

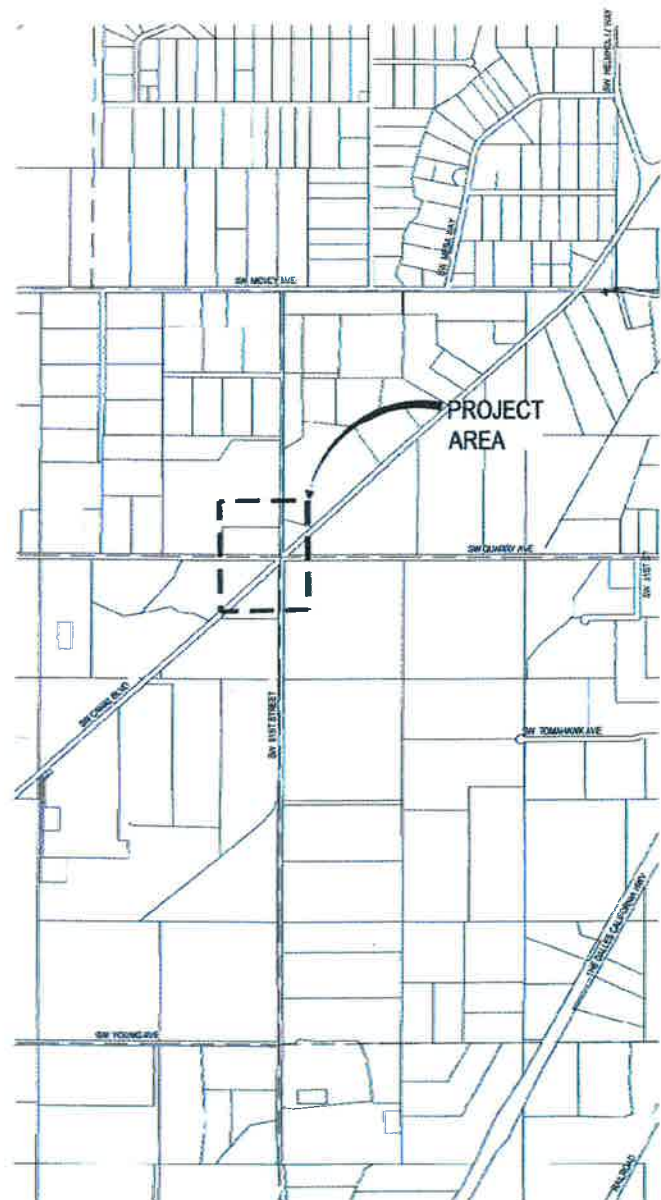
# DESCHUTES COUNTY ROAD DEPARTMENT SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

DESCHUTES COUNTY  
MAY 2019

**OWNER**  
DESCHUTES COUNTY ROAD DEPARTMENT  
6150 SE 27TH  
BEND, OR 97732  
CONTACT: CODY SMITH  
PHONE: (541) 322-7105 (OFFICE)  
EMAIL: CODY.SMITH@deschutes.org

**ENGINEER**  
PARAMETRIX  
150 NW PACIFIC PARK LANE  
BEND, OREGON 97701  
CONTACT: BARRY JOHNSON, P.E.  
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**SURVEYOR**  
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150 NW PACIFIC PARK LANE  
BEND, OR 97701  
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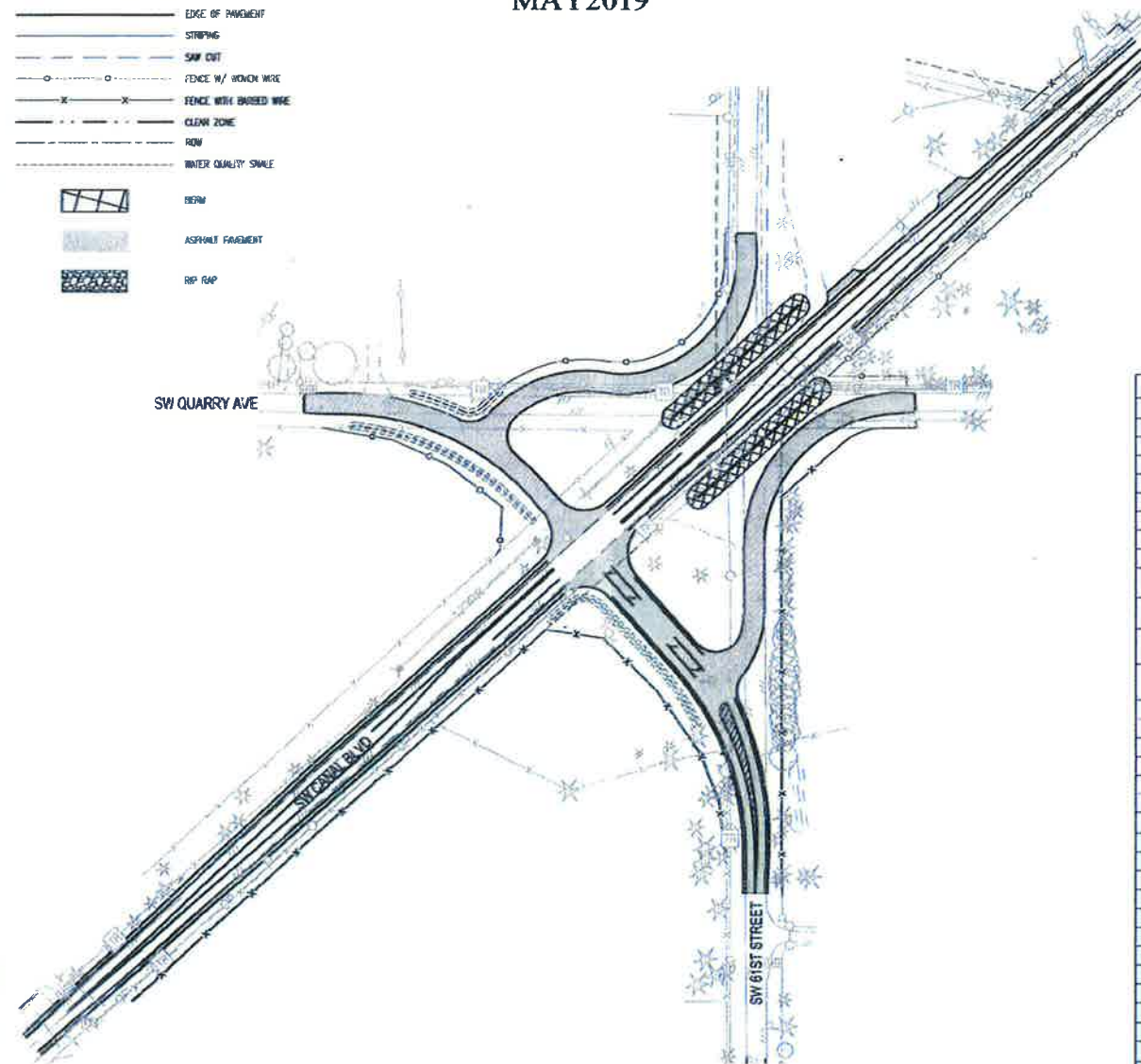
VICINITY MAP  
SCALE: 1" = 2000'

**EXISTING LEGEND:**

- ⊙ FOUND MONUMENT
- ⊙ FOUND REBAR, NO CAP
- ⊙ FOUND REBAR WITH CAP
- ⊙ FOUND IRON PIPE
- △ SET CONTROL POINT (SEE CONTROL TABLE)
- ⊙ CABLE TV REER
- ⊙ TELEPHONE POLE
- ⊙ POWER POLE WITH DROP LINE
- ⊙ POWER POLE WITH DROP LINE & TRANSFORMER
- ⊙ POWER POLE CLAY ANCHOR
- ⊙ TELEPHONE JUNCTION BOX
- ⊙ TELEPHONE REER
- ⊙ WATER METER
- ⊙ WATER VALVE
- ⊙ WATER JUNCTION VALVE
- ⊙ WATER WELL
- ⊙ SIGN, AS NOTED
- ⊙ JUNIPER TREE (TRUNK AND DRIFLINE DIAMETER NOTED)
- ⊙ DECIDUOUS TREE (TRUNK AND CANOPY DIAMETER NOTED)
- FOG LINE STRIPING
- DOUBLE YELLOW STRIPING
- EDGE OF PAVEMENT
- EDGE OF CONCRETE
- EDGE OF GRAVEL
- ROOFS
- CENTERLINE IRRIGATION DITCH
- WOOD FENCE
- BIRD WIRE FENCE
- POWER LOCATE MARKING
- POWER OVERHEAD
- FIBER OPTIC LOCATE MARKING
- TELEPHONE LOCATE MARKING
- IRRIGATION LOCATE MARKING
- RIGHT-OF-WAY LINE
- CENTER LINE RIGHT-OF-WAY
- LOT LINE
- EASEMENT

**PROPOSED LEGEND:**

- EDGE OF PAVEMENT
- STRIPING
- SAW CUT
- FENCE W/ WOOD WIRE
- FENCE WITH BARBED WIRE
- CLEAN ZONE
- ROW
- WATER QUALITY SWALE
- ▨ ASPHALT PAVEMENT
- ▨ RIP RAP



**INTERSECTION IMPROVEMENTS**

AREA MAP  
1"=100'



**BASIS OF BEARING**

BASED ON THE OREGON REAL-TIME GPS NETWORK (ORGN)

**DATUM**

HORIZONTAL: NAD83 (2011) BASED ON OREGON REAL-TIME GPS NETWORK (ORGN)

VERTICAL: NGVD 29

PROJECTION IS CENTRAL OREGON COORDINATE SYSTEM (C.O.C.S), INTERNATIONAL FEET

**BENCHMARK**

BENCH MARK FOR THIS PROJECT IS POINT 1052, BEING FOUND 3/4 INCH ROD WITH PLASTIC CAP MARKED PARAMETRIX CONTROL

SHEET LIST TABLE	
SHEET #	SHEET TITLE
C1.0	COVER SHEET
C1.1	PROJECT DETAILS
C2.0	TYPICAL SECTIONS
C3.0	EXISTING CONDITIONS
C3.1	EXISTING CONDITIONS
C3.2	EXISTING CONDITIONS
C4.0	PLAN & PROFILE, SW CANAL BLVD
C4.1	PLAN & PROFILE, SW CANAL BLVD
C4.2	PLAN & PROFILE, SW QUARRY WEST SECTION AVE TO SW 61ST STREET NORTH SECTION
C4.3	PLAN & PROFILE, SW 61ST STREET SOUTH SECTION TO SW QUARRY AVE EAST SECTION
C4.4	PLAN & PROFILE, SW 61ST STREET NORTH SECTION TO SW QUARRY AVE WEST SECTION
C4.5	PLAN & PROFILE, SW QUARRY AVE EAST SECTION TO SW 61ST STREET SOUTH SECTION
C5.0	CONSTRUCTION STAGING, STAGE 1
C5.1	CONSTRUCTION STAGING, STAGE 2
C5.2	CONSTRUCTION STAGING, STAGE 3
C5.3	CONSTRUCTION STAGING, STAGE 4
C5.4	CONSTRUCTION STAGING, STAGE 5
C5.5	CONSTRUCTION STAGING, STAGE 6
C5.6	CONSTRUCTION STAGING, STAGE 6
SS1	LEGEND
SS2	EXISTING SIGN DETAILS
SS3	PROPOSED SIGN DETAILS
SS4	SIGN AND POST DATA TABLE
SS5	SIGN AND POST DATA TABLE
SS6	SIGNING AND STRIPING PLAN CANAL BLVD
SS7	SIGNING AND STRIPING PLAN CANAL BLVD
SS8	SIGNING AND STRIPING PLAN CANAL BLVD
SS9	SIGNING AND STRIPING PLAN QUARRY AVE
SS10	SIGNING AND STRIPING PLAN 61ST ST
SS11	SIGNING AND STRIPING PLAN SW QUARRY AVE
SS12	DETOUR PLAN-STAGE 2
SS13	DETOUR PLAN-STAGE 3 & 5
SS14	DETOUR PLAN-STAGE 4
IL1	LEGEND
IL2	LIGHTING PLAN

**GENERAL NOTES:**

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED IN THIS CONTRACTS SPECIAL PROVISIONS, BE CONSTRUCTED IN ACCORDANCE WITH THE OREGON STATE "OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION," REVISED 2018

EXISTING UNDERGROUND UTILITIES ARE SHOWN AS PER FIELD LOCATION AND OR AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. LOCATES CAN BE REQUESTED THRU THE ONE CALL CENTER AT 811

ATTENTION: OREGON LAW REQUIRES THAT YOU FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN O.A.R. 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503-232-1987

IT IS THE CONTRACTORS RESPONSIBILITY TO RE-ESTABLISH, PER OREGON REVISED STATUTES, ALL SURVEY MONUMENTS DISTURBED OR DESTROYED BY THIS WORK. THIS INCLUDES MONUMENTS NOT SHOWN IN THESE PLANS, WHICH ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ELEVATIONS OF SIDE SHOT MONUMENTS FOR USE AS TEMPORARY BENCH MARKS AND SET TEMPORARY BENCH MARKS OR ADDITIONAL HORIZONTAL CONTROL AS NEEDED.

UPON AWARD OF THE CONTRACT, PARAMETRIX WILL PROVIDE THE CONTRACTOR WITH AN "ASCI" POINT FILE CONTAINING ALL CONTROL POINTS ALONG WITH ALIGNMENT CENTER LINE POINTS AT 50' STATIONS.

LAYOUT: DLG COVER SHEET PLOT: U:\Projects\2019\05\03\2019\_05\_03\_09\09H\_Design\_Planes\09H\_Cover\_Sheet\09H\_Cover\_Sheet.dwg PLOTTED BY: moady DATE: Friday, May 3, 2019 11:23:10 AM

REVISIONS	DATE	BY	DESIGNED OR DRAWN DR/LYF

ONE INCH AT FULL SCALE, IF NOT SCALE ACCORDINGLY  
FILE NAME: DE-2509-005.3-C1.0-CS00  
JOB No.  
DATE



**Parametrix**  
ENGINEERING PLANNING ENVIRONMENTAL SCIENCES  
150 NW PACIFIC PARK LANE, SUITE 110 | BEND, OR 97701  
P 541.508.7710  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

**COVER SHEET**

DRAWING NO.  
1 OF 35  
**C1.0**

DESCHUTES COUNTY APPROVAL:  
*[Signature]* 5-6-19 COUNTY ENGINEER  
COUNTY ENGINEER

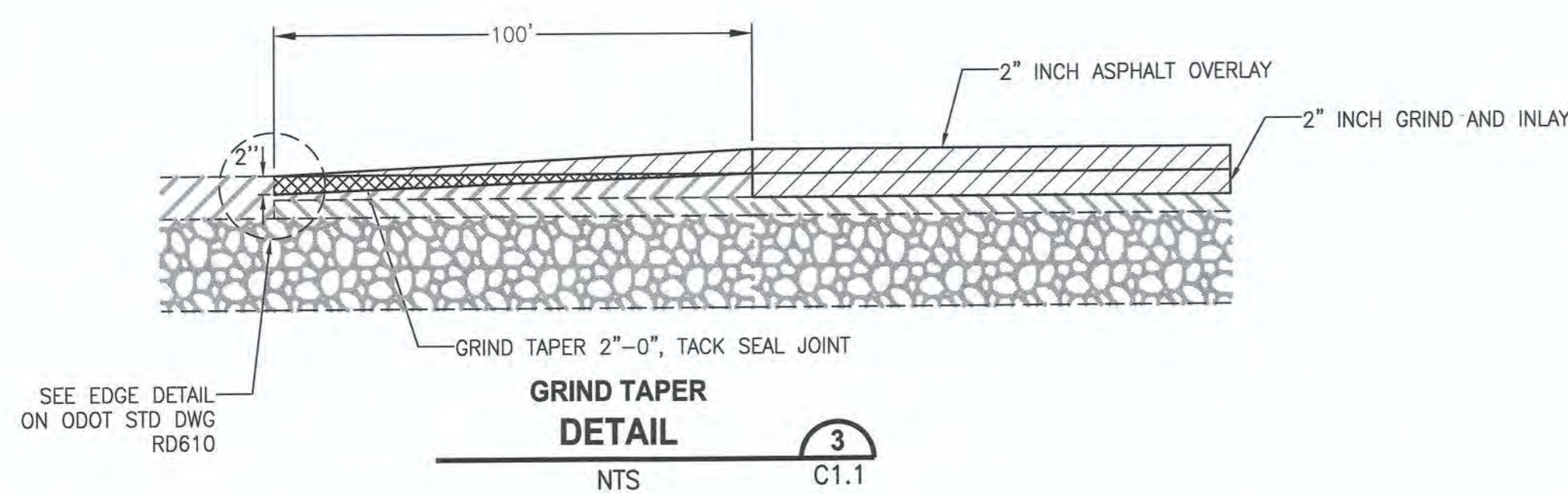
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 PLOTTED BY: rccodov DATE: Friday, May 3, 2019 11:23:25 AM  
 LAYOUT: C1.1 PROJECT DETAILS

FOUND MONUMENTS TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1156	441383.80	3309127.14	3156.92	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING
1157	441671.82	3310409.63	3150.56	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING UP 0.9
1158	441751.38	3310468.90	3150.43	5/8 INCH IRON ROD WITH YELLOW PLASTIC CAP MARKED BAXTER SURVEYING
1260	441341.21	3310439.58	3152.06	FOUND 2-1/2IN BRASS CAP
1261	44112.48	3310415.28	3151.81	FOUND 1IN IRON PIPE WITH YELLOW PLASTIC CAP MARKED PLS 1952 UP 0.1
1262	440653.93	3310415.82	3152.85	FOUND 3/4IN IRON PIPE WITH PLASTIC CAP ILLEGIBLE UP 0.1
1263	440021.51	3310416.64	3151.78	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1264	440021.54	3310467.80	3151.67	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED PLS 1632 UP 0.1
1265	441314.83	3311462.33	3144.02	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP PARTIALLY DESTROYED ILLEGIBLE FLUSH
1266	441346.02	3311760.53	3140.14	FOUND 5/8IN IRON ROD REMENANT PORTION OF YELLOW PLASTIC CAP ILLEGIBLE
1267	441350.65	3313081.36	3123.94	FOUND 3-1/4IN BRASS CAP IN MON BOX
1268	441671.59	3310414.11	3150.39	FOUND 1IN IRON PIPE UP 0.6
1269	442661.86	3310439.75	3148.22	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP ILLEGIBLE FLUSH
1270	442661.77	3310408.72	3148.78	FOUND 5/8IN IRON ROD WITH BROKEN YELLOW PLASTIC CAP ILLEGIBLE DOWN 0.4
1271	442612.14	3310409.67	3148.91	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING FLUSH
1272	442523.10	3310462.22	3148.79	FOUND 1/2IN IRON ROD UP 0.2
1273	442822.56	3310463.31	3146.88	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED BAXTER SURVEYING FLUSH
1274	444259.80	3310439.69	3124.57	FOUND 3-1/4IN BRASS CAP
1275	443962.58	3310439.80	3128.06	FOUND 3-1/4IN ALUMINUM CAP
1276	441377.29	3309783.44	3154.65	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING UP 0.4
1277	441347.33	3309783.38	3154.87	FOUND 1IN IRON PIPE BELOW CHIP SEAL
1278	441383.54	3309127.18	3156.88	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING UP 0.4
1279	441353.49	3309127.14	3156.71	FOUND 1IN IRON PIPE BELOW CHIP SEAL
1280	441365.80	3307814.68	3164.33	FOUND 3-1/4IN BRASS CAP
1281	443330.48	3312612.27	3137.45	FOUND 1IN IRON PIPE UP 0.4
1282	442733.80	3311945.41	3143.35	FOUND 1/2IN IRON ROD UP 0.3
1283	442346.69	3311513.65	3145.63	FOUND 1IN IRON PIPE UP 0.1
1284	441673.27	3310762.63	3149.93	FOUND 1IN IRON PIPE UP 0.9
1285	441169.43	3310287.48	3151.91	FOUND 1IN IRON PIPE BENT TIED POE
1286	440653.14	3309709.45	3154.32	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1287	440131.02	3309125.03	3152.81	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1288	440033.43	3309125.02	3152.26	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1289	440035.49	3309017.77	3151.39	FOUND 5/8IN IRON ROD BENT TIED POE
1290	441350.88	3310445.19	3152.02	1-1/4 STEEL BAR
536870914	436108.31	3305174.95	3174.80	
536870915	436061.79	3310432.48	3177.34	
536870916	433426.42	3310418.75	3194.95	

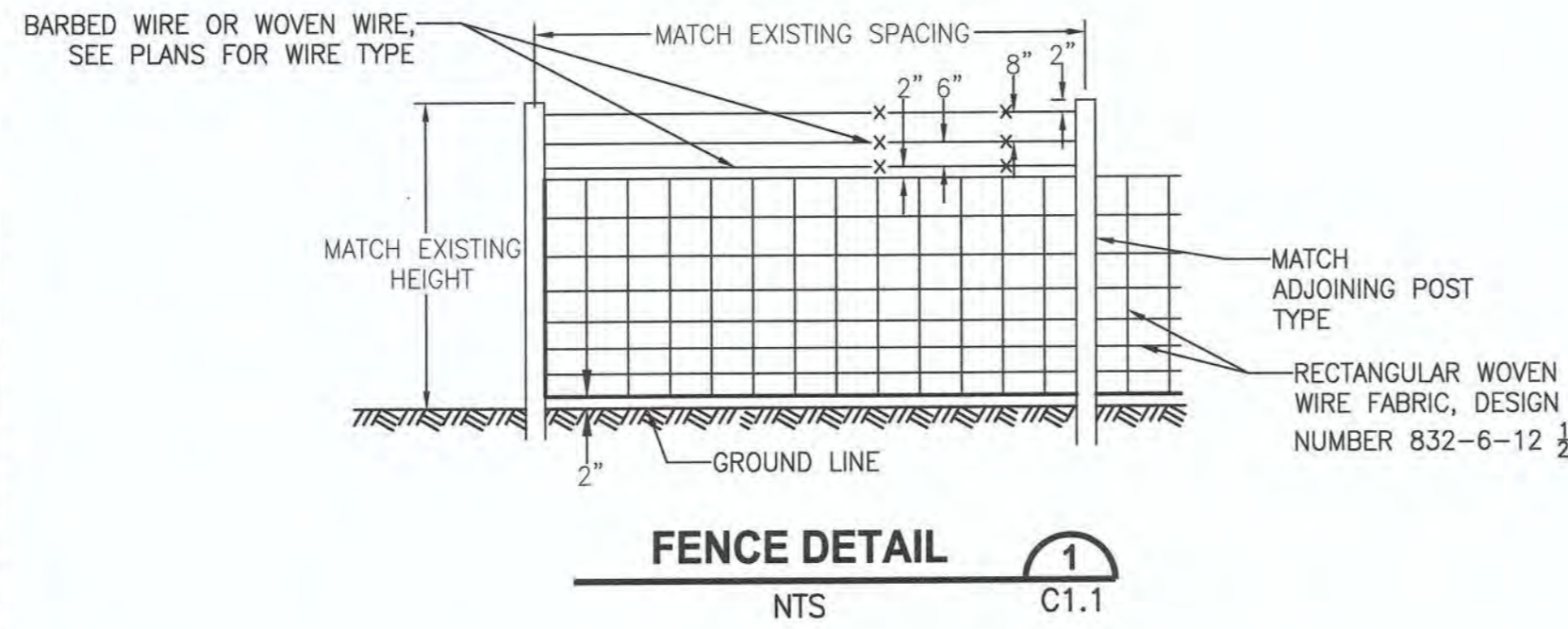
**FOUND MONUMENTS**  
N.T.S.

PARAMETRIX CONTROL TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1036	441857.17	3311045.33	3146.27	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1037	440656.66	3309708.42	3154.61	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1038	440644.27	3310466.09	3152.00	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1039	440751.99	3309815.18	3154.46	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1050	441027.89	3310043.33	3151.97	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1051	441353.22	3310133.86	3152.06	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1052	441781.82	3310419.24	3149.97	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1053	441322.78	3310590.83	3151.28	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1054	441260.08	3310412.84	3150.60	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1055	441614.25	3310704.75	3149.15	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL

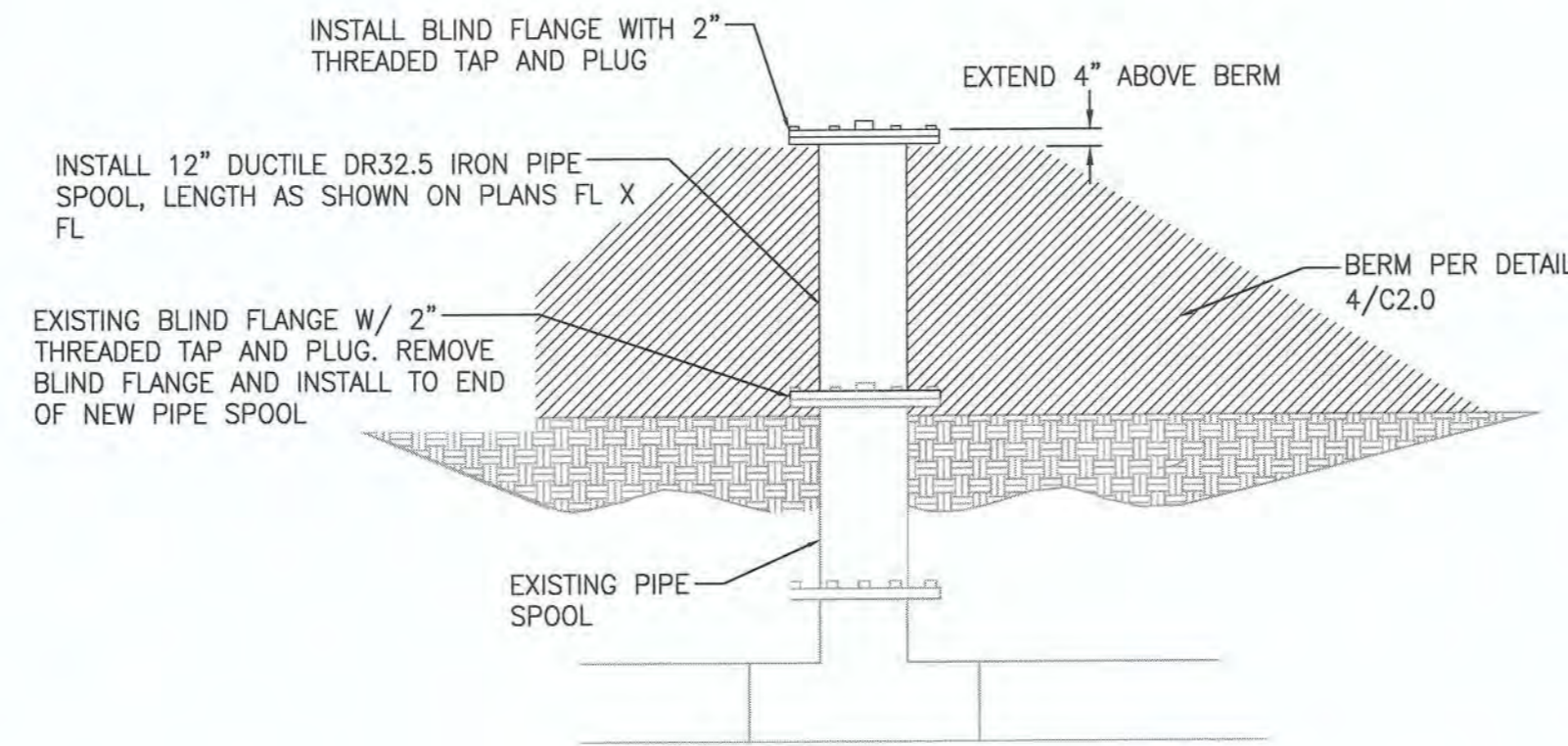
**CONTROL TABLE**  
N.T.S.



**GRIND TAPER DETAIL**  
N.T.S. C1.1



**FENCE DETAIL**  
N.T.S. C1.1

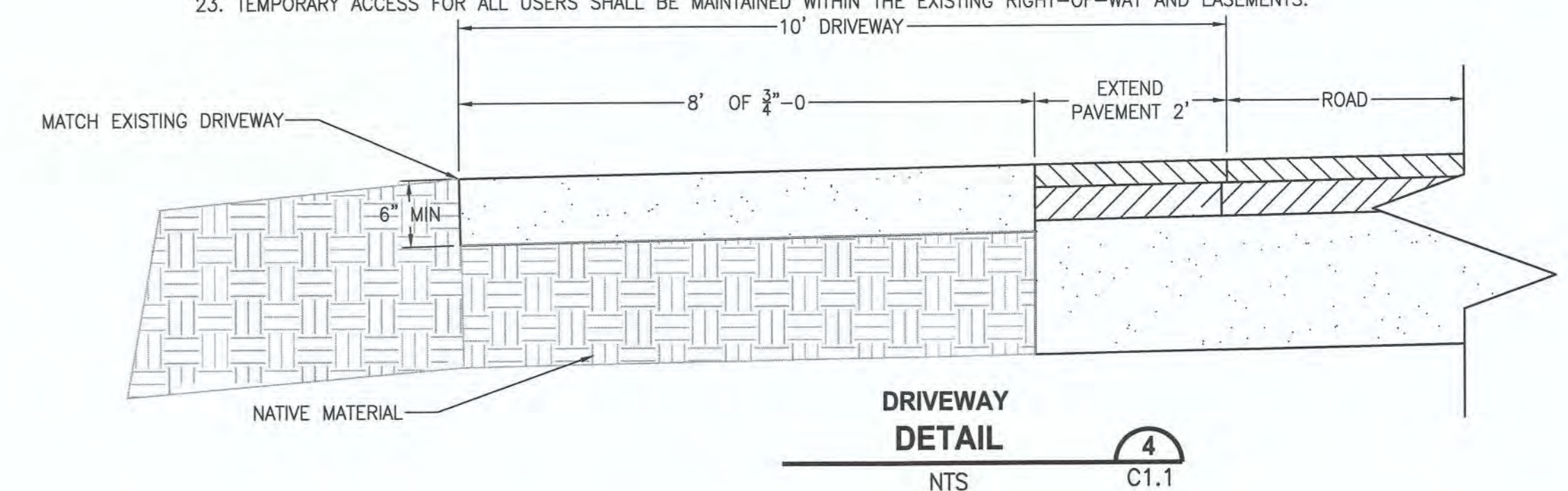


**CLEANOUT EXTENSION DETAIL**  
N.T.S. C1.1

ODOT STD DWG INDEX	
RD 100	MAILBOX SUPPORT
RD 610	ASPHALT CONCRETE PAVEMENT (ACP) DETAILS
RD 810	BARBED AND WOVEN WIRE FENCE
TM 200	SIGN INSTALLATION DETAILS
TM 201	MISCELLANEOUS SIGN PLACEMENT DETAILS
TM 500	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM 501	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM 503	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM 530	INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR & BIKE LANE STENCIL)
TM 531	TURN ARROW MARKING DETAILS
TM 539	MEDIAN AND LEFT TURN CHANNELIZATION DETAILS
TM 560	ALIGNMENT LAYOUT: GENERAL
TM 561	ALIGNMENT LAYOUT: LEFT TURN LANE, CENTERLINE, & MEDIANS
TM 671	3 SECOND GUST WIND SPEED MAP
TM 676	SIGN ATTACHMENTS
TM 681	PERFORATED STEEL SQUARE TUBE (PSST) SIGN SUPPORT INSTALLATION
TM 688	SECONDARY SIGN MOUNTING DETAILS
TM 800	TABLES, ABRUPT EDGE AND PCMS DETAILS
TM 820	TEMPORARY BARRICADES
TM 821	TEMPORARY BARRICADES
TM 822	TEMPORARY BARRICADES
TM 840	CLOSURE DETAILS
TM 841	INTERSECTION WORK ZONE DETAILS
TM 850	2-LANE, 2-WAY ROADWAYS

**CONSTRUCTION NOTES:**

- NO CONSTRUCTION SHALL BE STARTED WITHOUT A NOTICE TO PROCEED BY THE DESCHUTES COUNTY ROAD DEPARTMENT. THE COUNTY ROAD DEPARTMENT AND THE DESIGN ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. ANY CONSTRUCTION WORK DONE PRIOR TO NOTICE TO PROCEED BEING ISSUED OR WITHOUT INSPECTION WILL BE REJECTED.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE JOB SITE INCLUDING BUT NOT LIMITED TO, ALL DIMENSIONS, GRADES, ELEVATIONS, EXTENT AND COMPATIBILITY TO THE EXISTING SITE CONDITIONS, AND WITH THE WORK DESCRIBED ON THE ENGINEER'S DRAWINGS. ANY DISCREPANCIES OR UNEXPECTED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR SHALL NOT PROCEED WITH ANY OF THE WORK IN THE AREA OF DISCREPANCIES UNTIL ALL SUCH DISCREPANCIES ARE RESOLVED. IF THE CONTRACTOR CHOOSES TO DO SO, THEN IT IS UNDERSTOOD THAT THE CONTRACTOR IS CHOOSING TO PROCEED AT THE CONTRACTOR'S OWN RISK AND SHALL INCUR ALL COSTS, IF ANY TO RESOLVE THE ISSUES TO THE SATISFACTION OF THE ENGINEER.
- ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO COUNTY STANDARDS AND SPECIFICATIONS, 2018 OREGON STANDARD DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION, AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT 1-800-332-2344, PRIOR TO THE START OF CONSTRUCTION, TO LOCATE POWER, GAS, CABLE TV AND TELEPHONE UNDERGROUND FACILITIES. THE ONE CALL CENTER BUSINESS HOURS ARE 8:00 A.M. TO 5:00 P.M. ANY LOCATE REQUESTS PLACED AFTER 5:00 P.M., WILL BE TREATED AS IF THEY WERE SUBMITTED AT 8:00 A.M. THE FOLLOWING BUSINESS MORNING. THE 2 BUSINESS-DAY (48 BUSINESS HOURS) WAITING PERIOD BEGINS AT THAT TIME. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.
- ALL UTILITIES SHOWN ARE ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. NO POT-HOLING TO VERIFY LOCATIONS AND ELEVATIONS WAS AUTHORIZED BY THE OWNER. THE CONTRACTOR HAS THE TOTAL RESPONSIBILITY TO VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND TO NOTIFY THE UTILITY COMPANIES WHEN WORKING IN THEIR PROXIMITY. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)232-2987.
- ALL UTILITY SERVICES WILL BE FIELD STAKED IN ACCORDANCE WITH DESCHUTES COUNTY STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND IMPROVEMENTS.
- ANY DAMAGE TO EXISTING FACILITIES OR IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND/OR MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH DESCHUTES COUNTY STANDARDS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND/OR OPERATIONAL SYSTEMS.
- DURING THE COURSE OF THE WORK, CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE COUNTY.
- ALL TRENCH BACKFILL OR EMBANKMENTS WITHIN PUBLIC WAYS AND AREAS OUTSIDE OF PAVING SHALL BE CONSTRUCTED TO DESCHUTES COUNTY STANDARDS AND SPECIFICATIONS AND THE 2018 OREGON STANDARDS FOR CONSTRUCTION.
- CONTRACTOR SHALL RESTRICT ALL OPERATIONS TO THE AREAS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO NATIVE LANDSCAPES, OUTSIDE OF THE PROJECT AREA, SHALL BE RESTORED AT NO COST TO THE OWNER.
- CABLE AND GAS UTILITY TRENCHING SHALL BE COMPLETED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS FROM APPLICABLE UTILITY COMPANIES. ALL CABLE AND GAS UTILITIES WILL BE INSTALLED BY THE APPLICABLE UTILITY COMPANY IN CONFORMANCE WITH THEIR JOINT TRENCH DETAIL. CONTRACTOR SHALL COORDINATE TRENCH EXCAVATIONS, BEDDING AND BACKFILL WITH POWER, PHONE, TELEVISION, AND GAS REPRESENTATIVES.
- ALL GRADING SHALL BE IN CONFORMANCE WITH THE CURRENT COUNTY STANDARDS.
- ALL FINAL CUT SLOPES SHALL NOT EXCEED A GRADE OF 2 HORIZONTAL TO 1 VERTICAL UNLESS OTHERWISE APPROVED. FILL SLOPES SHALL NOT EXCEED A GRADE OF 2 HORIZONTAL TO 1 VERTICAL UNLESS OTHERWISE APPROVED BY THE ENGINEER OR SHOWN ON THESE PLANS.
- ALL UNSUITABLE SOILS MATERIALS, RUBBISH AND DEBRIS RESULTING FROM GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF PROPERLY.
- THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE INDUSTRIAL SAFETY REGULATIONS. DESCHUTES COUNTY AND THEIR OFFICIALS, THE ENGINEER, AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
- MATERIAL QUANTITIES USED, NOTED, OR PROVIDED IN A SEPARATE ITEMIZED QUANTITY TAKE-OFF ARE AN ENGINEER'S OPINION OF PROBABLE MATERIAL REQUIREMENTS, AND IS AN ESTIMATE ONLY. CONTRACTORS HAVE THE SOLE RESPONSIBILITY OF MAKING THEIR OWN QUANTITY TAKE-OFF AND COST ESTIMATE.
- BIDDERS SHALL BE PREQUALIFIED WITH THE STATE OF OREGON IN ACCORDANCE WITH ORS 279C.430-279C.450 AND DESCHUTES COUNTY CODE 12.52.020.
- COUNTY ROAD DEPARTMENT'S SIGNATURE DOES NOT CONSTITUTE APPROVAL OF FACILITIES PROPOSED ON PRIVATE PROPERTY.
- ANY WORK WITHIN EXISTING PUBLIC RIGHT-OF-WAY OR DEDICATED EASEMENTS REQUIRES A PERMIT TO WORK IN THE PUBLIC RIGHT-OF-WAY OBTAINED FROM DESCHUTES COUNTY. WORK WITHIN THE RIGHT-OF-WAY OR EASEMENTS MAY OCCUR ONLY BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM, UNLESS OTHERWISE PERMITTED. ANY AND EVERY CALENDAR DAY EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS.
- TEMPORARY ACCESS FOR ALL USERS SHALL BE MAINTAINED WITHIN THE EXISTING RIGHT-OF-WAY AND EASEMENTS.



