



CITY OF WEST LINN

VALLEY VIEW DR AND SUNCREST DR

STREET IMPROVEMENTS



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

Cover Sheet

PW-17-02

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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
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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).



REVISION	
DATE	DESCRIPTION

PROJECT DATA
PROJECT NO: PW-17-02
DESIGNED BY: LCALVERT
DRAWN BY: MPALMER
CHECKED BY: ELAIS
DATE ISSUED: 2/7/18
COVER SHEET
CS
 1 OF 40



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

PW-17-02



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General Notes

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NOTES SHEET
GN
2 OF 40

GENERAL NOTES:

- 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.
- 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.
- The City Engineer does not warrant any quantities shown on these plans. Quantities are estimates. Unit pricing to be used for all construction.
- 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.
- 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.
- 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.
- 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.
- 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.

TRAFFIC CONTROL GENERAL NOTES:

- No road closure shall be allowed without City Engineer's prior approval as delegated by the City Manager.
- 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

Engineering Division for review and acceptance a minimum of 48-hours prior to construction. A copy of the accepted Traffic Control Plan must remain on the job site at all times.

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

CONSTRUCTION NOTES:

- 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.
- The contractor is responsible for all construction surveying and construction staking for the project.
- 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.
- Contractor shall provide ingress and egress to residential driveways with limited delay.
- 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.
- Working Hours: 7:00 AM - 5:00 PM Monday - Friday
9:00 AM - 5:00 PM Saturday - Sunday & Holidays

ADDITIONAL NOTES:

- Contractor shall be responsible for all construction surveying and construction staking. Final grades as determined by City Engineer.
- All existing asphalt/concrete shall be sawcut for removal with no additional compensation.
- 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.
- 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.
- 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.
- 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.
- Contractor shall coordinate with City Water Division for any service shutdowns.

LEGEND:

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

GENERAL NOTE
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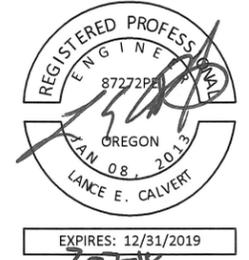
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VALLEY VIEW DR AND SUNCREST DR
STREET IMPROVEMENTS

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

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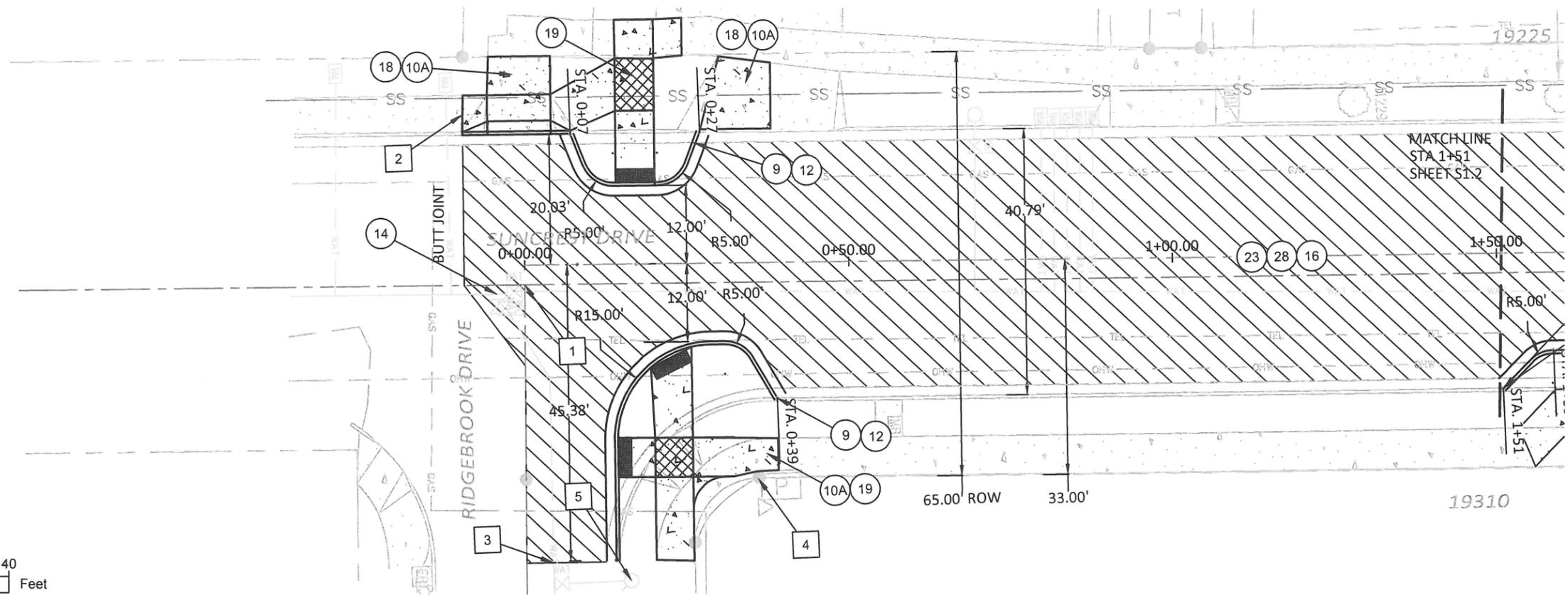
VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Suncrest Drive
 Sta. 0+00 to 1+51

PROJECT DATA	
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PLAN SHEET
S1.1
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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

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



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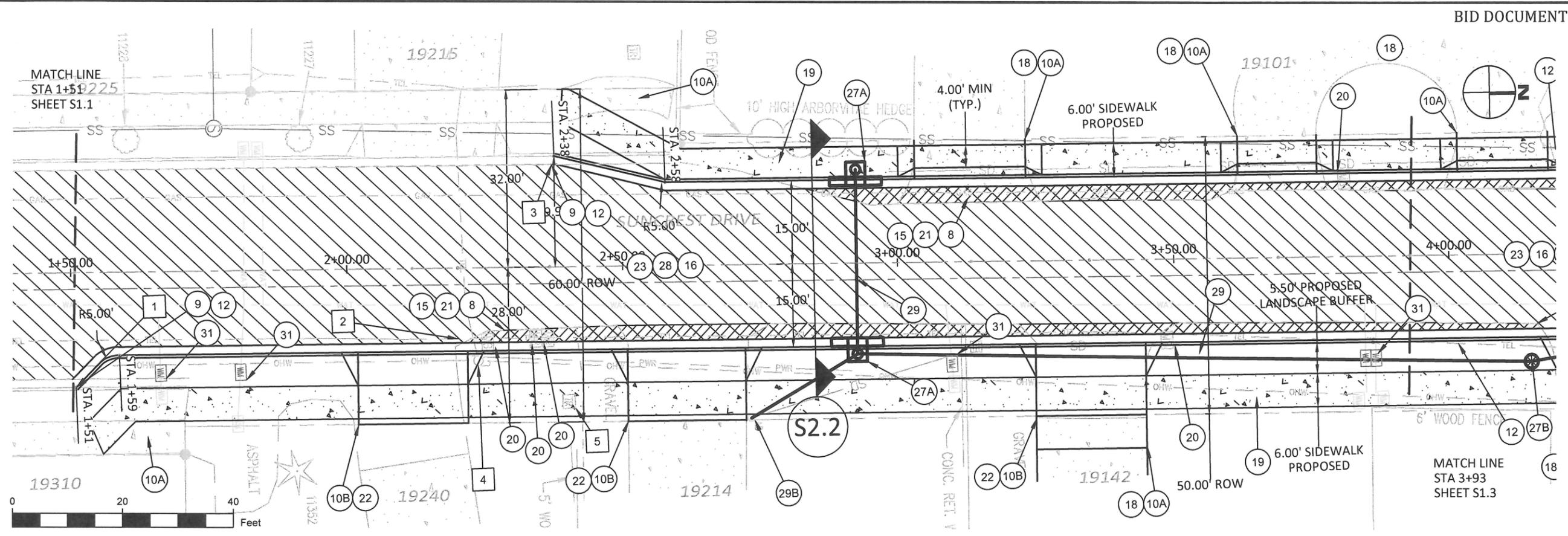
VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Suncrest Drive
 Sta. 1+51 to 3+93

PROJECT DATA	
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REVISION	
DATE	DESCRIPTION

PLAN SHEET
S1.2
 5 OF 40



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
- 2 CONTROL POINT: NW SURVEY WITH WASHER 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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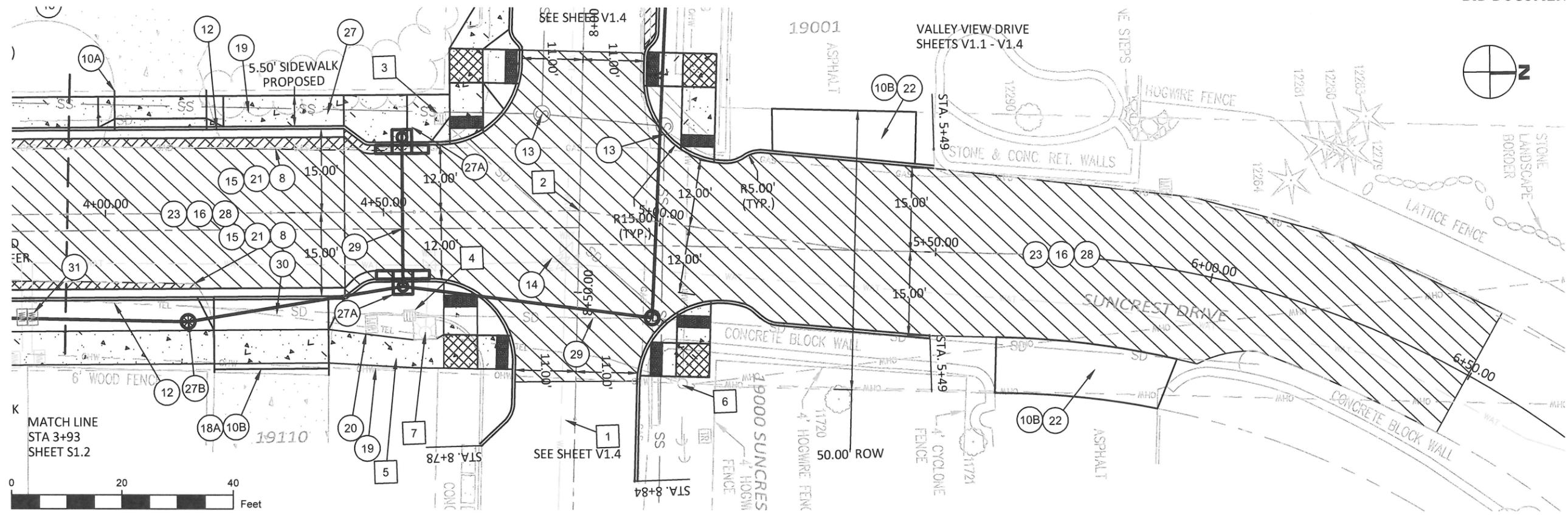
EXPIRES: 12/31/2019

CONTRACTOR TBD

**VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS**
**Suncrest Drive
 Sta. 3+93 to End**

PROJECT DATA	
PROJECT NO:	PW-17-02
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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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VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS
 Suncrest Drive
 Profile View

PROJECT DATA

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DESIGNED BY:	LCALVERT
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REVISION

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PROFILE SHEET

S2.1

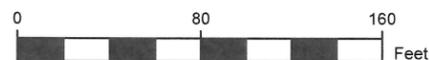
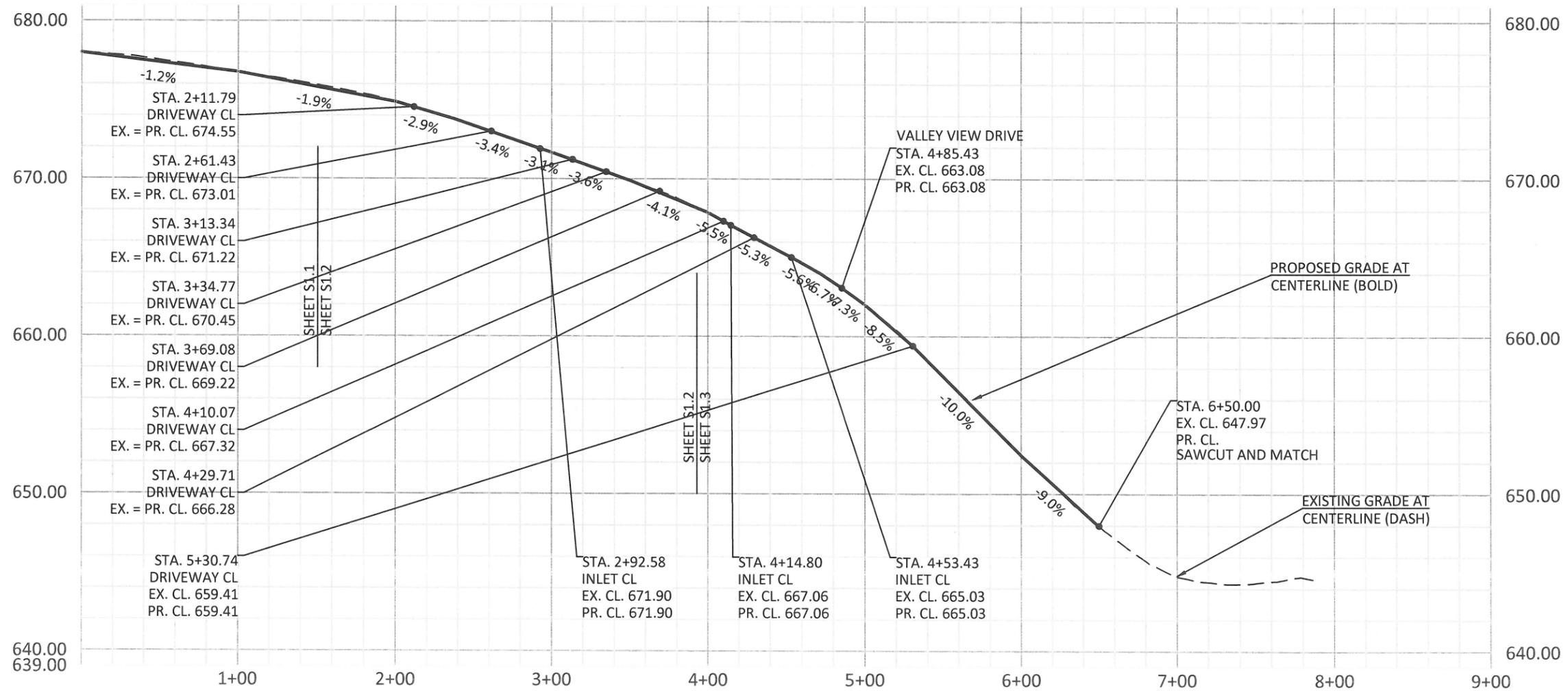
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NOTES

- 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	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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SAWCUT AND MATCH





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VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Suncrest Drive
 Cross-Section View

PROJECT DATA

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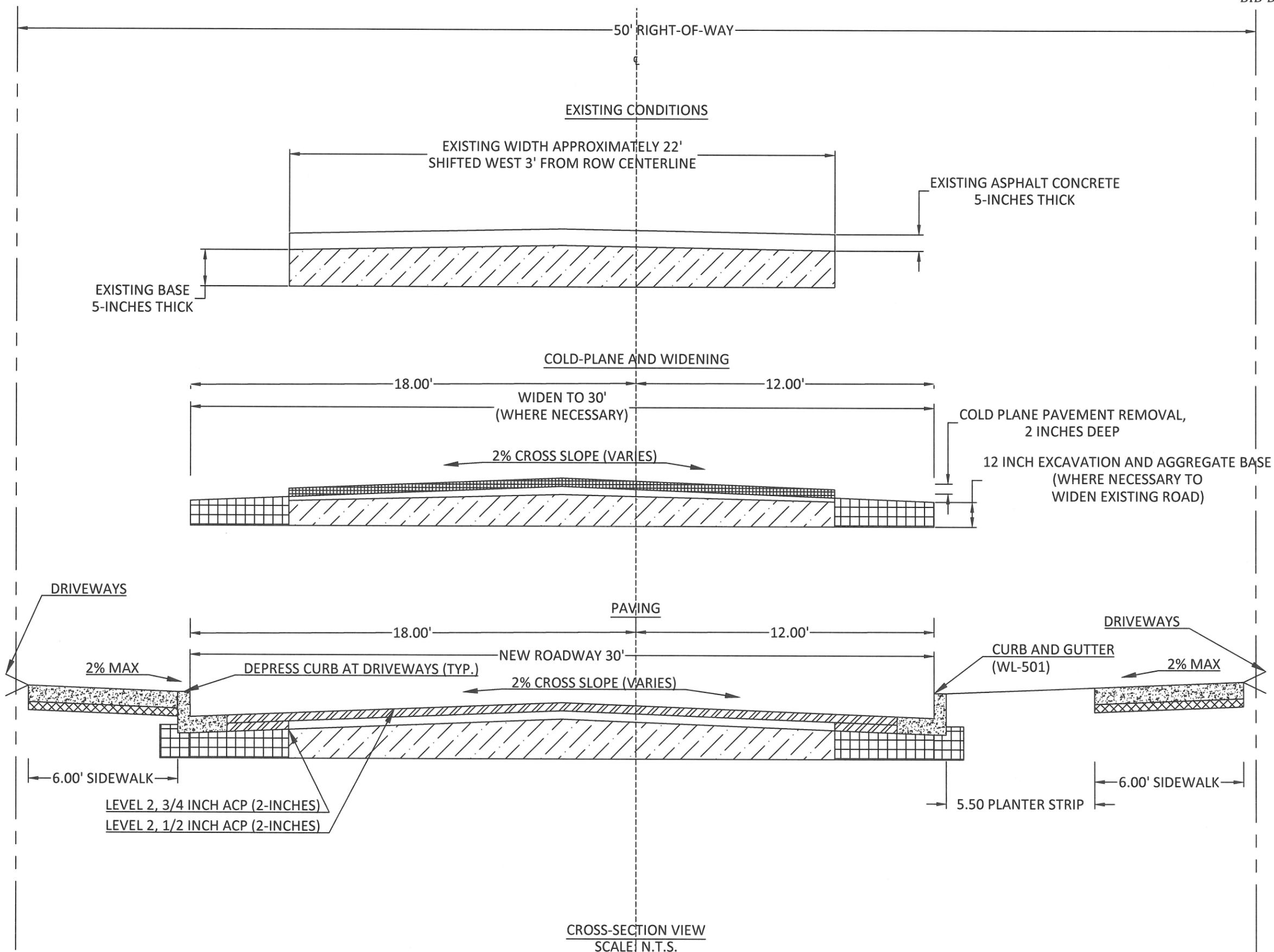
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SECTION SHEET

S2.2

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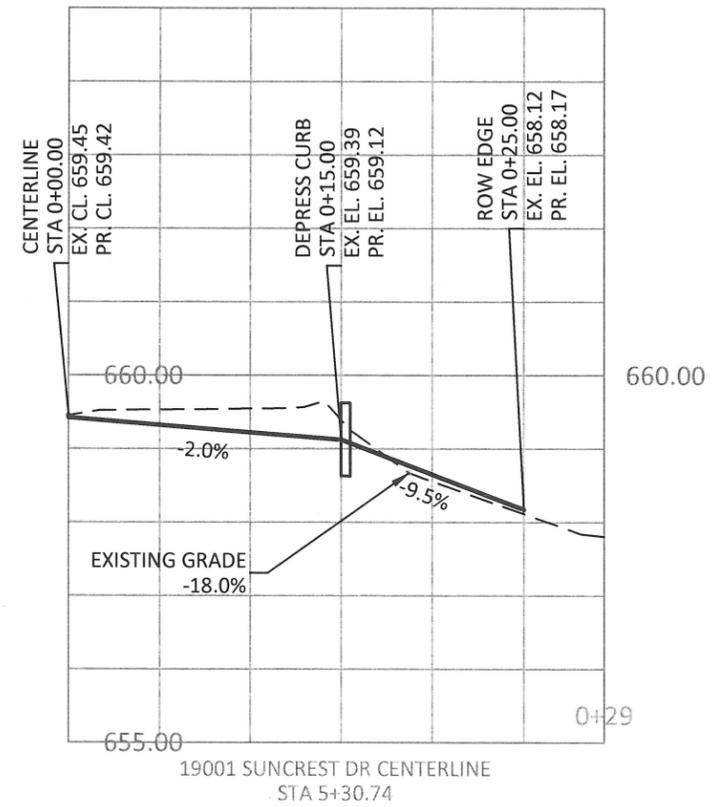
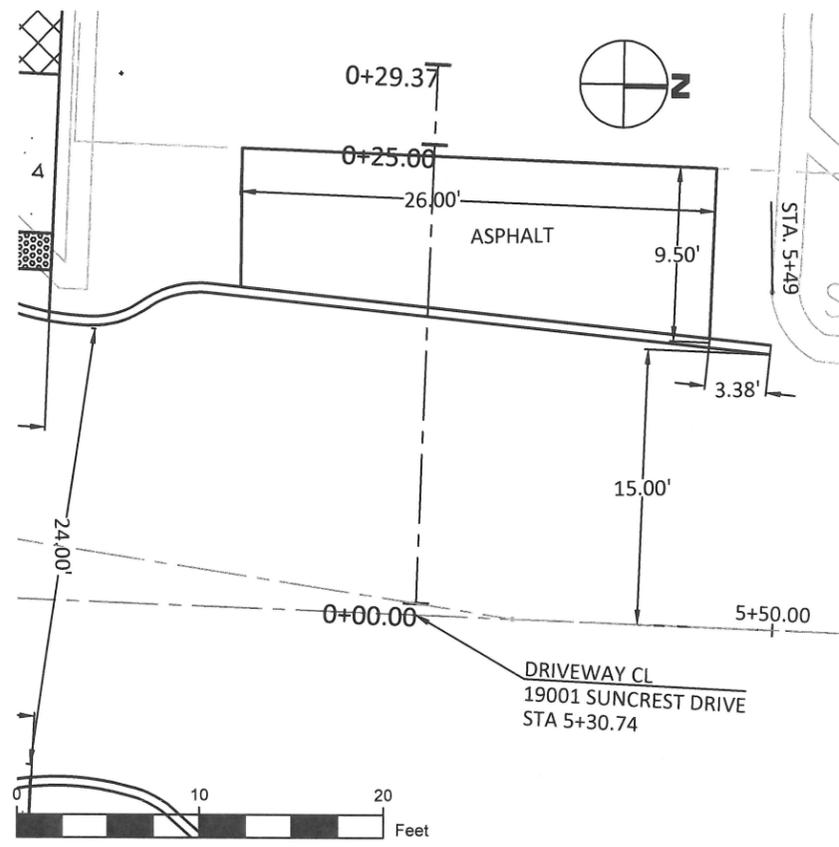
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 FAX: (503) 656-4106



