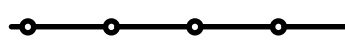
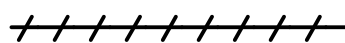

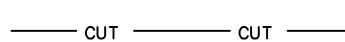

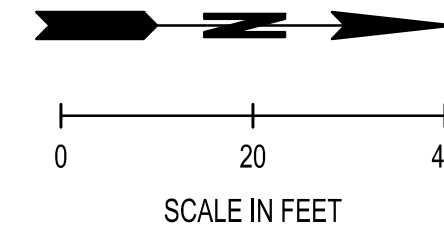


EROSION LEGEND

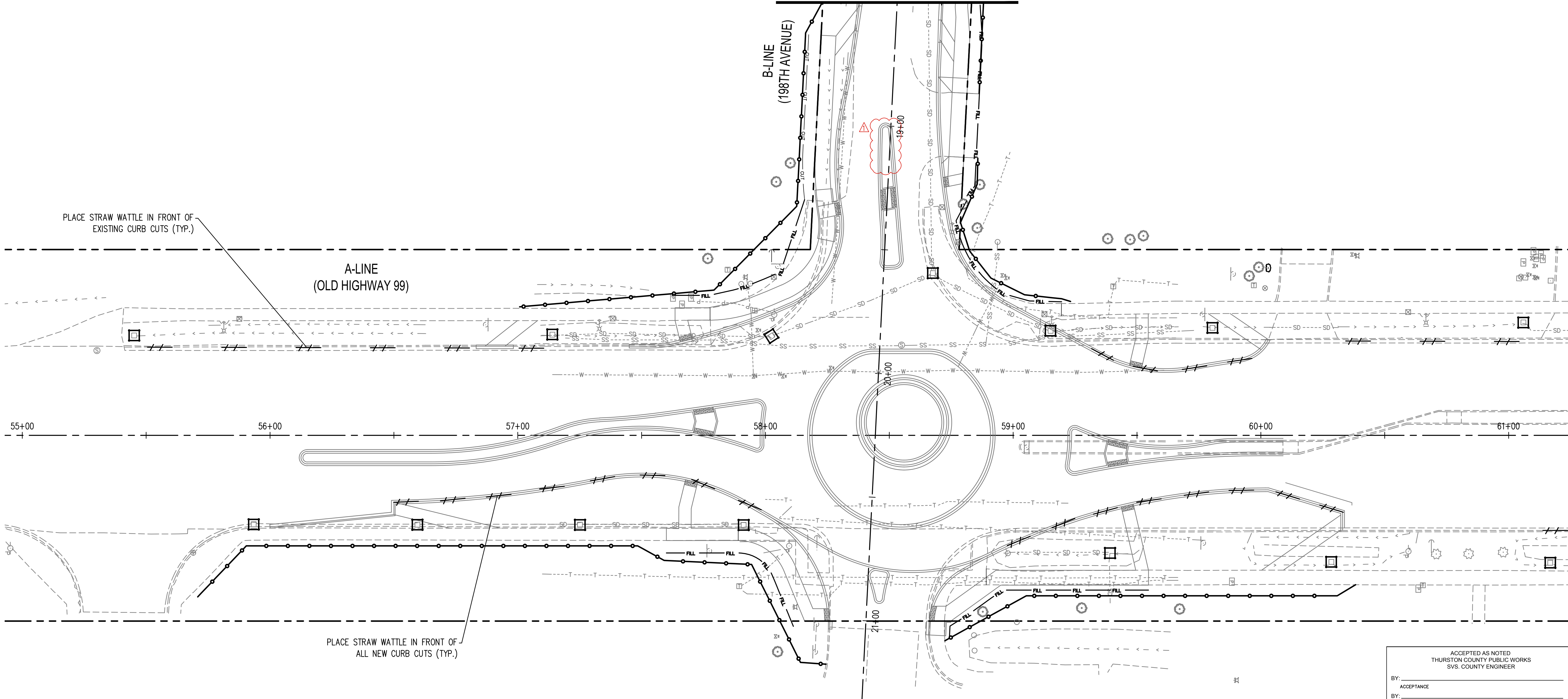
	SILT FENCE	WSDOT STD PLAN I-30.10
	STRAW WATTLE	WSDOT STD PLAN I-30.30
	INLET PROTECTION	WSDOT STD PLAN I-40.20
	CUT LINE	
	FILL LINE	

TESC GENERAL NOTES:

- CLEARING AND GRUBBING LIMITS SHALL NOT EXCEED CUT AND FILL LINES SHOWN EXCEPT AS DIRECTED ON REMOVAL PLANS.
- STRAW WATTLE TO BE HELD IN PLACE WITH SAND BAGS WHICH ARE INCIDENTAL TO EROSION CONTROL.



MATCH B-LINE 18+50
SEE SHEET ER-2



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER
BY: _____
ACCEPTANCE
BY: _____
Expires 2 Years From Acceptance Date

Aug 15, 2018 3:58:49pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\0650.05.70 ER-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: N MAYFIELD
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1
Date
8/16/18




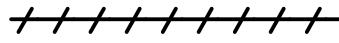

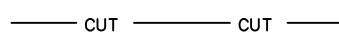
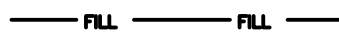
8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

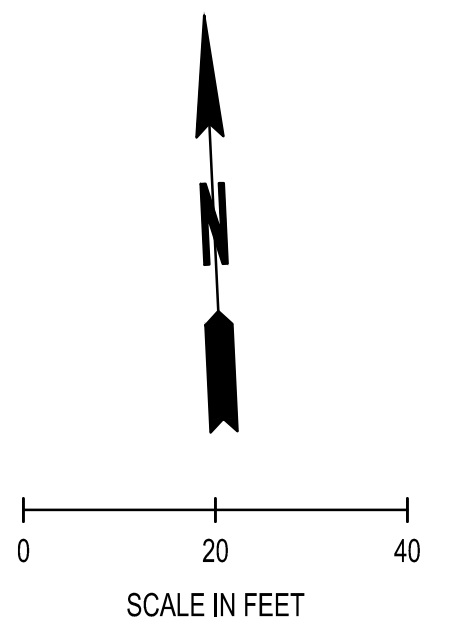
JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

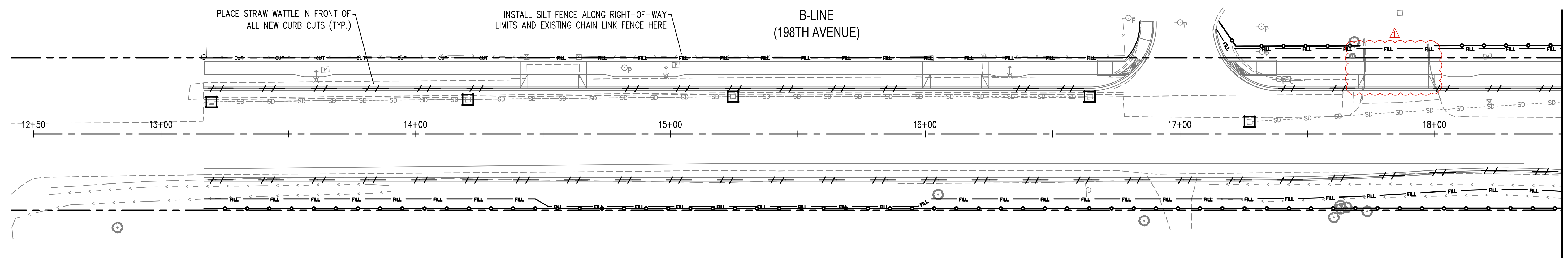
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

Sheet
ER-1
9
of
42

EROSION LEGEND		
	SILT FENCE	WSDOT STD PLAN I-30.10
	STRAW WATTLE	WSDOT STD PLAN I-30.30
	INLET PROTECTION	WSDOT STD PLAN I-40.20
	CUT LINE	
	FILL LINE	



- TESC GENERAL NOTES:**
- CLEARING AND GRUBBING LIMITS SHALL NOT EXCEED CUT AND FILL LINES SHOWN EXCEPT AS DIRECTED ON REMOVAL PLANS.
 - STRAW WATTLE TO BE HELD IN PLACE WITH SAND BAGS WHICH ARE INCIDENTAL TO EROSION CONTROL.



ACCEPTED AS NOTED
 THURSTON COUNTY PUBLIC WORKS
 SVS. COUNTY ENGINEER

BY: _____
 ACCEPTANCE

BY: _____
 Expires 2 Years From Acceptance Date

Aug 15, 2018 4:45:00pm - User: matt.weyrauch
 N:\PROJECTS\0650 THURSTON COUNTY\0650.05.70 ER-2.DWG

THURSTON COUNTY PUBLIC WORKS
 9605 TILLEY RD S. STE-C
 OLYMPIA, WA 98512
 (360)867-2300
 PROJECT No: 61497



Designed: M WEYRAUCH
 Drafted: N MAYFIELD
 Checked: S SAWYER
 Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18



SCJ ALLIANCE
CONSULTING SERVICES


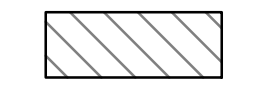

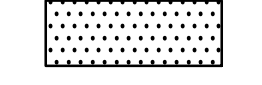

8730 TALLON LANE NE, SUITE 200
 LACEY, WASHINGTON 98516
 P: 360-352-1465 F: 360-352-1509
 SCJALLIANCE.COM

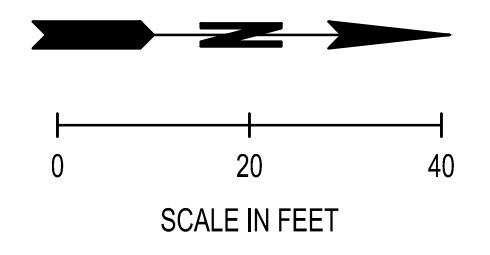
JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
 THURSTON COUNTY, WASHINGTON
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

Sheet
 ER-2
 10
 of
 42

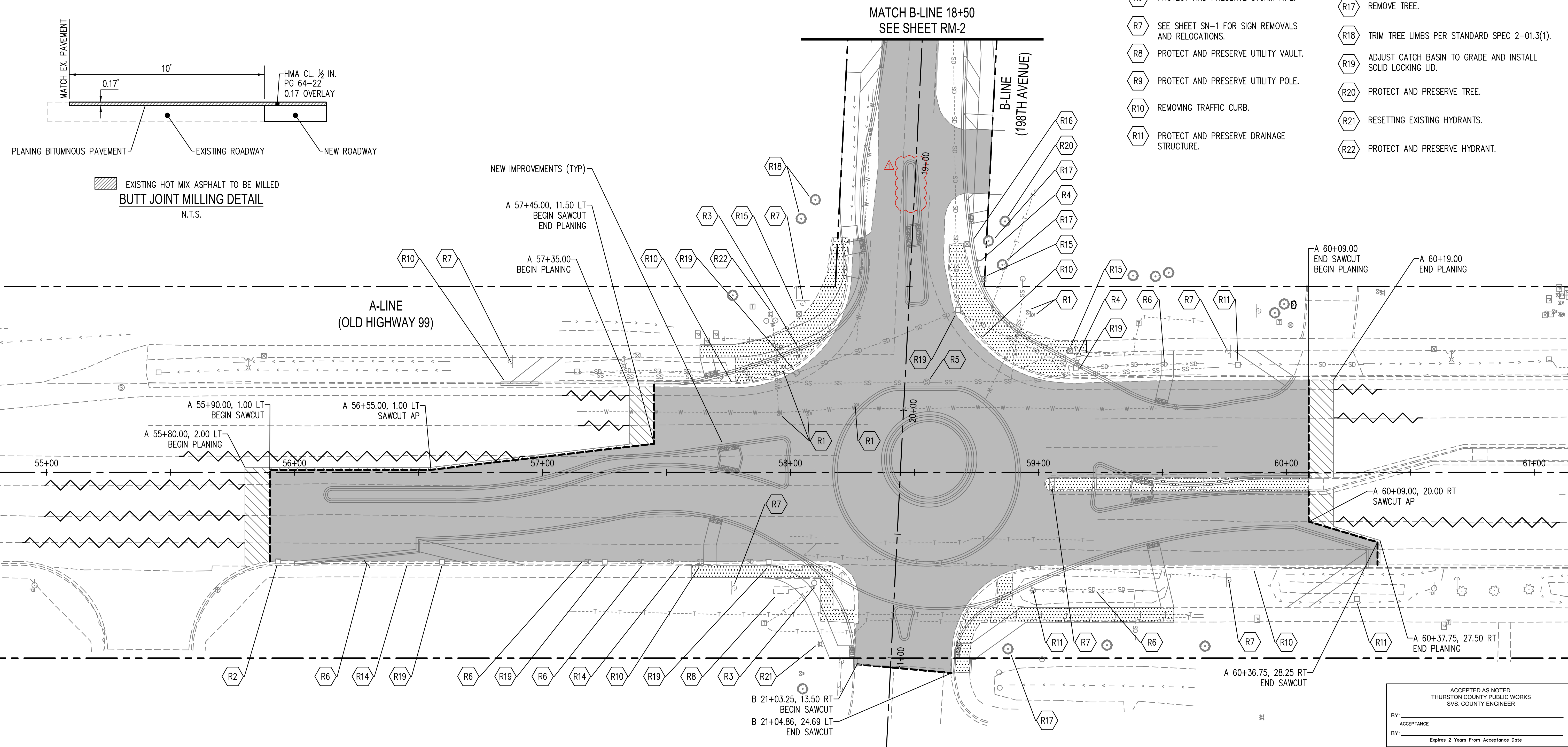
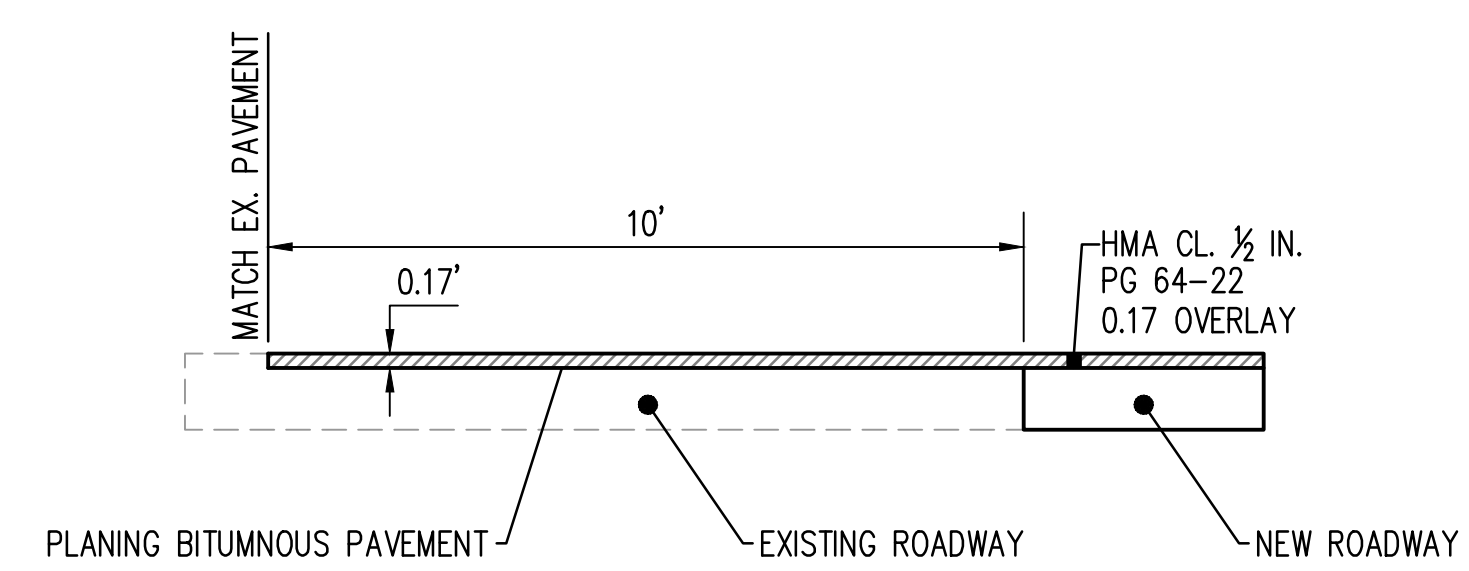
REMOVAL LEGEND

-  SAWCUT (TYP) (INCIDENTAL)
-  PLANING BITUMINOUS PAVEMENT (0.17')
-  REMOVING ASPHALT CONC. PAVEMENT
-  REMOVING CEMENT CONC. SIDEWALK
-  REMOVING PAINT LINE



REMOVAL NOTES

- R1 ADJUST VALVE BOX TO GRADE.
- R2 ADJUST CATCH BASIN TO GRADE.
- R3 UTILITY POLE TO BE REMOVED BY OTHERS.
- R4 RELOCATE LUMINAIRE, SEE SHEET IL-1 FOR NEW LOCATION.
- R5 ADJUST MANHOLE TO GRADE.
- R6 PROTECT AND PRESERVE STORM PIPE.
- R7 SEE SHEET SN-1 FOR SIGN REMOVALS AND RELOCATIONS.
- R8 PROTECT AND PRESERVE UTILITY VAULT.
- R9 PROTECT AND PRESERVE UTILITY POLE.
- R10 REMOVING TRAFFIC CURB.
- R11 PROTECT AND PRESERVE DRAINAGE STRUCTURE.
- R12 ABANDON STORM PIPE.
- R13 ADJUST JUNCTION BOX TO GRADE AND ATTACH A TRAFFIC BEARING LID.
- R14 PROTECT AND PRESERVE CURB AND GUTTER.
- R15 ADJUST JUNCTION BOX TO GRADE AND INSTALL NON-SKID LID.
- R16 PRIVATE UTILITY BOX TO BE RELOCATED BY OTHERS.
- R17 REMOVE TREE.
- R18 TRIM TREE LIMBS PER STANDARD SPEC 2-01.3(1).
- R19 ADJUST CATCH BASIN TO GRADE AND INSTALL SOLID LOCKING LID.
- R20 PROTECT AND PRESERVE TREE.
- R21 RESETTING EXISTING HYDRANTS.
- R22 PROTECT AND PRESERVE HYDRANT.