**DRIVEWAY DETAIL**  
N.T.S. C1.1

REVISIONS	DATE	BY	DESIGNED DR

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.  
 FILE NAME: BE-2509-005.3-C1.1-NT00  
 JOB No. \_\_\_\_\_  
 DATE \_\_\_\_\_



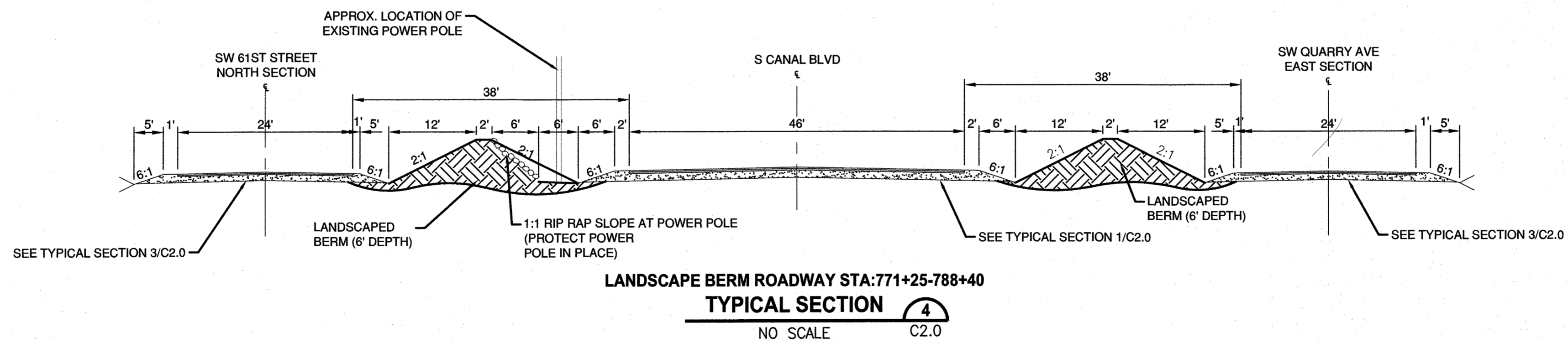
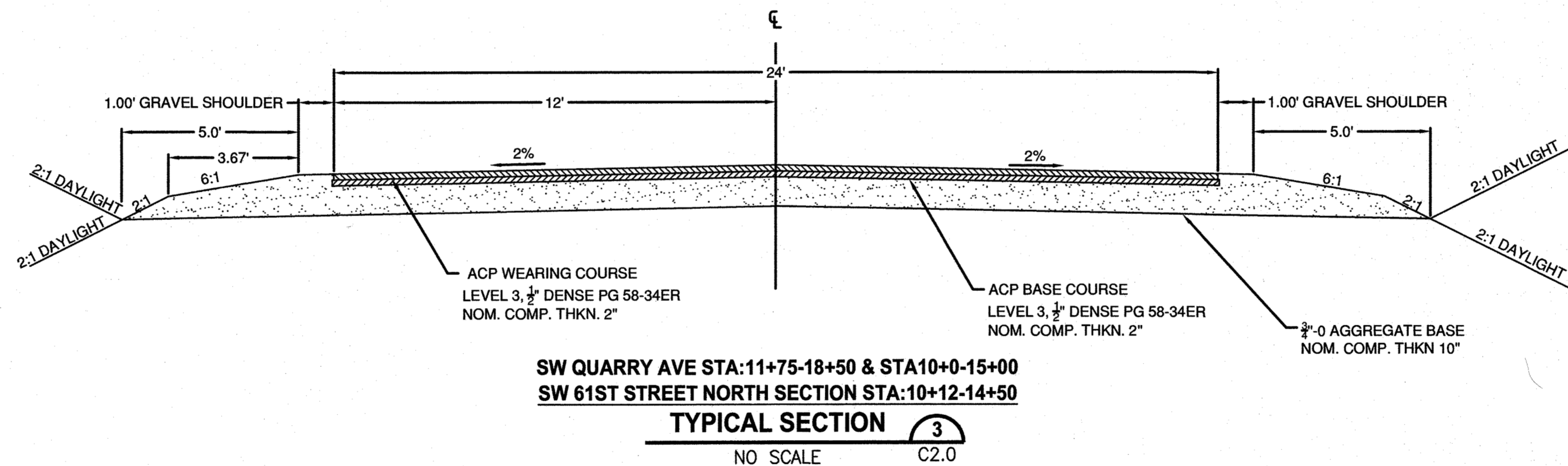
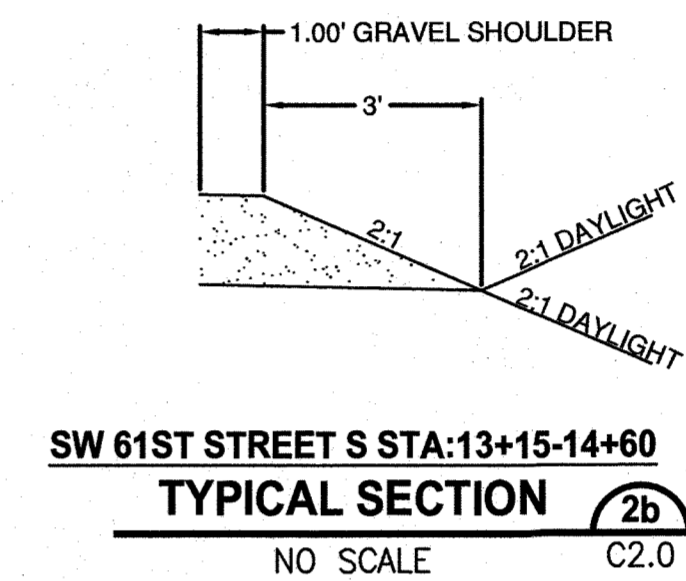
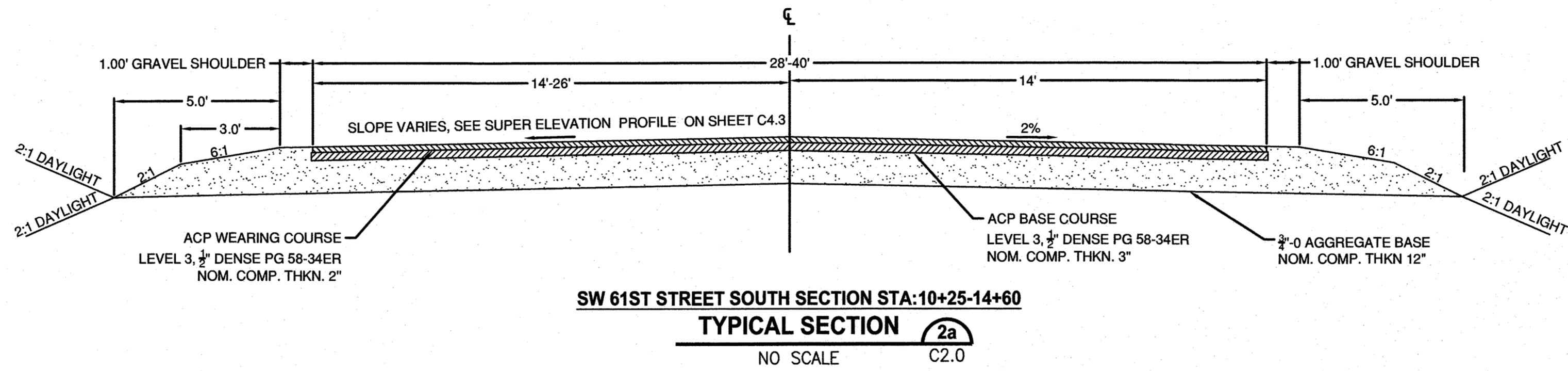
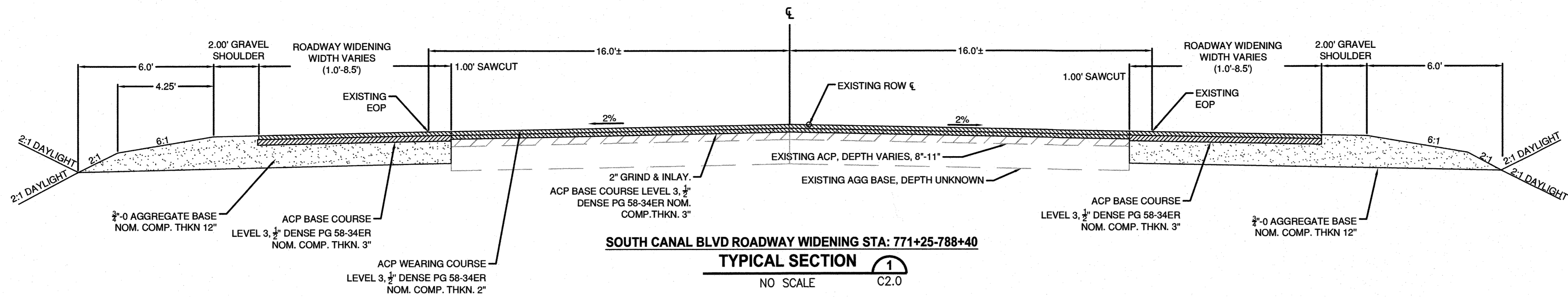
**Parametrix**  
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 150 NW PACIFIC PARK LANE, SUITE 110 | BEND, OR 97701  
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**PROJECT DETAILS**

DRAWING NO.  
 2 OF 35  
**C1.1**

LAYOUT: C2.0 TYPICAL SECTIONS    PATH: U:\Bent\Projects\Clients\2509--Deschutes County\297--2509--005 OBRH Design Phase\985\swca\cadd\dwg\SIX-CORNERS\C2.0  
 PLOTTED BY: ricedev    DATE: Friday, May 3, 2019 11:41:02 AM



REVISIONS	DATE	BY	DESIGNED
			DR
			DR/LYF
			CHECKED
			APPROVED

**ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY**  
 FILE NAME: BE-2509-005.3-C2.0-TS00  
 JOB No. \_\_\_\_\_  
 DATE \_\_\_\_\_



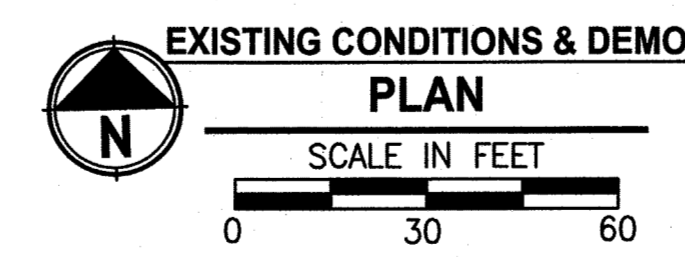
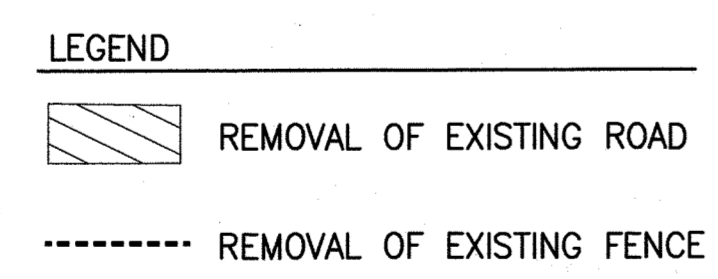
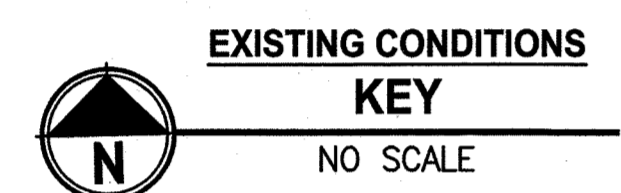
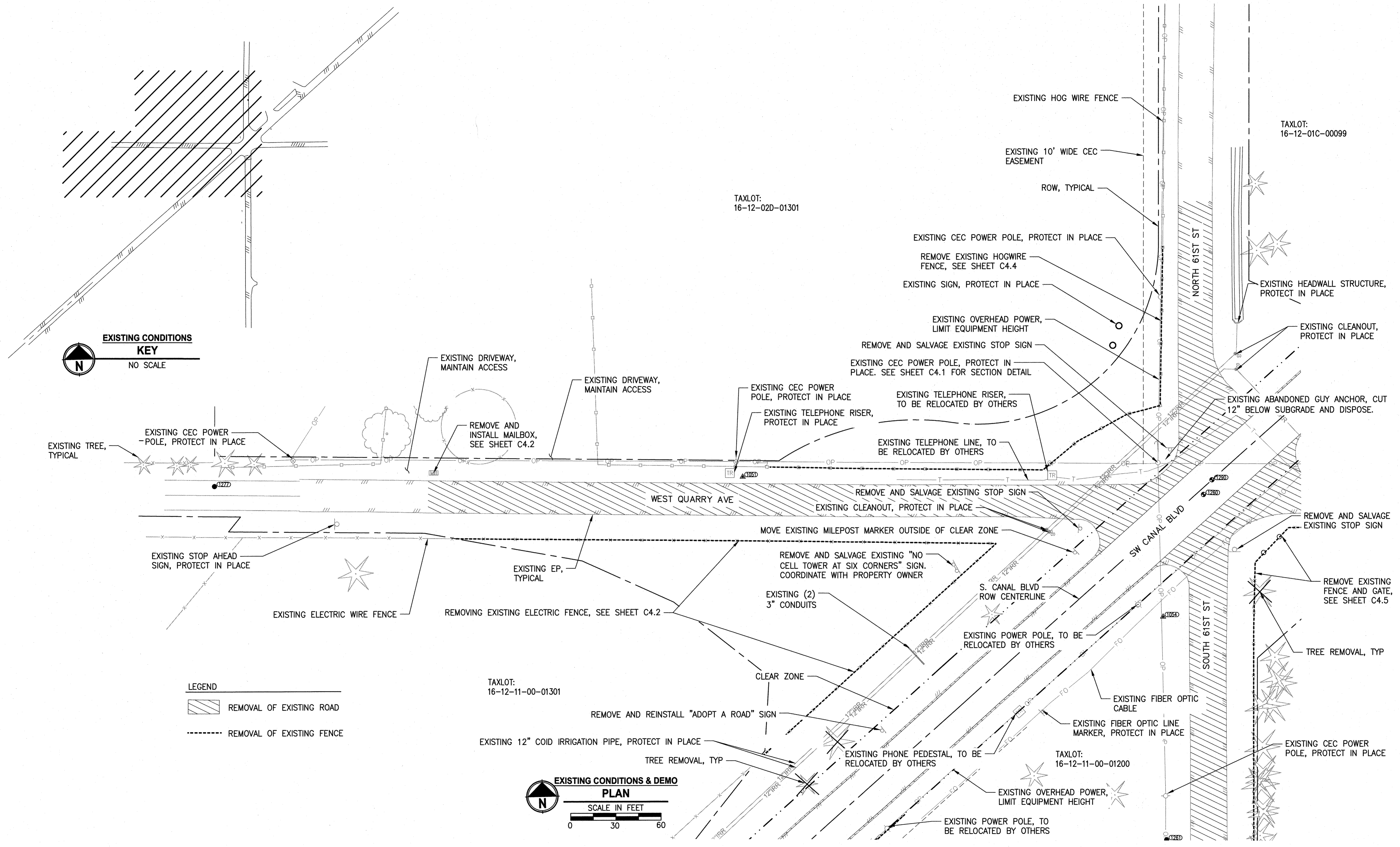
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**TYPICAL SECTIONS**

DRAWING NO.  
 3 OF 35  
**C2.0**

LAYOUT: C3.0 EXISTING CONDITIONS  
 PATH: U:\Bent\Projects\Clients\2509-Deschutes County\237-2509-005 GRPH Design Phase\995\cadd\DWG\SIX-CORNERS\C3.0  
 PLOTTED BY: ricedev DATE: Friday, May 3, 2019 11:23:48 AM



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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**EXISTING CONDITIONS**

DRAWING NO.  
4 OF 35  
**C3.0**

REVISIONS	DATE	BY	DESIGNED
			DR
			DR / LYF
			CHECKED
			APPROVED

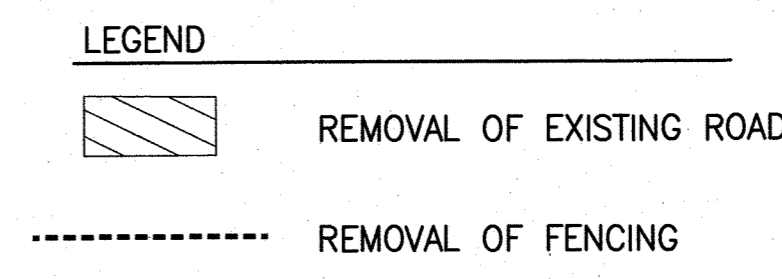
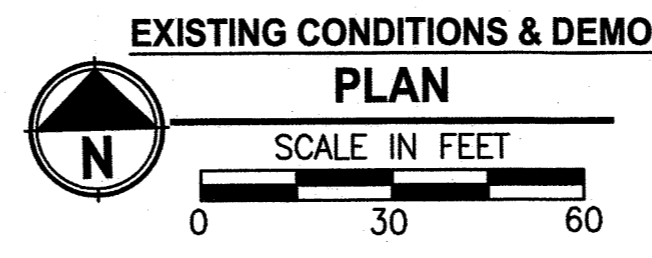
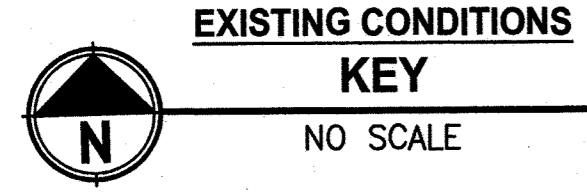
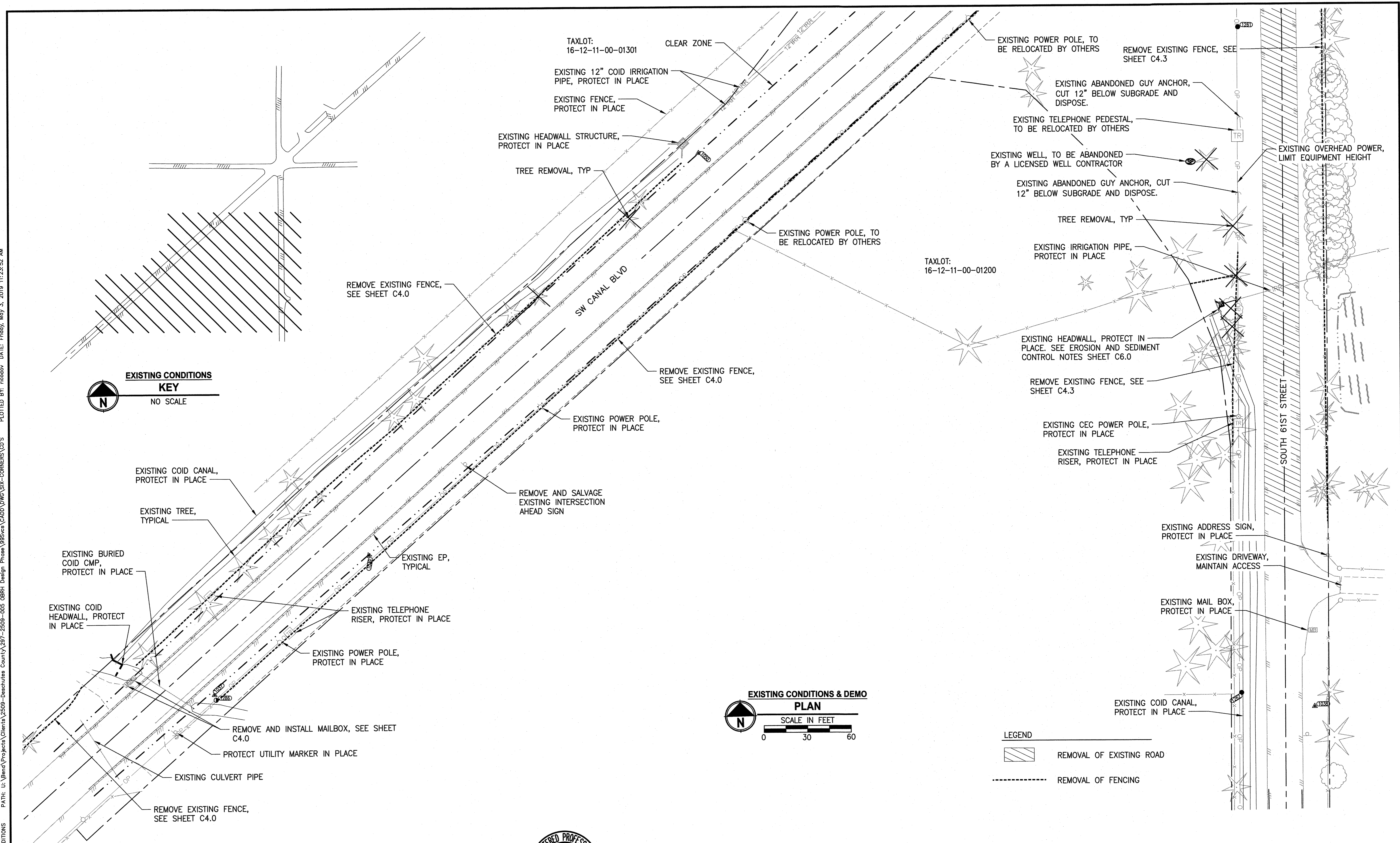
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FILE NAME  
BF-2509-005.3-C3.0-EC00

JOB No.

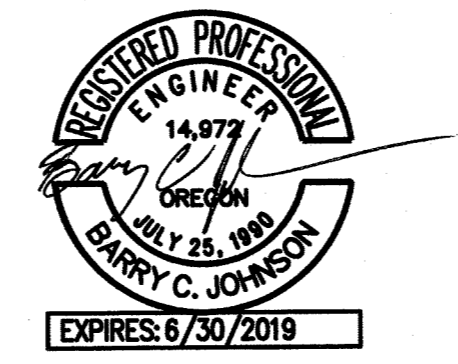
DATE

LAYOUT: C3.1 EXISTING CONDITIONS    PATH: U:\Bent\Projects\Claris\2509-005-DBRH Design Phase\985\es\cadd\dwg\16-CORNERS\C03'S    PLOTTED BY: fcedov    DATE: Friday, May 3, 2019 11:23:52 AM



REVISIONS	DATE	BY	DESIGNED DR

**ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY**  
 FILE NAME: BE-2509-005.3-C3.0-EC00  
 JOB No.    DATE



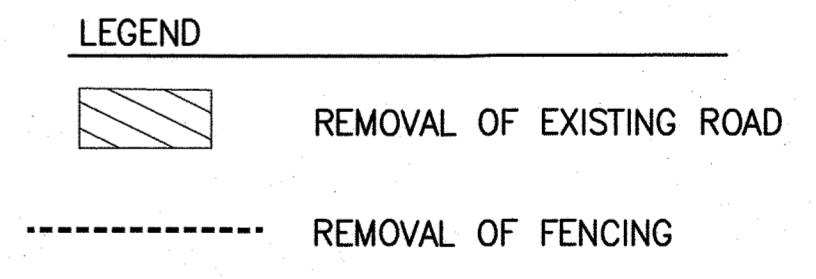
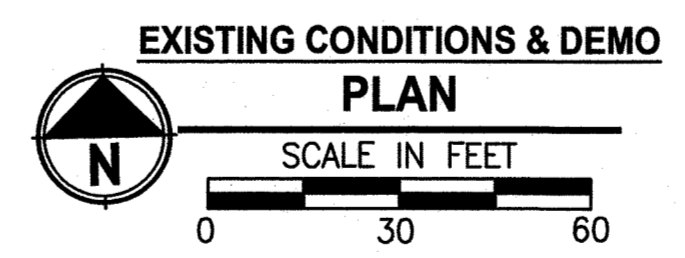
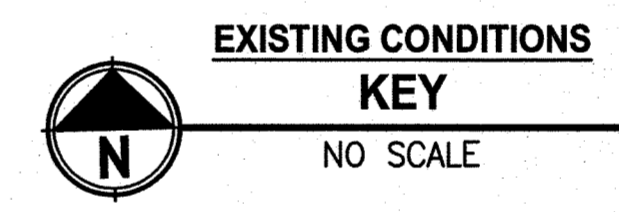
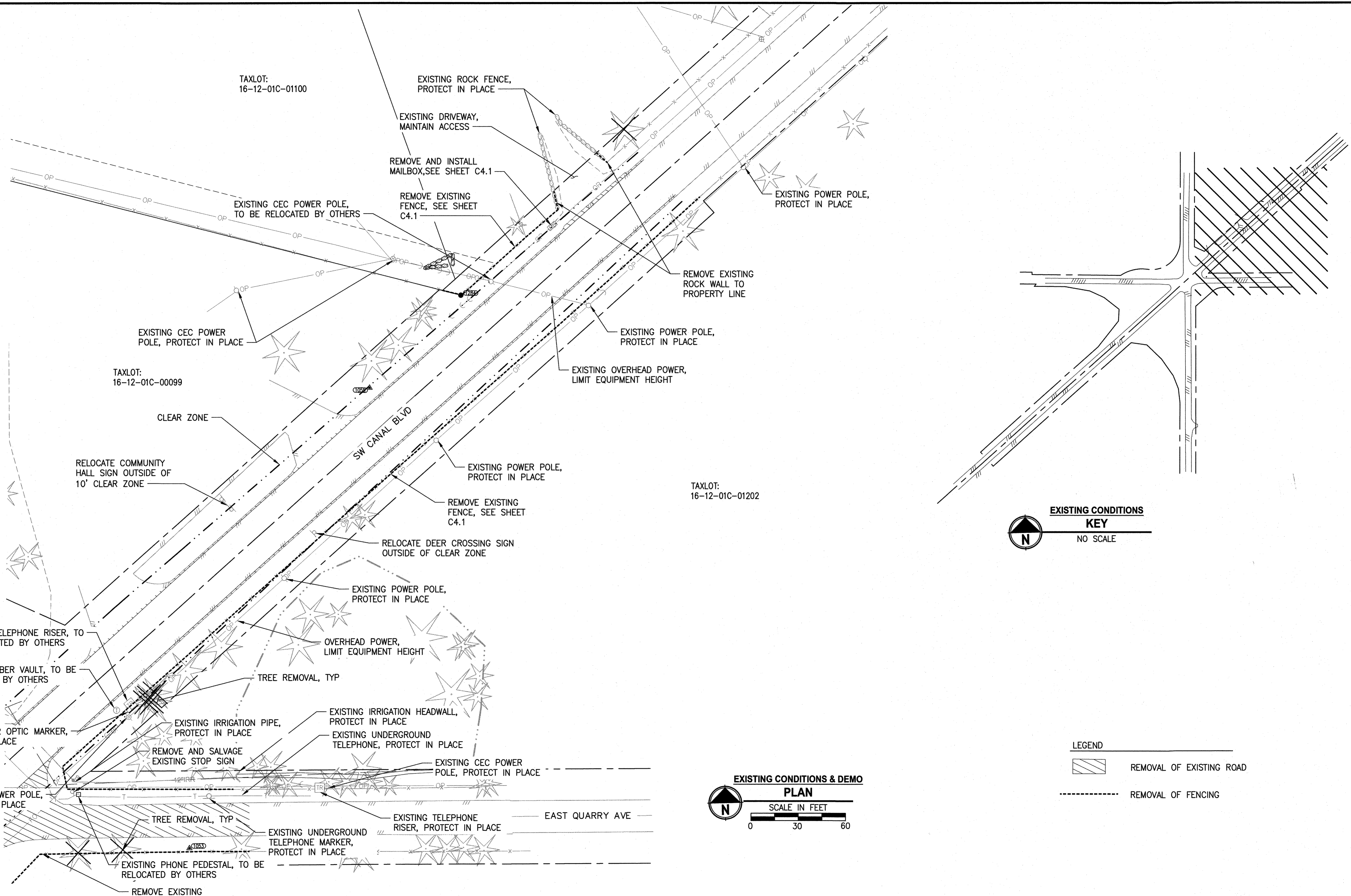
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**EXISTING CONDITIONS**

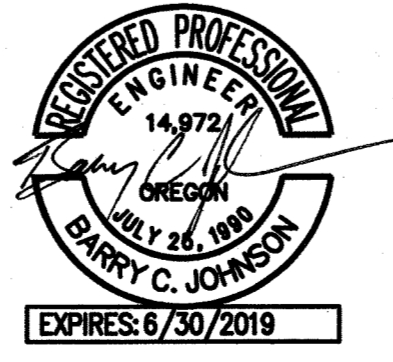
DRAWING NO.  
 5 OF 35  
**C3.1**

LAYOUT: C3.2 EXISTING CONDITIONS  
 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBPH Design Phase\995ves\CADD\DWG\SIX-CORNERS\CD'S  
 PLOTTED BY: ricodov DATE: Friday, May 3, 2019 11:23:57 AM



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			DR/LYF
			CHECKED
			APPROVED

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 TITLE NAME: BE-2509-005.3-C3.0-EC00  
 JOB No.  
 DATE



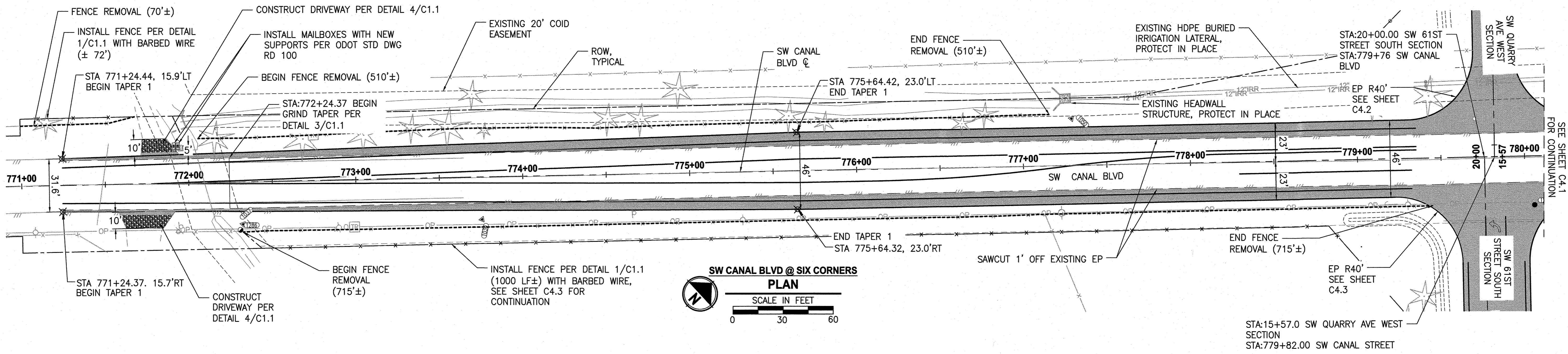
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**EXISTING CONDITIONS**

