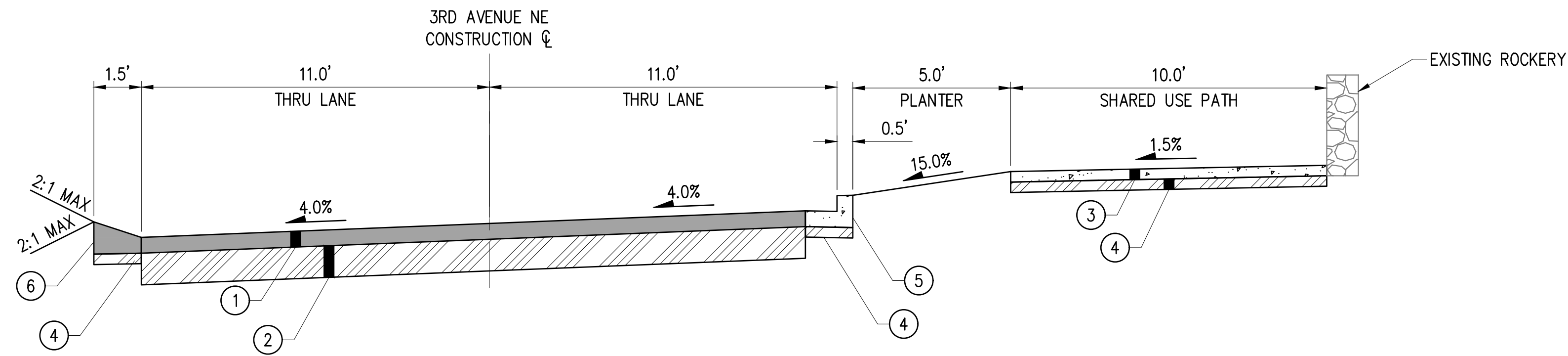
**30% REVIEW SUBMITTAL**

**City of Duvall**  
Small Town. Real Life.

**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

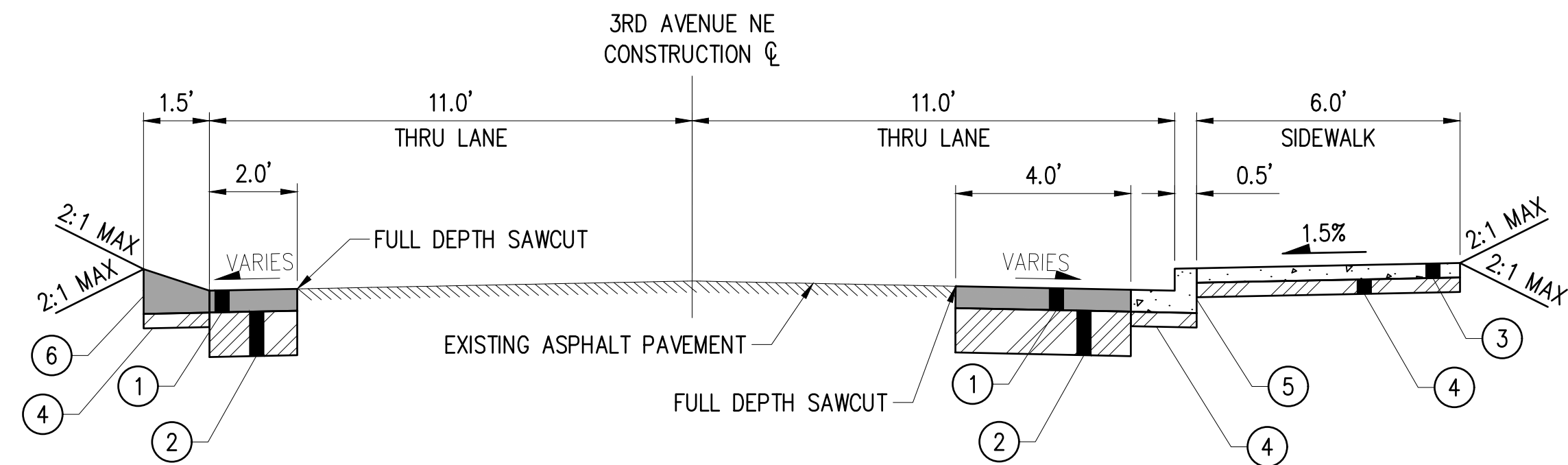
TYPICAL ROADWAY SECTIONS  
3RD AVE NE  
KPG PROJECT No. 21078 SHT 6 OF 82

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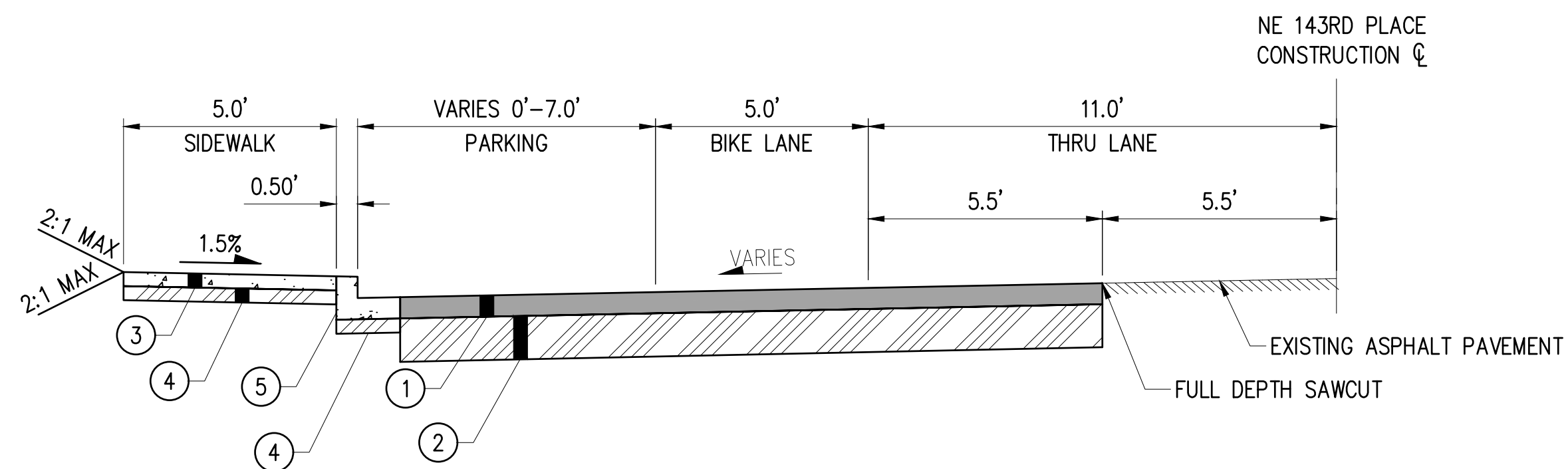
**TYPICAL SECTION G**

LOOKING NORTH  
APPROXIMATE STA 38+50 TO STA 44+00  
NTS



**TYPICAL SECTION H**

LOOKING NORTH  
APPROXIMATE STA 44+75 TO STA 46+25  
NTS



**TYPICAL SECTION I**

LOOKING EAST  
APPROXIMATE STA 61+00 TO STA 67+00  
NTS

**SECTION GENERAL NOTES**

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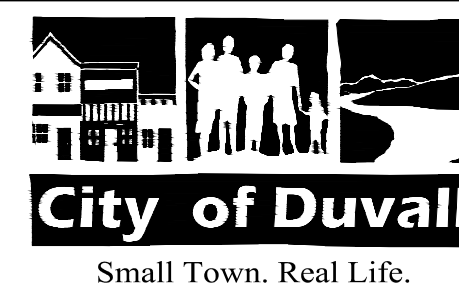
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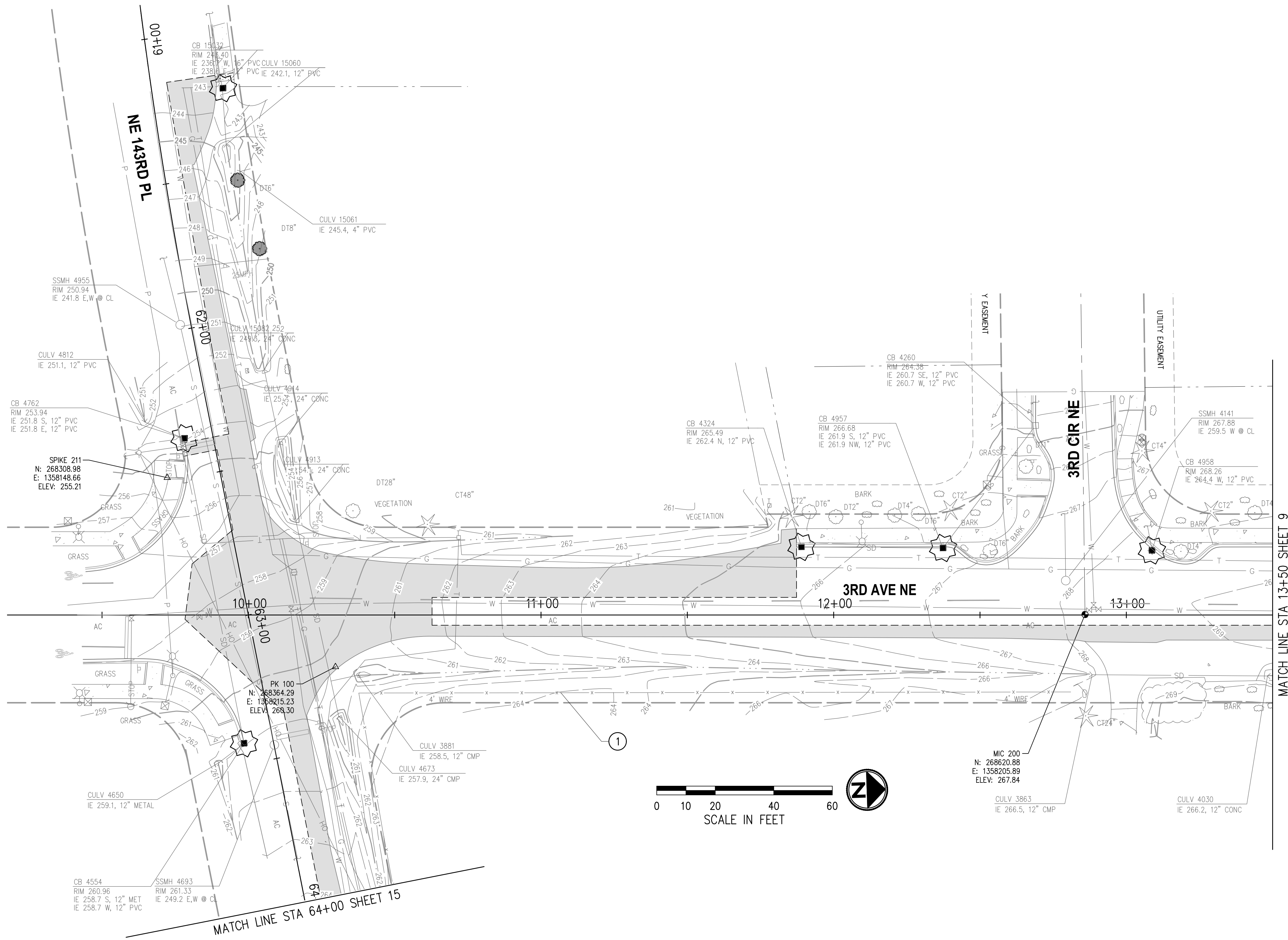
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

TYPICAL ROADWAY SECTIONS  
3RD AVE NE & NE 143RD PL

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**GENERAL SITE PREPARATION & TESC NOTES**

1. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES, STRUCTURES, TREES, AND VEGETATION NOT MARKED FOR REMOVAL, RELOCATION, OR ADJUSTMENT.
2. INLET PROTECTION SHALL BE PLACES IN ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS AND IN ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION.
3. FOR STORMWATER REMOVALS, SEE SHEETS 27-37.
4. FOR TREATMENT OF EXISTING ROADWAY SIGNS, SEE SHEETS 77-82.

**SITE PREPARATION NOTES**

- ① REMOVE FENCE.
- ② REMOVE RAILROAD TIE AND SALVAGE TO OWNER.
- ③ REMOVE AND RELOCATE EXISTING FENCE.
- ④ REMOVE RAILING.
- ⑤ REMOVE RETAINING WALL.
- ⑥ REMOVE EXTRUDED CURB.
- ⑦ REMOVE ROCKERY.
- ⑧ PROTECT AND PRESERVE ROCKERY.

**LEGEND**

- REMOVE CEMENT CONC PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE CURB AND GUTTER
- INLET PROTECTION
- REMOVE CONIFEROUS TREE
- REMOVE DECIDUOUS TREE
- FULL DEPTH SAWCUT

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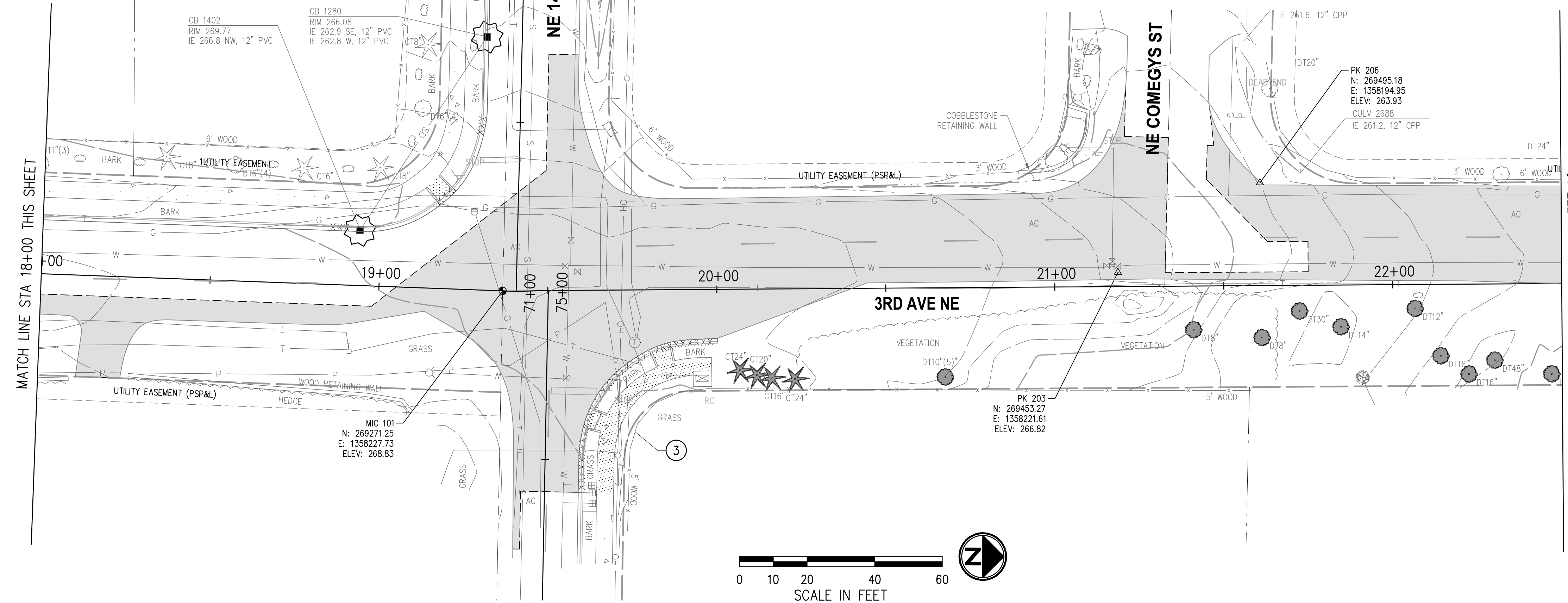
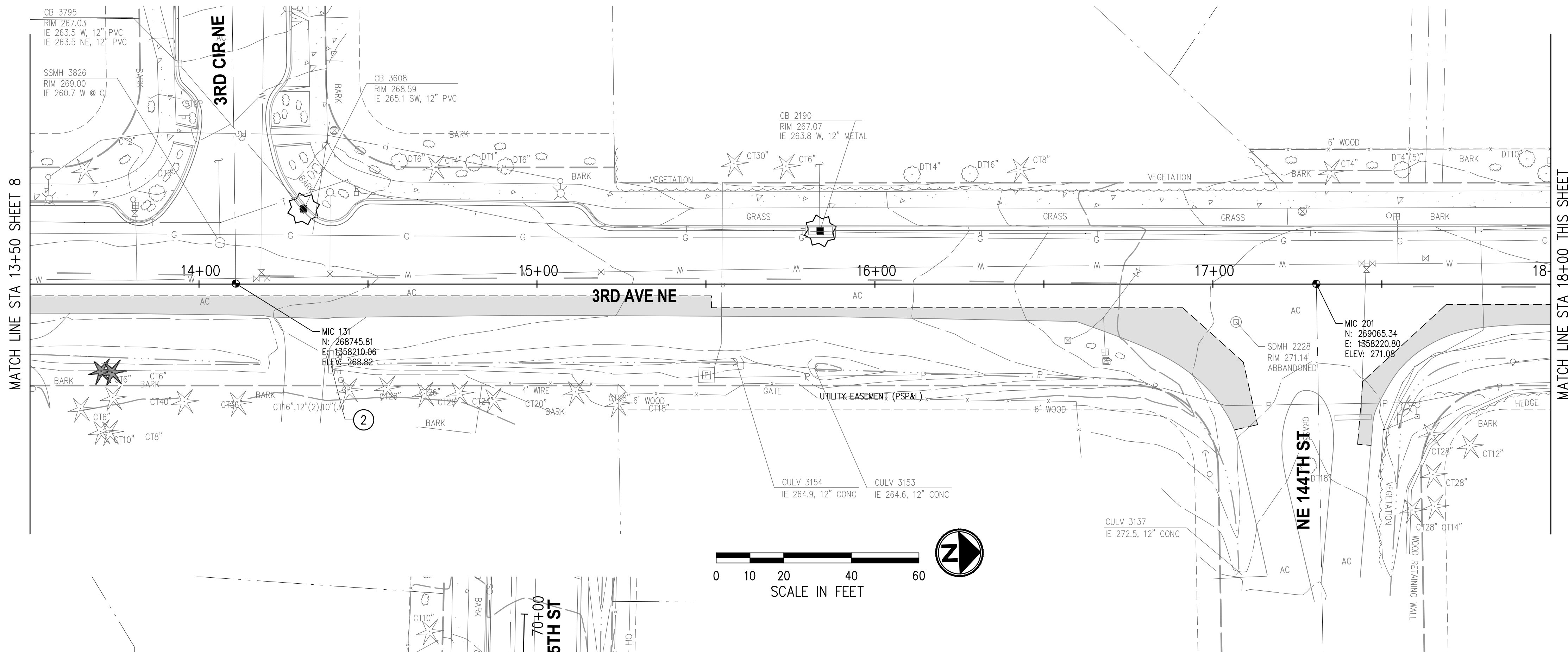
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 9+25 TO STA 15+00 AND  
 STA 61+00 TO STA 64+00  
 KPG PROJECT No. 21078 SHT 8 OF 82

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**GENERAL SITE PREPARATION & TESC NOTES**

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**SITE PREPARATION NOTES**

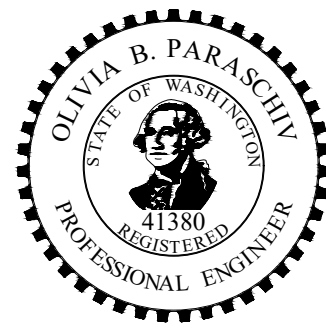
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**LEGEND**

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- REMOVE CURB AND GUTTER
- INLET PROTECTION
- REMOVE CONIFEROUS TREE
- REMOVE DECIDUOUS TREE
- FULL DEPTH SAWCUT

NO.	DATE	BY	APPR.	REVISIONS

Approved By		FILENAME	DATE
ENGINEERING MANAGER	DATE	JRW	02/2023
PROJECT MANAGER	DATE	KAB	02/2023
PROJECT ENGINEER	DATE	OBP	02/2023
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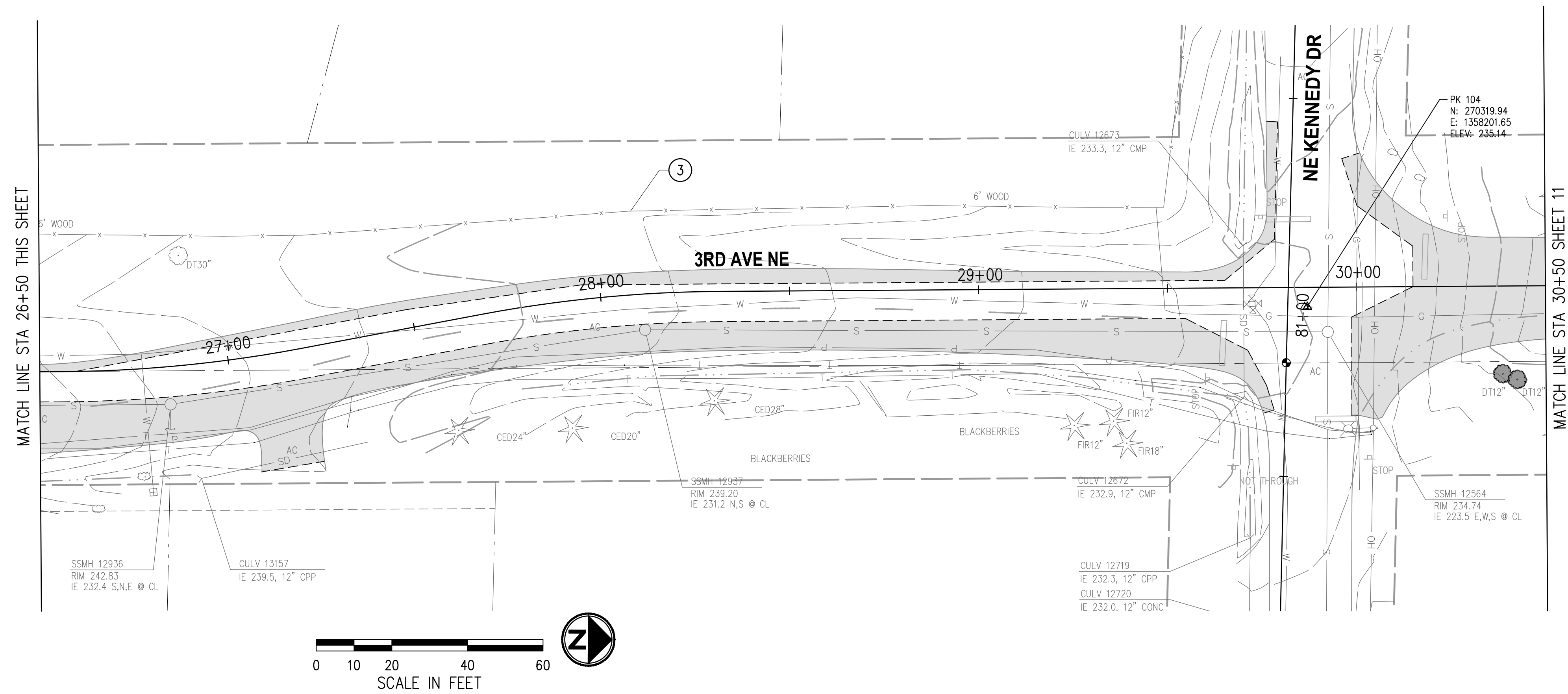
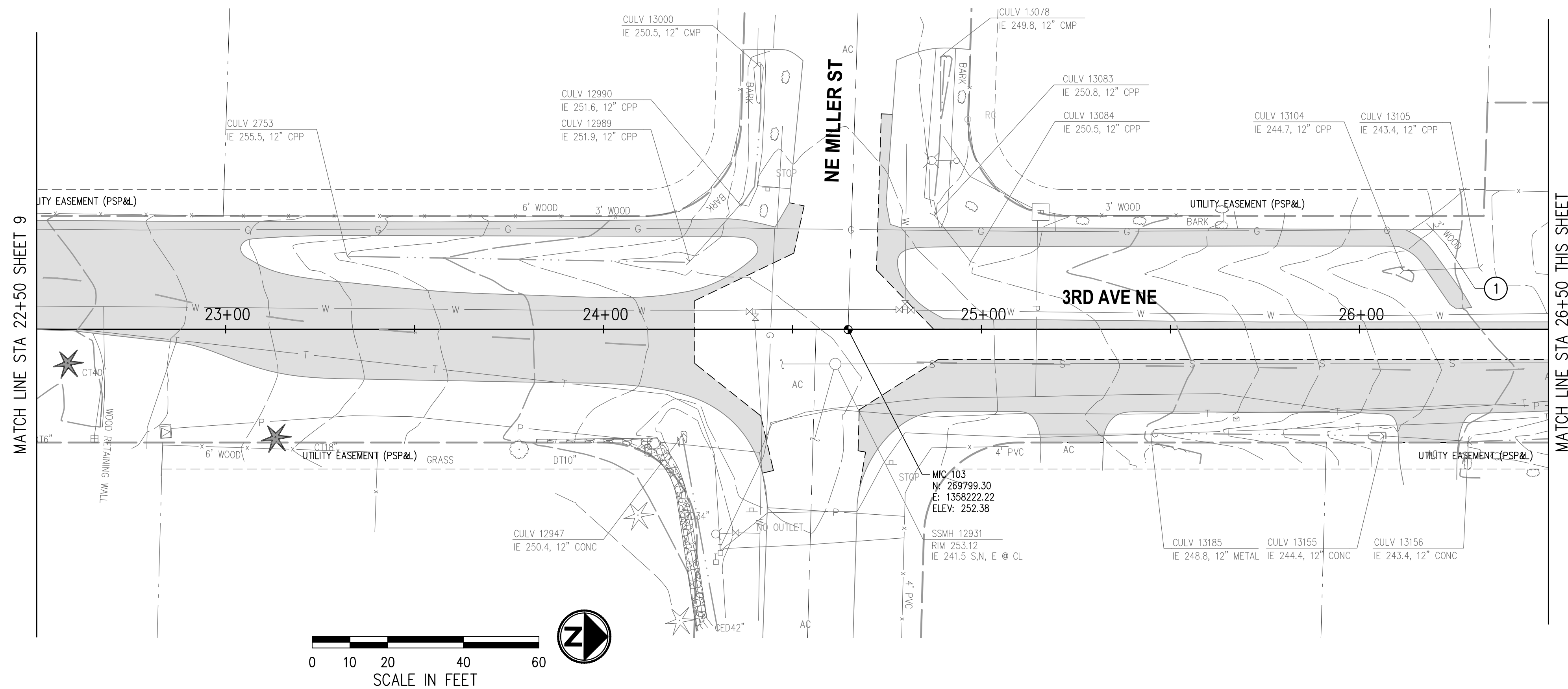
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**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 13+50 TO STA 22+50  
 KPG PROJECT No. 21078 SHT 9 OF 82

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**GENERAL SITE PREPARATION & TESC NOTES**

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**LEGEND**

- REMOVE CEMENT CONC PAVEMENT
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- REMOVE CURB AND GUTTER
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- REMOVE DECIDUOUS TREE
- FULL DEPTH SAWCUT

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PROJECT ENGINEER	DATE	KAB	DATE
		OBP	DRAWN BY
			DATE
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			DATE



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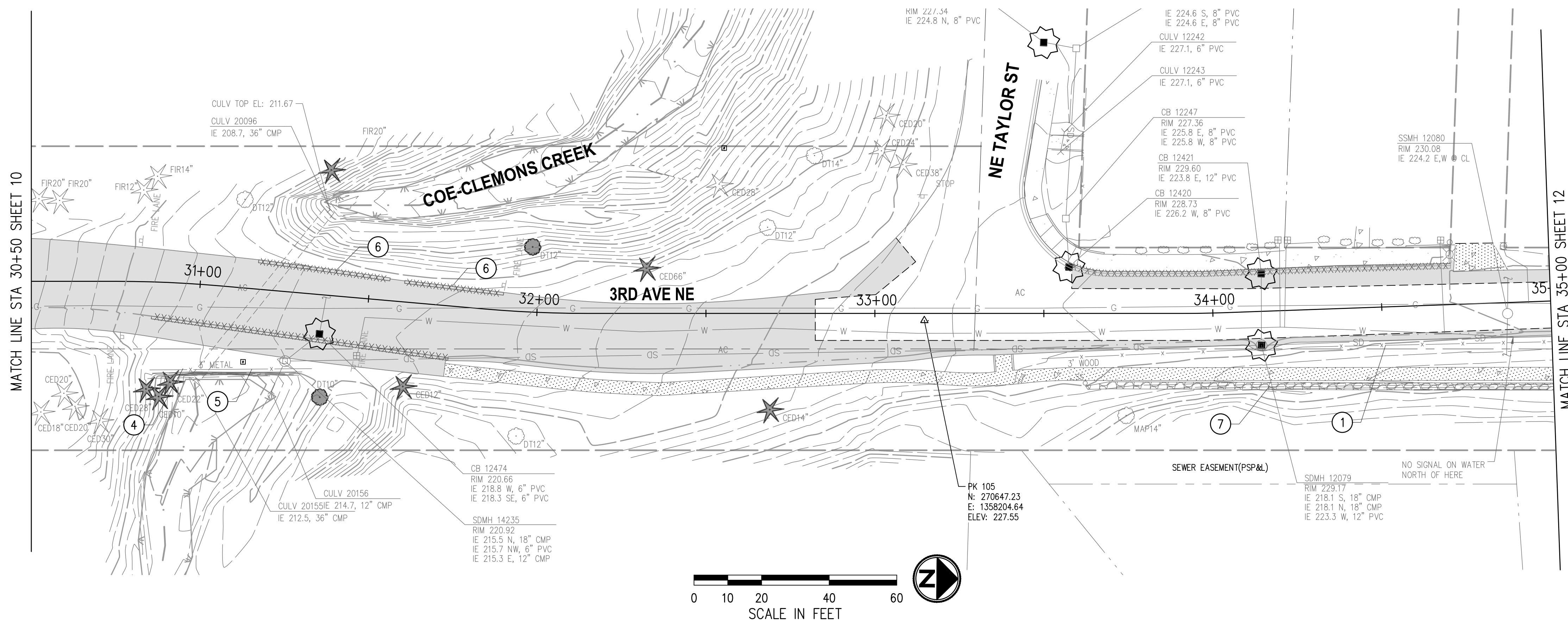
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**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 22+50 TO STA 30+50  
 KPG PROJECT No. 21078 SHT 10 OF 82

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**LEGEND**

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- REMOVE DECIDUOUS TREE
- FULL DEPTH SAWCUT

NO.	DATE	BY	APPR.	REVISIONS

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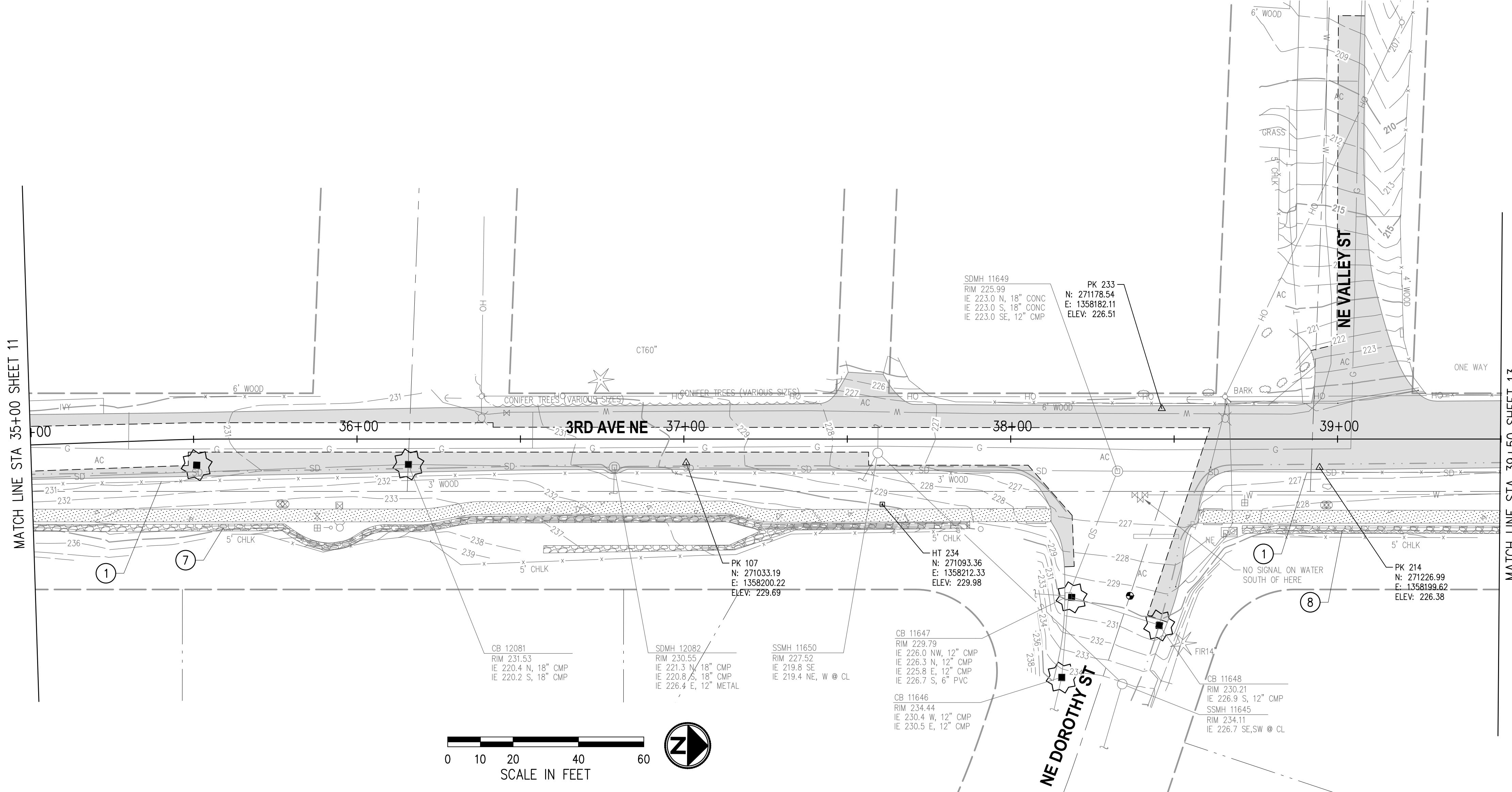
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**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 30+50+00 TO STA 35+00  
 KPG PROJECT No. 21078 SHT 11 OF 82

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**GENERAL SITE PREPARATION & TESC NOTES**

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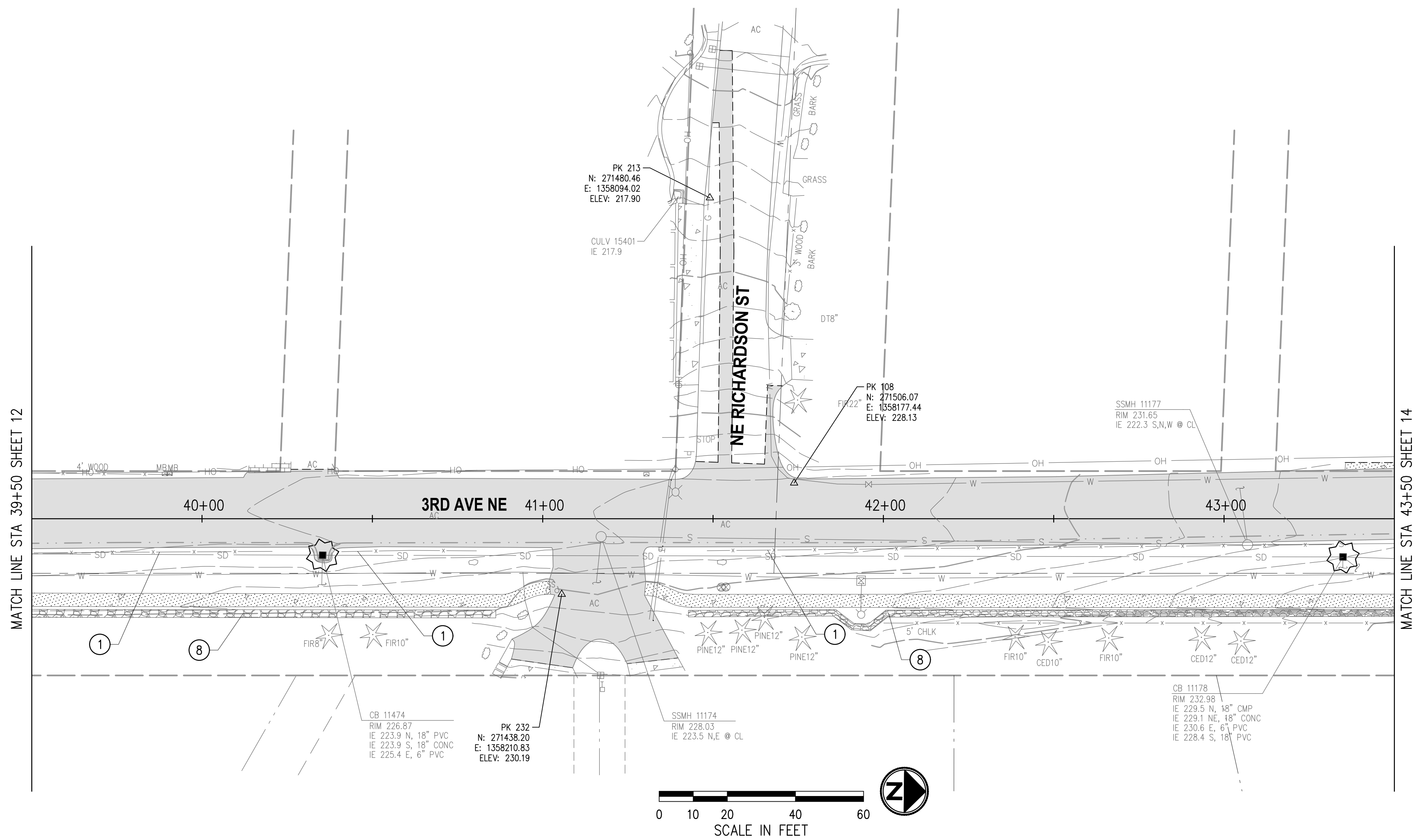
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**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 35+00+00 TO STA 39+50  
 KPG PROJECT No. 21078 SHT 12 OF 82

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**GENERAL SITE PREPARATION & TESC NOTES**

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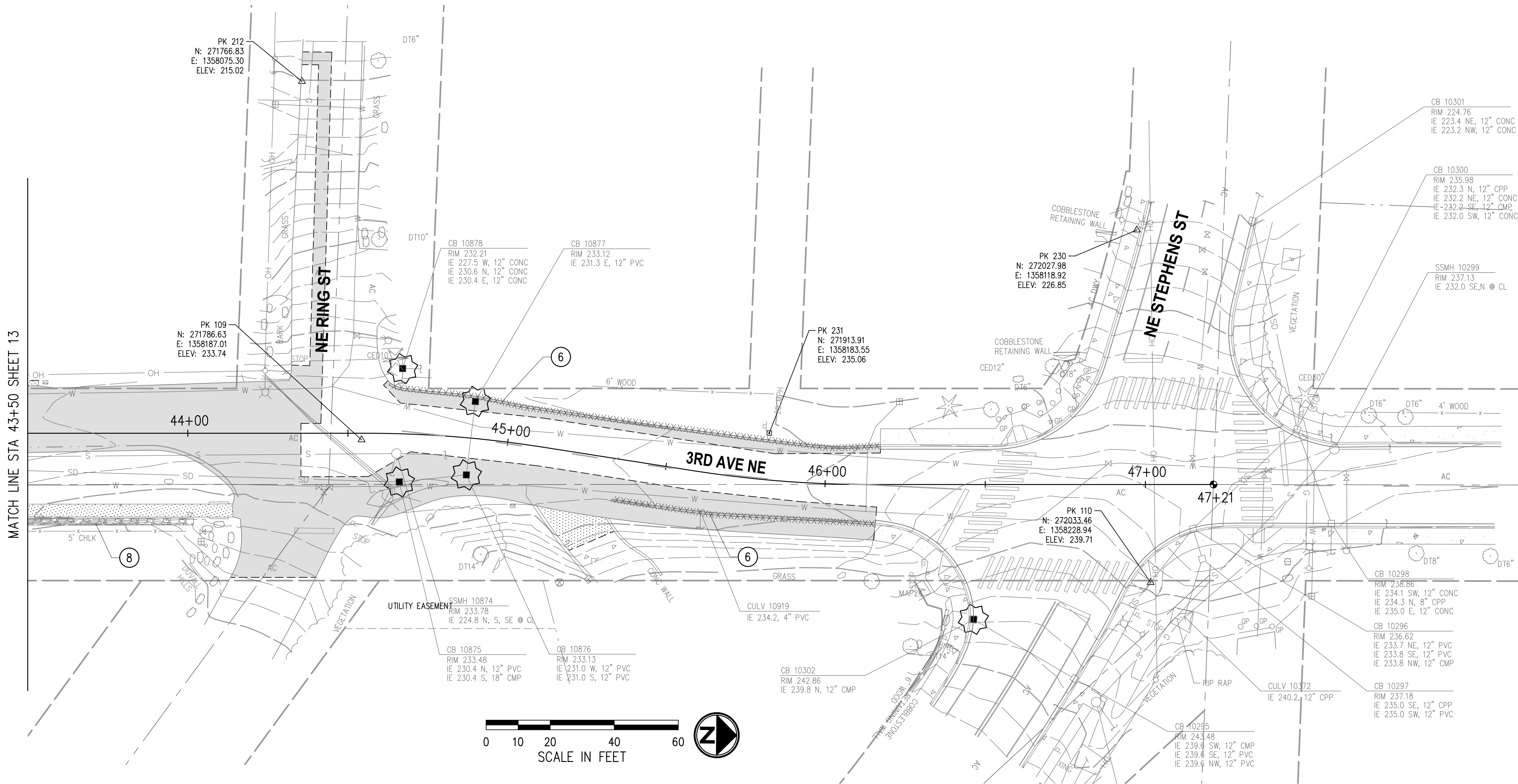
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**SITE PREPARATION & TESC PLAN**  
 STA 39+50 TO STA 43+50  
 KPG PROJECT No. 21078 SHT 13 OF 82

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**GENERAL SITE PREPARATION & TESC NOTES**

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**SITE PREPARATION NOTES**

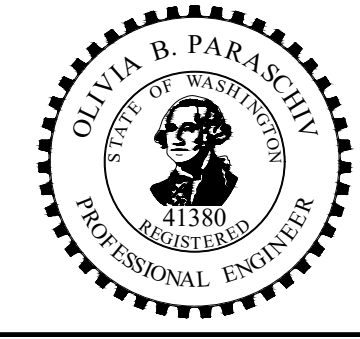
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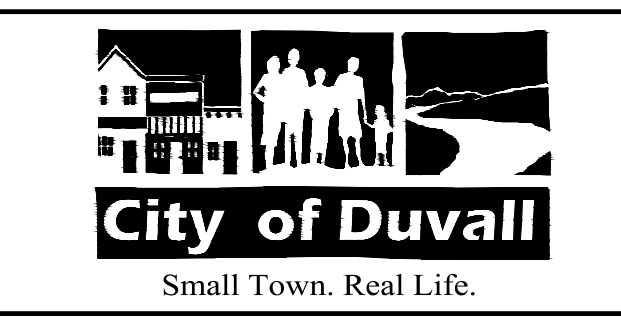
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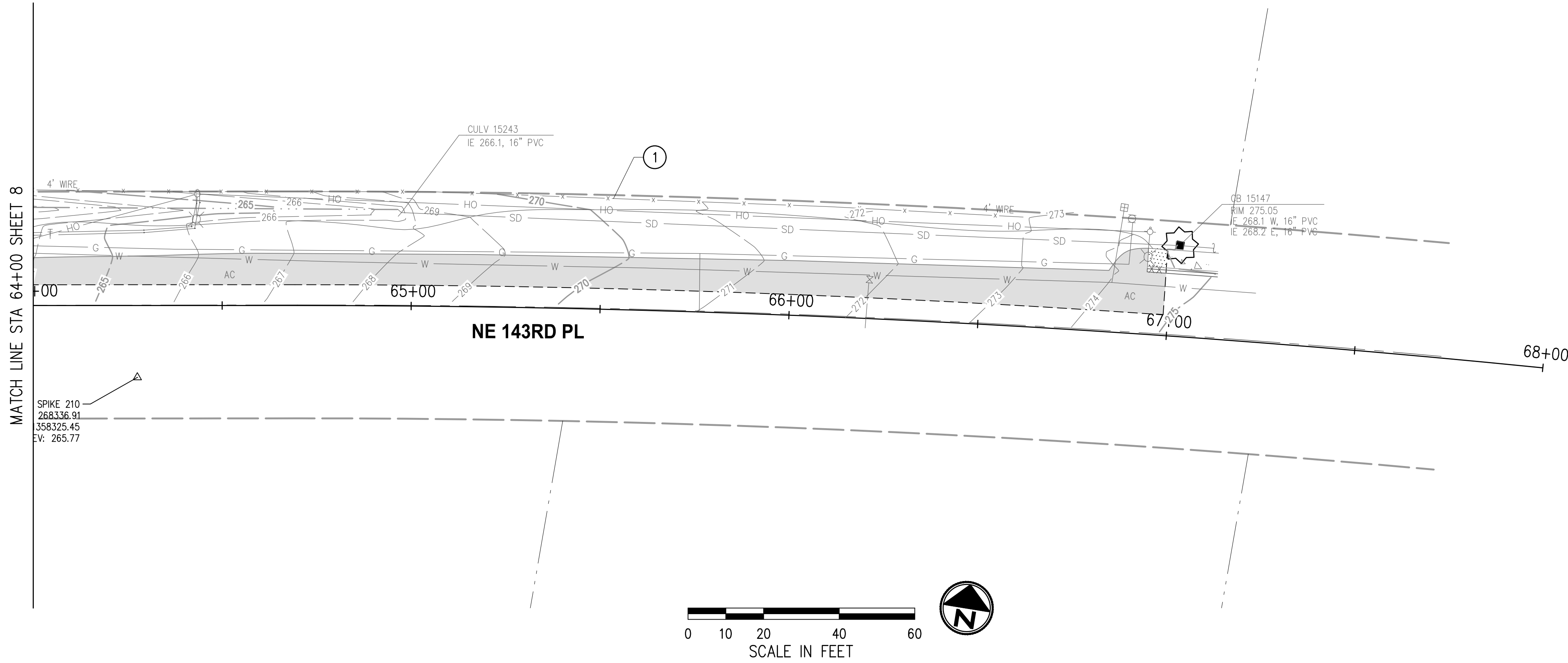
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 43+50 TO STA 47+21  
 KPG PROJECT No. 21078 SHT 14 OF 82

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**GENERAL SITE PREPARATION & TESC NOTES**

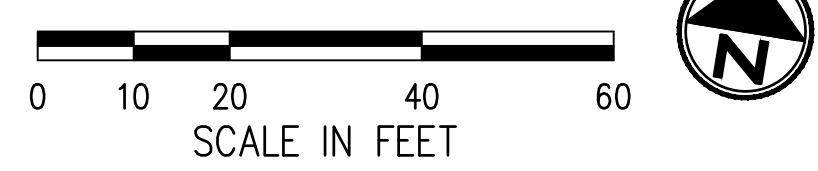
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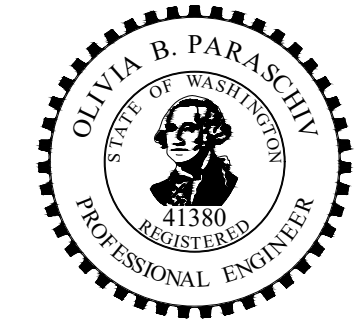
**LEGEND**

- REMOVE CEMENT CONC PAVEMENT
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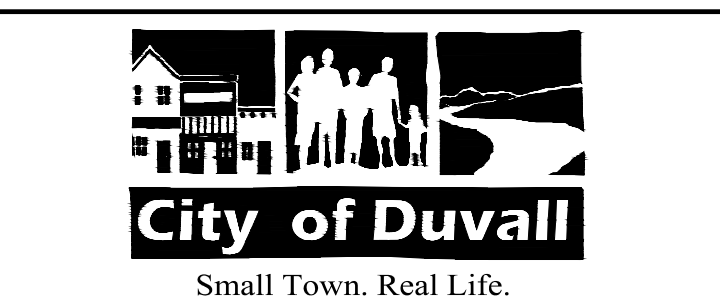
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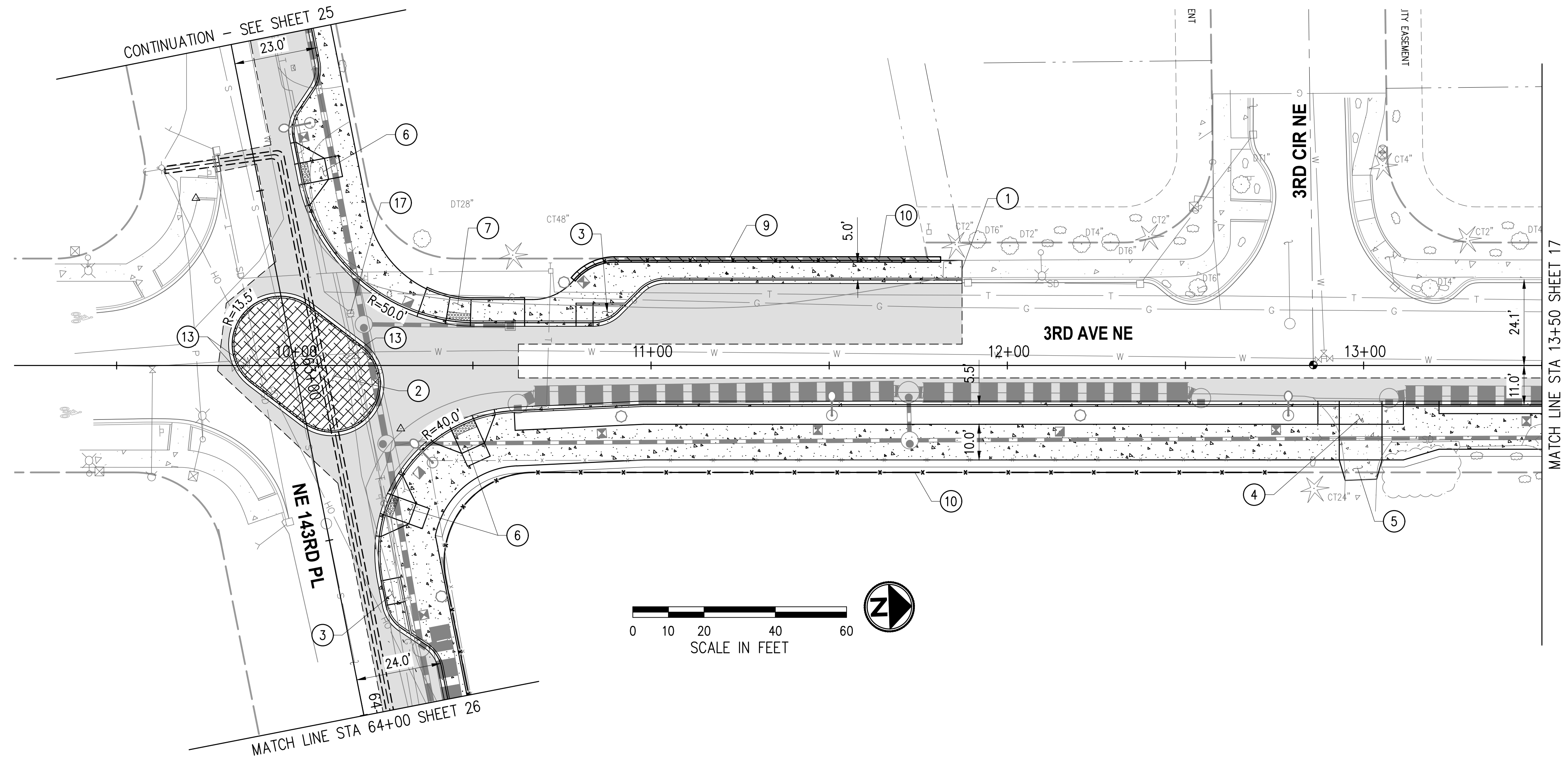


**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**SITE PREPARATION & TESC PLAN**  
 STA 64+00 TO STA 68+00

KPG PROJECT No. 21078    SHT 15 OF 82

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**GENERAL NOTES**

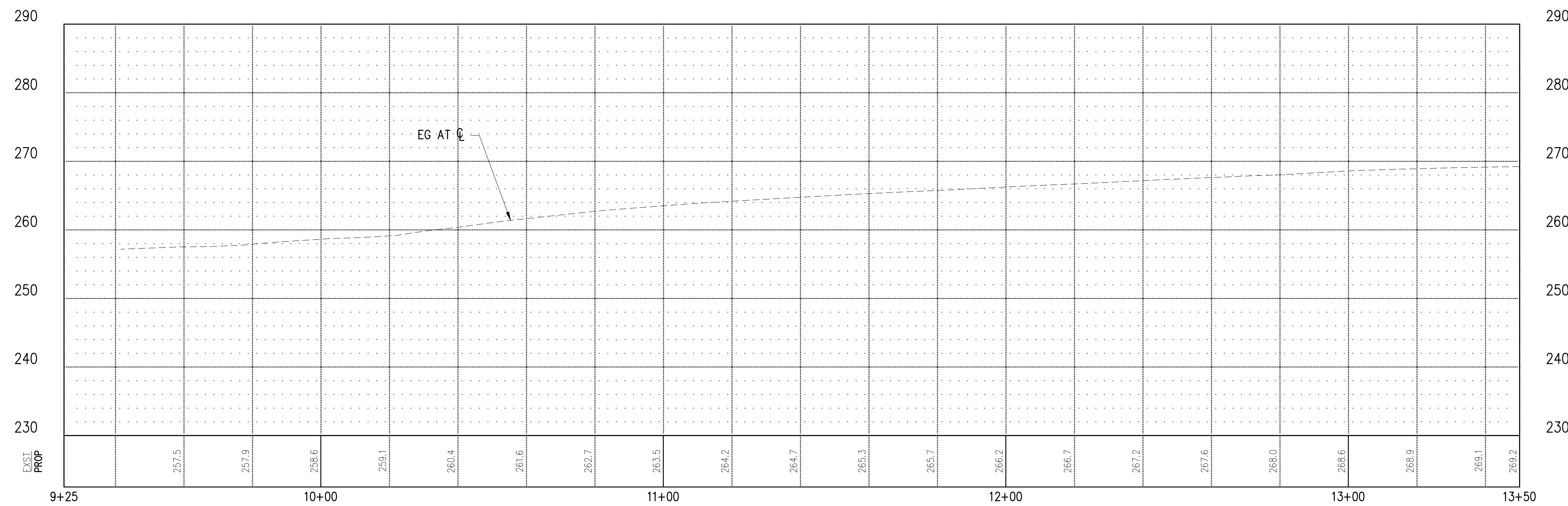
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7. FOR JOINT UTILITY TRENCH PLANS AND DETAILS, SEE SHEETS 72-74.
8. FOR CHANNELIZATION AND SIGNING PLANS, SEE SHEETS 77-81.

**LEGEND**

- HMA FOR NEW PAVEMENT SECTION
- CEMENT CONC PAVEMENT
- JOINT UTILITY TRENCH (SEE SHEETS 72-74)
- STORM DRAIN (SEE SHEETS 27-36)
- RETAINING WALL
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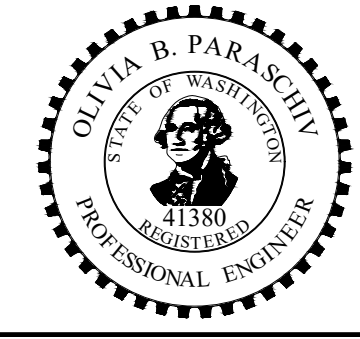
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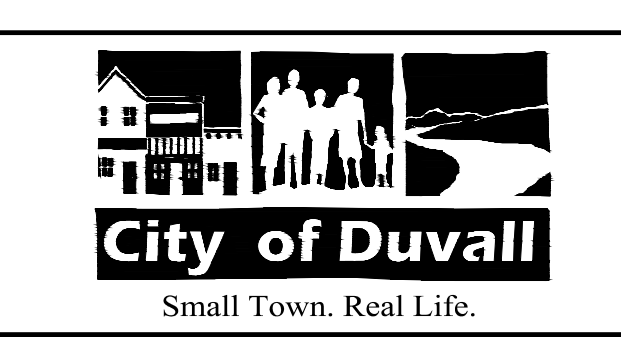
NO.	DATE	BY	APPR.	REVISIONS

<b>Approved By</b>		21078RDWY-PLN-01.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	JRW 02/2023
PROJECT ENGINEER	DATE	DESIGNED BY
		AAE 02/2023
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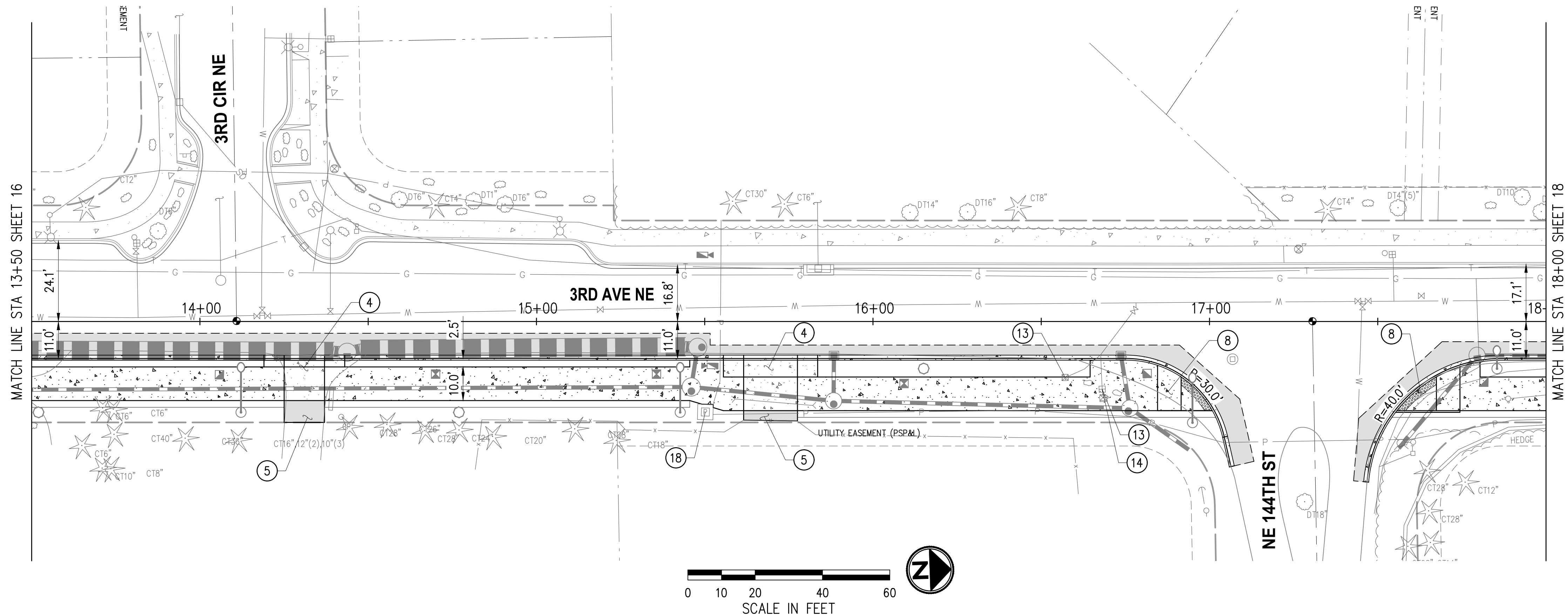
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

<b>ROADWAY PLAN &amp; PROFILE</b>	
STA 9+25 TO STA 13+50	
KPG PROJECT No. 21078	SHT <u>16</u> OF <u>82</u>

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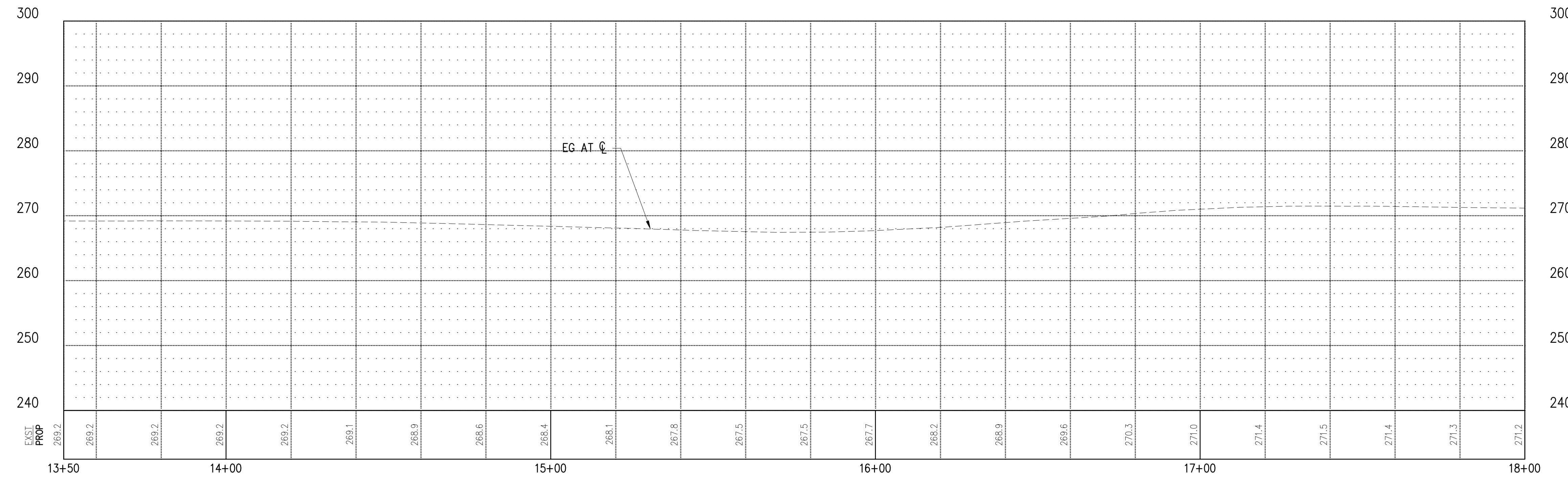
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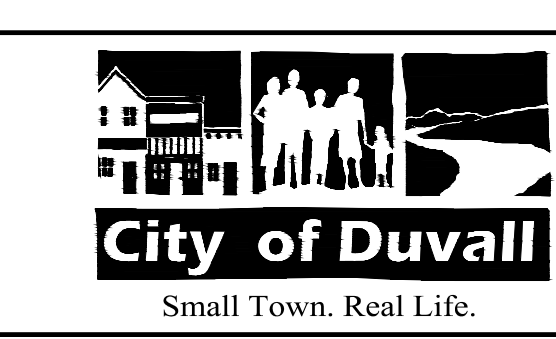


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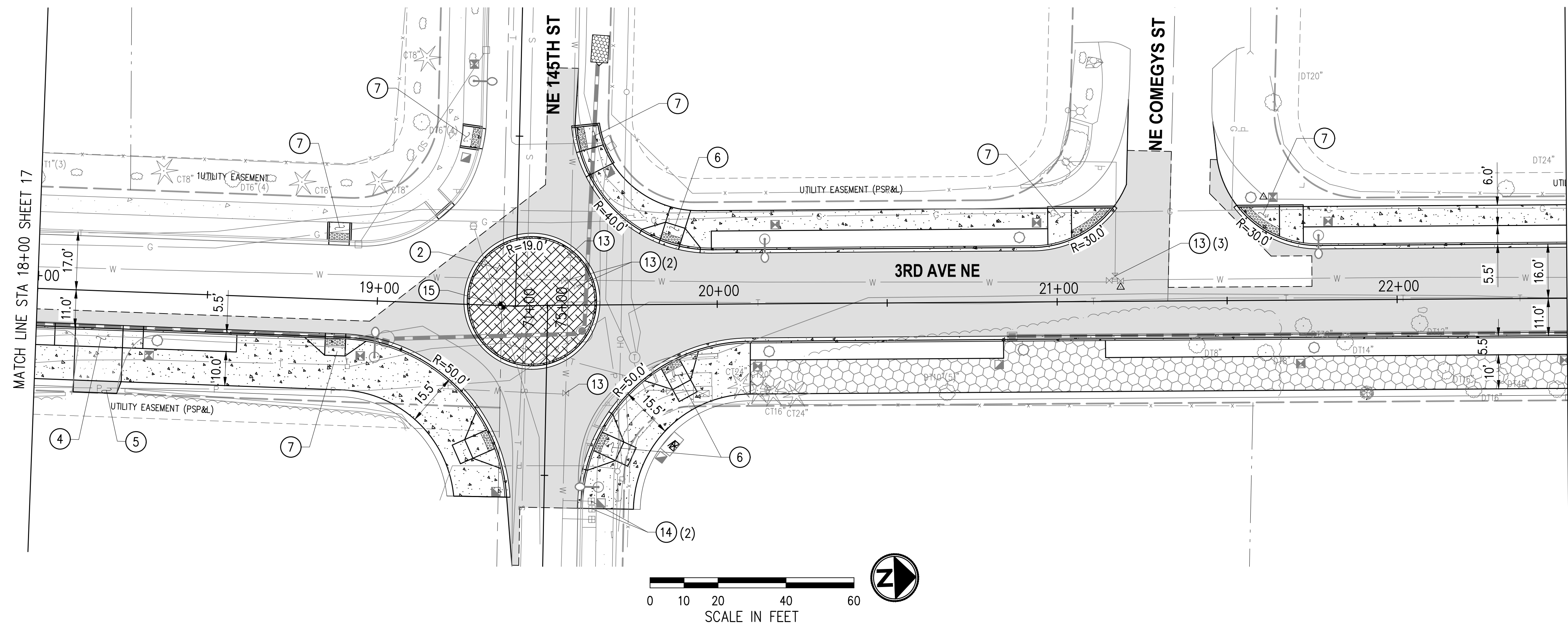
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

<b>ROADWAY PLAN &amp; PROFILE</b> STA 13+50 TO STA 18+00	
KPG PROJECT No. 21078	SHT <u>17</u> OF <u>82</u>

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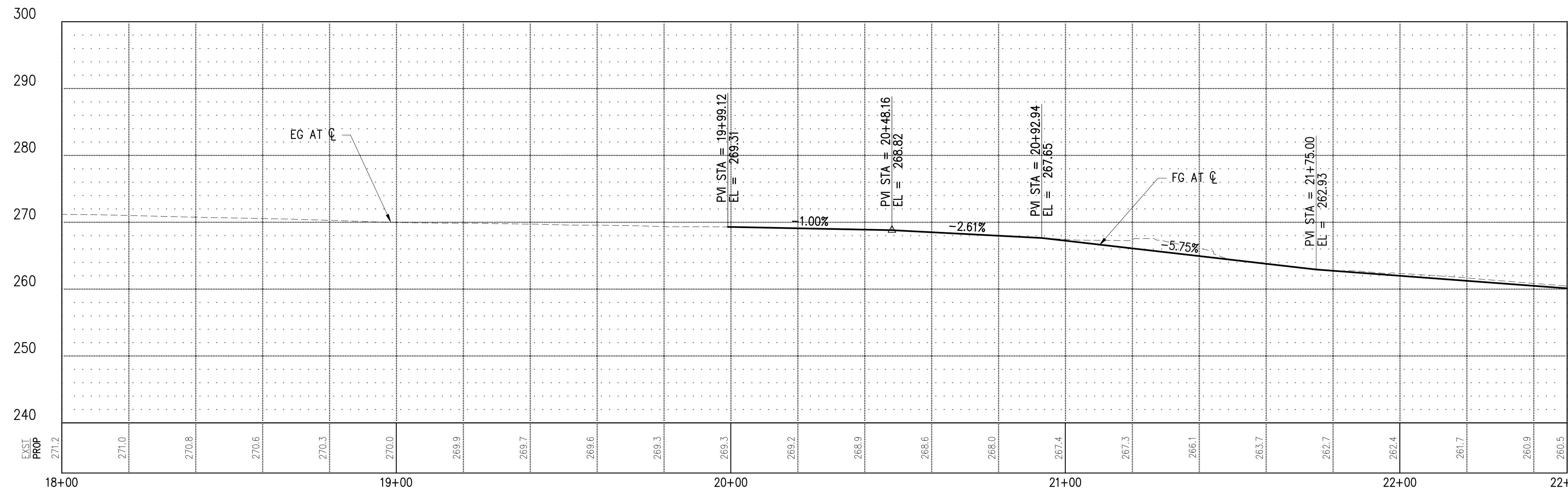
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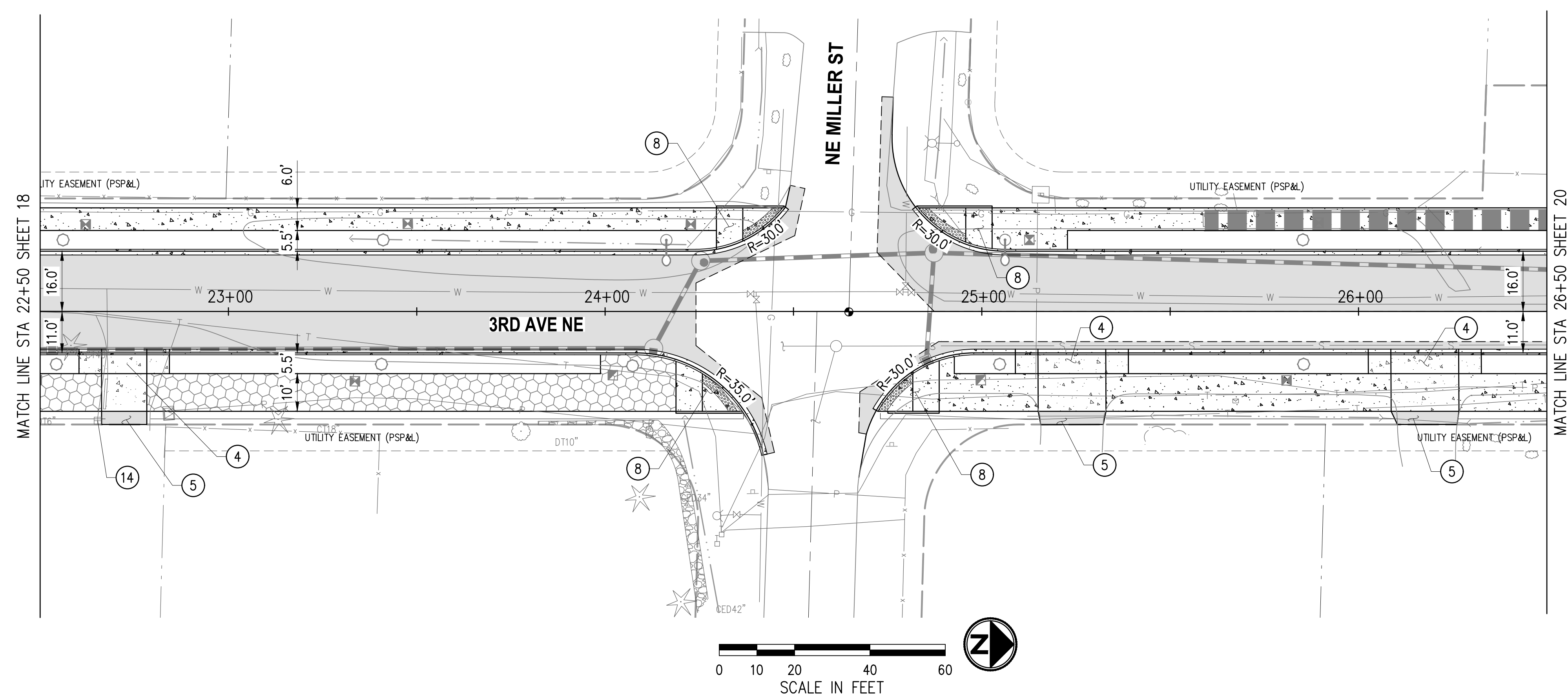
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**ROADWAY PLAN & PROFILE**  
 STA 18+00 TO STA 22+50  
 KPG PROJECT No. 21078 SHT 18 OF 82