ACCEPTED AS NOTED
 THURSTON COUNTY PUBLIC WORKS
 SVS. COUNTY ENGINEER
 BY: _____
 ACCEPTANCE
 BY: _____
 Expires 2 Years From Acceptance Date

Aug 15, 2018 3:59:34pm - User: matt.veyrauch
 N: PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\0650.05.70 RM-1.DWG

THURSTON COUNTY PUBLIC WORKS
 9605 TILLEY RD S. STE-C
 OLYMPIA, WA 98512
 (360)867-2300
 PROJECT No: 61497



Designed: M WEYRAUCH
 Drafted: M WEYRAUCH
 Checked: S SAWYER
 Scale: AS NOTED


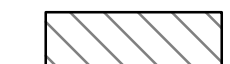



Revisions
 ADDENDUM 1
 Date
 8/16/18

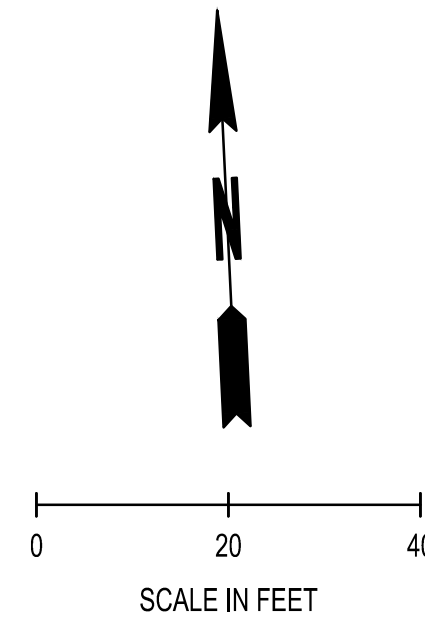

SCJ ALLIANCE
 CONSULTING SERVICES
 8730 TALLON LANE NE, SUITE 200
 LACEY, WASHINGTON 98516
 P: 360-352-1465 F: 360-352-1509
 SCJALLIANCE.COM
 JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
 THURSTON COUNTY, WASHINGTON
REMOVAL PLAN























Sheet
 RM-1
 11 of 42

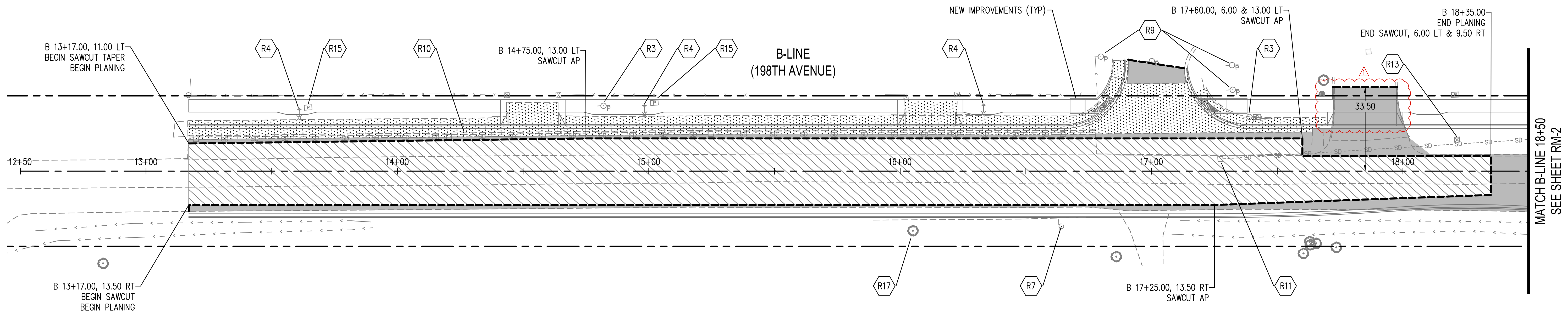
REMOVAL LEGEND

-  SAWCUT (TYP) (INCIDENTAL)
-  PLANING BITUMINOUS PAVEMENT (0.17')
-  REMOVING ASPHALT CONC. PAVEMENT
-  REMOVING CEMENT CONC. SIDEWALK
-  REMOVING PAINT LINE



REMOVAL NOTES

- | | |
|--|---|
| <ul style="list-style-type: none">  R1 ADJUST VALVE BOX TO GRADE.  R2 ADJUST CATCH BASIN TO GRADE.  R3 UTILITY POLE TO BE REMOVED BY OTHERS.  R4 RELOCATE LUMINAIRE, SEE SHEET IL-1 FOR NEW LOCATION.  R5 ADJUST MANHOLE TO GRADE.  R6 PROTECT AND PRESERVE STORM PIPE.  R7 SEE SHEET SN-1 FOR SIGN REMOVALS AND RELOCATIONS.  R8 PROTECT AND PRESERVE UTILITY VAULT.  R9 PROTECT AND PRESERVE UTILITY POLE.  R10 REMOVING TRAFFIC CURB.  R11 PROTECT AND PRESERVE DRAINAGE STRUCTURE. | <ul style="list-style-type: none">  R12 ABANDON STORM PIPE.  R13 ADJUST JUNCTION BOX TO GRADE AND ATTACH A TRAFFIC BEARING LID.  R14 PROTECT AND PRESERVE CURB AND GUTTER.  R15 ADJUST JUNCTION BOX TO GRADE AND INSTALL NON-SKID LID.  R16 PRIVATE UTILITY BOX TO BE RELOCATED BY OTHERS.  R17 REMOVE TREE.  R18 TRIM TREE LIMBS PER STANDARD SPEC 2-01.3(1).  R19 ADJUST CATCH BASIN TO GRADE AND INSTALL SOLID LOCKING LID.  R20 PROTECT AND PRESERVE TREE.  R21 RESETTING EXISTING HYDRANTS.  R22 PROTECT AND PRESERVE HYDRANT. |
|--|---|



Aug 15, 2018 4:46:14pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\0650.05.70 RM-1.DWG

ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE
BY: _____
Expires 2 Years From Acceptance Date

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: M WEYRAUCH
Checked: S SAWYER
Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM



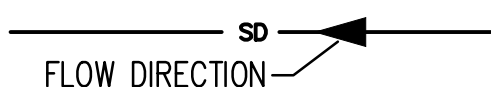


JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

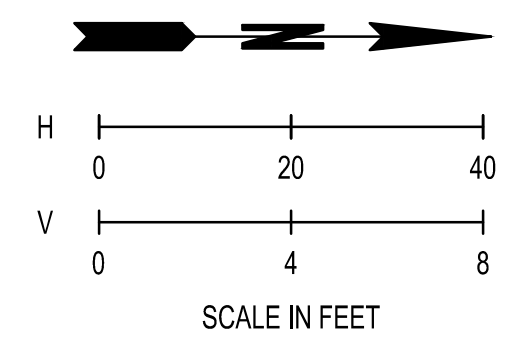
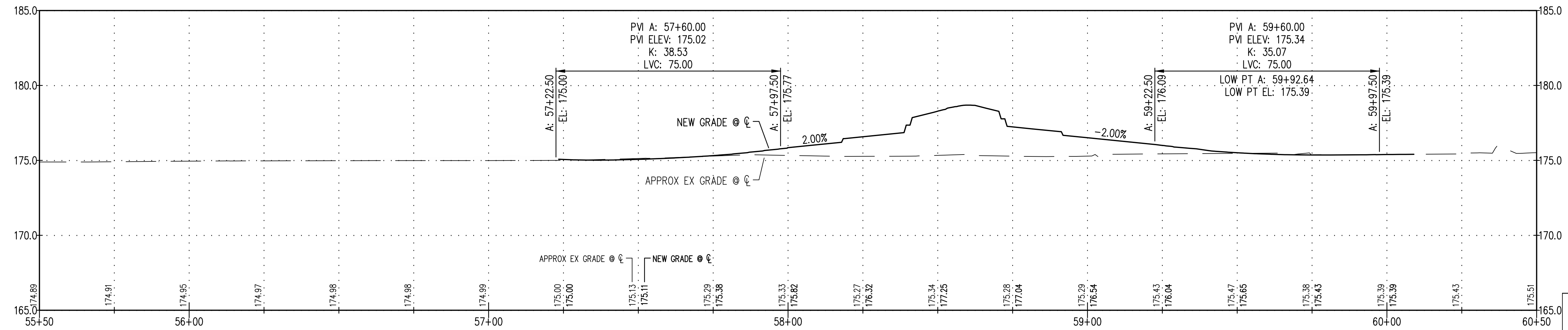
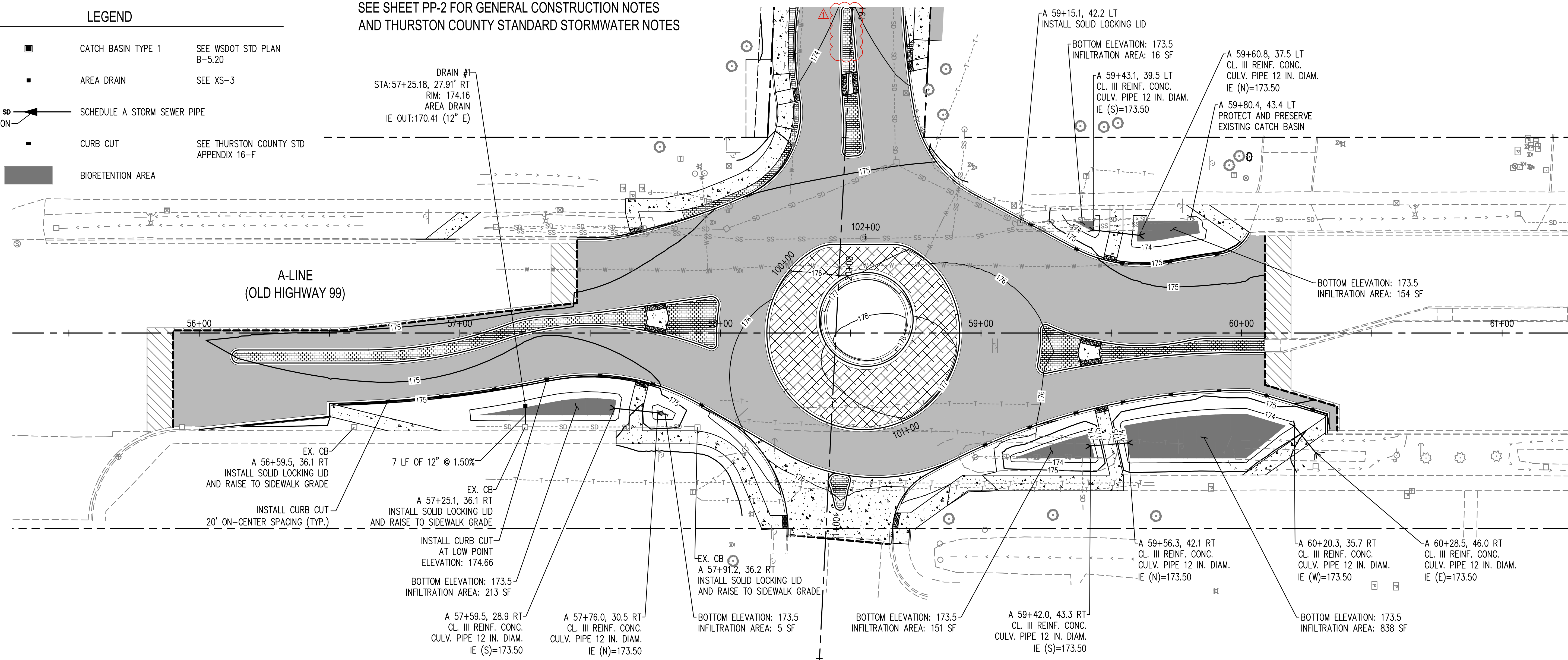
REMOVAL PLAN

Sheet
RM-2
12
of
42

LEGEND

-  CATCH BASIN TYPE 1 SEE WSDOT STD PLAN B-5.20
-  AREA DRAIN SEE XS-3
-  SCHEDULE A STORM SEWER PIPE
-  CURB CUT SEE THURSTON COUNTY STD APPENDIX 16-F
-  BIORETENTION AREA

SEE SHEET PP-2 FOR GENERAL CONSTRUCTION NOTES
AND THURSTON COUNTY STANDARD STORMWATER NOTES



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

Aug 15, 2018 3:55:33pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 188TH AVE\0650.05.70 PP-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: M WEYRAUCH
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1

Date
8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

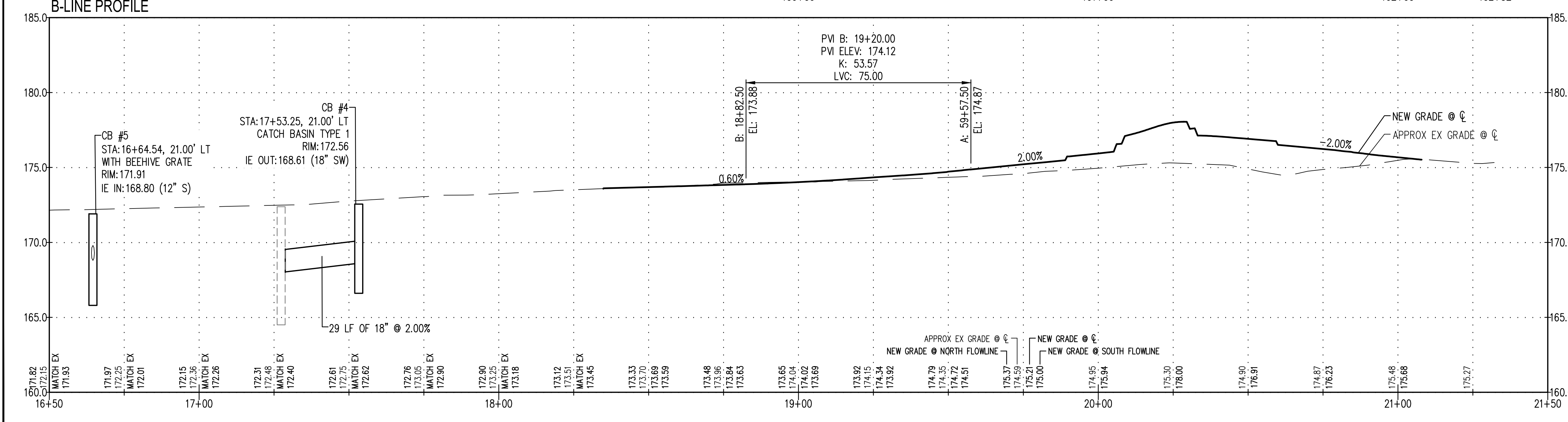
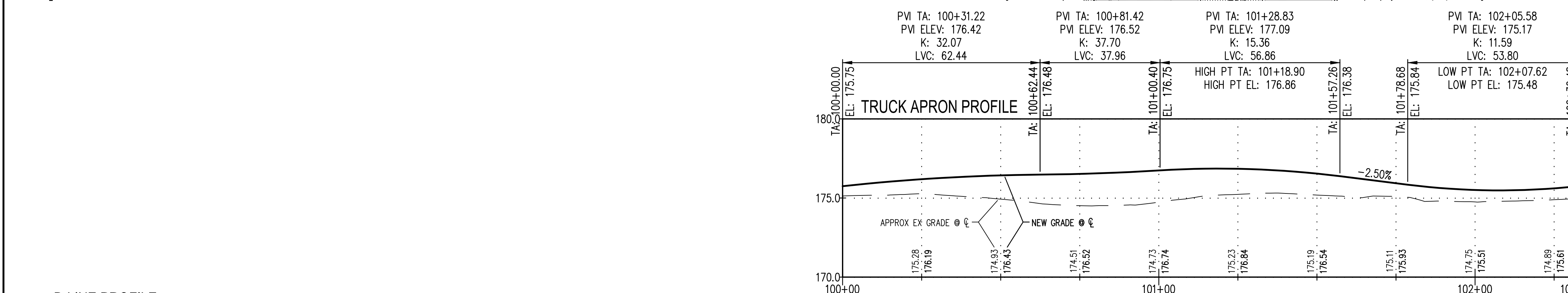
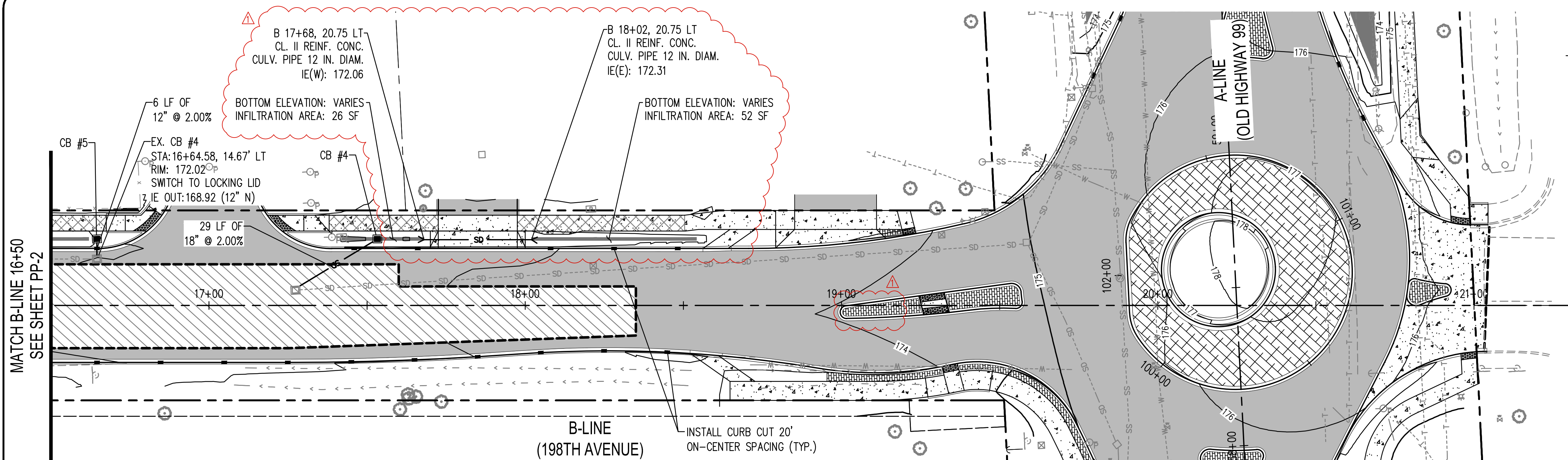
JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

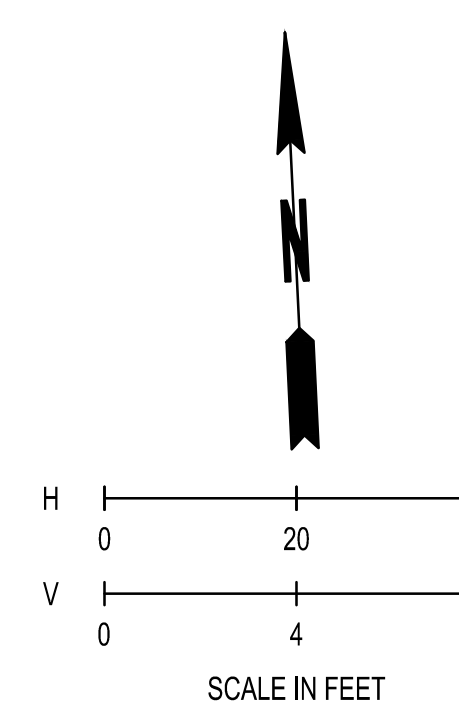
PLAN AND PROFILE

Sheet
PP-1
13
of
42

Aug 15, 2018 3:54:35pm - User: matt.weyrauch
 N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\B-0650.05.70 PP-1.DWG