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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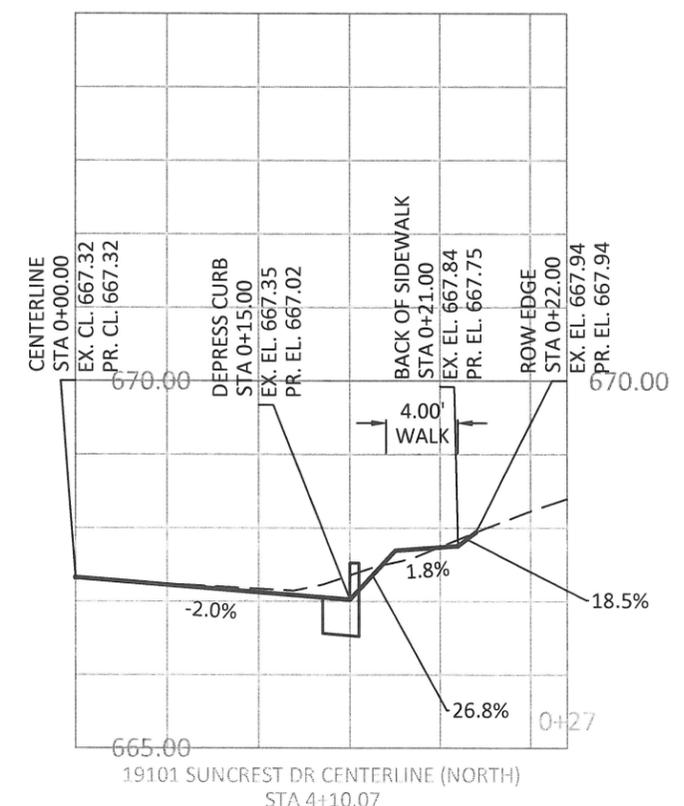
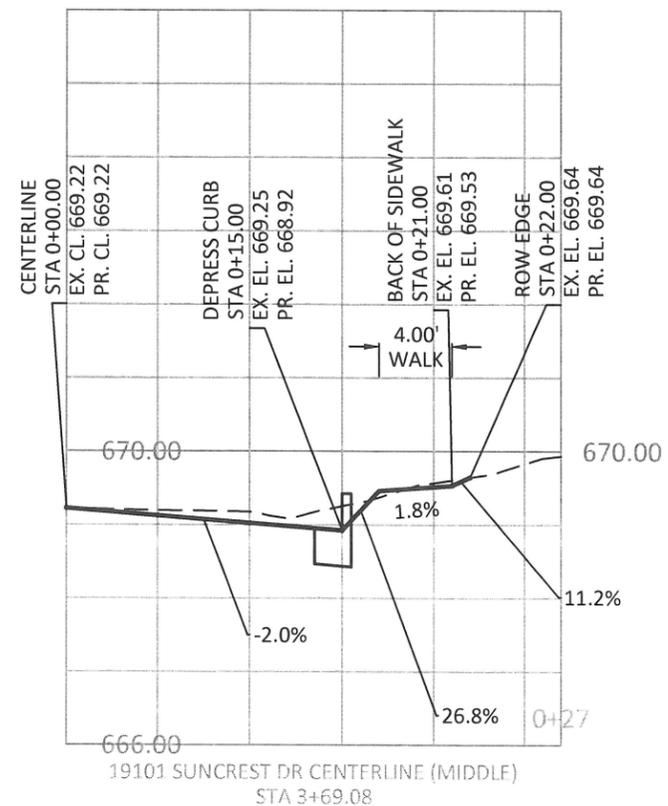
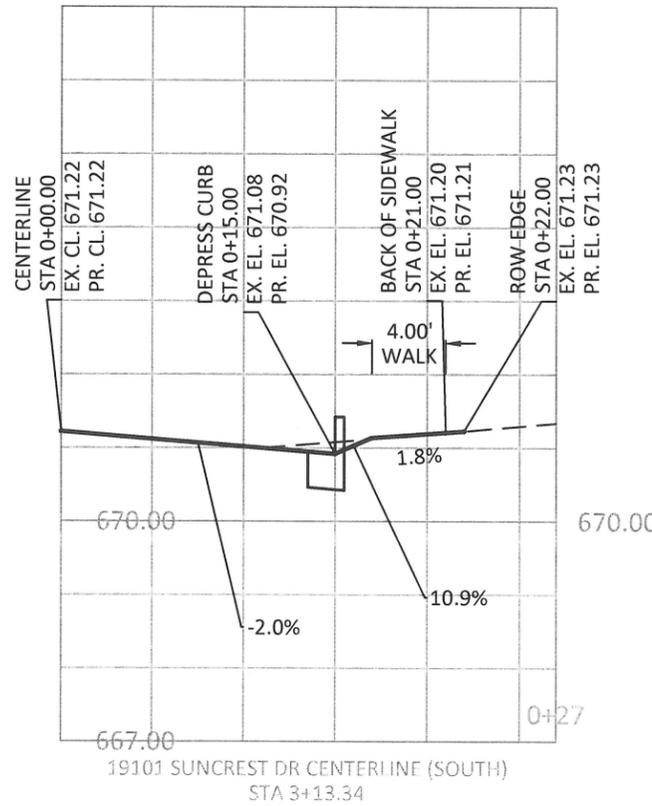
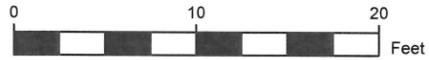
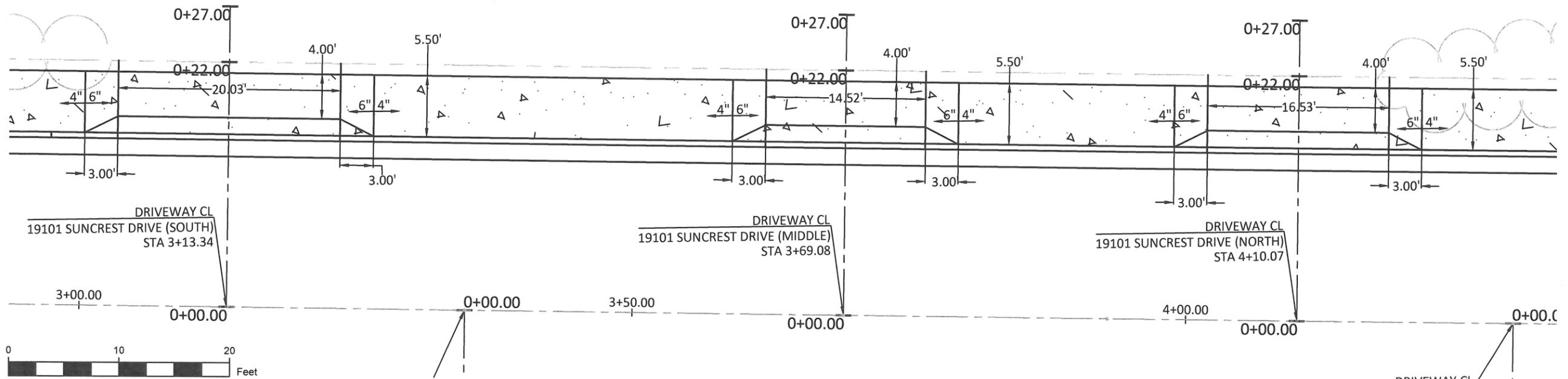
EXPIRES: 12/31/2019

CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Details
 19101 Suncrest Dr

19101



PROJECT DATA

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

DETAIL SHEET
S3.2
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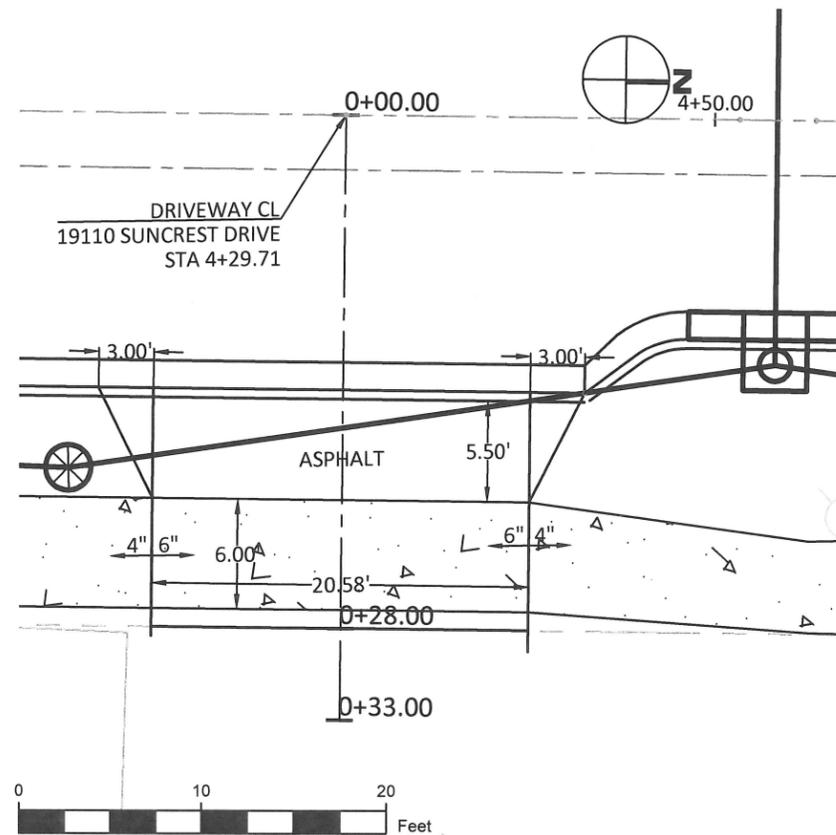
VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 19110 Suncrest Dr

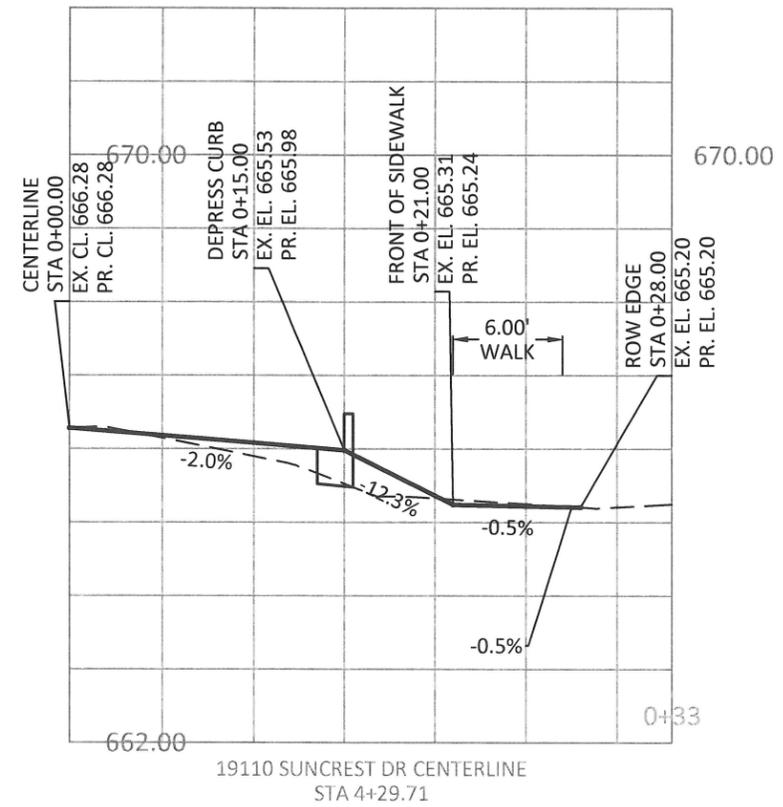
PROJECT DATA	
PROJECT NO:	PW-17-02
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DETAIL SHEET
S3.3
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SEE S4.1 FOR STORM DETAIL AND ELEVATIONS





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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
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CHECKED BY:	ELAIS
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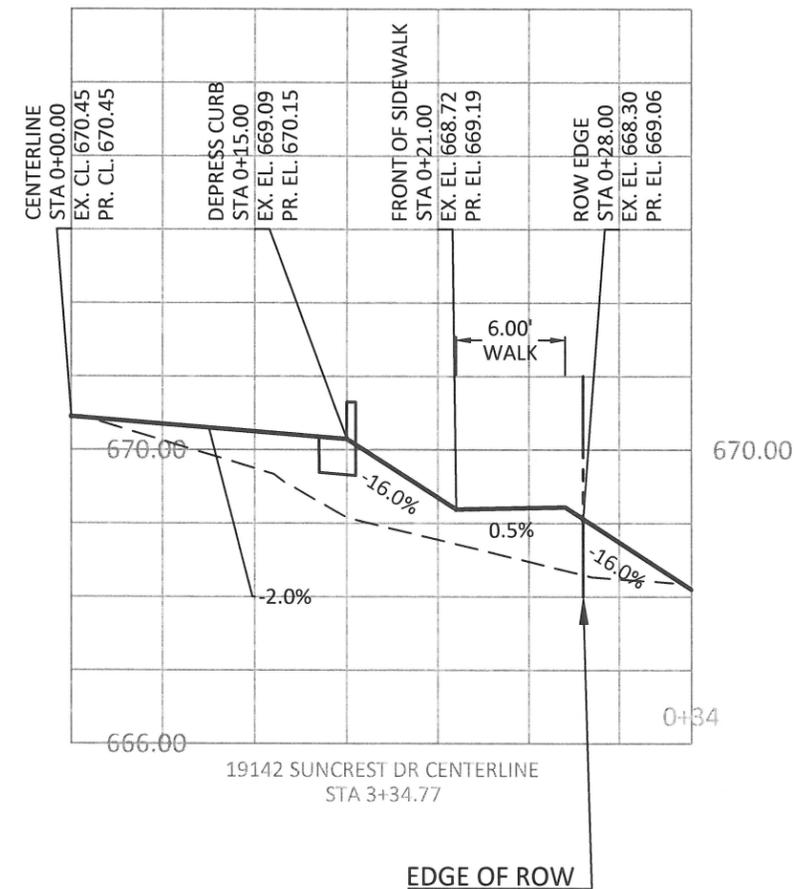
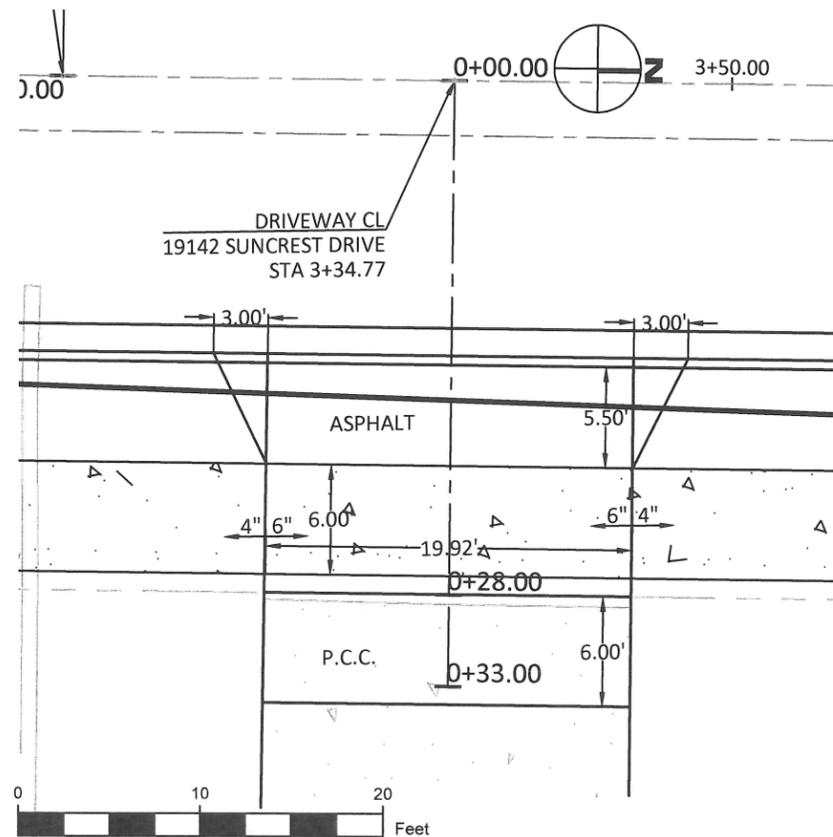
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DETAIL SHEET

S3.4

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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 19214 Suncrest Dr

PROJECT DATA

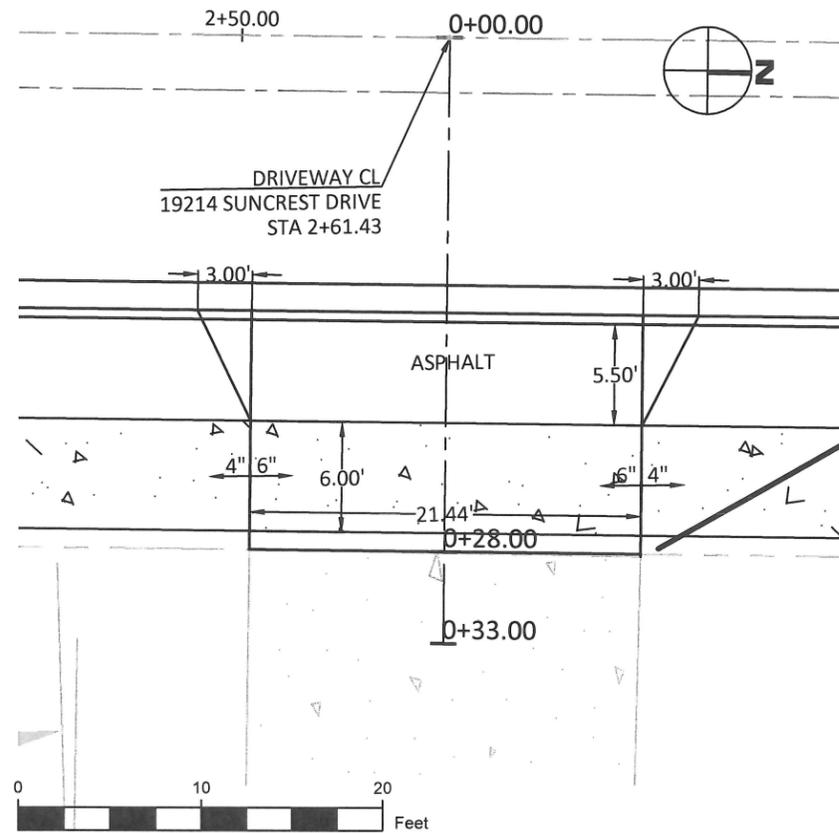
PROJECT NO:	PW-17-02
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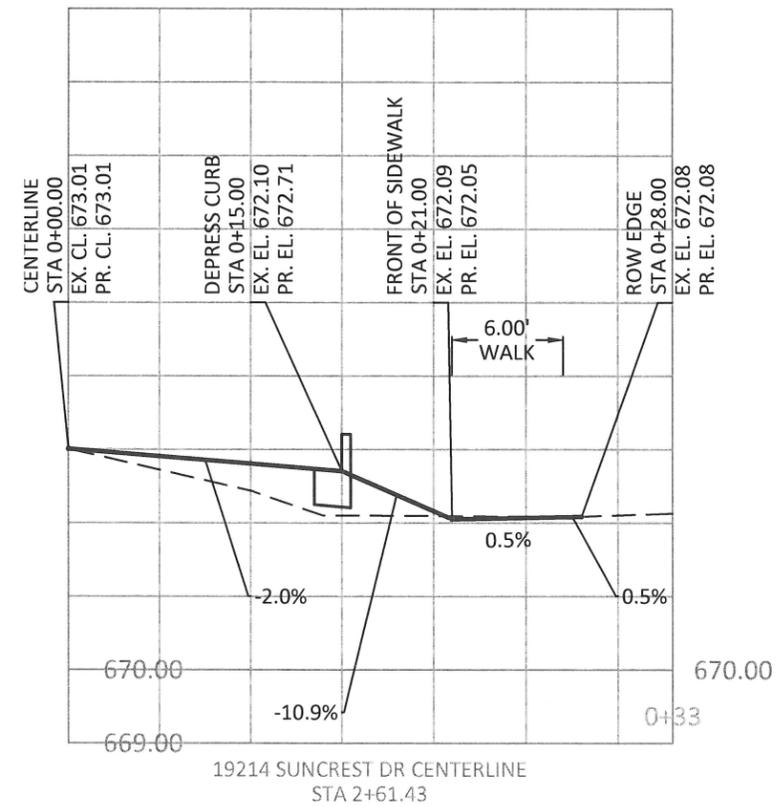
DATE	DESCRIPTION