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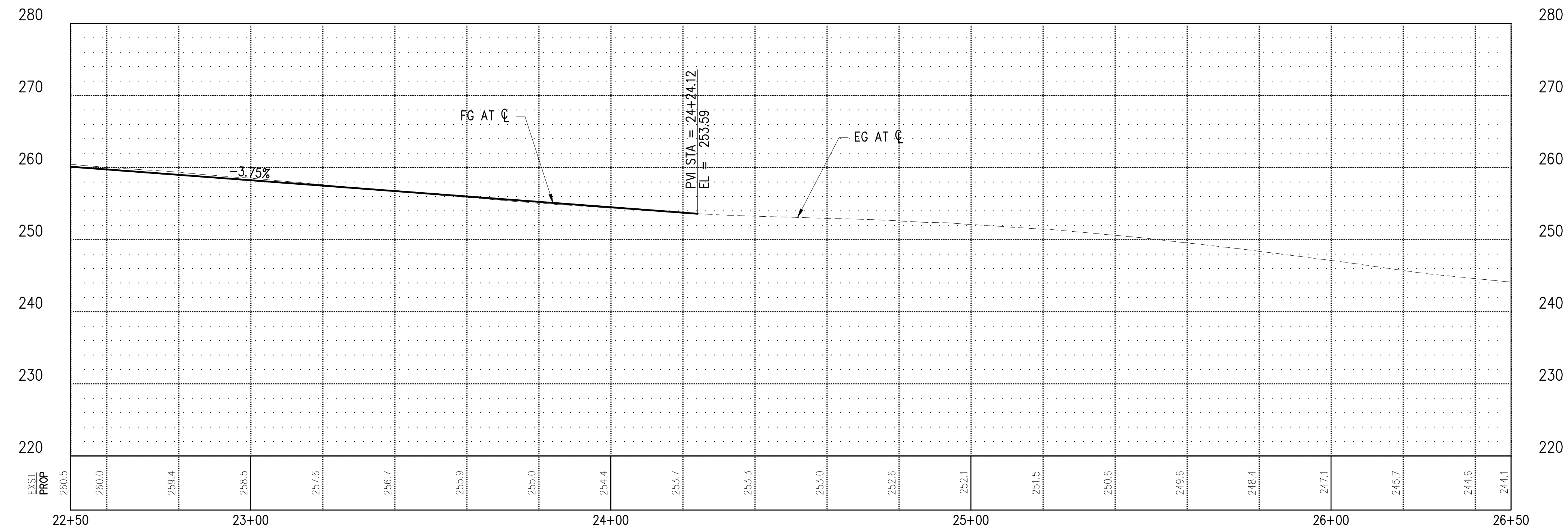
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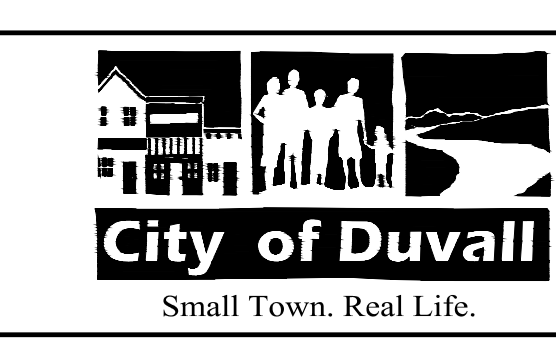
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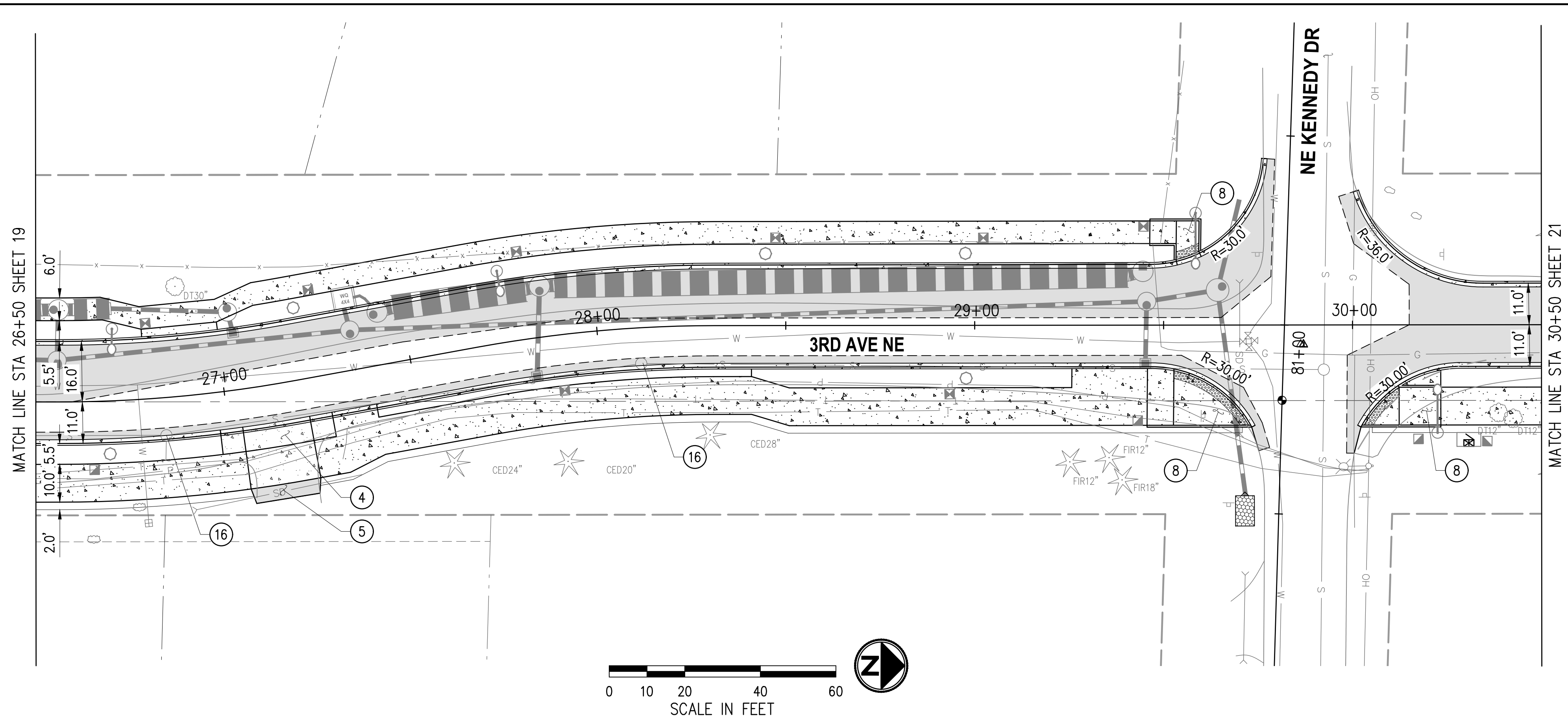
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

<b>ROADWAY PLAN &amp; PROFILE</b>	
STA 22+50 TO STA 26+50	
KPG PROJECT No. 21078	SHT <u>19</u> OF <u>82</u>

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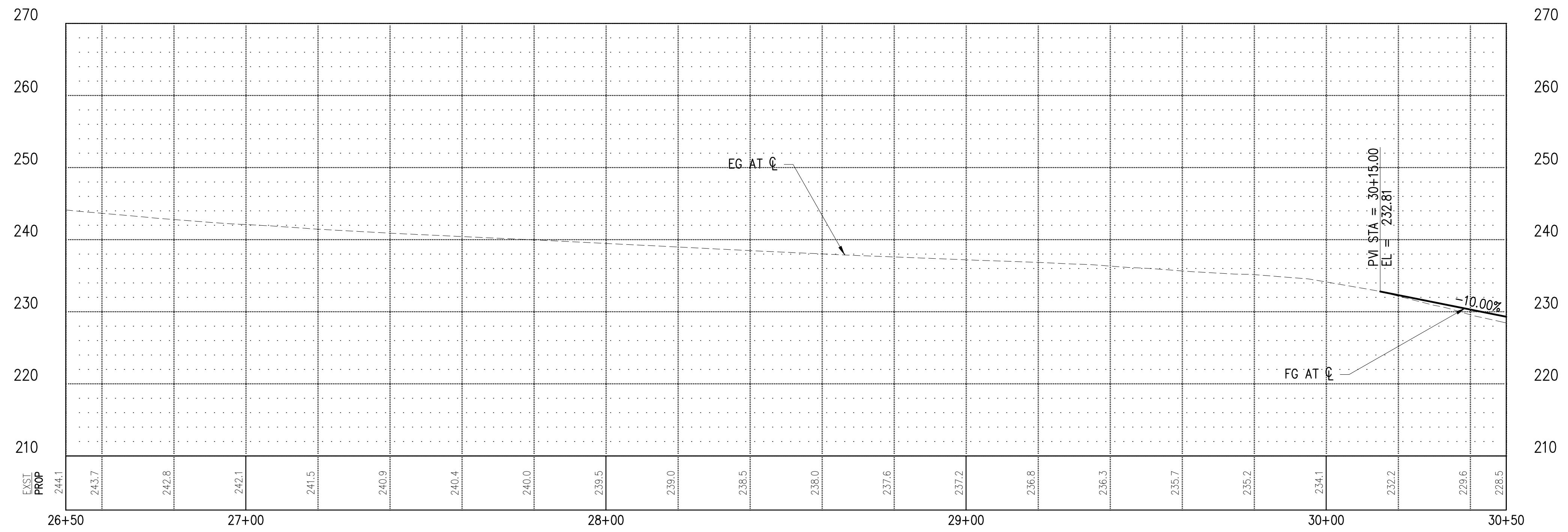
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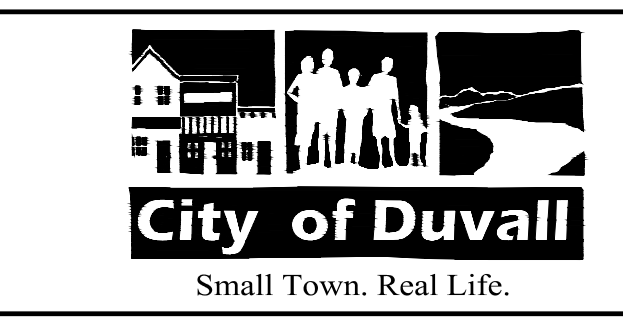
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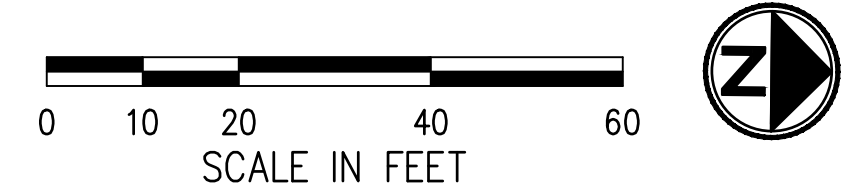
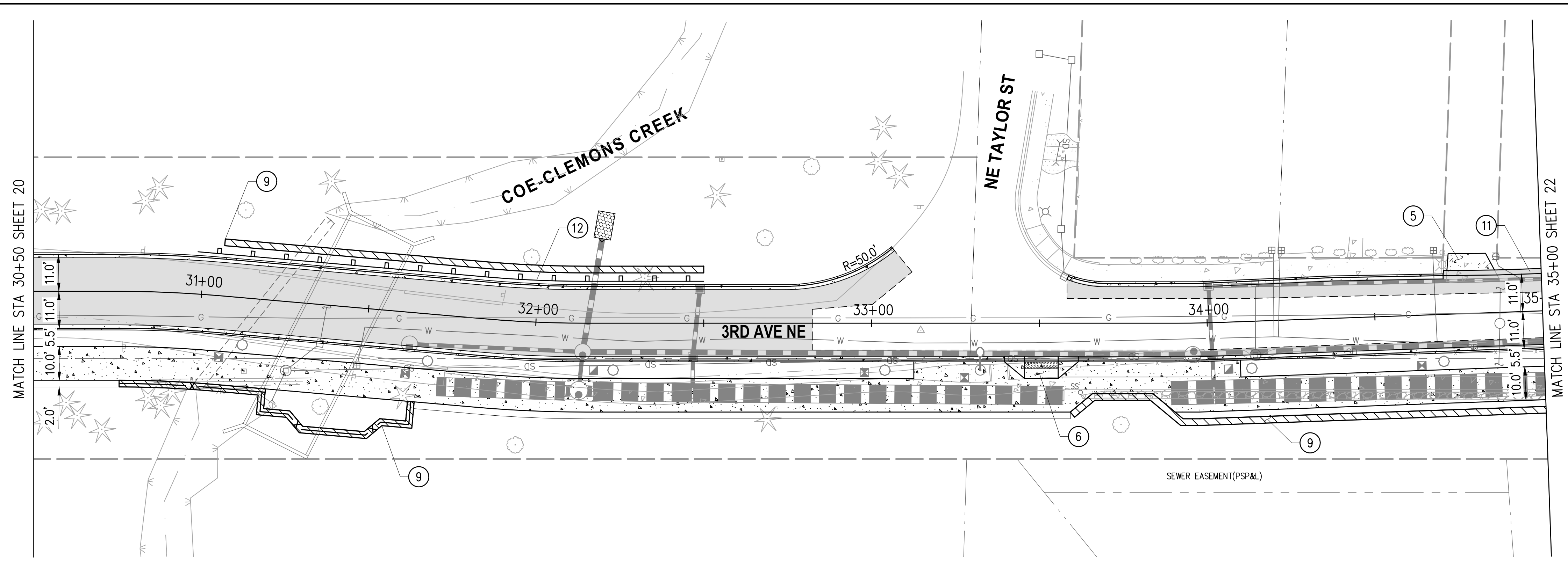
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**CITY OF DUVALL  
3RD AVENUE NE RECONSTRUCTION**

**ROADWAY PLAN & PROFILE**  
STA 26+50 TO STA 30+50  
KPG PROJECT No. 21078 SHT 20 OF 82

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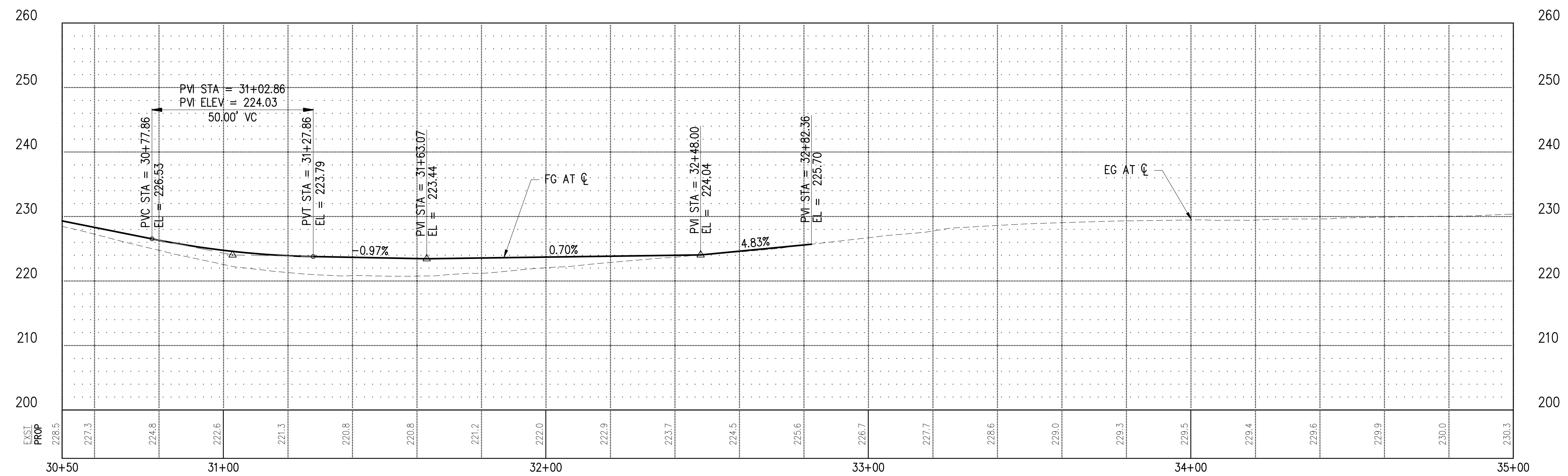
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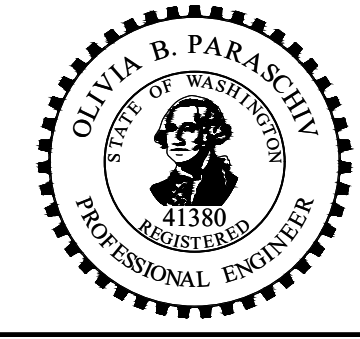
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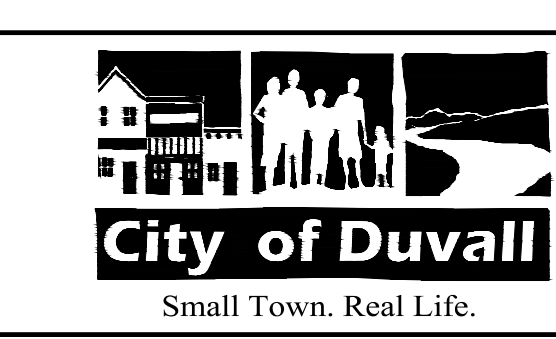
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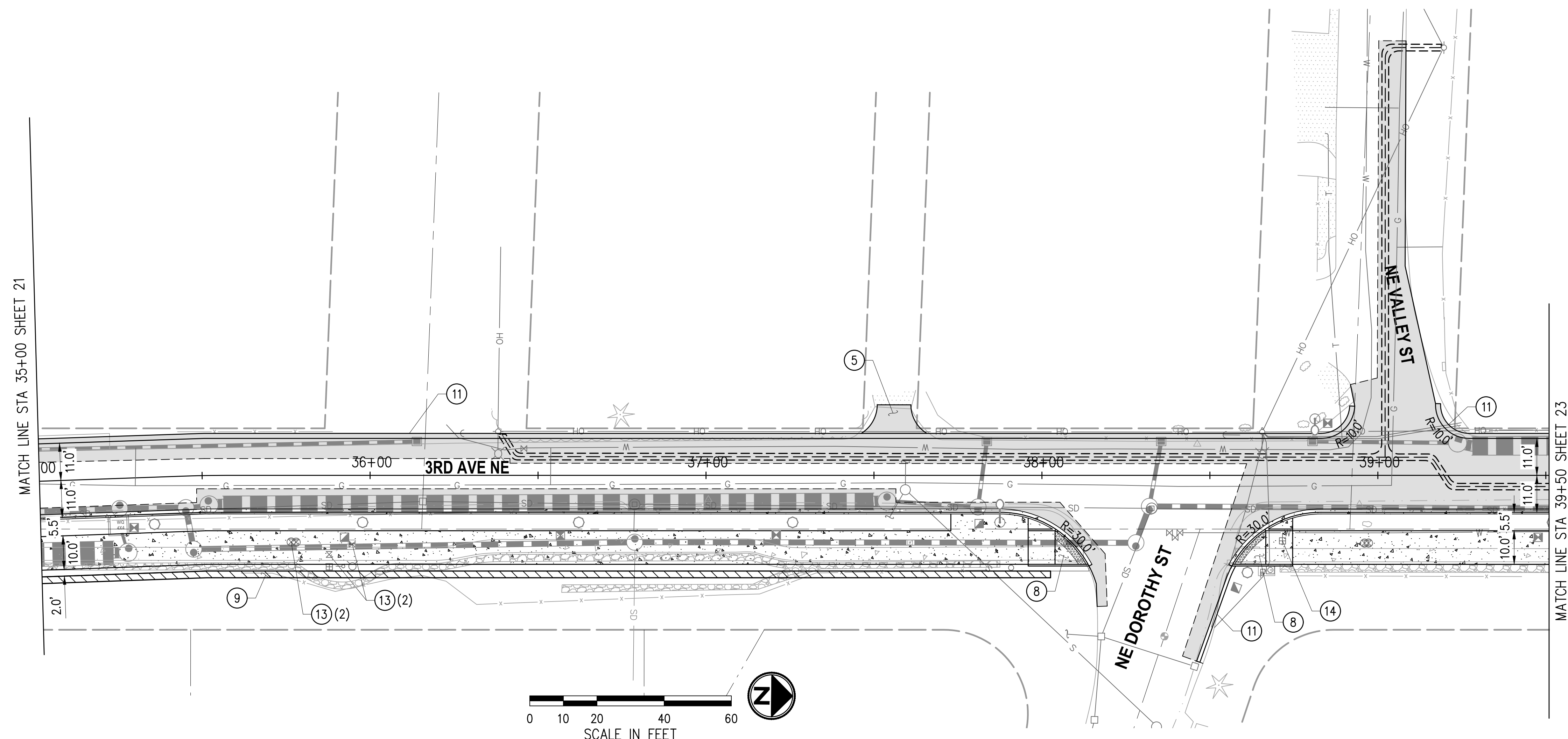
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KPG PROJECT No. 21078	SHT <u>21</u> OF <u>82</u>

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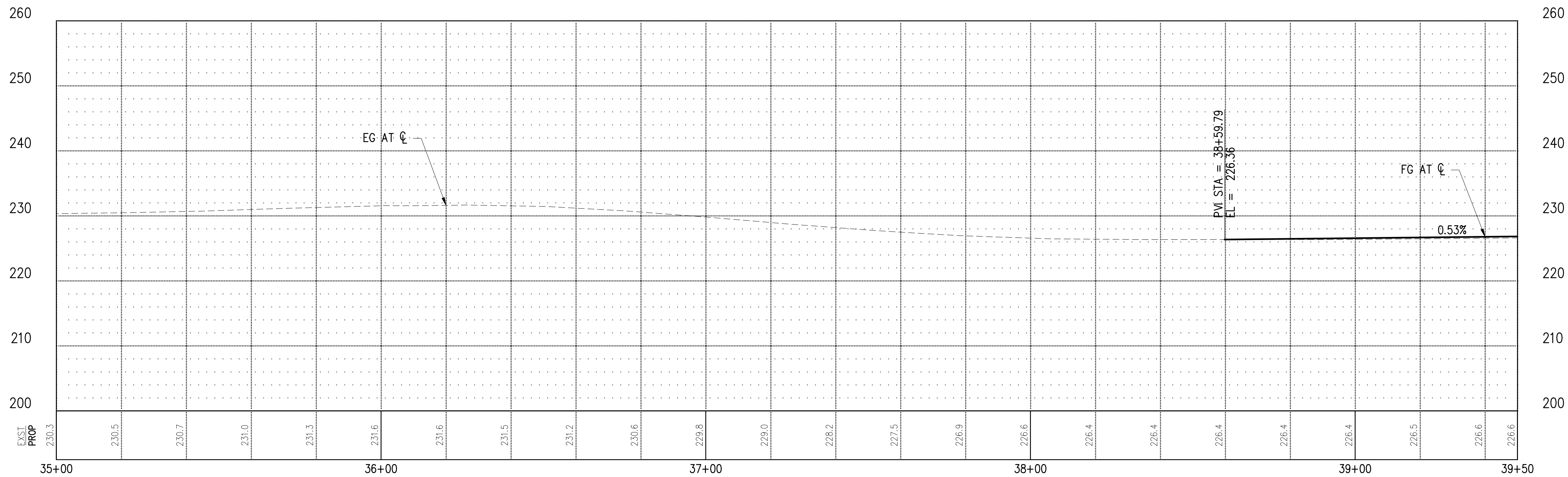
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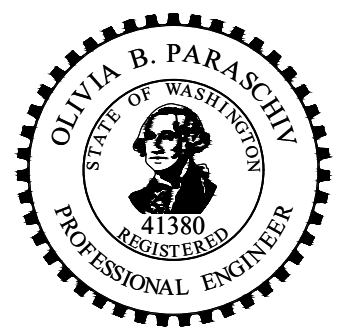
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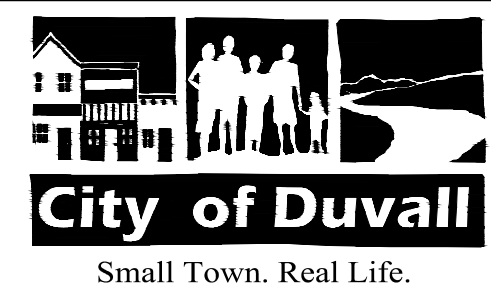
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**CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION**


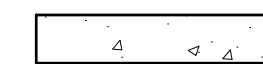
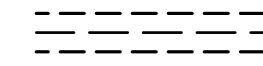


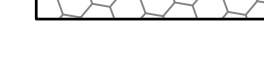
**ROADWAY PLAN & PROFILE  
 STA 35+00 TO STA 39+50**

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**GENERAL NOTES**

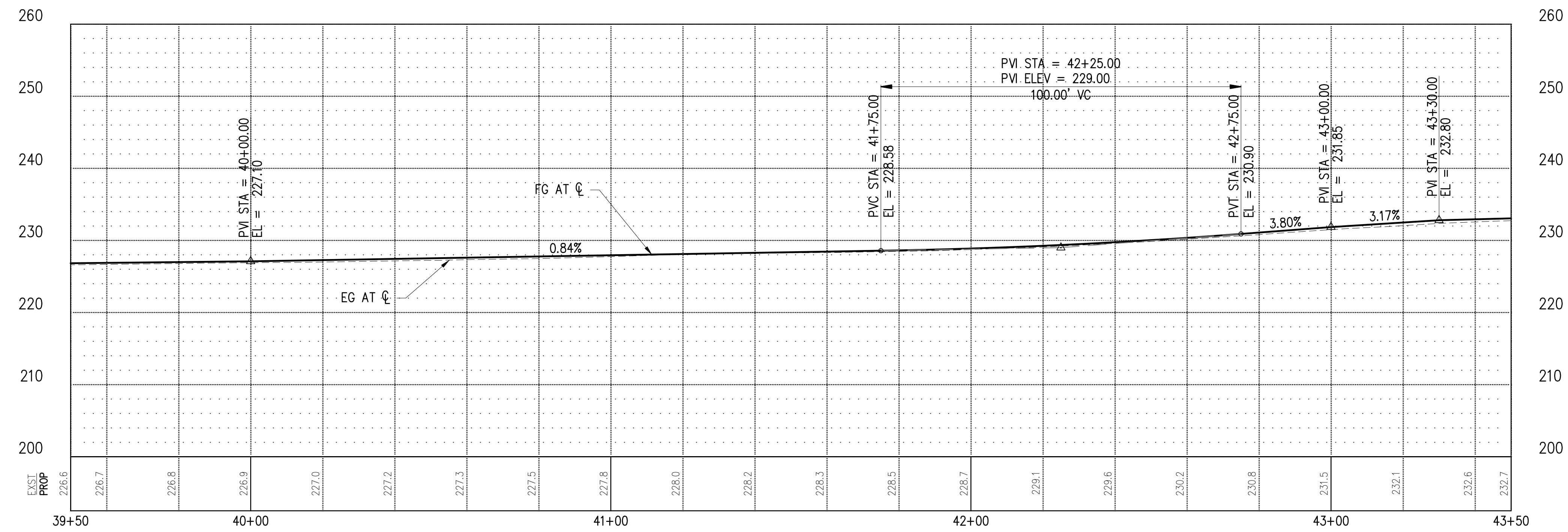
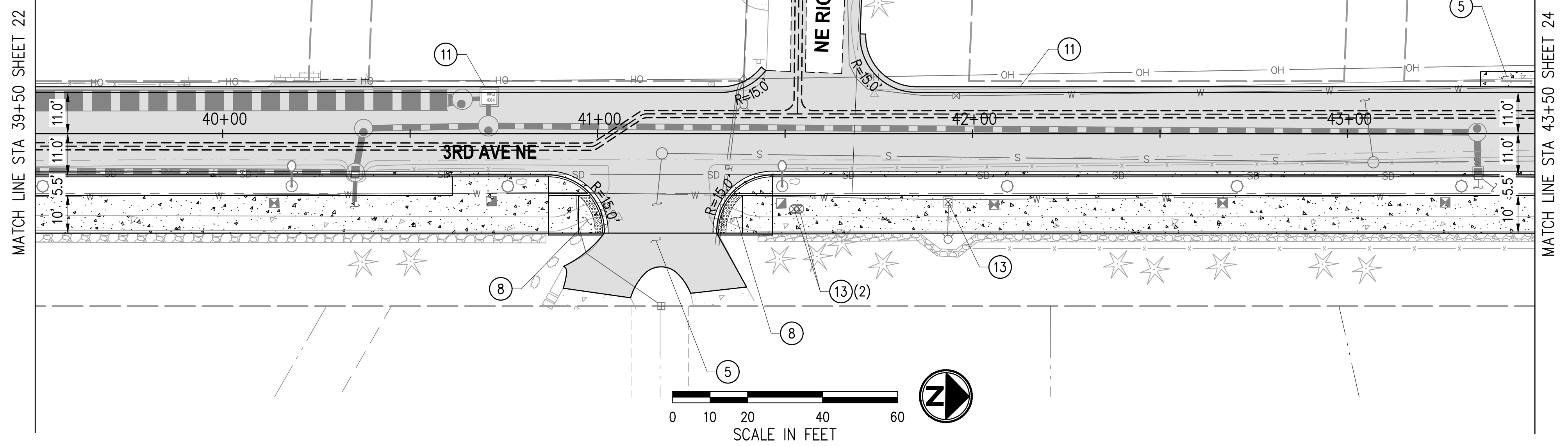
1. CONSTRUCT CEMENT CONC. CURB, GUTTER, AND SIDEWALK PER TYPICAL SECTIONS, SHEET 5-7.
2. FOR REMOVALS, SEE SITE PREPARATION PLANS, SHEETS 8-13.
3. FOR STORMWATER PLAN AND PROFILES, SEE SHEETS 27-36.
4. FOR IRRIGATION AND LANDSCAPING PLANS AND DETAILS, SEE SHEETS 73-56.
5. FOR URBAN DESIGN PLANS AND DETAILS, SEE SHEET 57-88.
6. FOR ILLUMINATION AND DETAILS, SEE SHEETS 45-56.
7. FOR JOINT UTILITY TRENCH PLANS AND DETAILS, SEE SHEETS 72-74.
8. FOR CHANNELIZATION AND SIGNING PLANS, SEE SHEETS 77-81.

**LEGEND**

-  HMA FOR NEW PAVEMENT SECTION
-  CEMENT CONC PAVEMENT
-  JOINT UTILITY TRENCH (SEE SHEETS 72-74)
-  STORM DRAIN (SEE SHEETS 27-36)
-  RETAINING WALL
-  PERVIOUS CONCRETE SIDEWALK

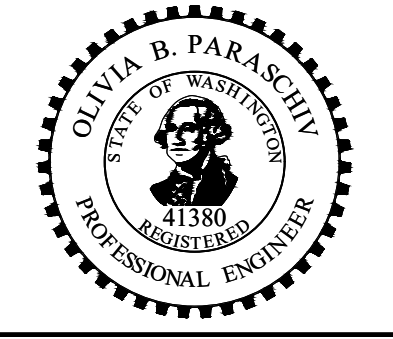
**CONSTRUCTION NOTES**

- 1 MATCH EXISTING.
- 2 CONSTRUCT MOUNTABLE MINI ROUNDABOUT.
- 3 CONSTRUCT CEMENT CONC BIKE RAMP.
- 4 CONSTRUCT CEMENT CONC DRIVEWAY ENTRANCE.
- 5 RECONSTRUCT DRIVEWAY.
- 6 CONSTRUCT CEMENT CONC CURB RAMP TYPE PERPENDICULAR A.
- 7 CONSTRUCT CEMENT CONC CURB RAMP TYPE PARALLEL A.
- 8 CONSTRUCT CEMENT CONC CURB RAMP TYPE SINGLE DIRECTION A.
- 9 CONSTRUCT RETAINING WALL.
- 10 INSTALL FENCE.
- 11 CONSTRUCT ASPHALT WEDGE CURB.
- 13 ADJUST WATER VALVE BOX TO GRADE.
- 14 ADJUST WATER METER BOX TO GRADE.
- 15 ADJUST MONUMENT CASE AND COVER TO GRADE.
- 16 ADJUST SEWER MANHOLE TO GRADE.
- 17 ADJUST GAS VALVE TO GRADE.
- 18 ADJUST UTILITY VAULT TO GRADE.
- 19 RELOCATE MAILBOX.

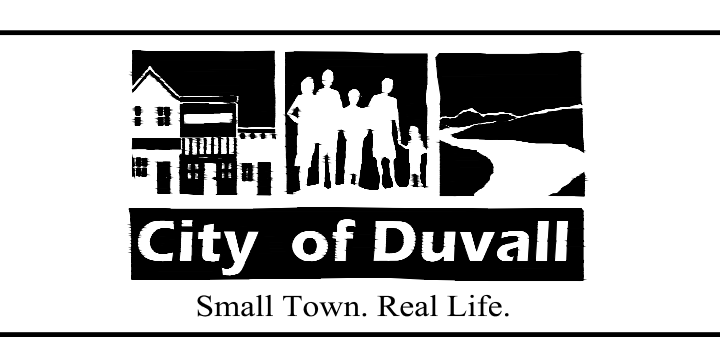


NO.	DATE	BY	APPR.	REVISIONS

<b>Approved By</b>		21078RDWY-PLN-02.dwg
ENGINEERING MANAGER	DATE	JRW 02/2023
PROJECT MANAGER	DATE	AAE 02/2023
PROJECT ENGINEER	DATE	OBP 02/2023
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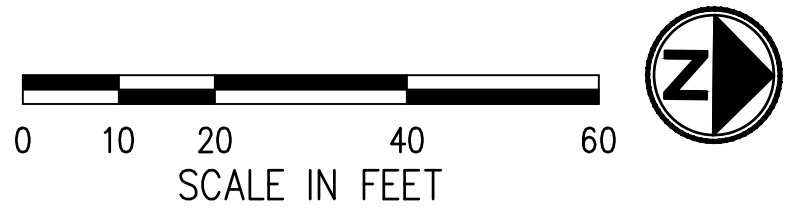
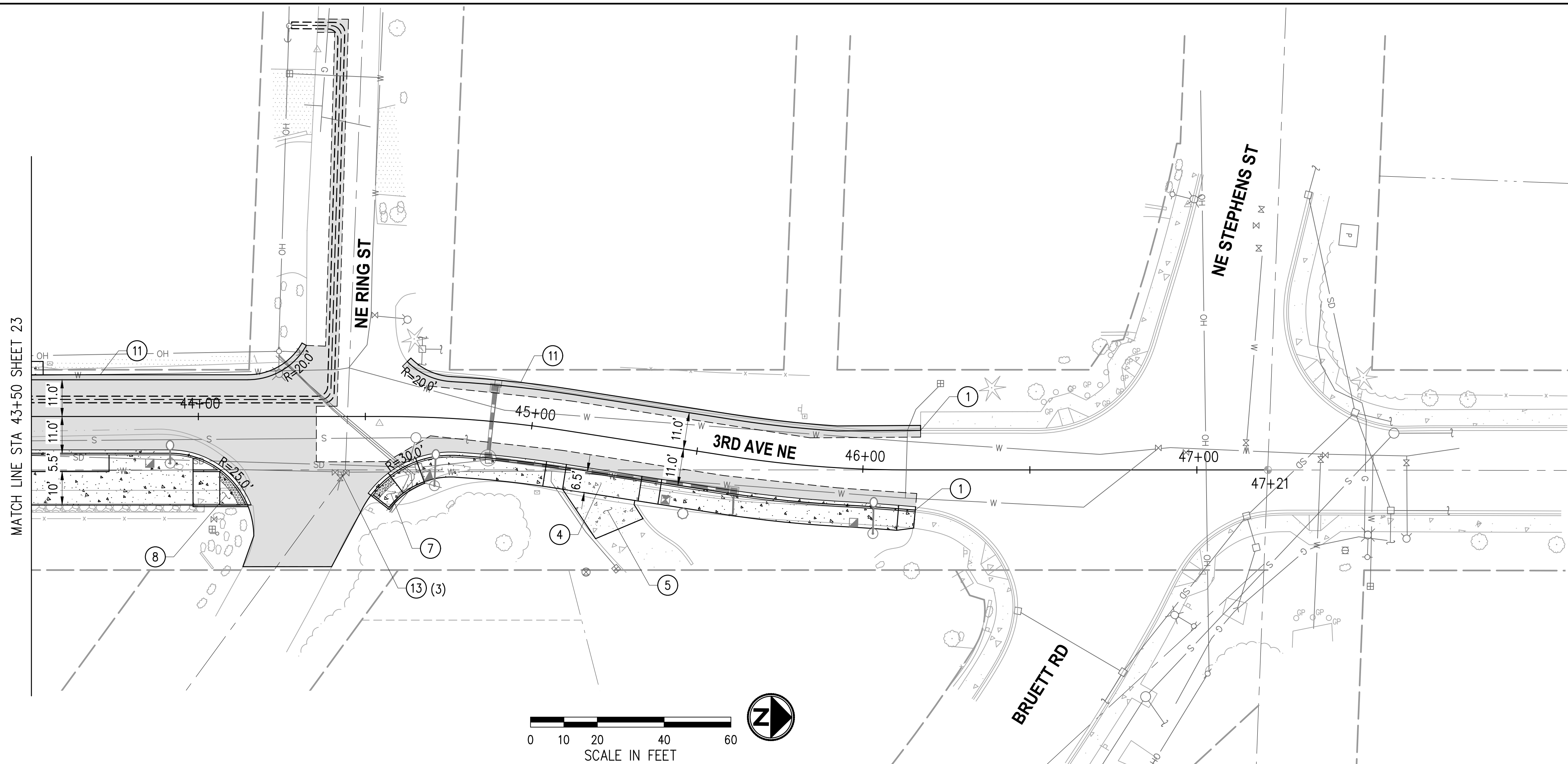


**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**ROADWAY PLAN & PROFILE**  
 STA 39+50 TO STA 43+50

KPG PROJECT No. 21078 SHT 23 OF 82

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**GENERAL NOTES**

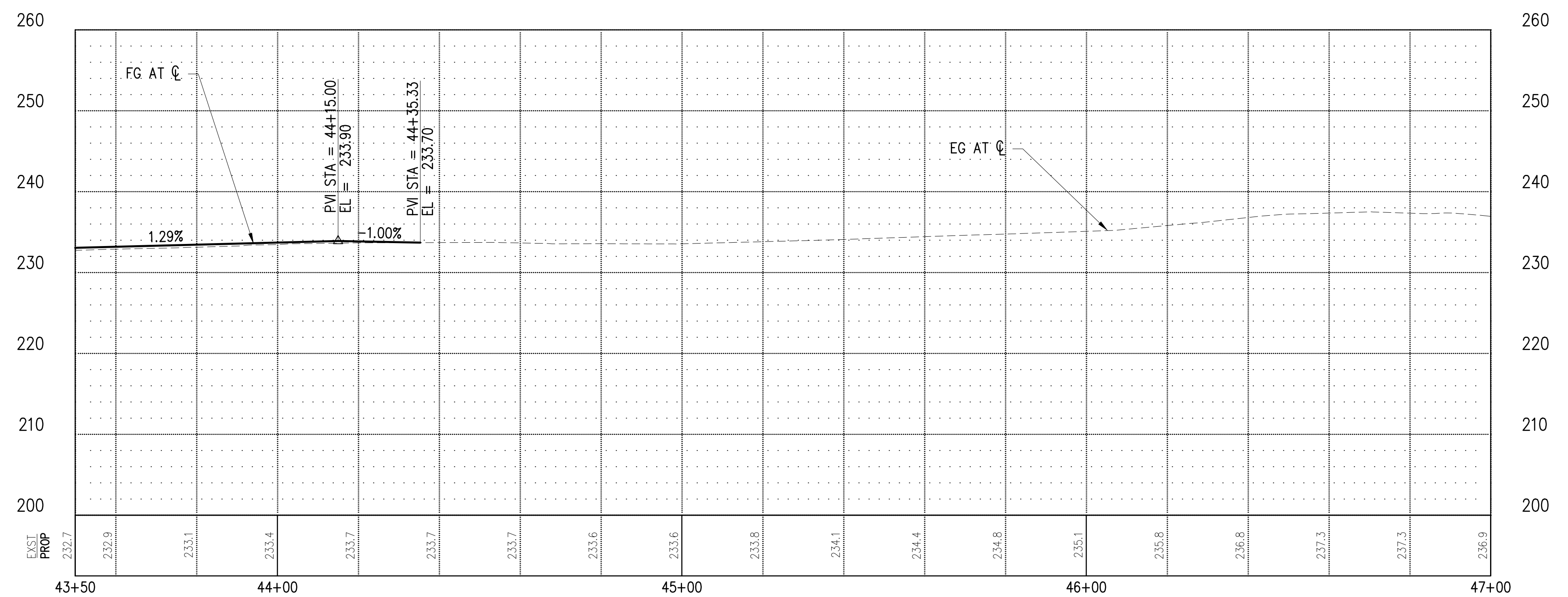
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**LEGEND**

- HMA FOR NEW PAVEMENT SECTION
- CEMENT CONC PAVEMENT
- JOINT UTILITY TRENCH (SEE SHEETS 72-74)
- STORM DRAIN (SEE SHEETS 27-36)
- RETAINING WALL
- PERVIOUS CONCRETE SIDEWALK

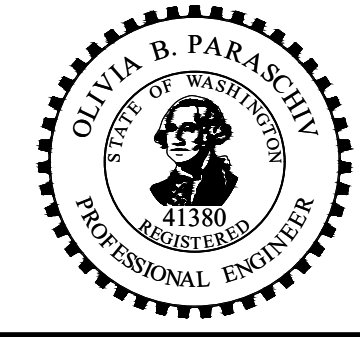
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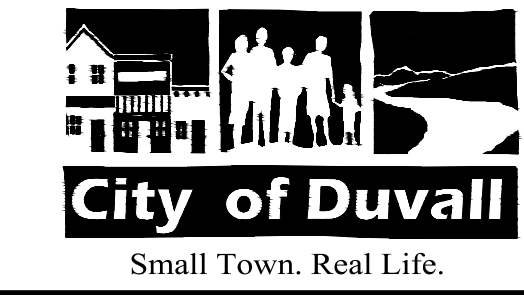
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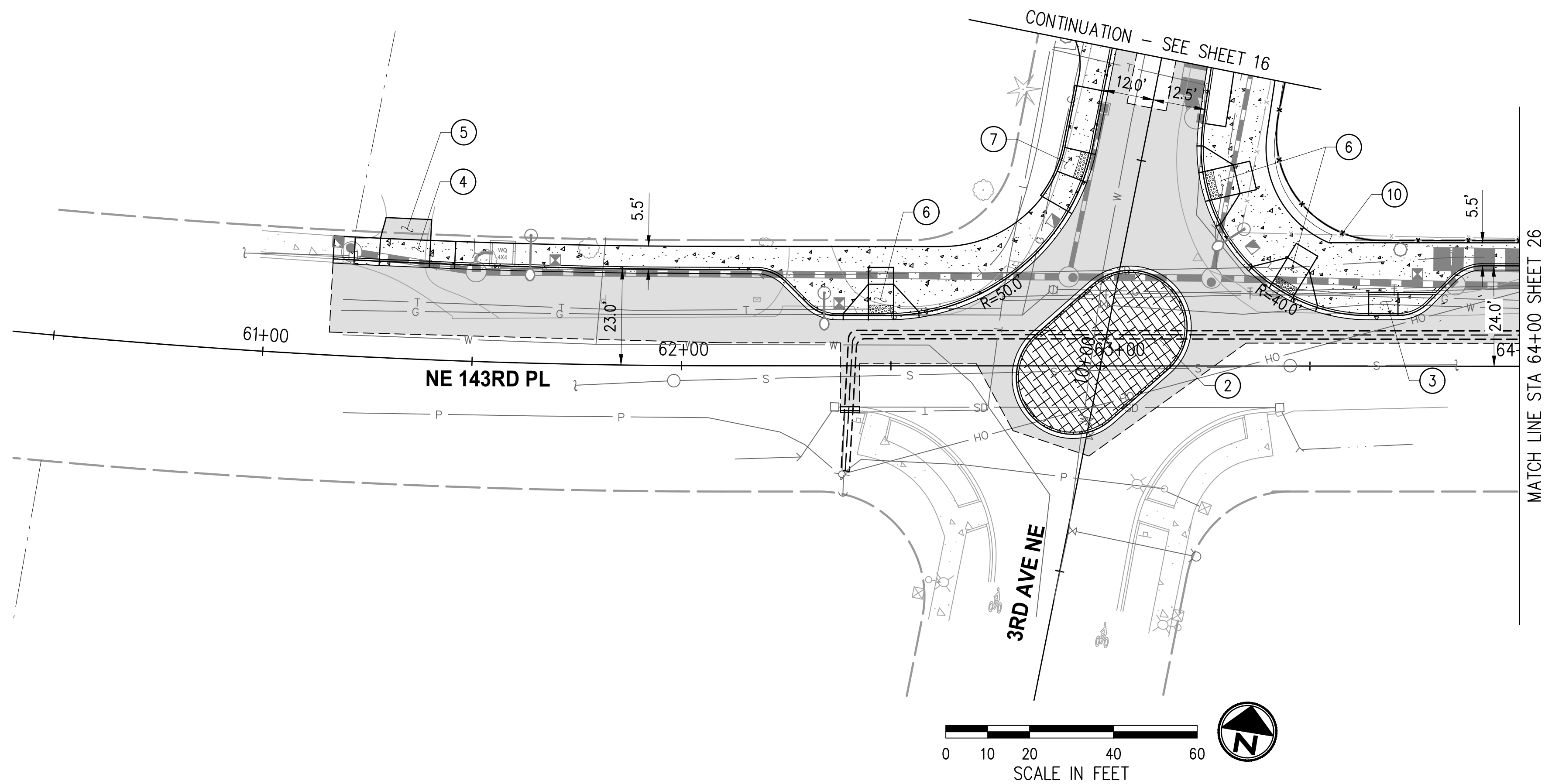
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

<b>ROADWAY PLAN &amp; PROFILE</b>	
STA 43+50 TO STA 47+00	
KPG PROJECT No. 21078	SHT <u>24</u> OF <u>82</u>

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**GENERAL NOTES**

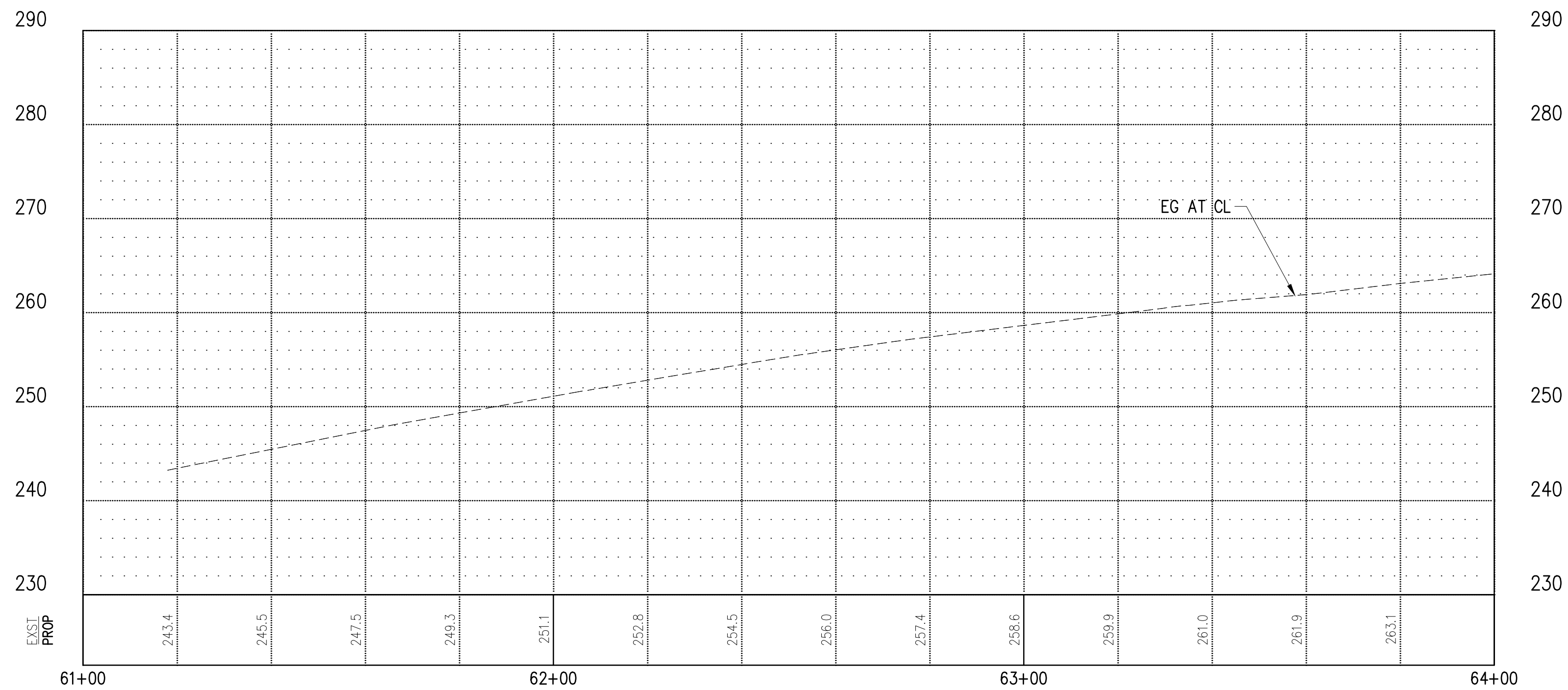
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- HMA FOR NEW PAVEMENT SECTION
- CEMENT CONC PAVEMENT
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- RETAINING WALL
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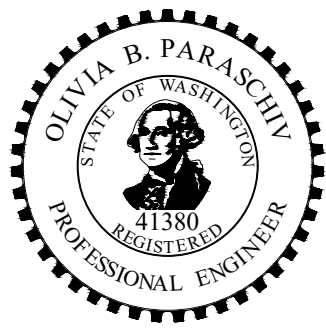
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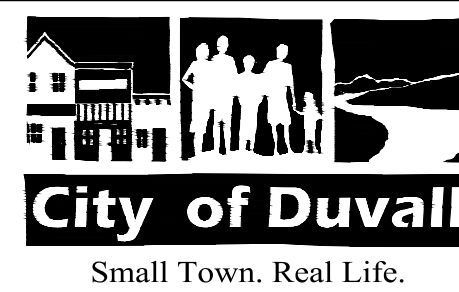
NO.	DATE	BY	APPR.	REVISIONS

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PROJECT ENGINEER	DATE	DESIGNED BY
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		DRAWN BY
		OBP 02/2023
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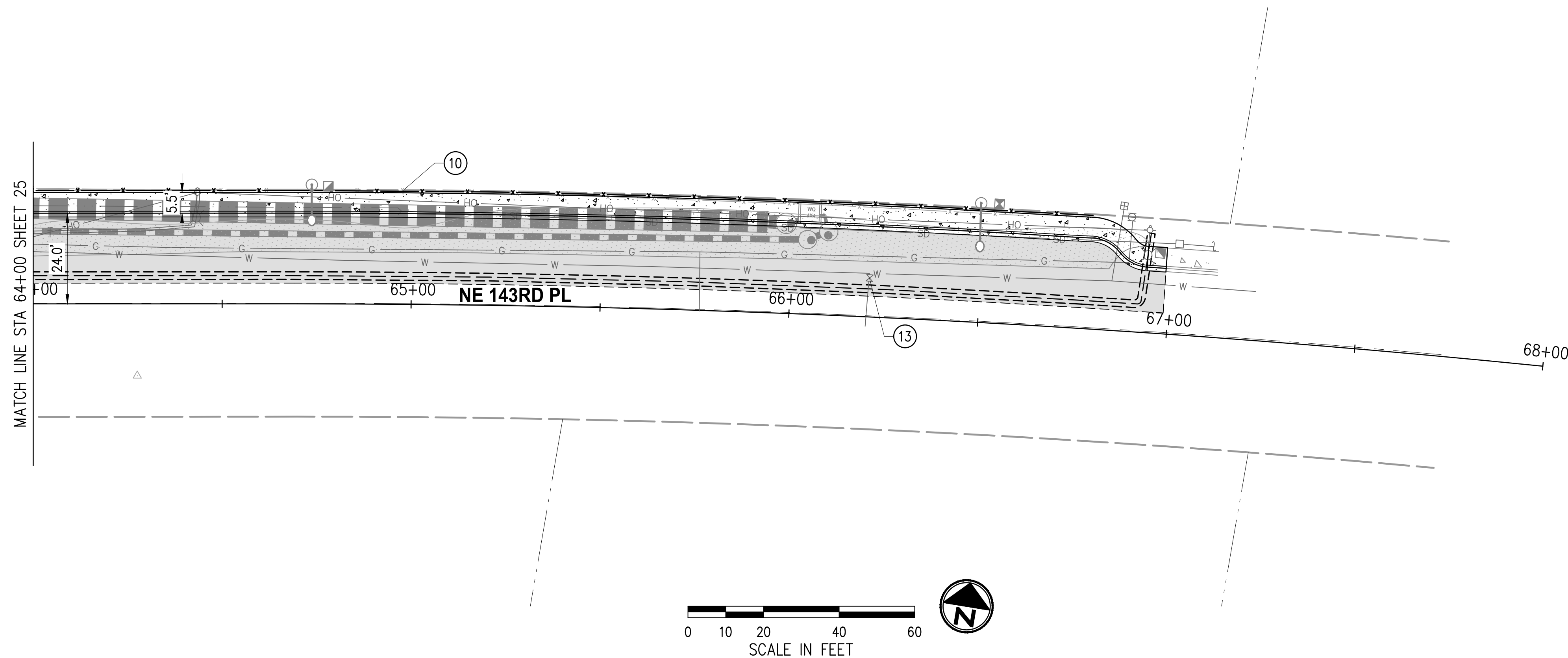
**30% REVIEW SUBMITTAL**



**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**ROADWAY PLAN & PROFILE**  
 STA 60+50 TO STA 64+00

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**GENERAL NOTES**

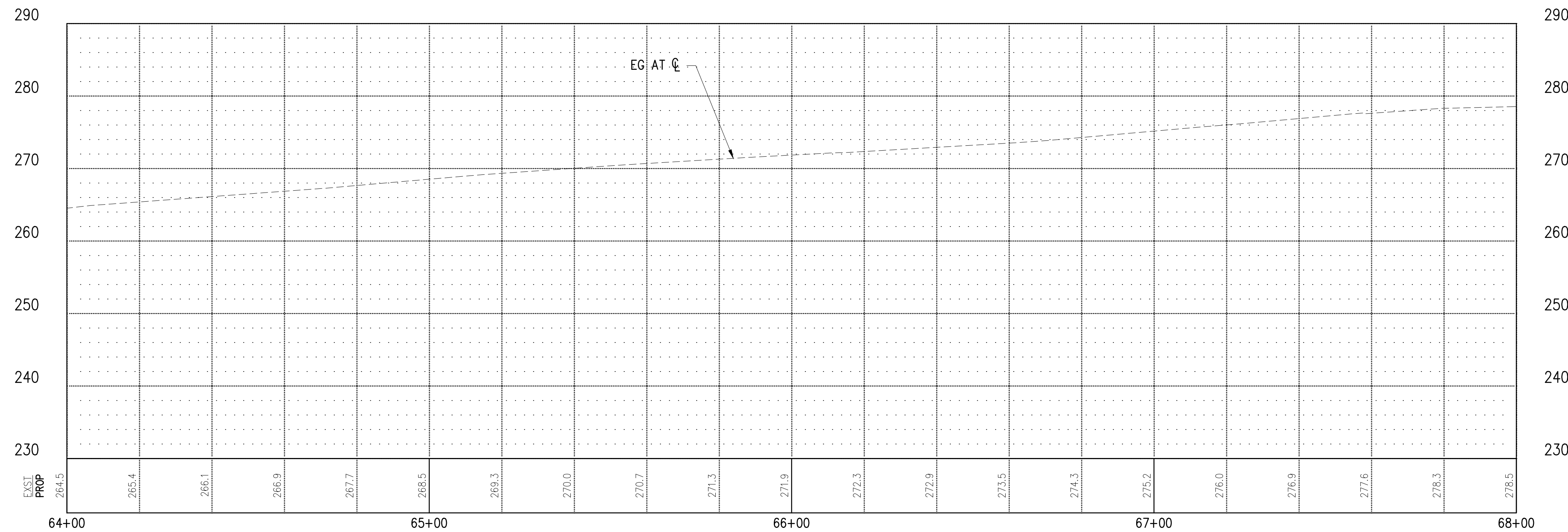
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- ⑲ RELOCATE MAILBOX.



NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

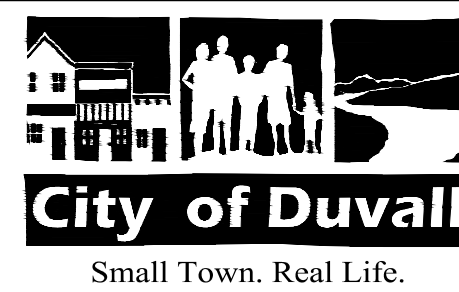
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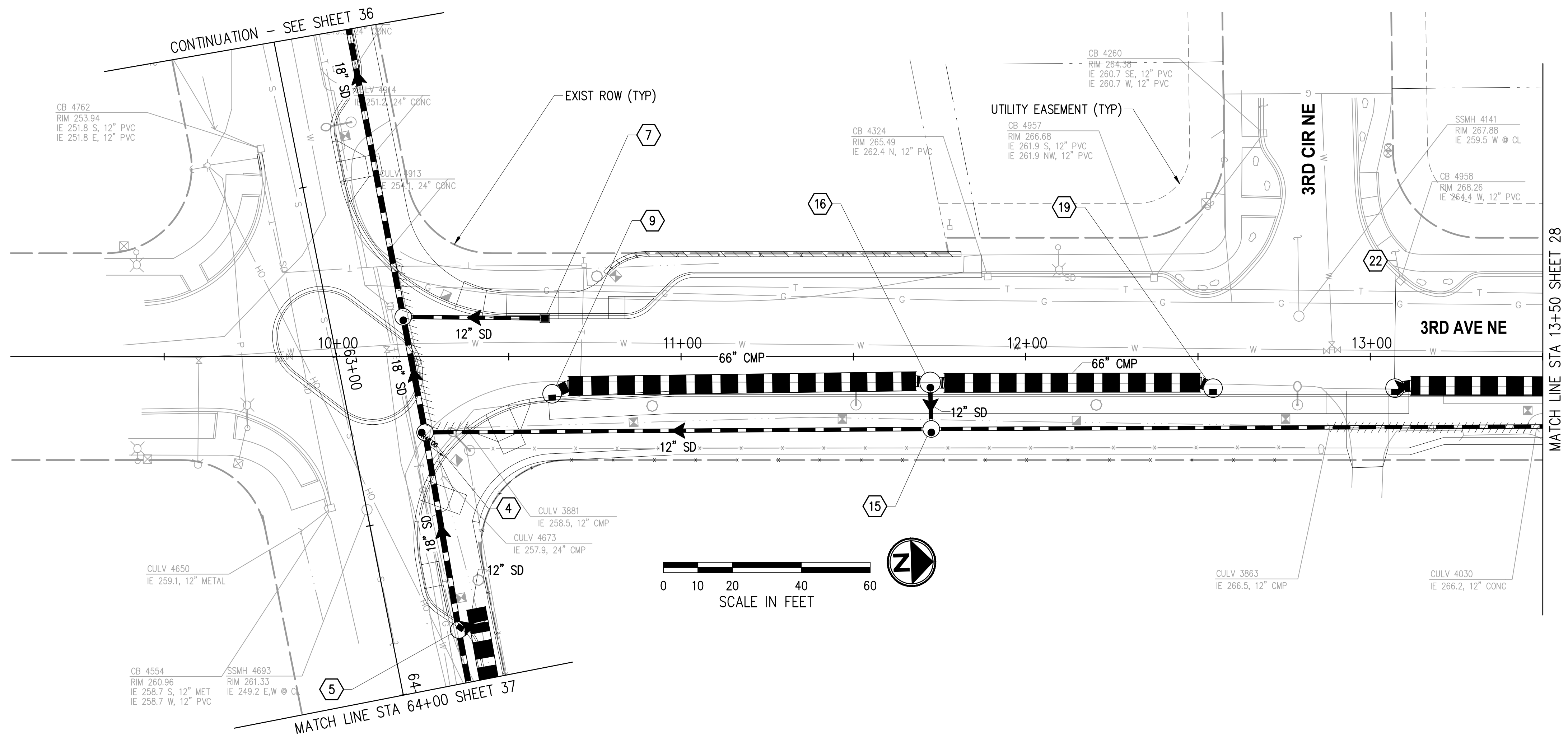
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**CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION**

**ROADWAY PLAN & PROFILE  
 STA 64+00 TO STA 68+00**

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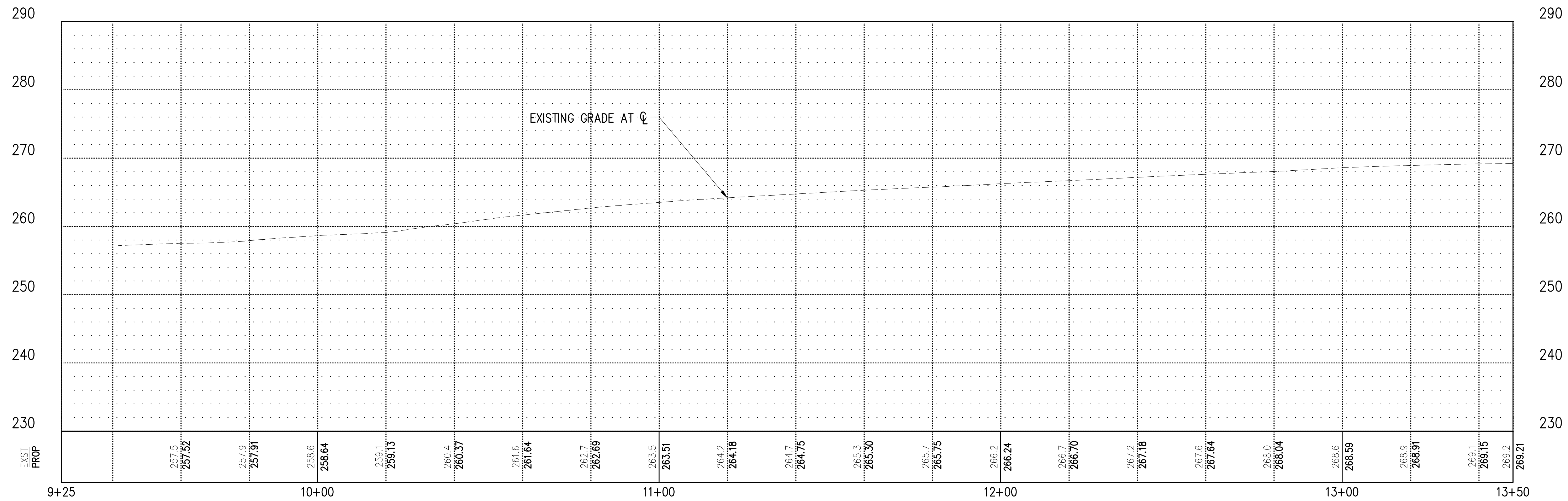
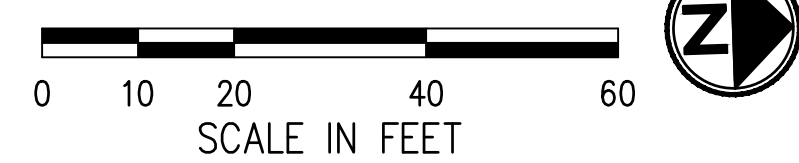


**GENERAL NOTES**

1. THE CONTRACTOR SHALL PROTECT ALL PRIVATE AND PUBLIC UTILITIES FROM DAMAGE WHEN TRENCHING ACROSS OR BESIDE EXISTING UTILITIES.
2. CATCH BASINS SHALL CONFORMING TO THE FOLLOWING STANDARD PLANS:
  - a. TYPE 1 PER COD STD DETAIL 3-020-003
  - b. TYPE 1L PER COD STD DETAIL 3-020-004
  - c. TYPE 2 PER COD STD DETAIL 3-020-005
  - d. CONCRETE INLET PER COD STD DETAIL 3-020-012
3. STATION/OFFSET CALLOUTS AND RIM ELEVATIONS PROVIDED ARE FOR THE CENTER OF THE DRAINAGE STRUCTURE.
4. TYPICAL TRENCH AND BACKFILL FOR STORM DRAIN PIPE INSTALLATION SHALL BE PER COD STD DETAIL 5-010-007.
5. STORM PIPES SHALL BE PVC, UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- ① CONNECT EXISTING STORM DRAIN PIPE TO NEW STRUCTURE.
- ② CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
- ③ ADJUST EXISTING STORM DRAIN STRUCTURE TO GRADE.
- ④ REMOVE OR ABANDON EXISTING DRAINAGE STRUCTURE.
- ⑤ CONNECT NEW PIPE TO EXISTING PIPE.
- ⑥ INSTALL OUTFALL PROTECTION.



