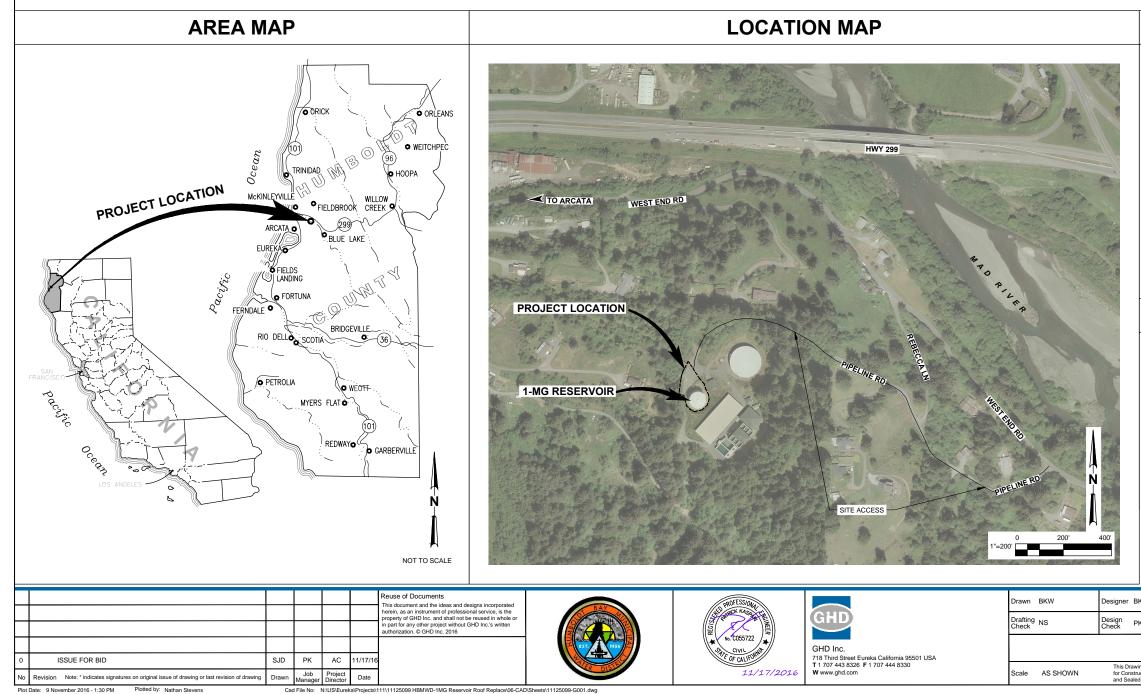
# HUMBOLDT BAY MUNICIPAL WATER DISTRICT 1-MG RESERVOIR ROOF REPLACEMENT & PAINTING ISSUED FOR BID - NOVEMBER 2016





## **APPROVALS**

PLANS AND SPECIFICATIONS APPROVED BY THE BOARD OF DIRECTORS OF THE HUMBOLDT BAY MUNICIPAL WATER DISTRICT, COUNTY OF HUMBOLDT, STATE OF CALIFORNIA, THIS <u>[61 h]</u> DAY OF <u>NOVEMBER</u>, 2016.

GENERAL MANAGER

### BOARD OF DIRECTORS

BARBARA HECATHORN ALDARON LAIRD J. BRUCE RUPP SHERI WOO NEAL LATT PRESIDENT VICE PRESIDENT SECRETARY-TREASURER ASSISTANT SECRETARY-TREASURER DIRECTOR

