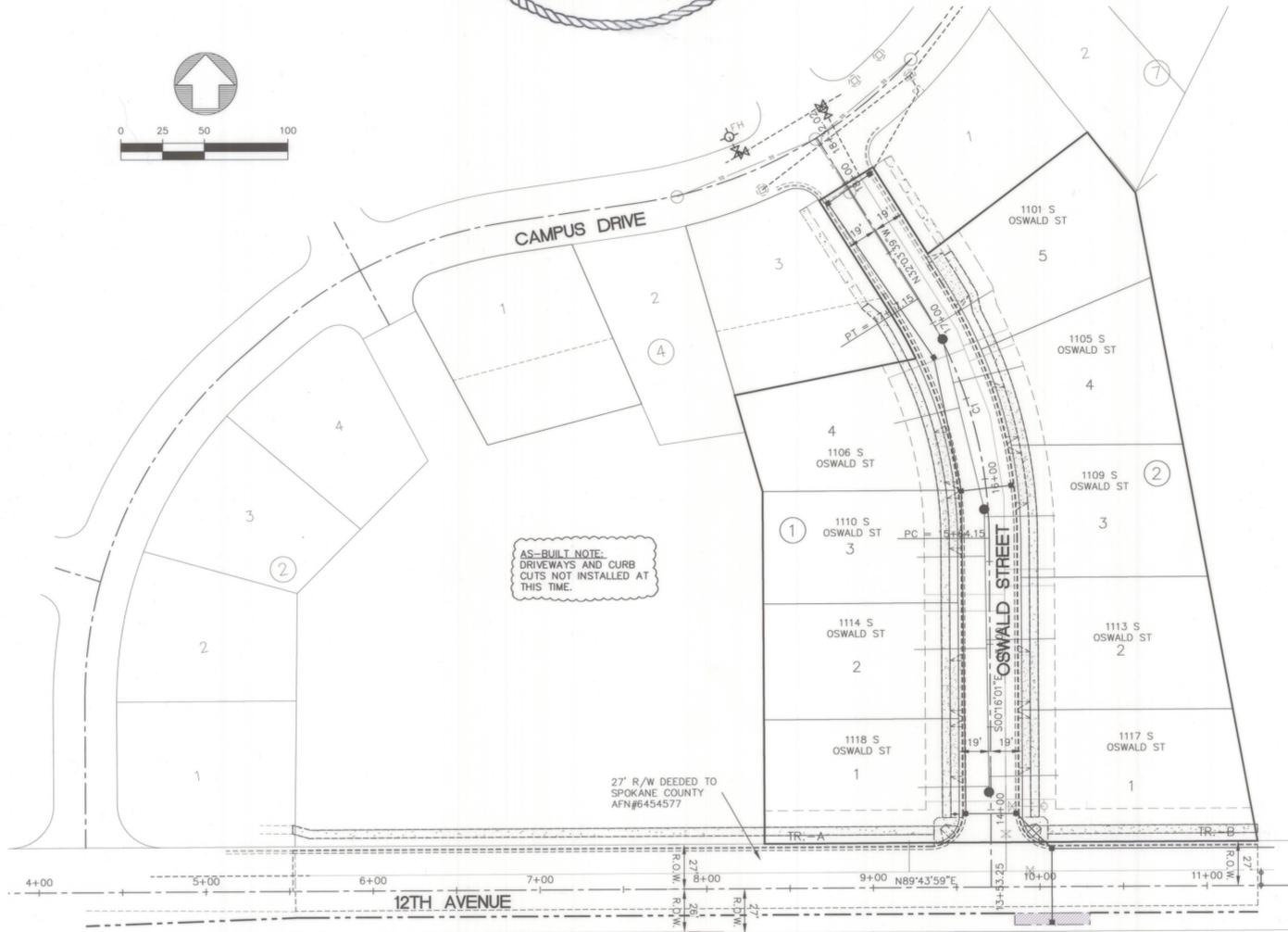
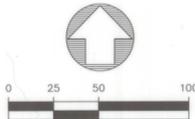


CONSTRUCTION NOTES

- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, AND AS AMENDED.
 - LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
 - THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
 - IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEERS OFFICE.
 - FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.
 - PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
 - FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT./FT.), A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
 - THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDE SLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
 - AN EROSION/SEDIMENTATION CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.
 - APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.
 - THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF THE SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
 - GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
 - ON-SITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING AT 477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.
- CALL BEFORE YOU DIG: 811



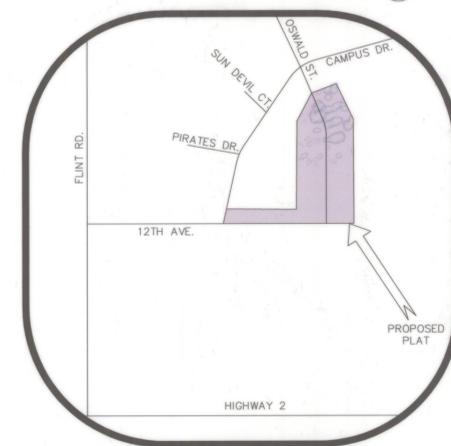
AS-BUILT NOTE:
DRIVEWAYS AND CURB CUTS NOT INSTALLED AT THIS TIME.

