



CITY OF
**West
Linn**

CITY OF WEST LINN VALLEY VIEW DR AND SUNCREST DR STREET IMPROVEMENTS

PW-17-02



PAGE	SHEET(S)	TITLE
1	CS	COVER SHEET
2	GN	GENERAL NOTES
3	QS	QUANTITY SHEET
4 - 6	S1.1 - S1.3	SUNCREST DRIVE PLAN VIEW
7	S2.1	SUNCREST DRIVE PROFILE VIEW
8	S2.2	SUNCREST DRIVE CROSS-SECTION
9	S3.1	DRIVEWAY DETAIL - 19001 SUNCREST DR
10	S3.2	DRIVEWAY DETAILS - 19101 SUNCREST DR
11	S3.3	DRIVEWAY DETAIL - 19110 SUNCREST DR
12	S3.4	DRIVEWAY DETAIL - 19142 SUNCREST DR
13	S3.5	DRIVEWAY DETAIL - 19214 SUNCREST DR
14	S3.6	DRIVEWAY DETAIL - 19240 SUNCREST DR
15	S3.7	SUNCREST DRIVE (AT RIDGEBROOK DR) CURB RAMP DETAILS
16	S3.8	SUNCREST DRIVE (AT VALLEY VIEW DR) CURB RAMP DETAILS
17	S4.1	SUNCREST DRIVE STORM DRAIN IMPROVEMENTS
18-21	V1.1 - V1.4	VALLEY VIEW DRIVE PLAN VIEW
22	V2.1	VALLEY VIEW DRIVE PROFILE
23	V2.2	VALLEY VIEW DRIVE CROSS-SECTION, STA 1+35 TO 4+50
24	V2.3	VALLEY VIEW DRIVE CROSS-SECTION, STA 4+75 TO 8+00
25	V3.1	DRIVEWAY DETAIL - 1685 VALLEY VIEW DR
26	V3.2	DRIVEWAY DETAIL - 1755 VALLEY VIEW DR
27	V3.3	DRIVEWAY DETAIL - 1825 VALLEY VIEW DR
28	V3.4	DRIVEWAY DETAIL - 1875 VALLEY VIEW DR
29	V3.5	DRIVEWAY DETAIL - 1880 VALLEY VIEW DR
30	V3.6	DRIVEWAY DETAIL - 1890 VALLEY VIEW DR
31	V3.7	DRIVEWAY DETAIL - 1893 VALLEY VIEW DR
32	V3.8	DRIVEWAY DETAIL - 1900 VALLEY VIEW DR
33	V3.9	DRIVEWAY DETAIL - 1921 VALLEY VIEW DR
34	V3.10	VALLEY VIEW DRIVE (AT KAPTEYNS ST) CURB RAMP DETAILS
35	V4.1	VALLEY VIEW DRIVE STORM DRAIN IMPROVEMENTS
36	D1	STANDARD DETAILS
37	D2	STANDARD DETAILS
38	D3	STANDARD DETAILS
39	D4	STANDARD DETAILS
40	D5	STANDARD DETAILS



CITY OF WEST LINN
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PHONE: (503) 722-5500
FAX: (503) 656-4106



EXPIRES: 12/31/2019

~~2-7-18~~

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Cover Sheet

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION

DATE	DESCRIPTION

COVER SHEET

CS

1 OF 40

REVIEWED

By Morgan Palmer at 3:38 pm, Oct 24, 2018

GENERAL NOTE

All work within the public right-of-way shall conform to the current ODOT Oregon Standard Specifications for Construction

GIS BASE MAP INFORMATION

Data Source: West Linn GIS
OGIC Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

ATTENTION

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 OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987).



Know what's below.
Call before you dig.



PW-17-02

1. All construction shall conform to the current City of West Linn's Public Works Standards. The ODOT Standard Specifications for Construction will apply for measurement and payment.
2. This set of plans has been reviewed for compliance with City of West Linn requirements prior to issuance for construction. However, such review shall not prevent the City Engineer from requiring correction of errors or omissions in plans found to be in violation of any law or ordinance.
3. The City Engineer does not warrant any quantities shown on these plans. Quantities are estimates. Unit pricing to be used for all construction.
4. The Engineering Division, Inspection Section shall be notified twenty-four (24) hours prior to any construction work by telephone at 503-722-5500. Any work concealed without inspection shall be subject to removal and replacement at the Contractor's expense.
5. An approved set of plans must be available on the job site at all times. The contractor's representative (capable of communicating with the City's representatives) shall be on the job at all times the work is being pursued.
6. The Contractor is responsible to provide emergency telephone numbers to the City of West Linn at time of receiving project Notice to Proceed and have personnel available 24-hours a day to respond to emergencies. If the City is required to respond and make emergency repairs on behalf of the Contractor, the Contractor is responsible to reimburse the City for all costs incurred.
7. It is understood that there will be interfering utilities, service laterals, and other underground pipes, drains or structures encountered on underground projects that are not shown or are shown incorrectly on the plans and/or have not been previously discovered in the field. Contractor agrees this is a normal and usual occurrence in the construction of underground improvements. Furthermore, bidders understand and agree that work in some cases must be done in close proximity to said utilities and underground pipes, drains, and structures which may require a change in operations and may cause sloughing of the trench, additional traffic control, additional pavement and backfill costs, and time. The contractor agrees that a reasonable number of these occurrences are usual and ordinary on underground projects and are reflected in the bid and plan of operation.
8. It is the responsibility of the contractor to obtain any and all other permits and meet any requirements set forth by other agencies or utilities which have jurisdiction at the contractors expense.

1. No road closure shall be allowed without City Engineer's prior approval as delegated by the City Manager.
2. Traffic control shall conform to the ODOT Temporary Traffic Control Handbook and MUTCD. The Contractor shall submit a Traffic Control Plan to the City of West Linn

UTILITY PROVIDERS			
WATER/STORM/SANITARY	CITY OF WEST LINN	PUBLIC WORKS	503-656-6081
POWER/LIGHTS	PGE	LISA GUARNERO	503-742-8299
GAS	NW NATURAL	RICHARD GIRARD	503-226-4211 X 2967
CATV	COMCAST	RANDY SHIELDS	360-301-1962
PHONE	CENTURYLINK	KENNETH SCIULLI	503-242-0304

3. Maintain vehicular, bicycle, pedestrian, bus, and emergency vehicle access to area homes throughout construction.

1. Contractor shall provide erosion control best management practices per City of West Linn standards. Provide catch basin protection and continual sweeping so that no mud, sediment, or rock is left on the streets.
2. The contractor is responsible for all construction surveying and construction staking for the project.
3. Water used for construction must be filled at the designated tanker fill sites located next to 1970 8th Avenue and Wilderness Park. Hydrant meters will not be provided.
4. Contractor shall provide ingress and egress to residential driveways with limited delay.
5. No vehicle shall be permitted to work on this project that has more than one (1) drop axle in which raising the additional axles would cause the vehicle to exceed legal load limits. This includes a rear tag axle.
6. Working Hours: 7:00 AM - 5:00 PM Monday - Friday
9:00 AM - 5:00 PM Saturday - Sunday & Holidays

1. Contractor shall be responsible for all construction surveying and construction staking. Final grades as determined by City Engineer.
2. All existing asphalt/concrete shall be sawcut for removal with no additional compensation.
3. Portland cement base treatment quantities are based on an estimated ratio of 5% dry weight of cement. Final mix to be approved by City Engineer.
4. Landscaping restoration includes retaining walls and grading as determined by City inspector during construction. Proposed retaining walls shown on plans are approximate size and location, exact location and size to be determined in the field.
5. Curb radii for curb bulbouts and bends are shown as corners in this drawing. Assume 5-foot radius at these corners, unless specified. Intersection radii are specified.
6. Retaining walls will be paid based on the square footage of the wall face. Bottom of wall elevations are given as 1-foot below grade.
7. Contractor shall coordinate with City Water Division for any service shutdowns.

Legend for symbols used in the sewerage system plan:

- W — WATER MAIN
- SS — SANITARY SEWER
- SD — STORM DRAIN
- G — GAS LINE
- OH — OVERHEAD WIRES
- 0+00 — ALIGNMENT STATION
- 0+02 — ALIGNMENT STATION
- ⊗ — WATER VALVE
- ⊙ — MANHOLE
- ⊕ — CATCH BASIN
- — — — — PROPERTY LINE
- ▬ — RETAINING WALL



West
Linn

EXPIRES: 12/31/2019

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

General Notes

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

DATE	DESCRIPTION

GN



811
Know what's below.
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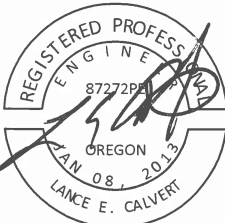
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EXPIRES: 12/31/2019
3-7-18

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Quantity Summary

ITEM	ODOT SPECIFICATION #	DESCRIPTION	UNIT	SUNCREST DRIVE	VALLEY VIEW DRIVE	TOTAL
1	00210.90	MOBILIZATION	LS	-	-	1
2	00225.90(a)(2)	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	LS	-	-	1
3	00280.90(a)	EROSION CONTROL	LS	-	-	1
4	SP-1	CONSTRUCTION SURVEY	LS	-	-	1
5	00610.90	RECONDITION EXISTING ROADWAY	LS	-	-	1
6	00310.91(a)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	-	-	1
7	SP-2	LANDSCAPE RESTORATION	LS	-	-	1
8	00330.93(d)	GENERAL EXCAVATION	CY	29	193	222
9	00310.92(b)	REMOVAL OF CURBS	LF	126	39	165
10A	00310.92(c)	REMOVAL OF WALKS AND DRIVEWAYS (CONCRETE)	SY	158	16	174
10B	00310.92(c)	REMOVAL OF WALKS AND DRIVEWAYS (ASPHALT)	SY	280	529	809
11	00759.90(a)	CONCRETE CURBS, STRAIGHT CURB (WL-501)	LF	0	1725	1725
12	00759.90(a)	CONCRETE CURBS, CURB & GUTTER (WL-501)	LF	605	0	605
13	00490.90(a)	MINOR ADJUSTMENT OF MANHOLES	EA	2	4	6
14	00490.90(d)	ADJUSTING BOXES	EA	7	2	9
15	00745.90(a)	LEVEL 2, 3/4 INCH ACP	TON	15	267	282
16	00745.90(a)	LEVEL 2, 1/2 INCH ACP	TON	273	267	540
17	SP-3	ASPHALT PULVERIZING (12 INCHES DEEP)	SY	0	1743	1743
18	00759.90(c)	CONCRETE DRIVEWAY (6 INCHES PCC ON BASE)	SF	1308	1504	2812
19	00759.90(e)	CONCRETE WALKS (WL-508)	SF	2810	4116	6926
20	01070.90 (a)	SINGLE MAILBOX SUPPORTS	EA	6	8	14
21	00748.90	AGGREGATE BASE, 12 INCHES THICK (ROADWAY)	SY	86	579	665
22	00749.92(a)	ASPHALT DRIVEWAY (4 INCH AC ON BASE)	SF	1004	1250	2254
23	00620.90	COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SY	2288	0	2288
24	00344.90(a)	TREATED SUBGRADE, 12 INCHES DEEP	SY	0	2322	2322
25	00344.90(c)	PORTLAND CEMENT	TON	0	68	68
26	00470.90(b)	CONCRETE STORM SEWER MANHOLES	EA	1	0	1
27A	00470.90(d)	CONCRETE INLETS, TYPE - CURB INLET (WL-600)	EA	4	3	7
27B	00470.90(d)	CONCRETE INLETS, TYPE - BEEHIVE	EA	1	1	2
28	00730.90	EMULSIFIED ASPHALT FOR TACK COAT	TON	1	0	1
29	00445.91(b)	12-INCH REINFORCED CONCRETE PIPE	LF	267	218	485
29B	00445.91(b)	4-INCH PVC PIPE	LF	23	0	23
30	SP-4	BLOCK RETAINING WALL	SF	0	350	350
31	SP-5	RELOCATE WATER METER AND BOX	EA	5	0	5

* QUANTITIES VARIED IN THE FIELD

PROJECT DATA

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DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION

DATE	DESCRIPTION

QUANTITY SHEET

QS



ITEM NOTES

- 9 REMOVE CURBS.
10A REMOVE WALKS AND DRIVEWAYS (CONCRETE).
12 INSTALL CONCRETE CURBS, CURB & GUTTER (WL-501).
14 ADJUST WATER BOXES. THERE ARE THREE ON THIS SHEET.
16 PAVE LEVEL 2, 1/2 INCH ACP.
18 INSTALL CONCRETE DRIVEWAYS, 6-INCHES THICK.
19 INSTALL CONCRETE WALKS. WALKS INCLUDE CURB RAMPS. SEE SHEET S3.7 FOR CURB RAMP DETAIL.
23 COLD PLANE PAVEMENT REMOVAL, 2-INCHES DEEP. SEE SHEET S2.2 FOR CROSS-SECTION.
28 APPLY EMULSIFIED ASPHALT FOR TACK COAT ON EXISTING PAVEMENT PRIOR TO PAVING TOP LIFT.

OTHER NOTES

- 1 THE STATIONING FOR THE PROPOSED CENTERLINE OF SUNCREST DRIVE IS SET TO BEGIN AT THE INTERSECTION WITH THE CENTERLINE OF RIDGEBROOK DRIVE (NORTH ENTRANCE). THE PROPOSED CENTERLINE OF SUNCREST DRIVE IS 3' WEST OF THE RIGHT-OF-WAY CENTERLINE. MATCH EXISTING PAVEMENT AT INTERSECTION.
2 SAWCUT AND MATCH EXISTING SIDEWALK (TYP.)
3 SAWCUT AND MATCH EXISTING PAVEMENT (TYP.)
4 CONTROL POINT: PIN WITH WASHER AT SOUTHWEST CORNER OF POWER VAULT
STA 0+35.83
OFFSET 32.91 EAST OF CENTERLINE
EXISTING ELEVATION 677.76
5 CONTROL POINT: HYDRANT
STA 0+15.92
OFFSET 48.55 EAST OF CENTERLINE
EXISTING TOP OF HYDRANT ELEVATION 679.00

Suncrest Drive - Sequencing of Construction

- Concrete finishing (curbs, sidewalks, and driveways)
- Excavation and disposal of clay/dirt where road widening will occur, adding base material where needed to meet final grades
- Cold plane milling of existing asphalt
- Placement of first lift of asphalt pavement on widened portion of road
- Placement of top lift of asphalt pavement over entire road

CONSTRUCTION DOCUMENTS



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Drive
Sta. 0+00 to 1+51

PROJECT DATA

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DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION

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5/9/18	BULBOUT

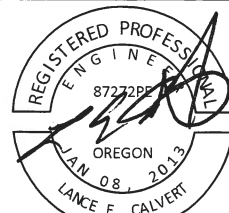
PLAN SHEET

S1.1

4 OF 40



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EXPIRES: 12/31/2019
2-7-18

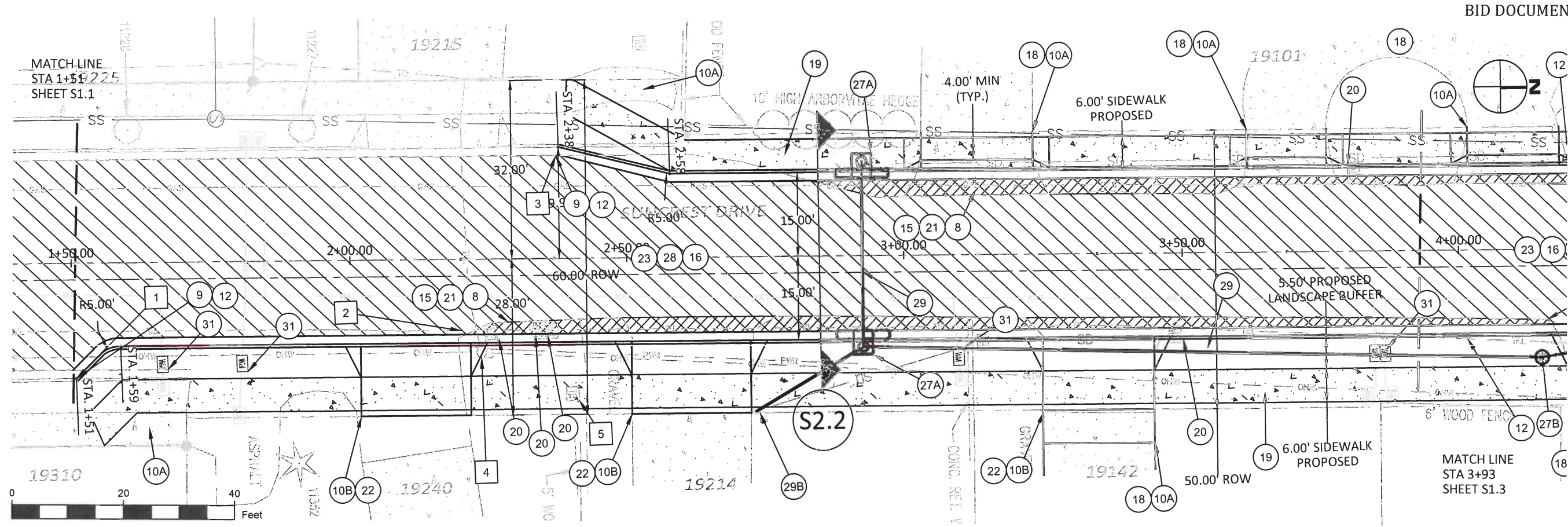
CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Drive
Sta. 1+51 to 3+93

PROJECT DATA	
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REVISION	
DATE	DESCRIPTION



ITEM NOTES

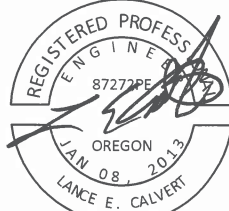
- 8 EXCAVATE TO WIDEN ROADWAY.
- 9 REMOVE CURBS.
- 10A REMOVE WALKS AND DRIVEWAYS (CONCRETE).
- 10B REMOVE WALKS AND DRIVEWAYS (ASPHALT).
- 12 INSTALL CONCRETE CURBS, CURB & GUTTER (WL-501).
- 15 PAVE LEVEL 2, 3/4 INCH ACP TO WIDEN ROADWAY.
- 16 PAVE LEVEL 2, 1/2 INCH ACP OVER ENTIRE ROADWAY.
- 18 INSTALL CONCRETE DRIVEWAY, 6 INCHES THICK. SEE SHEETS S3.1 THROUGH S3.6 FOR DRIVEWAY DETAILS.
- 19 INSTALL CONCRETE WALKS.
- 20 RELOCATE MAILBOXES TO CURB.
- 21 WIDEN ROADWAY AND PLACE AGGREGATE BASE, 12 INCHES THICK.
- 22 INSTALL ASPHALT DRIVEWAY, 4 INCHES THICK. SEE SHEETS S3.1 THROUGH S3.6 FOR DRIVEWAY DETAILS.
- 23 COLD PLANE PAVEMENT REMOVAL, 2-INCHES DEEP. SEE SHEET S2.2 FOR CROSS-SECTION.
- 27A INSTALL CURB INLETS (WL-600). SEE SHEET S4.1 FOR STORM DETAILS.
- 28 APPLY EMULSIFIED ASPHALT FOR TACK COAT ON EXISTING PAVEMENT PRIOR TO PAVING TOP LIFT.
- 29 INSTALL 12-INCH REINFORCED CONCRETE PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 29B INSTALL 4-INCH PVC PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 31 RELOCATE EXISTING WATER METER PER DIRECTION OF FIELD INSPECTOR.

OTHER NOTES

- 1 REMOVE CURB TO SECOND CONSTRUCTION JOINT FROM END STA 1+50.75
OFFSET 20.69 EAST OF CENTERLINE
EXISTING TOP OF CURB ELEVATION 675.93
CONTROL POINT: NW SURVEY WITH WASHER
- 2 STA 2+20.12
OFFSET 12.80 EAST OF CENTERLINE
EXISTING ELEVATION 673.89
- 3 REMOVE CURB TO SECOND CONSTRUCTION JOINT FROM END STA 2+37.85
OFFSET 20.00 WEST OF CENTERLINE
EXISTING TOP OF CURB ELEVATION 673.91
- 4 POWER POLE WILL REMAIN IN PLACE.
- 5 CABLE BOX TO BE RELOCATED BY OTHERS.



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Drive
Sta. 3+93 to End

PROJECT DATA

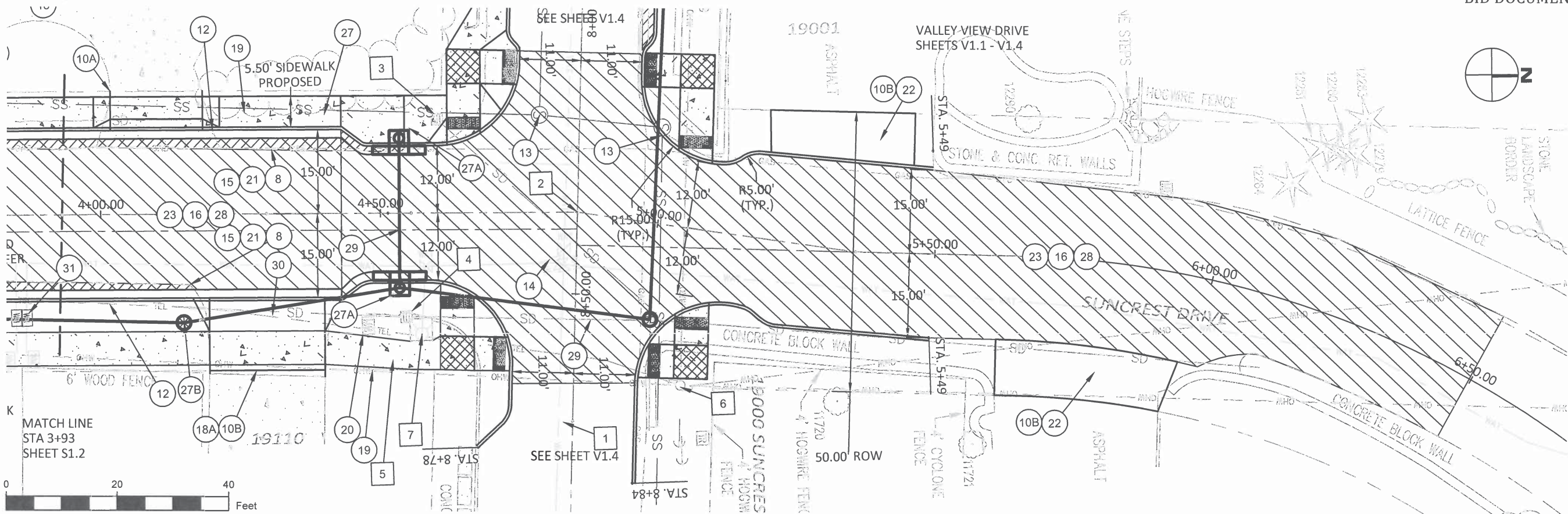
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REVISION

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PLAN SHEET

S1.3



ITEM NOTES

- 8 EXCAVATE TO WIDEN ROADWAY.
- 10A REMOVE WALKS AND DRIVEWAYS (CONCRETE).
- 10B REMOVE WALKS AND DRIVEWAYS (ASPHALT).
- 12 INSTALL CONCRETE CURBS, CURB & GUTTER (WL-501).
- 13 MINOR ADJUST MANHOLES.
- 14 ADJUST WATER BOXES.
- 15 PAVE LEVEL 2, 3/4 INCH ACP TO WIDEN ROADWAY.
- 16 PAVE LEVEL 2, 1/2 INCH ACP OVER ENTIRE ROADWAY.
- 18 INSTALL CONCRETE DRIVEWAY, 6 INCHES THICK. SEE SHEETS S3.1 THROUGH S3.6 FOR DRIVEWAY DETAILS.
- 19 INSTALL CONCRETE WALKS. SEE SHEET S3.8 FOR CURB RAMP DETAIL.
- 20 RELOCATE MAILBOXES TO CURB.
- 21 WIDEN ROADWAY AND PLACE AGGREGATE BASE, 12 INCHES THICK.
- 22 INSTALL ASPHALT DRIVEWAY, 4 INCHES THICK. SEE SHEETS S3.1 THROUGH S3.6 FOR DRIVEWAY DETAILS.
- 23 COLD PLANE PAVEMENT REMOVAL, 2-INCHES DEEP. SEE SHEET S2.2 FOR CROSS-SECTION.
- 27A INSTALL CONCRETE INLETS (CURB INLET, WL-600). SEE SHEET S4.1 FOR STORM DETAILS.
- 27B INSTALL CONCRETE INLETS (BEEHIVE). SEE SHEET S4.1 FOR STORM DETAILS.
- 28 APPLY EMULSIFIED ASPHALT FOR TACK COAT ON EXISTING PAVEMENT PRIOR TO PAVING TOP LIFT.
- 29 INSTALL 12-INCH REINFORCED CONCRETE PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.