SIGNE

ENGINEER: GHD Inc. PATRICK KASPARI



11/17/2016

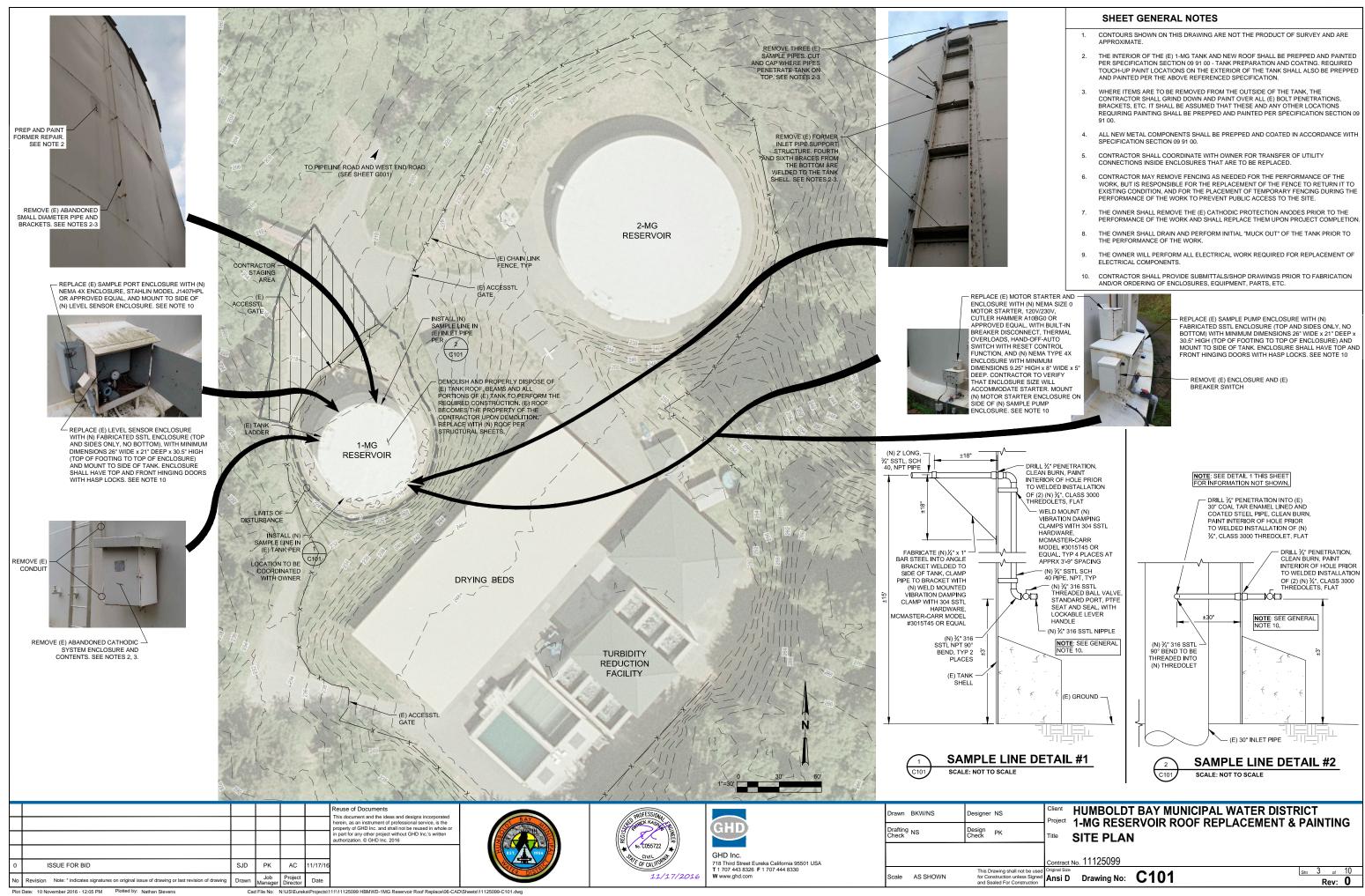
## SHEET INDEX

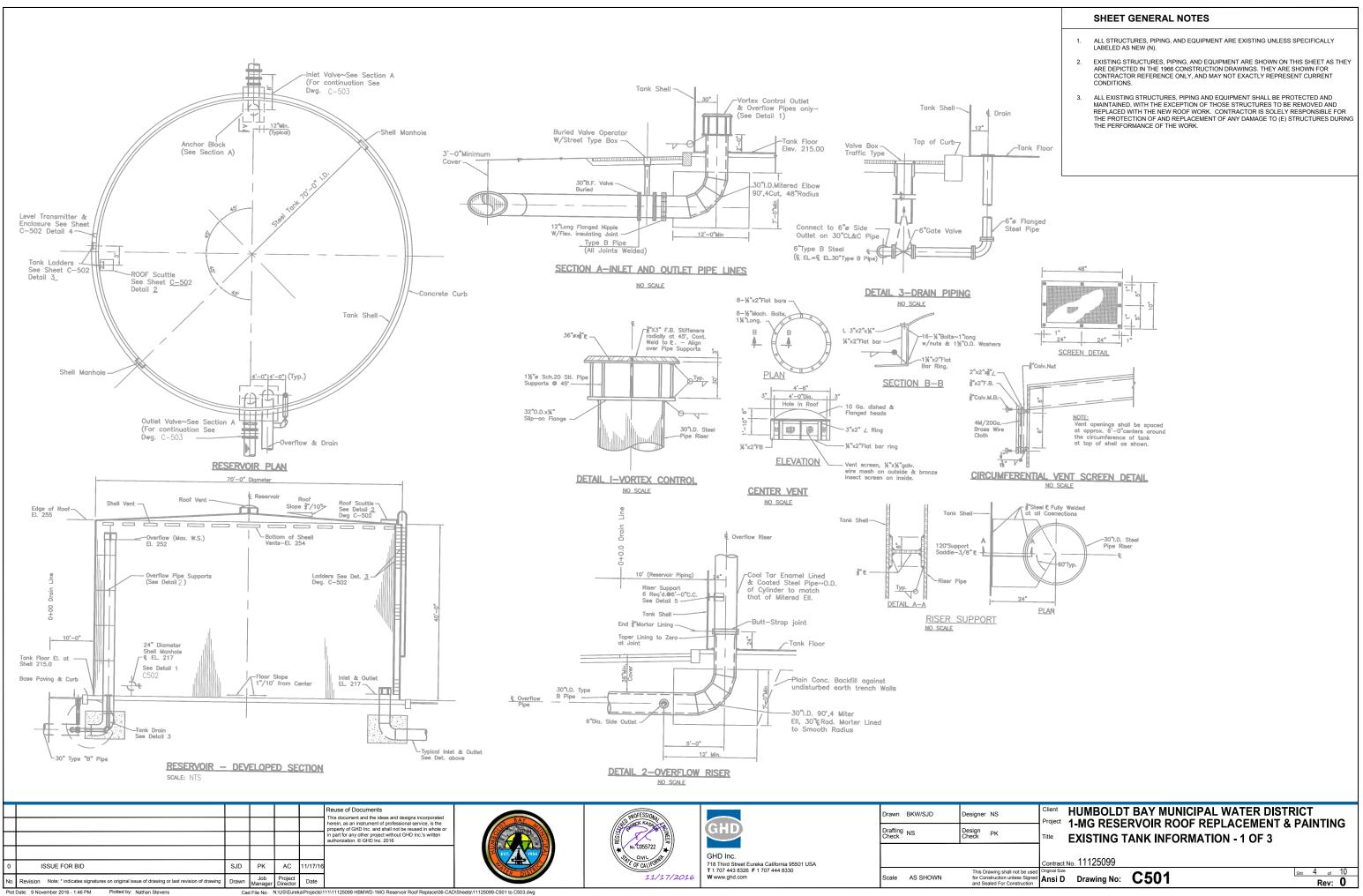
SHEET NO.	DRAWING	DESCRIPTION
GENERAL		
1	G001	COVER SHEET
2	G002	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
CIVIL		& ABBREVIATIONS
3	C101	SITE PLAN
4	C501	EXISTING TANK INFORMATION - 1 OF 3
5	C502	EXISTING TANK INFORMATION - 2 OF 3
6	C503	EXISTING TANK INFORMATION - 3 OF 3

SHEET NO.	DRAWING	DESCRIPTION
STRUCTURAL	-	
7	S001	LEGEND, ABBREVIATIONS & GENERAL NOTES
8	S002	STATEMENT OF SPECIAL INSPECTIONS
9	S101	ROOF REPLACEMENT PLAN
10	S501	STRUCTURAL DETAILS

