WESTWOOD LIFT STATION IMPROVEMENTS

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- ELECTRICAL SECTION DETAILS

ELEVATION DATUM:

THE ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 USING GEOID 09 AND GPS STATIC OBSERVATIONS PROCESSED THROUGH THE ONLINE POSITIONING USER SERVICE (OPUS).

BASIS OF BEARING:

THE BEARINGS SHOWN ON THIS PLAN ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), IDAHO STATE PLANE COORDINATE SYSTEM, WEST ZONE. GPS AND STATIC OBSERVATIONS PROCESSED THROUGH THE ONLINE POSITIONING USER SERVICE (OPUS) WERE USED TO DETERMINE STATE PLANE COORDINATE VALUES. STATE PLANE GRID DISTANCES WERE CONVERTED TO GROUND DISTANCES USING A COMBINED ADJUSTMENT FACTOR OF 1.000120371 AND APPLIED AT THE 0.0 ORIGIN.



MONUMENT FIELD SEARCH CERTIFICATION:

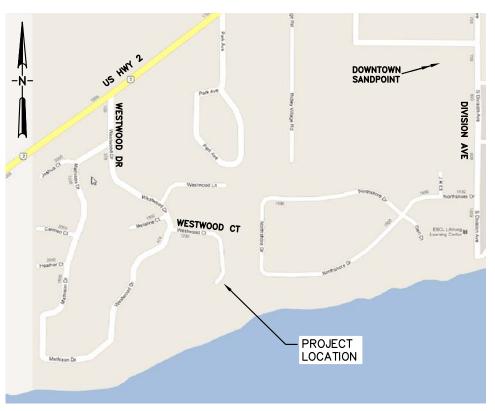
DUSTY B. OBERMAYER, IDAHO PLS NUMBER 11119, CERTIFY THAT ALL PROPERTY CORNER MONUMENTS AND ACCESSORIES, IF APPLICABLE, WERE FOUND, OR SEARCHED FOR AND NOT FOUND AT THE TIME OF THE FIELD SURVEY AND AS SHOWN ON THESE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH IDAHO CODE SECTION 55-1613.

LOCATED WITHIN:

WESTWOOD CONDOMINUMS S28, T57N, R2W, B.M., BONNER COUNTY, ID CITY OF SANDPOINT

OWNER:

CITY OF SANDPOINT 1123 LAKE STREET SANDPOINT, ID 83864 (208) 263-3407



VICINITY MAP

LEGEND OF EXISTING FEATURES:

GARAGE STRUCTURE — — — 2083— — — —	SMALL TEXT FOR EXISTING FEATURES GROUND CONTOURS
- EP	EDGE OF PAVEMENT
—— GSS ———	GRAVITY SANITARY SEWER
SS	PRESSURE SANITARY SEWER
——— SD ————	STORM DRAIN
W	WATER LINE
POW	UNDERGROUND POWER
X	FENCE
₩M	WATER METER
⋈ [™]	WATER VALVE
Q ^{FH}	FIRE HYDRANT
CB	CATCH BASIN
⊙°	TREE W/ DIAMETER
•	BOLLARD



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

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RUEN-YEAGER & ASSOCIATES, INC. CONSULTING ENGINEERS - LAND SURVEYORS - PLANNERS

3201 N. HUETTER RD., STE. #102, COEUR D'ALENE, IDAHO 83814 (208)292-0820 219 PINE ST. SANDPOINT, IDAHO 83864 (208)265-4629



OOD LIFT STATION IMPROVEMENTS	FILE NAME:
CITY OF SAMPROINT IDALIC	AB-COV
CITT OF SANDFOINT, IDAHO	PLOT DATE:
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COVER SHEET

	Co. Ct
ROJECT:	1477
S123005	
E NAME:	I \ \0\6/2
AB-COVER.DWG	1 1
OT DATE:	
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CONSTRUCTION NOTES:

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) CURRENT EDITION. IN CASE OF A CONFLICT WITH THESE CONSTRUCTION DRAWINGS. THE DRAWINGS SHALL GOVERN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THE ISPWC.
- THE CITY OF SANDPOINT PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED AT (208) 263-3407 48 HOURS PRIOR TO COMMENCING WORK.
- EXISTING UTILITIES SHALL BE LOCATED BY CONTACTING CALL BEFORE YOU DIG (811), AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES PRIOR TO STARTING WORK NEAR ANY FACILITIES, AND SHALL COORDINATE THEIR WORK WITH COMPANY REPRESENTATIVES.
- AN APPROVED SET OF CONSTRUCTION PLANS AND SPECIFICATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES. NO REVISIONS SHALL BE MADE TO THE PLANS WITHOUT THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL KEEP RECORD OF PLAN DEVIATIONS AND DELIVER A COPY TO THE ENGINEER AT THE END OF CONSTRUCTION SO THAT THE ENGINEER MAY PREPARE AS-BUILT DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN PUBLIC AND PRIVATE PROPERTY IN A CLEAN, SAFE, AND USABLE CONDITION.
- EXISTING PROPERTY CORNERS AND OTHER SURVEY MONUMENTS SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION. IF MONUMENTS MUST BE DISTURBED, NOTIFY ENGINEER/SURVEYOR PRIOR TO DISTURBANCE TO COORDINATE REESTABLISHMENT AFTER CONSTRUCTION IN ACCORDANCE WITH IDAHO CODE 55-1613.
- ALL MANHOLES (INCLUDING LIFT STATION VAULTS) SHALL BE VACUUM TESTED IN ACCORDANCE W/ SECTION 502 OF THE ISPWC.
- SUBMITTALS SHALL BE PROVIDED TO THE ENGINEER FOR APPROVAL FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT.
- GRAVITY SEWER MAINS SHALL BE PVC, ASTM D3034, SDR 35. GRAVITY MAINS SHALL BE AIR TESTED IN ACCORDANCE W/ ISPWC SECTION 501, WASHED, AND VIDEO TAPED BY THE CONTRACTOR. A COPY OF THE VIDEO TAPE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PAVING AND ACCEPTANCE.
- 10. PRESSURE SEWER MAINS SHALL BE PVC, ASTM D2241, CLASS 160. PRESSURE MAINS SHALL BE INSTALLED WITH 12 GAUGE TRACING WIRE AND PLASTIC MARKING TAPE. PRESSURE MAINS SHALL BE HYDROSTATICALLY TESTED PER ISPWC SECTION 401.
- 11. THRUST BLOCKS SHALL BE PROVIDED FOR ALL PRESSURE SEWER BENDS. ALL THRUST BLOCKING SHALL BE FORMED IN PLACE AGAINST UNDISTURBED OR COMPACTED SOIL, AND CONFORM TO THE MINIMUM DIMENSIONS SHOWN ON ISPWC SD-403. ALL BOLTS AND NUTS SHALL BE FREE OF CONCRETE AND ACCESSIBLE BY WRENCH.
- 12. ALL TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ISPWC, CLASS A-1 BEDDING SYSTEM (3/4" CRUSHED AGGREGATE).
- 13. TRENCH BACKFILL AND BACKFILL AROUND MANHOLES & LIFT STATION VAULTS SHALL BE NATIVE BACKFILL MEETING THE REQUIREMENTS OF ISPWC SECTION 306, TYPE A-1 COMPACTION UNDER PAVEMENT AND IN LIFT STATION YARD AREA, TYPE C COMPACTION ELSEWHERE.
- 14. CRUSHED AGGREGATE FOR ROAD BASE SHALL CONFORM TO ISPWC SECTION 802, 3/4" TYPE I. COMPACT TO 95% OF THE MAXIMUM LABORATORY DENSITY AS DETERMINED BY AASHTO T-99.
- 15. ASPHALT PAVEMENT SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF ITD SP1 OR HIGHER WITH 1/2" NOMINAL MAXIMUM SIZE AGGREGATE. ASPHALT BINDER SHALL BE PG58-28 OR HIGHER.
- 16. COMPACTION TESTING SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AT THE FOLLOWING **DURATIONS:**
- 16.1. 2 TESTS IN THE PAVEMENT PATCH AREA FOR EACH LIFT OF MATERIAL.
- 16.2. 1 TEST FOR EACH LIFT OF MATERIAL AT EACH MANHOLE & LIFT STATION VAULT.
- 16.3. 1 TEST FOR EACH LIFT OF MATERIAL FOR EACH TRENCH AT 100 FOOT SPACING.
- 17. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF ISPWC SECTION 703.
- 18. SUBMIT AN APPROPRIATE HYDROSEED MIX FOR APPROVAL. MIX SHALL BE SELECTED TO MATCH EXISTING LAWN
- 19. SALVAGED MATERIALS SHALL BE RETURNED TO THE CITY OF SANDPOINT OR DISPOSED OF AT THE CITY'S OPTION.
- 20. ALL INFRASTUCTURE WORK SHALL BE WARRANTED FOR TWO YEARS FROM THE TIME OF WRITTEN ACCEPTANCE BY THE CITY.