OTHER NOTES

- 1 CONTROL POINT: NW SURVEY WITH WASHER
STA 8+72.70 (VALLEY VIEW DRIVE ALIGNMENT)
OFFSET 1.95 SOUTH OF CENTERLINE
EXISTING ELEVATION 663.13
- 2 THE INTERSECTION OF VALLEY VIEW DRIVE AND SUNCREST DRIVE OCCURS ALONG THEIR ALIGNMENTS
AT STA 8+35.39 AND STA 4+85.43, RESPECTIVELY.
- 3 REMOVE EXISTING CATCH BASIN AND 8" STORM DRAIN RUNNING NORTHEAST.
- 4 REMOVE EXISTING CATCH BASIN AND 12" STORM DRAIN RUNNING NORTH AND SOUTH.
- 5 MEANDER SIDEWALK BEHIND EXISTING HYDRANT PAD. HYDRANT WILL REMAIN IN PLACE.
- 6 POWER POLE WILL REMAIN IN PLACE..
- 7 CONTROL POINT: TOP OF HYDRANT
STA 4+57.37
OFFSET 21.62 EAST OF CENTERLINE (SUNCREST DRIVE ALIGNMENT)
EXISTING TOP OF HYDRANT ELEVATION 667.36



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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Drive
Profile View

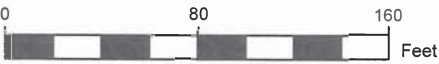
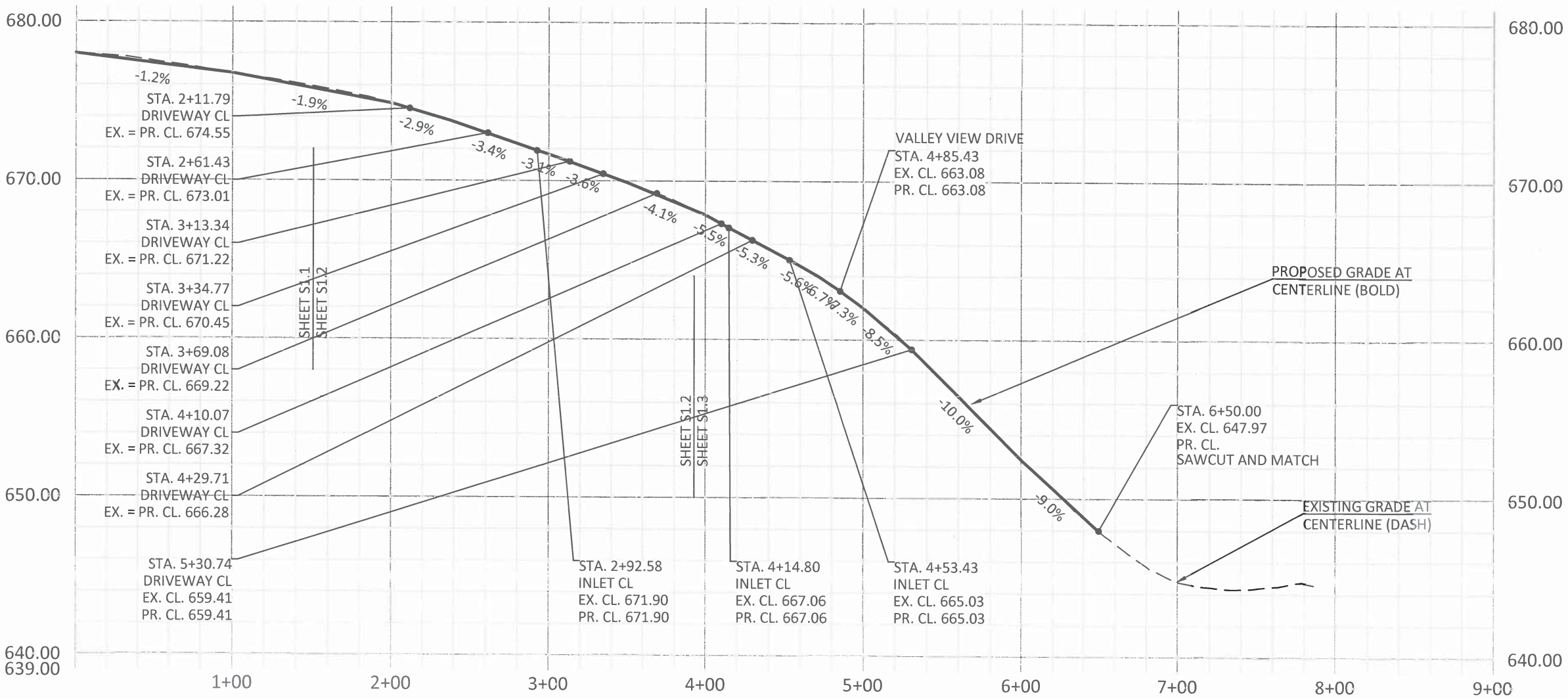
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NOTES

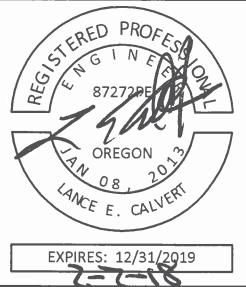
- 1 VALLEY VIEW DRIVE AND SUNCREST DRIVE INTERSECT ALONG THEIR ALIGNMENTS AT STA 8+35.39 AND STA 4+85.43, RESPECTIVELY.

STA. 0+00.00 EX. CL. 677.98 PR. CL. 677.98 SAWCUT AND MATCH	STA. 1+00.00 EX. CL. 676.76 PR. CL. 676.76	STA. 2+00.00 EX. CL. 674.89 PR. CL. 674.89	STA. 3+00.00 EX. CL. 671.67 PR. CL. 671.67	STA. 4+00.00 EX. CL. 667.87 PR. CL. 667.87	STA. 5+00.00 EX. CL. 662.00 PR. CL. 662.02
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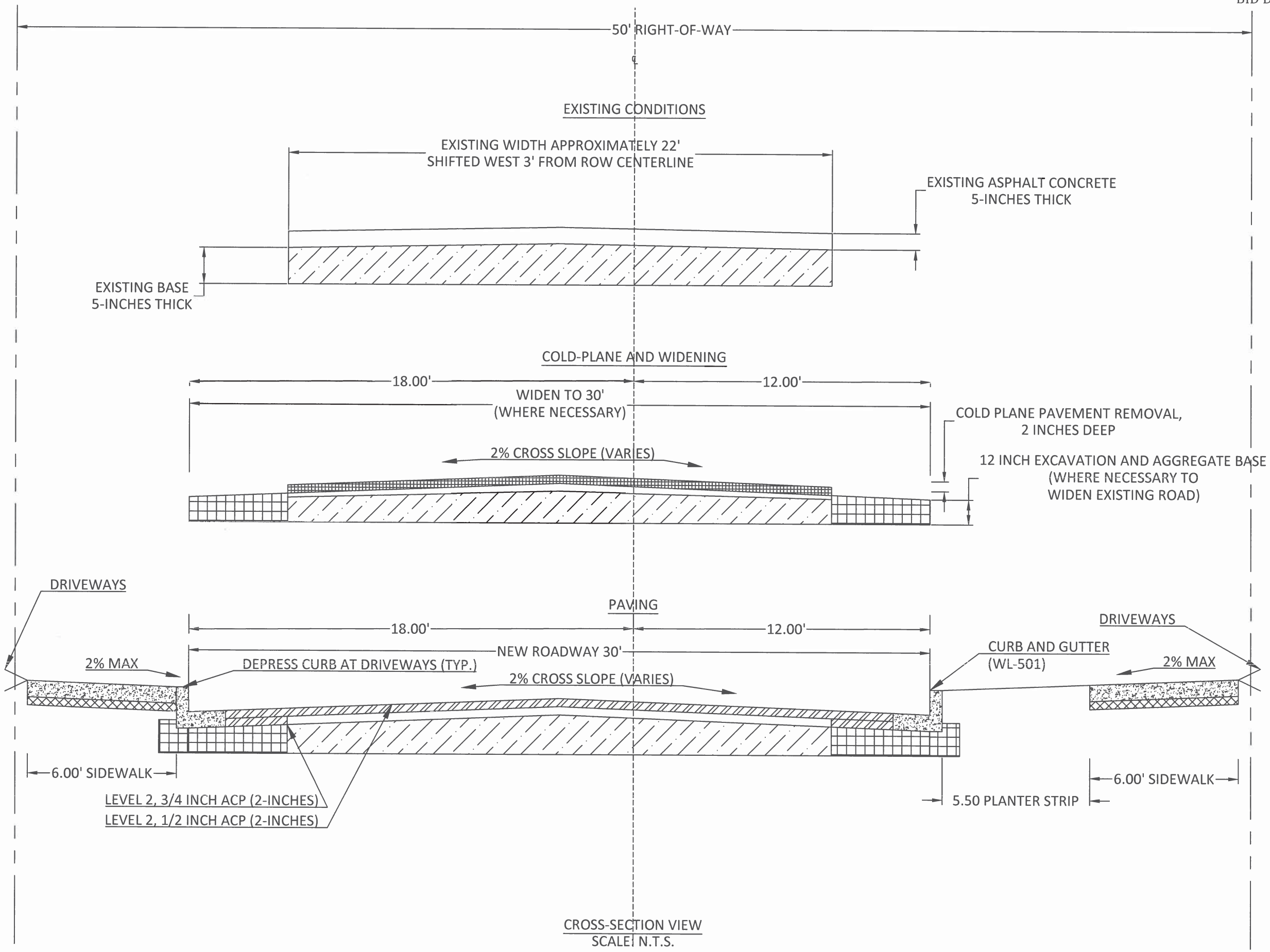
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VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Drive
Cross-Section View

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22500 SALAMO ROAD
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WESTLINNOREGON.GOV
PHONE: (503) 722-5500
FAX: (503) 656-4106



EXPIRES: 12/31/2019

CONTRACTOR TBD

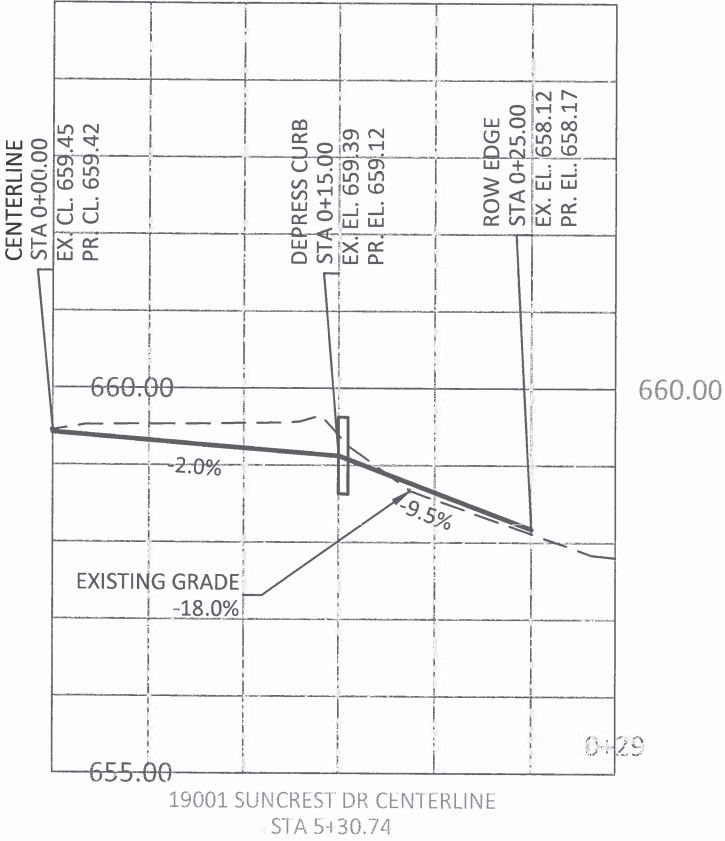
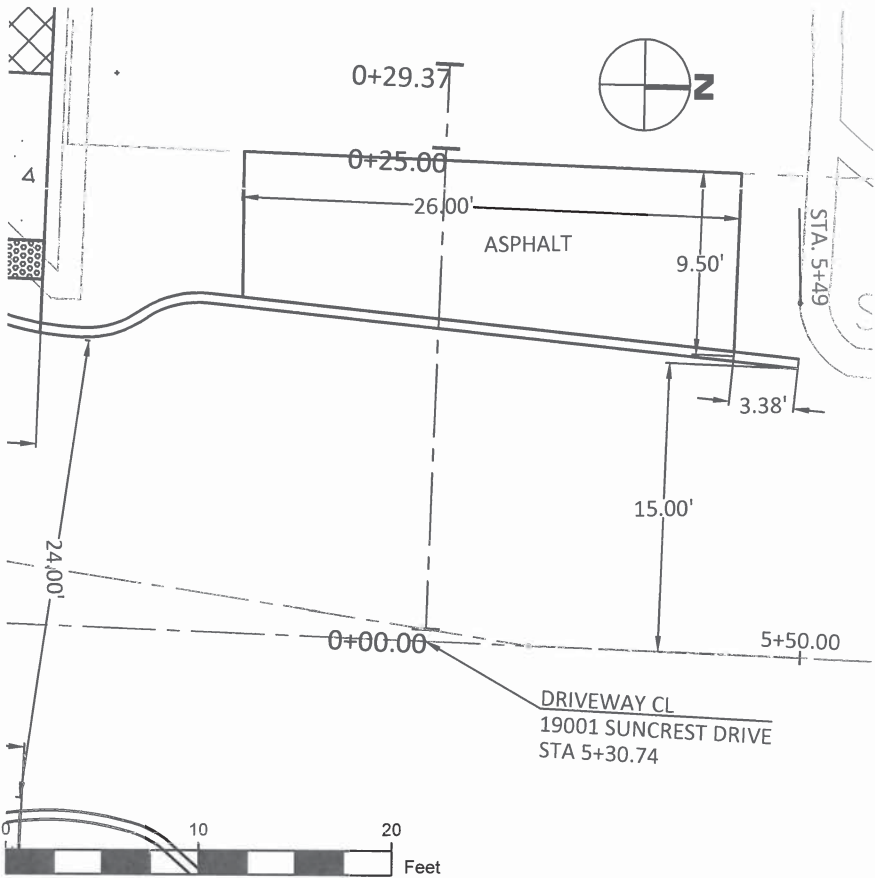
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
19001 Suncrest Dr

PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18
REVISION	
DATE	DESCRIPTION

DETAIL SHEET

S3.1





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WESTLINNOREGON.GOV
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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Details
19101 Suncrest Dr

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

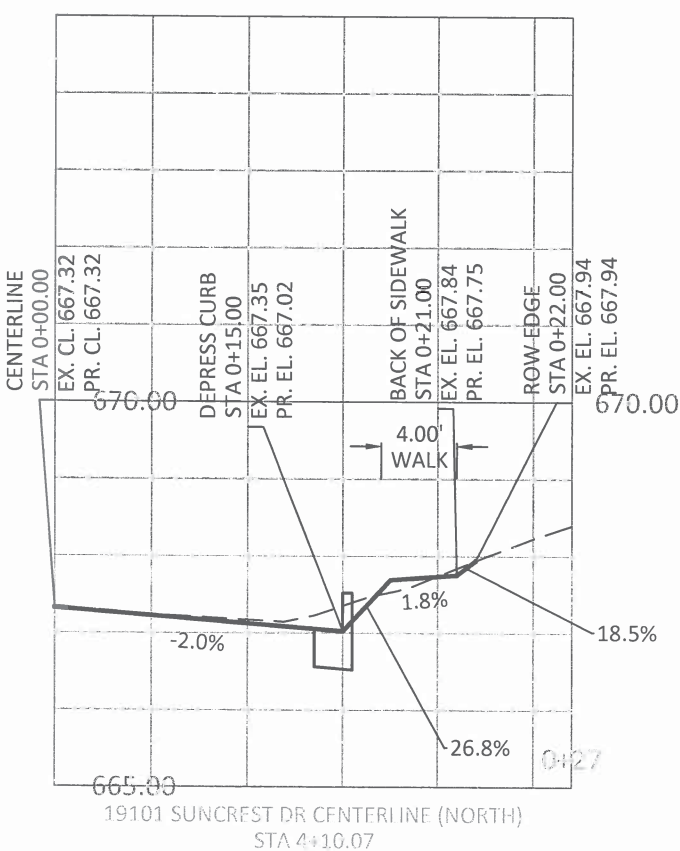
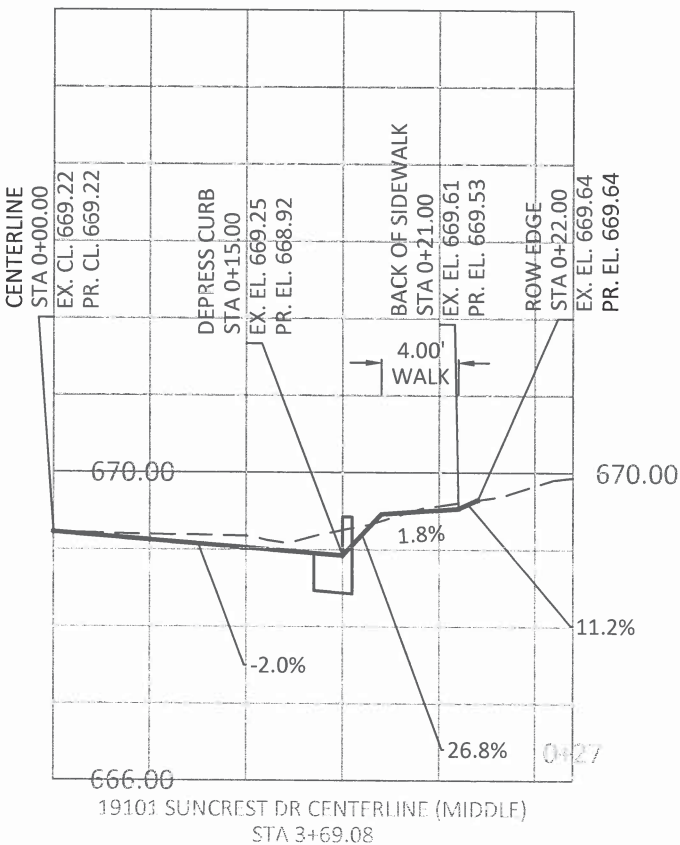
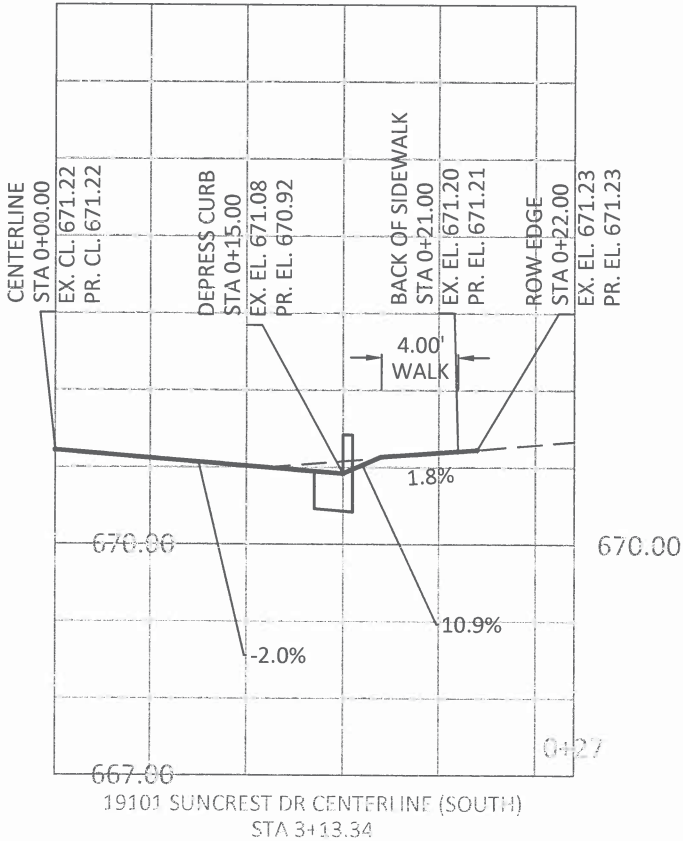
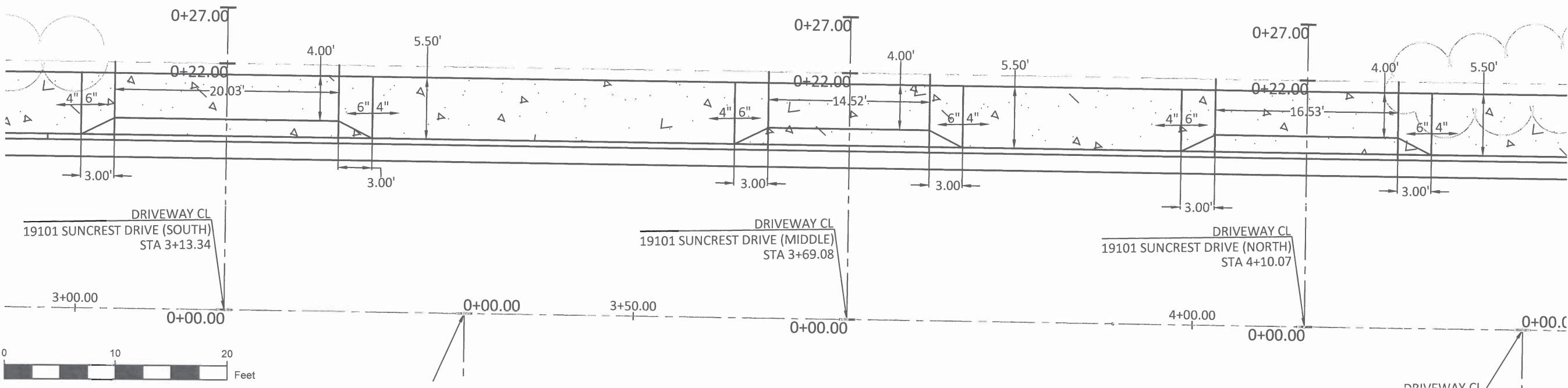
REVISION

DATE	DESCRIPTION

DETAIL SHEET

S3.2

19101

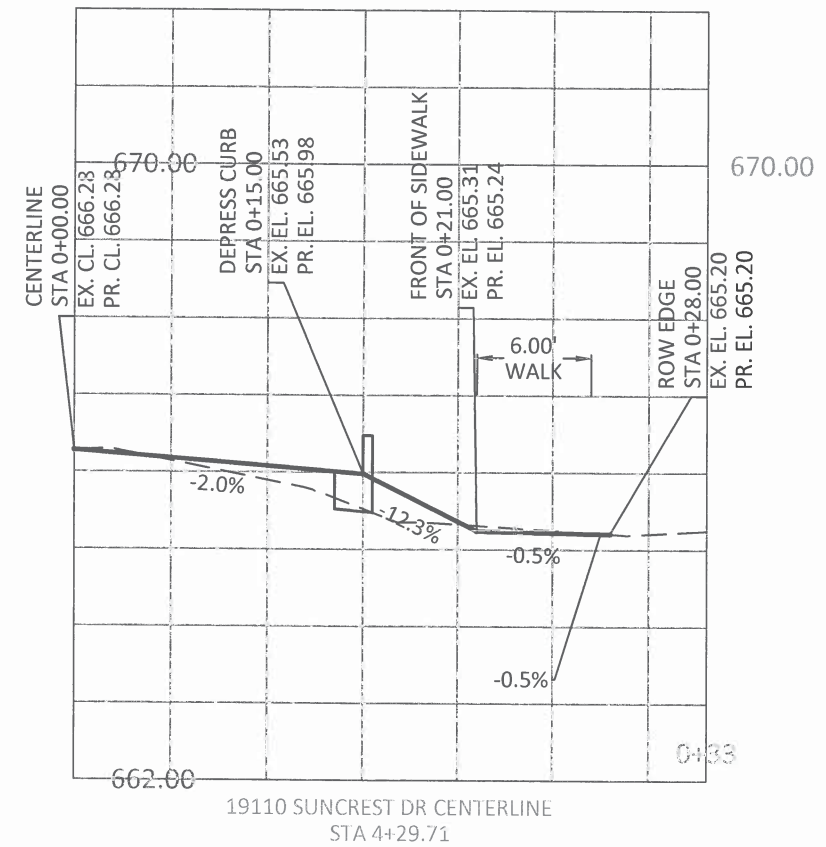


REGISTERED PROFESSIONAL ENGINEER
8727295
OREGON
JAN 08, 2013
LANCE E. CALVERT
EXPIRES: 12/31/2019

VALLEY VIEW DR AND SUNCREST DR STREET IMPROVEMENTS

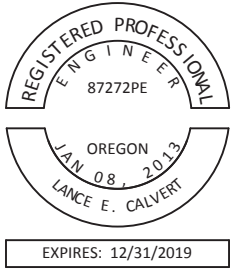
Driveway Detail
19110 Suncrest Dr

PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18
REVISION	
DATE	DESCRIPTION
DETAIL SHEET	
S3.3	
11 OF 40	





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CONTRACTOR TBD

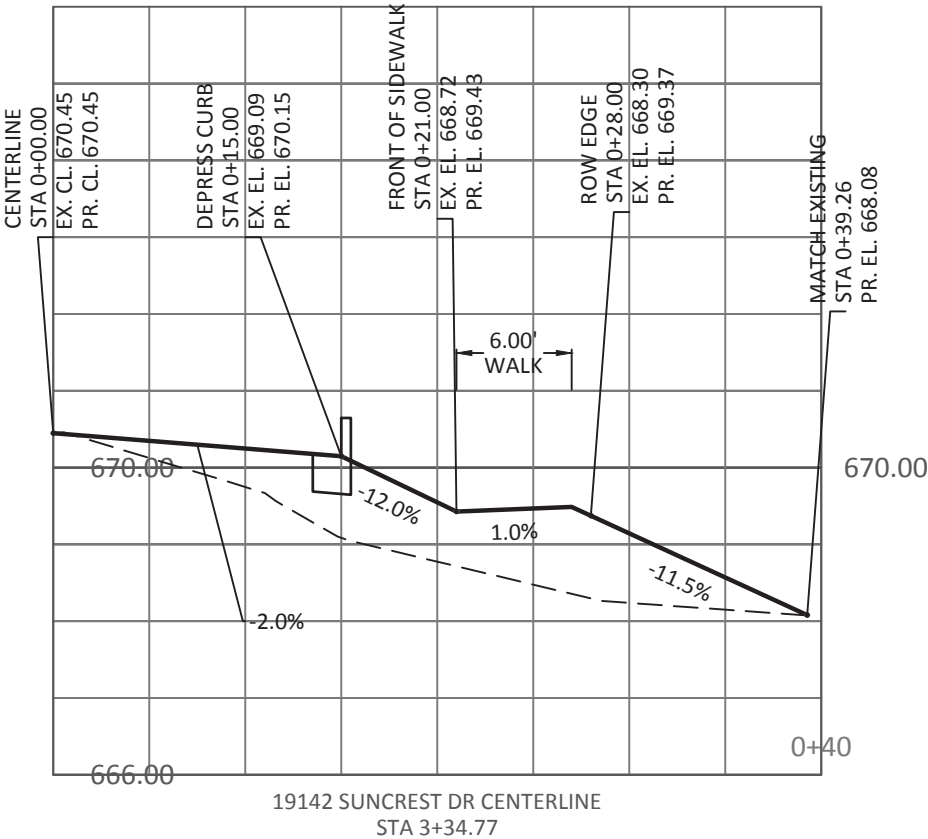
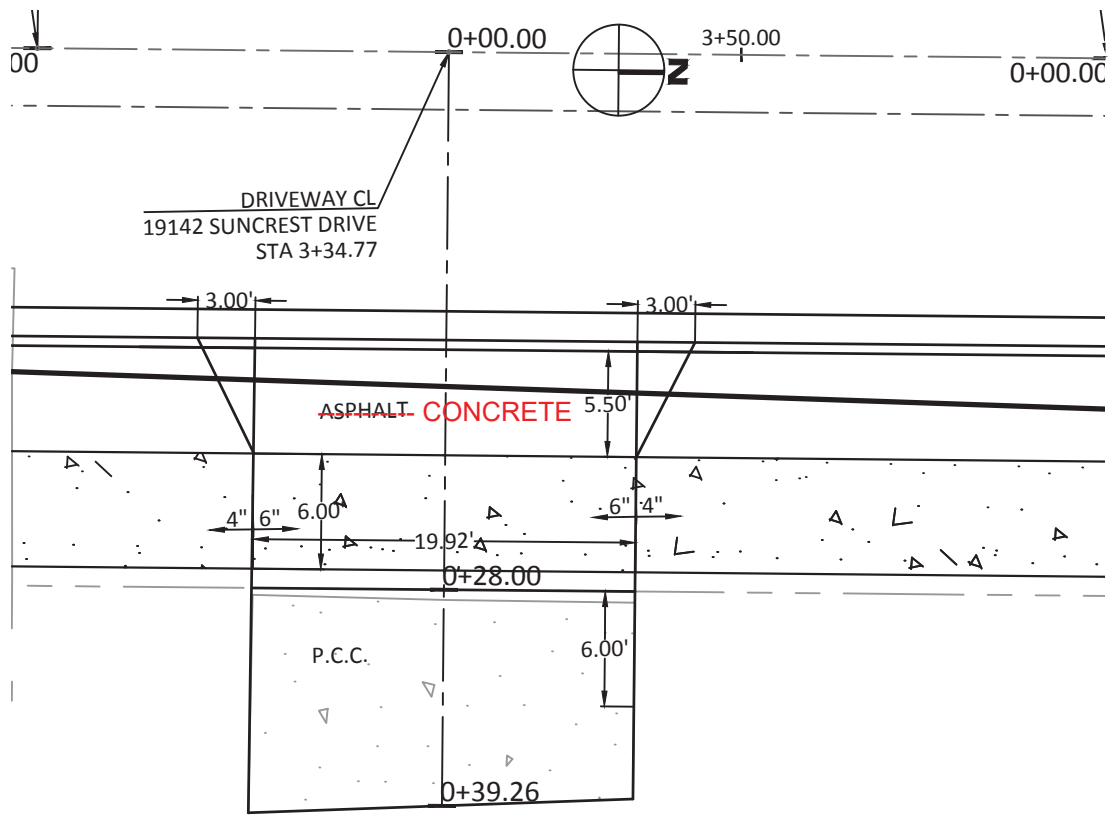
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
19142 Suncrest Dr