DETAIL SHEET

S3.5



SEE S4.1 FOR STORM DETAIL AND ELEVATIONS





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 19240 Suncrest Dr

PROJECT DATA

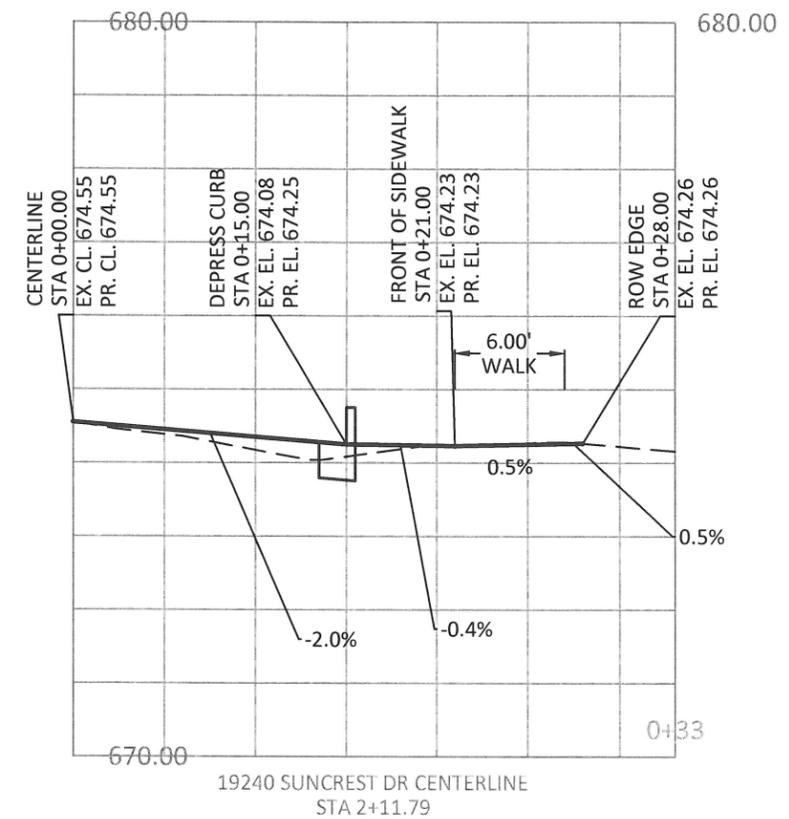
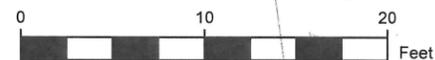
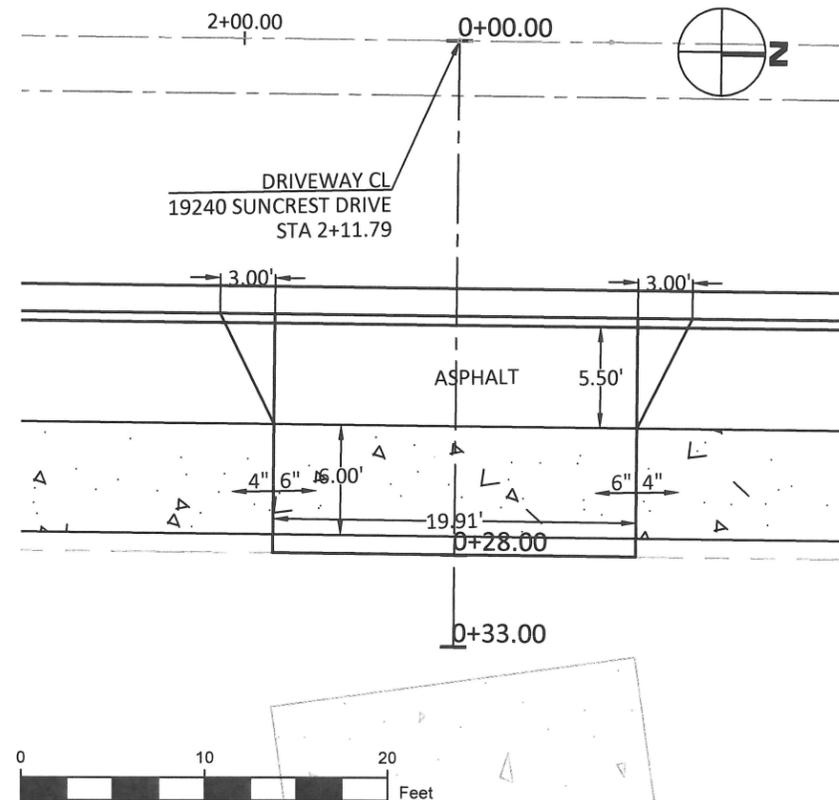
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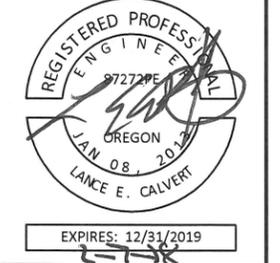
DETAIL SHEET

S3.6





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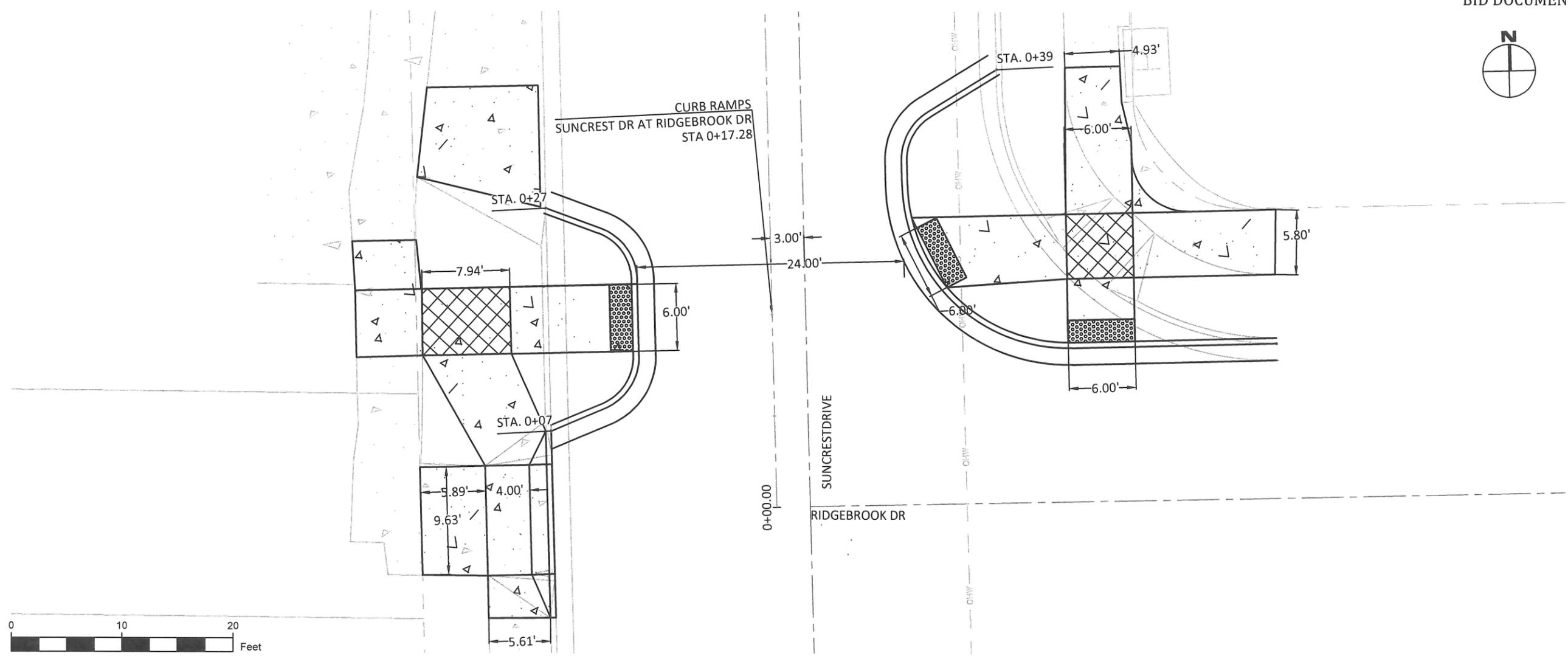
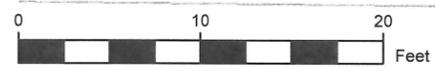
CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS
 Suncrest Dr (at Ridgebrook Dr)
 Curb Ramp Details

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

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DATE	DESCRIPTION

DETAIL SHEET
S3.7
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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

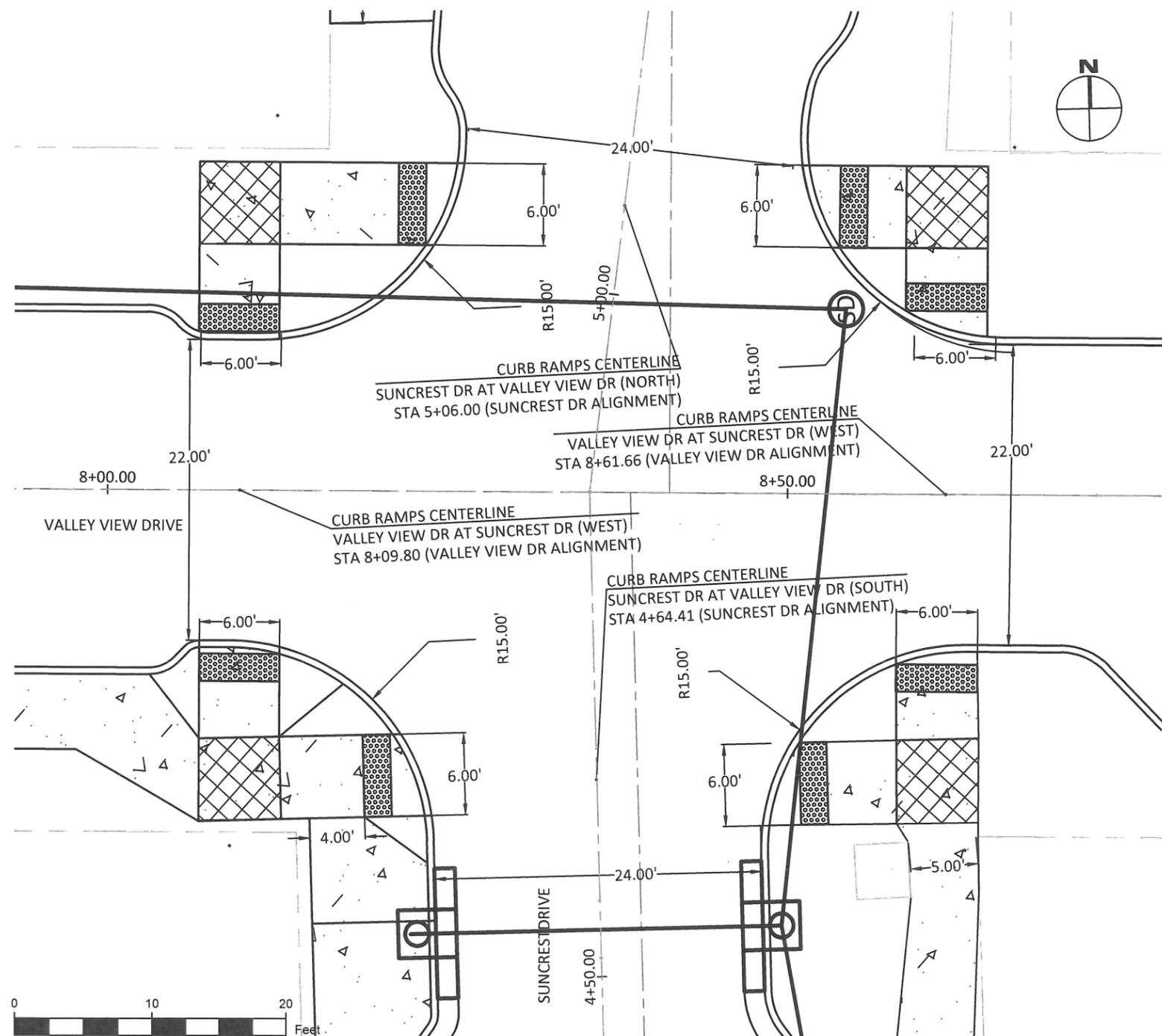
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DATE	DESCRIPTION

DETAIL SHEET

S3.8



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

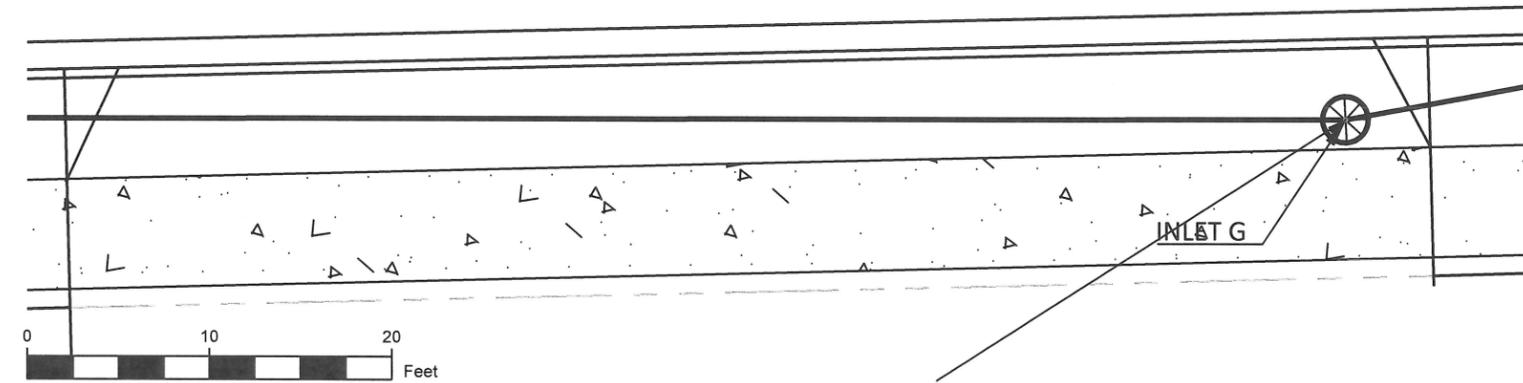
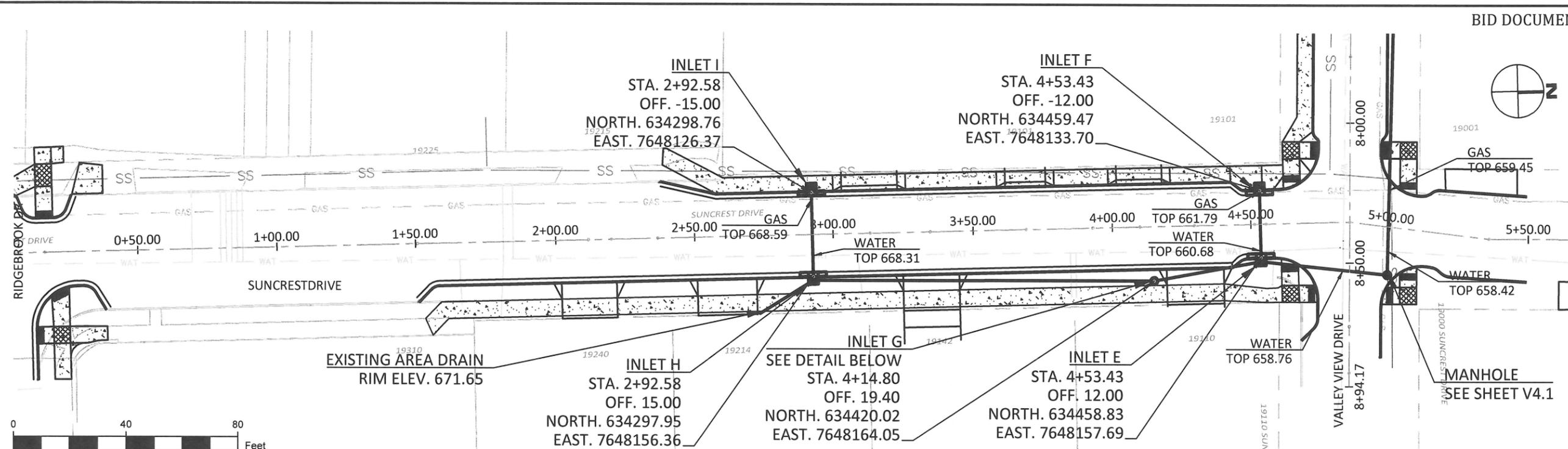
REVISION

DATE	DESCRIPTION

DETAIL SHEET

S4.1

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STORM PLANTER DETAIL

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

- INLET I - CURB INLET (WL-600)
 STA 2+92.58
 TOP OF CURB ELEV. 672.10
 INVERT ELEV. 669.80 (E)
- INLET H - CURB INLET (WL-600)
 STA 2+92.58
 TOP OF CURB ELEV. 672.10
 INVERT ELEV. 668.81 (W)
 INVERT ELEV. 668.81 (SE) CONNECT 4" PVC TO EXISTING AREA DRAIN
 INVERT ELEV. 668.36 (N)
- INLET G - BEEHIVE INLET
 STA 4+14.80
 TOP ELEV. 664.90
 RIM ELEV.
 INVERT ELEV. 661.10 (S)
 INVERT ELEV. 660.90 (N)
- INLET F - CURB INLET (WL-600)
 STA 4+53.43
 TOP OF CURB ELEV. 665.29
 INVERT ELEV. 662.29 (E)
- INLET E - CURB INLET (WL-600)
 STA 4+53.43
 TOP OF CURB ELEV. 665.29
 INVERT ELEV. 661.18 (W)
 INVERT ELEV. 660.12 (S)
 INVERT ELEV. 659.92 (N)

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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VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

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

PROJECT DATA

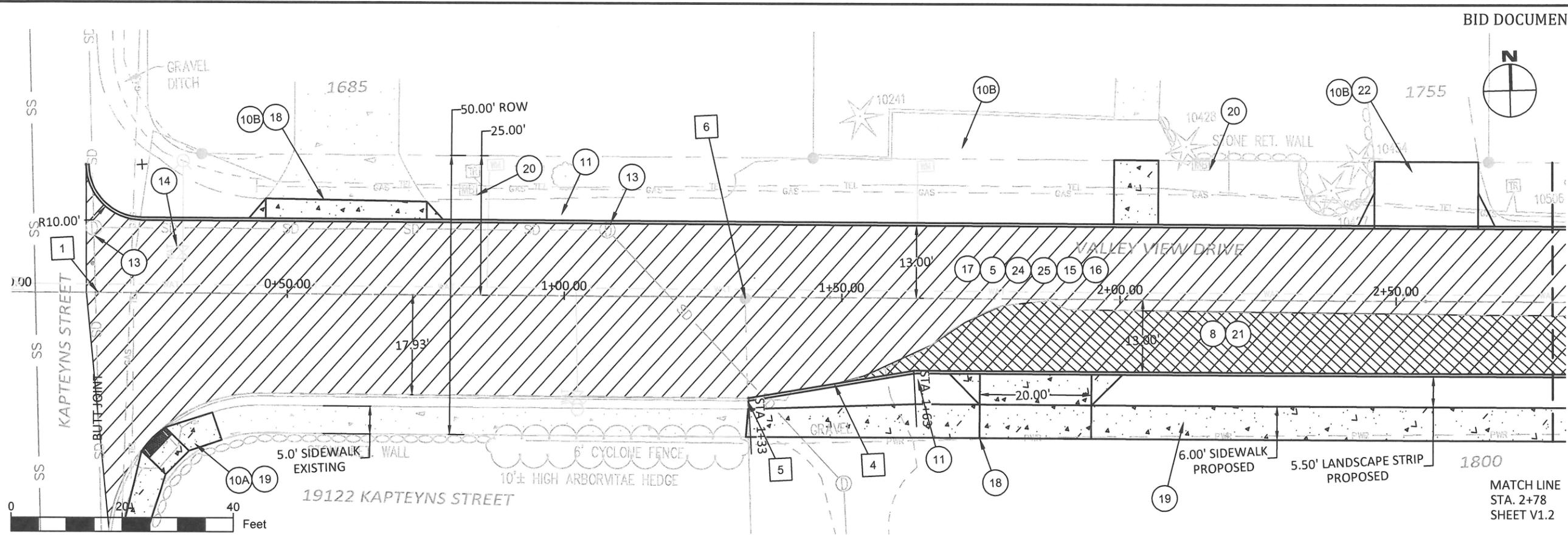
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DATE ISSUED:	2/7/18

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DATE	DESCRIPTION

PLAN SHEET

V1.1



ITEM NOTES

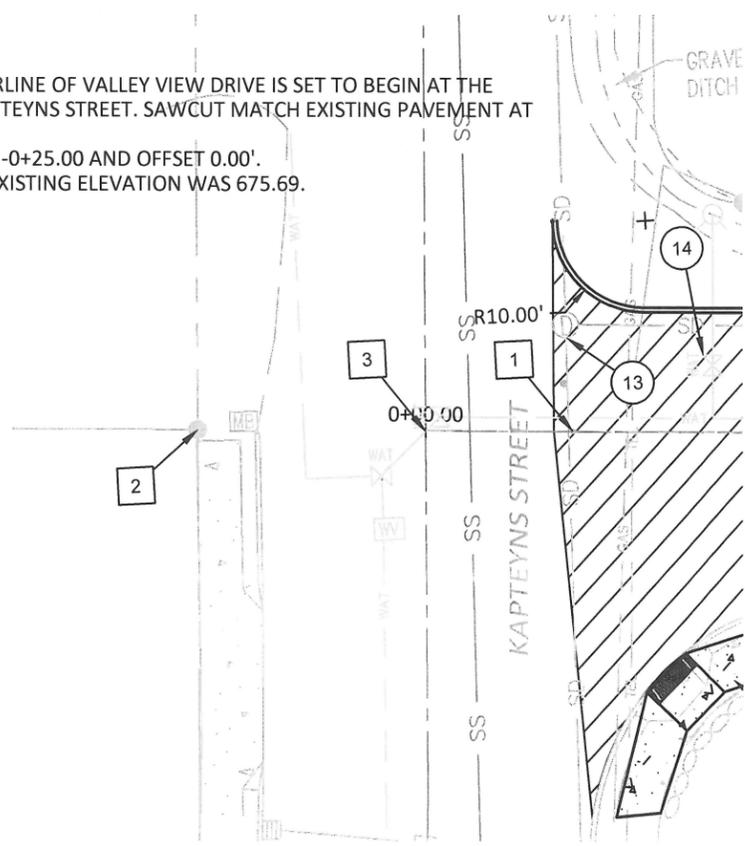
- 5 RECONDITION EXISTING ROADWAY.
- 8 EXCAVATE TO WIDEN ROADWAY.
- 10A REMOVE WALKS AND DRIVEWAYS (CONCRETE).
- 10B REMOVE WALKS AND DRIVEWAYS (ASPHALT).
- 11 INSTALL CONCRETE CURBS, STRAIGHT CURB (WL-501).
- 13 MINOR ADJUST MANHOLES.
- 14 ADJUST WATER BOXES.
- 15 PAVE LEVEL 2, 3/4 INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, 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 IN.

