

WATTS ENTERPRISES THE FAIRWAYS AT WOLF CREEK P.R.U.D., PHASE 4 & 5

CONSTRUCTION DRAWINGS

PROJECT CONTACTS

OWNER WATTS ENTERPRISES

5200 SOUTH HIGHLAND DRIVE, SUITE 101 SALT LAKE CITY, UT 84117 TEL: (801) 897-4880 CONTACT: RICK EVERSON EMAIL: RICK@WATTSENTERPRISES.COM

ENGINEER/CONSULTANT

515 SOUTH 700 EAST, SUITE 3F TEL: (801) 953-1357 FAX: (303) 770-3636 CONTACT: JEREMY TOONE EMAIL: JEREMYTOONE@GALLOWAYUS.COM

GALLOWAY & COMPANY INC. 515 SOUTH 700 EAST, SUITE 3F SALT LAKE CITY, UT 84102 TEL: (801) 953-1357

FAX: (303) 770-3636 CONTACT: NATE CHRISTENSEN EMAIL: NATECHRISTENSEN@GALLOWAYUS.COM

GEOTECHNICAL ENGINEER EARTHTEC ENGINEERING 1596 WEST 2650 SOUTH, SUITE 108 OGDEN, UT 84401 TEL: (801) 399-9516 FAX: (801) 399-9842 CONTACT: FRANK NAMDAR

EMAIL: FNAMDAR@EARTHTECENG.COM

UTILITY CONTACTS

WOLF CREEK WATER & SEWER IMPROVEMENT DISTRICT 3632 NORTH WOLF CREEK DRIVE EL: (801) 745-3435 CONTACT: ROB THOMAS EMAIL: RTHOMAS@WCWSID.COM

SECONDARY IRRIGATION

VOLF CREEK WATER & SEWER IMPROVEMENT DISTRICT 3632 NORTH WOLF CREEK DRIVE TEL: (801) 745-3435 CONTACT: ROB THOMAS EMAIL: RTHOMAS@WCWSID.COM

SANITARY SEWER

VOLF CREEK WATER & SEWER IMPROVEMENT DISTRICT 3632 NORTH WOLF CREEK DRIVE TEL: (801) 745-3435 CONTACT: ROB THOMAS EMAIL: RTHOMAS@WCWSID.COM

STORM SEWER

WEBER COUNT 2380 WASHINGTON BLVD. SUITE 240 OGDEN UT 84401 TEL: (801) 399-8374 CONTACT: BLAINE FRANDSEN EMAIL: BFRANDSEN@CO.WEBER.UT.US

ELECTRIC ROCKY MOUNTAIN POWER 1407 WEST NORTH TEMPLE SALT LAKE CITY, UT 84116 TEL: (503) 813-6993 CONTACT: JOEL SIMMONS EMAIL: GISDEPT@PACIFICORP.COM

QUESTAR GAS COMPANY 333 SOUTH STATE STREET SALT LAKE CITY, UT 84145 TEL: - (801) 324-3970 CONTÀCT: MAPPING DEPT.

TELEPHONE CENTURYLINK LOCAL NETWORK

CONTACT: ARLENE DENNEY EMAIL: ARLENE.DENNEY@CENTURYLINK.COM

2023 WEST 1300 NORTH

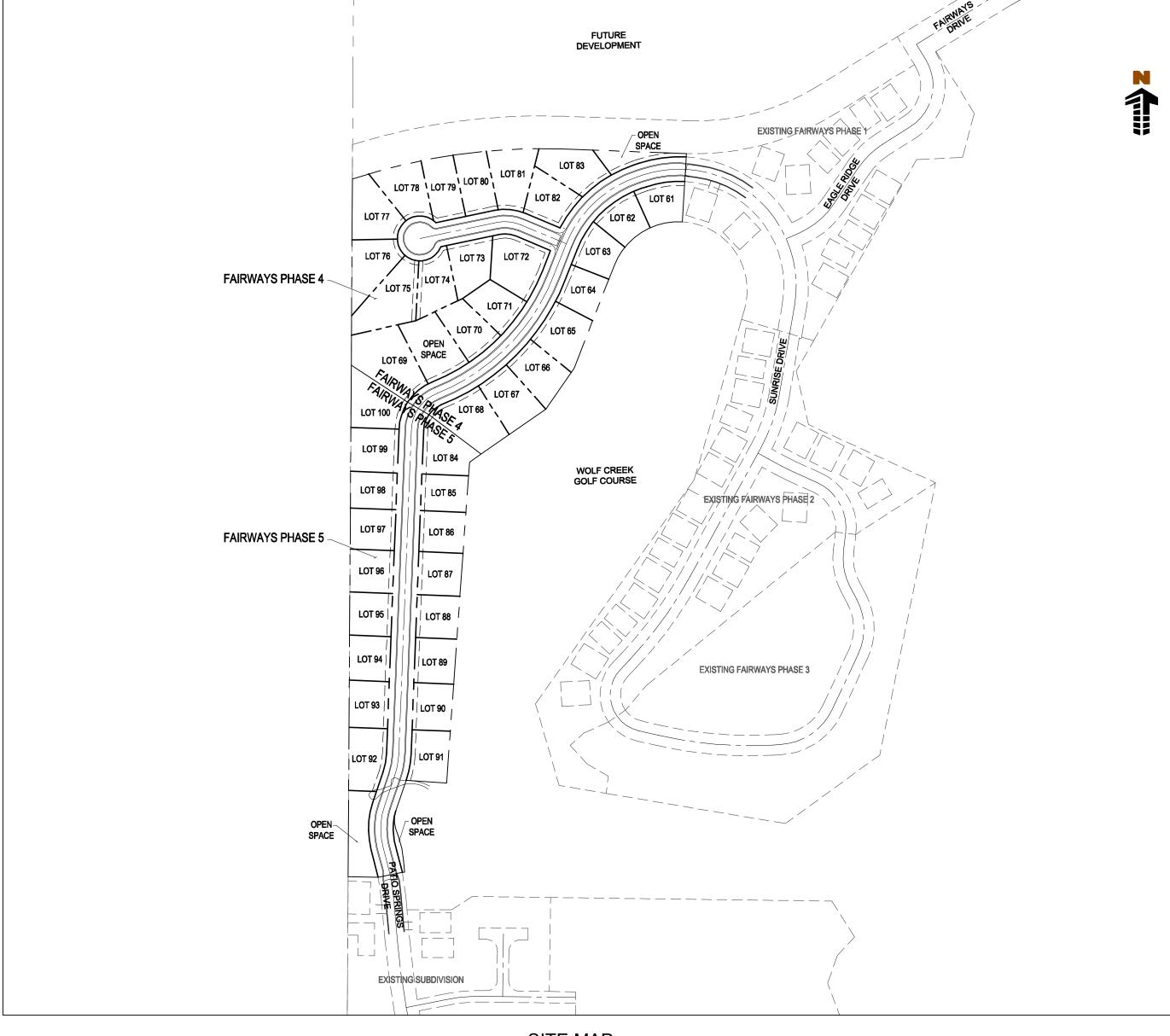
JURISDICTIONAL CONSTRUCTION NOTES

ALL IRRIGATION PIPE AND FITTINGS ARE TO MEET WOLF CREEK WATER & SEWER IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS.

ALL IRRIGATION PIPING AND FITTINGS IS TO BE C-900 PVC AND MUELLER FITTINGS (TEES, HYDRANTS, VALVES, ETC. UNLESS APPROVED OTHERWISE BY THE ENGINEER. ALL CULINARY WATER PIPE AND FITTINGS IS TO BE C-900 PVC AND MUELLER FITTINGS (TEES,

HYDRANTS, VALVES, ETC. UNLESS APPROVED OTHERWISE BY THE ENGINEER. ALL IRRIGATION LINES ARE REQUIRED TO MAINTAIN A MINIMUM OF 3' OF COVER TO FINISH

ALL CULINARY LINES ARE REQUIRED TO MAINTAIN A MINIMIM OF 5' OF COVER TO FINISH GRADE. REFERENCE WOLF CREEK WATER & SEWER IMPROVEMENT DISTRICT (WCWSID) STANDARDS AND SPECIFICATIONS FOR ALL WATER, SEWER, AND SECONDARY IRRIGATION IMPROVEMENTS. REFERENCE THE LATEST EDITION OF THE APWA (AND ALL AMENDMENTS) FOR STORM DRAIN IMPROVEMENTS.





# of 27	SHEET NUMBER	SHEET TITLE
1	C0.0	COVER
		SUBDIVISION PLAT PHASE 4
		SUBDIVISION PLAT PHASE 5
2	SP01	SITE PLAN
3	UT01	UTILITY PLAN
4	UT02	UTILITY PLAN
5	GR01	GRADING PLAN
6	GR02	GRADING PLAN
7	PP01	PLAN & PROFILE
8	PP02	PLAN & PROFILE
9	PP03	PLAN & PROFILE
10	PP04	PLAN & PROFILE
11	PP05	PLAN & PROFILE
12	EC01	EROSION CONTROL PLAN
13	EC02	EROSION CONTROL PLAN
14	EC03	EROSION CONTROL DETAILS (APV
15	EC04	EROSION CONTROL DETAILS (APV
16	EC05	EROSION CONTROL DETAILS (APV
17	DT01	SANITARY SEWER DETAILS (APW.
18	DT02	SANITARY SEWER DETAILS (APW.
19	DT03	WATER DETAILS (WCWSID)
20	DT04	STORM DRAIN DETAILS (APWA)
21	DT05	STORM DRAIN DETAILS (APWA)
22	DT06	STORM DRAIN DETAILS (APWA)
23	DT07	STORM DRAIN DETAILS
24	DT08	STORM DRAIN DETAILS
25	DT09	STORM DRAIN DETAILS
26	DT10	APWA DETAILS
27	DT11	SITE DETAILS
28	DT12	STREET LIGHT DETAILS
29	DT13	MONUMENT DETAILS

SHEET INDEX

GENERAL NOTES:

- 1. THE SITEWORK SHALL MEET OR EXCEED THE LATEST APWA STANDARD SITE SPECIFICATIONS.
- 2. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF SERVICES SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.
- 3. QUESTAR GAS FIELD ENGINEER TO DETERMINE THE FINAL LOCATION FOR ALL GAS LINES. 4. ROCKY MOUNTAIN POWER FIELD ENGINEER TO DETERMINE THE FINAL LOCATION OF ELECTRIC LINES
- 5. ENTIRE INSTALLATION SHALL MEET ALL APPLICABLE CODES
- 6. VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE.
- 7. SET PROPERTY CORNER PINS IN CONCRETE. IF PROPERTY CORNERS ARE DESTROYED BY CONTRACTOR, THE CONTRACTOR SHALL BEAR THE EXPENSE OF RELOCATING CORNERS BY A REGISTERED SURVEYOR.
- 8. GENERAL CONTRACTOR TO PERFORM GENERAL YARD AND BUILDING CLEAN-UP AT COMPLETION OF WORK.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE CITY, ITS AGENTS, OWNER OR ENGINEER AT ALL TIMES. DIMENSIONS SHALL BE ANNOTATED ON AS-BUILT RECORD DRAWINGS. AS-BUILT DRAWINGS ARE REQUIRED PRIOR TO ISSUANCE OF FINAL PAYMENT. AS BUILT DRAWINGS WILL BE SUPPLIED TO OWNER AND CITY/TOWN PRIOR TO FINAL PAYMENT.
- 10. CONTRACTOR RESPONSIBLE FOR ALL WORK NECESSARY FOR FINAL ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY, INCLUDING BUT NOT LIMITED TO AS-BUILT DRAWINGS, INSPECTIONS, TESTING REPORTS AND CERTIFICATIONS.
- 11. THE GENERAL CONTRACTOR'S SURVEYOR SHALL VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION
- 12. CONTRACTOR TO PROVIDE ALL EQUIPMENT AND PERSONNEL REQUIRED FOR FINAL APPROVAL OF ALL FACILITIES BY OWNER'S
- 13. NO WORK IS TO BEGIN UNTIL ALL PERMITS HAVE BEEN OBTAINED.
- 14. FINAL GRADES ARE SUBJECT TO MINOR CHANGE BY OWNER REPRESENTATIVE. NO GRADE CHANGES IN EXCESS OF 0.05' WITHOUT OWNER
- 15. ALL SPOT GRADES SHOWN ARE TO FLOWLINE UNLESS OTHERWISE NOTED.
- 16. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MINIMIZING DEPOSITION OF ONSITE SEDIMENTS ONTO SURROUNDING PUBLIC STREETS DURING CONSTRUCTION. REFER TO EROSION CONTROL PLANS AND DETAILS FOR INFORMATION.
- 17. GENERAL CONTRACTOR TO PROVIDE BARRICADE PROTECTION WITH FLASHING LIGHTS AROUND ALL FOOTINGS, EXCAVATIONS AND ALL
- 18. PROPOSED FLOWLINE ELEVATIONS DO NOT TAKE INTO ACCOUNT GUTTER DEPRESSIONS AT INLETS.
- 19. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 20. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE OR AS REQUIRED BY UTILITY PROVIDER.
- 21. SANITARY SEWER PIPE SHALL BE AS INDICATED ON THE UTILITY PLANS.
- 22. WATER LINES SHALL BE AS INDICATED ON THE UTILITY PLANS.
- 23. MINIMUM TRENCH WIDTH SHALL BE IN ACCORDANCE WITH THE GOVERNING AGENCIES CONSTRUCTION & DEVELOPMENT STANDARDS.
- 24. ALL WATER JOINTS ARE TO BE IN ACCORDANCE WITH WCWSID POLICY CONSTRUCTION & DEVELOPMENT STANDARDS. 25. ALL WATER AND SEWER UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) MIN. OR WHEN CROSSING 18" VERTICAL CLEARANCE MIN.
- (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE) UNLÈSS OTHERWISE INDICATED ON THE PLANS AND CONSISTENT WITH WCWSID CONSTRUCTION & DEVELOPMENT STANDARDS.
- 26. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5'-0" COVER ON ALL WATERLINES IN ACCORDANCE WITH WCWSID CONSTRUCTION & DEVELOPMENT STANDARDS.
 - 27. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
 - 28. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS IN UNPAVED AREAS. ALL MANHOLES SHALL HAVE WATER TIGHT LIDS.
 - 29. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
 - 30. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF WCWSID DISTRICT WITH REGARD TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
 - 31. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE
 - 32. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.

BENCHMARK

BENCHMARK: THE SITE BENCHMARK IS THE CENTER OF SECTION 22, TOWNSHIP 7 NORTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN. FOUND 3" WEBER COUNTY BRASS CAP. ELEVATION =5324.20'

NOTE: CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT

BASIS OF BEARING

THE NORTH LINE OF THE SOUTHWEST QUARTER OF SECTION 22, T.7N., R.1E., SALT LAKE BASE AND MERIDIAN, MONUMENTED ON THE WEST BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND ON THE EAST BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND IS CONSIDERED TO BEAR

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEEER PRIOR TO

WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY,

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY

THE HORIZONTAL AND VERTICAL LOCATION OF SUCH

ALTERNATIVE METHOD. REPORT INFORMATION TO THE

EXISTING UTILITY, EITHER THROUGH POTHOLING OR

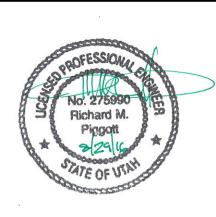
ENGINEER PRIOR TO CONSTRUCTION.



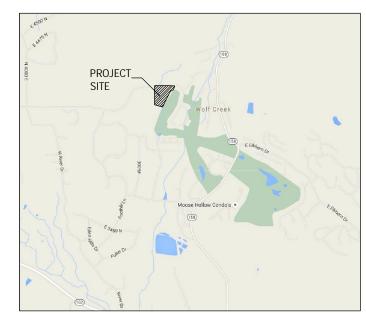
Call before you dig.

Trolley Corners Building 515 South 700 East, Suite 3F Salt Lake City, UT 84102 303.770.8884 O www.gallowayUS.com ©2015. Galloway & Company, Inc. All Rights Reserved





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NOT TO SCALE

SURVEYOR'S CERTIFICATE

I, LYLE BISSEGGER, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO. 376082, AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT BY AUTHORITY OF THE OWNERS I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW AND THAT THE REFERENCE MARKERS SHOWN ON THIS SUBDIVISION PLAT ARE LOCATED AS INDICATED AND ARE SUFFICIENT TO RETRACE OR REESTABLISH THE SURVEY. THAT THE INFORMATION SHOWN HEREIN IS SUFFICIENT TO ACCURATELY ESTABLISH THE LATERAL BOUNDARIES OF THE BELOW DESCRIBED TRACT OF REAL PROPERTY AND OF EACH OF THE LOTS LOCATED ON SAID TRACT AND THIS SUBDIVISION PLAT COMPLIES WITH THE PROVISIONS OF THE CURRENT SUBDIVISION AND ZONING ORDINANCE REGULATION OF WEBER COUNTY.

LEGAL DESCRIPTION

A PARCEL OF LAND SITUATED IN THE NORTHWEST QUARTER OF SECTION 22, T.7N., R.1E. OF THE SALT LAKE BASE AND MERIDIAN, EDEN, WEBER COUNTY, STATE OF UTAH, AND BEING MORE PARTICULARLY DESCRIBED AS

BASIS OF BEARING: THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 22, T.7N., R.1E. OF THE SALT LAKE BASE AND MERIDIAN, MONUMENTED ON THE SOUTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND ON THE NORTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND IS CONSIDERED TO BEAR N00°20'47"E.

COMMENCING AT THE WEST QUARTER CORNER OF SAID SECTION 32, THENCE N00°20'47"E ALONG THE WEST LINE OF SAID SECTION A DISTANCE OF 1648.70 FEET TO THE POINT OF BEGINNING:

THENCE N00°20'47"E ALONG THE WEST LINE OF SAID SECTION A DISTANCE OF 454.48 FEET TO A NON-TANGENT THENCE ALONG SAID CURVE TO THE RIGHT WHOSE CENTER BEARS \$18°20'59"E, HAVING A RADIUS OF 1460.00

FEET, A CENTRAL ANGLE OF 20°26'23" AND A LENGTH OF 520.84 FEET; THENCE S87°54'37"E, A DISTANCE OF 302.48 FEET TO A POINT ON THE WEST LINE OF THE FAIRWAYS AT WOLF CREEK PRUD PHASE 1, AMENDED;

THENCE S03°20'53"W, A DISTANCE OF 166.90 FEET ALONG THE WEST LINE OF SAID FAIRWAYS AT WOLF CREEK TO A NON-TANGENT CURVE;

THENCE ALONG SAID CURVE TO THE LEFT WHOSE CENTER BEARS S03°20'56"W, HAVING A RADIUS OF 168.00 FEET, A CENTRAL ANGLE OF 71°59'54" AND A LENGTH OF 211.11 FEET;

THENCE S21°21'04"W, A DISTANCE OF 269.33 FEET;

THENCE S34°43'01"W, A DISTANCE OF 121.50 FEET; THENCE S55°14'14"W, A DISTANCE OF 191.85 FEET;

THENCE N53°09'24"W, A DISTANCE OF 159.59 FEET;

THENCE N59°08'40"W, A DISTANCE OF 60.09 FEET; THENCE N56°49'08"W, A DISTANCE OF 164.53 FEET TO THE POINT OF BEGINNING;

CONTAINING 411,555SQUARE FEET, OR 9.45 ACRES MORE OR LESS.

OWNERS DEDICATION

SUBDIVIDE THE SAME INTO LOTS AND STREETS AS SHOWN ON THIS PLAT AND NAME SAID TRACT:

WE, THE UNDERSIGNED OWNERS OF THE HEREON DESCRIBED TRACT OF LAND, HEREBY SET APART AND

THE FAIRWAYS AT WOLF CREEK P.R.U.D., PHASE 4

AND DO HEREBY DEDICATE, GRANT AND CONVEY TO WEBER COUNTY, UTAH ALL THOSE PARTS OR PORTIONS OF SAID TRACT OF LAND DESIGNATED AS STREETS THE SAME TO BE USED AS PUBLIC THOROUGHFARES

AND HEREBY GRANT AND DEDICATE A PERPETUAL RIGHT AND EASEMENT OVER, UPON AND UNDER THE LANDS DESIGNATED ON THE PLAT AS PUBLIC UTILITY, STORM WATER DETENTION PONDS, DRAINAGE AND CANAL MAINTENANCE EASEMENTS, THE SAME TO BE USED FOR THE INSTALLATION, MAINTENANCE, AND OPERATION OF PUBLIC UTILITY SERVICE LINES. STORM DRAINAGE FACILITIES IRRIGATION CANALS OR FOR THE PERPETUAL PRESERVATION OF WATER DRAINAGE CHANNELS IN THEIR NATURAL STATE WHICHEVER IS APPLICABLE AS MAY AUTHORIZED BY WEBER COUNTY, UTAH, WITH NO BUILDINGS OR STRUCTURES BEING ERECTED WITHIN

SIGNED THIS THE	DAY OF	, 2016

EDEN VILLAGE LLC RUSS WATTS, MANAGING MEMBER

ACKNOWLEDGMENT	
STATE OF UTAH)
COUNTY OF WEBER) SS)

_ , 2016, PERSONALLY APPEARED BEFORE ME RUSS WATTS, WHO BEING BY ME DULY SWORN DID SAY THAT HE IS A MEMBER OF EDEN VILLAGE, L.L.C. AND THAT SAID INSTRUMENT WAS SIGNED IN BEHALF OF SAID L.L.C. BY A RESOLUTION OF ITS MEMBERS AND RUSS WATTS ACKNOWLEDGED TO ME THAT SAID L.L.C. EXECUTED THE SAME.

THE FAIRWAYS AT WOLF CREEK P.R.U.D. PHASE 4

A PORTION OF THE NORTHWEST QUARTER OF SECTION 22,

TOWNSHIP 7 NORTH, RANGE 1 EAST, SALT LAKE BASE & MERIDIAN

EDEN, COUNTY OF WEBER, STATE OF UTAH

DEVELOPER **EDEN VILLAGE LLC** 5200 S. HIGHLAND DRIVE STE 101 SALT LAKE CITY, UT 84117

NOTARY PUBLIC

PLAT NOTES

- 1. UNLESS OTHERWISE DIMENSIONED ON THIS PLAT, SETBACKS FOR THIS SUBDIVISION ARE AS FOLLOWS: FRONT= 20 FEET, REAR= 20 FEET, SIDE= 9 FEET, SIDE FACING STREET ON CORNER LOT=
- THIS PLAT IS SUBJECT TO THAT CERTAIN AMENDED AND RESTATED DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS OF THE FAIRWAYS AT WOLF CREEK PRUD ("NEIGHBORHOOD DECLARATION") EXECUTED BY FAIRWAYS AT WOLF CREEK, LLC ("DECLARANT") AS WELL AS THAT CERTAIN MASTER DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS FOR WOLF CREEK RESORT ("MASTER DECLARATION") EXECUTED BY WOLF CREEK PROPERTIES, LC ("MASTER DEVELOPER"). BOTH NEIGHBORHOOD DECLARATION AND MASTER DECLARATION HAVE BEEN RECORDED IN THE OFFICE OF THE WEBER COUNTY RECORDER WHICH SHALL SET FORTH THE RESTRICTIONS AND GENERAL PLAN OF IMPROVEMENT FOR THE PROPERTY DESCRIBED IN THIS PLAT. CERTAIN TERMS NOT OTHERWISE DEFINED IN THIS PLAT SHALL HAVE THE MEANINGS SET FORTH IN THE NEIGHBORHOOD DECLARATION OR MASTER DECLARATION.
- PURSUANT TO THE NEIGHBORHOOD DECLARATION, THE FAIRWAYS AT WOLF CREEK OWNERS ASSOCIATION, INC., A UTAH NONPROFIT CORPORATION ("COMMUNITY ASSOCIATION") IS RESPONSIBLE FOR MAINTAINING ALL COMMUNITY AREAS, IF ANY, AND SHALL HAVE A PERPETUAL NON-EXCLUSIVE EASEMENT OVER ALL PARCELS FOR SUCH MAINTENANCE PURPOSES AS FURTHER DESCRIBED IN THE NEIGHBORHOOD DECLARATION.
- AS FURTHER DESCRIBED IN THE NEIGHBORHOOD DECLARATION, ALL LOTS, AND ALL RESIDENCES AND IMPROVEMENTS CONSTRUCTED THEREON, SHALL COMPLY WITH THE ARCHITECTURAL CONTROL COMMITTEE ("COMMITTEE"). NO CONSTRUCTION, INSTALLATION, OR OTHER WORK WHICH IN ANY WAY ALTERS THE APPEARANCE OF ANY PROPERTY OR LOT WITHIN THE PROJECT, OR ANY RESIDENCES OR IMPROVEMENTS LOCATED THEREON, SHALL BE MADE OR DONE WITHOUT COMPLIANCE WITH THE COMMITTEE AS DESCRIBED IN THE NEIGHBORHOOD DECLARATION.
- AS FURTHER DESCRIBED IN THE MASTER DECLARATION, ALL LOTS, AND ALL RESIDENCES AND IMPROVEMENTS CONSTRUCTED THEREON, SHALL COMPLY WITH THE DESIGN REVIEW BOARD ("BOARD"). NO CONSTRUCTION, INSTALLATION, OR OTHER WORK WHICH IN ANY WAY ALTERS THE APPEARANCE OF ANY PROPERTY OR LOT WITHIN THE PROJECT, OR ANY RESIDENCES OR IMPROVEMENTS LOCATED THEREON, SHALL BE MADE OR DONE WITHOUT COMPLIANCE WITH THE BOARD AS DESCRIBED IN THE MASTER DECLARATION.
- THE NEIGHBORHOOD DECLARATION SETS FORTH THE TERMS AND RESTRICTIONS FOR NIGHTLY RENTALS AND LEASING OF LOTS WITHIN THE PROJECT.

NARRATIVE

THIS SURVEY AND SUBSEQUENT SUBDIVISION PLAT WERE COMPLETED AT THE REQUEST OF THE "EDEN VILLAGE LLC" FRO THE PURPOSE OF SUBDIVIDING THEIR PROPERTY TO CREATE RESIDENTIAL LOTS.

THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 22, T.7N., R.1E. OF THE SALT LAKE BASE AND MERIDIAN, MONUMENTED ON THE SOUTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND ON THE NORTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND IS CONSIDERED TO BEAR N00°20'47"E.

		CURV	E TABLE		
CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD
C1	285.00	106.99	021°30'30"	N82°14'55"E	106.36
C2	285.00	249.42	050°08'36"	N46°25'22"E	241.54
C3	510.00	416.50	046°47'29"	N44°44'48"E	405.02
C4	100.00	59.80	034°15'47"	N51°00'39"E	58.91
C5	100.00	60.01	034°22'55"	S84°31'55"E	59.11
C6	285.00	246.14	049°28'58"	S46°45'11"W	238.56
C7	285.00	3.29	000°39'38"	S21°40'53"W	3.29
C8	254.52	95.55	021°30'30"	N82°13'42"E	94.99
С9	255.00	19.70	004°25'35"	N69°16'53"E	19.70
C10	255.00	124.85	028°03'07"	N53°02'32"E	123.60
C11	255.00	78.62	017°39'55"	N30°11'01"E	78.31
C12	540.00	57.75	006°07'40"	N24°24'54"E	57.73
C13	540.00	110.86	011°45'45"	N33°21'37"E	110.66
C14	540.00	86.01	009°07'32"	N43°48'15"E	85.92
C15	540.00	85.71	009°05'38"	N52°54'50"E	85.62
C16	540.00	100.67	010°40'54"	N62°48'06"E	100.53
C17	70.00	40.27	032°57'54"	N51°39'36"E	39.72
C18	130.00	67.45	029°43'35"	N48°02'39"E	66.69
C19	130.00	11.88	005°14'06"	N65°31'30"E	11.87
C20	480.00	101.53	012°07'11"	N62°04'57"E	101.34
C21	480.00	101.86	012°09'33"	N49°56'35"E	101.67
C22	480.00	104.03	012°25'05"	N37°39'17"E	103.83
C23	480.00	84.57	010°05'40"	N26°23'54"E	84.46
C24	70.00	42.01	034°22'55"	N84°31'55"W	41.38
C25	55.00	7.88	008°12'50"	S48°53'08"E	7.88
C26	55.00	68.65	071°30'41"	S57°05'19"W	64.28
C27	55.00	37.06	038°36'36"	N67°51'02"W	36.37
C28	55.00	45.33	047°13'25"	N24°56'02"W	44.06
C29	55.00	50.79	052°54'38"	N25°08'00"E	49.00
C30	55.00	72.40	075°25'08"	N89°17'53"E	67.28
C31	130.00	10.01	004°24'42"	N80°28'59"E	10.01
C32	130.00	61.23	026°59'14"	S83°49'03"E	60.67
C33	130.00	6.77	002°58'59"	S68°49'57"E	6.77
C34	315.00	93.52	017°00'36"	N36°02'27"E	93.17
C35	315.00	88.77	016°08'46"	N52°37'08"E	88.47
C36	315.00	59.39	010°48'09"	N66°05'36"E	59.30
C37	315.00	118.43	021°32'28"	N82°15'54"E	117.73
C38	1460.00	57.52	002°15'26"	N89°02'20"W	57.52
C39	1460.00	129.05	005°03'53"	S87°18'01"W	129.01
C40	1460.00	81.42	003°11'43"	S83°10'13"W	81.41
C41	1460.00	79.27	003°06'40"	S80°01'02"W	79.26
C42	1460.00	131.80	005°10'20"	S75°52'32"W	131.75
C43	1460.00	41.77	001°38'22"	S72°28'11"W	41.77
C44	168.00	80.73	027°32'00"	S79°34'56"W	79.96
C45	168.00	78.69	026°50'08"	S52°23'52"W	77.97
044	1/0.00	F1 /0	017007145"	COORDOILLINA	F1 40

WEBER COUNTY ATTORNEY

I HAVE EXAMINED THE FINANCIAL GUARANTEE AND OTHER DOCUMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT AND IN MY OPINION THEY CONFORM WITH THE COUNTY ORDINANCE APPLICABLE THERETO AND NOW IN FORCE AND AFFECT. SIGNED THIS

		<u></u>	
SIGNATURE			

WEBER COUNTY SURVEYOR
I HEREBY CERTIFY THAT THE WEBER COUNTY SURVEYOR'S OFFICE
HAS REVIEWED THIS PLAT FOR MATHEMATICAL CORRECTNESS,
SECTION CORNER DATA AND FOR HARMONY WITH LINES AND
MONUMENTS ON RECORD IN THE COUNTY OFFICES. THE APPROVAL
OF THIS PLAT BY THE WEBER COUNTY SURVEYORS DOES NOT
RELIEVE THE LICENSED LAND SURVEYOR WHO EXECUTED THIS PLAT
FROM RESPONSIBILITIES AND/OR LIABILITIES ASSOCIATED
THEREWITH, SIGNED THIS DAY OF

SECTION 22, T.7N, R.1E, SALT LAKE BASE & MERIDIAN

FND 3" BRASS CAP WEBER COUNTY

NORTHWEST CORNER SECTION 22, T.7N, R.1E,

— 15' SETBACK

14851 sa.ft.