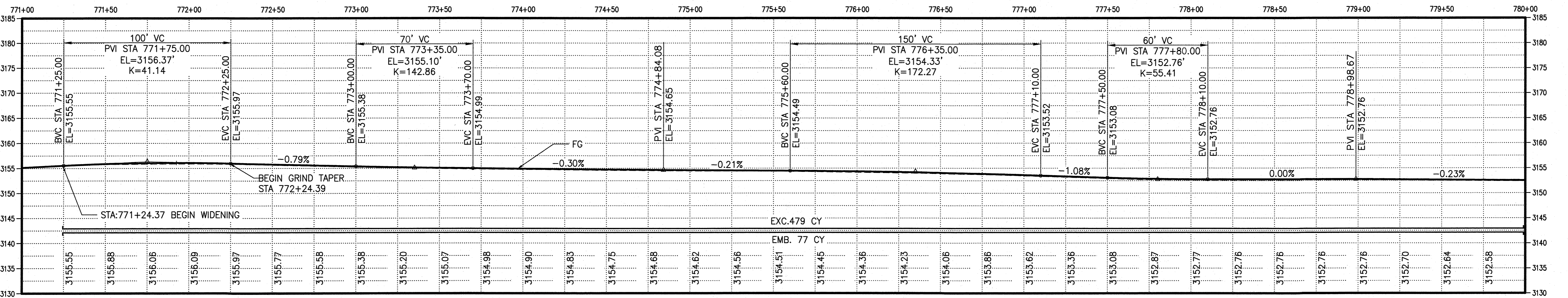
DRAWING NO.  
 6 OF 35  
**C3.2**

LAYOUT: C4.0 PLAN & PROFILE SW CANAL BLVD  
 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\2509-005 OBRR Design Phase\98\Sheet\CADD\DWG\SIX-CORNERS\C0'S  
 PLOTTED BY: riceday DATE: Friday, May 3, 2019 2:35:56 PM



**GENERAL CONSTRUCTION NOTES:**

1.) BETWEEN STA 772+08.00 RT TO 772+26.00 RT AND 771+54.00 LT TO 772+03.00 LT OF SW CANAL BLVD ALIGNMENT, STEEPEN SHOULDER TO MATCH EXISTING GROUND PRIOR TO EXISTING IRRIGATION CANAL

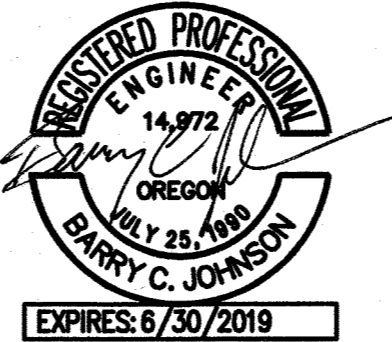


**PROFILE**

HORIZ: 1" = 30'  
 VERT: 1" = 10'

REVISIONS	DATE	BY	DESIGNED

**ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY**  
 FILE NAME: BE-2509-005.3-C4.0-PP00  
 JOB No.  
 DATE



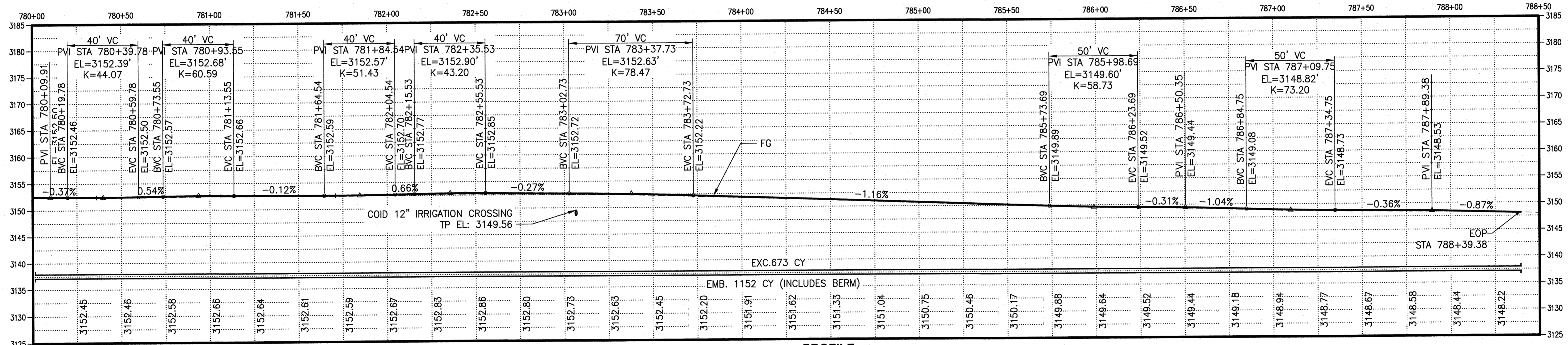
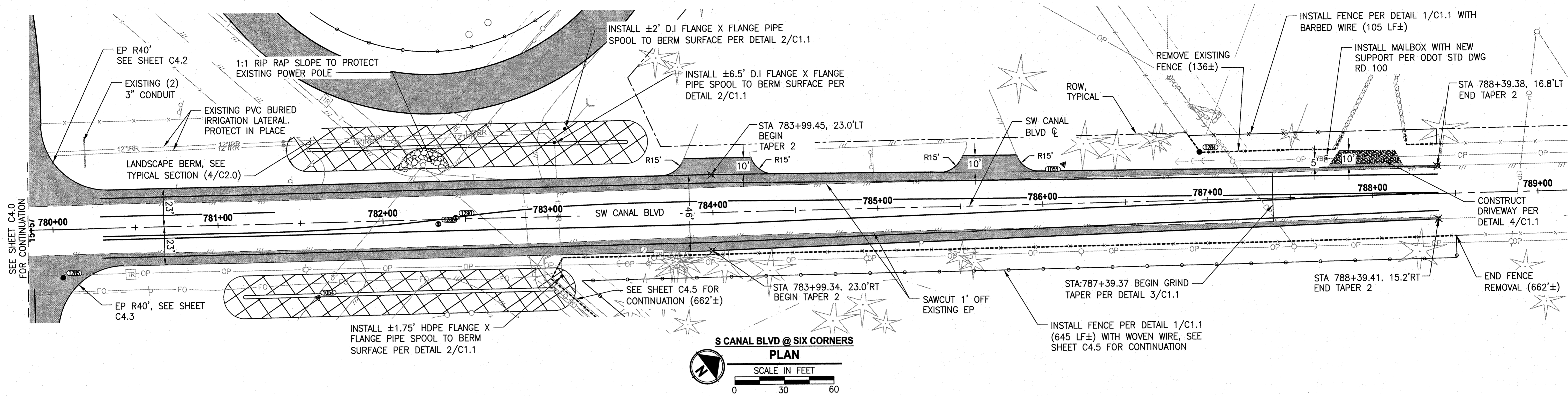
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**PLAN & PROFILE, SW CANAL BLVD**

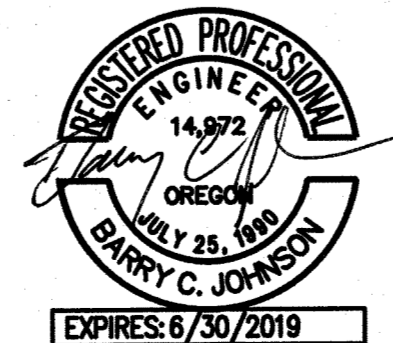
DRAWING NO.  
 7 OF 35  
**C4.0**

LAYOUT: C4.1 PLAN & PROFILE SW CANAL BLVD  
 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\257-2509-005 08RH Design Phase\95\sw\cadd\DWG\SIX-CORNERS\C4.1  
 PLOTTED BY: ricedav DATE: Friday, May 3, 2019 2:41:06 PM



REVISIONS	DATE	BY	DESIGNED

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY  
 FILE NAME: BE-2509-005.3-C4.1-PP00  
 JOB No.  
 DATE



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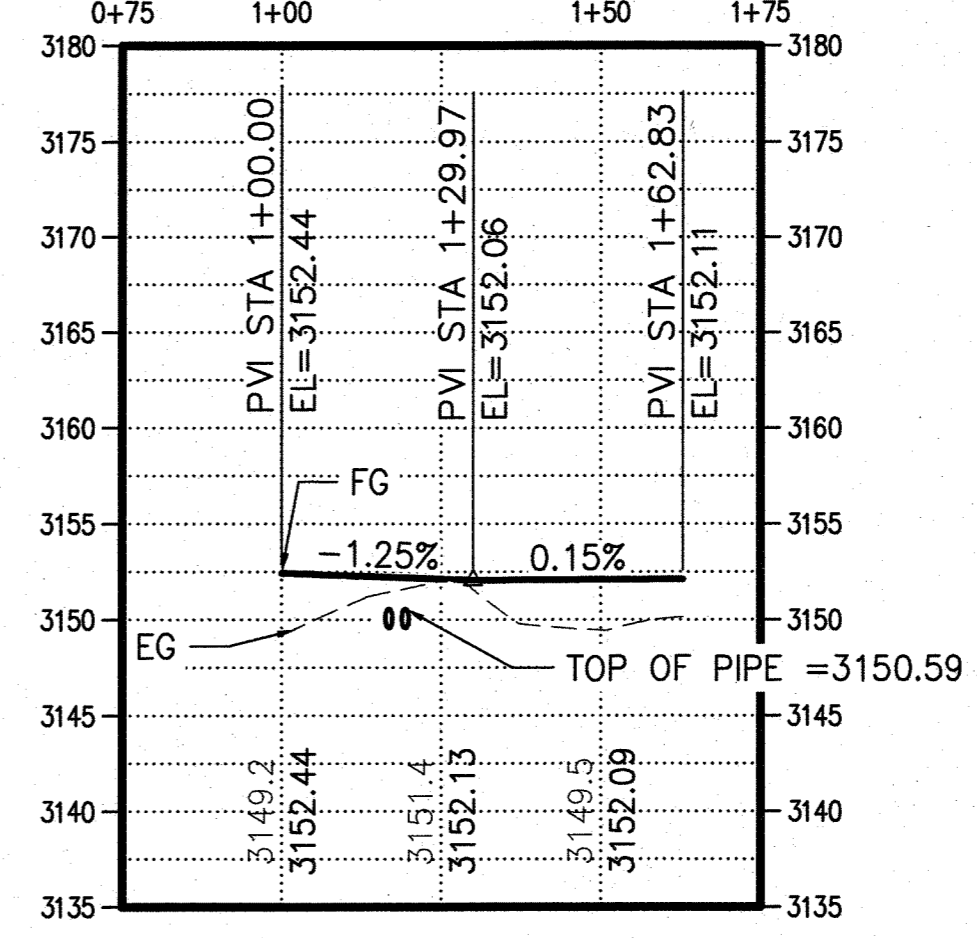
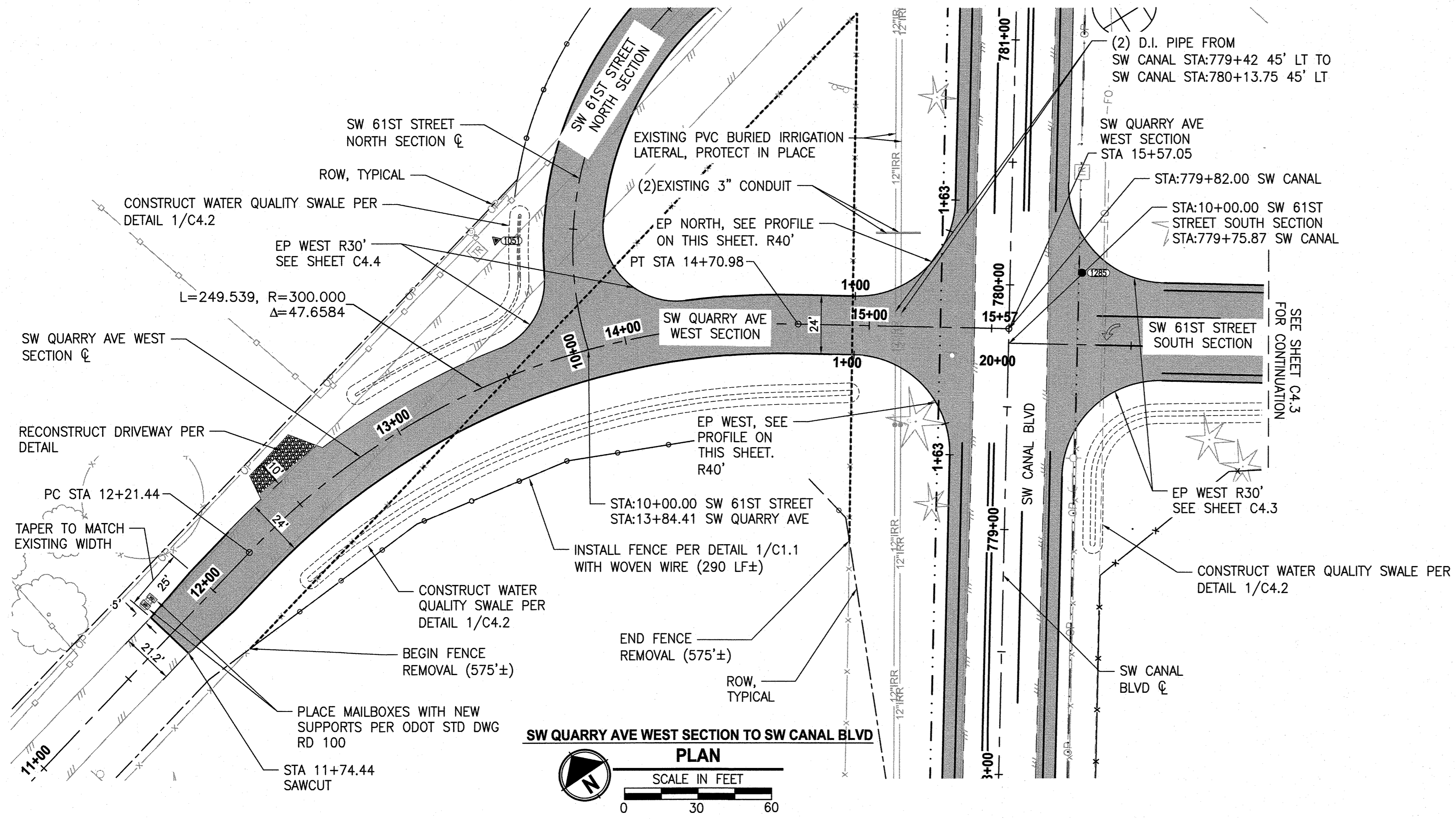
PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**PLAN & PROFILE, SW CANAL BLVD**

DRAWING NO.  
 8 OF 35  
**C4.1**

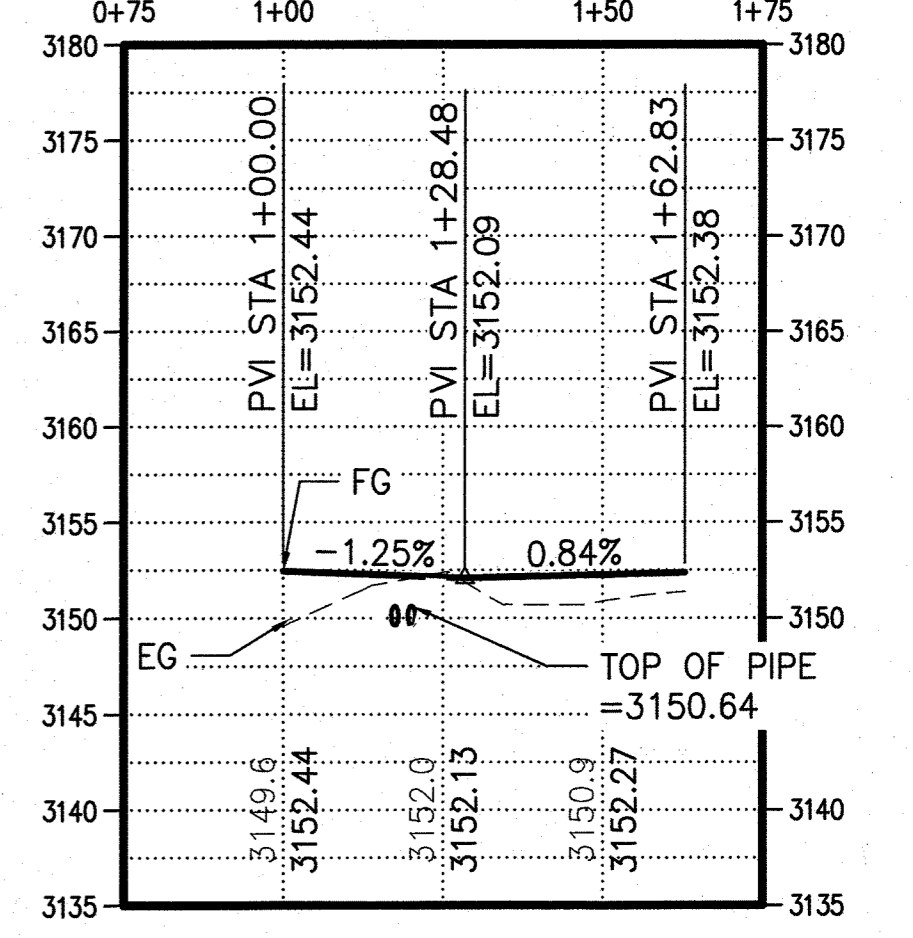


LAYOUT: C4.2 PLAN & PROFILE W QUARRY TO 61ST S PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRH Design Phase\99Sves\CADD\DWG\SIX-CORNERS\C0'S PLOTTED BY: ficeday DATE: Friday, May 3, 2019 2:42:00 PM



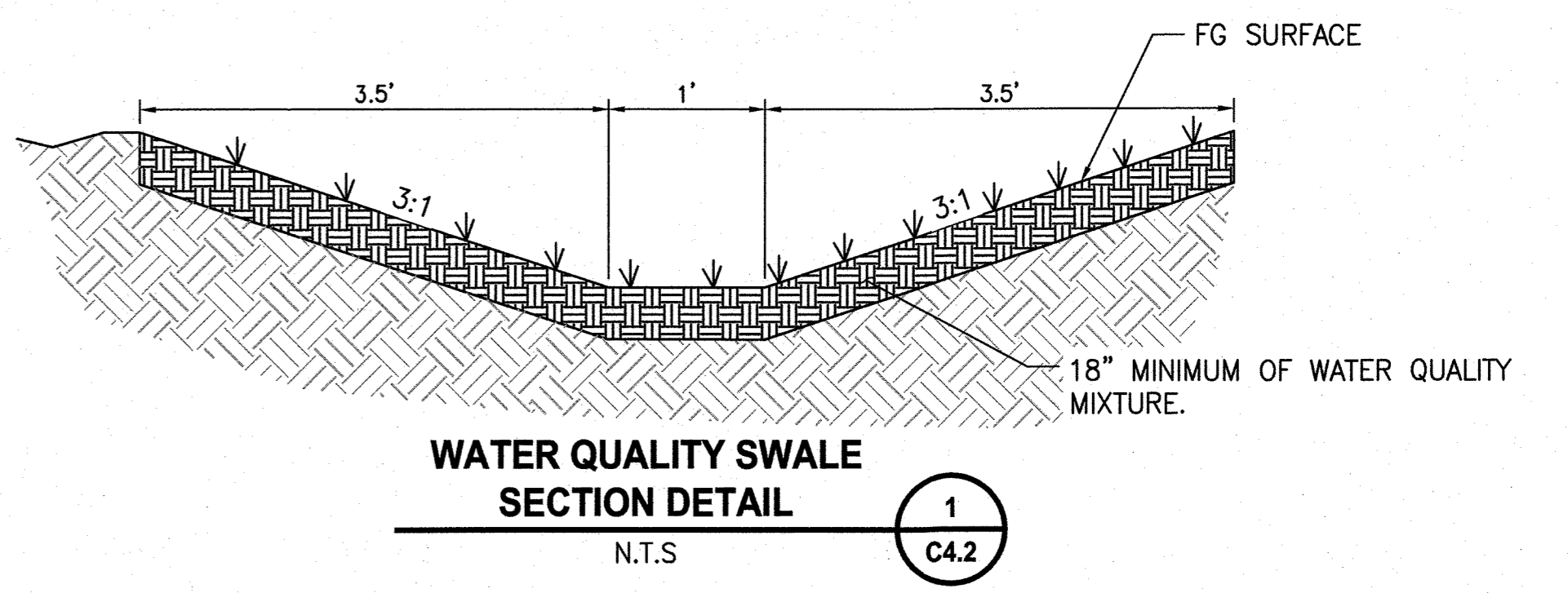
**EP NORTH PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 10'



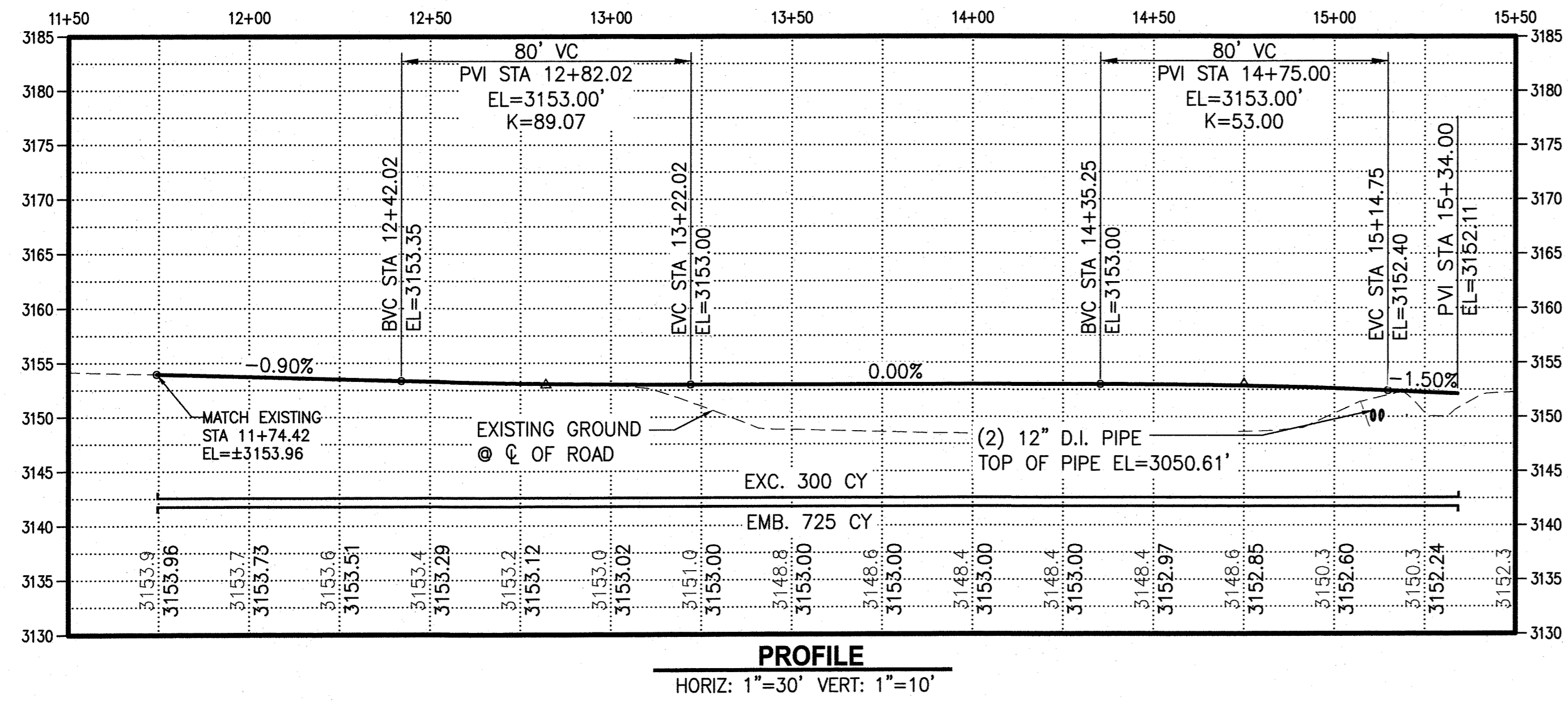
**EP WEST PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 10'



**WATER QUALITY SWALE SECTION DETAIL**

N.T.S. 1 C4.2



**PROFILE**

HORIZ: 1" = 30' VERT: 1" = 10'



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**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

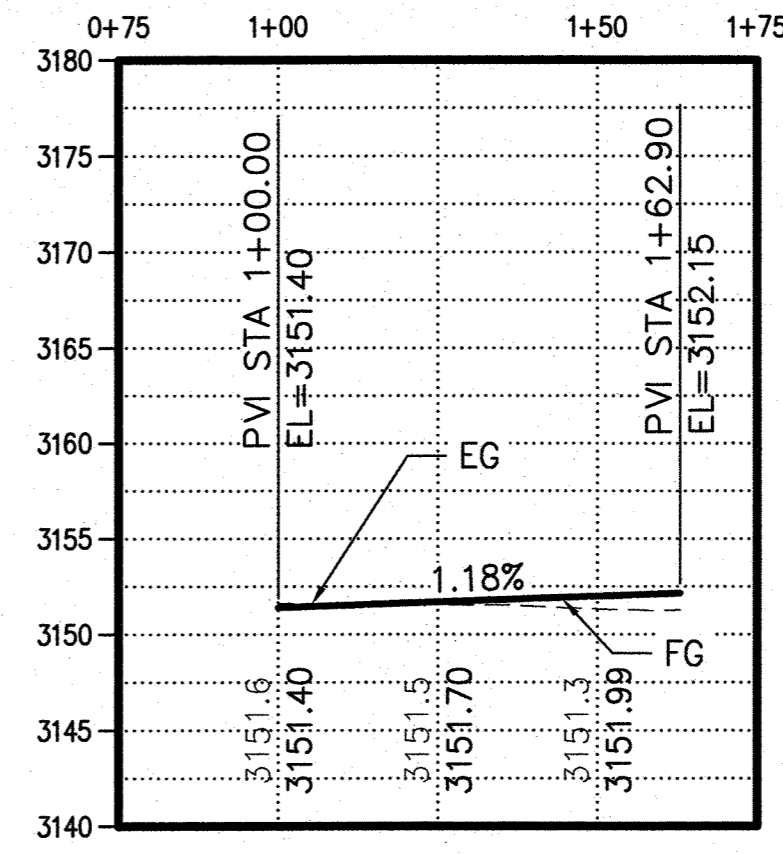
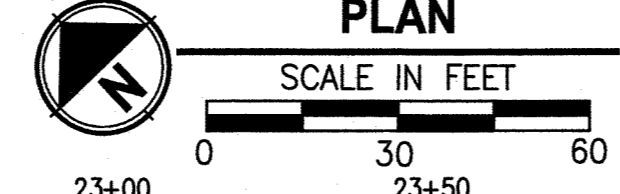
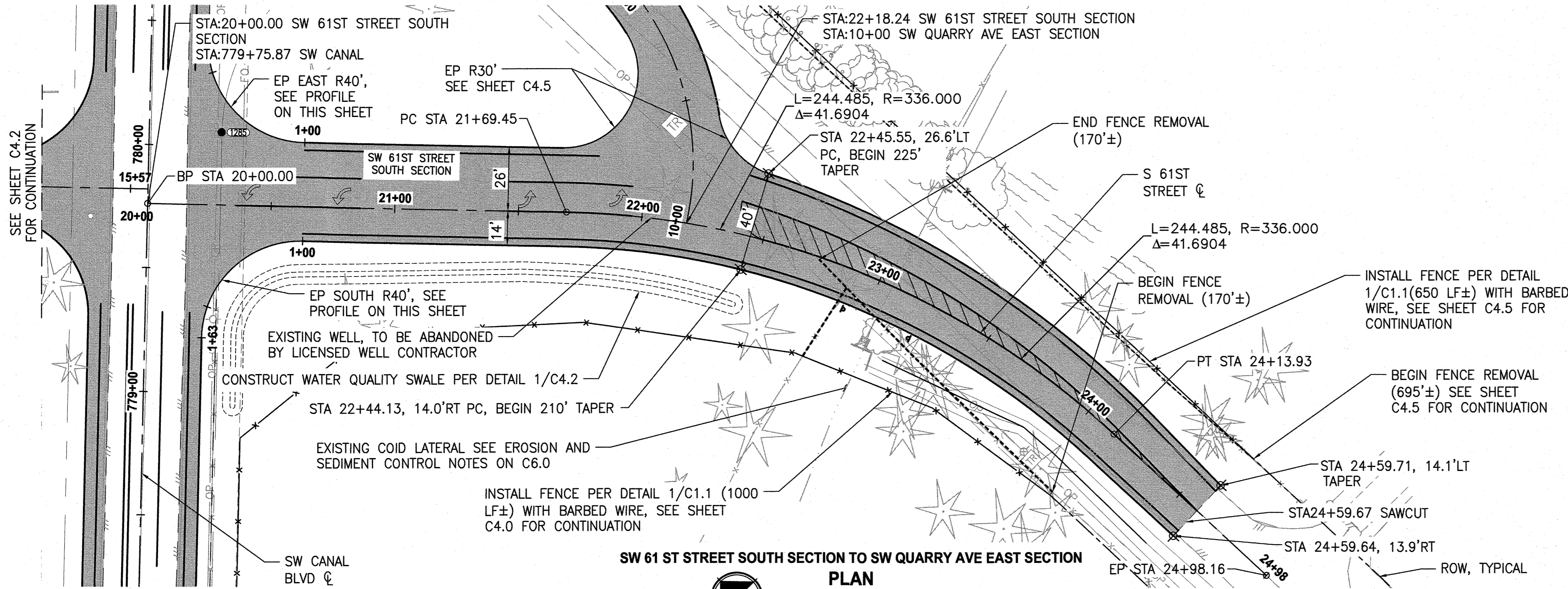
**P&P SW QUARRY WEST SECTION TO SW 61ST STREET NORTH SECTION**

DRAWING NO.  
9 OF 35  
**C4.2**

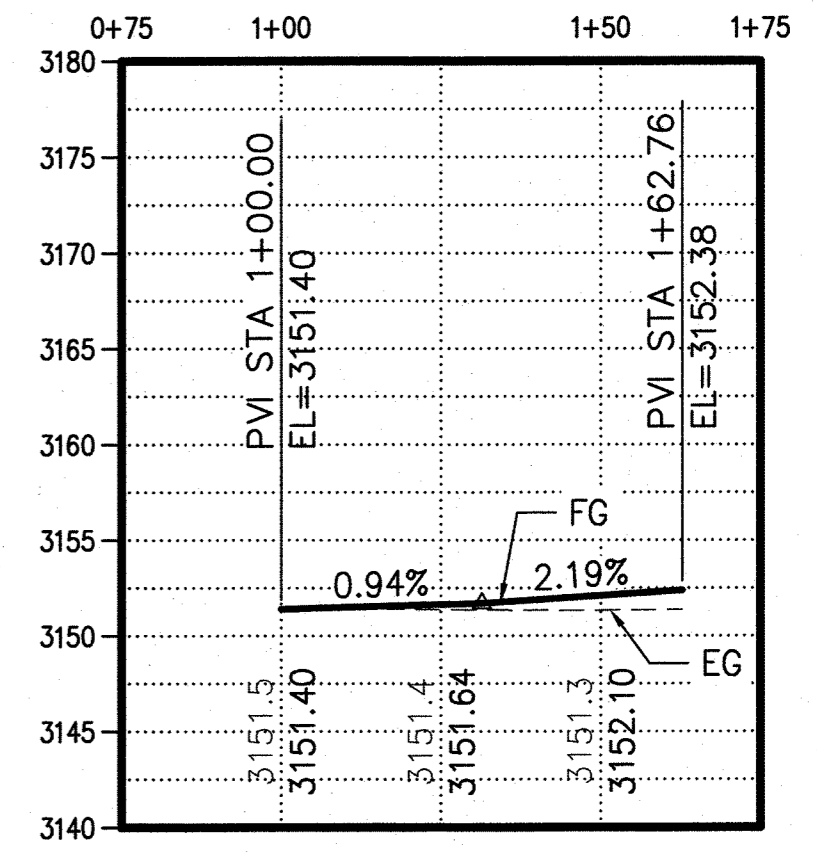
REVISIONS	DATE	BY	DESIGNED DR

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME: BF-2509-005.3-C4.2-PP00
JOB No.
DATE

LAYOUT: C4.3 PLAN & PROFILE E QUARRY TO S 61ST  
 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-05 OBRH Design Phase\995\SW-CORNER\CD'S  
 PLOTTED BY: ricodav DATE: Friday, May 3, 2019 2:42:51 PM