**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

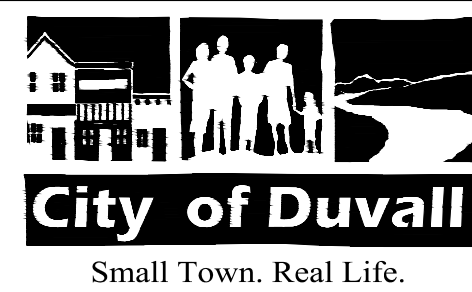
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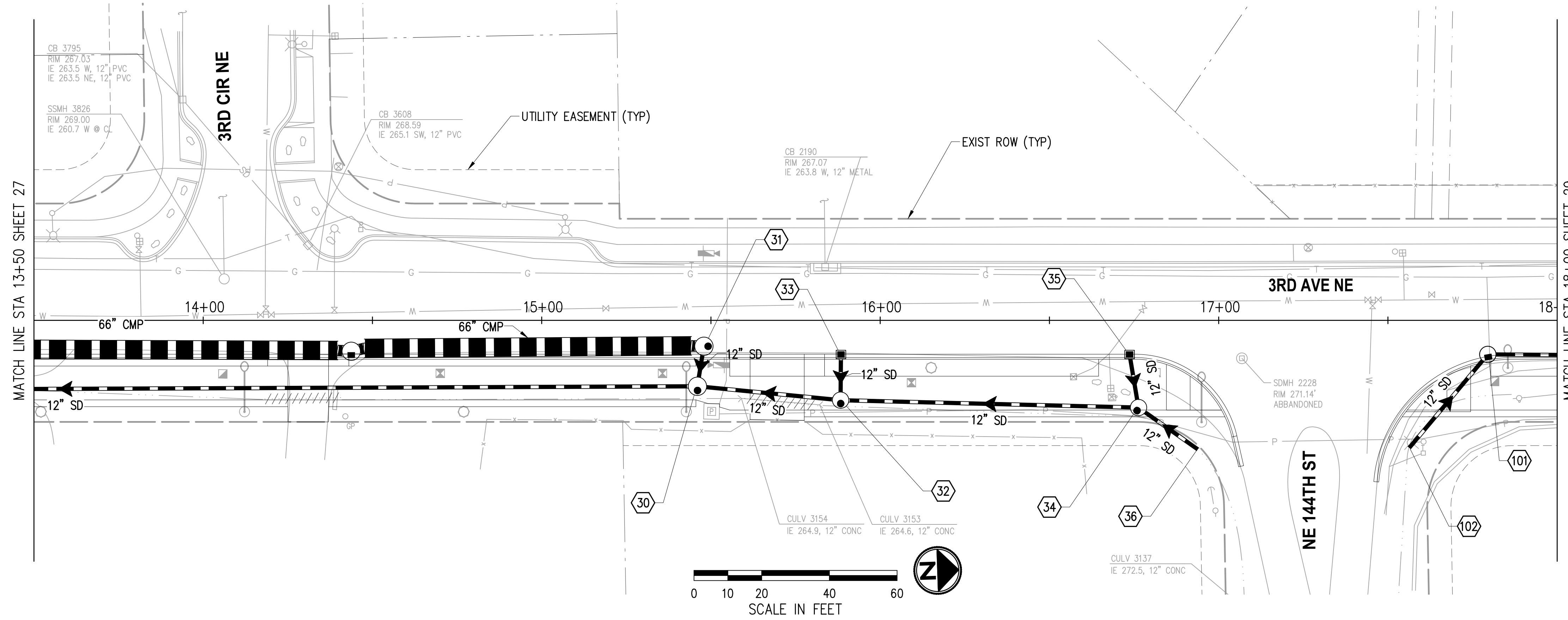
**30% REVIEW SUBMITTAL**



**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE**  
 STA 9+25 TO STA 13+50

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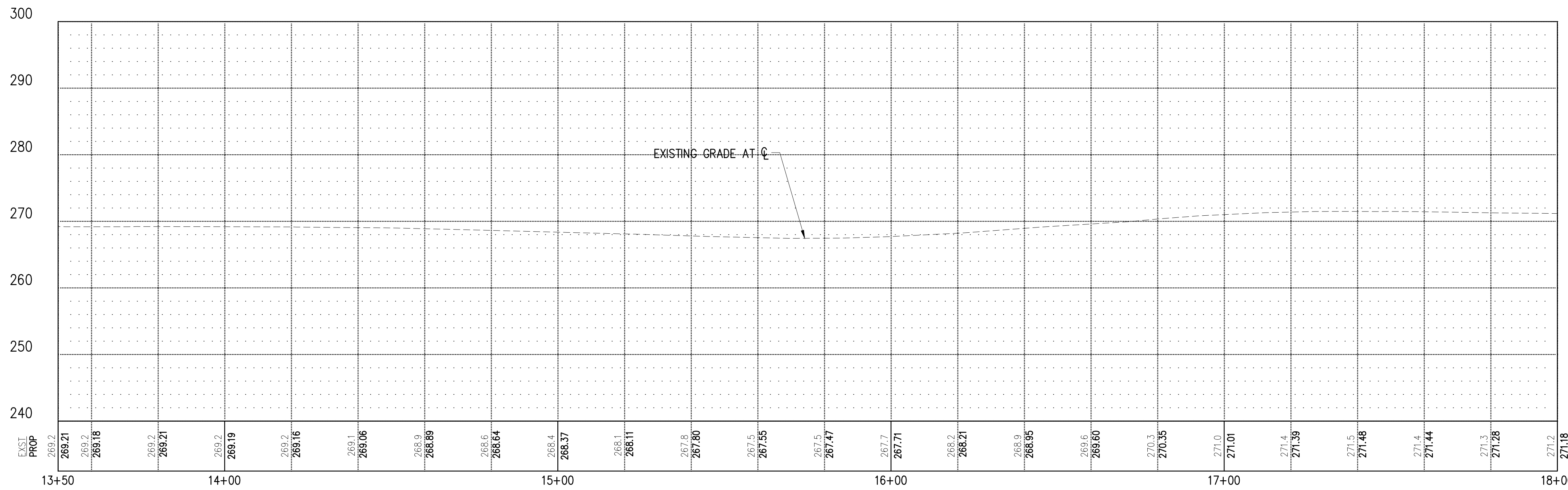


**GENERAL NOTES**

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2. CATCH BASINS SHALL CONFORMING TO THE FOLLOWING STANDARD PLANS:
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  - b. TYPEL 1L PER COD STD DETAIL 3-020-004
  - c. TYPE 2 PER COD STD DETAIL 3-020-005
  - d. CONCRETE INLET PER COD STD DETAIL 3-020-012
3. STATION/OFFSET CALLOUTS AND RIM ELEVATIONS PROVIDED ARE FOR THE CENTER OF THE DRAINAGE STRUCTURE.
4. TYPICAL TRENCH AND BACKFILL FOR STORM DRAIN PIPE INSTALLATION SHALL BE PER COD STD DETAIL 5-010-007.
5. STORM PIPES SHALL BE PVC, UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- ① CONNECT EXISTING STORM DRAIN PIPE TO NEW STRUCTURE.
- ② CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
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**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
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- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

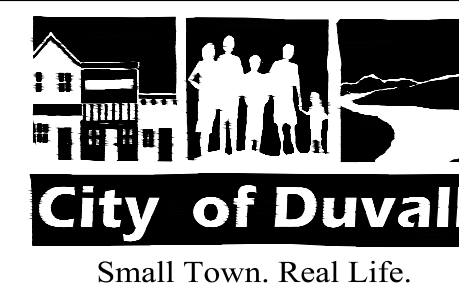
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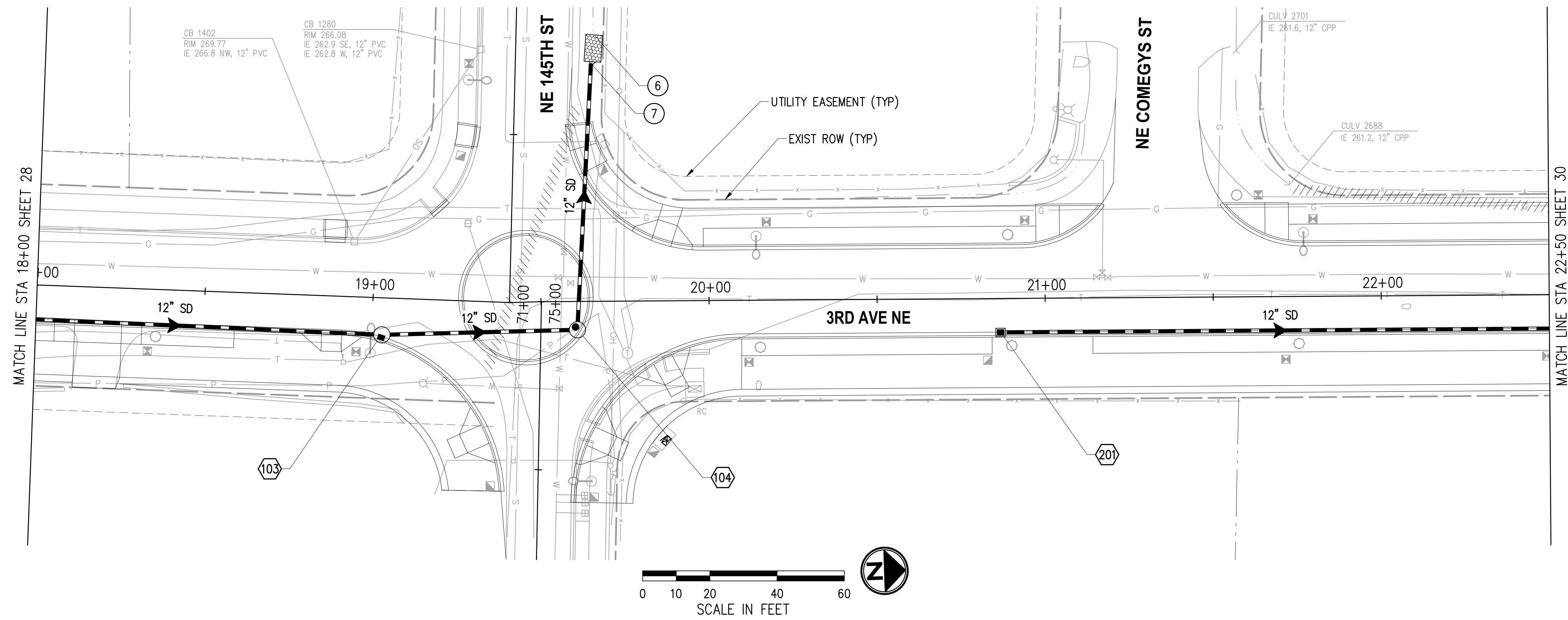
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**CITY OF DUVALL  
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**STORMWATER PLAN & PROFILE  
 STA 13+50 TO STA 18+00**

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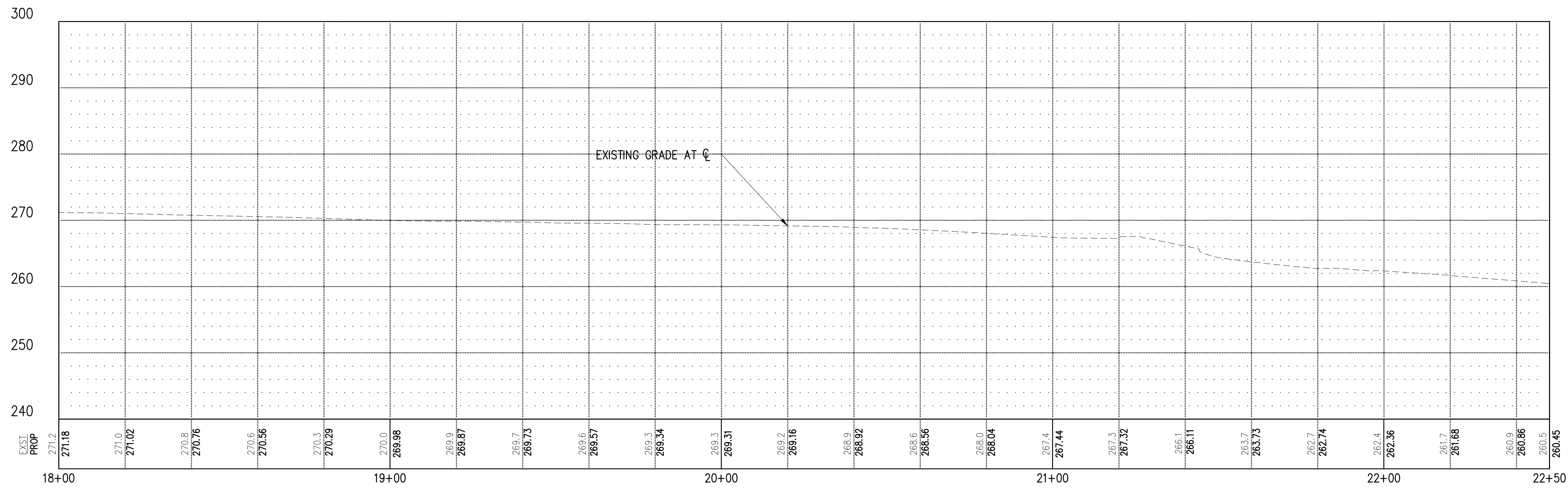


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- ⑤ CONNECT NEW PIPE TO EXISTING PIPE.
- ⑥ INSTALL OUTFALL PROTECTION.
- ⑦ INSTALL BEVELED END PIPE SECTION PER COD STD DETAIL 3-020-001.

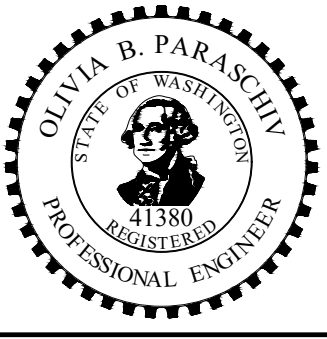


**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

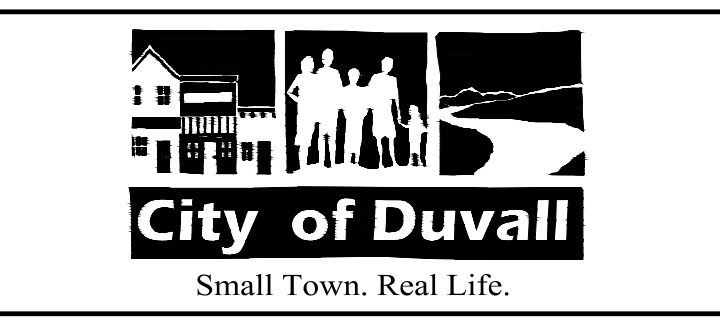
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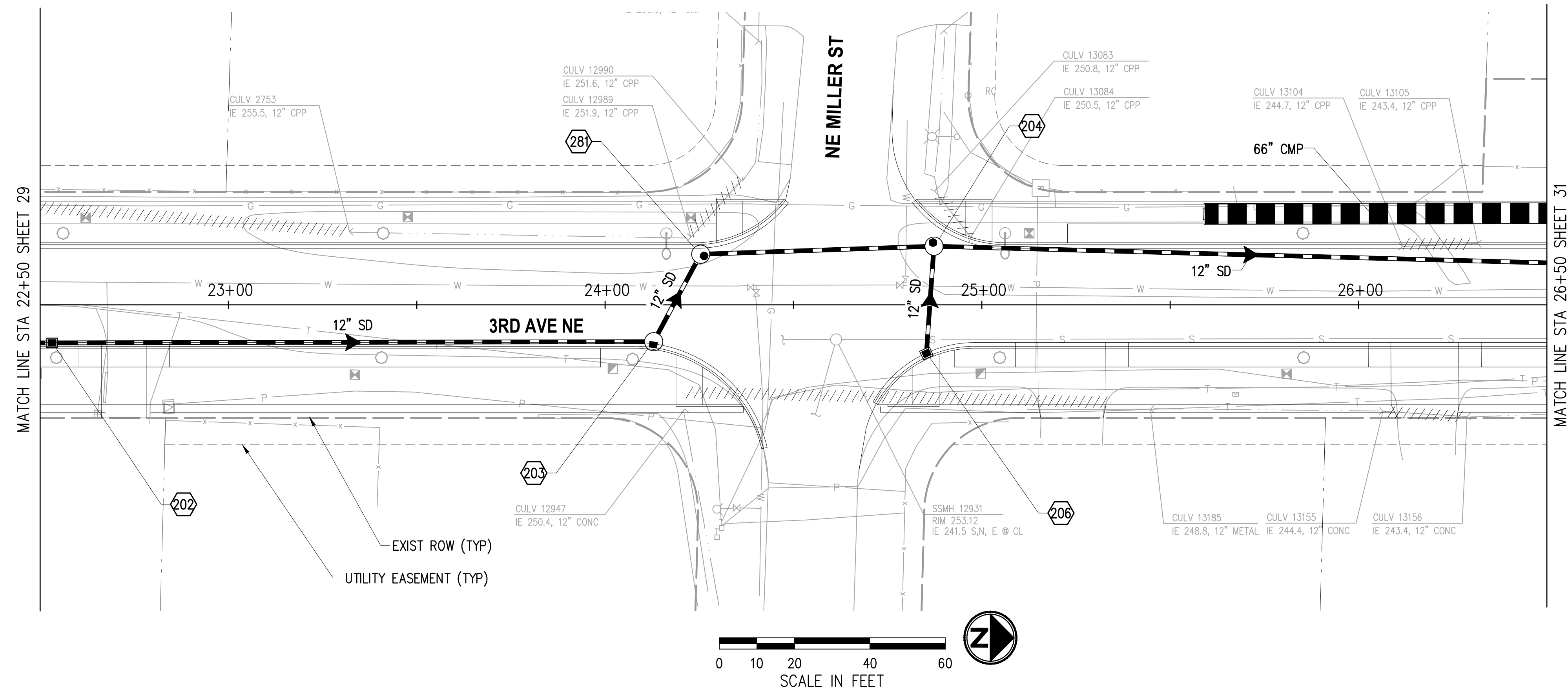
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE**  
 STA 18+00 TO STA 22+50  
 KPG PROJECT No. 21078 SHT 29 OF 82

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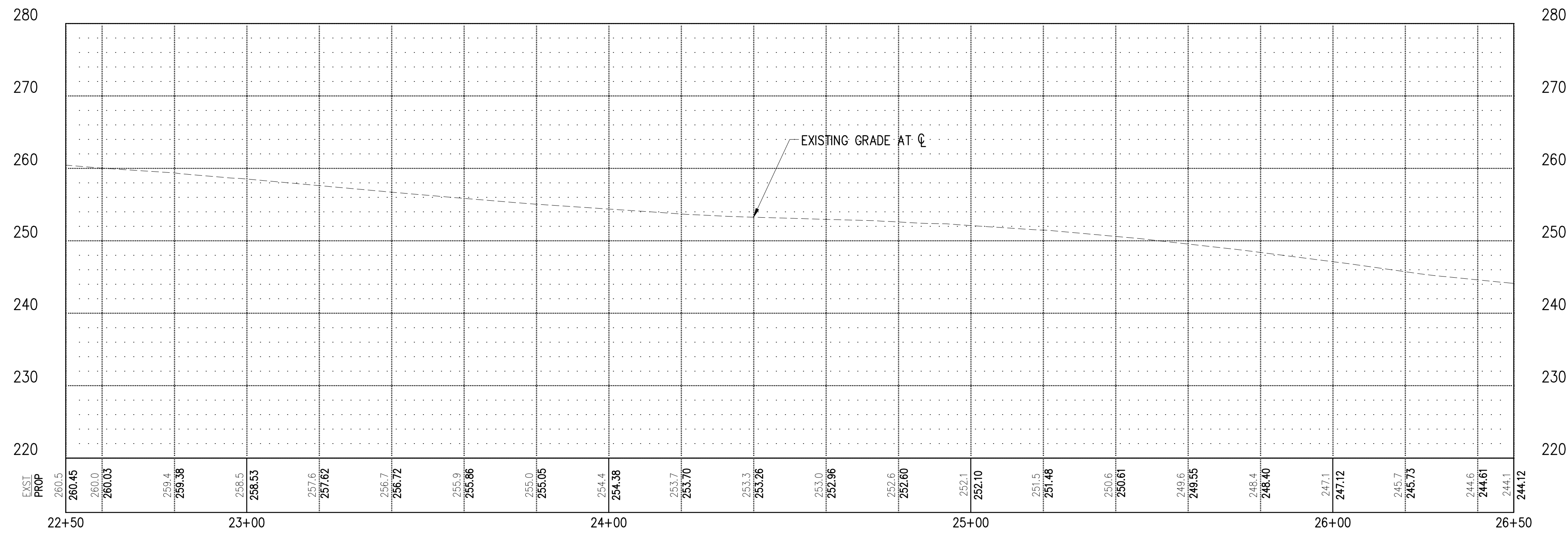


**GENERAL NOTES**

1. THE CONTRACTOR SHALL PROTECT ALL PRIVATE AND PUBLIC UTILITIES FROM DAMAGE WHEN TRENCHING ACROSS OR BESIDE EXISTING UTILITIES.
2. CATCH BASINS SHALL CONFORMING TO THE FOLLOWING STANDARD PLANS:
  - a. TYPE 1 PER COD STD DETAIL 3-020-003
  - b. TYPEL 1L PER COD STD DETAIL 3-020-004
  - c. TYPE 2 PER COD STD DETAIL 3-020-005
  - d. CONCRETE INLET PER COD STD DETAIL 3-020-012
3. STATION/OFFSET CALLOUTS AND RIM ELEVATIONS PROVIDED ARE FOR THE CENTER OF THE DRAINAGE STRUCTURE.
4. TYPICAL TRENCH AND BACKFILL FOR STORM DRAIN PIPE INSTALLATION SHALL BE PER COD STD DETAIL 5-010-007.
5. STORM PIPES SHALL BE PVC, UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- ① CONNECT EXISTING STORM DRAIN PIPE TO NEW STRUCTURE.
- ② CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
- ③ ADJUST EXISTING STORM DRAIN STRUCTURE TO GRADE.
- ④ REMOVE OR ABANDON EXISTING DRAINAGE STRUCTURE.
- ⑤ CONNECT NEW PIPE TO EXISTING PIPE.
- ⑥ INSTALL OUTFALL PROTECTION.



**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

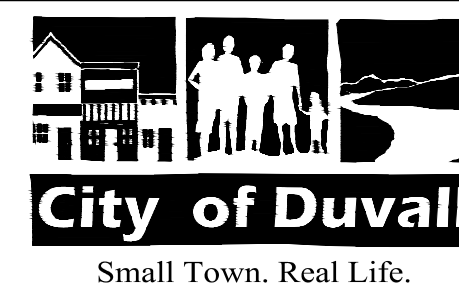
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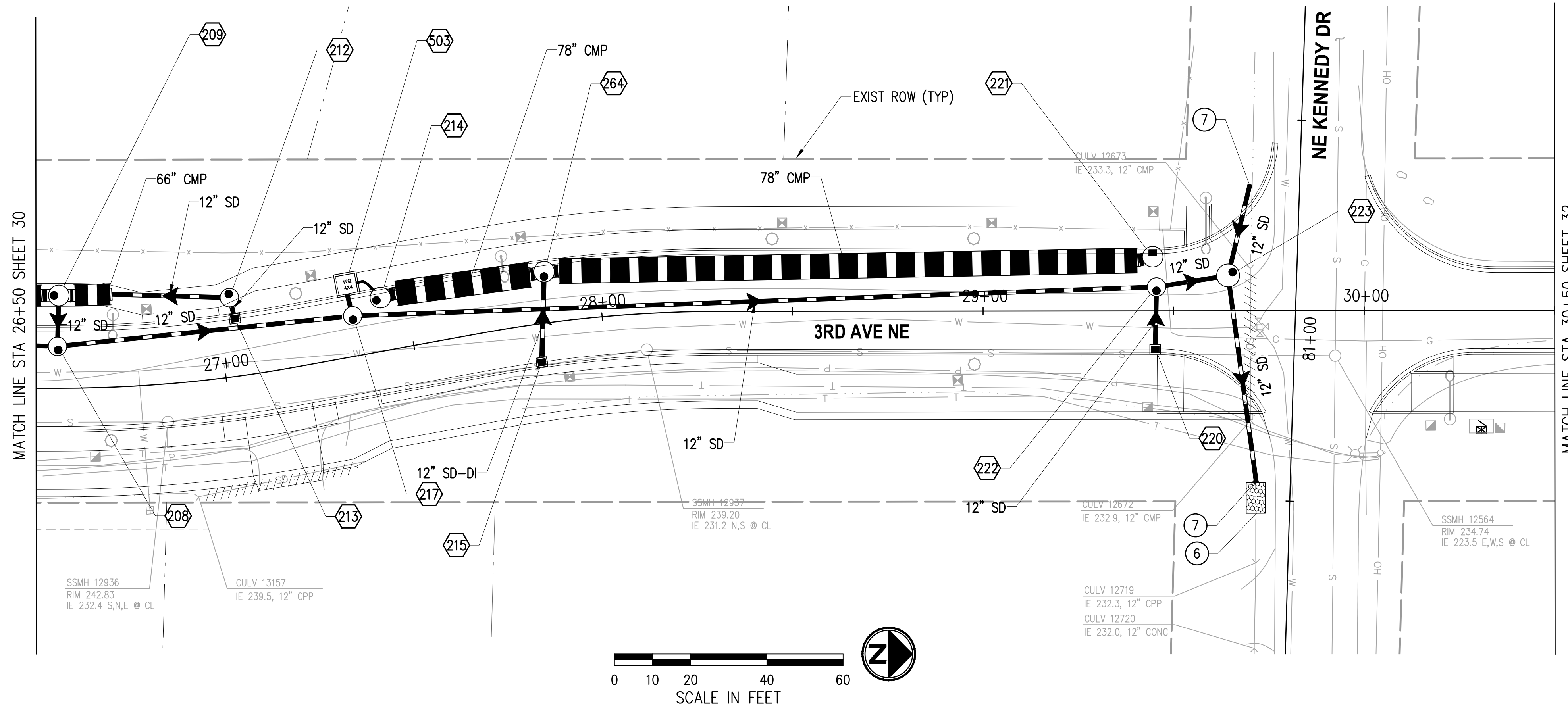
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**CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE  
 STA 22+50 TO STA 26+50**

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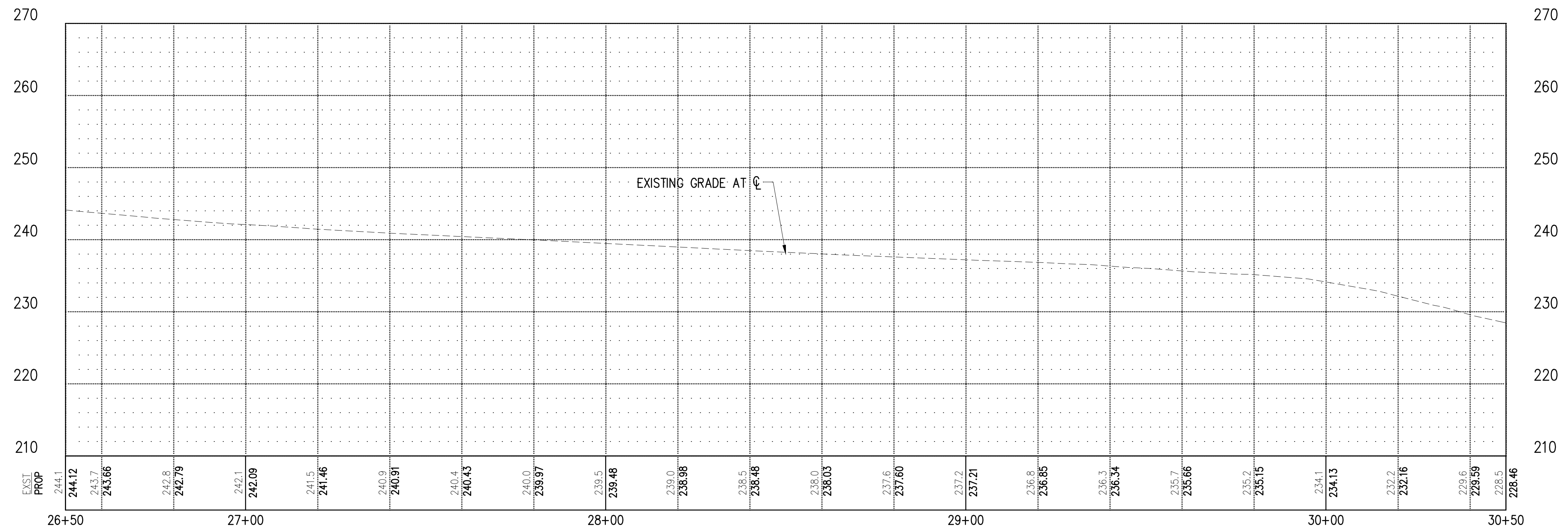


**GENERAL NOTES**

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  - b. TYPE 1L PER COD STD DETAIL 3-020-004
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  - d. CONCRETE INLET PER COD STD DETAIL 3-020-012
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- ② CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
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- ⑥ INSTALL OUTFALL PROTECTION.
- ⑦ INSTALL BEVELED END PIPE SECTION PER COD STD DETAIL 3-020-001.

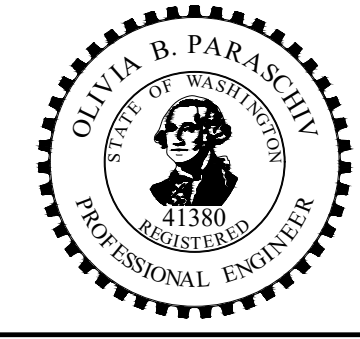


**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

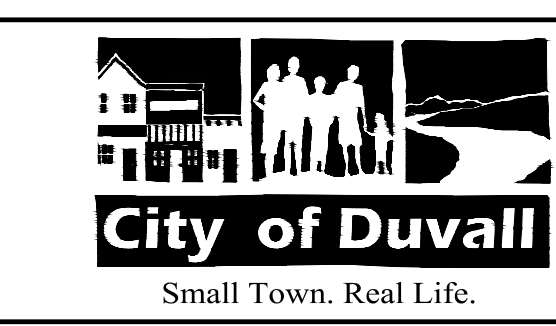
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PROJECT ENGINEER	DATE	SW 02/2023
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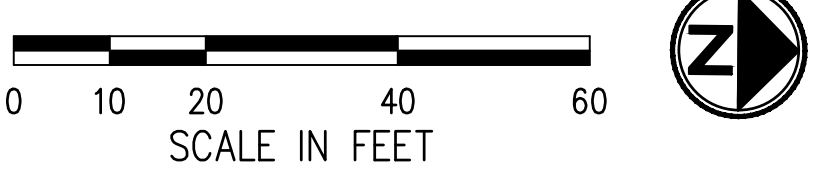
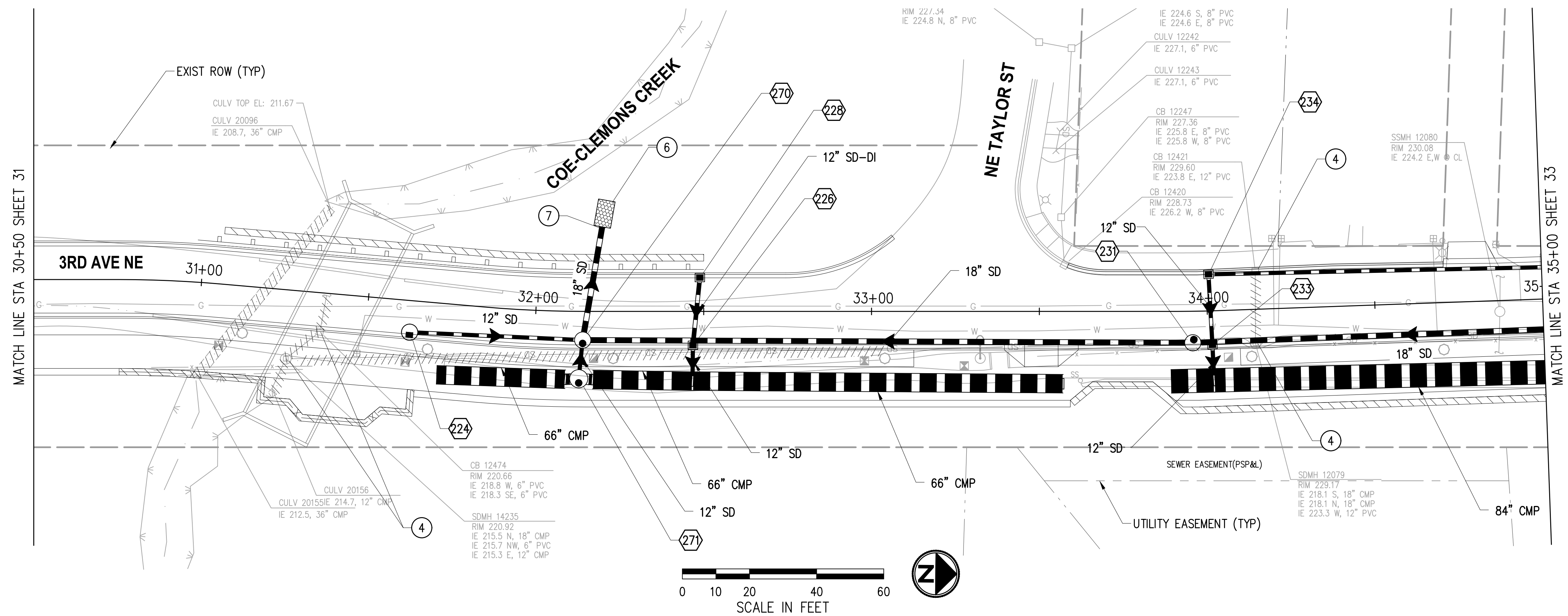
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

STORMWATER PLAN & PROFILE	
STA 26+50 TO STA 30+50	
KPG PROJECT No. 21078	SHT 31 OF 82

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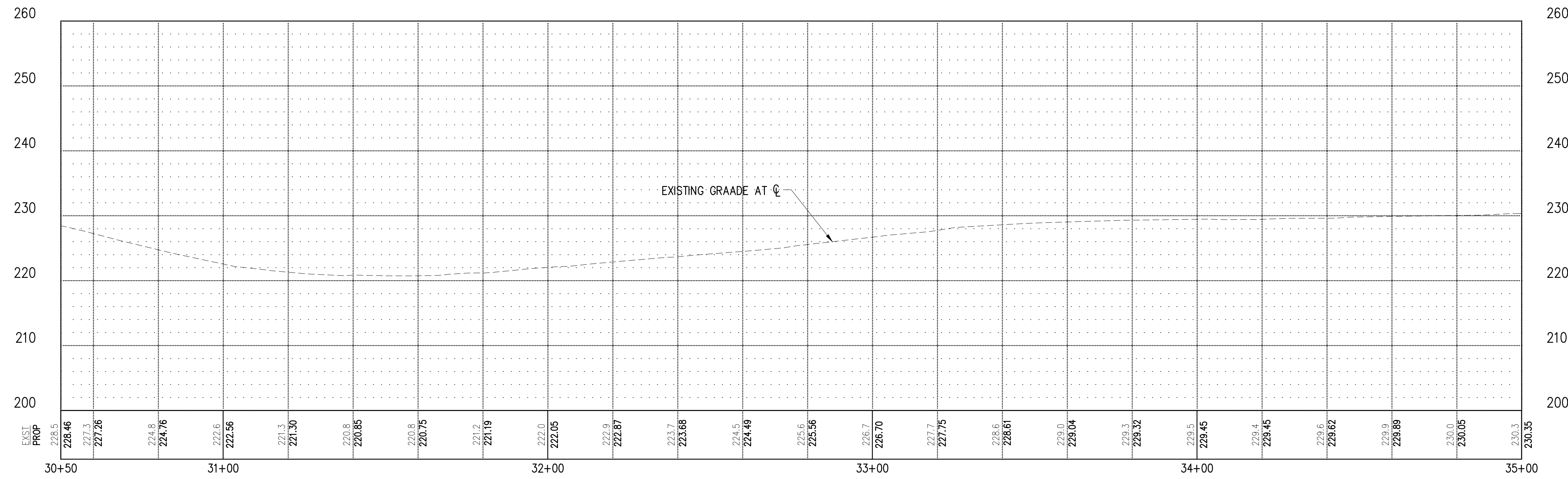


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- CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
- ADJUST EXISTING STORM DRAIN STRUCTURE TO GRADE.
- REMOVE OR ABANDON EXISTING DRAINAGE STRUCTURE.
- CONNECT NEW PIPE TO EXISTING PIPE.
- INSTALL OUTFALL PROTECTION.
- INSTALL BEVELED END PIPE SECTION PER COD STD DETAIL 3-020-001.

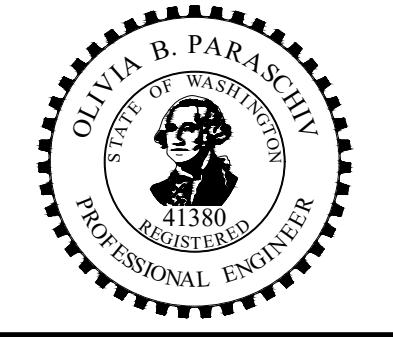


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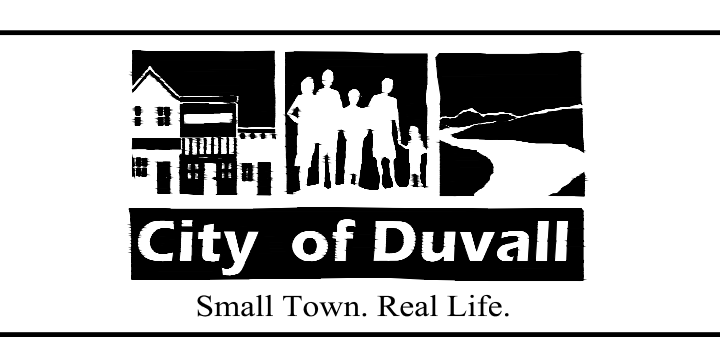
- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

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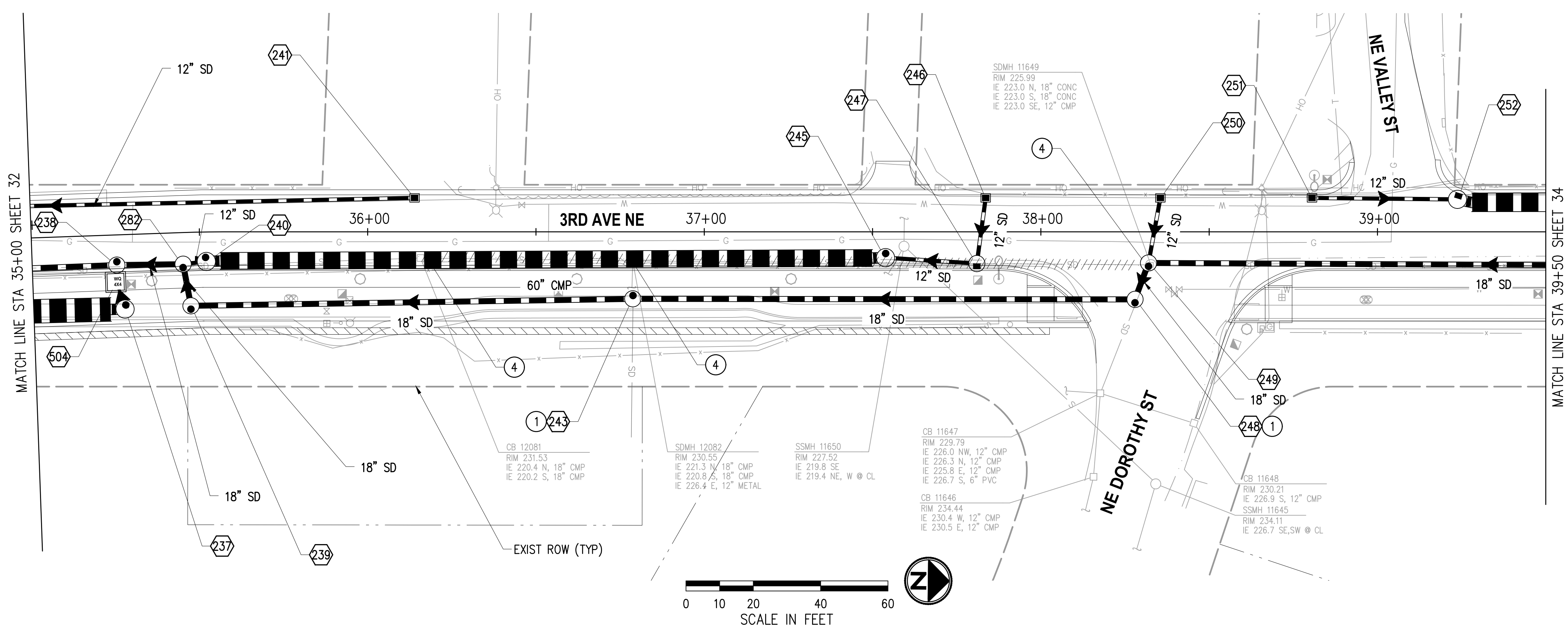
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

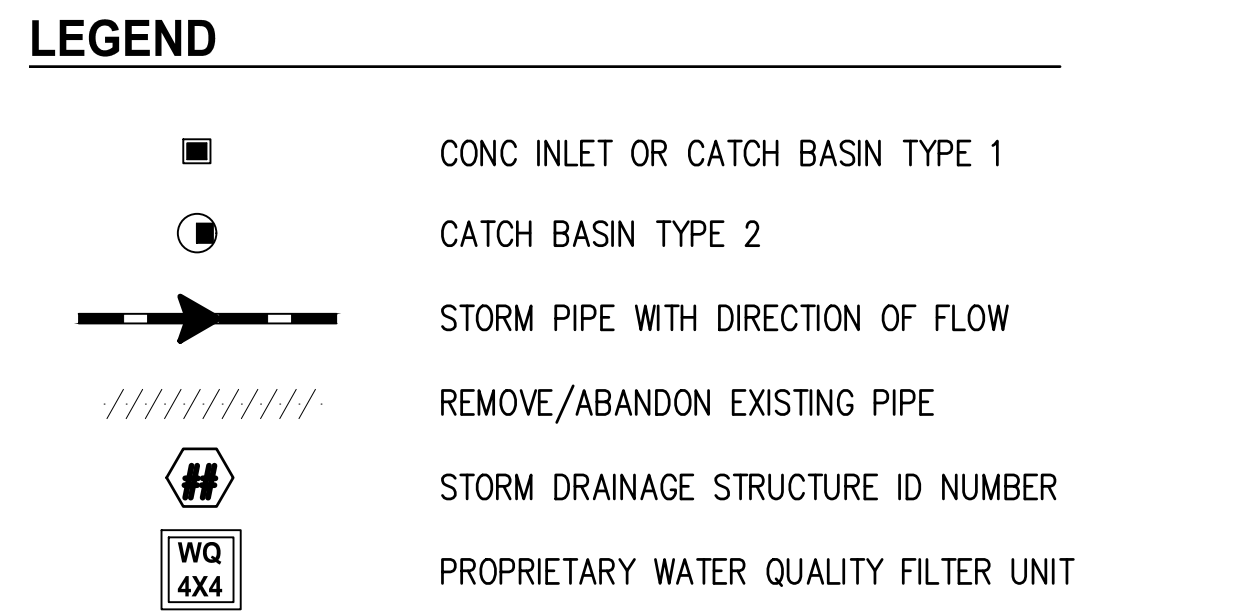
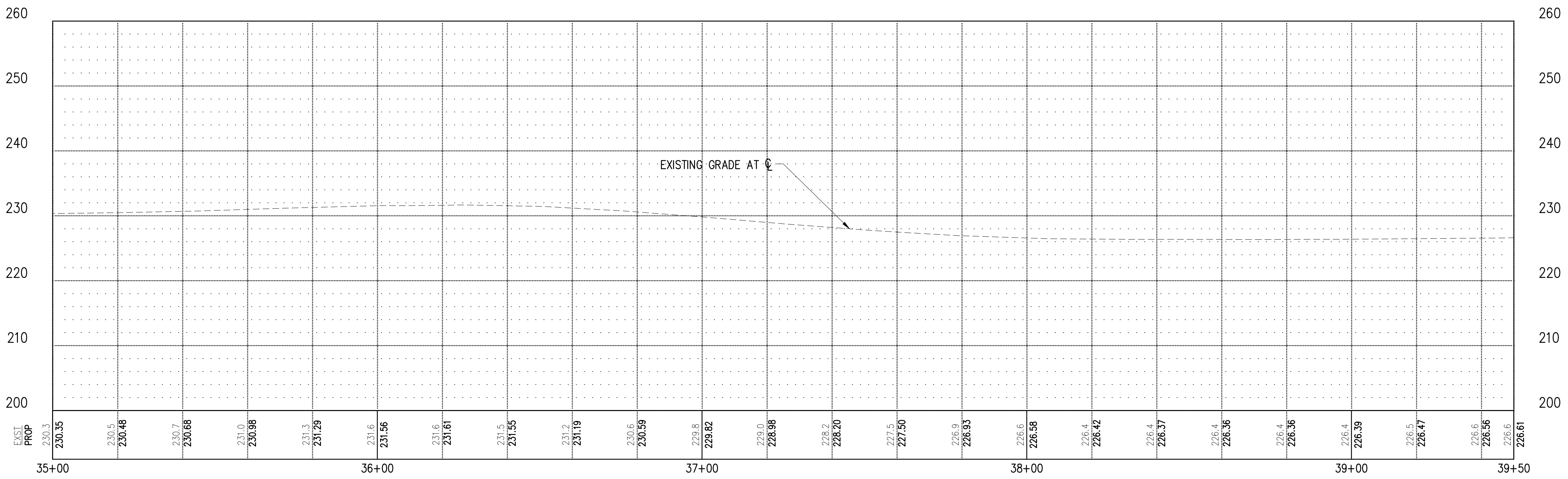
**STORMWATER PLAN & PROFILE**  
 STA 30+50 TO STA 35+00

KPG PROJECT No. 21078 SHT 32 OF 82



- ### GENERAL NOTES
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- 1 CONNECT EXISTING STORM DRAIN PIPE TO NEW STRUCTURE.
  - 2 CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
  - 3 ADJUST EXISTING STORM DRAIN STRUCTURE TO GRADE.
  - 4 REMOVE OR ABANDON EXISTING DRAINAGE STRUCTURE.
  - 5 CONNECT NEW PIPE TO EXISTING PIPE.
  - 6 INSTALL OUTFALL PROTECTION.



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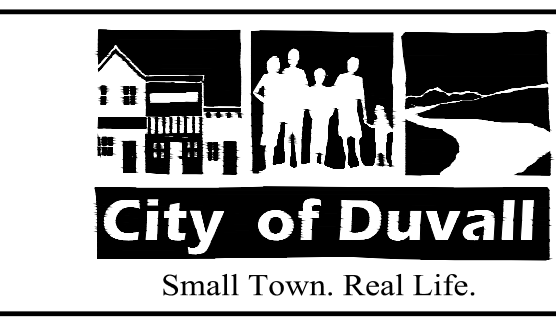
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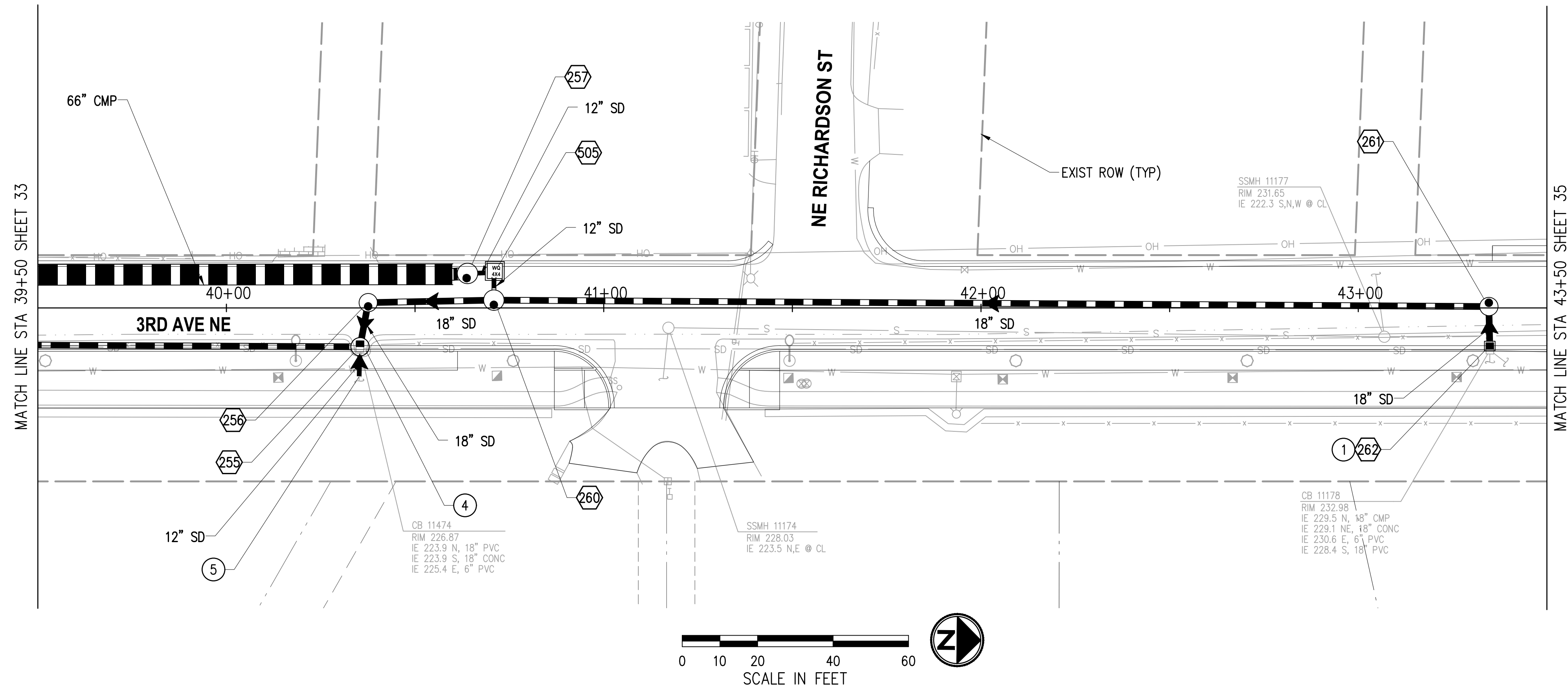
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE**  
 STA 35+00 TO STA 39+50  
 KPG PROJECT No. 21078 SHT 33 OF 82

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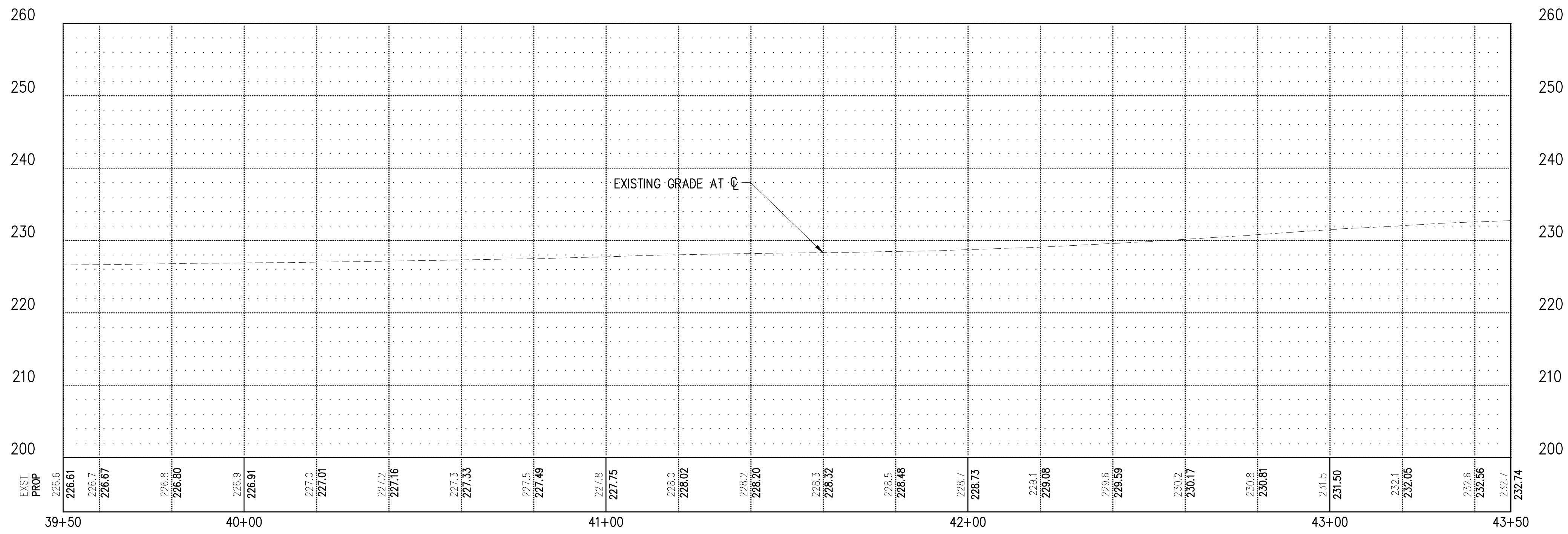


**GENERAL NOTES**

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- ⑥ INSTALL OUTFALL PROTECTION.



**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

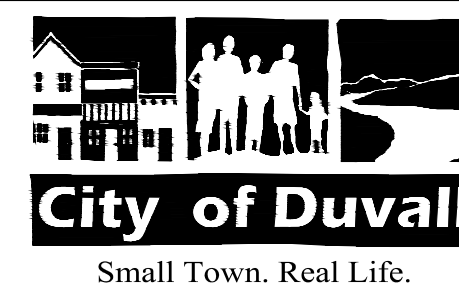
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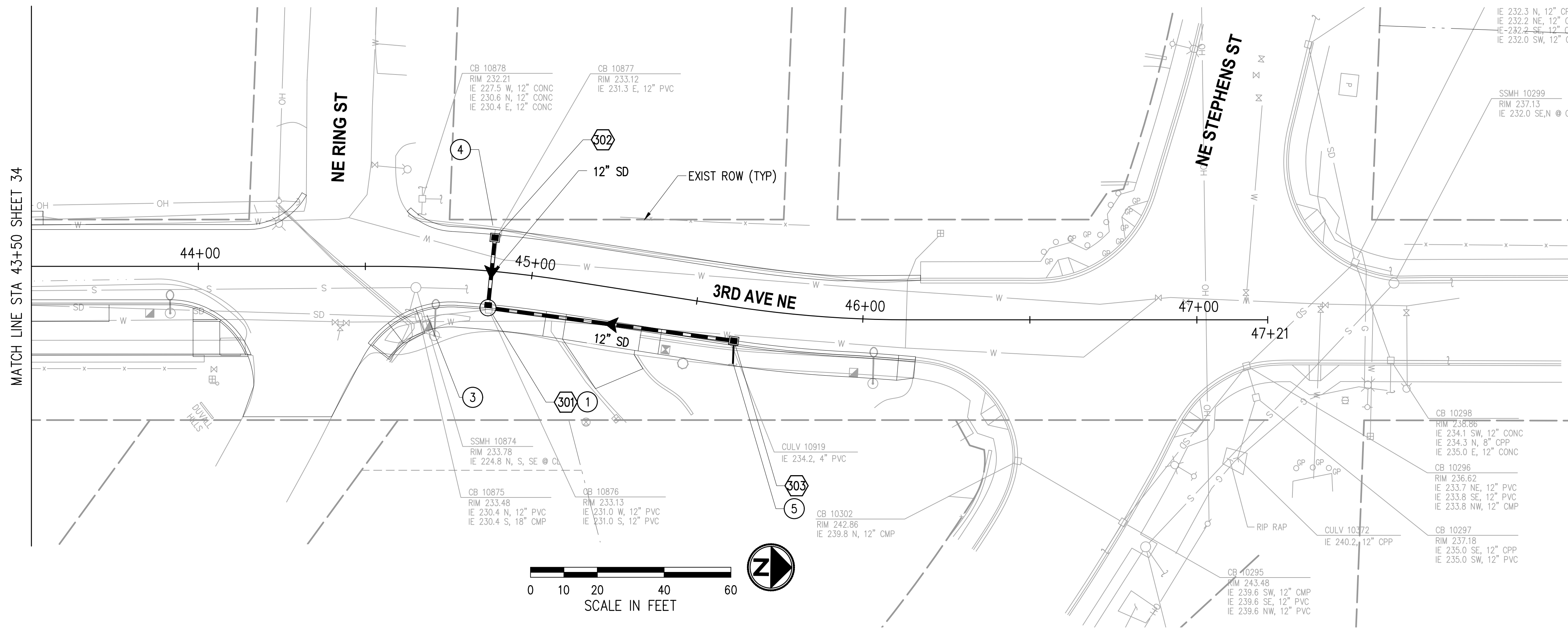
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE**  
 STA 39+50 TO STA 43+50

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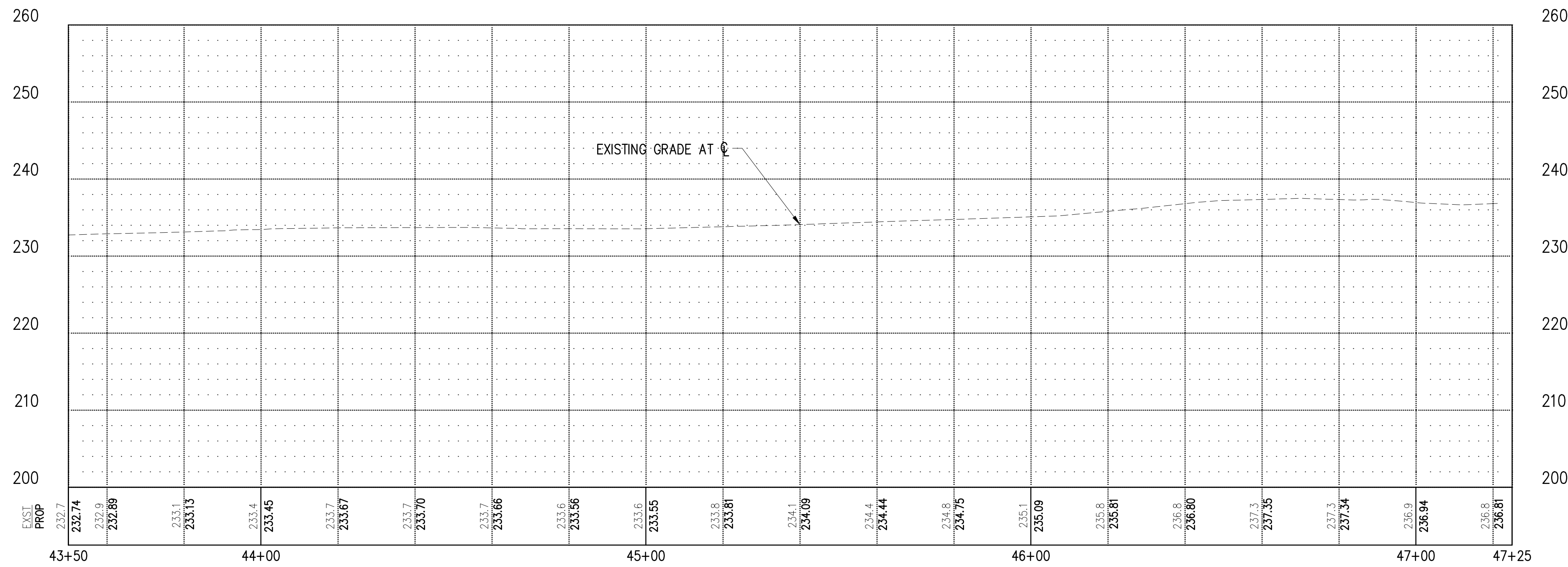


**GENERAL NOTES**

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**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

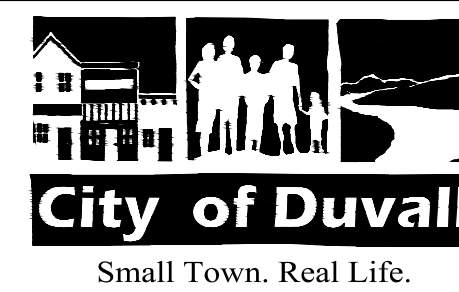
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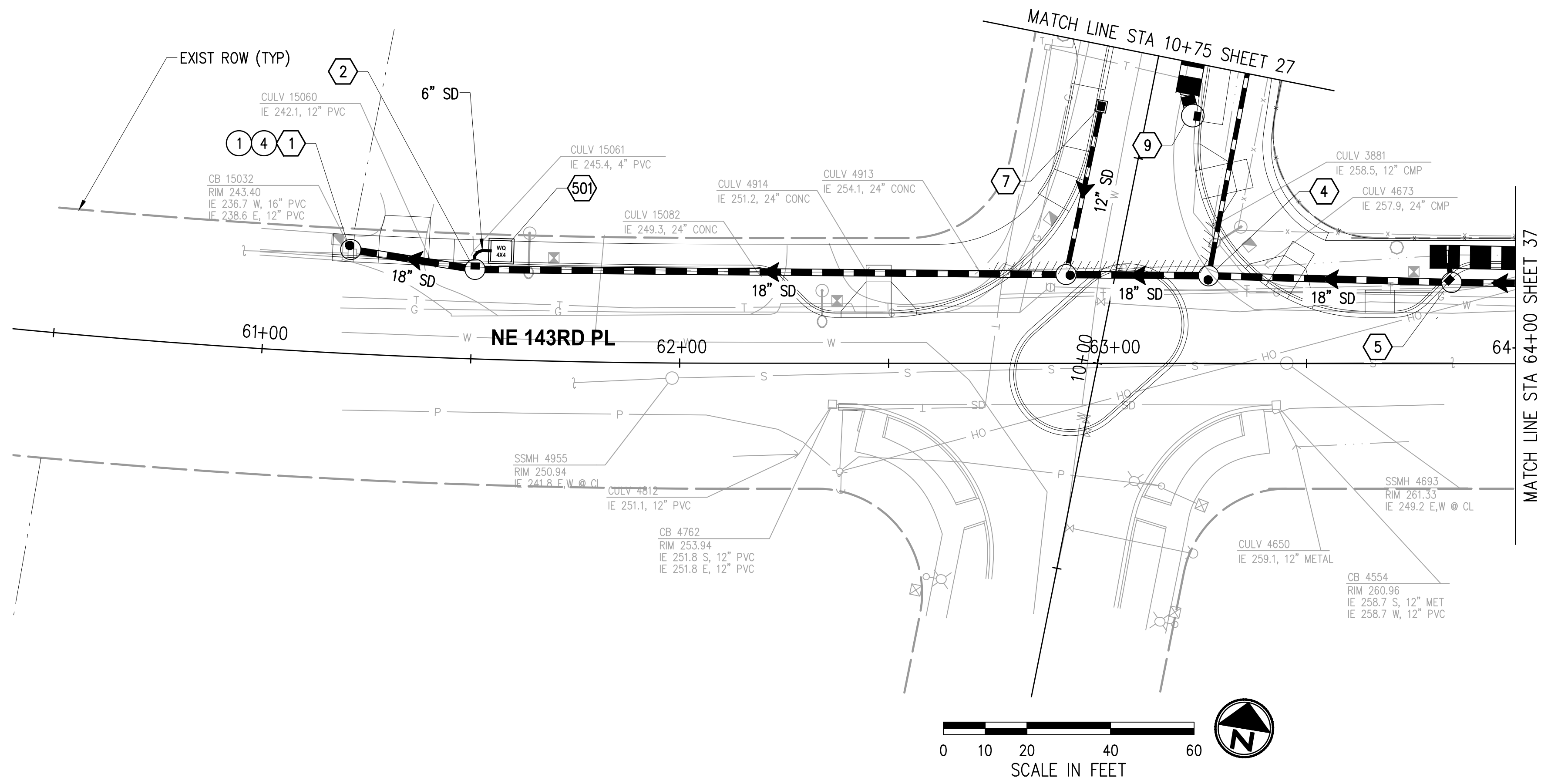
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE**  
 STA 43+50 TO STA 47+20

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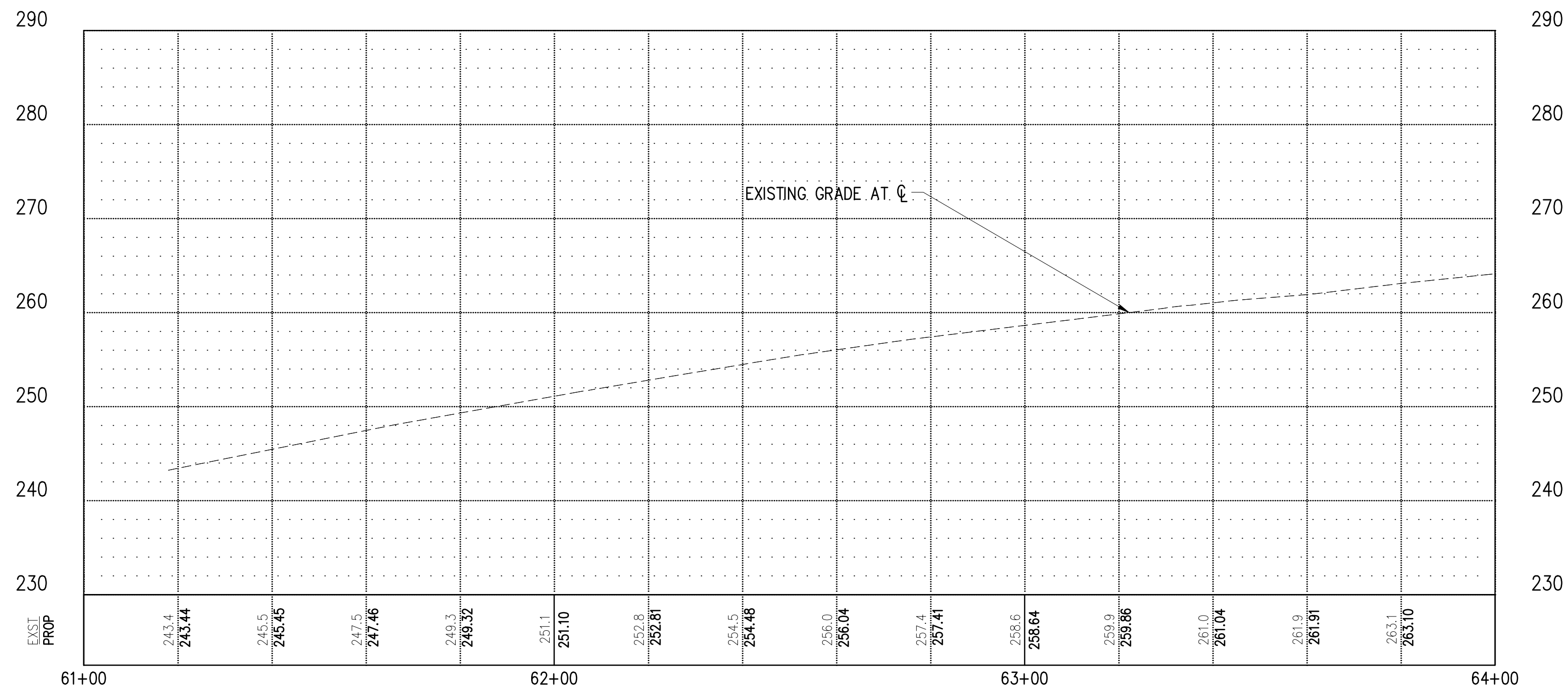


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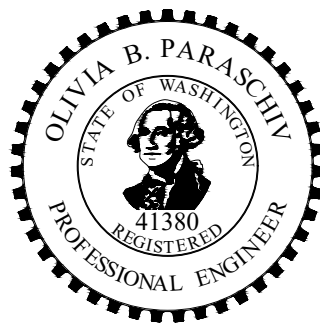


**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
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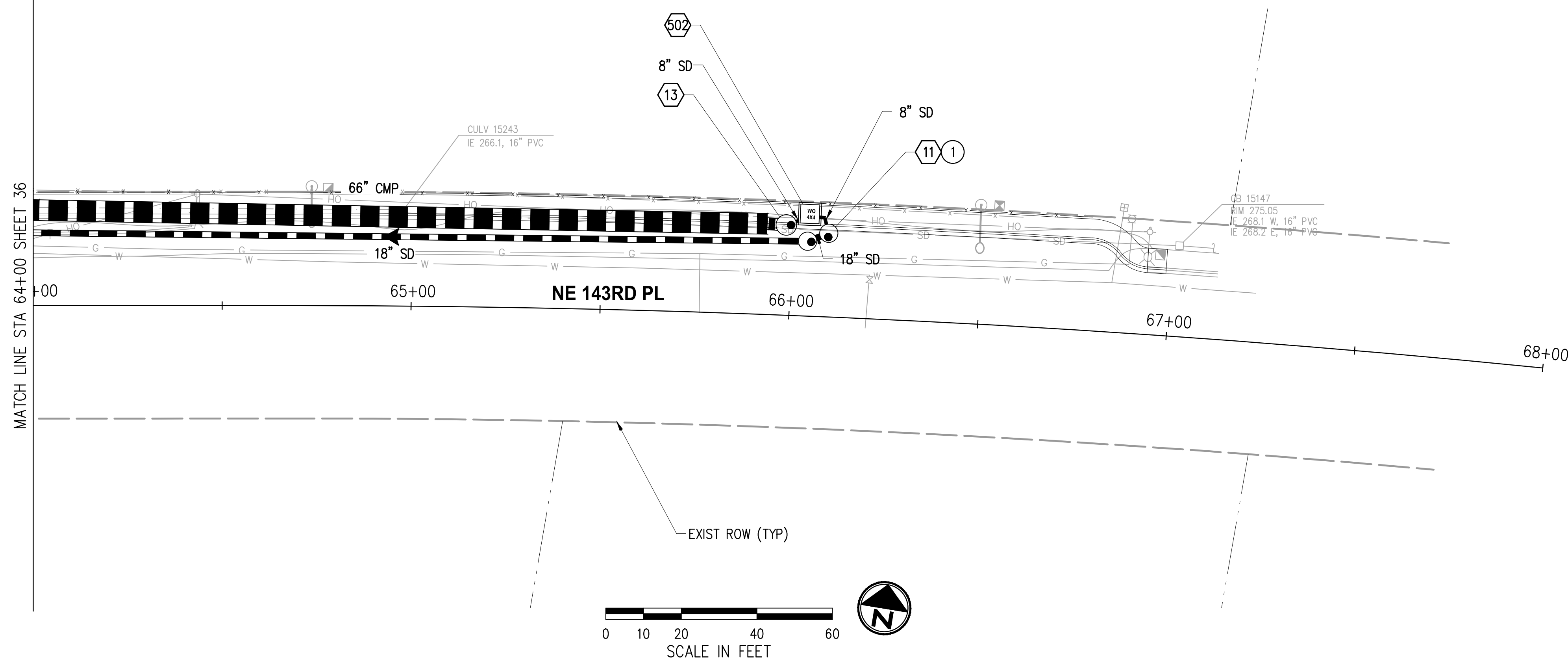
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**CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION**

**STORMWATER PLAN & PROFILE  
 STA 60+50 TO STA 64+00**

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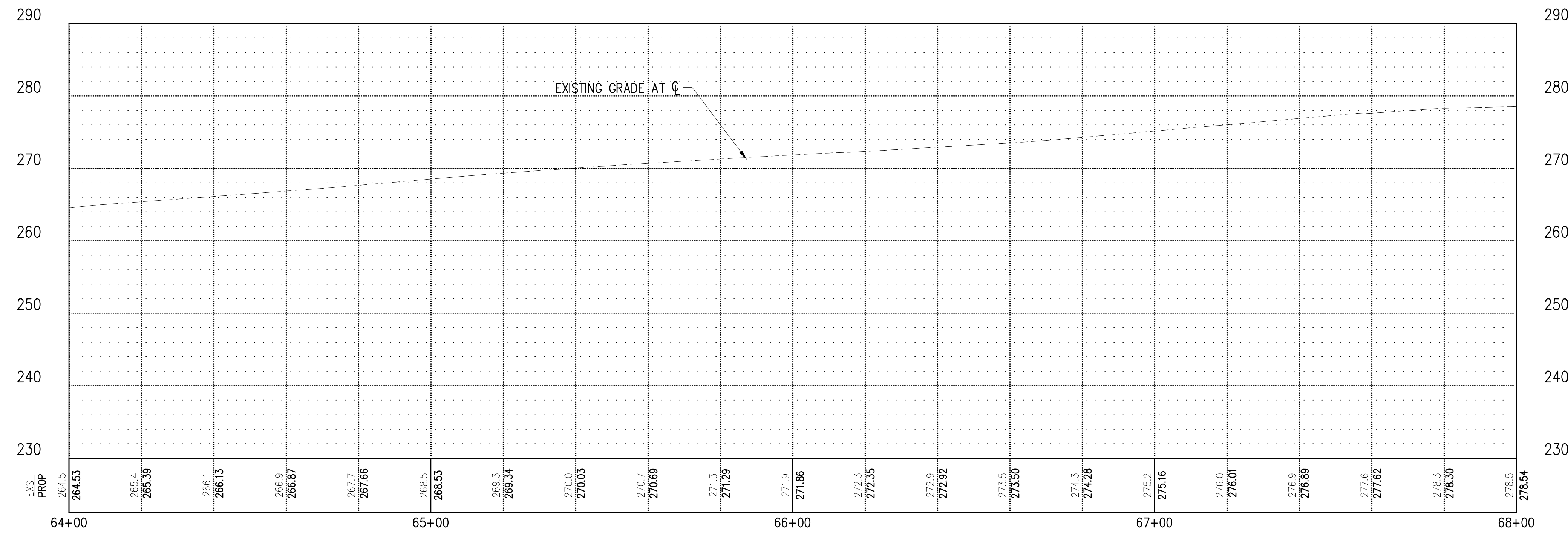


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1. THE CONTRACTOR SHALL PROTECT ALL PRIVATE AND PUBLIC UTILITIES FROM DAMAGE WHEN TRENCHING ACROSS OR BESIDE EXISTING UTILITIES.
2. CATCH BASINS SHALL CONFORM TO THE FOLLOWING STANDARD PLANS:
  - a. TYPE 1 PER COD STD DETAIL 3-020-003
  - b. TYPEL 1L PER COD STD DETAIL 3-020-004
  - c. TYPE 2 PER COD STD DETAIL 3-020-005
  - d. CONCRETE INLET PER COD STD DETAIL 3-020-012
3. STATION/OFFSET CALLOUTS AND RIM ELEVATIONS PROVIDED ARE FOR THE CENTER OF THE DRAINAGE STRUCTURE.
4. TYPICAL TRENCH AND BACKFILL FOR STORM DRAIN PIPE INSTALLATION SHALL BE PER COD STD DETAIL 5-010-007.
5. STORM PIPES SHALL BE PVC, UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- ① CONNECT EXISTING STORM DRAIN PIPE TO NEW STRUCTURE.
- ② CONNECT NEW STORM DRAIN PIPE TO EXISTING STRUCTURE.
- ③ ADJUST EXISTING STORM DRAIN STRUCTURE TO GRADE.
- ④ REMOVE OR ABANDON EXISTING DRAINAGE STRUCTURE.
- ⑤ CONNECT NEW PIPE TO EXISTING PIPE.
- ⑥ INSTALL OUTFALL PROTECTION.