27' R/W DEEDED TO SPOKANE COUNTY
AFN#6454577

PILLAR ROCK ESTATES
4TH ADDITION

PW-1959-05
A PLAT IN A PORTION OF THE NW1/4 OF THE SW1/4 OF SECTION 20, T.25 N., R.42 E.W.M. SPOKANE COUNTY, WASHINGTON

VICINITY MAP - N.T.S.



PROJECT INFORMATION

OWNER/APPLICANT: PILLAR ROCK, LLC
KIRK KAPPEN

CONTACT NUMBER: (509) 892-1490

PROJECT LOCATION: AIRWAY HEIGHTS, WA

PROPERTY DESCRIPTION (BY SIMPSON ENGINEERS, INC.):

That portion of the North 1/2 of the Southwest 1/4 of Section 20, Township 25 North, Range 42 East W.M. described as follows:

Beginning at the NW corner of Lot 3 Block 4 of the Final Plat of Pillar Rock Estates, as recorded in Book 35 of Plats, Pages 3-5, said corner common to Lots 2 and 3, Block 4, also on the South right of way (R/W) line of Campus Drive, a private road 36.00 feet in width being a point on a curve concave to Northwest with a radius of 294.00 feet and a radial bearing on S13°12'56"E from the center of said curve; thence Easterly, through a central angle of 12°21'45", an arc distance of 63.44 feet along said South R/W line, to the beginning of a reverse curve concave to the South with a radius of 16.00 feet; thence Southeasterly, through a central angle of 83°31'02", an arc distance of 23.32 feet to the True Point to Beginning; thence S32°03'39"E a distance of 69.71 feet to the SE corner of said Lot 3; thence continuing S32°03'39"E a distance of 12.54 feet and to the beginning of a curve concave to Southwest with a radius of 256.00 feet; thence Southeasterly, through a central angle of 6°37'58", an arc distance of 29.64 feet; thence S78°37'25"W, on a non-tangent bearing, a distance of 111.03 feet, to a point on the Easterly line of Lot 2 of said Block 4; thence S15°55'26"E a distance of 23.22 feet to the SE corner of said Lot 2; thence continuing S15°55'26"E a distance of 37.38 feet; thence S00°16'01"E a distance of 213.00 feet to the North R/W line of 12th Avenue; thence N89°43'59"E, along said North R/W, a distance of 295.44 feet; thence N10°28'46"W a distance of 398.57 feet to the SW corner of Lot 2 Block 7 of said Pillar Rock Estates; thence N38°14'07"W, along the West line of said Lot 2, a distance of 46.46 feet to the SE corner of Lot 1 of said Block 7; thence S52°34'52"W a distance of 120.59 feet to the SW corner of said Lot 1; thence N32°03'39"W, along the West line of said Lot 1, a distance of 61.95 feet; thence S57°55'52"W a distance of 38.00 feet to the True Point of Beginning.

Situate in the County of Spokane, State of Washington.

INDEX TO PLAN SET

- C1.0 COVER SHEET
- ~~C1.1 EROSION & SEDIMENT CONTROL PLAN~~
NOT INCLUDED IN RECORD DRAWINGS
- ST1.1 OSWALD STREET - STREET/STORM
STA: 13+53.25 TO 17+96.32
- ST1.2 12TH AVENUE - STREET/STORM
STA: 5+51.95 TO 11+30.25
- SS1.1 OSWALD STREET - SEWER
- WA1.1 OSWALD STREET - WATER
- WA1.2 12TH AVENUE - WATER

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE SIDEWALK
- EXISTING CONCRETE SIDEWALK
- PROPOSED CONCRETE DRIVEWAY
- PROPOSED CATCH BASIN
- EXISTING GROUND CONTOUR

UTILITY LOCATE NOTE:
ALL UTILITIES SHALL BE LOCATED PRIOR TO CONSTRUCTION.
• CALL 2 BUSINESS DAYS BEFORE YOU DIG
• 811 OR 1-800-424-5555

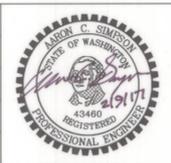
NOTE:
EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO UTILITIES LOCATED, AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND COOPERATE FULLY WITH EXISTING UTILITY DISTRICTS AND COMPANIES.