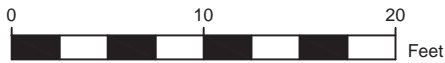
PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION
5/14/18	SLOPE

DETAIL SHEET	
S3.4	
12 OF 40	



CONDUCT DRIVEWAY REPLACEMENT ACCORDING TO RIGHT-OF-ENTRY
AGREEMENT SIGNED ON 4/20/2018 (COMPLETED UNDER A SEPARATE CONTRACT)





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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
19214 Suncrest Dr

PROJECT DATA

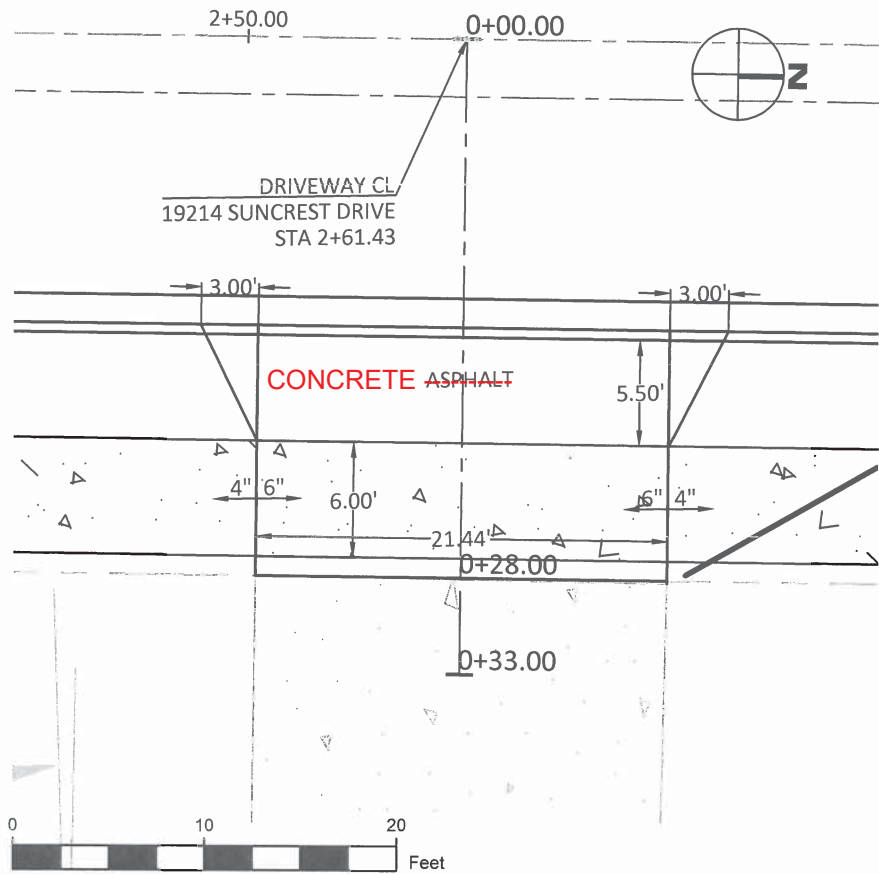
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION

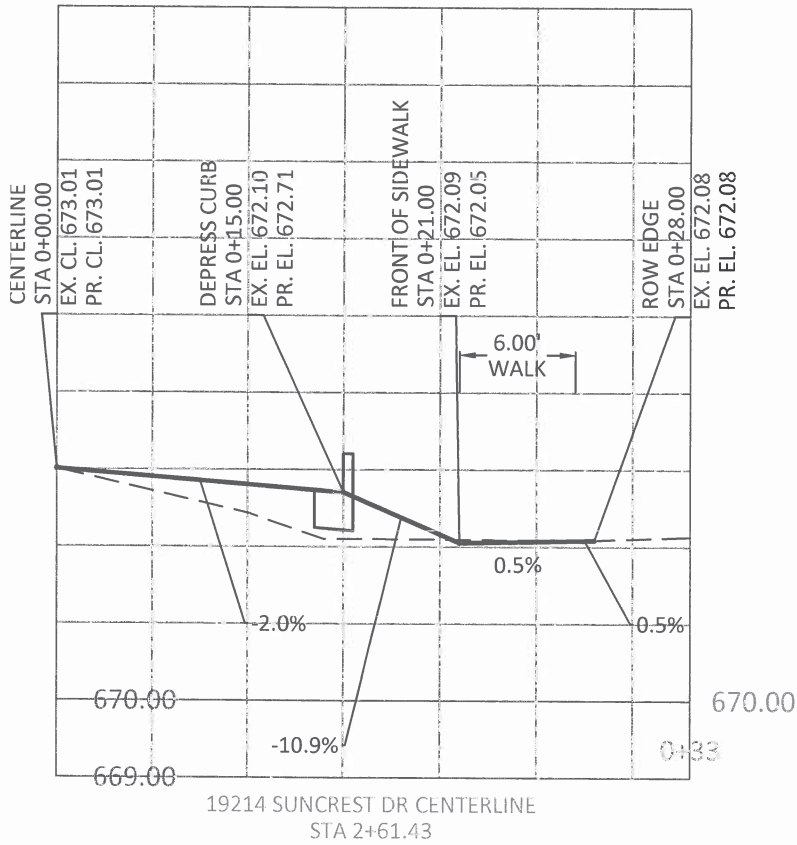
DATE	DESCRIPTION

DETAIL SHEET

S3.5



SEE S4.1 FOR STORM DETAIL AND ELEVATIONS





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EXPIRES: 12/31/2019

CONTRACTOR TBD

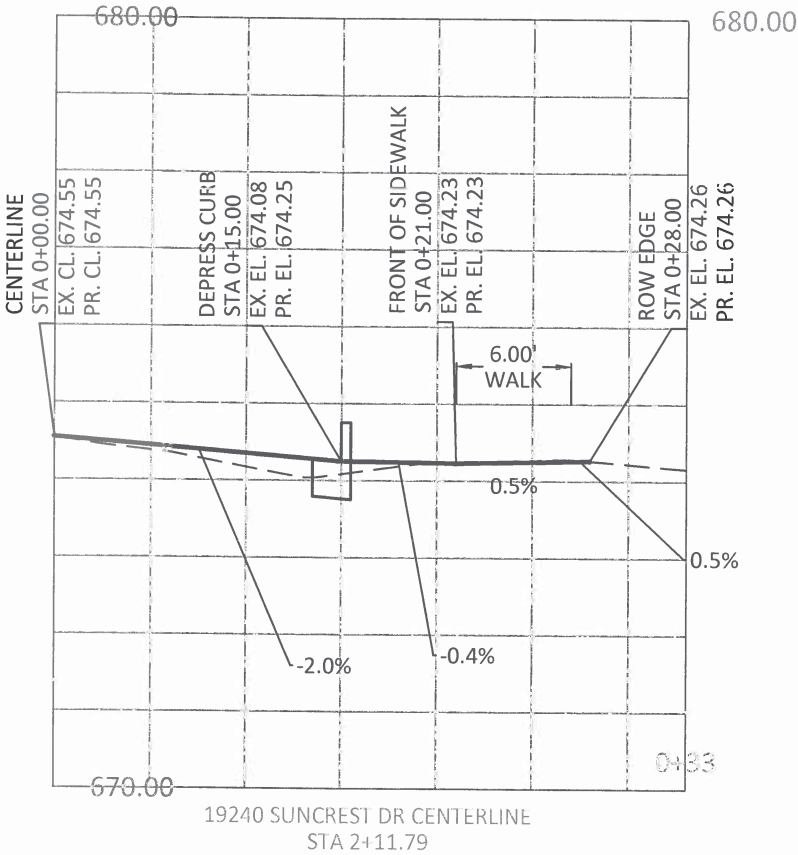
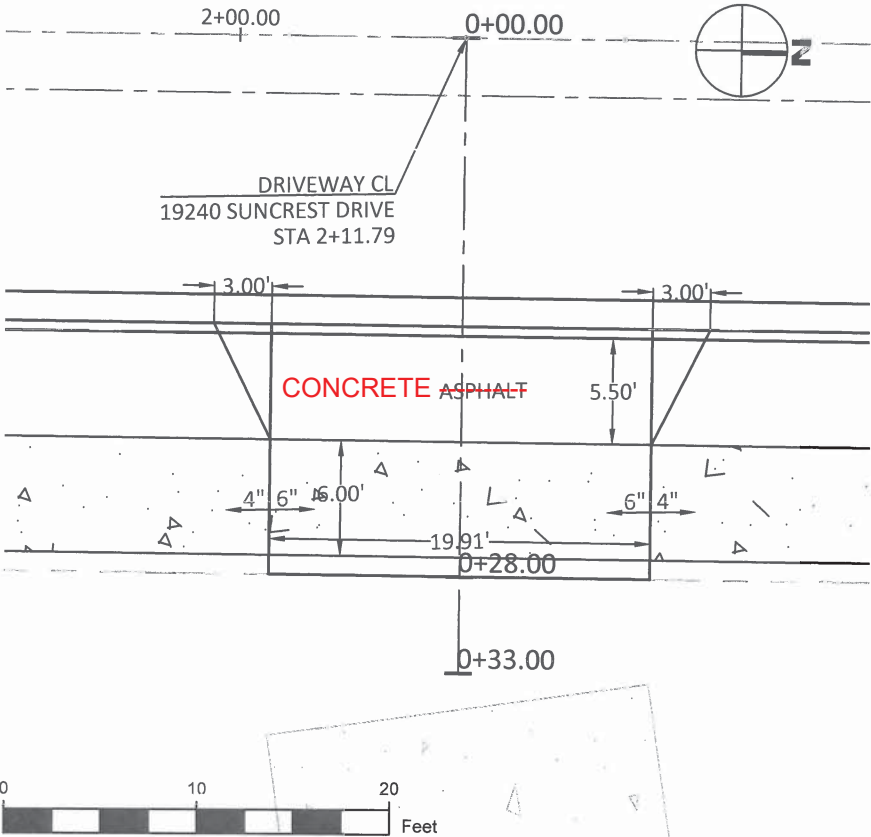
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
19240 Suncrest Dr

PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION

DETAIL SHEET
S3.6
14 OF 40



REGISTERED PROFESSIONAL
ENGINEER
87272PE
OREGON
JAN 08, 2013
LANCE E. CALVERT

CONTRACTOR TBD

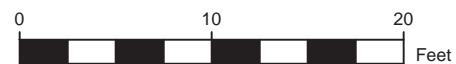
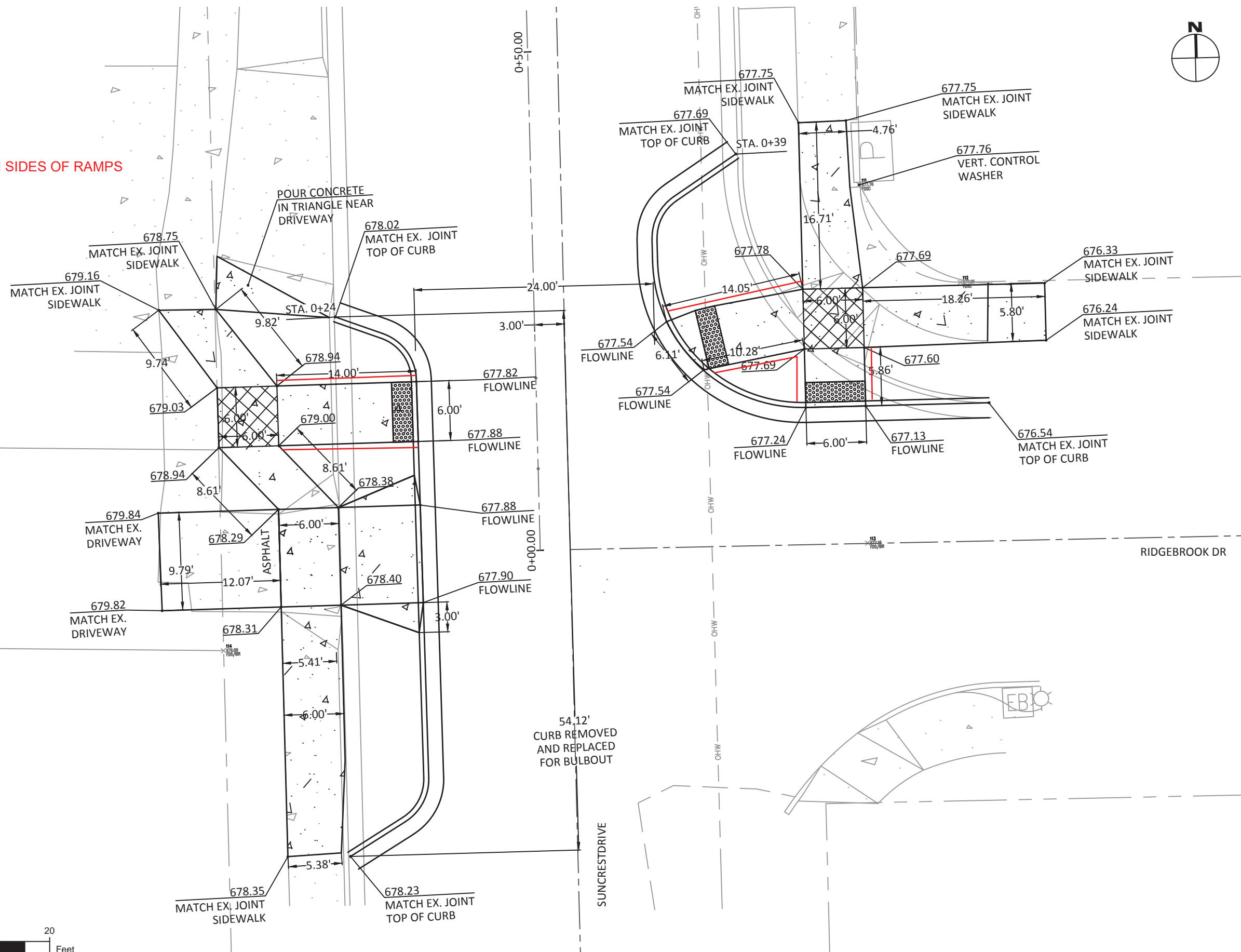
Suncrest Dr (at Ridgebrook Dr) Curb Ramp Details

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

DATE	DESCRIPTION
5/9/18	DIM./EL.

S3.7

* CURBS ADDED ON SIDES OF RAMPS





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Dr (at Valley View Dr)
Curb Ramp Details

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

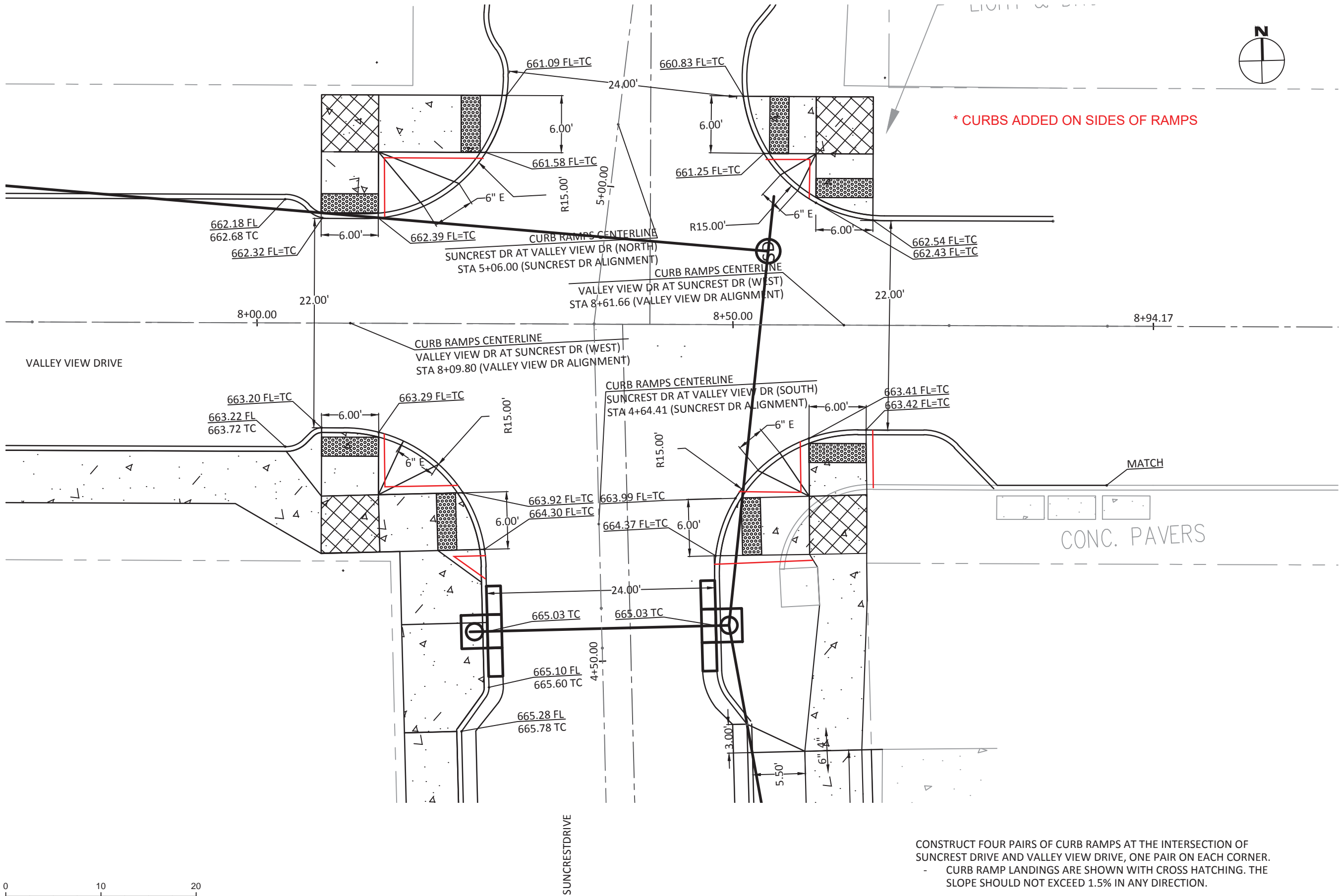
REVISION

DATE	DESCRIPTION
5/15/18	FLOWLINE

DETAIL SHEET

S3.8

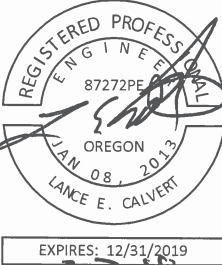
16 OF 40



CONSTRUCT FOUR PAIRS OF CURB RAMPS AT THE INTERSECTION OF
SUNCREST DRIVE AND VALLEY VIEW DRIVE, ONE PAIR ON EACH CORNER.
- CURB RAMP LANDINGS ARE SHOWN WITH CROSS HATCHING. THE
SLOPE SHOULD NOT EXCEED 1.5% IN ANY DIRECTION.



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Suncrest Dr
Storm Drain Improvements

PROJECT DATA

PROJECT NO:	PW-17-02
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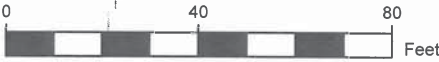
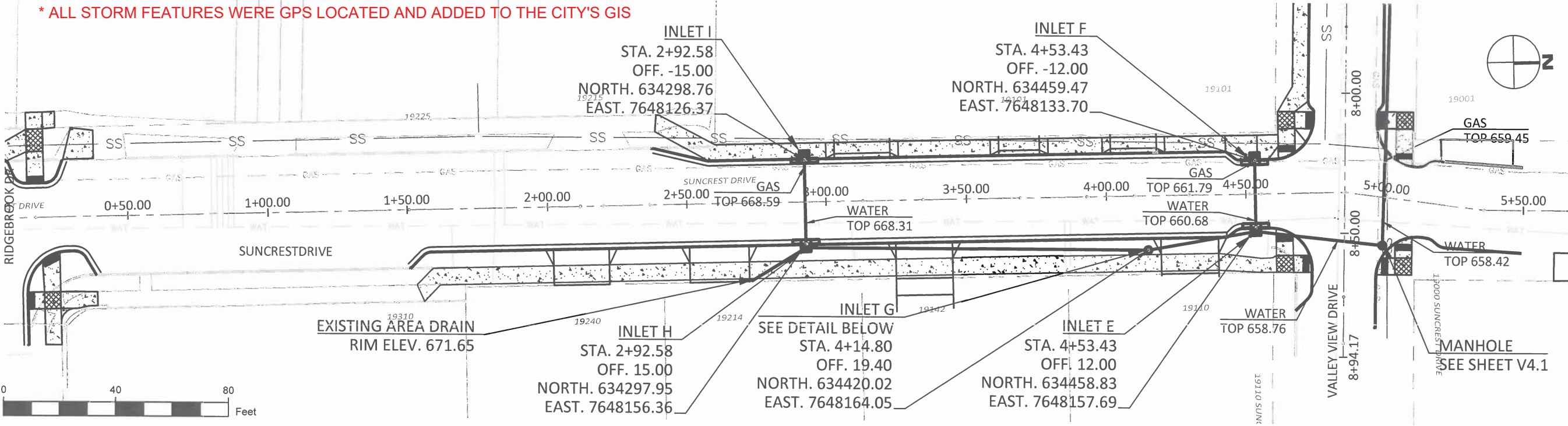
REVISION

DATE	DESCRIPTION

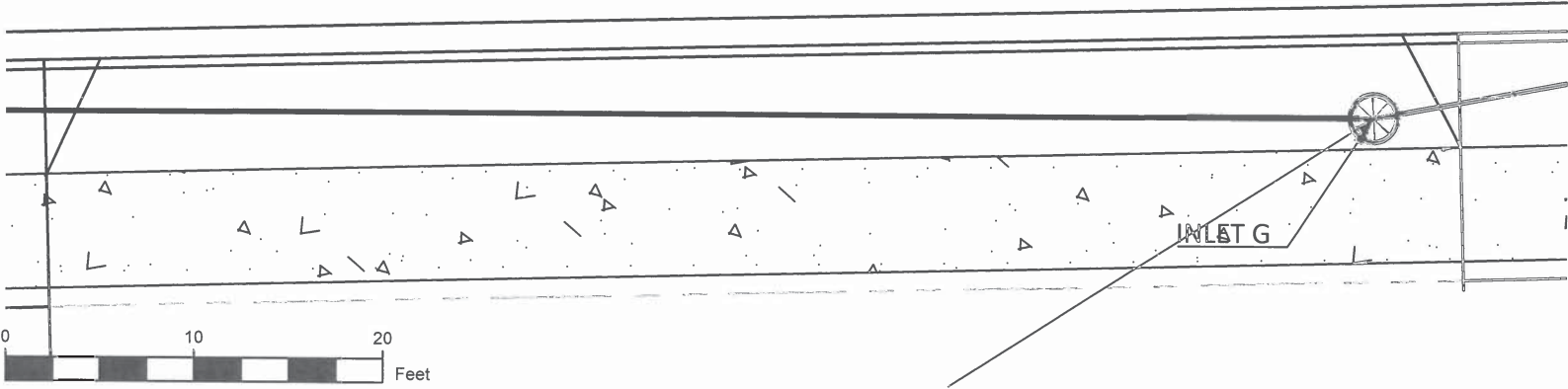
DETAIL SHEET

S4.1

* ALL STORM FEATURES WERE GPS LOCATED AND ADDED TO THE CITY'S GIS



- INLET I - CURB INLET (WL-600)
STA 2+92.58
TOP OF CURB ELEV. ~~672.10~~ 672.15
INVERT ELEV. ~~669.80~~ (E) 669.84
- INLET H - CURB INLET (WL-600)
STA 2+92.58
TOP OF CURB ELEV. ~~672.10~~ 672.00
INVERT ELEV. ~~668.81~~ (W) 668.79
INVERT ELEV. ~~668.81~~ (SE) CONNECT 4" PVC TO EXISTING AREA DRAIN 668.95
INVERT ELEV. ~~668.36~~ (N) 666.35
- INLET G - BEEHIVE INLET
STA 4+14.80
TOP ELEV. ~~664.90~~ 665.90
RIM ELEV. 665.18
INVERT ELEV. ~~661.10~~ (S) 662.55
INVERT ELEV. ~~660.90~~ (N) 662.50
- INLET F - CURB INLET (WL-600)
STA 4+53.43
TOP OF CURB ELEV. ~~665.29~~ 665.19
INVERT ELEV. ~~662.29~~ (E) 662.79
- INLET E - CURB INLET (WL-600)
STA 4+53.43
TOP OF CURB ELEV. ~~665.29~~ 665.03
INVERT ELEV. ~~661.18~~ (W) 661.31
INVERT ELEV. ~~660.12~~ (S) 660.93
INVERT ELEV. ~~659.92~~ (N) 660.72