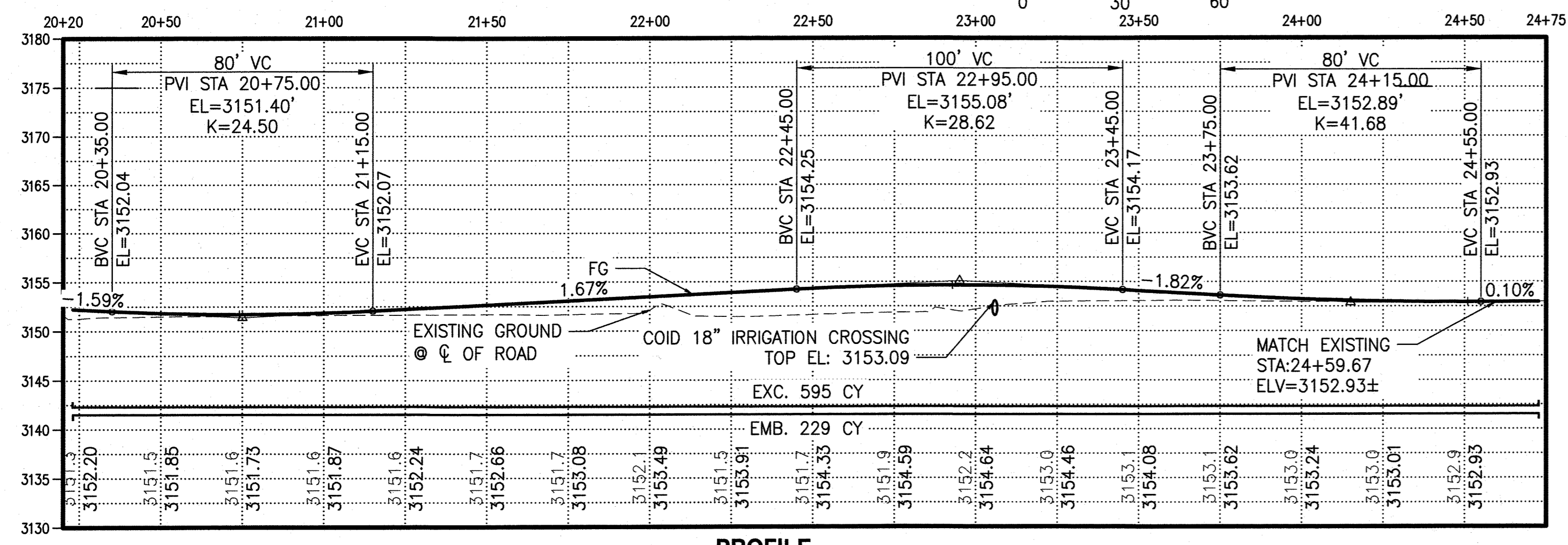


**EP EAST PROFILE**  
 HORIZ: 1" = 30'  
 VERT: 1" = 10'

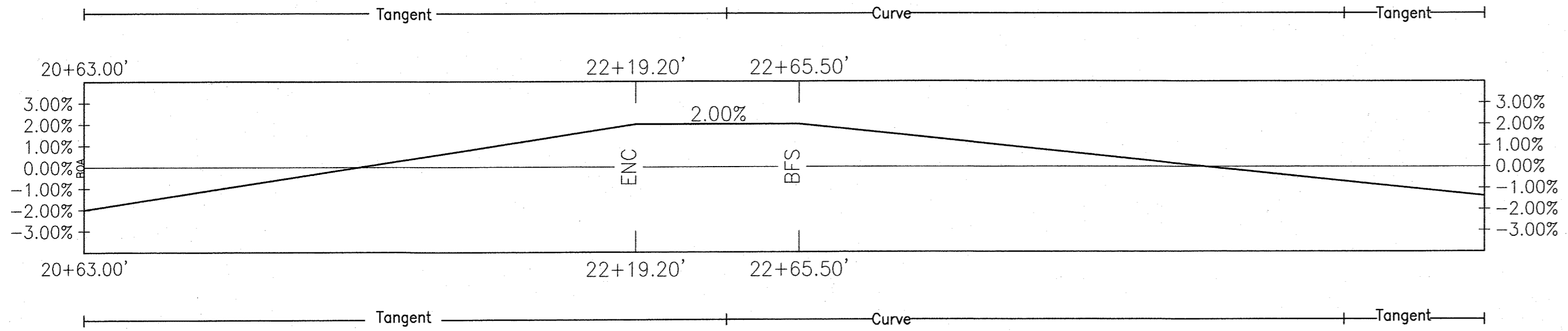


**EP SOUTH PROFILE**  
 HORIZ: 1" = 30'  
 VERT: 1" = 10'

**GENERAL CONSTRUCTION NOTES:**  
 1.) BETWEEN STA 13+80.00 TO 14+60.00 RT OF S 61ST STREET ALIGNMENT, STEEPEN SHOULDER TO MATCH EXISTING GROUND PRIOR TO EXISTING IRRIGATION CANAL



**PROFILE**  
 HORIZ: 1" = 30'  
 VERT: 1" = 10'



**61 ST STREET SOUTH SECTION-LEFT SUPER ELEVATION TABLE**  
 N.T.S



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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

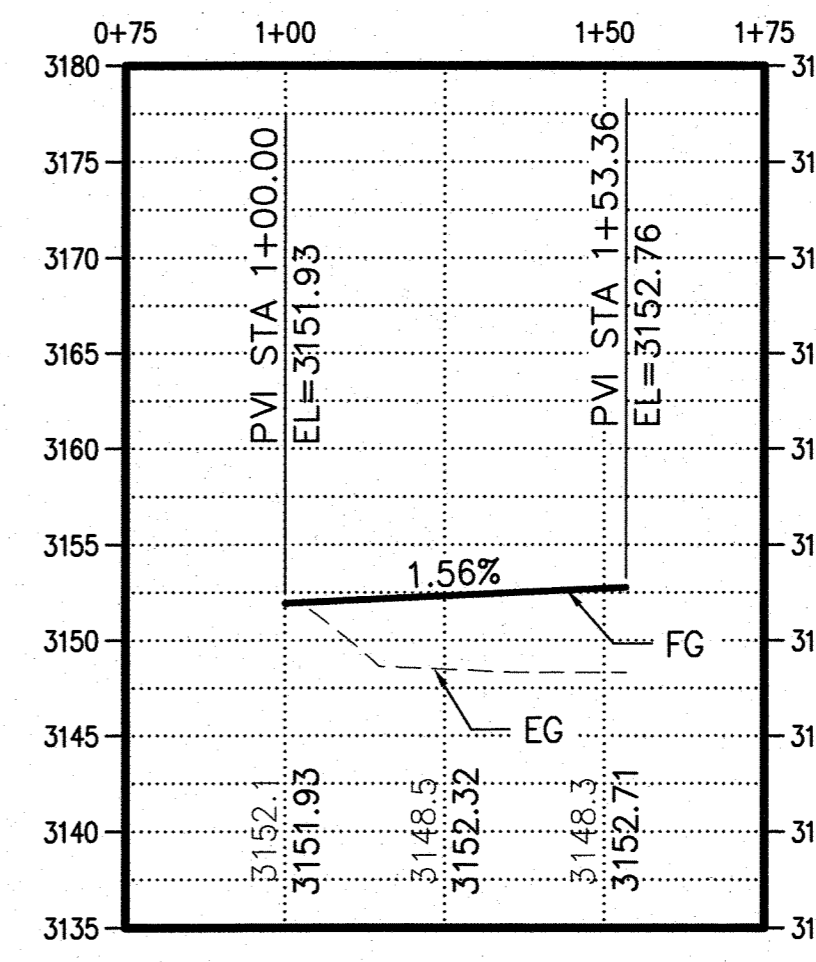
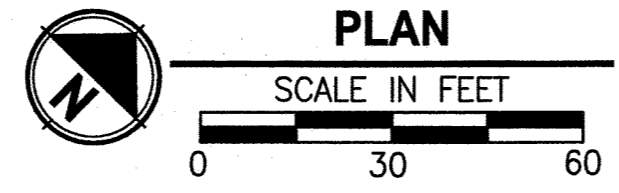
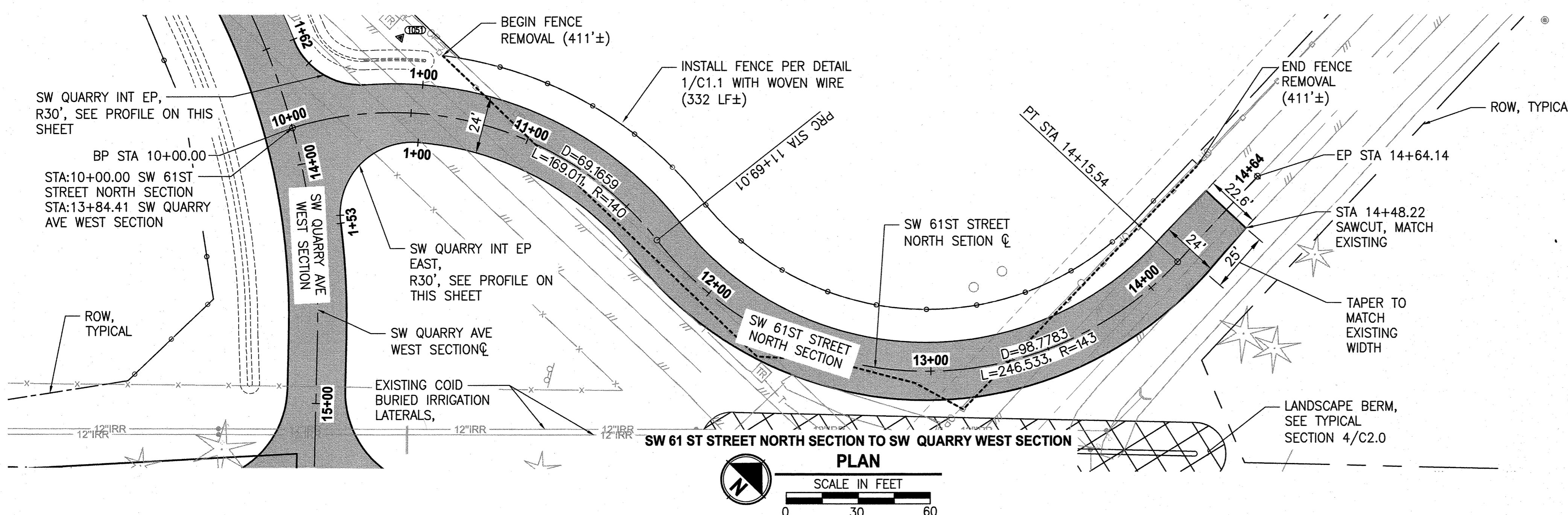
**P&P, SW 61ST STREET SOUTH SECTION TO SW QUARRY EAST SECTION**

DRAWING NO.  
 10 OF 35  
**C4.3**

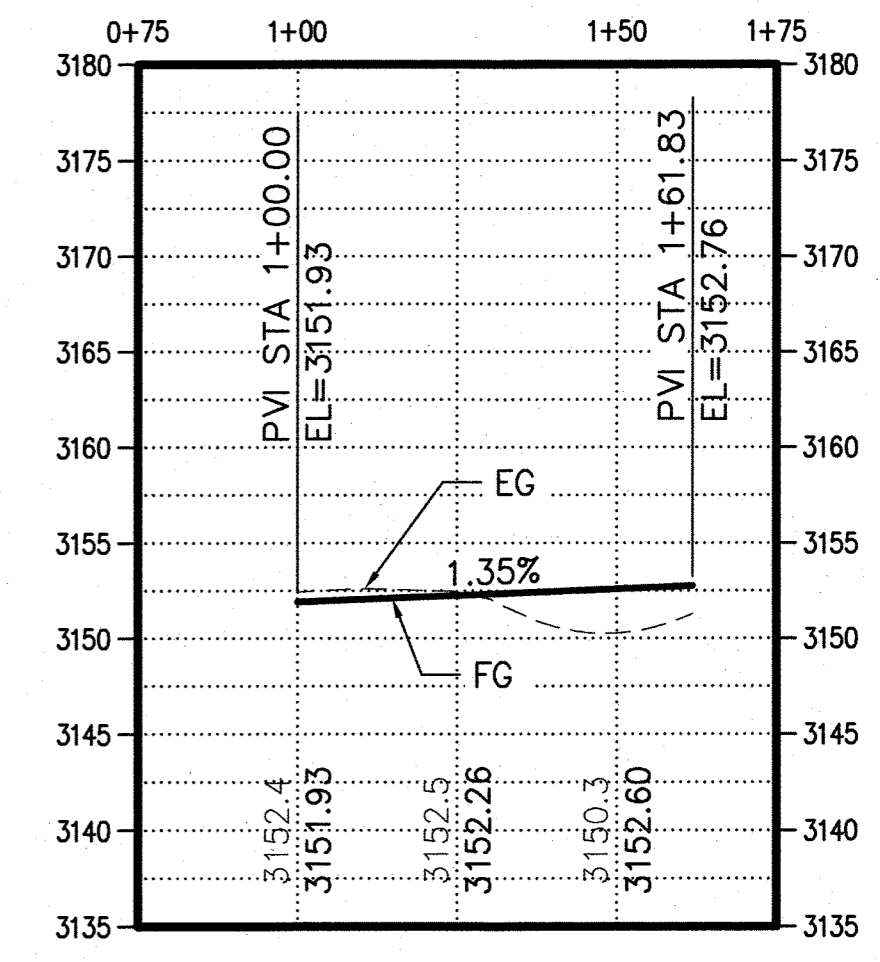
REVISIONS	DATE	BY	DESIGNED DR

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
FILE NAME: BE-2509-005.3-C4.3-PP00
JOB No.
DATE

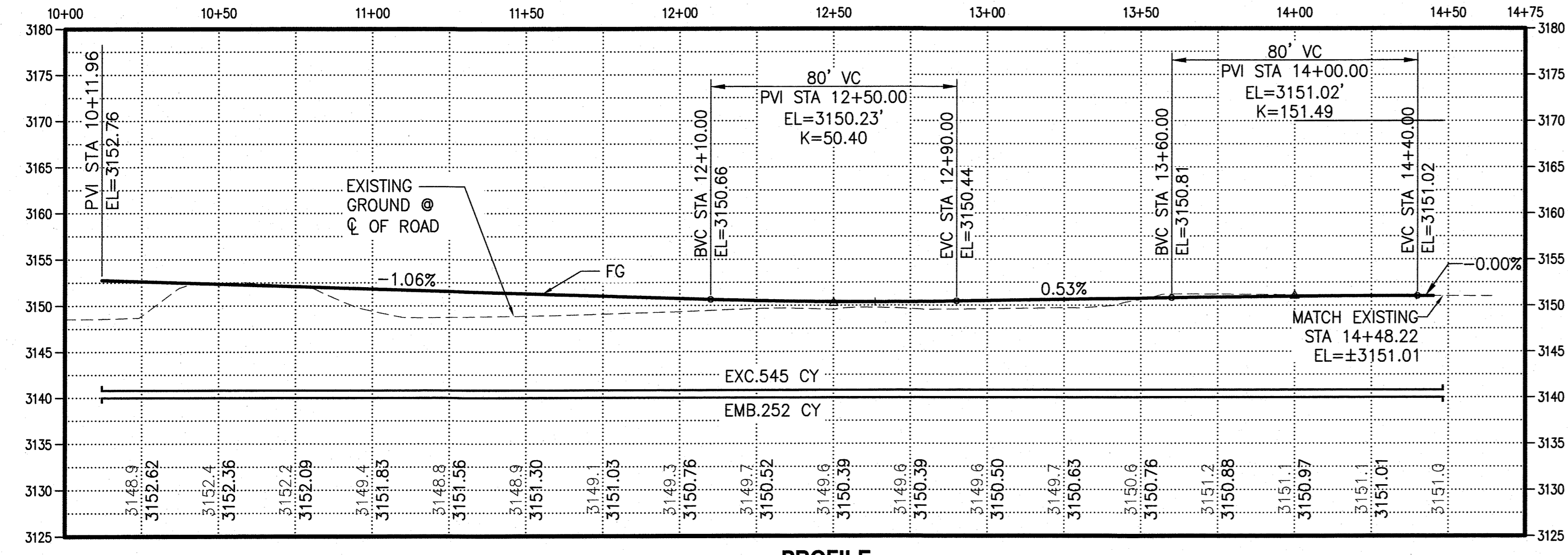
LAYOUT: C4.4 PLAN & PROFILE N 61ST STREET DATE: Friday, May 3, 2019 2:43:37 PM PLOTTED BY: ricodov DATE: Friday, May 3, 2019 2:43:37 PM



**W QUARRY INT EP EAST PROFILE**  
 HORIZ: 1" = 30'  
 VERT: 1" = 10'



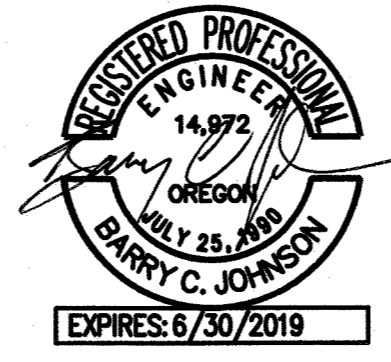
**W QUARRY INT EP WEST PROFILE**  
 HORIZ: 1" = 30'  
 VERT: 1" = 10'



**PROFILE**  
 HORIZ: 1" = 30'  
 VERT: 1" = 10'

REVISIONS	DATE	BY	DESIGNED DR

**ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.**  
 FILE NAME: BF-2509-005.3-C4.4-PP00  
 JOB No. \_\_\_\_\_  
 DATE \_\_\_\_\_



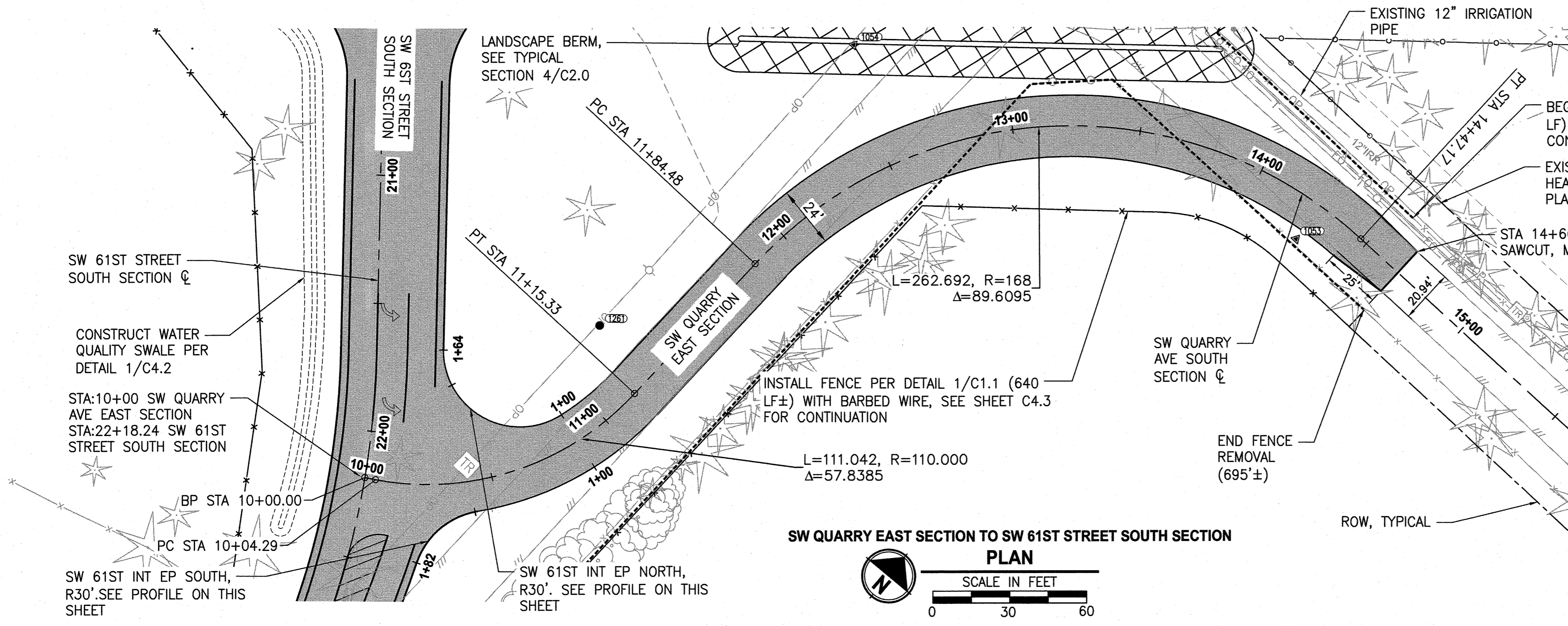
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

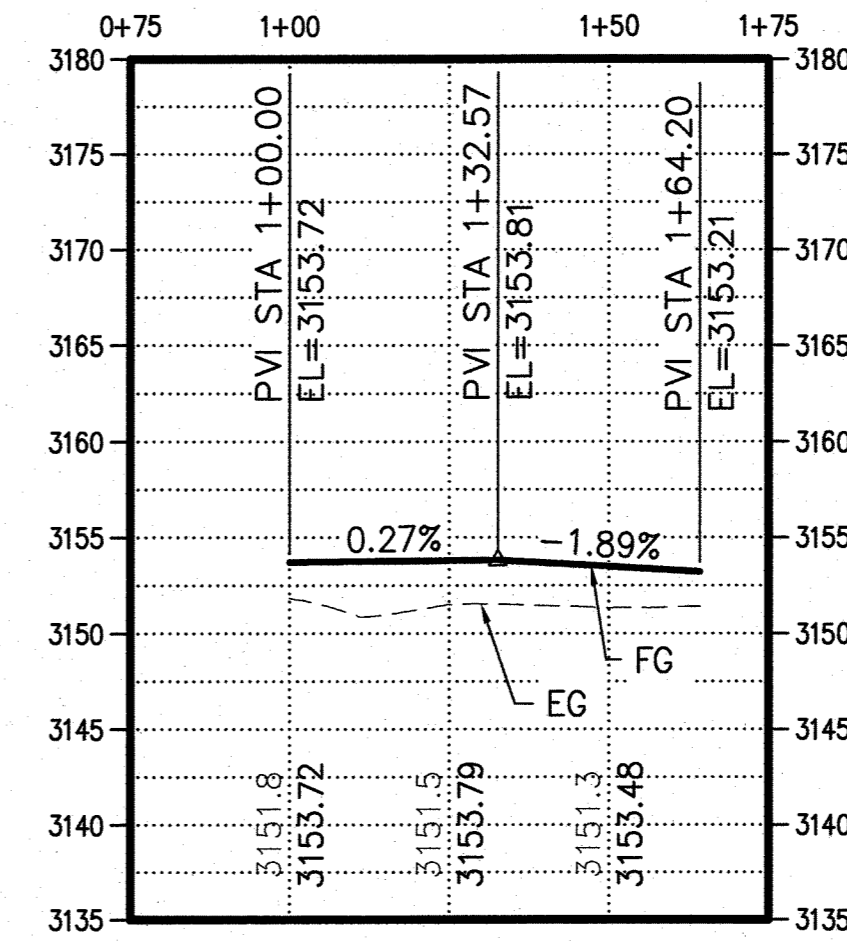
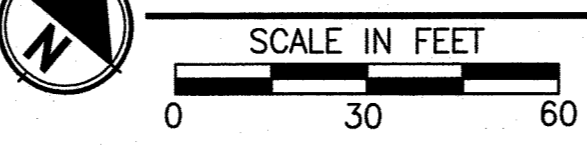
**P&P SW 61ST STREET NORTH SECTION TO SW QUARRY WEST SECTION**

DRAWING NO.  
 11 OF 35  
**C4.4**

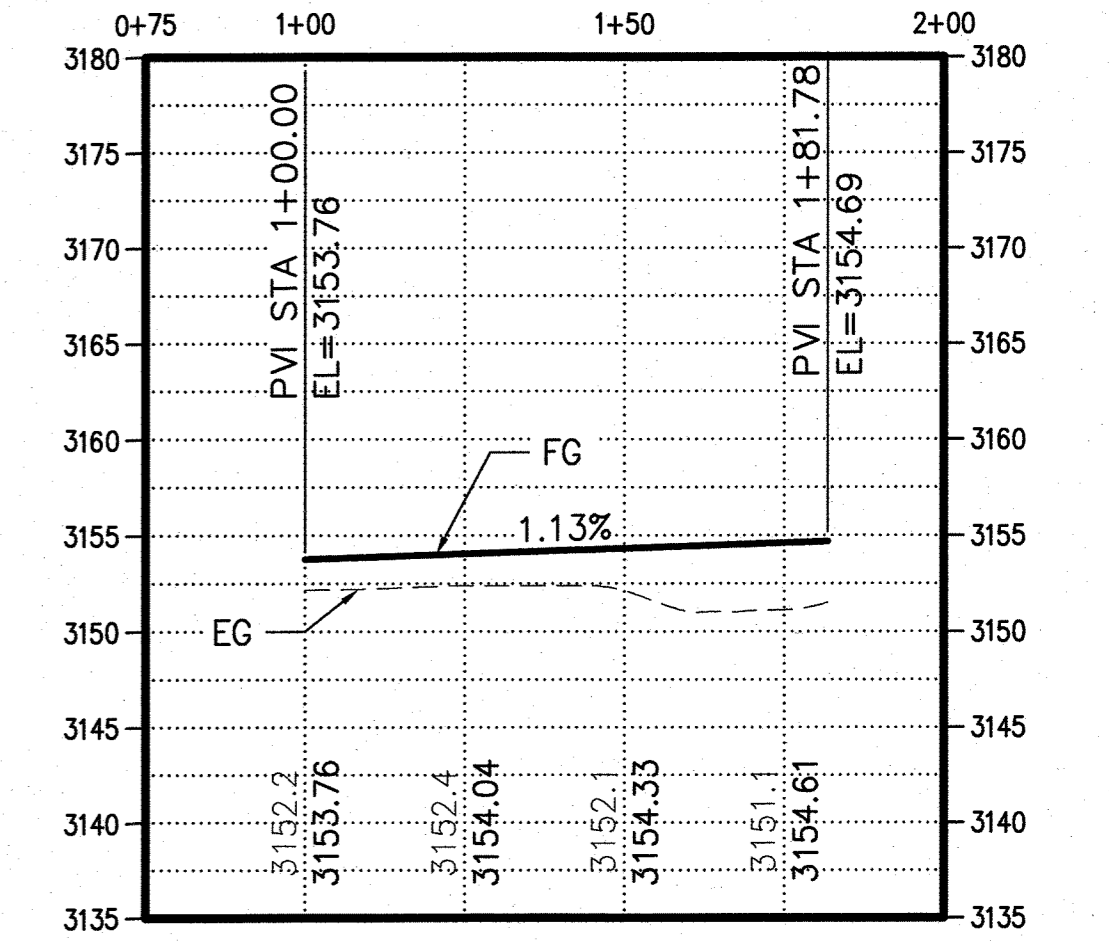
LAYOUT: C4.5 PLAN & PROFILE E QUARRY AVE PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-05 OBRH Design Phase\955ves\CADD\DWG\SIX-CORNERS\CD'S PLOTTED BY: ricodav DATE: Friday, May 3, 2019 2:44:12 PM



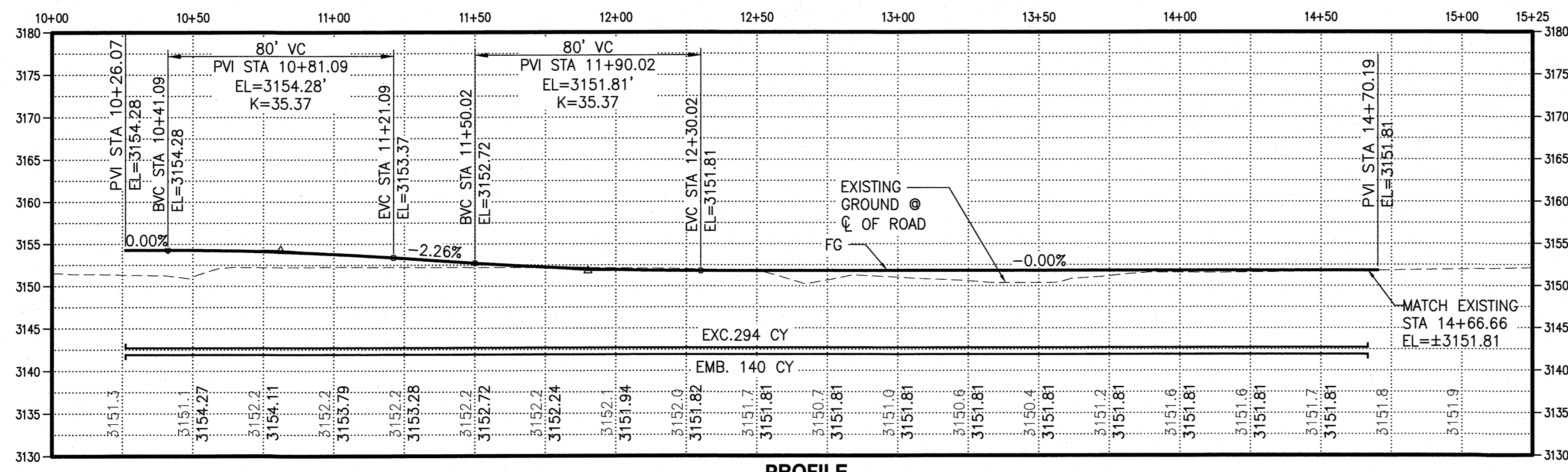
**SW QUARRY EAST SECTION TO SW 61ST STREET SOUTH SECTION**  
**PLAN**



**S 61ST STREET INT EP NORTH**  
**PROFILE**  
HORIZ: 1" = 30'  
VERT: 1" = 10'



**S 61ST INT EP SOUTH**  
**PROFILE**  
HORIZ: 1" = 30'  
VERT: 1" = 10'



**PROFILE**  
HORIZ: 1" = 30'  
VERT: 1" = 10'

REVISIONS	DATE	BY	DESIGNED DR

**ONE INCH AT FULL SCALE.**  
**IF NOT, SCALE ACCORDINGLY.**  
 FILE NAME: BF-2509-005.3-C4.5-PP00  
 JOB No. \_\_\_\_\_  
 DATE \_\_\_\_\_



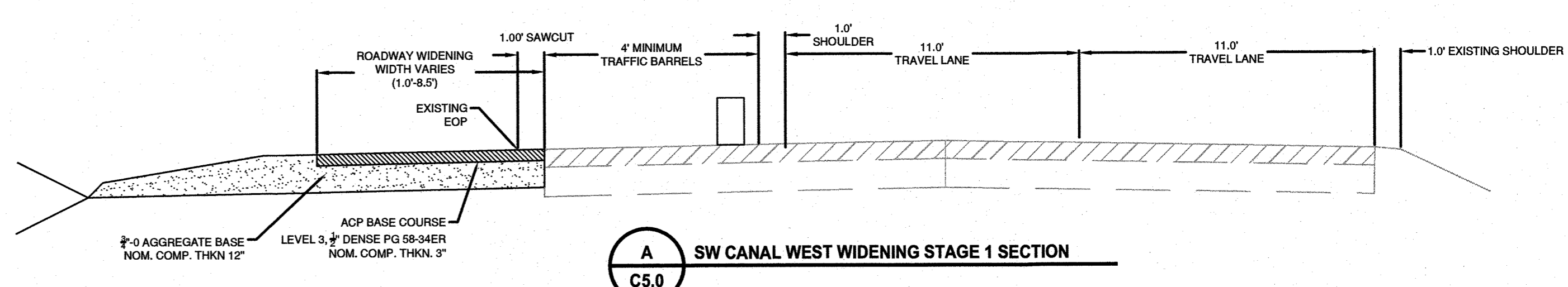
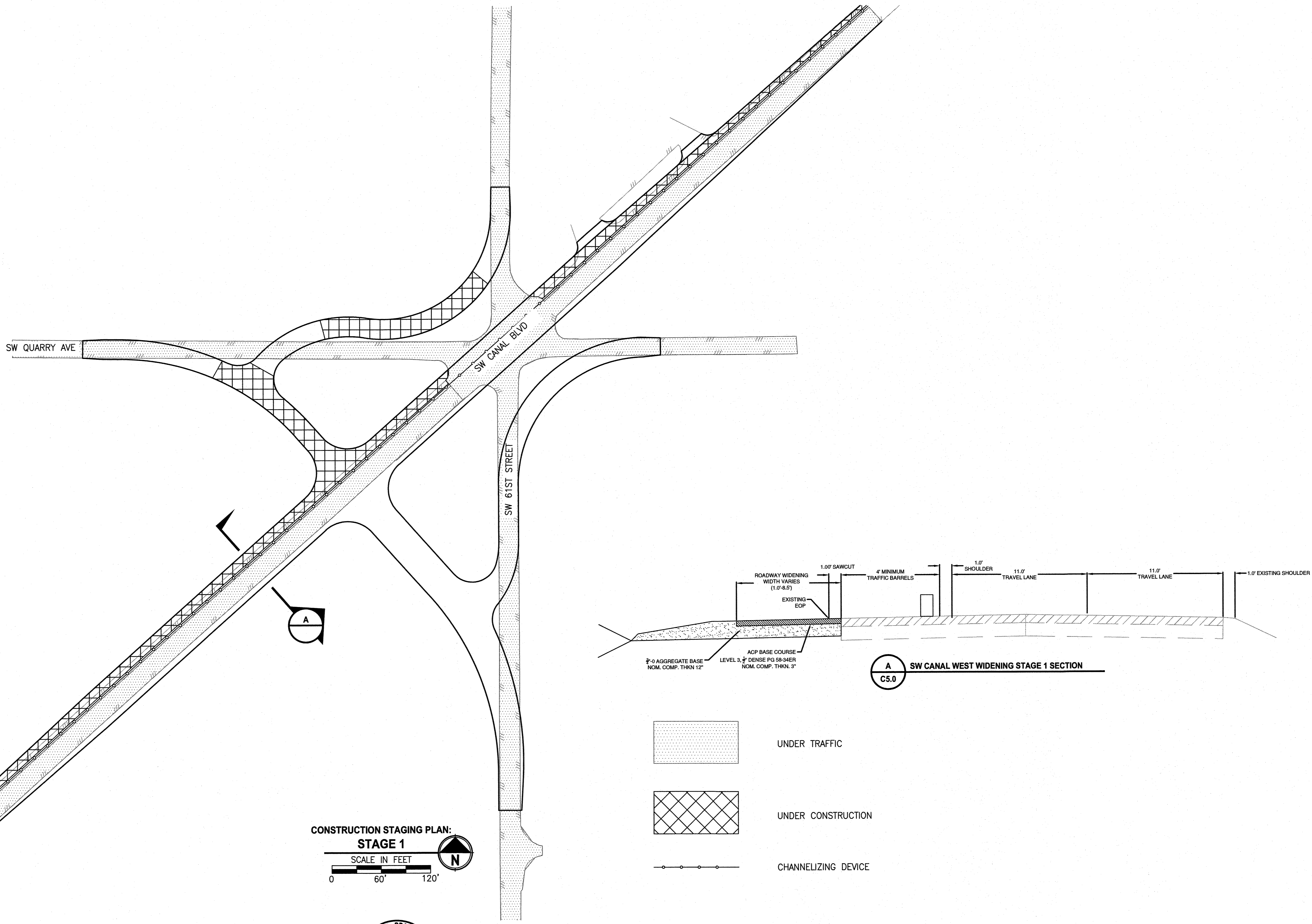
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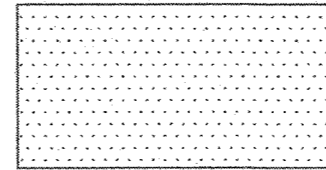
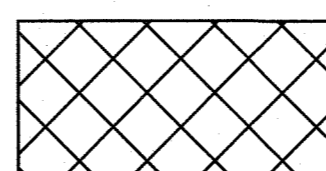
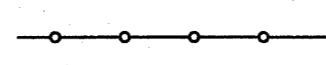
PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**P&P, SW QUARRY AVE EAST SECTION TO SW 61ST STREET SOUTH SECTION**