0.341 acres

15' STORM DRAIN EASEMENT

N88°40'41"E 110.69'

BEGINNING

0.425 acres

21088 sq.ft. 0.484 acres

- 10' SETBACK

WEBER COUNTY

SALT LAKE BASE & MERIDIAN FND 3" BRASS CAP

D=20°26'23"

R=1460.00

CB=N81°52'12"E

15' STORM DRAIN

12140 sq.ft.

EASEMENT

__L=520.84

C=518.08

I HEREBY CERTIFY THA	AT THE REQUIRED PU	BLIC IMPROVEMENT
STANDARDS AND DRAV	WINGS FOR THIS SUB	DIVISION CONFORM WITH
COUNTY STANDARDS A	AND THE AMOUNT OF	THE FINANCIAL
GUARANTEE IS SUFFIC	CIENT FOR THE INSTA	LLATION OF THESE
IMPROVEMENT.		
SIGNED THIS	DAY OF	<u> </u>

11 12 13 14 15 15 15 15 15 15 15	1328 0.30	12210 sq.ft. 0.280 acres 10' P.U.E.	LOT 82 11918 sq.ft. 0.274 acres	15' SETBACK LOT 62 10027 sq.ft. 0.330 opens	15' SETBACK LOT 61 0190 sq.ft234 acres 15' SETBACK C44 59' CB=N38 3751 W C=426.04 LOT 7 PAUL LUSK AND CORY LUSK 3136 LOWER SADDLEBACK RD 7.23' 7.23'	
THE STATE OF THE PARTY AND THE STATE OF THE	99 sq.ft.	## FAIRWAYS TRY PUBLIC RIGHT-OF-W PUBLIC RIGHT-O	ALL SO	D=71°59 R=168.0 LOT 63 10163 sq.ft. 0.233 acres 15' SETBACK 15' SETBACK 15' SETBACK LOT 64 10258 sq.ft.	LOT RANDY LE STEFANIE 1208 E RC ORANG 0 1 1°20'59"W	ERER AND E LERER OSE AVE. GE, CA
ALDUCT CORRES MS. ECORREDO 179 STENCY 19 STENCY 10 STENC	10' SETBACI 160.91'	COMMON AREA 16075 sq.ft. 0.369 acres	LOT 65 13967 sq.ft. 0.321 acres 15' SETBACK 15' SETBACK 15' SETBACK 15' SETBACK 15' SETBACK	WCU LLC DBA WOLF CREEK UTAH LLC PARCEL NO. 22-017-0009	0 10 20 50	
I HEREBY CERTIFY THAT THE REQUIRED PUBLIC IMPROVEMENT STANDARDS AND DRAWINGS FOR THIS SUBDIVISION CONFORM WITH COUNTY STANDARDS AND THE AMOUNT OF THE FINANCIAL GUARANTEE IS SUFFICIENT FOR THE INSTALLATION OF THESE IMPROVEMENT. SPLAT SIGNED THIS COVAL SIGNED THIS SIGNED THIS THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF THE WOLF CREEK WATER AND SUBDIVISION PLAT, THE DEDICATION OF THE WOLF CREEK WATER AND SUBDIVISION PLAT, THE DEDICATION OF THE WOLF CREEK WATER AND SUBDIVISION PLAT, THE DEDICATION OF THE WOLF CREEK WATER AND SUBDIVISION PLAT, THE DEDICATION OF THE WOLF CREEK WATER AND SUBDIVIS		N59°08'40'W 30.06' 15' SETBACK 10' STORM DRAIN LOT 68 EASEMENT 16453 sq.ft. 0.378 acres 15' SETBACK 10' STORM DRAIN LOT 68 16453 sq.ft. 0.378 acres 15' SETBACK 10' SETBACK 10' SETBACK 10' SETBACK 10' SETBACK 10' SETBACK	13722 sq.ft. 0.315 acres 15' SETBACK 10' STORM DRAIN EASEMENT LINE LINE LENGT L1 12.485 L2 12.485 L3 12.485	ALIQUOT FOUND M AND CAP SET MON AND CAP PROPOSE PROPOSE H BEARING N71° 29' 40.26"E N71° 29' 40.26"E N71° 29' 40.26"E EXISTING EXISTING SET BACK	ONUMENT 5/8 REBAR (GARDENER ENG.) UMENT 5/8" REBAR PLS NO. 38069 ED CENTERLINE MONUMENT ED BOUNDARY LIMITS ED LOT LINE ED RIGHT OF WAY LINE G RIGHT OF WAY LINE G RIGHT OF WAY LINE C LINE	Planning. Architecture. Engineering Trolley Corners Building 515 South 700 East, Suite 3F Salt Lake City, UT 84102 303.770.8884 O www.gallowayUS.com 02015. Galloway & Company, Inc. All Rights Reserved RECORDED # STATE OF UTAH, COUNTY OF WEBER,
$\mathcal{L}_{\mathcal{L}}$, OVAL	I HEREBY CERTIFY THAT THE REQUIRED PUBLIC IMPROVEMENT STANDARDS AND DRAWINGS FOR THIS SUBDIVISION CONFORM WITH COUNTY STANDARDS AND THE AMOUNT OF THE FINANCIAL GUARANTEE IS SUFFICIENT FOR THE INSTALLATION OF THESE IMPROVEMENT.	THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT WAS DULY APPROVED BY THE WEBER COUNTY PLANNING COMMISSION ON THE	THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT, THE DEDICATION OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION THEREON ARE HEREBY APPROVED AND ACCEPTED BY THE COMMISSIONERS OF WEBER COUNTY, UTAH THIS DAY OF , 20 CHAIRMAN, WEBER COUNTY COMMISSION	THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT WAS DULY APPROVED BY THE WOLF CREEK WATER AND SEWER DISTRICT ON	DATE: TIME: BOOK: PAGE:
SIGNATURE CHAIRMAN-WEBER COUNTY PLANNING COMMISSION TITLE: GENERAL MANAGER WEBER COUNTY RECORDER		SIGNATURE	CHAIRMAN-WEBER COUNTY PLANNING COMMISSION	ATTEST: TITLE:	GENERAL MANAGER	WEBER COUNTY RECORDER

THE FAIRWAYS AT WOLF CREEK P.R.U.D., PHASE 4

A PORTION OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 7 NORTH, RANGE 1 EAST, SALT LAKE BASE & MERIDIAN

MARCH 2016

FAIRWAYS AT WOLF CREEK LLC

PARCEL NO. 22-017-0012

5200 S HIGHLAND DR #101

SALT LAKE CITY, UTAH

14114 sq.ft.

0.324 acres

15' STORM DRAIN

EASEMENT

13619 sq.ft.

0.313 acres

EDEN, COUNTY OF WEBER, STATE OFUTAH

S87°54'37"E 302.48'

R=285.00'

COMMON AREA

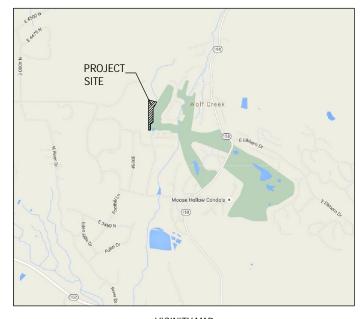
3 0.134 acres

5842 sq.ft.

C46 | 168.00 | 51.69 | 017°37'45" | S30°09'55"W | 51.49

. Day of

20	
COUNTY SURVEYOR	



NOT TO SCALE

SURVEYOR'S CERTIFICATE

I, LYLE BISSEGGER, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO. 376082 AS PRESCRIBED LINDER THE LAWS OF THE STATE OF LITAH L FURTHER CERTIFY THAT BY AUTHORITY OF THE OWNERS I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW AND THAT THE REFERENCE MARKERS SHOWN ON THIS SUBDIVISION PLAT ARE LOCATED AS INDICATED AND ARE SUFFICIENT TO RETRACE OR REESTABLISH THE SURVEY. THAT THE INFORMATION SHOWN HEREIN IS SUFFICIENT TO ACCURATELY ESTABLISH THE LATERAL BOUNDARIES OF THE BELOW DESCRIBED TRACT OF REAL PROPERTY AND OF EACH OF THE LOTS LOCATED ON SAID TRACT AND THIS SUBDIVISION PLAT COMPLIES WITH THE PROVISIONS OF THE CURRENT SUBDIVISION AND ZONING ORDINANCE REGULATION OF WEBER

LEGAL DESCRIPTION

A PARCEL OF LAND SITUATED IN THE NORTHWEST QUARTER OF SECTION 22, T.7N., R.1E. OF THE SALT LAKE BASE AND MERIDIAN, EDEN, WEBER COUNTY, STATE OF UTAH, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 22, T.7N., R.1E. OF THE SALT LAKE BASE AND MERIDIAN, MONUMENTED ON THE SOUTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND ON THE NORTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND IS CONSIDERED TO BEAR

COMMENCING AT THE WEST QUARTER CORNER OF SAID SECTION 32, THENCE N00°20'47"E ALONG THE WEST LINE OF SAID SECTION A DISTANCE OF 400.01 FEET TO THE POINT OF BEGINNING: THENCE N00°20'47"E ALONG THE WEST LINE OF SAID SECTION A DISTANCE OF 1248.69 FEET; THENCE S56°49'08"E, A DISTANCE OF 164.53 FEET

THENCE S59°08'40"E, A DISTANCE OF 60.09 FEET; THENCE S53°09'24"E, A DISTANCE OF 159.59 FEET THENCE S55°14'14"W, A DISTANCE OF 34.64 FEET;

THENCE S04°04'29W, A DISTANCE OF 785.51 FEE THENCE N86°01'15" W, A DISTANCE OF 98.86 FEET;

WOLF CREEK TO THE POINT OF BEGINNING,

THENCE S18°46'41"W, A DISTANCE OF 78.02 FEET TO A POINT OF CURVATURE: THENCE ALONG SAID CURVE TO THE LEFT WHOSE CENTER BEARS S71°13'19"E, HAVING A RADIUS OF 70.00 FEET. A CENTRAL ANGLE OF 37°57'45" AND A LENGTH OF 46.38 FEET:

THENCE S19°11'06"E. A DISTANCE OF 19.91 FEET TO A POINT OF CURVATURE THENCE ALONG SAID CURVE TO THE RIGHT WHOSE CENTER BEARS S70°48'54"W, HAVING A RADIUS OF 230.00 FEET. A CENTRAL ANGLE OF 14°38'43" AND A LENGTH OF 58.79 FEET: THENCE S04°36'50"E, A DISTANCE OF 28.67 FEET

THENCE S85°23'10"W, A DISTANCE OF 5.49 FEET TO A POINT ON THE NORTH LINE OF FAIRWAY OAKS AT WOLF CREEK PRUD PHASE 1, 1ST AMENDMENT; THENCE S78°24'08"W, A DISTANCE OF 60.00 FEET ALONG THE NORTH LINE OF SAID FAIRWAY OAKS AT THENCE N89°14'39"W, A DISTANCE OF 73.37 FEET ALONG THE NORTH LINE OF SAID FAIRWAY OAKS AT

CONTAINING 276,979 SQUARE FEET, OR 6.36 ACRES MORE OR LESS.

OWNERS DEDICATION

WE, THE UNDERSIGNED OWNERS OF THE HEREON DESCRIBED TRACT OF LAND, HEREBY SET APART AND SUBDIVIDE THE SAME INTO LOTS AND STREETS AS SHOWN ON THIS PLAT AND NAME SAID

THE FAIRWAYS AT WOLF CREEK P.R.U.D., PHASE 5

SIGNED THIS THE _____ DAY OF _____, 2016

AND DO HEREBY DEDICATE, GRANT AND CONVEY TO WEBER COUNTY, UTAH ALL THOSE PARTS OR PORTIONS OF SAID TRACT OF LAND DESIGNATED AS STREETS THE SAME TO BE USED AS PUBLIC THOROUGHFARES FOREVER.

AND HEREBY GRANT AND DEDICATE A PERPETUAL RIGHT AND EASEMENT OVER, UPON AND UNDER THE LANDS DESIGNATED ON THE PLAT AS PUBLIC UTILITY, STORM WATER DETENTION PONDS, DRAINAGE AND CANAL MAINTENANCE EASEMENTS, THE SAME TO BE USED FOR THE INSTALLATION, MAINTENANCE, AND OPERATION OF PUBLIC UTILITY SERVICE LINES, STORM DRAINAGE FACILITIES IRRIGATION CANALS OR FOR THE PERPETUAL PRESERVATION OF WATER DRAINAGE CHANNELS IN THEIR NATURAL STATE WHICHEVER IS APPLICABLE AS MAY AUTHORIZED BY WEBER COUNTY, UTAH, WITH NO BUILDINGS OR STRUCTURES BEING ERECTED WITHIN SUCH EASEMENTS.

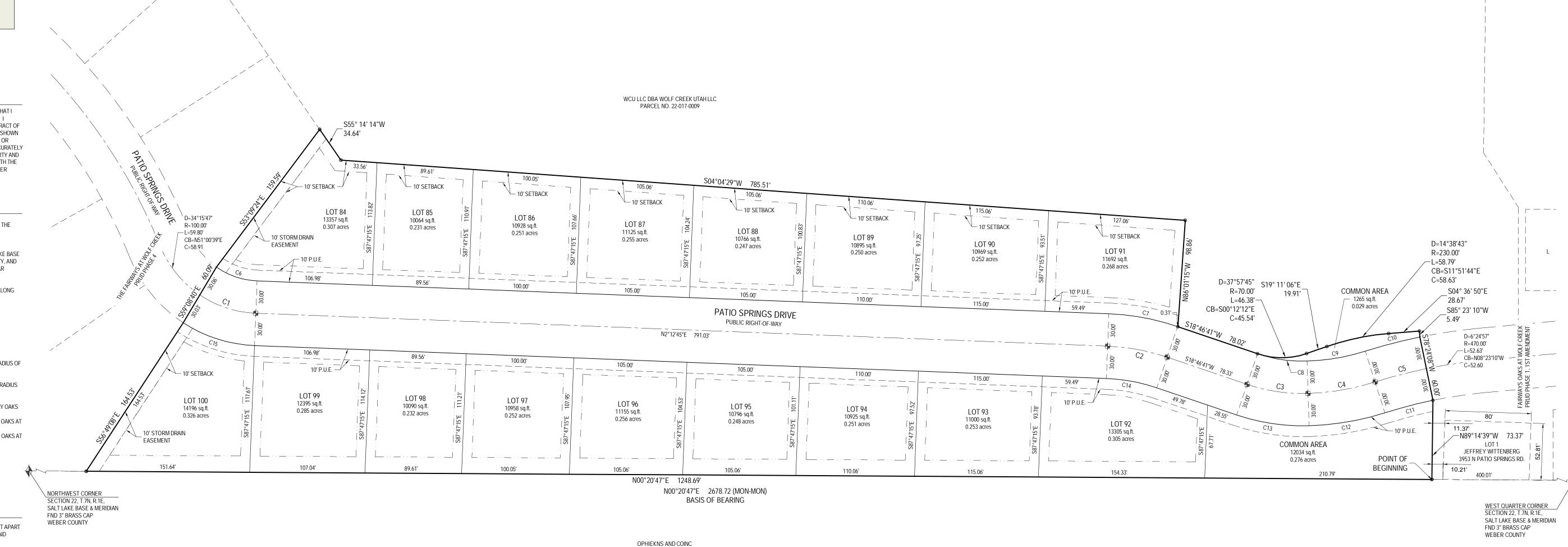
EDEN VILLAGE LLC RUSS WATTS, MANAGING MEMBER		_			
ACKNOWLEDGMEN	T				
STATE OF UTAH)) SS		
COUNTY OF WEB	ER) 33		
ON THIS	DAY OF		, 2016		

, 2016, PERSONALLY APPEARED BEFORE ME RUSS WATTS, WHO BEING BY ME DULY SWORN DID SAY THAT HE IS A MEMBER OF EDEN VILLAGE, L.L.C. AND THAT SAID INSTRUMENT WAS SIGNED IN BEHALF OF SAID L.L.C. BY A RESOLUTION OF ITS MEMBERS AND RUSS WATTS ACKNOWLEDGED TO ME THAT SAID L.L.C. EXECUTED THE SAME.

NOTARY PUBLIC

THE FAIRWAYS AT WOLF CREEK P.R.U.D., PHASE 5

A PORTION OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 7 NORTH, RANGE 1 EAST, SALT LAKE BASE & MERIDIAN EDEN, COUNTY OF WEBER, STATE OFUTAH MARCH 2016



PARCEL NO. 22-015-0090

SIGNED THIS

SIGNATURE

1. UNLESS OTHERWISE DIMENSIONED ON THIS PLAT, SETBACKS FOR THIS SUBDIVISION ARE AS FOLLOWS: FRONT= 15 FEET, REAR= 15 FEET, SIDE= 9 FEET, SIDE FACING STREET ON CORNER LOT=

2. THIS PLAT IS SUBJECT TO THAT CERTAIN AMENDED AND RESTATED DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS OF THE FAIRWAYS AT WOLF CREEK PRUD ("NEIGHBORHOOD DECLARATION") EXECUTED BY FAIRWAYS AT WOLF CREEK, LLC ("DECLARANT") AS WELL AS THAT CERTAIN MASTER DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS FOR WOLF CREEK RESORT ("MASTER DECLARATION") EXECUTED BY WOLF CREEK PROPERTIES, LC ("MASTER DEVELOPER"). BOTH NEIGHBORHOOD DECLARATION AND MASTER DECLARATION HAVE BEEN RECORDED IN THE OFFICE OF THE WEBER COUNTY RECORDER WHICH SHALL SET FORTH THE RESTRICTIONS AND GENERAL PLAN OF IMPROVEMENT FOR THE PROPERTY DESCRIBED IN THIS PLAT. CERTAIN TERMS NOT OTHERWISE DEFINED IN THIS PLAT SHALL HAVE THE MEANINGS SET FORTH IN THE NEIGHBORHOOD DECLARATION OR MASTER DECLARATION.

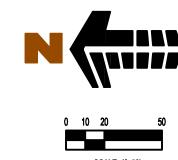
3. PURSUANT TO THE NEIGHBORHOOD DECLARATION, THE FAIRWAYS AT WOLF CREEK OWNERS ASSOCIATION, INC., A UTAH NONPROFIT CORPORATION ("COMMUNITY ASSOCIATION") IS RESPONSIBLE FOR MAINTAINING ALL COMMUNITY AREAS, IF ANY, AND SHALL HAVE A PERPETUAL NON-EXCLUSIVE EASEMENT OVER ALL PARCELS FOR SUCH MAINTENANCE PURPOSES AS FURTHER DESCRIBED IN THE NEIGHBORHOOD DECLARATION.

4. AS FURTHER DESCRIBED IN THE NEIGHBORHOOD DECLARATION, ALL LOTS, AND ALL RESIDENCES AND IMPROVEMENTS CONSTRUCTED THEREON, SHALL COMPLY WITH THE ARCHITECTURAL CONTROL COMMITTEE ("COMMITTEE"). NO CONSTRUCTION, INSTALLATION, OR OTHER WORK WHICH IN ANY WAY ALTERS THE APPEARANCE OF ANY PROPERTY OR LOT WITHIN THE PROJECT, OR ANY RESIDENCES OR IMPROVEMENTS LOCATED THEREON, SHALL BE MADE OR DONE WITHOUT COMPLIANCE WITH THE COMMITTEE AS DESCRIBED IN THE NEIGHBORHOOD DECLARATION.

5. AS FURTHER DESCRIBED IN THE MASTER DECLARATION, ALL LOTS, AND ALL RESIDENCES AND IMPROVEMENTS CONSTRUCTED THEREON, SHALL COMPLY WITH THE DESIGN REVIEW BOARD ("BOARD"). NO CONSTRUCTION, INSTALLATION, OR OTHER WORK WHICH IN ANY WAY ALTERS THE APPEARANCE OF ANY PROPERTY OR LOT WITHIN THE PROJECT, OR ANY RESIDENCES OR IMPROVEMENTS LOCATED THEREON, SHALL BE MADE OR DONE WITHOUT COMPLIANCE WITH THE BOARD AS DESCRIBED IN THE MASTER DECLARATION.

6. THE NEIGHBORHOOD DECLARATION SETS FORTH THE TERMS AND RESTRICTIONS FOR NIGHTLY RENTALS AND LEASING OF LOTS WITHIN THE PROJECT.

LEGEND ALIQUOT CORNER (AS DESCRIBED) FOUND MONUMENT 5/8 REBAR AND CAP (GARDENER ENG.) SET MONUMENT 5/8" REBAR AND CAP PLS NO. 38069 PROPOSED CENTERLINE MONUMENT PROPOSED BOUNDARY LIMITS PROPOSED LOT LINE PROPOSED RIGHT OF WAY LINE _____ EXISTING BOUNDARY _____ EXISTING LOT LINE EXISTING RIGHT OF WAY LINE



THIS SURVEY AND SUBSEQUENT SUBDIVISION PLAT WERE COMPLETED AT THE REQUEST OF THE "EDEN VILLAGE LLC" FRO THE PURPOSE OF SUBDIVIDING THEIR PROPERTY TO CREATE RESIDENTIAL LOTS.

THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 22, T.7N., R.1E. OF THE SALT LAKE BASE AND MERIDIAN, MONUMENTED ON THE SOUTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND ON THE NORTH BY A 3" BRASS CAP, STAMPED WEBER COUNTY, AND IS CONSIDERED TO BEAR N00°20'47"E.

SIGNATURE

	CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD
C1	100.00	55.27	031°40'01"	S18°02'45"W	54.57
C2	195.00	56.38	016°33'56"	N10°29'43"E	56.18
C3	160.00	57.53	020°36'06"	S08°28'38"W	57.22
C4	230.00	63.31	015°46'17"	S09°42'34"E	63.11
C5	470.00	49.23	006°00'03"	N14°35'41"W	49.20
C6	70.00	40.27	032°57'54"	S18°41'42"W	39.72
C7	225.00	65.05	016°33'56"	N10°29'43"E	64.83
C8	130.00	46.74	020°36'06"	S08°28'38"W	46.49
С9	200.00	55.05	015°46'17"	S09°42'34"E	54.88
C10	500.00	52.37	006°00'03"	N14°35'41"W	52.34
C11	440.00	46.09	006°00'05"	N14°35'40"W	46.07
C12	260.00	71.57	015°46'17"	S09°42'34"E	71.34
C13	190.00	68.32	020°36'06"	S08°28'38"W	67.95
C14	165.00	47.71	016°33'56"	N10°29'43"E	47.54
C15	130.00	70.27	030°58'07"	S17°41'48"W	69.41

CHAIRMAN, WEBER COUNTY COMMISSION

Jaijoway
Planning. Architecture. Engineering.
Trolley Corners Building 515 South 700 East, Suite 3F Salt Lake City, UT 84102 303.770.8884 O www.gallowayUS.com
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RECORDED#

STATE OF UTAH, COUNTY OF WEBER, RECORDED AND FILED AT THE

THE FAIRWAYS AT WOLF CREEK P.R.U.D., PHASE 5

A PORTION OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 7 NORTH, RANGE 1 EAST, SALT LAKE BASE & MERIDIAN EDEN, COUNTY OF WEBER, STATE OF UTAH

5200 S. HIGHLAND DRIVE STE 101

SALT LAKE CITY, UT 84117

WEBER COUNTY ATTORNEY I HAVE EXAMINED THE FINANCIAL GUARANTEE AND OTHER DOCUMENTS ASSOCIATED WITH THIS SUBDIVISION PLAT AND IN MY OPINION THEY CONFORM WITH THE COUNTY ORDINANCE APPLICABLE THERETO AND NOW IN FORCE AND AFFECT.

. Day of

COUNTY SURVEYOR

WEBER COUNTY SURVEYOR I HEREBY CERTIFY THAT THE WEBER COUNTY SURVEYOR'S OFFICE HAS REVIEWED THIS PLAT FOR MATHEMATICAL CORRECTNESS, SECTION CORNER DATA AND FOR HARMONY WITH LINES AND MONUMENTS ON RECORD IN THE COUNTY OFFICES. THE APPROVAL OF THIS PLAT BY THE WEBER COUNTY SURVEYORS DOES NOT RELIEVE THE LICENSED LAND SURVEYOR WHO EXECUTED THIS PLAT | SIGNED THIS FROM RESPONSIBILITIES AND/OR LIABILITIES ASSOCIATED THEREWITH. SIGNED THIS . DAY OF

I HEREBY CERTIFY THAT THE REQUIRED PUBLIC IMPROVEMENT STANDARDS AND DRAWINGS FOR THIS SUBDIVISION CONFORM WITH | APPROVED BY THE WEBER COUNTY PLANNING COMMISSION ON THE COUNTY STANDARDS AND THE AMOUNT OF THE FINANCIAL GUARANTEE IS SUFFICIENT FOR THE INSTALLATION OF THESE IMPROVEMENT.