STORM PLANTER DETAIL

1-----CUT CHANNELS INTO CURB TO ALLOW WATER FLOW INTO PLANTER STRIP

STORM PIPE QUANTITIES

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LINEAR FEET	MATERIAL	SLOPE
INLET I	INLET H	33	12" RCP	3.00%
AREA DRAIN	INLET H	23	4" PVC	-
INLET H	INLET G	122	12" RCP	5.95%
INLET G	INLET E	39	12" RCP	2.00%
INLET F	INLET E	27	12" RCP	4.11%
INLET E	MANHOLE A	46	12" RCP	1.78%



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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Valley View Drive
Sta. 0+00 to 2+78

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
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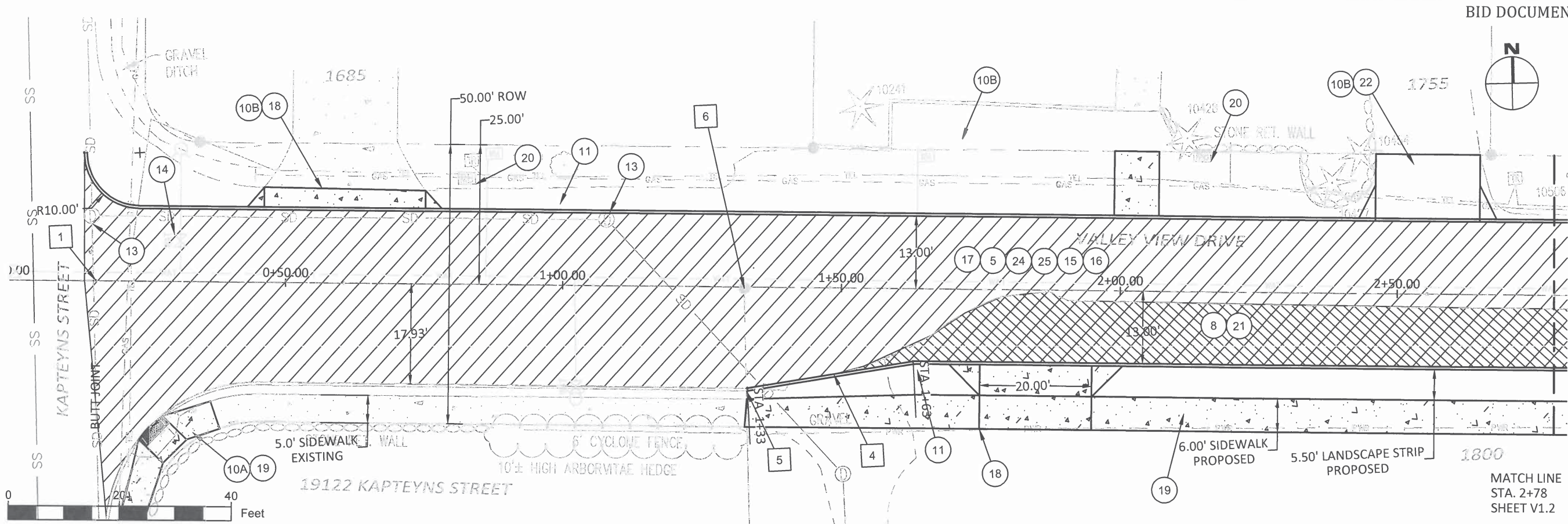
REVISION

DATE	DESCRIPTION

PLAN SHEET

V1.1

18 OF 40



ITEM NOTES

- RECONDITION EXISTING ROADWAY.
- EXCAVATE TO WIDEN ROADWAY.
- REMOVE WALKS AND DRIVEWAYS (CONCRETE).
- REMOVE WALKS AND DRIVEWAYS (ASPHALT).
- INSTALL CONCRETE CURBS, STRAIGHT CURB (WL-501).
- MINOR ADJUST MANHOLES.
- ADJUST WATER BOXES.
- PAVE LEVEL 2, $\frac{3}{4}$ INCH ACP OVER ENTIRE ROADWAY.
- PAVE LEVEL 2, $\frac{1}{2}$ INCH ACP OVER ENTIRE ROADWAY.
- PULVERIZE EXISTING ASPHALT AND BASE.
- INSTALL CONCRETE DRIVEWAY, 6 INCHES THICK. SEE SHEET V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- INSTALL CONCRETE WALKS. SEE SHEET V3.10 FOR CURB RAMP DETAILS.
- RELOCATE MAILBOXES TO CURB.
- WIDEN ROADWAY AND PLACE AGGREGATE BASE, 12 INCHES THICK.
- INSTALL ASPHALT DRIVEWAY, 4 INCHES THICK. SEE SHEETS V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- TREAT PULVERIZED SUBGRADE.
- APPLY PORTLAND CEMENT TO SUBGRADE AND MIX IN.

OTHER NOTES

- THE STATIONING FOR THE PROPOSED CENTERLINE OF VALLEY VIEW DRIVE IS SET TO BEGIN AT THE INTERSECTION WITH THE CENTERLINE OF KAPTEYNS STREET. SAWCUT MATCH EXISTING PAVEMENT AT INTERSECTION AT STA 0+16.07.
- THIS PROPERTY CORNER WAS FOUND AT STA -0+25.00 AND OFFSET 0.00'.
- A PK NAIL WAS PLACED AT STA 0+00.00. ITS EXISTING ELEVATION WAS 675.69.
- CONTROL POINT: OTAK NAIL
STA 1+47.92
OFFSET 14.44' SOUTH OF CENTERLINE
EXISTING ELEVATION 671.62
- MATCH EXISTING CURB ELEVATION
STA 1+32.50
OFFSET 17.93' SOUTH OF CENTERLINE
EXISTING TOP OF CURB ELEVATION 672.39
- FOUND $\frac{5}{8}$ " IRON ROD
STA 1+32.50
OFFSET 0.00' FROM CENTERLINE
EXISTING ELEVATION 672.38

Valley View Drive - Sequencing of Construction

- Concrete finishing (curbs, sidewalks, and driveways)
- Excavation and disposal of clay/dirt where road widening will occur
- Pulverizing of existing asphalt and rough grading, adding additional base material where needed to meet final grades
- Cement treatment of base and final grading
- Placement of two lifts of asphalt pavement



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Valley View Drive
Sta. 2+78 to 5+21

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
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DATE ISSUED:	2/7/18

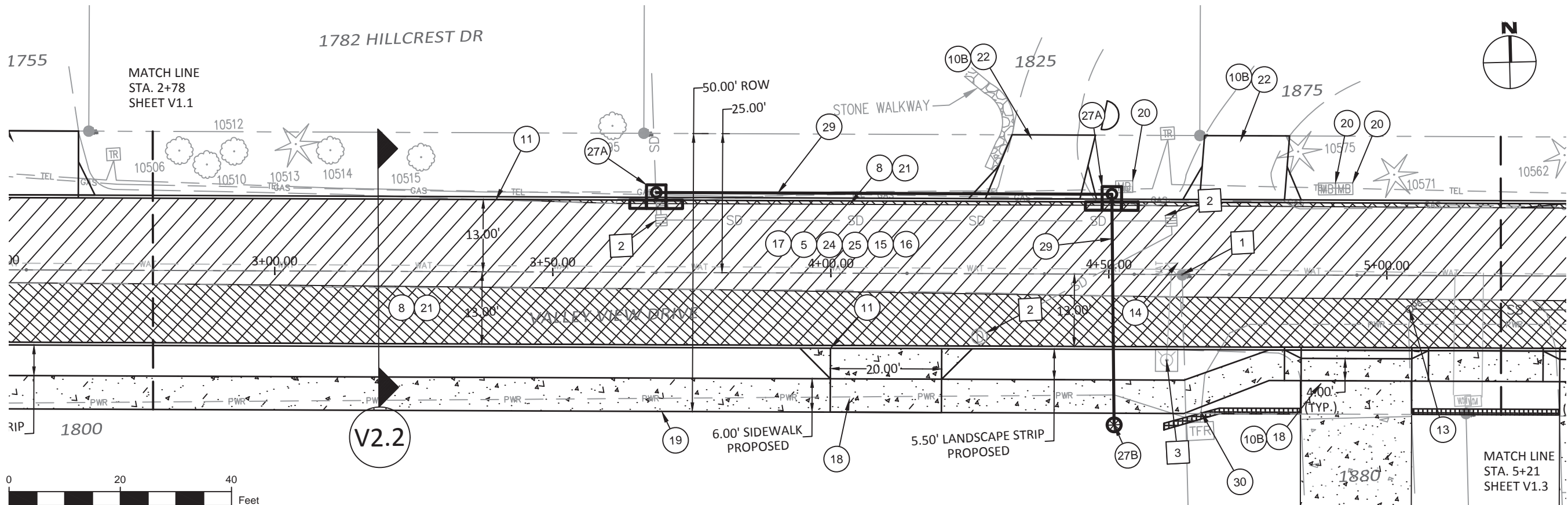
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DATE	DESCRIPTION
5/3/18	CURB

PLAN SHEET

V1.2

19 OF 40



ITEM NOTES

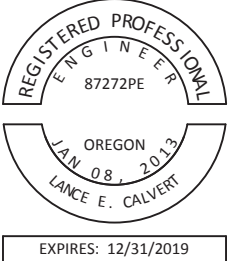
- 5 RECONDITION EXISTING ROADWAY.
- 8 EXCAVATE TO WIDEN ROADWAY.
- 10B REMOVE WALKS AND DRIVEWAYS (ASPHALT).
- 11 INSTALL CONCRETE CURBS, STRAIGHT CURB (WL-501).
- 13 MINOR ADJUST MANHOLES.
- 14 ADJUST WATER BOXES.
- 15 PAVE LEVEL 2, $\frac{3}{4}$ INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, $\frac{1}{2}$ INCH ACP OVER ENTIRE ROADWAY.
- 17 PULVERIZE EXISTING ASPHALT AND BASE.
- 18 INSTALL CONCRETE DRIVEWAY, 6 INCHES THICK. SEE SHEET V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- 19 INSTALL CONCRETE WALKS. SEE SHEET V3.10 FOR CURB RAMP DETAILS.
- 20 RELOCATE MAILBOXES TO CURB.
- 21 WIDEN ROADWAY AND PLACE AGGREGATE BASE, 12 INCHES THICK.
- 22 INSTALL ASPHALT DRIVEWAY, 4 INCHES THICK. SEE SHEETS V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- 24 TREAT PULVERIZED SUBGRADE.
- 25 APPLY PORTLAND CEMENT TO SUBGRADE AND MIX.
- 27A INSTALL CONCRETE INLETS (CURB INLET, WL-600). SEE SHEET S4.1 FOR STORM DETAILS.
- 27B INSTALL CONCRETE INLETS (BEEHIVE). SEE SHEET S4.1 FOR STORM DETAILS.
- 29 INSTALL 12-INCH REINFORCED CONCRETE PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 30 CONSTRUCT BLOCK RETAINING WALL. SEE DRIVEWAY DETAILS SHEETS V3.1 THROUGH V3.9 FOR ELEVATIONS.

OTHER NOTES

- 1 FOUND $\frac{5}{8}$ " IRON ROD
STA 4+63.19
OFFSET 0.00' FROM CENTERLINE
EXISTING ELEVATION 662.79
- 2 REMOVE EXISTING STORM STRUCTURES.
- 3 CONTROL POINT: TOP OF HYDRANT
STA 4+60.44
OFFSET 15.42 SOUTH OF CENTERLINE
EXISTING TOP OF HYDRANT ELEVATION 666.61



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Valley View Drive
Sta. 5+21 to 7+76

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
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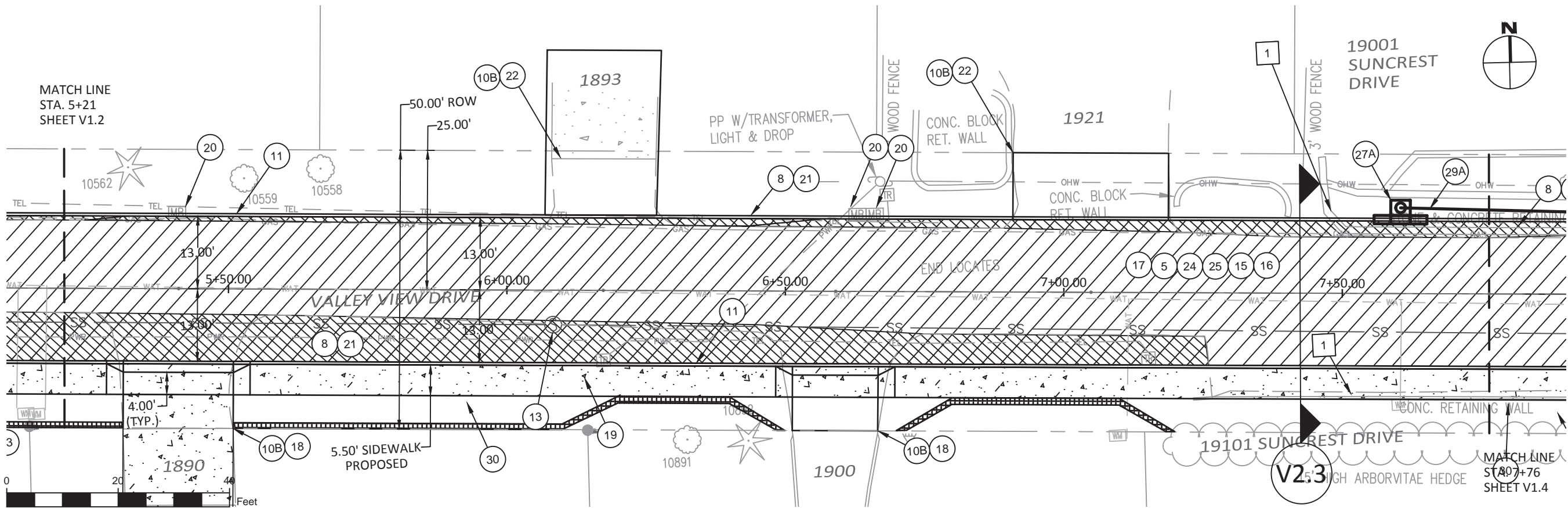
REVISION

DATE	DESCRIPTION
5/3/18	CURB

PLAN SHEET

V1.3

20 OF 40



ITEM NOTES

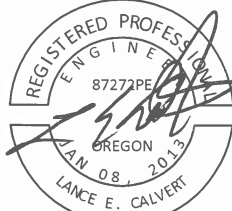
- 5 RECONDITION EXISTING ROADWAY.
- 8 EXCAVATE TO WIDEN ROADWAY.
- 10B REMOVE WALKS AND DRIVEWAYS (ASPHALT).
- 11 INSTALL CONCRETE CURBS, STRAIGHT CURB (WL-501).
- 13 MINOR ADJUST MANHOLES.
- 14 ADJUST WATER BOXES.
- 15 PAVE LEVEL 2, $\frac{3}{4}$ INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, $\frac{1}{2}$ INCH ACP OVER ENTIRE ROADWAY.
- 17 PULVERIZE EXISTING ASPHALT AND BASE.
- 18 INSTALL CONCRETE DRIVEWAY, 6 INCHES THICK. SEE SHEET V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- 19 INSTALL CONCRETE WALKS. SEE SHEET V3.10 FOR CURB RAMP DETAILS.
- 20 RELOCATE MAILBOXES TO CURB.
- 21 WIDEN ROADWAY AND PLACE AGGREGATE BASE , 12 INCHES THICK.
- 22 INSTALL ASPHALT DRIVEWAY, 4 INCHES THICK. SEE SHEETS V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- 24 TREAT PULVERIZED SUBGRADE.
- 25 APPLY PORTLAND CEMENT TO SUBGRADE AND MIX.
- 27A INSTALL CONCRETE INLETS (CURB INLET, WL-600). SEE SHEET S4.1 FOR STORM DETAILS.
- 27B INSTALL CONCRETE INLETS (BEEHIVE). SEE SHEET S4.1 FOR STORM DETAILS.
- 29 INSTALL 12-INCH REINFORCED CONCRETE PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 29B INSTALL 4-INCH PVC PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 30 CONSTRUCT BLOCK RETAINING WALL. SEE DRIVEWAY DETAILS SHEETS V3.1 THROUGH V3.9 FOR ELEVATIONS.

OTHER NOTES

- 1 REMOVE EXISTING CONCRETE AND STONE RETAINING WALLS.



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WEST LINN, OR 97068
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CONTRACTOR TBD

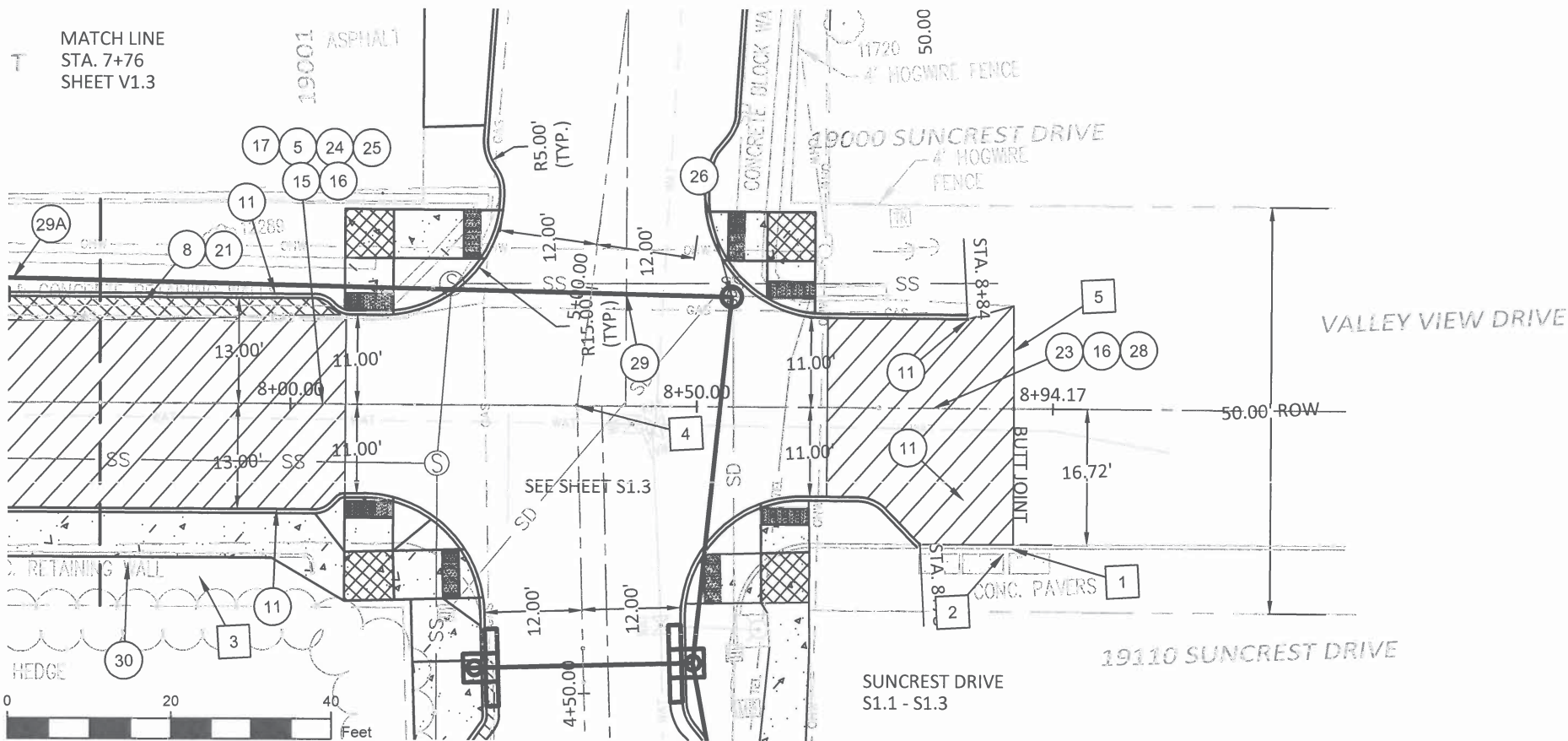
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Valley View Drive
Sta. 7+76 to End

PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION

PLAN SHEET
V1.4
21 OF 40



ITEM NOTES

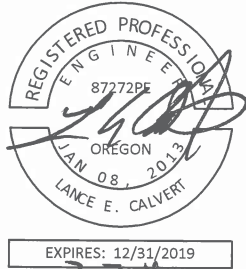
- 5 RECONDITION EXISTING ROADWAY.
- 8 EXCAVATE TO WIDEN ROADWAY.
- 11 INSTALL CONCRETE CURBS, STRAIGHT CURB (WL-501).
- 15 PAVE LEVEL 2, $\frac{3}{4}$ INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, $\frac{1}{2}$ INCH ACP OVER ENTIRE ROADWAY.
- 17 PULVERIZE EXISTING ASPHALT AND BASE.
- 18 INSTALL CONCRETE DRIVEWAY, 6 INCHES THICK. SEE SHEET V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- 19 INSTALL CONCRETE WALKS. SEE SHEET V3.10 FOR CURB RAMP DETAILS.
- 20 RELOCATE MAILBOXES TO CURB.
- 21 WIDEN ROADWAY AND PLACE AGGREGATE BASE, 12 INCHES THICK.
- 22 INSTALL ASPHALT DRIVEWAY, 4 INCHES THICK. SEE SHEETS V3.1 THROUGH V3.9 FOR DRIVEWAY DETAILS.
- 23 COLD PLANE PAVEMENT REMOVAL, 2-INCHES DEEP. SEE SHEET S2.2 FOR CROSS-SECTION.
- 24 TREAT PULVERIZED SUBGRADE.
- 25 APPLY PORTLAND CEMENT TO SUBGRADE AND MIX.
- 26 INSTALL CONCRETE STORM SEWER MANHOLES. SEE SHEET S4.1 FOR STORM DETAILS.
- 27A INSTALL CONCRETE INLETS (CURB INLET, WL-600). SEE SHEET S4.1 FOR STORM DETAILS.
- 27B INSTALL CONCRETE INLETS (BEEHIVE). SEE SHEET S4.1 FOR STORM DETAILS.
- 28 APPLY EMULSIFIED ASPHALT FOR TACK COAT ON EXISTING PAVEMENT PRIOR TO PAVING TOP LIFT.
- 29 INSTALL 12-INCH REINFORCED CONCRETE PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 29B INSTALL 4-INCH PVC PIPE BETWEEN STORM DRAIN STRUCTURES. SEE SHEET S4.1 FOR STORM DETAILS.
- 30 CONSTRUCT BLOCK RETAINING WALL. SEE DRIVEWAY DETAILS SHEETS V3.1 THROUGH V3.9 FOR ELEVATIONS.