OTHER NOTES

- 1 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.
- 2 THIS PROPERTY CORNER WAS FOUND AT STA -0+25.00 AND OFFSET 0.00'.
- 3 A PK NAIL WAS PLACED AT STA 0+00.00. ITS EXISTING ELEVATION WAS 675.69.
- 4 CONTROL POINT: OTAK NAIL
 STA 1+47.92
 OFFSET 14.44' SOUTH OF CENTERLINE
 EXISTING ELEVATION 671.62
- 5 MATCH EXISTING CURB ELEVATION
 STA 1+32.50
 OFFSET 17.93' SOUTH OF CENTERLINE
 EXISTING TOP OF CURB ELEVATION 672.39
- 6 FOUND 3/8" IRON ROD
 STA 1+32.50
 OFFSET 0.00' FROM CENTERLINE
 EXISTING ELEVATION 672.38

Valley View Drive - Sequencing of Construction

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





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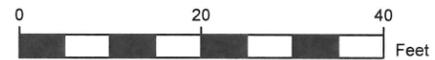
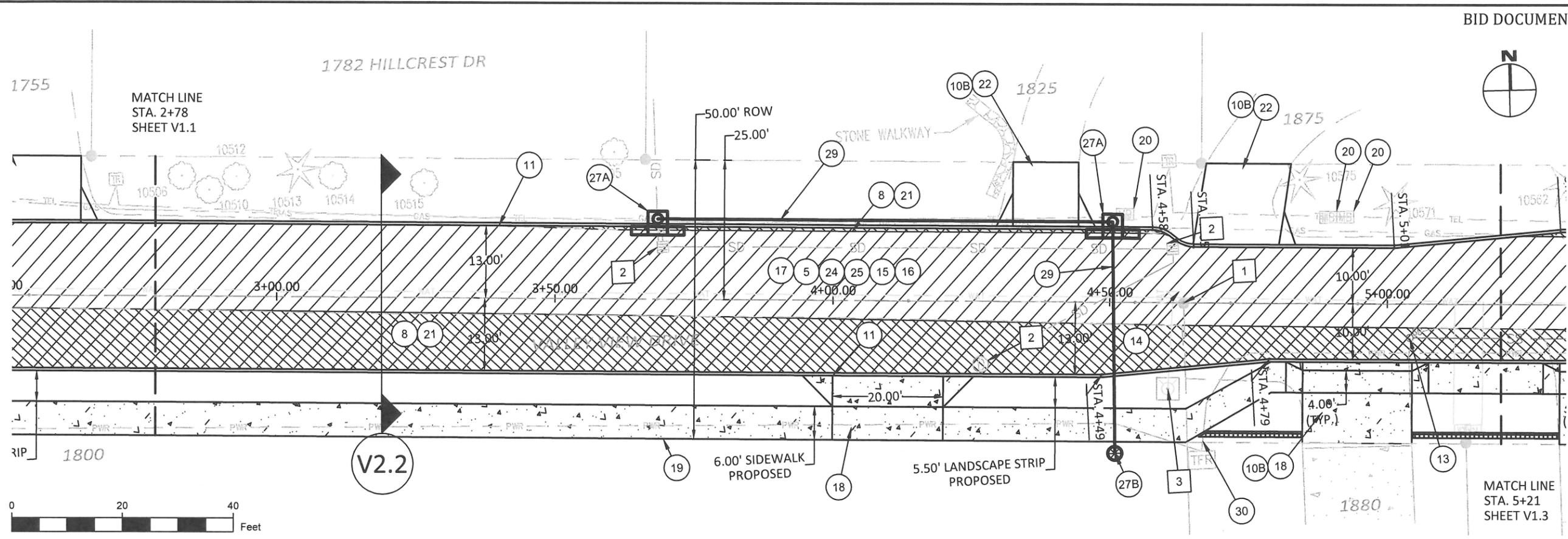
VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

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

PROJECT DATA	
PROJECT NO:	PW-17-02
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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, 3/4 INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, 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 3/8" 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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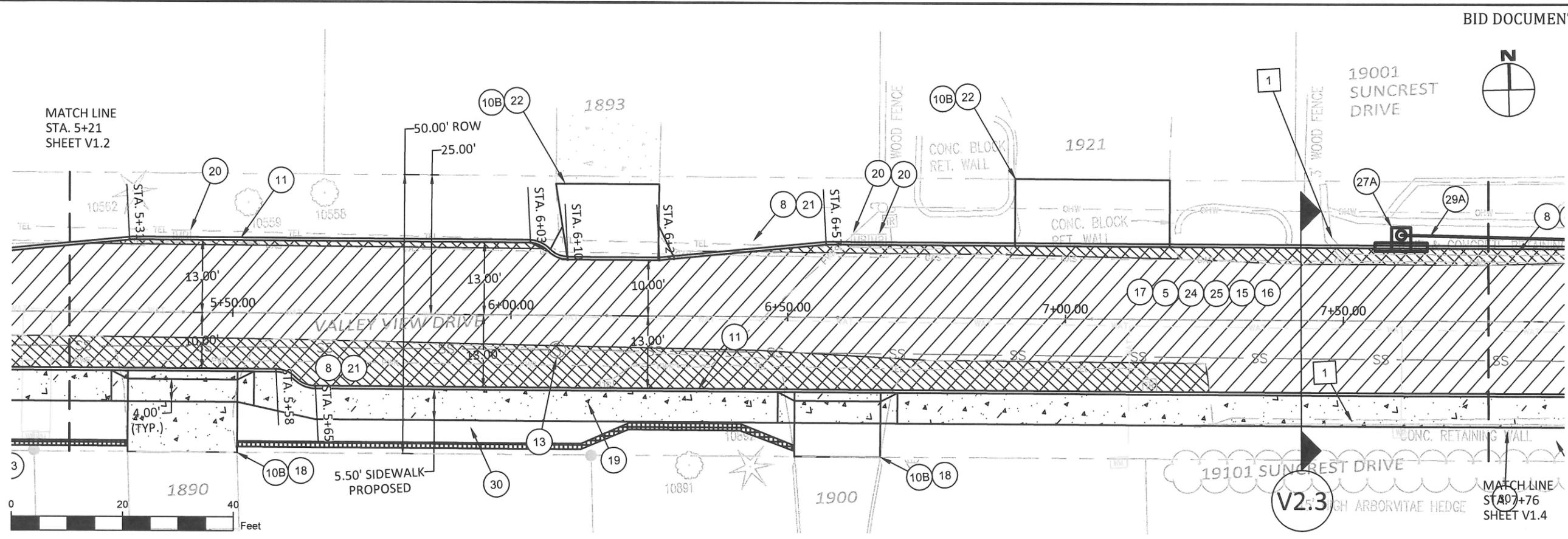
CONTRACTOR TBD

**VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS**
 Valley View Drive
 Sta. 5+21 to 7+76

PROJECT DATA	
PROJECT NO:	PW-17-02
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PLAN SHEET
V1.3
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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, 3/4 INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, 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.

V2.3



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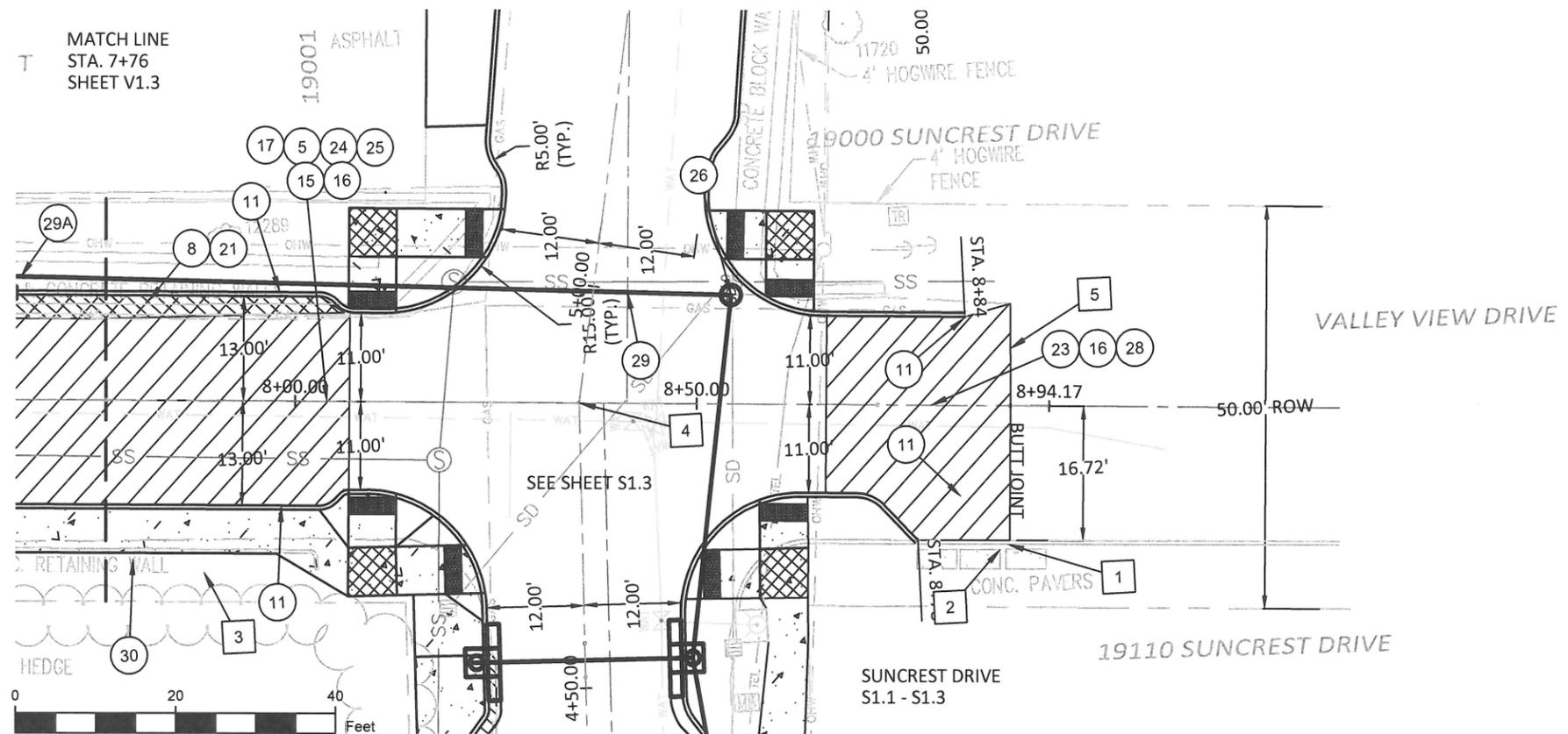
VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Valley View Drive
 Sta. 7+76 to End

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PLAN SHEET
V1.4
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MATCH LINE
 STA. 7+76
 SHEET V1.3



ITEM NOTES

- 5 RECONDITION EXISTING ROADWAY.
- 8 EXCAVATE TO WIDEN ROADWAY.
- 11 INSTALL CONCRETE CURBS, STRAIGHT CURB (WL-501).
- 15 PAVE LEVEL 2, 3/4 INCH ACP OVER ENTIRE ROADWAY.
- 16 PAVE LEVEL 2, 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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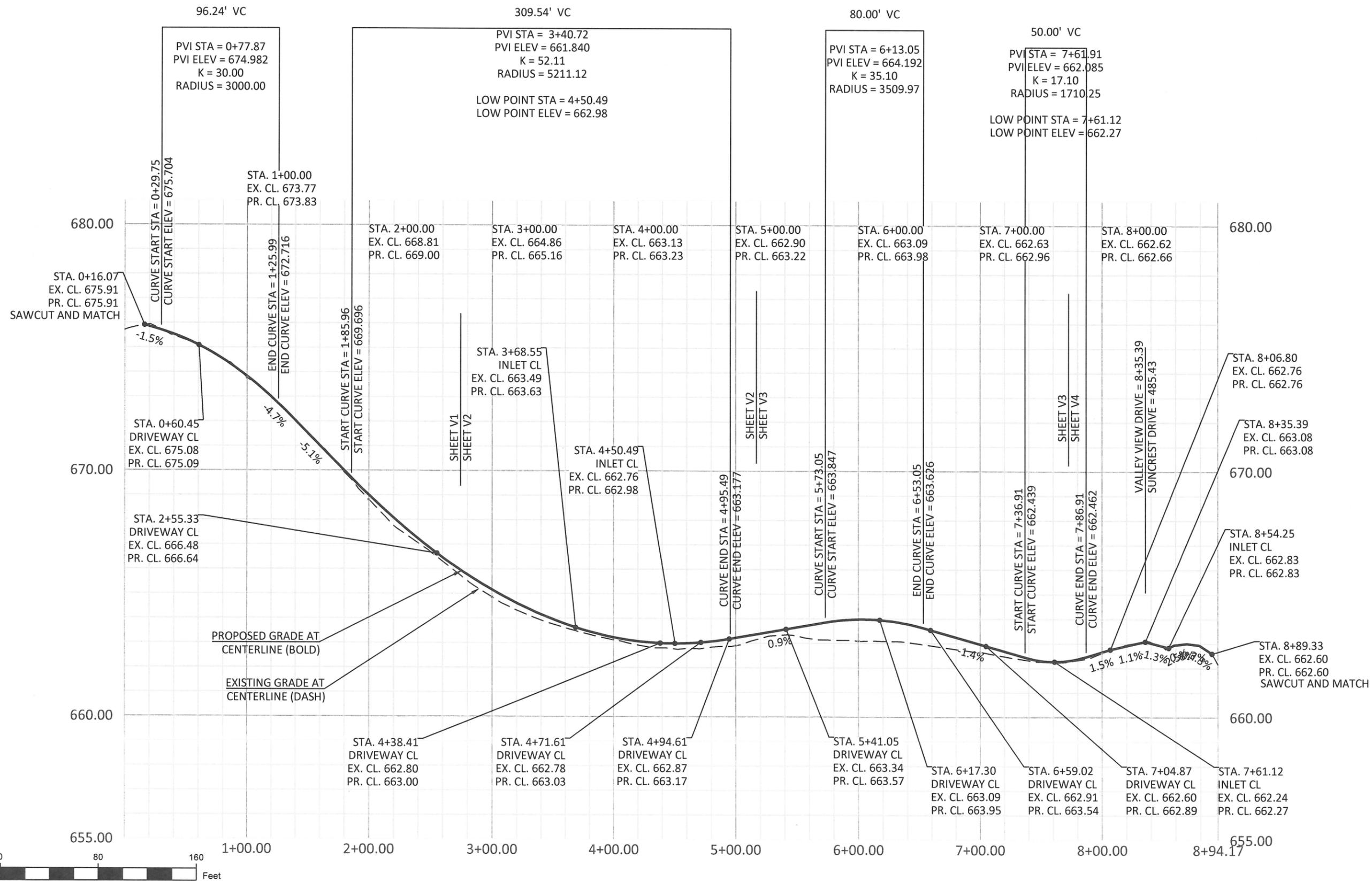


EXPIRES: 12/31/2019

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
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DATE	DESCRIPTION

PROFILE SHEET
V2.1
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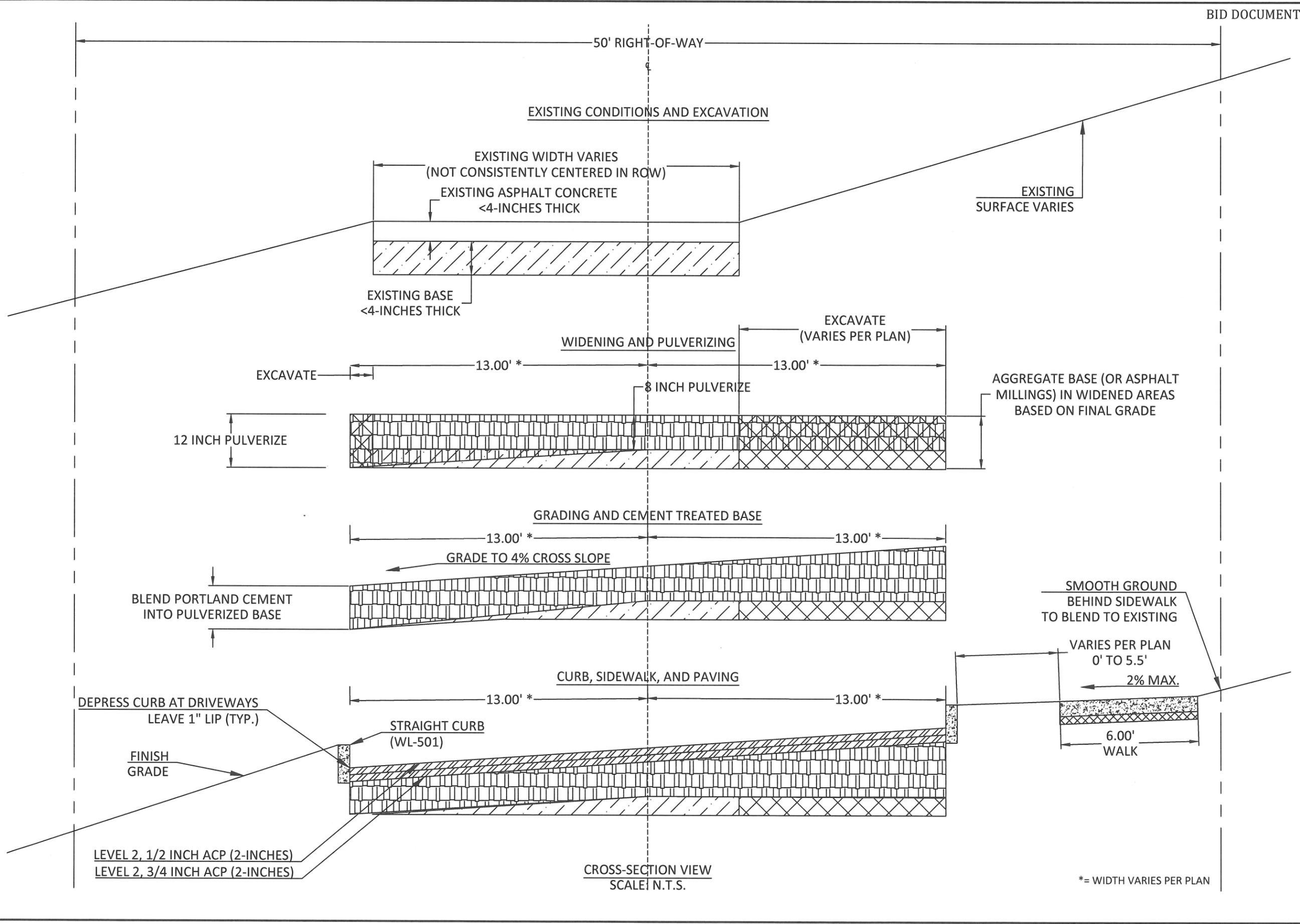
CONTRACTOR TBD

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

PROJECT DATA	
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SECTION SHEET
V2.2
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*= WIDTH VARIES PER PLAN



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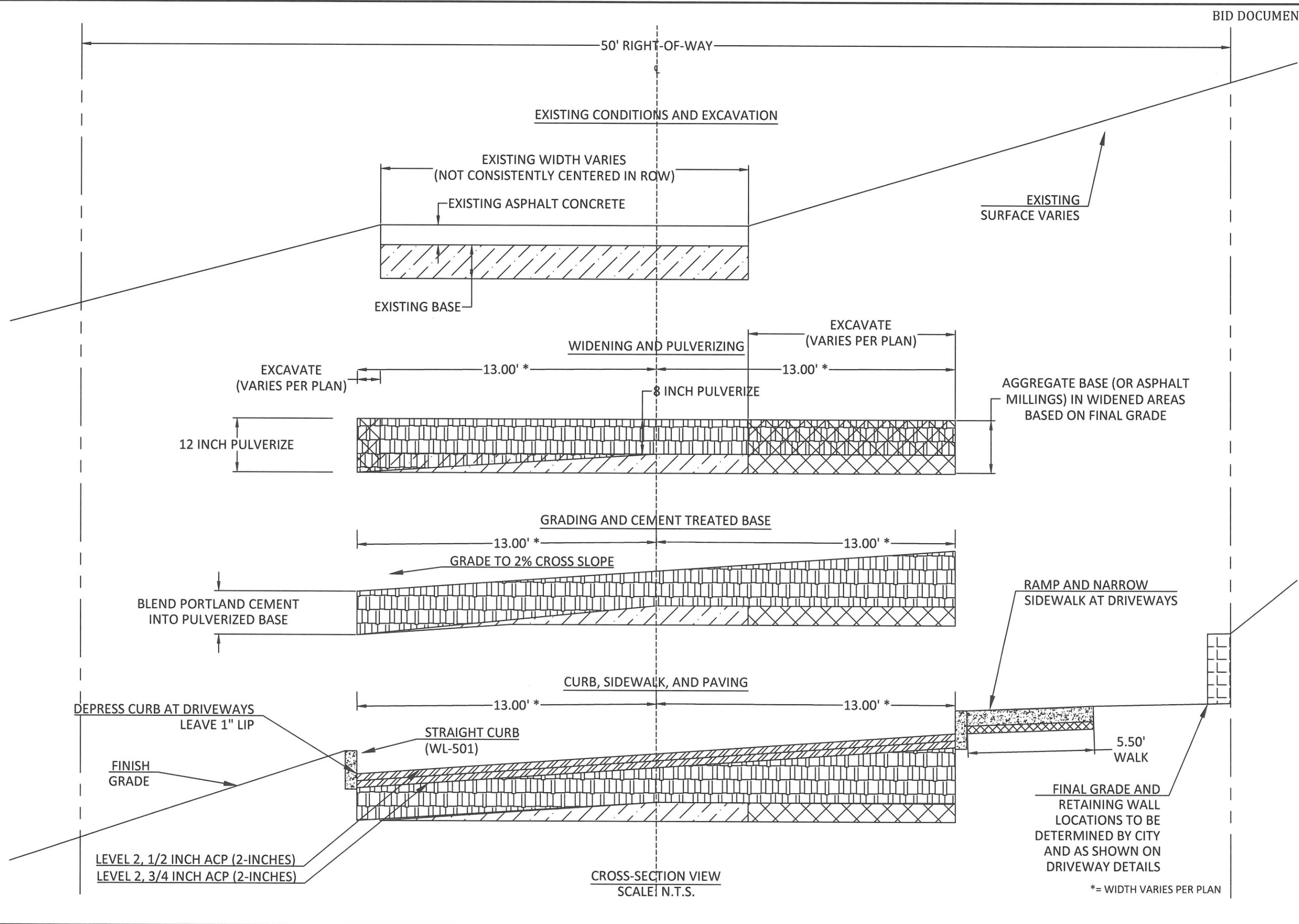
CONTRACTOR TBD

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

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SECTION SHEET
V2.3
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CROSS-SECTION VIEW
 SCALE: N.T.S.