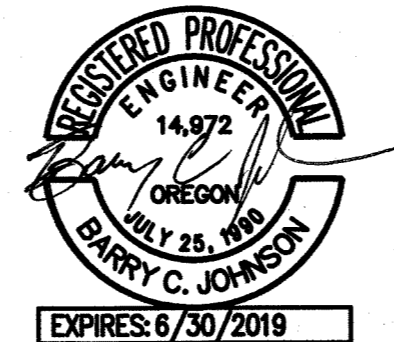
DRAWING NO.  
 12 OF 35  
**C4.5**

LAYOUT: C5.0 CONSTRUCTION STAGING STAGE 1 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\287-2509-005 OBRH Design Phase\99Sves\CADD\DWG\SIX-CORNERS\EXHIBITS PLOTTED BY: ricardv DATE: Friday, May 3, 2019 11:44:12 AM



-  UNDER TRAFFIC
-  UNDER CONSTRUCTION
-  CHANNELIZING DEVICE

CONSTRUCTION STAGING PLAN:  
**STAGE 1**  
 SCALE IN FEET  
 0 60' 120'



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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS**

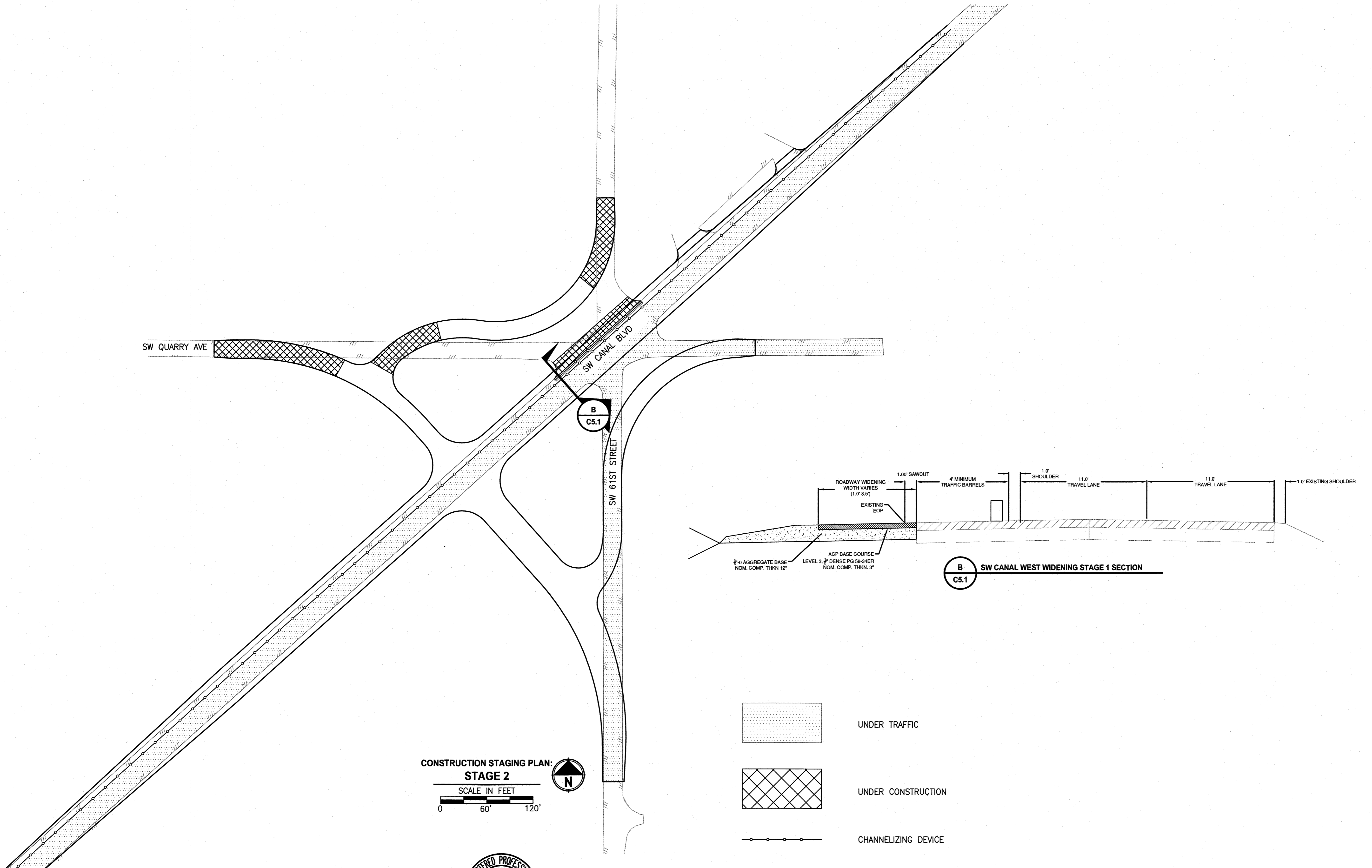
**CONSTRUCTION STAGING, STAGE 1**

DRAWING NO.  
 13 OF 35  
**C5.0**

REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN DR/LYF
			CHECKED BCL
			APPROVED BCL

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY  
 FILE NAME  
 Construction Staging  
 JOB No.  
 DATE

LAYOUT: C5.1 CONSTRUCTION STAGING STAGE 2 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\2509-005\_OBRH Design Phase\995\cadd\DWG\SW-CORNERS\EXHIBITS PLOTTED BY: riceday DATE: Friday, May 3, 2019 11:27:12 AM



CONSTRUCTION STAGING PLAN:  
**STAGE 2**  
 SCALE IN FEET  
 0 60' 120'



REVISIONS	DATE	BY	DESIGNED
			DR
			DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY.  
 FILE NAME  
 Construction Staging  
 JOB No.  
 DATE

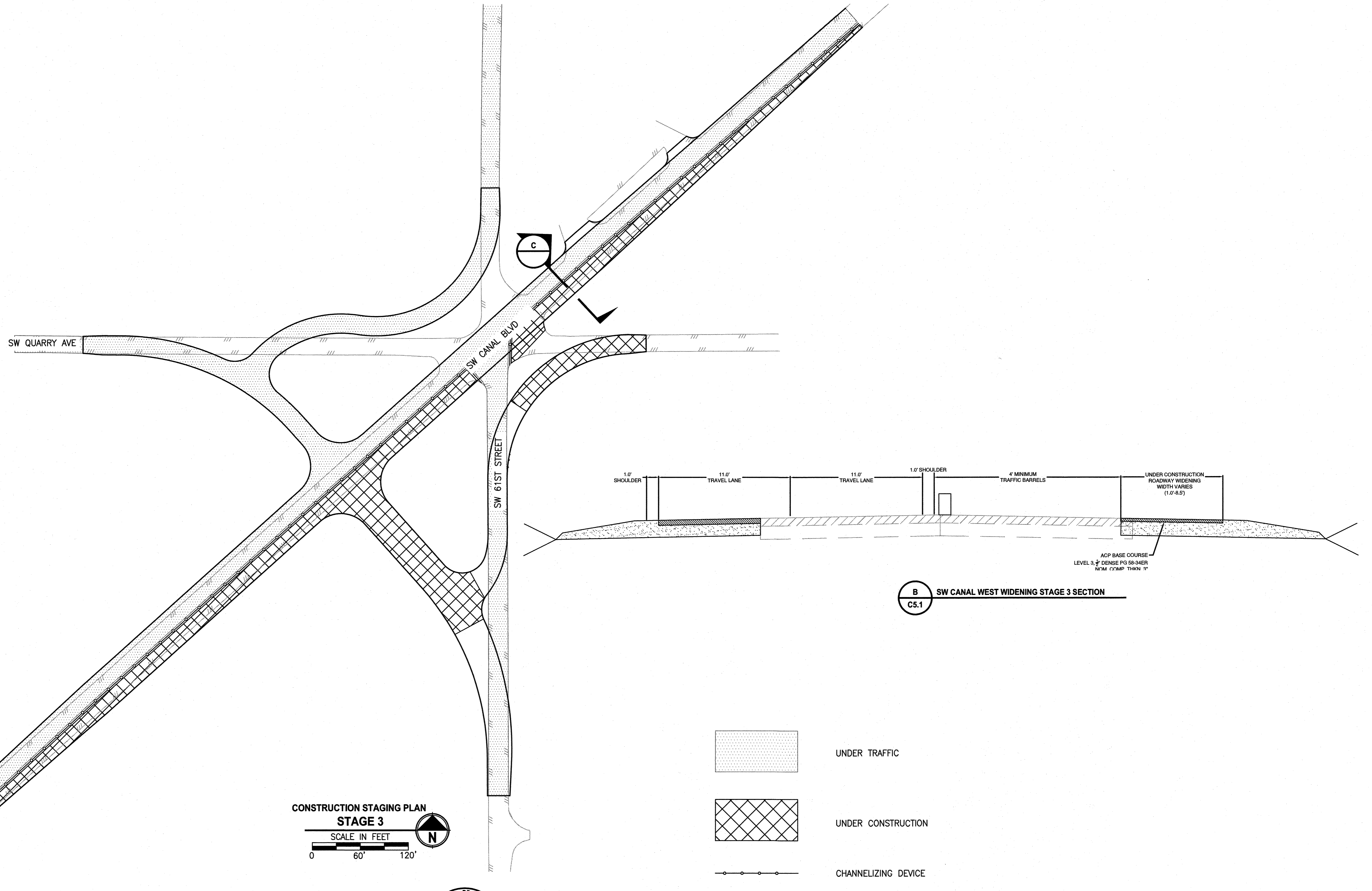
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS**

**CONSTRUCTION STAGING, STAGE 2**

DRAWING NO.  
 14 OF 35  
**C5.1**

LAYOUT: C5.2 CONSTRUCTION STAGING STAGE 3 PATH: U:\Bentley\Projects\Clients\2509-Deeschutes County\2509-005 OBRH Design Phase\995sca\CADD\DWG\SW-CORNERS\EXHIBITS PLOTTED BY: rhoodv DATE: Friday, May 3, 2019 11:27:17 AM

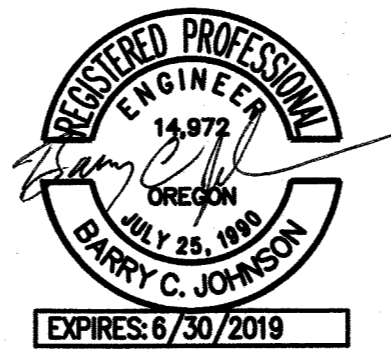


**CONSTRUCTION STAGING PLAN  
STAGE 3**  
SCALE IN FEET  
0 60' 120'

**B SW CANAL WEST WIDENING STAGE 3 SECTION  
C5.1**

REVISIONS	DATE	BY	DESIGNED
			DR
			DR/LYF
			CHECKED
			APPROVED

**ONE INCH AT FULL SCALE,  
IF NOT, SCALE ACCORDINGLY**  
FILE NAME  
Construction Staging  
JOB No.  
DATE



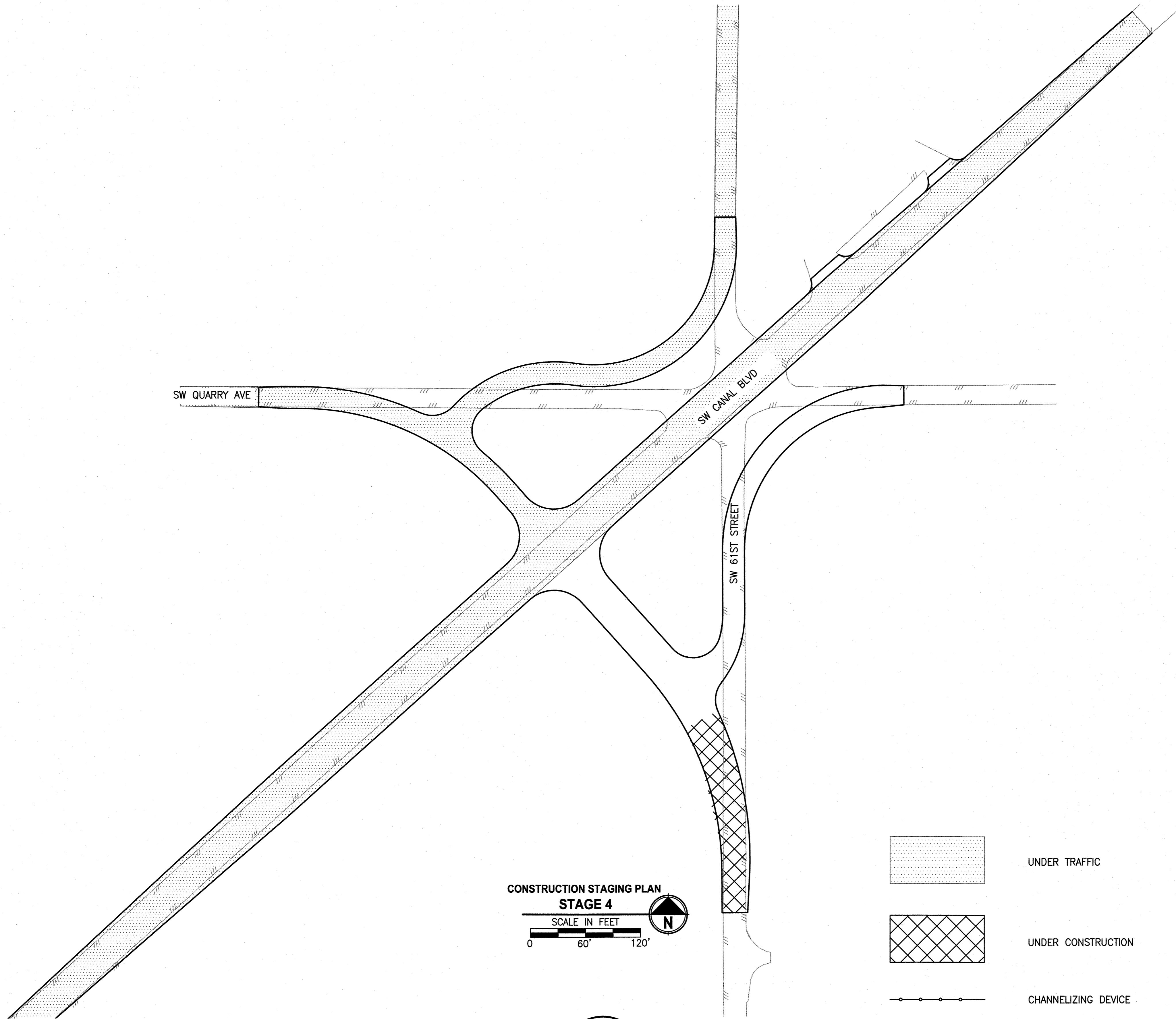
**Parametrix**  
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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

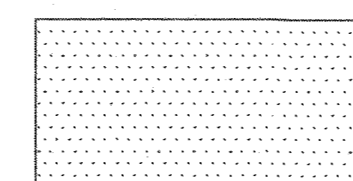
**CONSTRUCTION STAGING, STAGE 3**

DRAWING NO.  
15 OF 35  
**C5.2**

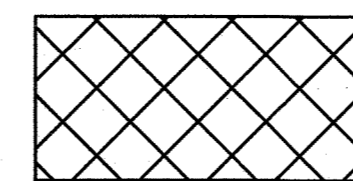
LAYOUT: C5.3 CONSTRUCTION STAGING STAGE 4 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRH Design Phase\995\es\CADD\DWG\SIX-CORNERS\EXHIBITS PLOTTED BY: rhoodv DATE: Friday, May 3, 2019 11:27:21 AM



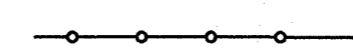
**CONSTRUCTION STAGING PLAN**  
**STAGE 4**  
 SCALE IN FEET  
 0 60' 120'



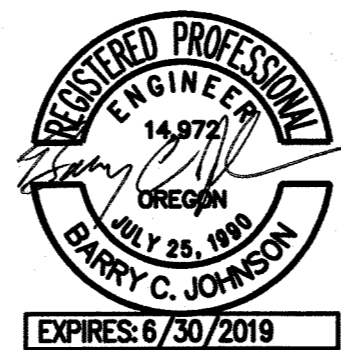
UNDER TRAFFIC



UNDER CONSTRUCTION



CHANNELIZING DEVICE



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PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS**

**CONSTRUCTION STAGING, STAGE 4**

DRAWING NO.  
16 OF 35

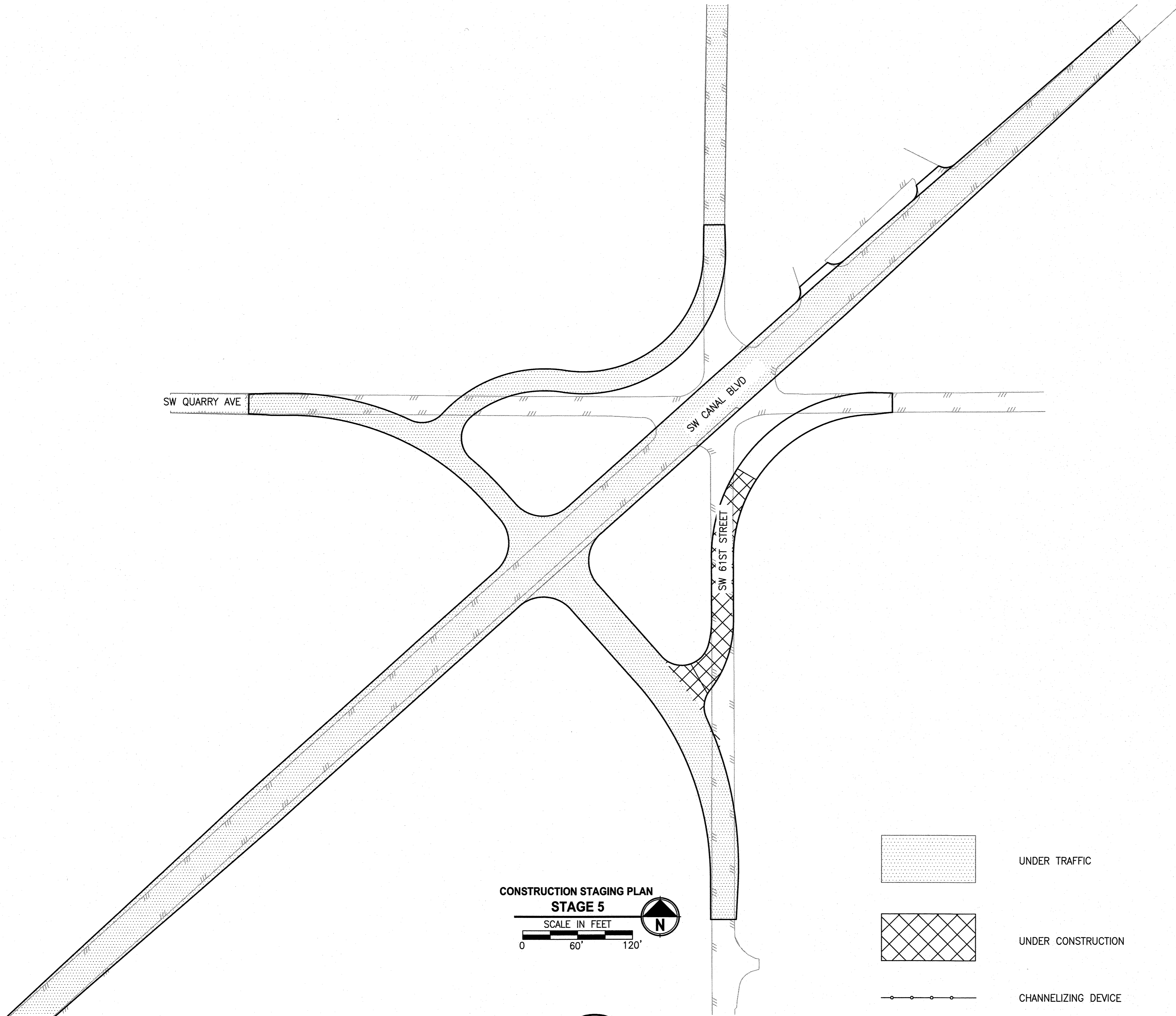
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REVISIONS	DATE	BY	DESIGNED
			DR
			DR / LYF
			CHECKED
			APPROVED

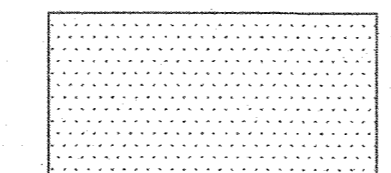
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FILE NAME	Construction Staging
JOB No.	
DATE	



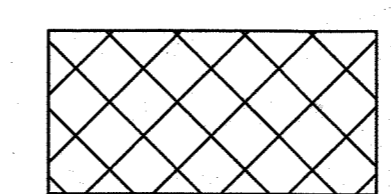
LAYOUT: C5.4 CONSTRUCTION STAGING STAGE 5 PATH: U:\Bend\Projects\Clients\2509--Deschutes County\297-2509-005 OBRH Design Phase\985ves\CADD\DWG\SIX-CORNERS-EXHIBITS PLOTTED BY: rccoadv DATE: Friday, May 3, 2019 11:44:43 AM



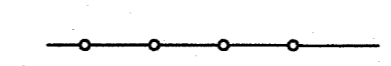
**CONSTRUCTION STAGING PLAN  
STAGE 5**  
SCALE IN FEET  
0 60' 120'



UNDER TRAFFIC



UNDER CONSTRUCTION



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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

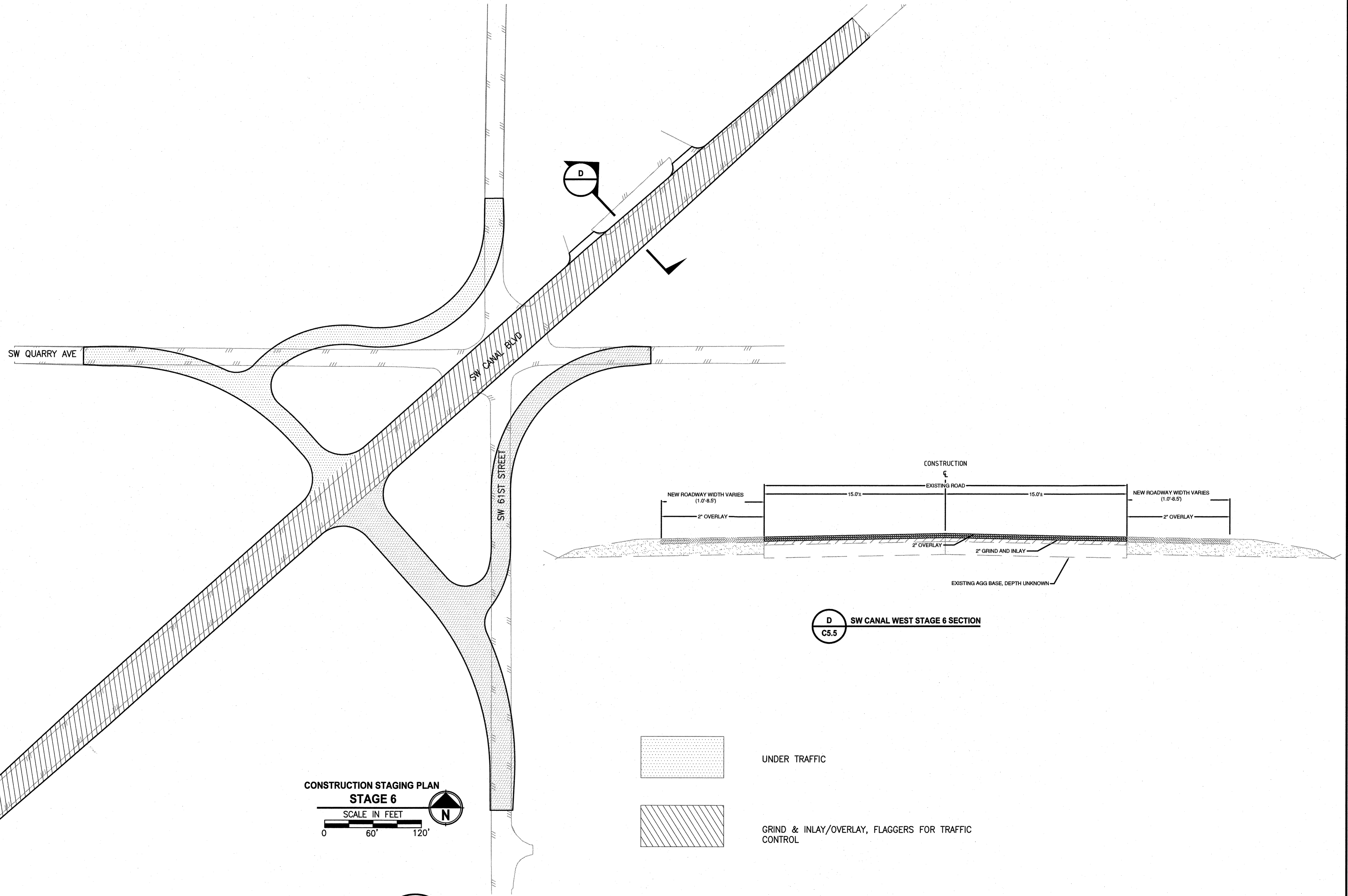
**CONSTRUCTION STAGING, STAGE 5**

DRAWING NO.  
17 OF 35  
**C5.4**

REVISIONS	DATE	BY	DESIGNED
			DR
			DR/LYF
			CHECKED RCJ
			APPROVED RCJ

<b>ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY</b>
FILE NAME Construction Staging
JOB No.
DATE

LAYOUT: C5.5 CONSTRUCTION STAGING STAGE 6 PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRH Design Phase\99Sves\CADD\DWG\SW-CORNERS\EXHIBITS PLOTTED BY: ricsdav DATE: Friday, May 3, 2019 11:27:32 AM



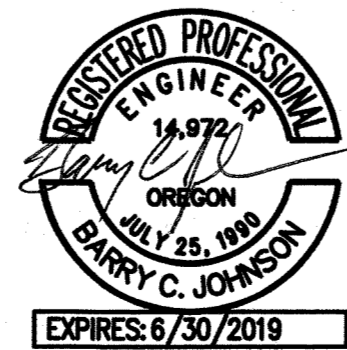
REVISIONS	DATE	BY	DESIGNED
			DR
			DR
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE,  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
Construction Staging

JOB No.

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PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

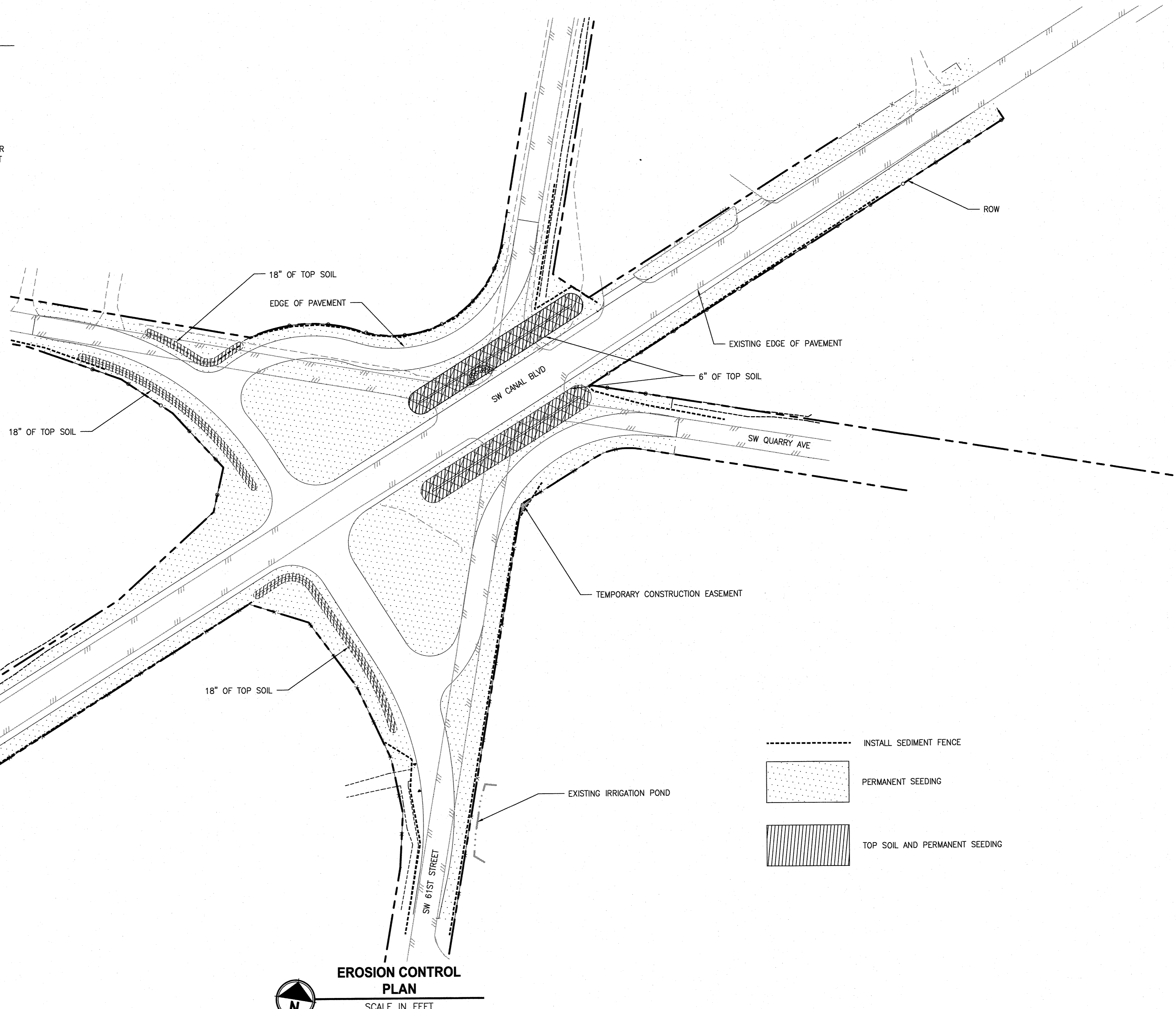
**CONSTRUCTION STAGING, STAGE 6**

DRAWING NO.  
18 OF 35

**C5.5**

**EROSION CONTROL NOTES:**

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
2. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION/SEDIMENT FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., CANALS), AND OTHER AREAS TO BE PRESERVED.
3. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED.
4. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES.
5. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, PAINT, AND CURING COMPOUNDS.
6. USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS.
7. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL.
8. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR.



- INSTALL SEDIMENT FENCE
- [Dotted Pattern] PERMANENT SEEDING
- [Hatched Pattern] TOP SOIL AND PERMANENT SEEDING

**EROSION CONTROL PLAN**

SCALE IN FEET

0      60'      120'

REVISIONS	DATE	BY	DESIGNED
			DR
			DR/LYF
			CHECKED
			APPROVED

**ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY**

FILE NAME: BE-2509-005.3-C6.0-ESC00

JOB No. \_\_\_\_\_

DATE \_\_\_\_\_



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PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**EROSION CONTROL PLAN**


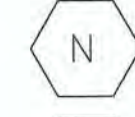



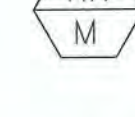
DRAWING NO.  
19 OF 35

**C6.0**

LAYOUT: C6.0 EROSION CONTROL PLAN      PATH: U:\Bend\Projects\Clients\Deschutes County\287-2509-005 OBRH Design Phase\995ves\CADD\DWG\SIX-CORNERS\C6.0'S      PLOTTED BY: riodav      DATE: Friday, May 3, 2019 11:27:56 AM

SIGNING AND STRIPING LEGEND  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS


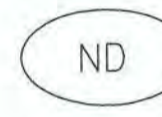


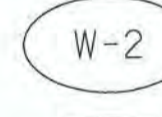

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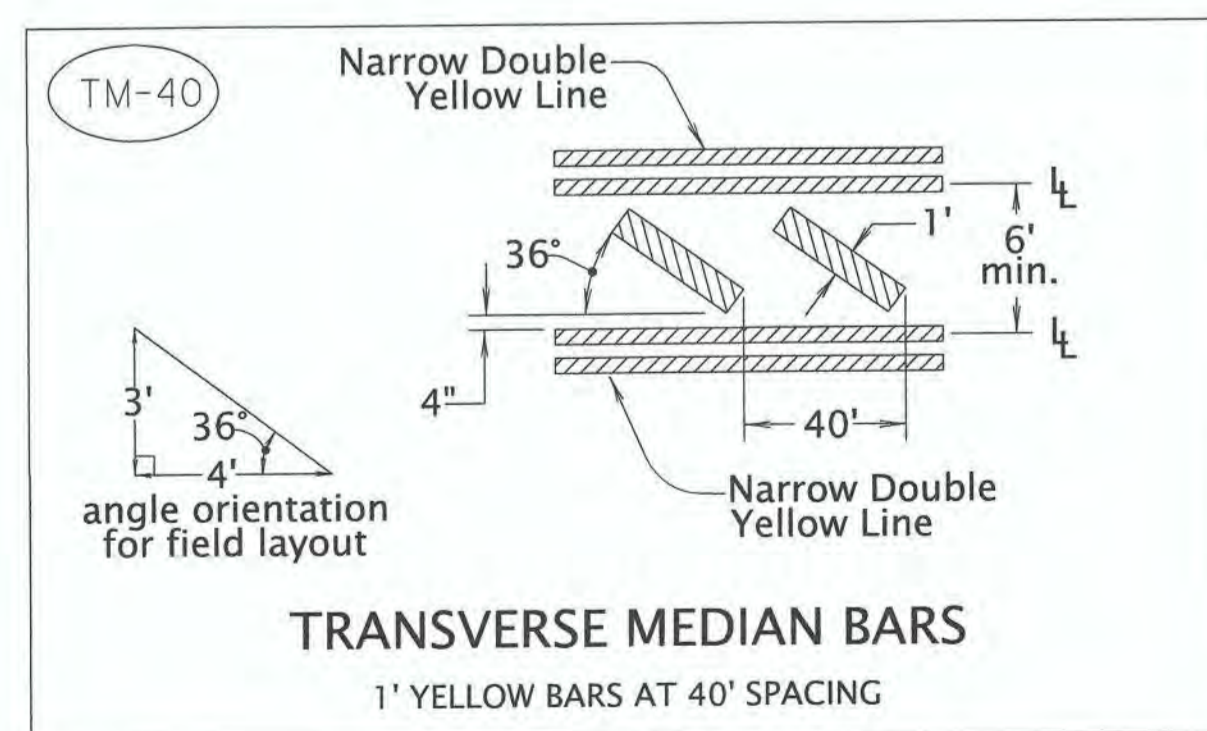
-  Install new (N) sign on new (M) sign support.
-  Install new sign (N).
-  Remove and save existing sign (n) and remove (M) sign support.
-  Reinstall existing sign (n) on new (M) sign support.
-  Maintain and protect existing sign (N) and (M) support.
-  Remove existing sign (N) and (M) support.