SEE SHEET PP-2 THURSTON COUNTY STANDARD STORMWATER NOTES



ACCEPTED AS NOTED
 THURSTON COUNTY PUBLIC WORKS
 SVS. COUNTY ENGINEER

BY: _____
 ACCEPTANCE
 BY: _____
 Expires 2 Years From Acceptance Date

THURSTON COUNTY PUBLIC WORKS
 9605 TILLEY RD S. STE-C
 OLYMPIA, WA 98512
 (360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
 Drafted: M WEYRAUCH
 Checked: S SAWYER
 Scale: AS NOTED

Revisions
 ADDENDUM 1
 Date 8/16/18

SCJ ALLIANCE
 CONSULTING SERVICES

8730 TALLON LANE NE, SUITE 200
 LACEY, WASHINGTON 98516
 P: 360-352-1465 F: 360-352-1509
 SCJALLIANCE.COM

JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
 THURSTON COUNTY, WASHINGTON

PLAN AND PROFILE

Sheet
 PP-3
 15 of 42

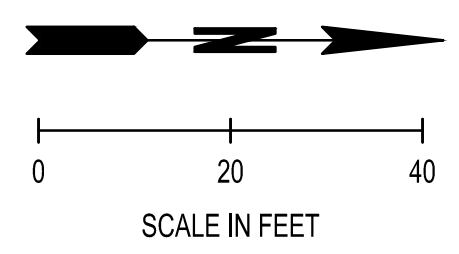
LEGEND

	SAWCUT	SEE RM-1
	HMA CLASS 1/2 IN. PG 64-22	SEE XS-1
	OVERLAY	SEE XS-1
	CEMENT CONC. SIDEWALK	SEE XS-1
	MONOLITHIC CEMENT CONC. CURB AND SIDEWALK (MCCCS)	SEE XS-1
	TEXTURED AND PIGMENTED CEMENT CONC. PAVEMENT SPLITTER	SEE XS-1
	TEXTURED AND PIGMENTED CEMENT CONC. PAVEMENT APRON	SEE XS-1
	CEMENT CONC. TRAFFIC CURB AND GUTTER (C&G)	WSDOT STD PLAN F-10.12
	ROUNDABOUT TRUCK APRON	WSDOT STD PLAN F-10.18
	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER (RC&G)	WSDOT STD PLAN F-10.18
	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	WSDOT STD PLAN F-10.18
	*DETECTABLE WARNING SURFACE	WSDOT STD PLAN F-45.10
	CEMENT CONC. DRIVEWAY ENTRANCE	THURSTON COUNTY STD PLAN 16-E

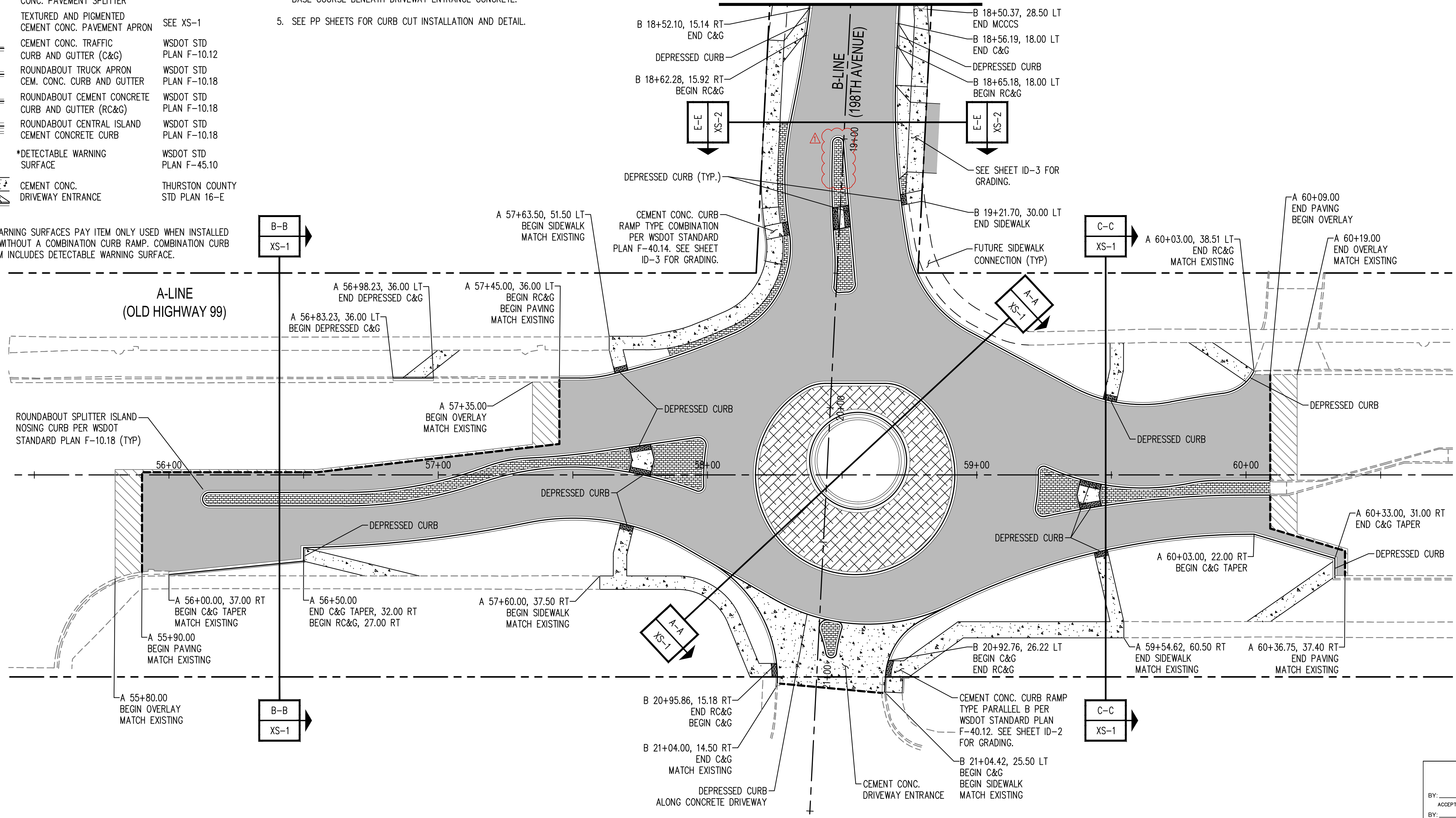
* DETECTABLE WARNING SURFACES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A COMBINATION CURB RAMP. COMBINATION CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING SURFACE.

PAVING NOTES

1. ALL CURB AND GUTTER, STREET GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND/OR HORIZONTAL ALIGNMENT SHALL BE STAKED BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK.
2. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10 AT ALL PEDESTRIAN CROSSING LOCATIONS.
3. STATION AND OFFSETS ARE TO FACE OF CURB.
4. INSTALL 0.33' COMPACTED DEPTH OF CRUSHED SURFACING BASE COURSE BENEATH DRIVEWAY ENTRANCE CONCRETE.
5. SEE PP SHEETS FOR CURB CUT INSTALLATION AND DETAIL.



MATCH B-LINE 18+50
SEE SHEET PV-2



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

Aug 15, 2018 3:46:03pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\BIB\CADD\0650.05.70 PV-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: N MAYFIELD
Checked: S SAWYER
Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

PAVING PLAN

Sheet
PV-1
16
of
42

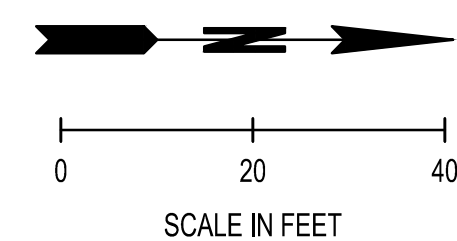
LEGEND

	SAWCUT	SEE RM-1
	HMA CLASS 1/2 IN. PG 64-22	SEE XS-1
	OVERLAY	SEE XS-1
	HMA CLASS 1/2 IN. PG 64-22	SEE XS-1
	CEMENT CONC. SIDEWALK	SEE XS-1
	MONOLITHIC CEMENT CONC. CURB AND SIDEWALK (MCCCS)	SEE XS-1
	TEXTURED AND PIGMENTED CEMENT CONC. PAVEMENT SPLITTER	SEE XS-1
	TEXTURED AND PIGMENTED CEMENT CONC. PAVEMENT APRON	SEE XS-1
	CEMENT CONC. TRAFFIC CURB AND GUTTER (C&G)	WSDOT STD PLAN F-10.12
	ROUNDABOUT TRUCK APRON	WSDOT STD PLAN F-10.18
	CEM. CONC. CURB AND GUTTER	WSDOT STD PLAN F-10.18
	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER (RC&G)	WSDOT STD PLAN F-10.18
	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	WSDOT STD PLAN F-10.18
	*DETECTABLE WARNING SURFACE	WSDOT STD PLAN F-45.10
	CEMENT CONC. DRIVEWAY ENTRANCE	THURSTON COUNTY STD PLAN 16-E

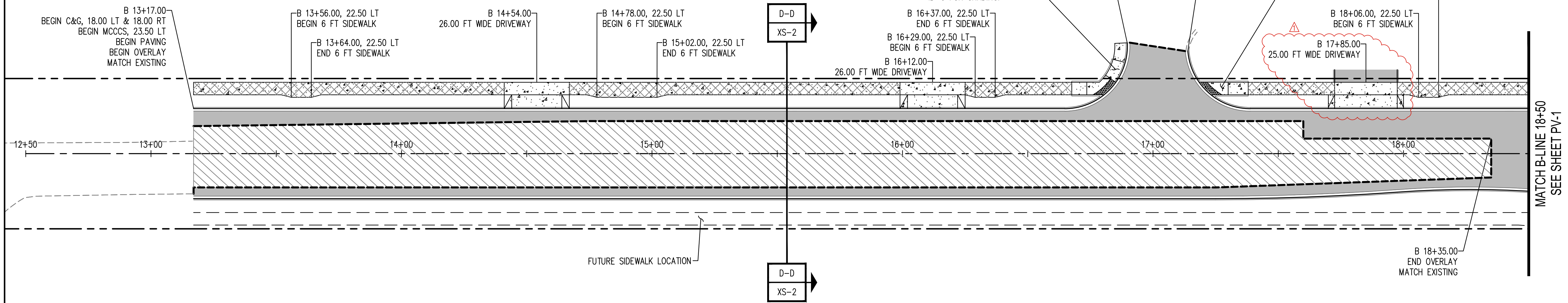
* DETECTABLE WARNING SURFACES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A COMBINATION CURB RAMP. COMBINATION CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING SURFACE.

PAVING NOTES

1. ALL CURB AND GUTTER, STREET GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND/OR HORIZONTAL ALIGNMENT SHALL BE STAKED BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK.
2. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10 AT ALL PEDESTRIAN CROSSING LOCATIONS.
3. STATION AND OFFSETS ARE TO FACE OF CURB.
4. INSTALL 0.33' COMPACTED DEPTH OF CRUSHED SURFACING BASE COURSE BENEATH DRIVEWAY ENTRANCE CONCRETE.
5. SEE PP SHEETS FOR CURB CUT INSTALLATION AND DETAIL.



**B-LINE
(198TH AVENUE)**



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

Aug 15, 2018 3:52:06pm - User matt.weyrauch N:\PROJECTS\0650 THURSTON COUNTY\0650.05.70 PV-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: N MAYFIELD
Checked: S SAWYER
Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

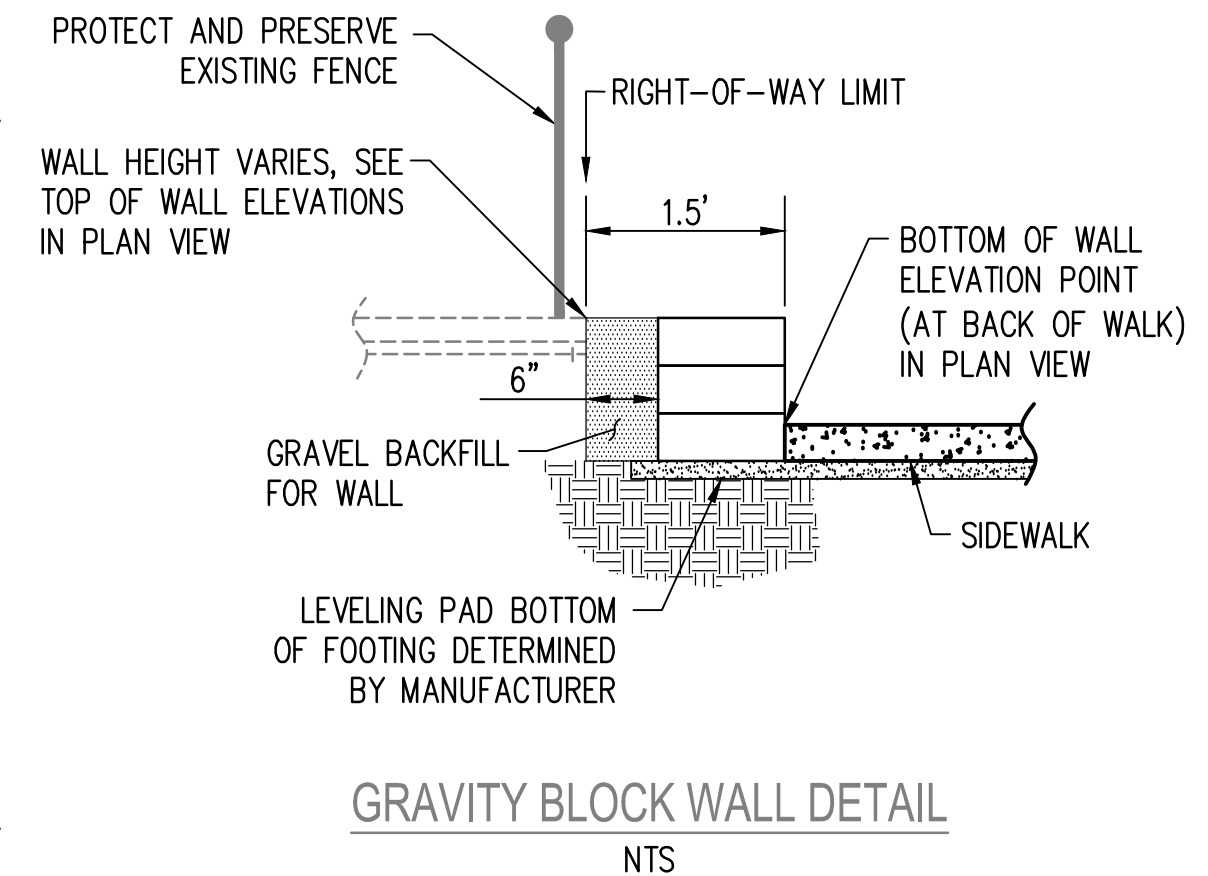
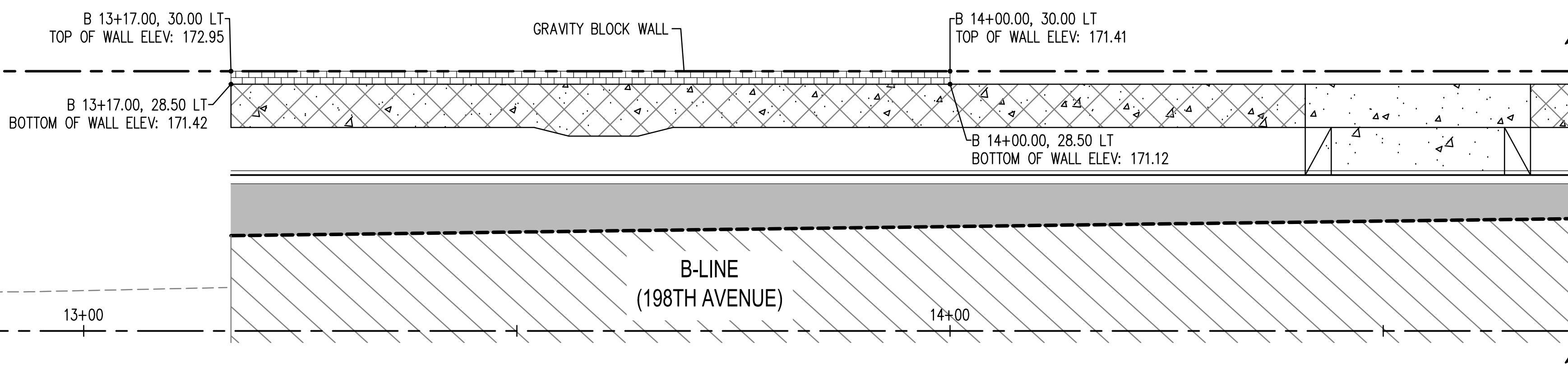
JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

PAVING PLAN

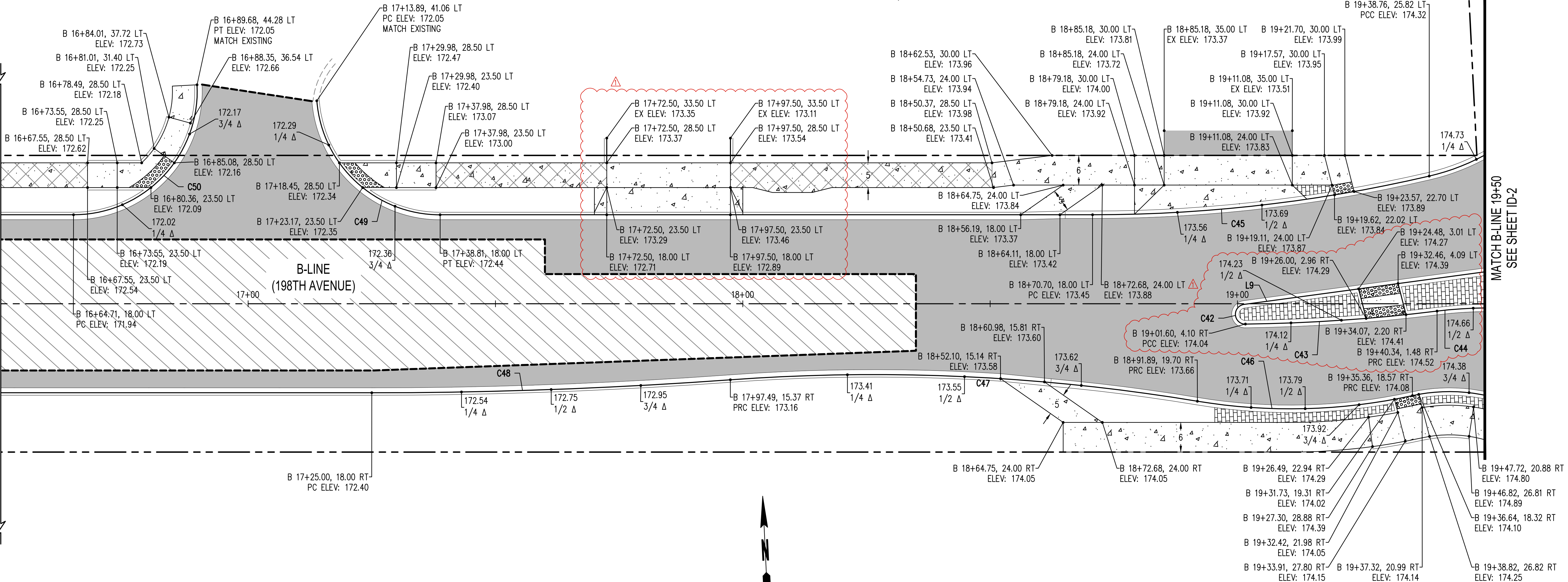
Sheet
PV-2
17
of
42

SEE PV SHEETS FOR LEGEND



CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C42	6.04	2.00	172°59'05"
C43	38.85	350.00	6°21'33"
C44	14.70	86.00	9°47'33"
C45	68.66	300.00	13°06'47"
C46	43.75	115.00	21°47'47"
C47	94.73	400.00	13°34'07"
C48	72.55	1000.00	4°09'24"
C49	37.32	25.00	85°32'23"
C50	40.55	25.00	92°56'37"