*= WIDTH VARIES PER PLAN



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 1685 Valley View Dr

PROJECT DATA

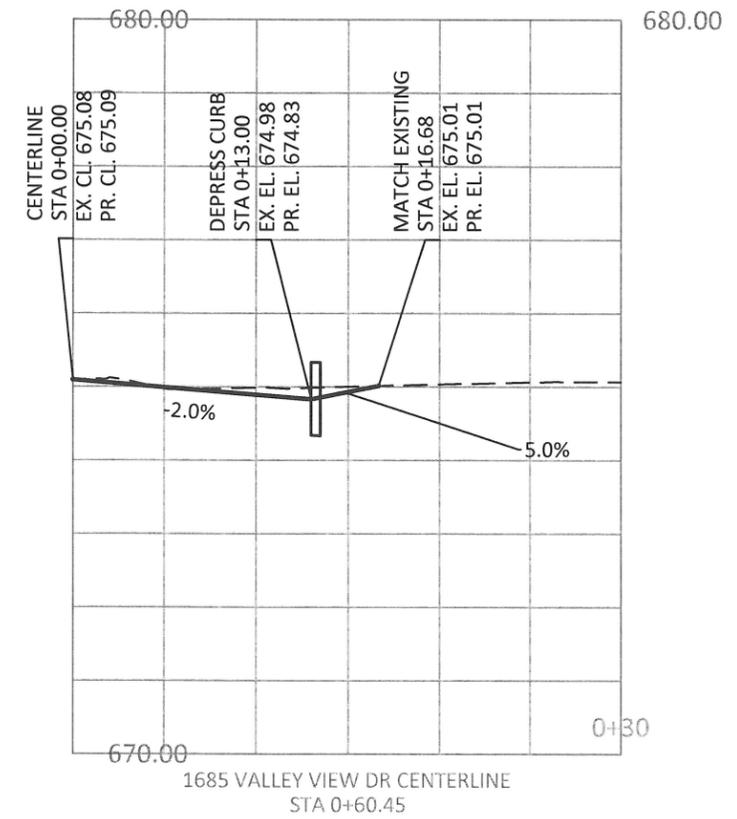
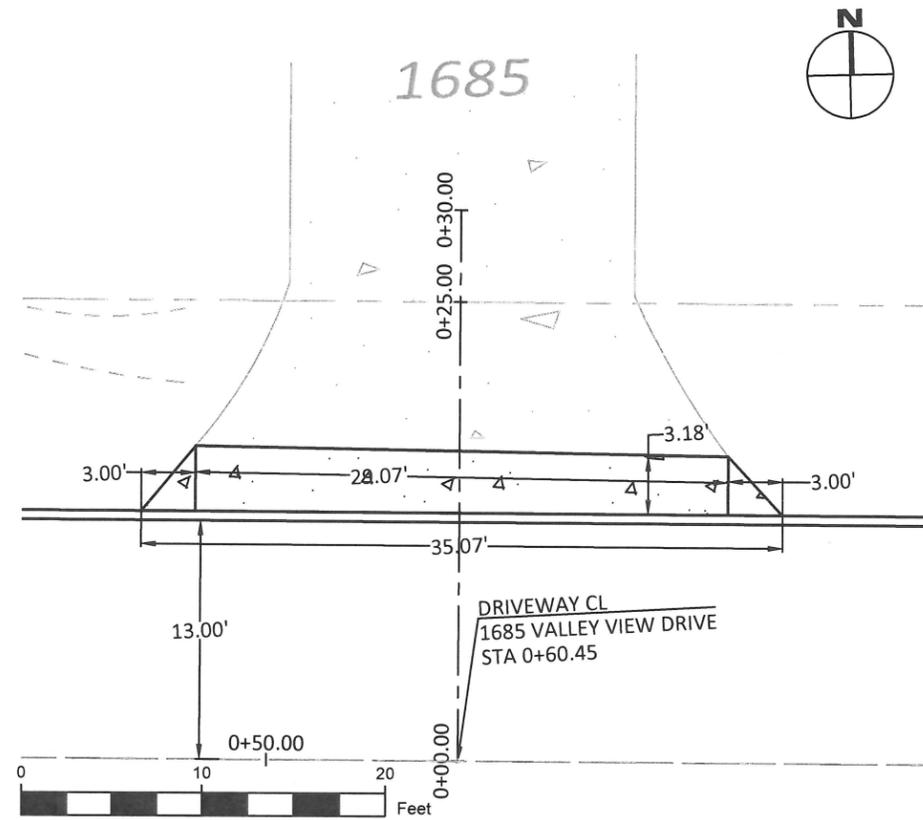
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DETAIL SHEET

V3.1





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 1755 Valley View Dr

PROJECT DATA

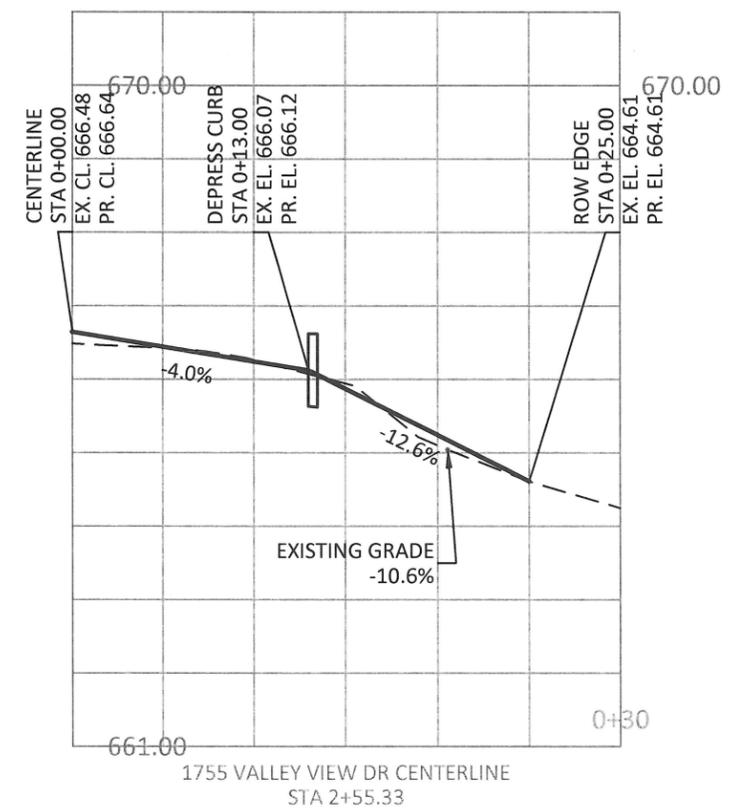
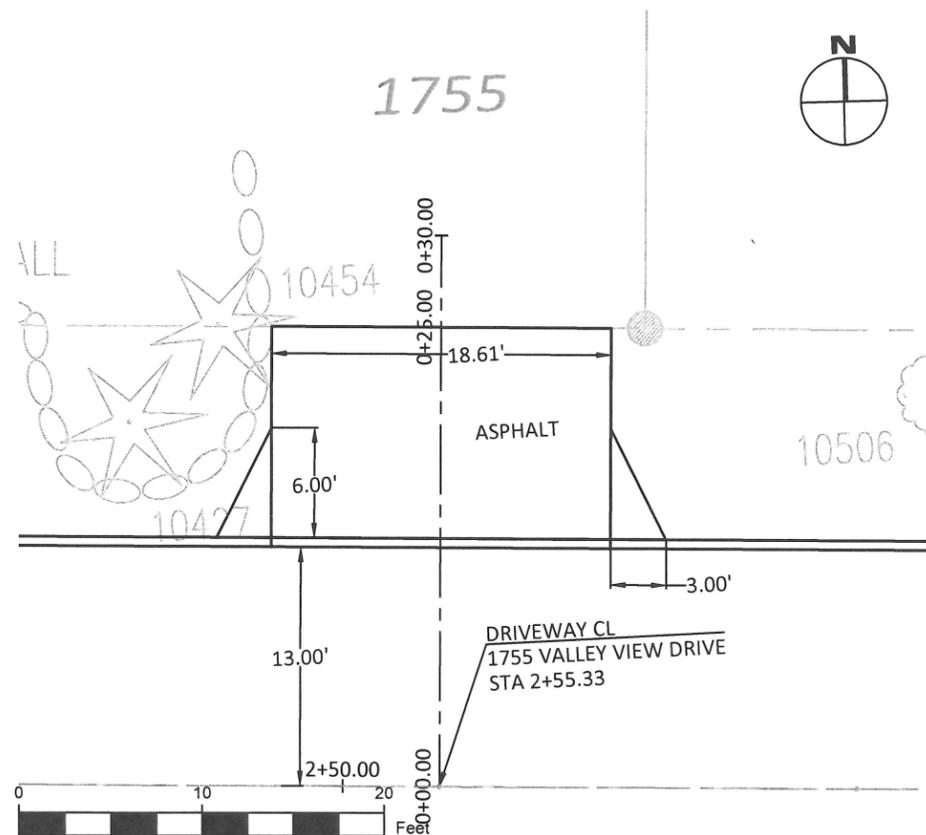
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DESIGNED BY:	LCALVERT
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DATE ISSUED:	2/7/18

REVISION

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DETAIL SHEET

V3.2





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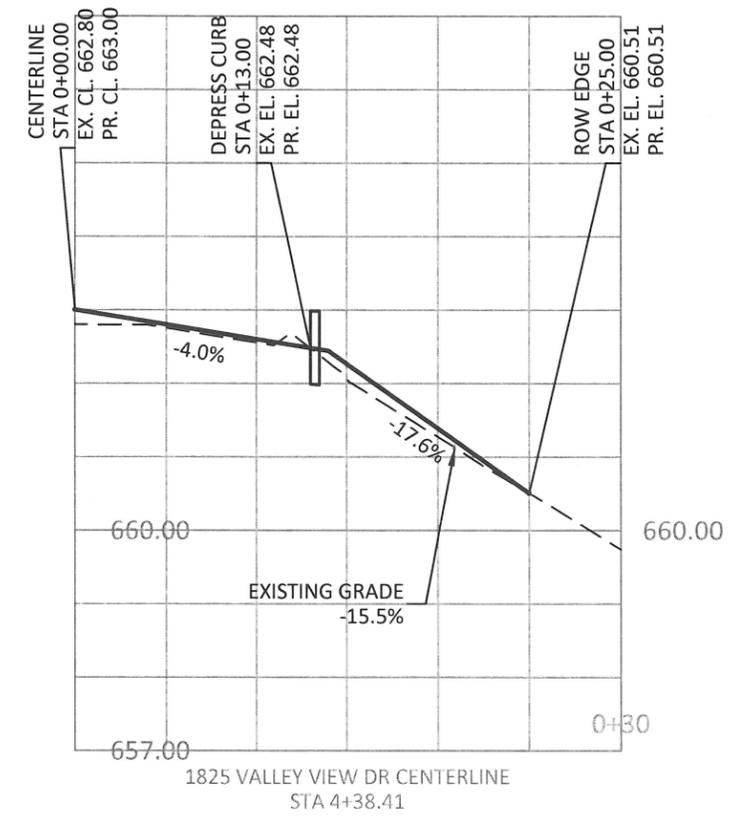
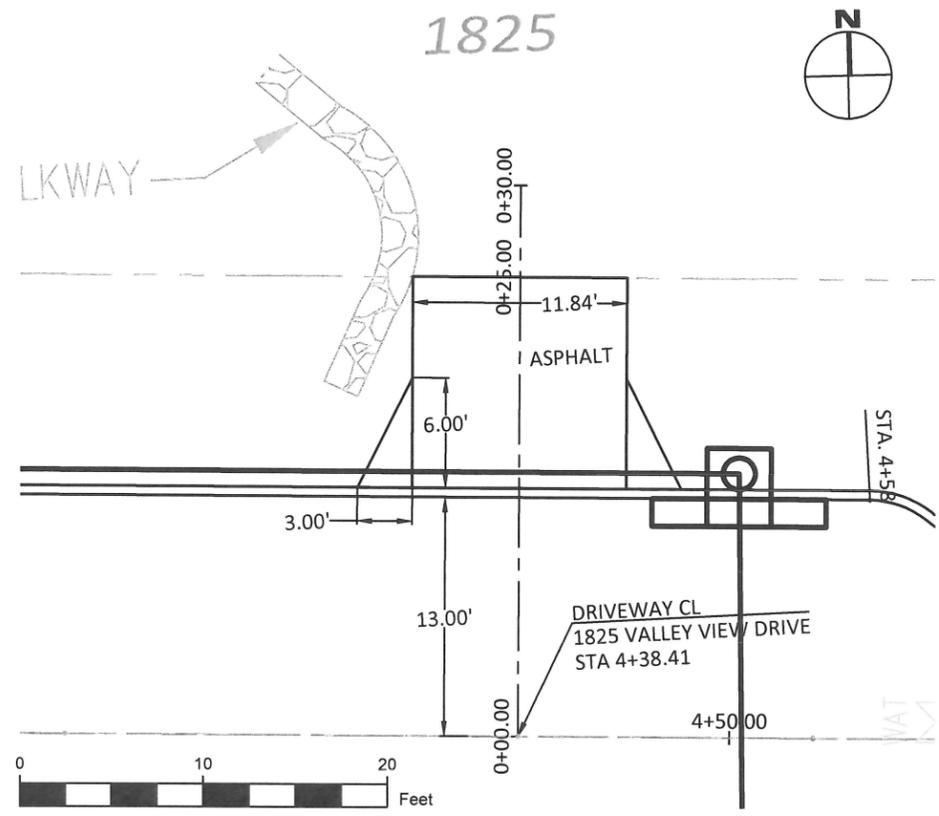
CONTRACTOR TBD

**VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS**
**Driveway Detail
 1825 Valley View Dr**

PROJECT DATA	
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REVISION	
DATE	DESCRIPTION

DETAIL SHEET
V3.3
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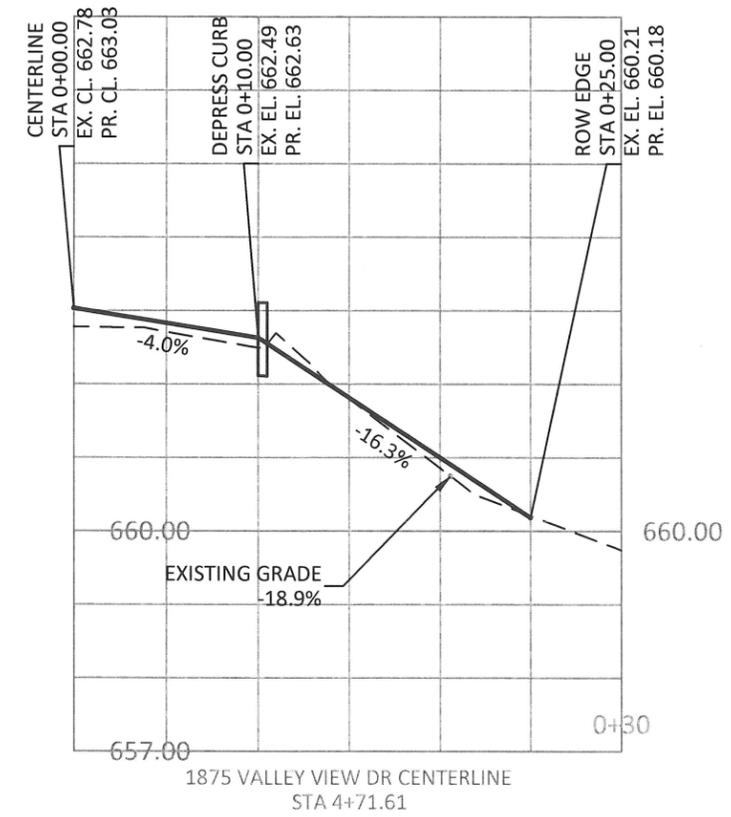
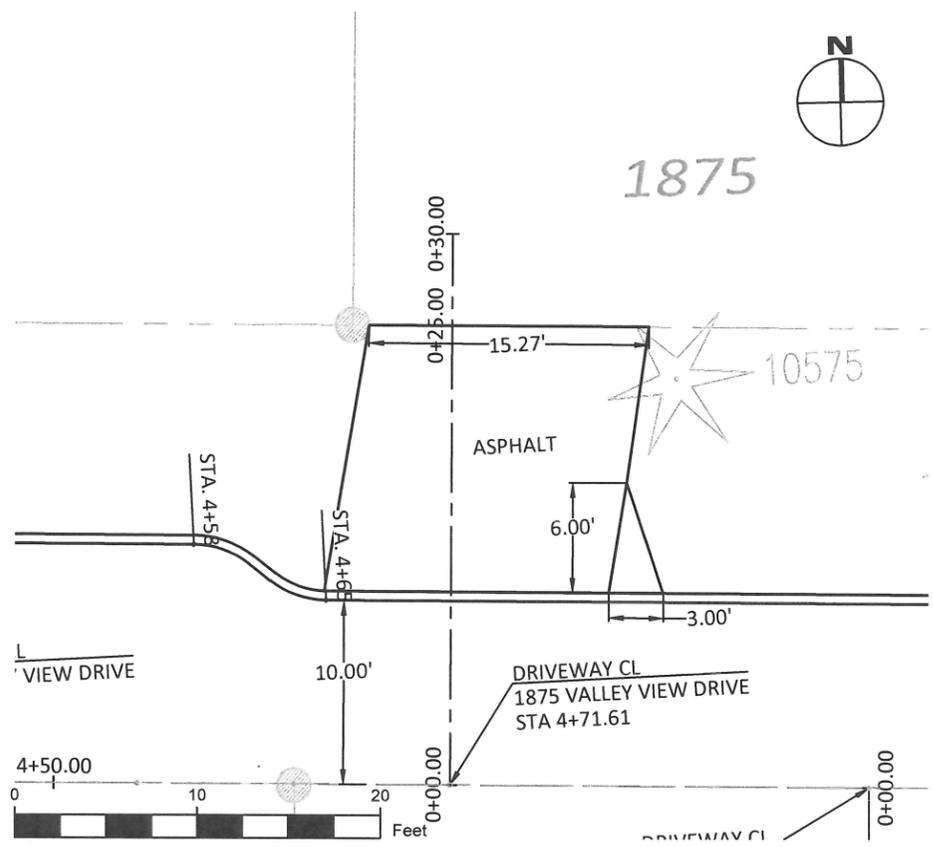
VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 1825 Valley View Dr