ABBREVIATIONS

N = Sign Number  
M = Material  
Material options:  
W = Wood Post  
ST = Perforated Steel Square Tube Sign Support

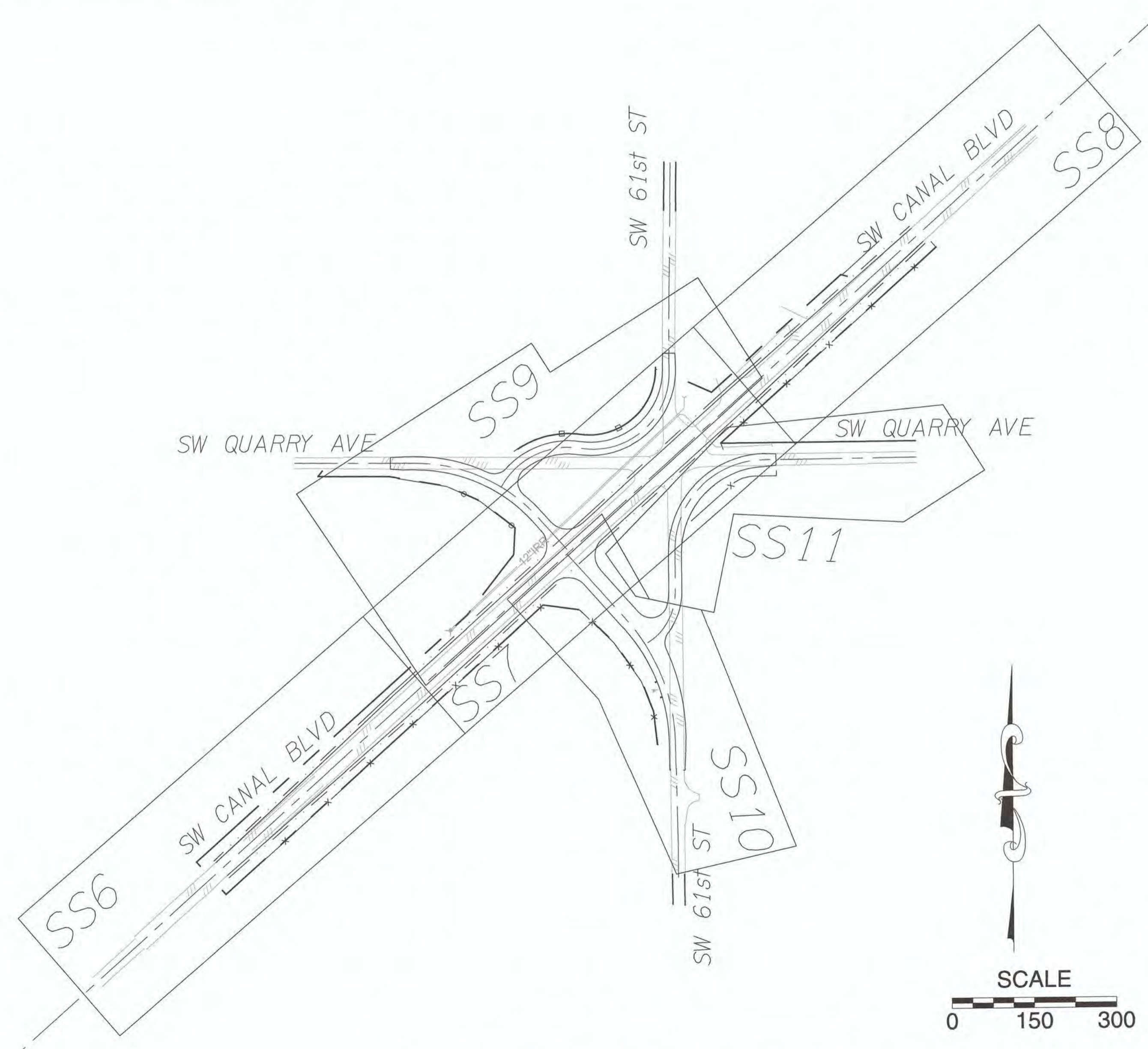
PAVEMENT MARKINGS LEGEND

-  Inst. left turn arrow (white)
-  Inst. narrow double no-pass
-  Inst. 12" white stop bar
-  Inst. 4" white line
-  Inst. 8" white line
-  Inst. yellow transverse median bars at 40' spacing  
See detail on this sheet



GENERAL NOTES

1. All signage and pavement marking shall conform to the requirements and specifications of the Manual on Uniform Traffic Control Devices (M.U.T.C.D.) latest edition, the Oregon supplement to the M.U.T.C.D., the Oregon Standard Specifications for Construction, and the project special provisions.
2. All pre-markings for pavement markings and striping, as well as signs locations shall be approved by the Engineer prior to final placement.
3. All longitudinal pavement markings shall be thermoplastic, extruded or sprayed, non-profiled.
4. All transverse bar and legend pavement markings shall be "Thermoplastic, Type AB."
5. All signs and sign supports removed from the project shall be salvaged to Deschutes County.
6. All delineators shall conform to ODOT Standard Drawings TM570 - TM576.

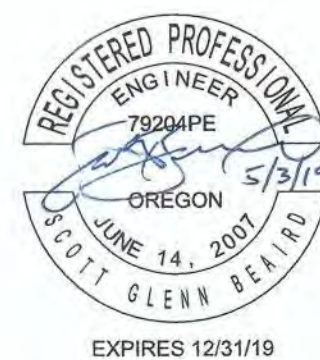


I N D E X   S C H E M A T I C

REVISIONS	DATE	BY	DESIGNED	DRAWN	CHECKED	APPROVED

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME: \_\_\_\_\_  
JOB No.: \_\_\_\_\_  
DATE: 5/3/2019

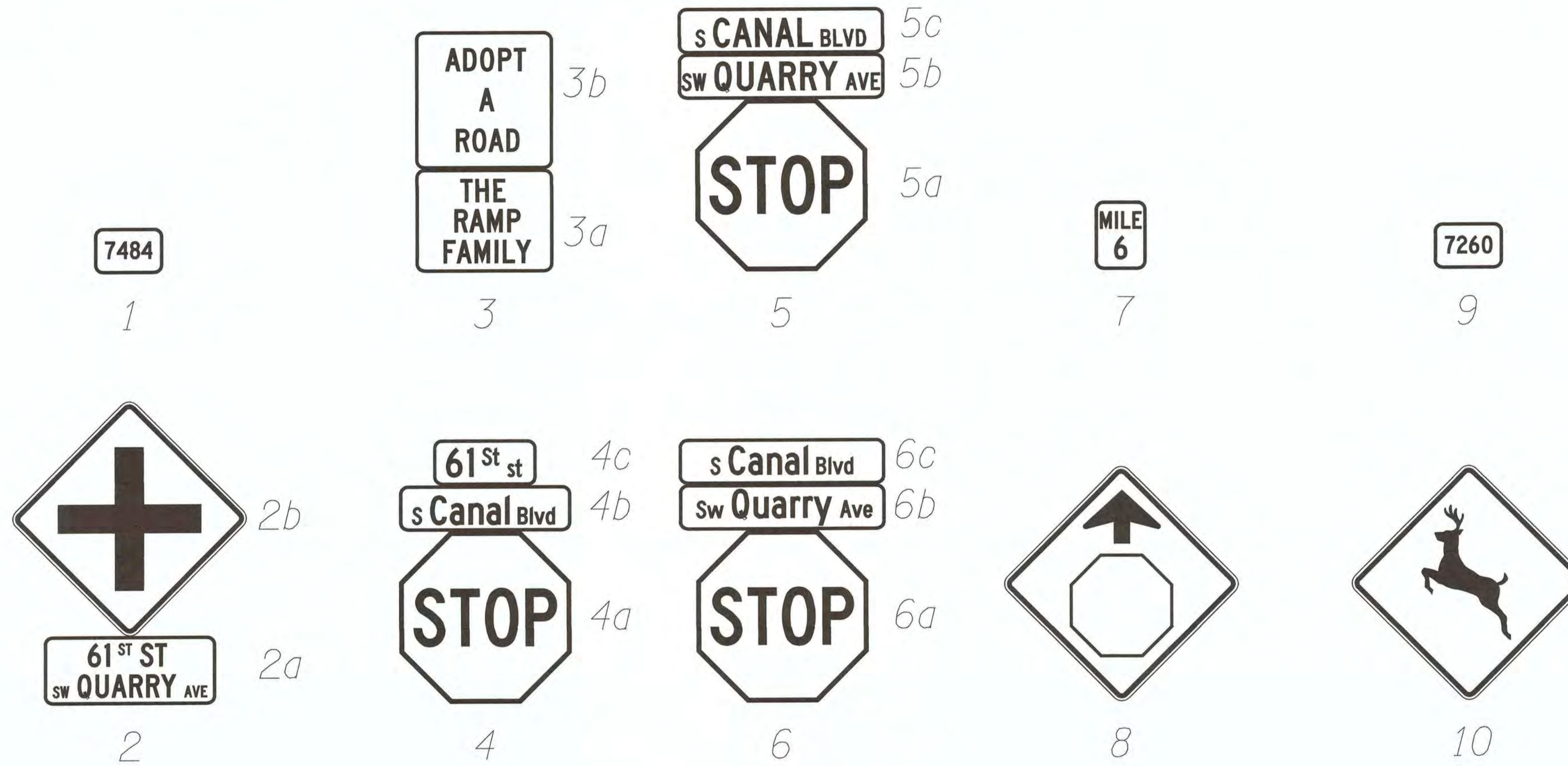


PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

**LEGEND**

DRAWING NO.  
20 OF 35  
**SS1**

EXISTING SIGN DETAILS  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS

EXISTING SIGN DETAILS

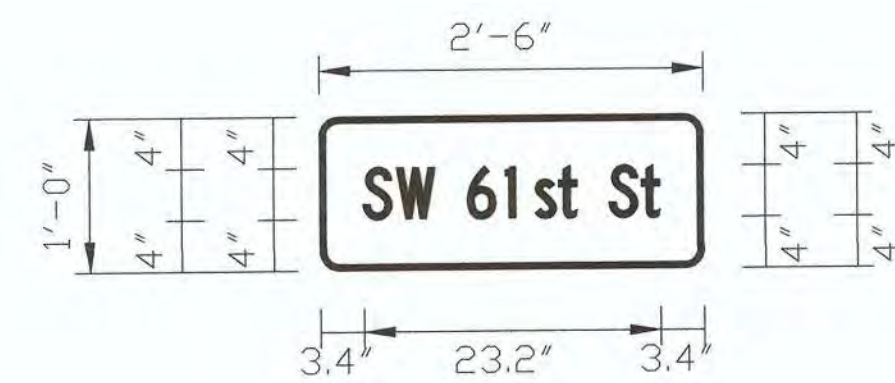
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SS2

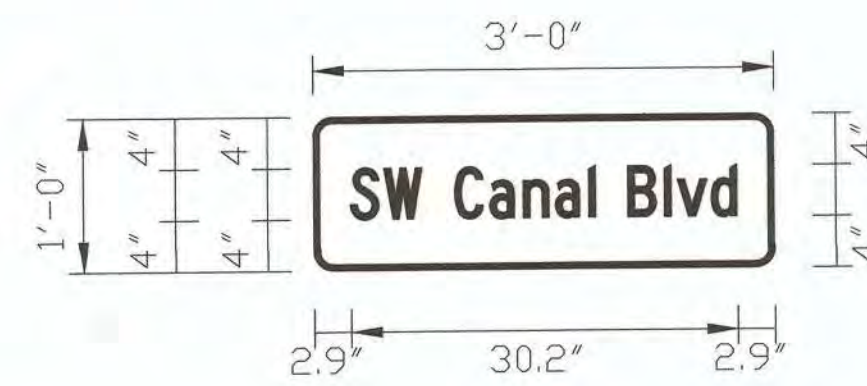
PROPOSED SIGN DETAILS  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



Sign No. 101  
MUTCD No. R1-1



Sign No. 103  
MUTCD No. D3-1



Sign No. 105  
MUTCD No. D3-1



Sign No. 107  
MUTCD No. W1-3  
MUTCD No. W13-1P

107a

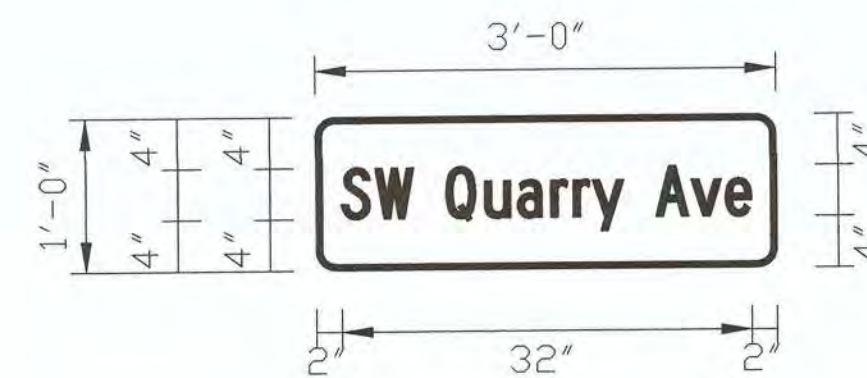
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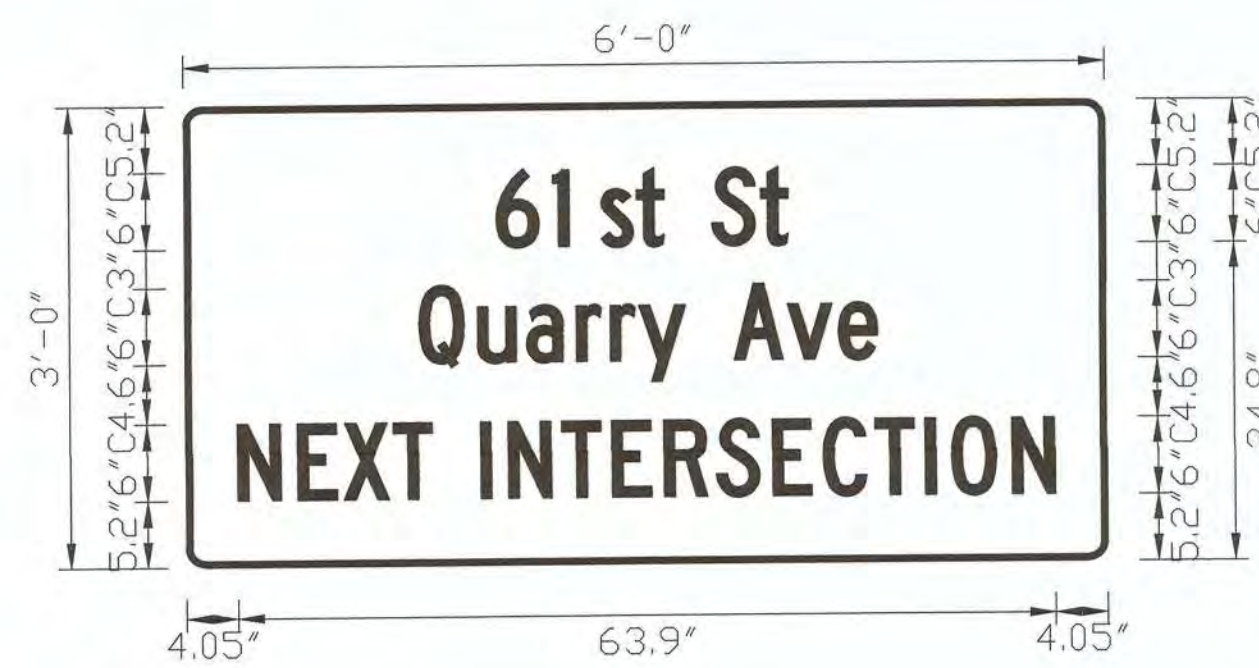
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MUTCD No. OM-3L



Sign No. 102  
MUTCD No. W3-1



Sign No. 104  
MUTCD No. D3-1



Sign No. 106  
MUTCD No. D3-2



Sign No. 108  
MUTCD No. W1-6



Sign No. 110  
MUTCD No. OM-3R

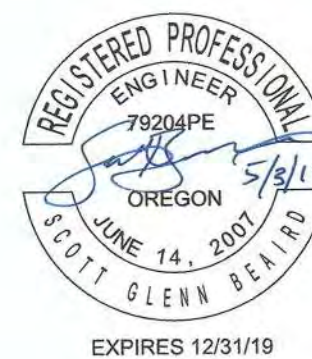
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			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE,  
IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

PROPOSED SIGN DETAILS


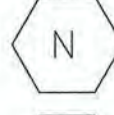



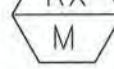
DRAWING NO.  
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SS3



SIGNING AND STRIPING LEGEND  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS






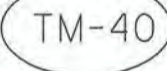
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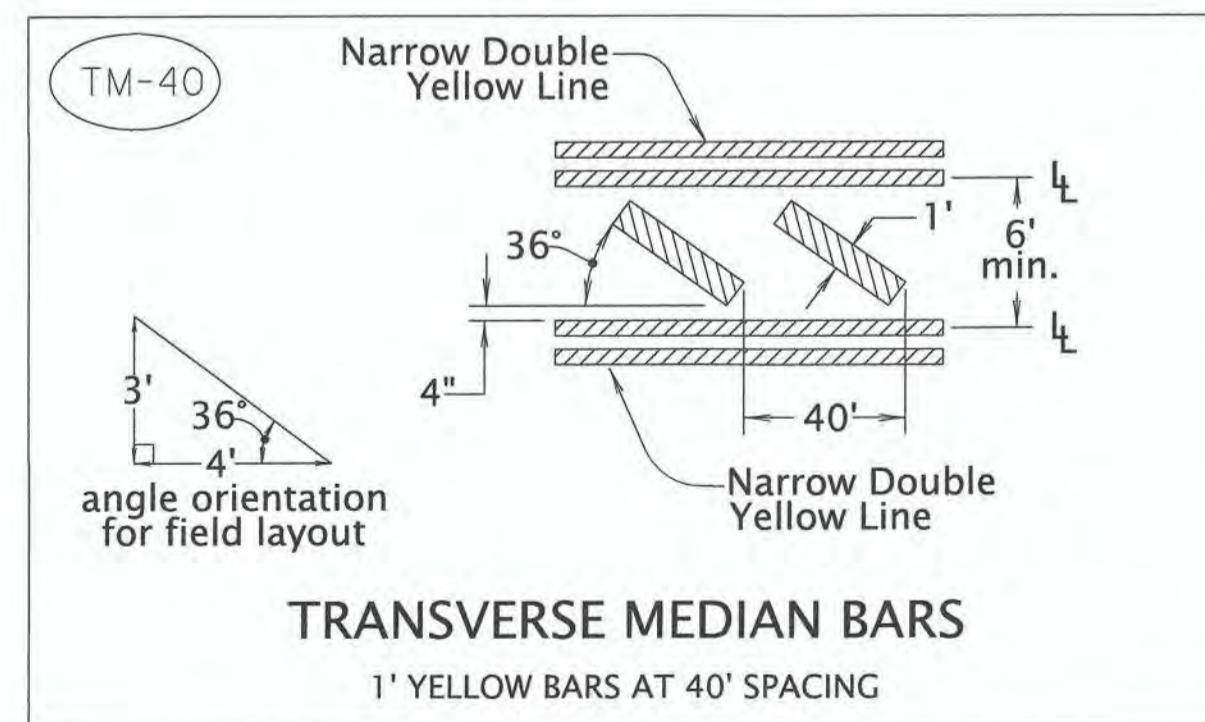
-  Install new (N) sign on new (M) sign support.
-  Install new sign (N).
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-  Maintain and protect existing sign (N) and (M) support.
-  Remove existing sign (N) and (M) support.

ABBREVIATIONS

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- M = Material
- Material options:
- W = Wood Post
- ST = Perforated Steel Square Tube Sign Support

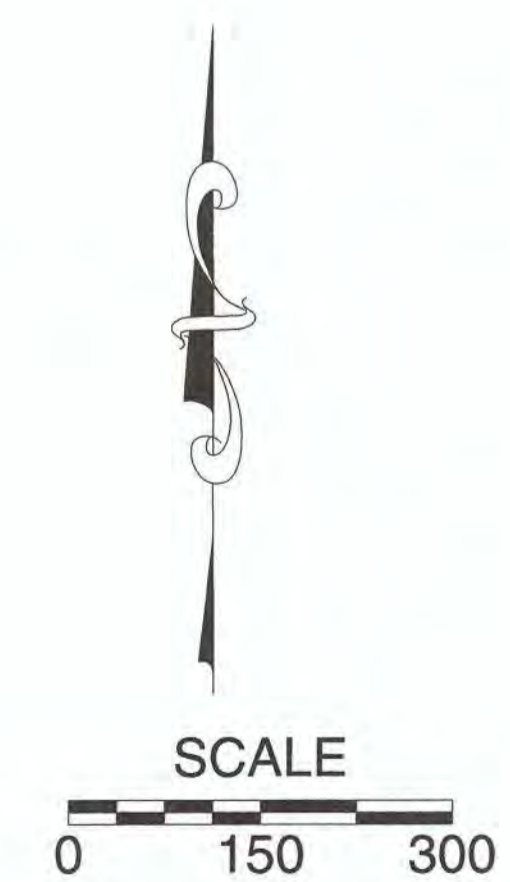
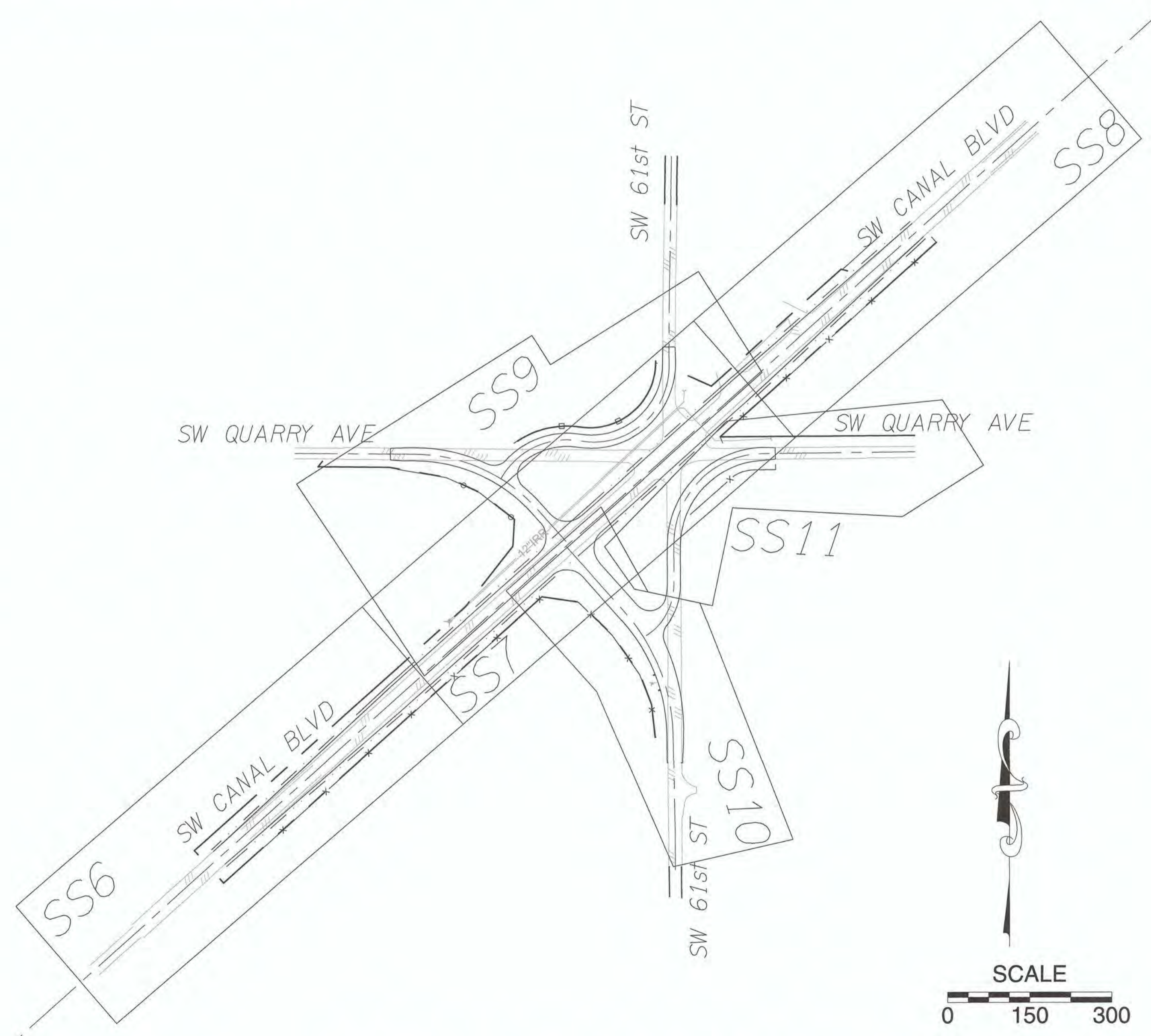
PAVEMENT MARKINGS LEGEND

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INDEX SCHEMATIC

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

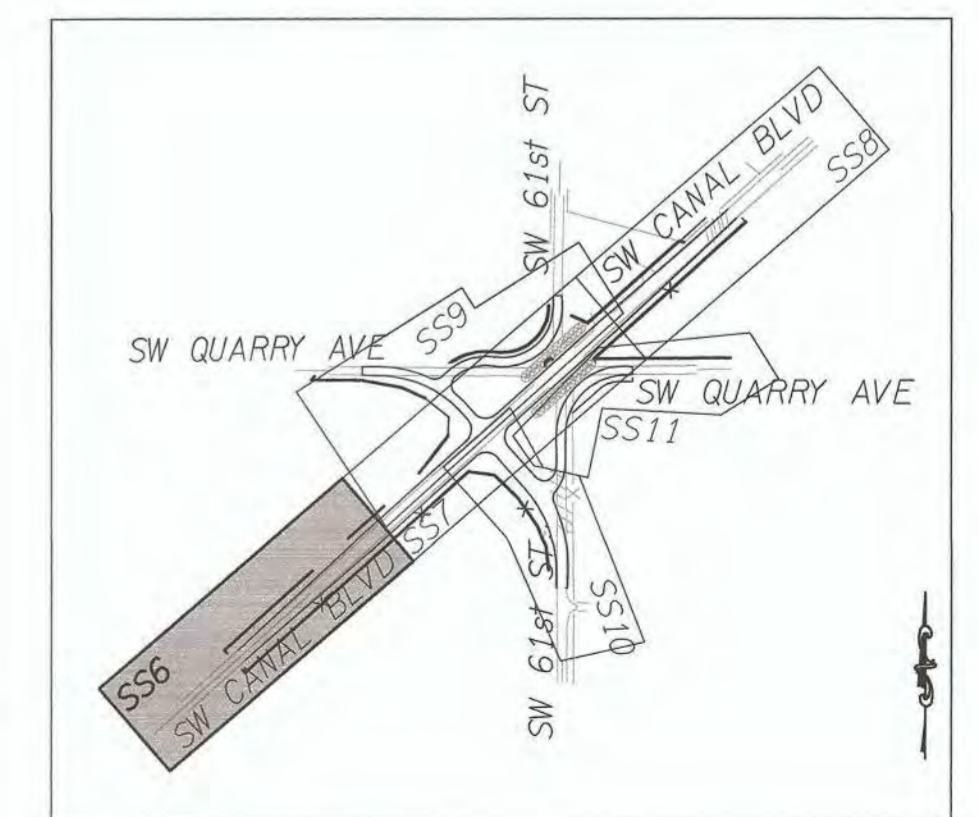
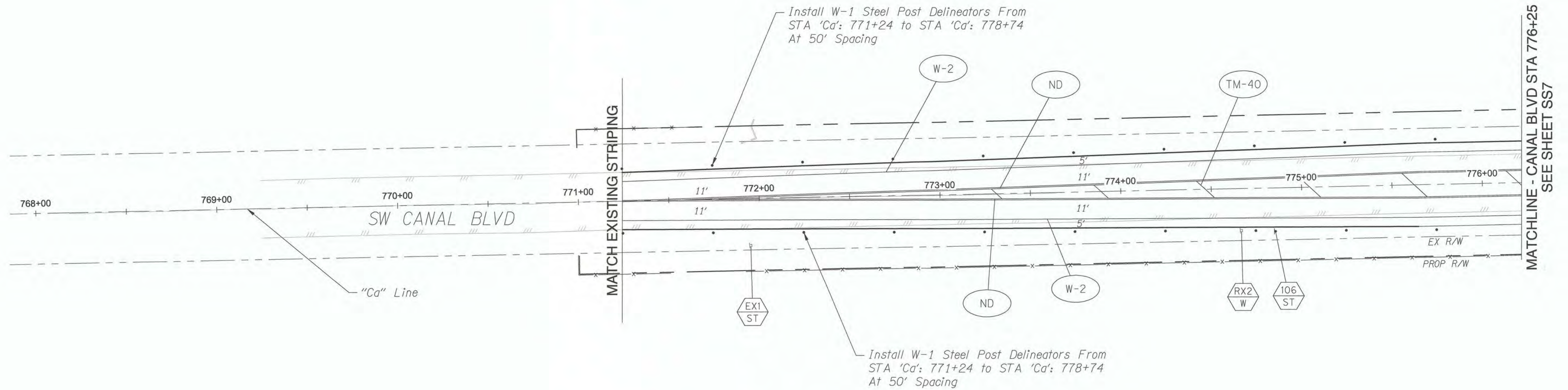
LEGEND

DRAWING NO.  
 20 OF 35  
**SS1**





SIGNING & STRIPING PLAN CANAL BLVD  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

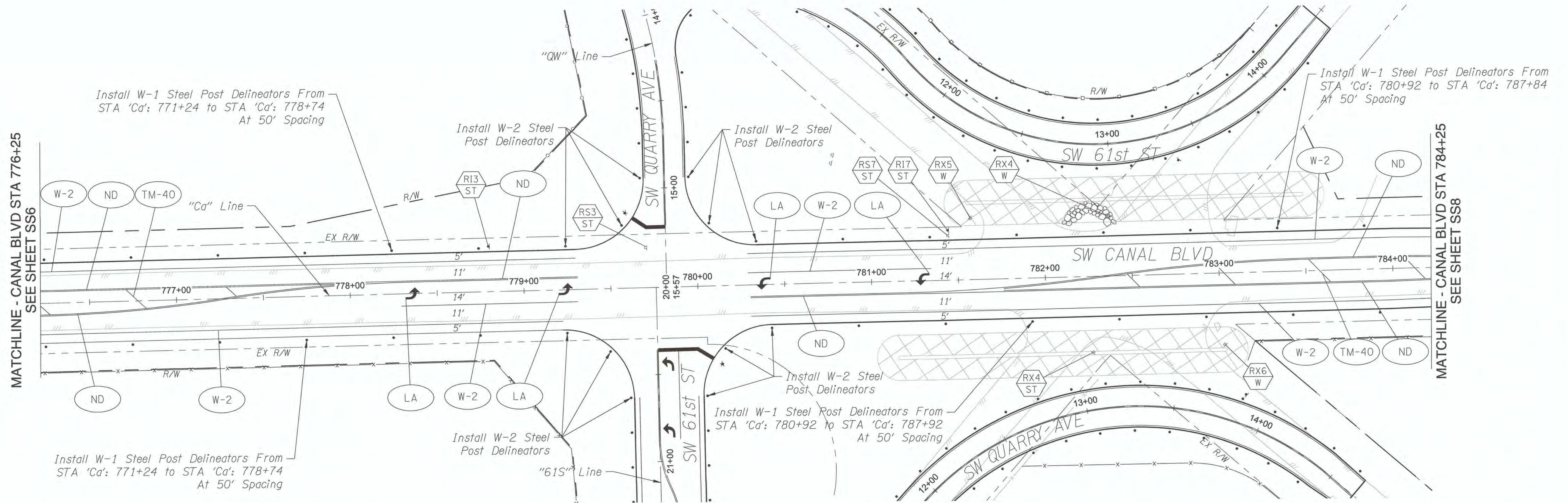
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN  
 CANAL BLVD