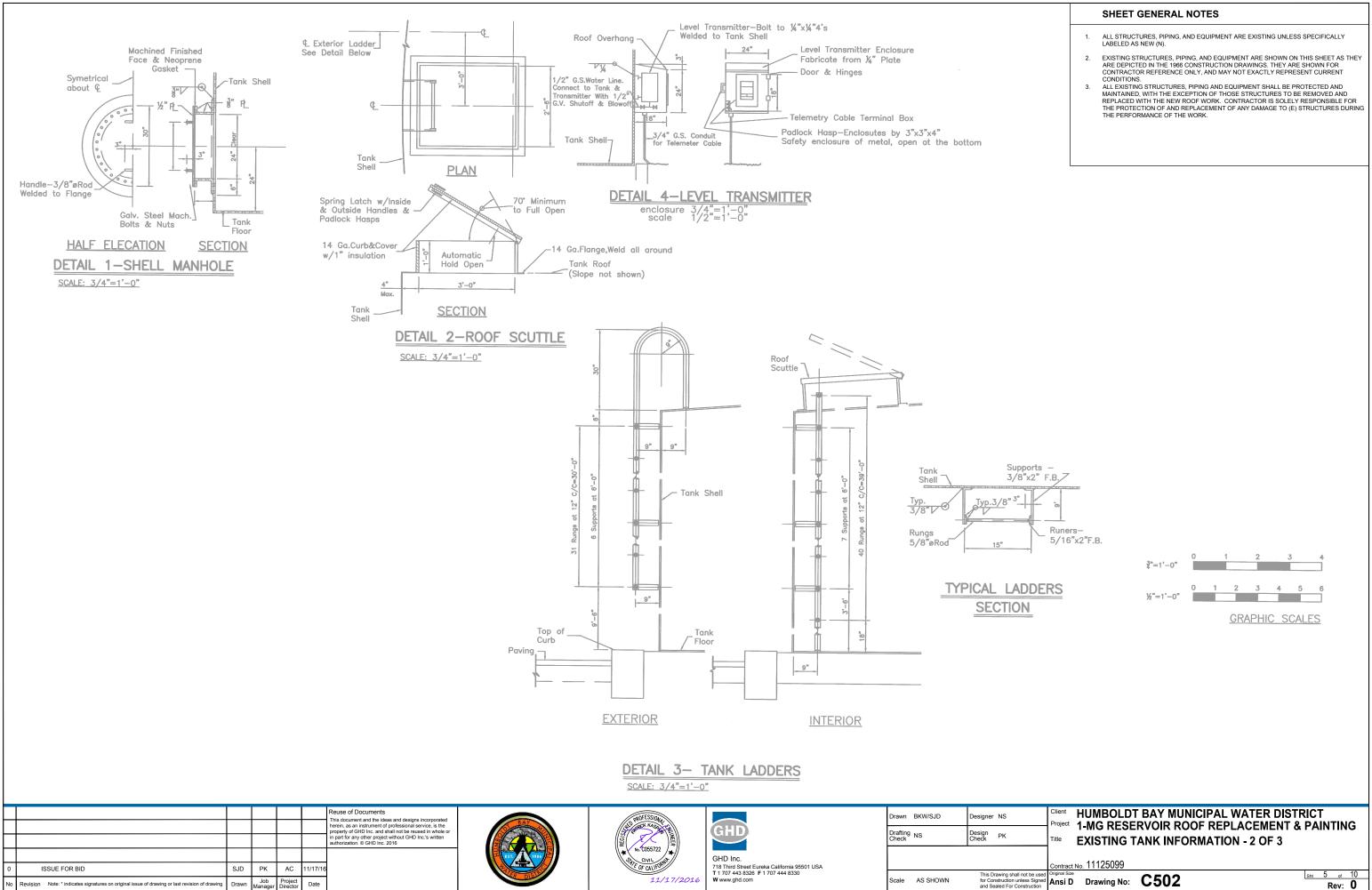
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к				
	Contract No	o. 11125099		
ing shall not be used uction unless Signed d For Construction	Original Size	Drawing No:	G001	sht 1 of 10 <b>Rev: 0</b>

		GENERAL SITE NOTES	ABBREVIATIONS	PLAN SYMBOLS
	1. 2. 3. 4. 5. 6. 6. 1. 2. 3. 3. 1. 1. 1.	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STIE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DESEMANCES TO THE VALUEWERS REPRESENTATIVE. CONTRACTOR IS RESPONSIBLE FOR VISITING THE REPORT ANY DESEMANCES REPORTING THAT TO REPARCE ALL SURVEY MOUNDANTS TENDES ADONS. IT IS THE CONTRACTORS REPORDING THAT TO REPORT ALL SURVEY MOUNDANTS TENDED SURVEY DOWNLEED STIE CONTRACTORS OWN PERSELE A KONNUMENT HAS THE POLICIDANT TO REPARCE ALL SURVEY MOUNDANTS TENDEOS CONTRACTORS OWN PERSELE A KONNUMENT HAS THE POLICIDANT OF SAM DOWNLINGT. CONTRACTORS HALL AT HIS/HEE REPORTS, HIRE A CIVIL EXCIDENCE THE LOCATION OF SAM DOWNLINGT. CONTRACTORS HALL AT HIS/HEE REPORTS, HIRE A CIVIL EXCIDENCE TO A CONSTRUCTION OF SAM DOWNLINGT. CONTRACTORS HALL AT HIS/HEE REPORTS, HIRE A CIVIL EXCIDENCE TO A CONSTRUCTION OF SAM DOWNLINGT. CONTRACTORS HALL PROVED ADD DEBRIS OF RANDO SAT ALL TIMES. CONTRACTORS HALL HER ODESIGNATED STAGING AREAS AND ANY OTHER AREAS AS DEPICITED ON THESE DOCUMENTS FOR TAKING CONSTRUCTION OF DEPICATION AND ALL CONSTRUCTION ADDICATE BRACING, FALL PROVED ADDIVIDED STAGING AREAS AND ANY OTHER AREAS AS DEPICITED ON THESE DOCUMENTS OF RANDO SAT ULL DEPOCED ADDIVIDE PROPER TEMPORARY INTEGRITY AND WORKER PROTECTION DURING ALL PRASES OF CONSTRUCTION. UNTENDES OF RANDO MASS DIFFORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY AND WORKER PROTECTION DURING ALL PHASES OF CONSTRUCTION. UNDENCEMPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY AND WORKER PROTECTION DURING ALL PHASES OF CONSTRUCTION FUNCIED. THE CONTRACTOR SHALL EXACT THE RESTORED TO AN 'AS GOOD OR DETERT CONDITION. UNDENCEMPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY AND WORKER PROTECTION DURING ALL PHASES OF CONSTRUCTION FUNCIES. SHALL BE DONE WITHOUT SECURING APPROVAL FROM OWNER. LAUDSCAPEND AD ATELED ATTEND. TO RELEVANT AND TO REPORT TO ANY AS GOOD OR DETERT CONDITIONS. LAUDSCAPED AND LAURSCAPED AT THE CONTRACTOR SHALL EXTSTING CONDITIONS. LAUDSCAPED AND HAVE DERRECONDAL TO PROVIDE PROPER TEMPORATION OF THE CONTRACTOR SHALL	AB ANGHOR BOLT AB AGREPATE BASE AG ASPRATE DASE AG AGREGATE ARY ARY ARY ARY ARY ARY ARY ARY	Notified in the second of t
Image: Constraint of the and set of		This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of CHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. € GHD Inc. 2016     SJD PK AC 11/1/1/16     ad drawing or last reusion of drawing. Prove Job Project	718 Third Street Eureka C T 1 707 443 8326 F 1 707	California 95501 USA 07 444 8330 California 95501 USA 07 444 8330 California 95501 USA