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

DETAIL SHEET
V3.4
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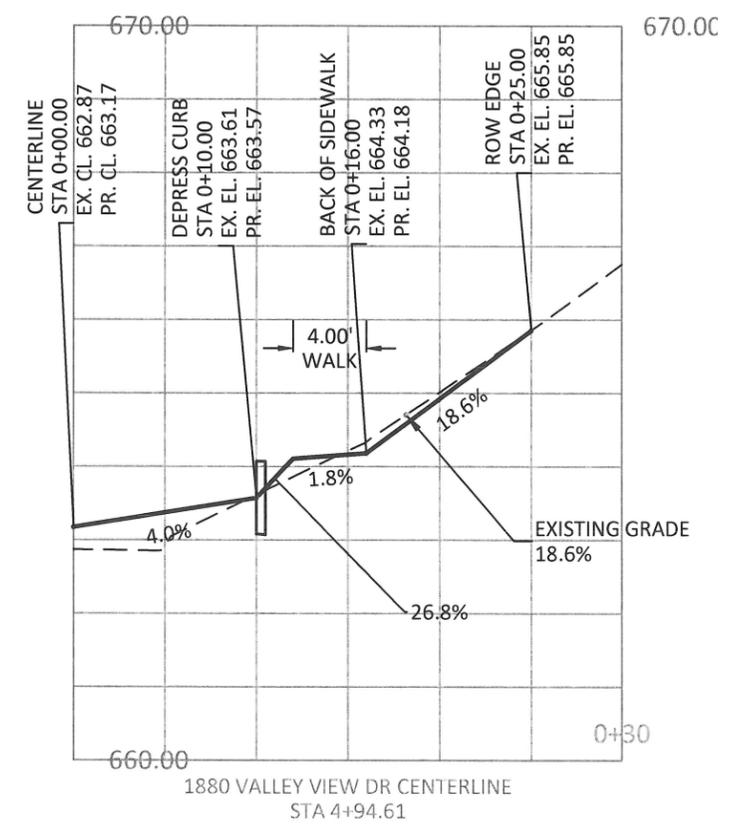
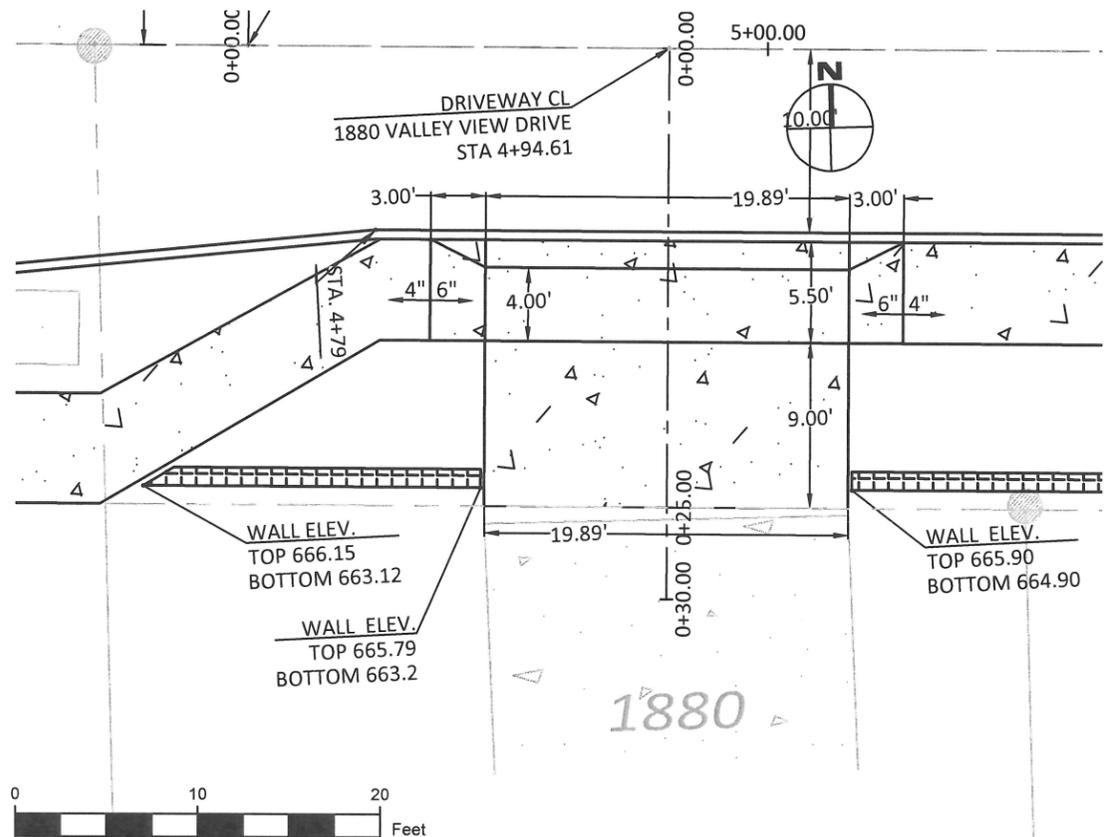
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CONTRACTOR TBD

**VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS**
 Driveway Detail
 1880 Valley View Dr



PROJECT DATA	
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DETAIL SHEET
V3.5
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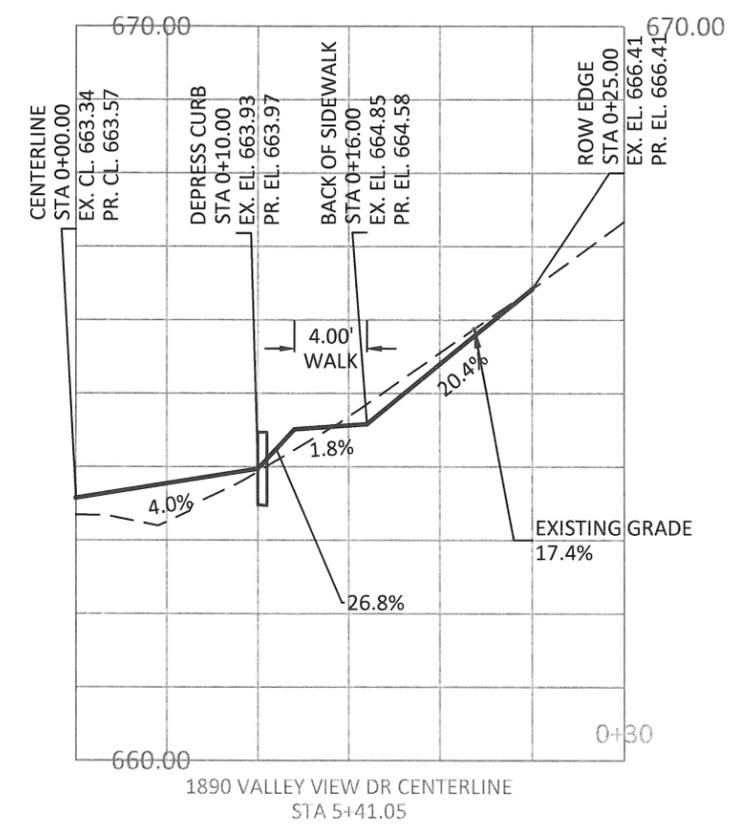
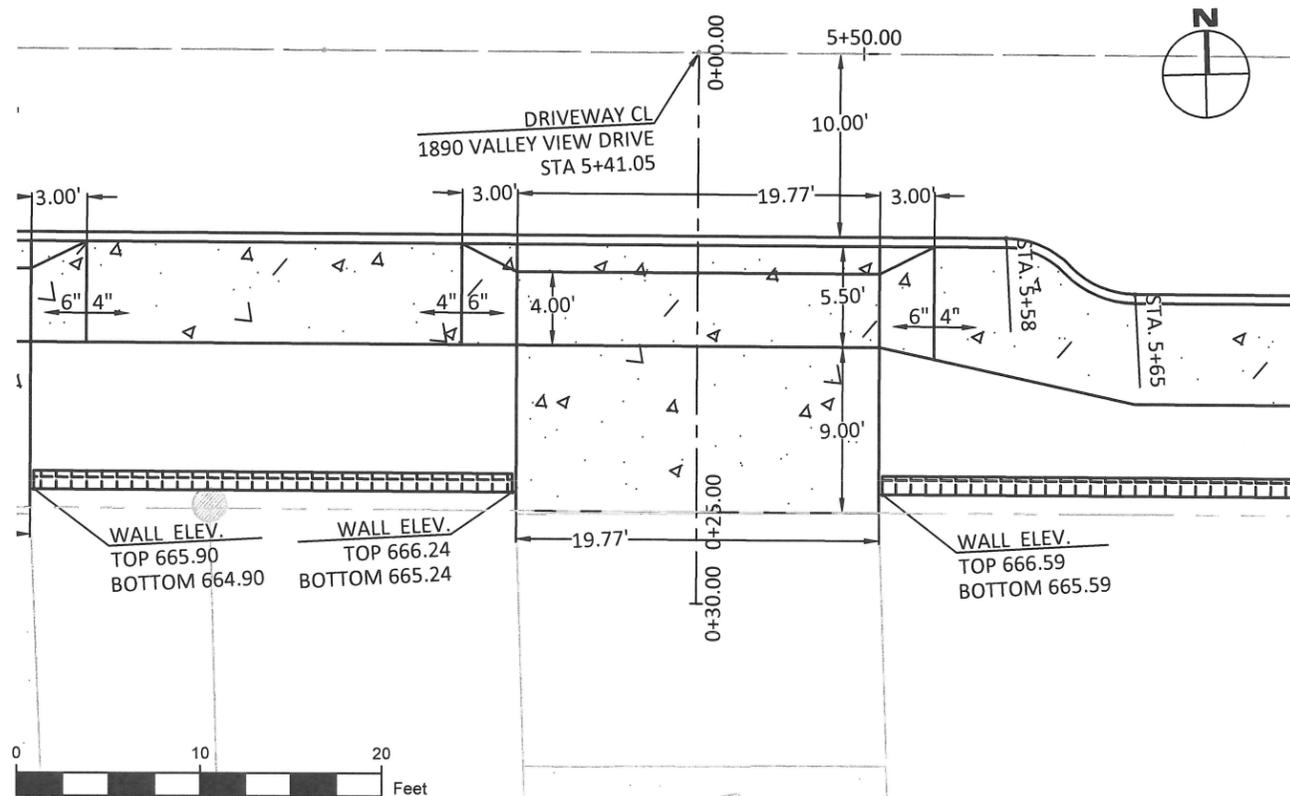
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CONTRACTOR TBD

**VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS**
 Driveway Detail
 1890 Valley View Dr



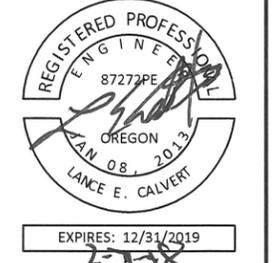
PROJECT DATA	
PROJECT NO:	PW-17-02
DESIGNED BY:	LCALVERT
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DETAIL SHEET
V3.6
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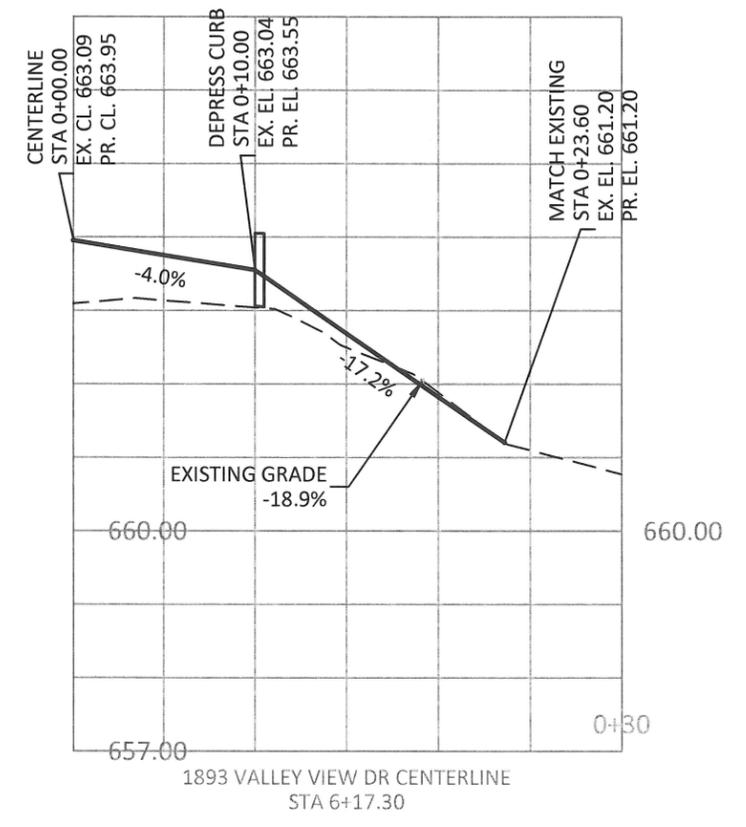
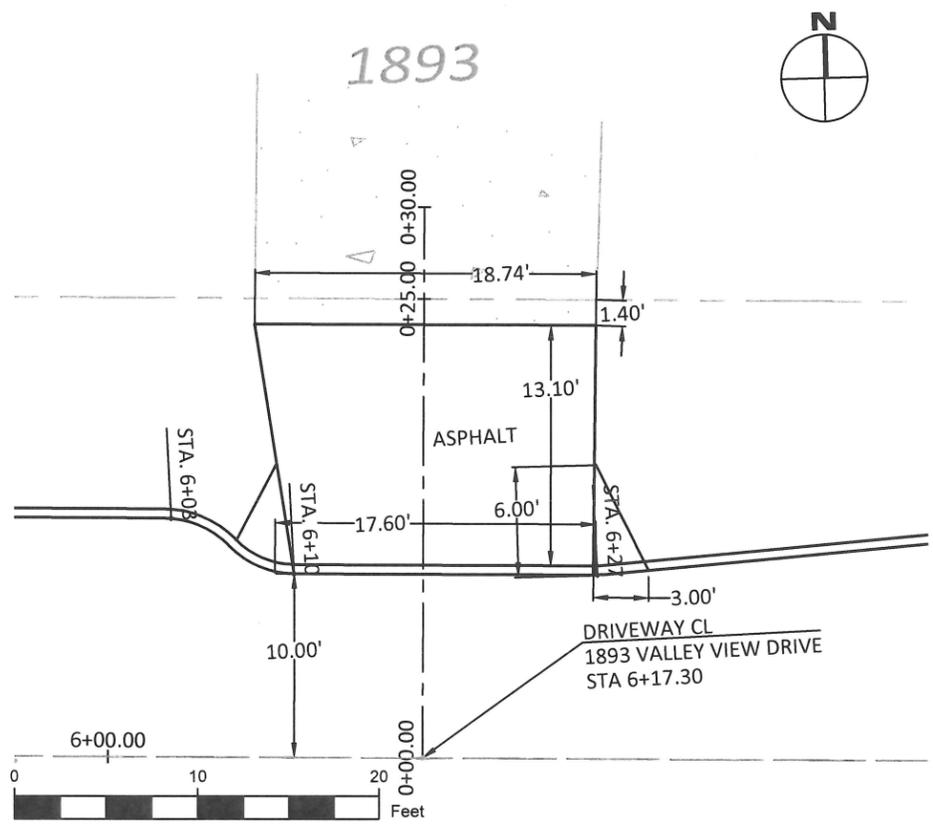
CONTRACTOR TBD

**VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS**
**Driveway Detail
 1893 Valley View Dr**

PROJECT DATA	
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REVISION	
DATE	DESCRIPTION

DETAIL SHEET
V3.7
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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 1900 Valley View Dr

PROJECT DATA

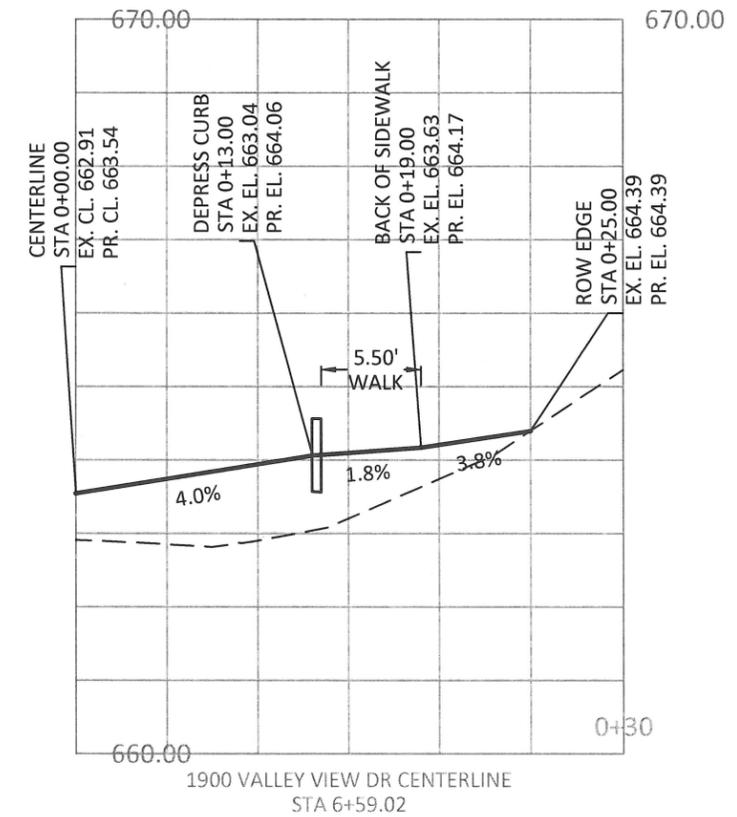
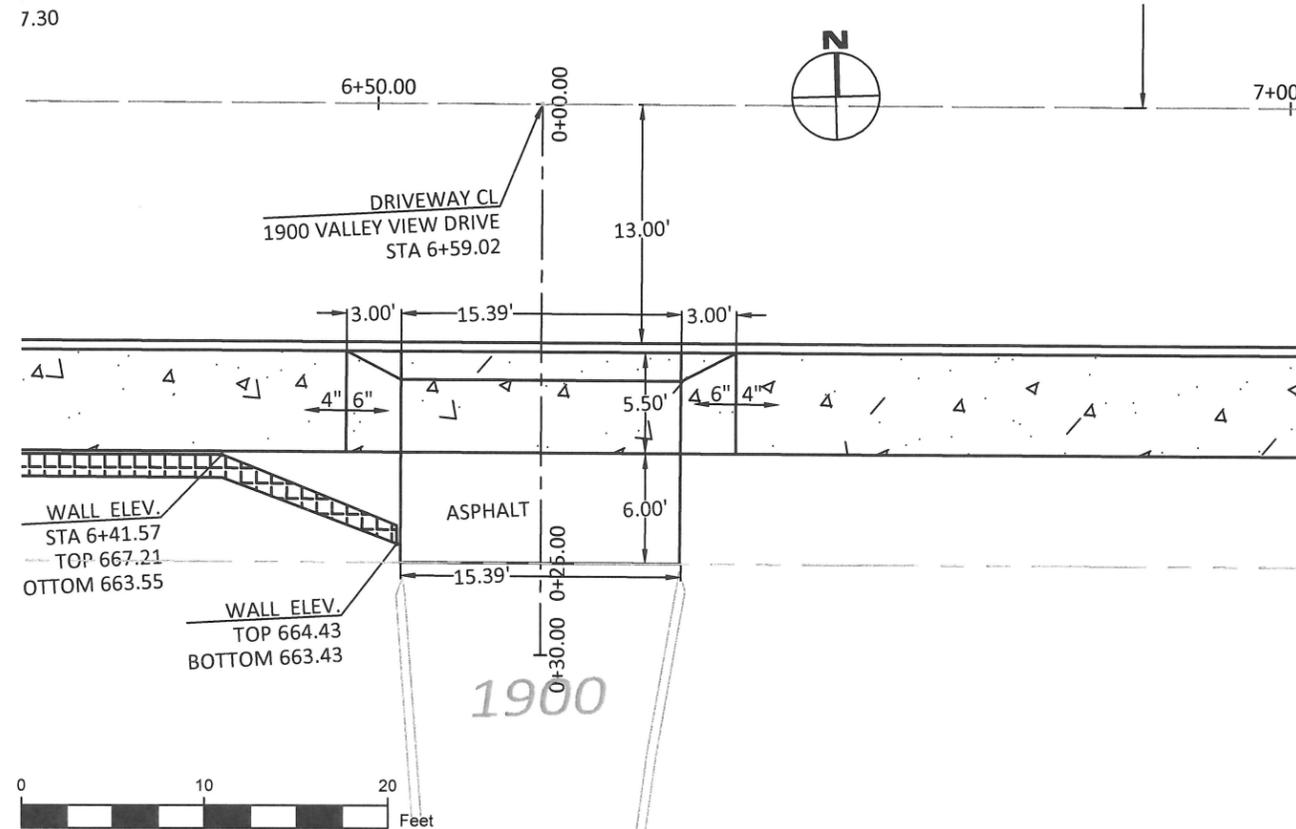
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DETAIL SHEET

V3.8





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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Driveway Detail
 1921 Valley View Dr