WEBER COUNTY ENGINEER

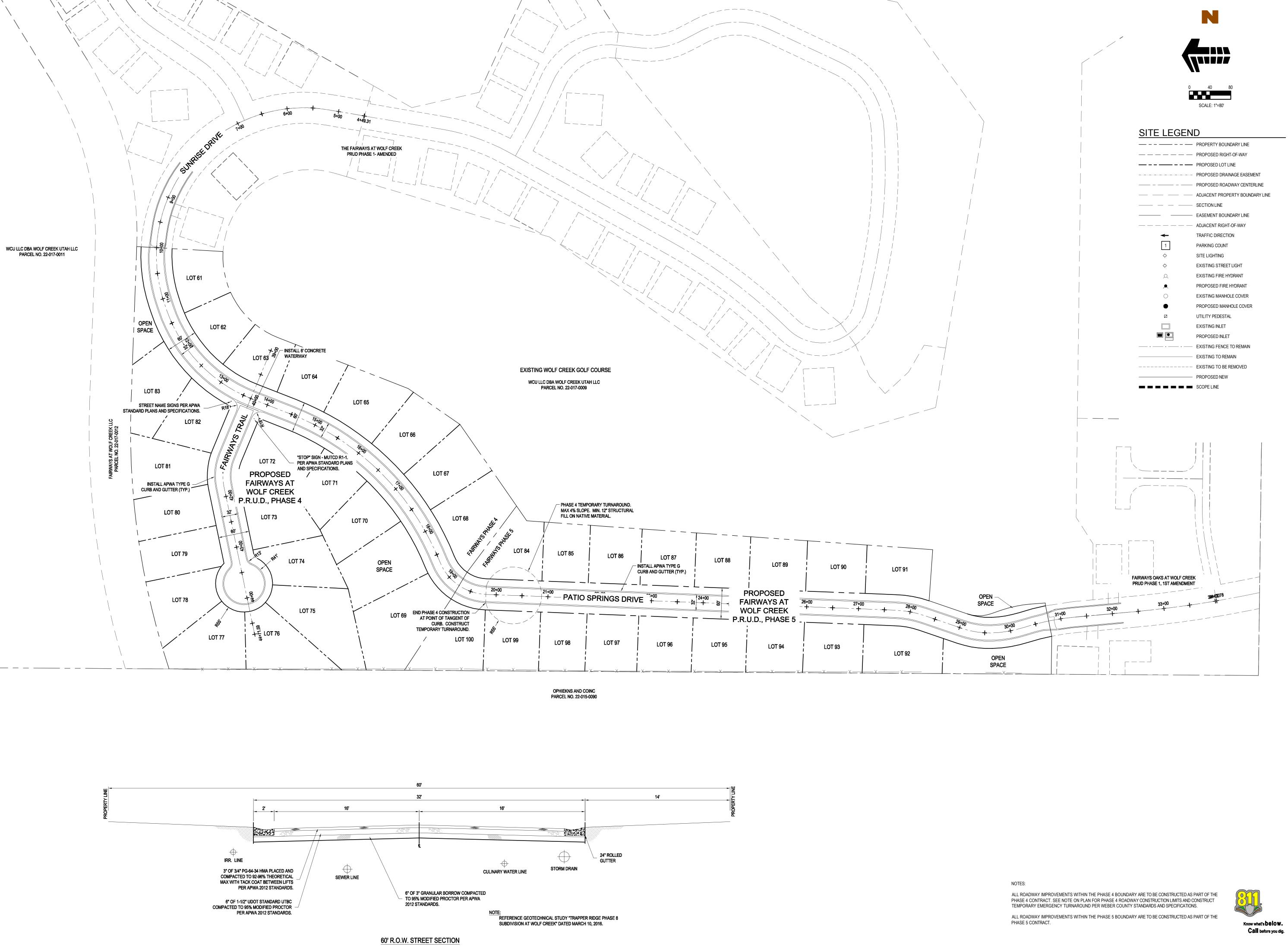
WEBER COUNTY PLANNING COMMISSION APPROVAL THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT WAS DULY

CHAIRMAN-WEBER COUNTY PLANNING COMMISSION

WEBER COUNTY COMMISSION ACCEPTANCE WOLF CREEK WATER AND SEWER IMPROVEMENT DISTRICT THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT, THE DEDICATION THIS IS TO CERTIFY THAT THIS SUBDIVISION PLAT WAS DULY OF THE STREETS AND OTHER PUBLIC WAYS AND FINANCIAL APPROVED BY THE WOLF CREEK WATER AND SEWER DISTRICT ON ENTRY NO: GUARANTEE OF PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS THE DAY OF SUBDIVISION THEREON ARE HEREBY APPROVED AND ACCEPTED BY THE COMMISSIONERS OF WEBER COUNTY, UTAH

GENERAL MANAGER

WEBER COUNTY RECORDER



Calorial OWay
Planning. Architecture. Engineering.
Trolley Corners Building
515 South 700 East, Suite 3F
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Patts
ENTERPRISES



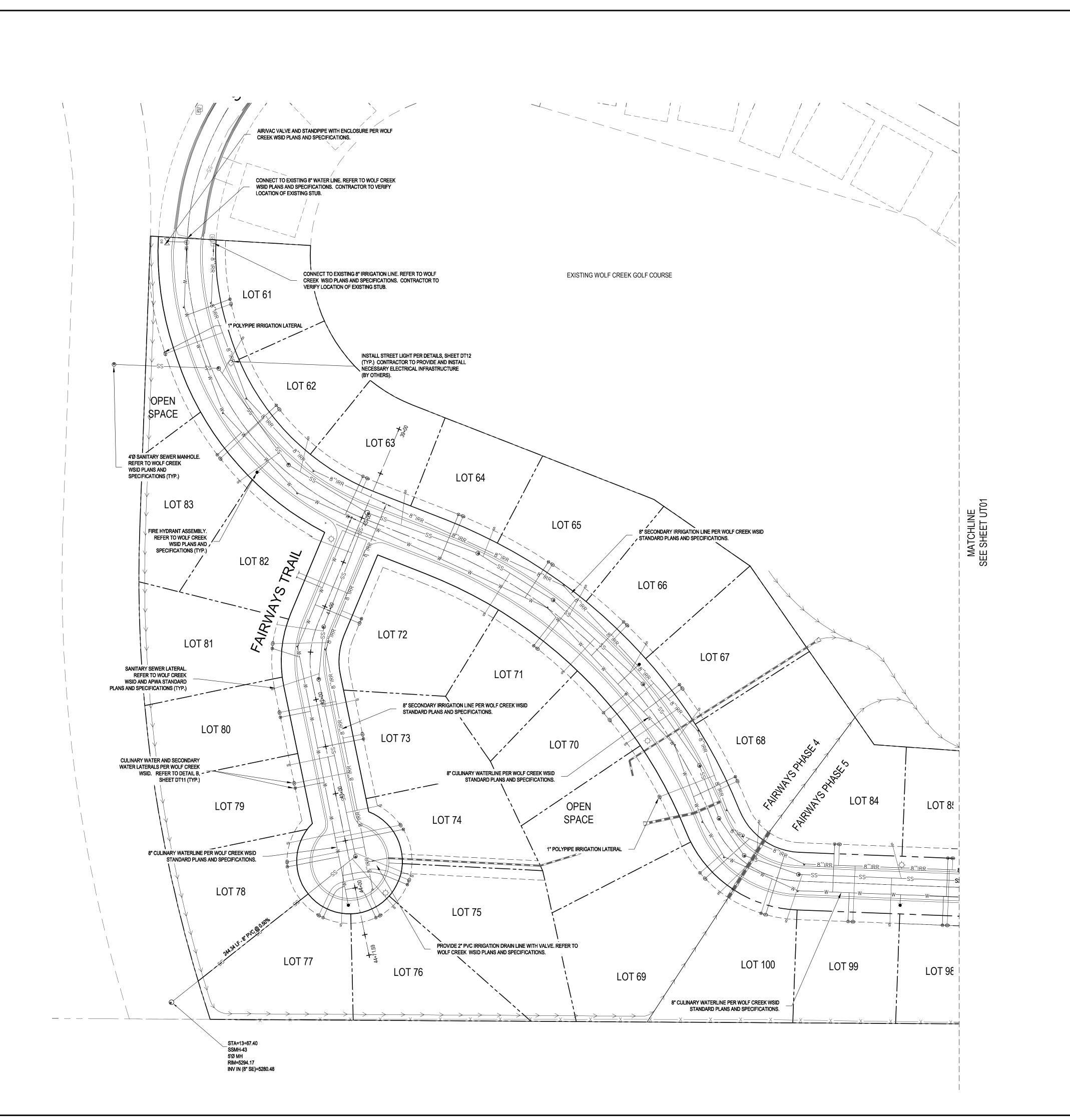
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ALLS ENTERPRISES IRWAYS AT WOLF CRE IASE 4 & 5

Project No:	WAT01.01
Drawn By:	JST
Checked By:	RMP
Date:	8/18/2016

SITE PLAN









UTILITY LEGEND

UTILITY LEGEND				
	EXISTING WATER LINE			
W	PROPOSED WATER LINE			
IRR	EXISTING IRRIGATION LINE			
IRR	PROPOSED IRRIGATION LINE			
	EXISTING SANITARY SEWER			
SS	PROPOSED SANITARY SEWER			
STS STS	EXISTING STORM SEWER			
STS	EXISTING STORM SEWER (LESS THAN 12")			
STS .	PROPOSED STORM SEWER BY OTHERS			
STS	PROPOSED STORM SEWER			
STS	PROPOSED STORM SEWER (LESS THAN 12")			
+4+	WATER LINE THRUST BLOCK LOCATION			
	EXISTING ELECTRICAL BOX			
ф	PROPOSED SITE LIGHT			
	EXISTING TELEPHONE PEDESTAL			
\otimes	PROPOSED WATER METER ON SERVICE LATER			
®	PROPOSED IRRIGATION CONNECTION			
S	PROPOSED SANITARY SEWER SERVICE LATER			
Q	EXISTING FIRE HYDRANT			
•	PROPOSED FIRE HYDRANT			
©	EXISTING MANHOLE			
•	PROPOSED MANHOLE			
	EXISTING INLET			
	PROPOSED INLET			

Galloway

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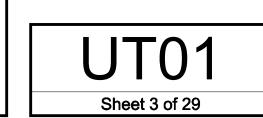
RWAYS AT WOLF CRE

Date Issue / Description Init.

Project No:	WAT01.01
Drawn By:	JST
Checked By:	RMP
Date:	8/18/2016

UTILITY PLAN

Know what's **below. Call** before you dig.



NOTES

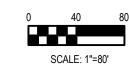
ALL SANITARY SEWER, WATER, AND IRRIGATION MAIN LINES ARE TO BE CONSTRUCTED AS PART OF THE PHASE 4 CONTRACT. PHASE 4 REQUIRES THE CONNECTION OF ALL UTILITIES AT THE EXISTING END OF PATIO SPRINGS DRIVE IN ORDER TO SERVICE PHASE 4.

ALL SERVICE LATERALS WITHIN THE PHASE 4 BOUNDARY ARE TO BE CONSTRUCTED AS PART OF THE PHASE 4 CONTRACT.

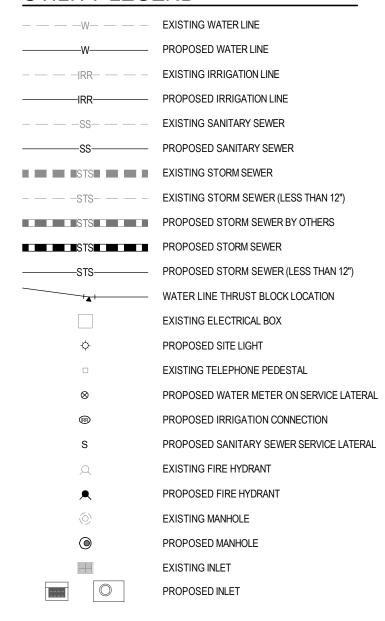
ALL SERVICE LATERALS WITHIN THE PHASE 5 BOUNDARY ARE TO BE CONSTRUCTED AS PART OF THE PHASE 5 CONTRACT.

ALL SANITARY SEWER, WATER, AND IRRIGATION INFRASTRUCTURE TO BE INSTALLED PER WOLF CREEK WATER AND SEWER DISTRICT STANDARDS AND SPECIFICATIONS. REFER TO DETAILS ON SHEET DT03 FOR STANDARD DETAILS. COORDINATE WITH WOLF CREEK WATER AND SEWER DISTRICT FOR MORE DETAILS.



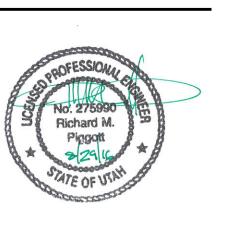


UTILITY LEGEND



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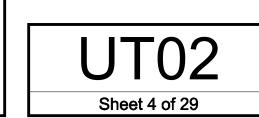
WAYS AT WOLF CREE

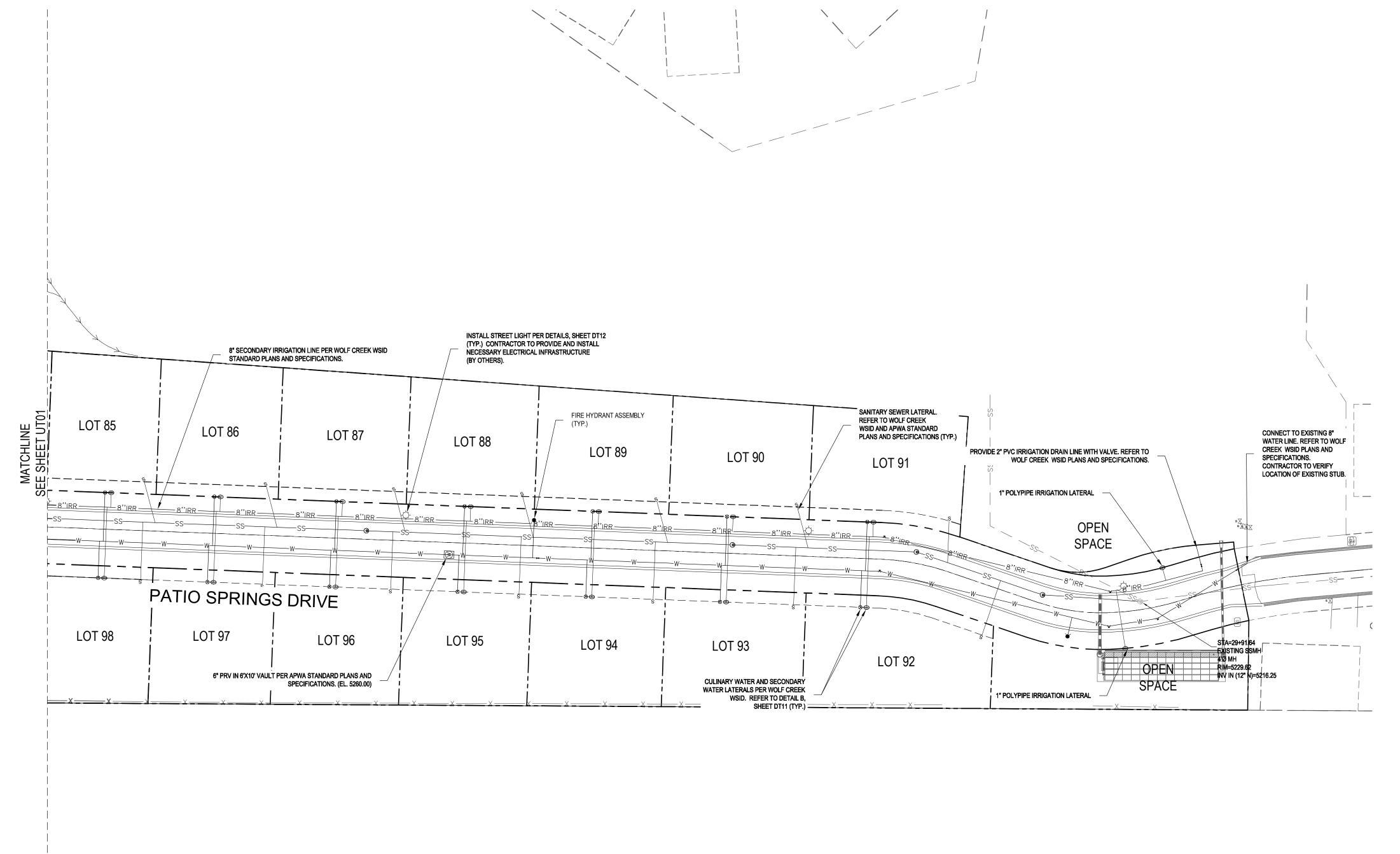
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Date:	8/18/2016

UTILITY PLAN

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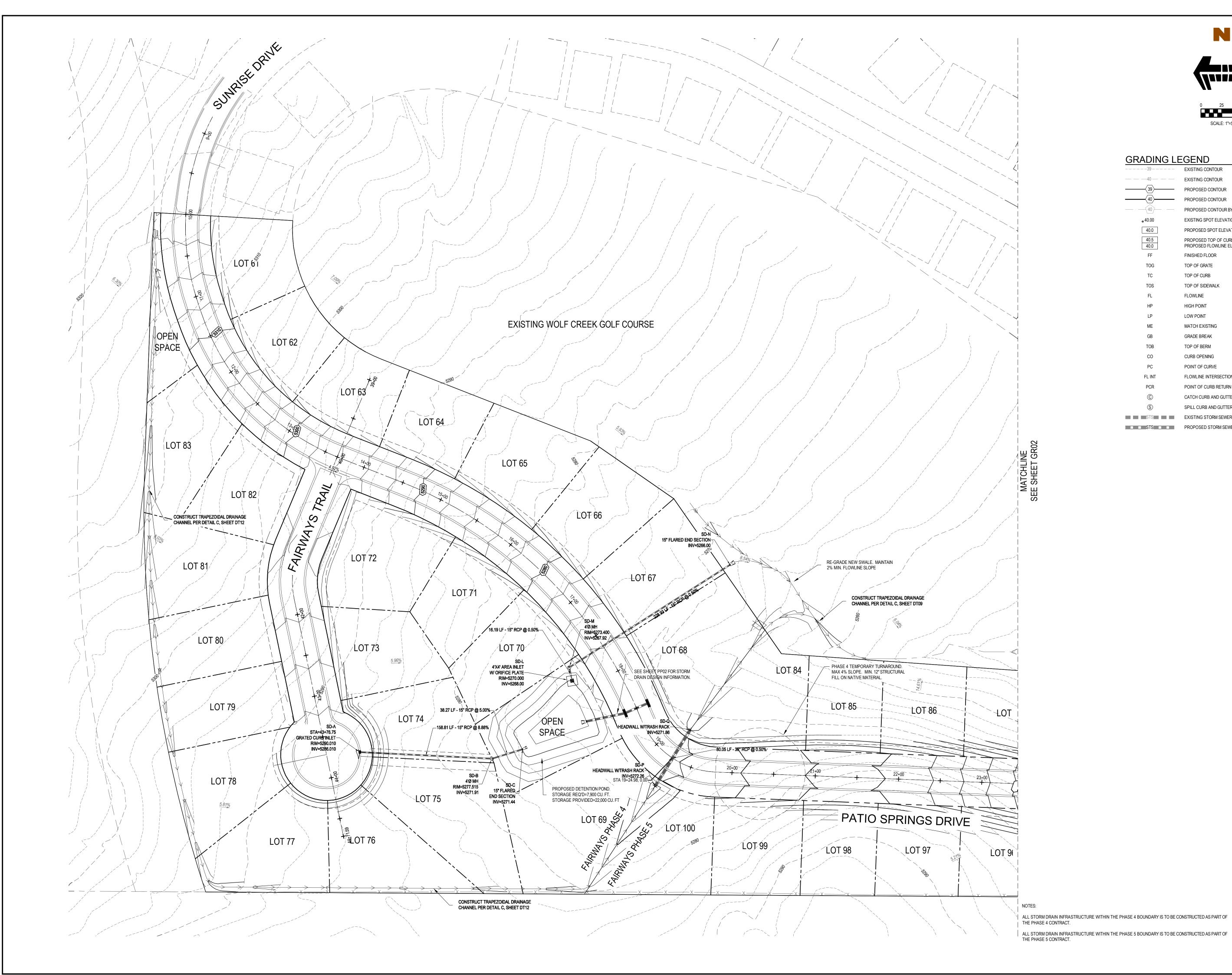
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ALL SANITARY SEWER, WATER, AND IRRIGATION MAIN LINES ARE TO BE CONSTRUCTED AS PART OF THE PHASE 4 CONTRACT. PHASE 4 REQUIRES THE CONNECTION OF ALL UTILITIES AT THE EXISTING END OF PATIO SPRINGS DRIVE IN ORDER TO SERVICE PHASE 4.

ALL SERVICE LATERALS WITHIN THE PHASE 4 BOUNDARY ARE TO BE CONSTRUCTED AS PART OF THE PHASE 4 CONTRACT.

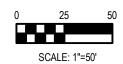
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GRADING LEGEND

<u> </u>	
39	EXISTING CONTOUR
— — —40 — — —	EXISTING CONTOUR
39	PROPOSED CONTOUR
40	PROPOSED CONTOUR
· ·	PROPOSED CONTOUR BY OTHERS
_# 40.00	EXISTING SPOT ELEVATION
40.0	PROPOSED SPOT ELEVATION
40.5	PROPOSED TOP OF CURB ELEVATION PROPOSED FLOWLINE ELEVATION
FF	FINISHED FLOOR
TOG	TOP OF GRATE
TC	TOP OF CURB
TOS	TOP OF SIDEWALK
FL	FLOWLINE
HP	HIGH POINT
LP	LOW POINT
ME	MATCH EXISTING
GB	GRADE BREAK
TOB	TOP OF BERM
CO	CURB OPENING
PC	POINT OF CURVE
FL INT	FLOWLINE INTERSECTION
PCR	POINT OF CURB RETURN
©	CATCH CURB AND GUTTER
<u>(S)</u>	SPILL CURB AND GUTTER
STS	EXISTING STORM SEWER

STS PROPOSED STORM SEWER

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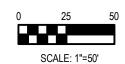
GRADING PLAN

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GRADING LEGEND

39	EXISTING CONTOUR
— — —40 — — —	EXISTING CONTOUR
39	PROPOSED CONTOUR
40	PROPOSED CONTOUR
40	PROPOSED CONTOUR BY OTHERS
⊕ 40.00	EXISTING SPOT ELEVATION
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STS	EXISTING STORM SEWER
STS STS	PROPOSED STORM SEWER

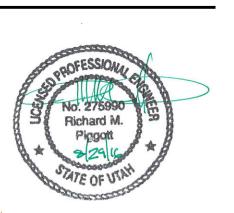
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RWAYS AT WOLF CRE \SE 4 & 5

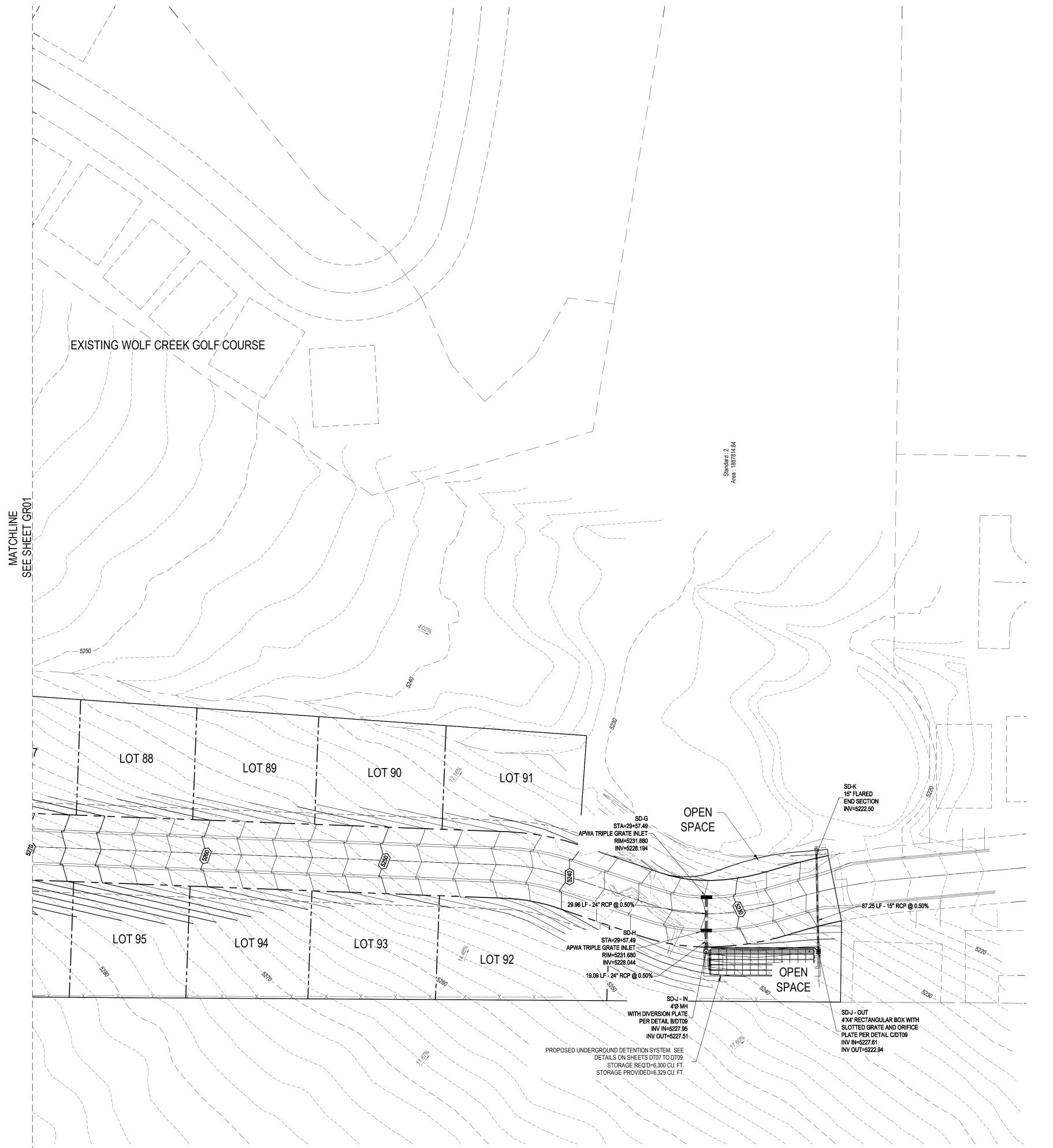
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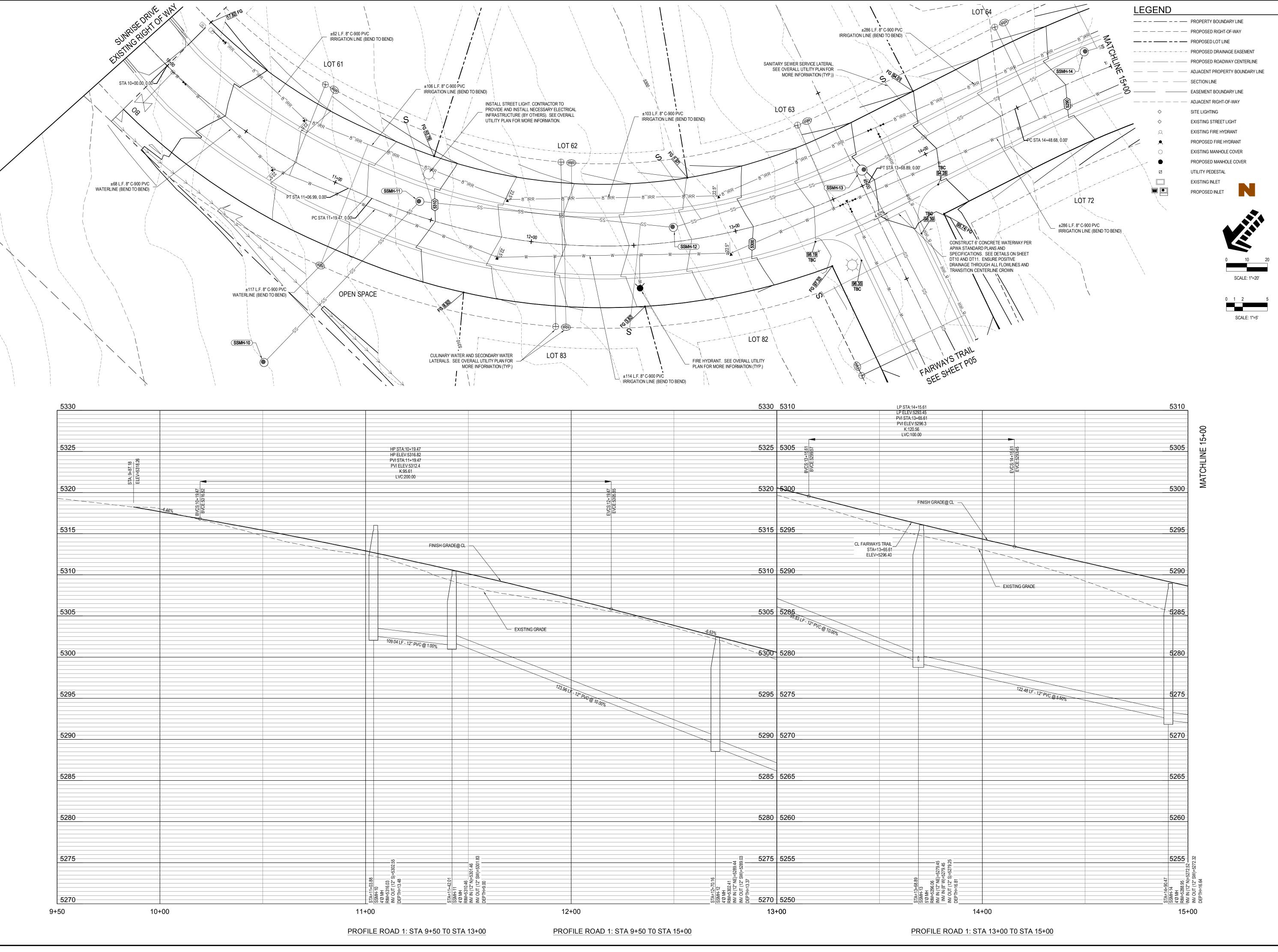
Know what's **below. Call** before you dig.





ALL STORM DRAIN INFRASTRUCTURE WITHIN THE PHASE 4 BOUNDARY IS TO BE CONSTRUCTED AS PART OF THE PHASE 4 CONTRACT.

ALL STORM DRAIN INFRASTRUCTURE WITHIN THE PHASE 5 BOUNDARY IS TO BE CONSTRUCTED AS PART OF THE PHASE 5 CONTRACT.



