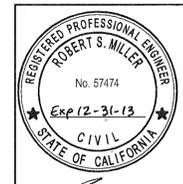


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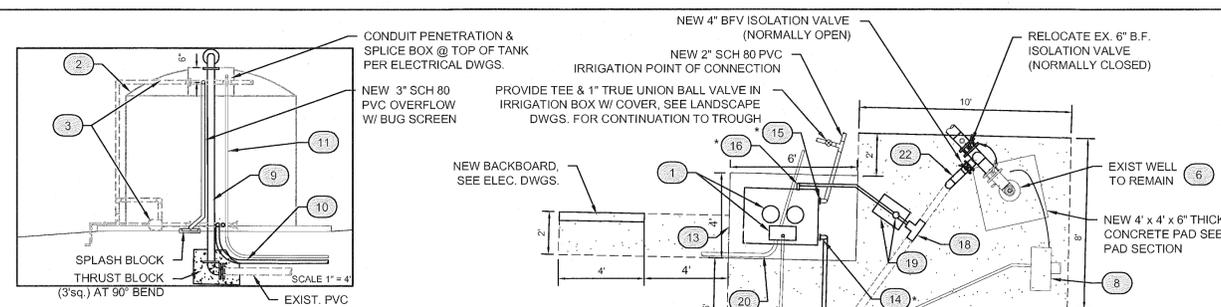
CIVIL ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
WALLACE SWANSON INTERNATIONAL
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
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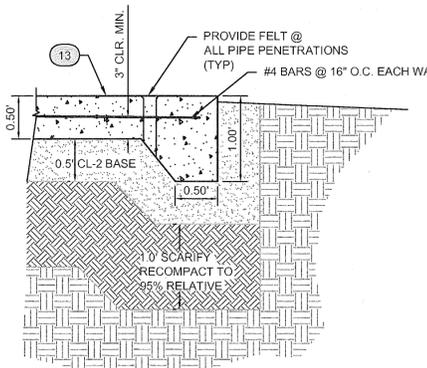
SIGNATURE
8-24-2012
DATE SIGNED

These plans and specifications, and the ideas and designs incorporated herein, are the work of the service provided for the construction of work shown herein and shall not be used in whole or in part for any other project without written authority of Wallace Group, a California Corporation.

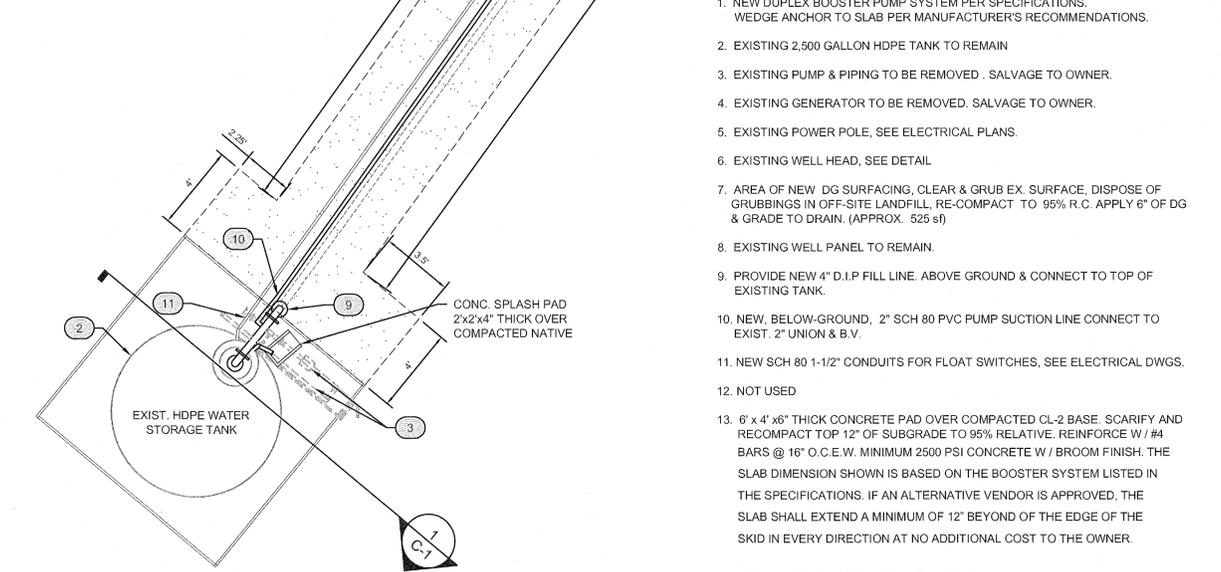
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EXISTING TANK SECTION 1
Scale: 1" = 4"