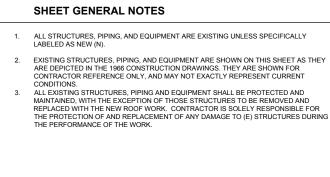




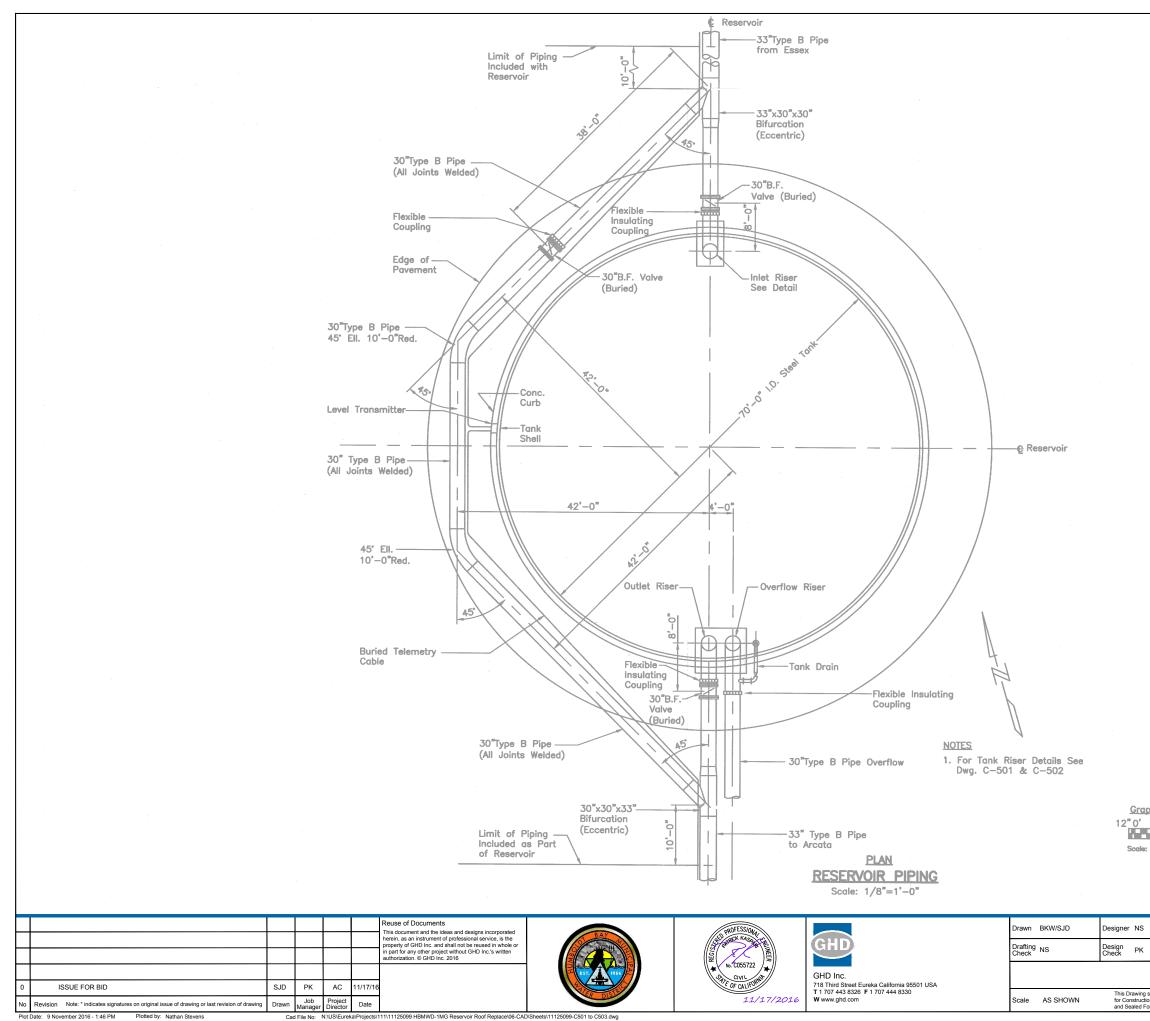
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ж	Title EXISTING TANK INFORMATION - 1 OF 3	
	Contract No. 11125099	
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9 November 2016 - 1:46 PM Plotted by: Nathan Steven



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	000		Sht	5	of	10	
11125099							



	SHEET GENERAL NOTES
1.	ALL STRUCTURES, PIPING, AND EQUIPMENT ARE EXISTING UNLESS SPECIFICALLY LABELED AS NEW (N).
2.	EXISTING STRUCTURES, PIPING, AND EQUIPMENT ARE SHOWN ON THIS SHEET AS THEY ARE DEPICTED IN THE 1966 CONSTRUCTION DRAWINGS. THEY ARE SHOWN FOR CONTRACTOR REFERENCE ONLY, AND MAY NOT EXACTLY REPRESENT CURRENT CONDITIONS.
3.	ALL EXISTING STRUCTURES, PIPING AND EQUIPMENT SHALL BE PROTECTED AND MAINTAINED, WITH THE EXCEPTION OF THOSE STRUCTURES TO BE REMOVED AND REPLACED WITH THE NEW ROOF WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF AND REPLACEMENT OF ANY DAMAGE TO (E) STRUCTURES DURING THE PERFORMANCE OF THE WORK.