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WATTS ENTERPRISES FAIRWAYS AT WOLF CRE PHASE 4 & 5

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PLAN & PROFILE

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17+00

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WATTS ENTERPRISES FAIRWAYS AT WOLF CREE PHASE 4 & 5

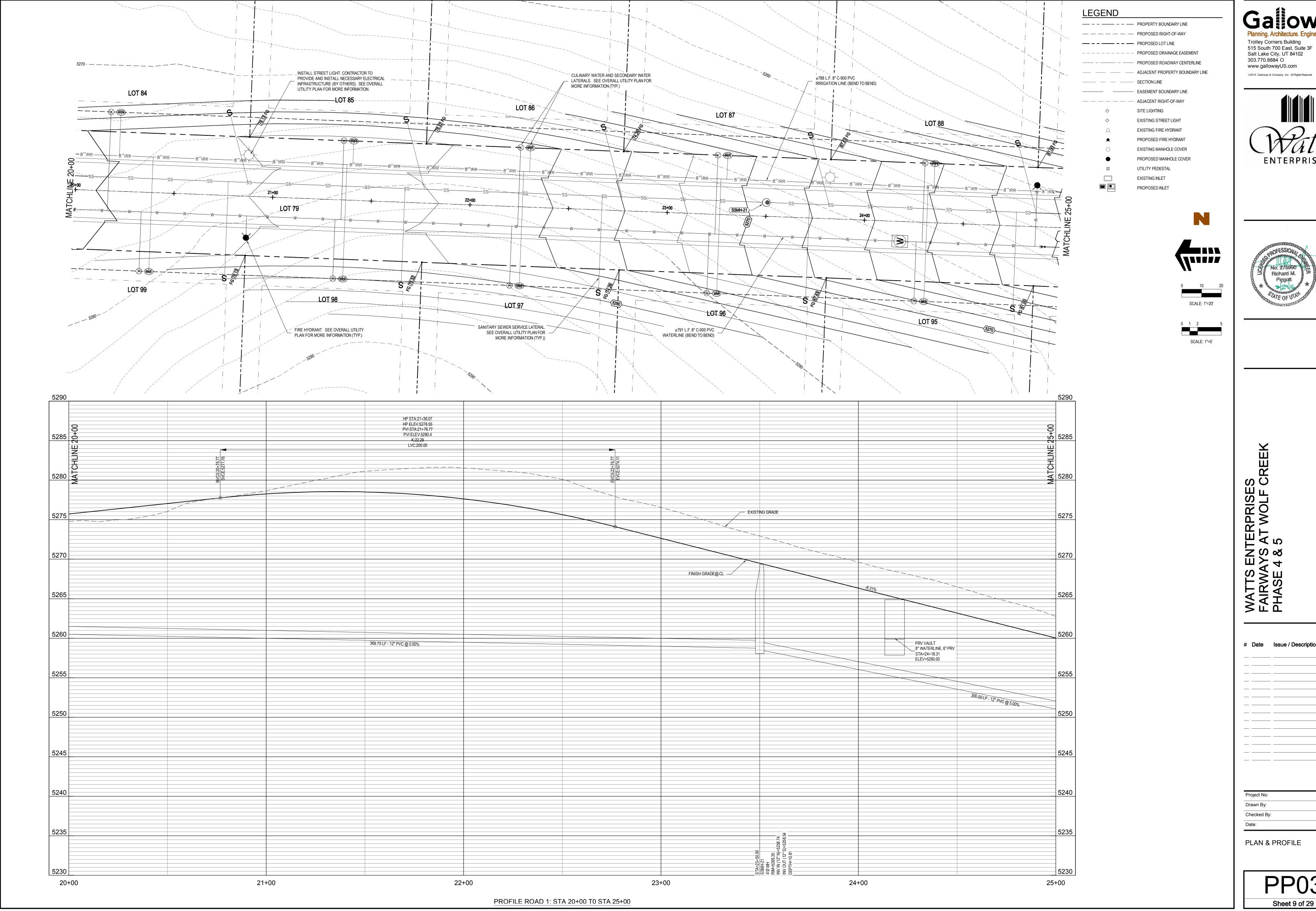
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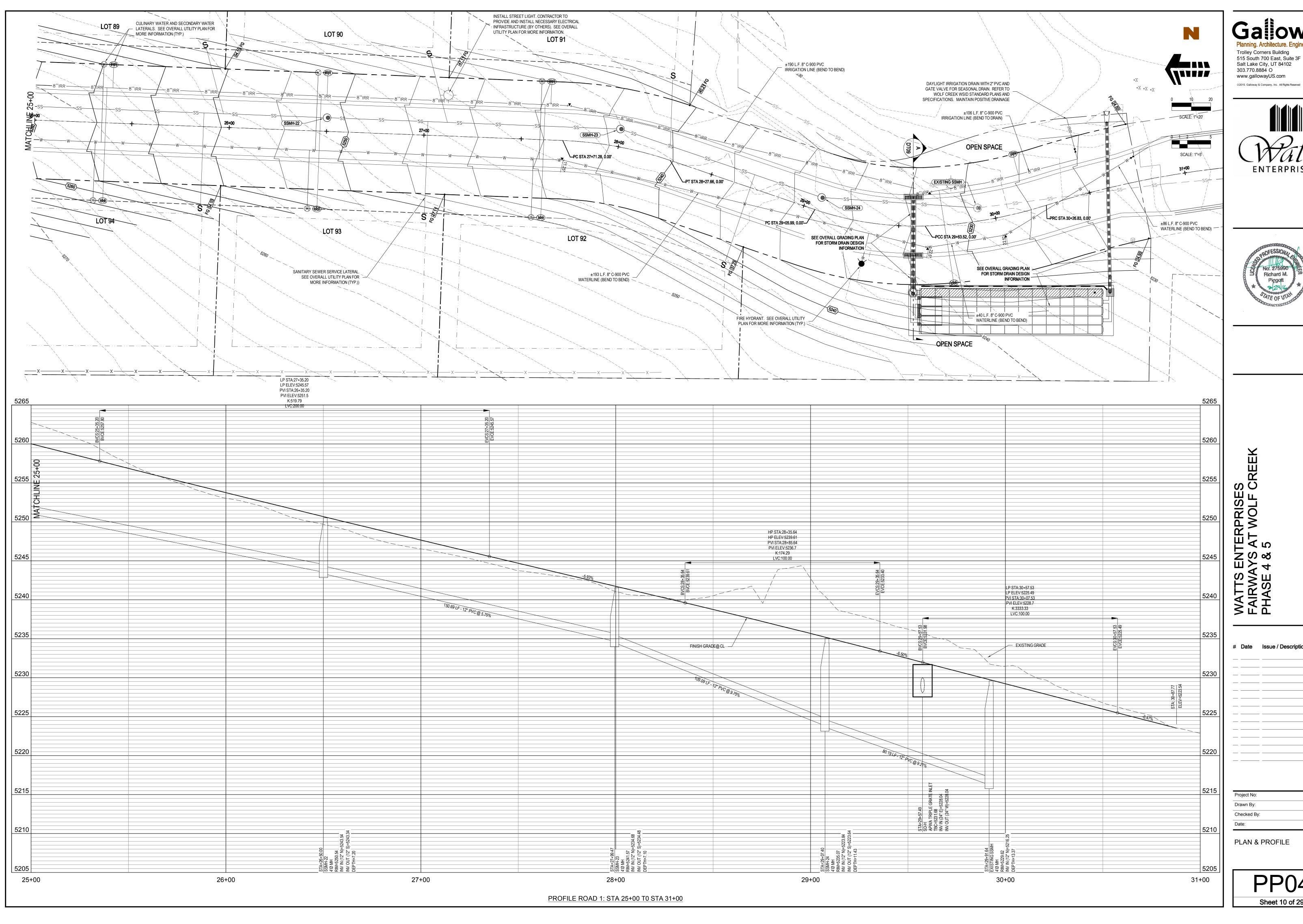


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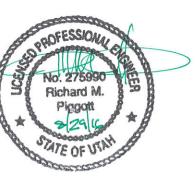
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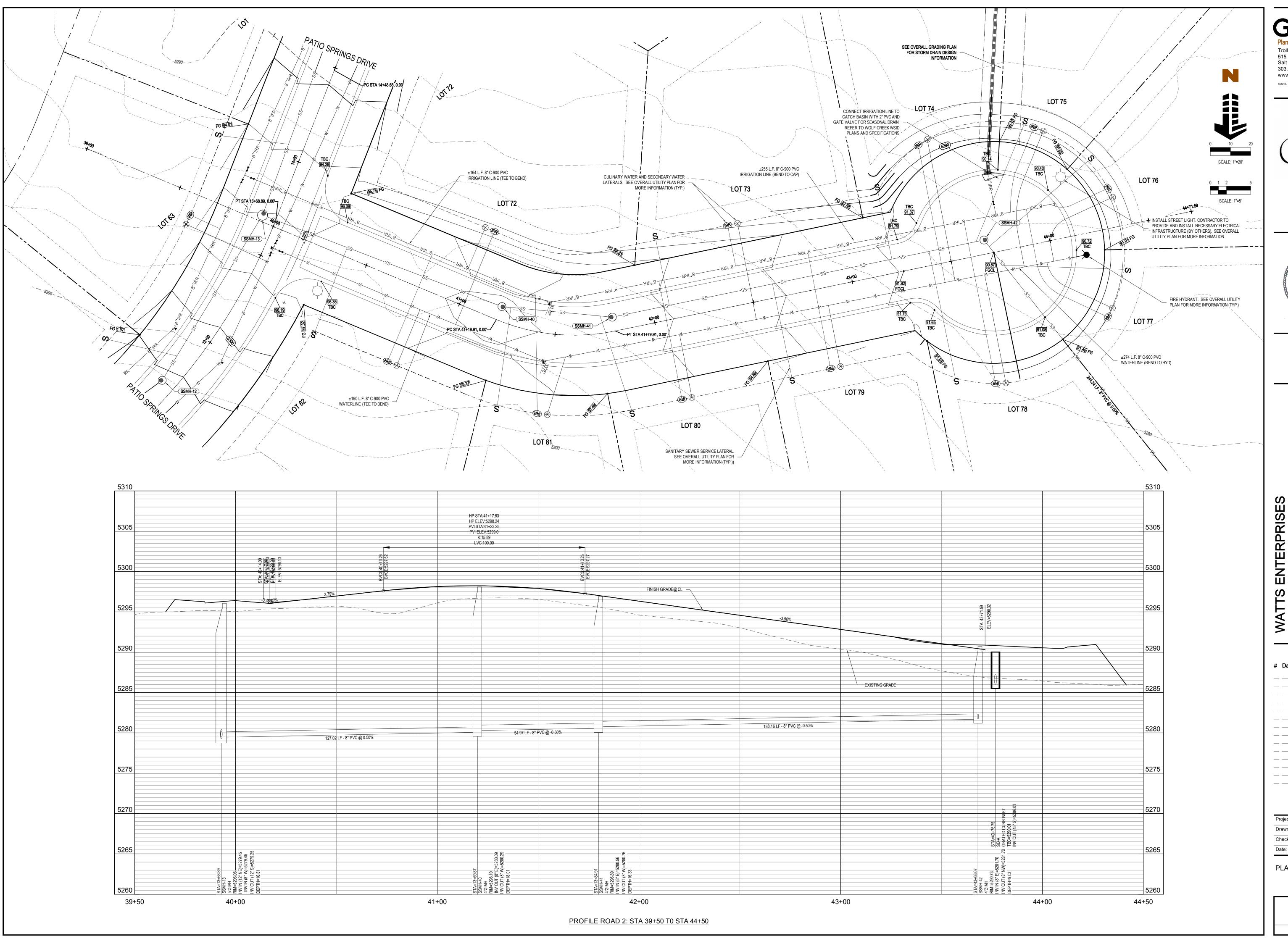
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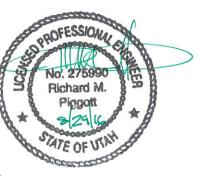
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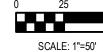
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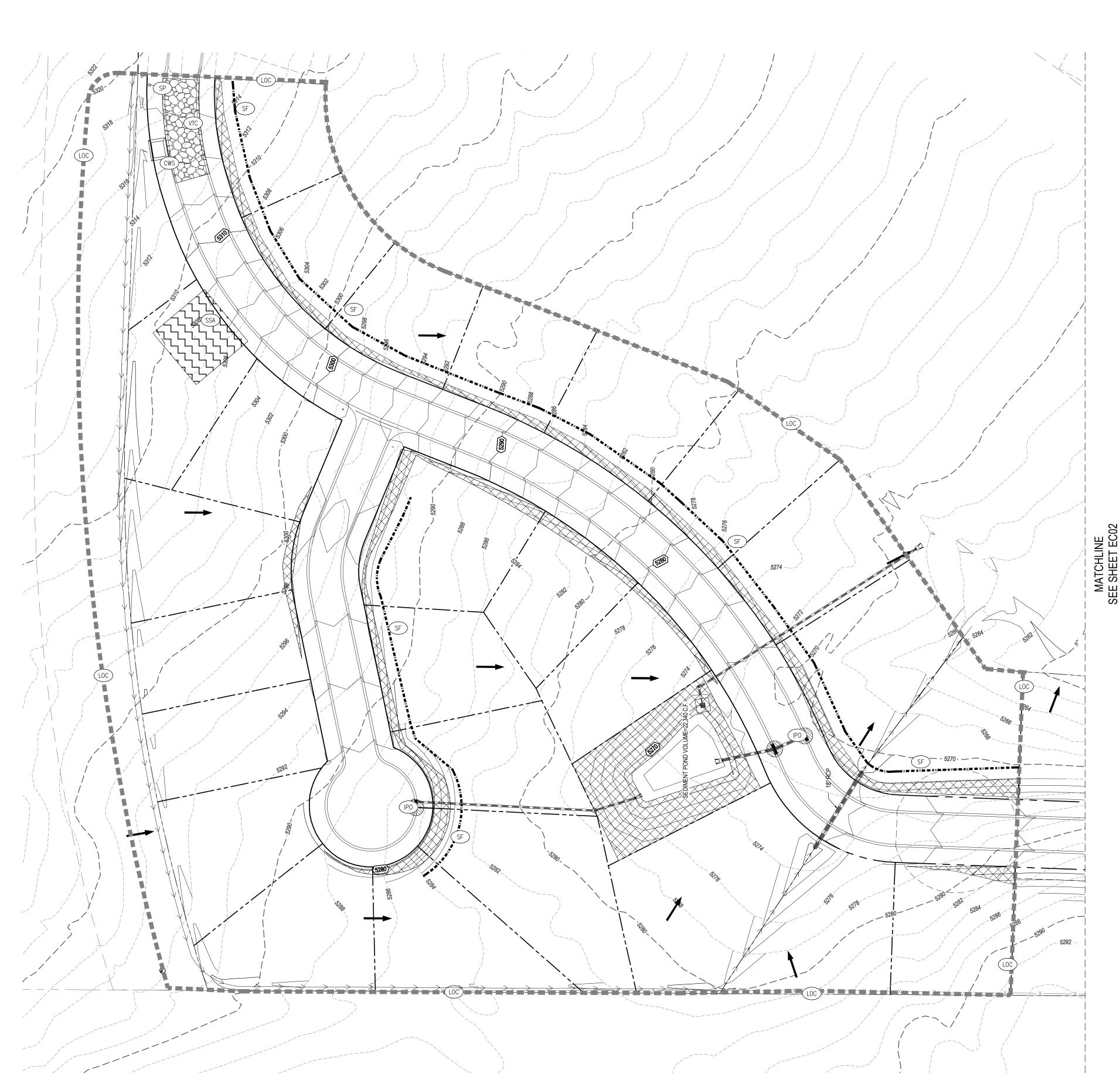
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PLAN & PROFILE

PP05
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DIVERSION NOTE

CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ALONG ALL DIVERSIONS SO THAT FLOWS ARE CONVEYED TO SEDIMENT BASINS. THIS MAY REQUIRE SOME MINOR GRADE ADJUSTMENTS TO ENSURE POSITIVE DRAINAGE.

CONCRETE WASHOUT NOTE

CONCRETE WASHOUT MAY ONLY BE DISCHARGED ON-SITE INTO PORTABLE, IMPERMEABLE, BASINS. THE WASTE WATER AND CONCRETE RESIDUE WILL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS

DISTURBANCE NOTE

ALL AREAS TO BE SEEDED SHALL BE DONE WITH A NATIVE FAST GERMINATION SEED MIX THAT IS APPROVED BY THE ENGINEER. SEEDED AREAS SHALL BE PROTECTED WITH EITHER STRAW MULCH APPLIED AT A RATE OF 2 TONS PER ACRE AND CRIMPED IN, OR WITH EROSION CONTROL BLANKET COMPOSED OF COCONUT FIBER, AS CALLED OUT ON THIS SITE MAP.

STOCKPILE NOTE

ONLY ON-SITE MATERIALS DEEMED ACCEPTABLE FOR REUSE AS SUBGRADE BY THE GEOTECHNICAL CONSULTANT MAY BE STORED ON SITE. ALL OTHER EXCAVATED MATERIAL IS TO BE IMMEDIATELY TRUCKED OFF SITE FOR PROPER DISPOSAL. ANY ASPHALT AREAS USED FOR STOCKPILE MUST BE COVERED WITH A PROTECTIVE GEOTEXTILE. TARPAULINS MUST BE USED TO COVER SPOILS AT ALL TIMES OTHER THAN DURING IMMEDIATE ACCESS.

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

EROSION CONTROL LEGEND FLOW ARROW LIMITS OF CONSTRUCTION SF SILT FENCE CF CONSTRUCTION FENCE DD DIVERSION DITCH/DIKE, INSTALL CHECK DAMS AS NOTED IN COA DETAIL SSA STABILIZED STAGING AREA (CWS) SMALL SITE CONCRETE WASHOUT AREA (TS) TEMPORARY STOCKPILE (VTC) VEHICLE TRACKING CONTROL IPO INLET PROTECTION → SP SWMP SITE POSTING (SM) SEEDING AND MULCHING (REF. LANDSCAPE PLAN) ECB EROSION CONTROL BLANKET

SB SEDIMENT BASIN

GS GRAVEL SOCK

MAINTENANCE NOTES

ALL MEASURES STATED ON THIS SITE MAP AND IN THE STORMWATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH

Know what's **below**.

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- 3. SILT FENCES/DIKES/FIBER FLOCCULENT TUBES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES/DIKES/FIBER FLOCCULENT TUBES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE/DIKE/FIBER FLOCCULENT TUBES.
- 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- 6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT
- 7. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY

GENERAL EROSION NOTES

A. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

- LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- C. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT
- D. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- E. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA M. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWN STREAM SIDES.
- DETAINED AND PROPERLY TREATED OR DISPOSED. G. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS SHALL BE
- MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. I. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO Q. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR
- J. ALL DENUDED/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FIBERS, TACKIFIERS, NETTING OR BLANKETS.

B. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR K. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR THE

> IF THE ACTION OF VEHICLES TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS

INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

N. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN F. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE CONJUNCTION WITH THE STABILIZATION OF THE SITE.

O. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

H. DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED P. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.

R. GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE

BEST MANAGEMENT PRACTICES SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE 1. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ALL AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

1. INSTALL VEHICLE TRACKING CONTROL.

PROCEEDING WITH CONSTRUCTION.

2. INSTALL SILT FENCE(S) ON THE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE). 4. PREPARE SITE FOR PAVING. HALT ALL ACTIVITIES AND CONTACT THE ENGINEER TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT THE STORMWATER PRE-CONSTRUCTION

MEETING WITH THE ENGINEER, AGENCY(IES) AND GROUND-DISTURBING CONTRACTORS BEFORE

- INSTALL SEDIMENT TRAPS.
- 4. PREPARE TEMPORARY PARKING AND STORAGE AREA.
- 5. BEGIN CLEARING, DEMOLITION AND GRUBBING THE SITE.
- BEGIN GRADING THE SITE. 7. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.

- DAYS OR MORE. 2. INSTALL UTILITIES, UNDERDRAINS, CURBS AND GUTTERS.
- 3. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
- 6. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS INCLUDING

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPS HAVE BEEN COMPLETELY INSTALLED. BMP-RELATED STEPS IN THE ABOVE SEQUENCE ARE ITALICIZED FOR CLARITY.

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR. DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED.

EROSION CONTROL PLAN

8/18/2016

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Richard M.

GENERAL EROSION NOTES

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- IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR THE
- L. IF THE ACTION OF VEHICLES TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS
- RUNOFF VELOCITIES AND EROSION.
- I. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO Q. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH
 SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- R. GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS. INSIDE OF THE J. ALL DENUDED/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

MAINTENANCE NOTES

BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

- ALL MEASURES STATED ON THIS SITE MAP AND IN THE STORMWATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH
- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- 3. SILT FENCES/DIKES/FIBER FLOCCULENT TUBES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES/DIKES/FIBER FLOCCULENT TUBES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE/DIKE/FIBER FLOCCULENT TUBES.
- 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- 6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT
- 7. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY







DIVERSION NOTE

CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ALONG ALL DIVERSIONS SO THAT FLOWS ARE CONVEYED TO SEDIMENT BASINS. THIS MAY REQUIRE SOME MINOR GRADE ADJUSTMENTS TO ENSURE

CONCRETE WASHOUT NOTE

CONCRETE WASHOUT MAY ONLY BE DISCHARGED ON-SITE INTO PORTABLE, IMPERMEABLE, BASINS. THE WASTE WATER AND CONCRETE RESIDUE WILL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

DISTURBANCE NOTE

ALL AREAS TO BE SEEDED SHALL BE DONE WITH A NATIVE FAST GERMINATION SEED MIX THAT IS APPROVED BY THE ENGINEER. SEEDED AREAS SHALL BE PROTECTED WITH EITHER STRAW MULCH APPLIED AT A RATE OF 2 TONS PER ACRE AND CRIMPED IN, OR WITH EROSION CONTROL BLANKET COMPOSED OF COCONUT FIBER. AS CALLED OUT ON THIS SITE MAP.

STOCKPILE NOTE

ONLY ON-SITE MATERIALS DEEMED ACCEPTABLE FOR REUSE AS SUBGRADE BY THE GEOTECHNICAL CONSULTANT MAY BE STORED ON SITE. ALL OTHER EXCAVATED MATERIAL IS TO BE IMMEDIATELY TRUCKED OFF SITE FOR PROPER DISPOSAL. ANY ASPHALT AREAS USED FOR STOCKPILE MUST BE COVERED WITH A PROTECTIVE GEOTEXTILE. TARPAULINS MUST BE USED TO COVER SPOILS AT ALL TIMES OTHER THAN DURING IMMEDIATE ACCESS.

CAUTION - NOTICE TO CONTRACTOR

- 1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEEER PRIOR TO CONSTRUCTION.
- 2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

Call before you dig.

EROSION CONTROL LEGEND

→		FLOW ARROW
	LOC	LIMITS OF CONSTRUCTION
	SF	SILT FENCE
-0-	CF	CONSTRUCTION FENCE
	DD	DIVERSION DITCH/DIKE, INSTALL CHECK DAMS AS NOTED IN COA DETAIL
	(SSA)	STABILIZED STAGING AREA
	CWS	SMALL SITE CONCRETE WASHOUT AREA
	TS	TEMPORARY STOCKPILE
	VTC	VEHICLE TRACKING CONTROL
	(IPO)	INLET PROTECTION
→	(SP)	SWPPP SITE POSTING
	SM	SEEDING AND MULCHING (REF. LANDSCAPE

(ECB) EROSION CONTROL BLANKET

SEDIMENT BASIN



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BEST MANAGEMENT PRACTICES SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ALL AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

- 1. INSTALL VEHICLE TRACKING CONTROL.
- 2. INSTALL SILT FENCE(S) ON THE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE). 4. PREPARE SITE FOR PAVING.
- 3. INSTALL DIVERSION SWALES AND ASSOCIATED CHECK DAMS.

HALT ALL ACTIVITIES AND CONTACT THE ENGINEER TO PERFORM INSPECTION AND CERTIFICATION OF 6. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS INCLUDING BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT THE STORMWATER PRE-CONSTRUCTION MEETING WITH THE ENGINEER, AGENCY(IES) AND GROUND-DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

- 4. INSTALL SEDIMENT TRAPS.
- 5. PREPARE TEMPORARY PARKING AND STORAGE AREA.
- 6. BEGIN CLEARING, DEMOLITION AND GRUBBING THE SITE.
- BEGIN GRADING THE SITE.
- 8. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.

TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.

- 2. INSTALL UTILITIES, UNDERDRAINS, CURBS AND GUTTERS.
- 3. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
- PAVE SITE.

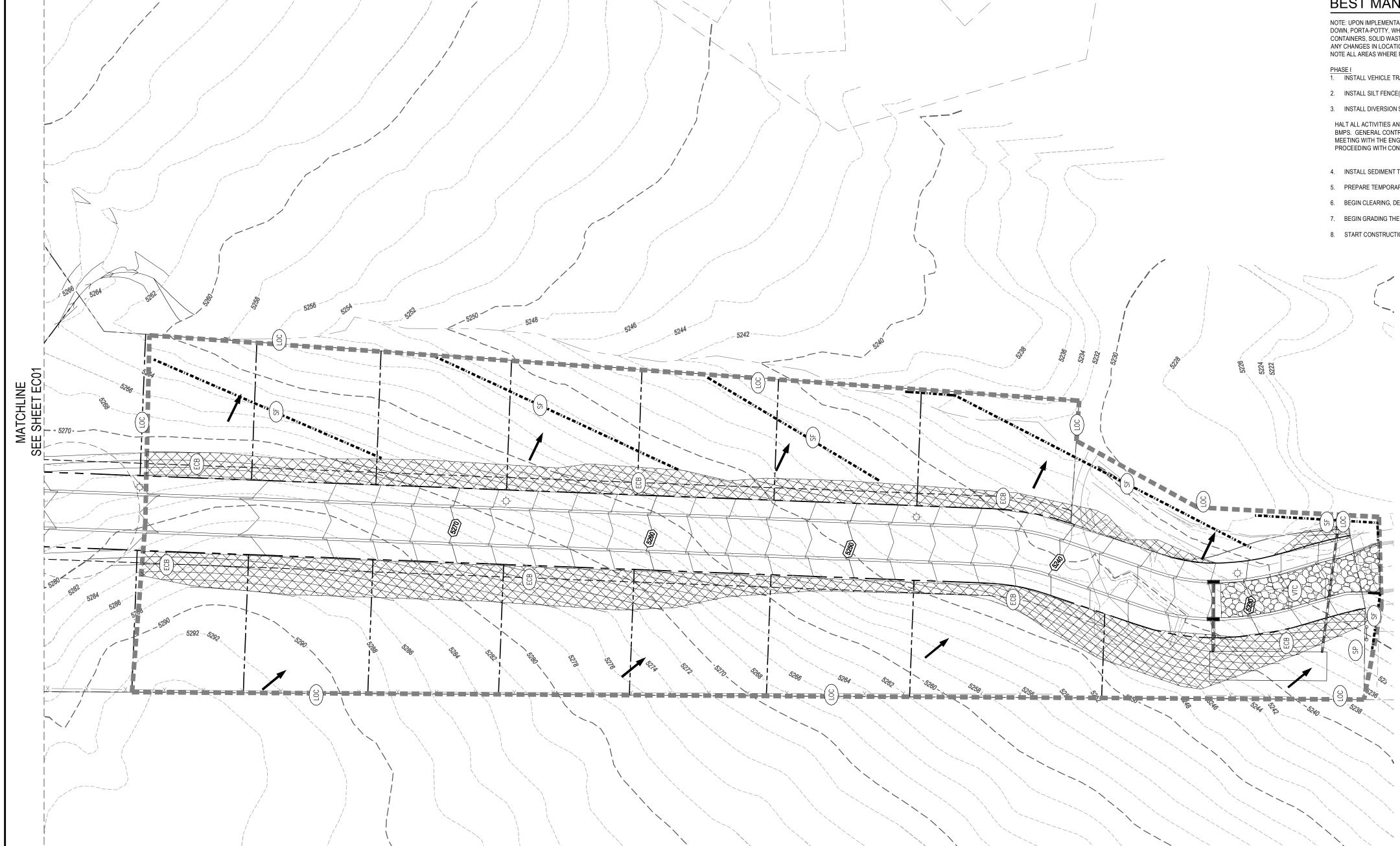
NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPS HAVE BEEN COMPLETELY INSTALLED. BMP-RELATED STEPS IN THE ABOVE SEQUENCE ARE ITALICIZED FOR CLARITY.

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR. DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED.