OTHER NOTES

- 1 MATCH EXISTING CURB ELEVATION STA 8+89.33 (VALLEY VIEW DRIVE ALIGNMENT) OFFSET 16.72' SOUTH OF CENTERLINE
- 2 REMOVE EXISTING CURB ON SOUTH SIDE OF VALLEY VIEW DR WEST OF STA 8+89.33 TO EXISTING HYDRANT PAD ON SUNCREST DRIVE.
- 3 REMOVE EXISTING RETAINING WALL.
- 4 THE INTERSECTION OF VALLEY VIEW DRIVE AND SUNCREST DRIVE OCCURS ALONG THEIR ALIGNMENTS AT STA 8+35.39 AND STA 4+85.43, RESPECTIVELY.
- 5 SAWCUT AND MATCH EXISTING PAVEMENT ELEVATION AT STA 5+50.00 (SUNCREST DR ALIGNMENT) STA 8+89.33 (VALLEY VIEW DR ALIGNMENT)



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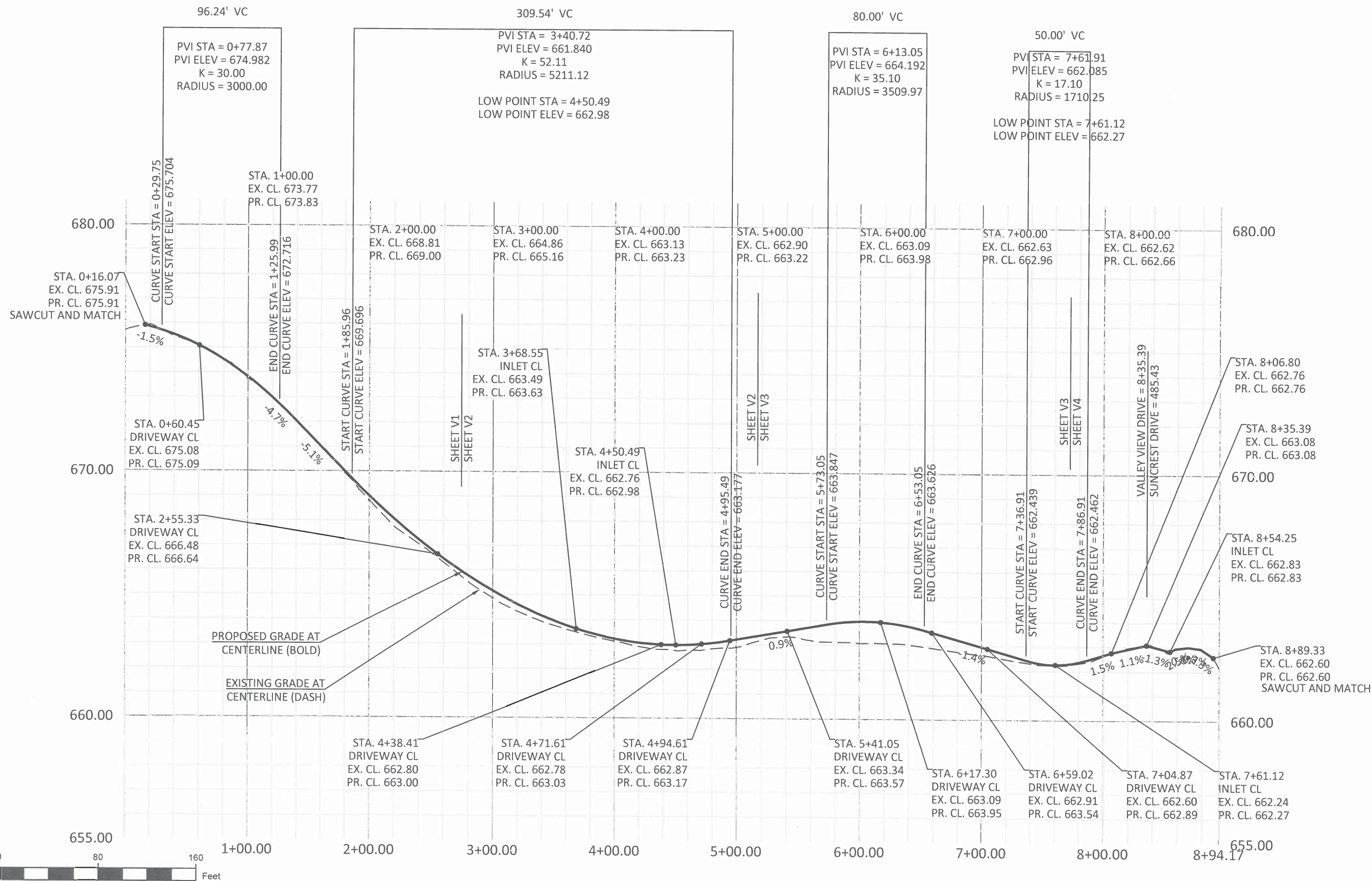
CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Valley View Drive
Profile

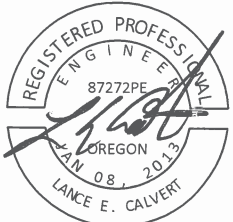
PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION





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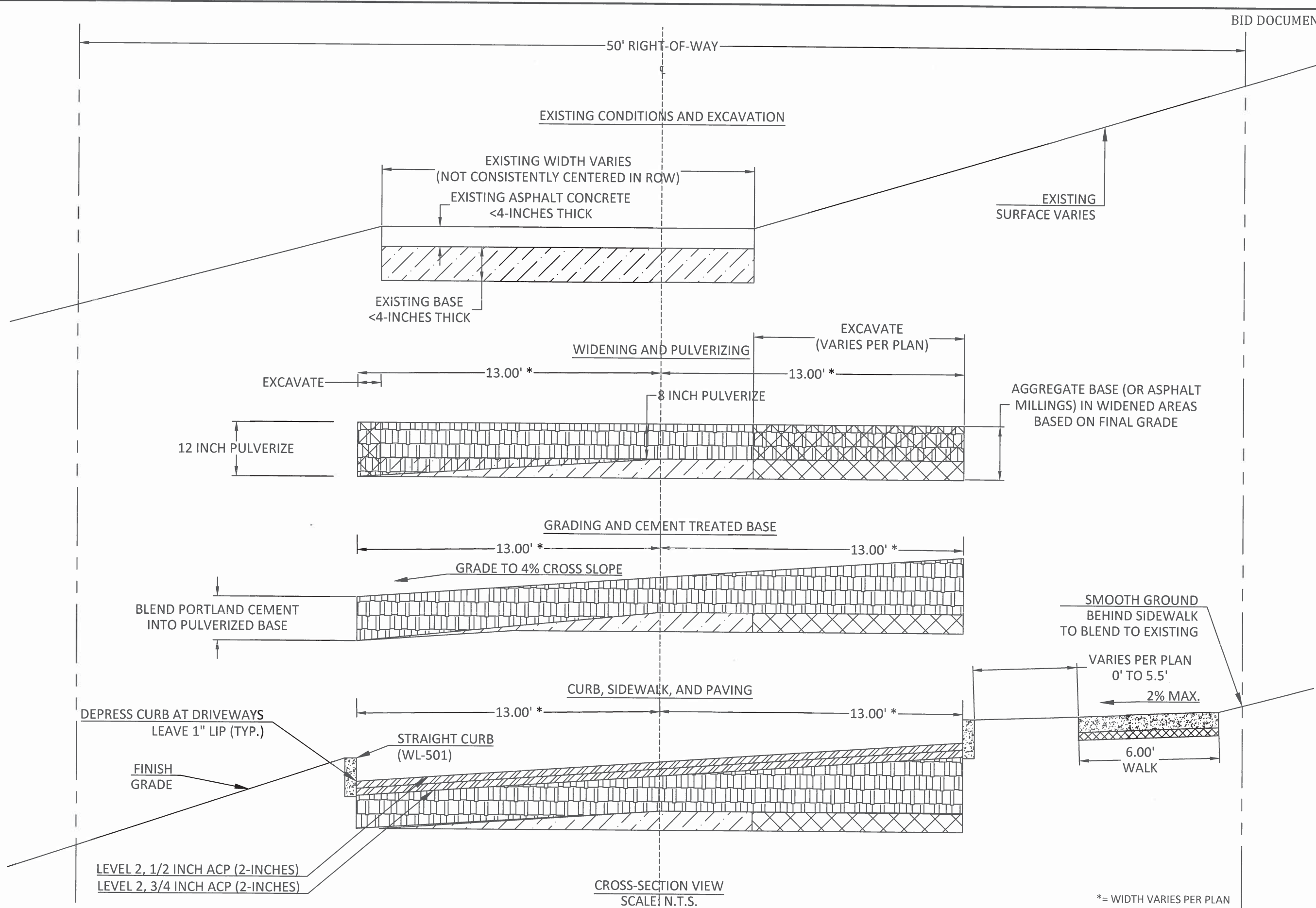
EXPIRES: 12/31/2019
3-2-18

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS
Valley View Drive
Cross-Section (Sta 1+35 to 4+50)

PROJECT DATA	
PROJECT NO:	PW-17-02
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DATE	DESCRIPTION





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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS
Valley View Drive
Cross-Section (Sta 4+75 to 8+00)

PROJECT DATA

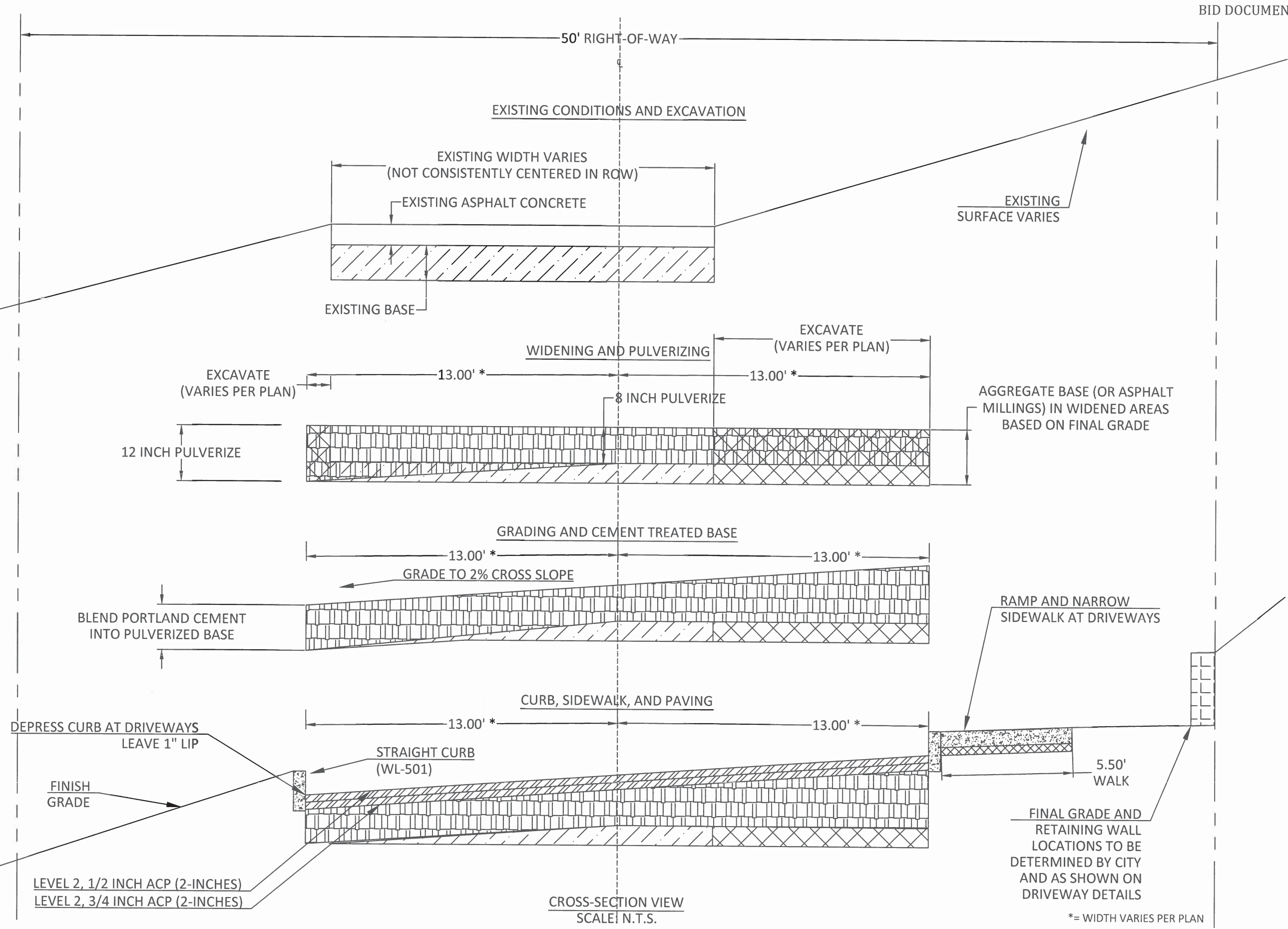
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DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

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DATE	DESCRIPTION

SECTION SHEET

V2.3





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EXPIRES: 12/31/2019

CONTRACTOR TBD

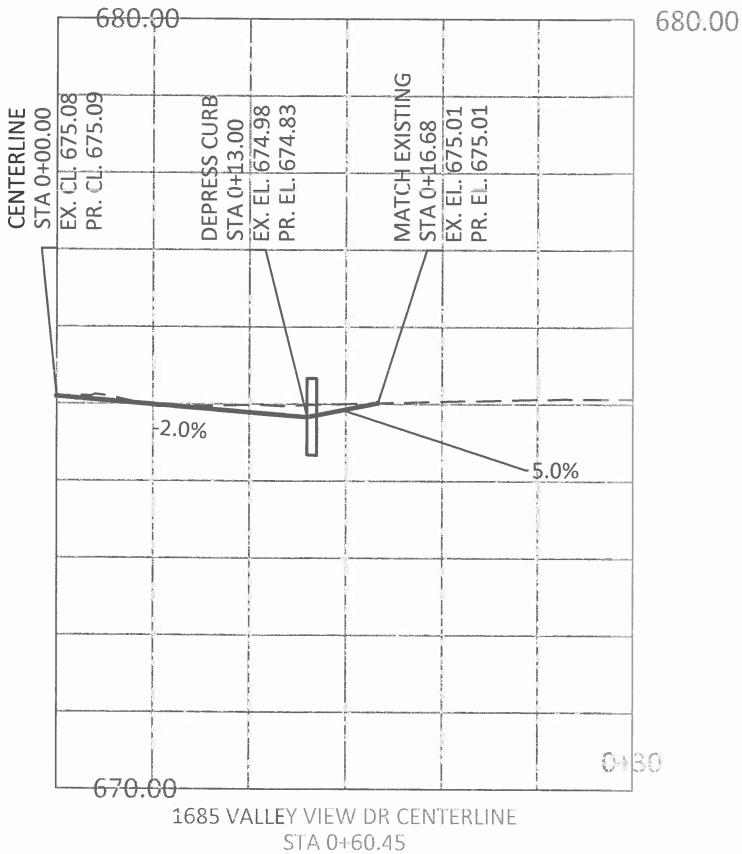
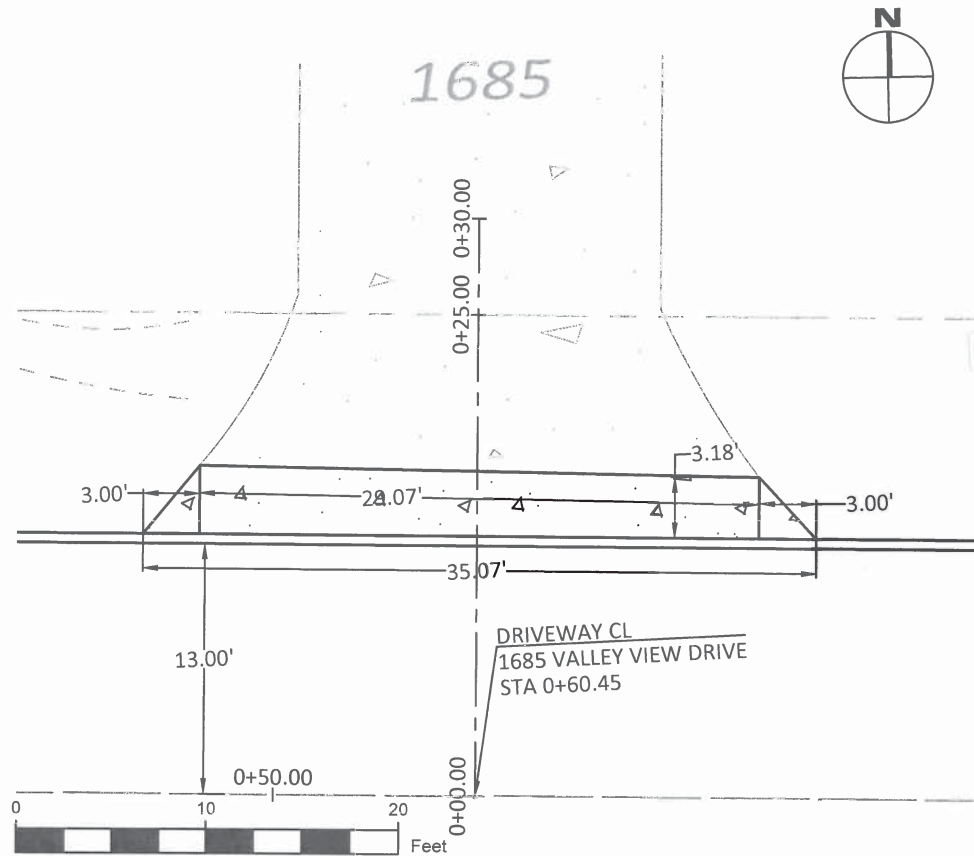
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1685 Valley View Dr

PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DATE ISSUED:	2/7/18

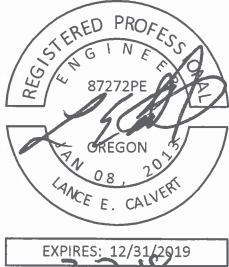
REVISION	
DATE	DESCRIPTION

DETAIL SHEET
V3.1
25 OF 40





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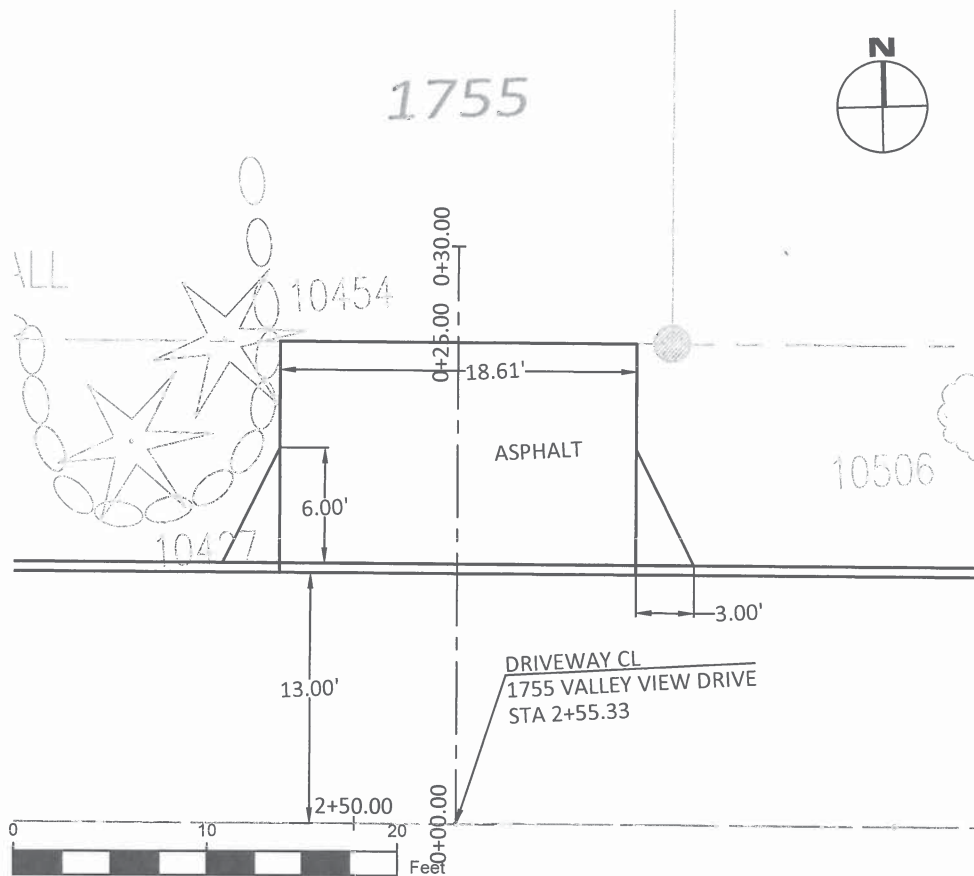
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1755 Valley View Dr

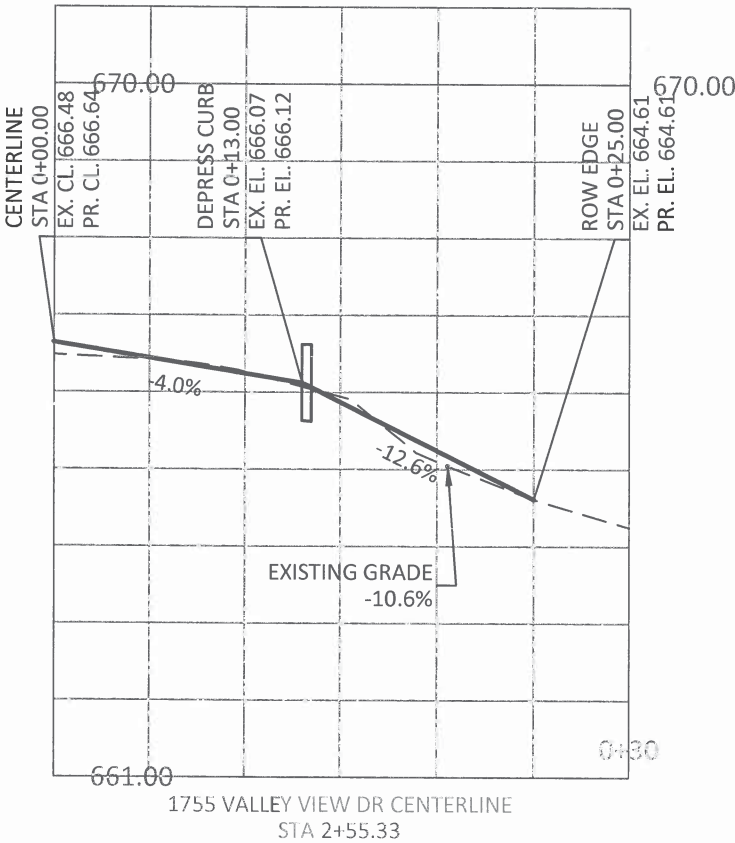
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DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION

DETAIL SHEET
V3.2
26 OF 40

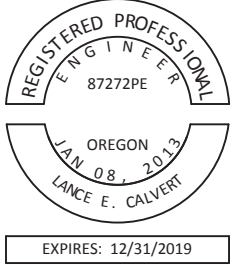


CONCRETE WALK WAS REPLACED ACCORDING TO RIGHT-OF-ENTRY
AGREEMENT SIGNED ON 05/09/2018





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CONTRACTOR TBD

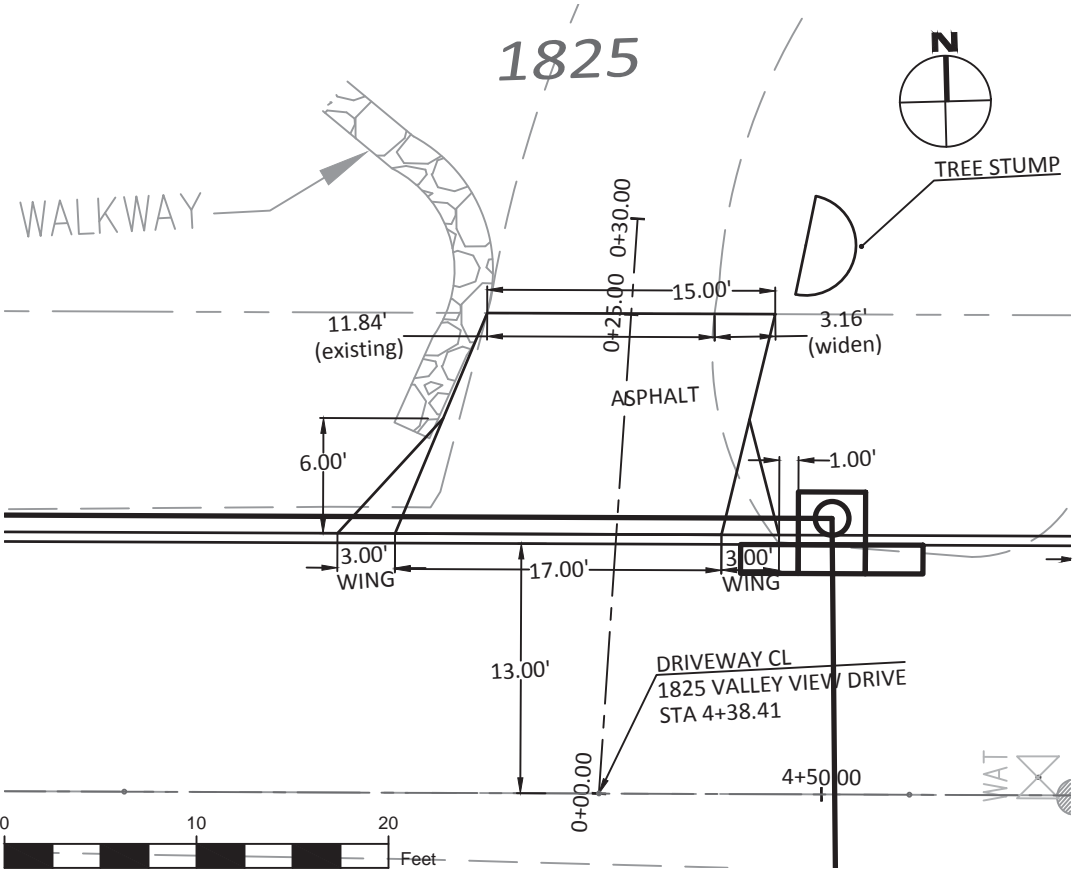
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1825 Valley View Dr

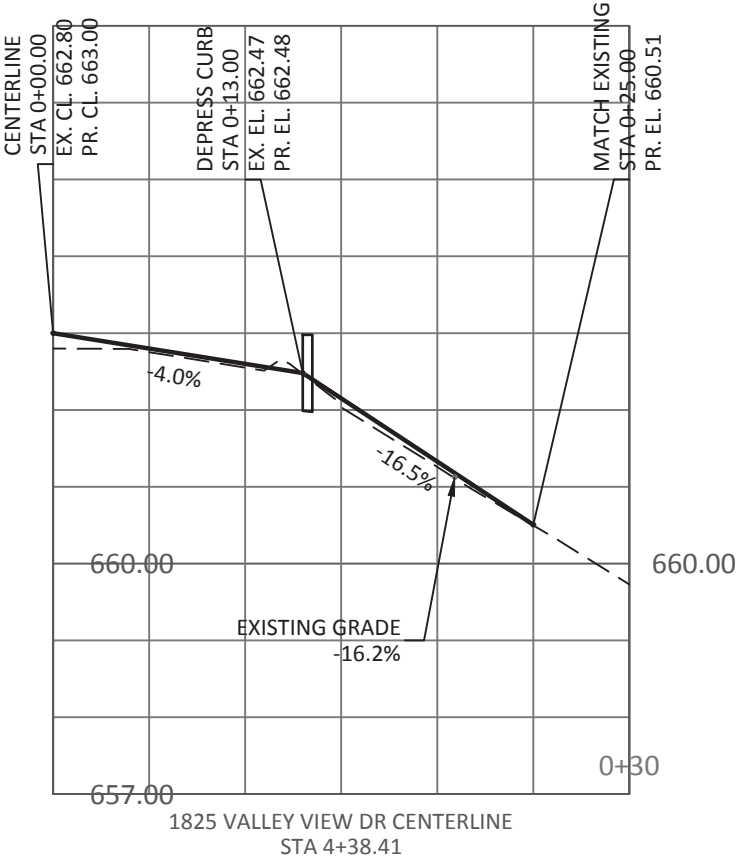
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PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION
5/3/18	LAYOUT

DETAIL SHEET	
V3.3	
27 OF 40	



~~COORDINATE PAVING OF APPROACH WITH PRIVATE DRIVEWAY PAVING BY PROPERTY OWNER.~~
THE APPROACH WAS REPLACED ONLY.