**LEGEND**

- CONC INLET OR CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM PIPE WITH DIRECTION OF FLOW
- REMOVE/ABANDON EXISTING PIPE
- STORM DRAINAGE STRUCTURE ID NUMBER
- PROPRIETARY WATER QUALITY FILTER UNIT

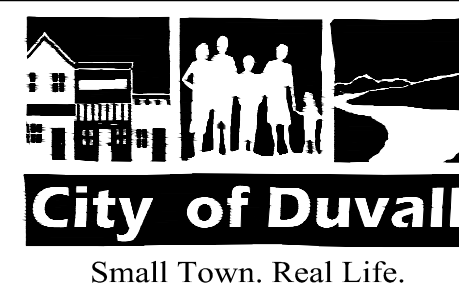
NO.	DATE	BY	APPR.	REVISIONS

Approved By		21078STRM02.dwg
ENGINEERING MANAGER	DATE	KDP 02/2023
PROJECT MANAGER	DATE	KDP 02/2023
PROJECT ENGINEER	DATE	SW 02/2023
	CHECKED BY	DATE



**KPG PSOMAS**  
 Seattle  
 3131 Elliott Avenue, Suite 400  
 Seattle, WA 98121 206.286.1640  
 Tacoma | Wenatchee | KPG.com

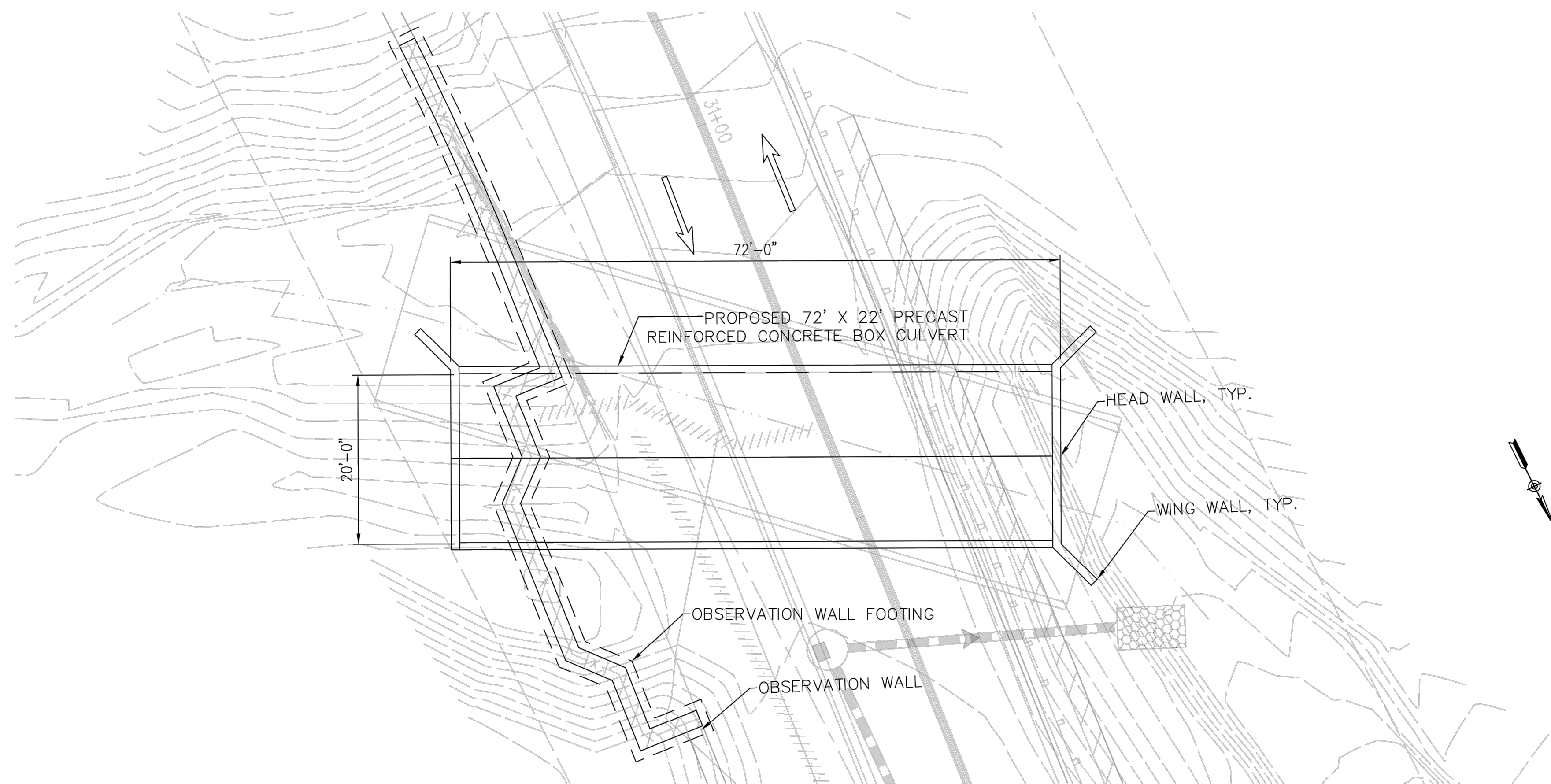
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**CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION**

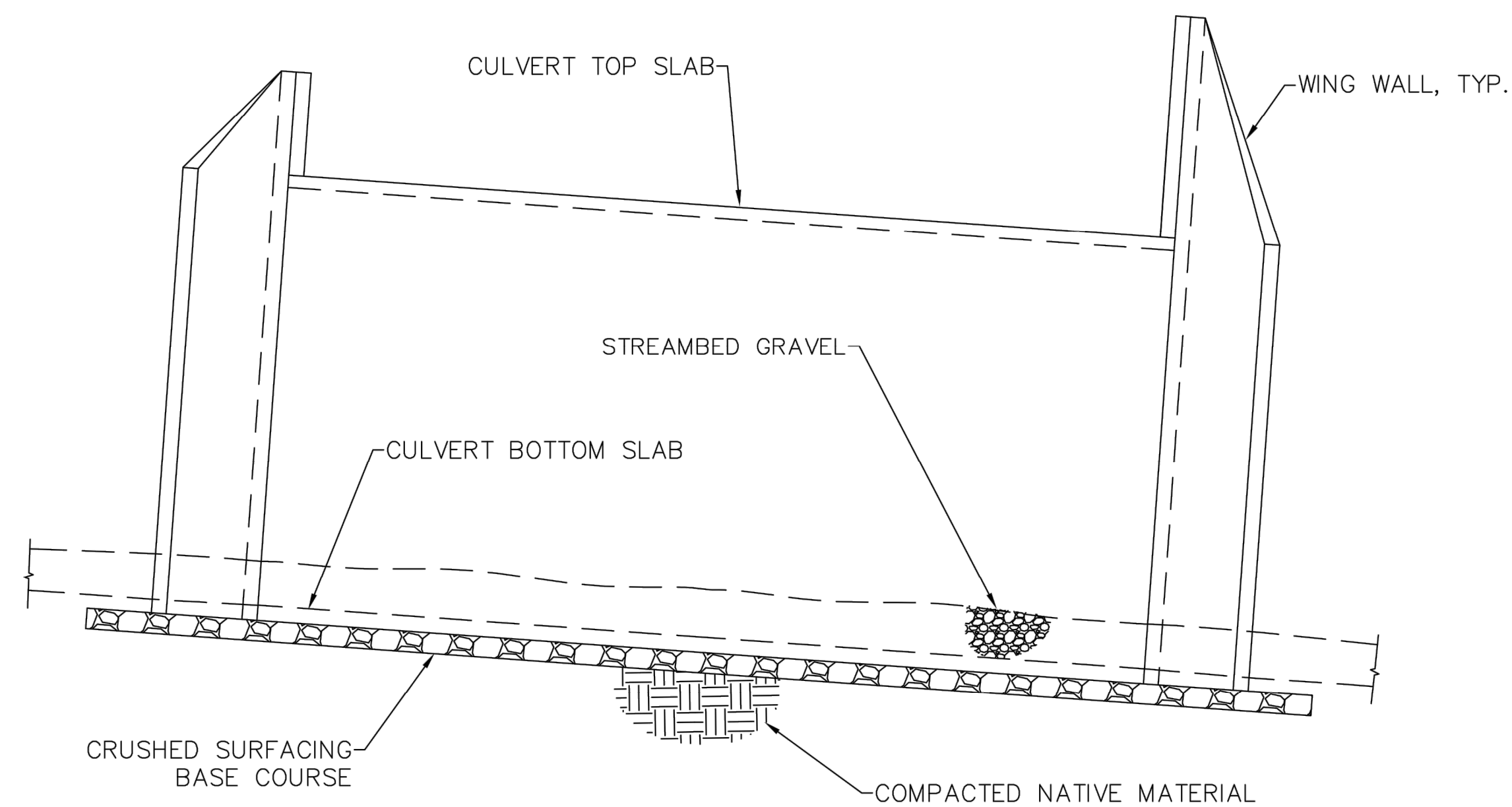
**STORMWATER PLAN & PROFILE  
 STA 64+00 TO STA 68+00**

D:\Samson\CEC\JOBS\974\_3rd Ave\Work Done-Samson\CAD\Culvert - Option\_02-09-2023.dwg 2/10/2023 9:11 AM



**PLAN**

SCALE: 1" = 10'-0"



**ELEVATION**

SCALE: 1" = 10'-0"

**GENERAL NOTES:**

**DESIGN CODES, STANDARDS AND SPECIFICATIONS:**

1. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
2. WASHINGTON STATE DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (LRFD).
3. WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD PLANS.
4. WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
5. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318.
6. PCI DESIGN HANDBOOK, PRECAST AND PRESTRESSED CONCRETE.

NO.	DATE	BY	APPR.	REVISIONS

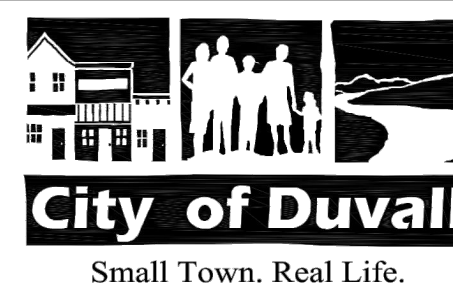
**Approved By**

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

FILENAME	Culvert - Option_02-09-2023.dwg
DESIGNED BY	SAMSON HAGOS 02/2023
DESIGN BY	SAMSON HAGOS 02/2023
DRAWN BY	SAMIR CHUDGAR 02/2023
CHECKED BY	SAMIR CHUDGAR 02/2023



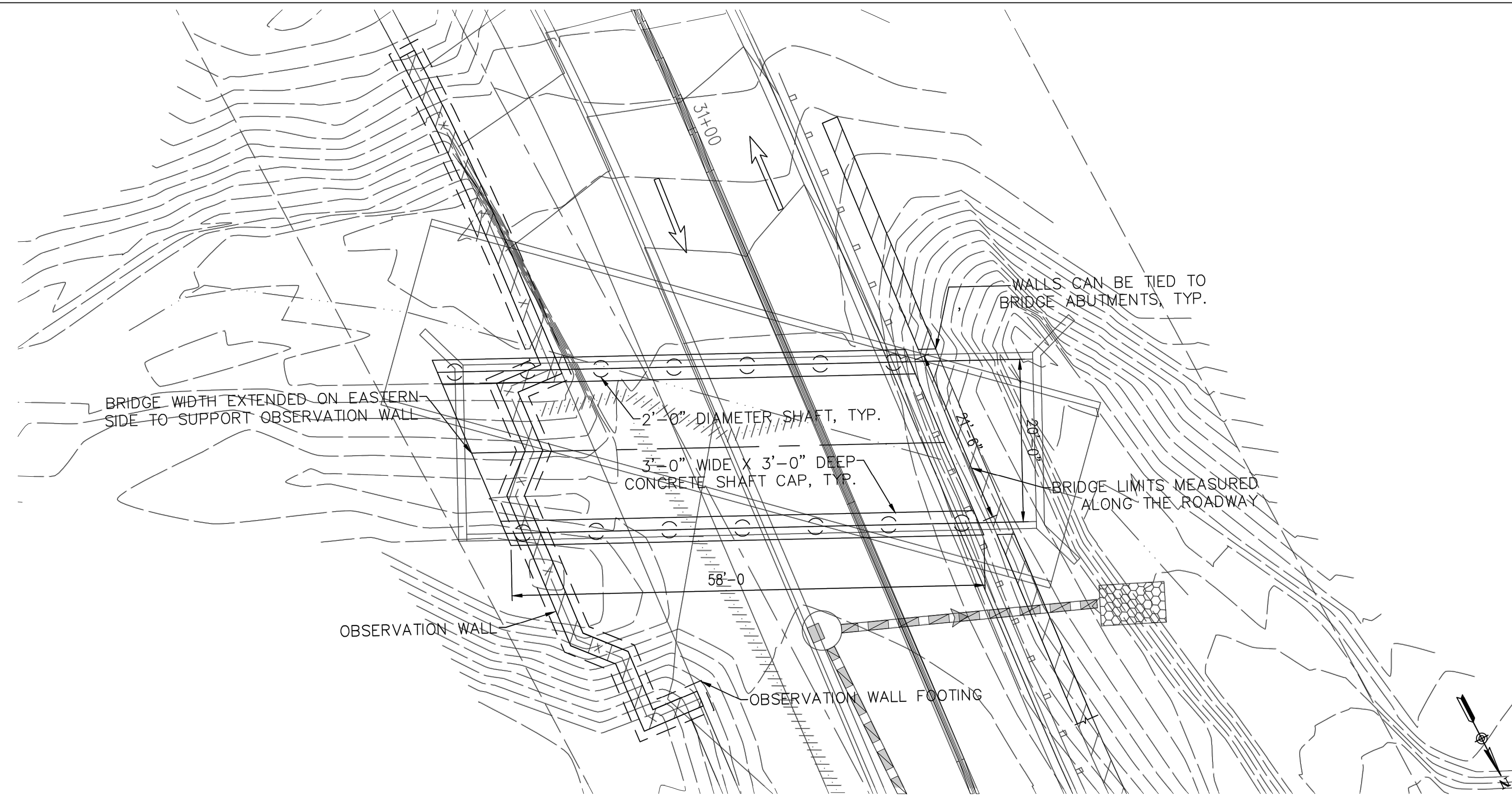
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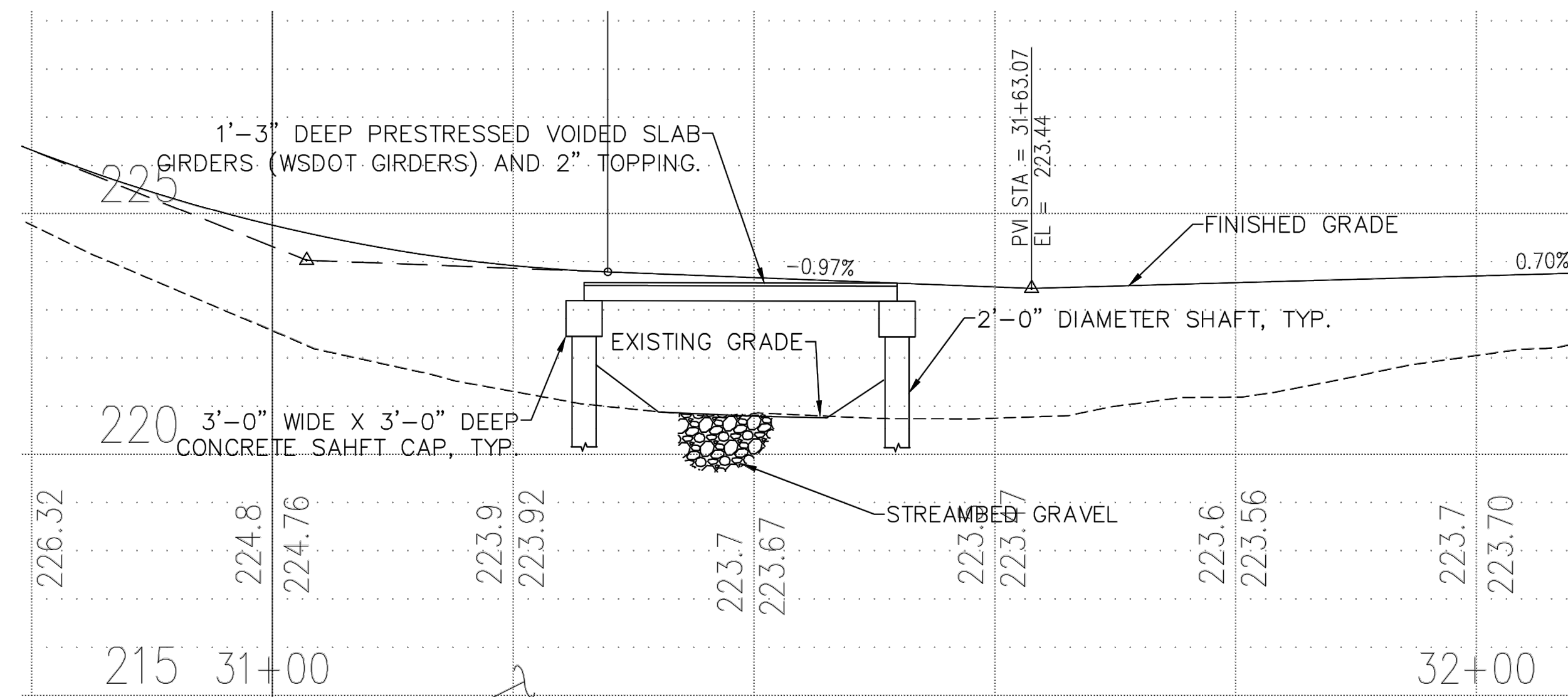
**CITY OF DUVALL  
3RD AVENUE NE RECONSTRUCTION**

**CULVERT OPTION  
PLAN AND ELEVATION**

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**PLAN**  
SCALE: 1" = 10'-0"



**ELEVATION**  
SCALE: 1" = 10'-0"

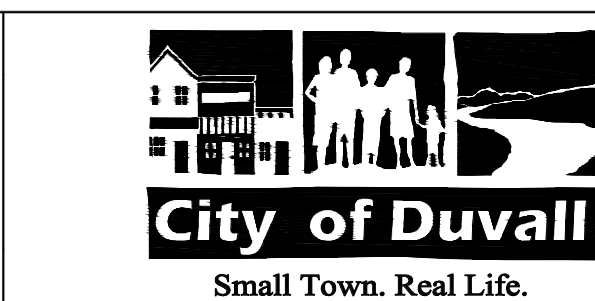
- GENERAL NOTES:**
- DESIGN CODES, STANDARDS AND SPECIFICATIONS:**
1. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
  2. WASHINGTON STATE DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (LRFD).
  3. WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD PLANS.
  4. WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
  5. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318.
  6. PCI DESIGN HANDBOOK, PRECAST AND PRESTRESSED CONCRETE.

NO.	DATE	BY	APPR.	REVISIONS

<b>Approved By</b>		Bridge - Option 02-09-2023.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	SAMSON HAGOS 02/2023
PROJECT ENGINEER	DATE	DESIGNED BY
		SAMSON HAGOS 02/2023
		DRAWN BY
		SAMIR CHUDGAR 02/2023
		CHECKED BY
		DATE



**30% REVIEW  
SUBMITTAL**



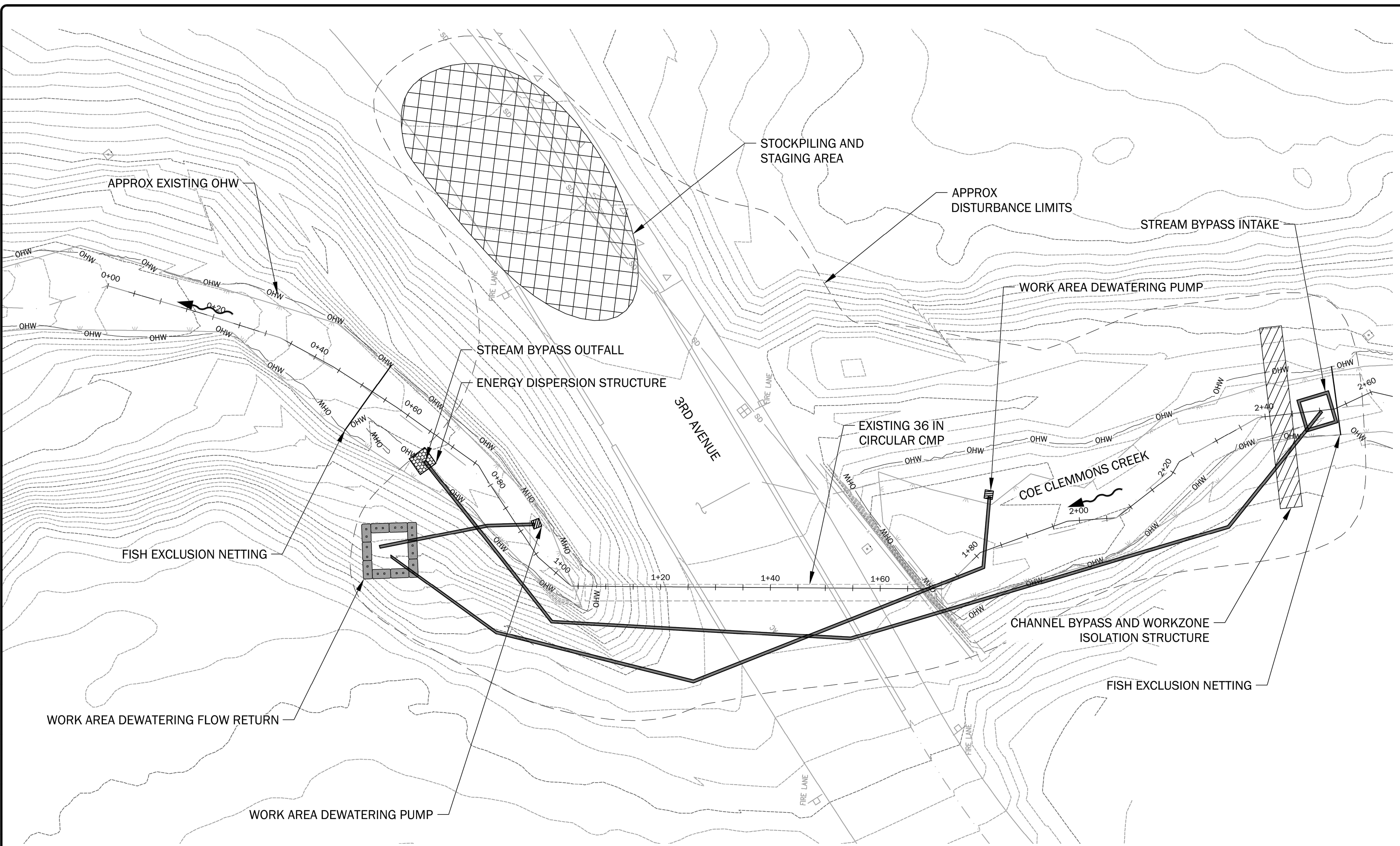
**CITY OF DUVALL  
3RD AVENUE NE RECONSTRUCTION**

<b>BRIDGE OPTION PLAN AND ELEVATION</b>	
KPG PROJECT No. 21078	SHT <b>39</b> OF <b>82</b>

Plotted: 02/02/2023, 12:58 | gsparr | \\geoengineers.com\wan\Projects\8258026\CAD\00\Culvert Crossing\_Stream Restoration\01\_30\_Percent\825802600\_Sht\_1\_10\_Temporary Stream Bypass and Existing Conditions.dwg

**LEGEND (EXISTING)**

- EXISTING MAJOR (5-FT) CONTOUR LINE
- EXISTING MINOR (1-FT) CONTOUR LINE
- COE CLEMMONS CREEK ALIGNMENT
- FLOW DIRECTION



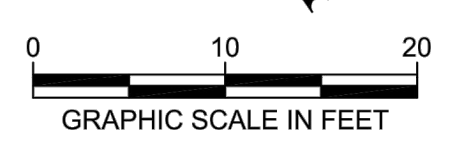
**TEMPORARY STREAM BYPASS AND EXISTING CONDITIONS**  
SCALE: 1" = 10'

**EROSION AND SEDIMENT CONTROL NOTES**

1. THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE EROSION AND SEDIMENT CONTROL (ESC) STRUCTURES IS THE RESPONSIBILITY OF THE LEAD (ESC) CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED.
2. CONTRACTOR SHALL PREPARE A 1200-C PERMIT IF DISTURBANCE IS GREATER THAN 1 ACRE.
3. ANY EQUIPMENT REFUELING AND PLACEMENT OF STATIONARY MOTORIZED EQUIPMENT SHALL BE LOCATED AT LEAST 150FT AWAY FROM THE ACTIVE CHANNEL MARGIN, UNLESS OTHERWISE APPROVED IN THE ENVIRONMENTAL PERMITS.
4. ESC FACILITIES SHOWN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS TO ENSURE THAT WATER MEETS WASHINGTON WATER QUALITY STANDARDS.
5. THE ESC FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AND MAINTAINED AS NECESSARY TO ENSURE THEIR PROPER PERFORMANCE THROUGHOUT THE DURATION OF CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.

**TEMPORARY WATER MANAGEMENT NOTES:**

1. ALL IN-WATER WORK SHALL OCCUR WITHIN THE IN-WATER WORK WINDOW, BETWEEN AUGUST 1 AND AUGUST 15, OR AS SPECIFIED IN THE ENVIRONMENTAL PERMITS
2. BYPASS PIPE LOCATIONS ARE APPROXIMATE AND MAY BE FIELD FIT. BYPASS CULVERT MAY BE USED IN PLACE OF BYPASS PIPE DEPENDENT ON FLOW CONDITIONS.



PRELIMINARY

NO.	DATE	BY	ISSUE / DESCRIPTION

DESIGNED BY:	GLS
DRAWN BY:	GLS
APPROVED BY:	DJE
REVISION NO.:	—
DATE:	11/30/22

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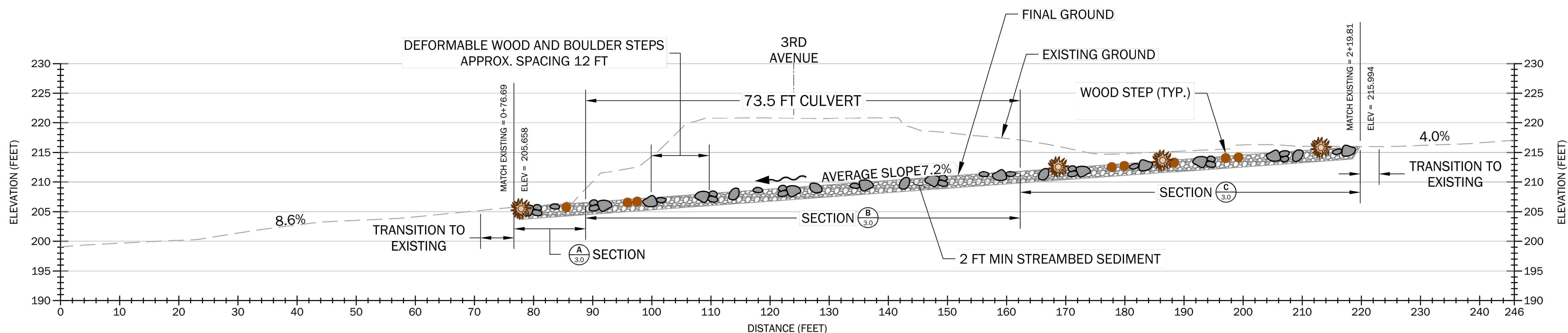
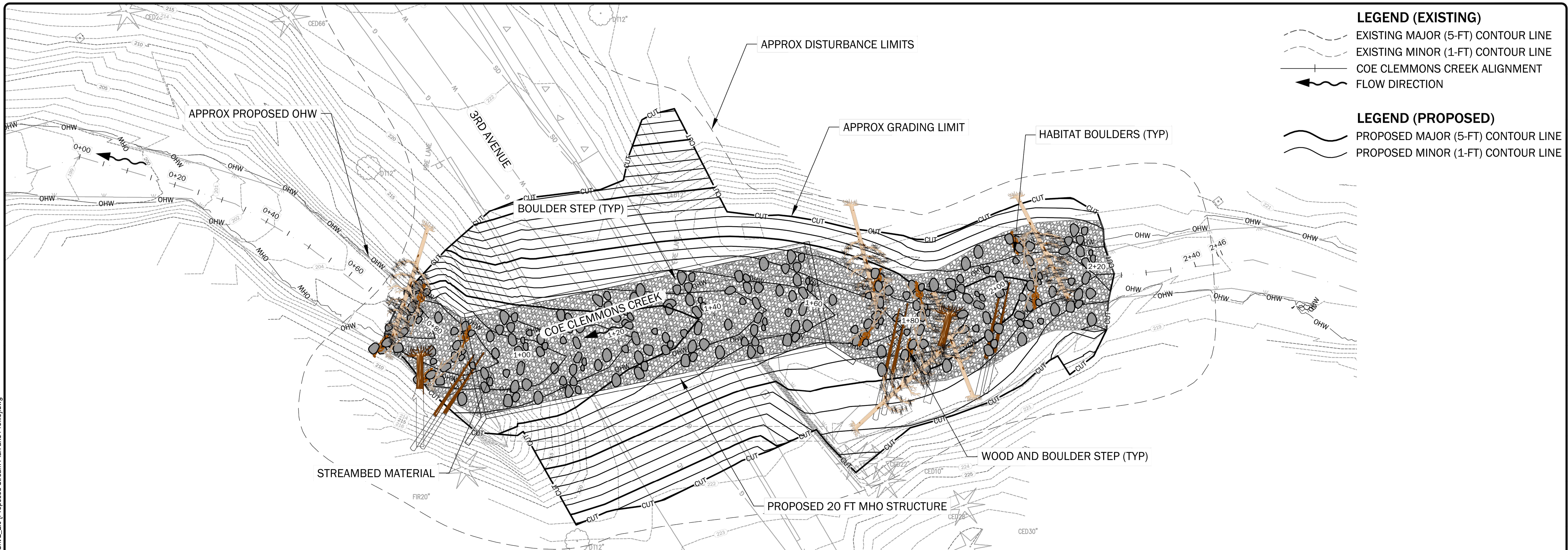
PREPARED FOR:	KPG PSOMAS, INC.
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CITY OF DUVALL, 3RD AVENUE NE RECONSTRUCTION, COE CLEMMONS CREEK DUVALL, WASHINGTON
<b>TEMPORARY STREAM BYPASS AND EXISTING CONDITIONS</b>

DRAWING NUMBER: <b>1.0</b>
SHEET: 40 OF 82

DRAFT 30% SUBMITTAL - NOT FOR CONSTRUCTION

Plotted: 02/02/2023, 12:59 | gspann | \\geoengineers.com\spann\Projects\826026\CAD\00\Culvert Crossing\_Stream Restoration\01\_30\_Percent\82602600\_Sht 2.2.0\Proposed Stream Plan and Profile.dwg



PRELIMINARY

NO.	DATE	BY	ISSUE / DESCRIPTION

DESIGNED BY: GLS  
 DRAWN BY: GLS  
 APPROVED BY: DJE  
 REVISION NO.: —  
 DATE: 11/30/22



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 KPG PSOMAS, INC.

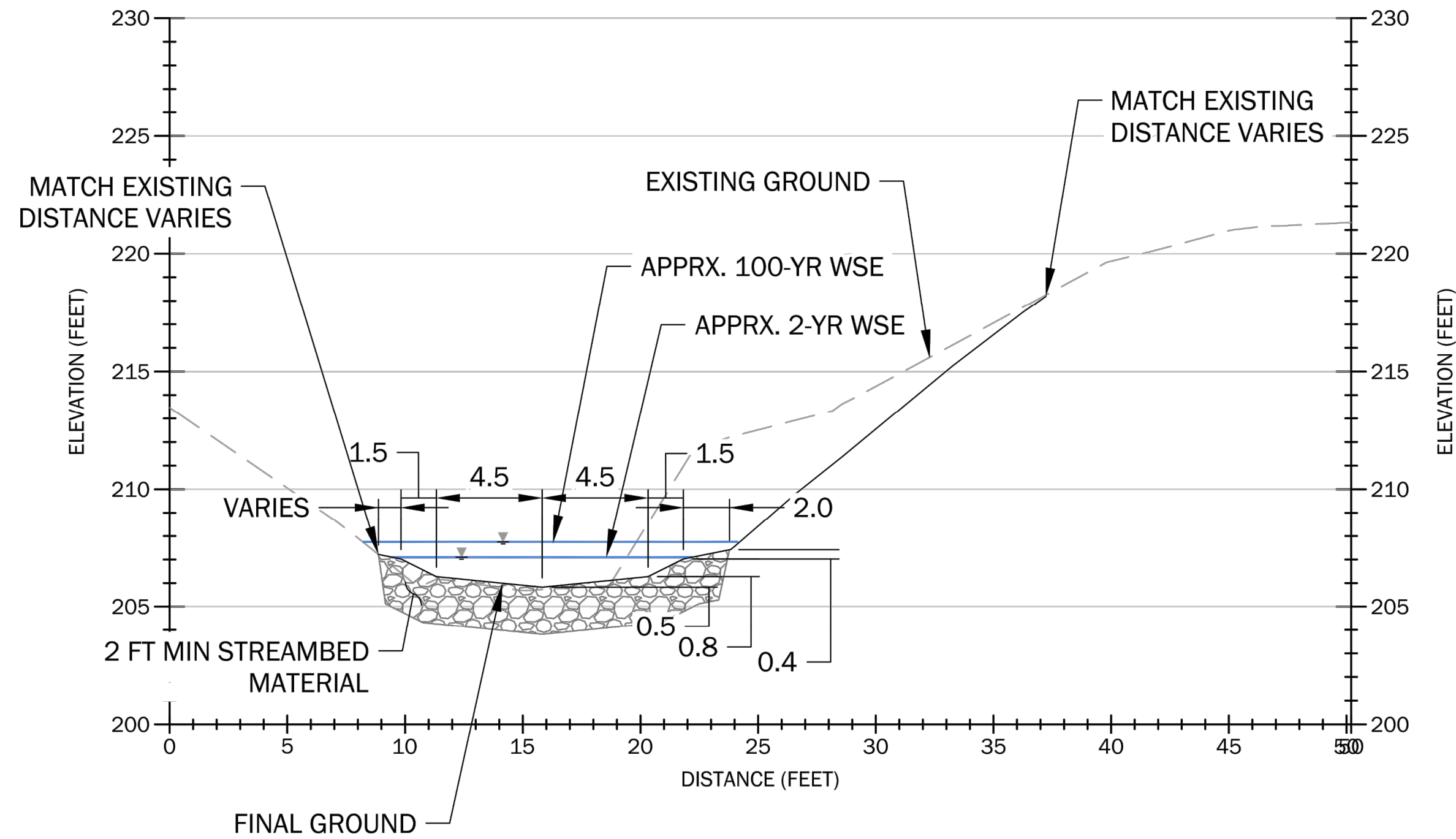
CITY OF DUVALL, 3RD AVENUE NE RECONSTRUCTION, COE CLEMMONS CREEK  
 DUVALL, WASHINGTON

**PROPOSED STREAM PLAN AND PROFILE**

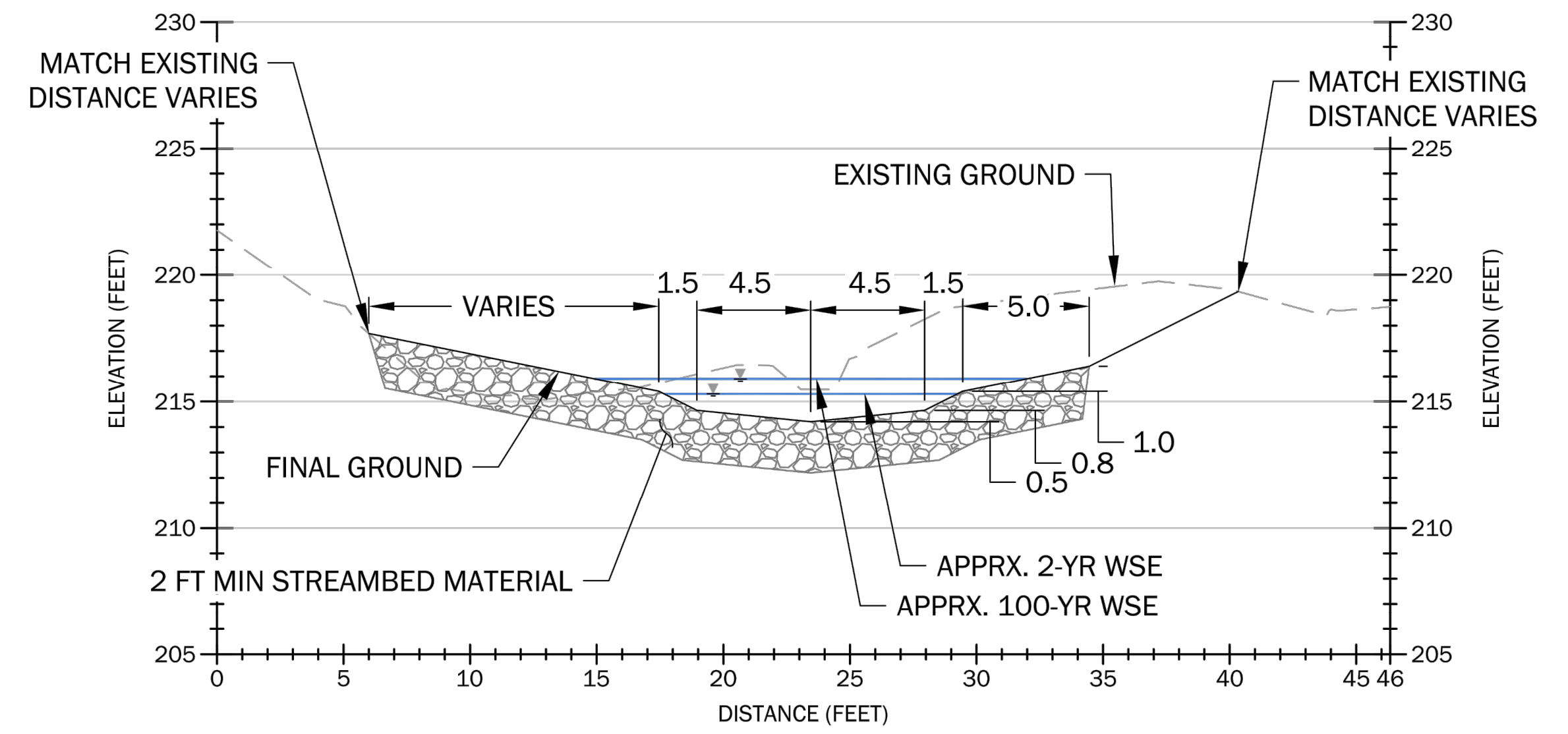
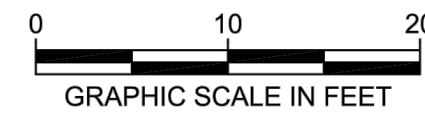
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**2.0**  
 SHEET: 41 OF 82

DRAFT 30% SUBMITTAL - NOT FOR CONSTRUCTION

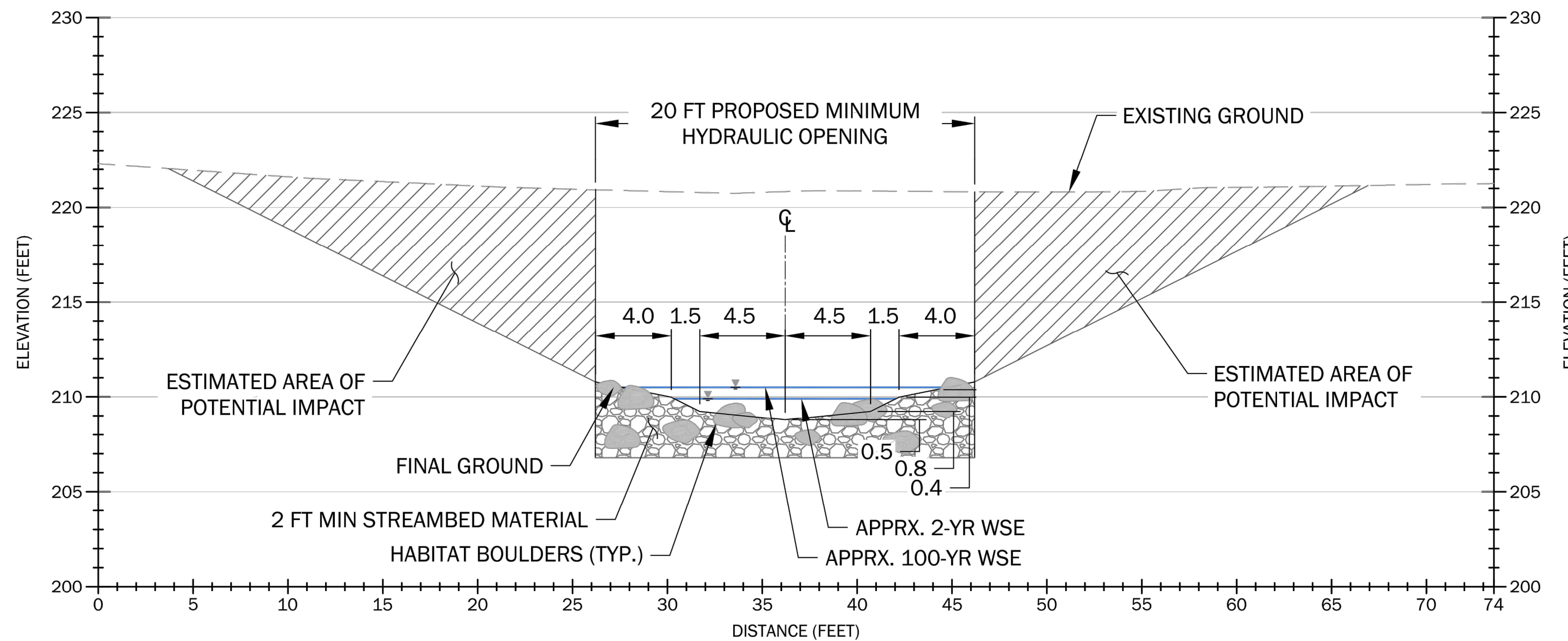
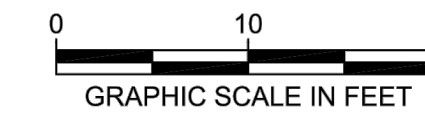
Plotted: 02/02/2023, 12:59 | gspann | gengineers.com\van\Projects\8258026\CAD\00\Culvert Crossing\_Stream Restoration\01\_30\_Percent\825802600\_Sht 3\_3.0 [Proposed Stream Typical Section].dwg



**PROPOSED STREAM TYPICAL DOWNSTREAM SECTION STA 0+78 TO 0+89** A  
SCALE: 1" = 10'



**PROPOSED STREAM TYPICAL UPSTREAM SECTION STA 1+62 TO 2+20** C  
SCALE: 1" = 10'



**PROPOSED STREAM TYPICAL ROAD SECTION STA 0+89 TO 1+62** B  
SCALE: 1" = 10'



**NOTES:**

1. CROSSING STRUCTURE TYPE TO BE DEVELOPED DURING FUTURE DESIGN PHASES.
2. LWM DETAILS TO BE DEVELOPED DURING FUTURE DESIGN PHASES.
3. DEPTH OF CHANNEL MATERIAL IS APPROXIMATE AND WILL BE REVISED BASED ON RESULTS OF SCOUR ANALYSIS DURING FUTURE DESIGN PHASES.
4. STREAMBED MATERIAL GRADATION TO BE DETERMINED DURING FUTURE DESIGN PHASES.
5. CROSS SECTIONS FACE DOWNSTREAM.
6. SIZE AND NUMBER OF HABITAT BOULDERS TO BE DEVELOPED DURING FUTURE DESIGN PHASES

PRELIMINARY

NO.	DATE	BY	ISSUE / DESCRIPTION

DESIGNED BY:	GLS
DRAWN BY:	GLS
APPROVED BY:	DJE
REVISION NO.:	—
DATE:	11/30/22



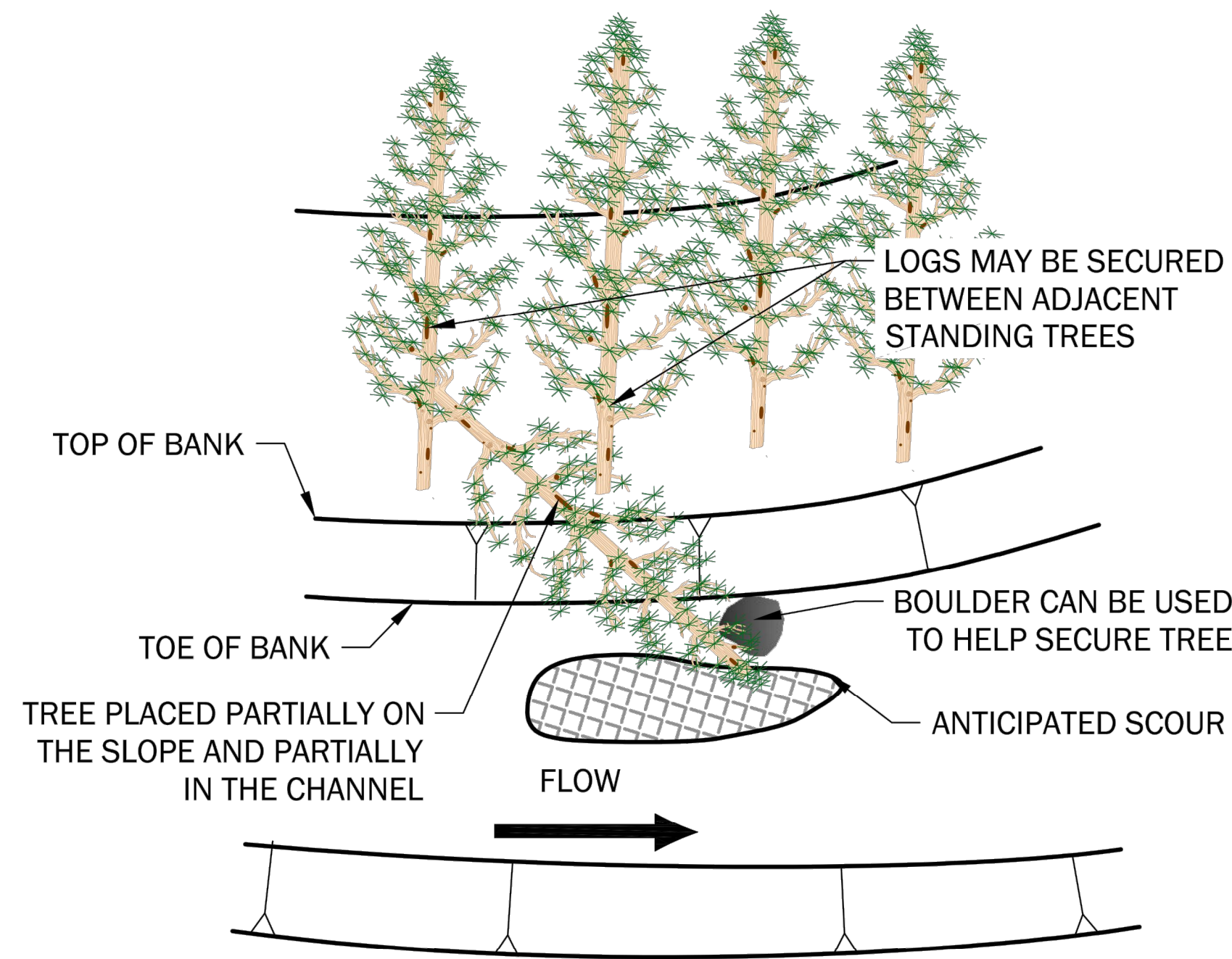
PREPARED FOR:  
**KPG PSOMAS, INC.**

CITY OF DUVALL, 3RD AVENUE NE RECONSTRUCTION, COE CLEMMONS CREEK  
DUVALL, WASHINGTON  
**PROPOSED STREAM TYPICAL SECTION**

DRAWING NUMBER:  
**3.0**  
SHEET: 42 OF 82

DRAFT 30% SUBMITTAL - NOT FOR CONSTRUCTION

Plotted: 02/02/2023, 12:59 | gspanm | \\geoenr\engineers.com\wan\Projects\818258026\CADD\00\Culvert Crossing\_Stream Restoration\01\_30\_Percent\825802600\_Sht 4\_4.0\_Stream and Habitat Feature Details.dwg



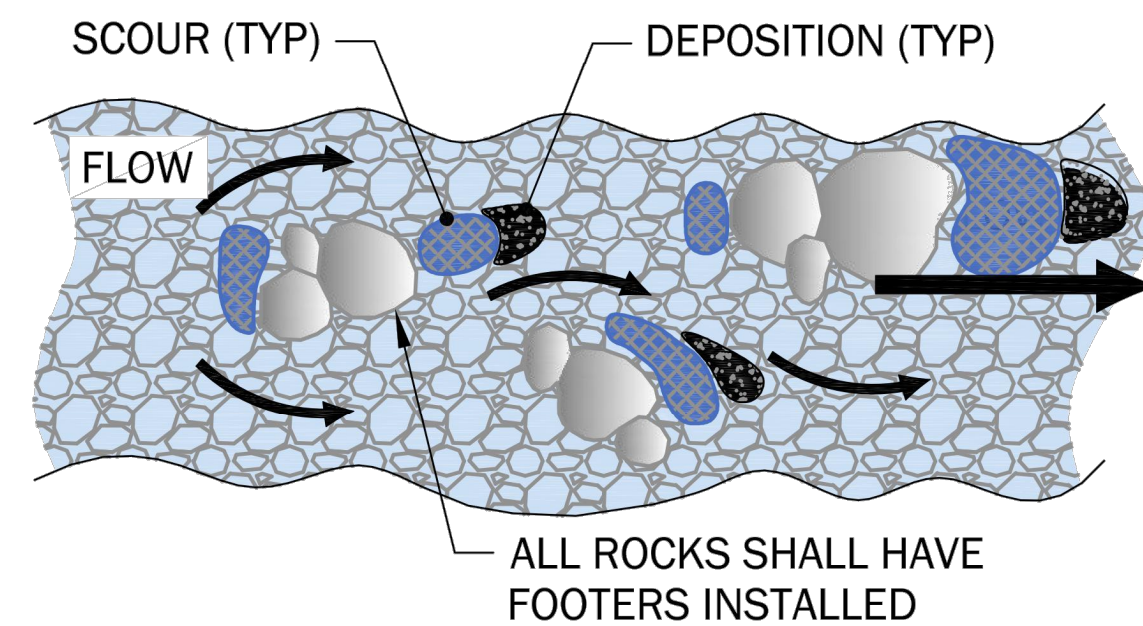
**DESIGN SPECIFICS:**

- SELECTIVELY PLACE STOCKPILED CONIFER LARGER THAN 18" DBH
- PLACE STEM WITHIN TREE STANDS THAT CAN PROVIDE RESISTANCE TO DRAG FORCES AND HELP SECURE THE TREE IN PLACE.
- TREE SHALL LAY PARTIALLY ON THE SLOPE AND PARTIALLY WITHIN THE CHANNEL.
- BOULDERS CAN BE USED TO SECURE THE TREE IN PLACE WITHIN THE CHANNEL.
- PREFERENCE FOR STOCKPILED TREES THAT CAN BE PULLED WITH ROOT MASS INTACT.

**PURPOSE:**

- CREATES LATER SCOUR POOL.
- CREATES DIVERSE FISH HABITAT.
- PROVIDES COVER.

**PLACED WHOLE FALLEN TREE** -  
SCALE: NTS



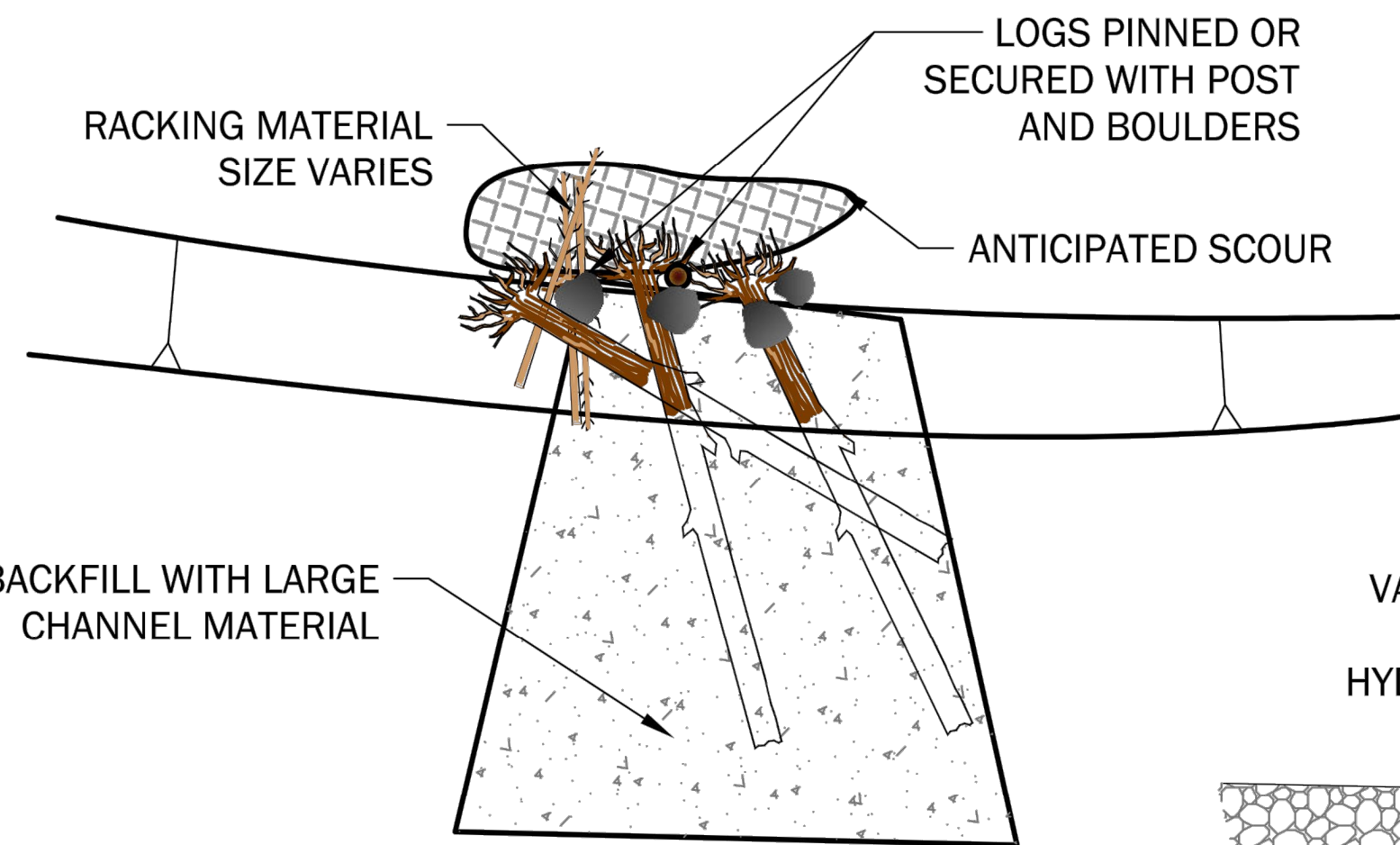
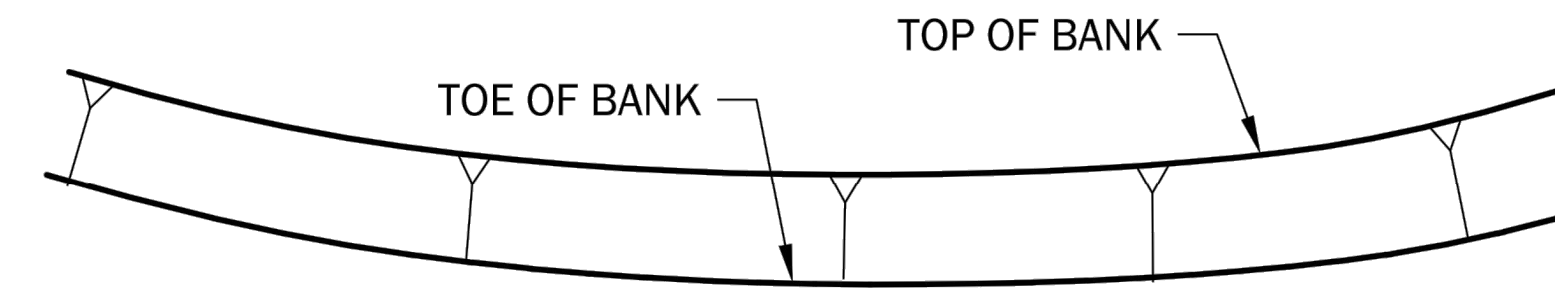
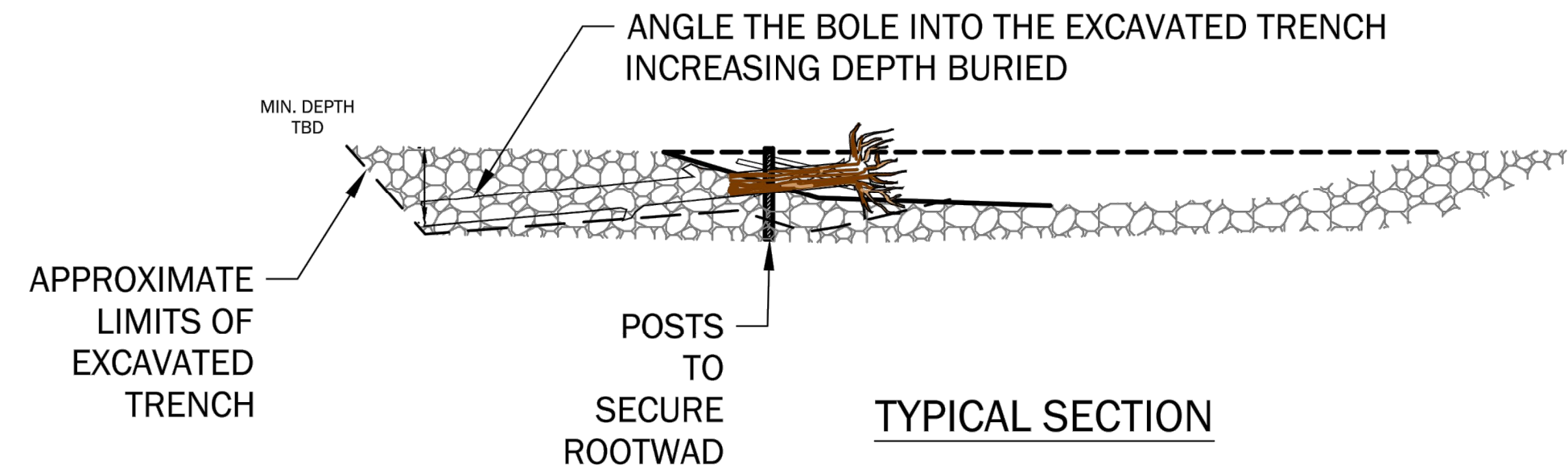
**PURPOSE:**

- CREATES IN-STREAM HABITAT DIVERSITY AND COMPLEXITY BY CREATING LOCAL AREAS OF SCOUR, DEPOSITION AND "POCKET WATER" (EDDYS) IN CHANNEL.
- GENERALLY INCREASES HYDRAULIC FRICTION AND CREATES VARIABLE VELOCITIES ACROSS CHANNEL.
- ENHANCES HABITAT FOR MACROINVERTEBRATES AND ALL LIFE STAGES OF FISH SPECIES.
- PROVIDES HABITAT ENHANCEMENT WITH RELATIVELY MINIMAL CHANNEL BED DISTURBANCE.

**DESIGN SPECIFICS:**

- PLACE BOULDERS ON CHANNEL BED. RELATIVELY LARGER ROCKS SHOULD BE USED IF PLACED DIRECTLY ON BED TO PREVENT ROLLING.

**HABITAT BOULDER PLACEMENT** -  
SCALE: NTS



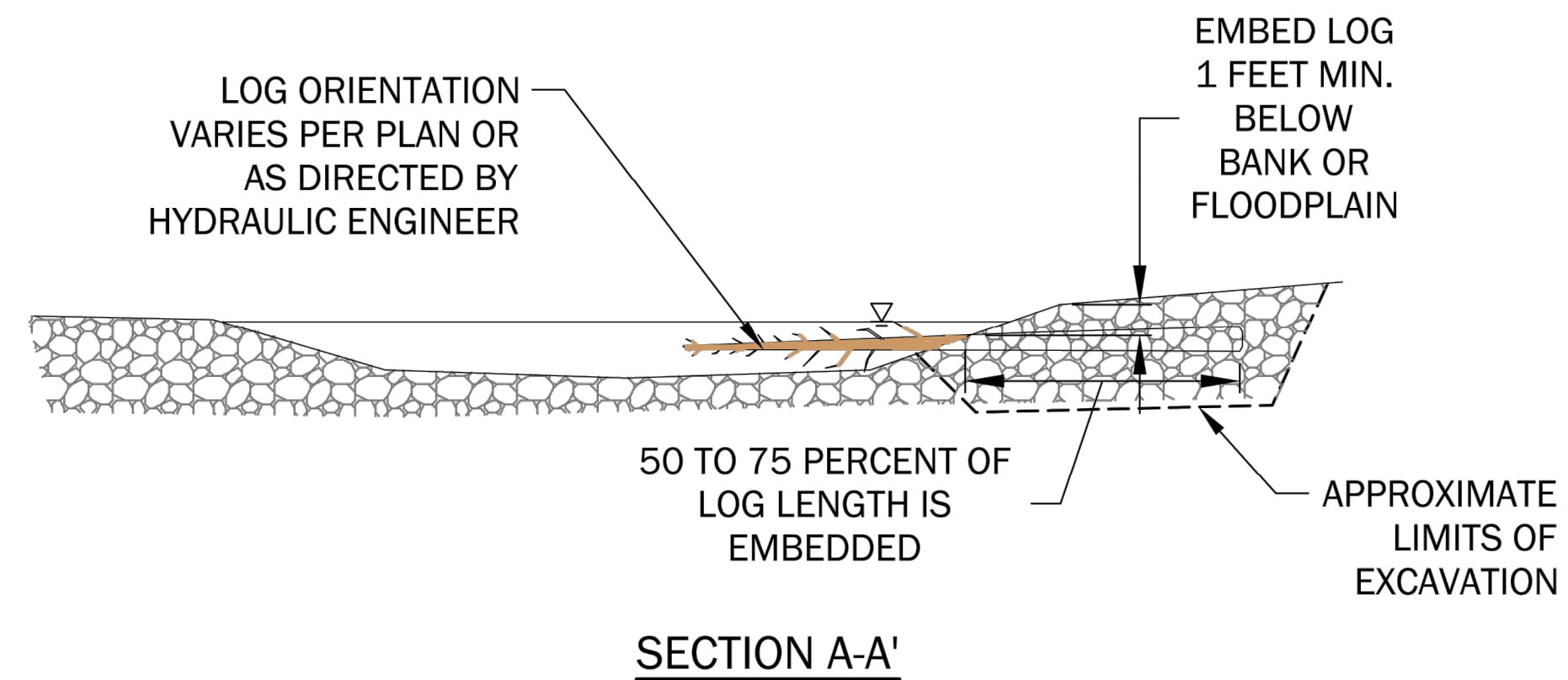
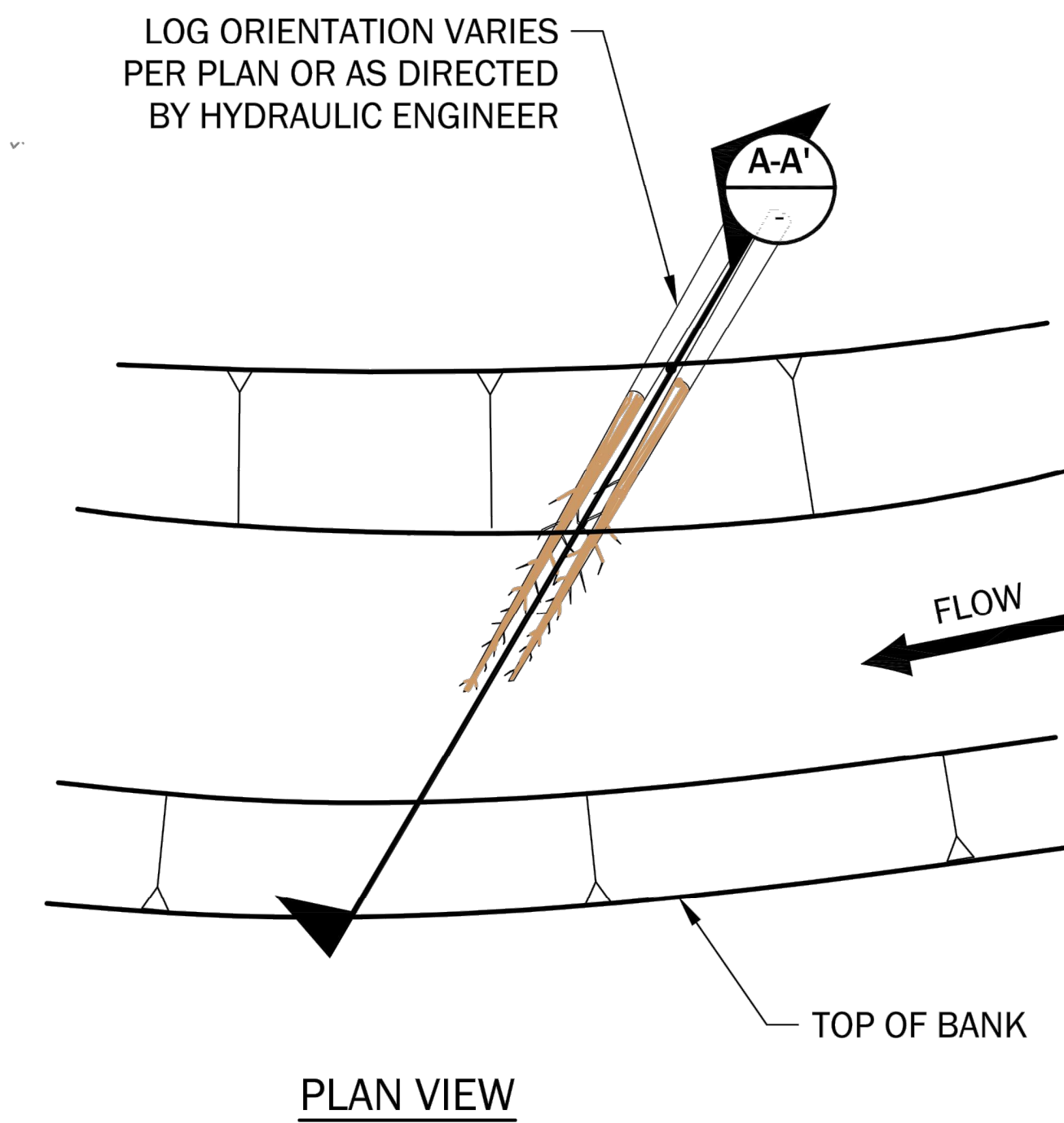
**DESIGN SPECIFICS:**

- PLACE ROOTWAD ON OR IN STREAM BED.
- TREES WITH BRANCHES OR MULTIPLE TRUNKS PREFERRED.
- SECURE KEY MEMBERS BY PINNING WITH VERTICAL POSTS, OR WITH BOULDERS.
- BALLAST SHALL BE INSTALLED ON KEY MEMBERS BURIED INTO BANK.
- INSTALL RACKING MEMBERS WHILE INSTALLING KEY MEMBERS.
- WEAVE RACKING MEMBERS AND SLASH (NOT SHOWN) INTO VOIDS BETWEEN KEY MEMBERS.
- RACKING AND SLASH QUANTITIES MAY VARY PER STRUCTURE.
- BACKFILL STRUCTURE IN 1FT MAX. LIFTS.
- COMPACT EACH LIFT FOLLOWING PLACEMENT.

**PURPOSE:**

- CREATES LATER SCOUR POOL.
- CREATES DIVERSE FISH HABITAT.
- PROVIDES COVER.

**HABITAT ROOTWADS** -  
SCALE: NTS



**DESIGN SPECIFICS:**

- SWEEPERS MAY BE PLACED INDEPENDENTLY OR INCORPORATED INTO OTHER LARGE WOOD STRUCTURES.
- TREES WITH BRANCHES OR MULTIPLE TRUNKS PREFERRED.
- THE DESIGN ENGINEER SHALL MAINTAIN THE ABILITY TO MAKE ADJUSTMENT TO THE PROPOSED STRUCTURE IF SITE CONDITIONS WARRANT.
- LOG TABLE FOR MATERIAL SIZES AND QUANTITIES TO BE DEVELOPED IN FUTURE DESIGN PHASES.
- LOGS CAN BE EXCAVATED OR PLACED OR DRIVEN.

**PURPOSE:**

- REDIRECTS FLOW.
- CREATES SCOUR.
- ENCOURAGES GRAVEL DEPOSITION.