Date	Issue / Description	Init.
		- —

Project No:	WAT01.0
Orawn By:	JS
Checked By:	RM
Date:	8/18/20

EROSION CONTROL PLAN



Straw bale barrier Silt fence Diversion dike GENERAL 1. GENERAL 1. GENERAL A. Description. A temporary sediment barrier consisting of a row of entrenched and A. Description. A temporary sediment barrier consisting of a filter fabric stretched A. Description: A temporary ridge of compacted soil located at the top or base of a across and attached to supporting posts and entrenched. B. Purpose. To intercept and detain small amounts of sediment from disturbed areas B. Purpose. To intercept up gradient runoff and convey around construction site and to B. Application. To intercept sediment from disturbed areas of limited extent. of limited extent. To decrease the velocity of sheet flows and low-to-moderate level C. Perimeter Control: Place barrier at down gradient limits of disturbance. divert sediment laden runoff. D. Sediment Barrier: Place barrier at toe of slope or soil stockpile. 2. PRODUCT (Not used) E. Protection of Existing Waterways: Place barrier at top of stream bank. 2. PRODUCTS (Not used) F. Inlet Protection. 3. EXECUTION 3. EXECUTION 2. PRODUCTS A. Construct. A. Place bales in a single row, lengthwise with ends of adjacent bales tightly abutting 1) Along midpoint of construction slope to intercept runoff and channel to controlled A. Fabric. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, each other for the following conditions. polyester, or polyethylene yarn. Synthetic filter fabric shall contain ultraviolet ray discharge point. 1) Perimeter Control. Place barrier at down gradient limits of disturbance. inhibitors and stabilizers to provide a minimum of 6 months of expected usable 2) Around base of soil stockpiles to capture sediment. 2) Sediment Barrier. Place barrier at toe of slope or soil stockpile. 3) Around perimeter of disturbed areas to capture sediment. construction life at a temperature range of 0 deg F to 120 deg F. 3) Protection of Existing Waterways. Place barrier at top of stream bank. B. Locate the dike to minimize damages by construction operations and traffic. B. Burlap. 10 ounces per square yard of fabric. 4) Inlet Protection. C. Clear and grub area for dike construction. Build the dike before construction begins. C. Posts. Either 2" x 4" diameter wood, or 1.33 pounds per linear foot steel with a B. Wire-bound or string-tie all bales. Install so straw bale bindings are oriented around minimum length of 5 feet, or steel posts with projections for fastening wire to them. D. Excavate channel and place soil on down gradient side. the sides rather than along the tops and bottoms of the bales (in order to prevent E. Shape and machine compact excavated soil to form ridge. deterioration of the bindings). F. Place erosion protection (rip rap, mulch) at outlet. Stabilize channel and ridge as 3. EXECUTION C. Chink the gaps between bales (filled by wedging) with straw to prevent water from required with mulch, gravel or vegetative cover. Temporary or permanent seeding A. Cut the fabric on site to desired width, unroll, and drape over the barrier. Secure the escaping between the bales. Loose straw scattered over the area immediately uphill fabric toe with rocks or dirt and secure the fabric to the mesh with twin, staples or and mulch shall be applied to the dike within 15 days of construction. from a straw bale barrier tends to increase barrier efficiency. G. Maintenance. D. When bales are installed at the toe of a slope, place the bales away from the slope 1) Inspect immediately after each rainfall and at least daily during prolonged B. When attaching two silt fences together, place the end post of the second fence for increased storage capacity. inside the end post of the first fence. Rotate both posts at least 180 degrees on a E. Remove straw bale barriers when they have served their usefulness, but not before 2) Look for runoff breaching dike or eroding channel or side slopes. clockwise direction to create a tight seal with the filter fabric. Drive both posts into the up-slope areas have been permanently stabilized. 3) Check discharge point for erosion or bypassing of flows. the ground and bury the flap. F. Maintenance. C. When used to control sediments from a steep slope, place silt fences away from the 4) Repair and stabilize as necessary. 1) Inspect immediately after any rainfall and at least daily during prolonged rainfall. 5) Inspect daily during vehicular activity on slope, check for and repair any traffic toe of the slope for increased holding capacity. 2) Pay close attention to the repair of damaged bales, end runs and undercutting D. Maintenance. damage. beneath bales. 1) Inspect immediately after each rainfall and at least daily during prolonged 3) Necessary repairs or replacement of bales must be accomplished promptly. 4) Remove sediment deposits after each rainfall. It must be removed when the 2) Should the fabric on a silt fence or filter barrier decompose or become ineffective level of deposition reaches approximately one-half the height of the bale(s). before the end of the expected usable life and the barrier still be necessary, 5) Realign bales to provide a continuous barrier and to fill gaps. replace the fabric promptly. 6) Recompact soil around bales as necessary to prevent piping. 3) Remove sediment deposits after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier. 4) Re-anchor fence as necessary to prevent shortcutting. 5) Inspect for runoff bypassing ends of barriers or undercutting barriers. NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED. HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED. HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED. SECURE MESH TO POSTS WITH WIRE TIGHTLY TOGETHER AVOID JOINTS STAPLES 1" LONG OR TIE WIRES OR COMPACTED EARTH EXCAVATE EARTHEN WITH ENGINEER'S APPROVAL. AN EXTRA STRENGTH FILTER FABRIC CAN BE USED IN LIEU OF WIRE MESH SUPPORT TWO - 2"x2"X3' STAKES TOP OF SLOPE (TYP) **INSTALLATION SEQUENCE** FIRST STAKE IN EACH BALE TO BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER <u>PLAN</u> 14 GAGE 6" EXPANSION JOINT WOOD COMPACTED EARTH OR STEEL FENCE POST STAKE AND ENTRENCHED BACKFILL WITH COMPACTED SOIL TO PREVENT PIPING - SEDIMENT LADEN RUNOFF FILTER RUNOFF -2 FEET EXCAVATE EARTHEN EMBED BALE MINIMUM 4" INTO GROUND STAKE SHALL BE AT LEAST 6" BELOW BALE TOE DETAIL BASE OF SLOPE (TYP) **SECTION**

Silt fence

Straw bale barrier

Frbruary 2006

121

February 2006

Callowal Planning. Architecture. Engineering.

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Patts ENTERPRISES



WATTS ENTERPRISES FAIRWAYS AT WOLF CRE PHASE 4 & 5

Date Issue / Description In

Project No: WAT01.01

Drawn By: JST

Checked By: RMP

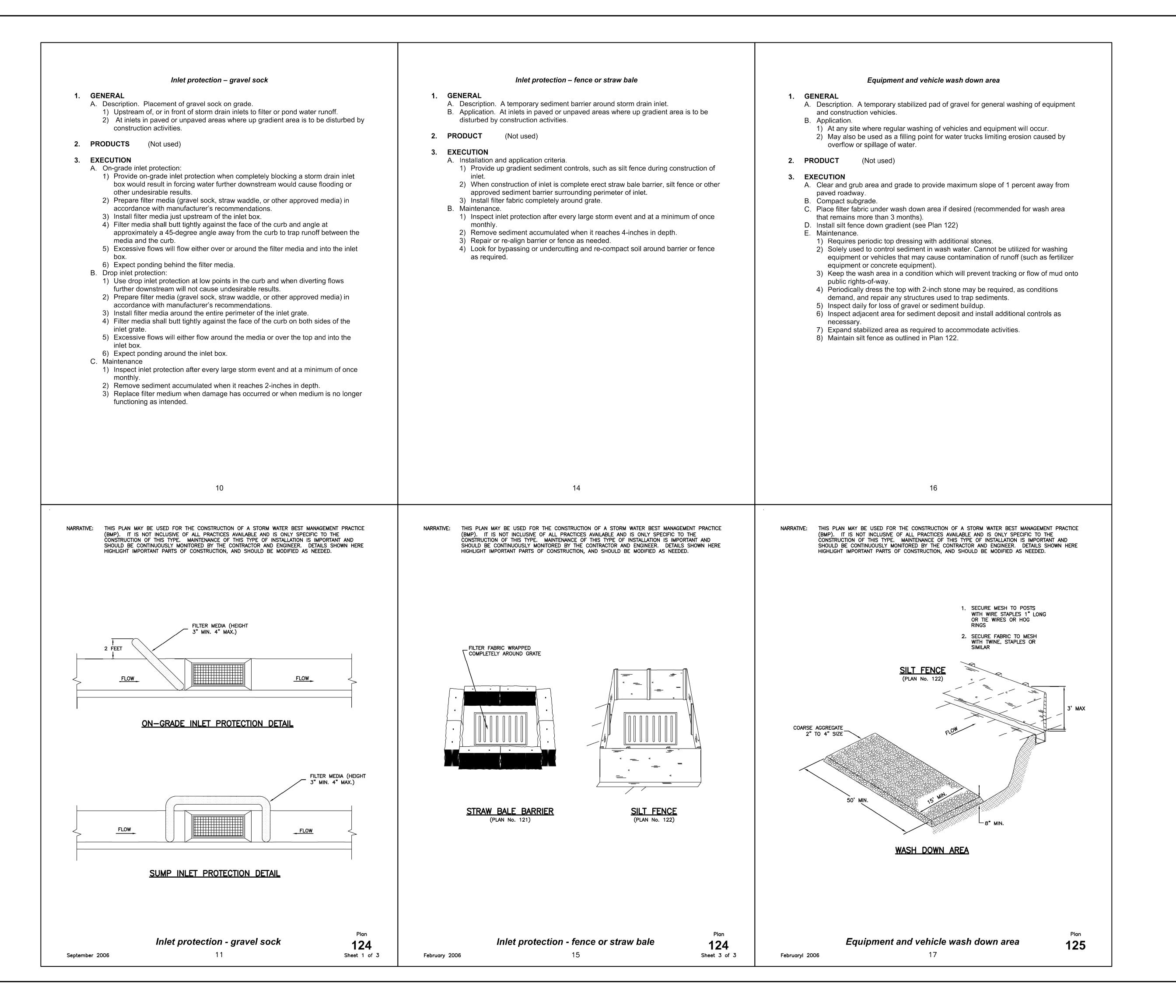
Date: 8/18/2016

EROSION CONTROL DETAILS (APWA)

Diversion dike

February 2006

EC03
Sheet 14 of 29



Calowa Planning. Architecture. Engineering. Trolley Corners Building 515 South 700 East, Suite 3F Salt Lake City, UT 84102 303.770.8884 O

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Date Issue / Description In

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Drawn By: JST

Checked By: RMP

Date: 8/18/2016

EROSION CONTROL DETAILS (APWA)

EC04
Sheet 15 of 29

Stabilized roadway entrance GENERAL construction vehicle access to the site. B. Application. At any site where vehicles and equipment enter the public right of way. **2. PRODUCT** (Not used) 3 EXECUTION paved roadway. B. Compact subgrade.C. Place filter fabric under stone if desired (recommended for entrance area that remains more than 3 months). D. Maintenance. 1) Prevent tracking or flow of mud into the public right-of-way. Periodic top dressing with 2-inch stone may be required, as conditions demand, and repair any structures used to trap sediments. 3) Inspect daily for loss of gravel or sediment buildup. 4) Inspect adjacent area for sediment deposit and install additional controls as 5) Expand stabilized area as required to accommodate activities. 18 NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED. 2" TO 4" SIZE _ COARSE AGGREGATE SEDIMENT FABRIC UNDER GRAVEL -

A. Description. A temporary stabilized pad of gravel for controlling equipment and

- A. Clear and grub area and grade to provide maximum slope of 1 percent away from



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S ENTERPRISES AYS AT WOLF CREEK : 4 & 5

#	Date	Issue / Description
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EDEN, UTAH 84310

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roject No:	WAT01.01
rawn By:	JST
hecked By:	RMP
ate:	8/18/2016

EROSION CONTROL DETAILS (APWA)

Sheet 16 of 29

Stabilized roadway entrance

February 2006

30" Frame and cover

1. GENERAL

A. The frame and cover fits the manhole in Plan 411.

PRODUCTS

- A. Castings: Grey iron class 35 minimum, ASTM A 48, coated with asphalt based paint
 - or better (except on machined surfaces).
 - 1) Cast the heat number on the frame and cover.
 - 2) Give the frame and cover a machine finish so the cover will not rock.
 3) √ designates machined surface.
 - 4) Cast the words "SEWER" on the cover in upper case flush with the surface

3. EXECUTION

A. Except in paved streets, provide locking manhole covers in easements, alleys, parking lots, and all other places. Drill and tap two holes to a depth of 1-inch at 90 degrees to pry hole and install 3/4 x 3/4-inch allen socket set screws.

Sanitary sewer manhole

1. GENERAL

- A. The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the manhole.
- B. Manhole size.
- Diameter is 4 feet: For sewers under 12" diameter.
- 2) Diameter is 5 feet: For sewers 12" and larger, or when 3 or more pipes intersect the manhole.

2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
- C. Concrete: Class 4000, APWA Section 03 30 04.
- D. Riser and Reducing Riser: ASTM C 478.
- E. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.
- F. Grout: 2 parts sand to 1 part cement mortar, ASTM C 1329.
- G. Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR's choice, APWA Section 31 05 19.

3. EXECUTION

- A. Foundation Stabilization: Get ENGINEER's permission to use a sewer rock or a granular backfill borrow in a geotextile wrap to stabilize an unstable foundation.
- B. Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- C. Invert Cover. During construction, place invert covers over the top of pipe in manholes that currently convey sewerage. See Plan 412.
- D. Pipe Connections: Grout around all pipe openings.
- E. Pipe Seal: Install rubber-based pipe seals on all plastic pipes when connecting plastic pipes to manholes. Hold water-stop in place with stainless steel bands.
- F. Joints: Place flexible gasket-type sealant in all riser joints. Finish with grout.
- G. Adjustment: If the required manhole adjustment is more than 1'-0", remove the cone and grade rings and adjust the manhole elevation with the appropriate manhole section, the cone section, and the grade rings or plastic form to make frame and lid match finish grade.
- H Finish: Provide smooth and neat finishes on interior of cones, shafts, and rings. Imperfect moldings or honeycombs will not be accepted.
- I. Backfill: Provide backfill against the manhole shaft. Pea gravel and recycled RAP aggregate is NOT ALLOWED. Water jetting is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 26.

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Cover collar for sanitary sewer manhole

1. GENERAL

A. In a pavement surface, the concrete will support the frame under traffic loadings.

PRODUCTS

- A. Concrete: Class 4000, APWA Section 03 30 04.
- B. Concrete Curing Agent: Type ID Class A (clear with fugitive dye), membrane forming compound, APWA Section 03 39 00.

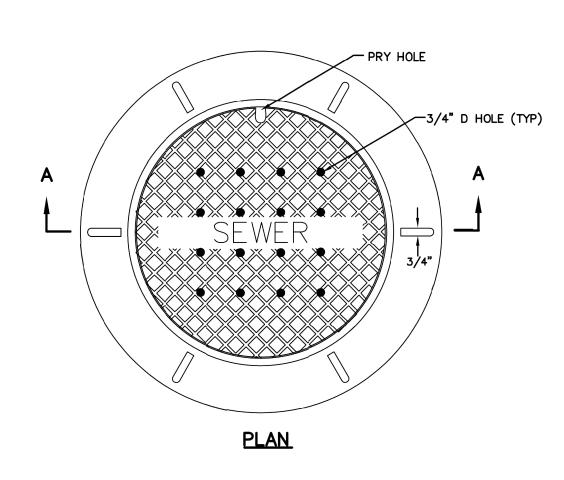
3. EXECUTION

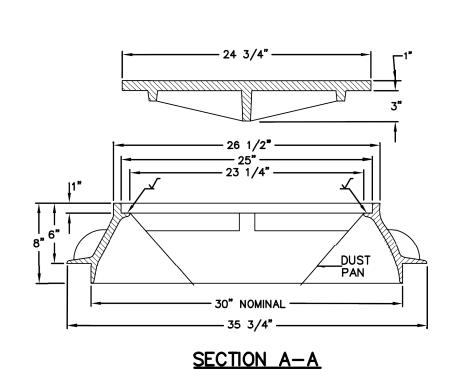
- A. Pavement Preparation: Provide a neat vertical and concentric joint between concrete and existing asphalt concrete surfaces. Clean edges of all dirt, oil, and loose debris.
- B. Concrete Placement: Fill the annular space around the frame and cover casting with concrete. Apply a broom finish. Apply a curing agent.

216

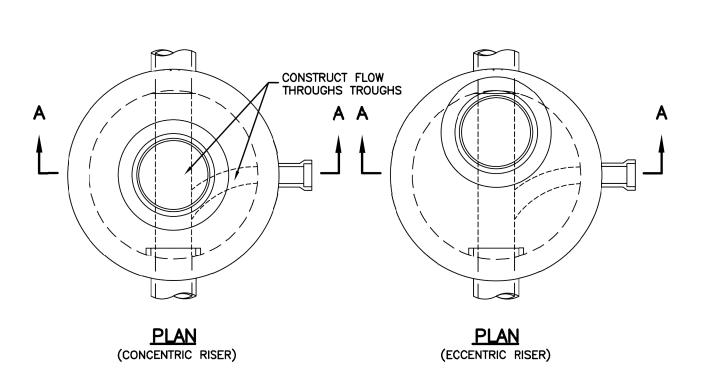
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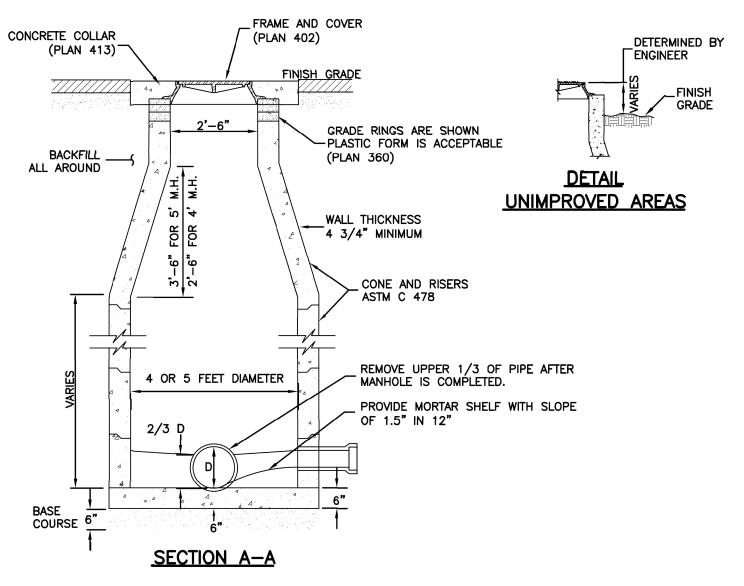
TYPE A





30" Frame and cover
April 1997 211





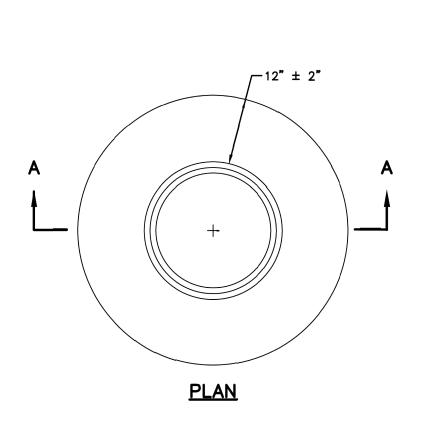
Sanitary sewer manhole

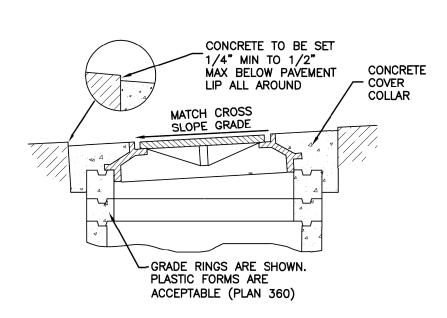
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April 2011

411

September 2001





SECTION A-A

Cover collar for sanitary sewer manhole
217

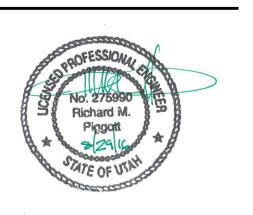
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WATTS ENTERPRISES FAIRWAYS AT WOLF CF PHASE 4 & 5

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Project No:	WAT01.01
Drawn By:	JST
Checked By:	RMP
Date:	8/18/2016

SANITARY SEWER DETAILS (APWA)

DT01
Sheet 17 of 29

Trench backfill

1. GENERAL

A. The drawing applies to backfilling the trench above the pipe zone.

2. PRODUCTS

A. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 3-inches.
B. Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA Section 31 05 15. It must flow easily requiring no vibration for consolidation.

3. EXECUTION

A. Trench Backfill:

- DO NOT USE sewer rock, pea gravel, or recycled RAP aggregate as trench
- Maximum lift thickness is 8-inches before compaction. Compaction is 95
 percent or greater relative to a standard proctor density, APWA Section 31 23
- 3) Water jetting is NOT allowed.
- 4) Submission of quality control compaction test result data developed for haunching areas may be requested by ENGINEER at any time. Provide results of tests immediately upon request.
- B. Flowable Fill: When required, place controlled low strength material in the trench, APWA Section 31 05 15. Cure the fill before placing surface restorations.
- C. Surface Restoration:
- Landscaped Surface: Rake to match existing grade. Replace vegetation to match pre-construction conditions. Follow APWA Section 32 92 00 (turf or grass) or APWA Section 32 93 13 (ground cover) requirements.
- 2) Paved Surface: Do not install asphalt or concrete surfacing until trench compaction is acceptable to ENGINEER. Follow APWA Section 33 05 25 (asphalt surfacing), or APWA Section 33 05 25 (concrete surfacing).

202

Pipe zone backfill

1. GENERAL

A. Install the pipe in the center of the trench or no closer than 6-inches from the wall of the pipe to the wall of the trench.

2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
- C. Concrete: APWA Section 03 30 04.D. Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA
- Section 31 05 15. It must flow easily requiring no vibration for consolidation.
- E. Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR's choice, APWA Section 31 05 19.

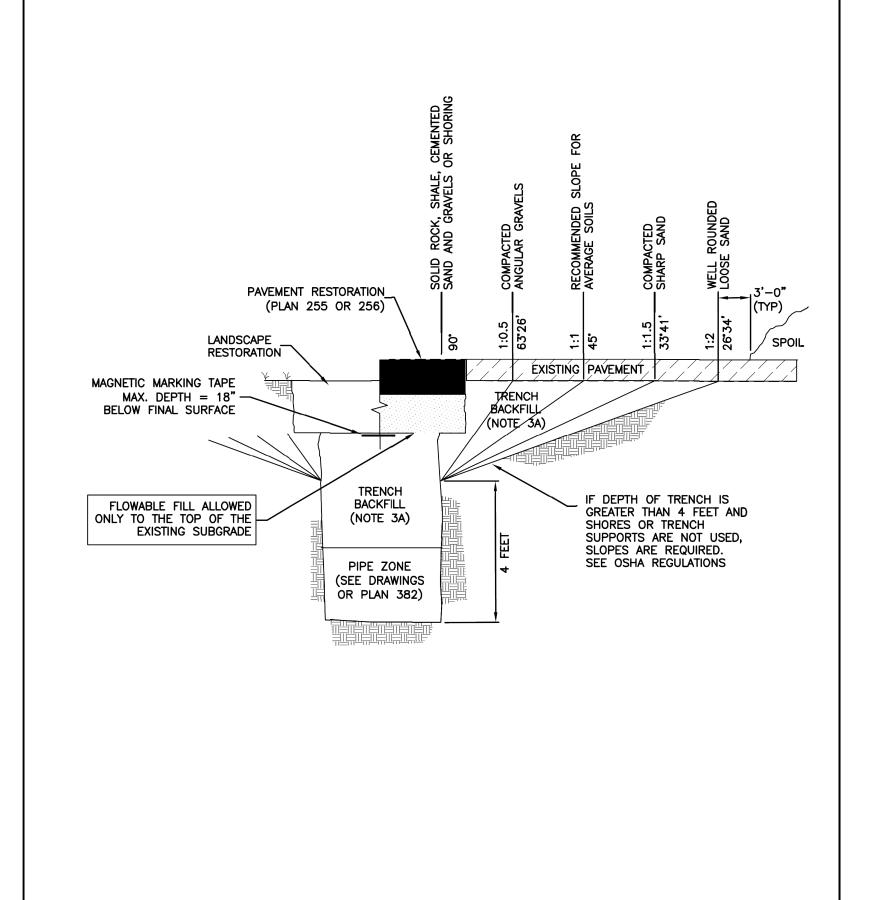
3. EXECUTION

- A. Excavate the Pipe Zone: Width is measured at the pipe spring line and includes any necessary sheathing. Provide width recommended by pipe manufacturer. Follow manufacturer's recommendations when using trench boxes.
- B. Foundation Stabilization: Get ENGINEER's permission before installing common fill. Vibrate to stabilize. Installation of stabilization-separation geotextile will be required to separate backfill material and native subgrade materials if common fill cannot provide a working surface or prevent soils migration.
- C. Base Course:
- 1) Furnish untreated base course material unless specified otherwise by pipe
- Maximum lift thickness is 8-inches before compaction. Compaction is 95
 percent or greater relative to a modified proctor density, APWA Section 31 23
- 3) When using concrete, provide at least Class 2,000 per APWA Section 03 30 04.

 D. Pipe Zone: DO NOT USE sewer rock, pea gravel, or recycled RAP aggregate in the
- pipe zone. Water jetting is NOT allowed.1) Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26
- unless pipe manufacturer requires more stringent installation.Submission of quality control compaction test result data developed for the haunch zone may be requested by ENGINEER at any time. CONTRACTOR is
- to provide results of tests immediately upon request.

 E. Flowable Fill (when required and if allowed by pipe manufacturer):
- 1) Place the controlled low strength material, APWA Section 31 05 15.
- Prevent pipe flotation by installing in lifts and providing pipe restraints as required by pipe manufacturer.
- 3) Reset pipe to line and grade if pipe "floats" out of position.

204



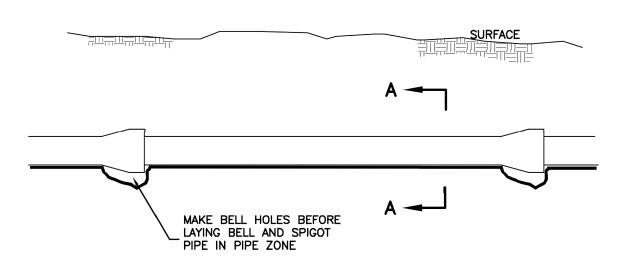
Trench backfill

203

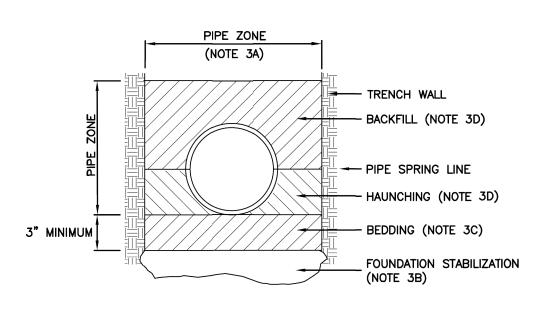
January 2011

381

January 2011



ELEVATION VIEW



SECTION A-A

INSTALLATION

CONCRETE PIPE: FOLLOW ASTM C 1479
"STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPE USING STANDARD INSTALLATIONS.

PVC AND HDPE PIPE: FOLLOW ASTM D 2321
"STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY—FLOW APPLICATIONS"

CORRUGATED METAL PIPE: FOLLOW ASTM A 798
"STANDARD PRACTICE FOR INSTALLING FACOTRY-MADE CORRUGATED STEEL PIPE FOR SEWERS AND OTHER APPLICATIONS.

VITRIFIED CLAY PIPE: FOLLOW ASTM C 12.
"STANDARD RECOMMENDED PRACTICE FOR INSTALLING VITRIFIED CLAY PIPE LINES.