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5'	10'
: 1/8°=1'	-0°

	Client HUMBOLDT BAY MUNICIPAL WATER DISTR Project 1-MG RESERVOIR ROOF REPLACEMENT & Title EXISTING TANK INFORMATION - 3 OF 3 Contract No. 11125099	
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		STRUCTUR	AL ABBREVIATIONS			GENER	AL STRUCTURAL	
AASHTO	AMERICAN ASSOCIATION OF	EQUIP	EQUIPMENT	(11)	NEW - CONTRACTOR TO FURNISH	GENERAL		
AB	STATE HIGHWAY AND TRANSPORTATION OFFICIALS ANCHOR BOLT	ETC EW EWEF	ET CETERA EACH WAY EACH WAY EACH FACE	(N) NIC	AND INSTALL NOT IN CONTRACTOR TO FURNISH	CONTRACTOR TO COORDINATE ALL STRUCTURAL DOCUMENTS WITH ALL OTHER DISCIPLI TO THE OWNER PRIOR TO THE START OF ANY FABRICATION OR CONSTRUCTION.	NES AND REPORT ANY DISC	CREPANCIES
ABC ABV	AGGREGATE BASE COURSE ABOVE	(E)/EXIST EXP	EXISTING EXPANSION	NO. NOM	NUMBER NOMINAL	2. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SITE CONDITIONS AND REI		
AC	AGGREGATE COURSE	EXT	EXTERIOR	NS	NEAR SIDE	2. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SITE CONDITIONS AND REL OWNER PRIOR TO CONSTRUCTION.	OKTANT DISCREPANCIES	STOTIE
ACI ADD'L	AMERICAN CONCRETE INSTITUTE ADDITIONAL	FD	FLOOR DRAIN	NTS	NOT TO SCALE	3. DO NOT SCALE DRAWINGS.		
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FF FG	FINISHED FLOOR FINISHED GRADE	OC OD	ON CENTER OUTSIDE DIAMETER			
AISI	AMERICAN IRON AND STEEL	FH FIN	FULL HEIGHT FINISH	OF OPG	OUTSIDE FACE OPENING	<ol> <li>DESIGN CRITERIA: 2013 CALIFORNIA BUILDING CODE (2013 CBC) AWWA D100-11</li> </ol>		
AITC	AMERICAN INSTITUTE OF TIMBER	FL	FLOOR	OPP	OPPOSITE	ACI 318-11		
ALT	CONSTRUCTION ALTERNATE	FLG FN	FLANGE FACE NAIL	PEB	PRE ENGINEERED BUILDING	CAL / OSHA		
ALUM ANSI	ALUMINUM AMERICAN NATIONAL STANDARDS	FND FO	FOUNDATION FACE OF	PEMB PL	PRE ENGINEERED METAL BLDG PLATE	5. LOADS: ROOF LIVE LOADS: 20 PSF (REDUCTIONS TAKEN AS ALLOWED BY BUILDING CO	DDE)	
APA	INSTITUTE AMERICAN PLYWOOD	FOM FOW	FACE OF MASONRY FACE OF WALL	PLCS PLYWD	PLACES PLYWOOD	MAINTENANCE PLATFORM: 60 PSF		
	ASSOCIATION	FRMG	FRAMING	PNL PREFAB	PANEL	WIND LOADS: MAIN FORCE RESISTING SYSTEM:		
ARCH ASTM	ARCHITECT/ARCHITECTURAL AMERICAN SOCIETY FOR TESTING	FS FTG	FAR SIDE FOOTING	PT	PREFABRICATED POINT, PRESSURE TREATED	BASIC WIND SPEED: V = 115 MPH		
AWS	AND MATERIALS AMERICAN WELDING SOCIETY	GA	GAUGE	PVMT	PAVEMENT	RISK CATEGORY: IV (ESSENTIAL FACILITY)		
AWWA	AMERICAN WATER WORKS ASSOCIATION	GALV GF	GALVANIZED GOVERNMENT FURNISHED	QTY	QUANTITY	EXPOSURE CATEGORY: C INTERNAL PRESSURE COEFFICIENT: ±0.18		
B	BOTTOM	GR	GRADE GROUT	R/RAD REF	RADIUS REFERENCE	SEISMIC LOADS:		
B/ BB	BOTTOM OF BOTTOM BARS	GRT GSN	GENERAL STRUCTURAL NOTES	REINF	REINFORCING	SEISMIC IMPORTANCE FACTOR: I∉ = 1.50 MAPPED SPECTRAL RESPONSE ACCELERATIONS:		
BO BLDG	BOND BUILDING	GYP	GYPSUM	REQD RF	REQUIRED ROOF	Ss = 2.87 g		
BLKG BM	BLOCKING BEAM	HAS HD	HEADED ANCHOR STUDS HAND	RM	ROOM	S1 = 1.14 g		
BN	BOUNDARY NAIL	HEF	HORIZONTAL EACH FACE	SCHED/SCH	SCHEDULE	SPECTRAL RESPONSE COEFFICIENTS: SDS = 1.91 g		
BRG BS	BEARING BOTH SIDES	HIF HK	HORIZONTAL INSIDE FACE HOOK	SEC SF	SECTION SQUARE FEET	SD1 = 1.14 g		
BTWN	BETWEEN	HM HOF	HOLLOW METAL HORIZONTAL OUTSIDE FACE	SHT SIM	SHEET SIMILAR	SOIL SITE CLASS: D SEISMIC DESIGN CATEGORY: E		
C C/C	CHANNEL CENTER TO CENTER	HOR <b>I</b> Z HP	HORIZONTAL HIGH POINT	SP SPCG	SPACE/SPACES SPACING			05
CANT CAP	CANTILEVER	HSS	TUBE STEEL	SPEC SST	SPECIFICATIONS	<ol> <li>REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCT REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE</li> </ol>		
CBC	CAPACITY CALIFORNIA BUILDING CODE	HT	HEIGHT	STD	STAINLESS STEEL STANDARD	THE DOCUMENT DATE IS SHOWN. 7. THESE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE	CONDITIONS ARE NOT SPE	ECIFICALLY
CF CHKD	CUBIC FEET CHECKED	IBC ID	INTERNATIONAL BUILDING CODE INSIDE DIAMETER	STIFF STL	STIFFENER STEEL	INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS C BY THE OWNER'S REPRESENTATIVE.		
CI CJ	CONTRACTOR INSTALLED CONTRACTION/CONTROL JOINT	IE INFO	THAT IS INFORMATION	STRUCT SYM	STRUCTURAL SYMMETRICAL	8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND		NS. NOTIFY THE
CL CLR	CENTERLINE	INT INTERMED	INTERIOR	т.	TOP	OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING 9. PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION		DE. BUT MAY
CLG	CEILING	INTERSECT	INTERSECTION	T/	TOP OF	NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC, VISITS TO THE SITE BY THE OV	A REGISTERED CIVIL ENG	SINEER WHOM I
CMU COL	CONCRETE MASONRY UNIT COLUMN	INV	INVERT	T&B TB	TOP AND BOTTOM TOP OF BAR	INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.		
CONC CONN	CONCRETE CONNECTION	JST JT	JOIST JOINT	THK TOC	THICK TOP OF CONCRETE	<ol> <li>INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESEN WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CO</li> </ol>		
CONSTR	CONSTRUCTION	1	ANGLE	TOS	TOP OF STEEL TYPICAL	REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTE REPRESENTATIVE.	IN DIRECTION FROM THE C	OWNER'S
CONT COORD	CONTINUOUS COORDINATE	LBS	POUNDS			11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND		
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	LG LL	LONG LIVE LOAD	UHMW	ULTRA HIGH MOLECULAR WEIGHT	APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THIS WORK.	ADJACENT PROPERTY AGA	AINST DAMAGE
CTR/CTR'D	CENTER/CENTERED	LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL	UNO UON	UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED	<ol> <li>UNLESS NOTED OTHERWISE, REFER TO DRAWINGS OTHER THAN STRUCTURAL FOR FINISH CURBS, STAIRS, RAMPS, TRENCHES, EQUIPMENT AND LOCATIONS AND EXTENT OF SUCH (</li> </ol>		NS, OPENINGS,
d	PENNY (NAIL SIZE)	LOC	LOCATION	UPR UT	UPPER	13. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SITE CONDITIONS AND REI		S TO THE
DBL DEG	DOUBLE DEGREES	LONGIT/LONGI LP	LOW POINT		ULTRASONIC TESTING	ENGINEER PRIOR TO CONSTRUCTION. 14. DETAILS OR CONDITIONS NOT FULLY DEVELOPED ON STRUCTURAL DOCUMENTS ARE SIMI	ILAR TO DEVELOPED DETA	ALS.
DET DF	DETAIL DOUGLAS FIR	LT LWR	LEFT LOWER	VEF VERT	VERTICAL EACH FACE VERTICAL	15. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
DIA DIAG	DIAMETER DIAGONAL	MACH	MACHINE	VIF VOF	VERTICAL INSIDE FACE	<ol> <li>ALL PLANS TO BE COORDINATED WITH GENERAL NOTES AND TYPICAL DETAILS AS APPLIC.</li> <li>ALL LADDERS, RAILINGS, PLATFORMS, AND SAFETY ELEMENTS SHALL BE PROVIDED IN CO</li> </ol>		JSHA
DIM	DIMENSION DISCONTINUE	MAINT	MAINTENANCE	w/	WITH	STANDARDS.		
DISCONT DL	DEAD LOAD	MAS MAX	MASONRY MAXIMUM	W OR WF	WIDE FLANGE (BEAM)	SPECIAL INSPECTION		
DN Do	DOWN DITTO	MB MC	MACHINE BOLT CHANNEL	WGT W/O	WEIGHT WITHOUT	<ol> <li>SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CALIFORNIA BUILDING CODE CHAPTER 1 PORTIONS OF THE WORK:</li> </ol>	7 IS REQUIRED ON THE FO	JLLOWING
DP DWG	DEEP DRAWING	MCJT MECH	MASONRY CONTROL JOINT MECHANICAL	WP WS	WORK POINT WATERSTOP	STRUCTURAL STEEL		
DWL	DOWEL	MFR MHHW	MANUFACTURER	WT	TEE	(REFER TO THE STATEMENT OF SPECIAL INSPECTIONS FOR MORE SPECIFIC REQUIREMEN	TS)	
(E)	EXISTING	MIN	MEAN HIGHER HIGH WATER MINIMUM	&	AND	STEEL		
EA EF	EACH EACH FACE	MISC MLLW	MISCELLANEOUS MEAN LOWER LOW WATER	@	AT DEGREE	1. DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE AMERICA		ONSTRUCTION
EG EL/ELEV	FOR EXAMPLE ELEVATION	MNTG MO	MOUNTING MASONRY OPENING	ø	DIAMETER FEET	SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (LATEST EDITION AND SUPPLEMENTS 2. ANCHOR BOLTS: ASTM F1554 GRADE 55.	i).	
EMBED	EMBEDMENT	MOD MTL	MODIFIED METAL	"	INCHES NUMBER	3. ALL STEEL BARS & PLATES SHALL BE ASTM A36 UNLESS OTHERWISE NOTED.		
EN ENGR	EDGE NAIL ENGINEER	WITE	METAL	# ±	PLUS OR MINUS	<ol> <li>ALL STEEL SHAPES SHALL BE ASTM A992 GRADE 50 UNLESS OTHERWISE NOTED.</li> <li>ALL TUBES SHALL BE ASTM A500 GRADE B.</li> </ol>		
EQ	EQUAL					6. ALL PIPES TO BE ASTM A53 GRADE B.		
			NOTES: 1. ABBREVIATIONS ON THIS SHEET TO OTHER DISCIPLINES FOR APP	LICABLE SYMBOLS NO	OT PROVIDED HERE	<ol> <li>ALL THREADED RODS: ASTM F1554 GRADE 55.</li> <li>BOLTED CONNECTIONS, UNLESS NOTED OTHERWISE: 1-INCH DIAMETER A325-N BOLTS.</li> </ol>		
			<ol> <li>THIS IS A STANDARD ABBREVIATI ON THIS SHEET AND MAY NOT BE</li> </ol>			<ol> <li>INSTALL HIGH STRENGTH BOLTS IN ACCORDANCE WITH SECTION 8 OF THE "SPECIFICATION ASTM 4235 OF 4400 POLITS", LATERT EDITION</li> </ol>	NS FOR STRUCTURAL JOIN	ITS USING
						ASTM A325 OR A490 BOLTS", LATEST EDITION. 10. PROVIDE BEVELED WASHERS ON ALL CONNECTION TO SLOPING FLANGES OF W SECTIONS	3 AND CHANNELS WHERE §	SLOPE
		ANNOTATIO	DN LEGEND			EXCEEDS 1:20. 11. ANCHOR RODS SHALL BE THREADED ANCHOR RODS WITH NUT. THE EMBEDDED NUT SHAL	L BE TACK WELDED TO TH	HE ANCHOR
			- SECTION OR ELEVATION NU	MPED		ROD TO PREVENT ROTATION DURING TIGHTENING.		
	NUMBER		SECTION OR ELEVATION NO	WIDER		<ol> <li>BOLT HOLES IN STEEL SHALL BE "STANDARD" (1/16-INCH LARGER IN DIAMETER THAN THE I OTHERWISE NOTED.</li> </ol>	JOMINAL BOLT SIZE), UNLE	:55
	1 DETA	IL INDICATOR	2 ELEVATION INDICATOR	۲. <b>–</b>		<ol> <li>WELDING ELECTRODES (FILLER METAL): E70XX (70 KSI), WITH EXACT FILLER METAL SELEC 14. WELD LENGTHS CALLED FOR ON THE PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED.</li> </ol>		
	S-501		S-301			SHOWN IT SHALL BE THE FULL LENGTH OF THE JOINT.	WHERE LENGTH OF WEEK	BIONOT
		IBER ON	SHEET NUMBER ON WHICH SECTION OR ELEVATION	l				
		AIL APPEARS	APPEARS					
			Reuse of Documents	I			Drawn SJD	Designer D'
			This document and the ideas and d herein, as an instrument of professi property of GHD Inc. and shall not l	onal service, is the reused in whole or	BAY	GHD	Drafting PK	Designer BL
			in part for any other project without authorization. © GHD Inc. 2016	GHD Inc.'s written			Check PK	Check BLC
					EST. 1956	GHD Inc.		
						GED IIIC.     718 Third Street Eureka California 95501 USA	1	
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	FOR BID		p Project Date			T 1 707 443 8326 F 1 707 444 8330 <i>11/17/2016</i> W www.ghd.com	Scale AS SHOWN	This Drawing for Construct and Sealed F