**SWEEPER LOG** -  
SCALE: NTS

PRELIMINARY

NO.	DATE	BY	ISSUE / DESCRIPTION

DESIGNED BY:	GLS
DRAWN BY:	GLS
APPROVED BY:	DJE
REVISION NO.:	—
DATE:	11/30/22



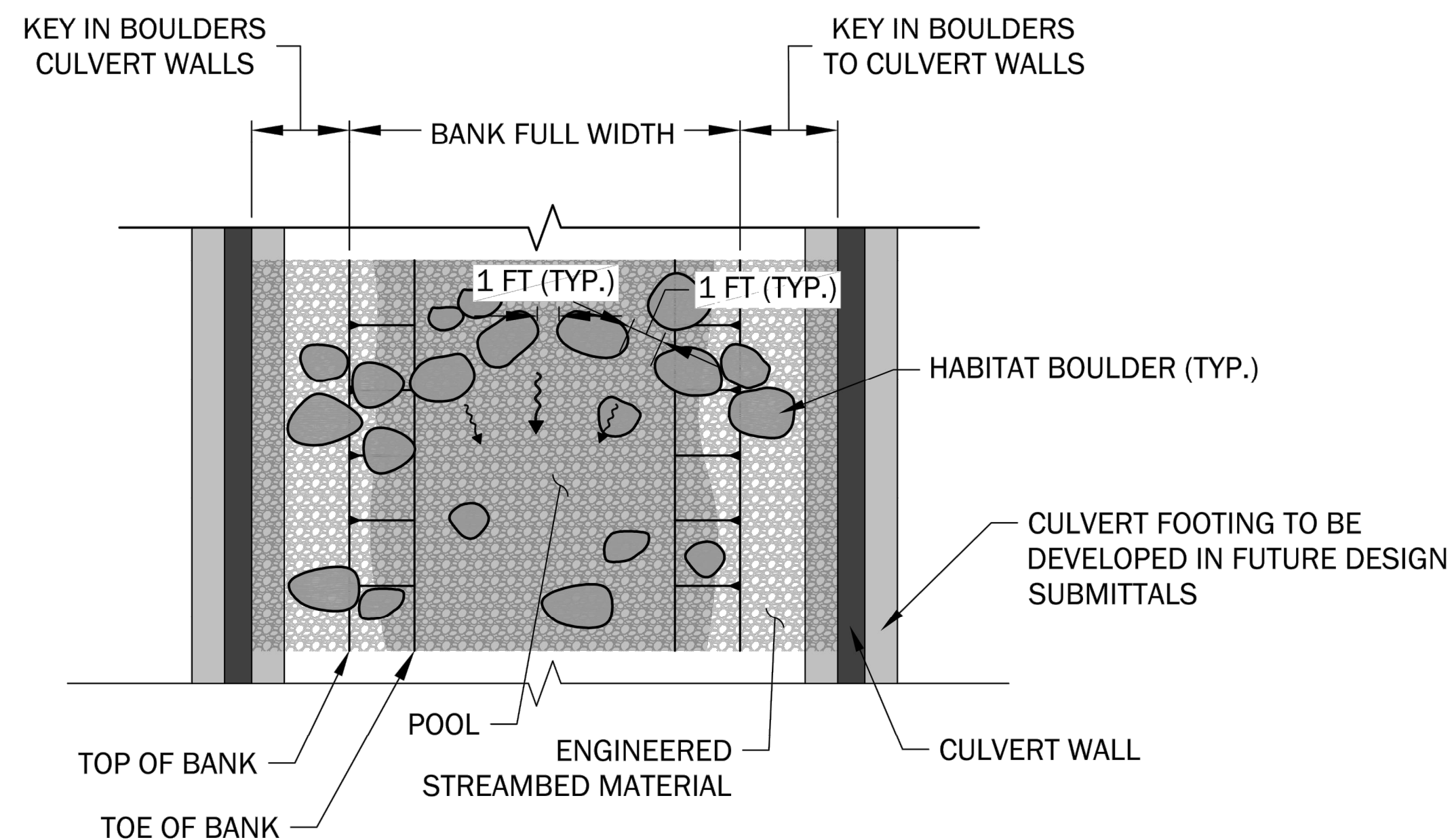
PREPARED FOR:  
**KPG PSOMAS, INC.**

CITY OF DUVALL, 3RD AVENUE NE RECONSTRUCTION, COE CLEMMONS CREEK  
DUVALL, WASHINGTON  
**STREAM AND HABITAT FEATURE DETAILS**

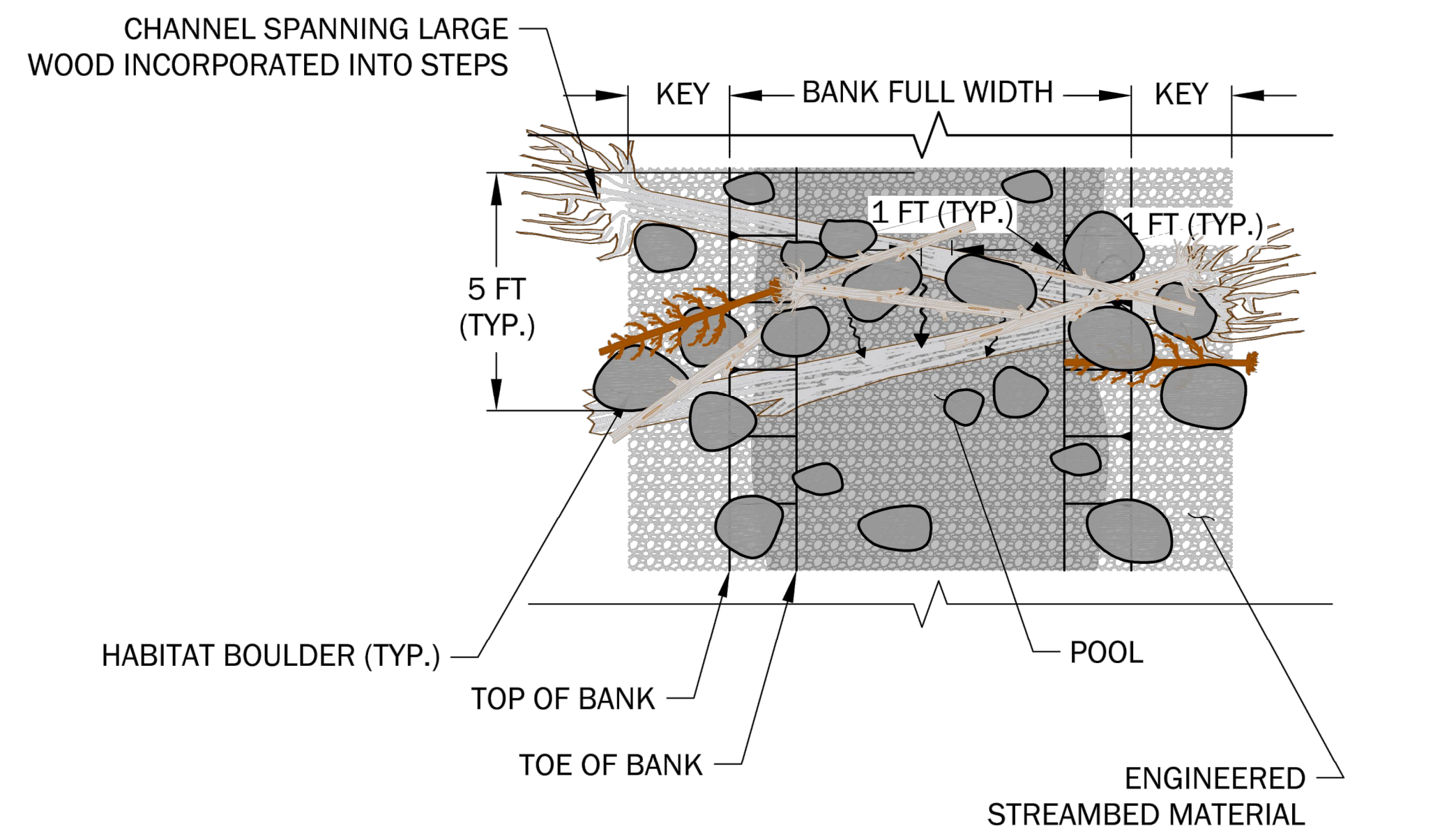
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**4.0**  
SHEET: 43 OF 82

DRAFT 30% SUBMITTAL - NOT FOR CONSTRUCTION

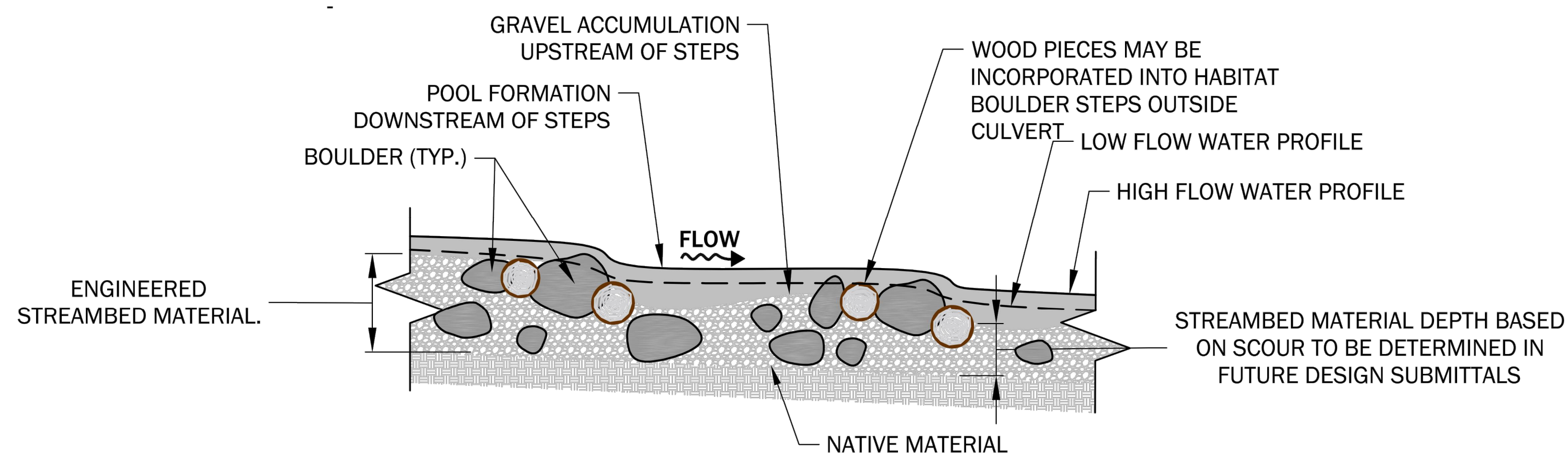
Plotted: 02/02/2023, 12:59 | gspann | \\geoengineers.com\WANI\Projects\9825926\CA\00\Culvert Crossing - Stream Restoration\01\_30\_Percent\5 4.1 [Stream and Habitat Feature Details].dwg



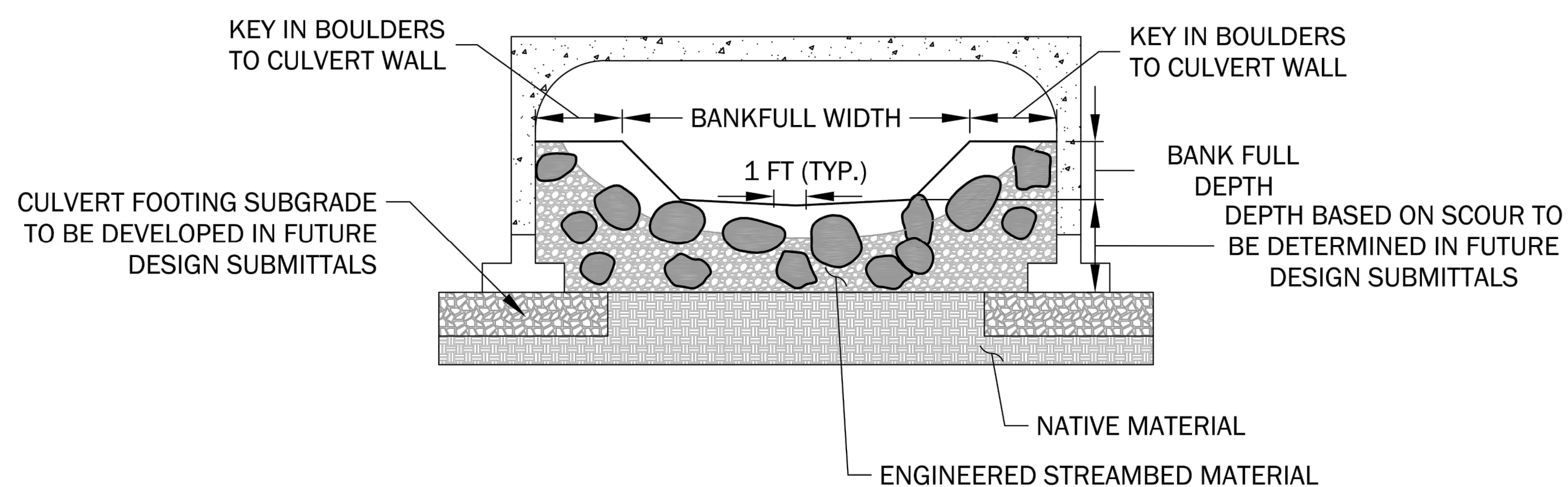
**TYPICAL BOULDER STEP POOL PLAN VIEW WITHIN CULVERT**  
SCALE: NTS



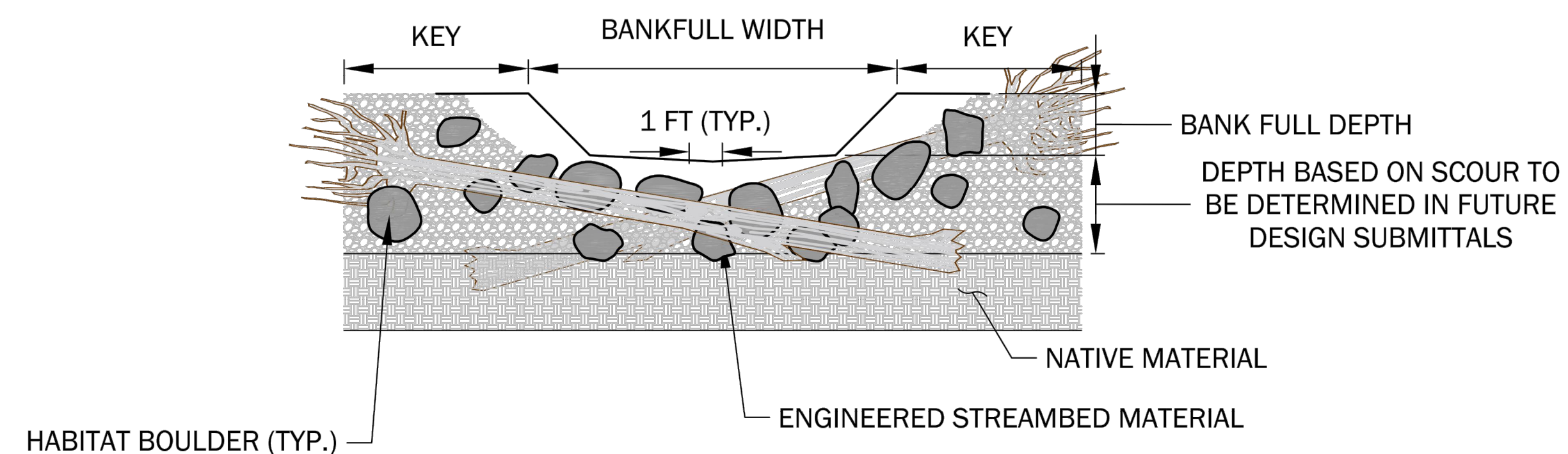
**TYPICAL WOOD AND BOULDER STEP POOL PLAN VIEW OUTSIDE CULVERT**  
SCALE: NTS



**TYPICAL BOULDER STEP POOL PROFILE VIEW**  
SCALE: NTS



**TYPICAL BOULDER STEP POOL SECTION VIEW WITHIN CULVERT**  
SCALE: NTS



**TYPICAL WOOD AND BOULDER STEP POOL SECTION VIEW OUTSIDE OF CULVERT**  
SCALE: NTS

PRELIMINARY

NO.	DATE	BY	ISSUE / DESCRIPTION

DESIGNED BY:	GLS
DRAWN BY:	GLS
APPROVED BY:	DJE
REVISION NO.:	—
DATE:	11/30/22



PREPARED FOR:  
KPG PSOMAS, INC.

CITY OF DUVALL, 3RD AVENUE NE RECONSTRUCTION, COE CLEMMONS CREEK  
DUVALL, WASHINGTON  
**STREAM AND HABITAT FEATURE DETAILS**

DRAWING NUMBER:  
**4.1**  
SHEET: 44 OF 82

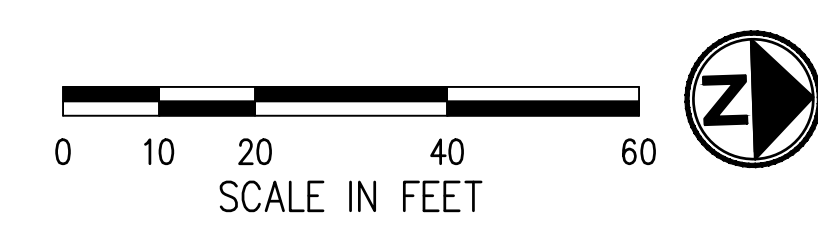
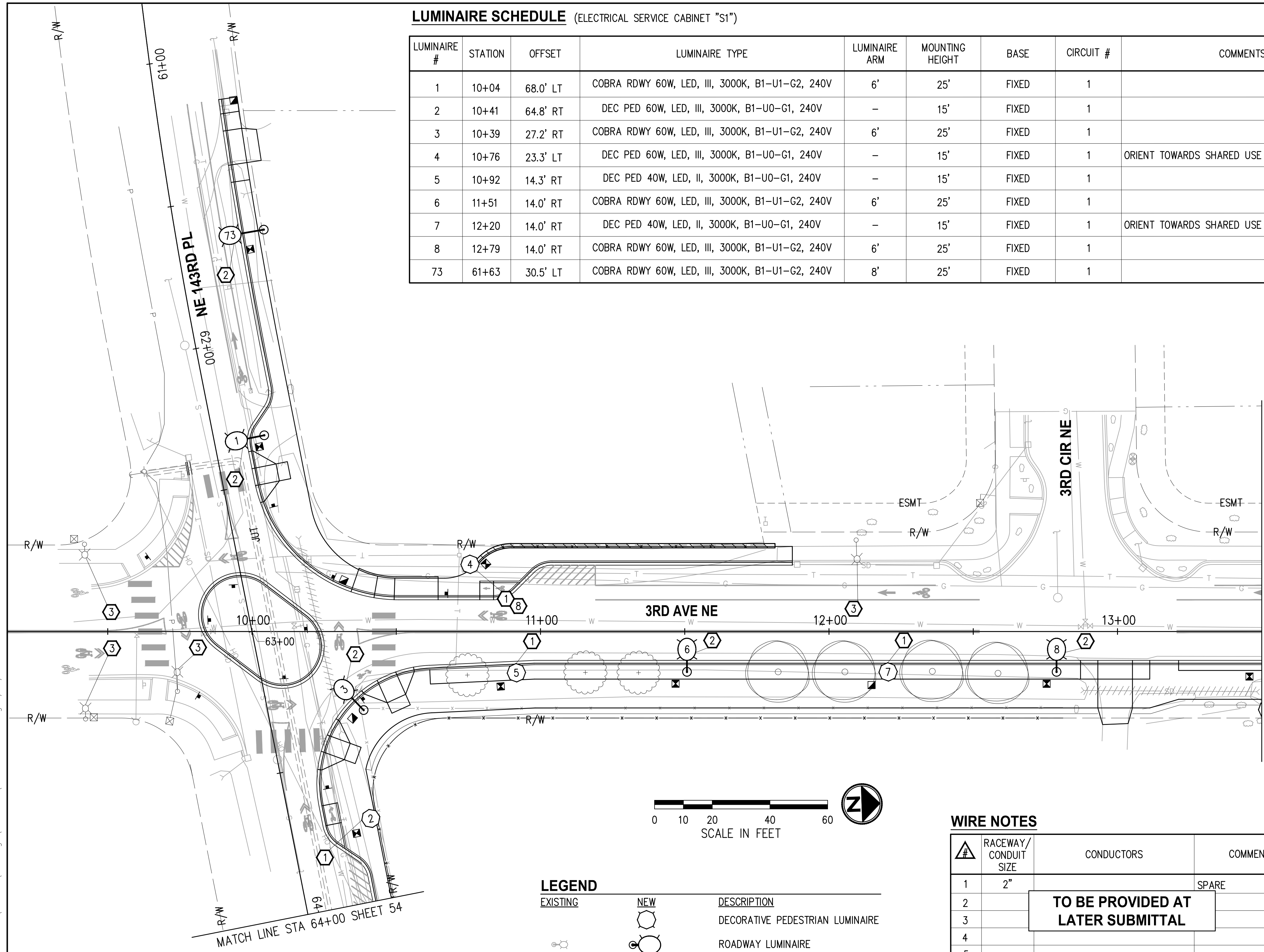
DRAFT 30% SUBMITTAL - NOT FOR CONSTRUCTION

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S1")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
1	10+04	68.0' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	1	
2	10+41	64.8' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	1	
3	10+39	27.2' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	1	
4	10+76	23.3' LT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	1	ORIENT TOWARDS SHARED USE PATH
5	10+92	14.3' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	1	
6	11+51	14.0' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	1	
7	12+20	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	1	ORIENT TOWARDS SHARED USE PATH
8	12+79	14.0' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	1	
73	61+63	30.5' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	8'	25'	FIXED	1	

**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
- ② CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL ROADWAY LUMINAIRE POLE, COBRA HEAD TYPE LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
- ③ EXISTING LUMINAIRE TO REMAIN. PROTECT ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING DURING CONSTRUCTION, WHERE APPLICABLE.
- ⑧ LUMINAIRE POLE FOUNDATION / UTILITY CONFLICT TO BE RESOLVED AT THE LATER SUBMITTAL.



**LEGEND**

	<b>EXISTING</b>		<b>NEW</b>	<b>DESCRIPTION</b>
				DECORATIVE PEDESTRIAN LUMINAIRE
				ROADWAY LUMINAIRE
				ELECTRICAL SERVICE CABINET
				SPEED RADAR SIGN
				JUNCTION BOX TYPE 1, 2, 8
				CONDUIT
				WIRE NOTE
				CONSTRUCTION NOTE

**WIRE NOTES**

WIRE #	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2			<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3			
4			
5			
6			

- NOTES**
1. ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVALL CONDUIT.
  2. ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

**GENERAL NOTES**

1. ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF DUVALL STANDARDS, PUGET SOUND ENERGY STANDARDS, THESE PLANS AND SPECIAL PROVISIONS.
2. UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
3. THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION ONLY. THE CONTRACTOR IS ALLOWED TO INSTALL CONDUIT IN THE JOINT UTILITY TRENCH WHERE PRACTICABLE. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
4. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REPRESENTATIVE (PSE), RAWLEY ROBINS AT (425) 456-2453 REGARDING THE ELECTRICAL SERVICE CONNECTION AND INSTALLATION OF THE METER BASE.
5. NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
6. ALL NEW JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL HAVE LOCKING AND SKID RESISTANT COATED LIDS AND FRAMES. JUNCTION BOXES SHALL NOT BE PLACED IN ADA CURB RAMPS OR ADA CURB RAMP LANDINGS.
7. THE LOCATION OF ALL FEATURES TO BE INSTALLED BY THE CONTRACTOR SHALL BE VERIFIED IN FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
8. EXISTING OR HIGHER ILLUMINATION LEVELS, SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION, BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL.

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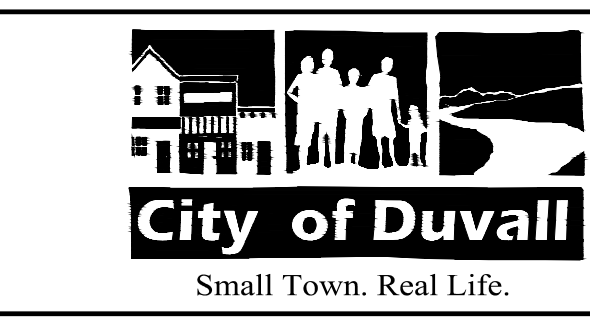
  

<b>Approved By</b>		21078ILL-PLN.dwg
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PROJECT MANAGER	DATE	EH 02/23
PROJECT ENGINEER	DATE	DESIGNED BY
		EH 02/23
		DRAWN BY
		JC 02/23
		CHECKED BY



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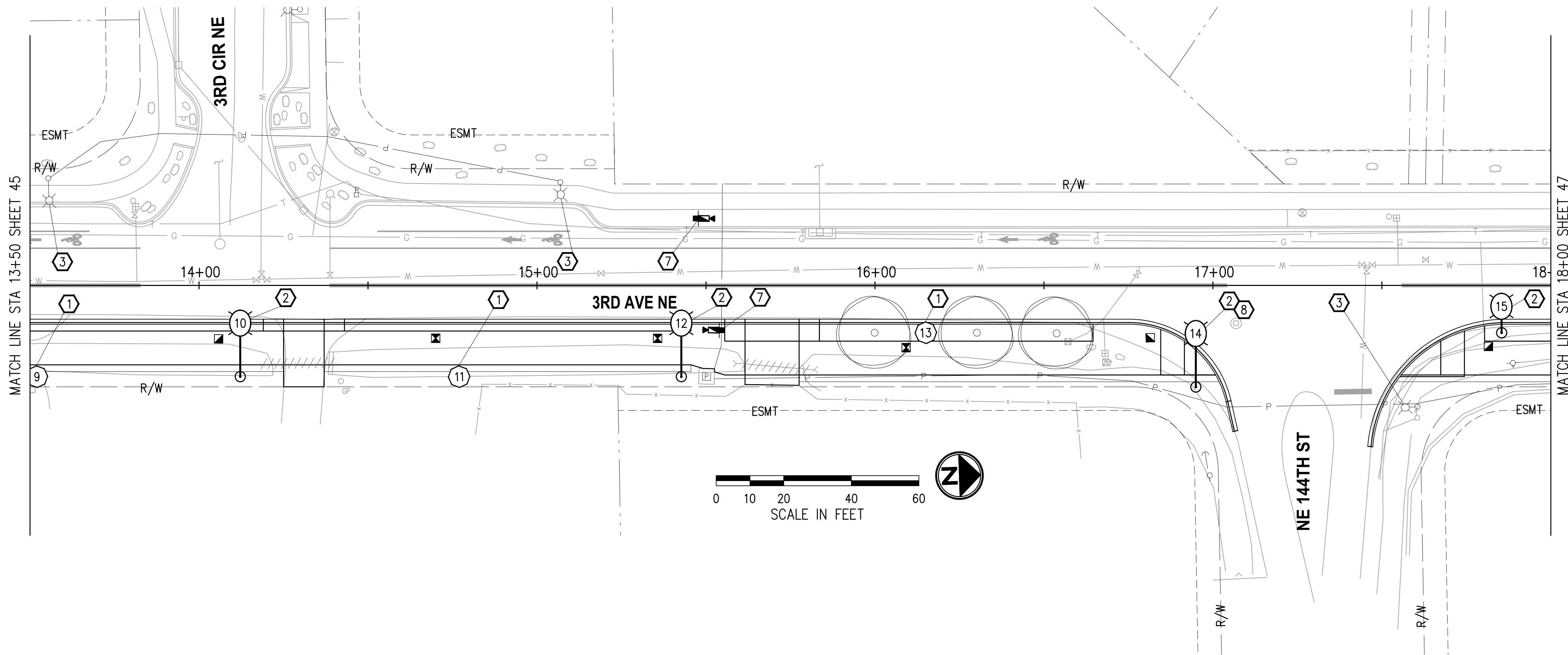
**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

ILLUMINATION PLAN  
 STA 9+25 TO STA 13+50

KPG PROJECT No. 21078 SHT 45 OF 82

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- ### CONSTRUCTION NOTES
- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
  - ② CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE, WHERE APPLICABLE). FURNISH AND INSTALL ROADWAY LUMINAIRE POLE, COBRA HEAD TYPE LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
  - ③ EXISTING LUMINAIRE TO REMAIN. PROTECT ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING DURING CONSTRUCTION, WHERE APPLICABLE.
  - ⑦ INSTALL FOUNDATION PER WSDOT STD PLAN J-21.10 (EXCEPT CIRCLE BOLT CONFIGURATION SHALL BE PER DETAILS, SHEET 55). FURNISH AND INSTALL 30" X 24" SOLAR POWERED SPEED RADAR SIGN WITH 12" LED DISPLAY AND YELLOW BACKGROUND PER DETAILS, SHEET 55. LOCATION SHALL BE PER CHANNELIZATION & SIGNING PLANS (TO BE COMPLETED AT THE NEXT SUBMITTAL). SOLAR PANEL SHALL BE MOUNTED TO TOP OF POLE AND ORIENTED TO FACE SOUTH. SEE SPECIAL PROVISIONS.
  - ⑧ LUMINAIRE POLE FOUNDATION / UTILITY CONFLICT TO BE RESOLVED AT THE LATER SUBMITTAL.

### LUMINAIRE SCHEDULE (ELECTRICAL SERVICE CABINET "S1")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
9	13+52	27.0' RT	DEC PED 40W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	1	
10	14+12	27.0' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	12'	25'	FIXED	1	
11	14+77	27.0' RT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	1	
12	15+43	27.0' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	12'	25'	FIXED	1	
13	16+15	14.0' RT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	1	
14	16+95	30.1' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	12'	25'	FIXED	1	
15	17+85	14.0' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	1	

### LEGEND

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

### WIRE NOTES

▲	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2		<b>TO BE PROVIDED AT LATER SUBMITTAL</b>	
3			
4			
5			

- ### NOTES
1. ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVALL CONDUIT.
  2. ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

### GENERAL NOTES

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4. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REPRESENTATIVE (PSE), RAWLEY ROBINS AT (425) 456-2453 REGARDING THE ELECTRICAL SERVICE CONNECTION AND INSTALLATION OF THE METER BASE.
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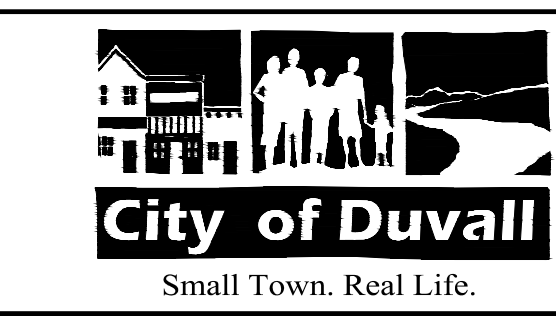
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<b>Approved By</b>		21078ILL-PLN.dwg
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PROJECT ENGINEER	DATE	DESIGNED BY
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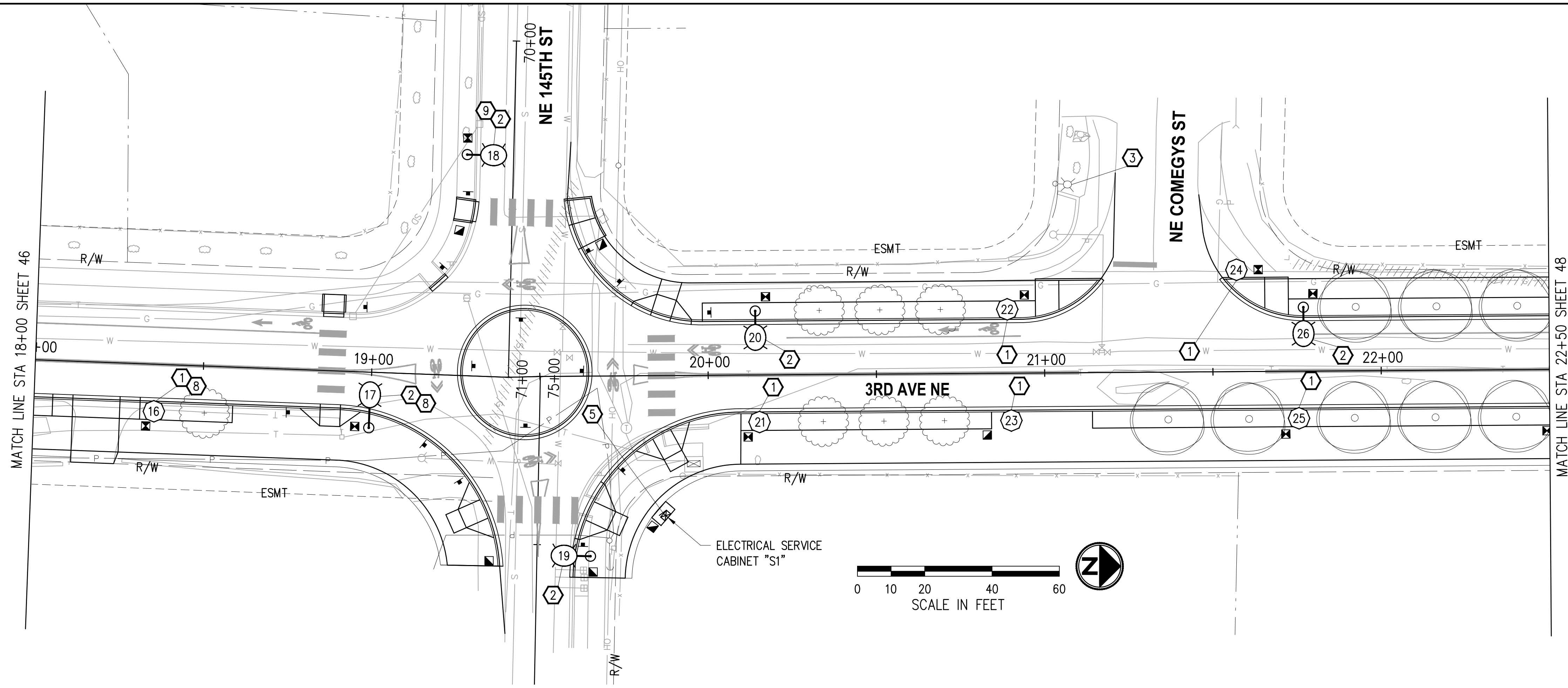
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

ILLUMINATION PLAN	
STA 13+50 TO STA 18+00	
KPG PROJECT No. 21078	SHT 46 OF 82

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**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
- ② CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE, WHERE APPLICABLE). FURNISH AND INSTALL ROADWAY LUMINAIRE POLE, COBRA HEAD TYPE LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
- ③ EXISTING LUMINAIRE TO REMAIN. PROTECT ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING DURING CONSTRUCTION, WHERE APPLICABLE.
- ⑤ CONSTRUCT ELECTRICAL SERVICE CABINET FOUNDATION PER WSDOT STD PLAN J-10.10. FURNISH AND INSTALL TYPE D ELECTRICAL SERVICE CABINET PER WSDOT STD PLAN J-10.21. CIRCUITS SHALL MATCH PANEL SCHEDULE PER SHEET 56 (TO BE COMPLETED AT THE NEXT SUBMITTAL). VERIFY FINAL LOCATION WITH THE ENGINEER IN THE FIELD. COORDINATE ELECTRICAL METER BASE INSTALLATION WITH THE PSE REPRESENTATIVE. SEE SPECIAL PROVISIONS.
- ⑧ LUMINAIRE POLE FOUNDATION / UTILITY CONFLICT TO BE RESOLVED AT THE LATER SUBMITTAL.
- ⑨ LUMINAIRE POLE FOUNDATION IN CONFLICT WITH ABANDONED STORM PIPE. REMOVE CONFLICTING PIPE SECTION AND CAP BOTH ENDS.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S1", "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
16	18+36	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	1	ORIENT TOWARDS SHARED USE PATH
17	19+00	16.5' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	1	
18	19+26	65.7' LT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	6'	25'	FIXED	2	
19	19+65	53.5' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	6'	25'	FIXED	1	
20	20+14	19.0' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	2	
21	20+15	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
22	20+89	19.0' LT	DEC PED 40W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	2	ORIENT TOWARDS SIDEWALK
23	20+90	14.1' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
24	21+57	30.3' LT	DEC PED 60W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	2	
25	21+75	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
26	21+77	19.0' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	3	

**WIRE NOTES**

RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1 2"		SPARE
2		<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3		
4		
5		

- NOTES**
- ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVALL CONDUIT.
  - ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

**GENERAL NOTES**

- ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF DUVALL STANDARDS, PUGET SOUND ENERGY STANDARDS, THESE PLANS AND SPECIAL PROVISIONS.
- UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION ONLY. THE CONTRACTOR IS ALLOWED TO INSTALL CONDUIT IN THE JOINT UTILITY TRENCH WHERE PRACTICABLE. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
- CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REPRESENTATIVE (PSE), RAWLEY ROBINS AT (425) 456-2453 REGARDING THE ELECTRICAL SERVICE CONNECTION AND INSTALLATION OF THE METER BASE.
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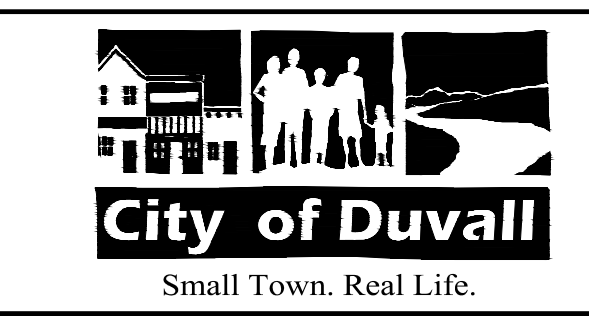
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PROJECT ENGINEER	DATE	DRAWN BY JC 02/23
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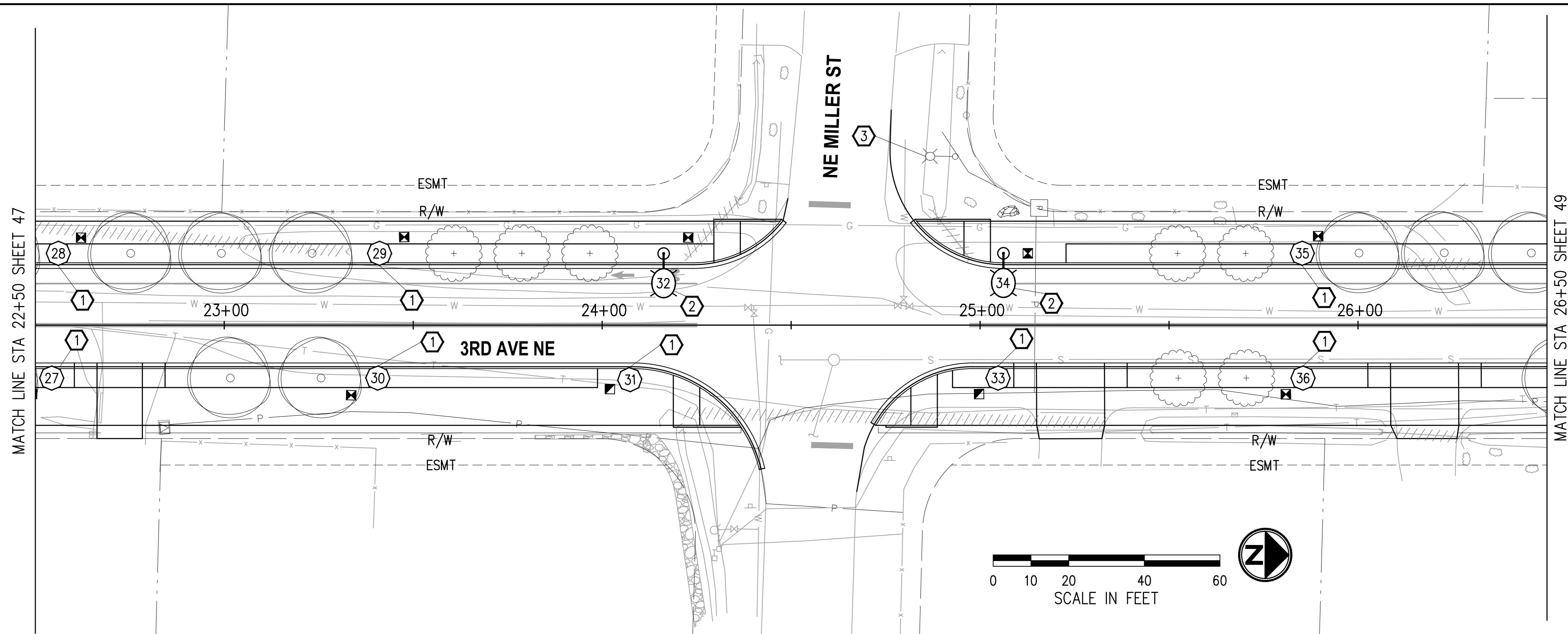
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

<b>ILLUMINATION PLAN</b>	
STA 18+00 TO STA 22+50	
KPG PROJECT No. 21078	SHT <u>47</u> OF <u>82</u>



**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
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- ③ EXISTING LUMINAIRE TO REMAIN. PROTECT ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING DURING CONSTRUCTION, WHERE APPLICABLE.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S1", "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
27	22+54	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
28	22+56	19.0' LT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	2	
29	23+41	19.0' LT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	2	
30	23+41	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
31	24+07	14.4' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
32	24+16	18.9' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	2	
33	25+05	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
34	25+06	19.0' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	2	
35	25+85	19.0' LT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	2	
36	25+85	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH

**WIRE NOTES**

RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"	SPARE
2	<b>TO BE PROVIDED AT LATER SUBMITTAL</b>	
3		
4		
5		

**NOTES**

- 1. ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVAL CONDUIT.
- 2. ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

**GENERAL NOTES**

- 1. ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF DUVAL STANDARDS, PUGET SOUND ENERGY STANDARDS, THESE PLANS AND SPECIAL PROVISIONS.
- 2. UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- 3. THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION ONLY. THE CONTRACTOR IS ALLOWED TO INSTALL CONDUIT IN THE JOINT UTILITY TRENCH WHERE PRACTICABLE. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
- 4. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REPRESENTATIVE (PSE), RAWLEY ROBINS AT (425) 456-2453 REGARDING THE ELECTRICAL SERVICE CONNECTION AND INSTALLATION OF THE METER BASE.
- 5. NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- 6. ALL NEW JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL HAVE LOCKING AND SKID RESISTANT COATED LIDS AND FRAMES. JUNCTION BOXES SHALL NOT BE PLACED IN ADA CURB RAMPS OR ADA CURB RAMP LANDINGS.
- 7. THE LOCATION OF ALL FEATURES TO BE INSTALLED BY THE CONTRACTOR SHALL BE VERIFIED IN FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
- 8. EXISTING OR HIGHER ILLUMINATION LEVELS, SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION, BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL.

**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

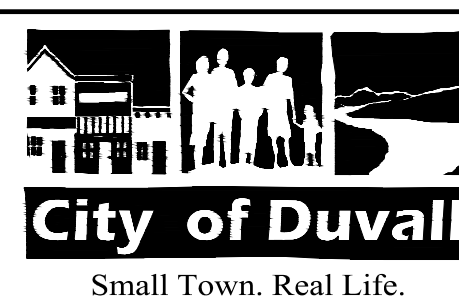
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PROJECT ENGINEER	DATE	JC 02/23 CHECKED BY 02/23



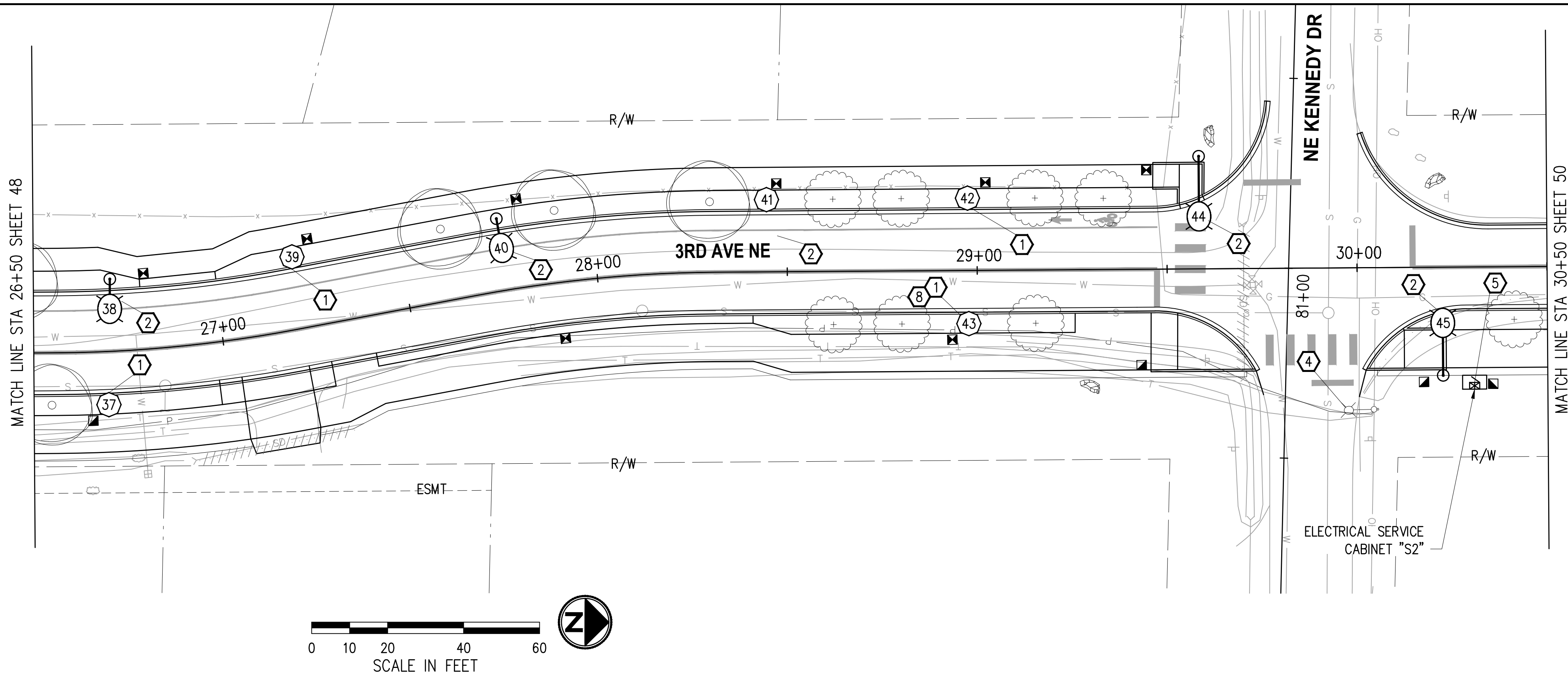
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**30% REVIEW SUBMITTAL**



**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

ILLUMINATION PLAN	
STA 22+50 TO STA 26+50	
KPG PROJECT No. 21078	SHT 48 OF 82



**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK – PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
- ② CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK – PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE, WHERE APPLICABLE). FURNISH AND INSTALL ROADWAY LUMINAIRE POLE, COBRA HEAD TYPE LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
- ④ EXISTING TIMBER UTILITY POLE MOUNTED LUMINAIRE TO BE REMOVED BY OTHERS. COORDINATE WORK WITH THE PUGET SOUND ENERGY REPRESENTATIVE.
- ⑤ CONSTRUCT ELECTRICAL SERVICE CABINET FOUNDATION PER WSDOT STD PLAN J-10.10. FURNISH AND INSTALL TYPE D ELECTRICAL SERVICE CABINET PER WSDOT STD PLAN J-10.21. CIRCUITS SHALL MATCH PANEL SCHEDULE PER SHEET 56 (TO BE COMPLETED AT THE NEXT SUBMITTAL). VERIFY FINAL LOCATION WITH THE ENGINEER IN THE FIELD. COORDINATE ELECTRICAL METER BASE INSTALLATION WITH THE PSE REPRESENTATIVE. SEE SPECIAL PROVISIONS.
- ⑧ LUMINAIRE POLE FOUNDATION / UTILITY CONFLICT TO BE RESOLVED AT THE LATER SUBMITTAL.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S1", "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
37	26+69	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
38	26+71	19.0' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	2	
39	27+22	19.0' LT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	2	
40	27+76	19.0' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	2	
41	28+45	19.0' LT	DEC PED 60W, LED, III, B1-U0-G1, 240V	-	15'	FIXED	2	
42	28+98	19.0' LT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	2	
43	28+98	14.0' RT	DEC PED 25W, LED, II, B1-U0-G1, 240V	-	15'	FIXED	3	ORIENT TOWARDS SHARED USE PATH
44	29+58	29.6' LT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	12'	25'	FIXED	2	
45	30+22	28.5' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	12'	25'	FIXED	4	INSTALL HOUSE SIDE SHIELD

**WIRE NOTES**

RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1 2"		SPARE
2		<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3		
4		
5		

- NOTES**
- ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVALL CONDUIT.
  - ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

**GENERAL NOTES**

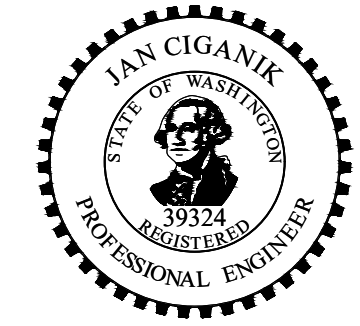
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**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

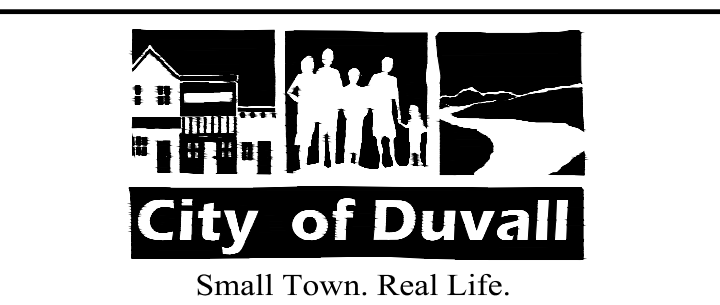
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PROJECT ENGINEER	DATE	DESIGNED BY 02/23
		DRAWN BY 02/23
		JC 02/23
		CHECKED BY 02/23



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 Seattle  
 3131 Elliott Avenue, Suite 400  
 Seattle, WA 98121 206.286.1640  
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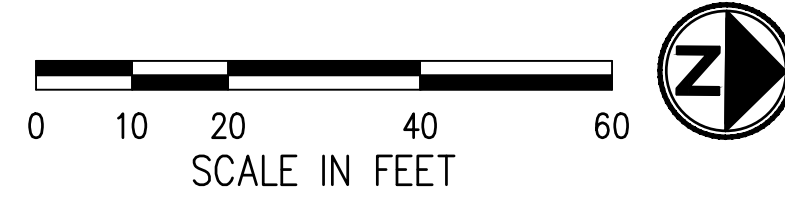
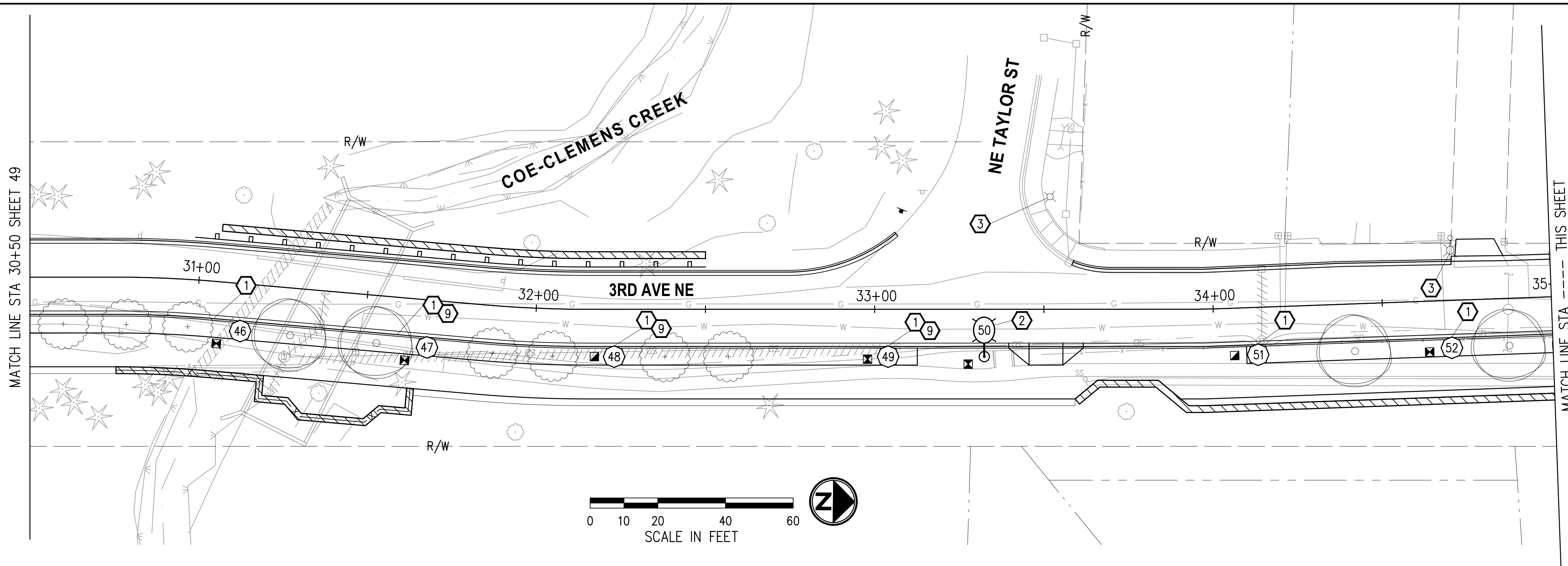
**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

ILLUMINATION PLAN  
 STA 26+50 TO STA 30+50

KPG PROJECT No. 21078 SHT 49 OF 82

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**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
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- ③ EXISTING LUMINAIRE TO REMAIN. PROTECT ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING DURING CONSTRUCTION, WHERE APPLICABLE.
- ⑨ LUMINAIRE POLE FOUNDATION IN CONFLICT WITH ABANDONED STORM PIPE. REMOVE CONFLICTING PIPE SECTION AND CAP BOTH ENDS.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
46	31+06	14.0' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
47	31+60	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
48	32+23	14.0' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
49	33+04	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
50	33+32	14.0' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	6'	25'	FIXED	4	
51	34+13	14.0' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
52	34+70	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH

**WIRE NOTES**

▲	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2			<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3			
4			
5			

- NOTES**
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  - ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

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**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
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		WIRE NOTE
		CONSTRUCTION NOTE

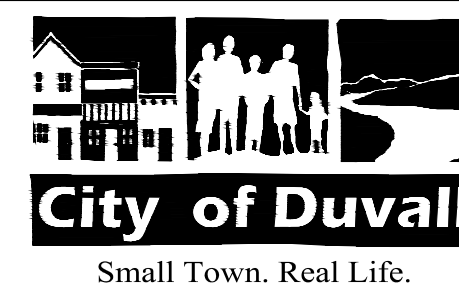
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Approved By		21078ILL02.dwg
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PROJECT ENGINEER	DATE	DESIGNED BY
		DATE
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		DATE



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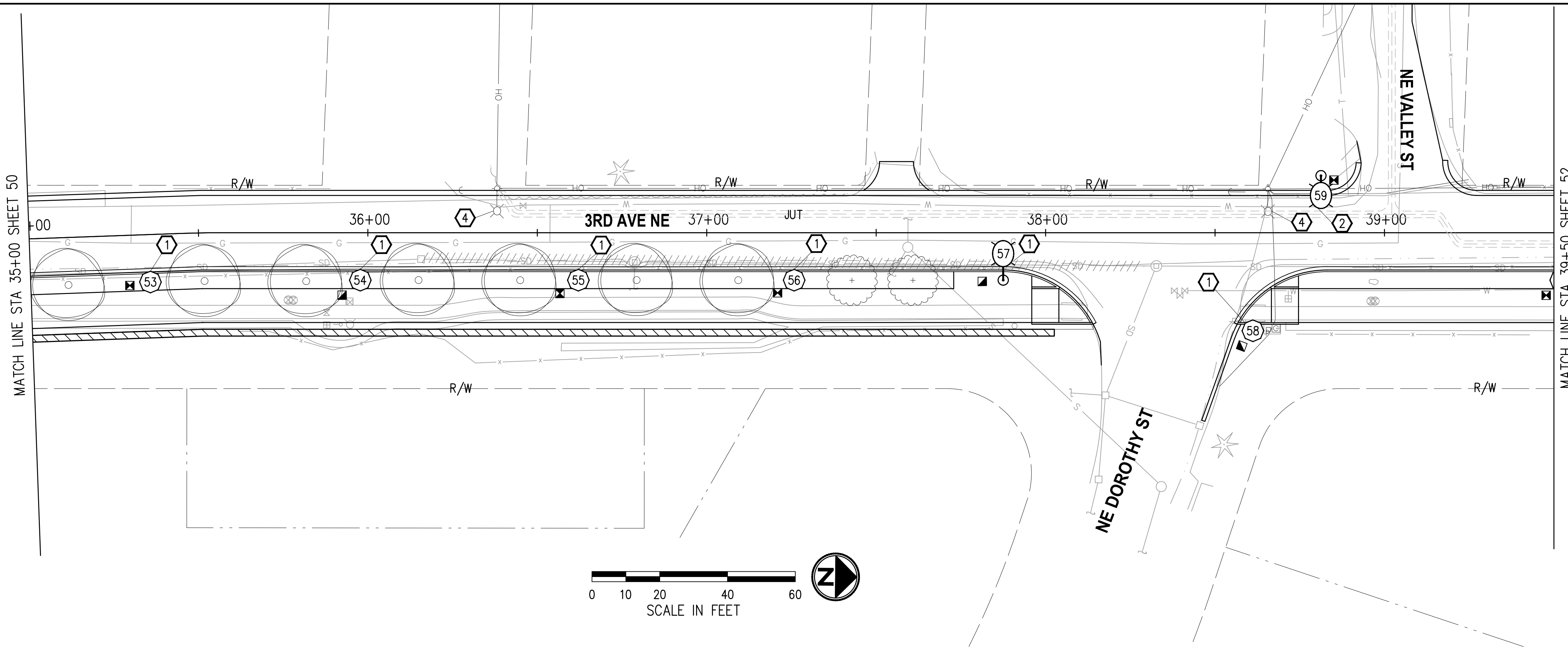
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**ILLUMINATION PLAN**  
 STA 30+50 TO STA 35+00

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**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
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- ④ EXISTING TIMBER UTILITY POLE MOUNTED LUMINAIRE TO BE REMOVED BY OTHERS. COORDINATE WORK WITH THE PUGET SOUND ENERGY REPRESENTATIVE.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
53	35+35	14.0' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
54	35+98	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
55	36+62	14.0' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
56	37+26	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
57	37+87	14.0' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	4	
58	38+61	28.9' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	INSTALL HOUSE SIDE SHIELD
59	38+81	16.8' LT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	12'	25'	FIXED	4	

**WIRE NOTES**

#	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2		<b>TO BE PROVIDED AT LATER SUBMITTAL</b>	
3			
4			
5			

**NOTES**

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- 2. ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

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- 1. ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF DUVAL STANDARDS, PUGET SOUND ENERGY STANDARDS, THESE PLANS AND SPECIAL PROVISIONS.
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- 3. THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION ONLY. THE CONTRACTOR IS ALLOWED TO INSTALL CONDUIT IN THE JOINT UTILITY TRENCH WHERE PRACTICABLE. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
- 4. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REPRESENTATIVE (PSE), RAWLEY ROBINS AT (425) 456-2453 REGARDING THE ELECTRICAL SERVICE CONNECTION AND INSTALLATION OF THE METER BASE.
- 5. NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- 6. ALL NEW JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL HAVE LOCKING AND SKID RESISTANT COATED LIDS AND FRAMES. JUNCTION BOXES SHALL NOT BE PLACED IN ADA CURB RAMPS OR ADA CURB RAMP LANDINGS.
- 7. THE LOCATION OF ALL FEATURES TO BE INSTALLED BY THE CONTRACTOR SHALL BE VERIFIED IN FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
- 8. EXISTING OR HIGHER ILLUMINATION LEVELS, SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION, BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL.

**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

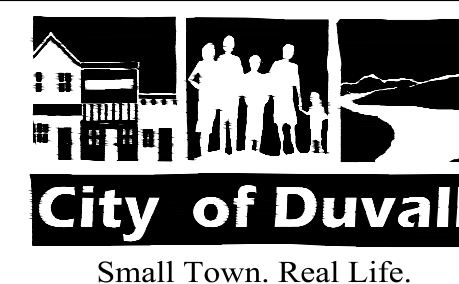
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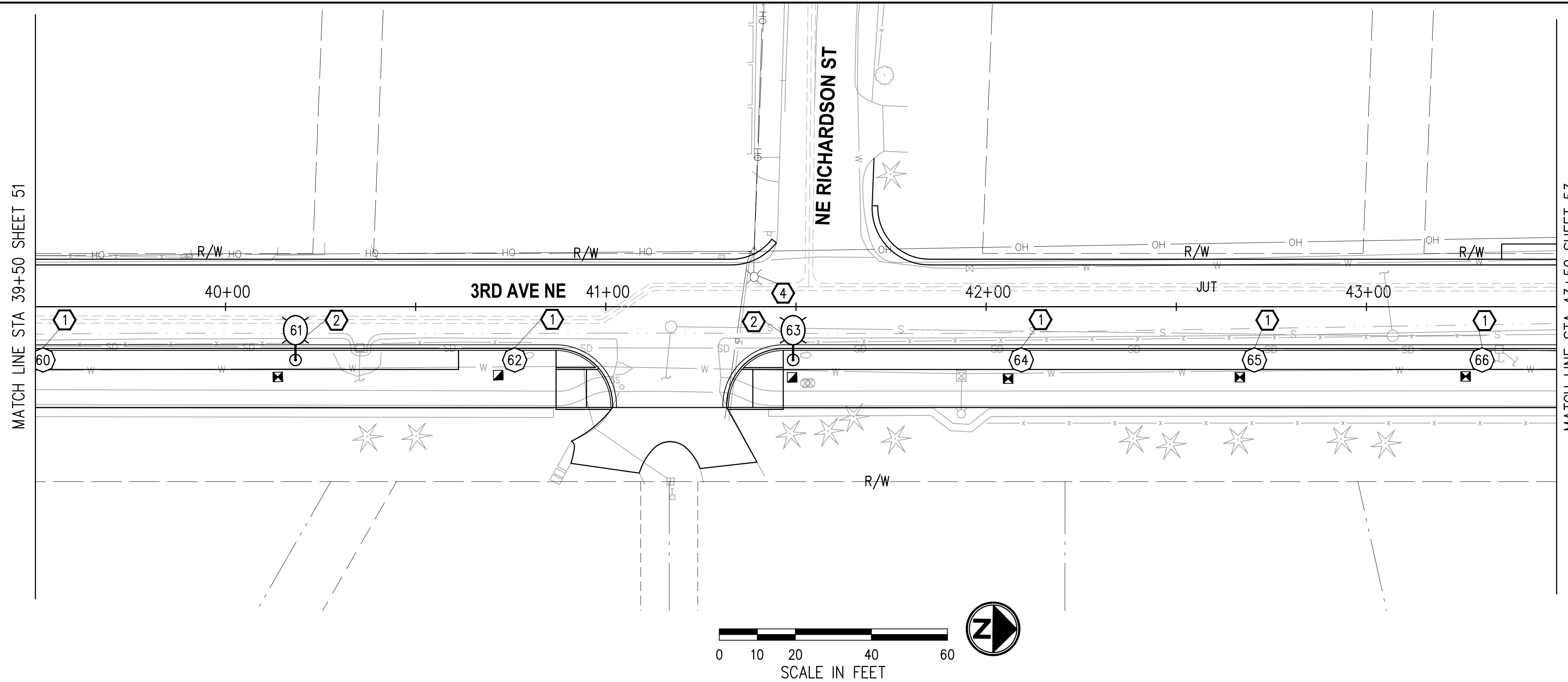
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**ILLUMINATION PLAN**  
 STA 35+00 TO STA 39+50

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**CONSTRUCTION NOTES**

- ① CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-28.30 (TYPE A) EXCEPT USE 4-BOLT BASE PLATE CONFIGURATION PER DETAIL SHEET 55 (TOP OF FOUNDATION SHALL MATCH BOTTOM OF SIDEWALK - PROVIDE ADDITIONAL 4" TO ANCHOR BOLT LENGTH, OR MATCH TOP OF SOFTSCAPE WHERE APPLICABLE). FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, POST TOP DECORATIVE PEDESTRIAN LED LUMINAIRE, DECORATIVE BASE, AND ALL ASSOCIATED EQUIPMENT PER DETAILS SHEET 55. FOR ADDITIONAL LUMINAIRE DETAILS SEE LUMINAIRE SCHEDULE, THIS SHEET. JUNCTION BOX, CONDUIT AND POLE BASE WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT SHALL BE 2" PVC AND WIRING SHALL BE 3-#8 AWG). SEE SPECIAL PROVISIONS.
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- ④ EXISTING TIMBER UTILITY POLE MOUNTED LUMINAIRE TO BE REMOVED BY OTHERS. COORDINATE WORK WITH THE PUGET SOUND ENERGY REPRESENTATIVE.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
60	39+52	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
61	40+18	14.0' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	6'	25'	FIXED	4	
62	40+76	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
63	41+49	14.0' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	6'	25'	FIXED	4	
64	42+09	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH
65	42+71	14.0' RT	DEC PED 60W, LED, III, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
66	43+30	14.0' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	ORIENT TOWARDS SHARED USE PATH

**WIRE NOTES**

#	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2			<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3			
4			
5			

- NOTES**
- ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVALL CONDUIT.
  - ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

**GENERAL NOTES**

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- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- ALL NEW JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL HAVE LOCKING AND SKID RESISTANT COATED LIDS AND FRAMES. JUNCTION BOXES SHALL NOT BE PLACED IN ADA CURB RAMPS OR ADA CURB RAMP LANDINGS.
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**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

NO.	DATE	BY	APPR.	REVISIONS

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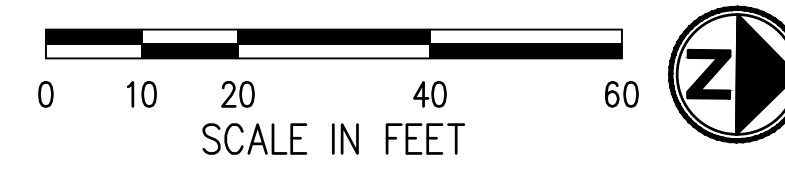
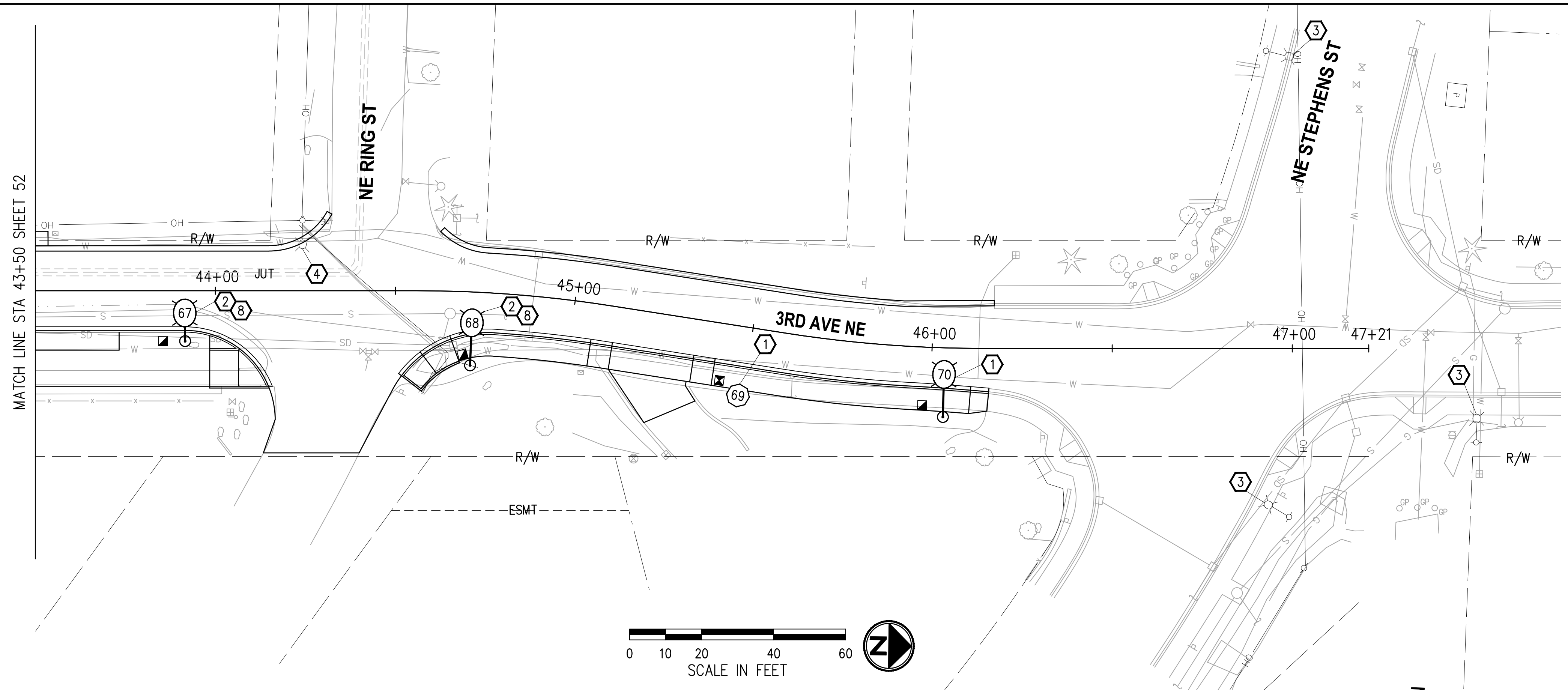
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**ILLUMINATION PLAN**  
 STA 39+50 TO STA 43+50

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**CONSTRUCTION NOTES**

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- ③ EXISTING LUMINAIRE TO REMAIN. PROTECT ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING DURING CONSTRUCTION, WHERE APPLICABLE.
- ④ EXISTING TIMBER UTILITY POLE MOUNTED LUMINAIRE TO BE REMOVED BY OTHERS. COORDINATE WORK WITH THE PUGET SOUND ENERGY REPRESENTATIVE.
- ⑧ LUMINAIRE POLE FOUNDATION / UTILITY CONFLICT TO BE RESOLVED AT THE LATER SUBMITTAL.