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

Alan Sijon 2/9/17
ENGINEER DATE

MJK	DATE	ADDRESS COMMENTS - SECOND SUBMITTAL TO SPO. CO.
MJK	9-23-2015	WIDEN 12TH AVENUE FOR IMPROVEMENTS TO THE SOUTH - THIRD SUBMITTAL TO SPO. CO.
MJK	12-23-2015	DITCH AND CB#9 LOCATION REVISIONS - FORTH SUBMITTAL TO SPO. CO.
MJK	1-11-2016	APPROVED MYLAR PLANS TO SPO. CO.
ACS	2-7-2017	RECORD DRAWINGS

BENCH MARK	SCALE	DATE
ELEVATION 2295.42 (NAVD88 DATUM)	HORIZONTAL 1"=50'	2/7/2017
DESCRIPTION SEWER MANHOLE RIM LOCATED IN THE INTERSECTION OF CAMPUS DRIVE & OSWALD STREET	VERTICAL 1"=10'	2/9/17
	CHECKED <i>ACS</i>	
	APPROVED _____	



Simpson Engineers, Inc.
Founded 1946
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE VALLEY WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

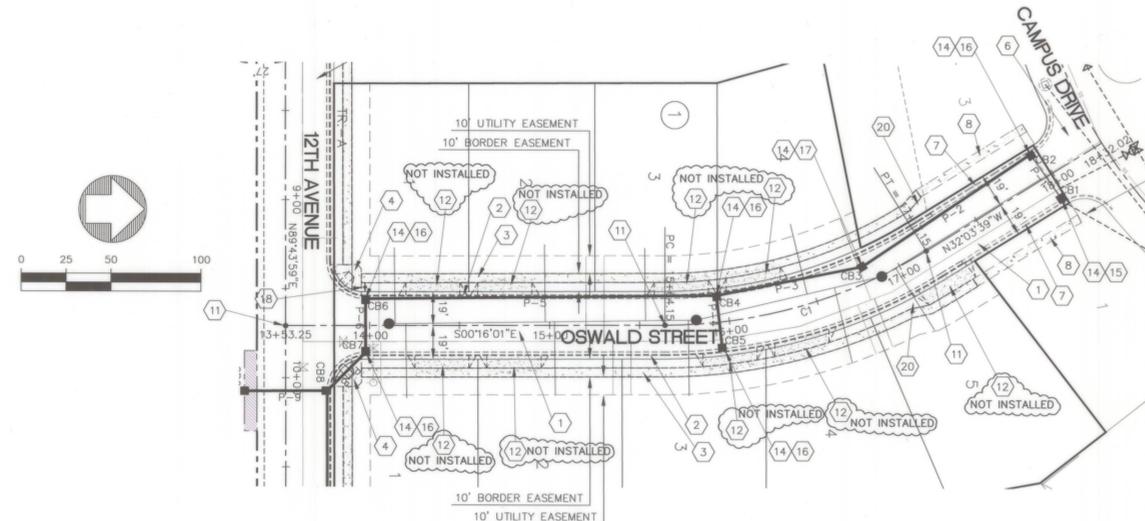
TYPE OF IMPROVEMENT:	
COVER	
PROJECT NUMBER	SHEET NUMBER
16332	C1.0

RECORD DRAWING
PILLAR ROCK ESTATES - 4TH ADDITION
COVER SHEET
THE SW1/4 OF SECTION 20, T.25 N., R.42 E.W.M.

PILLAR ROCK ESTATES 4TH ADDITION

PW-1959-05

A PLAT IN A PORTION OF THE NW1/4 OF OF
THE SW1/4 OF SECTION 20, T.25 N., R.42 E.W.M.
SPOKANE COUNTY, WASHINGTON

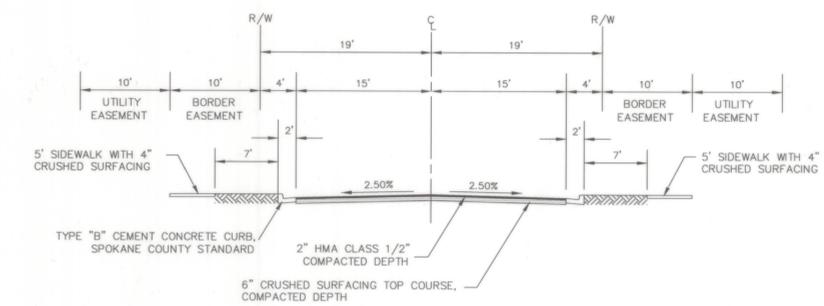


EXISTING 18" CPEP STORM PIPE
L: 58', S: 1.0% I.E. (S): 2290.20
STUB LOCATION TO BE VERIFIED BY
CONTRACTOR DUE TO INSUFFICIENT
AS-BUILT LOCATION INFORMATION

EXISTING STORM PIPE DRAINS TO AN EXISTING
STORM SYSTEM CONVEYING STORMWATER TO
EXISTING DETENTION POND FOR PILLAR ROCK
ESTATES - PHASE 1 FOR TREATMENT AND
DISPOSAL