PROJECT DATA

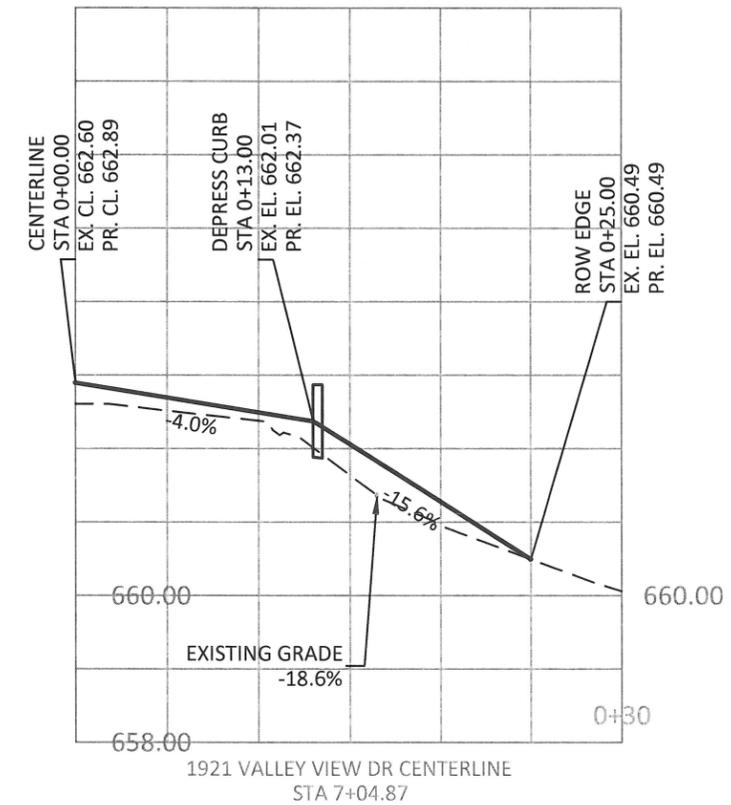
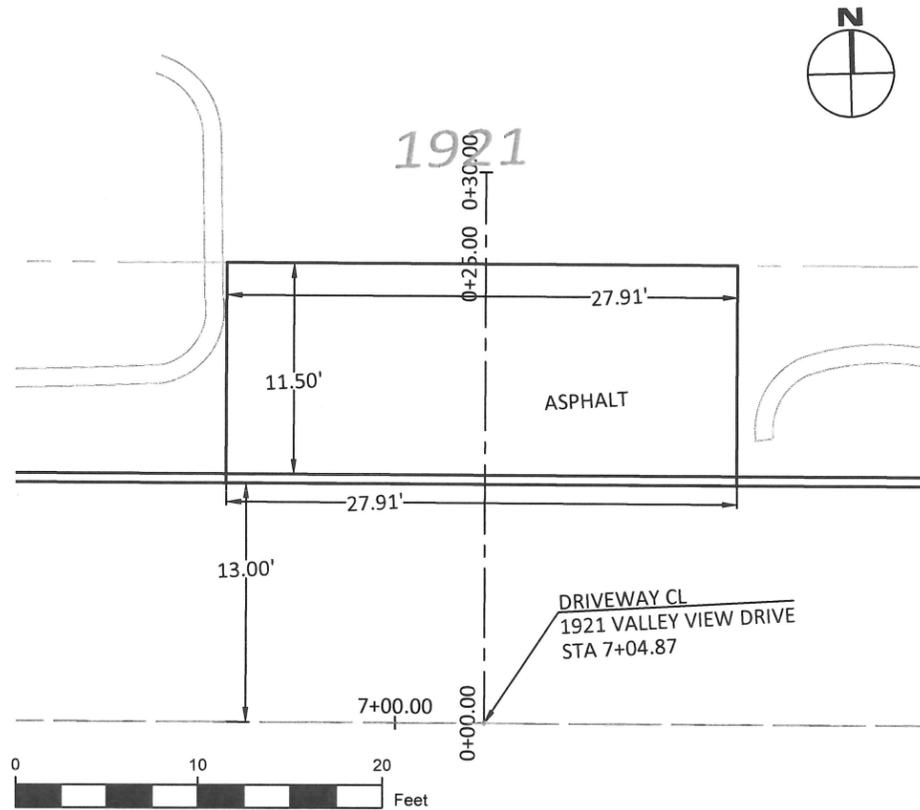
PROJECT NO:	PW-17-02
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DETAIL SHEET

V3.9





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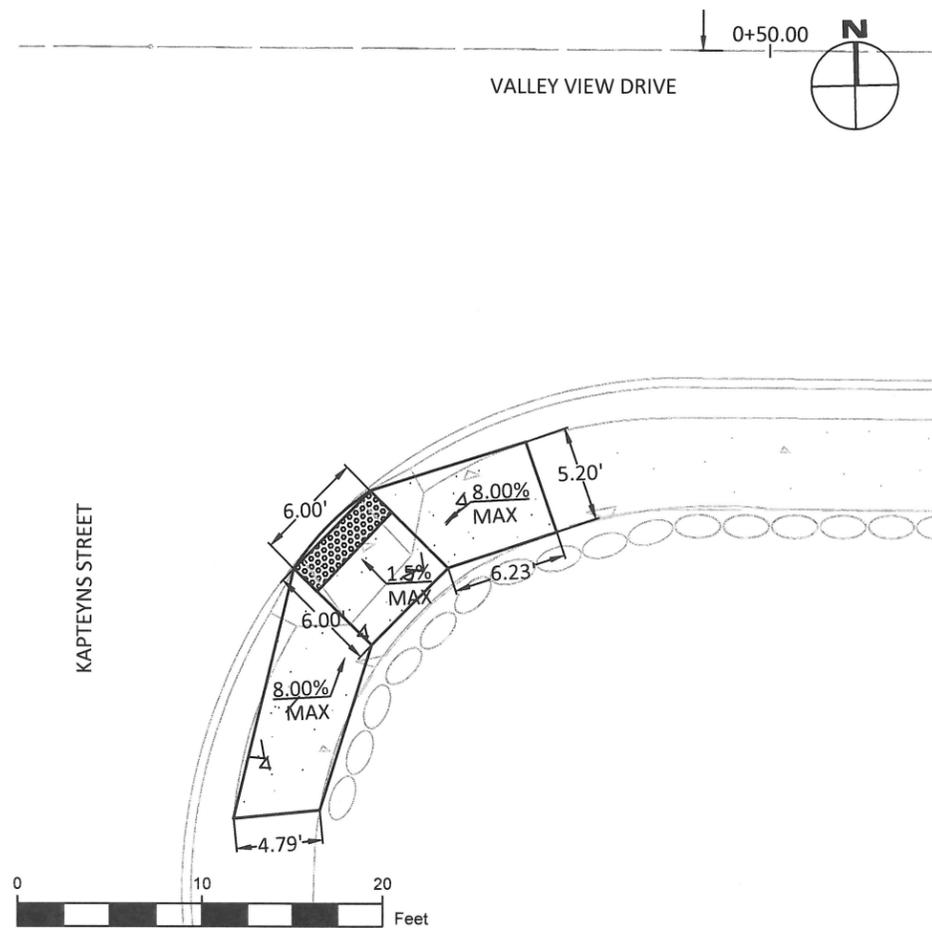
CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS
 Valley View Dr (at Kapteyns St)
 Curb Ramp Details

PROJECT DATA	
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DETAIL SHEET
V3.10
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- RETROFIT EXISTING CURB RAMP AT INTERSECTION OF VALLEY VIEW DRIVE AND KAPTEYNS STREET.
- INSTALL TRUNCATED DOMES AND CREATE ADA-COMPLIANT LANDING WITH MAXIMUM SLOPE OF 1.5% TOWARDS STREET.
 - EXCAVATE EXISTING PANELS TO REPLACE RAMP DOWN TO THE LANDING WITH A MAXIMUM SLOPE OF 8%.



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Valley View Dr
 Storm Drain Improvements

PROJECT DATA

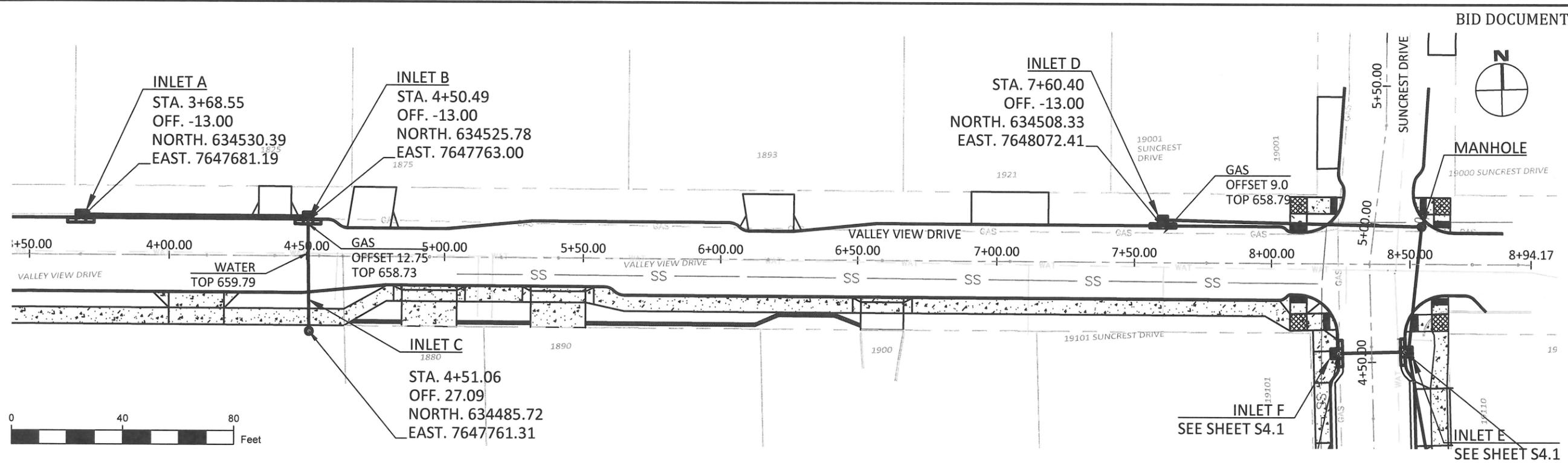
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DATE	DESCRIPTION

DETAIL SHEET

V4.1



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

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

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

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

MANHOLE
 REPLACE EXISTING STORM CATCH BASIN WITH MANHOLE
 STA. 8+54.25 (VALLEY VIEW ALIGNMENT), OFFSET 13.50' NORTH
 RIM ELEV. 663.68
 INVERT ELEV. 659.23 (S)
 INVERT ELEV. 659.57 (W)
 INVERT ELEV. 659.10 (N) CONNECT EXISTING 12 INCH PIPE
 INVERT ELEV. 659.30 (E) CONNECT EXISTING 12 INCH PIPE

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%



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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Standard Details

PROJECT DATA

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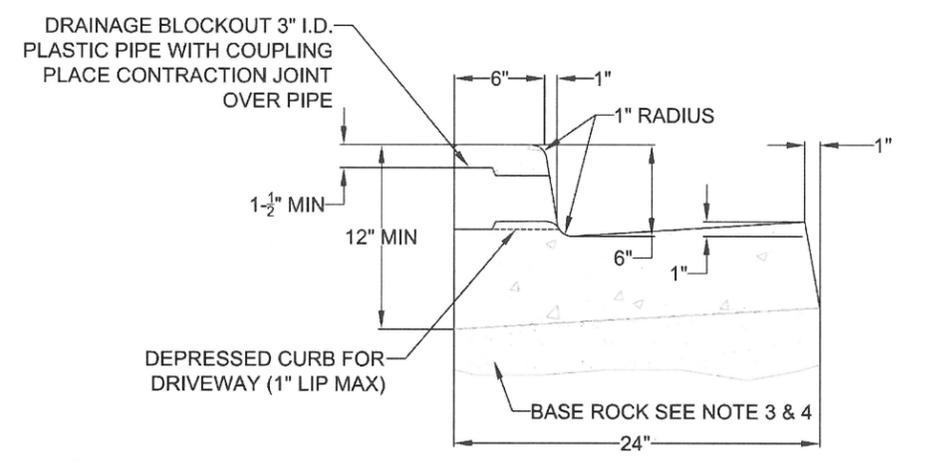
REVISION

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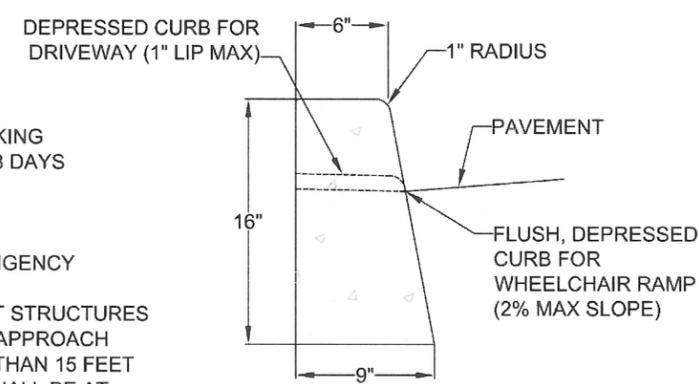
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FLUSH, DEPRESSED CURB FOR WHEELCHAIR RAMP 2% MAX SLOPE

TYPICAL CURB AND GUTTER



TYPICAL STRAIGHT CURB

NOTE:

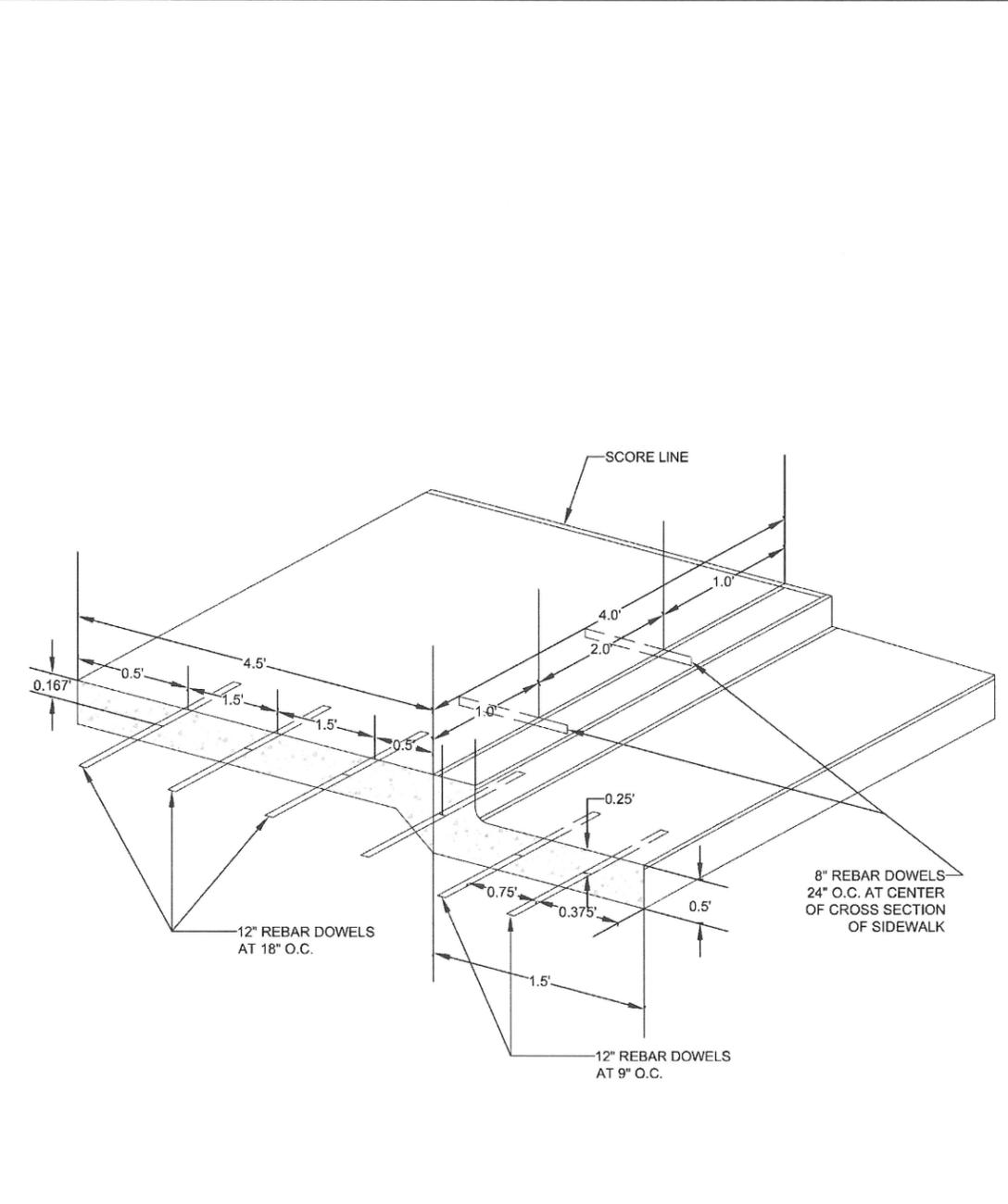
- CONCRETE SHALL HAVE A BREAKING STRENGTH OF 3300 PSI AFTER 28 DAYS
- CONTRACTION JOINTS:
 - TO BE PROVIDED:
 - AT EACH POINT OF TANGENCY
 - AT EACH COLD JOINT
 - AT EACH SIDE OF INLET STRUCTURES
 - AT BOTH SIDES OF AN APPROACH
 - SPACING TO BE NOT MORE THAN 15 FEET
 - THE DEPTH OF THE JOINT SHALL BE AT LEAST 1/3 OF THE THICKNESS OF CONCRETE
 - EXPANSION JOINTS SHALL NOT BE USED
- 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
- FULL DEPTH PREPARED ROCK SECTION SHALL EXTEND 1' HORIZONTALLY BEYOND BOTH SIDES OF CURB AND GUTTER
- DRAINAGE BLOCK - 3" DIA. PLASTIC PIPE
 - 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
- 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

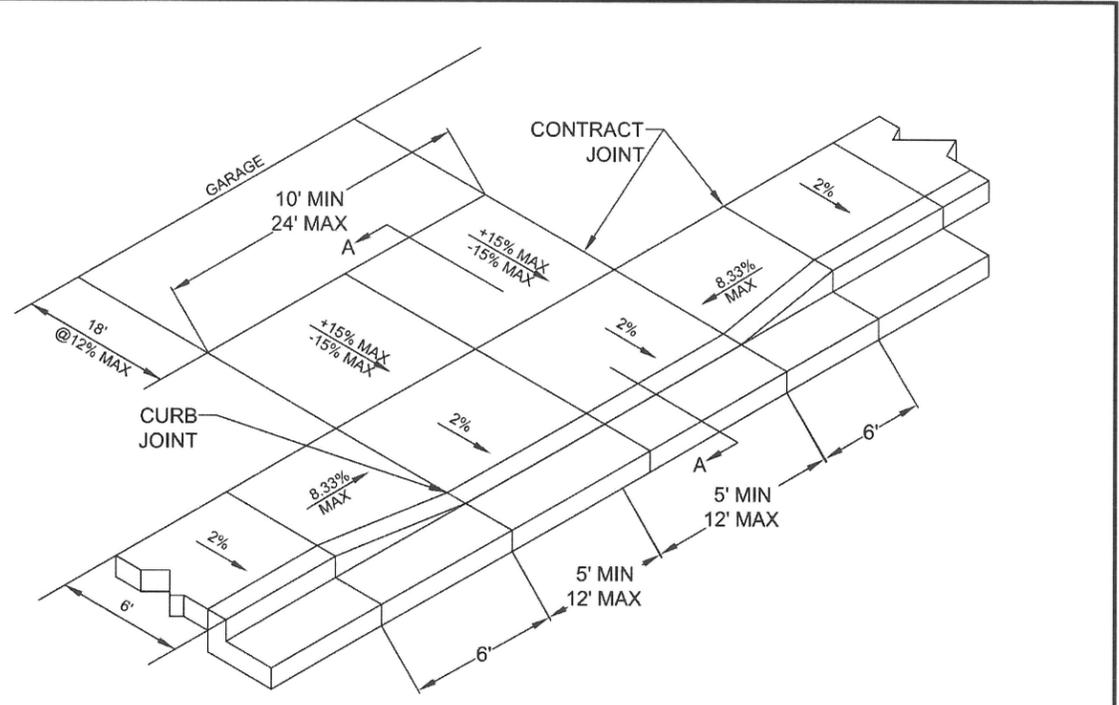
Standard Details

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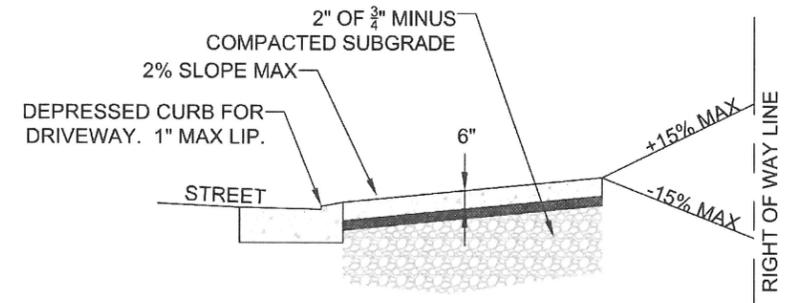
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DETAIL SHEET
D2
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SIDEWALK ADJACENT TO CURB



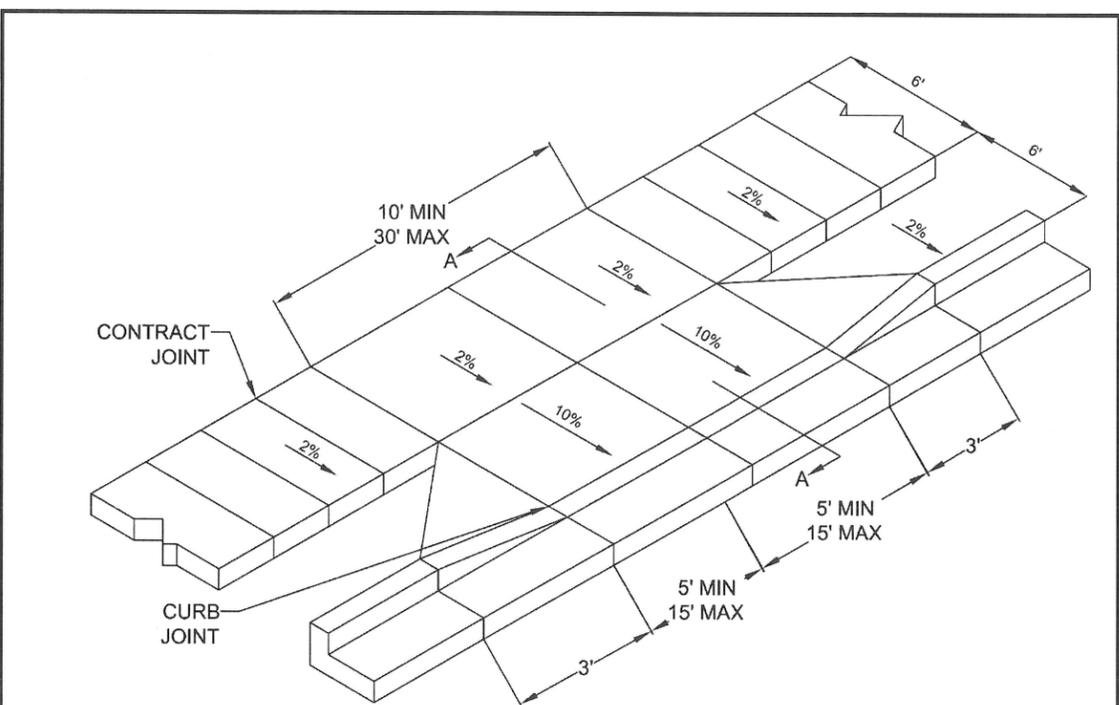
SECTION A-A

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

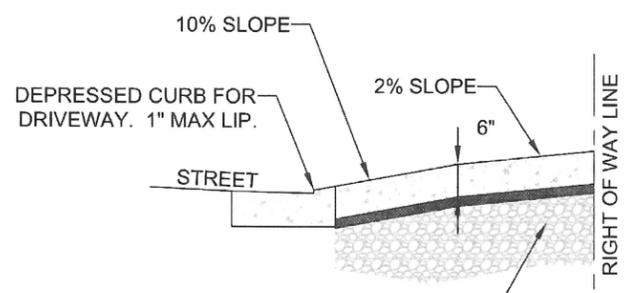
RESIDENTIAL DRIVEWAY WITH SIDEWALK ADJACENT TO CURB

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

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SIDEWALK AWAY FROM CURB



SECTION A-A

- NOTE:
- CONCRETE SHALL HAVE A MINIMUM BREAKING STRENGTH OF 3300 PSI AFTER 28 DAYS 6 SACK MIX
 - CURB SHALL BE TROWELED JOINT WITH MIN. 1/2" RADIUS ALONG BACK OF CURB
 - DRIVEWAY SHALL BE A MINIMUM 6" THICK
 - DRIVEWAY CURB CUT SHALL COMPLY WITH THE CONDITIONS OF 5.0070, "WIDTH AND LOCATION OF CURB CUTS"
 - FOR REPLACEMENT OF EXISTING 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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 22500 SALAMO ROAD
 WEST LINN, OR 97068
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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