STEEL (CONTINUED)

- 15. COMPLETE PENETRATION WELDS SHALL BE MADE WITH PROPER BACKING WHEREVER POSSIBLE. FULL PENETRATION WELDS MADE WITHOUT PROPER BACKING SHALL HAVE THE ROOT GOUGED BEFORE WELDING IS STARTED FROM THE OTHER SIDE EXCEPT AS PROVIDED IN AWS D1.1.
- 16. ALL BUTT AND GROOVE WELDS SHALL BE FULL PENETRATION, UNLESS NOTED OTHERWISE.
- 17. ALL SPLICING OF MEMBERS SHALL BE AS SHOWN ON THE DRAWINGS, ANY SPLICING OF THE STEEL MEMBERS PROPOSED BY THE STEEL FABRICATOR SHALL BE SHOWN ON SHOP DRAWINGS AND APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
- 18. ALL STEEL FABRICATION SHALL BE PERFORMED BY A FABRICATOR APPROVED BY THE OWNER.
- 19. ALL ANCHOR BOLTS SHALL BE EMBEDDED AS SHOWN ON THE DRAWINGS.
- 20. MINIMUM PLATE THICKNESS: 3/8 INCH UNLESS OTHERWISE NOTED, MINIMUM WELD:1/4" UNLESS OTHERWISE NOTED.
- 21. ALL STEEL FABRICATION AND DETAILS TO COMPLY WITH MOST STRINGENT OF: AISC CODE, AWS CODE, AND THE 2013 CBC.
- 22. ALL WELDING TO BE BY AWS CERTIFIED WELDERS AND SHALL CONFORM TO ALL 2013 CBC AND AWS REQUIREMENTS, ALL WELDERS SHALL BE PRE-QUALIFIED BY THE PROJECT WELDING INSPECTOR FOR THE WELD TYPES AND POSITIONS USED IN THE PROCEDURES THEY WILL BE PERFORMING.
- UNLESS NOTED OTHERWISE, ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED, UNLESS IT IS PART OF THE PAINTED TANK ASSEMBLY.