CONCRETE PAD SECTION
Scale: 1" = 1"



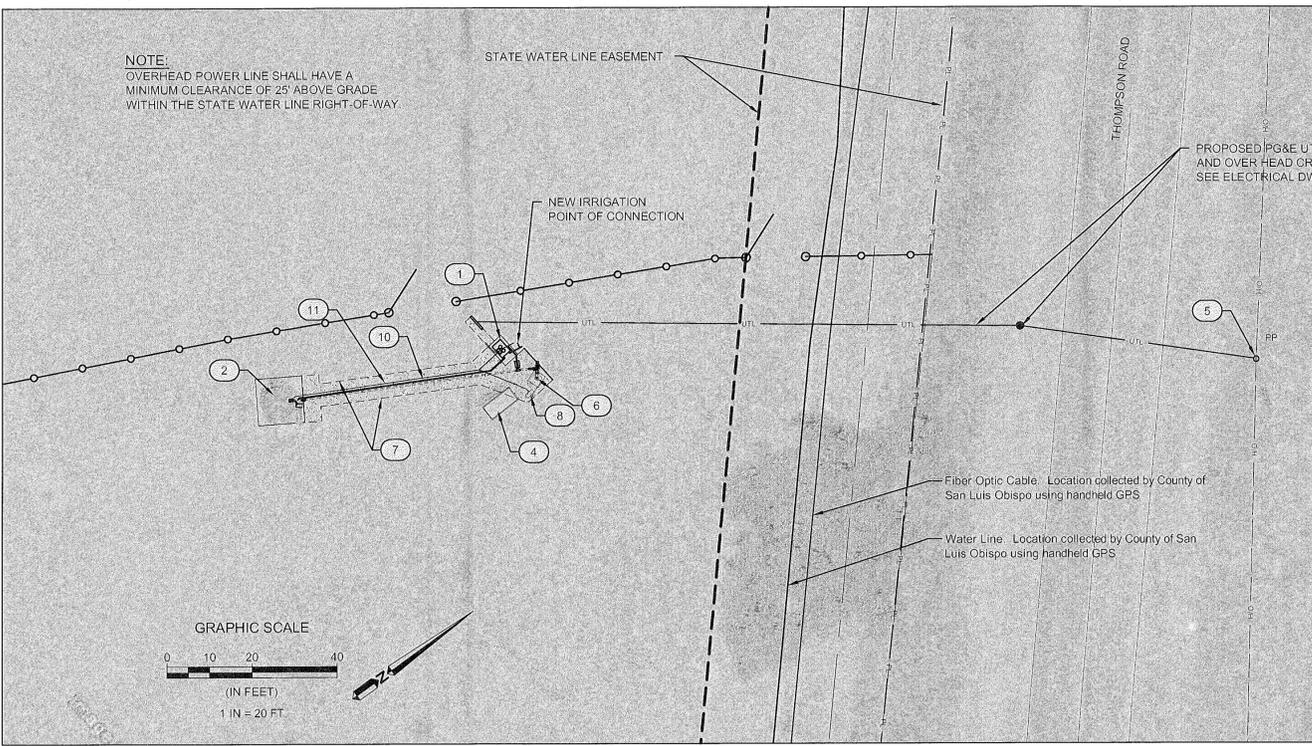
SITE PLAN
Scale: 1" = 4"

DEPARTMENT OF WATER RESOURCES NOTES:

- A SEVEN (7) DAY ADVANCE NOTIFICATION IS REQUIRED PRIOR TO STARTING WORK WITHIN DEPARTMENT OF WATER RESOURCES RIGHT OF WAY. CONTACT THE DEPARTMENT OF WATER RESOURCES, DIVISION ON ENGINEERING, ENCROACHMENT PERMIT SECTION, SACRAMENTO, CALIFORNIA AT (800) 600-4397 AND DWR SAN JOAQUIN FIELD DIVISION AT (861) 858-5513 AND CENTRAL COAST AUTHORITY AT (805) 697-5235 SIMULTANEOUSLY.
- EXCEPT AS OTHERWISE PROVIDED HEREIN, MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT IN PLACE ALL SWP FACILITIES AND APPURTENANCES, INCLUDING BUT NOT LIMITED TO COMMUNICATION AND CONTROL CABLES AND CATHODIC PROTECTION TEST STATIONS. THE PERMITTEE AND CONTRACTOR WILL BE LIABLE FOR ALL DAMAGES TO SWP FACILITIES AND APPURTENANCES AS A RESULT OF THE CONSTRUCTION AND FOR ANY OTHER DAMAGES OR LOSSES SUFFERED BY DWR OR ITS WATER CONTRACTORS, INCLUDING POWER, IRRIGATION, MUNICIPAL AND INDUSTRIAL WATER SUPPLY, AND COMMUNICATION LOSSES.
- SAN LUIS OBISPO CO. PUBLIC WORKS SHALL PROVIDE DWR WITH A KEY TO THE LOCK ON THE GATES WITHIN THEIR RIGHT OF WAY.

LEGEND:

- NEW DUPLEX BOOSTER PUMP SYSTEM PER SPECIFICATIONS. WEDGE ANCHOR TO SLAB PER MANUFACTURER'S RECOMMENDATIONS.
- EXISTING 2,500 GALLON HDPE TANK TO REMAIN
- EXISTING PUMP & PIPING TO BE REMOVED. SALVAGE TO OWNER.
- EXISTING GENERATOR TO BE REMOVED. SALVAGE TO OWNER.
- EXISTING POWER POLE, SEE ELECTRICAL PLANS.
- EXISTING WELL HEAD, SEE DETAIL.
- AREA OF NEW DG SURFACING, CLEAR & GRUB EX. SURFACE, DISPOSE OF GRUBBINGS IN OFF-SITE LANDFILL, RE-COMPACT TO 95% R.C. APPLY 6" OF DG & GRADE TO DRAIN. (APPROX. 525 sf)
- EXISTING WELL PANEL TO REMAIN.
- PROVIDE NEW 4" D.I.P. FILL LINE. ABOVE GROUND & CONNECT TO TOP OF EXISTING TANK.
- NEW, BELOW-GROUND, 2" SCH 80 PVC PUMP SUCTION LINE CONNECT TO EXIST. 2" UNION & B.V.
- NEW SCH 80 1-1/2" CONDUITS FOR FLOAT SWITCHES, SEE ELECTRICAL DWGS.
- NOT USED
- 6' x 4' x 6" THICK CONCRETE PAD OVER COMPACTED CL-2 BASE. SCARIFY AND RECOMPACT TOP 12" OF SUBGRADE TO 95% RELATIVE. REINFORCE W/ #4 BARS @ 16" O.C.E.W. MINIMUM 2500 PSI CONCRETE W/ BROOM FINISH. THE SLAB DIMENSION SHOWN IS BASED ON THE BOOSTER SYSTEM LISTED IN THE SPECIFICATIONS. IF AN ALTERNATIVE VENDOR IS APPROVED, THE SLAB SHALL EXTEND A MINIMUM OF 12" BEYOND OF THE EDGE OF THE SKID IN EVERY DIRECTION AT NO ADDITIONAL COST TO THE OWNER.
- BOOSTER SYSTEM SUCTION CONNECTION.
- BOOSTER SYSTEM DISCHARGE CONNECTION.
- BOOSTER SYSTEM RELIEF VALVE CONNECTION. INSTALL 1 1/2" SCH 80 PVC TO TANK FILL LINE.
- 1-1/2" CONDUIT FOR LOW LEVEL CUTOFF FLOAT.
- 4" SCH 80 PVC TEE WITH 4" x 1.5 REDUCER OR BUSHING.
- 1 1/2" SCH 80 PVC TRUE UNION BALL VALVE IN IRRIGATION ACCESS BOX & COVER.
- POWER: CONDUIT PER ELECTRICAL PLAN.
- ALL BURIED SOLVENT WELD FITTINGS AS SHOWN ON THIS SHEET ONLY SHALL HAVE A THRUST BLOCK WITH THE FOLLOWING SIZE:
3" & SMALLER - 2 sf - ALL FITTINGS
4" - 3 sf - ALL FITTINGS
6" - 5 sf - 90° BEND, 4 sf - TEE, ALL OTHER FITTINGS.
- 4" SCH 80 PVC ABOVE GROUND, CONNECT TO EXIST. 4" PVC FILL LINE BELOW GROUND.