LINE TABLE		
LINE #	LENGTH	DIRECTION
L9	52.53	N85° 03' 33.62"E



Aug 15, 2018 3:56:57pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\0650.05.70 D-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: M WEYRAUCH
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1
Date: 8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

JOB No: 0650.05.70






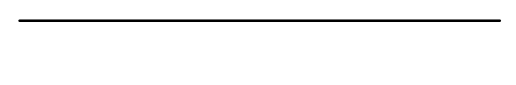
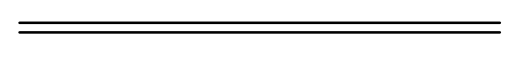
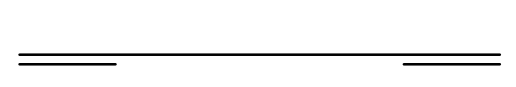


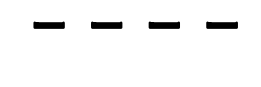
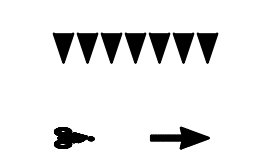
GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

INTERSECTION DETAIL

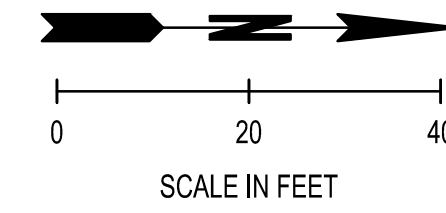
ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER
BY: _____
ACCEPTANCE
BY: _____
Expires 2 Years From Acceptance Date

Sheet ID-3
20 of 42

PAVEMENT MARKING LEGEND

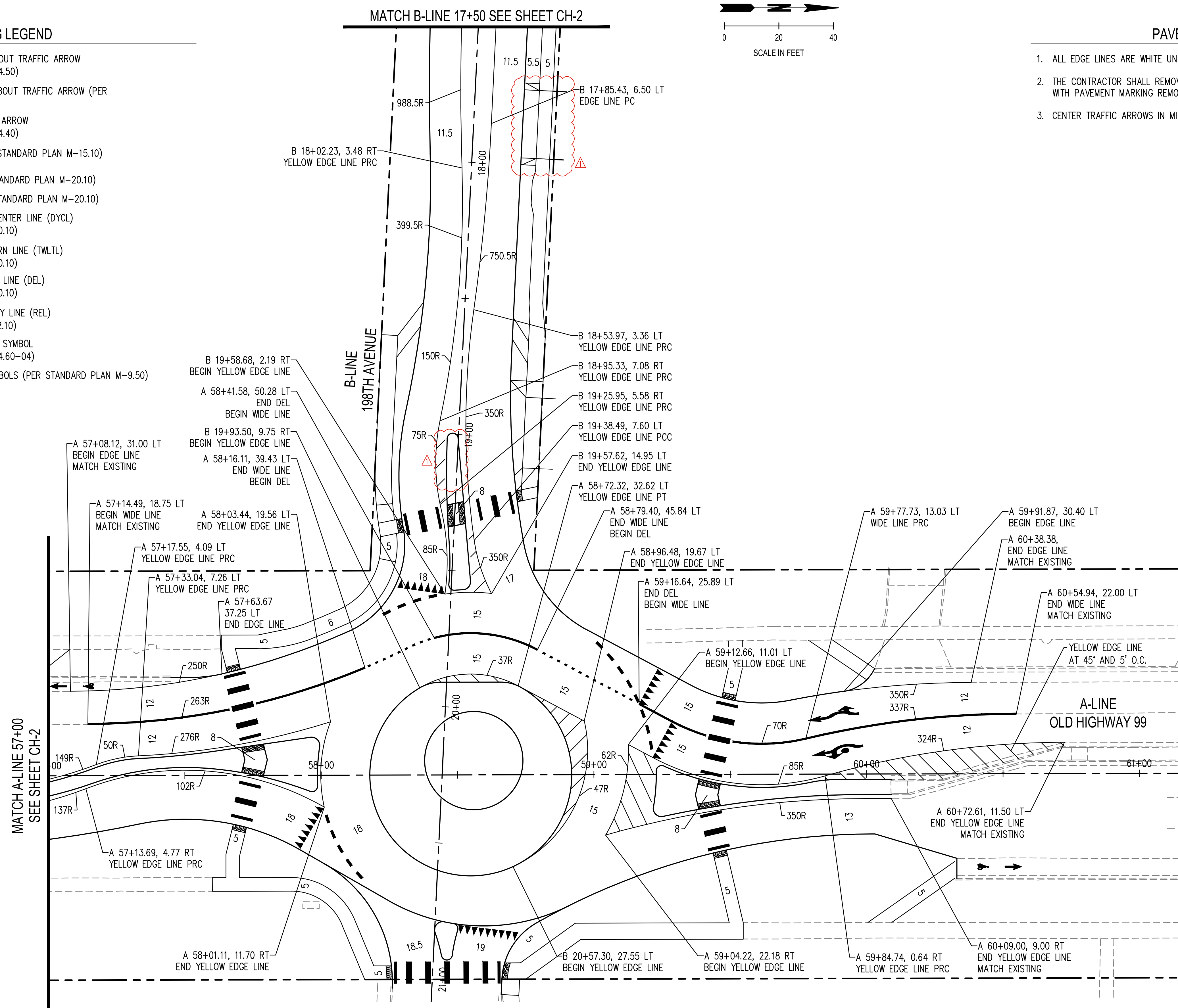
-  TYPE TR PLASTIC ROUNDABOUT TRAFFIC ARROW (PER STANDARD PLAN M-24.50)
-  TYPE LTC PLASTIC ROUNDABOUT TRAFFIC ARROW (PER STANDARD PLAN M-24.50)
-  TYPE 2SL PLASTIC TRAFFIC ARROW (PER STANDARD PLAN M-24.40)
-  PLASTIC CROSSWALK (PER STANDARD PLAN M-15.10)
-  PLASTIC WIDE LINE (PER STANDARD PLAN M-20.10)
-  PAINTED EDGE LINE (PER STANDARD PLAN M-20.10)
-  PAINTED DOUBLE YELLOW CENTER LINE (DYCL) (PER STANDARD PLAN M-20.10)
-  PAINTED TWO WAY LEFT TURN LINE (TWLTL) (PER STANDARD PLAN M-20.10)
-  PLASTIC DOTTED EXTENSION LINE (DEL) (PER STANDARD PLAN M-20.10)
-  PLASTIC ROUNDABOUT ENTRY LINE (REL) (PER STANDARD PLAN M-12.10)
-  PLASTIC TYPE 2 YIELD LINE SYMBOL (PER STANDARD PLAN M-24.60-04)
-  PLASTIC BICYCLE LANE SYMBOLS (PER STANDARD PLAN M-9.50)

MATCH B-LINE 17+50 SEE SHEET CH-2



PAVEMENT MARKING NOTES

1. ALL EDGE LINES ARE WHITE UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL REMOVE ALL RAISED PAVEMENT MARKING ASSOCIATED WITH PAVEMENT MARKING REMOVALS.
3. CENTER TRAFFIC ARROWS IN MIDDLE OF DESIGNATED LANE.



Aug 15, 2018 4:24:18pm - User: matt.weyrauch - THURSTON COUNTY ON-CALL ENGINEERING SERVICES (PHASE 70 - OLD HIGHWAY 99 & 198TH AVE) (CAD) (0650.05.70 CH-1.DWG)

ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: S DUNN
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1
Date
8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

JOB No: 0650.05.70

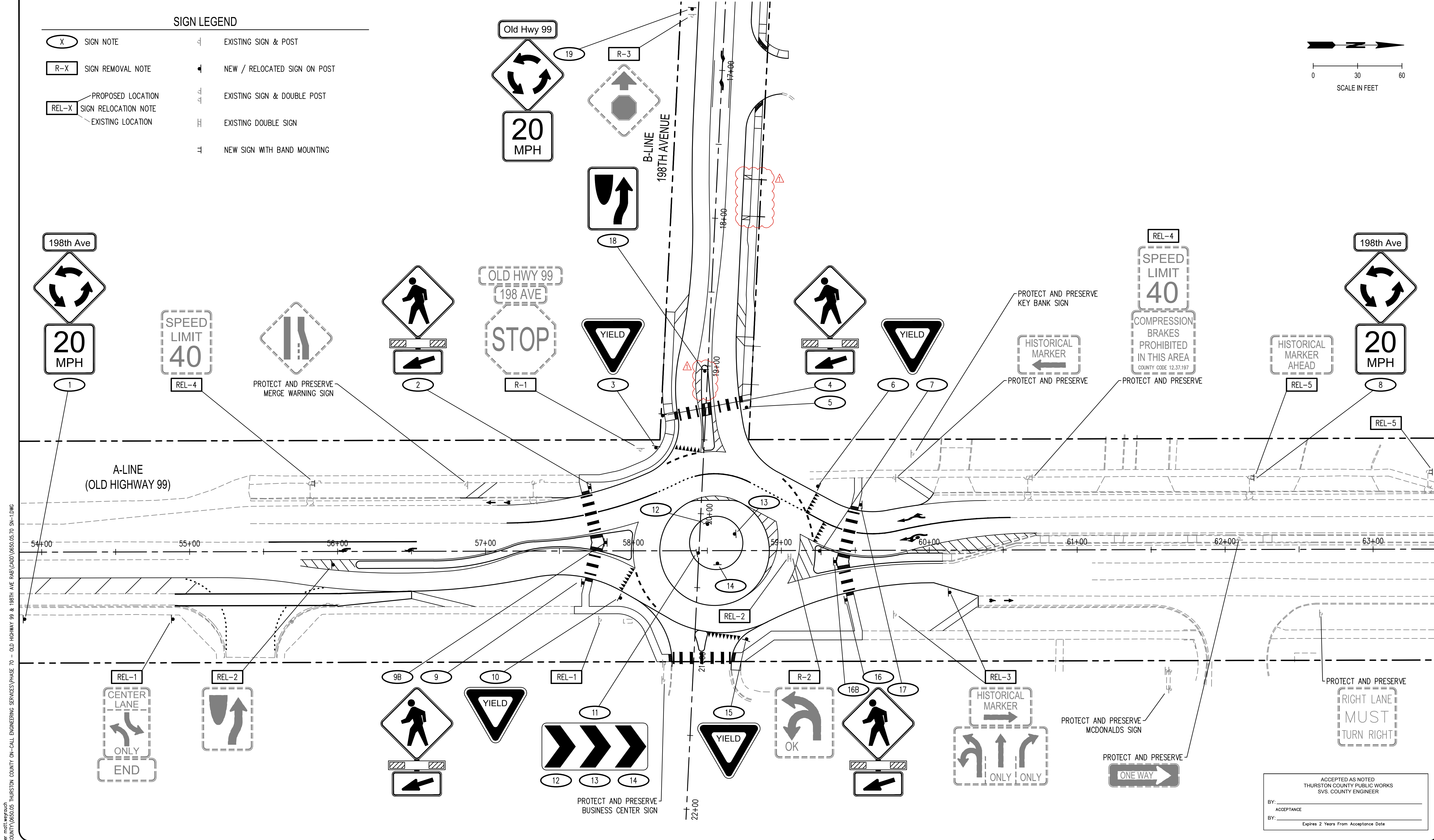
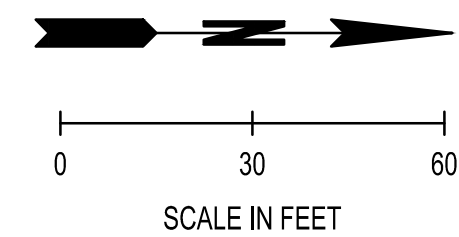
GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

CHANNELIZATION PLAN

Sheet
CH-1
21 of 42

SIGN LEGEND

- X SIGN NOTE
- R-X SIGN REMOVAL NOTE
- REL-X PROPOSED LOCATION
SIGN RELOCATION NOTE
EXISTING LOCATION
- ⊥ EXISTING SIGN & POST
- ⊥ NEW / RELOCATED SIGN ON POST
- ⊥ EXISTING SIGN & DOUBLE POST
- ⊥ EXISTING DOUBLE SIGN
- ⊥ NEW SIGN WITH BAND MOUNTING



Aug 15, 2018 4:26:09pm - User: matt.weyrauch
 N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\0650.05.70 SN-1.DWG

ACCEPTED AS NOTED
 THURSTON COUNTY PUBLIC WORKS
 SVS. COUNTY ENGINEER
 BY: _____
 ACCEPTANCE
 BY: _____
 Expires 2 Years From Acceptance Date

THURSTON COUNTY PUBLIC WORKS
 9605 TILLEY RD S. STE-C
 OLYMPIA, WA 98512
 (360)867-2300
 PROJECT No: 61497



Designed: M WEYRAUCH
 Drafted: S DUNN
 Checked: S SAWYER
 Scale: AS NOTED

Revisions
 ADDENDUM 1
 Date
 8/16/18

SCJ ALLIANCE
 CONSULTING SERVICES
 8730 TALLON LANE NE, SUITE 200
 LACEY, WASHINGTON 98516
 P: 360-352-1465 F: 360-352-1509
 SCJALLIANCE.COM
 JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
 THURSTON COUNTY, WASHINGTON
SIGNING PLAN

Sheet
 SN-1
 23
 of
 42

**SIGN SPECIFICATIONS
ROADSIDE SIGN STRUCTURES**

SIGN NO.	SIGN CODE NUMBER	SIGN DESCRIPTION	LOCATION (STATION NO.)	SIGN SIZE		REMARKS
				X (INCH)	Y (INCH)	
1	W16-8P	ADVANCE STREET NAME	A 53+88, 45 RT	36	8	198TH AVE
	W2-6	ROUNDAABOUT AHEAD		36	36	MOUNT BELOW STREET SIGN
	W13-1	20 MPH		24	24	MOUNT BELOW W2-6
2*	W11-2	PEDESTRIAN CROSSING	A 57+70.5, 43 LT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		30	18	MOUNT BELOW RRFB
3	R1-2	YIELD	B 19+57, 32.5 RT	36	36	MOUNT SIGN ON NEW POST
4*	W11-2	PEDESTRIAN CROSSING	B 19+35, 29 RT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		24	12	MOUNT BELOW RRFB
5*	W11-2	PEDESTRIAN CROSSING	B 19+26.5, 27.5 LT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		24	12	MOUNT BELOW RRFB
6	R1-2	YIELD	A 59+25, 43.5 LT	36	36	MOUNT SIGN ON NEW POST
7	R1-2	YIELD	A 59+26, 0.5 RT	36	36	MOUNT SIGN ON NEW POST
8	W16-8P	ADVANCE STREET NAME	A 62+20, 48.5 LT	36	8	198TH AVE, BAND MOUNT SIGN ABOVE W2-6
	W2-6	ROUNDAABOUT AHEAD		36	36	BAND MOUNT SIGN TO EXISTING LUMINAIRE
	W13-1	20 MPH		24	24	BAND MOUNT SIGN BELOW W2-6
9*	W11-2	PEDESTRIAN CROSSING	A 57+66, 21.5 RT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		30	18	MOUNT BELOW RRFB
9B**	W11-2	PEDESTRIAN CROSSING	A 57+81, 5.5 LT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		30	18	MOUNT BELOW RRFB
	W11-2	PEDESTRIAN CROSSING		36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PR	ARROW (RIGHT)		30	18	MOUNT BELOW RRFB
10	R1-2	YIELD	A 57+91, 32 RT	36	36	MOUNT SIGN ON NEW POST
11	R6-4a	CHEVRON	A 58+44, 1.5 RT	48	24	MOUNT SIGN ON NEW POST AT 5 FT HEIGHT
12	R6-4a	CHEVRON	A 58+50, 18 LT	48	24	MOUNT SIGN ON NEW POST AT 5 FT HEIGHT
13	R6-4a	CHEVRON	A 58+68, 11 LT	48	24	MOUNT SIGN ON NEW POST AT 5 FT HEIGHT
14	R6-4a	CHEVRON	A 58+57, 8.5 RT	48	24	MOUNT SIGN ON NEW POST AT 5 FT HEIGHT
15	R1-2	YIELD	B 20+83, 35 LT	36	36	MOUNT SIGN ON NEW POST
16*	W11-2	PEDESTRIAN CROSSING	A 59+43.5, 33.5 RT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		30	18	MOUNT BELOW RRFB
16B**	W11-2	PEDESTRIAN CROSSING	A 59+36.5, 7.5 RT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		30	18	MOUNT BELOW RRFB
	W11-2	PEDESTRIAN CROSSING		36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PR	ARROW (RIGHT)		30	18	MOUNT BELOW RRFB
17*	W11-2	PEDESTRIAN CROSSING	A 59+53.5, 30.5 LT	36	36	MOUNT ABOVE RRFB PER DETAIL TO RIGHT
	W16-7PL	ARROW (LEFT)		30	18	MOUNT BELOW RRFB
18	R4-7	KEEP RIGHT	B 19+4, 2 RT	24	30	MOUNT SIGN ON NEW POST
19	W16-8P	ADVANCE STREET NAME	B 16+59.5, 22.5 RT	48	8	OLD HWY 99
	W2-6	ROUNDAABOUT AHEAD		36	36	MOUNT BELOW STREET SIGN
	W13-1	20 MPH		24	24	MOUNT BELOW W2-6