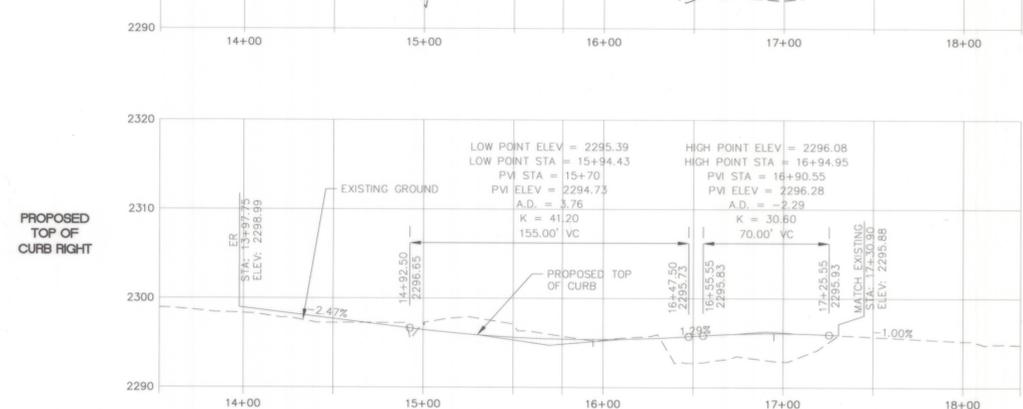
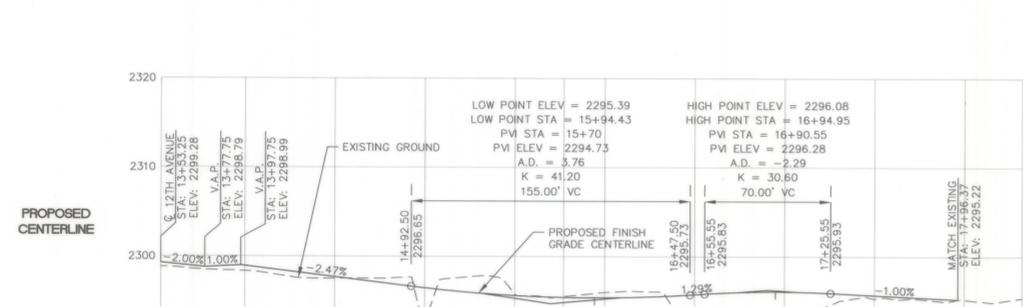
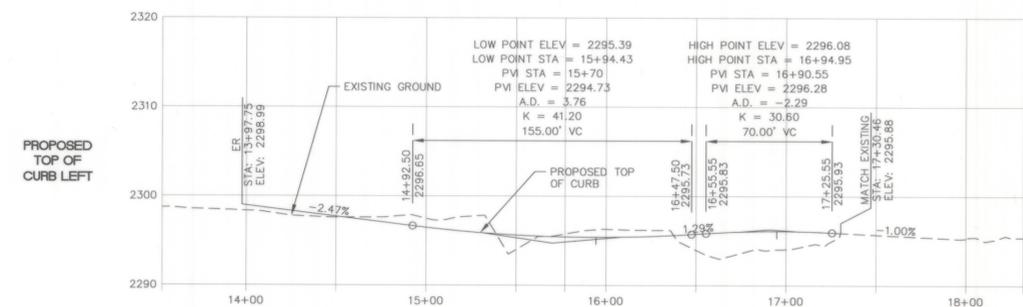
CENTERLINE INFORMATION

CURVE	LENGTH	DELTA	RADIUS	TANGENT
C1	153.00'	31°52'41"	275.00'	78.54'



TYPICAL SECTION: OSWALD STREET

NOT TO SCALE
REFERENCE GEOTECHNICAL EVALUATION
PREPARED BY INTERMOUNTAIN MATERIALS
TESTING & GEOTECHNICAL, DATED
NOVEMBER 13, 2015



CONSTRUCTION NOTES - STREET PLANS - SPOKANE COUNTY

1. INSTALL ASPHALT CONCRETE PAVEMENT PER SPO. CO. STDS.
2. INSTALL CONCRETE CURB AND GUTTER PER SPO. CO. STD. SHEET A-3
3. INSTALL 5' SIDEWALK PER SPO. CO. STD. SHEET A-1
4. INSTALL CURB RAMP PER SPO. CO. STD. SHEET A-5
5. CONSTRUCT ROAD SIDE V-DITCH PER STREET CROSS SECTION DETAIL
6. EXISTING ASPHALT PAVEMENT
7. EXISTING TYPE "B" CURB
8. EXISTING 5' WIDE CONCRETE SIDEWALK
9. INSTALL CURB INLET TYPE 1 PER SPO. CO. STD. SHEET B-8
10. END TYPE "B" CURB, CONSTRUCT 3' LONG NOSE DOWN
11. CENTERLINE MONUMENT TO BE SET BY PLS. AS SHOWN ON FINAL PLAT
12. CONSTRUCT 30' WIDE CONCRETE DRIVEWAY PER SPO. CO. STD. SHEET A-4
13. CONSTRUCT EDGE OF PAVEMENT ANGLE POINT
14. INSTALL CATCH BASIN 1 PER SPO. CO. STD. SHEET B-4 & B-7
15. INSTALL METAL FRAME AND GRATE TYPE 1 PER SPO. CO. STDS. SHEET B-12
16. INSTALL METAL FRAME AND GRATE TYPE 3 PER SPO. CO. STDS. SHEET B-14
17. INSTALL METAL FRAME AND SOLID "STORM" COVER PER SPO. CO. STDS. SHEET B-15
18. INSTALL STREET SIGN PER SPOKANE COUNTY STDS A-16, A-16A & A-16B
19. INSTALL TYPE III BARRICADE PER SPO. CO. STDS.
20. TRANSITION FROM 7' LANDSCAPING TO 10' LANDSCAPING PER SPO. CO. STDS.
21. INSTALL 12" CAP AND CONTRACTOR TO MARK END OF PIPE WITH VERTICAL 2X4