#### DEFERRED SUBMITTAL

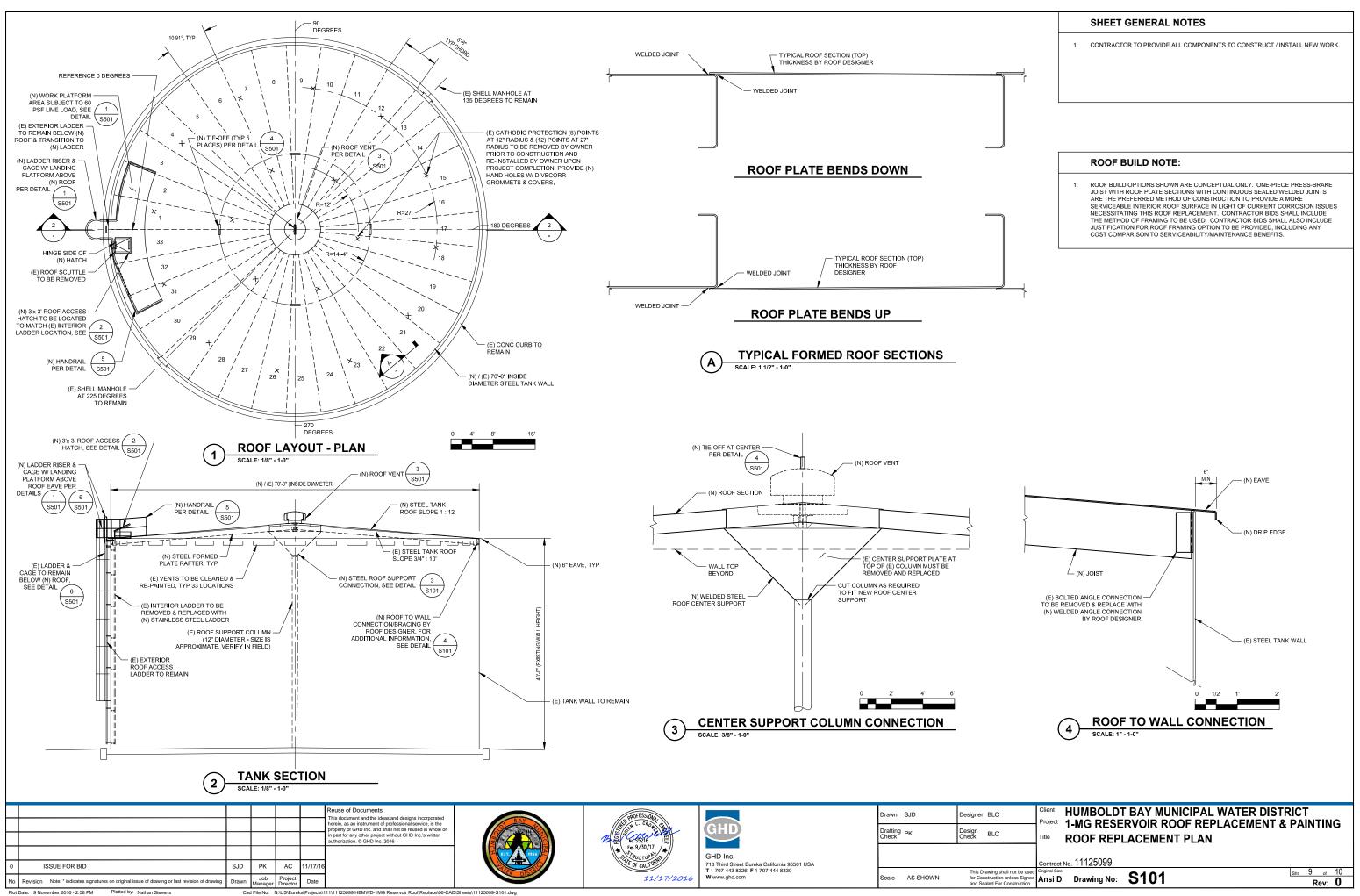
- 1. DEFERRED SUBMITTALS ARE BY CONTRACTOR. DETAILS SHOWN IN THESE SECTIONS ARE FOR BIDDING PURPOSES ONLY AND NOT FOR CONSTRUCTION.
- 2. CONTRACTOR SHALL SUBMIT STEEL TANK ROOF PLANS AND CALCULATIONS TO THE OWNER FOR APPROVAL AND PERMIT PRIOR TO ANY CONSTRUCTION. PLANS AND CALCULATIONS MUST BE PREPARED, SALLED, AND SIGNED BY A CALIFORNIA LICENSED ENGINEER. CALCULATIONS SHALL INCLUDE ANALYSIS OF NEW ROOF WITH SEISMIC SLOSHING WAVE CONSIDERATION.
- 3. CONTRACTOR'S STEEL TANK ROOF SUBMITTAL PACKAGE WILL BE SUBJECT TO OWNER REVIEW AND COMMENT. CONTRACTOR WILL BE RESPONSIBLE FOR ADDRESSING OWNER REVIEW COMMENTS AND RESUBMITTING THE TANK ROOF SUBMITTAL AS NECESSARY. OWNER RESERVES RIGHT TO REQUEST DESIGN MODIFICATIONS BASED ON SERVICABILITY / MAINTENANCE REQUIREMENTS, ETC.

C	Client HUMBOLDT BAY MUNICIPAL WATER DISTRICT Project 1-MG RESERVOIR ROOF REPLACEMENT & PAINTING
0	THE LEGEND. ABBREVIATIONS
	& GENERAL NOTES Contract No. 11125099
g shall not be used tion unless Signed For Construction	Original Size Sht 7 of 10