* SINGLE SIDED RRFB
** DUAL SIDED RRFB

REL-X SIGN RELOCATION SPECIFICATIONS

SIGN NO.	SIGN CODE NUMBER	SIGN DESCRIPTION	EXISTING LOCATION	PROPOSED LOCATION	SIGN SIZE		REMARKS
					X (INCH)	Y (INCH)	
REL-1	R3-9B	CENTER LANE ONLY	A 57+77, 46.5 RT	A 54+88, 45.5 RT	24	36	MOUNT SIGN ON NEW POST
	R3-17bP	END			30	12	MOUNT BELOW CENTER LANE ONLY
REL-2	R4-7	KEEP RIGHT	A 59+05.5, 5 RT	A 55+97, 9 RT	24	30	MOUNT SIGN ON NEW POST
REL-3	CUSTOM	HISTORICAL MARKER WITH ARROW	A 59+77, 43.5 RT	A 60+14, 28.5 RT	24	30	MOUNT SIGN ON NEW POST
	R3-8A	ADVANCE INTERSECTION LANE CONTROL			48	30	MOUNT BELOW HISTORICAL MARKER
REL-4	R2-1	SPEED LIMIT 40	A 60+70, 49 LT	A 55+81, 49 LT	24	30	BAND MOUNT SIGN ON EXISTING LUMINAIRE
REL-5	CUSTOM	HISTORICAL MARKER	A 62+19.5, 48.5 LT	A 63+40, 52 LT	24	30	BAND MOUNT SIGN ON EXISTING LUMINAIRE

R-X SIGN REMOVAL SPECIFICATIONS

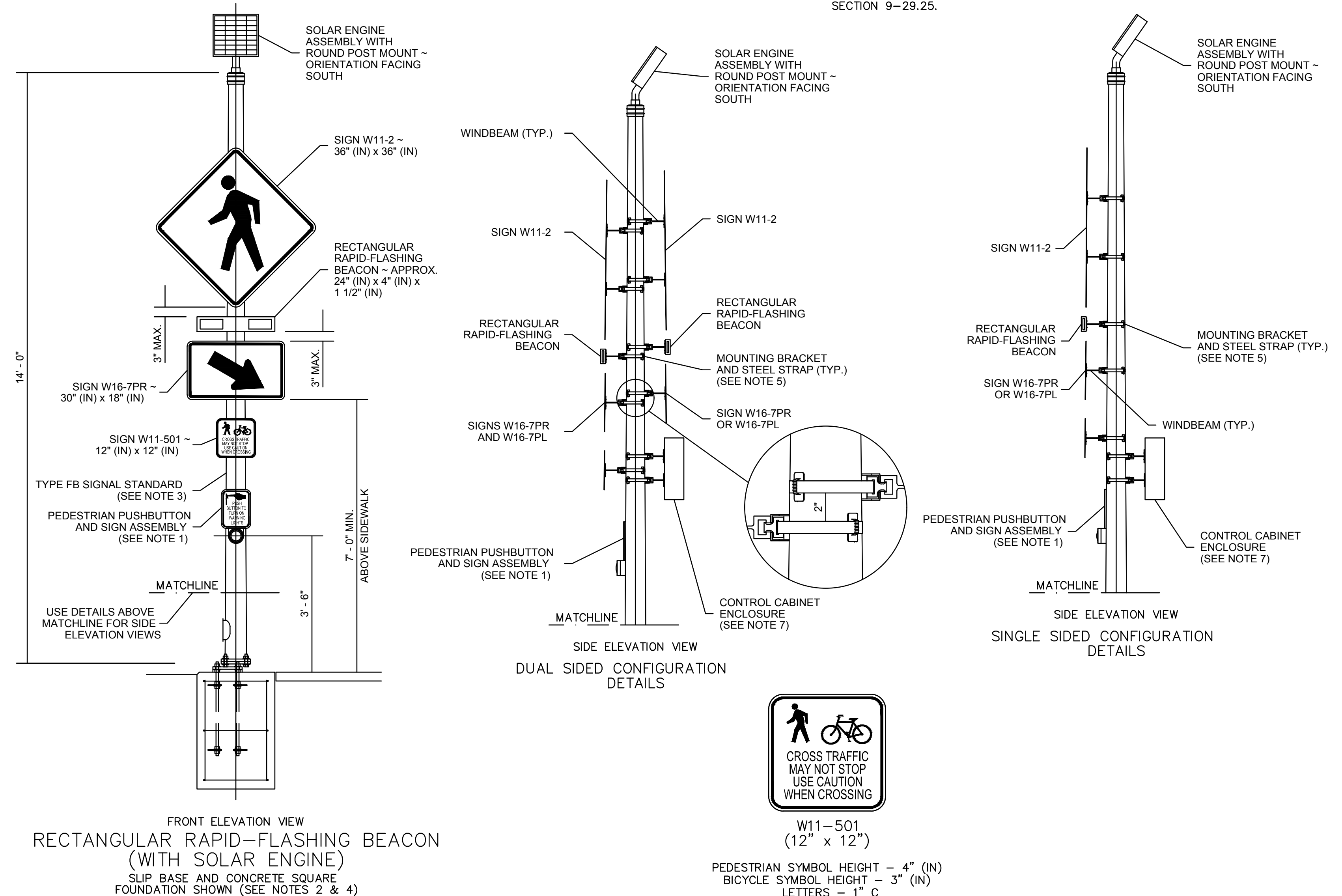
SIGN NO.	SIGN CODE NUMBER	SIGN DESCRIPTION	LOCATION	SIGN SIZE		REMARKS
				X (INCH)	Y (INCH)	
R-1	D3-102	STREET SIGN	B 19+59, 43 RT	36	6	REMOVE SIGN AND POSTS
	D3-102	STREET SIGN		36	6	
	R1-1	STOP		36	36	
R-2	R3-5L	LEFT TURN ONLY	A 59+05, 5 RT	30	36	REMOVE SIGN AND POSTS
R-3	W3-1	STOP AHEAD	B 16+64, 22 RT	48	48	REMOVE SIGN AND POSTS

SIGNING NOTES

- ALL MOUNTING HEIGHTS SHALL BE 7 FEET EXCEPT WHERE NOTED. FOR MOUNTING DETAILS SEE WSDOT STANDARD PLAN G-20.10.
- EXISTING SIGN LOCATIONS ARE APPROXIMATE ONLY.
- FOR CODE REFERENCES SEE WASHINGTON STATE SIGN FABRICATION MANUAL.
- USE TYPE ST-4 SIGN SUPPORT, PER WSDOT STANDARD PLAN G-24.50.
- ALL NEW SIGN SUPPORTS SHALL BE 2.5 INCH SQUARE STEEL 12 GAUGE TELSPAR.
- SEE WSDOT STANDARD PLAN G-30.10 FOR BAND MOUNT DETAILS.

RRFB NOTES

- PEDESTRIAN PUSHBUTTON AND SIGN ASSEMBLY - MAY BE SEPARATE PARTS. USE 9" (IN) X 12" (IN) R10-25 SIGN IN ACCORDANCE WITH 2009 MUTCD. SIGN MAY INCLUDE INTEGRATED WARNING LIGHTS.
- SEE STANDARD PLAN J-21.10 FOR SIGNAL STANDARD FOUNDATION WITH FIXED BASE AND SLIP BASE DETAILS.
- SEE STANDARD PLAN J-21.16 FOR SIGNAL STANDARD DETAILS NOT SHOWN.
- SEE STANDARD PLAN J-21.17, DETAIL C FOR WIRING DETAILS NOT SHOWN.
- SEE STANDARD PLAN G-30.10 FOR SIGN INSTALLATION ON SIGNAL STANDARD DETAILS.
- TERMINATE RRFB CONNECTIONS PER MANUFACTURER'S RECOMMENDATION.
- CONTROL CABINET ENCLOSURE SHALL BE SIZED BY THE RRFB MANUFACTURER. THE CONTROL CABINET SHALL BE MANUFACTURED PER TERMINAL CABINET REQUIREMENTS OF STANDARD SPECIFICATION SECTION 9-29.25.



W11-501
(12" x 12")
PEDESTRIAN SYMBOL HEIGHT - 4" (IN)
BICYCLE SYMBOL HEIGHT - 3" (IN)
LETTERS - 1" C
LEGEND - BLACK
BACKGROUND - YELLOW

ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER
BY: _____
ACCEPTANCE
BY: _____
Expires 2 Years From Acceptance Date

Aug 15, 2018 4:20:45pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES\PHASE 70 - OLD HIGHWAY 99 & 198TH AVE\0650.05.70 SN-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: S DUNN
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1 Date 8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

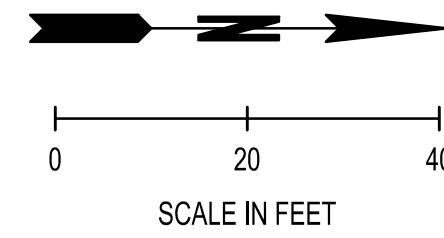
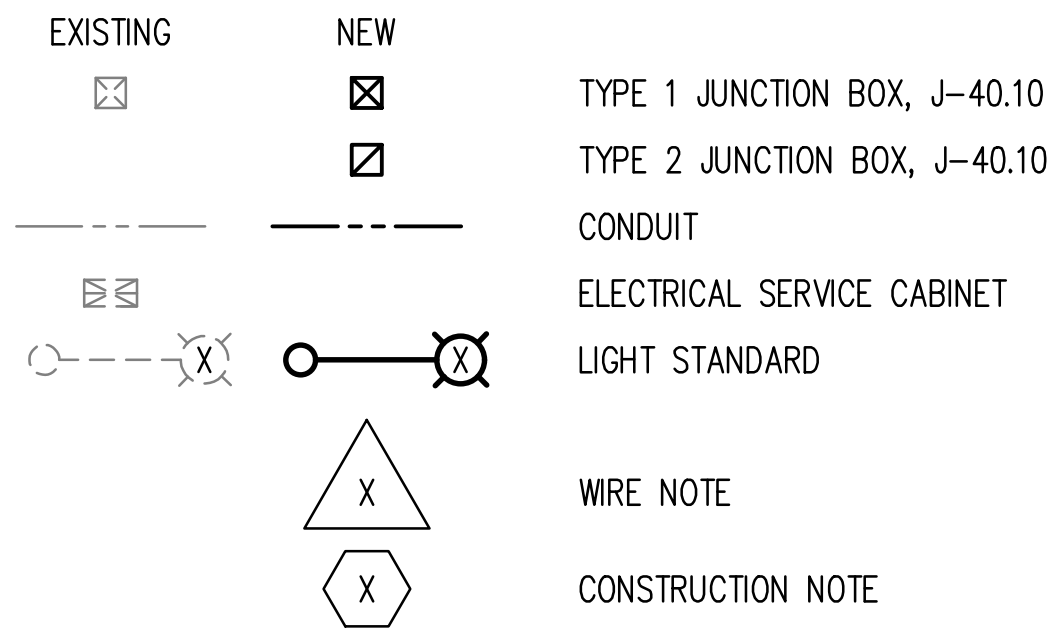
JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

SIGNING PLAN

Sheet
SN-2
24
of
42

LEGEND



LIGHTING SCHEDULE									
LUM NO.	SERVICE NO.	CIRCUIT NO.	TYPE-DISTRIBUTION-WATTAGE	HEIGHT	MAST ARM TYPE/LENGTH	BASE	STATION, OFFSET	FOUNDATION ELEVATION	COMMENT
3	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	A 55+81, 46.5 LT	EX	EXISTING LUMINAIRE
4	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	A 57+33, 46.5 LT	EX	
5	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	B 19+56, 39 RT	174.86	EXISTING LUMINAIRE TO BE RELOCATED
6	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	B 19+50, 50 LT	173.74	
7	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	A 60+66, 49 LT	EX	EXISTING LUMINAIRE
15	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	B 20+78, 38.5 RT	175.84	NEW LUMINAIRE
16	SCX 3053	A	III-MED CUTOFF-400 HPS	40	1/16	FIXED	B 20+85, 53.5 LT	176.00	

ILLUMINATION CONSTRUCTION NOTES

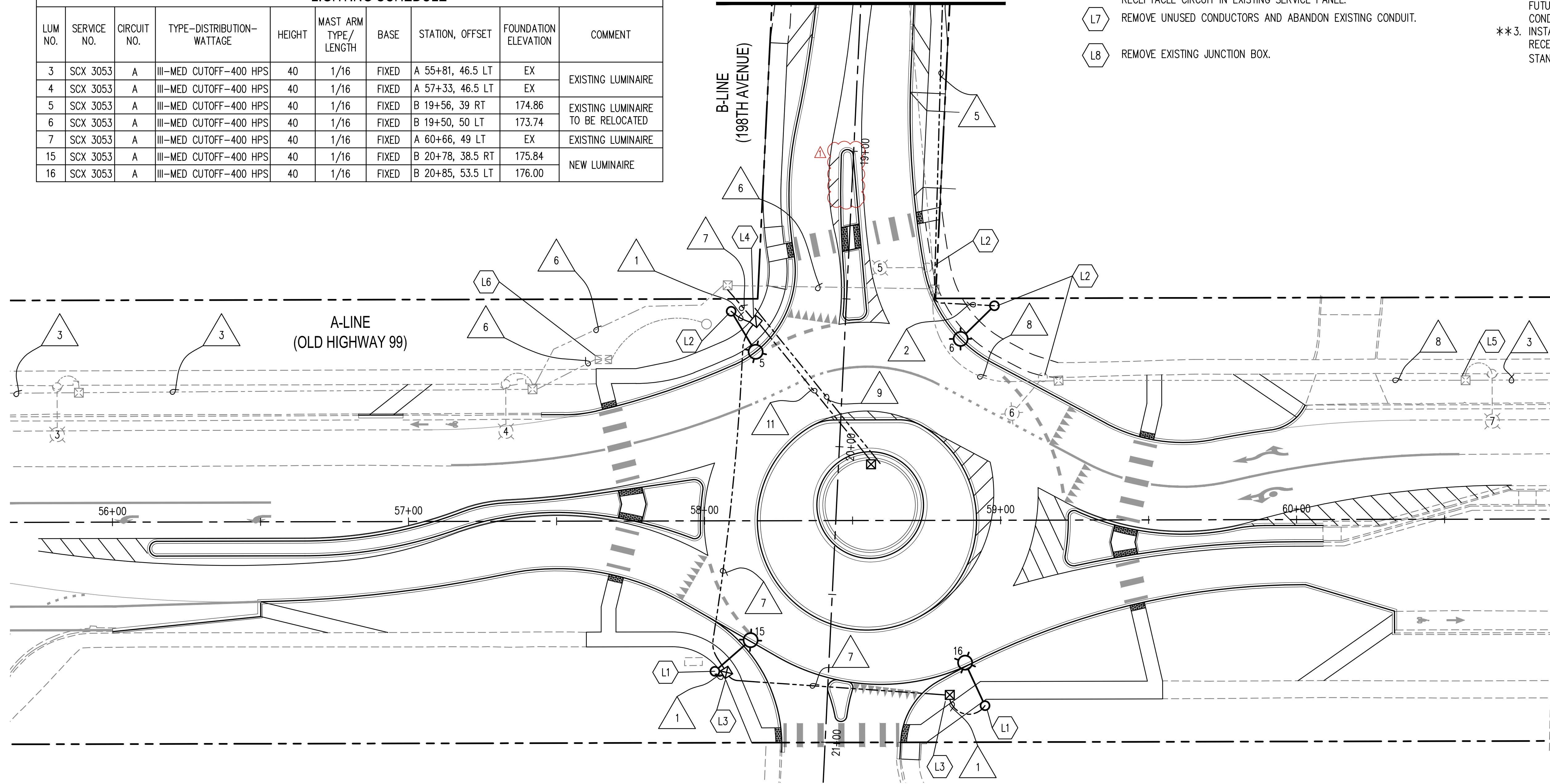
- L1 INSTALL FOUNDATION TYPE A PER WSDOT STANDARD PLAN J-28.30. INSTALL LIGHT STANDARD PER APPLICABLE J-SERIES WSDOT STANDARD PLAN.
- L2 INSTALL FOUNDATION TYPE A PER WSDOT STANDARD PLAN J-28.30. RELOCATE LIGHT STANDARD AND REMOVE EXISTING FOUNDATION.
- L3 INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 1 PER WSDOT STANDARD PLAN J-40.10. ALL JUNCTION BOXES SHALL BE LOCATED IN THE BACK OF SIDEWALK WITH A NON-SKID LID, UNLESS OTHERWISE NOTED.
- L4 INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 2 PER WSDOT STANDARD PLAN J-40.10. ALL JUNCTION BOXES SHALL BE LOCATED IN THE BACK OF SIDEWALK WITH A NON-SKID LID, UNLESS OTHERWISE NOTED.
- L5 SPLICE NEW STREET LIGHTING CIRCUIT TO EXISTING CIRCUIT.
- L6 INSTALL A 2 POLE 50 AMP BREAKER FOR ILLUMINATION CIRCUIT B AND A 1 POLE 20 AMP BREAKER FOR FUTURE CENTRAL ISLAND RECEPTACLE CIRCUIT IN EXISTING SERVICE PANEL.
- L7 REMOVE UNUSED CONDUCTORS AND ABANDON EXISTING CONDUIT.
- L8 REMOVE EXISTING JUNCTION BOX.

WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	WIRE/CABLE			
		CIRCUIT A #8 AWG	CIRCUIT B #8 AWG	CIRCUIT A #6 AWG	CIRCUIT B #6 AWG
1	1" PVC	2			
2	1" PVC		2		
3	EX. 2" PVC	EX. 2			
4	EX. 2" PVC		EX. 2		
5	2" PVC				2
6	EX. 2" PVC			2	2
7	2" PVC	2			
8	EX. 2" PVC			2	
9	*4" PVC				
10	2" PVC		2		
11	2" PVC				

- NOTES:
- 1. ROAD CROSSINGS SHALL BE SCHEDULE 80 PVC
 - *2. INSTALL SPARE CONDUIT AS IRRIGATION SLEEVE FOR FUTURE USE. PLACE REBAR CAPS AT EITHER END OF CONDUIT FLUSH WITH FINISHED GRADE FOR LOCATING.
 - **3. INSTALL SPARE CONDUIT FOR FUTURE CENTER ISLAND RECEPTACLE CIRCUIT. INSTALL PULL STRING PER WSDOT STANDARD SPECIFICATIONS SECTION 8-20.3(5)A.