CATCH BASIN SCHEDULE

STRUCTURE	STATION	RIM	INVERT
OSWALD STREET			
CB1	17+96.48 (RT)	2294.71	2290.84
CB2	17+94.83 (LT)	2294.74	2291.15
CB3	16+80.84 (9.0' LT)	2295.83	2291.49
CB4	15+94.43 (LT)	2294.89	2291.74
CB5	15+94.43 (RT)	2294.89	2291.89
CB6	13+97.75 (LT)	2298.49	2292.71
CB7	13+97.75 (RT)	2298.49	2294.21
12TH AVENUE			
CB8	10+07.20 (LT)	2299.05	2294.36
CB9	10+07.20 (24.5' RT)	2298.39	2294.59
CB25	11+50.00 (LT)	2300.61	2293.08

PIPE SCHEDULE

PIPE	DIA. / MATERIAL	LENGTH	SLOPE	I.E. (IN)	I.E. (OUT)
P1	18" CPEP STORM PIPE	30.65'	1.00%	2291.15 (CB2)	2290.84 (CB1)
P2	18" CPEP STORM PIPE	112.80'	0.30%	2291.49 (CB3)	2291.15 (CB2)
P3	18" CPEP STORM PIPE	82.51'	0.30%	2291.74 (CB4)	2291.49 (CB3)
P4	12" CPEP STORM PIPE	30.18'	0.50%	2291.89 (CB5)	2291.74 (CB4)
P5	12" CPEP STORM PIPE	194.98'	0.50%	2292.71 (CB6)	2291.74 (CB4)
P6	12" CPEP STORM PIPE	30.20'	4.97%	2294.21 (CB7)	2292.71 (CB6)
P7	12" CPEP STORM PIPE	133.05'	0.50%	2295.03 (STUB)	2294.36 (CB8)
P8	12" CPEP STORM PIPE	30.27'	0.50%	2294.36 (CB8)	2294.21 (CB7)
P9	12" CPEP STORM PIPE	46.00'	0.50%	2294.59 (CB9)	2294.36 (CB8)

UTILITY LOCATE NOTE:
ALL UTILITIES SHALL BE LOCATED PRIOR TO CONSTRUCTION.
• CALL 2 BUSINESS DAYS BEFORE YOU DIG
• 811 OR 1-800-424-5555

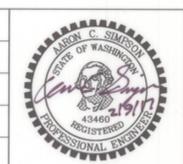
NOTE:
EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO TO UTILITIES LOCATED, AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND COOPERATE FULLY WITH EXISTING UTILITY DISTRICTS AND COMPANIES.

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

Car Sign 2/19/17
ENGINEER DATE

MJK	DATE	ADDRESS COMMENTS
MJK	9-23-2015	ADDRESS COMMENTS - SECOND SUBMITTAL TO SPO. CO.
MJK	12-15-2015	WIDEN 12TH AVENUE FOR IMPROVEMENTS TO THE SOUTH - THIRD SUBMITTAL TO SPO. CO.
MJK	12-23-2015	DITCH AND CB#9 LOCATION REVISIONS - FORTH SUBMITTAL TO SPO. CO.
MJK	1-11-2016	APPROVED MYLAR PLANS TO SPO. CO.
ACS	2-7-2017	RECORD DRAWINGS

BENCH MARK	SCALE	DATE
ELEVATION 2295.42 (NAVOD88 DATUM)	HORIZONTAL 1"=50'	2/7/2017
DESCRIPTION SEWER MANHOLE RIM LOCATED IN THE INTERSECTION OF CAMPUS DRIVE & OSWALD STREET	VERTICAL 1"=10'	2/19/17
DRAWN MJK		CHECKED ACS
APPROVED _____		



Simpson Engineers, Inc.
Founded 1946
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE VALLEY WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT: STREET	
PROJECT NUMBER 16332	SHEET NUMBER ST1.1