MANHOLES WERE HYDROSTATICALLY TESTED

PEA GRAVEL WAS USED AS FLOWABLE FILL

RECORD DRAWING

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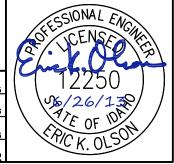
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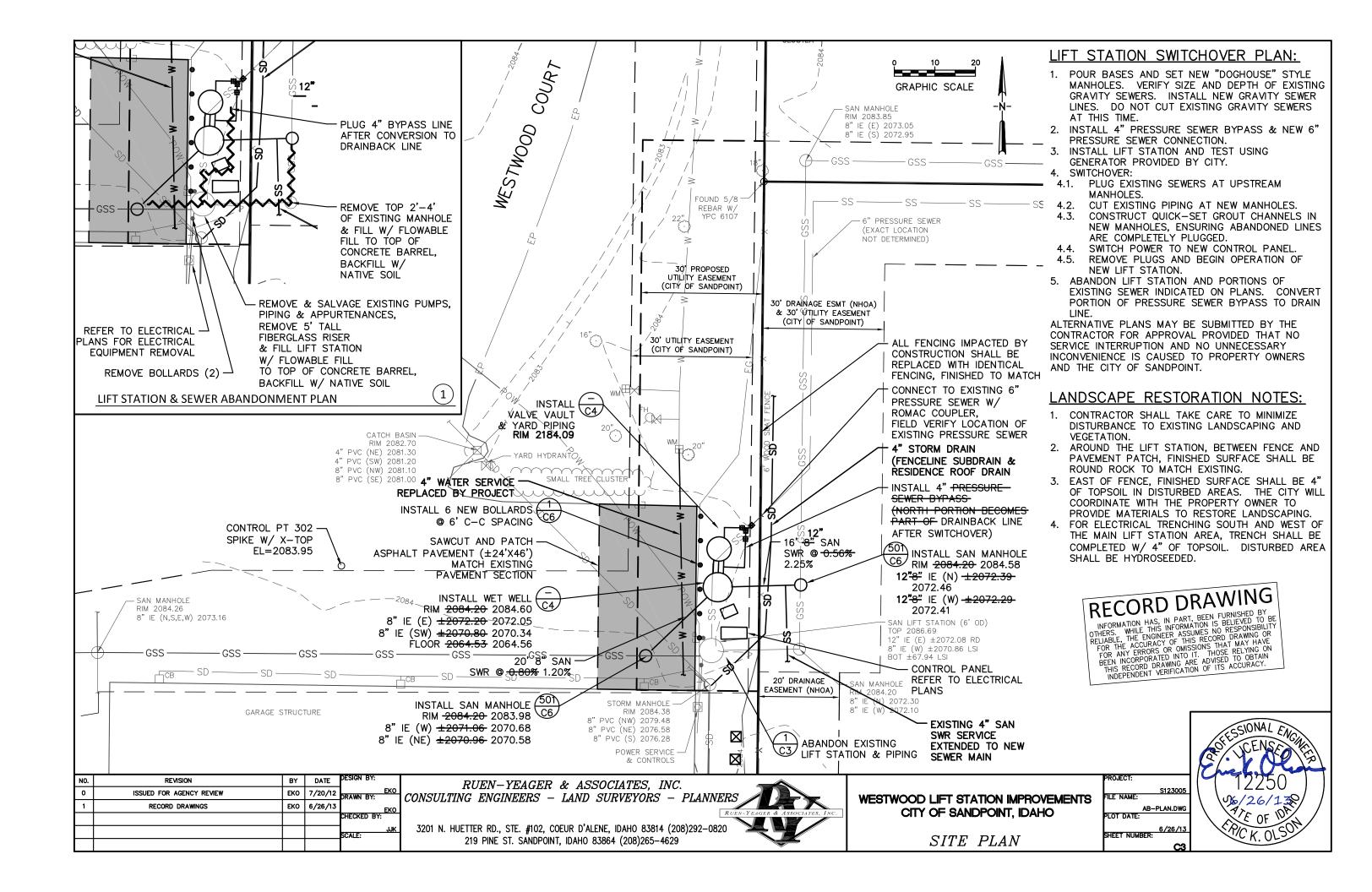