DRAWING NO.  
 25 OF 35

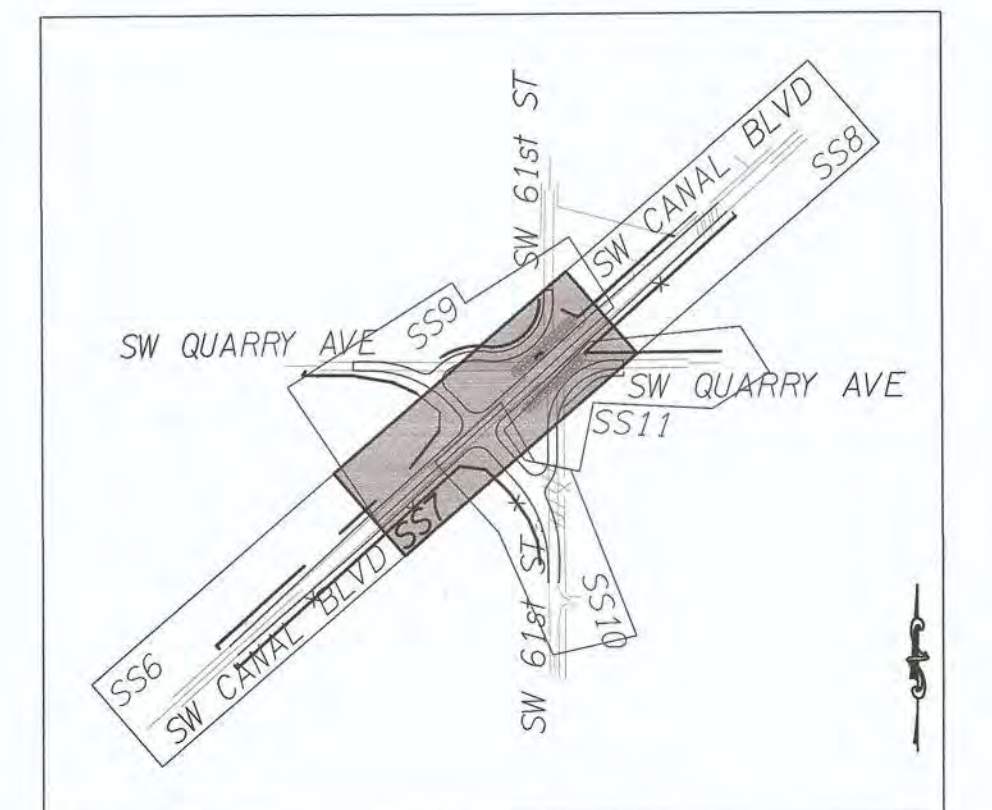
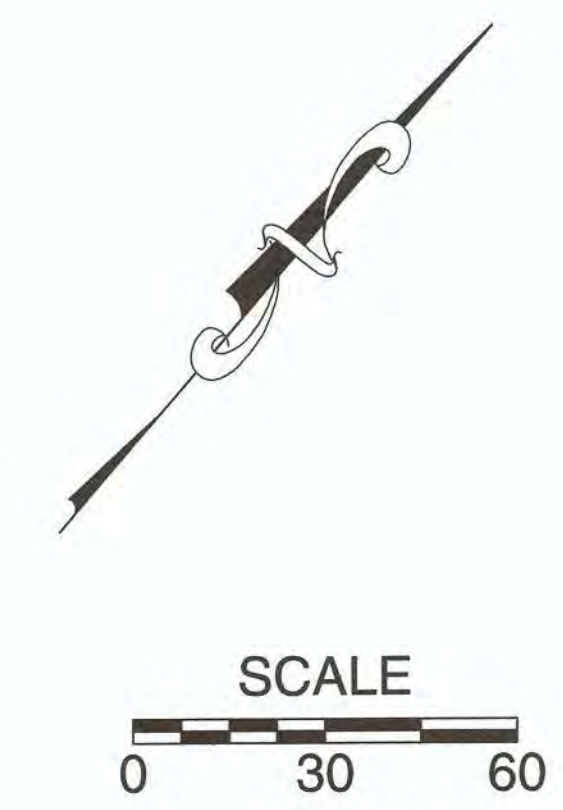
SS6

SIGNING & STRIPING PLAN CANAL BLVD  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



MATCHLINE - CANAL BLVD STA 776+25  
SEE SHEET SS6

MATCHLINE - CANAL BLVD STA 784+25  
SEE SHEET SS8



REVISIONS	DATE	BY	DESIGNED SGB

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE  
5/3/2019

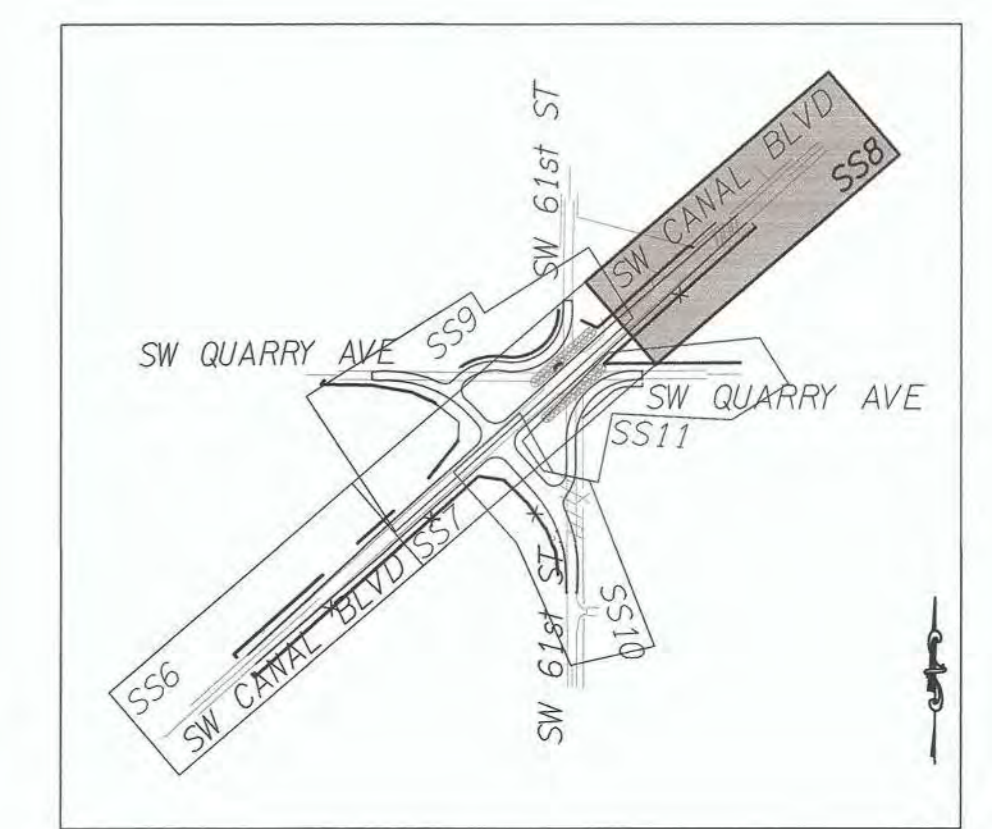
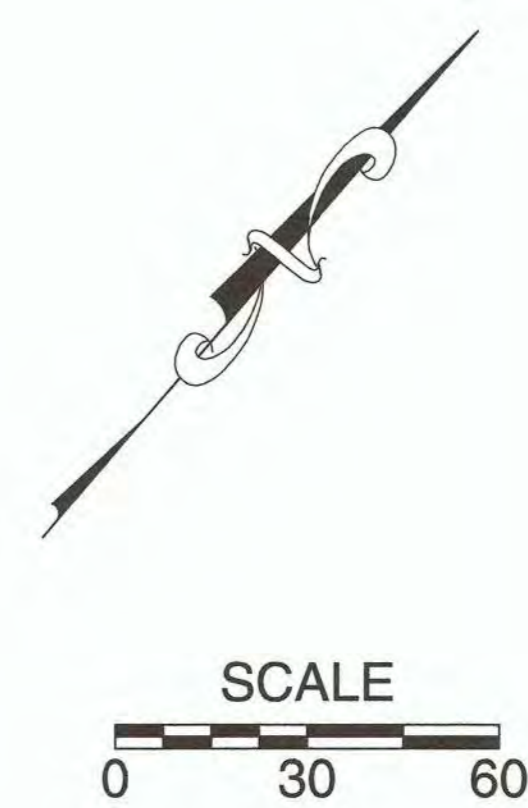
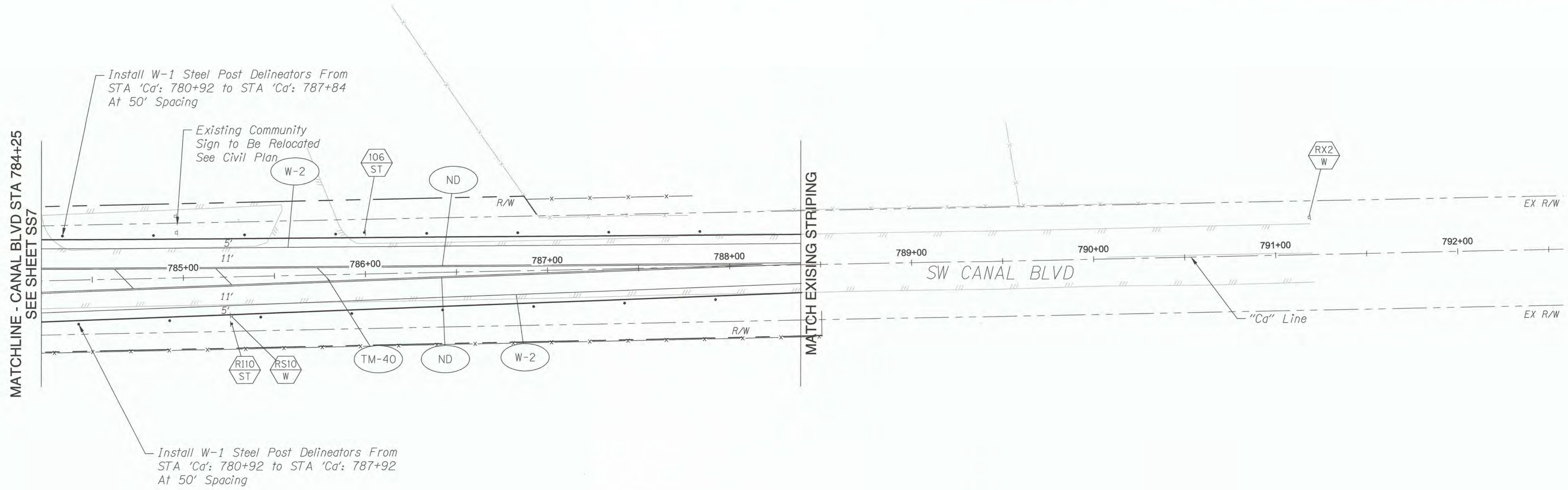


PROJECT NAME  
SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN  
CANAL BLVD

DRAWING NO.  
26 OF 35  
SS7

SIGNING & STRIPING PLAN CANAL BLVD  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019

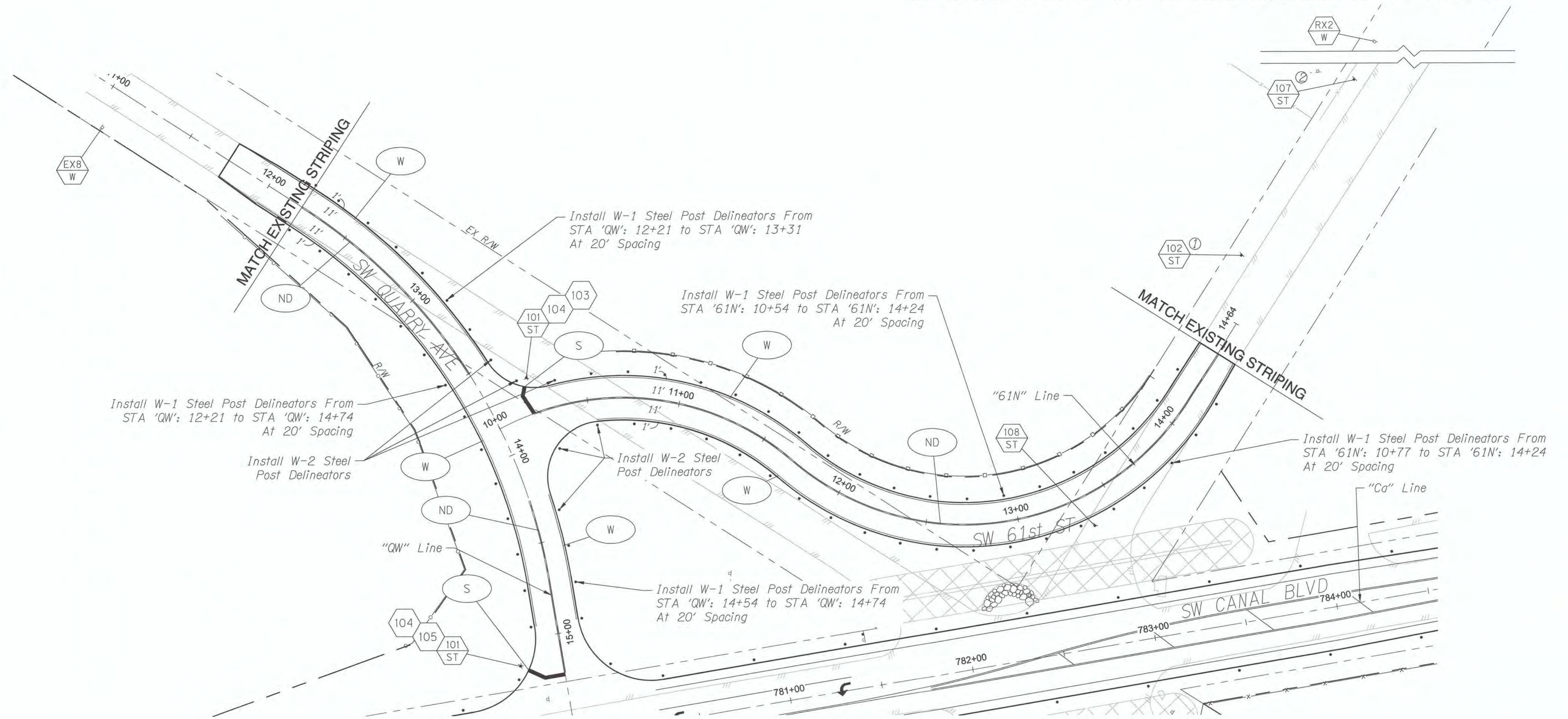


PROJECT NAME  
 SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN  
 CANAL BLVD

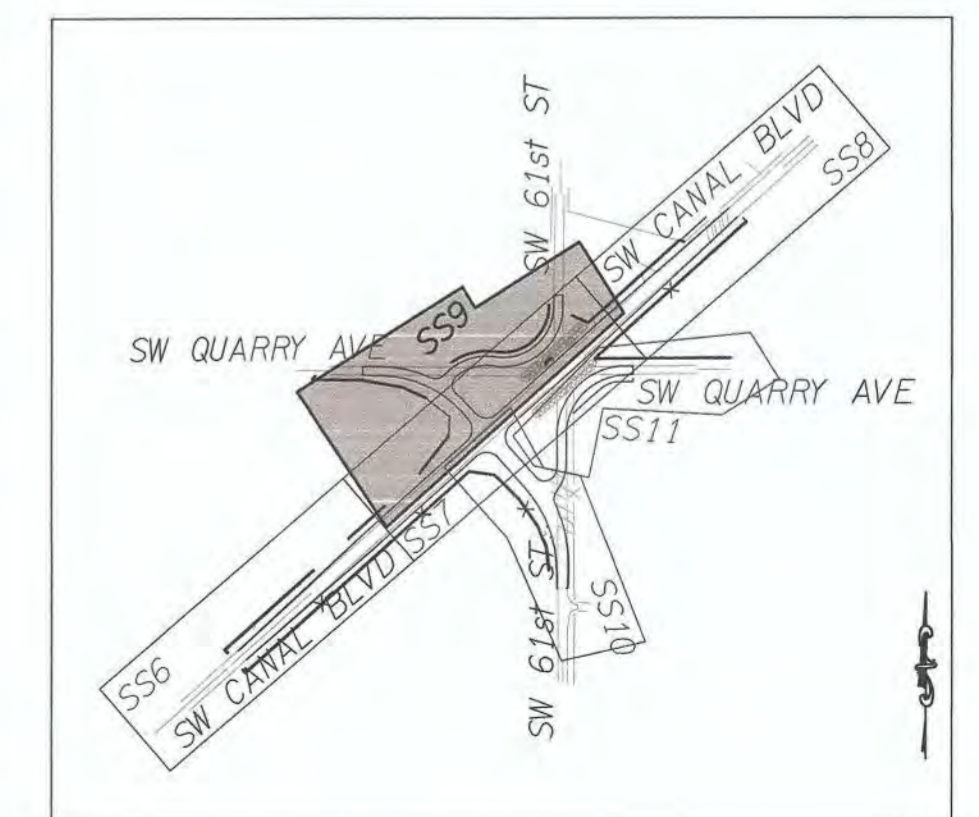
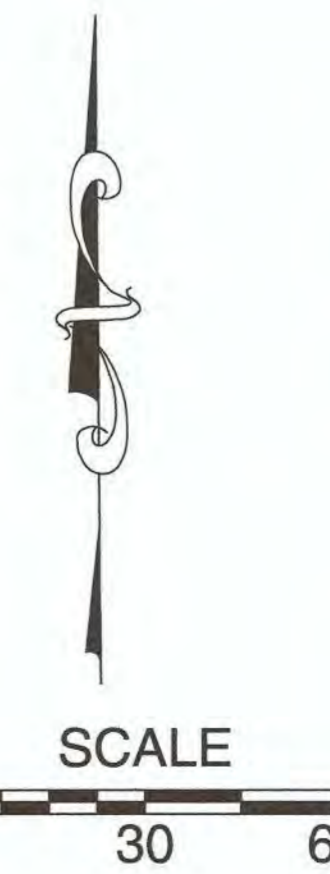
DRAWING NO.  
 27 OF 35  
 SS8

SIGNING & STRIPING PLAN QUARRY AVE  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



CONSTRUCTION NOTES

- ① Install new sign assembly 5' from edge of existing asphalt and 70' from last delineator
- ② Install new sign assembly 5' from edge of existing asphalt and 115' from sign 102



PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

**SIGNING & STRIPING PLAN  
QUARRY AVE**

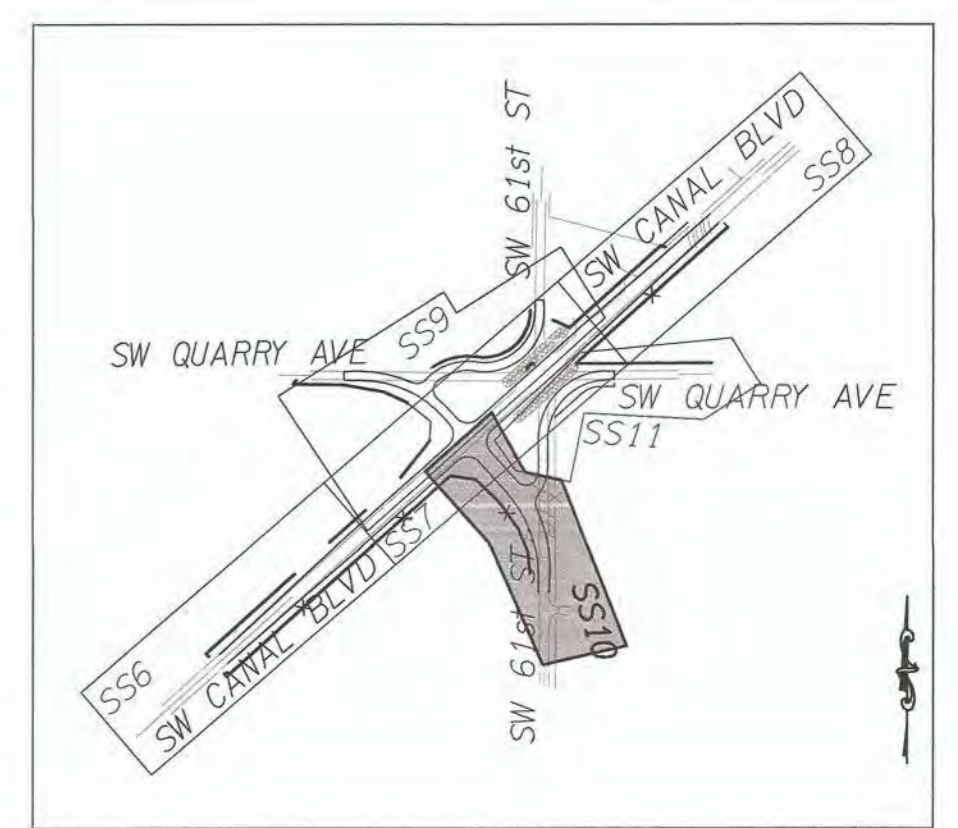
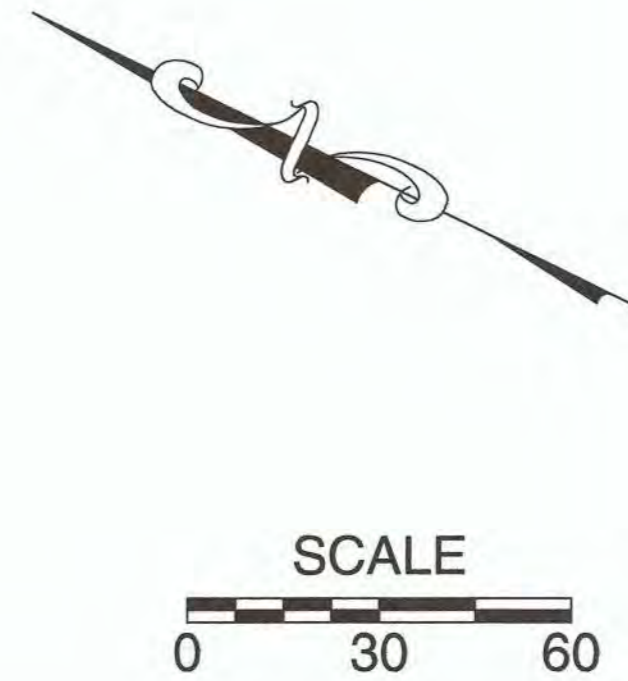
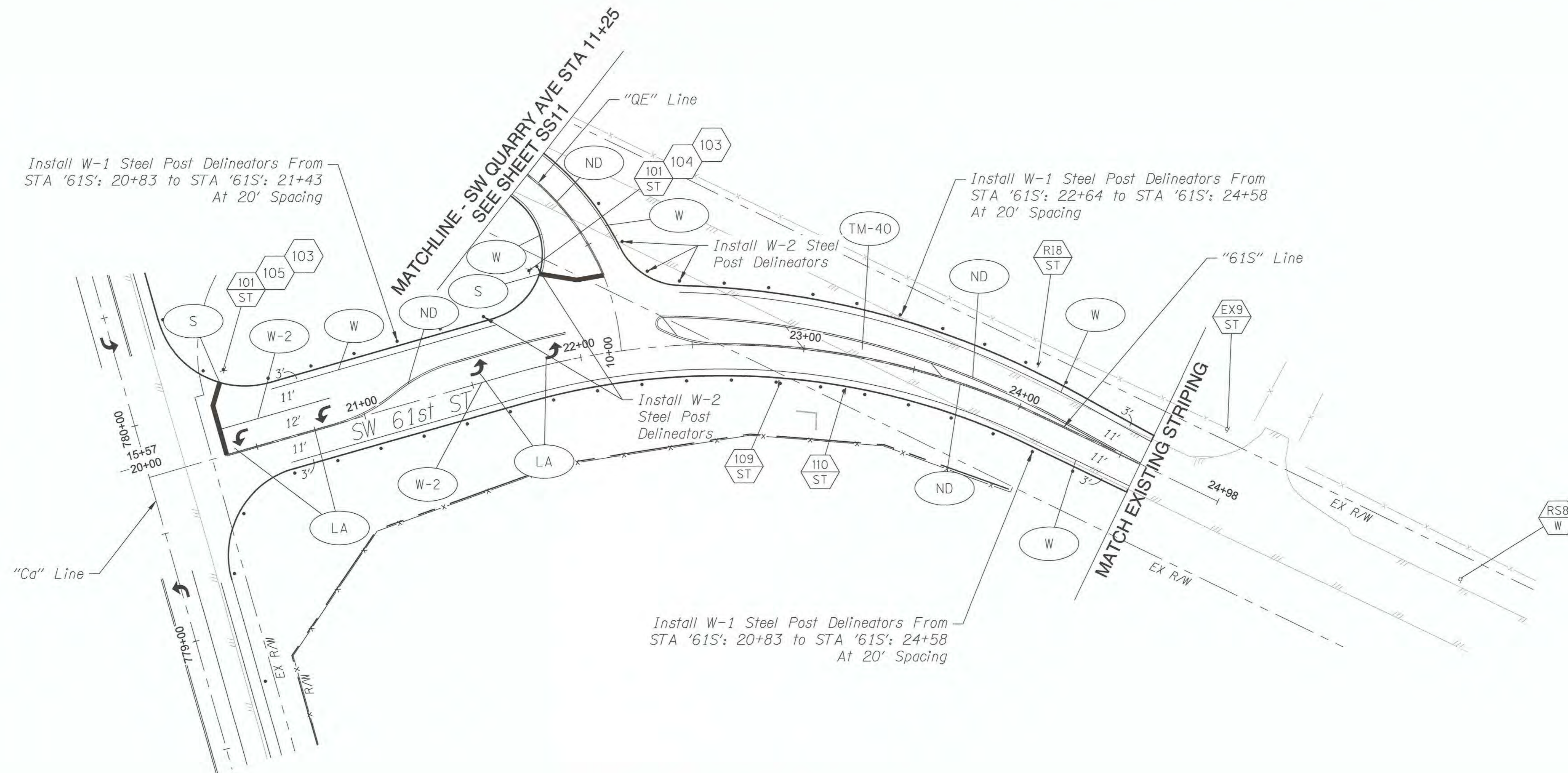
DRAWING NO.  
28 OF 35  
**SS9**

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

**ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY**

FILE NAME  
JOB No.  
DATE  
5/3/2019

SIGNING & STRIPING PLAN 61ST ST  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS**

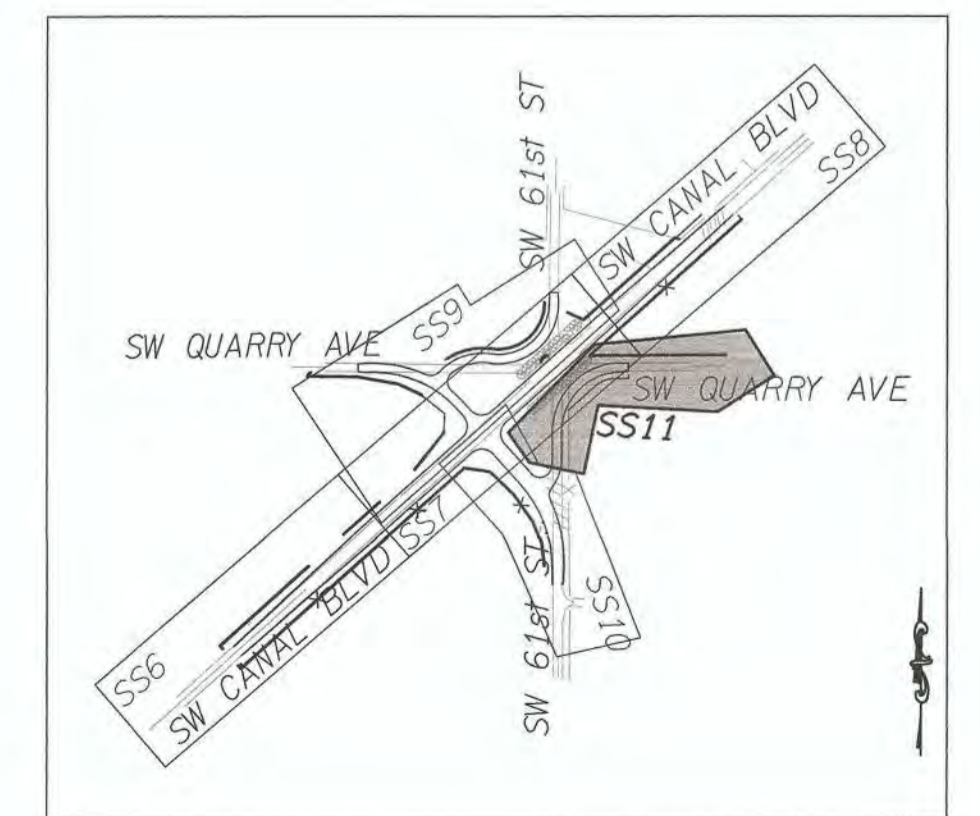
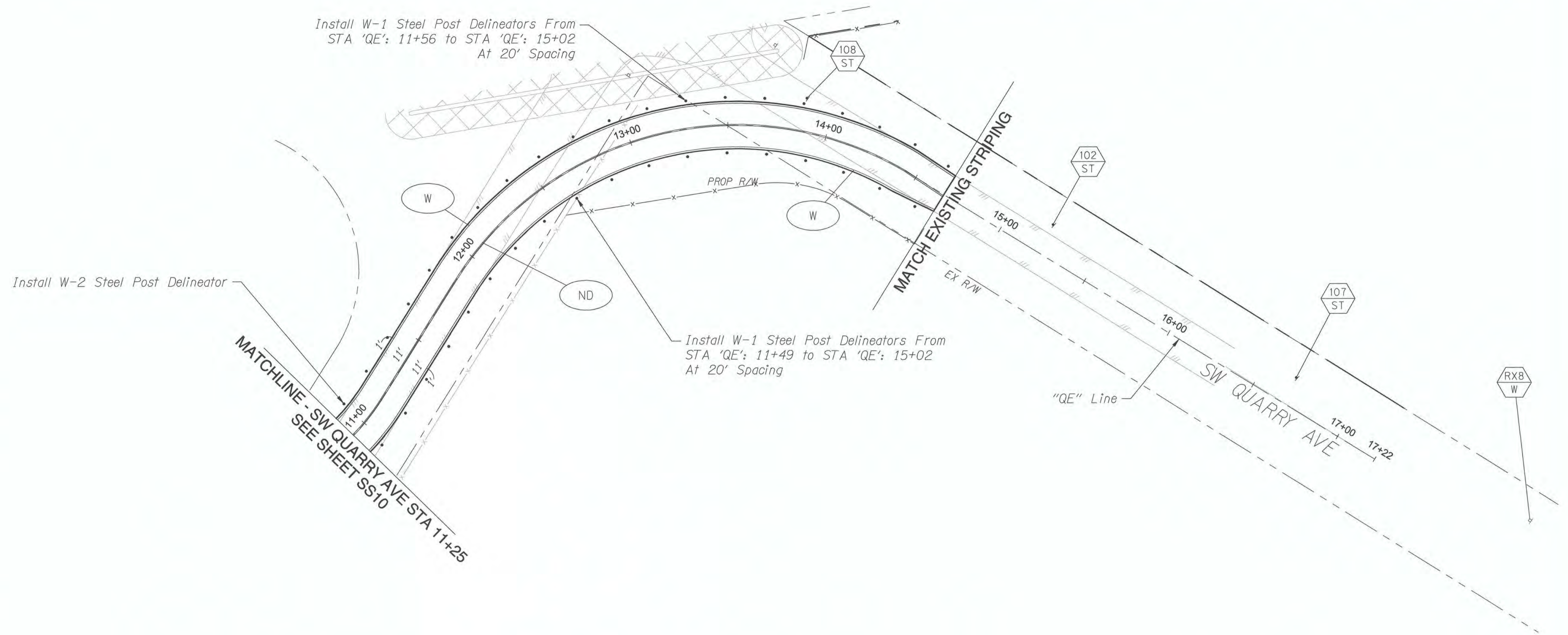
**SIGNING & STRIPING PLAN  
 61ST ST**

DRAWING NO.  
 29 OF 35  
**SS10**

REVISIONS	DATE	BY	DESIGNED

**ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY**  
 FILE NAME  
 JOB No.  
 DATE 5/3/2019

SIGNING & STRIPING PLAN SW QUARRY AVE  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



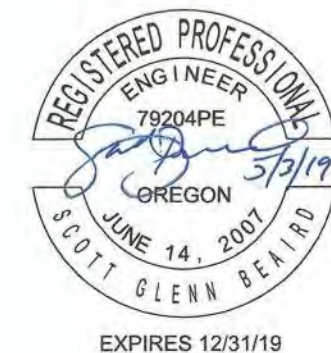
REVISIONS	DATE	BY	DESIGNED
			SGB
			JDS
			HJS
			SGB

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME  
SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN  
SW QUARRY AVE

DRAWING NO.  
30 OF 35  
SS11

DETOUR PLAN - STAGE 2  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

**ROAD CLOSED TO THRU TRAFFIC LOCAL ACCESS ONLY** 60"x30"

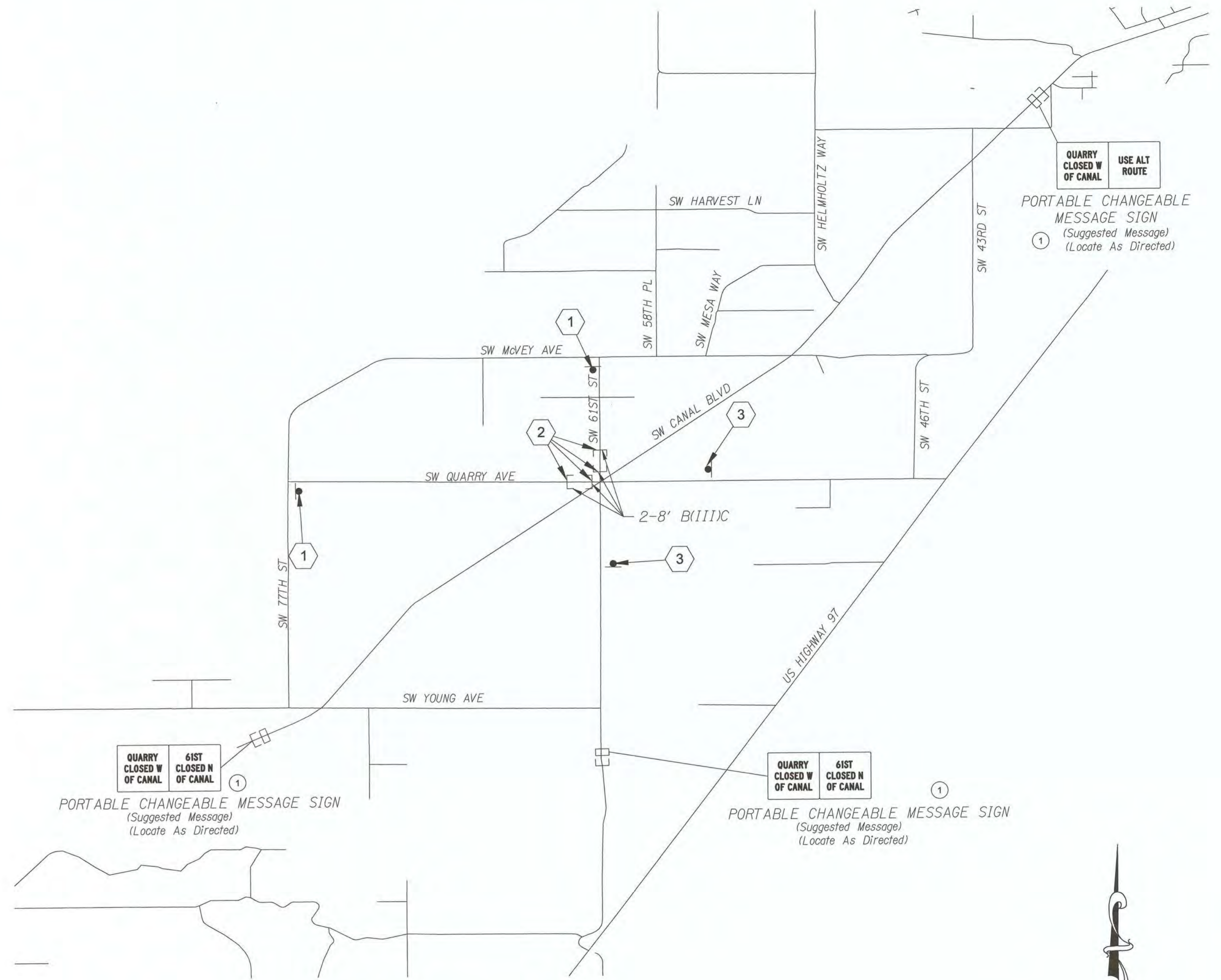
1

**ROAD CLOSED** 48"x30"

2

**ROAD CLOSED AHEAD** 36"x36"

3



GENERAL NOTES

- All sign dimensions listed in inches unless otherwise noted.
- Maintain and protect existing signs.
- Ensure a minimum of 100' spacing between existing and temporary signs.