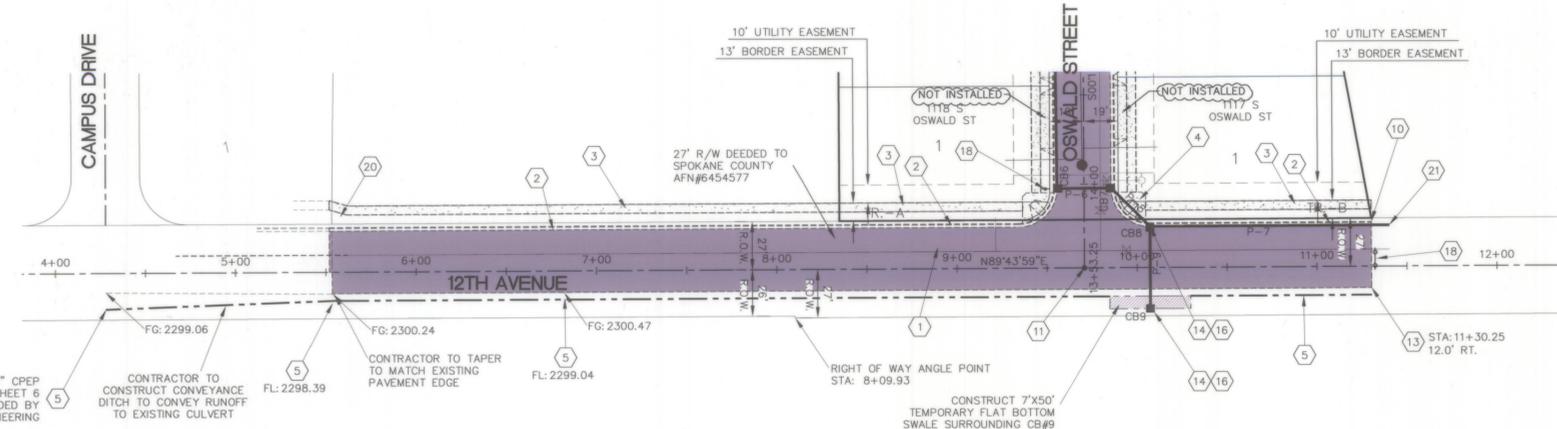
RECORD DRAWING
PILLAR ROCK ESTATES - 4TH ADDITION
OSWALD STREET
STATION 13+53.25 TO 17+96.32
THE SW1/4 OF SECTION 20, T.25 N., R.42 E.W.M.

P:\Projects\16300-16300-16332-Pillar Rock\dwg\16332-4th Addition Record Drawings.dwg 1/19/2017 3:00:39 PM PST

PILLAR ROCK ESTATES 4TH ADDITION

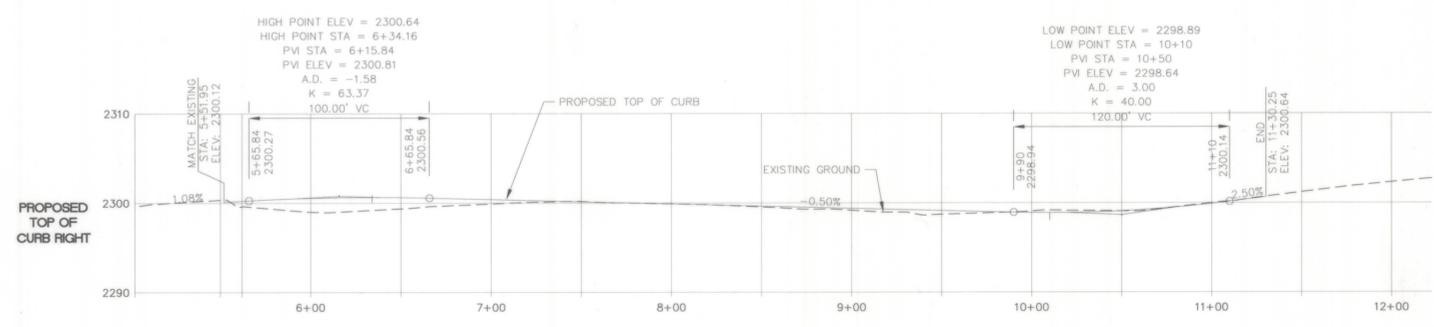
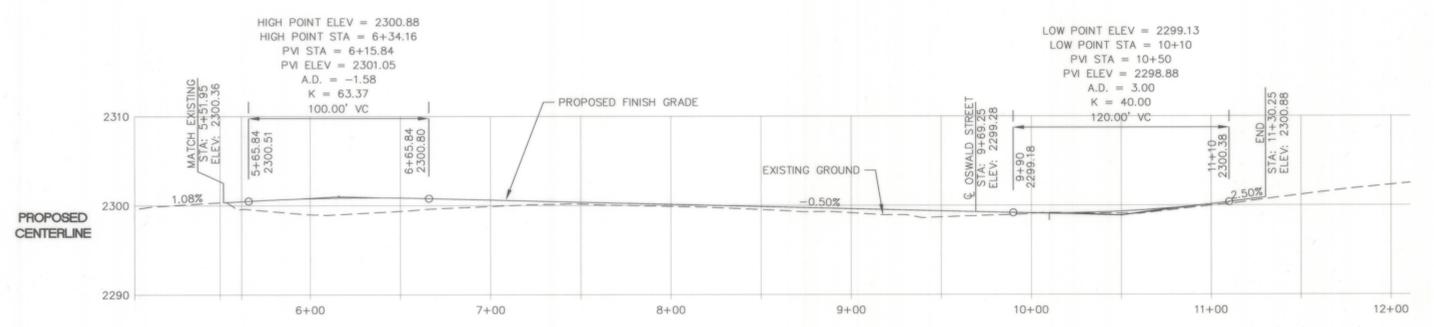
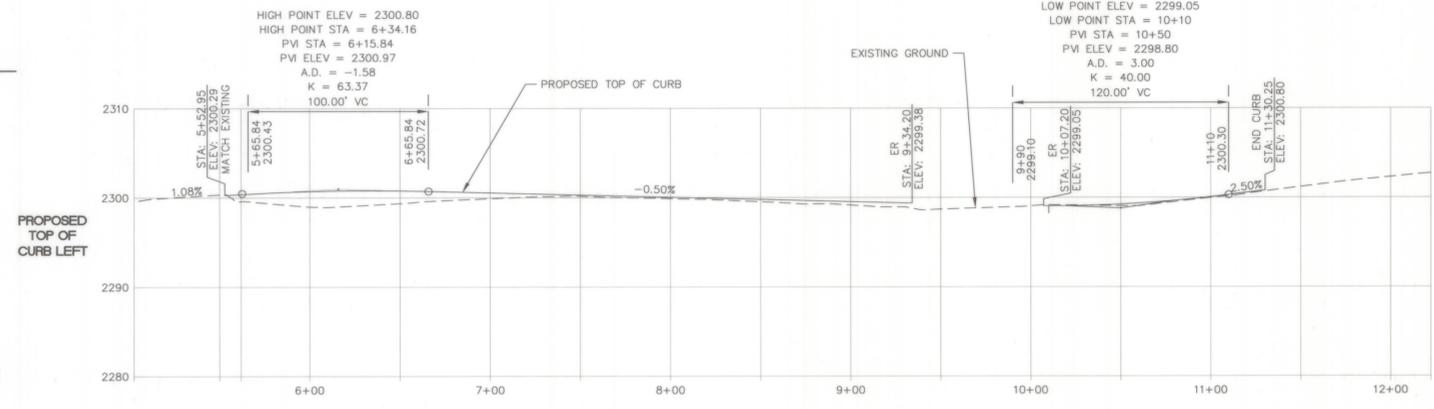
PW-1959-05