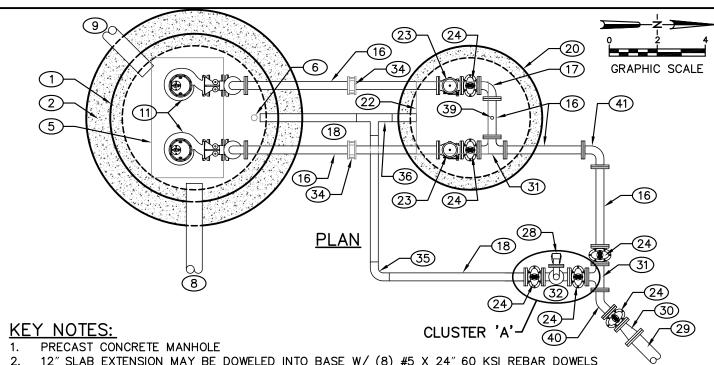
CONSTRUCTION NOTES

PROJECT	:
	S123005
FILE NAM	Æ:
	AD DETAILS DWG

PLOT DATE: SHEET NUMBER:







- 12" SLAB EXTENSION MAY BE DOWELED INTO BASE W/ (8) #5 X 24" 60 KSI REBAR DOWELS
- THE OUTSIDE OF THE MANHOLE SHALL BE COATED WITH AN APPROVED WATERPROOFING MATERIAL AND THE JOINTS WRAPPED WITH WRAPID SEAL
- CROUT 60 DECREE BEVEL TO MATCH PUMP INSTALLATION
- HALLIDAY SERIES S1S ACCESS HATCH 36"X60", OR APPROVED EQUAL
- ORENCO CARBON FILTER W/ WEATHER CAP #CF3, OR APPROVED EQUAL
- 3" GALVANIZED STEEL PIPÉ & SLEEVE, EMBEDDED INTO MANHOLE TOP
- 8. 8" SEWER INLET FROM NORTHSHORE SUBDIVISION (E), CORE DRILL & SEAL W/ LINK SEAL OR EQUIVALENT
- 8" SEWER INLET FROM WESTWOOD VILLAGE (SW), CORE DRILL & SEAL W/ LINK SEAL OR EQUIVALENT 9.
- DUCKBILL TYPE CHECK VALVE, TIDEFLEX TF-1 OR APPROVED EQUAL
- HYDROMATIC H4HX1500 15-HP SUBMERSIBLE SOLIDS-HANDLING DUPLEX PUMPS, 9.625" DIA. IMPELLER TRIM, OR APPROVED EQUAL. DESIGN POINT: 200 GPM @ 85' TDH.
- HYDROMATIC METAL-TO-METAL RAIL SYSTEM W/ 4" DISCHARGE ELBOW, OR APPROVED EQUAL
- 2" GUIDE RAILS FOR EACH PUMP 13.
- INTERMEDIATE GUIDE RAIL SUPPORTS AT EACH PUMP
- STAINLESS STEEL PUMP LIFT CHAIN FOR EACH PUMP
- 16. 4" FLANGED DUCTILE IRON PIPE, CONTRACTOR TO VERIFY LENGTH
- 17. 4"x90 DEGREE BEND, FLxFL
- 4" D2241 CL 160 PVC PIPE
- CORE DRILL & SEAL ALL PIPE PENETRATIONS W/ LINK SEAL OR EQUIVALENT
- PRECAST CONCRETE MANHOLE BASE SECTION W/ STEPS
- GROUT BASE FOR DRAINAGE 21.
- HALLIDAY SERIES S1S ACCESS HATCH 36"X36", OR APPROVED EQUAL
- 23. 4" FLxFL SWING CHECK VALVE W/ EXTERIOR LEVER & SPRING & REMOVABLE TOP PLATE, 2 EACH
- 4" FLxFL RESILIENT WEDGE GATE VALVE
- CAST IRON VALVE BOX TO GRADE, W/ "SEWER" LID
- 3" FLANGED DUCTILE IRON PIPE, CONTRACTOR TO VERIFY LENGTH 26.
- 27. 3"x90 DEGREE BEND, FLxFL
- 3" FLANGED FEMALE CAM-LOCK W/ CAP 28.
- 29. 6" D2241 CL 160 PVC PIPE
- 30. 6"x4" FLxMJ REDUCER
- 4"x4" TEE, FLxFL 31.
- 4"x3" TEE, FLxFL (BELOW RISER) 32.
- 6" ROMAC COUPLER
- 34. 4" ROMAC COUPLER
- 35. 4"x90 DEGREE PVC BEND
- 4"x4" PVC TEE
- 37. PLUG & ABANDON PRESSURE SEWER BYPASS AFTER LIFT STATION SWITCHOVER

KEY NOTES: (cont.)