**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S2")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
67	43+92	14.0' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	6'	25'	FIXED	4	
68	44+72	20.4' RT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	10'	25'	FIXED	4	INSTALL HOUSE SIDE SHIELD
69	45+49	19.1' RT	DEC PED 40W, LED, II, 3000K, B1-U0-G1, 240V	-	15'	FIXED	4	
70	46+04	19.2' RT	COBRA RDWY 60W, LED, III, 3000K, B1-U1-G2, 240V	10'	25'	FIXED	4	INSTALL HOUSE SIDE SHIELD

**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

**WIRE NOTES**

RAILWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"	SPARE
2		<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3		
4		
5		
6		

- NOTES**
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  - ALL NEW CONDUIT SHALL BE RIGID PVC SCH 80.

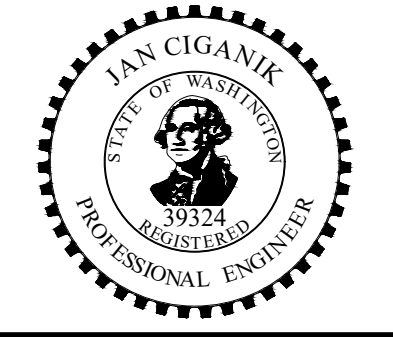
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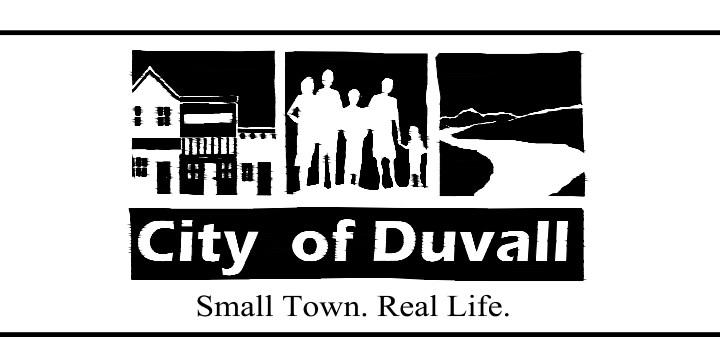
  

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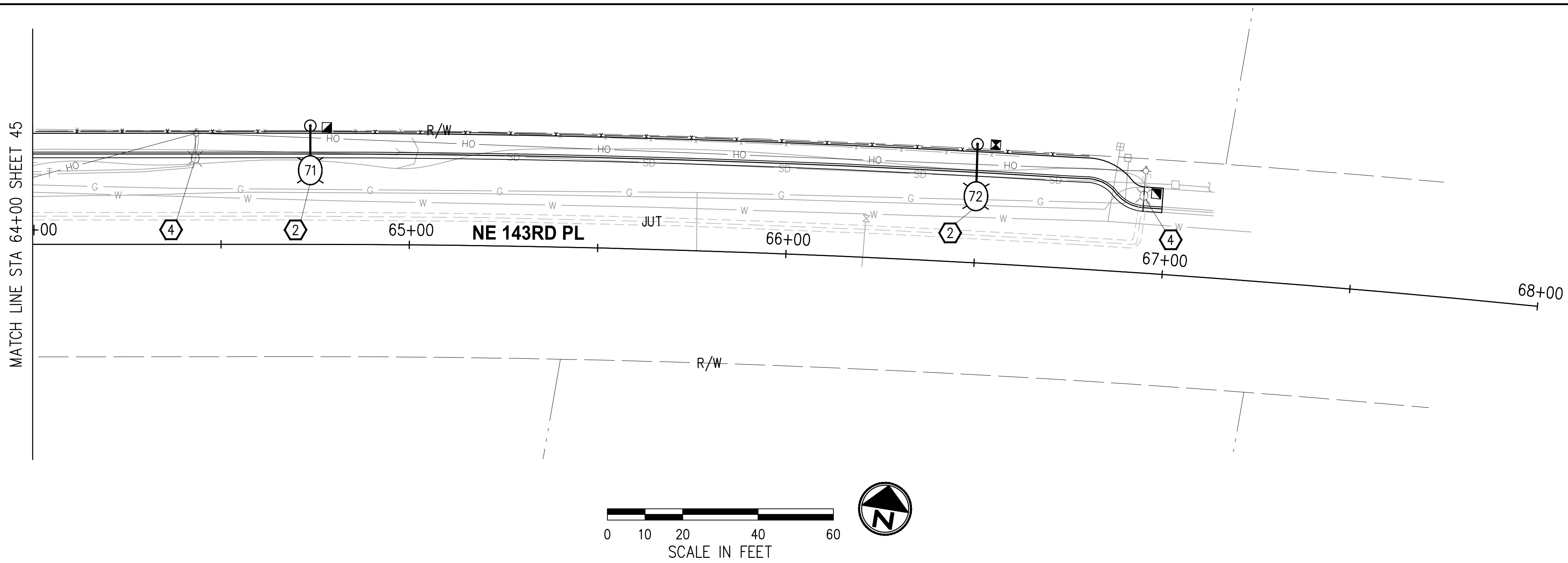
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

ILLUMINATION PLAN	
STA 43+50 TO STA 47+21	
KPG PROJECT No. 21078	SHT <u>53</u> OF <u>82</u>

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**CONSTRUCTION NOTES**

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**LUMINAIRE SCHEDULE** (ELECTRICAL SERVICE CABINET "S1")

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
71	64+74	31.5' LT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	10'	25'	FIXED	1	INSTALL HOUSE SIDE SHIELD
72	66+49	31.5' LT	COBRA RDWY 85W, LED, II, 3000K, B1-U2-G2, 240V	10'	25'	FIXED	1	INSTALL HOUSE SIDE SHIELD

**WIRE NOTES**

RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1 2"		SPARE
2		<b>TO BE PROVIDED AT LATER SUBMITTAL</b>
3		
4		
5		
6		

**NOTES**

1. ALL NEW CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (NOT SHOWN IN THE TABLE ABOVE). GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUITS SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE LABELED CITY OF DUVALL CONDUIT.
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**GENERAL NOTES**

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**LEGEND**

EXISTING	NEW	DESCRIPTION
		DECORATIVE PEDESTRIAN LUMINAIRE
		ROADWAY LUMINAIRE
		ELECTRICAL SERVICE CABINET
		SPEED RADAR SIGN
		JUNCTION BOX TYPE 1, 2, 8
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		WIRE NOTE
		CONSTRUCTION NOTE

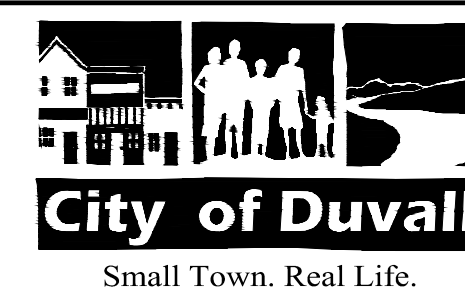
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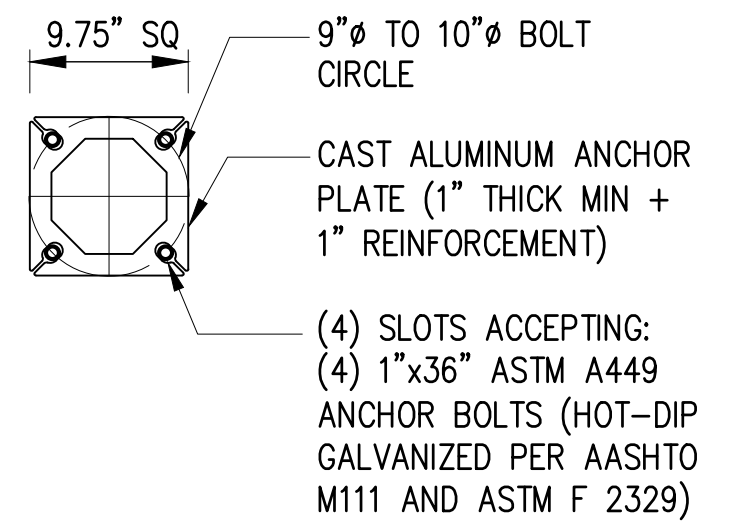
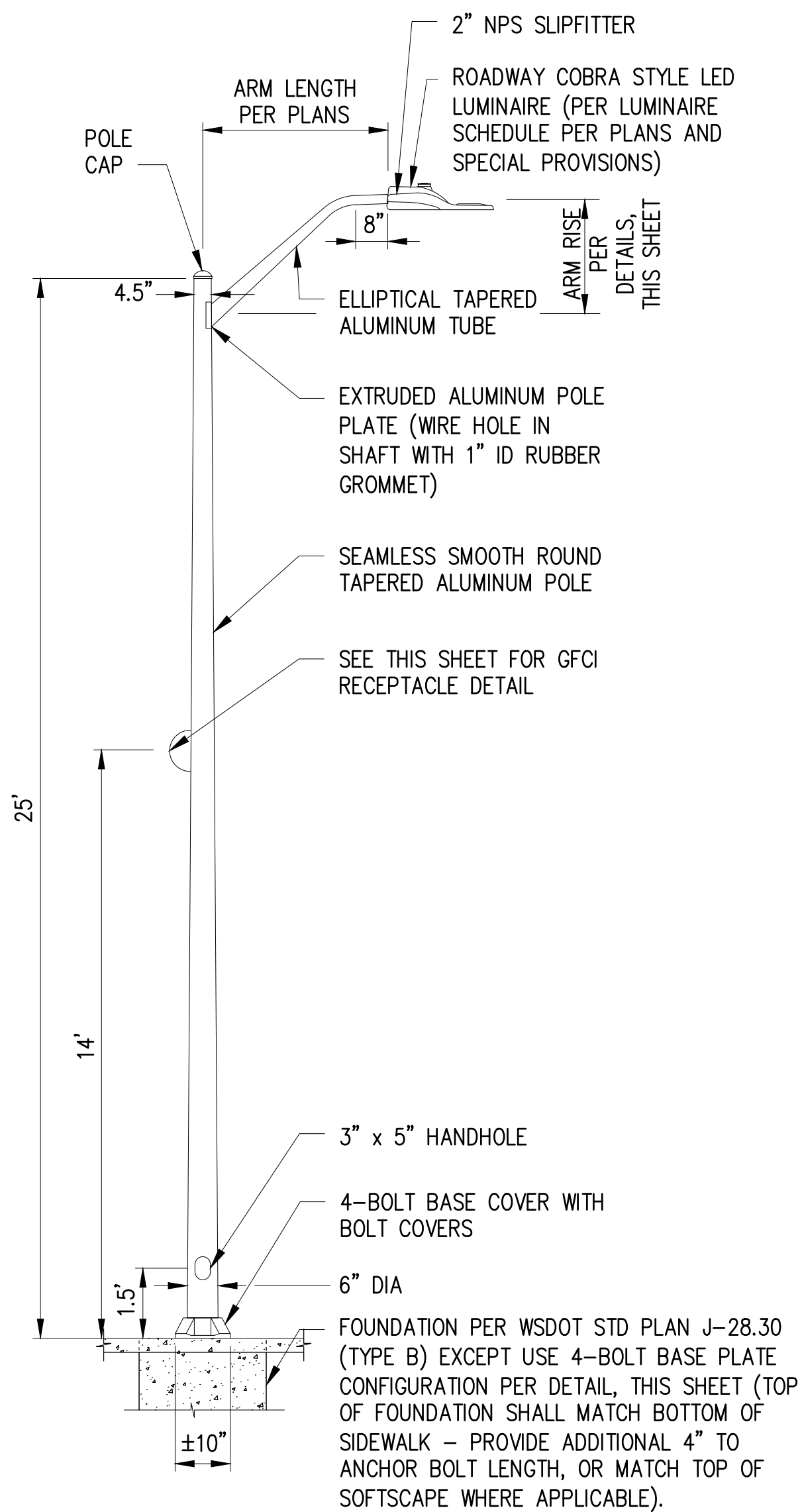
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**CITY OF DUVALL  
3RD AVENUE NE RECONSTRUCTION**

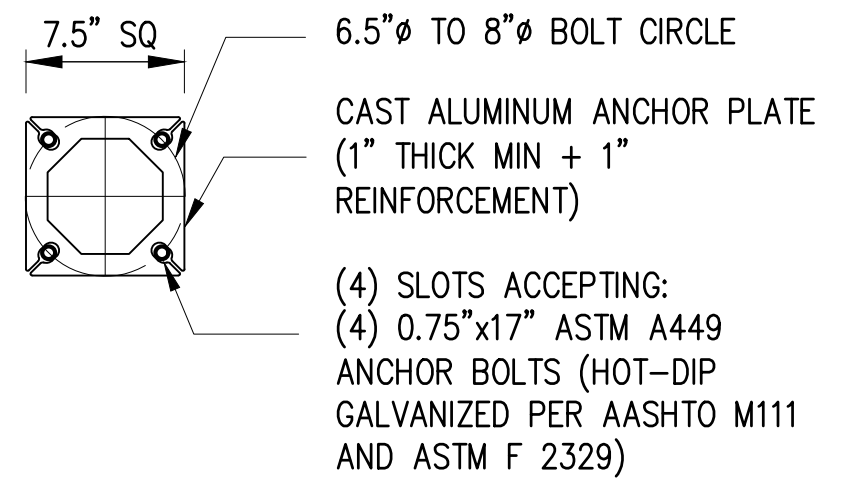
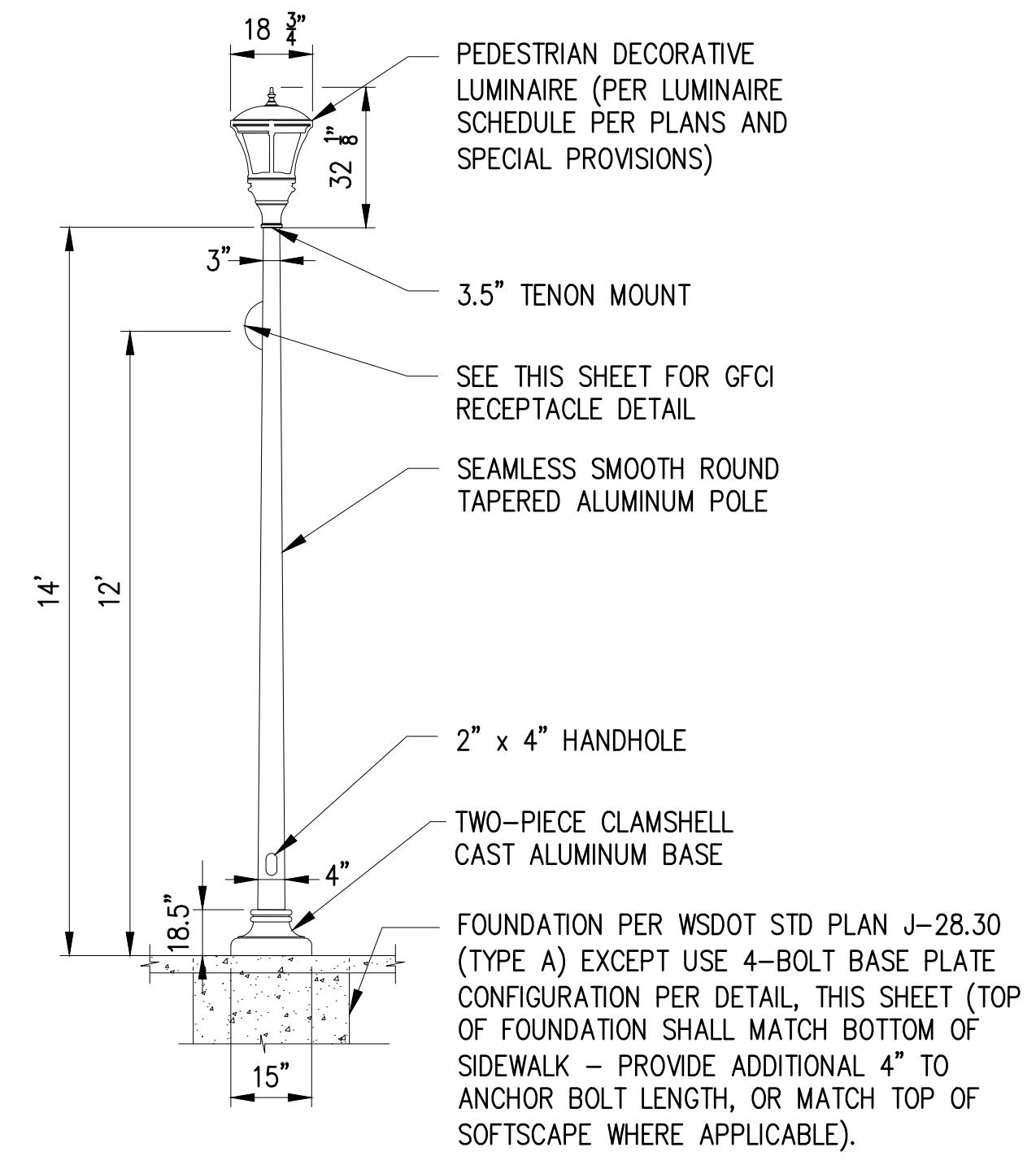
**ILLUMINATION PLAN  
STA 64+00 TO STA 68+00**

**PAINT SPECIFICATIONS:**  
 ALL ALUMINUM POLE COMPONENTS AND LUMINAIRE FIXTURES SHALL BE FACTORY POWDER COATED WITH PRIMER AND FINISH PAINT. FOR PAINT COLOR AND APPLICATION PROCESS, SEE SECTION 6-07 OF THE SPECIAL PROVISIONS.



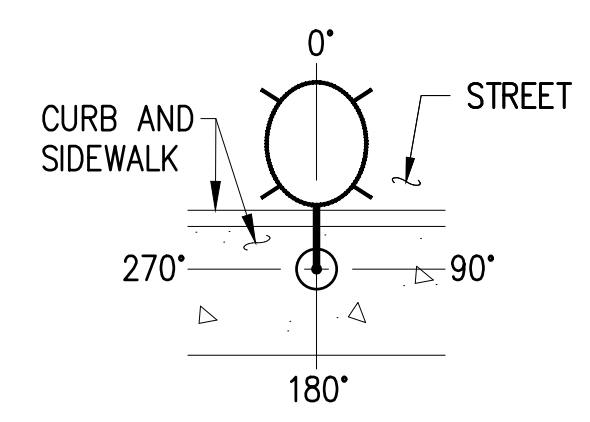
BASE PLATE DETAIL  
 NTS

ROADWAY LUMINAIRE POLE DETAIL  
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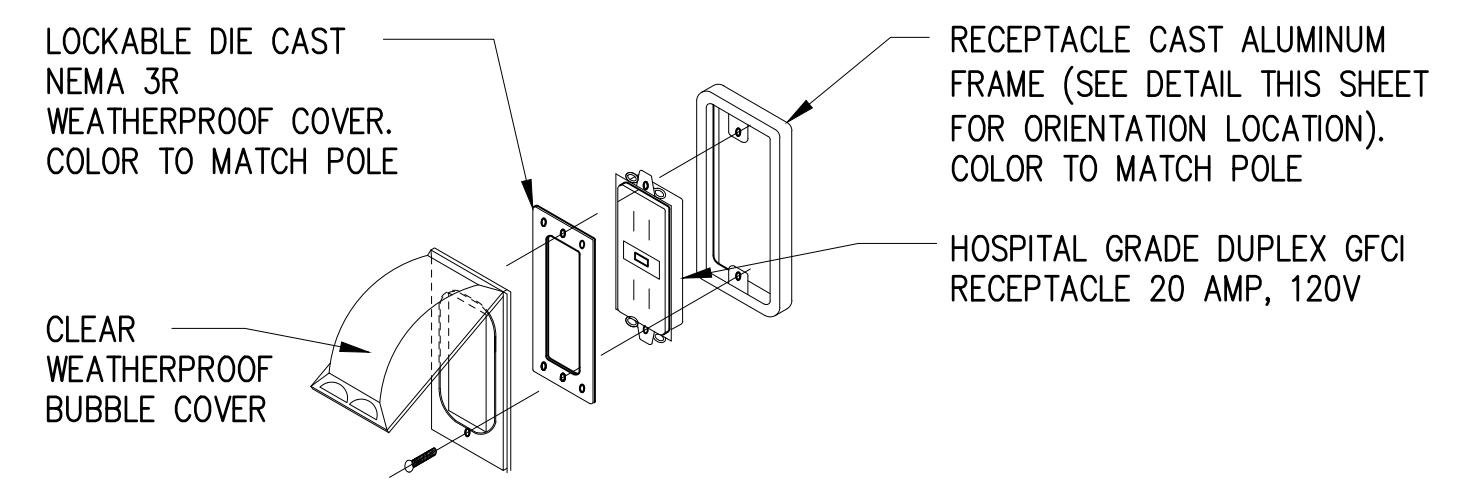


BASE PLATE DETAIL  
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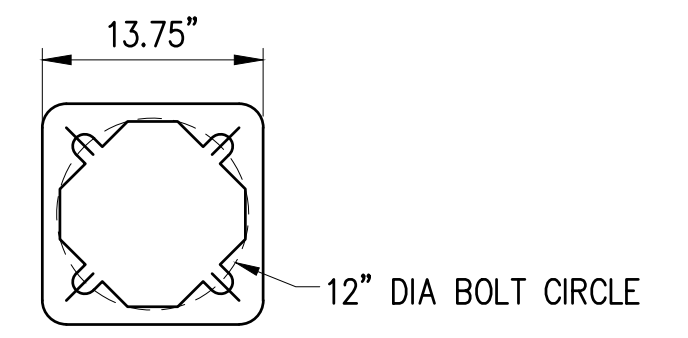
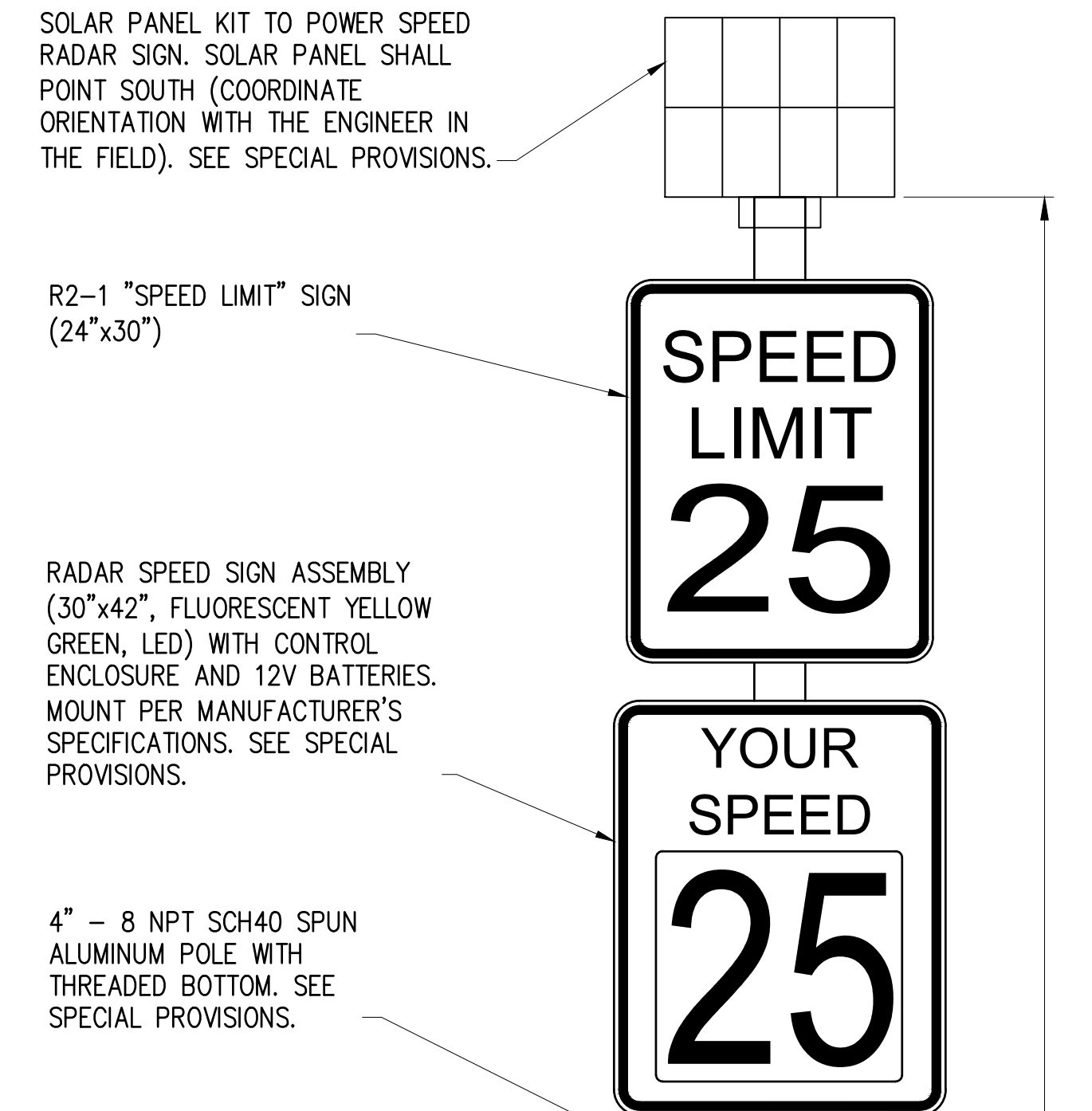
PEDESTRIAN LUMINAIRE POLE DETAIL  
 NTS



**HANDHOLE & RECEPTACLE ORIENTATION**  
 1. HANDHOLE ACCESS DOOR SHALL BE MOUNTED AT 90°  
 2. RECEPTACLE SHALL BE MOUNTED AT 180°

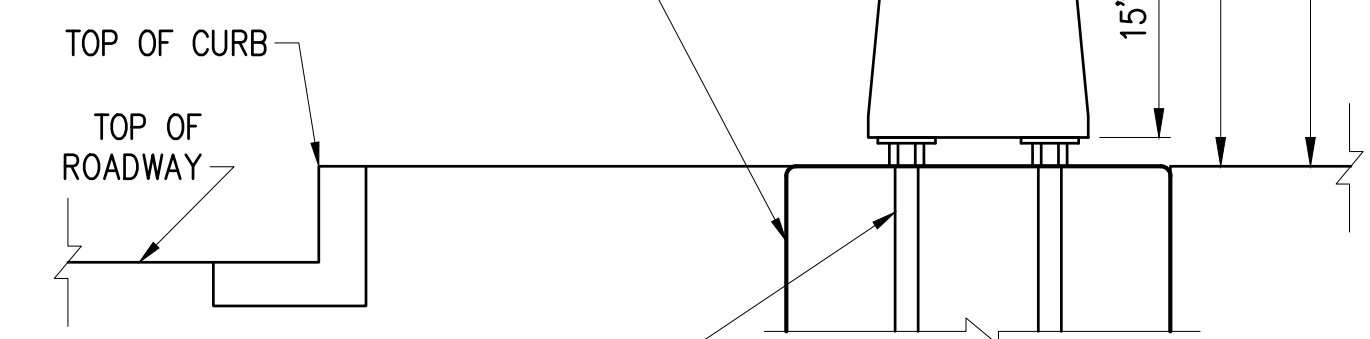


GFCI RECEPTACLE DETAIL  
 NTS



SQUARE BASE ALUMINUM SLIP FIT BREAKAWAY METAL BASE WITH HANDHOLE, THREADED TO ACCEPT 4" - 8 NPT SCH40 POLE. SEE SPECIAL PROVISIONS.

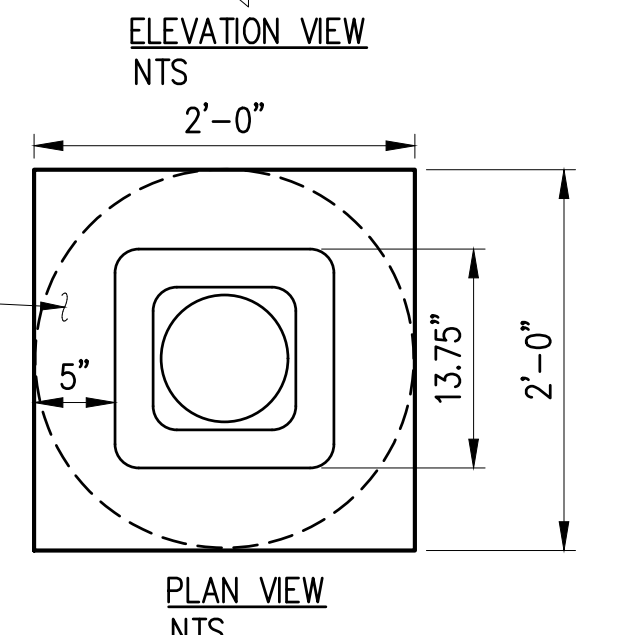
INSTALL 2'-0" SQUARE OR ROUND CONCRETE FOUNDATION PER WSDOT STD PLAN J-21.10 EXCEPT ANCHOR BOLT SPACING SHALL BE PER POLE BASE PLATE DETAIL THIS SHEET.



(4) 3/4" ANCHOR BOLTS, SEE SPECIAL PROVISIONS.

FOUNDATION (FOR POLE LOCATION SEE PLANS)

**NOTE:**  
 WHEN PLACED IN SIDEWALK, SOLAR POWERED RADAR SPEED SIGN SHALL BE LOCATED MIN 2 FEET FROM EDGE OF PAVEMENT (FACE OF POLE TO EDGE OF PAVEMENT).



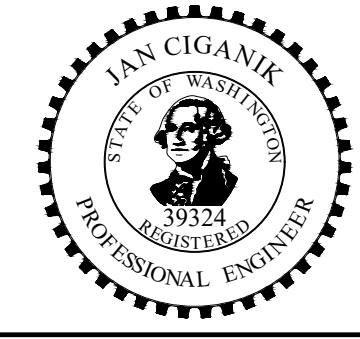
SOLAR POWERED RADAR SPEED SIGN DETAIL  
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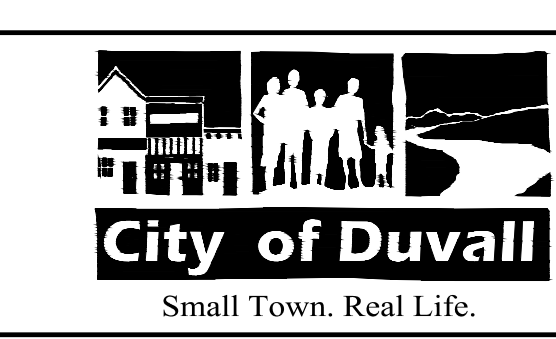
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CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION

ILLUMINATION DETAILS  
 ILLUMINATION DETAILS

KPG PROJECT No. 21078	SHT 55 OF 82
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**PANEL SCHEDULE**

#	<b>S1</b>	LOCATION: 3RD AVE, APPROX. STA XX+XX, XX.X' RT SERVING: ILLUMINATION, RECEPTACLES, ETC.	VOLTS: 120/240 MAIN BREAKER: 100 AMPS	PHASE: 1 WIRE: 3			
CKT #	LOAD DESCRIPTION	KVA	TRIP AMPS	TRIP AMPS	KVA	LOAD DESCRIPTION	CKT #
1	ILLUMINATION	-	20	20	-	RECEPTACLE	2
5	ILLUMINATION	-	20	20	-	RECEPTACLE	4
9	ILLUMINATION	-	20	20	-	RECEPTACLE	6
13	SPARE	-	20	20	-	SPARE	8
17	SPARE	-	20	20	-	CABINET GFCI RECEPTACLE	10
						CONTROL (PHOTOCELL)	12
						SPARE	14
						SPARE	16
						SPARE	18
REMARKS:		CONNECTED LOAD: X.X KVA		XX.X AMPS			
		DEMAND LOAD (125%): X.X KVA		XX.X AMPS			

**TO BE COMPLETED  
AT THE NEXT  
SUBMITTAL**

**ONE-LINE DIAGRAM**

NTS  
TO BE COMPLETED AT THE NEXT SUBMITTAL

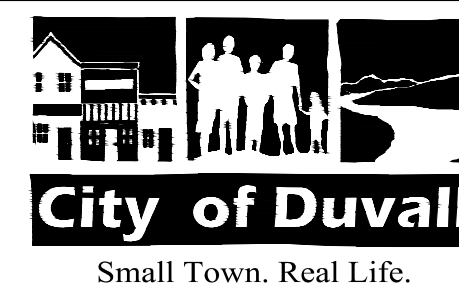
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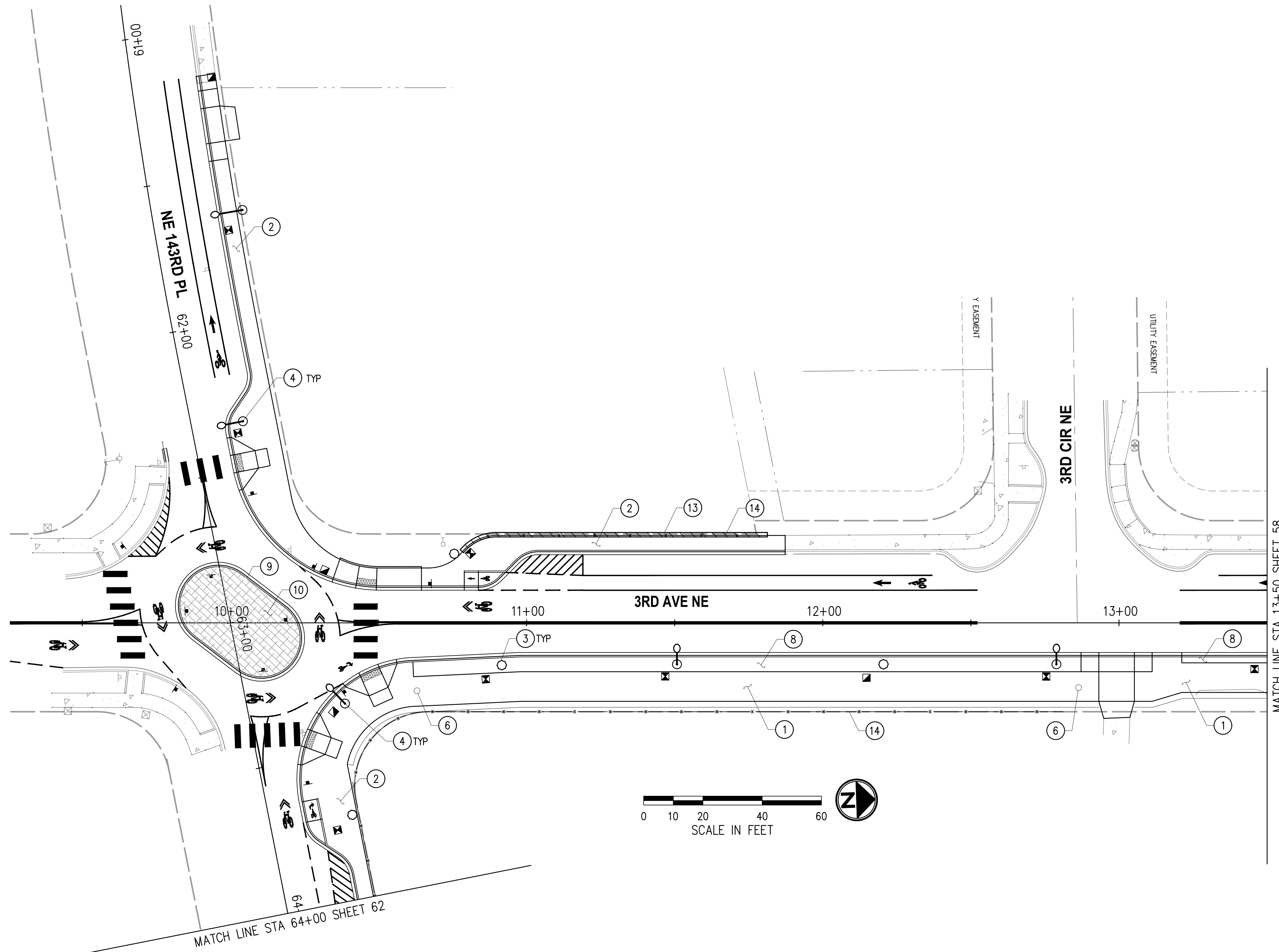
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ILLUMINATION DETAILS  
ILLUMINATION DETAILS

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**GENERAL NOTES**

1. STATION/OFFSET SHALL BE TAKEN FROM CENTER OF FEATURE UNLESS OTHERWISE NOTED.
2. DECORATIVE ROADWAY AND PEDESTRIAN LUMINAIRE POLE LOCATION AND DETAILS SHALL BE PER ILLUMINATION AND ILLUMINATION DETAIL SHEETS.
3. DECORATIVE SIGNAL TRAFFIC LUMINAIRE AND POLE DETAILS SHALL BE PER SIGNALIZATION SHEETS.

**CONSTRUCTION NOTES**

- ① CEMENT CONCRETE SHARED USE PATH. SEE SECTIONS, SHEETS 5-7.
- ② SCORED CEMENT CONCRETE SIDEWALK. SEE SECTIONS, SHEETS 5-7.
- ③ DECORATIVE PEDESTRIAN LUMINAIRE & POLE.
- ④ DECORATIVE ROADWAY AND PEDESTRIAN LUMINAIRE & POLE.
- ⑥ THERMOPLASTIC SHARED USE PATH MARKER. SEE DETAIL, SHEET 87.
- ⑧ PLANTER. SEE LANDSCAPE PLANS AND DETAIL SHEETS 63-69.
- ⑨ ROUNDABOUT.
- ⑩ DECORATIVE STAMPED CEMENT CONCRETE PAVEMENT. SEE DETAIL, SHEET 87.
- ⑬ RETAINING WALL.
- ⑭ FENCE.

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**Approved By**

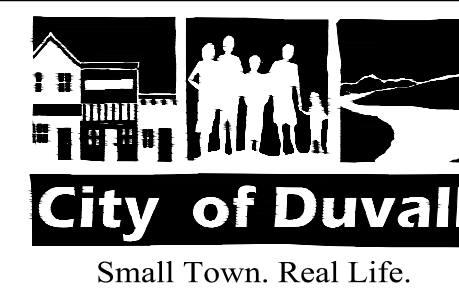
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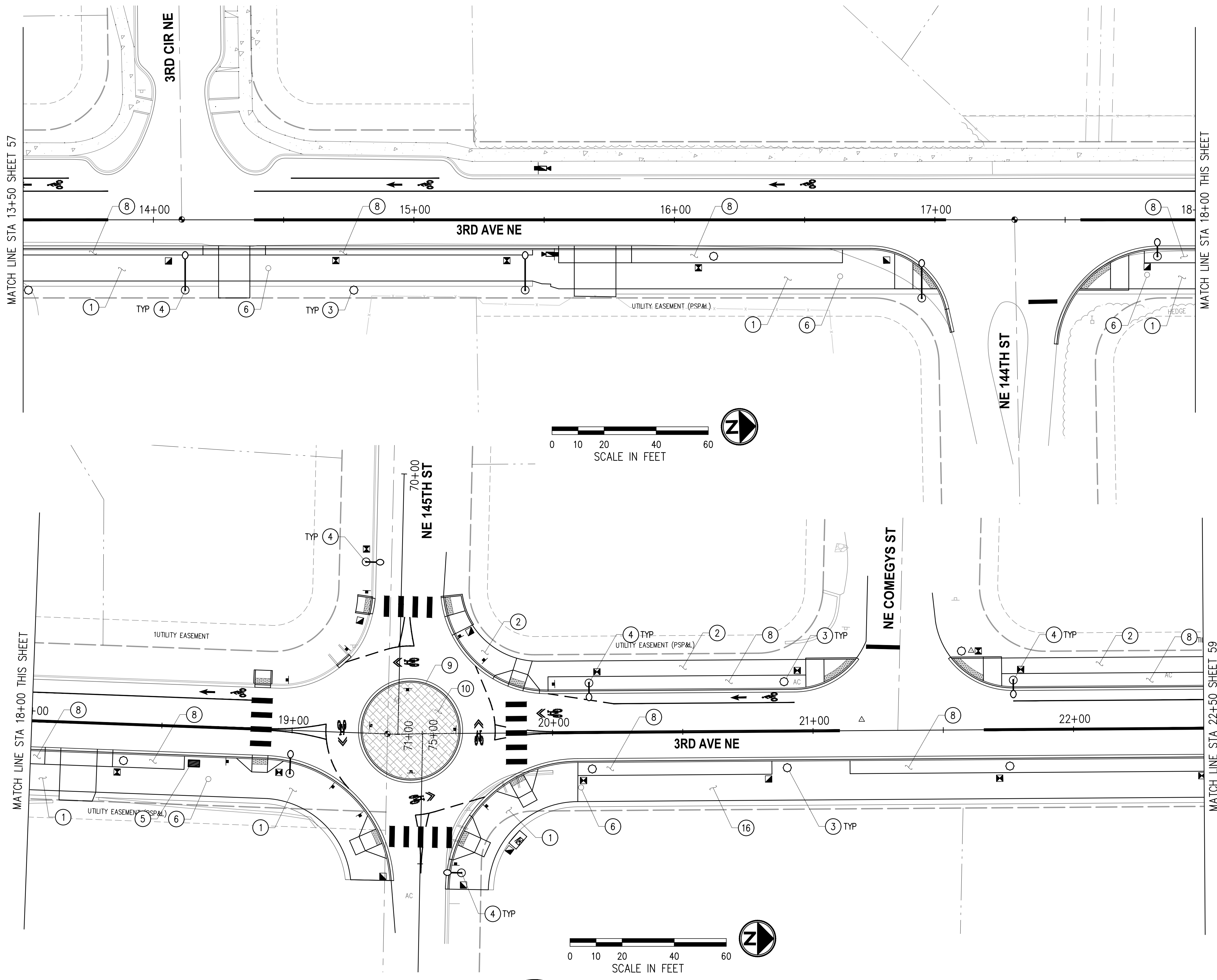


**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

URBAN DESIGN PLAN  
 STA 9+25 TO STA 13+50 AND  
 STA 61+00 TO STA 64+00

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**GENERAL NOTES**

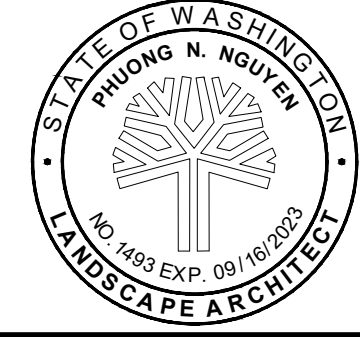
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- ⑤ BENCH. SEE DETAIL, SHEET 87.
- ⑥ THERMOPLASTIC SHARED USE PATH MARKER. SEE DETAIL, SHEET 87.
- ⑧ PLANTER. SEE LANDSCAPE PLANS AND DETAIL SHEETS 63-69.
- ⑨ ROUNDABOUT.
- ⑩ DECORATIVE STAMPED CEMENT CONCRETE PAVEMENT. SEE DETAIL, SHEET 87.
- ⑫ PERVIOUS CONCRETE SIDEWALK.

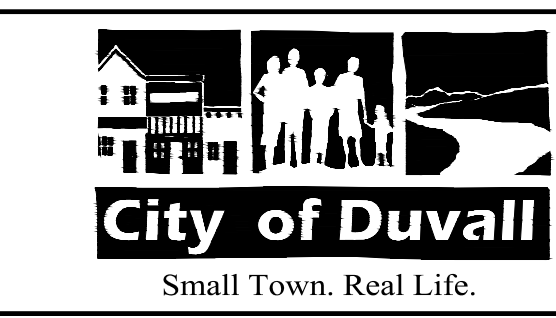
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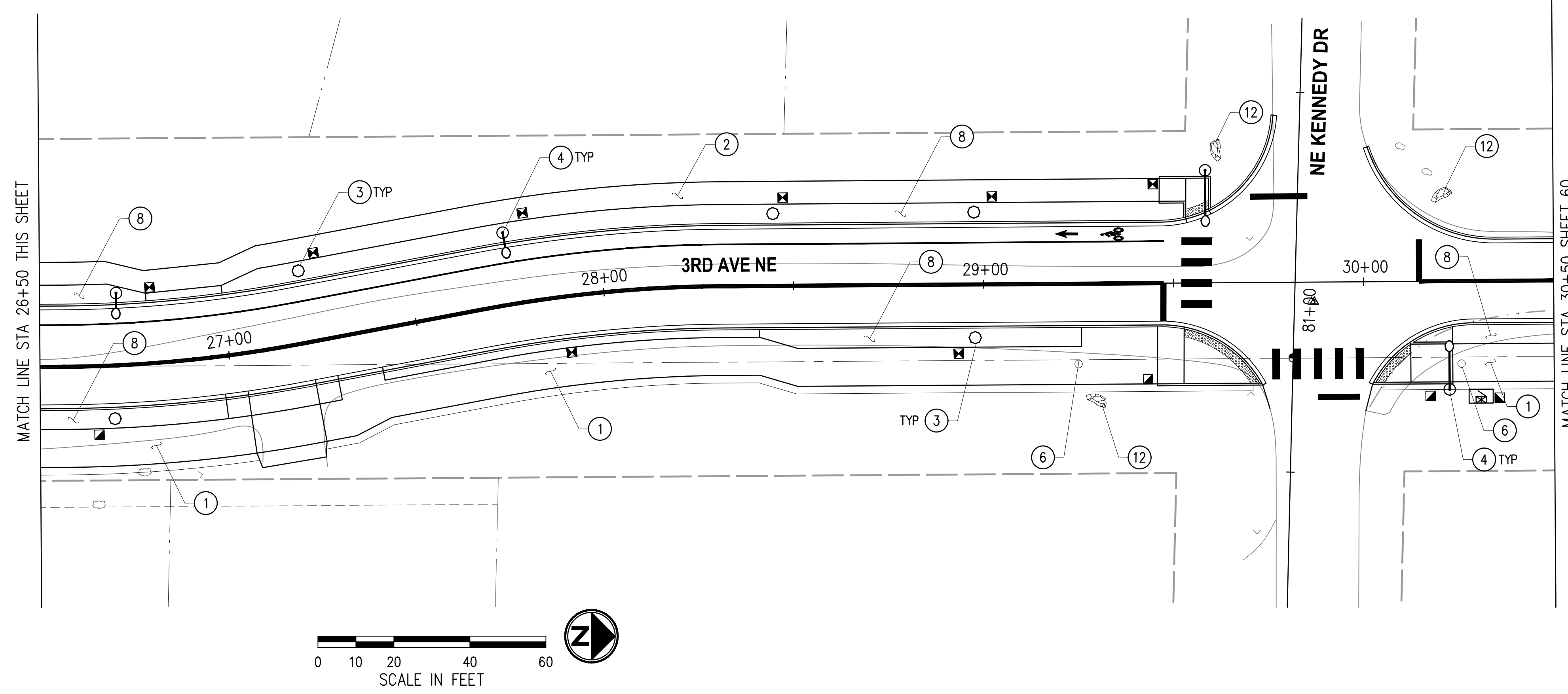
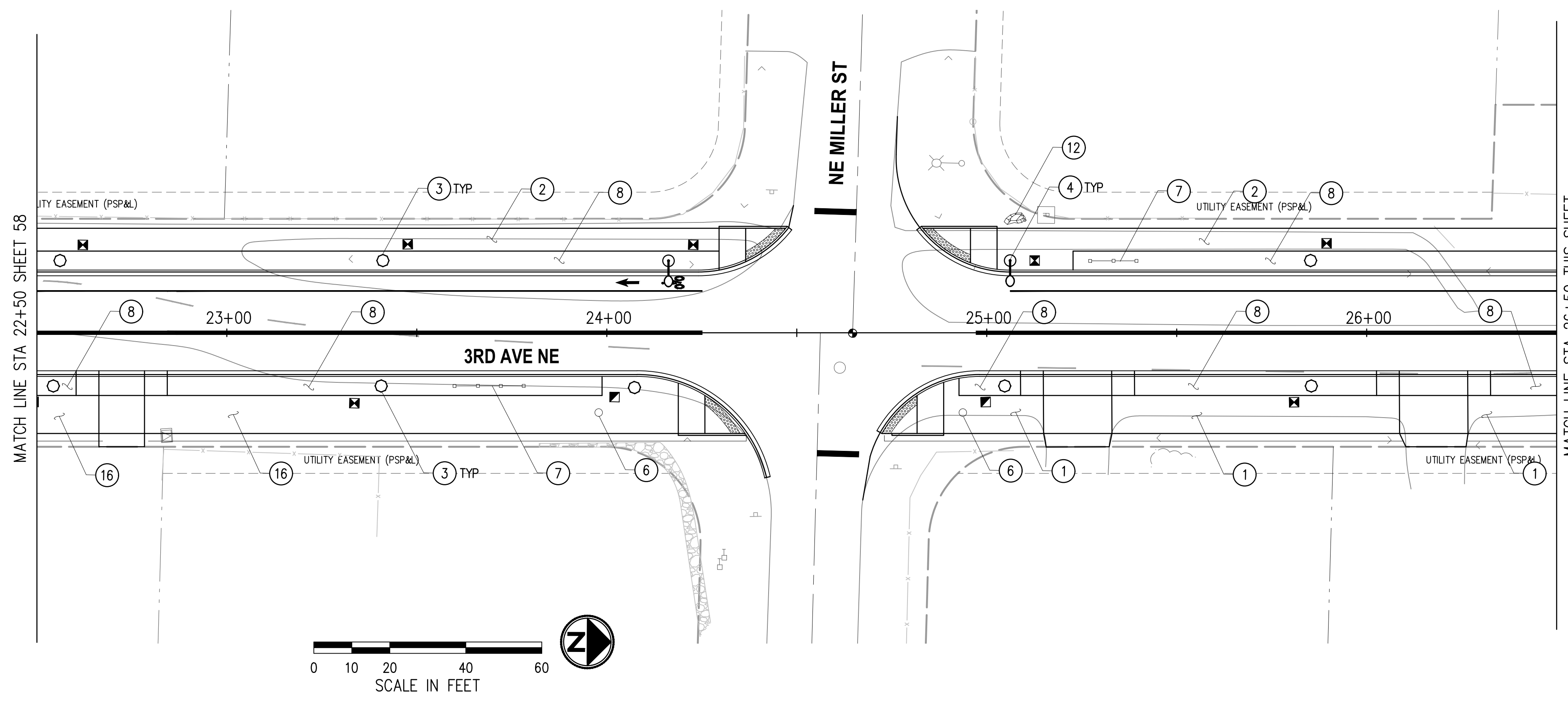
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**3RD AVENUE NE RECONSTRUCTION**

URBAN DESIGN PLAN STA 13+50 TO STA 22+50	
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**GENERAL NOTES**

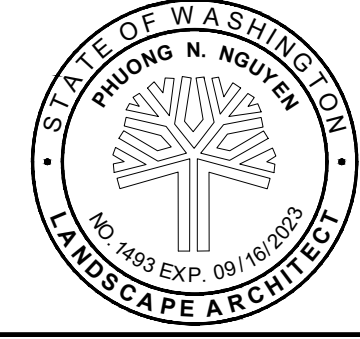
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**CONSTRUCTION NOTES**

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- ④ DECORATIVE ROADWAY AND PEDESTRIAN LUMINAIRE & POLE.
- ⑥ THERMOPLASTIC SHARED USE PATH MARKER. SEE DETAIL, SHEET 87.
- ⑦ SPLIT RAIL FENCE. SEE DETAIL, SHEET 87.
- ⑧ PLANTER. SEE LANDSCAPE PLANS AND DETAIL SHEETS 63-69.
- ⑫ BOULDER BENCH. SEE DETAIL, SHEET 87.
- ⑯ PERVIOUS CONCRETE SIDEWALK.

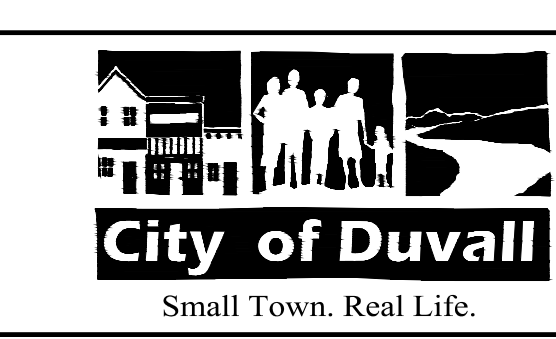
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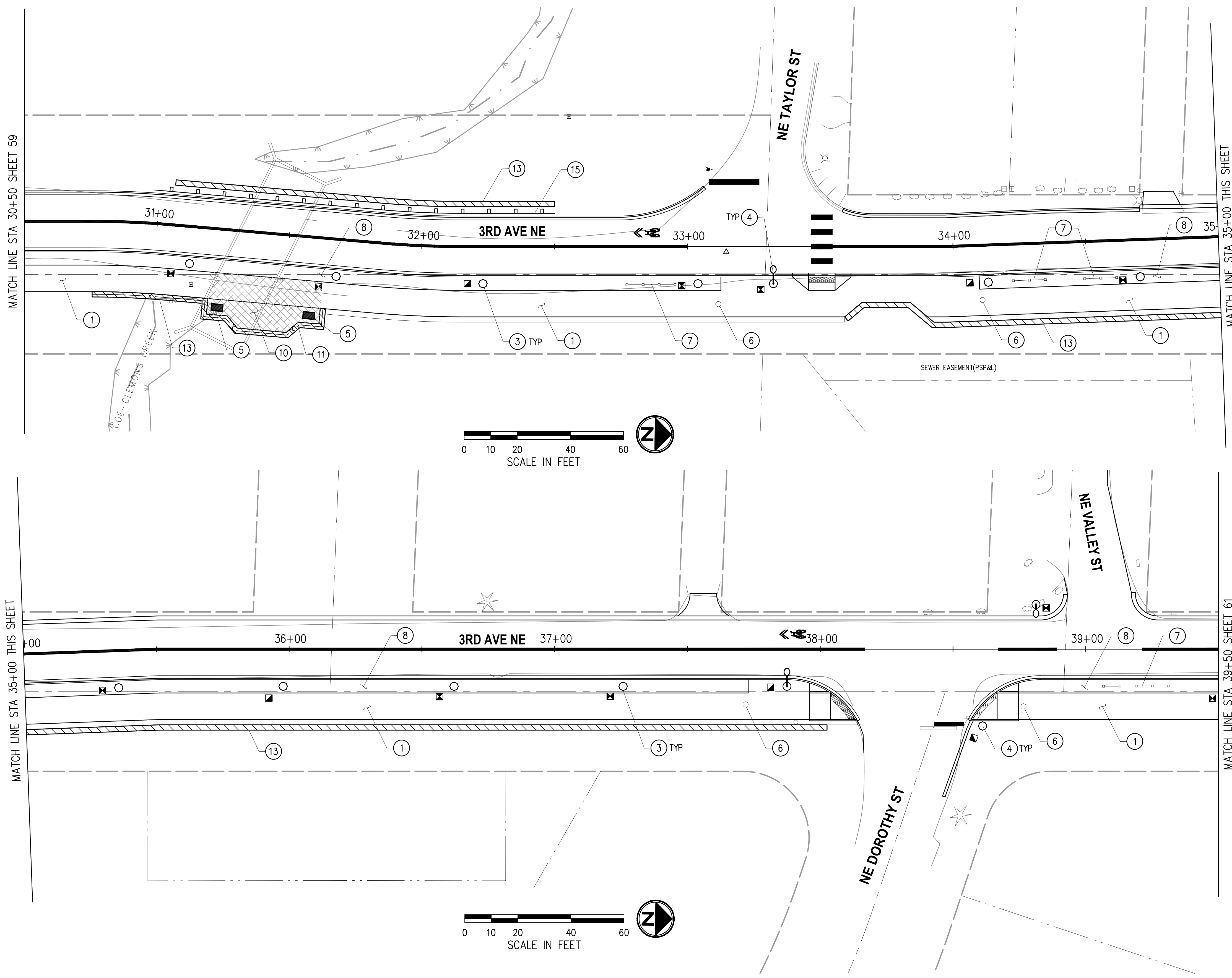
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URBAN DESIGN PLAN  
 STA 22+50 TO STA 30+50  
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**GENERAL NOTES**

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**CONSTRUCTION NOTES**

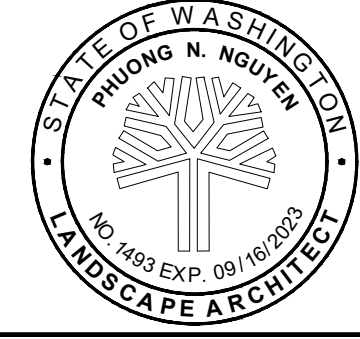
- ① CEMENT CONCRETE SHARED USE PATH. SEE SECTIONS, SHEETS 5-7.
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- ⑤ BENCH. SEE DETAIL, SHEET 87.
- ⑥ THERMOPLASTIC SHARED USE PATH MARKER. SEE DETAIL, SHEET 87.
- ⑦ SPLIT RAIL FENCE. SEE DETAIL, SHEET 87.
- ⑧ PLANTER. SEE LANDSCAPE PLANS AND DETAIL SHEETS 63-69.
- ⑩ DECORATIVE STAMPED CEMENT CONCRETE PAVEMENT. SEE DETAIL, SHEET 87.
- ⑪ PEDESTRIAN RAILING. SEE DETAIL, SHEET 87.
- ⑬ RETAINING WALL.
- ⑮ GUARDRAIL.

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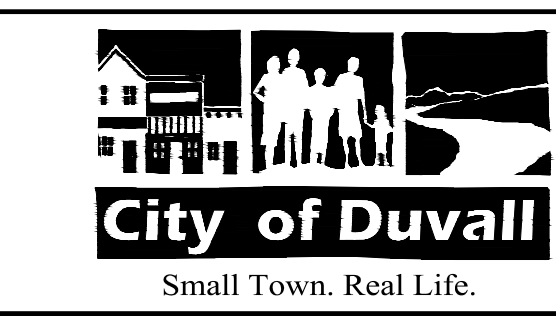
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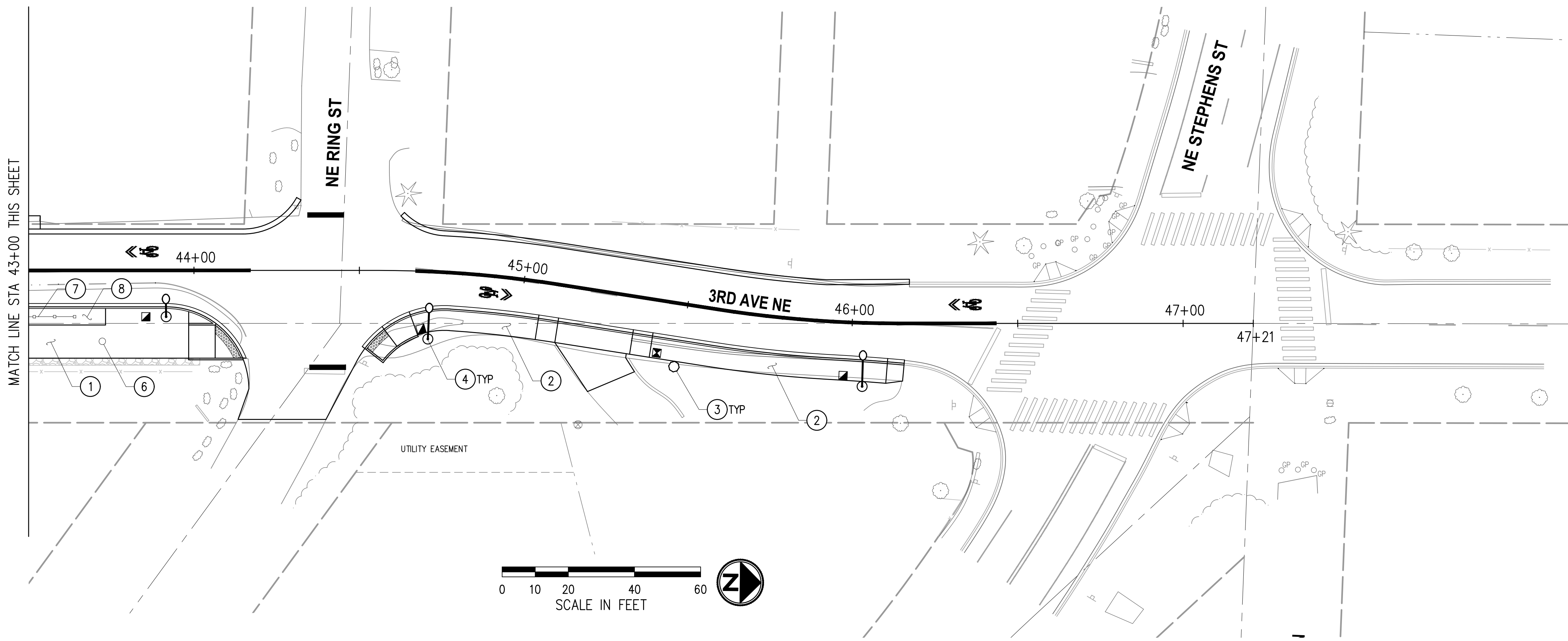
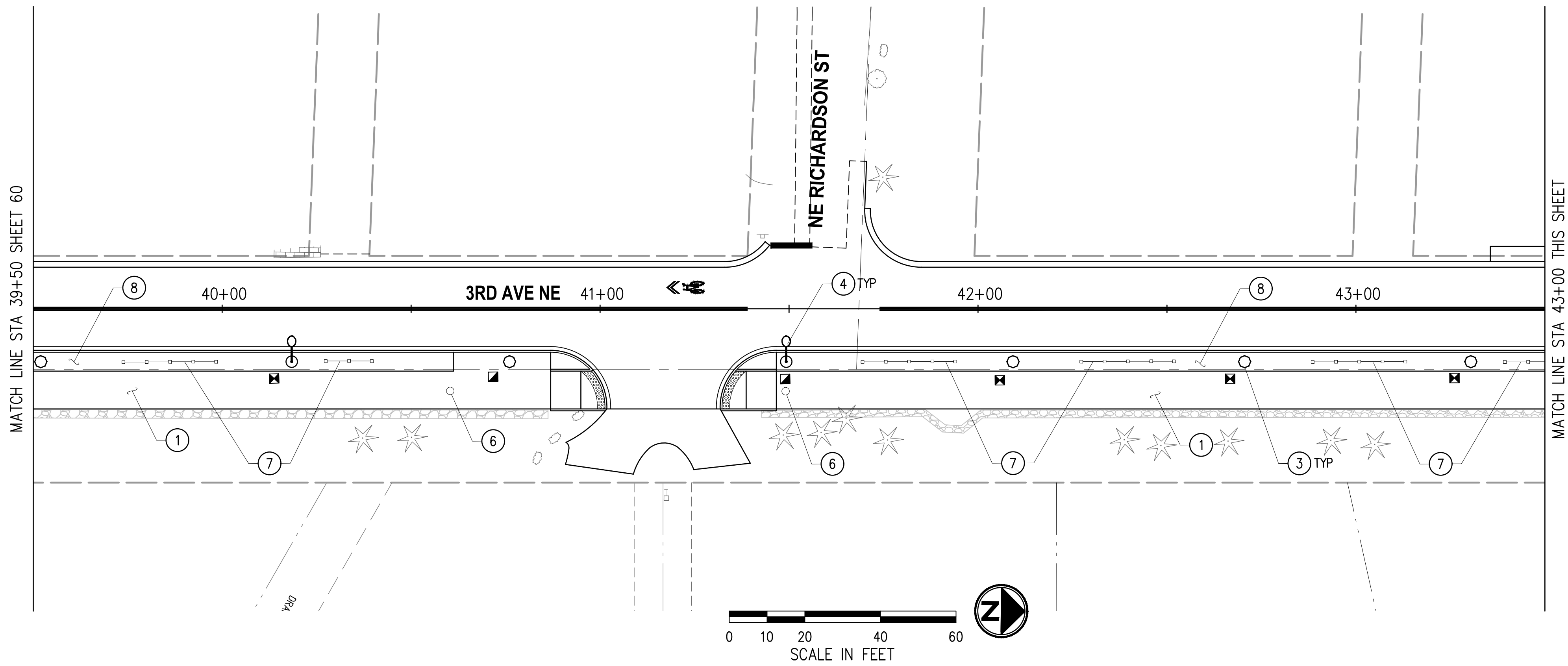
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**3RD AVENUE NE RECONSTRUCTION**

URBAN DESIGN PLAN  
 STA 30+50+00 TO STA 39+50  
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**CONSTRUCTION NOTES**

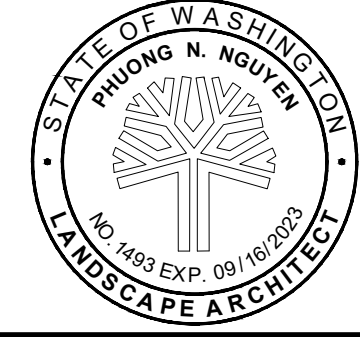
- ① CEMENT CONCRETE SHARED USE PATH. SEE SECTIONS, SHEETS 5-7.
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- ④ DECORATIVE ROADWAY AND PEDESTRIAN LUMINAIRE & POLE.
- ⑥ THERMOPLASTIC SHARED USE PATH MARKER. SEE DETAIL, SHEET 87.
- ⑦ SPLIT RAIL FENCE. SEE DETAIL, SHEET 87.
- ⑧ PLANTER. SEE LANDSCAPE PLANS AND DETAIL SHEETS 63-69.

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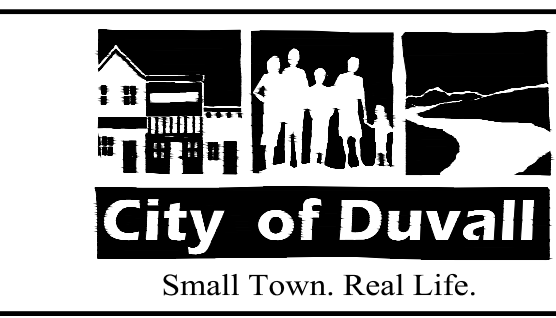
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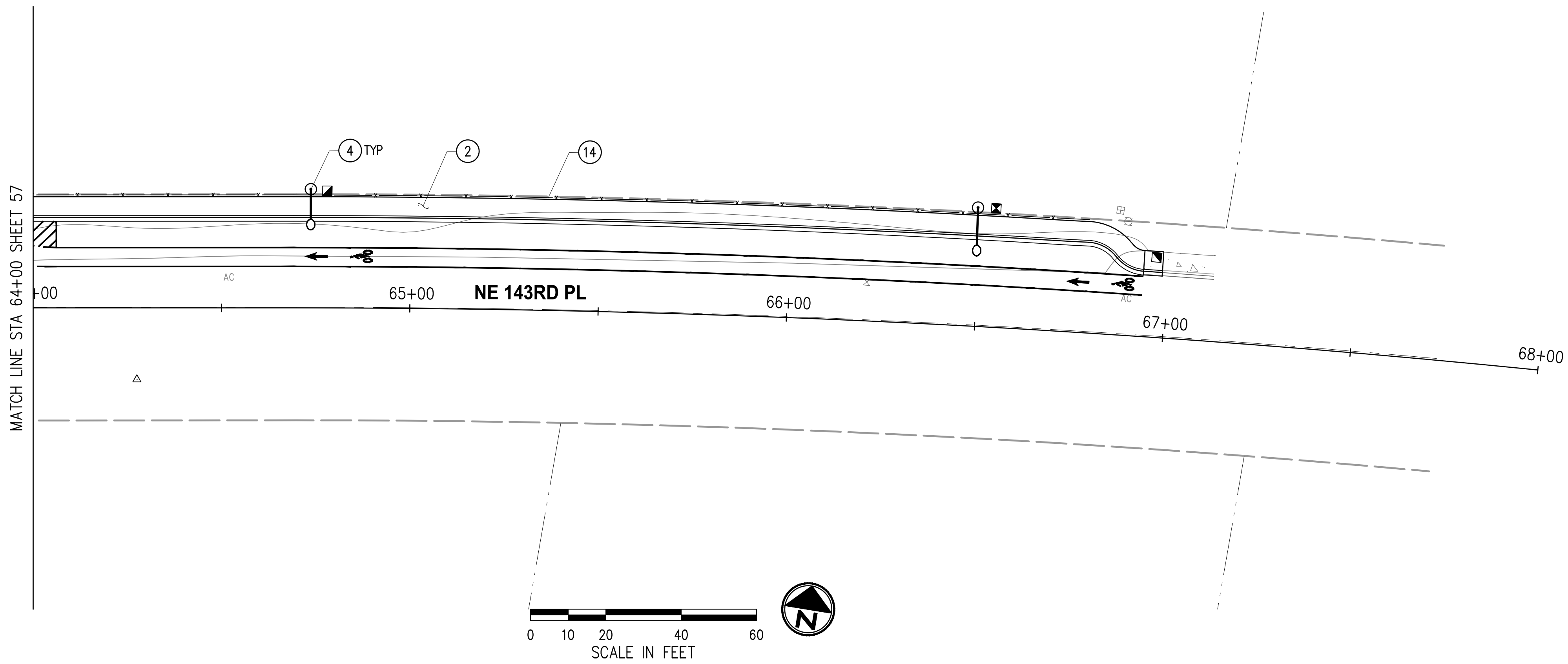
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URBAN DESIGN PLAN  
 STA 39+50 TO STA 47+21  
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**CONSTRUCTION NOTES**

- ② SCORED CEMENT CONCRETE SIDEWALK. SEE SECTIONS, SHEETS 5-7.
- ④ DECORATIVE ROADWAY AND PEDESTRIAN LUMINAIRE & POLE.
- ⑭ FENCE.