A PLAT IN A PORTION OF THE NW1/4 OF OF
THE SW1/4 OF SECTION 20, T.25 N., R.42 E.W.M.
SPOKANE COUNTY, WASHINGTON

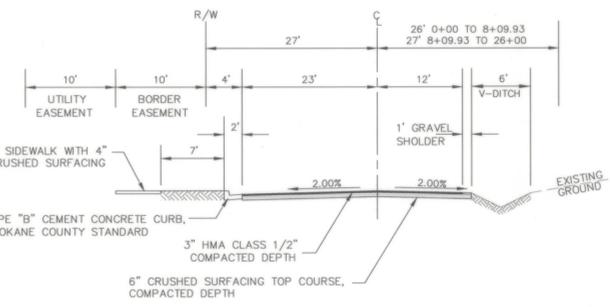
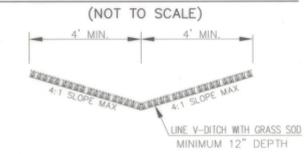


CONSTRUCTION NOTES - STREET PLANS - SPOKANE COUNTY

- 1 INSTALL ASPHALT CONCRETE PAVEMENT PER SPO. CO. STDS.
- 2 INSTALL CONCRETE CURB AND GUTTER PER SPO. CO. STD. SHEET A-3
- 3 INSTALL 5' SIDEWALK PER SPO. CO. STD. SHEET A-1
- 4 INSTALL CURB RAMP PER SPO. CO. STD. SHEET A-5
- 5 CONSTRUCT ROAD SIDE V-DITCH PER STREET CROSS SECTION DETAIL.
- 6 EXISTING ASPHALT PAVEMENT
- 7 EXISTING TYPE "B" CURB
- 8 EXISTING 5' WIDE CONCRETE SIDEWALK
- 9 INSTALL CURB INLET TYPE 1 PER SPO. CO. STD. SHEET B-8
- 10 END TYPE "B" CURB, CONSTRUCT 3' LONG NOSE DOWN
- 11 CENTERLINE MONUMENT TO BE SET BY PLS. AS SHOWN ON FINAL PLAT
- 12 CONSTRUCT 30' WIDE CONCRETE DRIVEWAY PER SPO. CO. STD. SHEET A-4 CURB CUT AND DRIVEWAY NOT INSTALLED AT THIS TIME
- 13 CONSTRUCT EDGE OF PAVEMENT ANGLE POINT
- 14 INSTALL CATCH BASIN 1 PER SPO. CO. STD. SHEET B-4 & B-7
- 15 INSTALL METAL FRAME AND GRATE TYPE 1 PER SPO. CO. STDS. SHEET B-12
- 16 INSTALL METAL FRAME AND GRATE TYPE 3 PER SPO. CO. STDS. SHEET B-14
- 17 INSTALL METAL FRAME AND SOLID "STORM" COVER PER SPO. CO. STDS. SHEET B-15
- 18 INSTALL STREET SIGN PER SPOKANE COUNTY STDS A-16, A-16A & A-16B
- 19 INSTALL TYPE III BARRICADE PER SPO. CO. STDS.
- 20 TRANSITION FROM 7' LANDSCAPING TO 10' LANDSCAPING PER SPO. CO. STDS.
- 21 INSTALL 12" CAP AND CONTRACTOR TO MARK END OF PIPE WITH VERTICAL 2X4