LEGEND

- Type III Barricade
- Post Mounted Detour Sign

CONSTRUCTION NOTES

- Portable Changeable Message Signs To Remain On Project Throughout Construction And Be Located As Directed.

FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED
			SGB
			JDS
			HJS
			SGB

**ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY**  
FILE NAME  
JOB No.  
DATE 5/3/2019



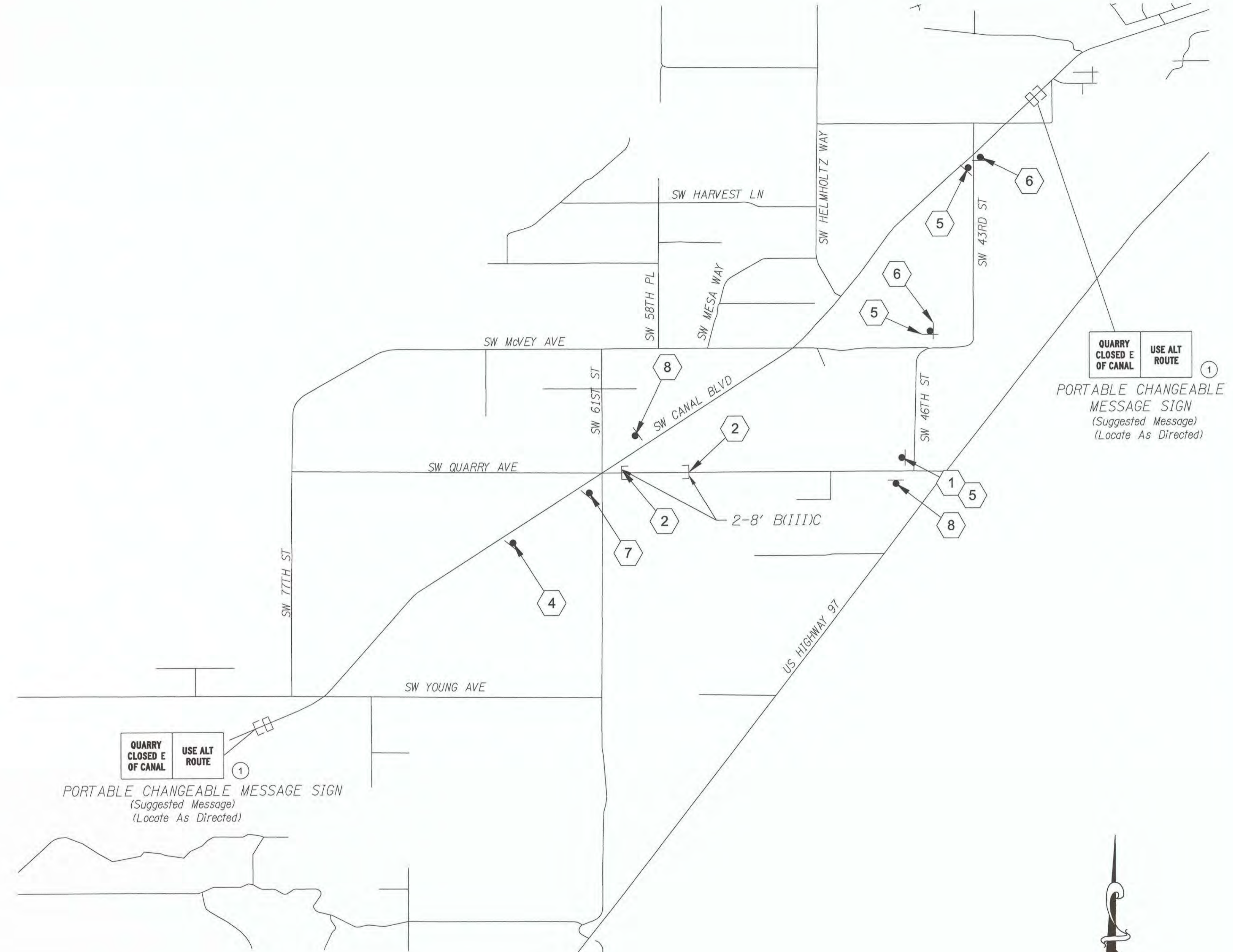
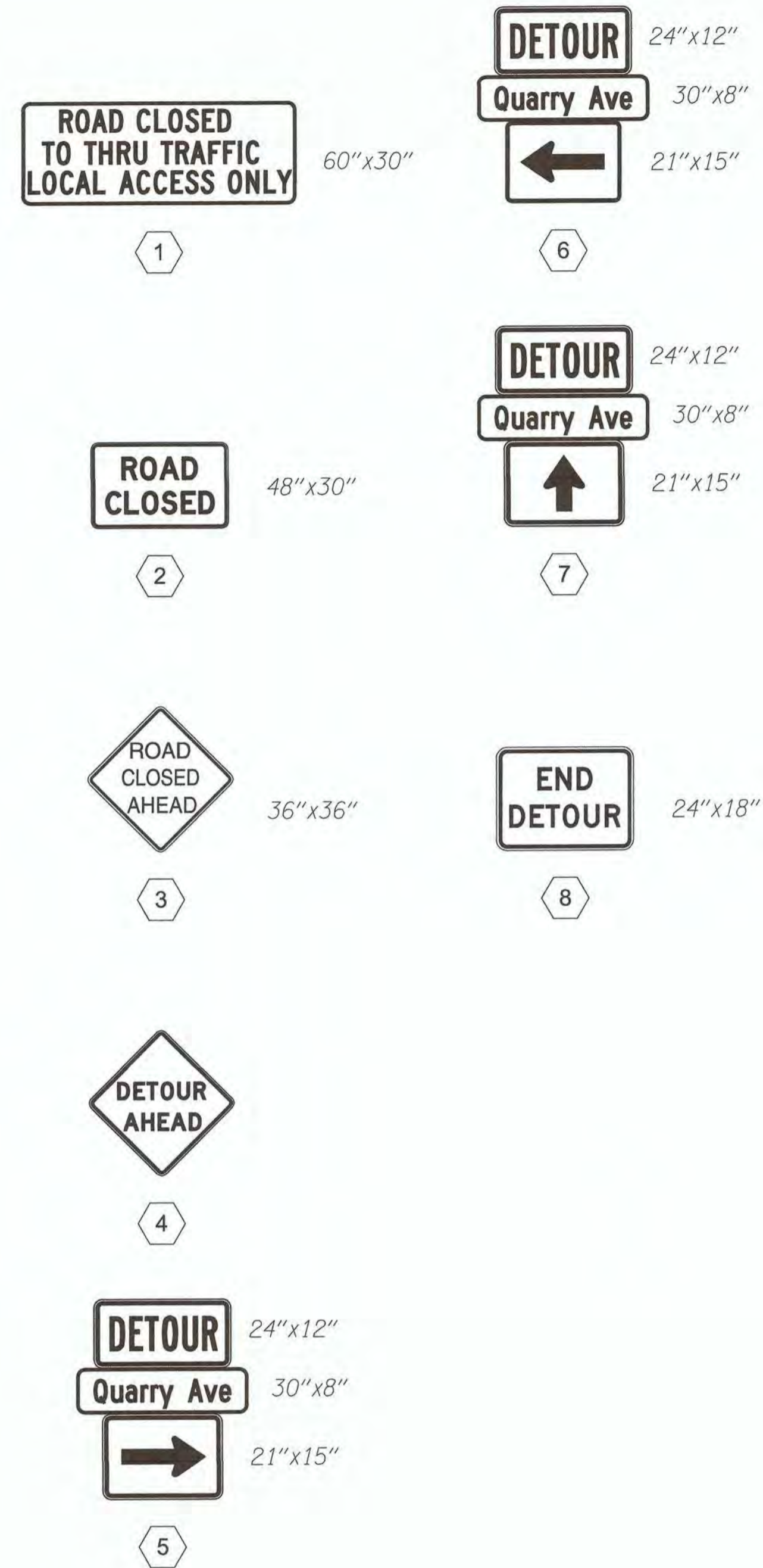
PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**DETOUR PLAN - STAGE 2**

DRAWING NO.  
**31 OF 35**  
SS12



DETOUR PLAN - STAGES 3 & 5  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



GENERAL NOTES

1. All sign dimensions listed in inches unless otherwise noted.
2. Maintain and protect existing signs.
3. Ensure a minimum of 100' spacing between existing and temporary signs.

LEGEND

- Type III Barricade
- Post Mounted Detour Sign

CONSTRUCTION NOTES

- ① Portable Changeable Message Signs To Remain On Project Throughout Construction And Be Located As Directed.

REVISIONS	DATE	BY	DESIGNED
			SGB
			JDS
			HJS
			SGB

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.</b>	
FILE NAME	
JOB No.	
DATE	5/3/2019



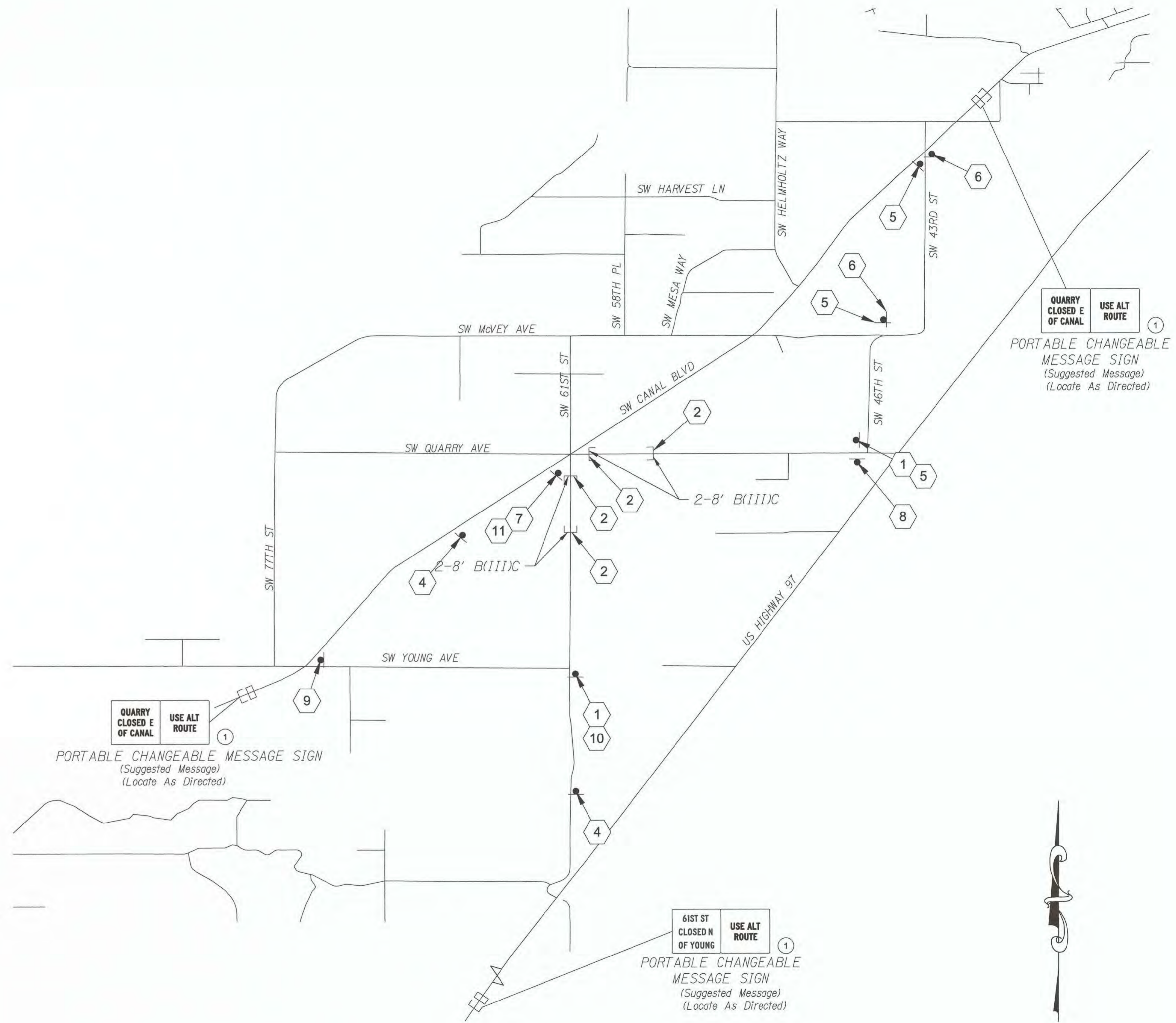
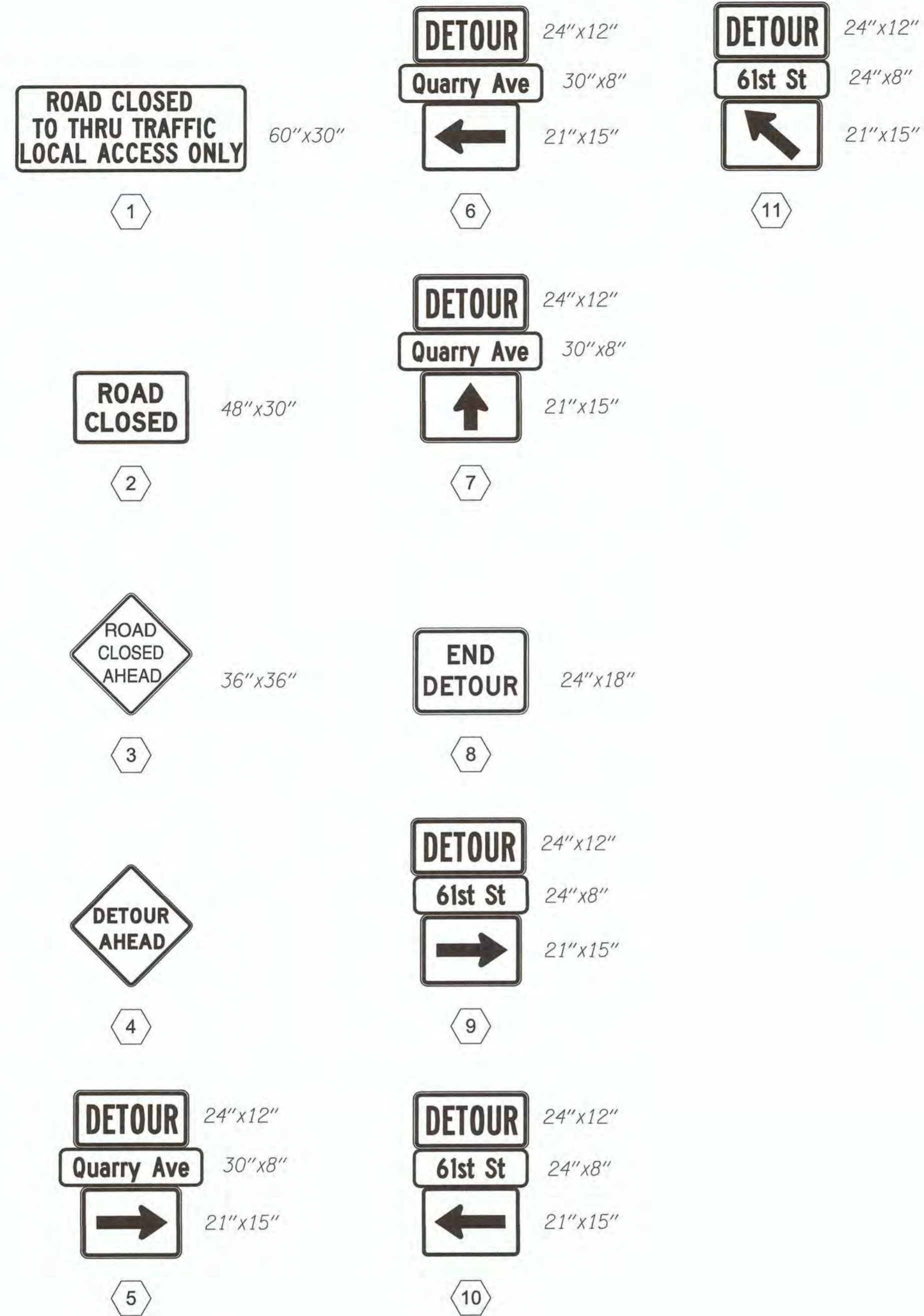
PROJECT NAME	SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS
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DETOUR PLAN - STAGES 3 & 5
----------------------------

DRAWING NO.	32 OF 35
SS13	

FOR BIDDING REFERENCE ONLY

DETOUR PLAN - STAGE 4  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



GENERAL NOTES

1. All sign dimensions listed in inches unless otherwise noted.
2. Maintain and protect existing signs.
3. Ensure a minimum of 100' spacing between existing and temporary signs.

LEGEND

- Type III Barricade
- Post Mounted Detour Sign

CONSTRUCTION NOTES

1. Portable Changeable Message Signs To Remain On Project Throughout Construction And Be Located As Directed.

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JOS
			CHECKED
			HUS
			APPROVED
			SGB

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY.

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

DETOUR PLAN - STAGE 4

DRAWING NO.  
33 OF 35

SS14

FOR BIDDING REFERENCE ONLY

**LEGEND**

- (FDN)** Install Central Electric Cooperative approved street light sleeve for embedded street light pole. See Central Electric Cooperative drawing number SR\_210. Sleeve shall be 14" diameter PVC or galvanized steel. Use 3/4" gravel to level sleeve as necessary.
- (JB 1A)** Install 10"W X 17"L X 12"H precast junction box with concrete apron.
- (JB 2A)** Install 12"Wx22"Lx12"H (min. dimension) precast concrete junction box with concrete apron
- (LP)** Central Electric Cooperative to furnish and install new Central Electric Cooperative approved street light. Street light pole shall be HAPCO embedded aluminum alloy light pole (Model No. RTA25C7BEM1B) and street light shall be Cree (Model: BXSP C HT 3ME E 40K-UL SV with backlight shield). See "Street Light Pole Schedule".
- (N)** Light pole number (XX), see "Street Light Pole Schedule".
- (PL)** Install poly pull line (500# minimum strength).
- (PS 2)** Power source for 120/ 240 volt, single phase (field locate).
- (S)** Install (S) inch electrical grade sch 40 pvc conduit.
- (SC N)** Install 120/240 volt, single phase un-metered service cabinet N (N = Number)
- (W)** Install conduit and wire as required by power company

**GENERAL NOTES**

1. All construction, workmanship, and materials shall be in accordance with Central Electric Cooperative electric service requirements.
2. Foundations, junction boxes, and conduit shall be installed at locations shown on plans. If conflicts arise, foundation, junction box, and conduit locations may be modified in the field per the engineer's approval. All lighting equipment must be placed within the right-of-way. Place conduit in same trench as other conduits whenever possible.
3. Location of existing utilities shall be verified. Coordinate all work with utility companies to eliminate conflicts.
4. All proposed street lighting junction boxes, conduits, pull ropes, and street light sleeves shall be installed by contractor per Central Electric Cooperative requirements.
5. All street light poles, luminaire arms, luminaires, lamps, pedestals, and wiring shall be furnished and installed by Central Electric Cooperative.
6. Final light pole locations shall be approved in the field by the engineer prior to foundation installation.
7. This illumination plans set is accompanied by Oregon Standard Drawing TM472.
8. All conduit elbows shall be factory made and be long radius 36". For conduit runs longer than 150' or containing more than 270 degrees of bends, elbows shall be fiberglass.
9. Contractor to coordinate with Central Electric Cooperative ten (10) business days in advance of commencing illumination work.
10. All conduit runs shall be approved by Central Electric Cooperative before backfill.
11. Cover and protect all new light pole sleeves.
12. Conduit trenches not crossing a roadway shall be backfilled in accordance with Central Electric Cooperative (CEC) requirements. Conduit trenches crossing new roadway alignments shall be backfilled prior to paving according to "Trench Detail" (this sheet). The conduit trench crossing Canal Boulevard shall be sawcut in the existing pavement and prior to the pavement grind and inlay according to "Trench Detail" (this sheet).

**LEGEND**  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

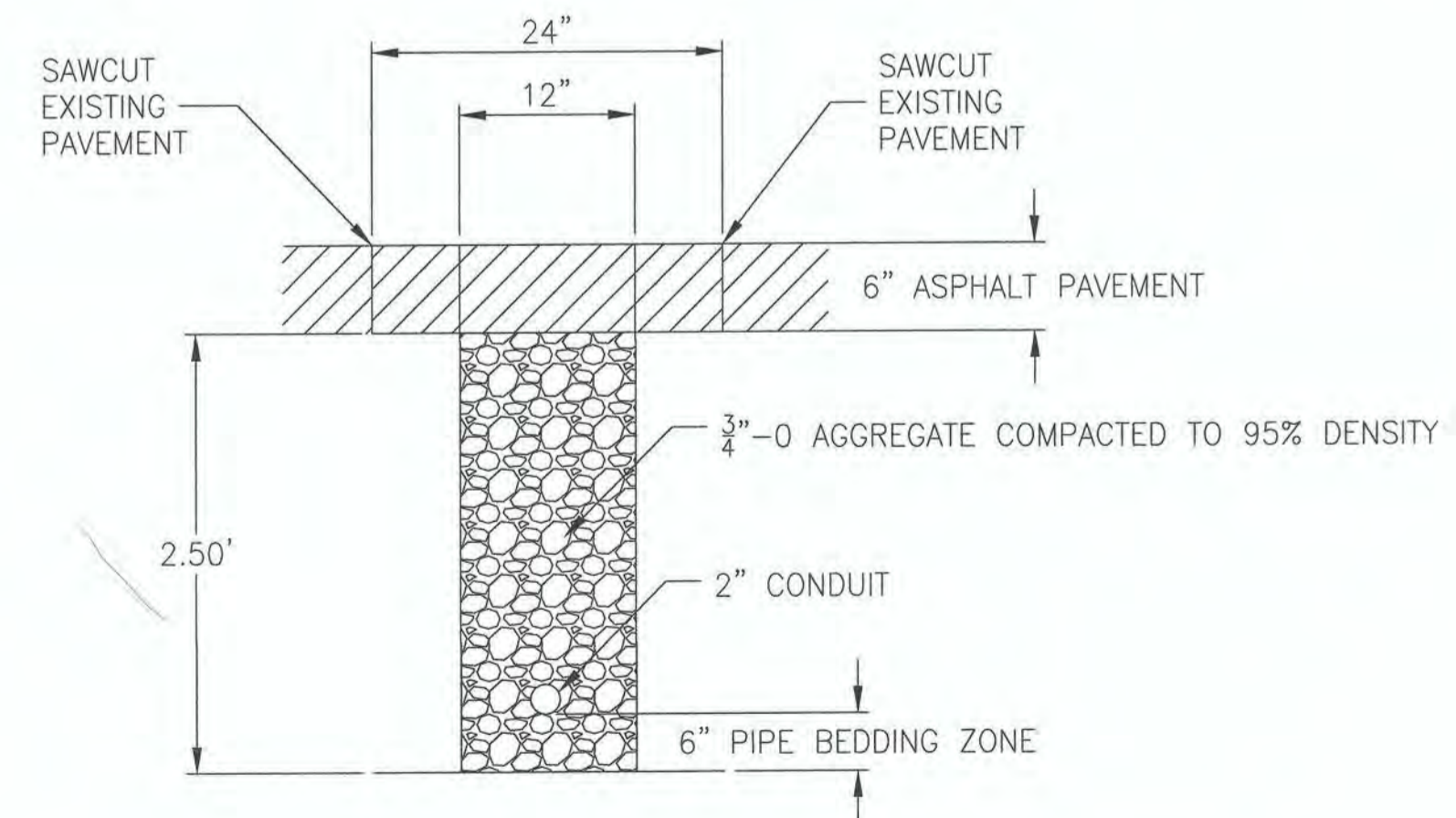
**STREET LIGHT POLE SCHEDULE**

POLE NO.	PEDSTAL NO.	STREET	STATION	OFFSET*	LUMINAIRE ARM LENGTH	LAMP	LUMINAIRE MOUNTING HEIGHT (FT)	TYPE	NOTES**
1A	--	Quarry Ave	QW 15+00	27.3' Rt.	12'	LED	25'	III	100 Watts
2A	--	Quarry Ave	QW 13+91	25.3' Rt.	12'	LED	25'	III	60 Watts
3A	--	61st St	61N 10+85	26.5' Rt.	12'	LED	25'	III	60 Watts
1B	--	Quarry Ave	QE 11+03	24.1' Rt.	12'	LED	25'	III	60 Watts
2B	--	61st St	61S 22+15	27.0' Rt.	12'	LED	25'	III	60 Watts
3B	--	Canal Blvd	Ca 779+19	36.0' Rt.	12'	LED	25'	III	100 Watts
4B	--	61st St	61S 20+62	41.2' LT	12'	LED	25'	III	100 Watts
5B	--	Canal Blvd	Ca 780+46	28.6' Lt.	12'	LED	25'	III	100 Watts

\* - Offset measured from roadway centerline.  
\*\* - To be furnished and installed by CEC

**LIGHT LEVEL SUMMARY TABLE**

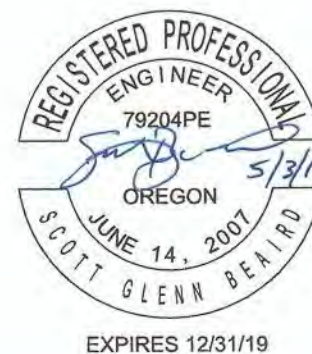
ROADWAY/INTERSECTION	CLASSIFICATION	TARGET	LIGHT LEVEL	UNIFORMITY	LIGHT LOSS FACTOR	BUG RATING
Quarry/61st	Rural Collector	TARGET	≥ 0.6 fc	≤ 4 : 1	0.85	B1 UI G1
		DESIGN	0.7 fc	3.4 : 1		
Quarry/61st/Canal	Rural Arterial	TARGET	≥ 0.9 fc	≤ 3 : 1	0.85	B1 UI G1
		DESIGN	1.1 fc	2.7 : 1		
61st/Quarry	Rural Collector	TARGET	≥ 0.6 fc	≤ 4 : 1	0.85	B1 UI G1
		DESIGN	0.7 fc	2.3 : 1		



TRENCH DETAIL

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY</b>
FILE NAME
JOB No.
DATE 5/3/2019

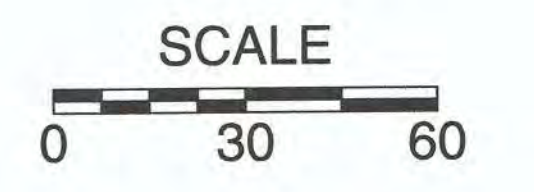
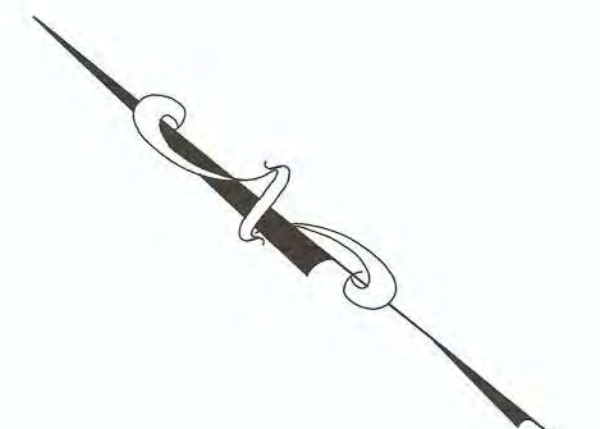
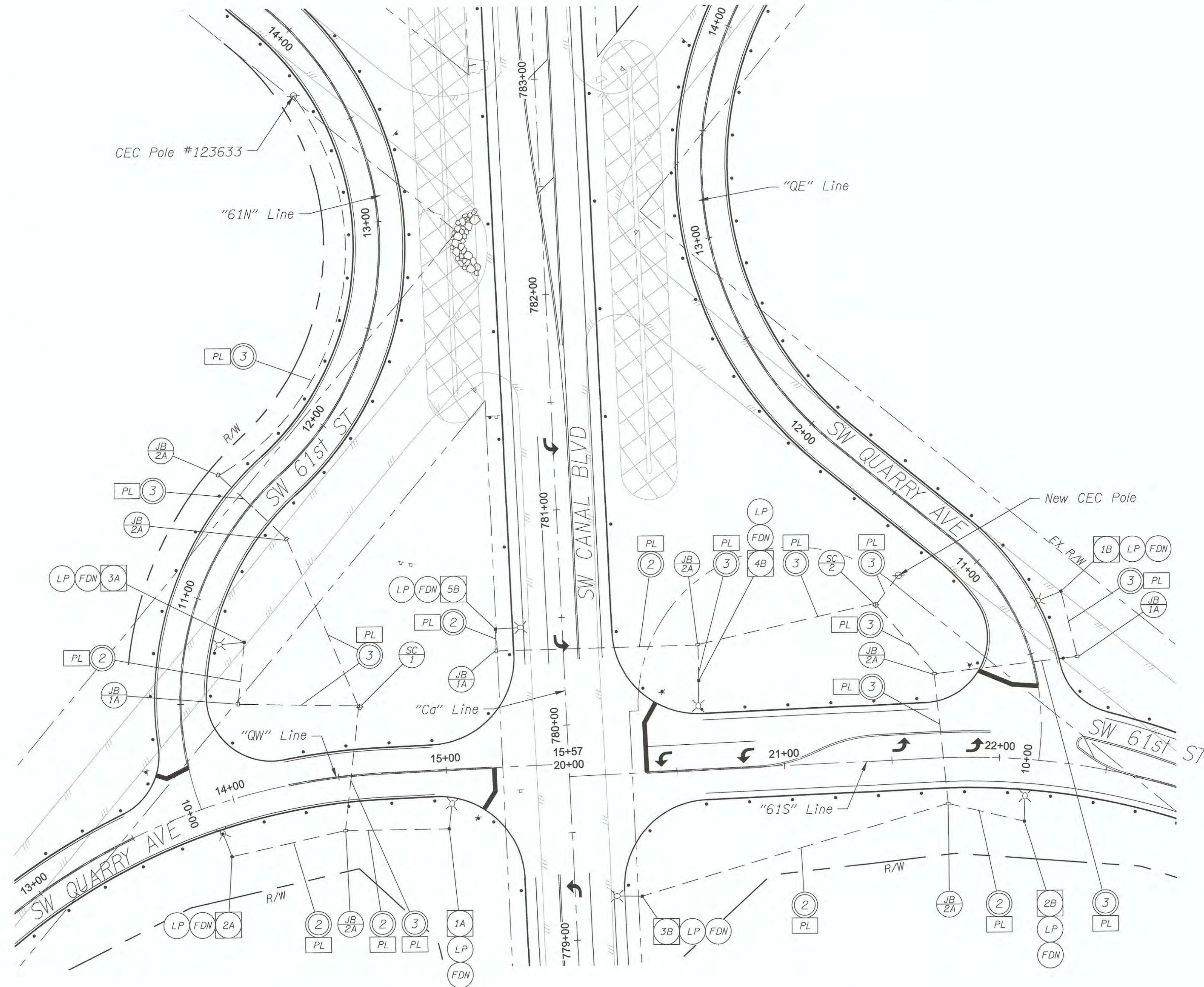


PROJECT NAME <b>SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS</b>
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<b>LEGEND</b>
---------------

DRAWING NO. <b>34 OF 35</b>
<b>IL1</b>

LIGHTING PLAN  
 SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



REVISIONS	DATE	BY	DESIGNED

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY

FILE NAME  
 JOB No.  
 DATE 5/3/2019



PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS**

**LIGHTING PLAN**

DRAWING NO.  
 35 OF 35  
 IL2