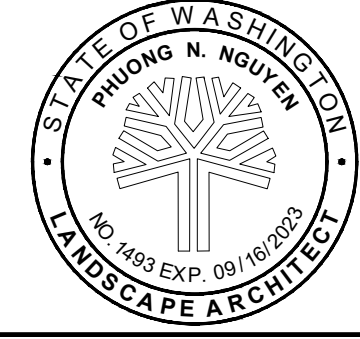
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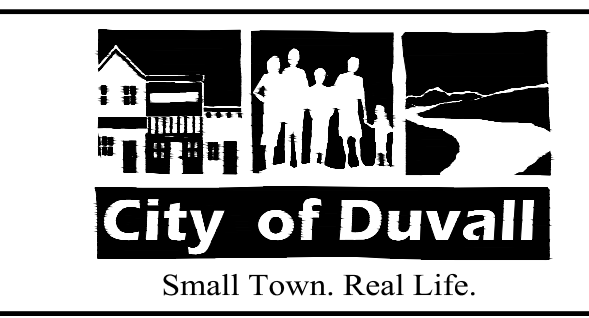
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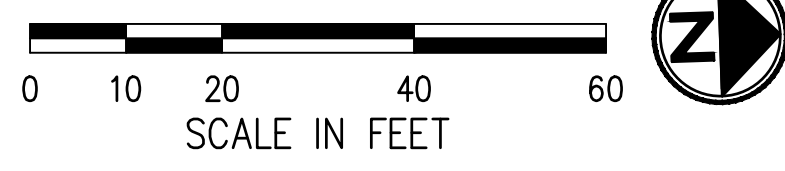
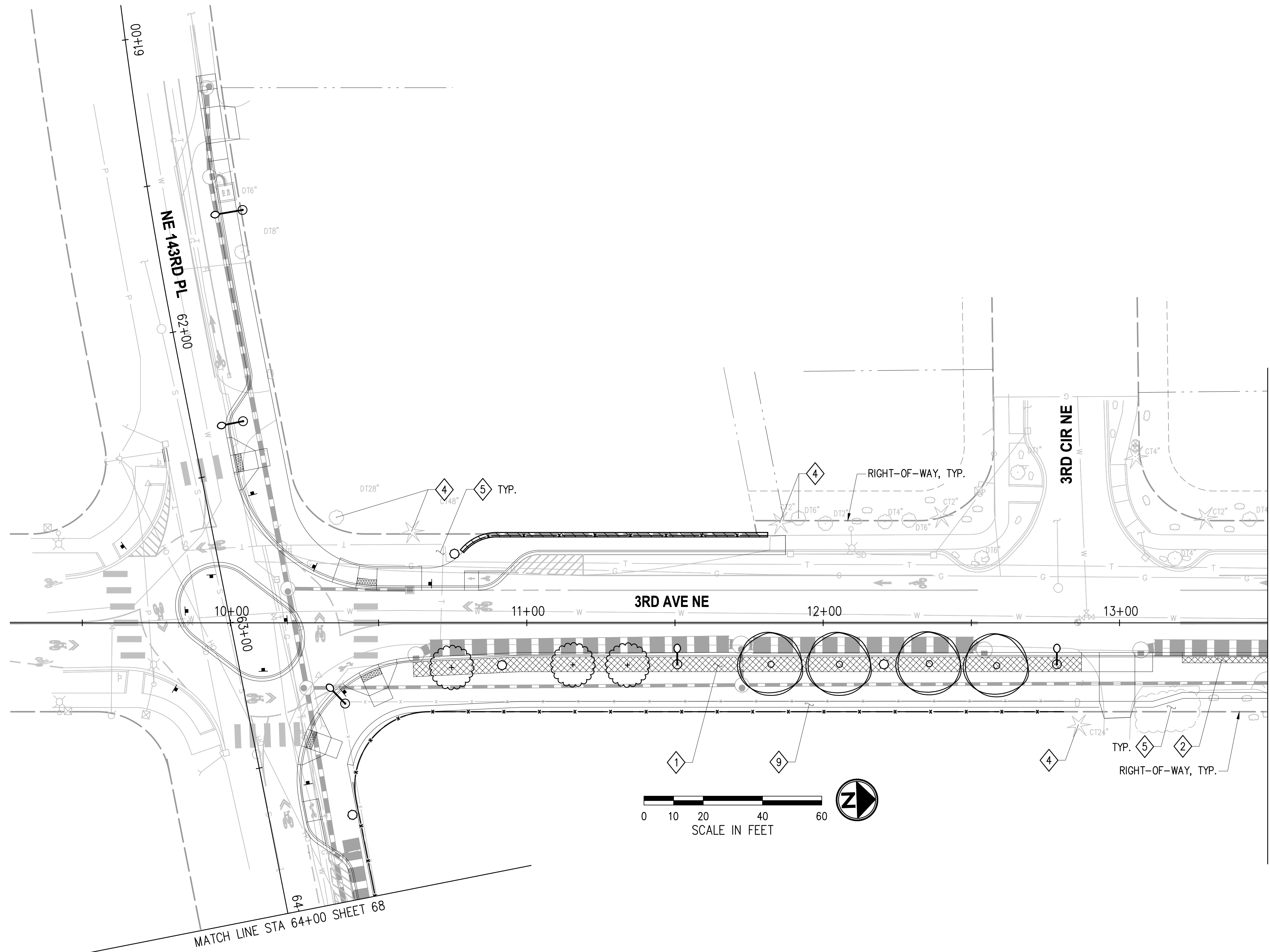


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**3RD AVENUE NE RECONSTRUCTION**

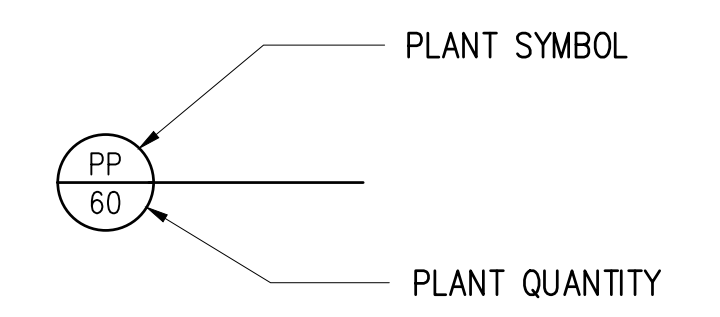
URBAN DESIGN PLAN  
 STA 64+00 TO STA 68+00

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- CONSTRUCTION NOTES**
- 1 ROADWAY PLANTER TYPE 1; INSTALL 24" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH, TYP.
  - 2 ROADWAY PLANTER TYPE 2; INSTALL 12" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH, TYP.
  - 4 EXISTING TREE TO REMAIN. SAVE AND PROTECT PER DETAIL, SHEET 69.
  - 5 BACK-OF-WALK RESTORATION, TBD AT NEXT SUBMITTAL.
  - 6 SPLIT RAIL FENCE; SEE URBAN DESIGN DETAILS, SHEETS 87-88.
  - 7 RESTORATION PLANTING, TBD AT NEXT SUBMITTAL.
  - 8 BOULDER BENCH; SEE URBAN DESIGN PLANS DETAILS, SHEETS 87-88.
  - 9 SHOULDER; SEE TYPICAL SECTIONS SHEETS 5-7.



**SEE SHEET 69-70 FOR PRELIMINARY PLANTING SCHEDULE, DETAILS, AND GENERAL NOTES.**

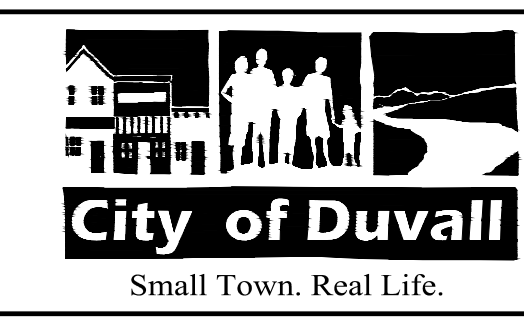
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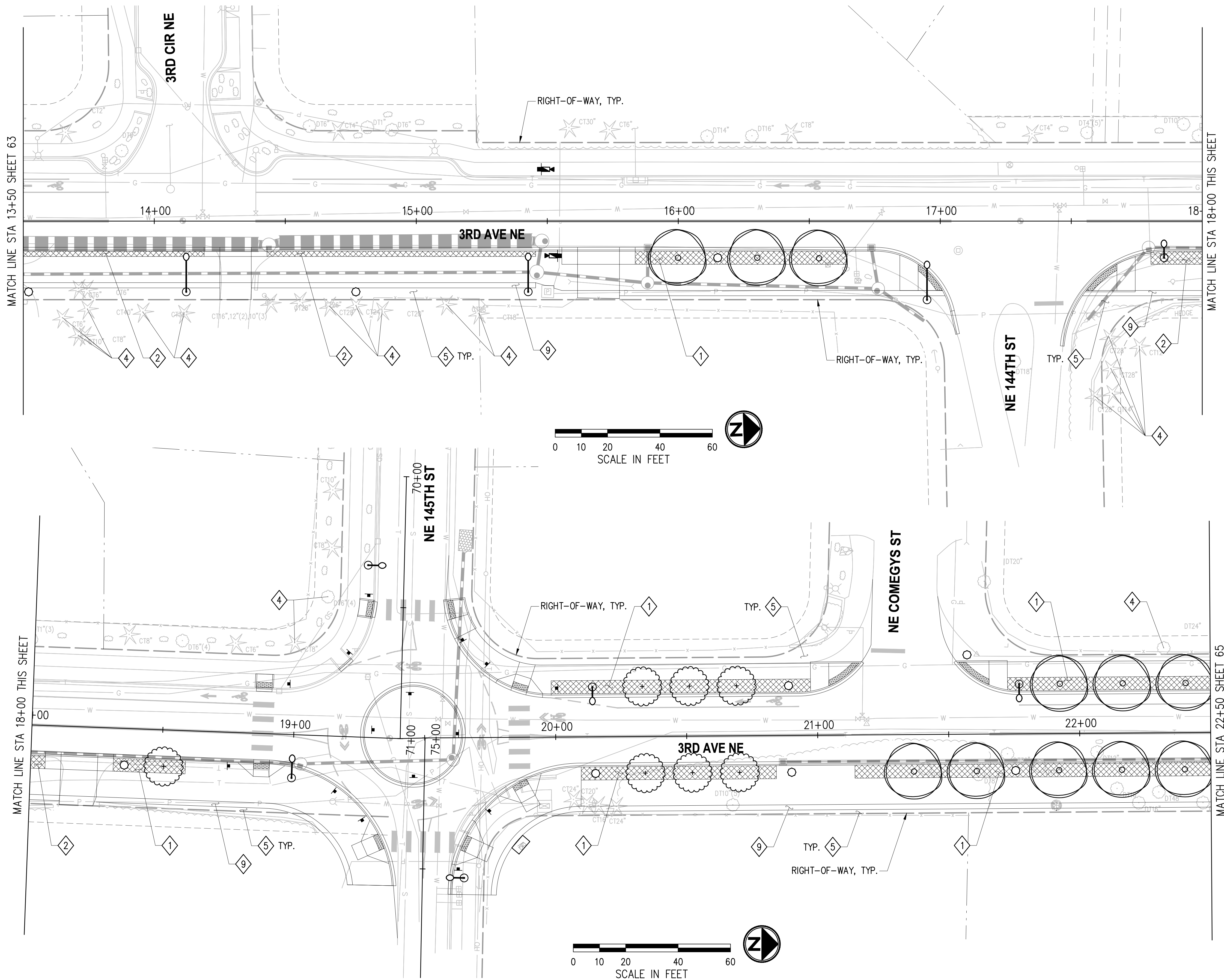
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

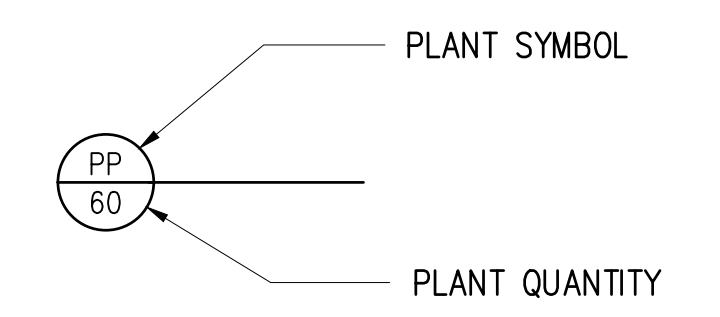
LANDSCAPE PLAN	
STA 9+25 TO STA 13+50 AND STA 61+00 TO STA 64+00	
KPG PROJECT No. 21078	SHT <u>63</u> OF <u>82</u>

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**CONSTRUCTION NOTES**

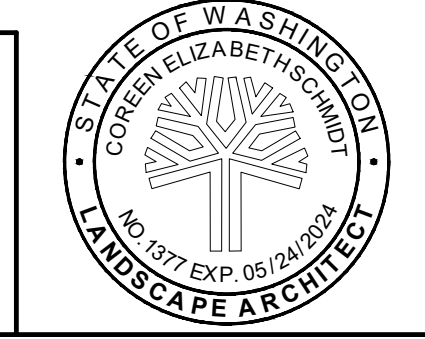
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- 9 SHOULDER; SEE TYPICAL SECTIONS SHEETS 5-7.



**SEE SHEET 69-70 FOR PRELIMINARY PLANTING SCHEDULE, DETAILS, AND GENERAL NOTES.**

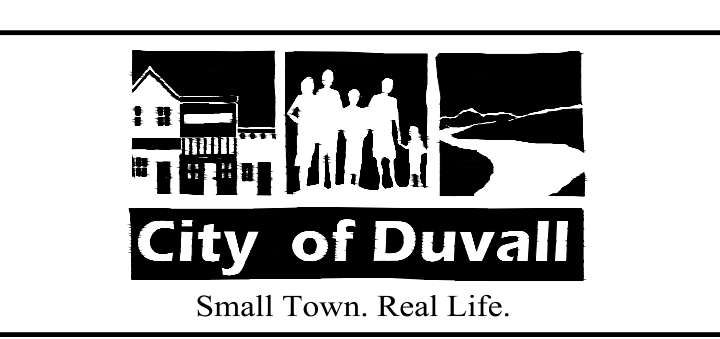
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ENGINEERING MANAGER	DATE	JS 02/2023
DESIGNED BY	DATE	JS 02/2023
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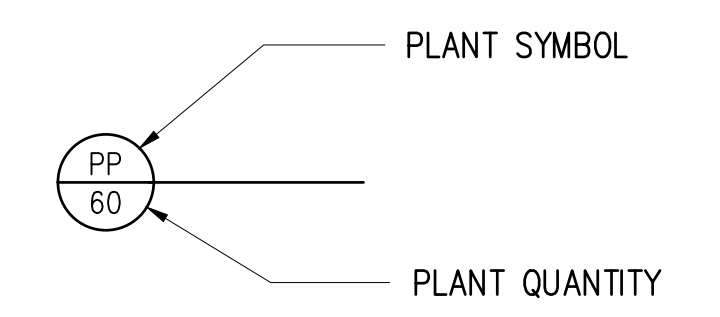
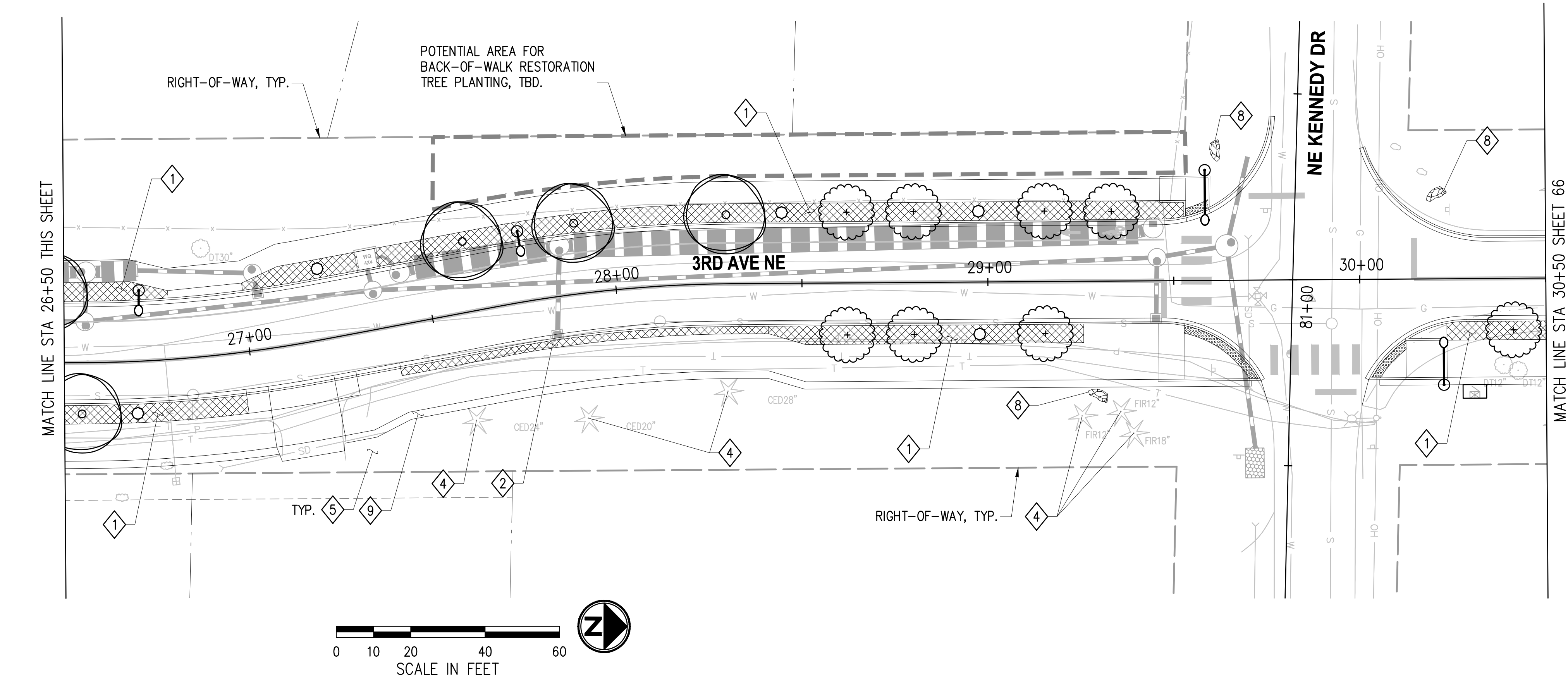
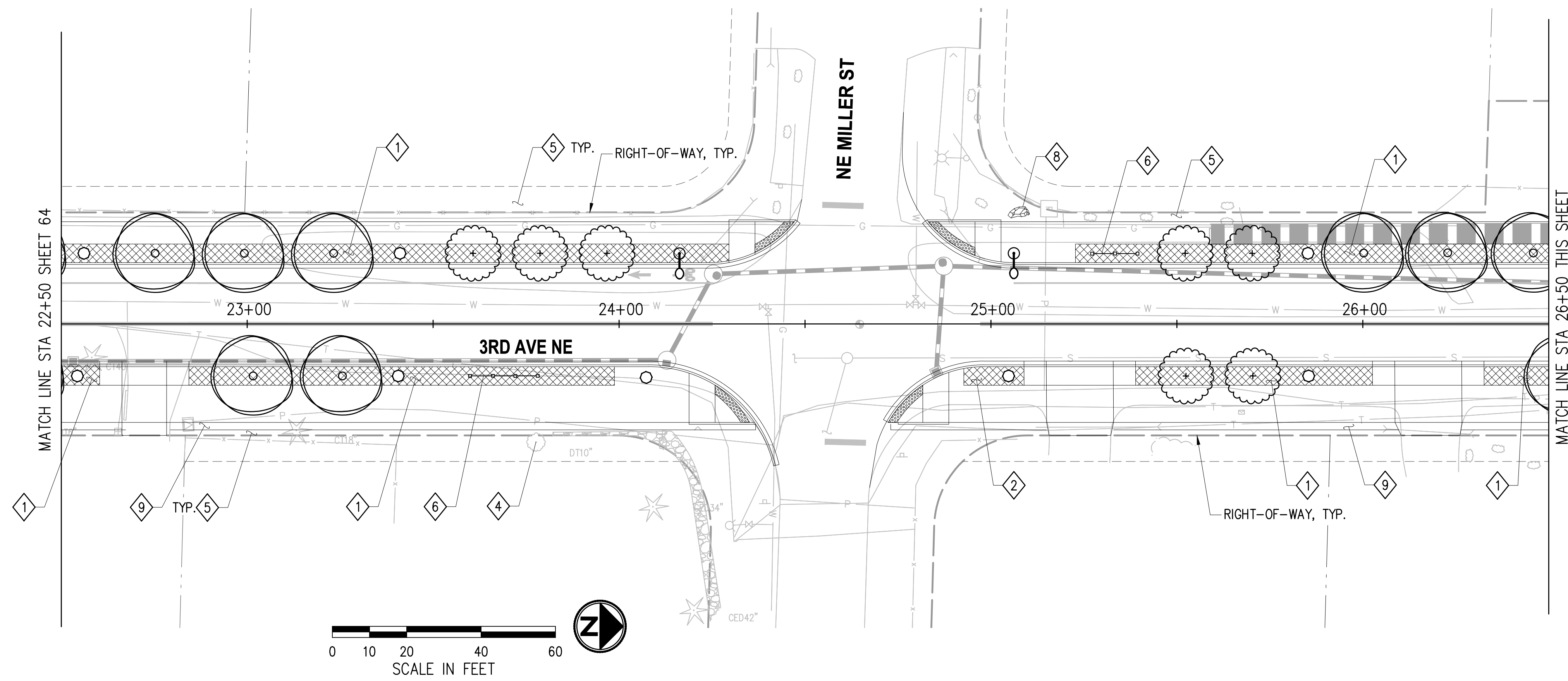
**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

LANDSCAPE PLAN STA 13+50 TO STA 22+50	
KPG PROJECT No. 21078	SHT 64 OF 82

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**CONSTRUCTION NOTES**

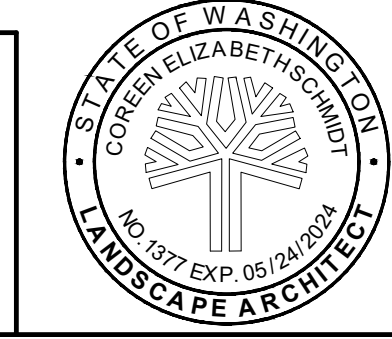
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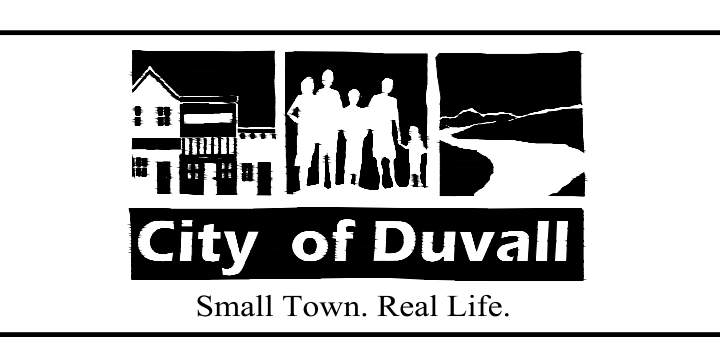
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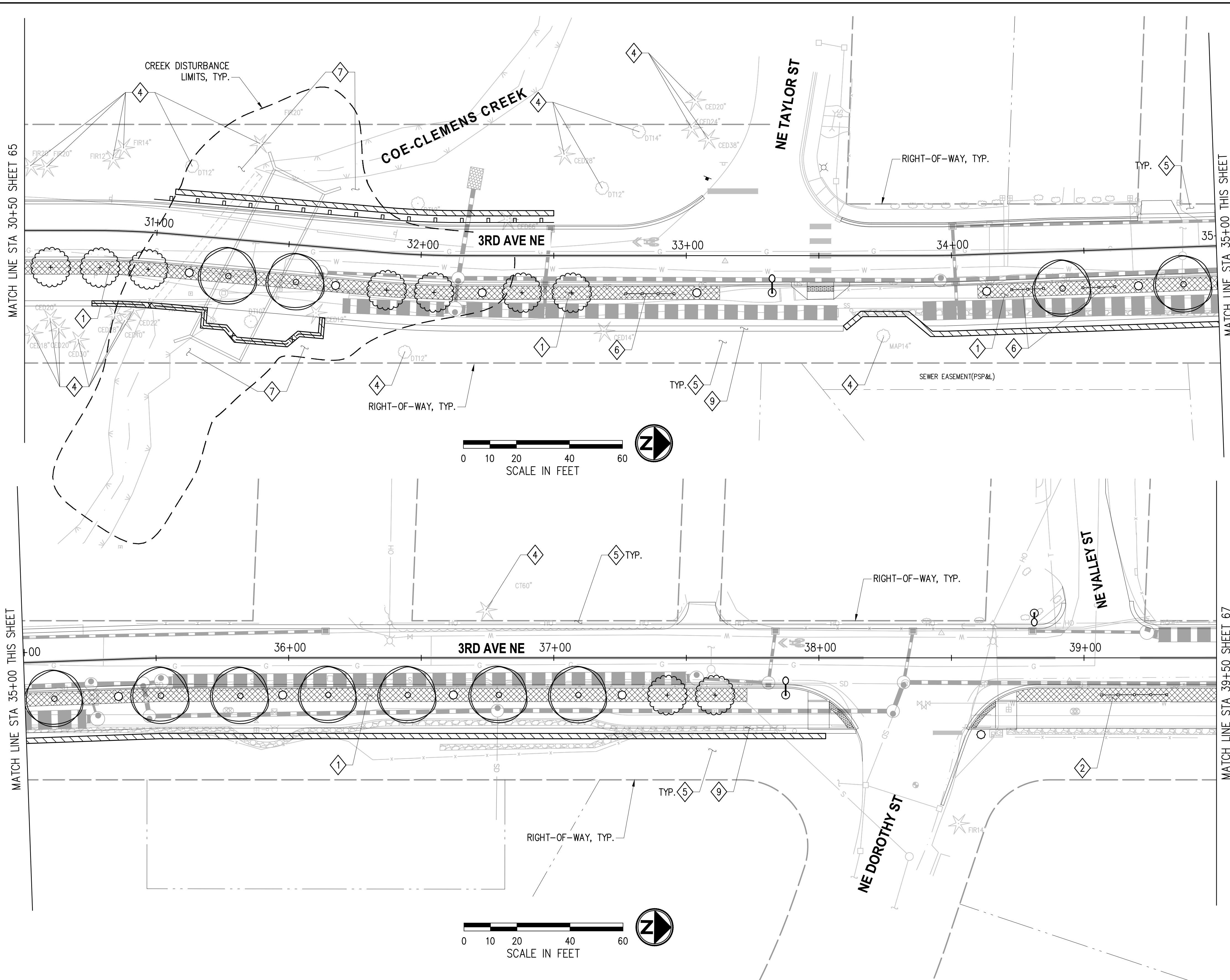
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**3RD AVENUE NE RECONSTRUCTION**

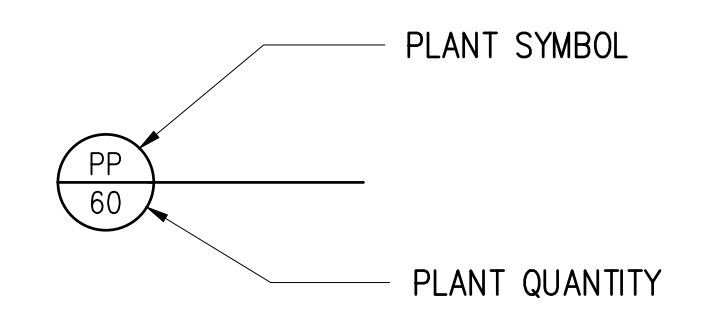
LANDSCAPE PLAN	
STA 22+50 TO STA 30+50	
KPG PROJECT No. 21078	SHT <u>65</u> OF <u>82</u>

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**CONSTRUCTION NOTES**

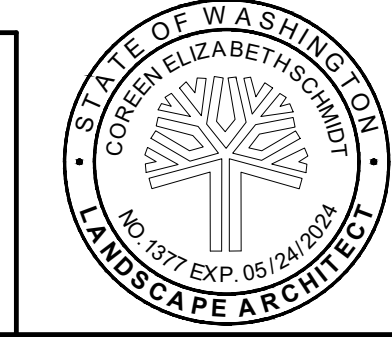
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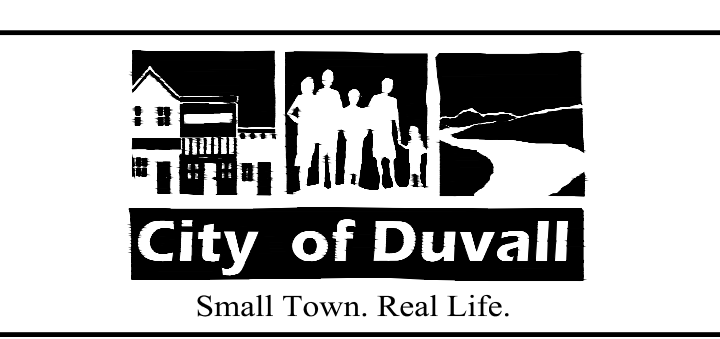
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PROJECT ENGINEER	DATE	CHECKED BY DATE



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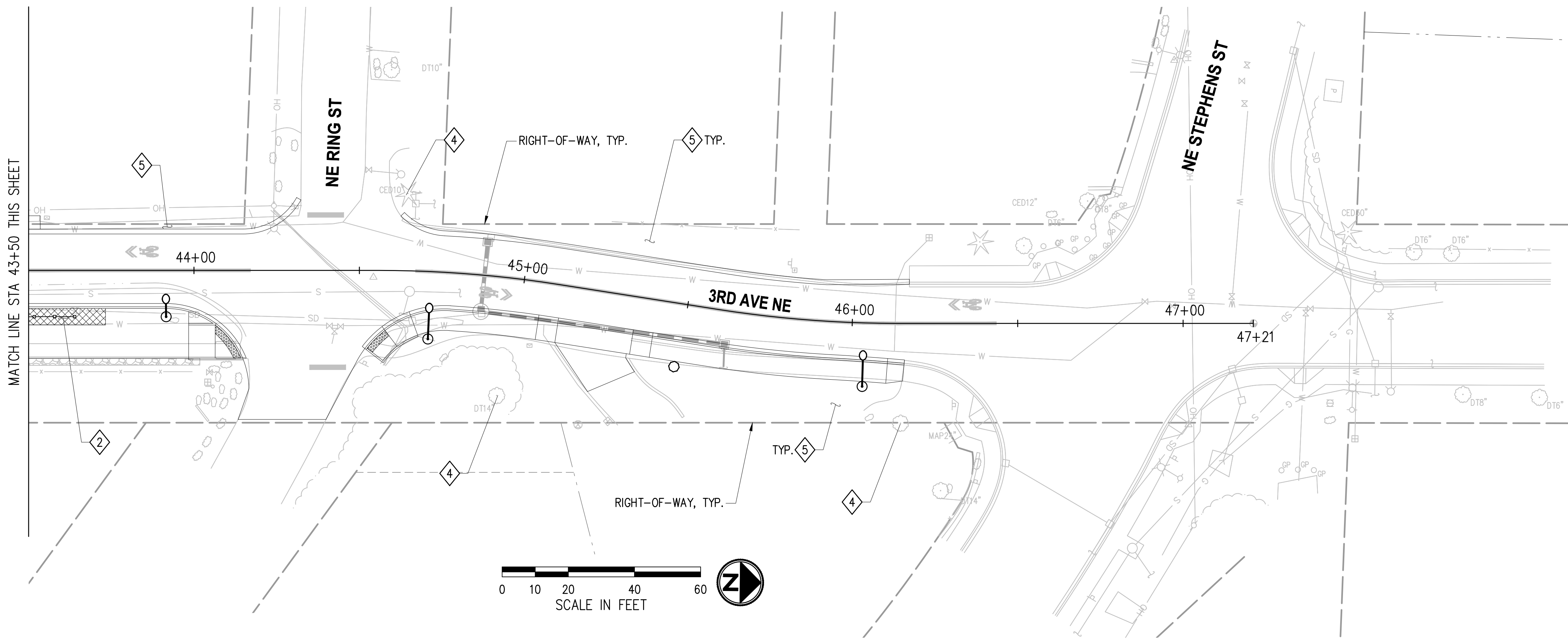
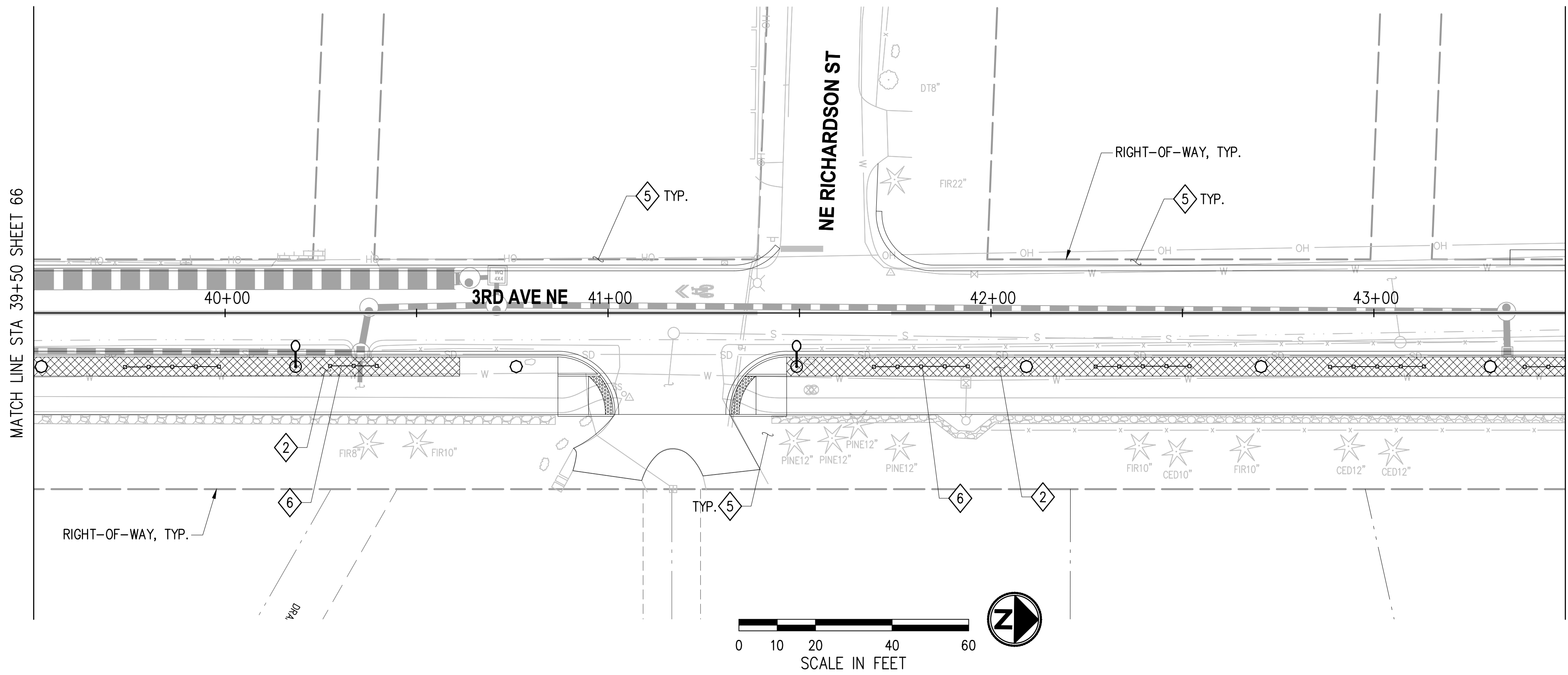
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

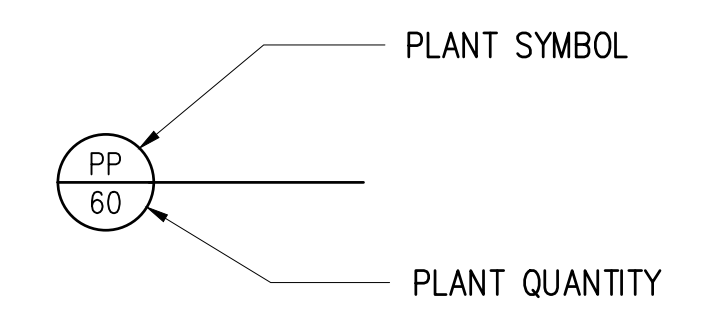
LANDSCAPE PLAN  
 STA 30+50+00 TO STA 39+50  
 KPG PROJECT No. 21078 SHT 66 OF 82

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**CONSTRUCTION NOTES**

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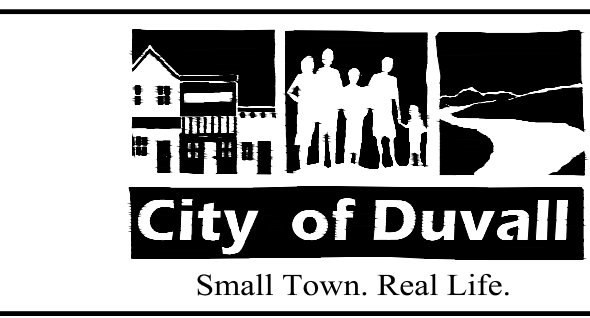
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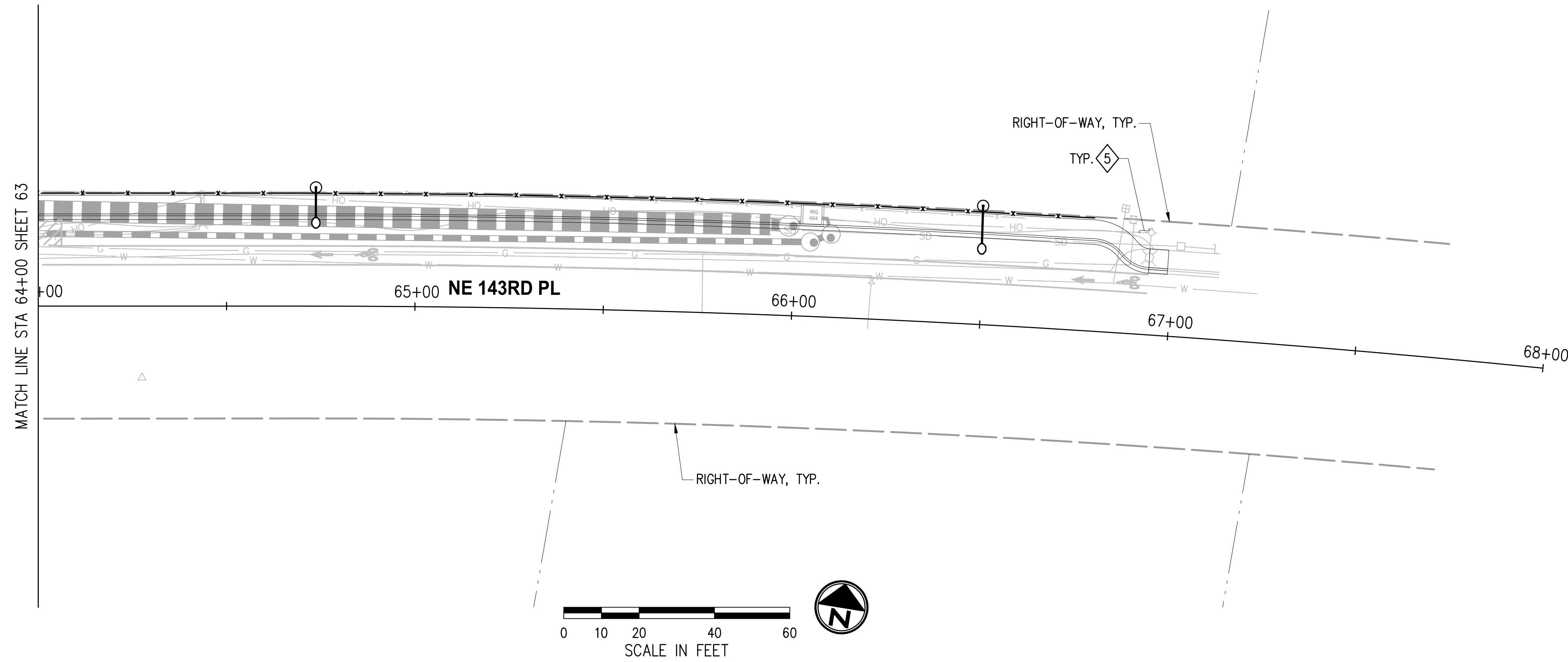
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

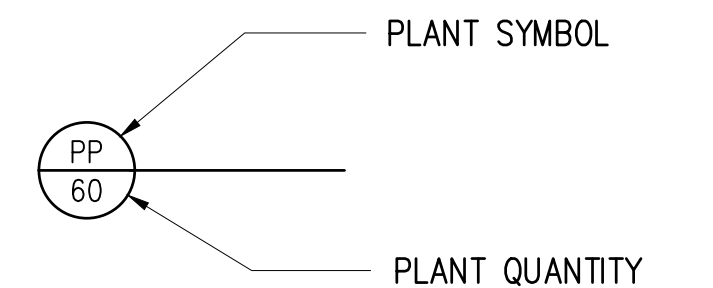
LANDSCAPE PLAN  
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 STA 39+50 TO STA 47+21  
 KPG PROJECT No. 21078 SHT 67 OF 82

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**Approved By**

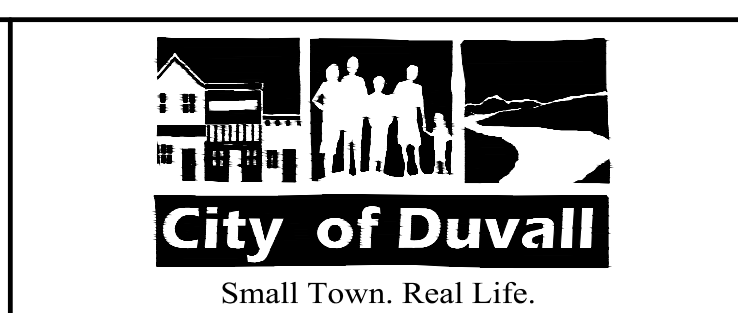
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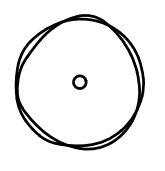
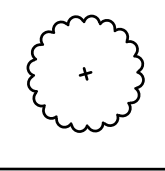
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

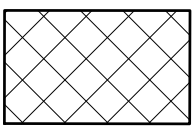
LANDSCAPE PLAN STA 64+00 TO STA 68+00	
KPG PROJECT No. 21078	SHT <u>68</u> OF <u>82</u>

**PRELIMINARY TREE SCHEDULE**

SYMBOL	BOTANICAL NAME/ COMMON NAME	QTY	SIZE	REMARKS
STREET TREES				
	T1 LIRIODENDRON TULIPIFERA 'JFS-02' / EMERALD CITY TULIP TREE	38	2 1/2" CAL. 12'-14' HT.	B&B, WELL BRANCHED
	T2 NYSSA SYLVATICA 'DAVID ODOM' / AFTERBURNER TUPELO		2 1/2" CAL. 12'-14' HT.	B&B, WELL BRANCHED
ACCENT TREES				
	T3 CERCIDIPHYLLUM JAPONICUM 'HANNA'S HEART' / HANNA'S HEART KATSURA	34	2" CAL. 10'-12" HT.	B&B, WELL BRANCHED
	T4 PRUNUS SARGENTII 'JFS-KW58' / PINK FLAIR CHERRY		2" CAL. 10'-12" HT.	B&B, WELL BRANCHED
BACK-OF-WALK RESTORATION TREES*				
T5	TSUGA MERTENSIANA / MOUNTAIN HEMLOCK		6'-7' HT.	B&B, WELL BRANCHED
T6	THUJA PLICATA 'EXCELSA' / EXCELSA WESTERN RED CEDAR		6'-7' HT.	B&B, WELL BRANCHED
T7	ACER CIRCINATUM / VINE MAPLE		7'-8' HT.	3-5 CANES MIN. 1" MIN. CAL. PER CANE
T8	RHAMNUS PURSHIANA / CASCARA		7'-8' HT.	3-5 CANES MIN. 1" MIN. CAL. PER CANE

\*NOTE: QUANTITY AND LOCATIONS OF BACK-OF-WALK RESTORATION TREES TO BE DETERMINED AT NEXT SUBMITTAL

**PRELIMINARY PLANT SCHEDULE**

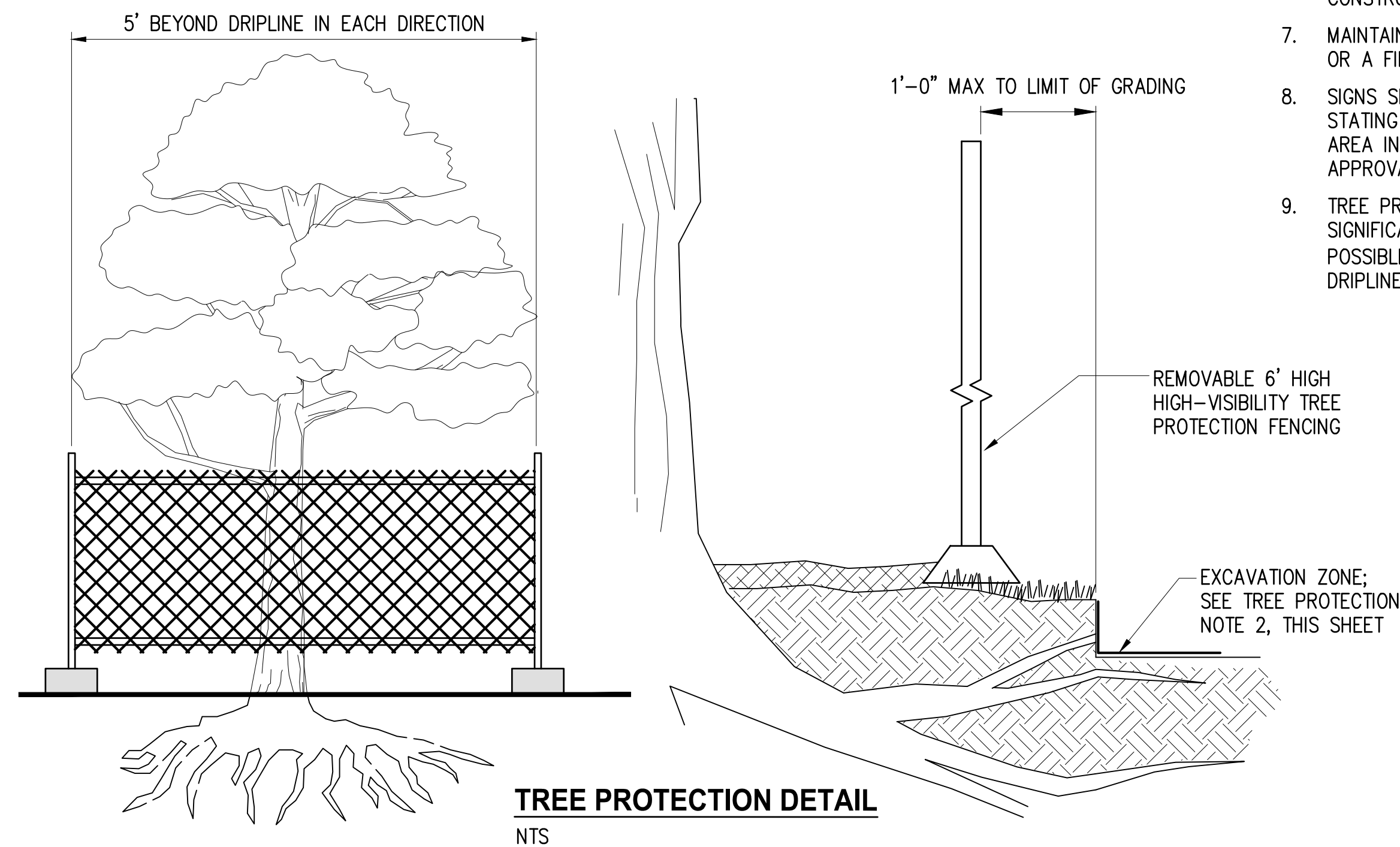
SYMBOL	BOTANICAL NAME/ COMMON NAME	QTY	SIZE	REMARKS
SHRUBS				
 1,600 SY	ESCALLONIA X 'NEWPORT DWARF' / NEWPORT DWARF ESCALLONIA		2 GAL CONT.	42" O.C. TRI. SP. TYP.
	RHODODENDRON X 'PERCY WISEMAN' / PERCY WISEMAN RHODODENDRON		2 GAL CONT.	42" O.C. TRI. SP. TYP.
	DEUTZIA GRACILIS 'NIKKO' / NIKKO DEUTZIA		2 GAL CONT.	42" O.C. TRI. SP. TYP.
	NANDINA DOMESTICA 'LEMON-LIME' / LEMON-LIME NANDINA		2 GAL CONT.	36" O.C. TRI. SP. TYP.
	DISTYLIUM X 'PIIDIST-V' / CINNAMON GIRL DISTYLIUM		2 GAL CONT.	36" O.C. TRI. SP. TYP.
	CORNUS SERICEA 'KELSEY' / KELSEY'S DWARF RED TWIG DOGWOOD		2 GAL CONT.	24" O.C. TRI. SP. TYP.
	BERBERIS THUNBERGII 'CONCORDE' / CONCORDE BARBERRY		2 GAL CONT.	24" O.C. TRI. SP. TYP.
	GRASSES, PERENNIALS & GROUNDCOVERS			
	SESLERIA AUTUMNALIS / AUTUMN MOOR GRASS		1 GAL CONT.	24" O.C. TRI. SP. TYP.
	EPIMEDIUM X PERRALCHICUM 'FROHNLEITEN' / FROHNLEITEN EPIMEDIUM		1 GAL CONT.	18" O.C. TRI. SP. TYP.
	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC		1 GAL CONT.	42" O.C. TRI. SP. TYP.
	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON ENGLISH LAUREL		1 GAL CONT.	30" O.C. TRI. SP. TYP.
	POLYSTICHUM MUNITUM / WESTERN SWORD FERN		1 GAL CONT.	24" O.C. TRI. SP. TYP.
	MAHONIA REPENS / CREEPING MAHONIA		1 GAL CONT.	24" O.C. TRI. SP. TYP.

**GENERAL NOTES**

- ALL PLANT MATERIALS SHALL MEET THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 MOST CURRENT VERSION.
- PLAN, MAINTAIN AND WARRANTY PER SECTION 8-02 OF THE SPECIAL PROVISIONS.
- DO NOT SUBSTITUTE SPECIES WITHOUT THE APPROVAL OF ENGINEER.
- INSTALL 2" BARK OR WOOD CHIP MULCH OVER ALL DISTURBED AREAS NOT BEING PLANTED OR SEEDED, UNLESS OTHERWISE NOTED.
- PROPERTY RESTORATION TO BE DONE AS DIRECTED BY THE ENGINEER.
- ALL STREET TREES SHALL MEET WSDOT "STREET TREE GRADE" STANDARD AND SHALL BRANCH AT MIN 6' HT. ABOVE FINISH GRADE.

**TREE PROTECTION NOTES**

- SIX FOOT HIGH HIGH-VISIBILITY FENCE SHALL BE PLACED AT LIMITS OF CONSTRUCTION AND SHALL EXTEND 5' IN BOTH DIRECTIONS BEYOND THE DRIPLINE OF TREE TO BE SAVED. INSTALL FENCE POSTS USING PIER BLOCKS ONLY. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER 1" IN DIAMETER DAMAGED DURING CONSTRUCTION; MAKE A CLEAN, STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.
- WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY. NO STOCKPILE OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE FENCING.
- PORTIONS OF THE TREE PROTECTION FENCING MAY BE MOVED 1/3 INTO THE PRESCRIBED TREE PROTECTION AREA IF UNABLE TO PROTECT ENTIRE DRIP LINE AREA. THIS IS ONLY PERMITTED FOR PORTIONS OF THE PRESCRIBED TREE PROTECTION AREA THAT ARE IN CONFLICT WITH CONSTRUCTION ACTIVITIES BASED UPON ENGINEER'S APPROVAL.
- ALL TREES NOTED FOR REMOVAL SHALL BE APPROVED BY ENGINEER PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- ALL TREES TO REMAIN WITHIN CLEARING AND GRUBBING LIMITS, SHALL BE TAGGED FOR APPROVAL BY ENGINEER, PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- MAINTAIN FENCING IN PLACE UNTIL THE CITY AUTHORIZES REMOVAL OR A FINAL APPROVAL IS ISSUED.
- SIGNS SHALL BE ATTACHED TO THE TREE PROTECTION FENCING STATING THAT THE TREE IS DESIGNATED FOR PROTECTION AND THE AREA INSIDE OF THE FENCE IS NOT TO BE DISTURBED UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER.
- TREE PROTECTION FENCING SHALL BE CONSOLIDATED AROUND SIGNIFICANT GROUPINGS OF EXISTING TREES TO REMAIN WHERE POSSIBLE; TREE PROTECTION FENCING MUST EXTEND 5' BEYOND DRIPLINE OF OUTERMOST TREES IN GROUPING.



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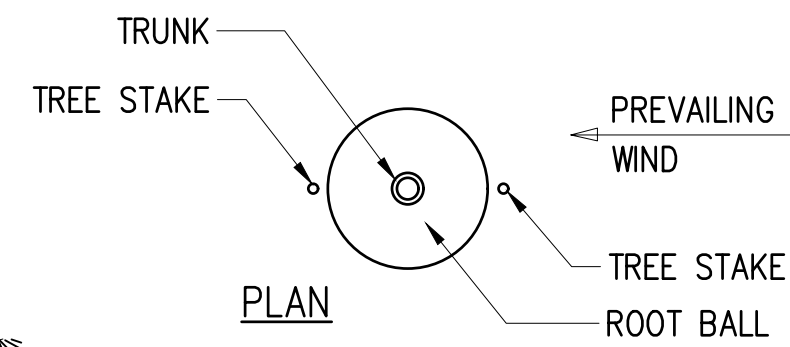
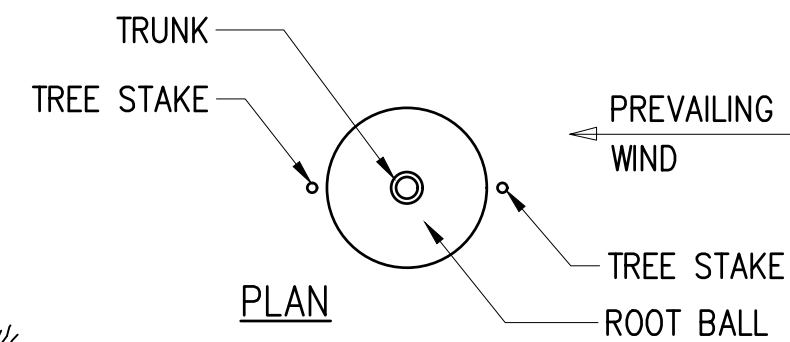
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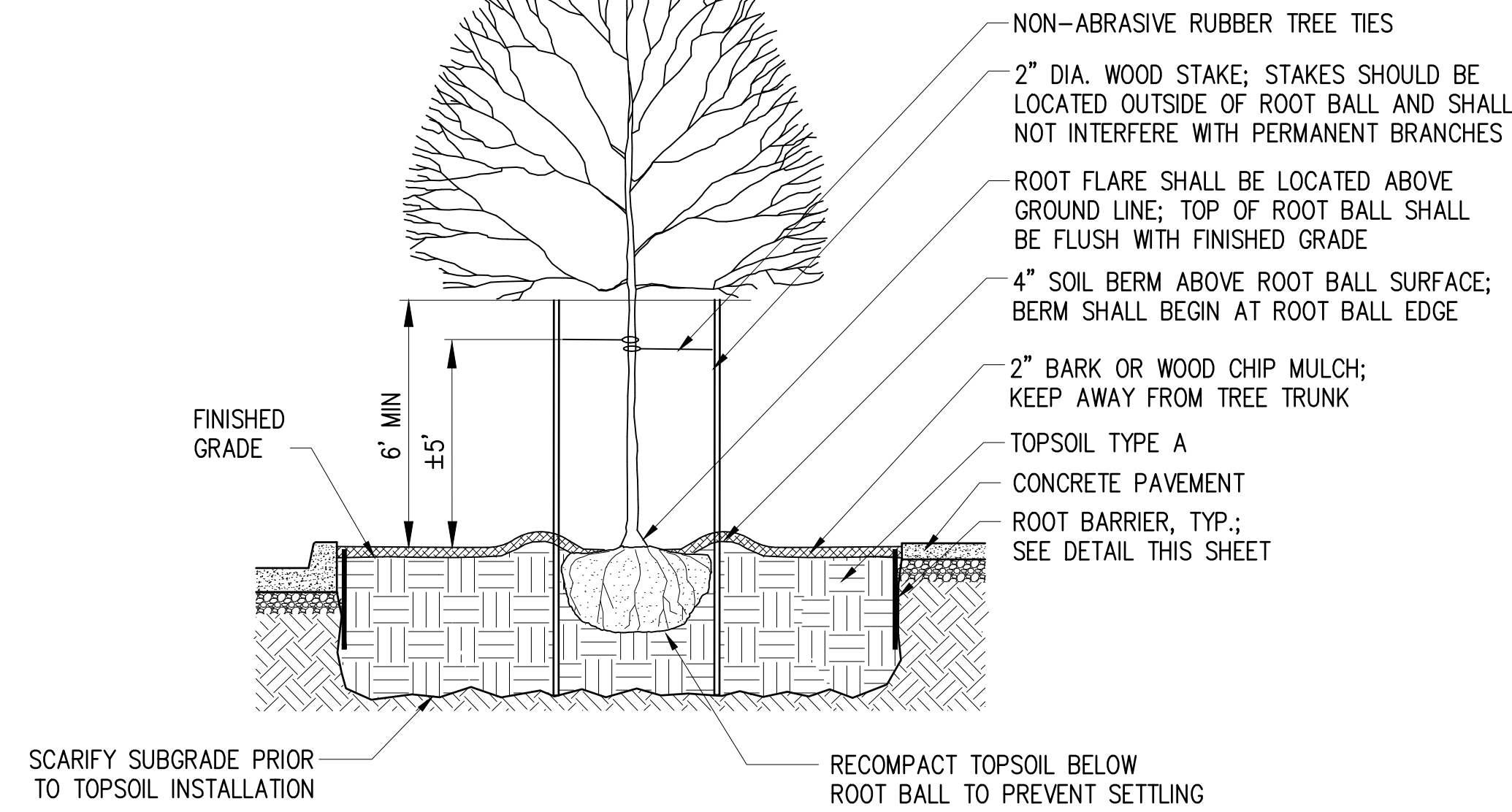
**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**LANDSCAPE DETAILS**  
KPG PROJECT No. 21078 SHT 69 OF 82



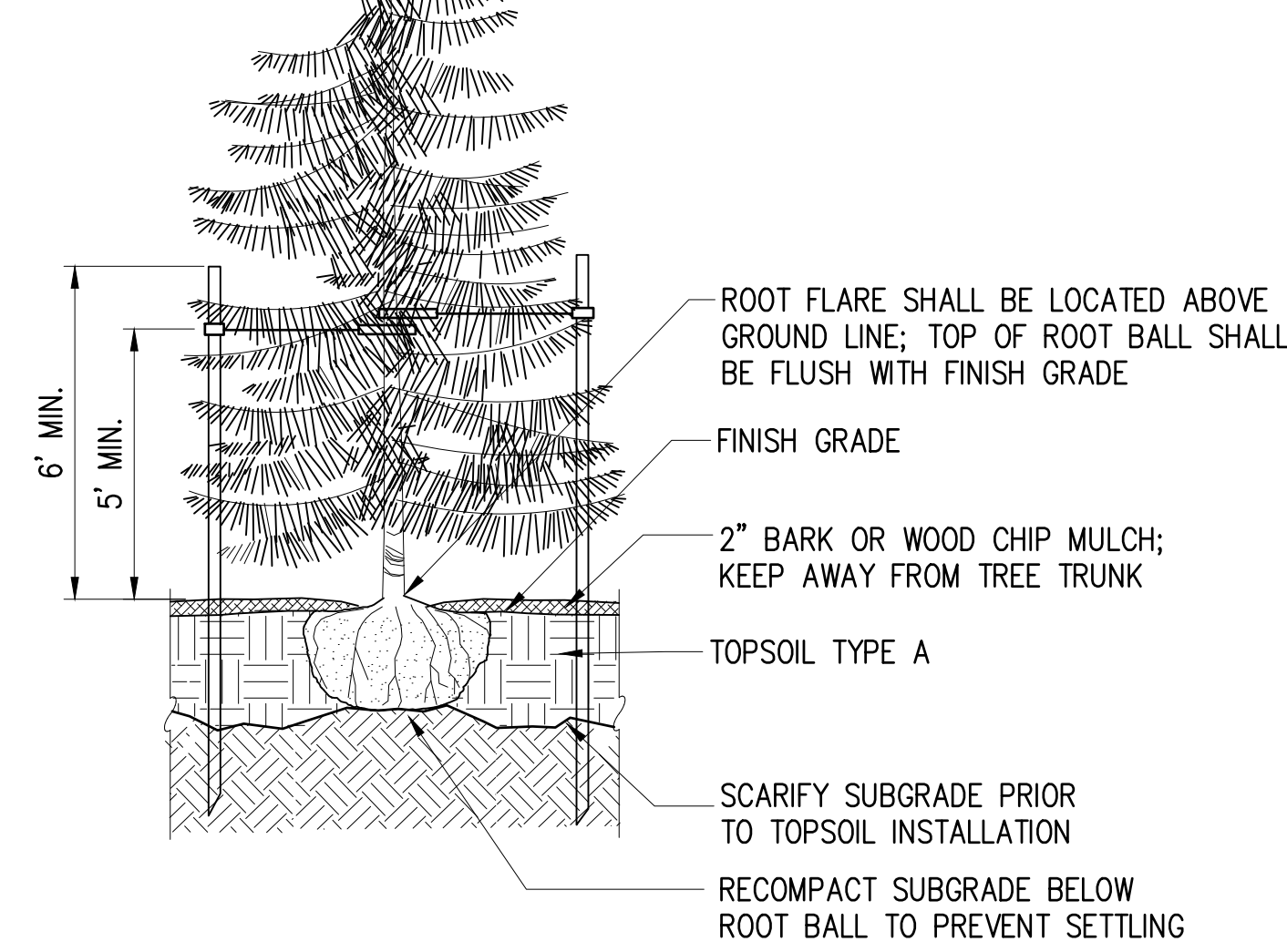
**TREE PLANTING NOTES**

1. TREE PIT SHALL NOT BE LESS THAN (3) TIMES ROOTBALL DIAMETER.
2. CUT ALL TIES AND REMOVE BURLAP ROOTBALL.
3. REMOVE ALL PLASTIC AND TWINE.
4. BACKFILL TOPSOIL TYPE A AROUND ROOT BALL IN 6" LIFTS AND LIGHTLY RECOMPACT EACH LIFT; AFTER BACKFILLING, WATER IN ROOT BALL TO SETTLE THE SOIL.
5. PLANT TREES WITH ROOT FLARE ABOVE FINISHED GRADE; DO NOT COVER TOP OF ROOTBALL WITH SOIL.



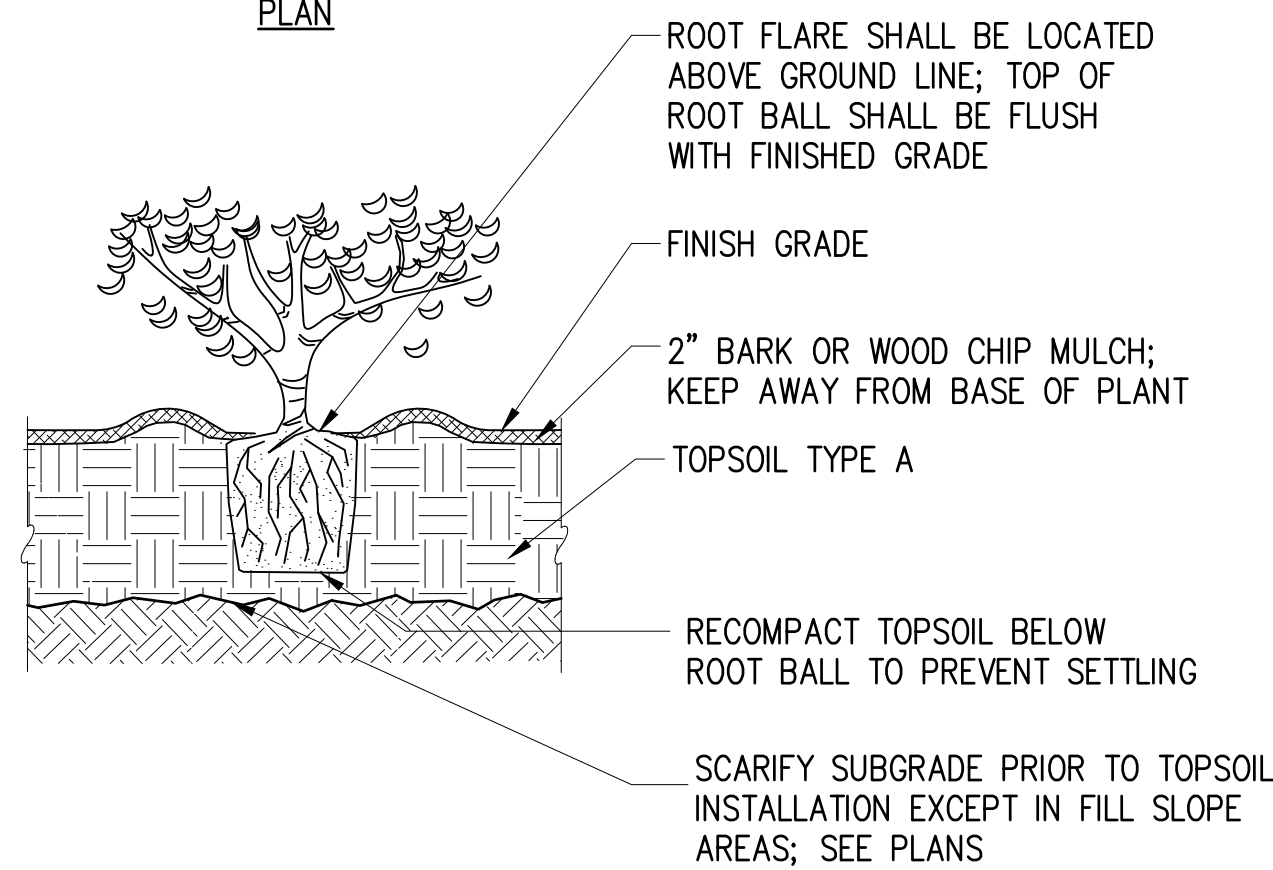
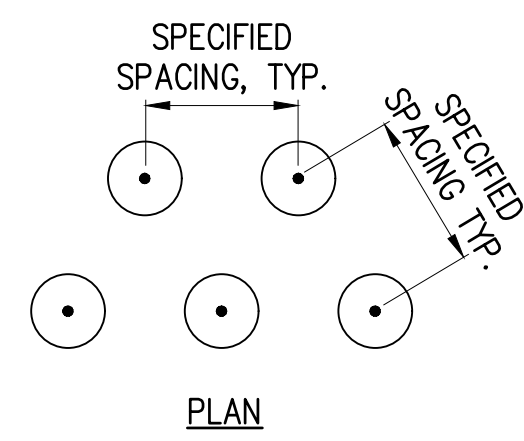
**TYPICAL STREET TREE PLANTING DETAIL**

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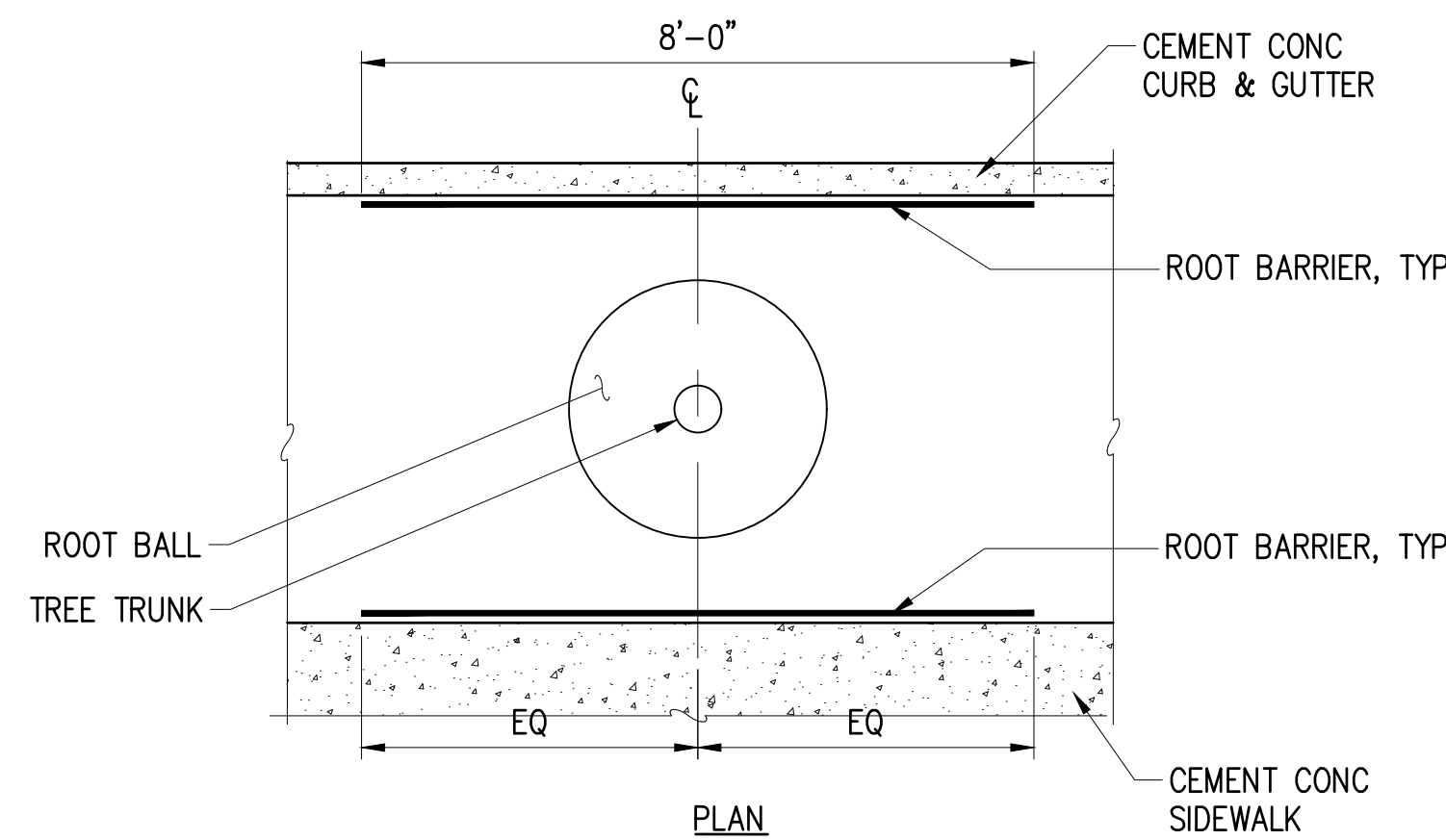
**TYPICAL EVERGREEN TREE PLANTING DETAIL**

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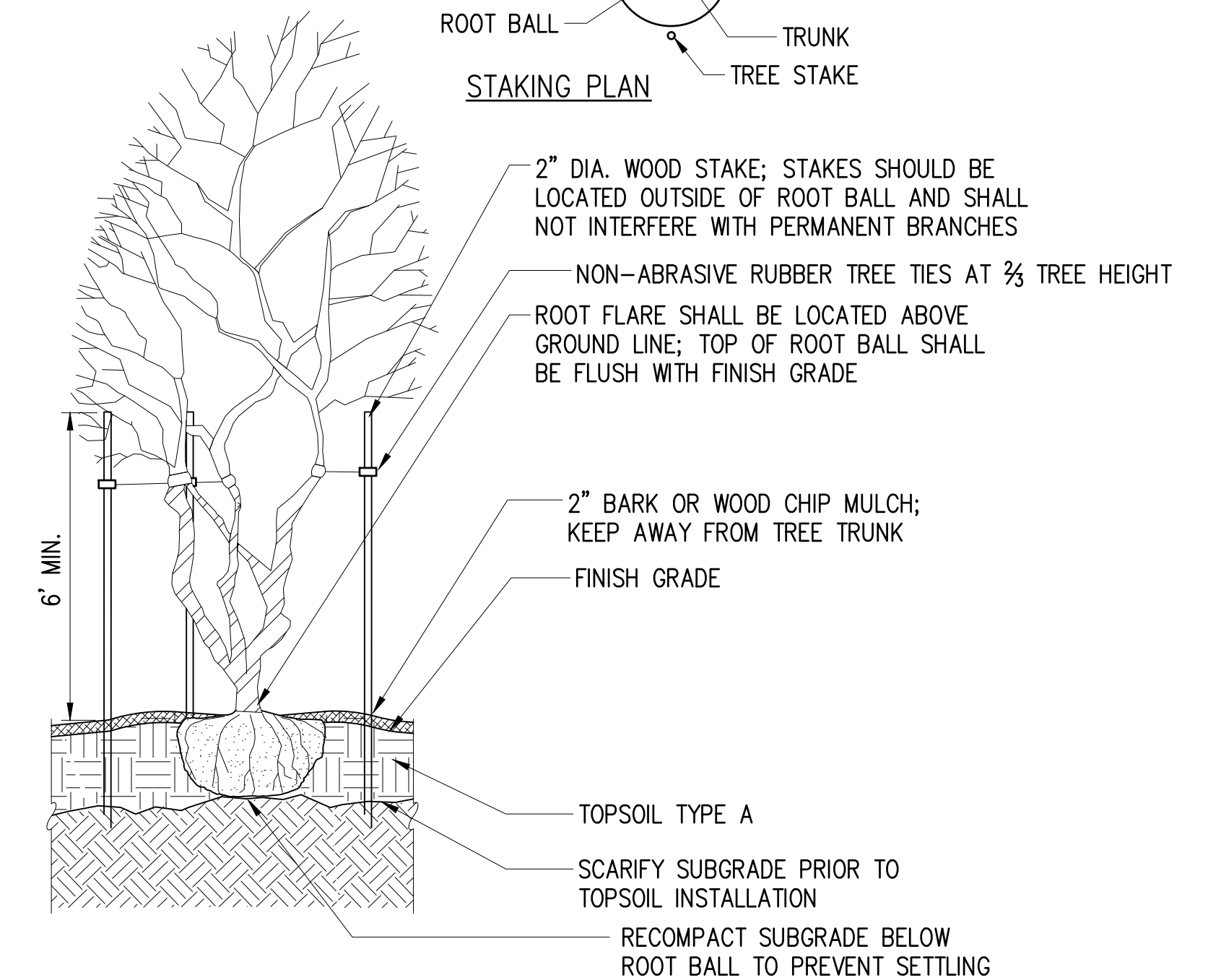
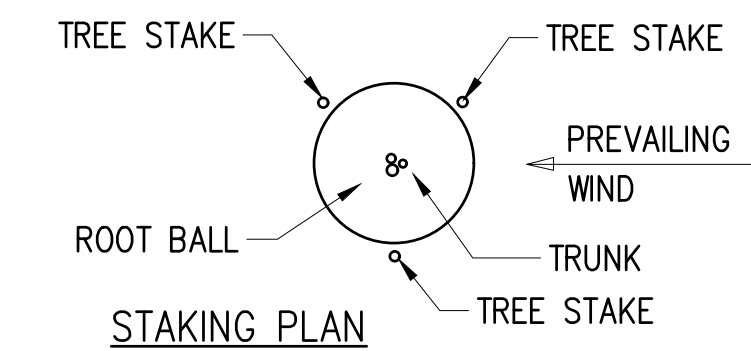
**TYPICAL SHRUB/GROUNDCOVER PLANTING DETAIL**

NTS



**TYPICAL ROOT BARRIER DETAIL**

NTS



**TYPICAL MULTI-STEM TREE PLANTING DETAIL**

NTS

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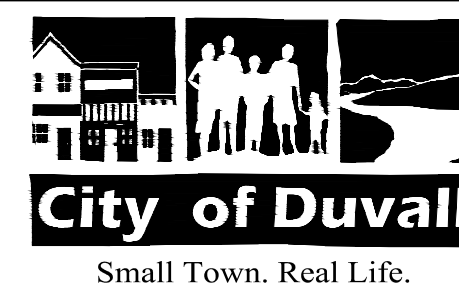
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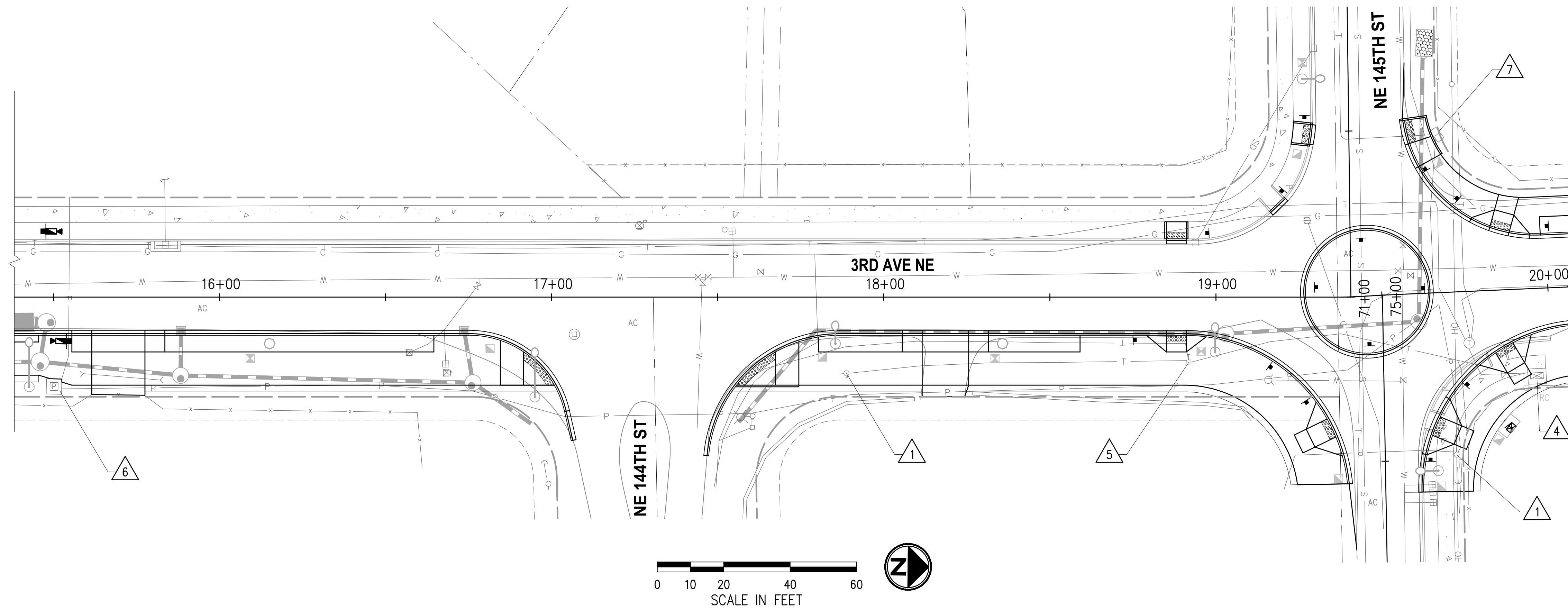
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

LANDSCAPE DETAILS

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**GENERAL NOTES**

JOINT UTILITY TRENCH DESIGN WILL BE DEVELOPED FURTHER IN NEXT SUBMITTAL AS COORDINATION WITH FRANCHISE UTILITIES ADVANCES

**CONSTRUCTION NOTES**

- 1 RELOCATE UTILITY POLE BY OTHERS.
- 4 EXISTING POWER PEDESTAL TO BE RELOCATED BY OTHERS.
- 5 RELOCATE TELEPHONE RISER BY OTHERS.
- 6 ADJUST EXISTING POWER VAULT TO GRADE BY OTHERS.
- 7 EXISTING TELEPHONE RISER TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.