Pipe zone backfill

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WATTS ENTERPRISES FAIRWAYS AT WOLF CRE PHASE 4 & 5

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Project No:	WAT01.01
Drawn By:	JST
Checked By:	RMF
Date:	8/18/2016

SANITARY SEWER DETAILS (APWA)

DT02

Sheet 18 of 29

WOLF CREEK WATER AND SEWER IMPROVEMENT DISTRICT SPECIFICATIONS

- ALL WETTED MATERIALS SHALL BE CERTIFIED TO MEET NSF-61 AND
- MATERIAL OF PIPE (DUCTILE IRON CLASS 51)
- DEPTH OF COVER (5 FEET)
- TYPE OF SERVICE SADDLE (1" DIRECT TAP)
- SIZE AND TYPE OF SERVICE LATERAL (1" COPPER, 200 PSI OR CTS HDPE)
- SERVICE FITTINGS (1" MUELLER COMPRESSION FITTINGS)
- CORP. STOPS (1" MUELLER)
- SETTERS (1" MUELLER WITH DOUBLE CHECK AND LOCKING DEVICE)
- METER BOX (24"DIA. X 36" PLASTIC OR CONCRETE)
- METER BOX LID (24" WITH 2" HOLE IN THE MIDDLE)
- DEPTH OF SERVICE LINE AND METER (5', METER 14"-24" BELOW LID OF BOX)
- TYPE OF METER (NEPTUNE RADIO READ)
- THRUST RESTRAINT (BOTH MEGA-LUG AND CONCRETE)
- FIRE HYDRANTS (MUELLER 5' BURY)
- MAIN LINE LOCATION IN NEW SUBDIVISIONS (IN ROADS; SHOULDERS OK IF EXISTING ROAD WITHOUT C+G)
- UNDER NO CIRCUMSTANCE SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO THE TRENCH
- OPEN ENDS OF ALL PIPELINES UNDER CONSTRUCTION SHALL BE COVERED AND EFFECTIVELY SEALED AT THE END OF THE DAY'S WORK



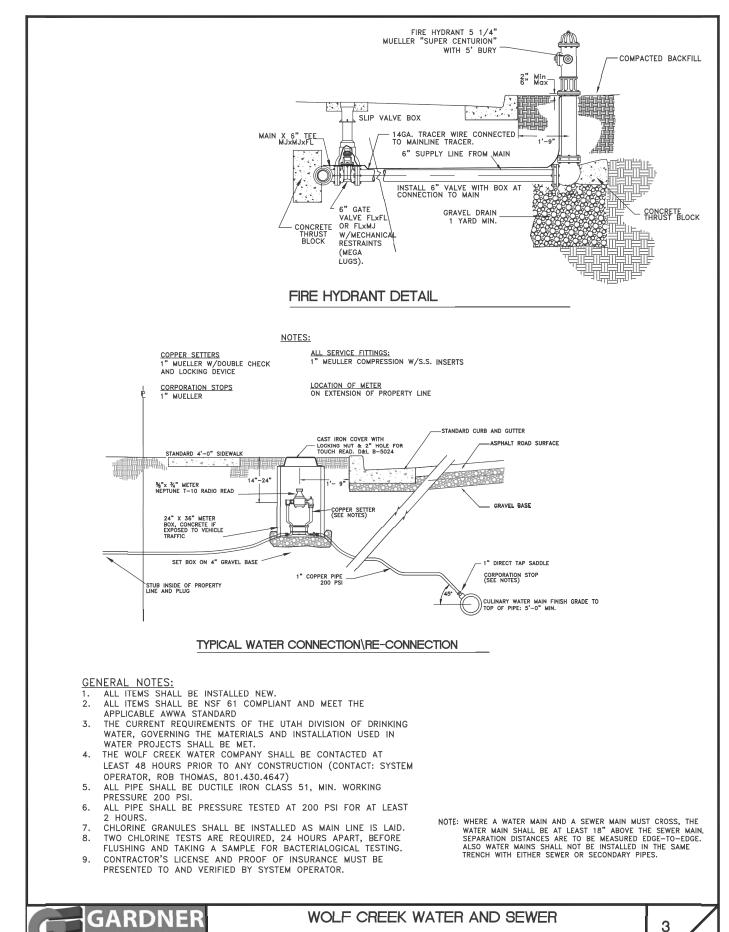
WOLF CREEK WATER AND SEWER IMPROVEMENT DISTRICT STANDARD WATER DETAILS

METERS LOCATED IN R.O.W. ALONG FRONTAGE

- TRACER WIRE REQUIRED (MIN. 14 GA., BRING UP F.H. BARREL AND WRAP AT LEAST TWICE ABOVE GROUND)
- WARNING TAPE (2" WIDE METALLIC, "BURIED WATER LINE BELOW", LOCATE 18"-24" BELOW FINISHED GRADE)
- BLOW OFFS (2" FLUSH VALVE -TYPE WITH DRAIN, MAINGUARD MODEL #78 OR EQUAL)
- PRV STATIONS (USE CLA-VAL VALVES WITH BYPASS AND PRESSURE RELIEF)
- AIR/VAC VALVES (LOCATED AT PEAKS, VENT OUTSIDE TRAVELED WAY, SEE DETAIL)
- MAIN LINE VALVES (MUELLER VALVES WITH MEGA LUG ON ALL BRANCHES AND RUNS OF TEES AND CROSSES) PRESSURE TEST THE LINE TO 200 LBS FOR TWO HRS.
- ADD CHLORINE GRANULES IN LINE AS IT IS LAID.
- TAKE A CHLORINE TEST AT 50 PPM AND THEN 24 HRS LATER TAKE ANOTHER TEST TO ENSURE THAT A RESIDUAL OF 25 PPM REMAINS.
- FLUSH AND TAKE A SAMPLE TO THE LAB TO VERIFY THAT IT PASSES.
- ALL PIPE AND SERVICE CONNECTIONS WILL BE BEDDED WITH IMPORTED MATERIAL, SAND OR LIKE MATERIAL.
- CONTRACTOR'S LICENCE AND PROOF OF INSURANCE REQUIRED NO THIRD PARTY PERSON.

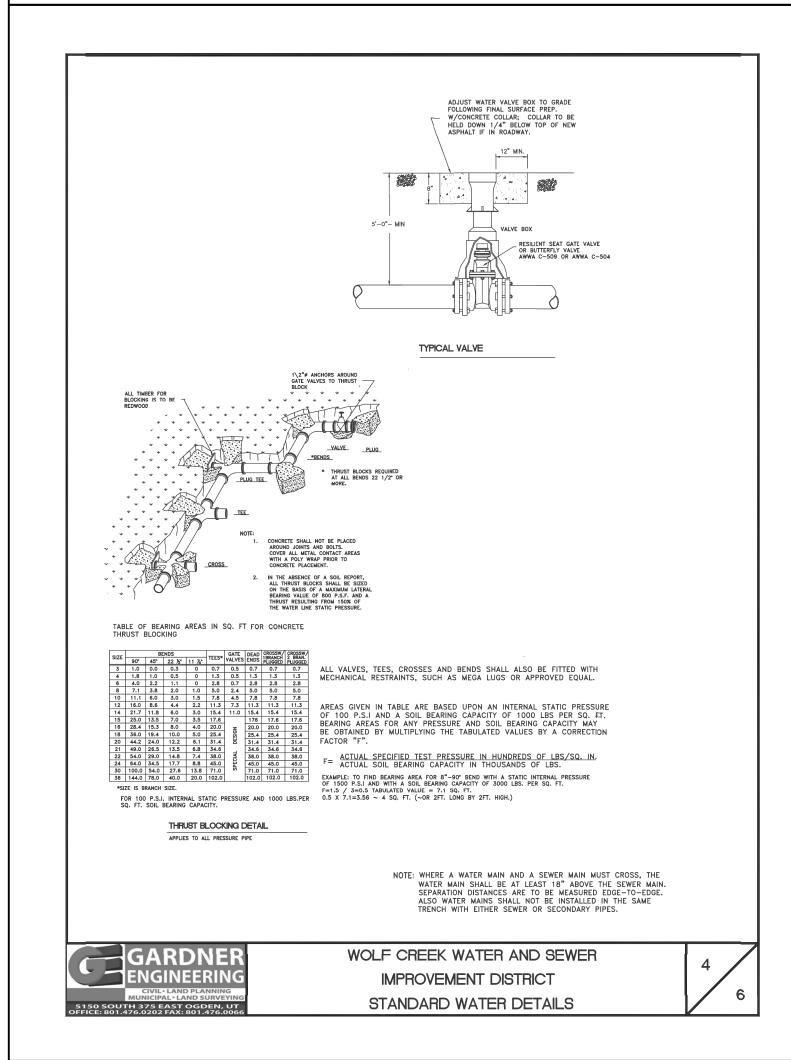


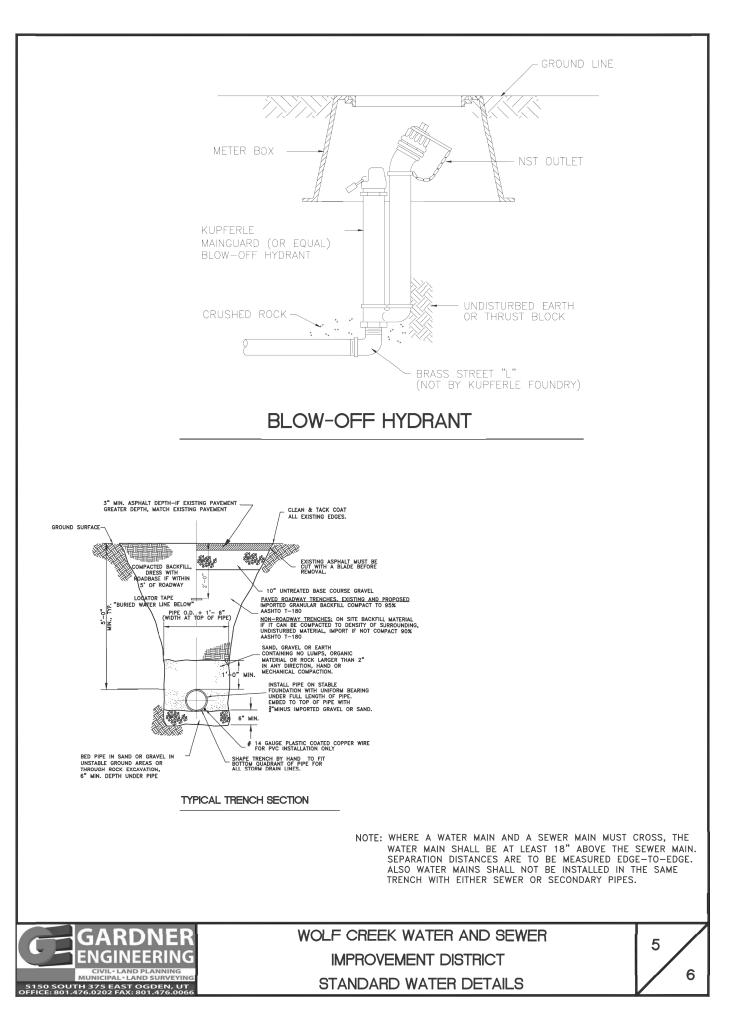
WOLF CREEK WATER AND SEWER IMPROVEMENT DISTRICT STANDARD WATER DETAILS

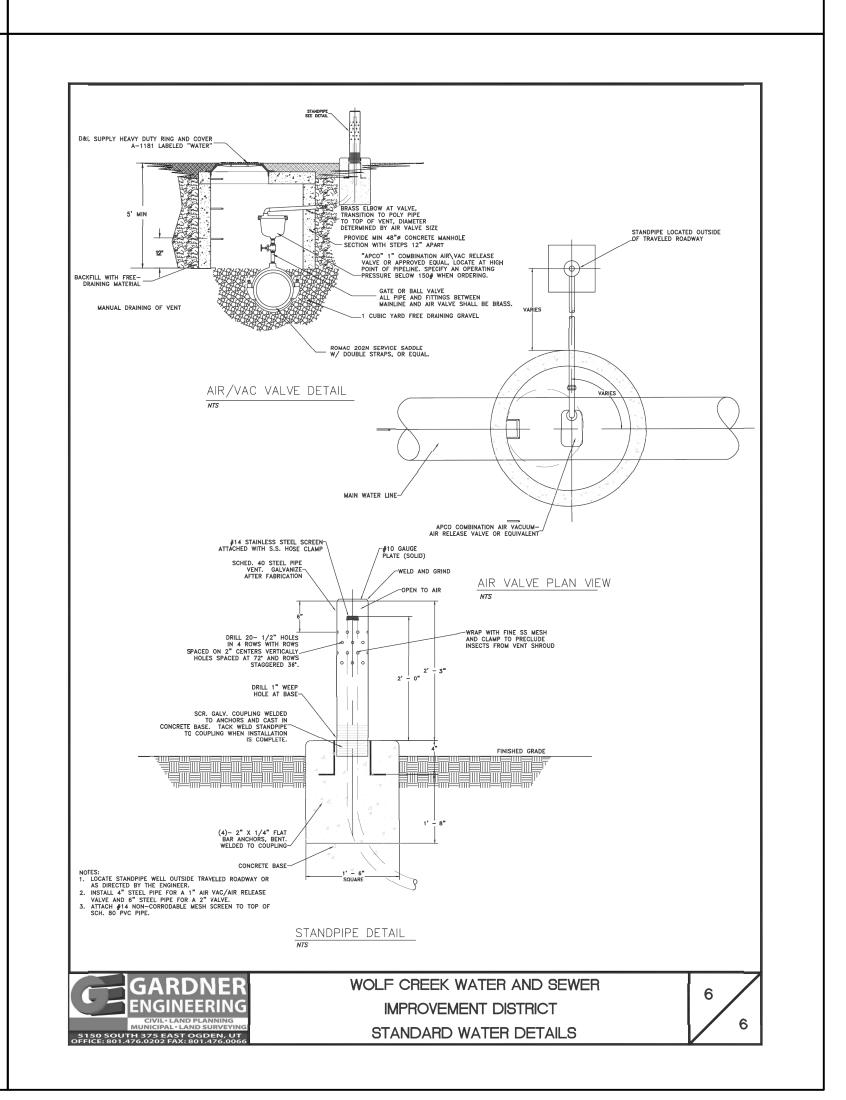




IMPROVEMENT DISTRICT STANDARD WATER DETAILS













TERPRISES AT WOLF (

#	Date	Issue / Description	Init.
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JST RMP 8/18/2016

WATER DETAILS (WCWSID)



1. GENERAL

- A. The frame and cover fits.
 - 1) Cleanout box type B in Plan 331, and 2) Precast manhole in Plan 341.

2. PRODUCTS

- A. Castings: Grey iron class 35 minimum, ASTM A 48.
- 1) Coated with asphalt based paint or better (except on machined surfaces).
- 2) Cast the heat number on the frame and cover.
- 3) Give the frame and cover a machine finish so the cover will not rock. 4) √ designates a machine finished surface.
- 5) Cast the words "STORM DRAIN" on the cover in upper case flush with the surface finish.

3. EXECUTION

A. Except in paved streets, provide locking manhole covers in easements, alleys, parking lots, and all other places. Drill and tap two holes to a depth of 1-inch at 90 degrees to pry hole and install 3/4 x 3/4-inch allen socket set screws.

Catch basin

GENERAL

A. The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the box.

PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches. C. Concrete: Class 4000, APWA Section 03 30 04.
- D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.

3. EXECUTION

- A. Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- B. Curb Face Opening: Make opening at least 4-inches high. Provide at least a 2-inch drop between the "warp line" in the gutter flow-line and the top of the grate at the curb face opening.
- C. Concrete Placement: APWA Section 03 30 10. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
- D. Backfill: Place backfill against the basin wall. Pea gravel and recycled RAP aggregate is NOT ALLOWED. Water jetting is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 26.

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SINGLE GRATE

<u>PLAN</u>

49 49 49

SECTION A-A

MATCH BACK OF

#4 BAR @ 12" O.C. EACH WAY ALL AROUND

Combination catch basin and cleanout box

GENERAL

A. The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the box.

2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches. C. Concrete: Class 4000, APWA Section 03 30 04.
- D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.
- E. Ladder Rungs: Plastic, or plastic coated steel typically 8-inches wide.

- A. Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- B. Curb Face Opening: Make opening at least 4-inches high. Provide at least a 2-inch drop between the "begin warp" line in the gutter flow-line and the top of the grate at the curb face opening.
- C. Ladder Rungs: Provide rungs in boxes over 6 feet deep. When measured from the floor of the box, place bottom rung the greater distance of 4 feet from the floor of the box or 1 foot above the top of the pipe. Place top rung within 3 feet of bottom of box
- D. Concrete Placement: APWA Section 03 30 10. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.

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E. Backfill: Provide backfill against all sides of the box. Pea gravel and recycled RAP

aggregate is NOT ALLOWED. Water jetting is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 26.

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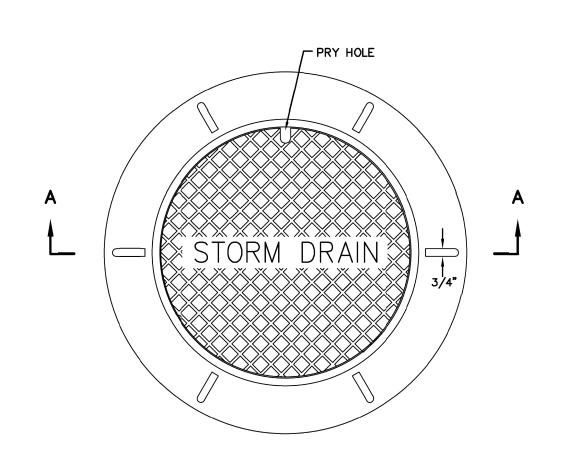
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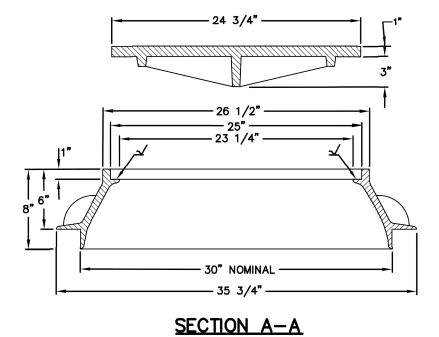
STORM DRAIN DETAILS (APWA)

Sheet 20 of 29

132

TYPE A





30" Frame and cover

September 2001

302 Sheet 1 of 2

FLOW LINE DROP -

(NOTE 3B)

DO NOT USE 'L' BARS FOR FRAME SUPPORT

-|6"|--2'-0"-|6"|- 3'−0" ──

4" MIN.
CURB OPENING

'L' BAR -

Combination catch basin and cleanout box

March 2011

315 Sheet 1 of 2

SECTION C-C

(4) #4x18" (PLAN 206)

CONSTRUCTION

"L" BAR DETAIL

(Y) CURB HEIGHT

INVERT

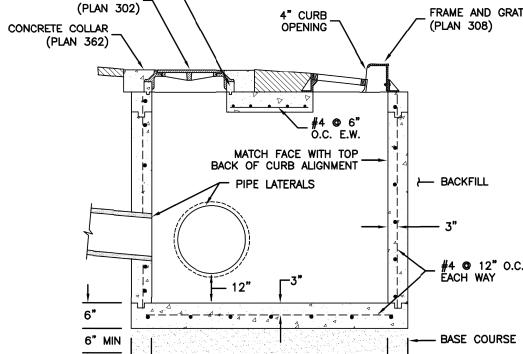
BOTTOM OF GUTTER

→ BACKFILL

159

SECTION B-B Catch basin

1'-3" <u>PLAN</u> RAISE FRAME TO GRADE (PLAN 360) FRAME AND COVER_ (PLAN 302) 4" CURB OPENING (PLAN 362)



SECTION A-A

1. GENERAL

- A. Round concrete pipe application.
- B. Additional requirements are specified in APWA Section 33 05 02.

2. PRODUCTS

- A. Use the same quality of precast end section as the pipe.
- B. Use the joint material and connection that is the same as the joints in the pipeline.

3. EXECUTION

- A. General dimensions and geometric shapes may vary from manufacturer to
- B. Steel reinforcement is not required in the concrete end section shown. C. Provide joint restraint connectors if required by ENGINEER.

Precast manhole

1. GENERAL

- A. The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the manhole.
- B. Manhole size.
- 1) Diameter is 4 feet: For pipe under 12" diameter.
- 2) Diameter is 5 feet: For pipe 12" and larger, or when 3 or more drain pipes intersect the manhole.
- C. Wall thickness:
- 1) Precast reinforced concrete walls 4 3/4" minimum.
- 2) Cast-in-place concrete to be 8 inches thick minimum. 2. PRODUCTS
- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel
- as a base course without ENGINEER's permission. B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
- C. Concrete: Class 4000, APWA Section 03 30 04.
- D. Riser and Reducing Riser: Reinforced concrete pipe, Class III, ASTM C 478.
- E. Joint Sealant: Rubber based, compressible. F. Grout: 2 parts sand to 1 part cement mortar.

3. EXECUTION

- A. Foundation Stabilization: Get ENGINEER's permission to use a sewer rock or pea gravel to stabilize an unstable foundation.
- B. Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- C. Invert cover. During construction, place invert covers over the top of pipe in manholes that currently convey sewerage. See Plan 412.
- D. Concrete Deck or Reducing Riser: When depth of manhole from pipe invert to finish grade exceeds 7 feet, use an ASTM C 478 reducing riser cone.
- E. Pipe Connections: Grout around all pipe openings.
- F. Water Stops: Install rubber-based water-stops on all plastic pipes when connecting
- plastic pipes to manholes. Hold water-stop in place with stainless steel bands.
- G. Joints: Place flexible sealant in all joints. Finish with grout. H. Finish: Provide smooth and neat finishes on interior of cones, shafts, and rings.
- Imperfect moldings or honeycombs will not be accepted.
- I. Backfill: Provide backfill against the manhole shaft. Pea gravel and recycled RAP aggregate is NOT ALLOWED. Water jetting is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 26.

PIPE PASS-THROUGH BASE

CONCENTRIC CONE INSTALLATION UNLESS SPECIFIED OTHERWISE.

6" INCHES MINIMUM - MEASURED ON THE INSIDE

RAISE FRAME TO GRADE (PLAN 360)

CONCRETE DECK

(PLAN 345)

ASTM C 478

CONCRETE COLLAR

ALL AROUND (TYP)

BACKFILL

USE APPROPRIATE FRAME AND COVER (PLAN 302 OR 303)

OF THE MANHOLE (TYP)

(SECTION B-B)

A NOTE: INVERT CONNECTION SHOWN IS NOT APPLICABLE IF LATERAL INVERT DOES NOT COINCIDE WITH MAIN INVERT

TABLE OF DIMENSIONS

DIMENSION

 $(X) = 48" \quad (Y) = 30"$

 $(X) = 60" \quad (Y) = 44"$

(X) = 60" (Y) = 30"

MANHOLE

В

С

BREAK OUT AND GROUT

REDUCING _ RISER

Raise frame to grade

1. GENERAL

A. Grade rings are used in non-pressurized applications to adjust frame to grade.

2. PRODUCTS

- A. Concrete: Class 4000, APWA Section 03 30 04.
- B. Reinforcement: Deformed, 60 ksi yield grade hoop steel, ASTM A 615.

GRADE RING

- 1) 2 1/2" High Rings: Provide two 1/4" diameter steel hoops tied with No. 14 AWS gage wire, 8" on center.
- 2) 6" and 8" High Rings: Provide four 1/4" diameter steel hoops, tied with No. 14 AWS gage wire, 8" on center.
- C. Gasket: Rubber-based, compressible.

3. EXECUTION

A. Ring Manufacture:

- 1) Fabrication, APWA Section 03 30 10.
- 2) Cure, APWA Section 03 39 00.
- B. Field Installation: Seat rings with a compressible gasket.

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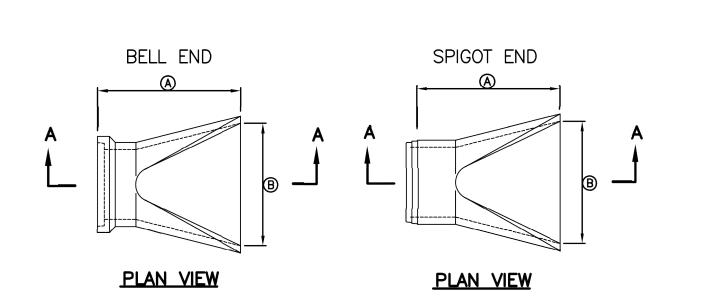
TERPRISES AT WOLF (

JST RMP 8/18/2016

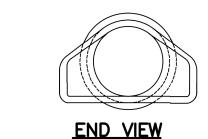
STORM DRAIN DETAILS (APWA)

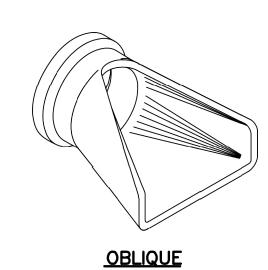
ROUND WITH FLARE

170



SECTION A-A





November 2010

TABLE OF DIMENSION 36" 73" 73" 48" 60" 73**"** 97" 72**"** 98" 78**"** 48" 98" 84" MINIMUM DIMENSIONS ARE SHOWN. ACTUAL SIZES MAY BE SLIGHTLY LARGER

323

Sheet 1 of 3

Sheet 2 of 2

May 2006

193

27", 30", 38" OR 44"

CONCRETE DECK

DECK SECTION

(PLAN 345)

Raise frame to grade

__ 1/4" DIAMETER HOOP STEEL

Sheet 1 of 2

12" MAXIMUM

_ 2.5" MINIMUM

TIE WIRE (TYP)

Precast manhole

SEE RING DETAIL

BASE COURSE

8" MIN

SECTION B-B

(REDUCING RISER OPTION)

1/4"---

1/4" —

November 2010

COVER COLLAR_ (PLAN 362)

Pipe outfall 171

RING DETAIL

27", 30", 38" OR 44"

CONCRETE CONE ASTM C 478

CONE SECTION

__ TO CENTER OF RING

RUBBER GASKET TO COMPLETELY FILL VOID

GASKET DETAIL

SECTION A-A (CONCRETE DECK OPTION)

Sheet 21 of 29

Cover collar for storm drains

GENERAL

A. In a pavement surface, the concrete will support the frame under traffic loadings.

2. PRODUCTS

- A. Concrete: Class 4000, APWA Section 03 30 04.
- B. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

EXECUTION

- A. Pavement Preparation: Provide a neat vertical and concentric joint between concrete and existing asphalt concrete surfaces. Clean edges of all dirt, oil, and
- B. Concrete Placement: APWA Section 03 30 10. Fill the annular space around the frame and cover casting with concrete. Apply a broom finish. Apply a curing agent.

Trench backfill

1. GENERAL

A. The drawing applies to backfilling the trench above the pipe zone.

- A. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 3-inches. B. Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA
- Section 31 05 15. It must flow easily requiring no vibration for consolidation.

3. EXECUTION

A. Trench Backfill:

- 1) DO NOT USE sewer rock, pea gravel, or recycled RAP aggregate as trench
- 2) Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23
- 3) Water jetting is NOT allowed.
- 4) Submission of quality control compaction test result data developed for
- B. Flowable Fill: When required, place controlled low strength material in the trench,
- 1) Landscaped Surface: Rake to match existing grade. Replace vegetation to match pre-construction conditions. Follow APWA Section 32 92 00 (turf or
- compaction is acceptable to ENGINEER. Follow APWA Section 33 05 25

Pipe zone backfill

1. GENERAL

A. Install the pipe in the center of the trench or no closer than 6-inches from the wall of the pipe to the wall of the trench.

2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
- C. Concrete: APWA Section 03 30 04.
- D. Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA Section 31 05 15. It must flow easily requiring no vibration for consolidation.
- E. Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR's choice, APWA Section 31 05 19.

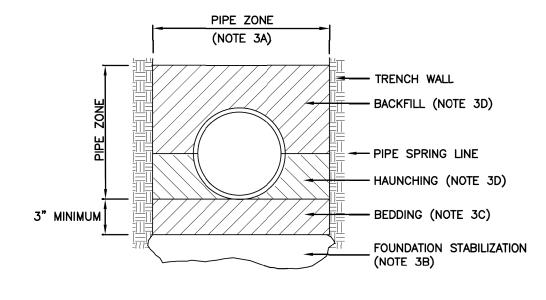
3. EXECUTION

- A. Excavate the Pipe Zone: Width is measured at the pipe spring line and includes any necessary sheathing. Provide width recommended by pipe manufacturer. Follow manufacturer's recommendations when using trench boxes.
- B. Foundation Stabilization: Get ENGINEER's permission before installing common fill. Vibrate to stabilize. Installation of stabilization-separation geotextile will be required to separate backfill material and native subgrade materials if common fill cannot provide a working surface or prevent soils migration.
- C. Base Course:
- 1) Furnish untreated base course material unless specified otherwise by pipe
- 2) Maximum lift thickness is 8-inches before compaction. Compaction is 95
- percent or greater relative to a modified proctor density, APWA Section 31 23
- 3) When using concrete, provide at least Class 2,000 per APWA Section 03 30 04. D. Pipe Zone: DO NOT USE sewer rock, pea gravel, or recycled RAP aggregate in the
- pipe zone. Water jetting is NOT allowed. 1) Maximum lift thickness is 8-inches before compaction. Compaction is 95
- percent or greater relative to a modified proctor density, APWA Section 31 23 26 unless pipe manufacturer requires more stringent installation.
- 2) Submission of quality control compaction test result data developed for the haunch zone may be requested by ENGINEER at any time. CONTRACTOR is to provide results of tests immediately upon request.
- E. Flowable Fill (when required and if allowed by pipe manufacturer):
- 1) Place the controlled low strength material, APWA Section 31 05 15. 2) Prevent pipe flotation by installing in lifts and providing pipe restraints as
- required by pipe manufacturer.
- 3) Reset pipe to line and grade if pipe "floats" out of position.

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MAKE BELL HOLES BEFORE LAYING BELL AND SPIGOT PIPE IN PIPE ZONE

ELEVATION VIEW



SECTION A-A

INSTALLATION

CONCRETE PIPE: FOLLOW ASTM C 1479 "STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPE USING STANDARD

PVC AND HDPE PIPE: FOLLOW ASTM D 2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW

CORRUGATED METAL PIPE: FOLLOW ASTM A 798 STANDARD PRACTICE FOR INSTALLING FACOTRY—MADE CORRUGATED STEEL PIPE FOR SEWERS AND OTHER APPLICATIONS.

VITRIFIED CLAY PIPE: FOLLOW ASTM C 12.

(APWA)

Sheet 22 of 29

haunching areas may be requested by ENGINEER at any time. Provide results of tests immediately upon request.

APWA Section 31 05 15. Cure the fill before placing surface restorations.

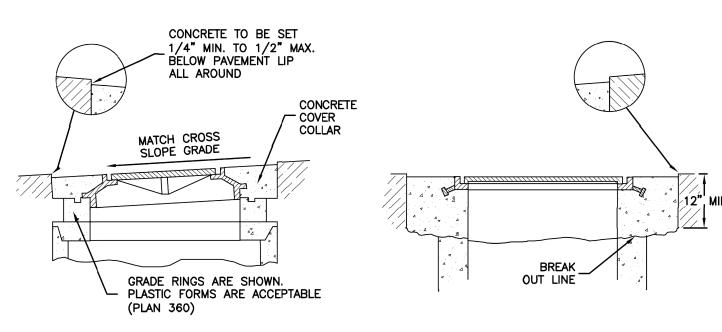
C. Surface Restoration: grass) or APWA Section 32 93 13 (ground cover) requirements.