MATCH B-LINE 18+50
SEE SHEET IL-2



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

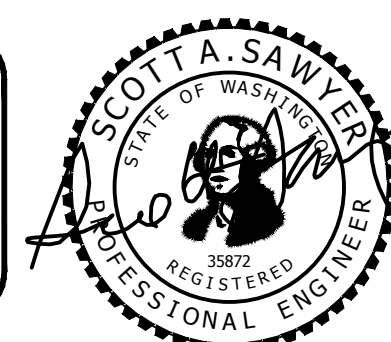
BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

Aug 15, 2018 4:40:36pm - User: matt.weyrauch
N:\PROJECTS\0650 THURSTON COUNTY\0650.05\0650.05.70 IL-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: M JOHNSON
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1
Date
8/16/18



8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

JOB No: 0650.05.70

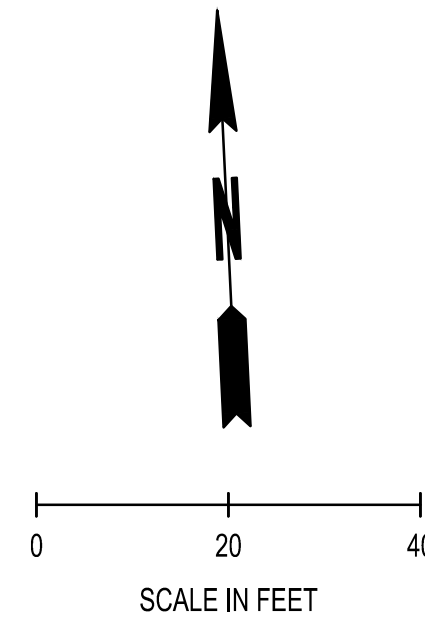
GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

ILLUMINATION PLAN

Sheet
IL-1
25
of
42

LEGEND

EXISTING	NEW	
		TYPE 1 JUNCTION BOX, J-40.10
		TYPE 2 JUNCTION BOX, J-40.10
		CONDUIT
		ELECTRICAL SERVICE CABINET
		LIGHT STANDARD
		WIRE NOTE
		CONSTRUCTION NOTE



ILLUMINATION CONSTRUCTION NOTES

- L1 INSTALL FOUNDATION TYPE A PER WSDOT STANDARD PLAN J-28.30. INSTALL LIGHT STANDARD PER APPLICABLE J-SERIES WSDOT STANDARD PLAN.
- L2 INSTALL FOUNDATION TYPE A PER WSDOT STANDARD PLAN J-28.30. RELOCATE LIGHT STANDARD AND REMOVE EXISTING FOUNDATION.
- L3 INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 1 PER WSDOT STANDARD PLAN J-40.10. ALL JUNCTION BOXES SHALL BE LOCATED IN THE BACK OF SIDEWALK WITH A NON-SKID LID, UNLESS OTHERWISE NOTED.
- L4 INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 2 PER WSDOT STANDARD PLAN J-40.10. ALL JUNCTION BOXES SHALL BE LOCATED IN THE BACK OF SIDEWALK WITH A NON-SKID LID, UNLESS OTHERWISE NOTED.
- L5 SPLICE NEW STREET LIGHTING CIRCUIT TO EXISTING CIRCUIT.
- L6 INSTALL A 2 POLE 50 AMP BREAKER FOR ILLUMINATION CIRCUIT B AND A 1 POLE 20 AMP BREAKER FOR FUTURE CENTRAL ISLAND RECEPTACLE CIRCUIT IN EXISTING SERVICE PANEL.
- L7 REMOVE UNUSED CONDUCTORS AND ABANDON EXISTING CONDUIT.
- L8 REMOVE EXISTING JUNCTION BOX.

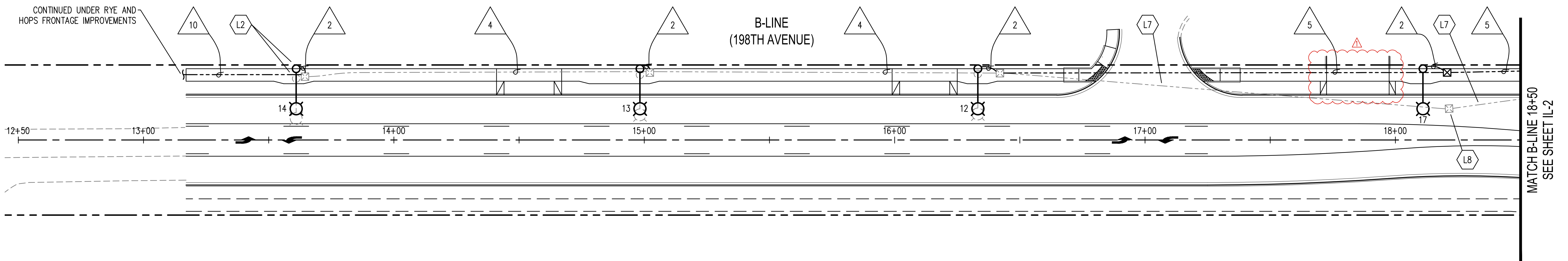
WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	WIRE/CABLE			
		CIRCUIT A #8 AWG	CIRCUIT B #8 AWG	CIRCUIT A #6 AWG	CIRCUIT B #6 AWG
1	1" PVC	2			
2	1" PVC		2		
3	EX. 2" PVC	EX. 2			
4	EX. 2" PVC		EX. 2		
5	2" PVC				2
6	EX. 2" PVC			2	2
7	2" PVC	2			
8	EX. 2" PVC			2	
9	*4" PVC				
10	2" PVC		2		
11	2" PVC				

- NOTES:**
1. ROAD CROSSINGS SHALL BE SCHEDULE 80 PVC
 - *2. INSTALL SPARE CONDUIT AS IRRIGATION SLEEVE FOR FUTURE USE. PLACE REBAR CAPS AT EITHER END OF CONDUIT FLUSH WITH FINISHED GRADE FOR LOCATING.
 - **3. INSTALL SPARE CONDUIT FOR FUTURE CENTER ISLAND RECEPTACLE CIRCUIT. INSTALL PULL STRING PER WSDOT STANDARD SPECIFICATIONS SECTION 8-20.3(5)A.

LIGHTING SCHEDULE

LUM NO.	SERVICE NO.	CIRCUIT NO.	TYPE-DISTRIBUTION-WATTAGE	HEIGHT	MAST ARM TYPE/LENGTH	BASE	STATION, OFFSET	FOUNDATION ELEVATION	COMMENT
12	SCX 3053	B	III-MED CUTOFF-200 HPS	30	1/16	FIXED	B 16+33, 28.5 LT	172.39	EXISTING LUMINAIRE TO BE RELOCATED
13	SCX 3053	B	III-MED CUTOFF-200 HPS	30	1/16	FIXED	B 14+98, 28.5 LT	171.65	
14	SCX 3053	B	III-MED CUTOFF-200 HPS	30	1/16	FIXED	B 13+61, 28.5 LT	171.29	
17	SCX 3053	B	III-MED CUTOFF-400 HPS	40	1/16	FIXED	B 18+11, 28.5 LT	173.65	NEW LUMINAIRE



Aug 15, 2018 4:40:20pm - User: matt.weyrauch
 N:\PROJECTS\0650 THURSTON COUNTY\0650.05\0650.05.70 IL-1.DWG

ACCEPTED AS NOTED
 THURSTON COUNTY PUBLIC WORKS
 SVS. COUNTY ENGINEER
 BY: _____
 ACCEPTANCE
 BY: _____
 Expires 2 Years From Acceptance Date

THURSTON COUNTY PUBLIC WORKS
 9605 TILLEY RD S. STE-C
 OLYMPIA, WA 98512
 (360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
 Drafted: M JOHNSON
 Checked: S SAWYER
 Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18



8730 TALLON LANE NE, SUITE 200
 LACEY, WASHINGTON 98516
 P: 360-352-1465 F: 360-352-1509
 SCJALLIANCE.COM
 JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
 THURSTON COUNTY, WASHINGTON

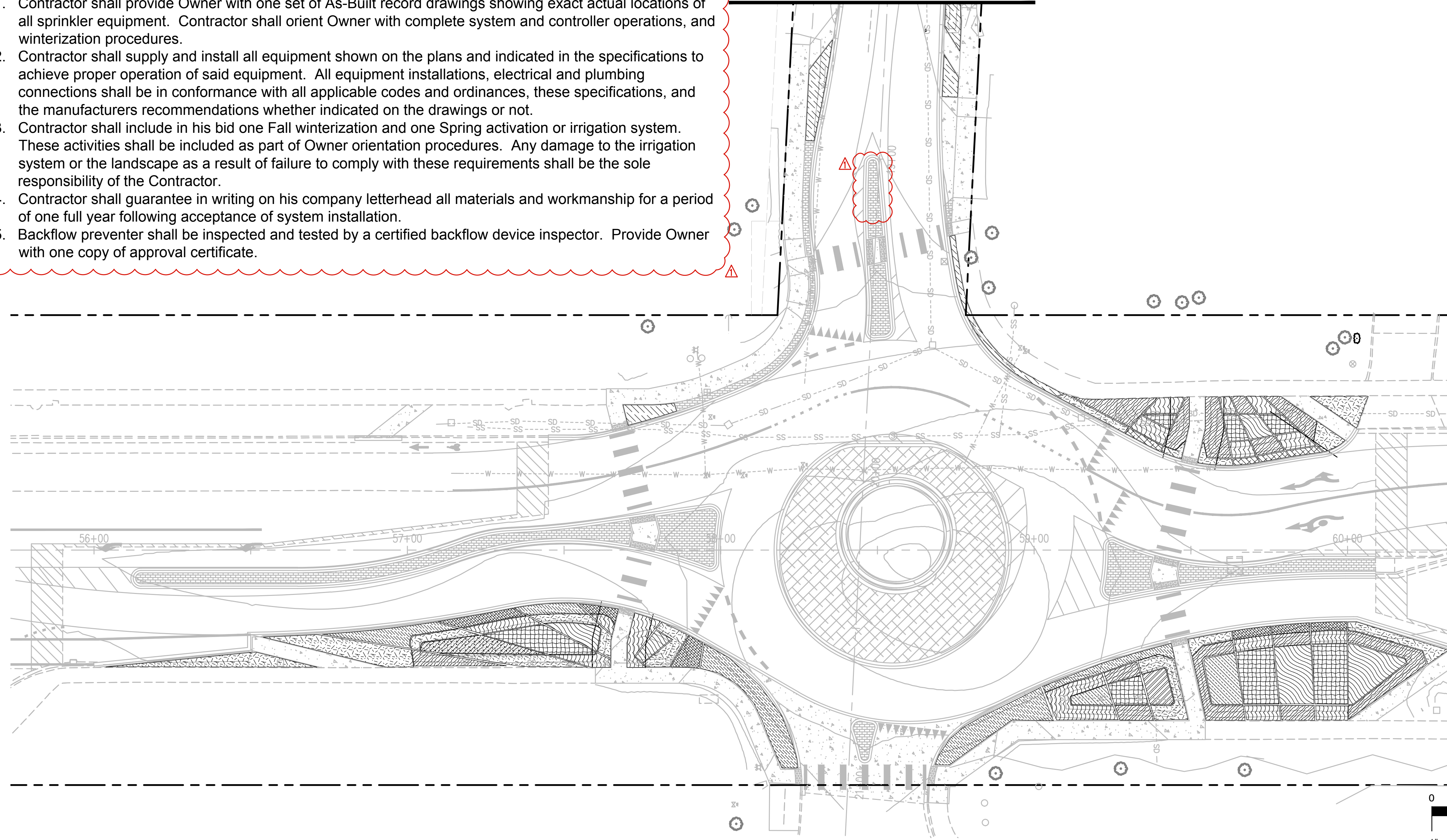
ILLUMINATION PLAN

Sheet
 IL-2
 26 of 42

Temporary above-ground irrigation specifications:

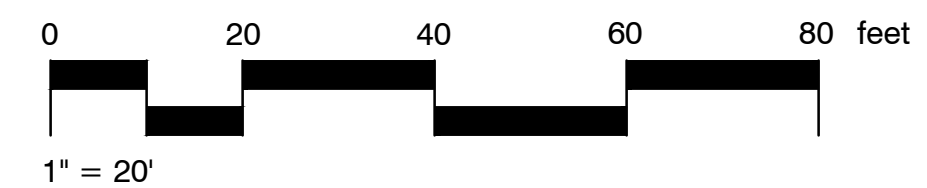
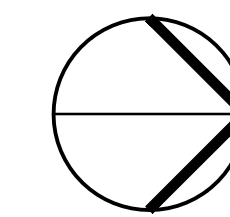
1. Provide a bidder-designed automatic, temporary above ground irrigation system that conforms to these installation notes/specifications.
2. Contractor is responsible for coordinating connections to the County's water system.
3. Head to head coverage shall be provided for all landscape areas. Single head coverage shall not be allowed. Precipitation application rates shall be uniform within any given zone or station.
4. Lawn areas and shrub beds shall be irrigated separately. No zone or station shall be allowed that incorporates both lawn and shrub areas without prior approval of the Landscape Architect.
5. All manual, gate and electrical valves and underground equipment shall be housed in Nelson, Ametek or equal locking valve boxes.
6. No on-line wire splices allowed. Supply valve boxes at all electrical junctions. Tape and bundle wires every 25 linear feet.
7. Contractor is responsible for complete system drainage. Install manual drains at all mainline low point(s).
8. All threaded pipe connections shall be made using Teflon tape wrapped at least three times around pipe threads.
9. All gate and electric valves shall be installed with unions on the downstream end of the valve (refer to details).
10. All pipe shall have a firm uniform bearing for the entire length of each line, free of rocks or debris.
11. Contractor shall provide Owner with one set of As-Built record drawings showing exact actual locations of all sprinkler equipment. Contractor shall orient Owner with complete system and controller operations, and winterization procedures.
12. Contractor shall supply and install all equipment shown on the plans and indicated in the specifications to achieve proper operation of said equipment. All equipment installations, electrical and plumbing connections shall be in conformance with all applicable codes and ordinances, these specifications, and the manufacturers recommendations whether indicated on the drawings or not.
13. Contractor shall include in his bid one Fall winterization and one Spring activation or irrigation system. These activities shall be included as part of Owner orientation procedures. Any damage to the irrigation system or the landscape as a result of failure to comply with these requirements shall be the sole responsibility of the Contractor.
14. Contractor shall guarantee in writing on his company letterhead all materials and workmanship for a period of one full year following acceptance of system installation.
15. Backflow preventer shall be inspected and tested by a certified backflow device inspector. Provide Owner with one copy of approval certificate.

MATCH B-LINE 18+50
SEE SHEET LA-2



PLANT SCHEDULE

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	CONT	SPACING
	CK2	94	CORNUS SERICEA 'KELSEYI' KELSEYI DOGWOOD	2 GAL	36" o.c.
	MR2	478	MAHONIA REPENS CREEPING MAHONIA	1 GAL	24" o.c.
	SM2	205	SPIRAEA JAPONICA 'MAGIC CARPET' MAGIC CARPET SPIREA	2 GAL	36" o.c.
GRASS AREAS	CODE	QTY	BOTANICAL NAME	CONT	SPACING
	CS2	38	CAREX ATHROSTACHYA SLENDERBEAK SEDGE	1 GAL	24" o.c.
	CO2	56	CAREX OBNUPTA SLOUGH SEDGE	1 GAL	24" o.c.
	CU2	22	CAREX UNILATERALIS ONE SIDED SEDGE	1 GAL	24" o.c.
	DT2	457	DESCHAMPSIA CESPITOSA TUFTED HAIR GRASS	1 GAL	24" o.c.
	EP2	275	ELEOCHARIS PALUSTRIS GREAT SPIKE RUSH	4"POT	18" o.c.
PERRENIALS	CODE	QTY	BOTANICAL NAME	CONT	SPACING
	AS2	163	ASTER SUBSPICATUS DOUGLAS ASTER	1 GAL	18" o.c.
	IC2	483	IRIS X CALIFORNICAE PACIFIC COAST IRIS	1 GAL	18" o.c.



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

Aug 16, 2018 9:10:01am - User: gja@scj.com - PROJECT: 0650 THURSTON COUNTY ON-CALL ENGINEERING SERVICES (PHASE 70 - OLD HIGHWAY 99 & 188TH AVE) (CAD) 0650.05.70 LA-1.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: M WEYRAUCH
Drafted: K. JANKOVSKY
Checked: S SAWYER
Scale: AS NOTED