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1825 Valley View Dr

PROJECT DATA

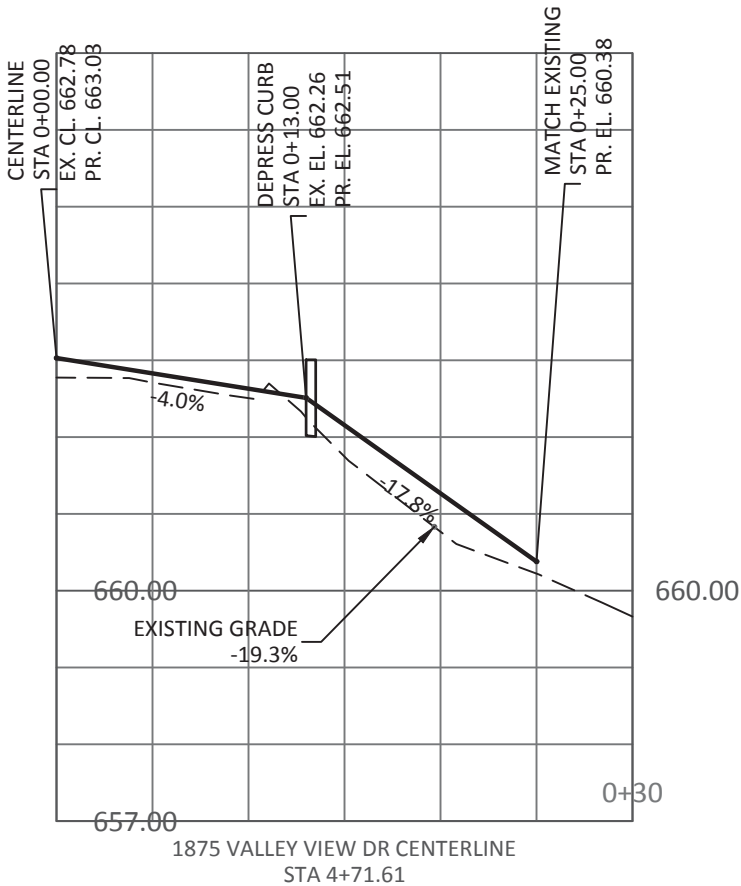
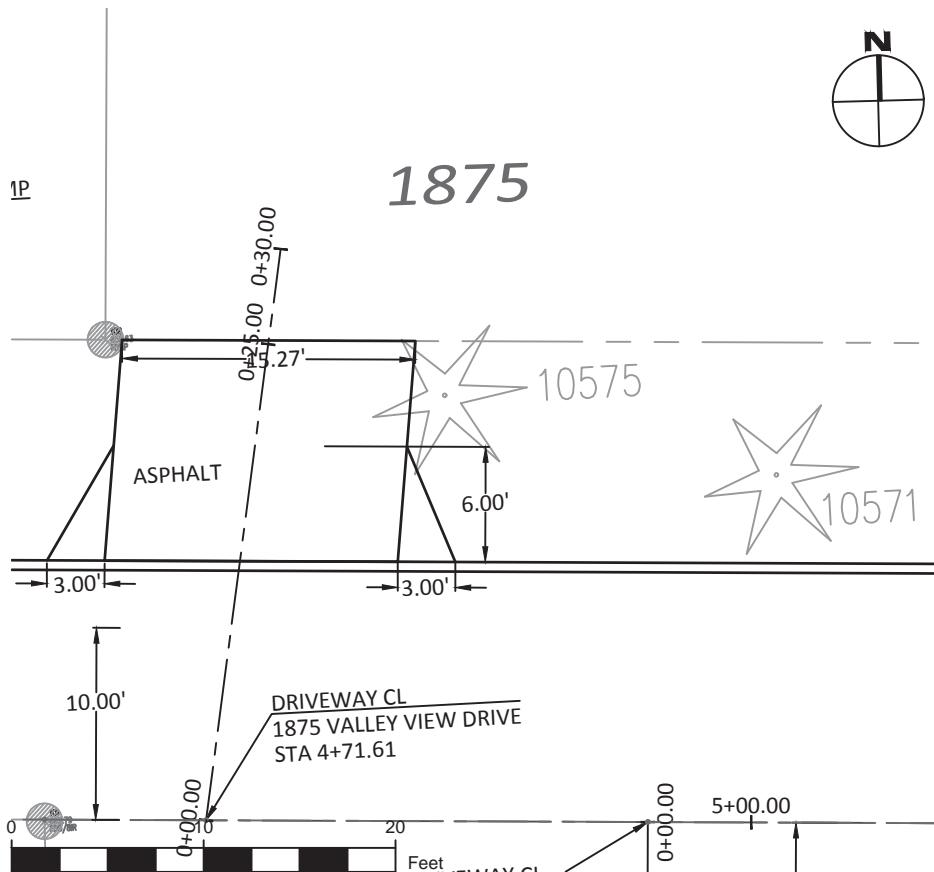
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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REVISION

DATE	DESCRIPTION
5/3/18	GRADES

DETAIL SHEET

V3.4





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1880 Valley View Dr

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

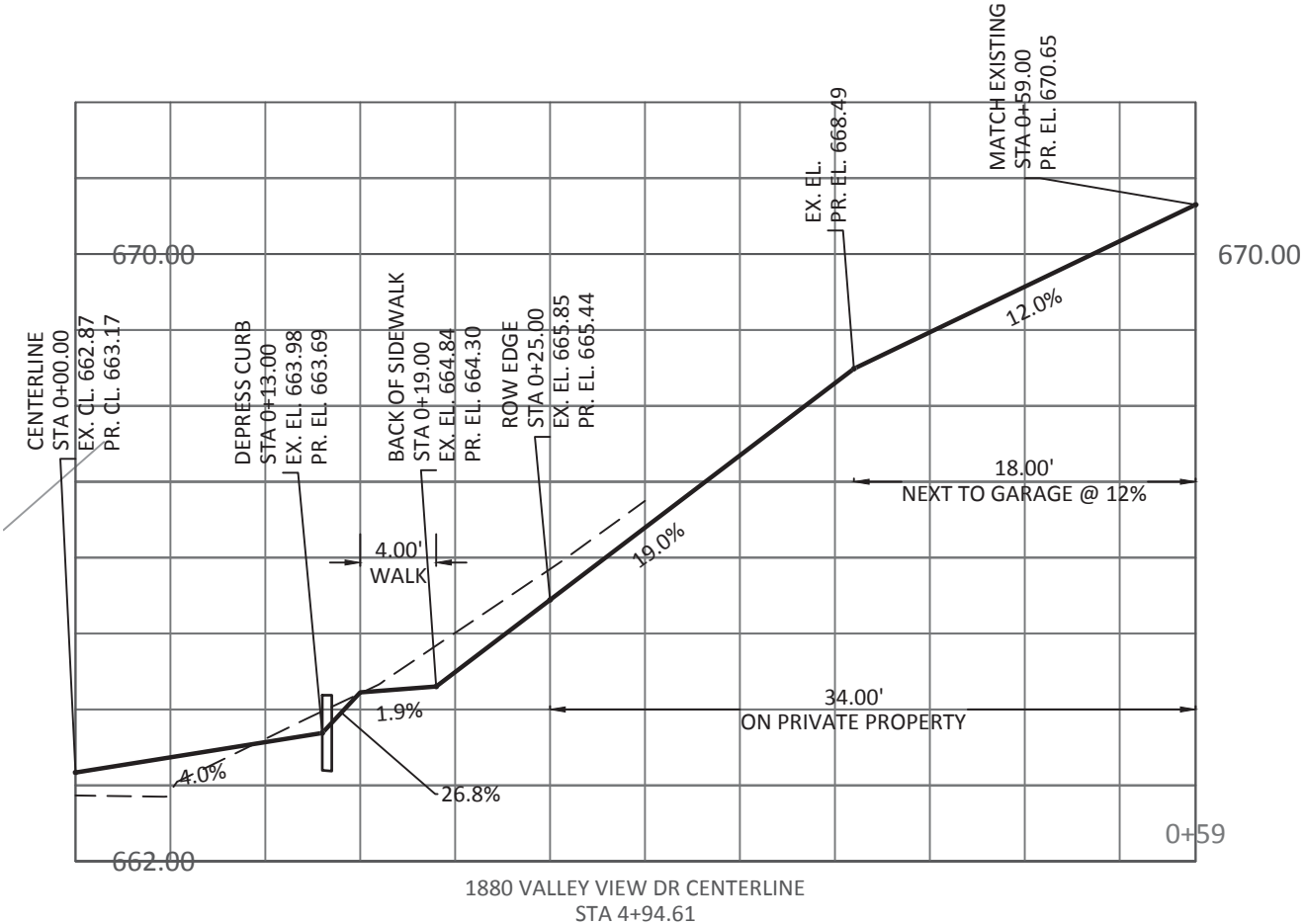
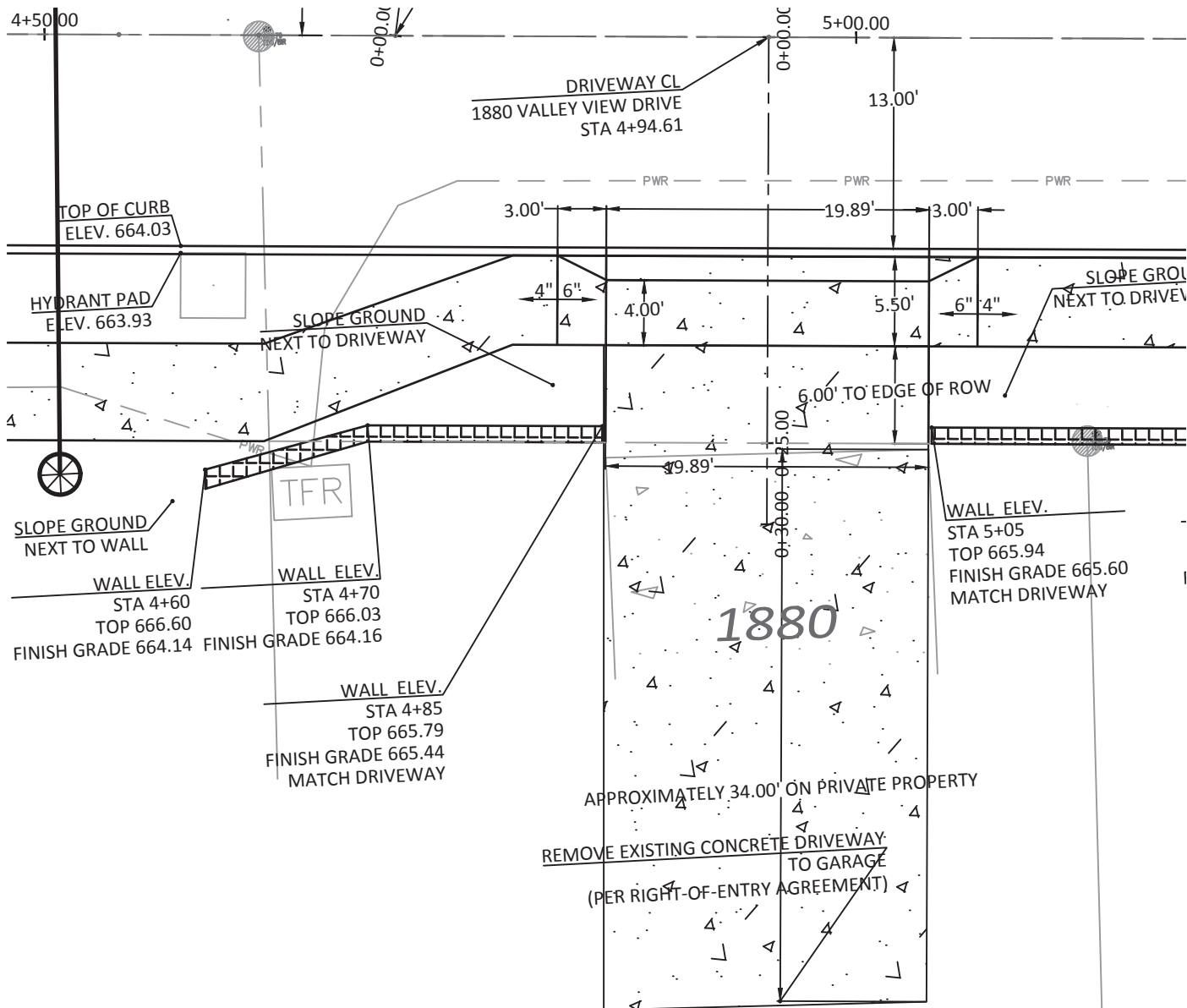
REVISION

DATE	DESCRIPTION
5/3/18	GRADES

DETAIL SHEET

V3.5

29 OF 40



CONDUCT GRADING AND REPLACEMENT ACCORDING TO
RIGHT-OF-ENTRY AGREEMENT SIGNED ON 04/30/2018
(HOMEOWNERS HIRED THEIR OWN CONTRACTOR AND
CITY REIMBURSED THEM BASED ON UNIT COSTS)





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CONTRACTOR TBD

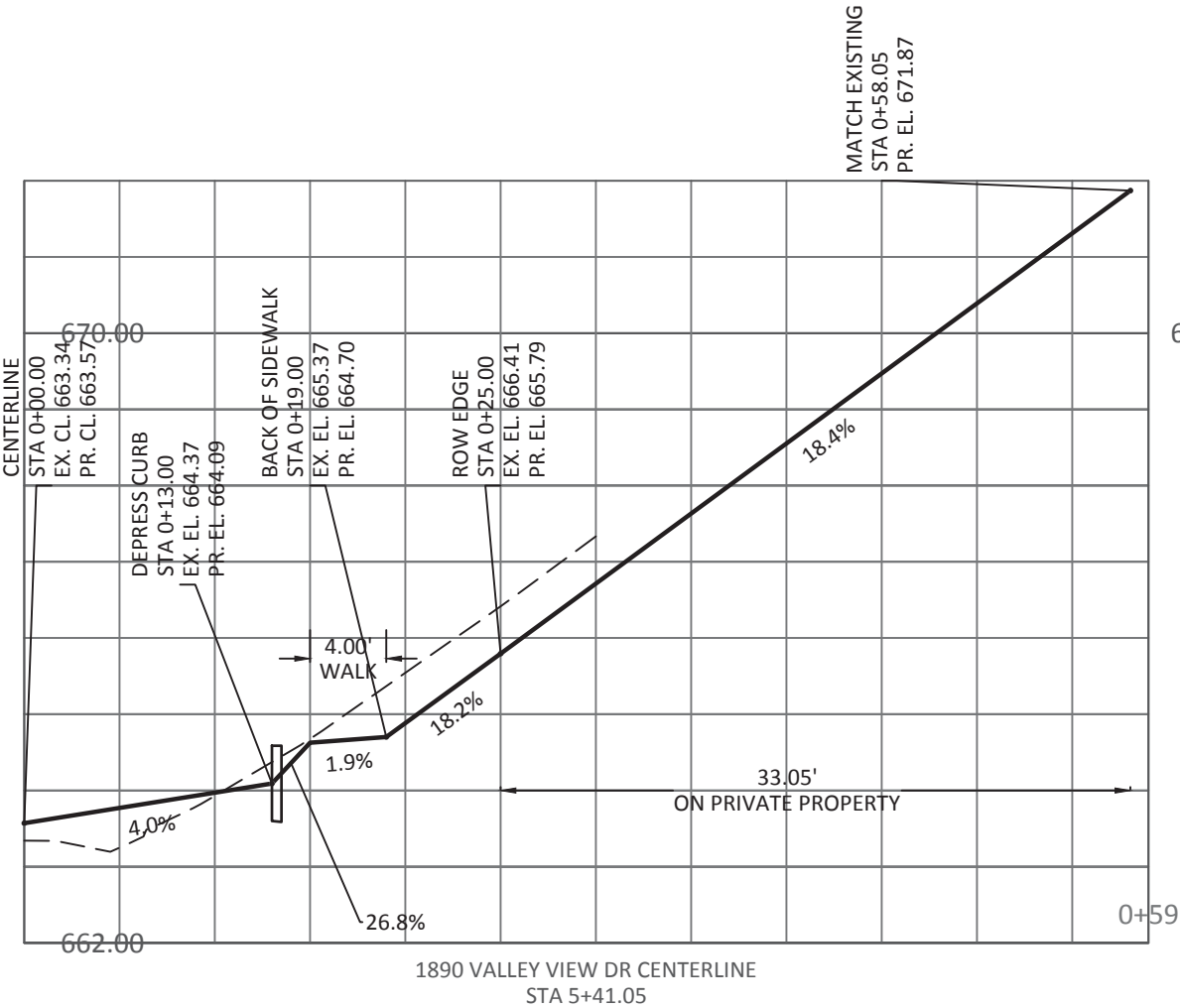
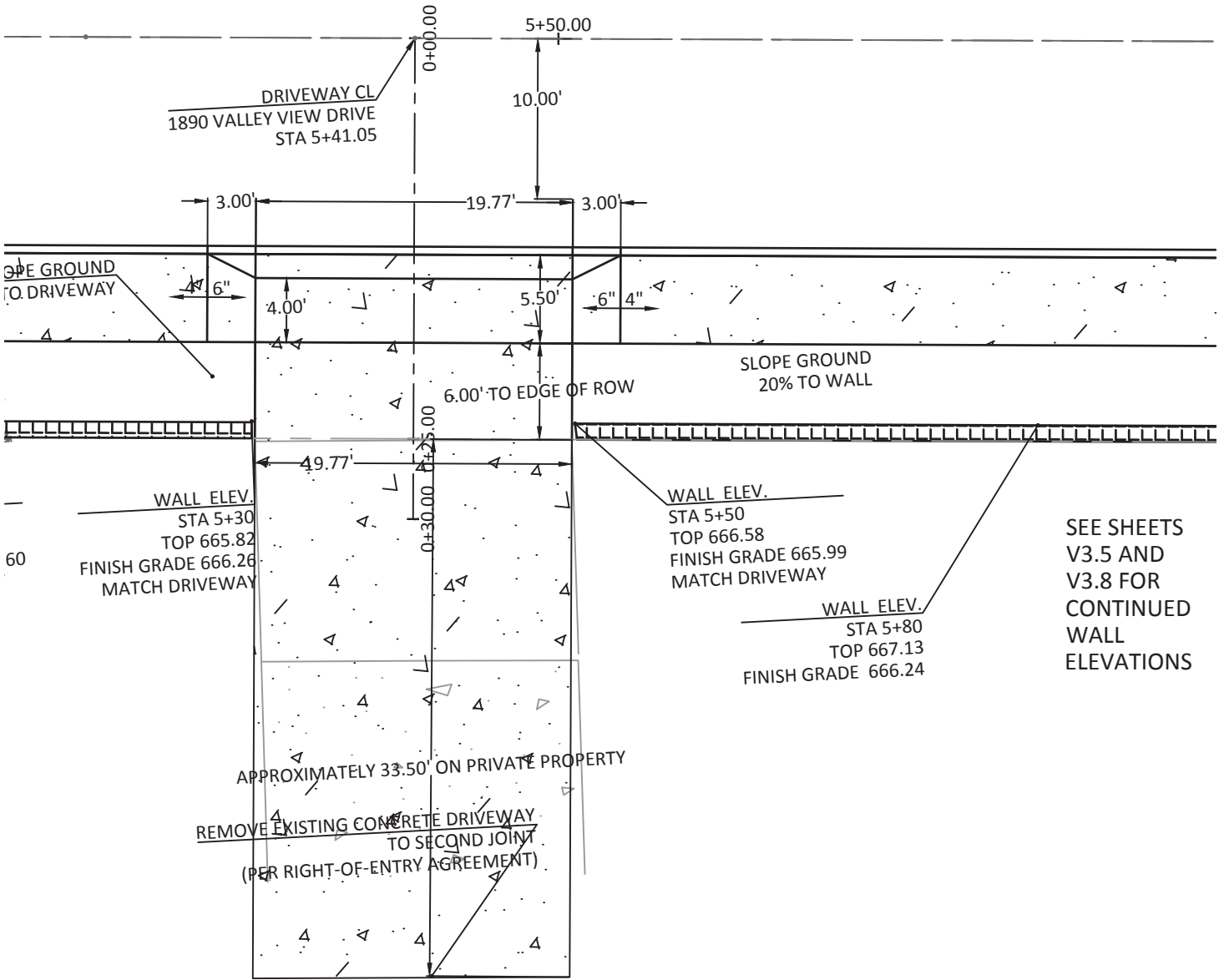
VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1890 Valley View Dr

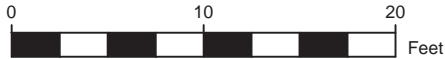
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PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION	
DATE	DESCRIPTION
5/3/18	GRADES

DETAIL SHEET
V3.6
30 OF 40



CONDUCT GRADING AND REPLACEMENT ACCORDING
RIGHT-OF-ENTRY AGREEMENT SIGNED ON 04/26/2018
(COMPLETED UNDER A SEPARATE CONTRACT)





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1893 Valley View Dr

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

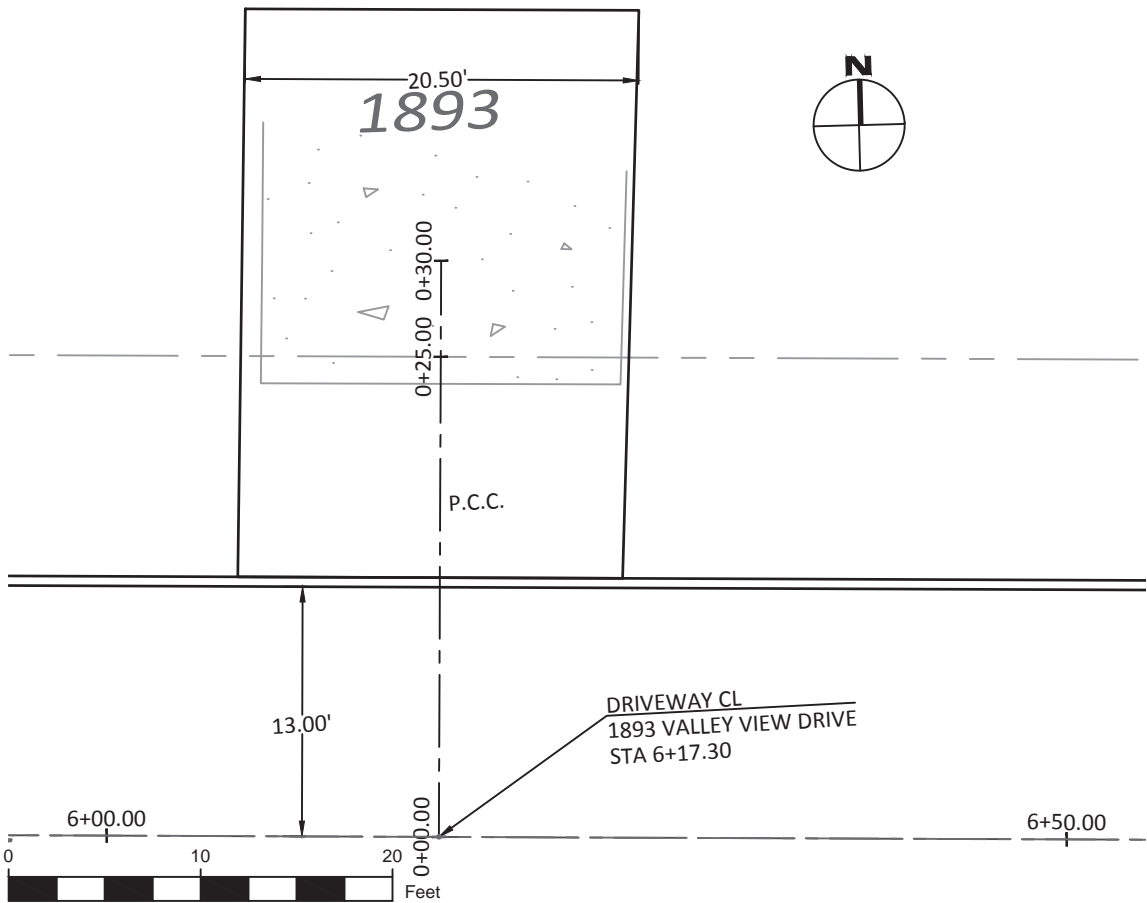
REVISION

DATE	DESCRIPTION
5/3/18	GRADES

DETAIL SHEET

V3.7

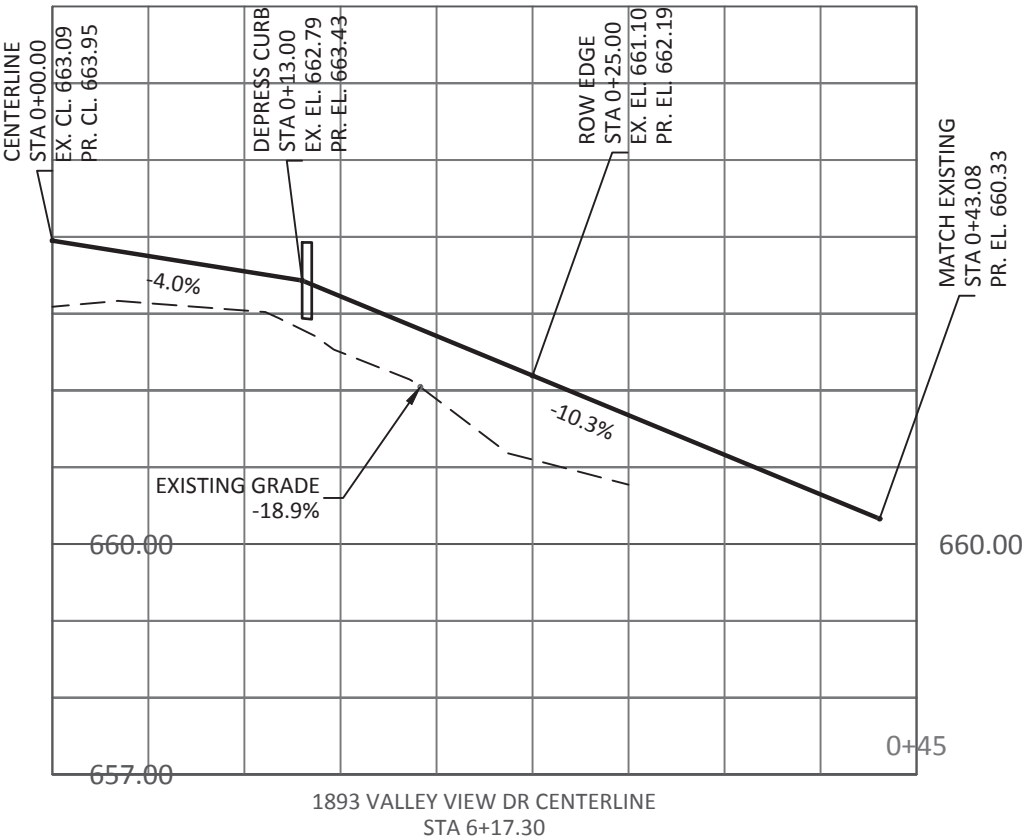
31 OF 40



CONDUCT GRADING AND REPLACEMENT ACCORDING
RIGHT-OF-ENTRY AGREEMENT SIGNED ON 05/09/2018

HOMEOWNER TO PLACE DRAIN GRATE NEXT TO GARAGE
AFTER CONTRACTOR REMOVES EXISTING DRIVEWAY.