WELL AND PUMP SITE PLAN
Scale: 1" = 20"



Revisions		Approved	Date	Description	Approved	Date
1	TOP OF CUT OF DUCTOR VISE & TAPR NOTES 3 & 4	REM	NOV 07			
2	TRENCH SQUARE FROM NOTES 3	CDM	NOV 08			

NOTES:

- TRENCH WIDTH SHALL BE PIPE DIAMETER PLUS 12" (6" EACH SIDE OF PIPE) FOR PIPES 30" DIAMETER OR LESS, AND PIPE DIAMETER PLUS 18" (9" EACH SIDE) FOR PIPE DIAMETERS GREATER THAN 30"
- BEDDING MEASUREMENT IS 6" BELOW GREATEST OUTSIDE DIMENSION AT PIPE JOINTS. PIPE SHALL BE BACKFILLED TO THE SPRING LINE AND COMPACTED TO 90% PRIOR TO COMPLETING INITIAL BACKFILL.
- FOR WATER, 4 GAUGE INSULATED COPPER TRACER WIRE SHALL BE Laid ATOP ALL PIPES AND SERVICE LATERALS.
- FOR WATER AND SEWER, 3" WIDE POLYETHYLENE NON-DETECTABLE TAPE MARKED AND COLOR CODED PER THE DESIGN STANDARDS SHALL BE BURIED IN THE TRENCH 12-INCHES ABOVE ALL PIPES AND LATERALS.
- REFER TO STANDARD DRAWINGS U-3 TO U-36 FOR ADDITIONAL REQUIREMENTS FOR WATER AND SEWER TRENCHES.

SPECIAL NOTES:

- SPECIAL CONSIDERATION SHALL BE TAKEN BY THE DESIGNER TO ENSURE SURFACE DRAINAGE WILL NOT ENTER THE TRENCH.
- WHEN TRENCHING ON STEEP SLOPES, CUT-OFF WALLS AND/OR PIPE ANCHORS MAY BE REQUIRED BY THE DEPARTMENT AND SHALL BE DETAILED ON THE PLANS.
- TRENCHING ALIGNMENT SHALL BE DESIGNED TO AVOID DAMAGE TO EXISTING TREES AND THEIR ROOT SYSTEMS. WHEN ADJACENT TO TREES THEN THE TRENCHING RECOMMENDATIONS OF THE PROJECT BOTANIST SHALL BE FOLLOWED.
- THE UPPER SURFACE SHALL BE SCARIFIED AND REVEGETATED. VEGETATIVE COVER SHALL BE ESTABLISHED PRIOR TO ACCEPTANCE OF WORK.

BEDDING MATERIAL		STRUCTURAL MATERIAL	
SIZE	PERCENT PASSING	SIZE	PERCENT PASSING
No. 4	100%	3"	100%
No. 20	0% - 15%	No. 4	90% - 100%
		No. 30	20% - 100%

SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS
TRENCH DETAIL
NON-PAVED AREAS

Scale: 1" = 1'-0"
NTS: Aug. 2008
Drawing No: U-4a
Sheet No: 1 of 1

Oak Woodland Habitat Creation for the Willow Road Extension and Hwy 101 Interchange Project
South Thompson Road, Dana Adobe Property

JOB #: 750-04
DESIGNERS: RM-CD
DRAWN BY: CD-AS
DATE: 8-10-2012
DRAWING NO. C-2
2 OF 9