Revisions
ADDENDUM 1
Date
8/16/18



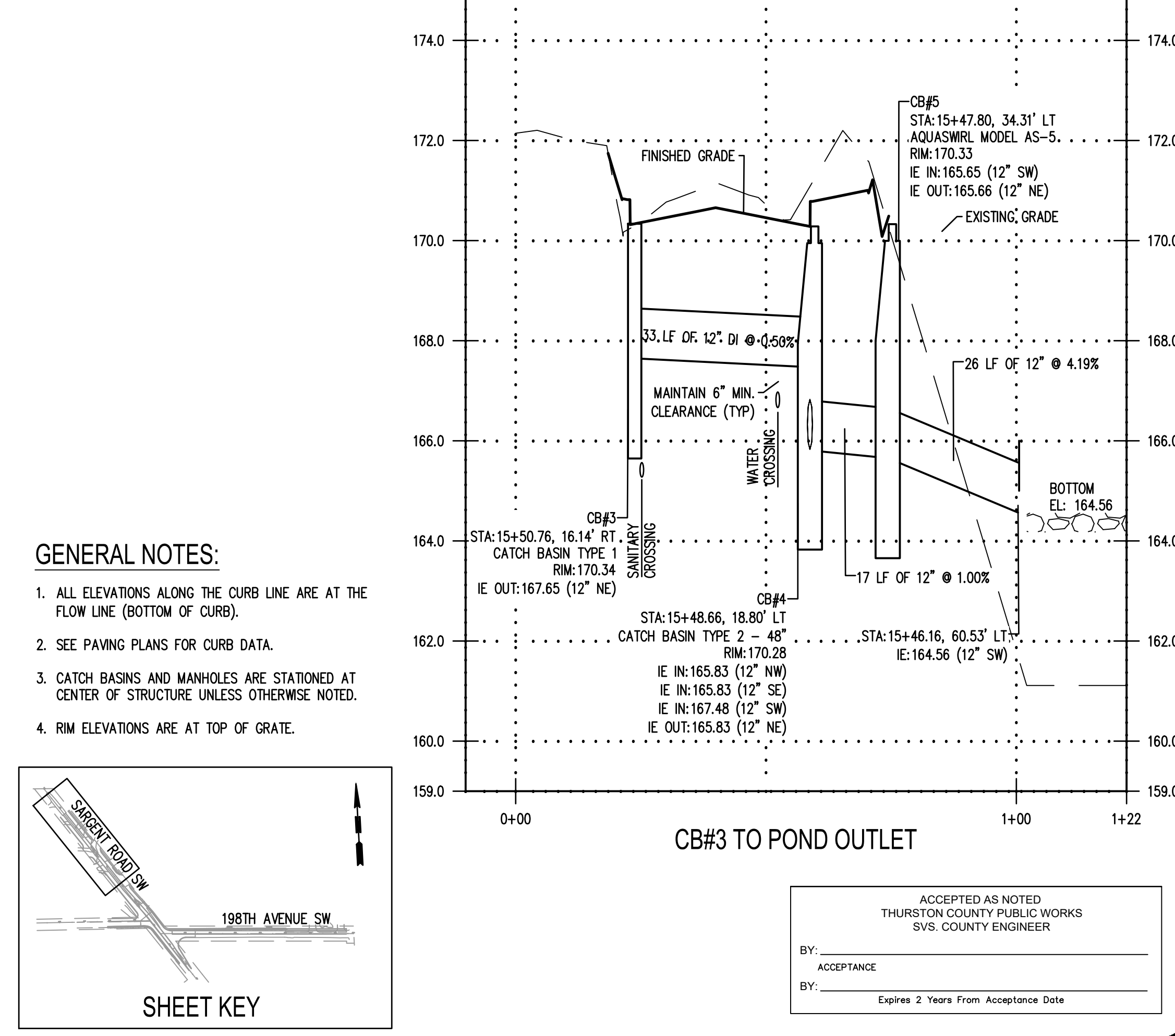
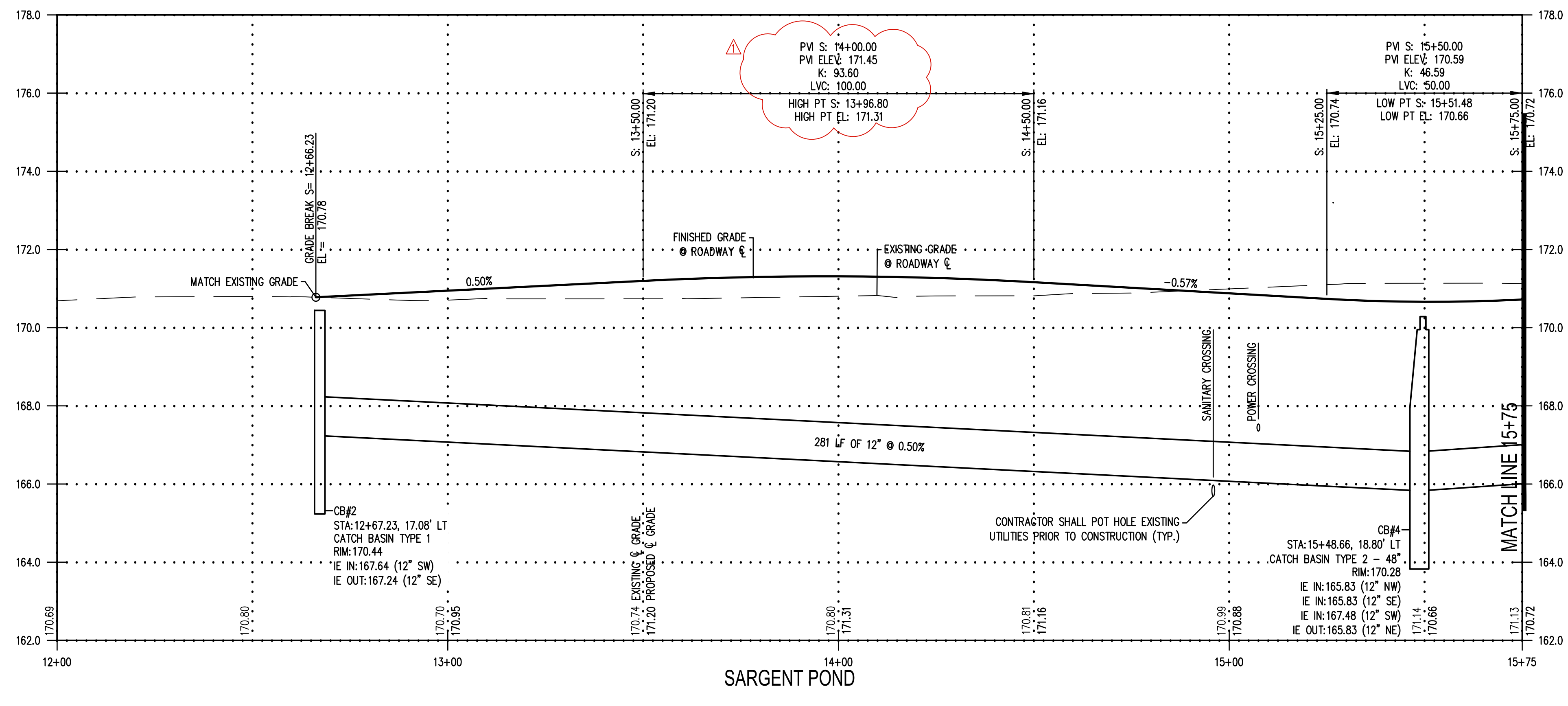
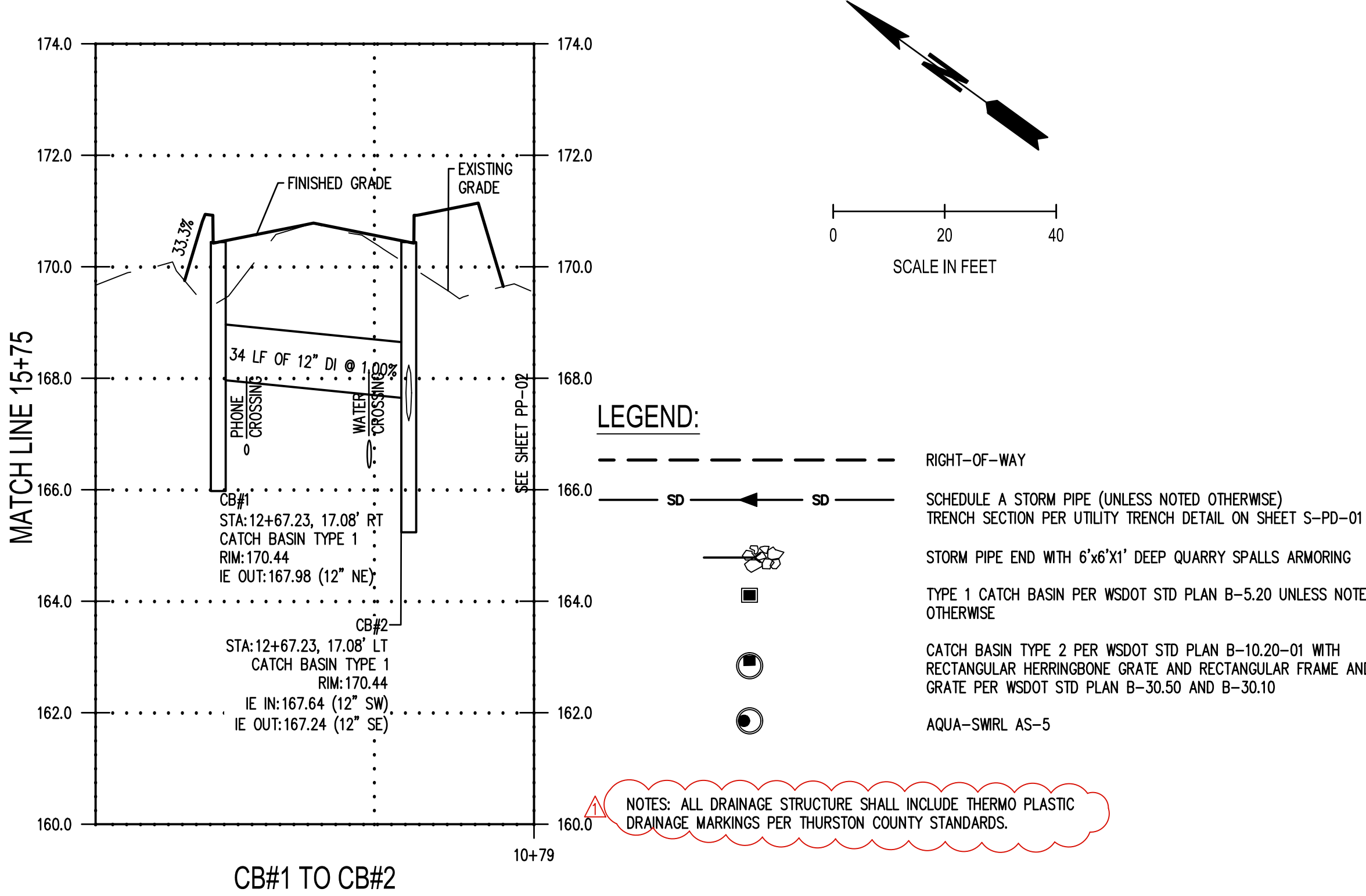
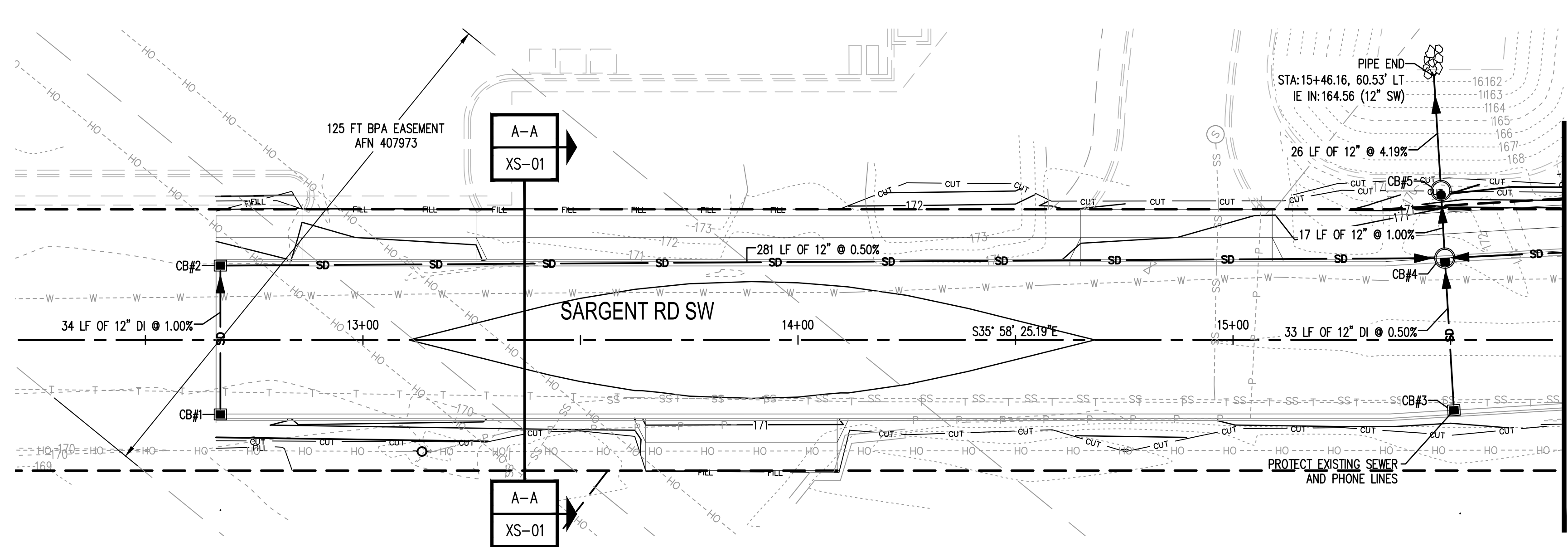
8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

JOB No: 0650.05.70

GRAND MOUND ROADWAY IMPROVEMENTS
THURSTON COUNTY, WASHINGTON

LANDSCAPE PLAN

Sheet
LA-1
27 of 42



Aug 16, 2018 9:10:08am - User: brendon.johnson
N:\PROJECTS\2425 CHEHALIS TRIBAL PLANNING\2425.01 EAGLE ONE FRONTAGE IMPROVEMENTS\PHASE 50 -CONSTRUCTION DOCUMENTS\CADD\2425.01_PP-01.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: J. GIBSON
Drafted: L. SATER
Checked: B. JOHNSON
Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18

SCJ ALLIANCE
CONSULTING SERVICES

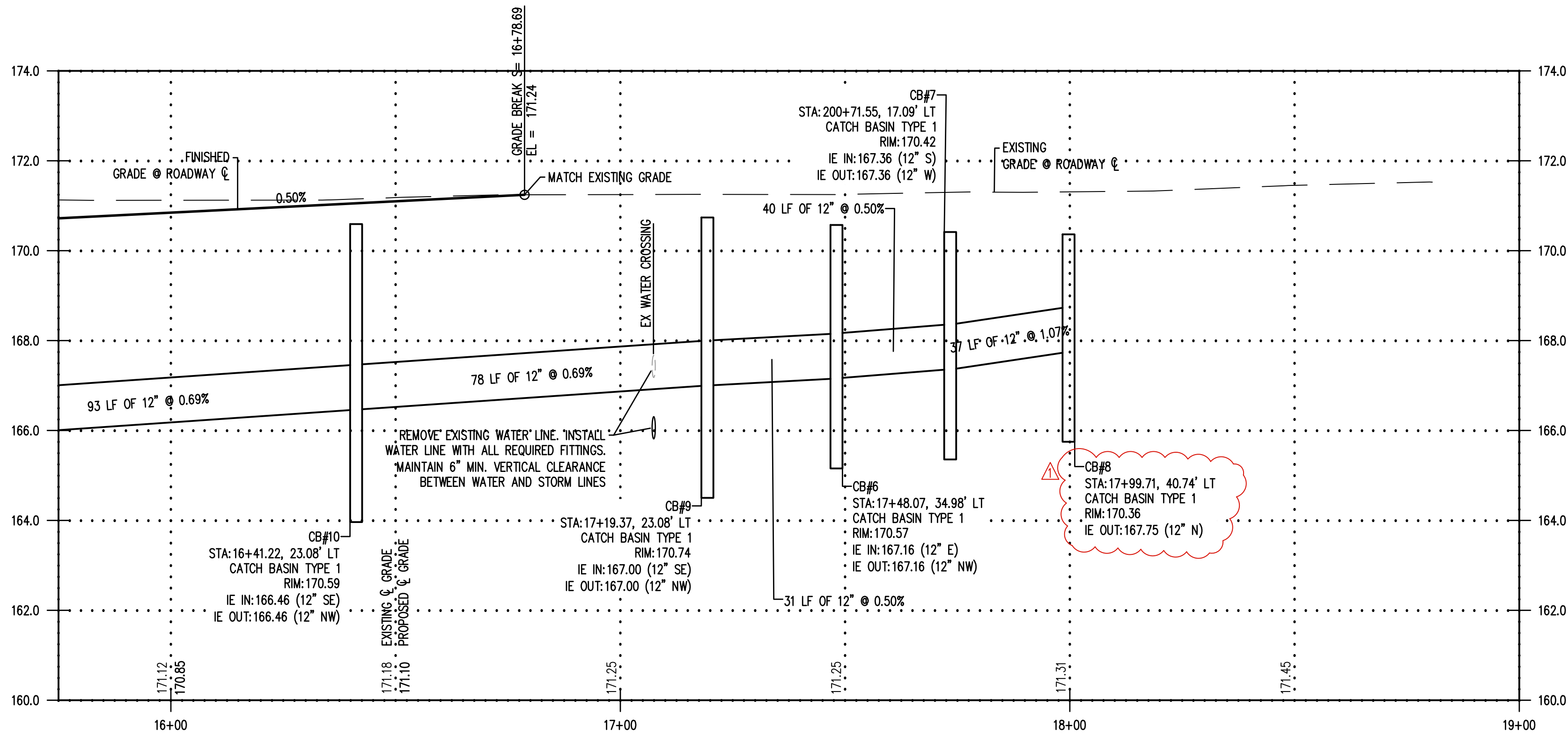
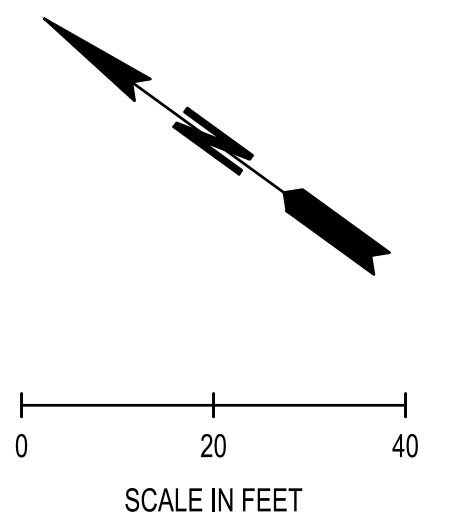
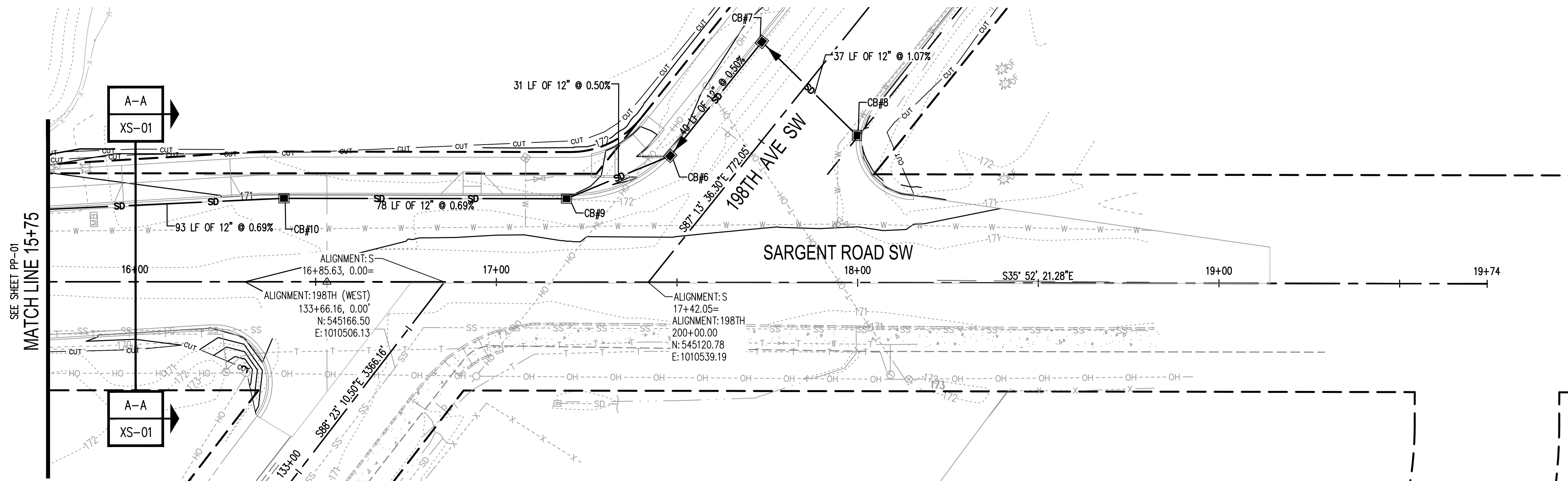
8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

SCJ JOB NO: 2425.01
THURSTON CO. NO.: 2016100400

OLD HIGHWAY 99 & 198TH AVENUE ROUNDABOUT
THURSTON COUNTY, WASHINGTON

ROADWAY AND DRAINAGE PLAN AND PROFILE

Sheet
S-PP-01
34
of
42



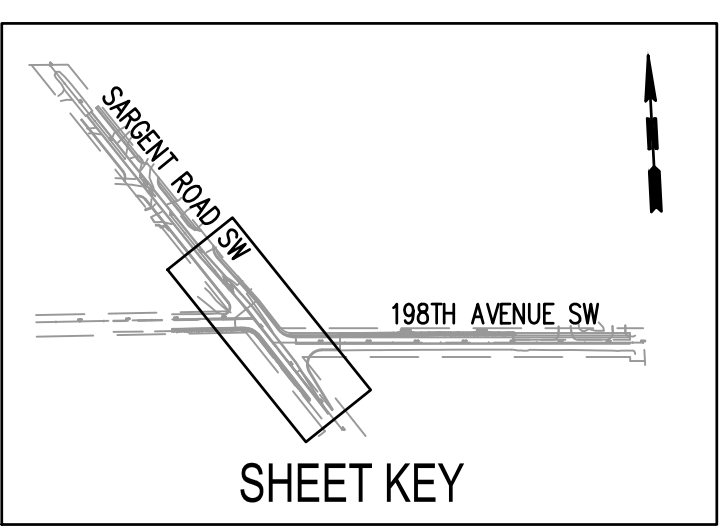
LEGEND:

- RIGHT-OF-WAY
- SCHEDULE A STORM PIPE (UNLESS NOTED OTHERWISE)
TRENCH SECTION PER UTILITY TRENCH DETAIL ON SHEET S-PD-01
- STORM PIPE END WITH 6"x6"x1' DEEP QUARRY SPALLS ARMORING
- TYPE 1 CATCH BASIN PER WSDOT STD PLAN B-5.20 UNLESS NOTED OTHERWISE
- CATCH BASIN TYPE 2 PER WSDOT STD PLAN B-10.20-01 WITH RECTANGULAR HERRINGBONE GRATE AND RECTANGULAR FRAME AND GRATE PER WSDOT STD PLAN B-30.50 AND B-30.10
- AQUA-SMRL AS-5

NOTES: ALL DRAINAGE STRUCTURE SHALL INCLUDE THERMO PLASTIC DRAINAGE MARKINGS PER THURSTON COUNTY STANDARDS.