(COMPLETED UNDER A SEPARATE CONTRACT)





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1900 Valley View Dr

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DATE ISSUED:	2/7/18

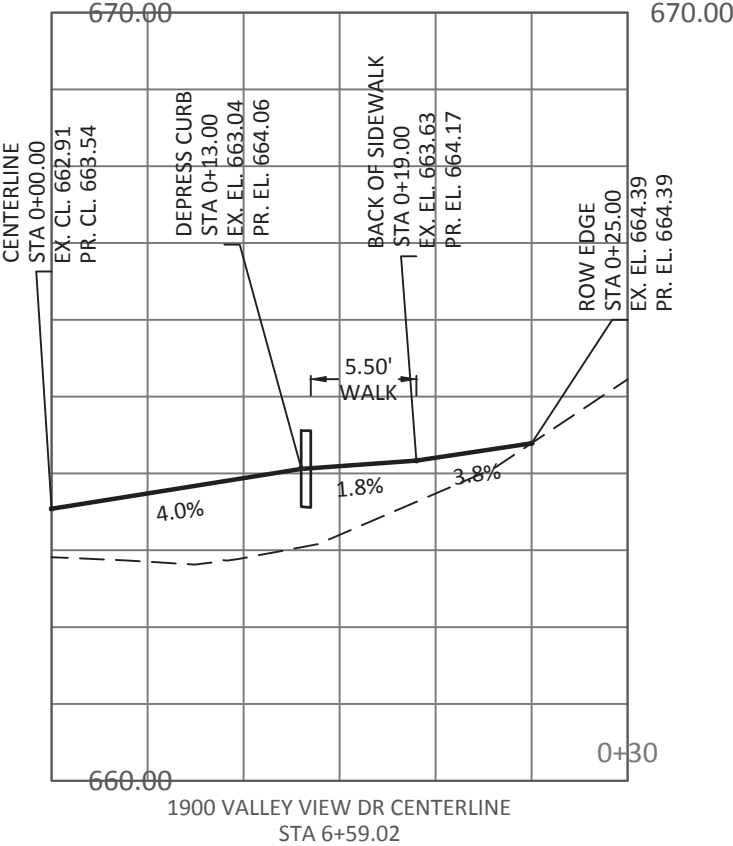
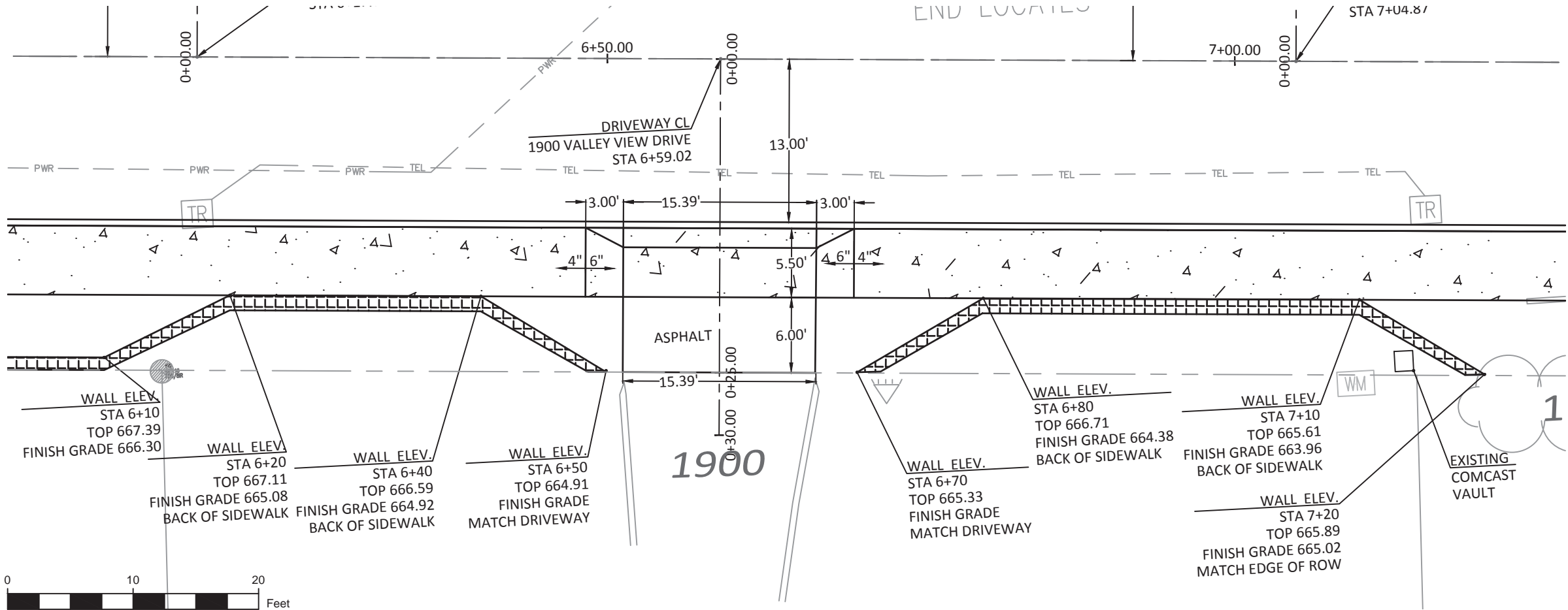
REVISION

DATE	DESCRIPTION
5/3/18	WALL

DETAIL SHEET

V3.8

32 OF 40





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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Driveway Detail
1921 Valley View Dr

PROJECT DATA

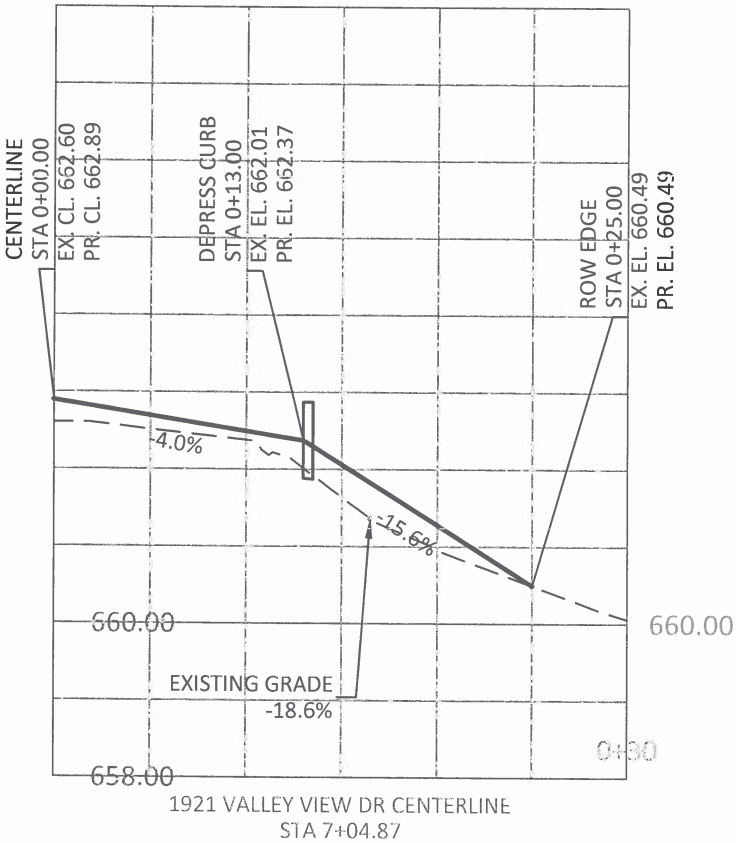
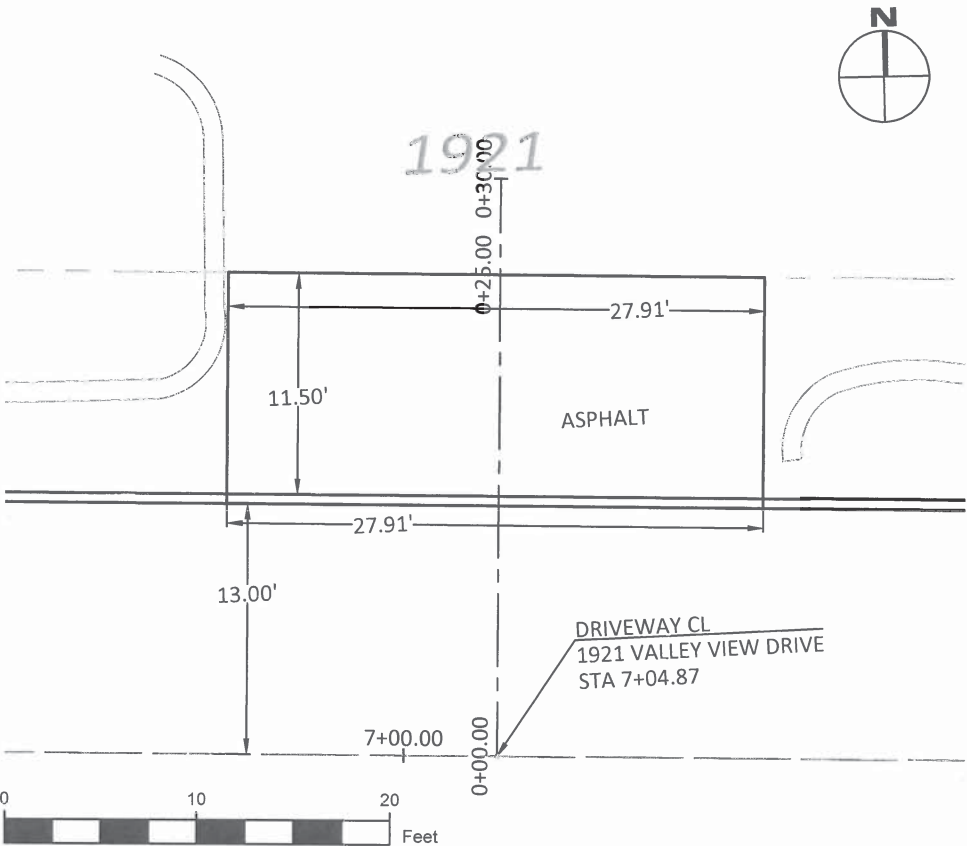
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DESIGNED BY:	LCALVERT
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DATE ISSUED:	2/7/18

REVISION

DATE	DESCRIPTION

DETAIL SHEET

V3.9



7578

VALLEY VIEW DR AND SUNCREST DR STREET IMPROVEMENTS

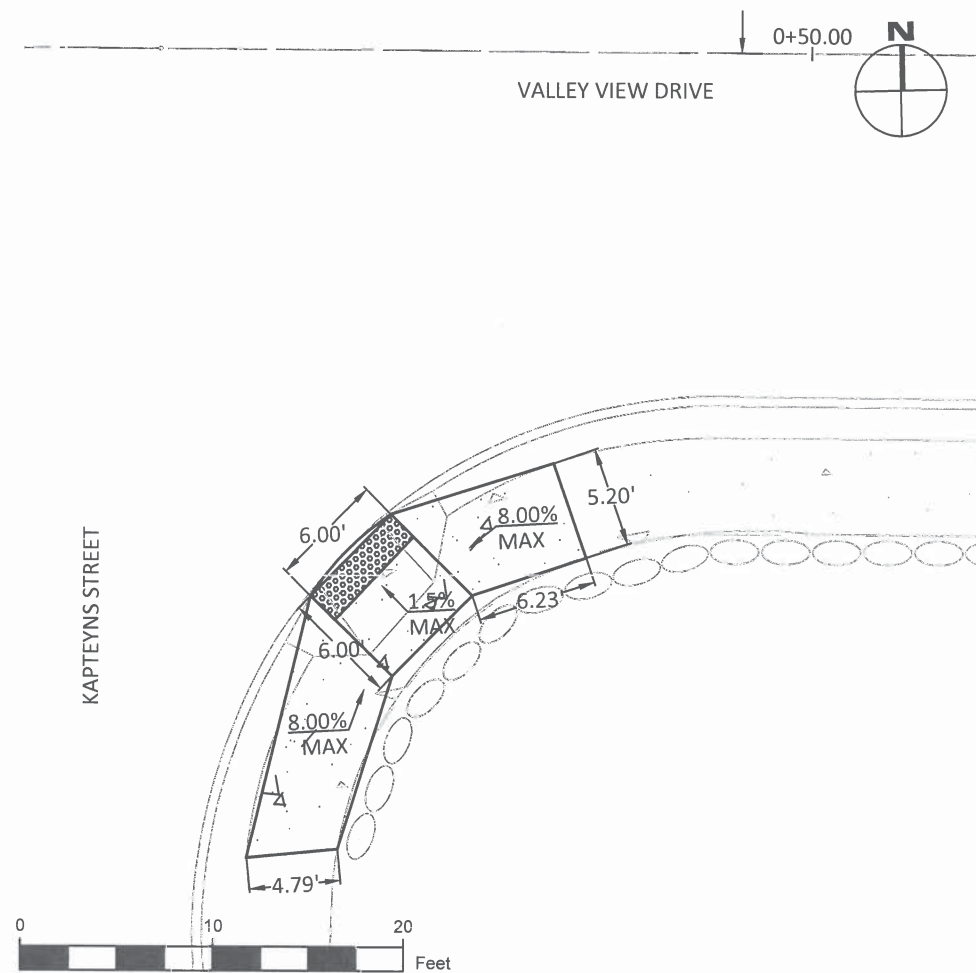
Valley View Dr (at Kapteyns St) Curb Ramp Details

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DATE	DESCRIPTION

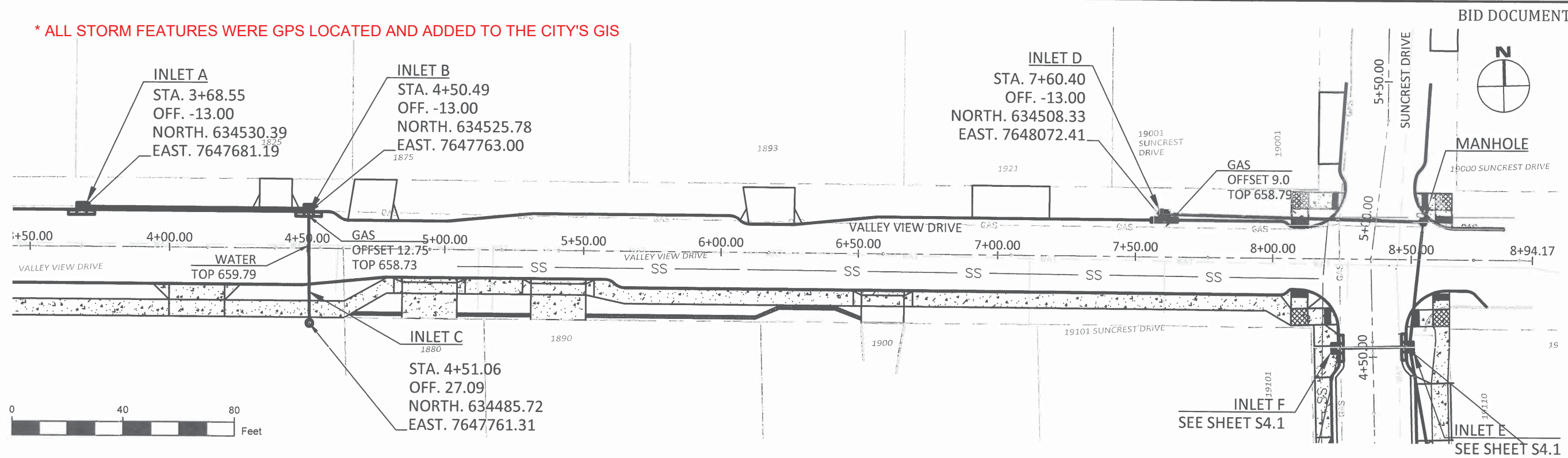
V3.10

34 OF 40



- INSTALL TRUNCATED DOMES AND CREATE ADA-COMPLIANT LANDING WITH MAXIMUM SLOPE OF 1.5% TOWARDS STREET.
- EXCAVATE EXISTING PANELS TO REPLACE RAMPS DOWN TO THE LANDING WITH A MAXIMUM SLOPE OF 8%.

* ALL STORM FEATURES WERE GPS LOCATED AND ADDED TO THE CITY'S GIS



INLET A - CURB INLET (WL-600)
STA. 3+68.55
TOP OF CURB ELEV. ~~663.61~~ 663.69
INVERT ELEV. ~~659.20~~ (N) CONNECT EXISTING 12 INCH PIPE 658.31
INVERT ELEV. ~~659.20~~ (E) 659.51

INLET B - CURB INLET (WL-600)
STA. 4+50.49
TOP OF CURB ELEV. ~~662.96~~ 662.83
INVERT ELEV. ~~660.02~~ (W) 659.98
INVERT ELEV. ~~660.02~~ (S) 660.10

INLET C - BEEHIVE INLET
STA. 4+50.49
TOP ELEV. ~~663.30~~ 664.46
RIM ELEV. ~~662.55~~ 663.55
INVERT ELEV. ~~660.27~~ (N) 660.45

INLET D - CURB INLET (WL-600)
STA. 7+61.12
TOP OF CURB ELEV. ~~662.51~~ 662.53
INVERT ELEV. ~~660.98~~ (E) 660.88

MANHOLE
REPLACE EXISTING STORM CATCH BASIN WITH MANHOLE
STA. 8+54.25 (VALLEY VIEW ALIGNMENT), OFFSET 13.50' NORTH
RIM ELEV. ~~663.68~~ 663.04
INVERT ELEV. ~~659.23~~ (S) 659.32
INVERT ELEV. ~~659.57~~ (W) 659.79
INVERT ELEV. ~~659.10~~ (N) CONNECT EXISTING 12 INCH PIPE 659.36
INVERT ELEV. ~~659.30~~ (E) CONNECT EXISTING 12 INCH PIPE
THIS PIPE WAS ABANDONED BECAUSE IT DID NOT
CONNECT TO ANY EXISTING STORM INFRASTRUCTURE.

STORM PIPE QUANTITIES				
UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LINEAR FEET	MATERIAL	SLOPE
INLET B	INLET A	82	12" RCP	1.00%
INLET C	INLET B	42	12" RCP	1.00%
INLET D	MANHOLE A	94	12" RCP	1.50%

BID DOCUMENTS



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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Valley View Dr
Storm Drain Improvements

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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REVISION

DATE	DESCRIPTION

DETAIL SHEET

V4.1

35 OF 40



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Standard Details

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
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DATE ISSUED:	2/7/18

REVISION

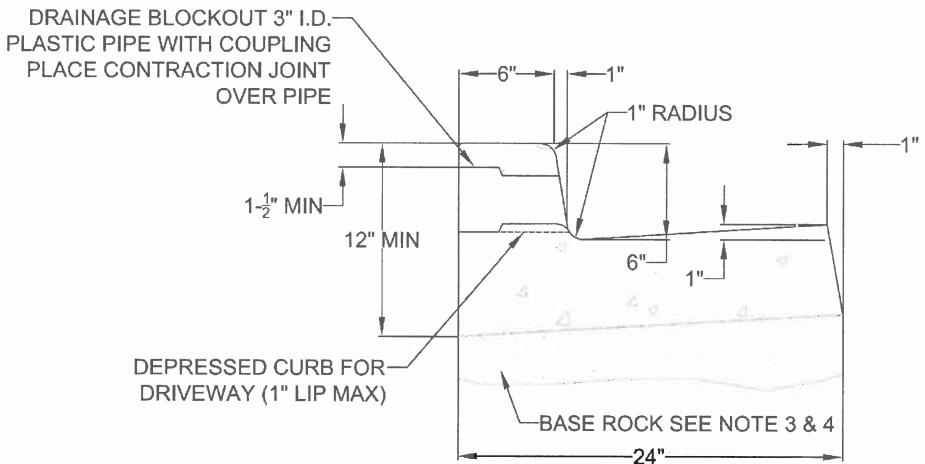
DATE	DESCRIPTION

DETAIL SHEET

D1

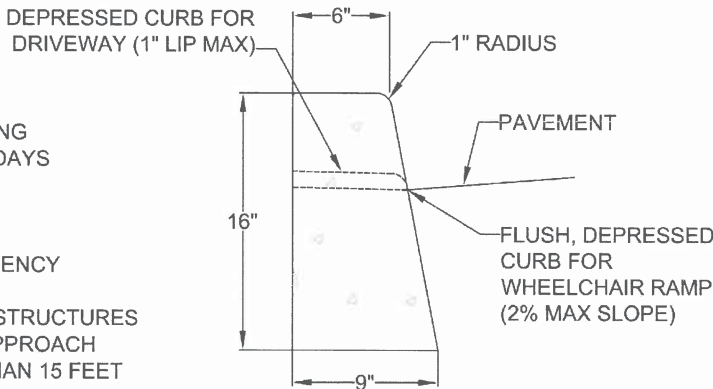
36 OF 40

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FLUSH, DEPRESSED CURB FOR WHEELCHAIR
RAMP 2% MAX SLOPE

TYPICAL CURB AND GUTTER



TYPICAL STRAIGHT CURB

NOTE:

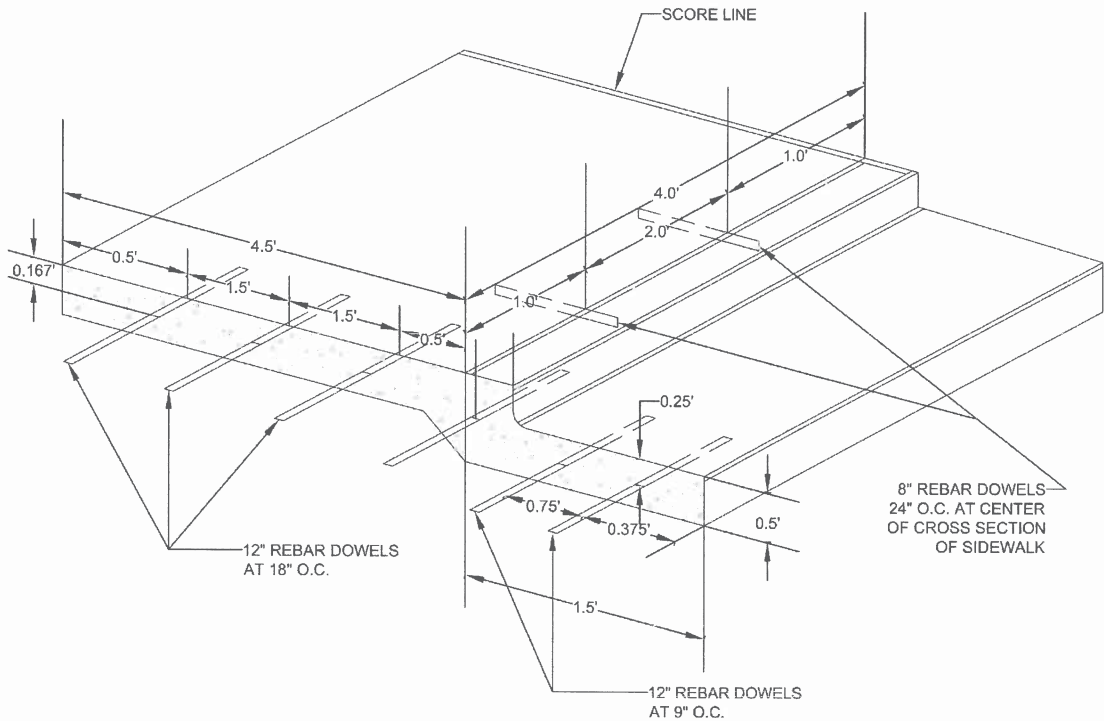
1. CONCRETE SHALL HAVE A BREAKING STRENGTH OF 3300 PSI AFTER 28 DAYS
2. CONTRACTION JOINTS:
A) TO BE PROVIDED:
-AT EACH POINT OF TANGENCY
-AT EACH COLD JOINT
-AT EACH SIDE OF INLET STRUCTURES
-AT BOTH SIDES OF AN APPROACH
B) SPACING TO BE NOT MORE THAN 15 FEET
C) THE DEPTH OF THE JOINT SHALL BE AT LEAST 1/3 OF THE THICKNESS OF CONCRETE
D) EXPANSION JOINTS SHALL NOT BE USED
3. BASE ROCK - 1-1/2"-0", 95% COMPACTION PER AASHTO T-180
ROCK SHALL BE TO SUBGRADE OF THE STREET SECTION OR 4" IN DEPTH, WHICHEVER IS GREATER
4. FULL DEPTH PREPARED ROCK SECTION SHALL EXTEND 1' HORIZONTALLY BEYOND BOTH SIDES OF CURB AND GUTTER
5. DRAINAGE BLOCK - 3" DIA. PLASTIC PIPE
A) DRAINAGE ACCESS THROUGH EXISTING CURBS SHALL BE DONE BY:
-CORE DRILLING
-VERTICAL SAWCUT OF CURB 24" EACH SIDE OF DRAIN AND RE-POURED TO FULL DEPTH OF CURB
6. STAMP TOP OF CURB WITH "W" AT WATER SERVICE CROSSING AND "S" AT SANITARY LATERAL CROSSING

TYPICAL CURBS



DATE: 2010
DRAWING NO. WL-501
FILE NO.

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CURB, GUTTER AND
SIDEWALK
DOWELING DETAIL



DATE: 2010
DRAWING NO. WL-511
FILE NO.