TYPICAL SECTION : V-DITCH



TYPICAL SECTION: 12TH AVENUE

NOT TO SCALE
REFERENCE GEOTECHNICAL EVALUATION
PREPARED BY INTERMOUNTAIN MATERIALS
TESTING & GEOTECHNICAL DATED
NOVEMBER 13, 2015

CATCH BASIN SCHEDULE

STRUCTURE	STATION	RIM	INVERT
CB1	17+96.48 (RT)	2294.71	2290.84
CB2	17+94.83 (LT)	2294.74	2291.15
CB3	16+80.84 (9'0" LT)	2295.83	2291.49
CB4	15+94.43 (LT)	2294.89	2291.74
CB5	15+94.43 (RT)	2294.89	2291.89
CB6	13+97.75 (LT)	2298.49	2292.71
CB7	13+97.75 (RT)	2298.49	2294.21
CB8	10+07.20 (LT)	2299.05	2294.36
CB9	10+07.20 (24.5' RT)	2298.39	2294.59
CB25	11+50.00 (LT)	2300.61	2293.08

PIPE SCHEDULE

PIPE	DIA. / MATERIAL	LENGTH	SLOPE	I.E. (IN)	I.E. (OUT)
P1	18" CPEP STORM PIPE	30.65'	1.00%	2291.15 (CB2)	2290.84 (CB1)
P2	18" CPEP STORM PIPE	112.80'	0.30%	2291.49 (CB3)	2291.15 (CB2)
P3	18" CPEP STORM PIPE	82.51'	0.30%	2291.74 (CB4)	2291.49 (CB3)
P4	12" CPEP STORM PIPE	30.18'	0.50%	2291.89 (CB5)	2291.74 (CB4)
P5	12" CPEP STORM PIPE	194.98'	0.50%	2292.71 (CB6)	2291.74 (CB4)
P6	12" CPEP STORM PIPE	30.20'	4.97%	2294.21 (CB7)	2292.71 (CB6)
P7	12" CPEP STORM PIPE	133.05'	0.50%	2295.03 (STUB)	2294.36 (CB8)
P8	12" CPEP STORM PIPE	30.27'	0.50%	2294.36 (CB8)	2294.21 (CB7)
P9	12" CPEP STORM PIPE	46.00'	0.50%	2294.59 (CB9)	2294.36 (CB8)

UTILITY LOCATE NOTE:
ALL UTILITIES SHALL BE LOCATED PRIOR TO CONSTRUCTION.
• CALL 2 BUSINESS DAYS BEFORE YOU DIG
• 811 OR 1-800-424-5555

NOTE:
EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO TO UTILITIES LOCATED, AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND COOPERATE FULLY WITH EXISTING UTILITY DISTRICTS AND COMPANIES.

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

Alan Sign
ENGINEER 2/9/17 DATE

MJK	9-23-2015	ADDRESS COMMENTS - SECOND SUBMITTAL TO SPO. CO.
MJK	12-15-2015	WIDEN 12TH AVENUE FOR IMPROVEMENTS TO THE SOUTH - THIRD SUBMITTAL TO SPO. CO.
MJK	12-23-2015	DITCH AND CB#9 LOCATION REVISIONS - FORTH SUBMITTAL TO SPO. CO.
MJK	1-11-2016	APPROVED MYLAR PLANS TO SPO. CO.
ACS	2-7-2017	RECORD DRAWINGS

BENCH MARK	SCALE	DATE
ELEVATION 2295.42 (NAVD88 DATUM)	HORIZONTAL 1"=50'	2/7/2017
DESCRIPTION SEWER MANHOLE RIM LOCATED IN THE INTERSECTION OF CAMPUS DRIVE & OSWALD STREET	VERTICAL 1"=10'	2/9/17
	CHECKED ACS	
	APPROVED	



Founded 1946
Simpson Engineers, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
N. 909 ARGONNE ROAD, SPOKANE VALLEY WA., 99212-2789
PHONE (509) 926-1322 FAX (509) 926-1323

TYPE OF IMPROVEMENT:	
STREET	
PROJECT NUMBER	SHEET NUMBER
16332	ST1.2

RECORD DRAWING
PILLAR ROCK ESTATES - 4TH ADDITION
12TH AVENUE
STATION 5+51.95 TO 11+30.25
THE SW1/4 OF SECTION 20, T.25 N., R.42 E.W.M.