STATEMENT OF SPECIAL INSPECTIONS	QUALIFICATIONS OF INSPECTORS	STRUCTURAL STEEL
	AND TESTING TECHNICIANS	ITEM 1: MATERIAL VERIFICATION OF HIGH-STRENGTH AGENCY # (QUALIF.): BOLTS. NUTS. AND WASHERS. AWS/AISC-SSI. ICC-SWSI
THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION AND STRUCTURAL TESTING REQUIREMENTS OF THE BUILDING CODE SECTIONS 1704	THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF OWNER, THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF REQUESTED.	SCOPE: A, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE
AND 1705. THIS STATEMENT OF SPECIAL INSPECTIONS ENCOMPASS THE FOLLOWING	KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS:	
DISCIPLINES:	WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC	
STRUCTURAL SPECIAL INSPECTIONS PER 1704	CERTIFICATION OR LICENSE AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR BELOW THE AGENCY NUMBER ON THE SCHEDULE.	ITEM 2:         INSPECTION OF HIGH-STRENGTH BOLTING:         AGENCY # (QUALIF.): AWS/AISC-SSI, ICC-SWSI           SCOPE:
STRUCTURAL SPECIAL INSPECTIONS FOR WIND RESISTANCE THE SCHEDULE OF SPECIAL INSPECTIONS SUMMARIZES THE SPECIAL INSPECTIONS	PE/SE STRUCTURAL ENGINEER - A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES	A. BEARING-TYPE CONNECTIONS.
AND TESTS REQUIRED. SPECIAL INSPECTORS WILL REFER TO THE APPROVED PLANS AND SPECIFICATIONS FOR DETAILED SPECIAL INSPECTION REQUIREMENTS.	PE/GE GEOTECHNICAL ENGINEER - A LICENSED GE OR PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS	
ANY ADDITIONAL TESTS AND INSPECTIONS REQUIRED BY THE APPROVED PLANS AND SPECIFICATIONS WILL ALSO BE PERFORMED.	EIT ENGINEER-IN-TRAINING - A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION	ITEM 3: MATERIAL VERIFICATION OF STRUCTURAL STEEL AGENCY # (QUALIF.): PE/SE SCOPE:
THE SPECIAL INSPECTIONS IDENTIFIED ARE IN ADDITION TO THOSE REQUIRED BY OTHER SECTIONS OF THE BUILDING CODE.	AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION ACI-OFTT CONCRETE FIELD TESTING TECHNICIAN - GRADE 1	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED DOCUMENTS.
THE SPECIAL INSPECTION COORDINATOR SHALL KEEP RECORDS OF ALL	ACI-CCI CONCRETE CONSTRUCTION INSPECTOR ACILITT LABORATORY TESTING TECHNICIAN - GRADE 182	B. MANUFACTURERS MILL TEST REPORTS
INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE	ACI-STT STRENGTH TESTING TECHNICIAN AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	ITEM 4: MATERIAL VERIFICATION OF WELD FILLER MATERIALS. AGENCY # (QUALIF-): AWS-CWI, ASNT
CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND	AWS-CWI CERTIFIED WELDING INSPECTOR AWS/ABSC-SSICERTIFIED STRUCTURAL STEEL INSPECTOR	SCOPE: A. IDENTIFICATION MARKINGS TO CONFORM TO AWS DESIGNATION LISTED IN THE WPS.
THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER	INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.
	ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR ICC-SWSI STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR	ITEM 5: INSPECTION OF WELDING:     AGENCY # (QUALIF.):
INTERIM REPORTS SHALL BE SUBMITTED TO THE OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 1704,1.2.	ICC-SFSI SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR ICC-PCSI PRESTRESSED CONCRETE SPECIAL INSPECTOR ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR	SCOPE:
A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL	AMERICAN SOCIETY OF NONDESTRUCTIVE TESTING (ASNT)	A. STRUCTURAL STEEL 1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.
REQUIRED SPECIAL INSPECTIONS, TESTING AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ISSUED OF A CONTRACT OF USE AND OCCURANCE OF DESTION 170, 112, THE	SCHEDULE OF INSPECTION AND TESTING AGENCIES	2) MULTIPASS FILLET WELDS.
ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY PER SECTION 1704.1.2. THE FINAL REPORT WILL DOCUMENT THE REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF DISCREPANCIES NOTED IN INSPECTIONS.	THIS STATEMENT OF SPECIAL INSPECTIONS / QUALITY ASSURANCE PLAN	3) SINGLE-PASS FILLET WELDS > 5/16".
JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE	INCLUDES THE FOLLOWING BUILDING SYSTEMS:	PERIODIC ⊠ CONTINUOUS 4) SINGLE-PASS FILLET WELDS <= 5/16'.
RESPONSIBILITY OF THE CONTRACTOR.	SOILS AND FOUNDATIONS     WOOD CONSTRUCTION     CAST-IN-PLACE CONCRETE     MECHANICAL & ELECTRICAL SYSTEMS     DESCRIPTION	S) FLOOR AND ROOF DECK WELDS.
THE CONTRACTOR IS REQUIRED TO COORDINATE ALL INSPECTIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND THE SPECIAL INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO ANY SPECIAL INSPECTIONS THAT	PRECAST CONCRETE     ARCHITECTURAL SYSTEMS     MASONRY LEVEL 1     MASONRY LEVEL 2     COLD-FORMED STELL FRAMING	B. REINFORCING STEEL
ARE REQUIRED. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND THE SPECIAL INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO ANY CONCRETE	SPECIAL INSPECTION AGENCIES FIRM AND CONTACT INFO.	1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL CITHER THAN ASTM A706.  D PERIODIC C CONTINUOUS 2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND 2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND
	1. SPECIAL INSPECTION COORDINATOR TBD	SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WULLS, AND SHEAR MULLS, AN
ALL SPECIAL INSPECTORS AND QUALIFICATIONS SHALL BE SUBMITTED TO GHD INC. AND THE OWNER FOR REVIEW.	2. CONCRETE INSPECTOR TBD	3) SHEAR RENFORCEMENT
SPECIALLY INSPECTED WORK THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE OWNER IS SUBJECT TO REMOVAL OR EXPOSURE.	3. STEEL INSPECTOR TBD	
CONTINUOUS INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF	4. SOILS INSPECTOR TBD 5. CONCRETE TESTING AGENCY TBD	ITEM 6: INSPECTION OF STEEL FRAME JOINT DETAILS FOR AGENCY # (QUALIF.): PE/SE
THE WORK UNLESS OTHERWISE SPECIFIED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT	5. CONCRETE TESTING AGENCY TBD	COMPLIANCE WITH APPROVED CONSTRUCTION     DOCUMENTS:     SCOPE:
CANNOT BE CONTINUOUSLY DESERVED, IT IS THE AGENT'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT ALL THE WORK		INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:
IS INSPECTED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE.		A) DETALS SUCH AS BRACING AND STIFFENING.
	_	B) MEMBER LOCATIONS.
CONTRACTOR STATEMENT OF RESPONSIBILITY		
EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OR FABRICATION		ITEM 7: WELDED STUDS WHEN USED FOR STRUCTURAL AGENCY # (QUALIF.): DIAPHRAGMS: MIDERIPORT CONTINUEURS
OF A SYSTEM OR COMPONENT DESIGNATED ABOVE AS PART OF THE MAIN WIND FORCE OR MAIN SEISMIC FORCE RESISTING SYSTEMS ABOVE MUST SUBMIT A STATEMENT OR DEPONDED IN THE DESIGN TABLE		ITEM 8: WELDING OF COLD-FORMED SHEET STEEL     AGENCY # (QUALIF.):
STATEMENT OF RESPONSIBILITY PER SECTION 1706.		FRAMING MEMBERS: AWS-CWI, ASNT
		ITEM 9: WELDING OF STAIRS AND RAILING SYSTEMS: AGENCY # (QUALIF.): AWS-CWI, ASNT

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