**LEGEND**

- EXISTING ROW
- - - - - PROPERTY LINE
- ==== JOINT UTILITY TRENCH

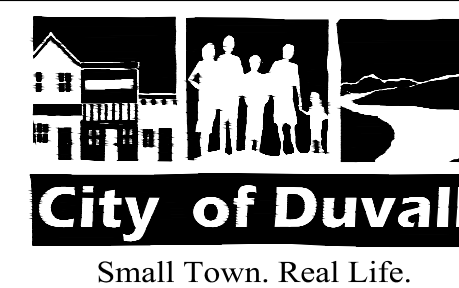
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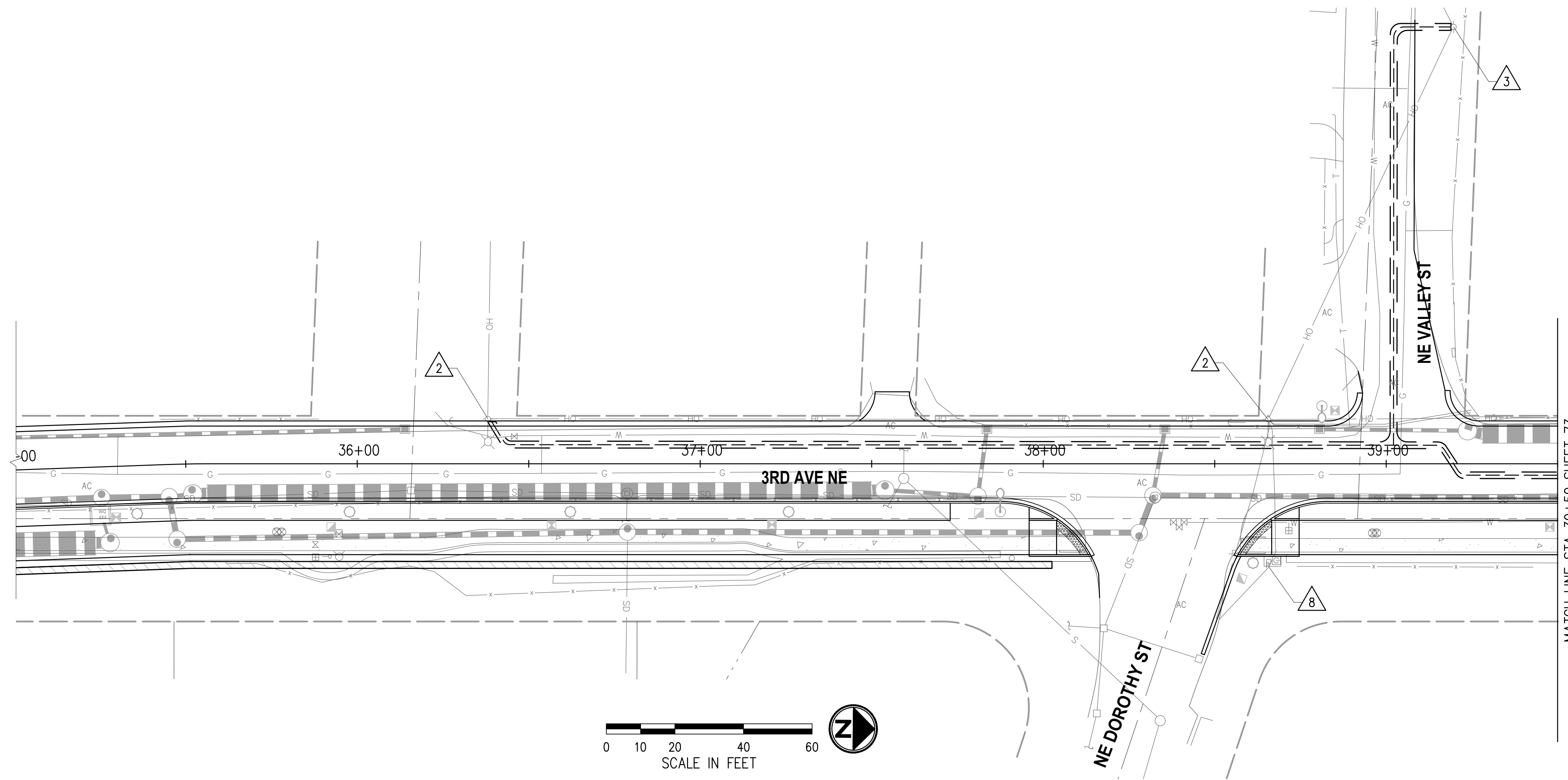
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

JOINT UTILITY TRENCH PLAN  
 STA 15+30 TO STA 19+80

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**GENERAL NOTES**

JOINT UTILITY TRENCH DESIGN WILL BE DEVELOPED FURTHER IN NEXT SUBMITTAL AS COORDINATION WITH FRANCHISE UTILITIES ADVANCES

**CONSTRUCTION NOTES**

- △ 2 REMOVE UTILITY POLE BY OTHERS.
- △ 3 EXISTING UTILITY POLE TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.
- △ 8 EXISTING ELECTRICAL METER AND EQUIPMENT TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.

**LEGEND**

- EXISTING ROW
- PROPERTY LINE
- JOINT UTILITY TRENCH

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

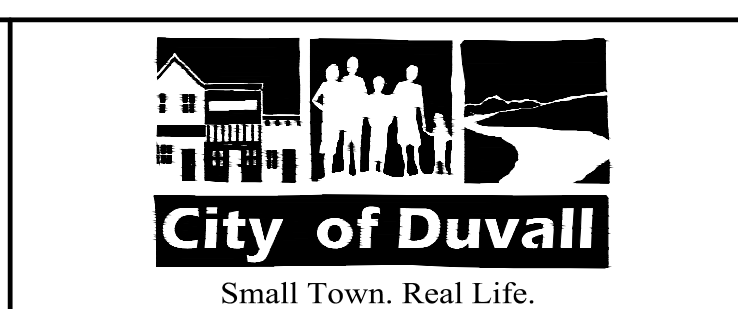
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OBP	CHECKED BY
02/2023	DATE



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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

JOINT UTILITY TRENCH PLAN STA 35+00 TO STA 39+50	
KPG PROJECT No. 21078	SHT <u>72</u> OF <u>82</u>

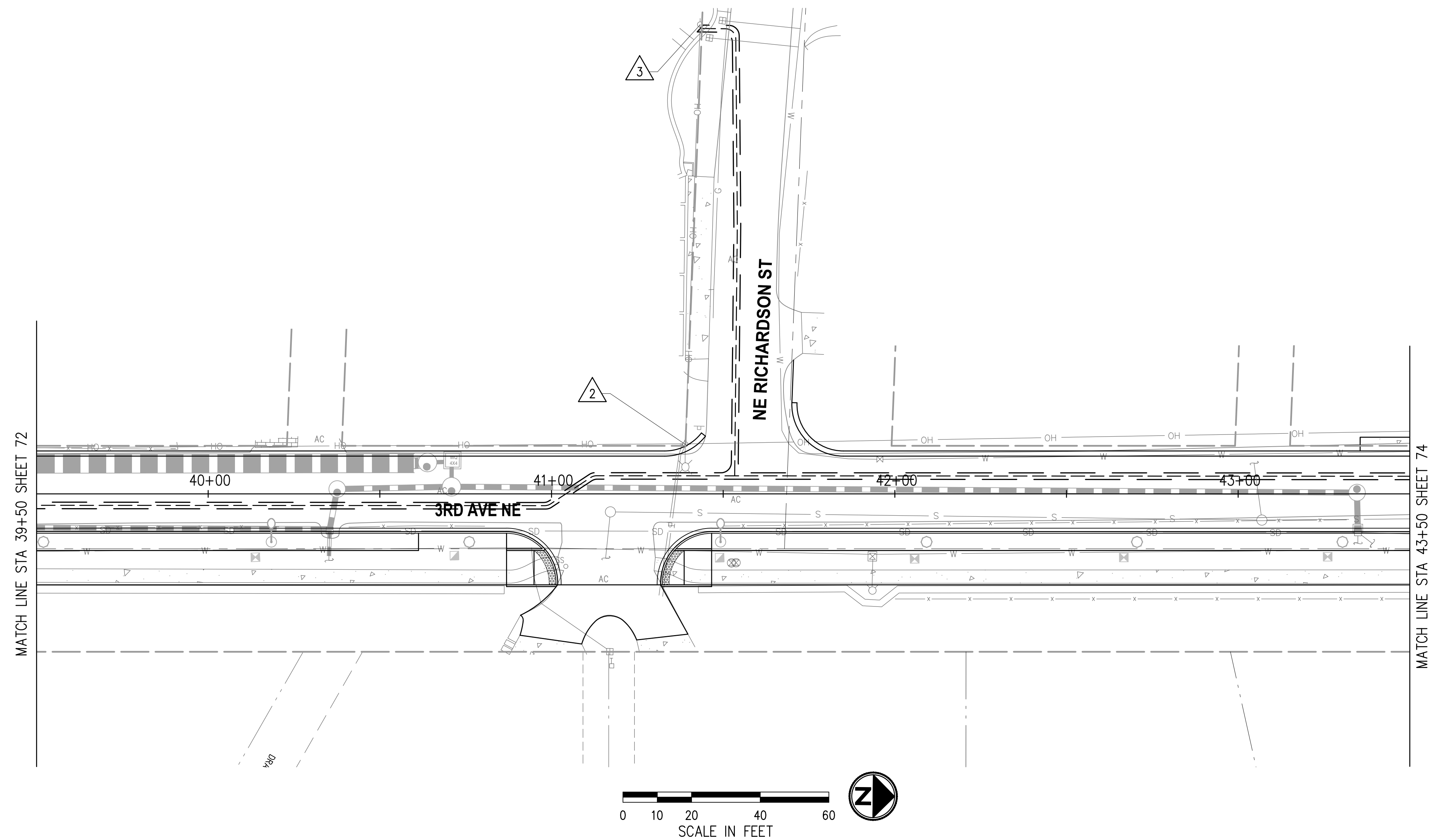
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**GENERAL NOTES**

JOINT UTILITY TRENCH DESIGN WILL BE DEVELOPED FURTHER IN NEXT SUBMITTAL AS COORDINATION WITH FRANCHISE UTILITIES ADVANCES

**CONSTRUCTION NOTES**

- 2 REMOVE UTILITY POLE BY OTHERS.
- 3 EXISTING UTILITY POLE TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.



**LEGEND**

- EXISTING ROW
- - - PROPERTY LINE
- ==== JOINT UTILITY TRENCH

NO.	DATE	BY	APPR.	REVISIONS

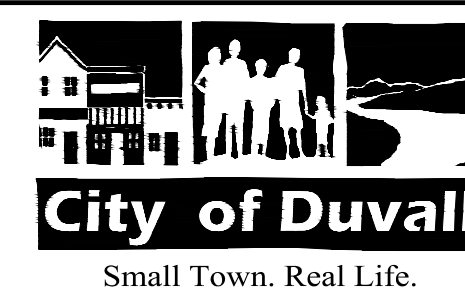
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**CITY OF DUVALL  
3RD AVENUE NE RECONSTRUCTION**

**JOINT UTILITY TRENCH PLAN  
STA 39+50 TO STA 43+50**

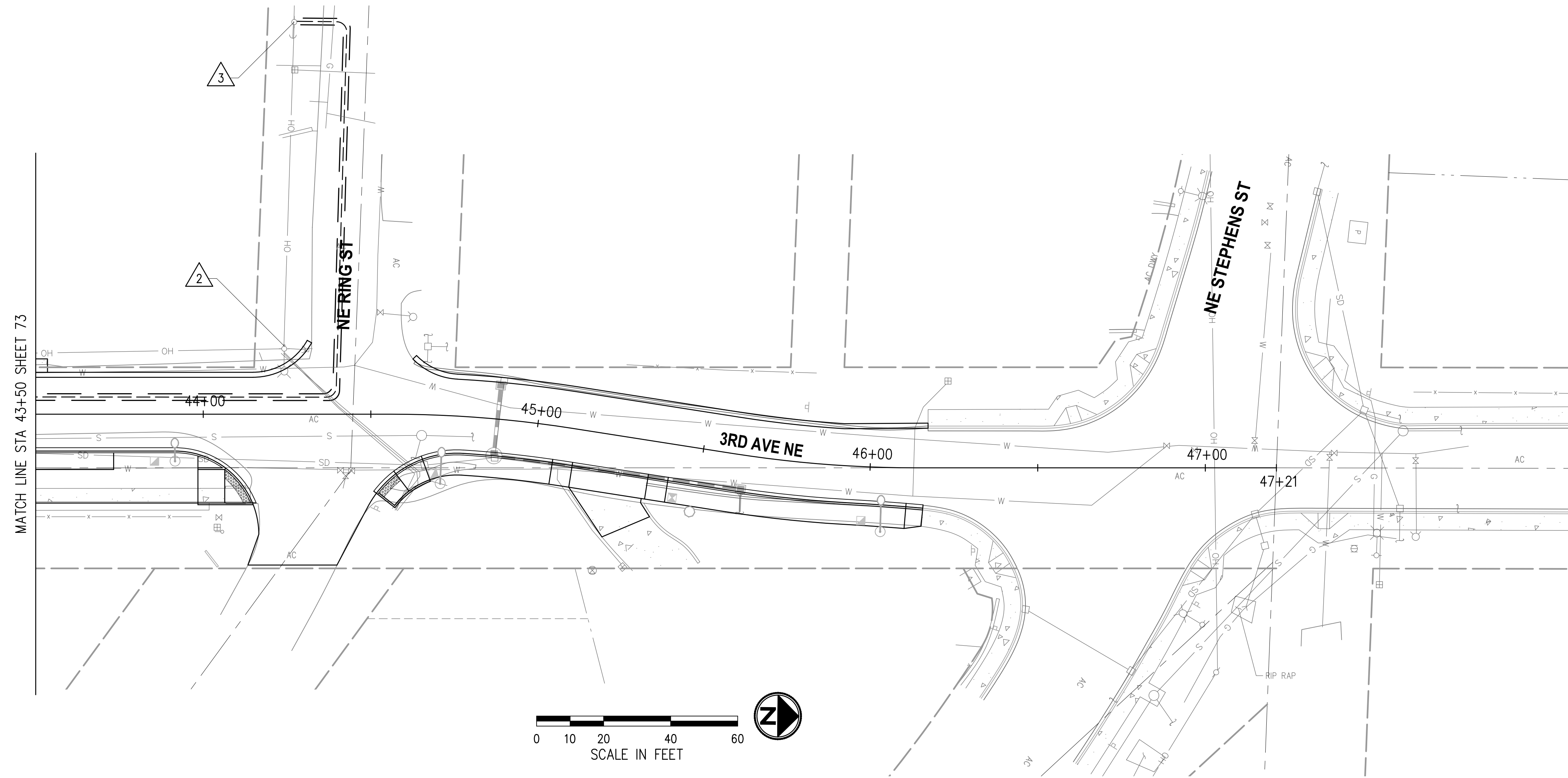
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**GENERAL NOTES**

JOINT UTILITY TRENCH DESIGN WILL BE DEVELOPED FURTHER IN NEXT SUBMITTAL AS COORDINATION WITH FRANCHISE UTILITIES ADVANCES

**CONSTRUCTION NOTES**

- 2 REMOVE UTILITY POLE BY OTHERS.
- 3 EXISTING UTILITY POLE TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.



**LEGEND**

- EXISTING ROW
- - - PROPERTY LINE
- JOINT UTILITY TRENCH

NO.	DATE	BY	APPR.	REVISIONS

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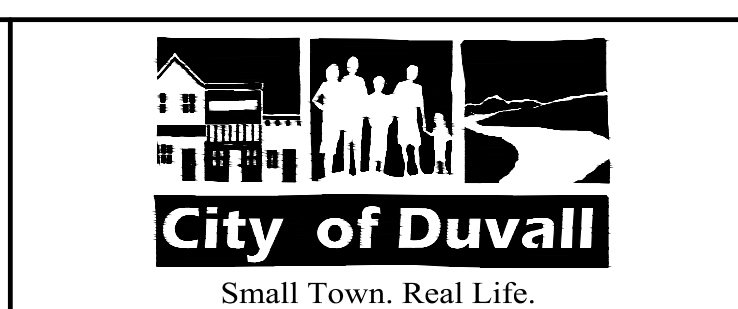
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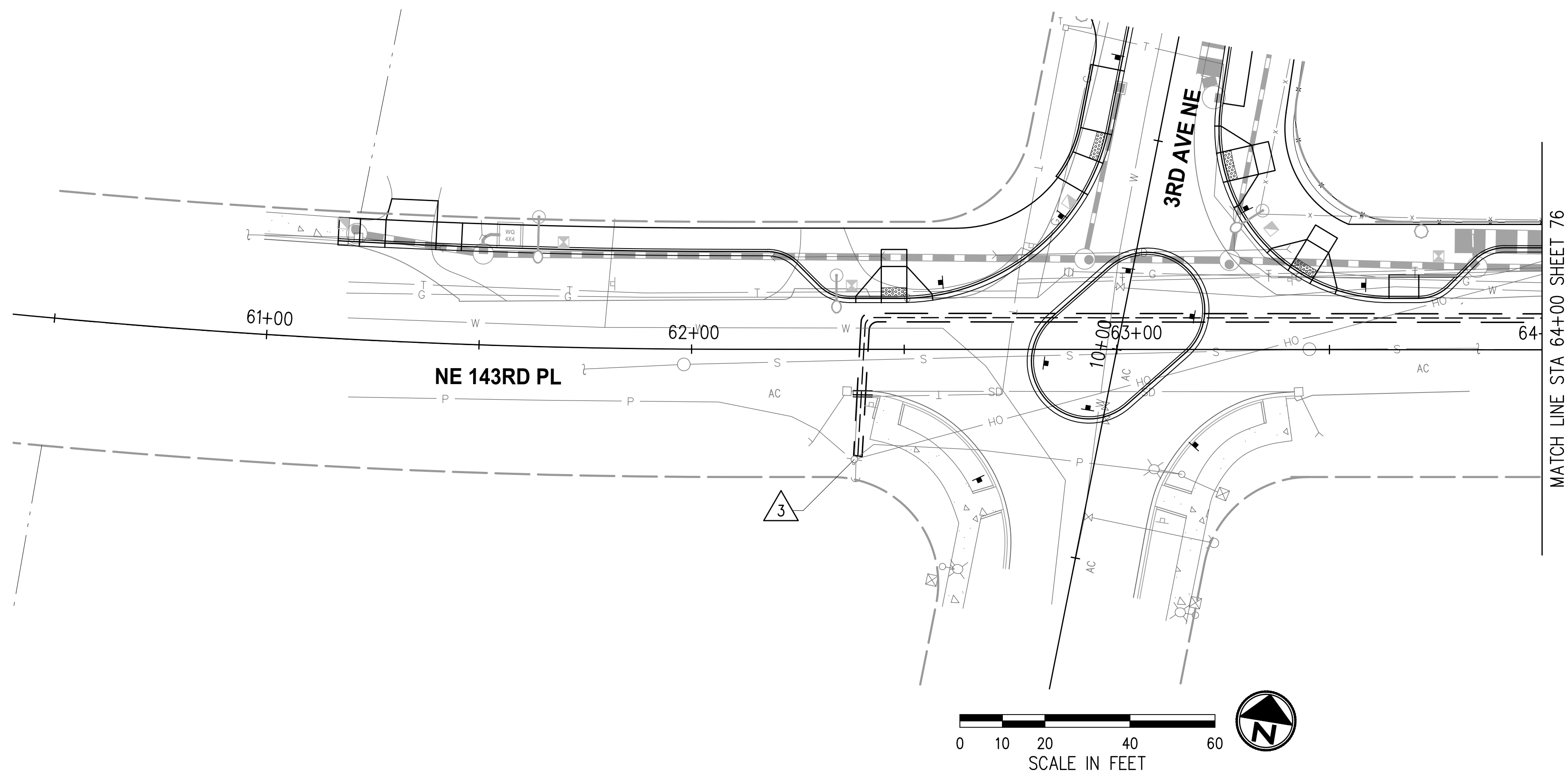
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**JOINT UTILITY TRENCH PLAN**  
 STA 43+50 TO STA 47+20  
 KPG PROJECT No. 21078 SHT 74 OF 82

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**GENERAL NOTES**  
 JOINT UTILITY TRENCH DESIGN WILL BE DEVELOPED FURTHER IN NEXT SUBMITTAL AS COORDINATION WITH FRANCHISE UTILITIES ADVANCES

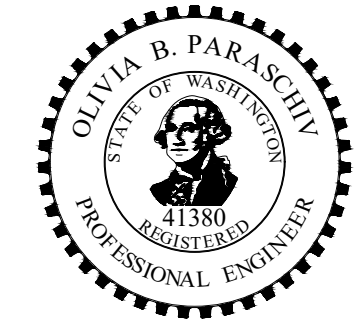
**CONSTRUCTION NOTES**  
 3 EXISTING UTILITY POLE TO REMAIN. PRESERVE AND PROTECT DURING CONSTRUCTION.

**LEGEND**

- EXISTING ROW
- PROPERTY LINE
- ===== JOINT UTILITY TRENCH

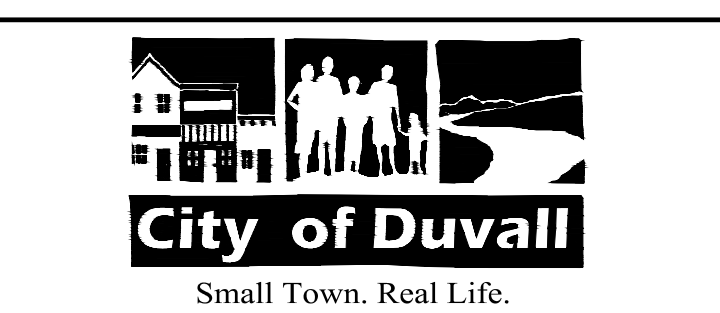
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**CITY OF DUVALL**  
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**JOINT UTILITY TRENCH PLAN**  
 STA 60+50 - STA 64+00  
 KPG PROJECT No. 21078 SHT 75 OF 82

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**GENERAL NOTES**

JOINT UTILITY TRENCH DESIGN WILL BE DEVELOPED FURTHER IN NEXT SUBMITTAL AS COORDINATION WITH FRANCHISE UTILITIES ADVANCES



**CONSTRUCTION NOTES**

 REMOVE UTILITY POLE BY OTHERS.

NO.	DATE	BY	APPR.	REVISIONS

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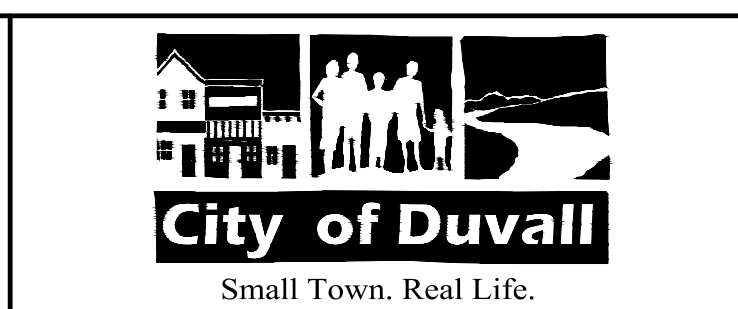
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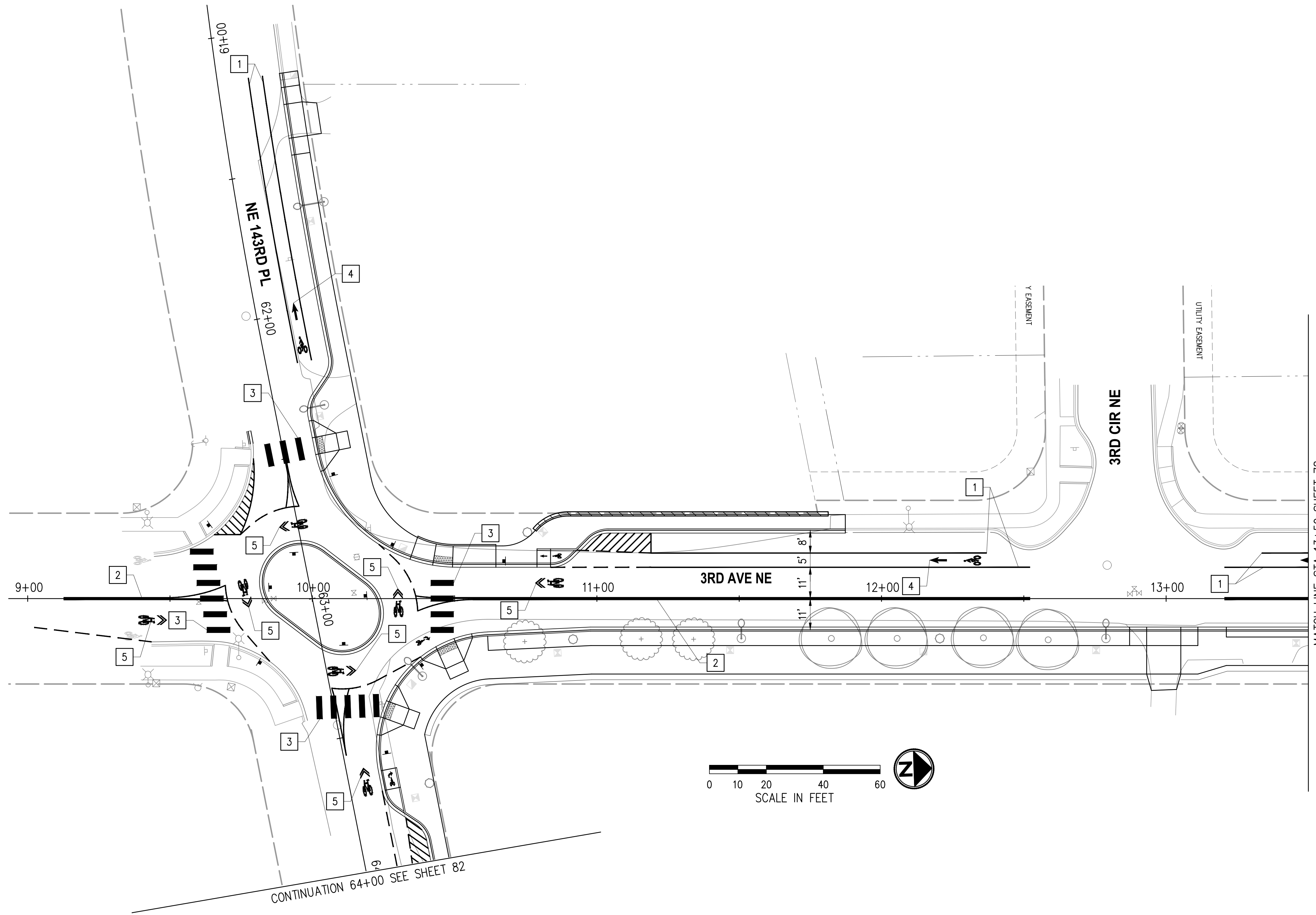
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JOINT UTILITY TRENCH PLAN STA 64+00 TO STA 68+00	
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**CHANNELIZATION & SIGNING NOTES**

1. REMOVE ALL EXISTING CONFLICTING CHANNELIZATION.
2. ALL PAVEMENT MARKING MATERIAL SHALL CONFORM TO THE "STATE OF WASHINGTON ROAD STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION", LATEST EDITION, UNLESS OTHERWISE MODIFIED IN THE SPECIAL PROVISIONS.
3. ALL STREET SIGNS NOTED FOR RELOCATION SHALL BE INSTALLED WITH NEW POSTS AND POST BASE.
4. STREET SIGNS SHALL BE INSTALLED PER COD STANDARD DRAWING NUMBER 3-050-016 AND 3-050-017.
5. SIGN SCHEDULE WILL BE PROVIDED AT THE NEXT SUBMITTAL.

**CHANNELIZATION NOTES**

- 1 PLASTIC LINE, 4" WHITE EDGE LINE.
- 2 PLASTIC LINE, 4" YELLOW DOUBLE CENTERLINE PER WSDOT STANDARD PLAN M-20.10-04.
- 3 PLASTIC CROSSWALK LINE, 24" WHITE.
- 4 PLASTIC BICYCLE LANE SYMBOL PER WSDOT STANDARD PLAN M-9.50-02.
- 5 PLASTIC SHARED LANE SYMBOL PER MUTCD FIGURE 9C-9.
- 6 PLASTIC STOP LINE, 24" WHITE.

**LEGEND**

- ⊕ EXISTING SIGN
- ⊖ PROPOSED SIGN

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

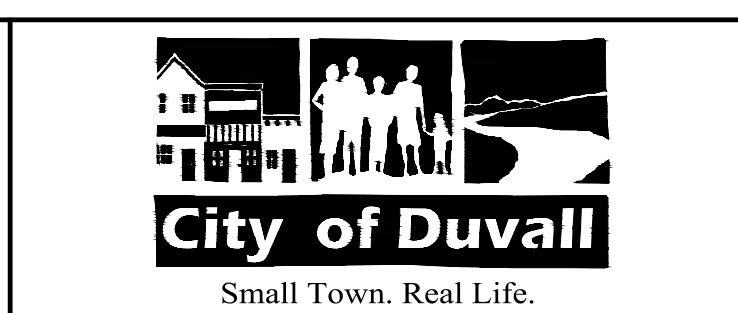
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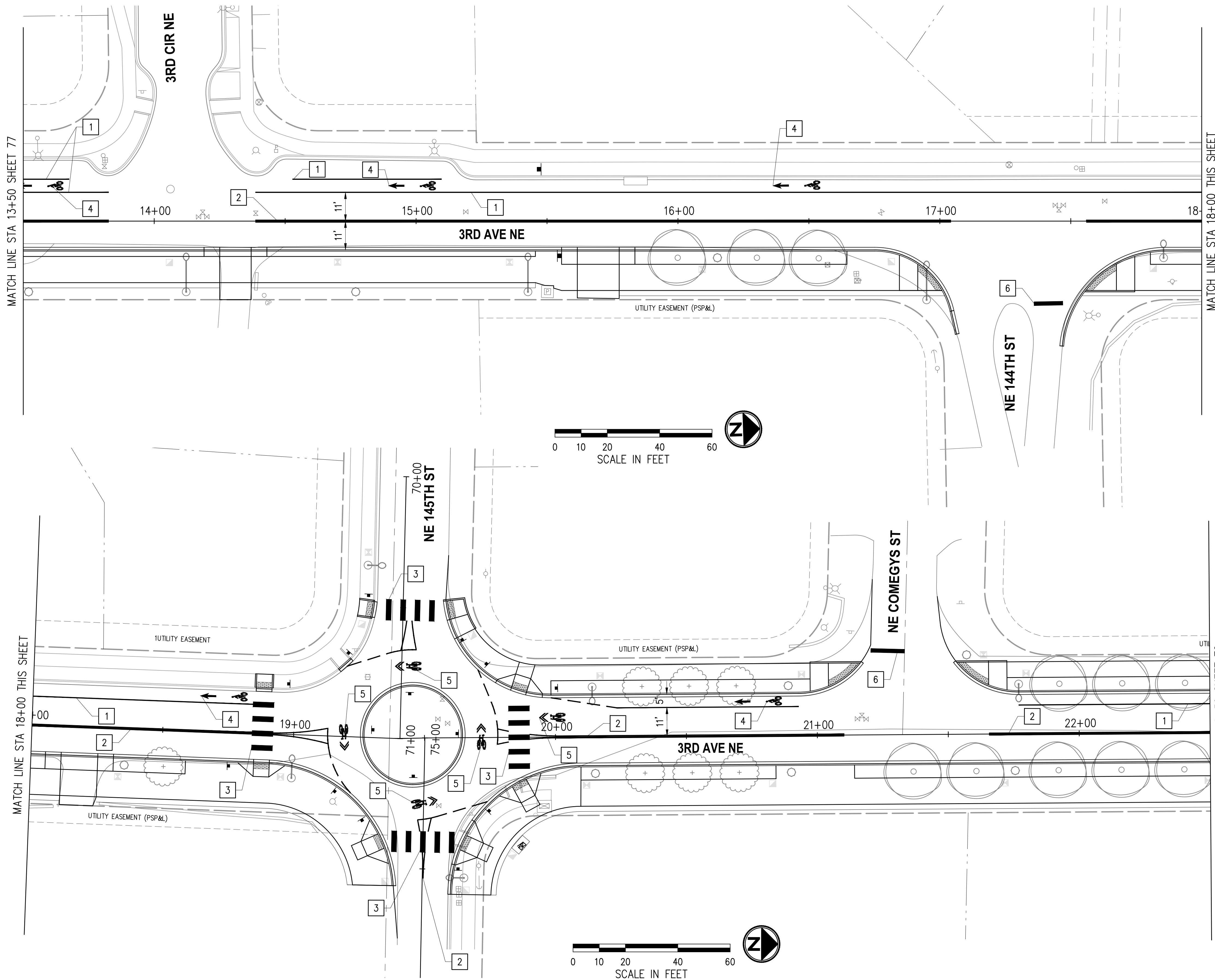
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**CHANNELIZATION & SIGNING PLAN**  
 STA 9+25 TO STA 13+50 AND  
 STA 61+00 TO STA 64+00  
 KPG PROJECT No. 21078 SHT 77 OF 82

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**CHANNELIZATION & SIGNING NOTES**

1. REMOVE ALL EXISTING CONFLICTING CHANNELIZATION.
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**CHANNELIZATION NOTES**

- 1 PLASTIC LINE, 4" WHITE EDGE LINE.
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- 3 PLASTIC CROSSWALK LINE, 24" WHITE.
- 4 PLASTIC BICYCLE LANE SYMBOL PER WSDOT STANDARD PLAN M-9.50-02.
- 5 PLASTIC SHARED LANE SYMBOL PER MUTCD FIGURE 9C-9.
- 6 PLASTIC STOP LINE, 24" WHITE.

**LEGEND**

- EXISTING SIGN
- PROPOSED SIGN

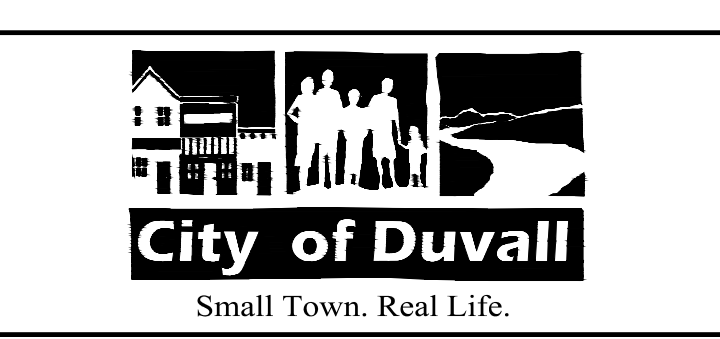
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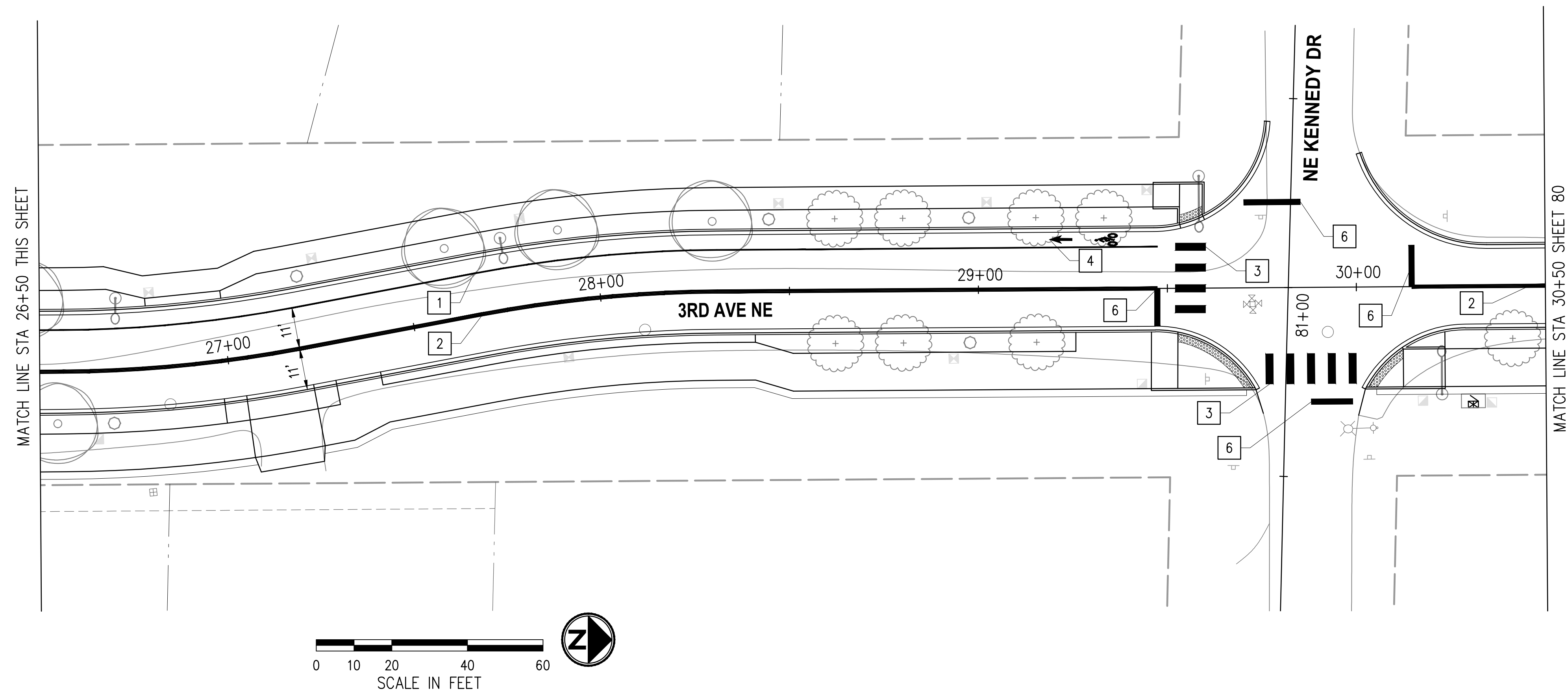
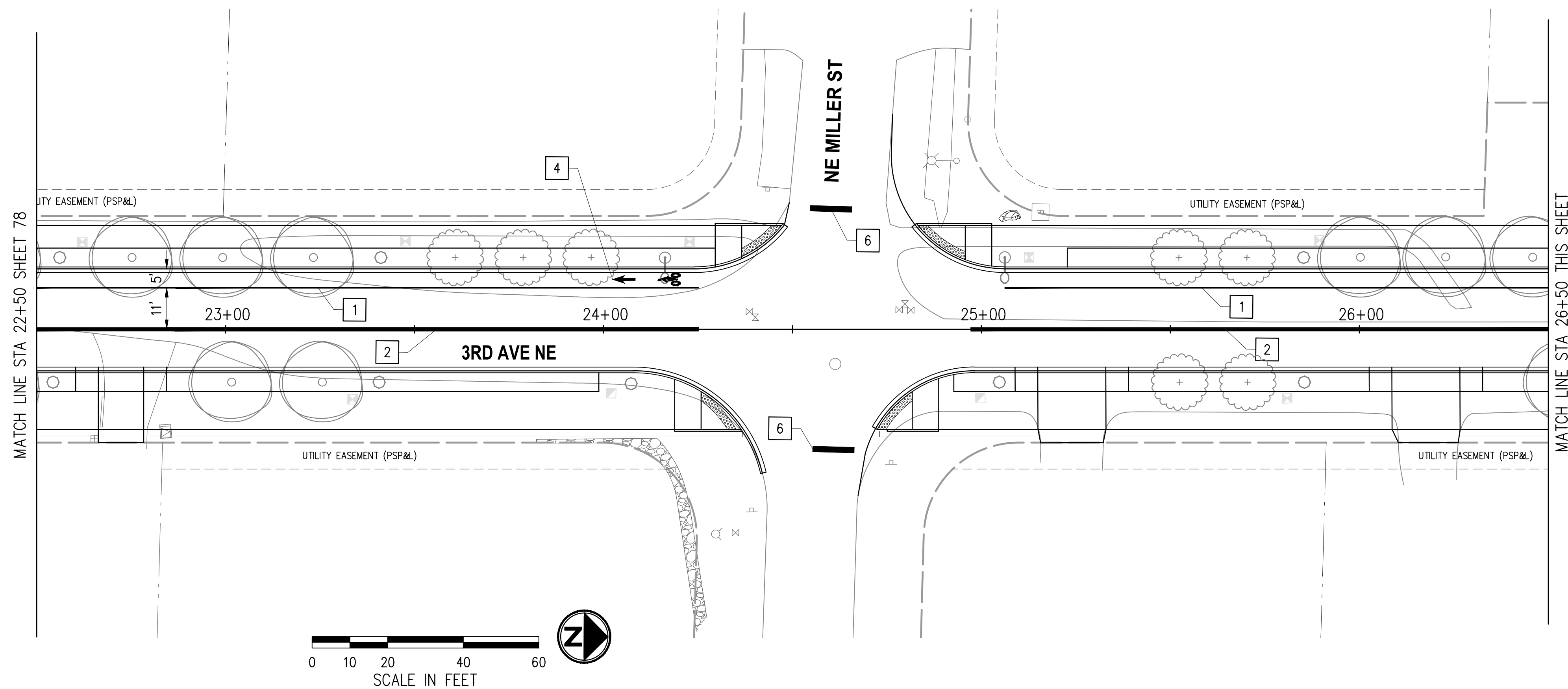
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

<b>CHANNELIZATION &amp; SIGNING PLAN</b>	
STA 13+50 TO STA 22+50	
KPG PROJECT No. 21078	SHT <u>78</u> OF <u>82</u>

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**CHANNELIZATION & SIGNING NOTES**

1. REMOVE ALL EXISTING CONFLICTING CHANNELIZATION.
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5. SIGN SCHEDULE WILL BE PROVIDED AT THE NEXT SUBMITTAL.

**CHANNELIZATION NOTES**

- 1 PLASTIC LINE, 4" WHITE EDGE LINE.
- 2 PLASTIC LINE, 4" YELLOW DOUBLE CENTERLINE PER WSDOT STANDARD PLAN M-20.10-04.
- 3 PLASTIC CROSSWALK LINE, 24" WHITE.
- 4 PLASTIC BICYCLE LANE SYMBOL PER WSDOT STANDARD PLAN M-9.50-02.
- 5 PLASTIC SHARED LANE SYMBOL PER MUTCD FIGURE 9C-9.
- 6 PLASTIC STOP LINE, 24" WHITE.

**LEGEND**

- EXISTING SIGN
- PROPOSED SIGN

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**Approved By**

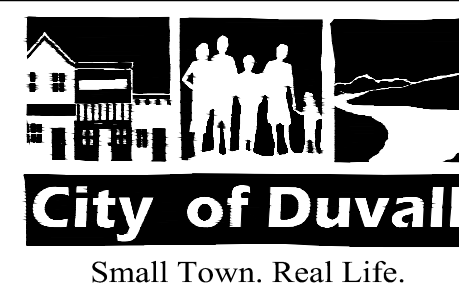
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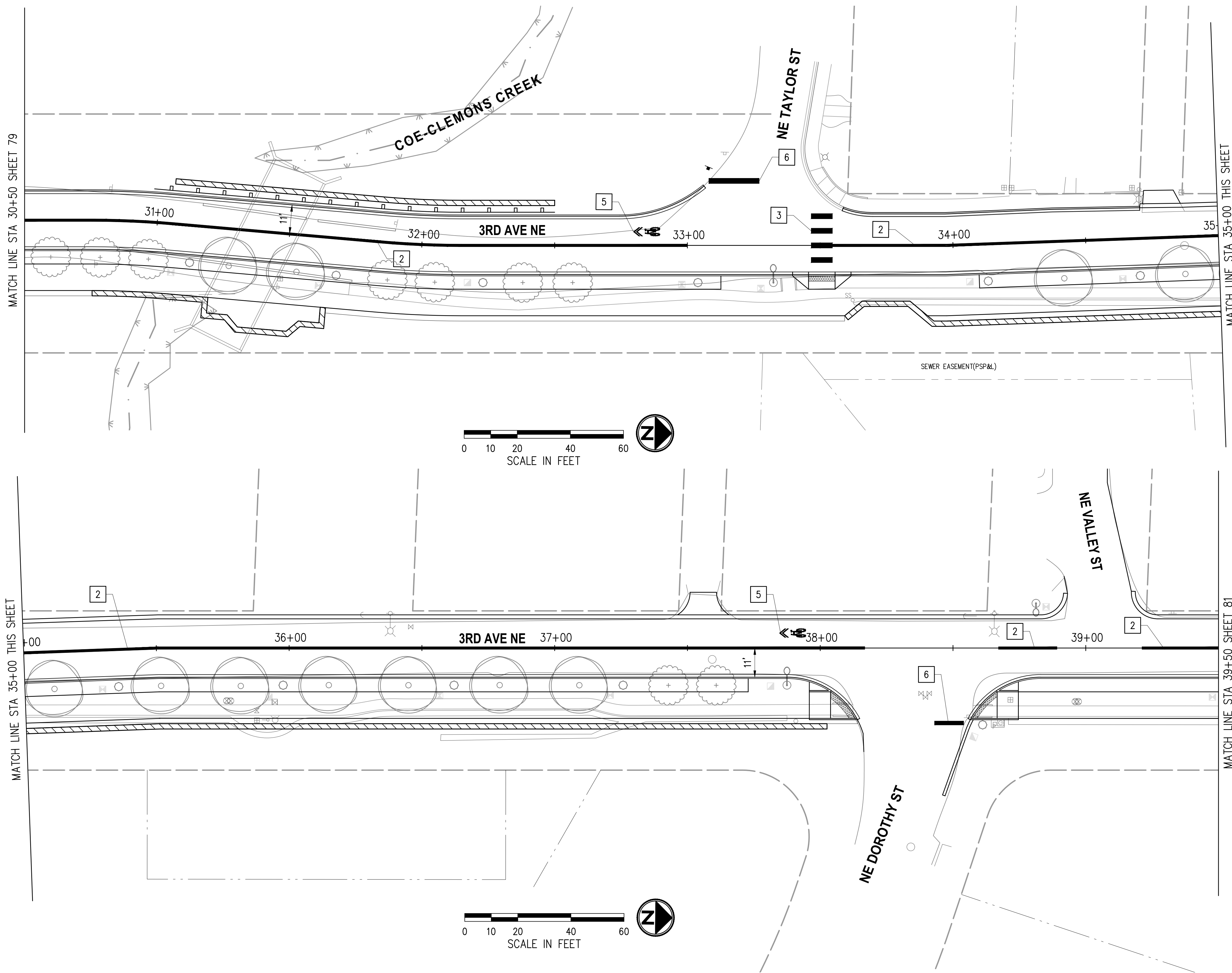
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**CITY OF DUVALL  
 3RD AVENUE NE RECONSTRUCTION**

**CHANNELIZATION & SIGNING PLAN  
 STA 22+50 TO STA 30+50**

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**CHANNELIZATION & SIGNING NOTES**

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5. SIGN SCHEDULE WILL BE PROVIDED AT THE NEXT SUBMITTAL.

**CHANNELIZATION NOTES**

- 1 PLASTIC LINE, 4" WHITE EDGE LINE.
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- 6 PLASTIC STOP LINE, 24" WHITE.

**LEGEND**

- EXISTING SIGN
- PROPOSED SIGN

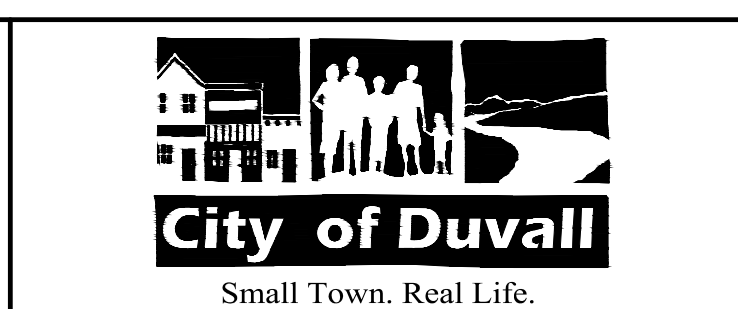
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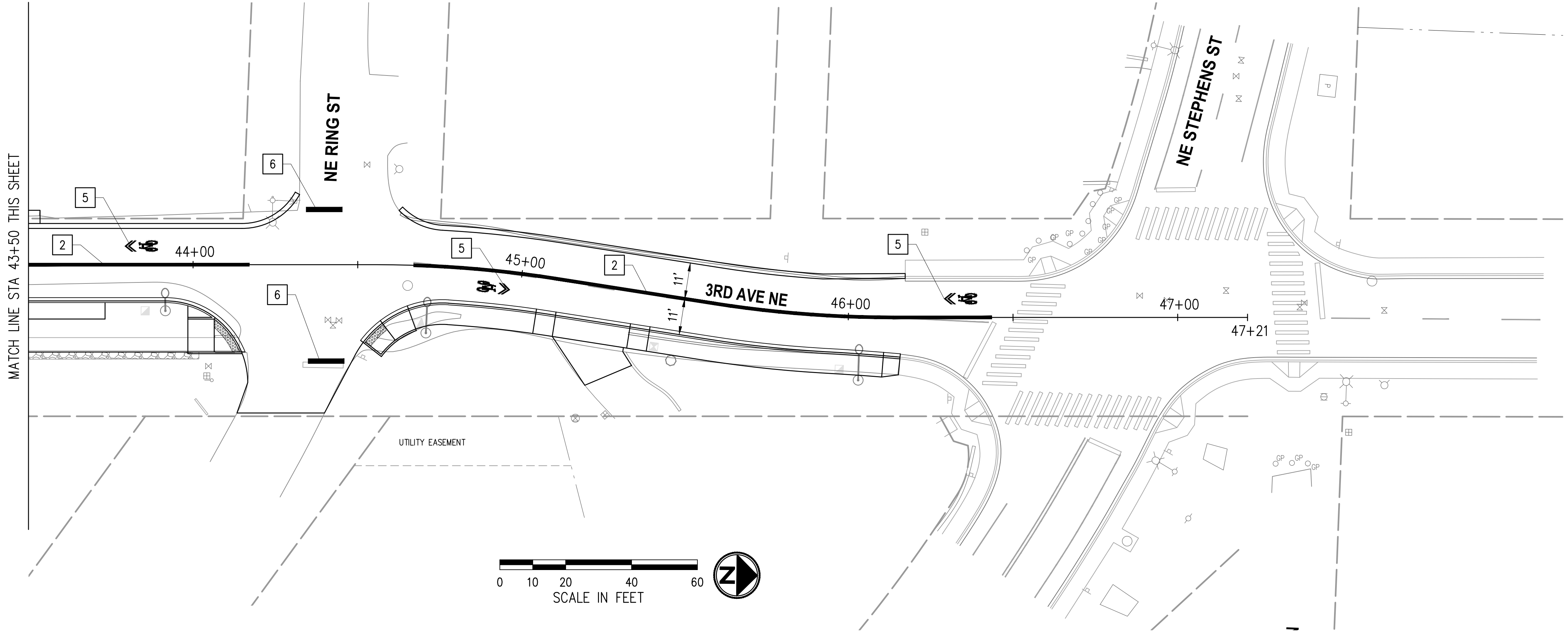
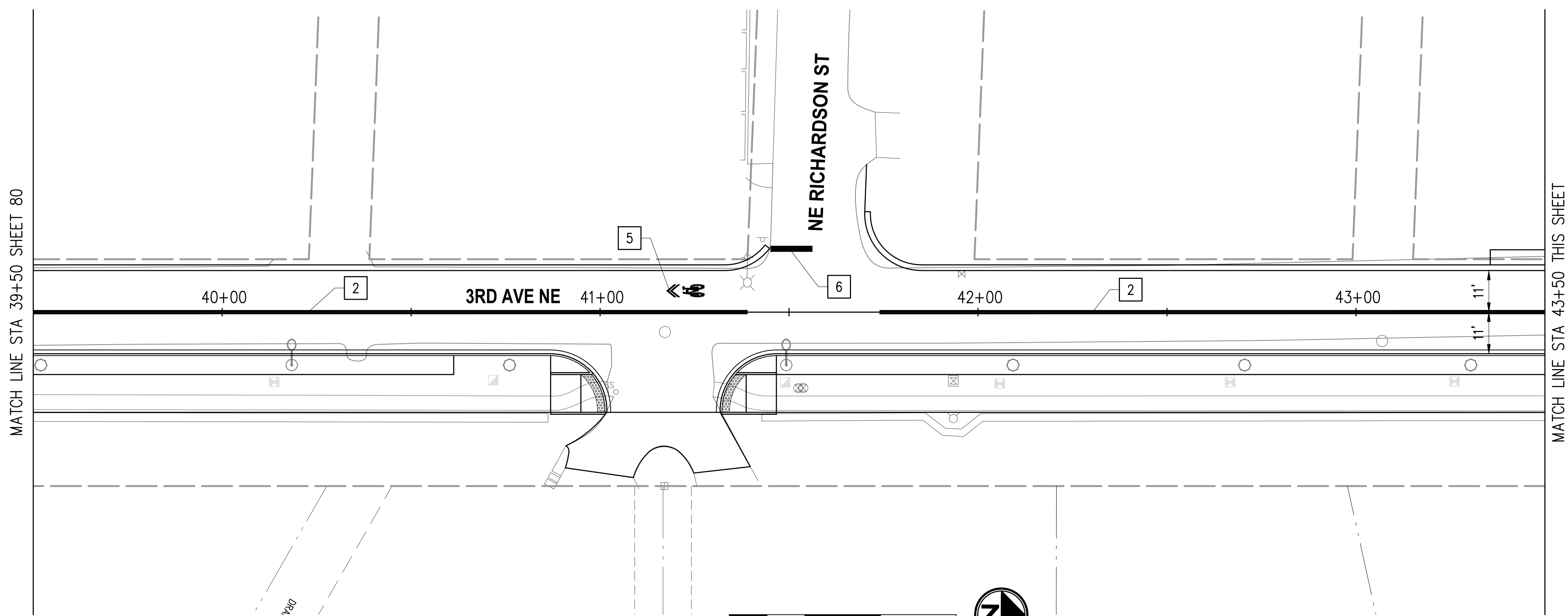
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

CHANNELIZATION & SIGNING PLAN	
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KPG PROJECT No. 21078	SHT <u>80</u> OF <u>82</u>

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**CHANNELIZATION & SIGNING NOTES**

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**CHANNELIZATION NOTES**

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- 4 PLASTIC BICYCLE LANE SYMBOL PER WSDOT STANDARD PLAN M-9.50-02.
- 5 PLASTIC SHARED LANE SYMBOL PER MUTCD FIGURE 9C-9.
- 6 PLASTIC STOP LINE, 24" WHITE.

**LEGEND**

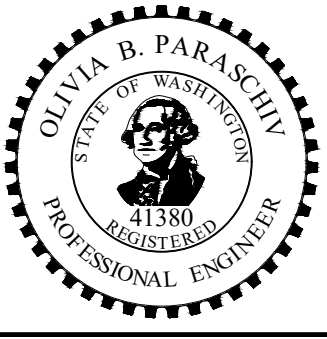
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- PROPOSED SIGN

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

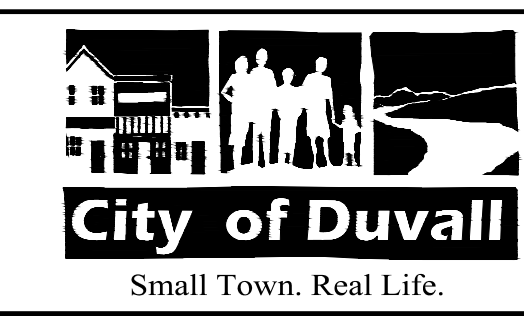
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PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

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 FILENAME  
 JRW DATE 02/2023  
 DESIGNED BY  
 KAB DATE 02/2023  
 DRAWN BY  
 OBP DATE 02/2023  
 CHECKED BY  
 DATE



**KPG PSOMAS**  
 Seattle  
 3131 Elliott Avenue, Suite 400  
 Seattle, WA 98121 206.286.1640  
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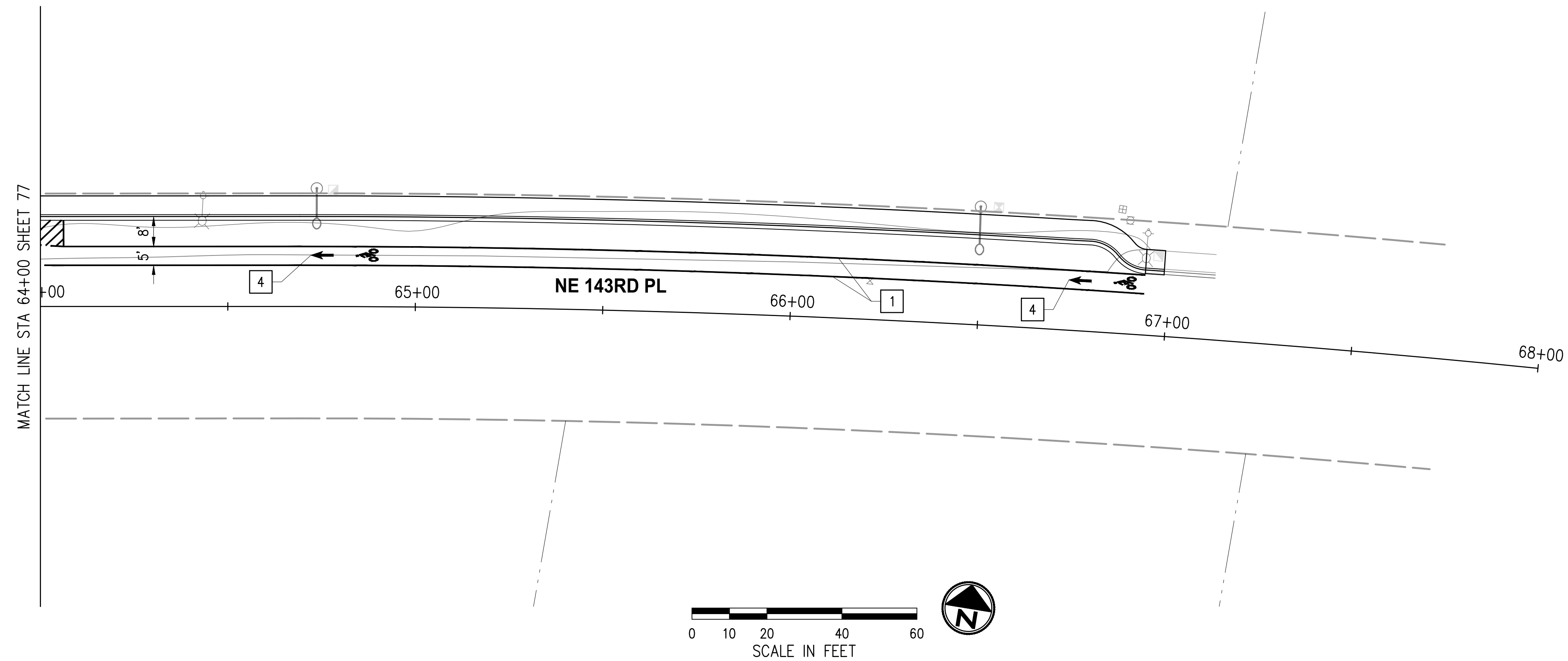
**30% REVIEW SUBMITTAL**



**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

**CHANNELIZATION & SIGNING PLAN**  
 STA 39+50 TO STA 47+21  
 KPG PROJECT No. 21078 SHT 81 OF 82

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**CHANNELIZATION & SIGNING NOTES**

1. REMOVE ALL EXISTING CONFLICTING CHANNELIZATION.
2. ALL PAVEMENT MARKING MATERIAL SHALL CONFORM TO THE "STATE OF WASHINGTON ROAD STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION", LATEST EDITION, UNLESS OTHERWISE MODIFIED IN THE SPECIAL PROVISIONS.
3. ALL STREET SIGNS NOTED FOR RELOCATION SHALL BE INSTALLED WITH NEW POSTS AND POST BASE.
4. STREET SIGNS SHALL BE INSTALLED PER COD STANDARD DRAWING NUMBER 3-050-016 AND 3-050-017.
5. SIGN SCHEDULE WILL BE PROVIDED AT THE NEXT SUBMITTAL.

**CHANNELIZATION NOTES**

- 1 PLASTIC LINE, 4" WHITE EDGE LINE.
- 2 PLASTIC LINE, 4" YELLOW DOUBLE CENTERLINE PER WSDOT STANDARD PLAN M-20.10-04.
- 3 PLASTIC CROSSWALK LINE, 24" WHITE.
- 4 PLASTIC BICYCLE LANE SYMBOL PER WSDOT STANDARD PLAN M-9.50-02.
- 5 PLASTIC SHARED LANE SYMBOL PER MUTCD FIGURE 9C-9.
- 6 PLASTIC STOP LINE, 24" WHITE.

**LEGEND**

- EXISTING SIGN
- PROPOSED SIGN

NO.	DATE	BY	APPR.	REVISIONS

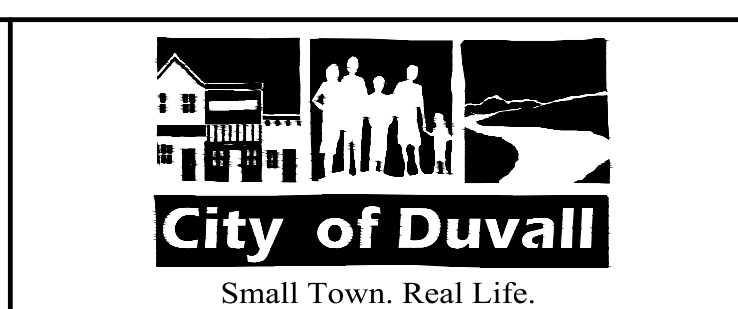
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**CITY OF DUVALL**  
**3RD AVENUE NE RECONSTRUCTION**

CHANNELIZATION & SIGNING PLAN STA 64+00 TO STA 68+00	
KPG PROJECT No. 21078	SHT <u>82</u> OF <u>82</u>