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EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Standard Details

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

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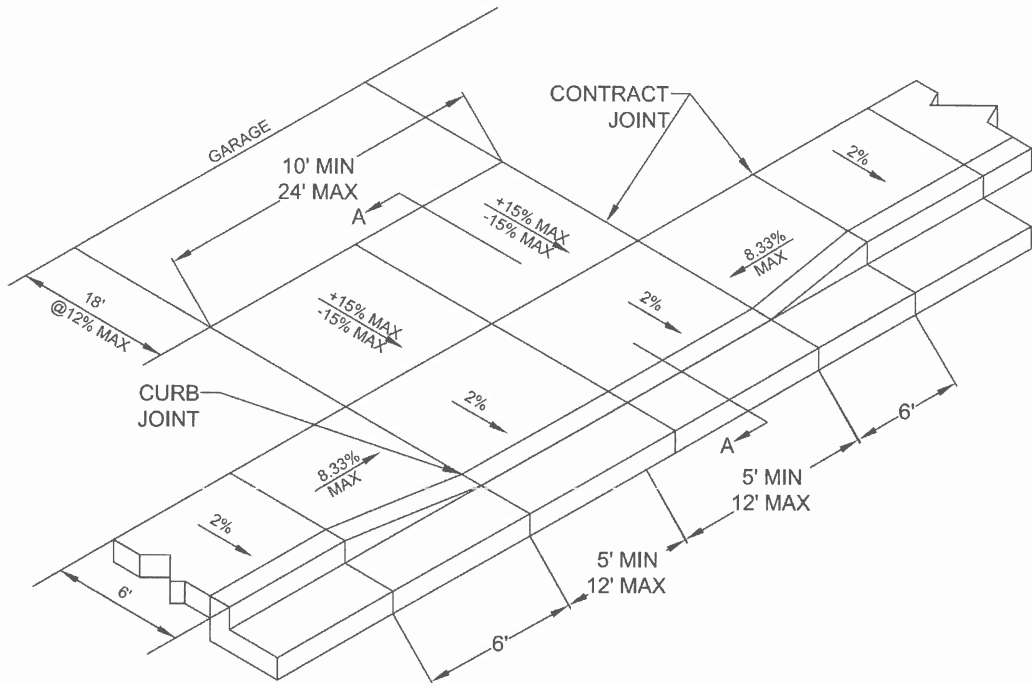
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DETAIL SHEET

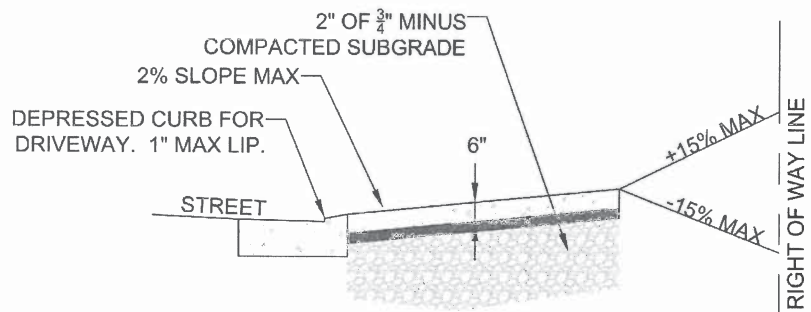
D2

37 OF 40

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SIDEWALK ADJACENT TO CURB



SECTION A-A

NOTE:

1. CONCRETE SHALL HAVE A MINIMUM BREAKING STRENGTH OF 3300 PSI AFTER 28 DAYS 6 SACK MIX
2. CURB SHALL BE TROWELED JOINT WITH MIN. 1/2" RADIUS ALONG BACK OF CURB
3. DRIVEWAY SHALL BE A MINIMUM 6" THICK
4. DRIVEWAY CURB CUT SHALL COMPLY WITH THE CONDITIONS OF 5.0070, "WIDTH AND LOCATION OF CURB CUTS"
5. FOR REPLACEMENT OF EXISITNG APPROACH:

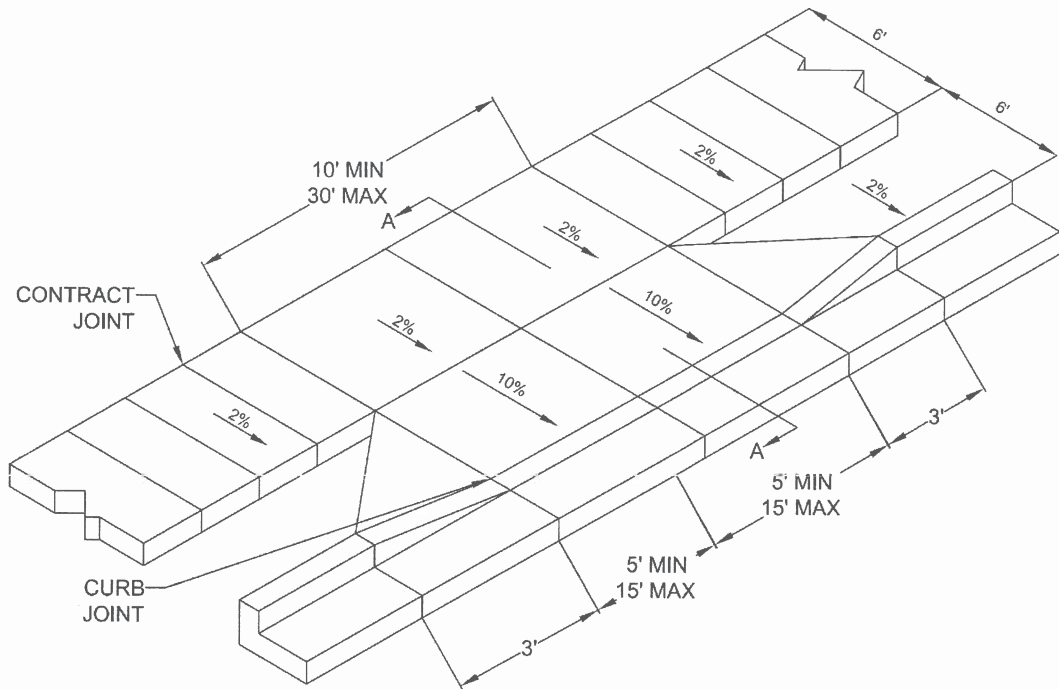
- A. MUST MEET CURRENT ADA REQUIREMENTS TO GREATEST DEGREE POSSIBLE
- B. DAMAGED ROADWAY MUST BE SAWCUT AND REPAVED WITH CLASS C HOT MIX ASPHALT

RESIDENTIAL DRIVEWAY
WITH
SIDEWALK ADJACENT TO CURB

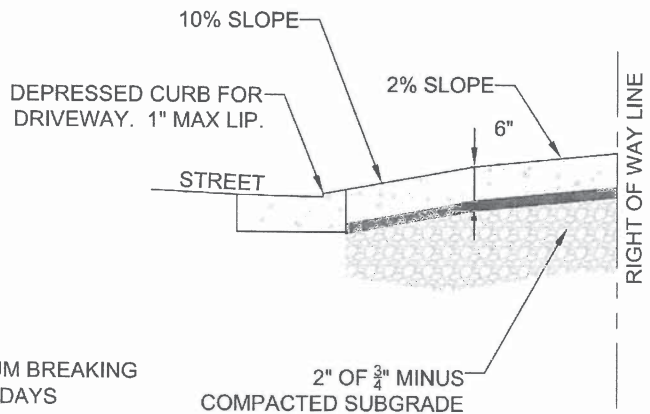


DATE: 2010
DRAWING NO. WL-503B
FILE NO.

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SIDEWALK AWAY FROM CURB



SECTION A-A

NOTE:

1. CONCRETE SHALL HAVE A MINIMUM BREAKING STRENGTH OF 3300 PSI AFTER 28 DAYS 6 SACK MIX
2. CURB SHALL BE TROWELED JOINT WITH MIN. 1/2" RADIUS ALONG BACK OF CURB
3. DRIVEWAY SHALL BE A MINIMUM 6" THICK
4. DRIVEWAY CURB CUT SHALL COMPLY WITH THE CONDITIONS OF 5.0070, "WIDTH AND LOCATION OF CURB CUTS"
5. FOR REPLACEMENT OF EXISITNG APPROACH:

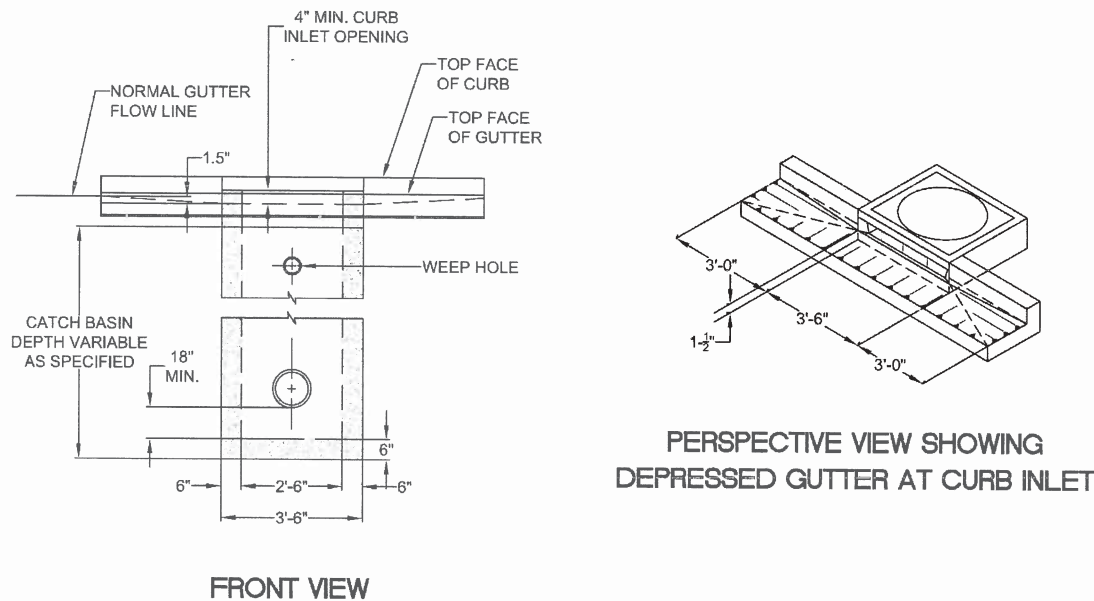
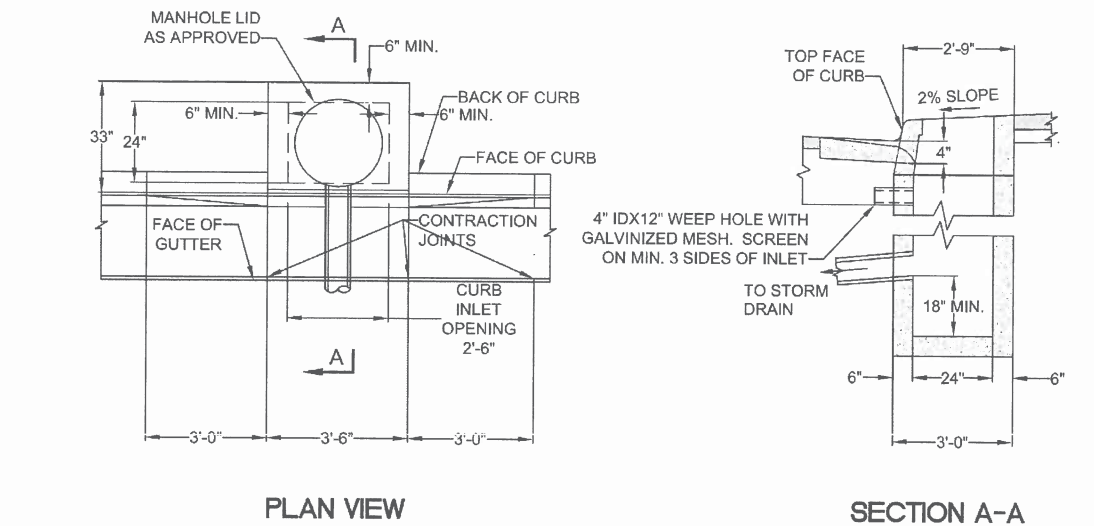
- A. MUST MEET CURRENT ADA REQUIREMENTS TO GREATEST DEGREE POSSIBLE.
- B. DAMAGED ROADWAY MUST BE SAWCUT AND REPAVED WITH CLASS C HOT MIX ASPHALT

RESIDENTIAL DRIVEWAY
WITH
SIDEWALK AWAY FROM CURB



DATE: 2010
DRAWING NO. WL-503A
FILE NO.

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NOTE:

1. ALL FABRICATED METAL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
2. CONCRETE STRENGTH SHALL BE 3300 PSI AT 28 DAYS.
3. CURB INLET BASE MAY BE PRECAST OR CAST-IN-PLACE.
4. FOR SLOPES OF 5% OR GREATER, USE DWG. WL-601.

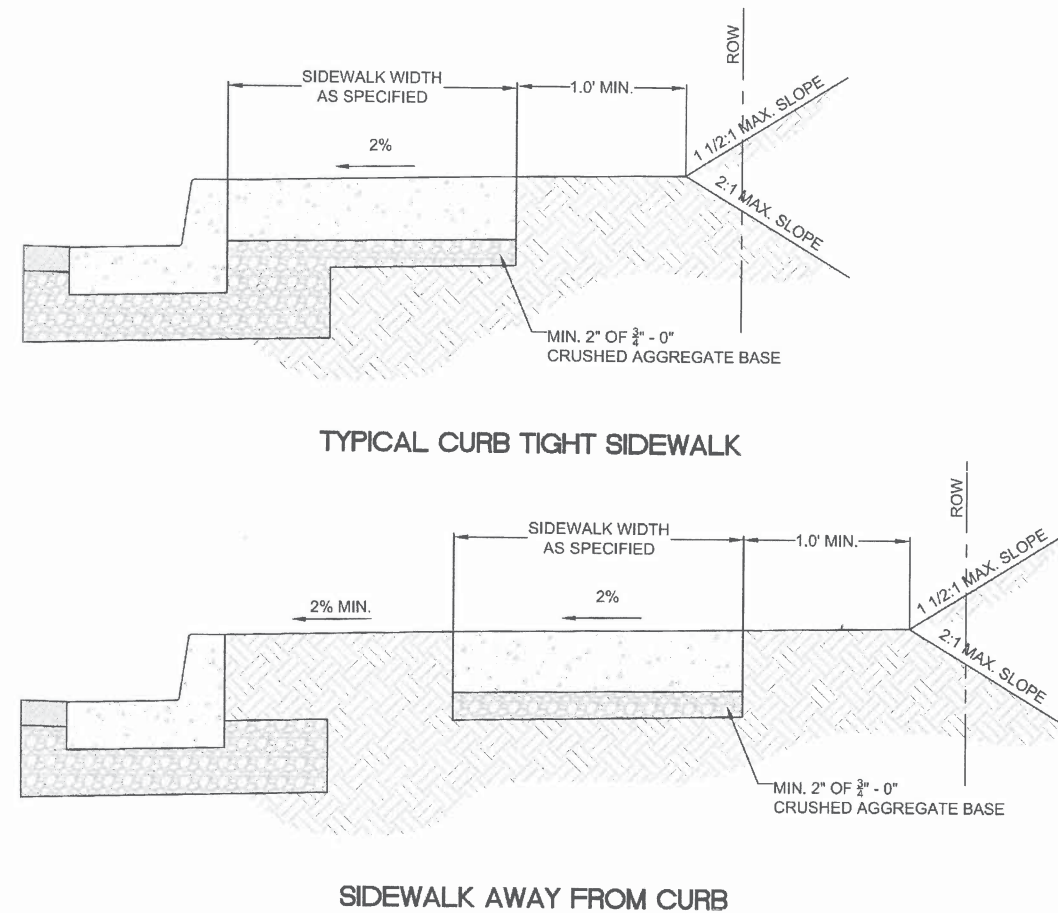
**GUTTER INLET
2 1/2 A**



CITY OF
**West
Linn**

DATE: 2010
DRAWING NO. WL-600
FILE NO.

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NOTE:

1. CONCRETE SHALL BE 3300 PSI AT 28 DAYS.
2. PANEL LENGTHS SHALL BE EQUAL TO THE SIDEWALK WIDTH, BUT MAY BE ADJUSTED WITH THE CITY ENGINEER'S APPROVAL.
3. CONTRACTION JOINTS (1/3RD OF THE THICKNESS OF CONCRETE) SHALL BE PLACED EVERY THIRD PANEL, WITH A MAX. SPACING OF 15 FEET. JOINTS SHALL ALSO BE PLACED AT THE SIDES OF DRIVEWAY APPROACHES, UTILITY VAULTS, AND WHEELCHAIR RAMPS.
4. A CURING COMPOUND SHALL BE USED. WHITE REFLECTIVE SHEETING SHALL BE USED IN CASE OF RAIN.
5. FOR SIDEWALKS ADJACENT TO THE CURB AND POURED AT THE SAME TIME AS THE CURB, THE JOINT BETWEEN THEM SHALL BE A TROWELED JOINT WITH A MIN. 1/2" RADIUS.
6. THE SIDEWALK SHALL HAVE A MIN. THICKNESS OF 6" IF THE SIDEWALK IS INTENDED AS A PORTION OF THE DRIVEWAY. OTHERWISE, THE SIDEWALK SHALL HAVE A MIN. THICKNESS OF 4".
7. DRAIN BLOCKOUTS IN THE CURB SHALL BE EXTENDED TO THE BACK OF THE SIDEWALK WITH A 3" DIAMETER PLASTIC PIPE AT A 2% SLOPE. A CONTRACTION JOINT SHALL BE PLACED OVER THE PIPE.

**CONCRETE SIDEWALK
CROSS SECTION**

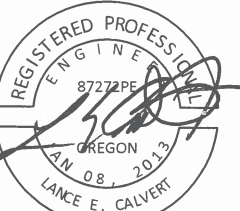


CITY OF
**West
Linn**

DATE: 2010
DRAWING NO. WL-508
FILE NO.



CITY OF WEST LINN
22500 SALAMO ROAD
WEST LINN, OR 97068
WESTLINN@OREGON.GOV
PHONE: (503) 722-5500
FAX: (503) 656-4106



EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Standard Details

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

REVISION

DATE	DESCRIPTION

DETAIL SHEET

D3

38 OF 40

REGISTERED PROFESSIONAL
ENGINEER
87272PE
OREGON
JAN 08, 2013
LANCE E. CALVERT
EXPIRES: 12/31/2019

VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

Standard Details

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

DATE	DESCRIPTION

D4

39 OF 40



CITY OF
West Linn

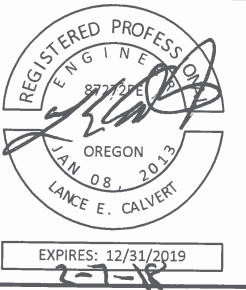
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DATE:	2010
DRAWING NO.	WL-605
FILE NO.	



CITY OF WEST LINN
22500 SALAMO ROAD
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PHONE: (503) 722-5500
FAX: (503) 656-4106



CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR STREET IMPROVEMENTS

Standard Details

PROJECT DATA

PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
DRAWN BY:	MPALMER
CHECKED BY:	ELAIS
DATE ISSUED:	2/7/18

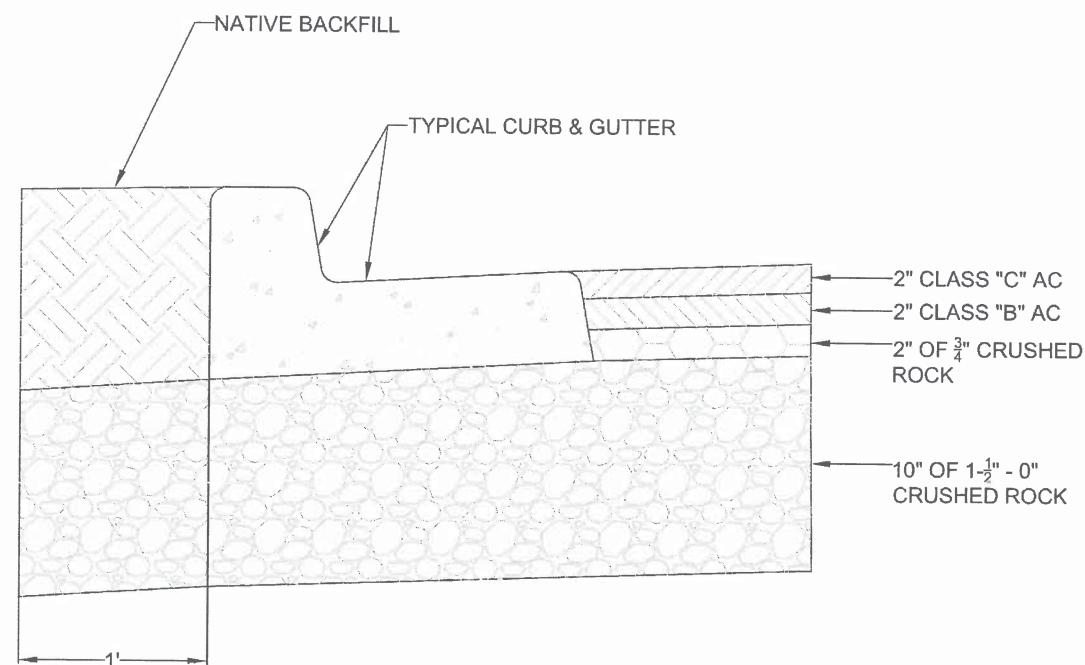
REVISION

DATE	DESCRIPTION

DETAIL SHEET

D5

40 OF 40



NOTE:

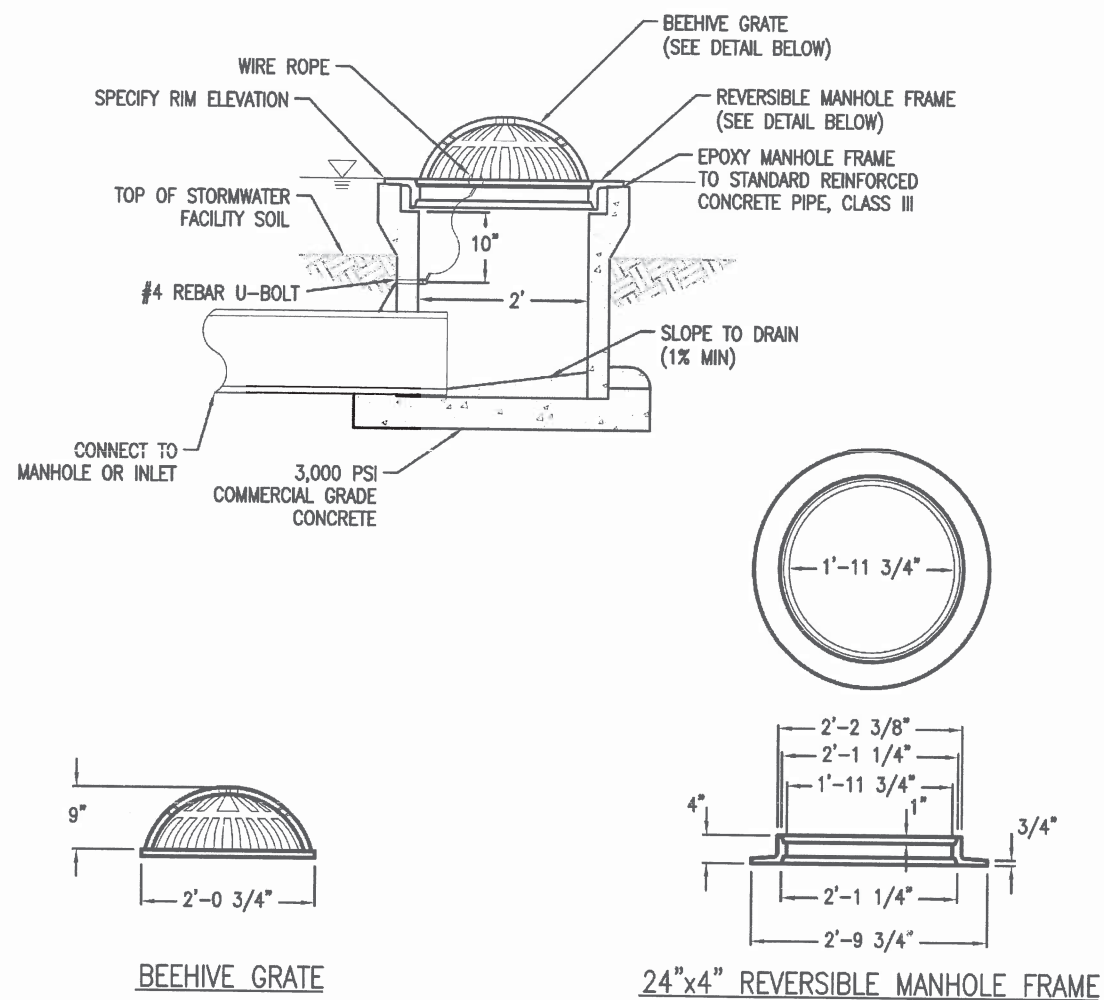
1. UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, STREETS SHALL BE PAVED TO FINAL GRADE USING 2 OR MORE LIFTS. FINAL LIFT SHALL BE PLACED ONLY AFTER ACCEPTANCE OF THE FIRST LIFT AT A TIME AS DIRECTED OR APPROVED BY THE CITY ENGINEER
2. BASE SHALL BE PREPARED 1 FOOT BEHIND CURB
3. SEE SECTION 5.0030 PAVEMENT DESIGN FOR ALL ROADWAYS CLASSIFIED COLLECTOR OR HIGHER

ALLEY, LOCAL AND NEIGHBORHOOD ROAD STRUCTURAL SECTIONS



West Linn

DATE:	2010
DRAWING NO.	WL-502
FILE NO.	



DESIGNER INFORMATION

1. If connecting to a combination sewer manhole installation of a "swing-check type backwater valve" or approved equal is required to prevent odor emissions.
2. Size inlet based on calculated flows & manufacturers recommendations.

CONSTRUCTION NOTES

1. Secure grate in place with 54" of wire rope. Loop ends of wire rope around U-bolt and grate. Crimp each end of wire rope with ferrule.
2. Drill 2" deep holes into pipe and epoxy #4 rebar U-bolt (2"x 4") in holes.
3. Grate to be cast iron, ASTM A48 CL30.
4. Beehive rim elevation to be 1" lower than sidewalk notches, top of planter wall, top of slope, outlet 'notch or upstream notch, whichever is lowest.
5. Wire rope between 1/8"-3/16" diameter, stainless steel, 7 strands of 19 wires.

- DRAWING NOT TO SCALE -

STORMWATER MANAGEMENT MANUAL TYPICAL DETAILS



Bureau of Environmental Services

- Green Streets -
Beehive Inlet Grate
Overflow Inlets



NUMBER

SW-350
7-1-2016

NOTE:
FINAL GRADE TO MATCH RIM ELEVATION