REVISION

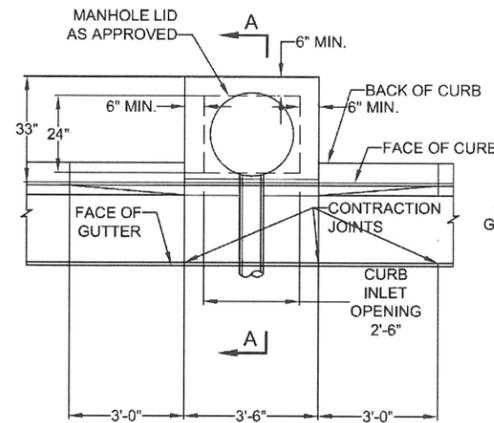
DATE	DESCRIPTION

DETAIL SHEET

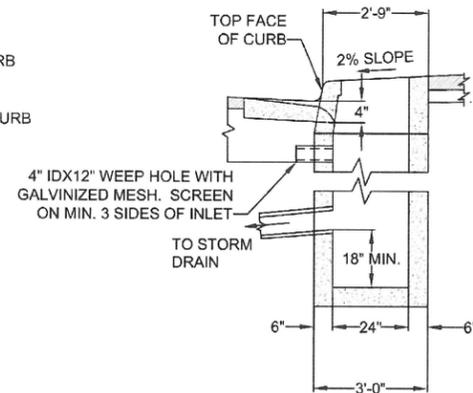
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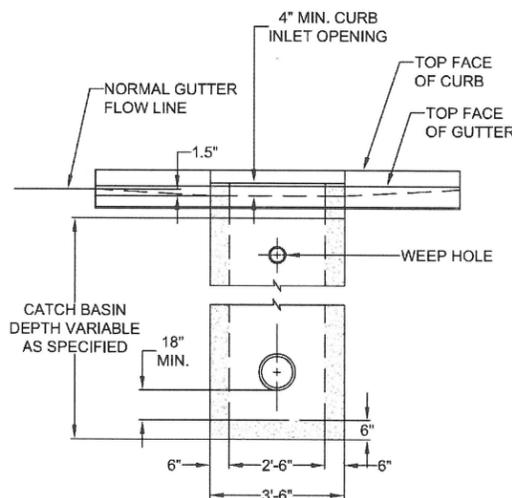
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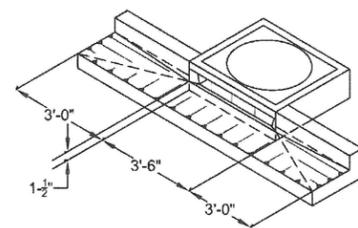
PLAN VIEW



SECTION A-A



FRONT VIEW



PERSPECTIVE VIEW SHOWING DEPRESSED GUTTER AT CURB INLET

NOTE:

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

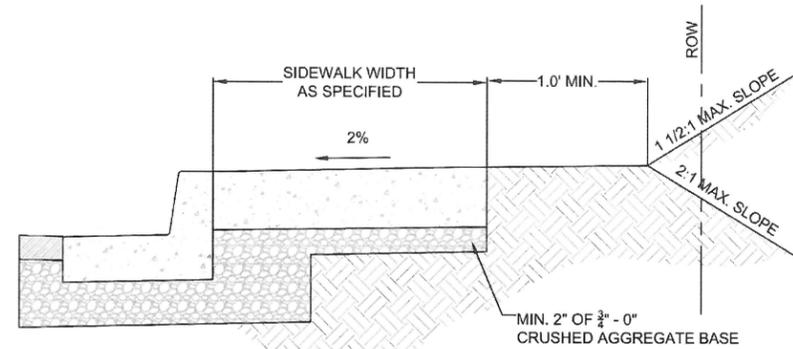
GUTTER INLET
 2 1/2 A



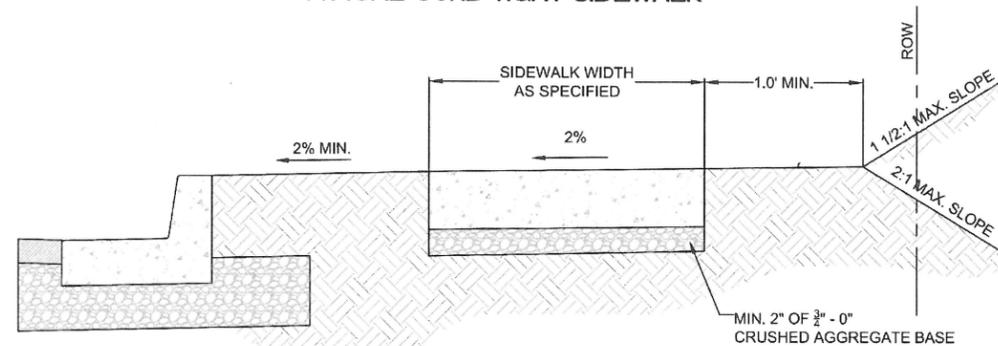
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FILE NO.	

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TYPICAL CURB TIGHT SIDEWALK



SIDEWALK AWAY FROM CURB

NOTE:

- CONCRETE SHALL BE 3300 PSI AT 28 DAYS.
- PANEL LENGTHS SHALL BE EQUAL TO THE SIDEWALK WIDTH, BUT MAY BE ADJUSTED WITH THE CITY ENGINEER'S APPROVAL.
- 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.
- A CURING COMPOUND SHALL BE USED. WHITE REFLECTIVE SHEETING SHALL BE USED IN CASE OF RAIN.
- 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.
- 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".
- 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

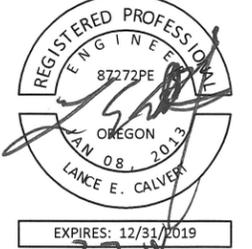


CITY OF
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CONTRACTOR TBD

VALLEY VIEW DR AND SUNCREST DR
 STREET IMPROVEMENTS

Standard Details

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DATE ISSUED:	2/7/18

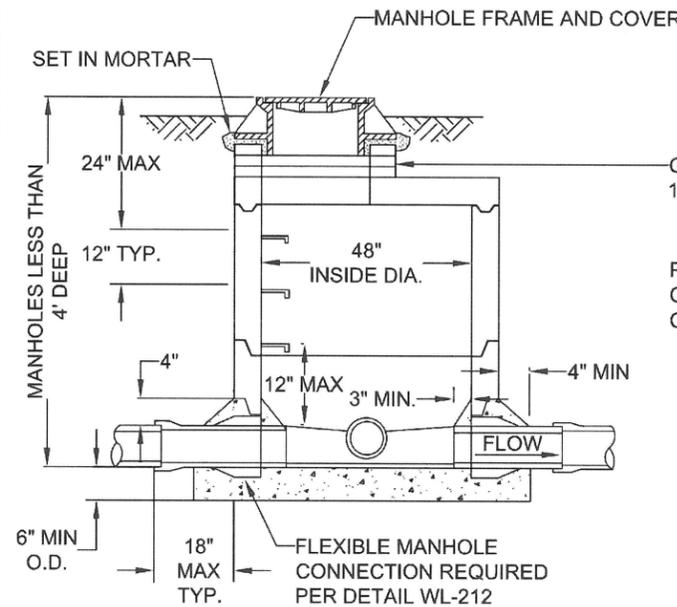
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DATE	DESCRIPTION

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D4

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NOTE:
 MANHOLE LID TO BE 1'
 ABOVE FINISH GRADE
 IN UNPAVED EASEMENTS.

GRADE RINGS - VARIABLE, MAX. 3 LAYERS,
 12" MAX

PRECAST SECTIONS AND POURED
 CONCRETE BASES SHALL CONFORM TO
 CITY STANDARD SPECIFICATIONS.

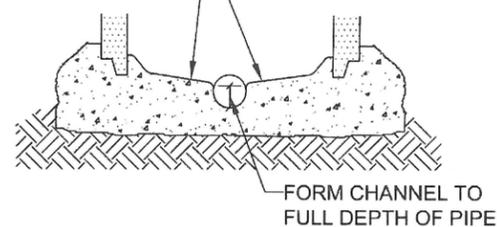
ALL JOINTS SHALL BE SEALED
 WITH PREFORMED PLASTIC OR
 RUBBER RING TO FORM A WATER
 TIGHT SEAL.

LOCATE STEPS ON UPSTREAM
 SIDE OF MANHOLE.

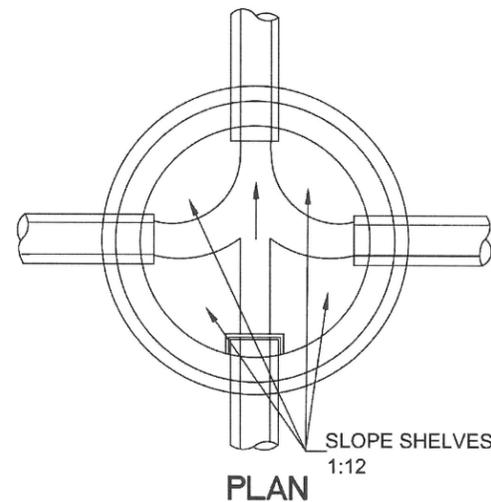
NOTE:
 POLYETHYLENE STEPS/IRON REINFORCEMENT
 8" x 12" WIDE, 2" DROP, EMBEDDED 3", ON 12"
 CENTERS (TYPICAL)

MANHOLES SHALL HAVE A 12" MIN.
 24" MAX. BOTTOM RISER, TO BE BEDDED
 IN THE CONCRETE AS THE BASE TAKES
 ITS INITIAL SET.

SLOPE SHELVES 1:12



NOTE:
 CHANNELS MUST BE ABLE TO PASS A 7"X30"
 CYLINDER INTO PIPES. SHELF SHALL NOT BE
 BELOW THE TOP OF THE PIPE.



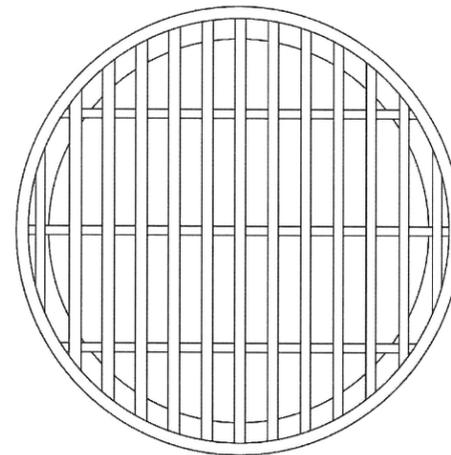
SHALLOW MANHOLE
 FOR LESS THAN
 36" PIPE



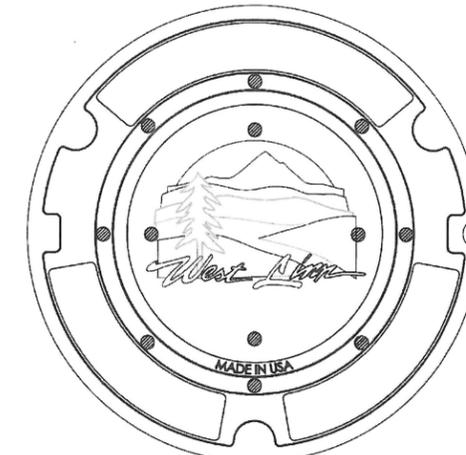
CITY OF
**West
 Linn**

DATE:	2010
DRAWING NO.	WL-208
FILE NO.	

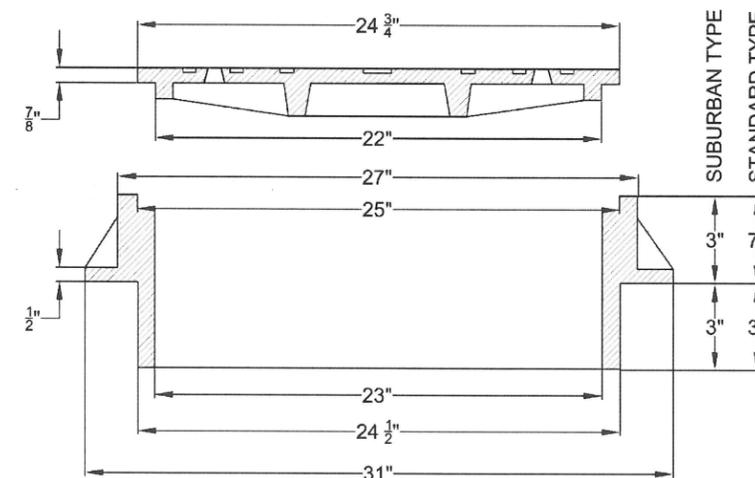
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GRATE



STORM



NOTE:

1. USE SUBURBAN TYPE ONLY IN NON-TRAFFIC AREAS, AND ONLY WITH APPROVAL BY THE CITY.
2. COVER AND FRAME SHALL BE GRAY CAST IRON ASTM A-48 CLASS 30.
3. COVER AND FRAME TO BE MACHINED TO A TRUE BEARING ALL AROUND.
4. NOTCH LID FOR LIFTING HOOK.
5. OPEN GRATES REQUIRE APPROVAL BY CITY, AND MUST BE BICYCLE SAFE IF USED IN TRAFFIC AREAS.

MANHOLE
 FRAME AND COVER



CITY OF
**West
 Linn**

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



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VALLEY VIEW DR AND SUNCREST DR
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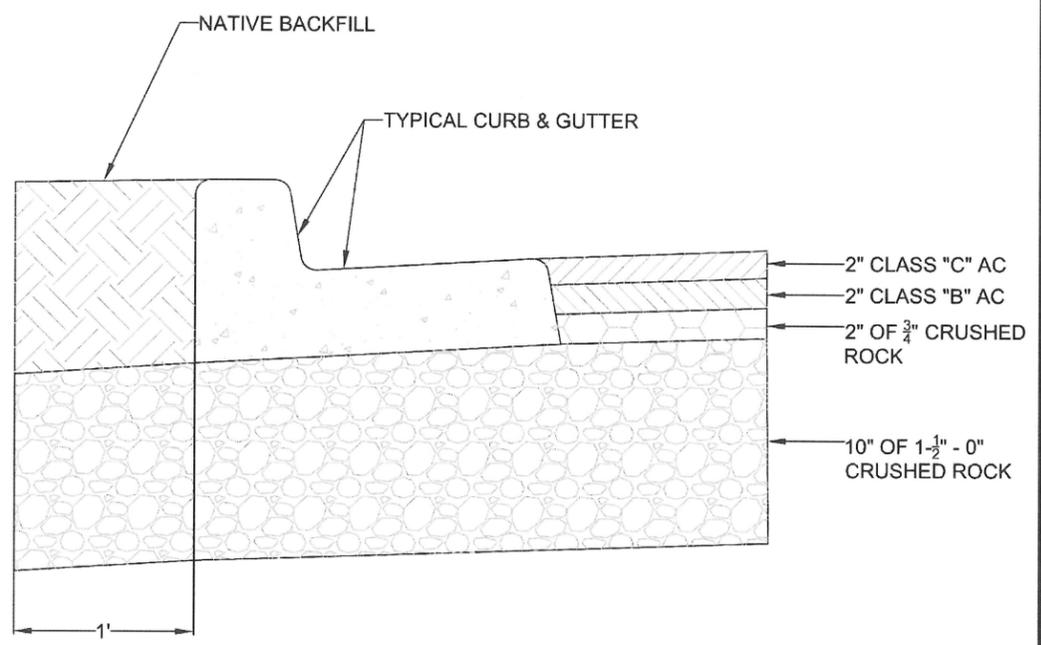
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DETAIL SHEET
D5
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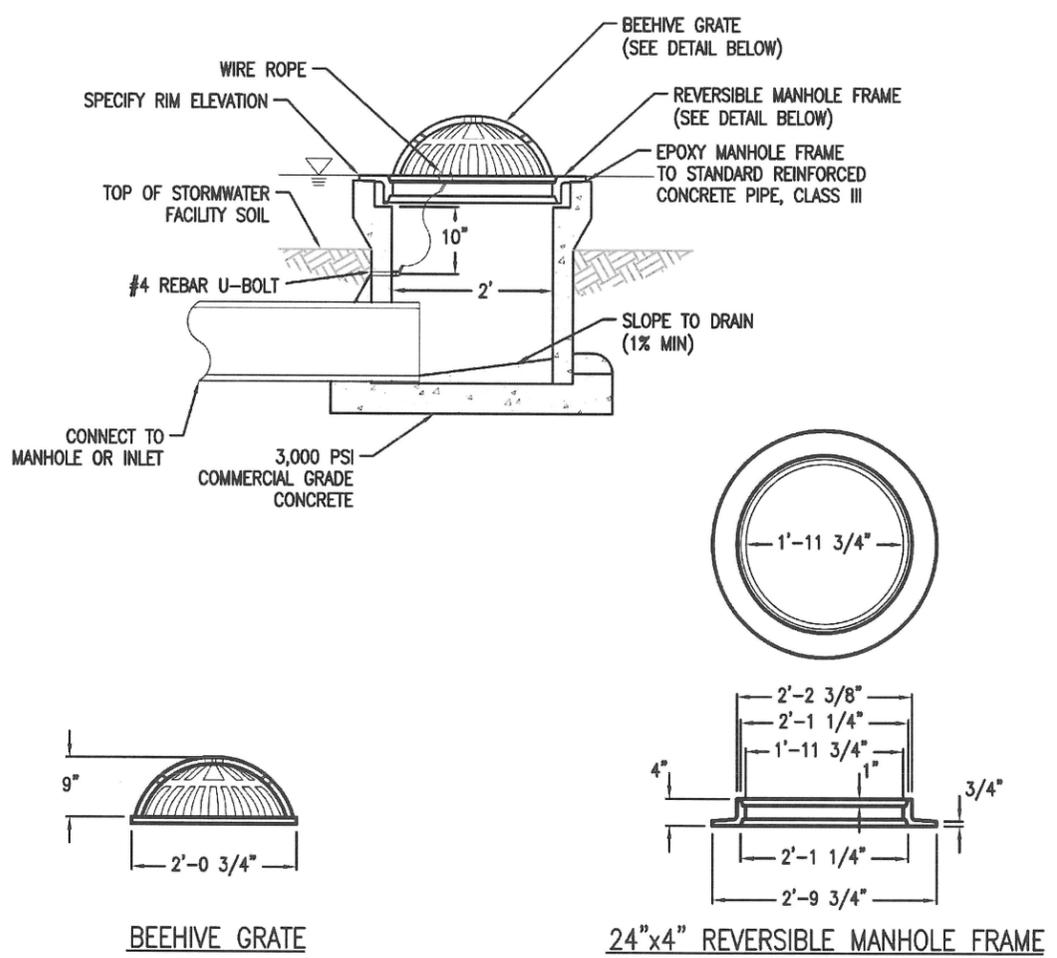
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- NOTE:
- UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, STREETS SHALL BE PAVED TO FINAL GRADE USING 2 OR MORE LIFTS. FINAL LIFT SHALL BE PLACED ONLY AFTER ACCEPTANCE OF THE FIRST LIFT AT A TIME AS DIRECTED OR APPROVED BY THE CITY ENGINEER
 - BASE SHALL BE PREPARED 1 FOOT BEHIND CURB
 - SEE SECTION 5.0030 PAVEMENT DESIGN FOR ALL ROADWAYS CLASSIFIED COLLECTOR OR HIGHER

**ALLEY, LOCAL AND
 NEIGHBORHOOD ROAD
 STRUCTURAL SECTIONS**

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



- DESIGNER INFORMATION**
- If connecting to a combination sewer manhole installation of a "swing-check type backwater valve" or approved equal is required to prevent odor emissions.
 - Size inlet based on calculated flows & manufacturers recommendations.
- CONSTRUCTION NOTES**
- Secure grate in place with 5/4" of wire rope. Loop ends of wire rope around U-bolt and grate. Crimp each end of wire rope with ferrule.
 - Drill 2" deep holes into pipe and epoxy #4 rebar U-bolt (2"x 4") in holes.
 - Grate to be cast iron, ASTM A48 CL30.
 - 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.
 - Wire rope between 1/8"-3/16" diameter, stainless steel, 7 strands of 19 wires.

- DRAWING NOT TO SCALE -

STORMWATER MANAGEMENT MANUAL TYPICAL DETAILS

- Green Streets -
 Beehive Inlet Grate
 Overflow Inlets

NUMBER	SW-350
7-1-2016	

NOTE:
 FINAL GRADE TO MATCH RIM ELEVATION