- 38. 4" THICK BASE 3/4" CRUSHED AGGREGATE
 - OVEREXCAVATED ±1', PLACED SUBGRADE FABRIC & ROCK CAP
- 39. PRESSURE GAUGE
- 40. 4"x45 DEGREE BEND, FLxFL
- 41. 4"x90 DEGREE BEND, MJxMJ

CLUSTER 'A' SECTION

(25)

(18)

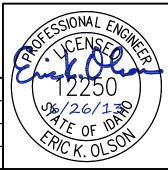
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					219 PINE ST. SANDPOINT, IDAHO 83864 (208)265-4629

WESTWOOD LIFT STATION IMPROVEMENTS CITY OF SANDPOINT, IDAHO

LIFT STATION DETAIL

PROJECT:	
	S12300
FILE NAME:	
	DET.DV
PLOT DATE:	

6/26/13 SHEET NUMBER:



↓			 \	,			
0.67'		(3)— (20)— (-17)	0.67'		_ ;	NIM SC.	
(1) (3)		16 34 19 18 5'	23 21 21 38 5'	0.67	(41) 	<u> </u>	
8 ALARN 2-20 ALARN 1-20 LLG ON 20	071.34	13 SECT 14 — 15	TRANSDU SPECIFIC	JCER, FLO ATIONS, F TIONS WI	RICAL DRA DATS, AND PROVIDE SE HERE REQUI	OTHER ELE	ECTRICAL HOLE
LEAD ON 20	070.34		ITEM		HEIGHT (IN)	ELEV (FT)	DEPTH (FT
			TOP OF	MANHOLE	240 1/2	2084.60	0.0
			FLOAT-HIGH LE	VEL ALARM	87 1/4	2071.84	12.7
LEAD OFF 20			INLET	INVERT (E)	90	2072.05	12.5
ALARM 20	1007.04	— (11)	LEVEL SENSOR-HIGH LE	VEL ALARM	81 1/4	2071.34	13.2
		(12)		LAG ON	75 1/4	2070.84	13.7
2 \				LEAD ON	69 1/4	2070.34	14.2
		43	INLET IN	IVERT (SW)	69 1/4	2070.34	14.2
→ \ ¹ →		¹	LEVEL SENSO	R-LEAD OFF	45 1/4	2068.34	16.2
2064.5			FLOAT-LOW LEVEL ALARM 8	& LEAD OFF	39 1/4	2067.84	16.7
0.67		38	a contraction of the contraction	NDANT OFF	39 1/4	2067.84	16.7
0.67 0.5'	6'	0.5'	ТО	P OF PUMP	39 1/4	2067.83	16.7
			CENTER OF PUMP	DISCHARGE	6 1/4	2065.08	19.5
			LIFT STAT	ION FLOOR	0	2064.56	20.0