GENERAL NOTES:

1. ALL ELEVATIONS ALONG THE CURB LINE ARE AT THE FLOW LINE (BOTTOM OF CURB).
2. SEE PAVING PLANS FOR CURB DATA.
3. CATCH BASINS AND MANHOLES ARE STATIONED AT CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
4. RIM ELEVATIONS ARE AT TOP OF GRATE.



ACCEPTED AS NOTED
THURSTON COUNTY PUBLIC WORKS
SVS. COUNTY ENGINEER

BY: _____
ACCEPTANCE

BY: _____
Expires 2 Years From Acceptance Date

Aug 16, 2018 9:10:27am - User: brendan.johnson
N:\PROJECTS\2425 CHEHALIS TRIBAL PLANNING\2425.01 EAGLE ONE FRONTAGE IMPROVEMENTS\PHASE 50 -CONSTRUCTION DOCUMENTS\CADD\2425.01_PP-02.DWG

THURSTON COUNTY PUBLIC WORKS
9605 TILLEY RD S. STE-C
OLYMPIA, WA 98512
(360)867-2300

PROJECT No: 61497



Designed: J. GIBSON
Drafted: L. SATER
Checked: B. JOHNSON
Scale: AS NOTED

Revisions
ADDENDUM 1
Date
8/16/18

7/13/18



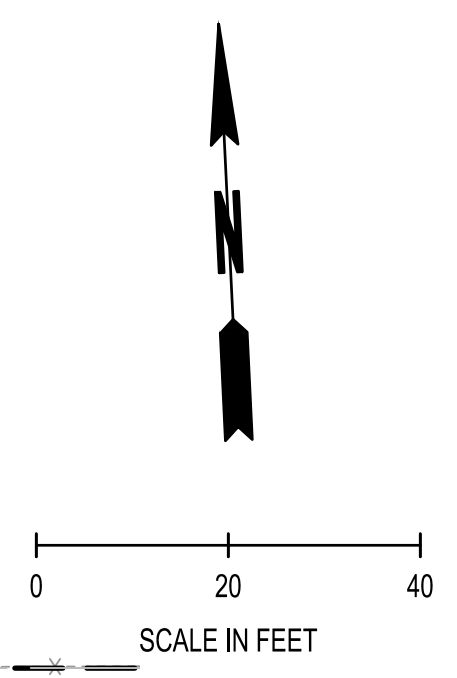
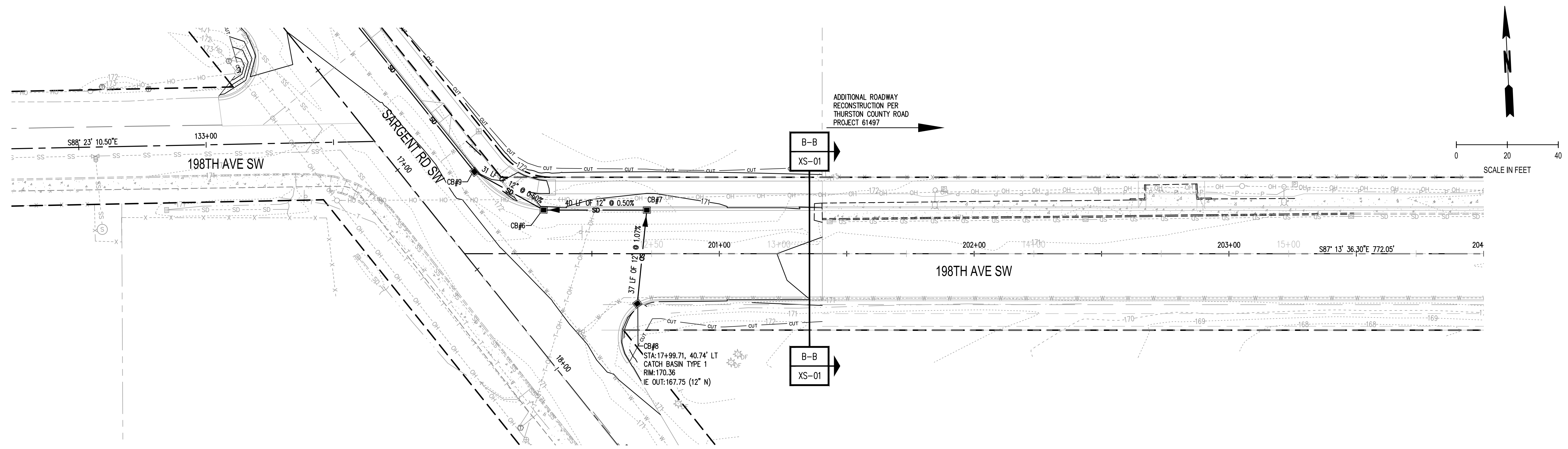
8730 TALLON LANE NE, SUITE 200
LACEY, WASHINGTON 98516
P: 360-352-1465 F: 360-352-1509
SCJALLIANCE.COM

SCJ JOB NO: 2425.01
THURSTON CO. NO.: 2016100400

OLD HIGHWAY 99 & 198TH AVENUE ROUNDABOUT
THURSTON COUNTY, WASHINGTON

ROADWAY AND DRAINAGE PLAN AND PROFILE

Sheet
S-PP-02
35
of
42

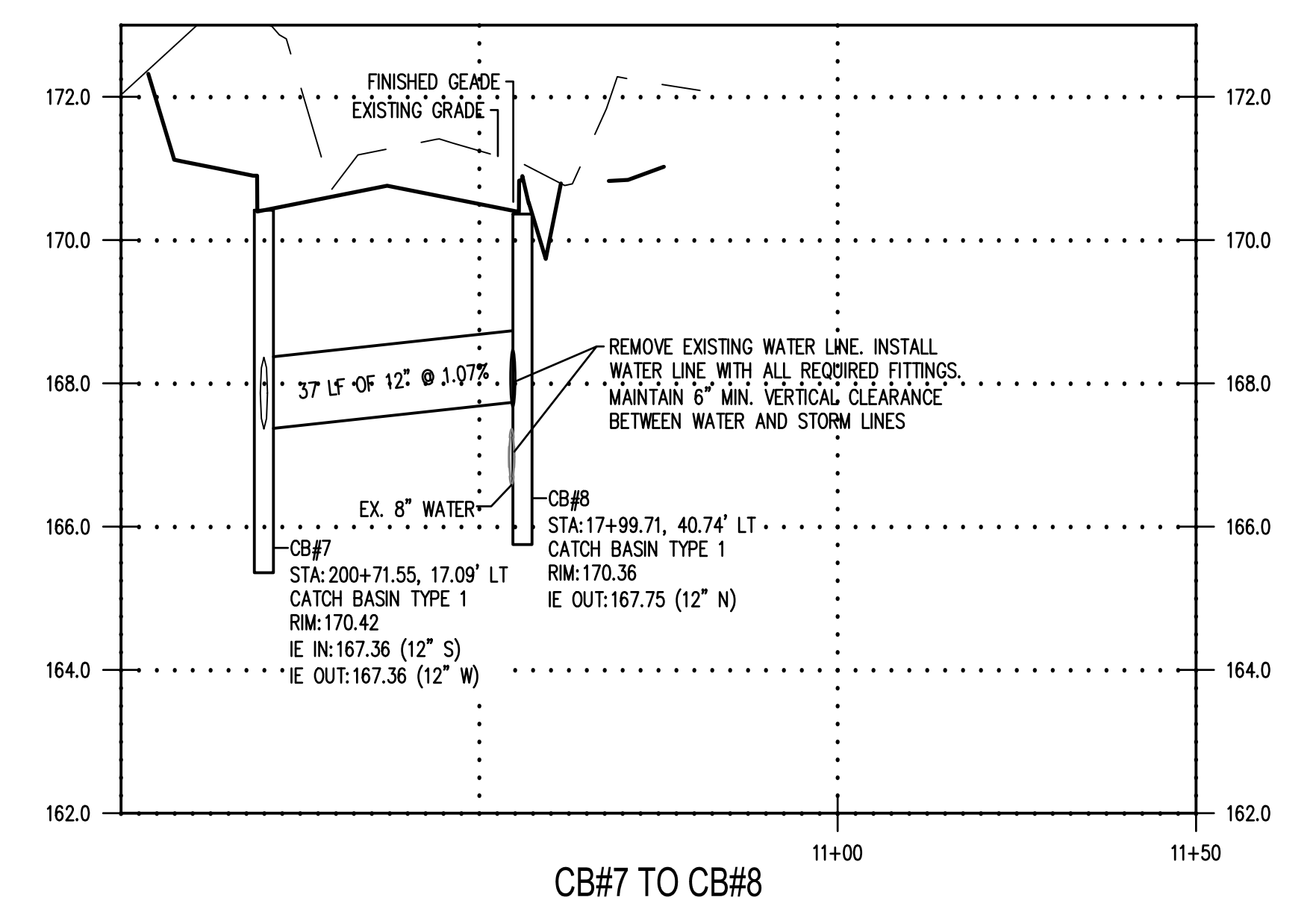
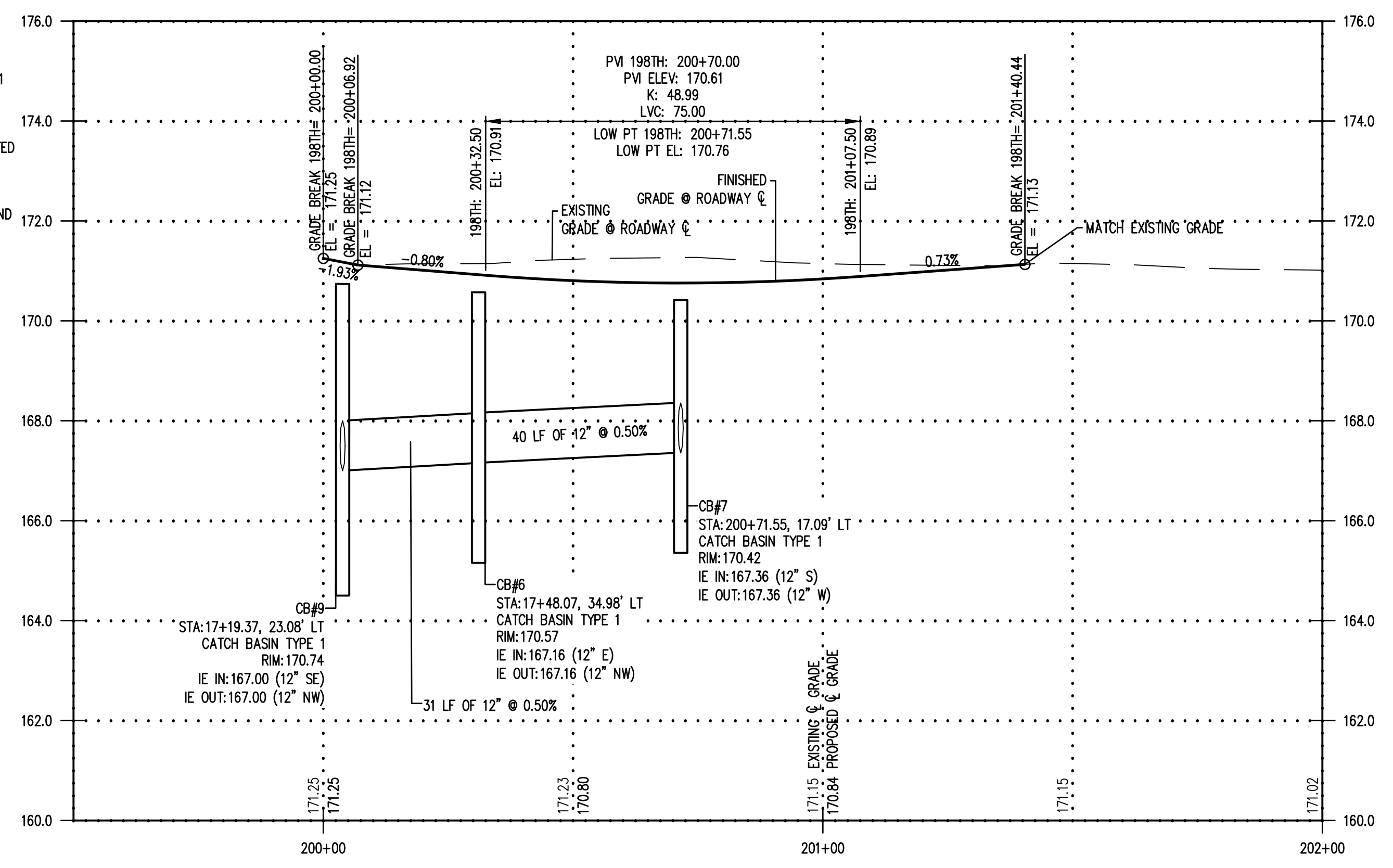
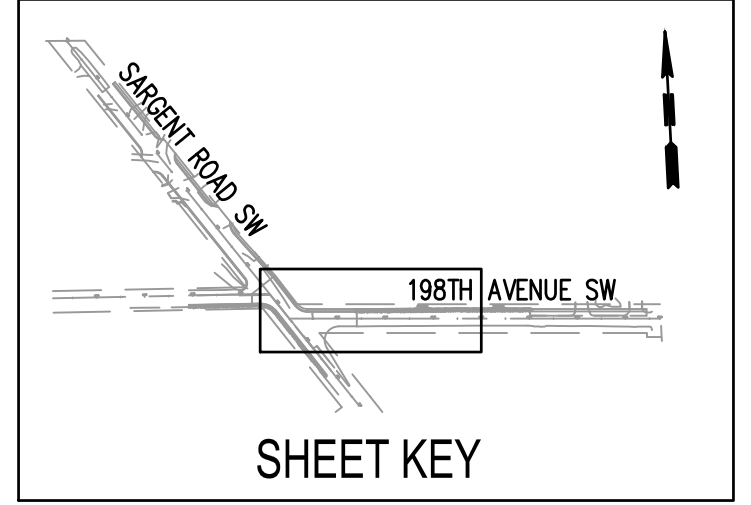


- LEGEND:**
- RIGHT-OF-WAY
 - SCHEDULE A STORM PIPE (UNLESS NOTED OTHERWISE) TRENCH SECTION PER UTILITY TRENCH DETAIL ON SHEET S-PP-01
 - STORM PIPE END WITH 6"x6"X1' DEEP QUARRY SPALLS ARMORING
 - TYPE 1 CATCH BASIN PER WSDOT STD PLAN B-5.20 UNLESS NOTED OTHERWISE
 - CATCH BASIN TYPE 2 PER WSDOT STD PLAN B-10.20-01 WITH RECTANGULAR HERRINGBONE GRATE AND RECTANGULAR FRAME AND GRATE PER WSDOT STD PLAN B-30.50 AND B-30.10
 - AQUA-SWIRL AS-5

NOTES: ALL DRAINAGE STRUCTURE SHALL INCLUDE THERMO PLASTIC DRAINAGE MARKINGS PER THURSTON COUNTY STANDARDS.

GENERAL NOTES:

1. ALL ELEVATIONS ALONG THE CURB LINE ARE AT THE FLOW LINE (BOTTOM OF CURB).
2. SEE PAVING PLANS FOR CURB DATA.
3. CATCH BASINS AND MANHOLES ARE STATIONED AT CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
4. RIM ELEVATIONS ARE AT TOP OF GRATE.



ACCEPTED AS NOTED
 THURSTON COUNTY PUBLIC WORKS
 SVS. COUNTY ENGINEER

BY: _____
 ACCEPTANCE

BY: _____
 Expires 2 Years From Acceptance Date

Aug 16, 2018 9:11:00am - User: brandon.johnson - PROJECTS\2425 CHEHALIS TRIBAL PLANNING\2425.01 EAGLE ONE FRONTAGE IMPROVEMENTS\PHASE 50 -CONSTRUCTION DOCUMENTS\CADD\2425.01_PP-03.DWG

THURSTON COUNTY PUBLIC WORKS
 9605 TILLEY RD S. STE-C
 OLYMPIA, WA 98512
 (360)867-2300

PROJECT No: 61497



Designed: J. GIBSON
 Drafted: L. SATER
 Checked: B. JOHNSON
 Scale: AS NOTED

Revisions	Date
ADDENDUM 1	8/16/18

SCJ ALLIANCE
 CONSULTING SERVICES

8730 TALLON LANE NE, SUITE 200
 LACEY, WASHINGTON 98516
 P: 360-352-1465 F: 360-352-1509
 SCJALLIANCE.COM

SCJ JOB NO: 2425.01
 THURSTON CO. NO.: 2016100400

OLD HIGHWAY 99 & 198TH AVENUE ROUNDABOUT
 THURSTON COUNTY, WASHINGTON

ROADWAY AND DRAINAGE PLAN AND PROFILE

Sheet
 S-PP-03
 36
 of
 42