2) Paved Surface: Do not install asphalt or concrete surfacing until trench (asphalt surfacing), or APWA Section 33 05 25 (concrete surfacing).

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ROUND **RECTANGULAR FRAME FRAME** <u>PLAN</u>

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<u>PLAN</u>

SECTION B-B

SHORES OR TRENCH SUPPORTS ARE NOT USED, SLOPES ARE REQUIRED. SEE OSHA REGULATIONS PIPE ZONE (SEE DRAWINGS OR PLAN 382)

BACKFILL

PAVEMENT RESTORATION_ (PLAN 255 OR 256)

LANDSCAPE

RESTORATION

Trench backfill

EXISTING PAVEMENT

IF DEPTH OF TRENCH IS GREATER THAN 4 FEET AND

381

January 2011

Pipe zone backfill 205

STORM DRAIN DETAILS

JST RMP

8/18/2016

197

362

203 January 2011

ONLY TO THE TOP OF THE (NOTE 3A) EXISTING SUBGRADE

MAGNETIC MARKING TAPE MAX. DEPTH = 18" -

BELOW FINAL SURFACE

FLOWABLE FILL ALLOWED

SECTION A-A

December 2010

Cover collar for storm drains

Trolley Corners Building 515 South 700 East, Suite 3F Salt Lake City, UT 84102

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WATTS ENTERPRISES FAIRWAYS AT WOLF CREEK

EDEN, UT

STORMWATER CHAMBER SPECIFICATIONS

- 1. CHAMBERS SHALL BE STORMTECH DC-780 OR APPROVED EQUAL.
- 2. CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- 3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- 4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- 5. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
- a. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
- b. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 OR ASTM F2922 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE
- c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
- 8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE DC-780 CHAMBER SYSTEM

- STORMTECH DC-780 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- 2. STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
- STONESHOOTER LOCATED OFF THE CHAMBER BED.
- BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- 4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- 5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- 5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE

6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.

- 7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
- 8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

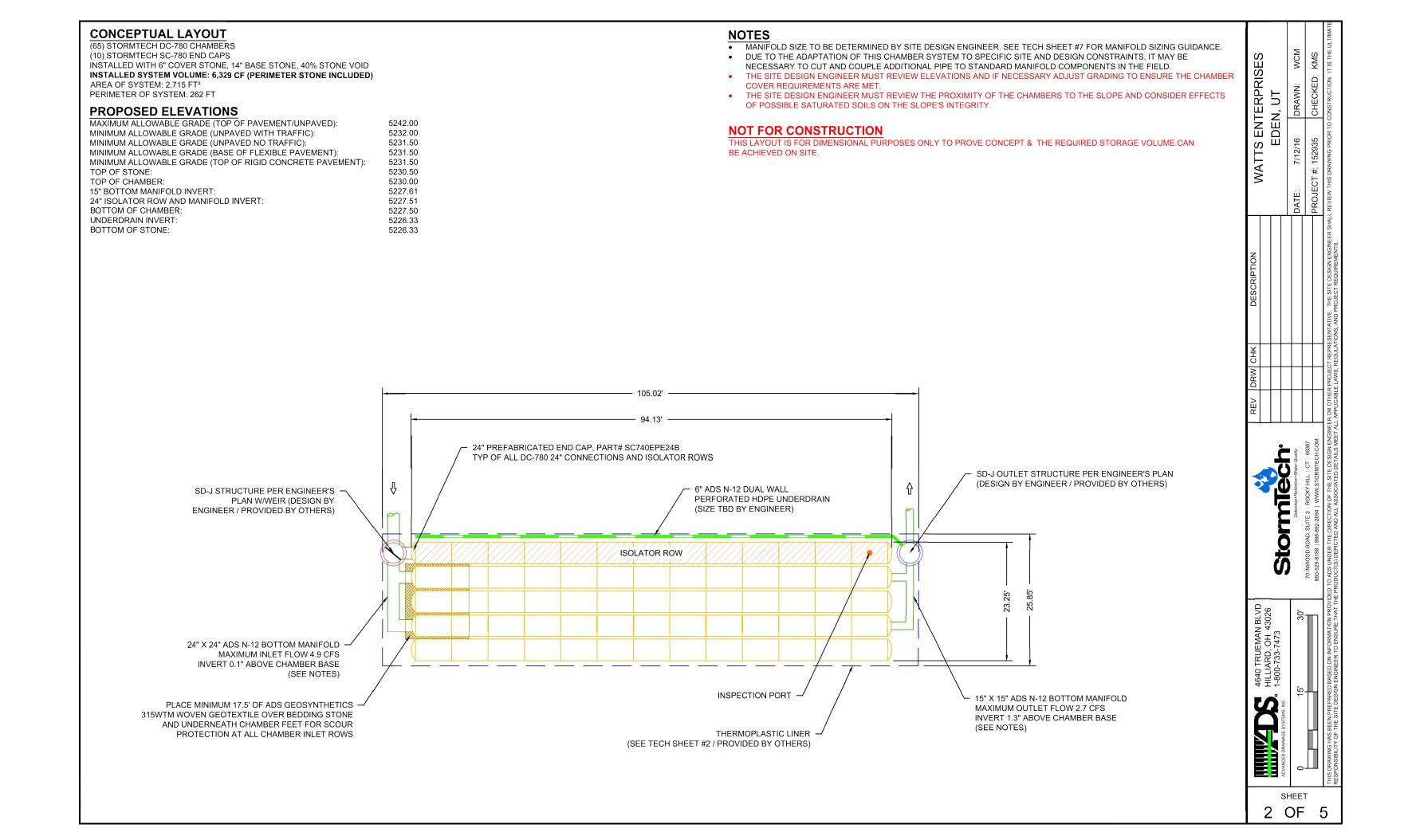
- 1. STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER DC-780 CHAMBERS IS LIMITED:

 NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
- NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- 3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

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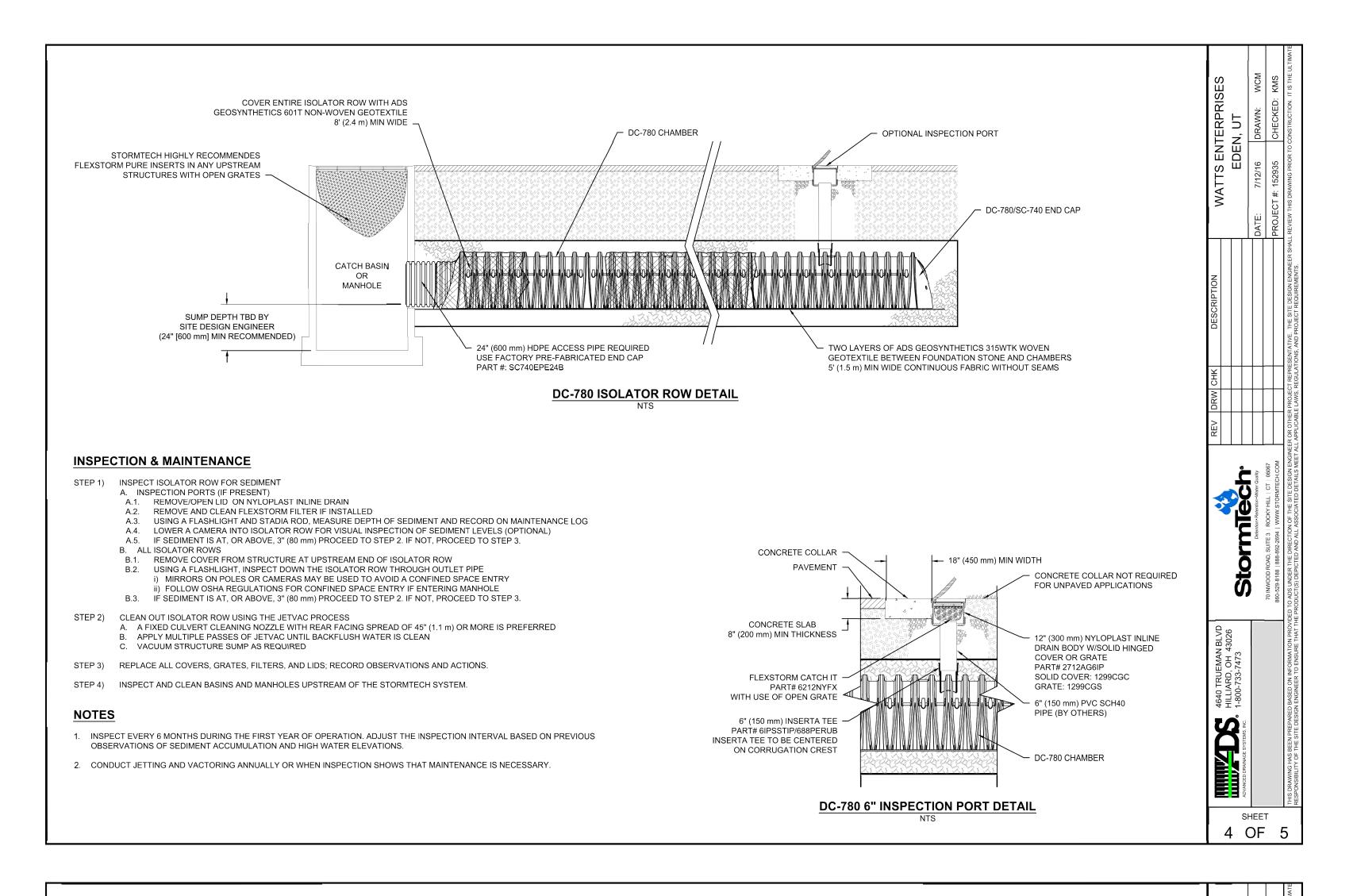
WATTS ENTERPRISES FAIRWAYS AT WOLF CF PHASE 4 & 5

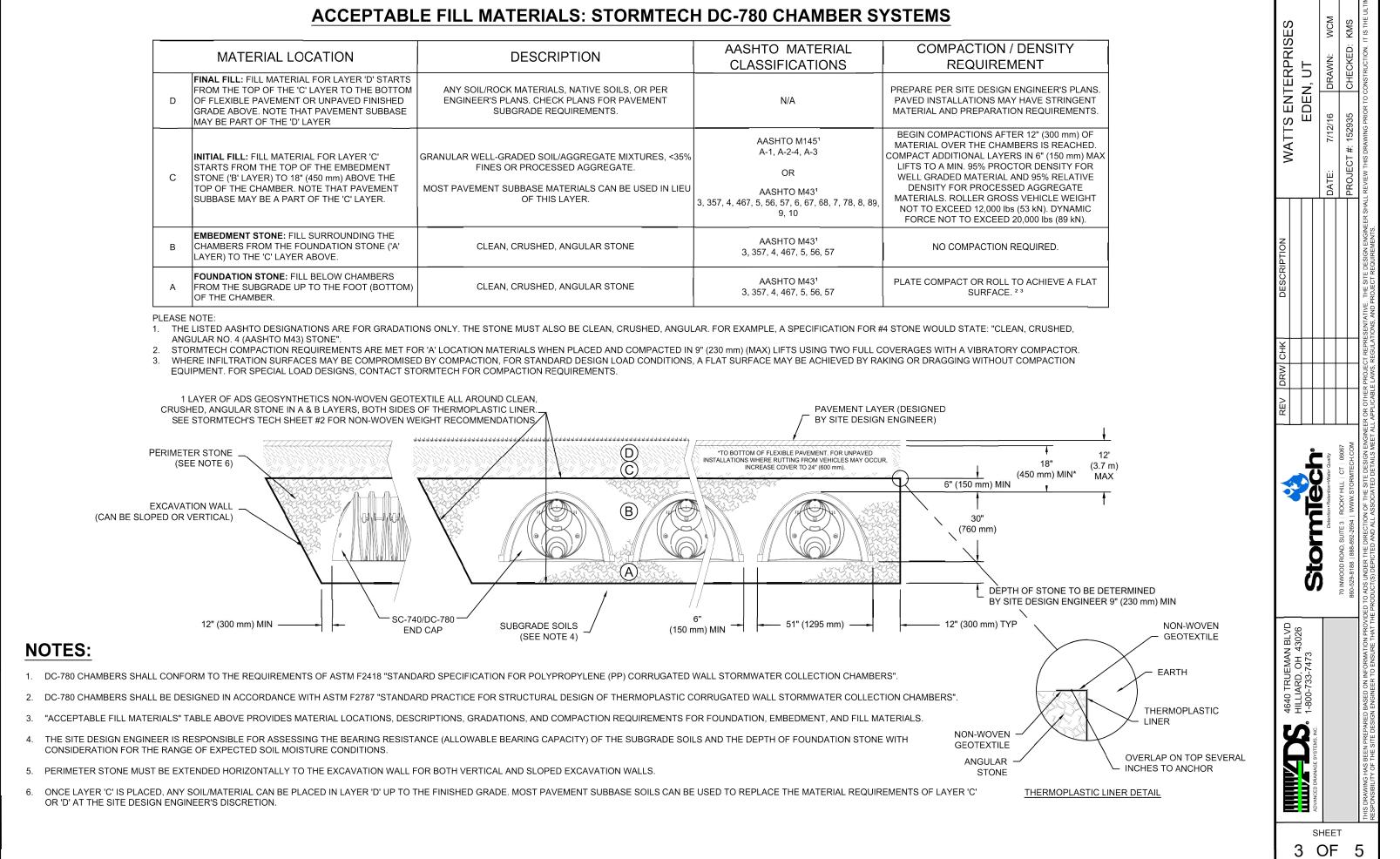
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hecked By: RMP
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STORM DRAIN DETAILS







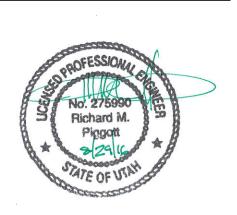
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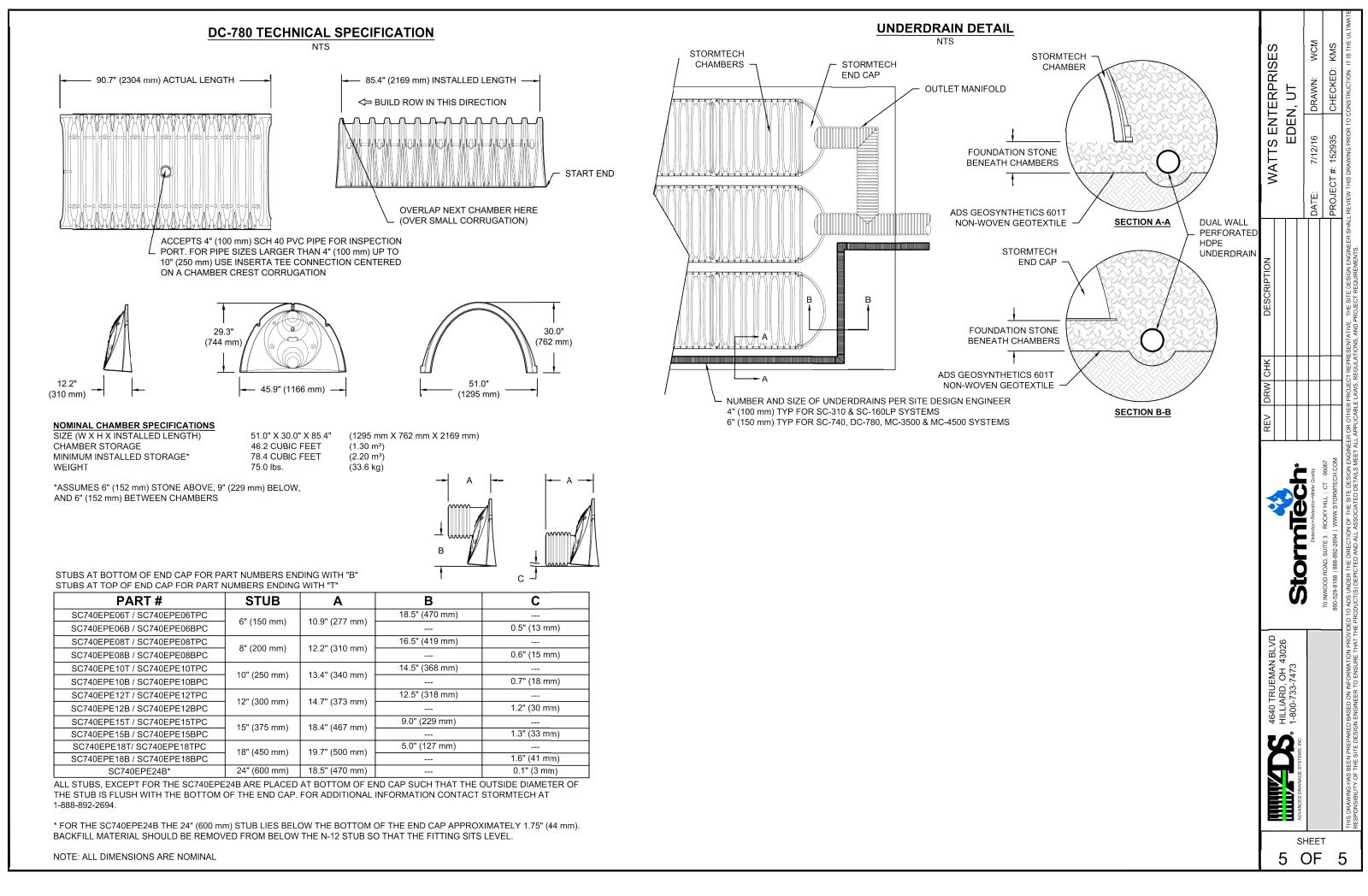
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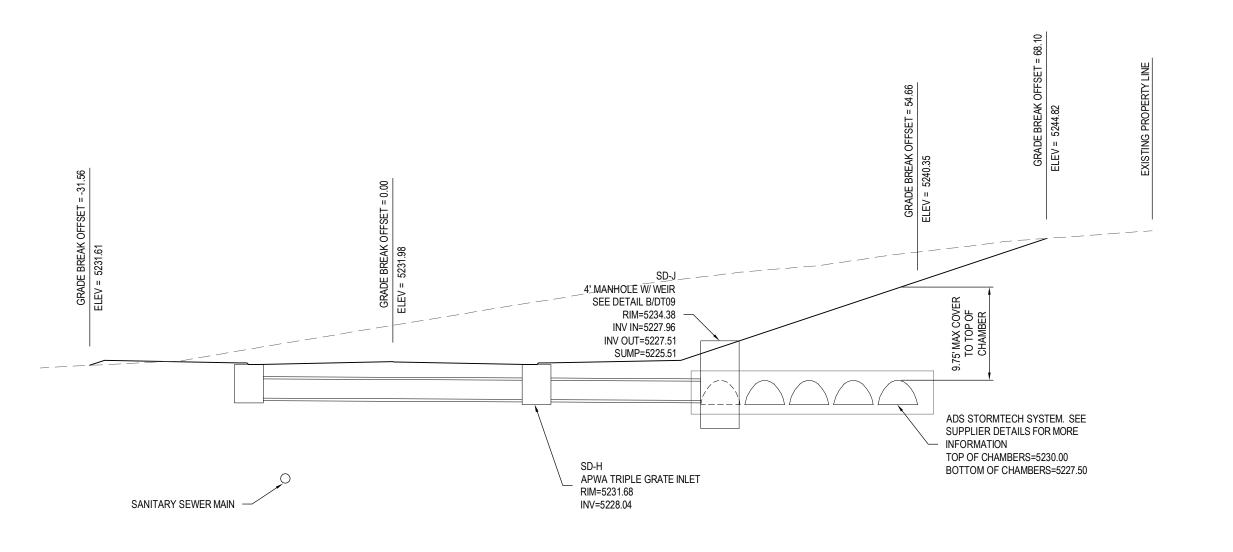
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Drawn By:	JST
Checked By:	RMP
Date:	8/18/2016

STORM DRAIN DETAILS

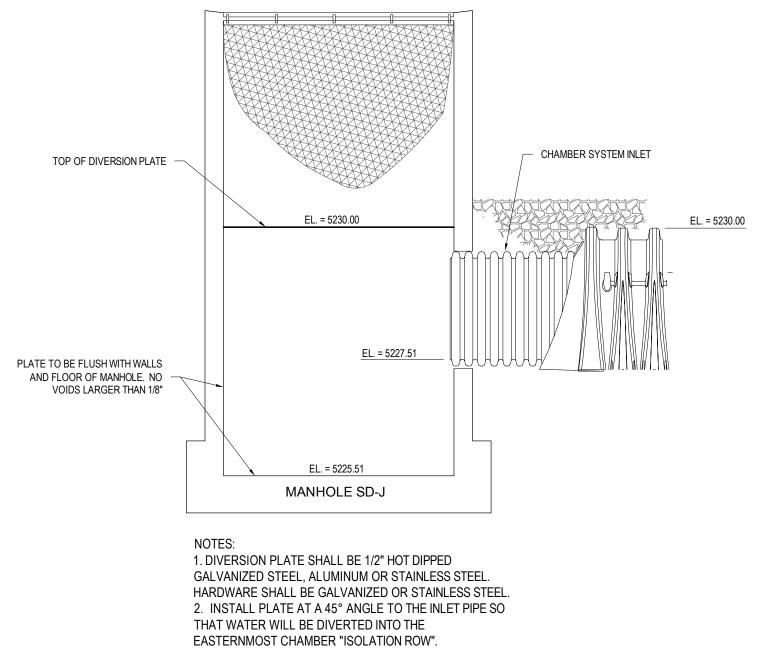
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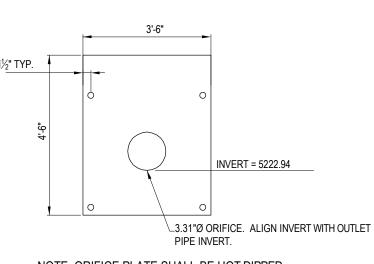


NOT TO SCALE



A STORM WATER GALLERY CROSS SECTION A-A'





NOTE: ORIFICE PLATE SHALL BE HOT DIPPED GALVANIZED STEEL, ALUMINUM OR STAINLESS STEEL. HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.

B GALLERY INLET DIVERSION MANHOLE

NOT TO SCALE

C GALLERY OUTLET ORIFICE PLATE

NOT TO SCALE

STORM DRAIN DETAILS

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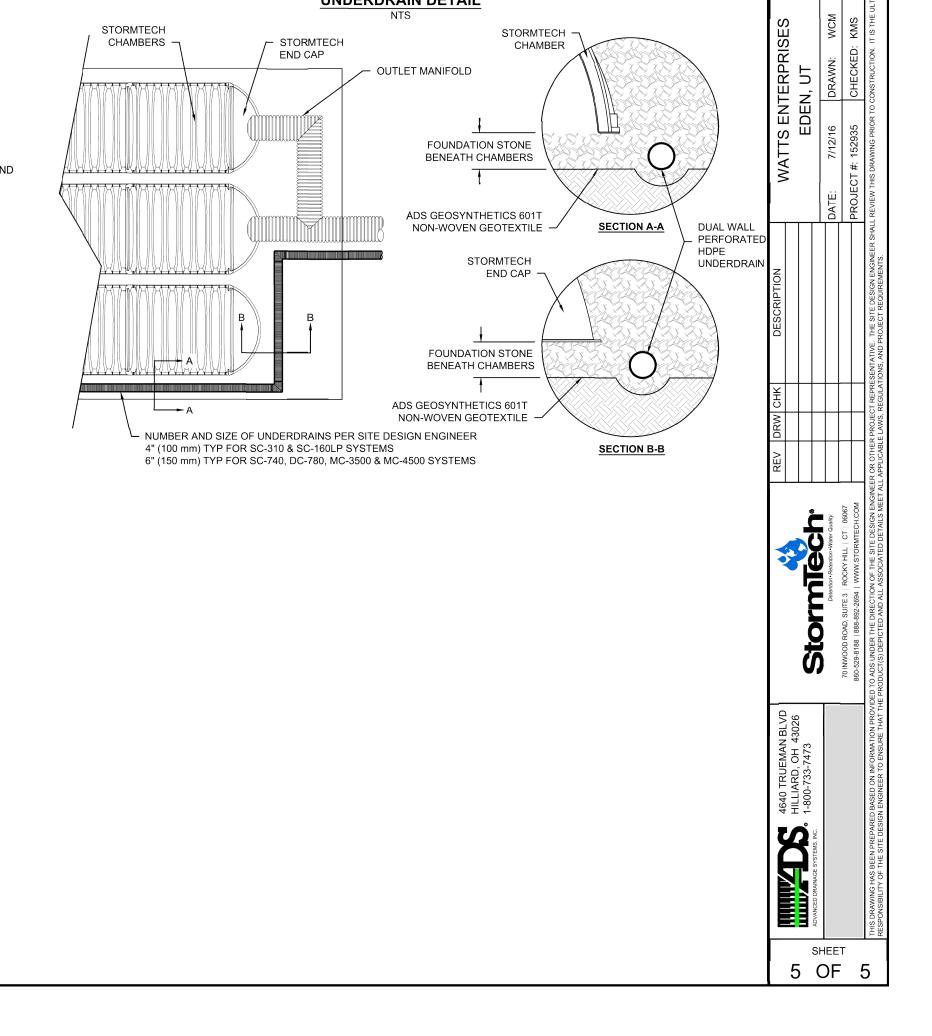
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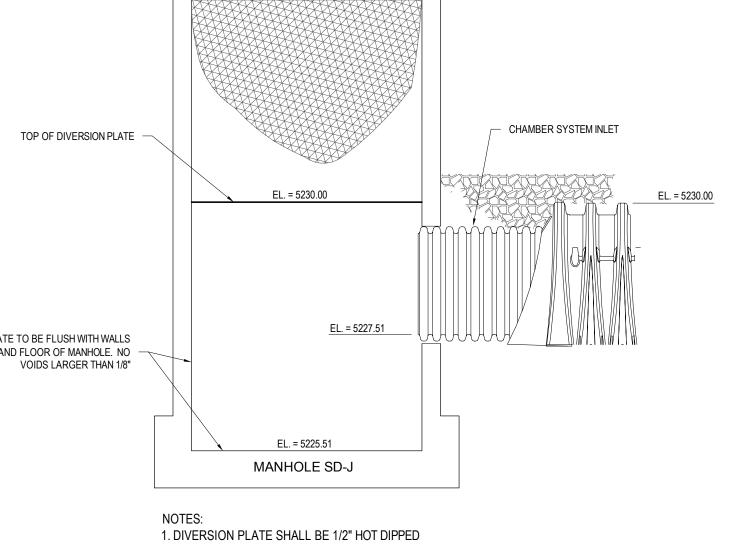
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8/18/2016





Curb and gutter 1. GENERAL A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion. B. Additional requirements are specified in APWA Section 32 16 13. 2. PRODUCTS A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission. B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73. C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F. D. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00. 3. EXECUTION A. Base Course Placement: APWA Section 32 05 10. Thickness is 6-inches if flowline grade is 0.5 percent (s=0.005) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26. B. Concrete Placement: APWA Section 03 30 10.

1) Install expansion joints vertical, full depth, with top of filler set flush with concrete

2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is

greater than 8-inches thick. Match joint location in adjacent Portland-cement

joints are not required in concrete placement using slip-form construction.

3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.

construction that does not drain. If necessary, fill flow-line with water to verify.

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C. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair

concrete roadway pavement.

surface. Install at the start or end of a street intersection curb return. Expansion

Curb and gutter connection

GENERAL

A. Connect new curb and gutter to existing curb and gutter that has not been placed by

2. PRODUCTS

- A. Reinforcement: Galvanized or epoxy coated, 60 ksi yield grade steel, ASTM A 615.
- B. Adhesive: Epoxy adhesive grout, APWA Section 03 61 00.
- C. Bond Breaker: Paraffin wax, lithium grease, or other semi-solid, inert lubricant. D. Expansion Cap: Plastic, with bar movement allowance of 1/2-inch.

3. EXECUTION

- A. Ensure drill rigs (or jigs) are set at mid-depth of the gutter and horizontal to the surface. Make hole size large enough to account for dowel bar and adhesive.
- B. Clean holes and dowel bars of dirt, dust and particles. Ensure coating on bars have
- no surface defects.
- C. Place bonding agent in the back of each hole so adhesive flows out around each bar fully encasing it. DO NOT apply adhesive to end of the bar and then insert the bar
- D. Insert dowels with at least one full turning motion and if necessary, place a grout retention disk on the dowel after insertion to contain adhesive.
- E. Apply complete coverage of bond-breaker on the protruding end of each dowel. F. Install expansion caps on protruding dowel bar ends.

Waterway

1. GENERAL

- A. Variance from specified dimensions and slopes must be acceptable to the
- ENGINEER. System configuration may be changed at ENGINEER's discretion.
- B. Unless indicated otherwise, width of waterway as follows.
- 1) 4 feet for a residential street.
- 2) 6 feet for a non-residential street.
- 3) If wider than 6 feet, offset the flow line in the waterway to match (line up with) the curb and gutter flow line. Adjust cross slopes to match existing slopes.
- C. Additional requirements are specified in APWA Section 32 16 13.

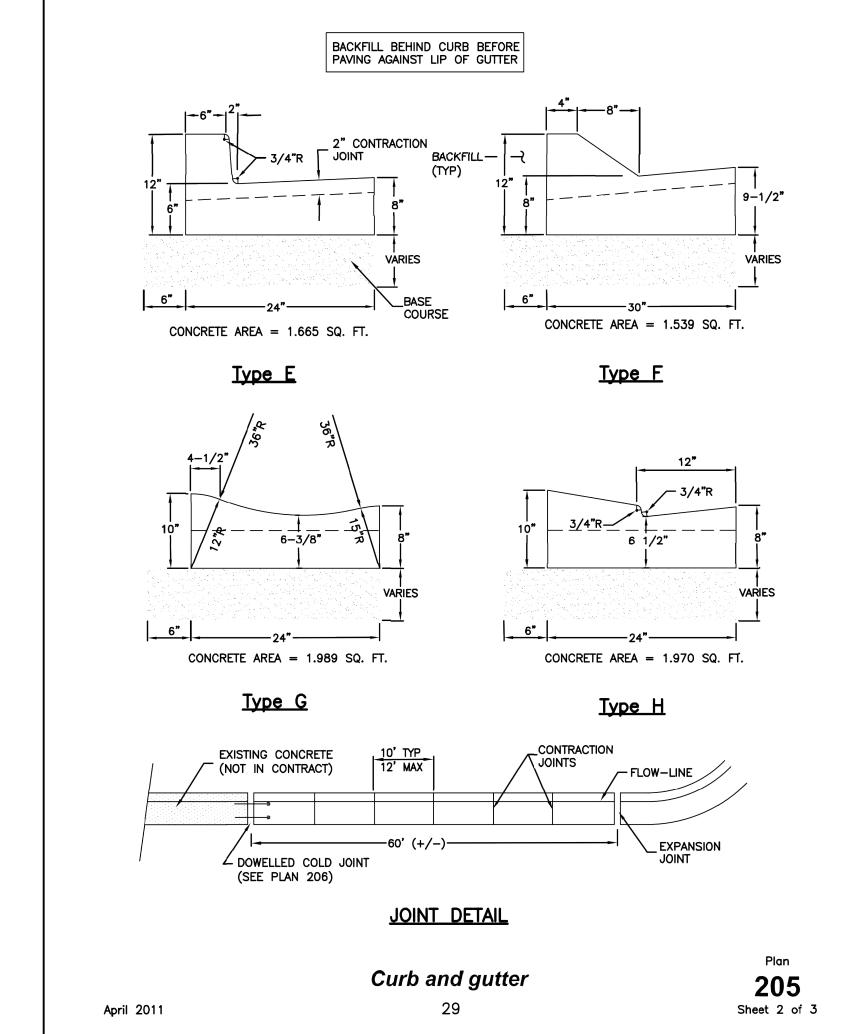
2. PRODUCTS

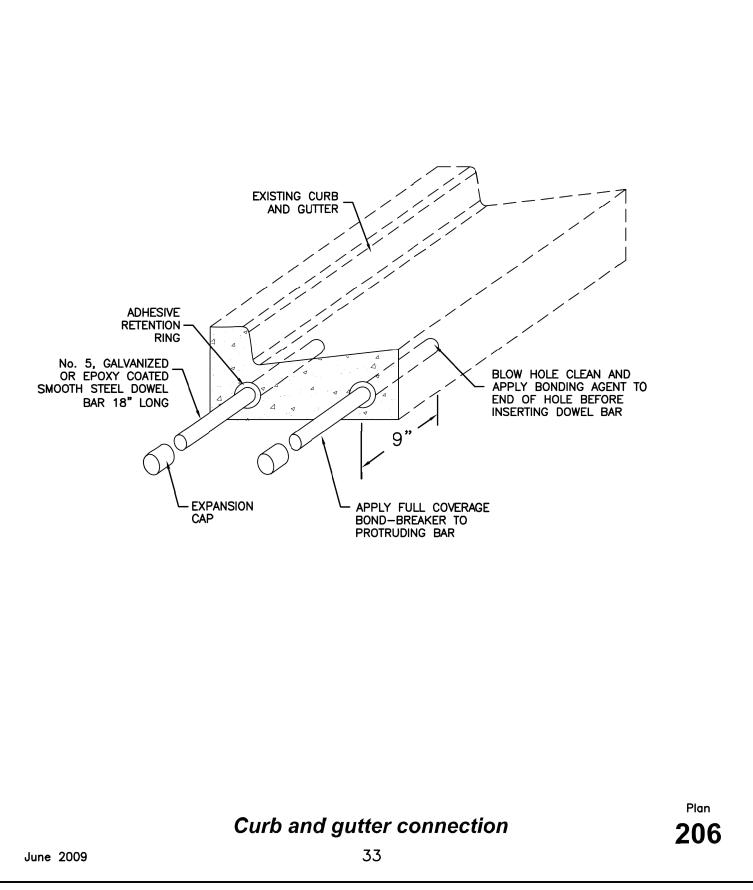
- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.
- C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete
- crazing (spider cracks) may develop if air temperature exceeds 90 degrees F. D. Reinforcement: Galvanized or epoxy coated, deformed, 60 ksi yield grade steel,
- E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

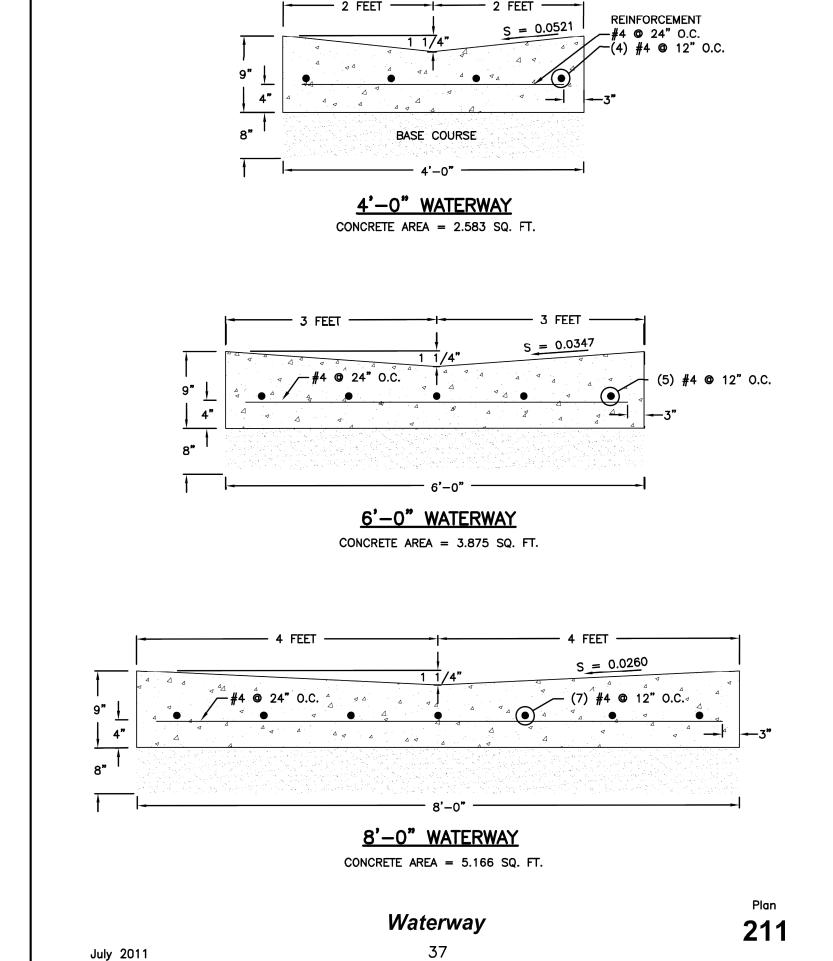
3. EXECUTION

- A. Base Course Placement: APWA Section 32 05 10. Thickness is 6-inches if flowline grade is 0.5 percent (s=0.005) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- B. Concrete Placement: APWA Section 03 30 10.
- 1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Expansion joints are not required in concrete placement using slip-form construction.
- 2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.
- 3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent. C. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

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ENTERPRISES AYS AT WOLF CF 4 & 5

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APWA DETAILS

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Waterway transition structure

GENERAL

- A. Variance from specified dimensions and slopes must be acceptable to the
- ENGINEER. System configuration may be changed at ENGINEER's discretion. B. Additional requirements are specified in APWA Section 32 16 13.

2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel
- as a base course without ENGINEER's permission.
- B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73. C. Concrete. Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete
- crazing (spider cracks) may develop if air temperature exceeds 90 degrees F. D. Reinforcement. Galvanized or epoxy coated, deformed, 60 ksi yield grade steel,
- ASTM A 615. E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

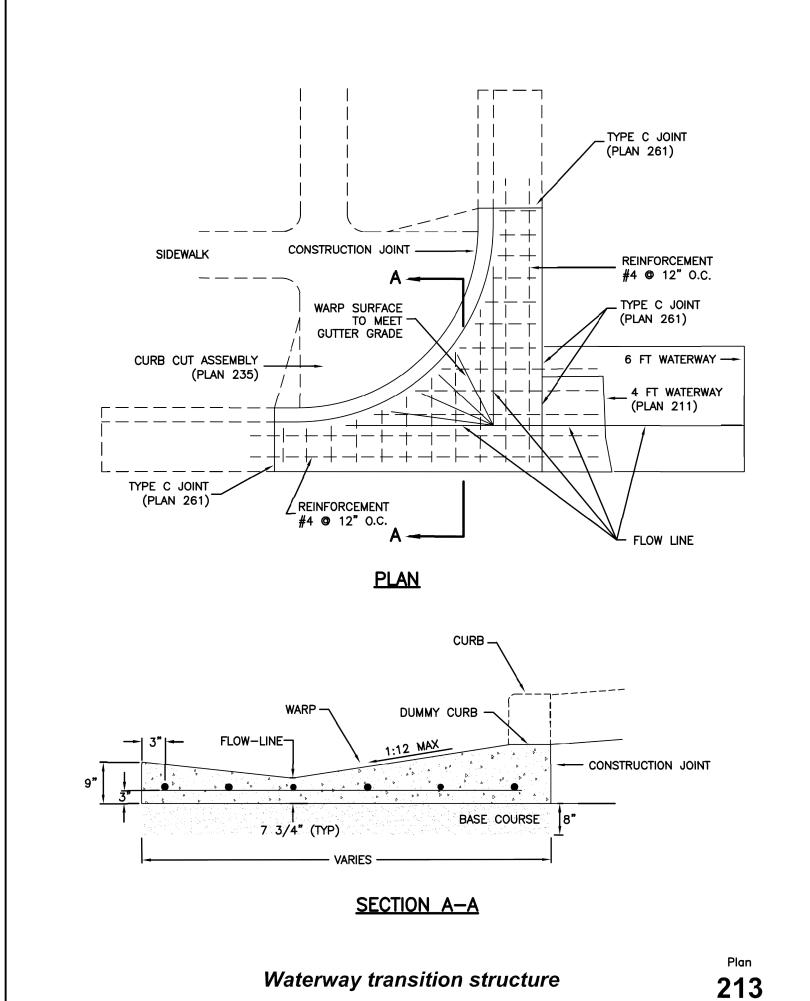
3. EXECUTION

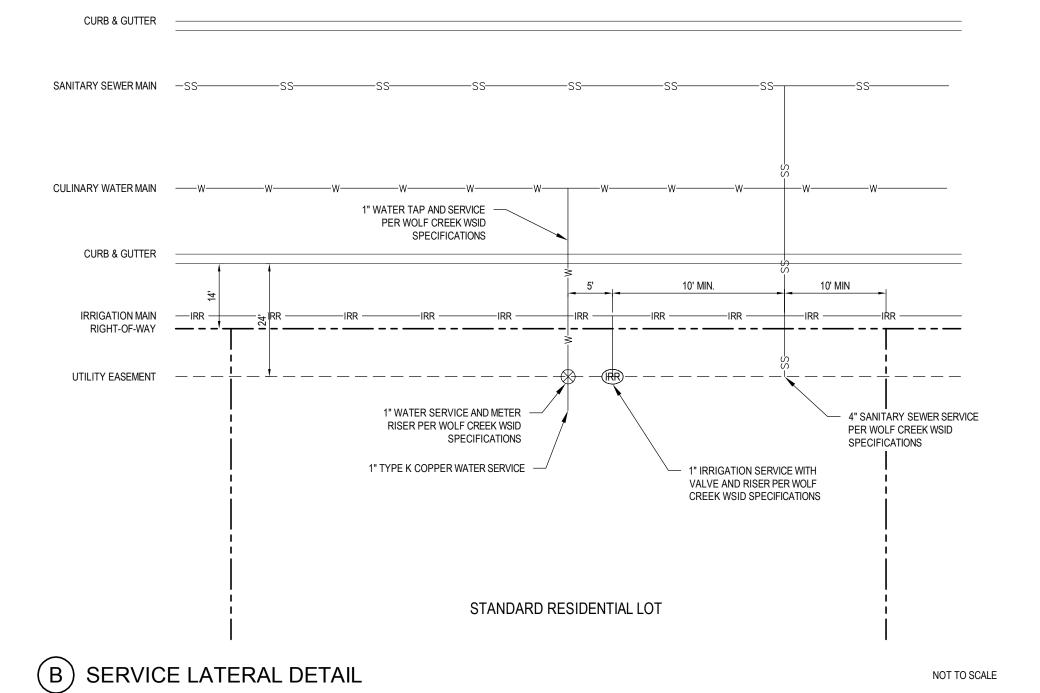
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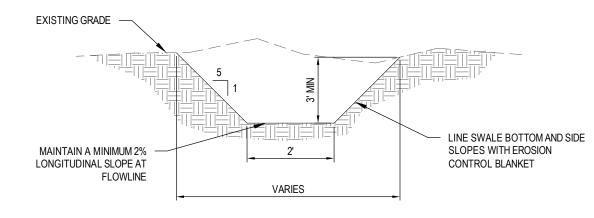
- A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- B. Concrete Placement: APWA Section 03 30 10.
- 1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install at the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.
- 2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.
- 3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.

C. Protection and repair. Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

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(C) TRAPEZOIDAL DRAINAGE CHANNEL

NOT TO SCALE

6" Pressure reducing valve with 2" bypass

GENERAL

- A. Configuration may be changed at ENGINEER's discretion.
- B. Additional requirements are specified in APWA Section 33 12 16.

2. PRODUCTS

- A. Small Fillings: Brass. Do not use galvanized materials.
- B. Blocking: Clay brick or concrete block. C. Taps: Provide two 3/4" I.P. taps with plugs for pressure gages.
- D. Drain Gravel: Sewer rock, ASTM size no. 3 (2" to 1") or equal, APWA Section 31 05

3. EXECUTION

- A. Center frame and cover over water meter.
- B. Apply tape wrap to the exterior of all galvanized pipe per AWWA C209.
- C. Allow 1-inch clearance around waterline where water line passes through concrete

box wall. Seal opening with compressible seal.

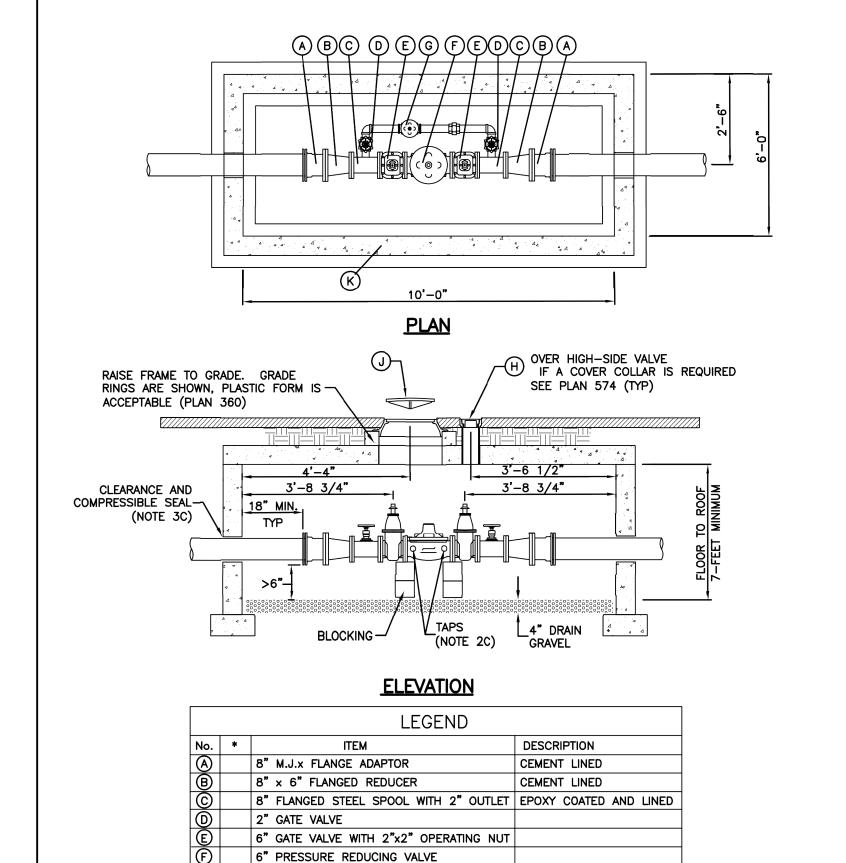
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2" PRESSURE REDUCING VALVE

TOP SECTION OF VALVE BOX WITH LID

6" Pressure reducing valve with 2" bypass

275

PLAN 502

573

27" FRAME AND COVER

CONCRETE BOX

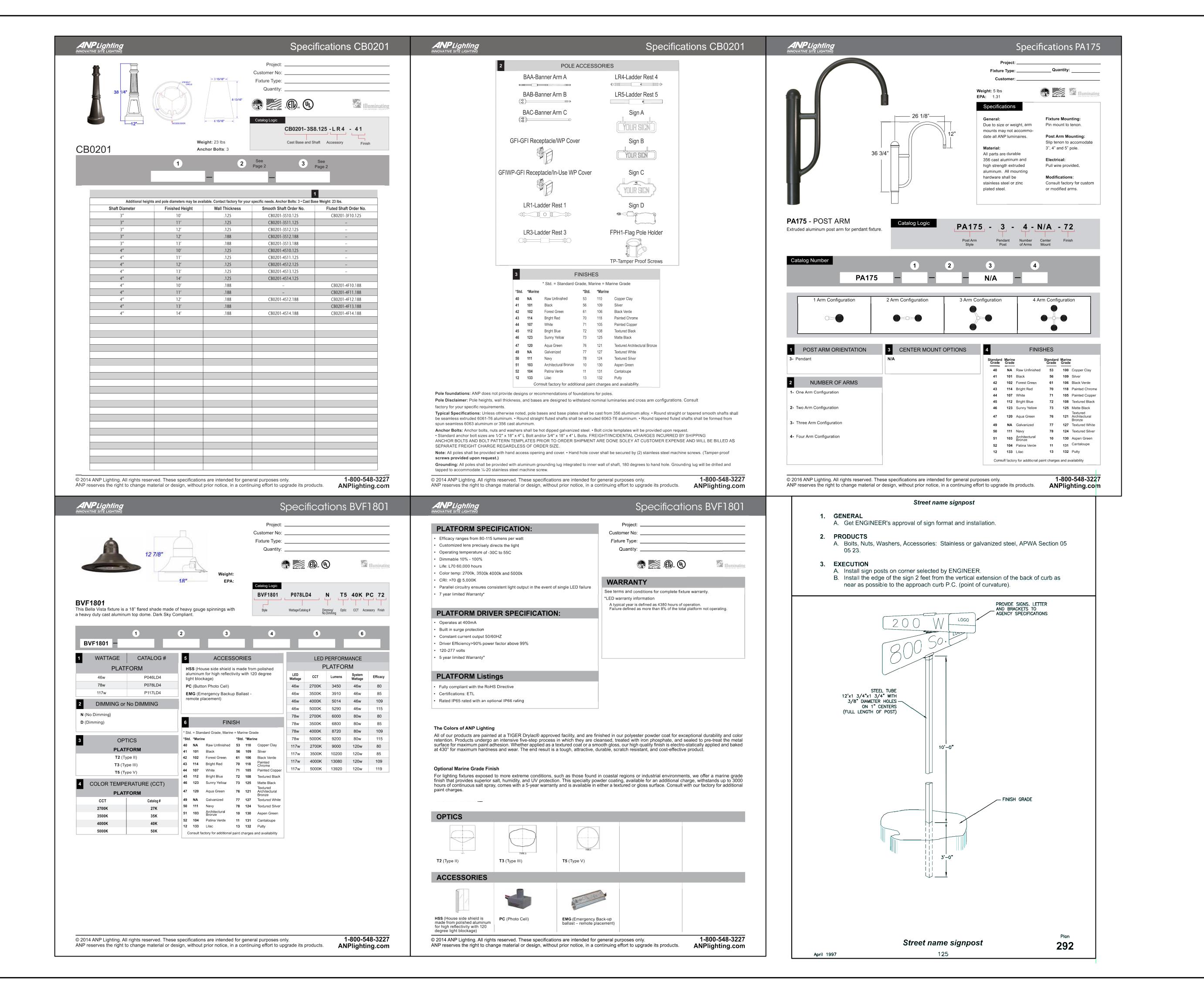
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* FURNISHED BY AGENCY

8/18/2016

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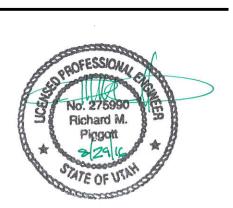
SITE DETAILS



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WATTS ENTERPRISES FAIRWAYS AT WOLF CR PHASE 4 & 5

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Project No:	WAT01.01
Drawn By:	JST
Checked By:	RMP
Date:	8/18/2016

STREET LIGHT DETAILS

DT12
Sheet 28 of 29

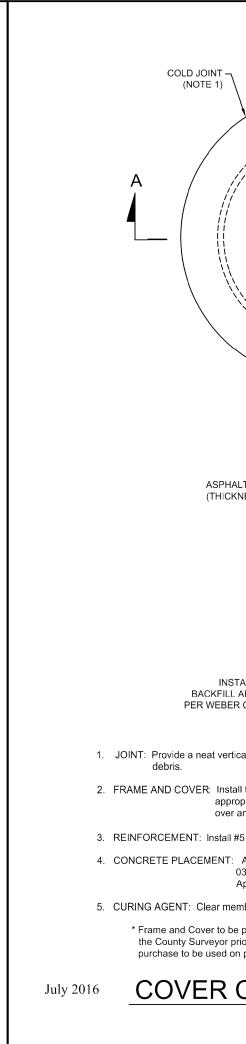
- 1. EXCAVATION: Call Blue Stakes before excavating and installing monument. Install monument only after cleared by all Blue Stakes. Over excavate the top 12" of the monument hole to a diameter of 18" min (or 4" wider than the diameter of the monument) for the installation of free draining material to drain water out of the monument box.
- BACKFILL: Tamp and compact bottom of excavated hole to ensure solid base before placement of monument. Tamp and compact ¼" min to
 ¾" max uniform free draining material into the void of the excavation on all sides of the monument with hand held equipment per
 APWA Section 32 05 10.
- 3. REINFORCEMENT: #5 (%" diameter) galvanized or epoxy coated, deformed, 60 ksi yield grade steel, ASTM A 615.
- 4. CONCRETE: Finish concrete with a dome or slope to prevent water collection and puddling around the cap. Class 4000 per APWA Section 03
- 5. CAP: Attach cap (Berntsen C35DB or equivalent*) to steel rebar with wire, clamp, or other approved device. Monument cap shall be centered in the monument base. Install cap in monument base before concrete sets. The center of the cap shall not exceed 0.04' (Approx. ½"), in any direction, of the actual position of the monument.

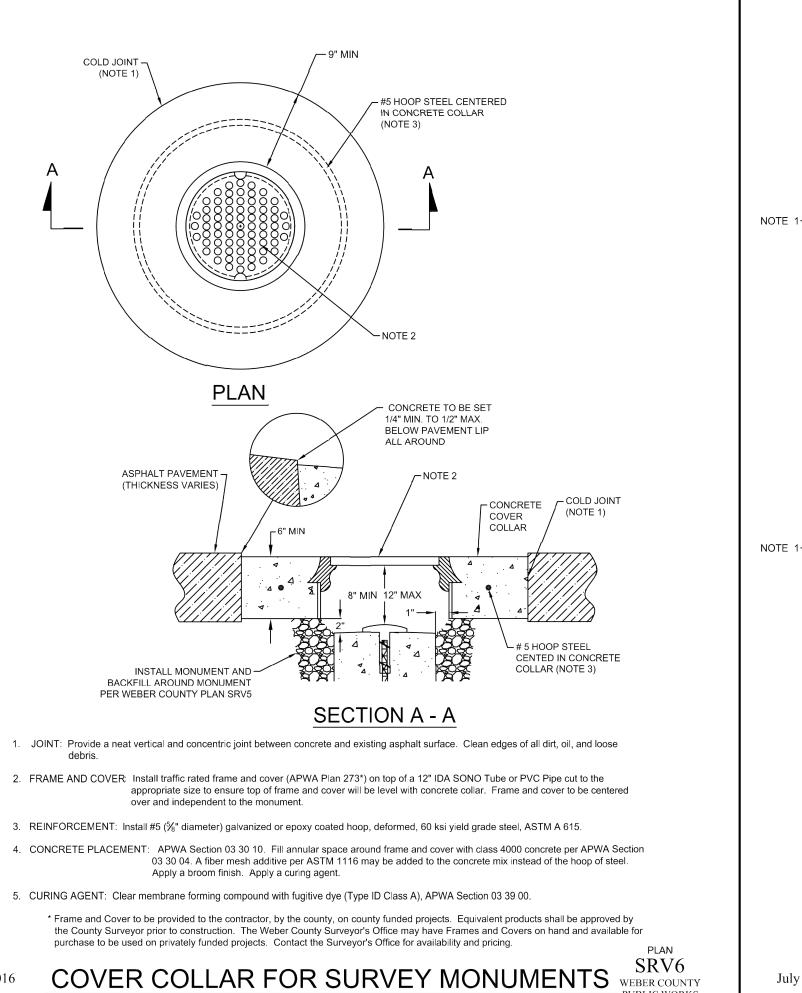
* Cap to be provided to the contractor, by the county, on county funded projects. Equivalent products shall be approved by the County Surveyor prior to construction. The Weber County Surveyor's Office may have caps on hand and available for purchase to be used on privately funded projects. Contact the Surveyor's Office for availability and pricing.

July 2016

SUB-SURFACE MONUMENT

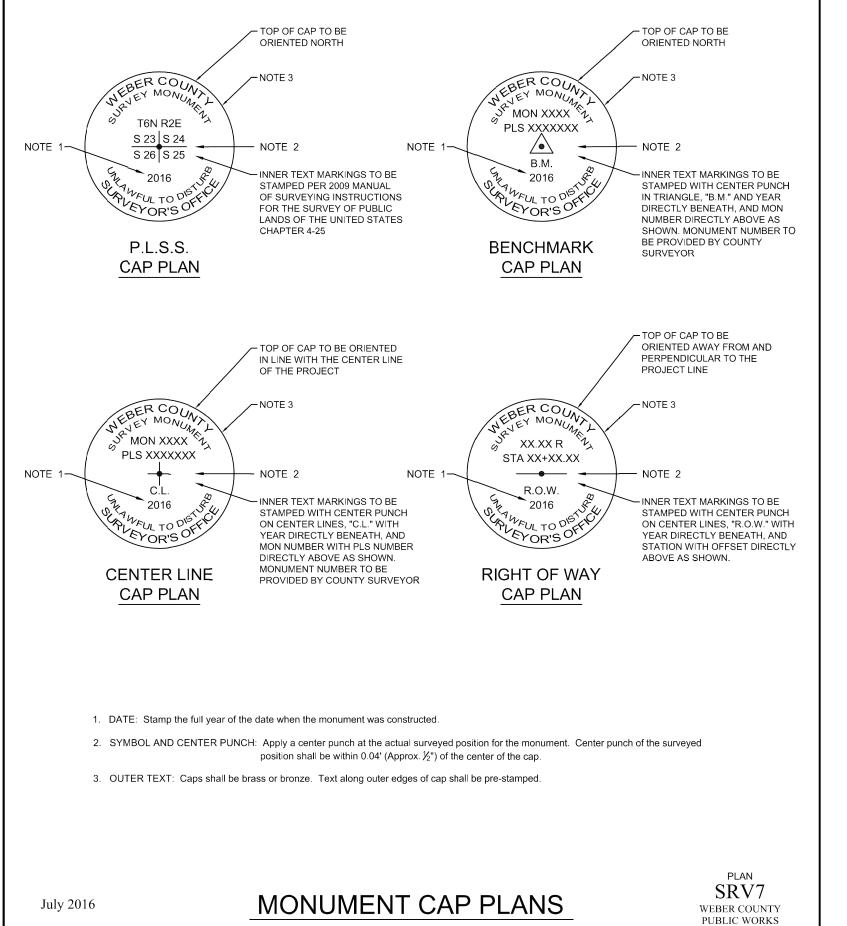






5. CURING AGENT: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.





STANDARDS







JST RMP 8/18/2016

MONUMENT DETAILS

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