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BOTTOM OF LIFT STATION BASE

0.00

12.76

12.55

13.26

13.76

14.26

14.26

16.26

16.76

16.76

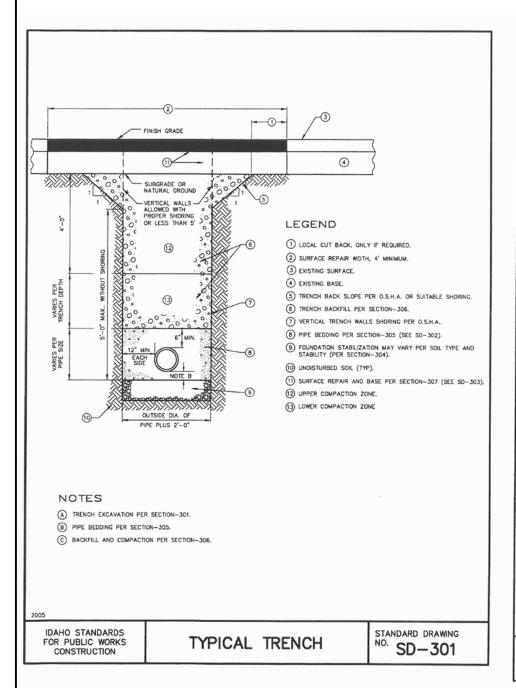
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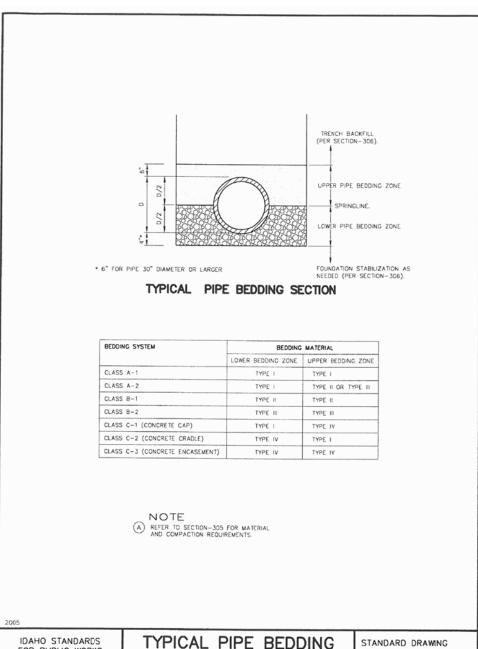
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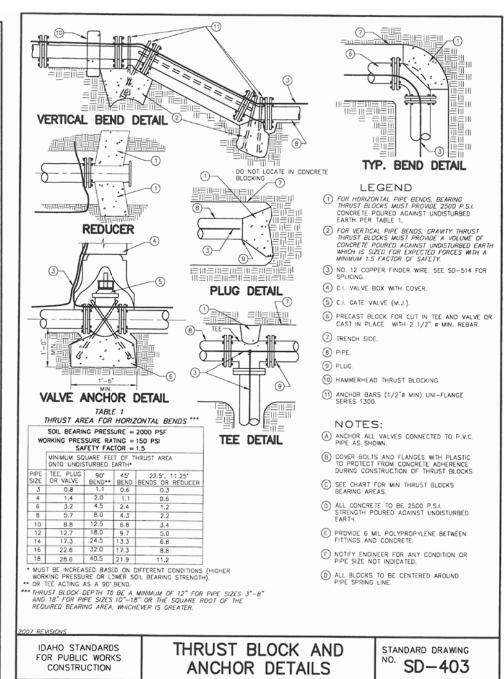
20.71

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SECTION



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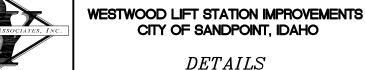
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FOR PUBLIC WORKS

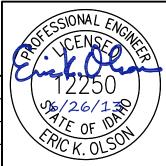
CONSTRUCTION

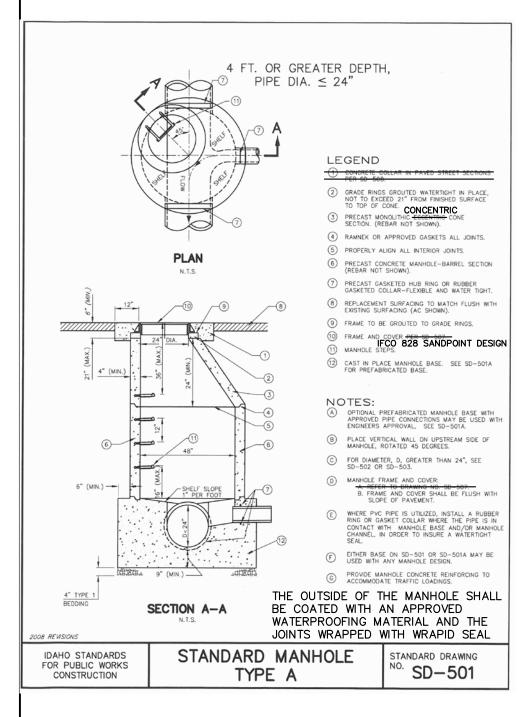


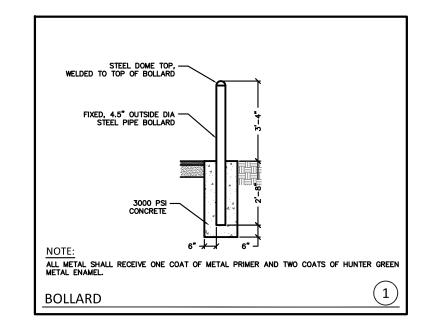
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SHEET NUMBER:







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DETAILS

PROJECT:	
	S1230
FILE NAME:	
	-DETAILS.D
PLOT DATE:	

7/20/12 SHEET NUMBER:



