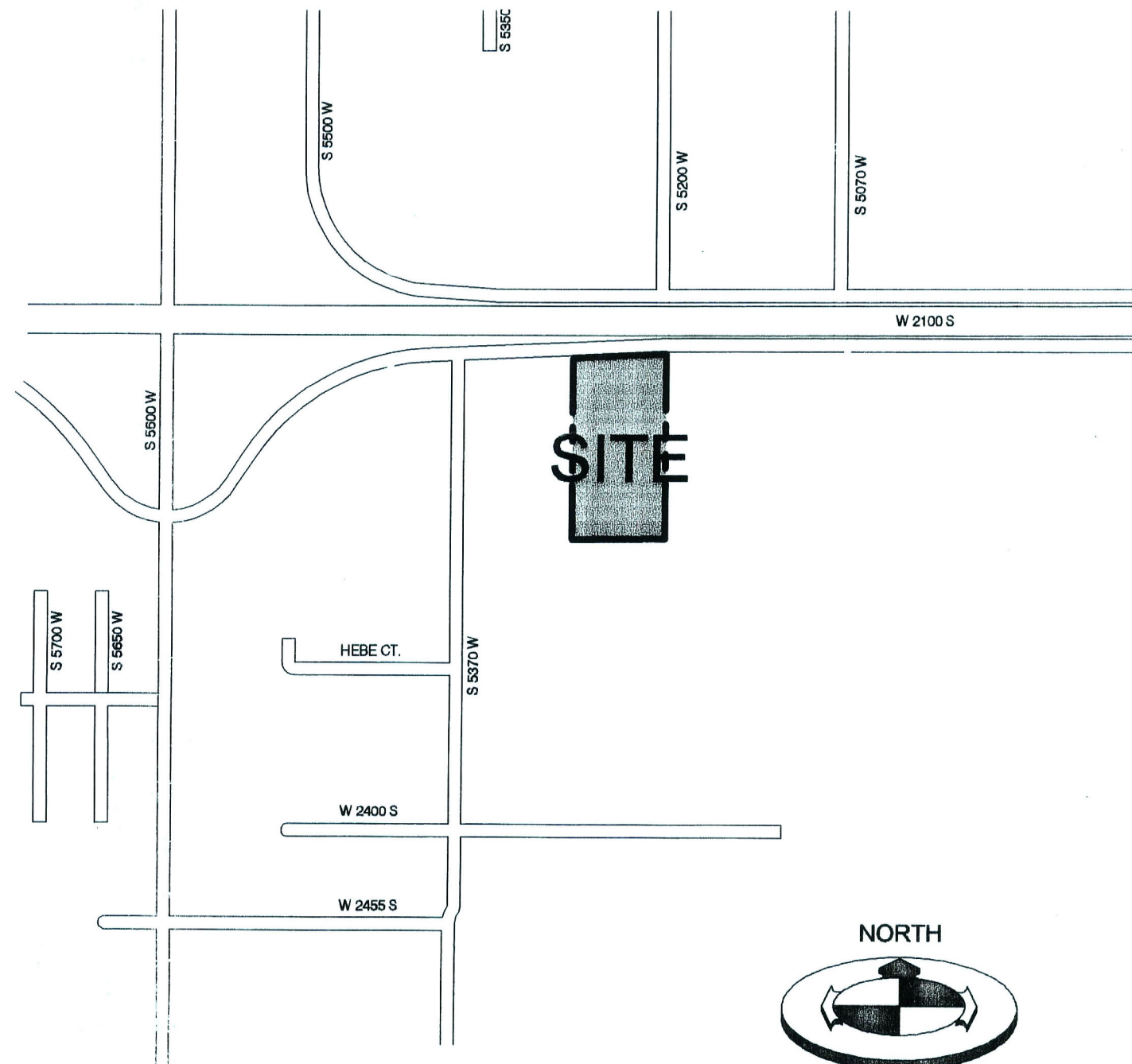
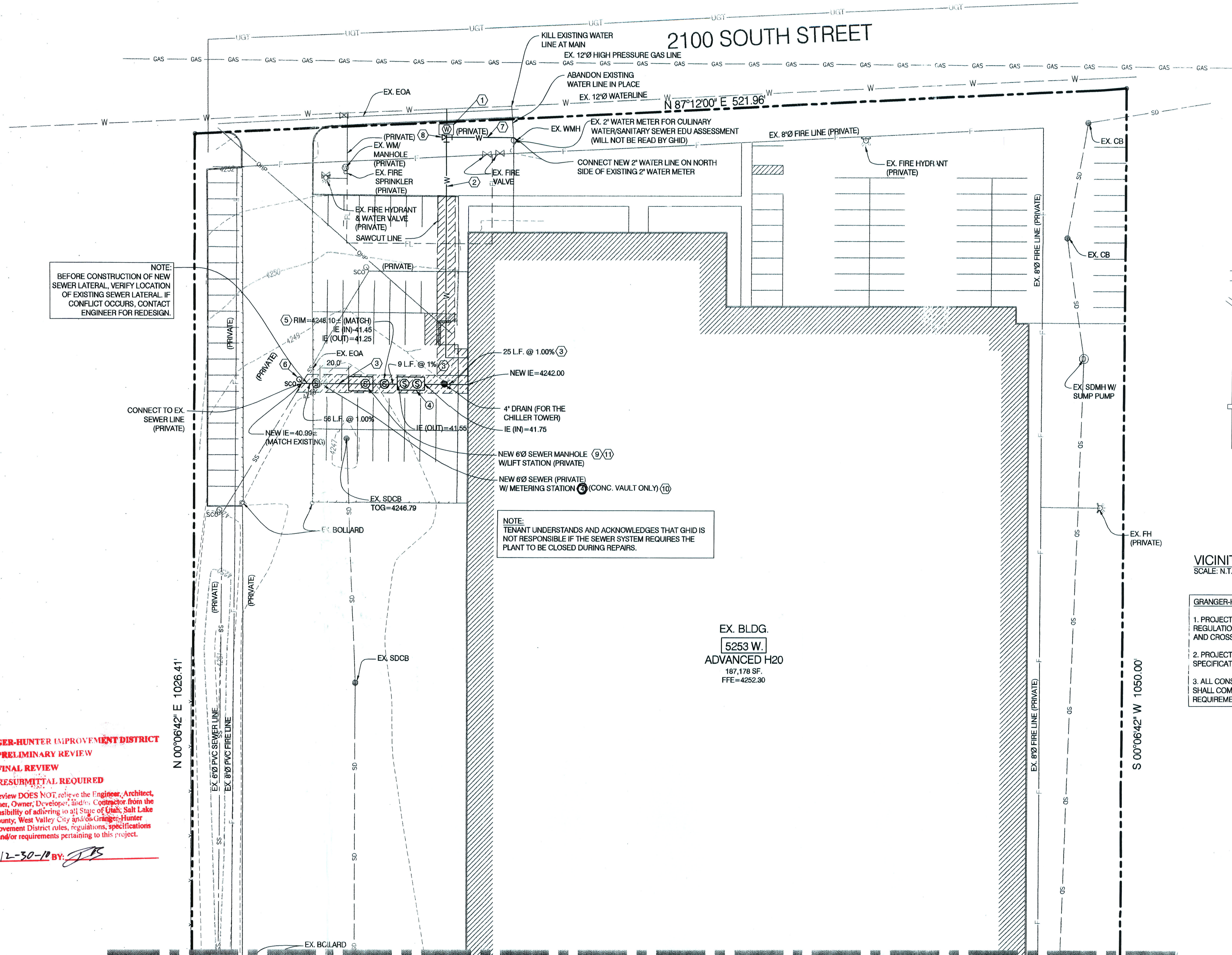




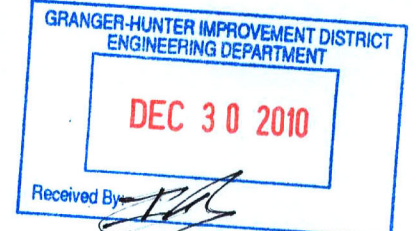
- GRANGER-HUNTER IMPROVEMENT DISTRICT NOTES:**
1. PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION.
 2. PROJECT SHALL COMPLY WITH ALL GRANGER-HUNTER IMPROVEMENT DISTRICT SPECIFICATIONS AND REQUIREMENTS.
 3. ALL CONSTRUCTION IN THE CULINARY WATERLINE AND SANITARY SEWER LINE PIPE ZONE SHALL COMPLY WITH ALL GRANGER-HUNTER IMPROVEMENT DISTRICT SPECIFICATIONS AND REQUIREMENTS.

UTILITIES KEY NOTES REFERENCE		
NO.	DESCRIPTION	DETAIL
①	4" WATER METER & VAULT PER GHID	4/CDT.01
②	4" WATER SERVICE LINE (PRIVATE)	
③	6" PVC SDR-35 SEWER LATERAL (EXCESS WATER DISCHARGE) W/ CLEANOUTS 60' MAX. APART (PRIVATE)	
④	GREASE TRAP (PRIVATE) 1000 GALLON MINIMUM AS PER GHID SPECS	2/CDT.01
⑤	4"Ø SAMPLING MANHOLE (PRIVATE PER GHID SPECS)	1/CDT.01
⑥	6"Ø CLEANOUT (PRIVATE)	
⑦	2" WATER SERVICE LINE (PRIVATE)	
⑧	4"x4"x2" TEE	
⑨	6"Ø SEWER MANHOLE W/ LIFT STATION (PRIVATE)	5/CDT.01
⑩	DURACHETE 4000 GALLON HOLDING TANK OR APPROVED EQUAL	3/CDT.02
⑪	SENSUS OMNI T2 3" METER	1/CDT.02
⑫	HYDROMATIC MODEL S4L PUMP - 3" SOLIDS - 4" DISCHARGE	2/CDT.02

ALL CLEANOUTS IN TRAFFIC AREAS SHALL BE PROTECTED WITH A S.S. STANDARD RING AND COLLAR.



NOTE:
PRIVATE SEWER LARGE METER VAULT AND ALL RELATED APPURTENANCES ARE PRIVATE, EXCEPT ONLY FOR THE METER. THE METER SHALL BE OWNED, MAINTAINED, REPAIRED AND/OR REPLACED BY GHID. THE PRIVATE SEWER LARGE METER VAULT SHALL BE FREE FROM ALL DEBRIS, WATER AND ANY/ALL HAZARDS AND SHALL BE ACCESSIBLE 24/7/365. ALL UTILITY COSTS ASSOCIATED WITH THE PRIVATE SEWER LARGE METER VAULT SHALL BE THE RESPONSIBILITY OF THE OWNER/ADVANCED H2O. PRIVATE SEWER LARGE METER VAULT AND ALL RELATED APPURTENANCES SHALL BE OWNED, MAINTAINED, REPAIRED AND/OR REPLACED BY THE OWNER/ADVANCED H2O.



GRANGER-HUNTER IMPROVEMENT DISTRICT

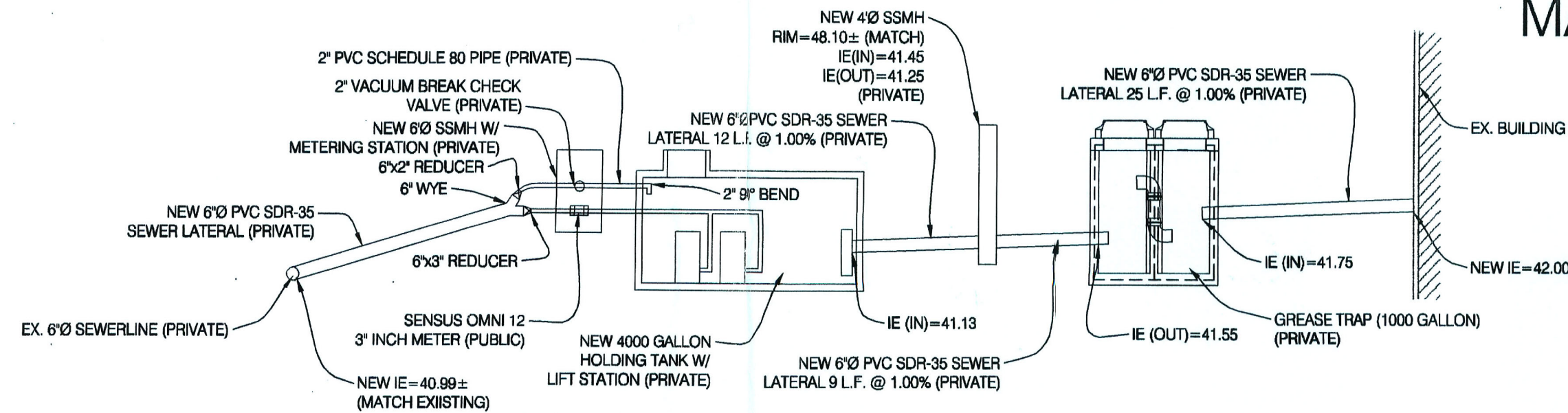
☐ PRELIMINARY REVIEW

☒ FINAL REVIEW

☐ RESUBMITTAL REQUIRED

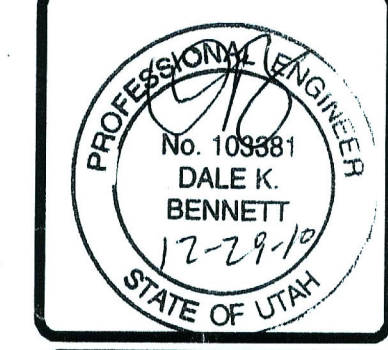
This review DOES NOT relieve the Engineer, Architect, Designer, Owner, Developer, and/or Contractor from the responsibility of adhering to all State of Utah, Salt Lake County, West Valley City and/or Granger-Hunter Improvement District rules, regulations, specifications and/or requirements pertaining to this project.

DATE: 12-30-10 BY: JPS



SCHEMATIC SEWER PROFILE
SCALE: N.T.S.

DATE	DESCRIPTION
10/10/10	CHANGE NOTE ON EXISTING WATER METER
12/07/10	UPDATE PER COMMENTS
12/07/10	UPDATE PER COMMENTS
09/02/10	UPDATE PER COMMENTS
10/08/08	UPDATE PER COMMENTS
12/29/10	UPDATE PER COMMENTS



BENCHMARK ENGINEERING & LAND SURVEYING

9130 SOUTH STATE STREET SUITE # 100
SANDY, UTAH 84070 (801) 542-7192
www.benchmarkcivil.com

ADVANCED H2O MIDGLEY CONSTRUCTION

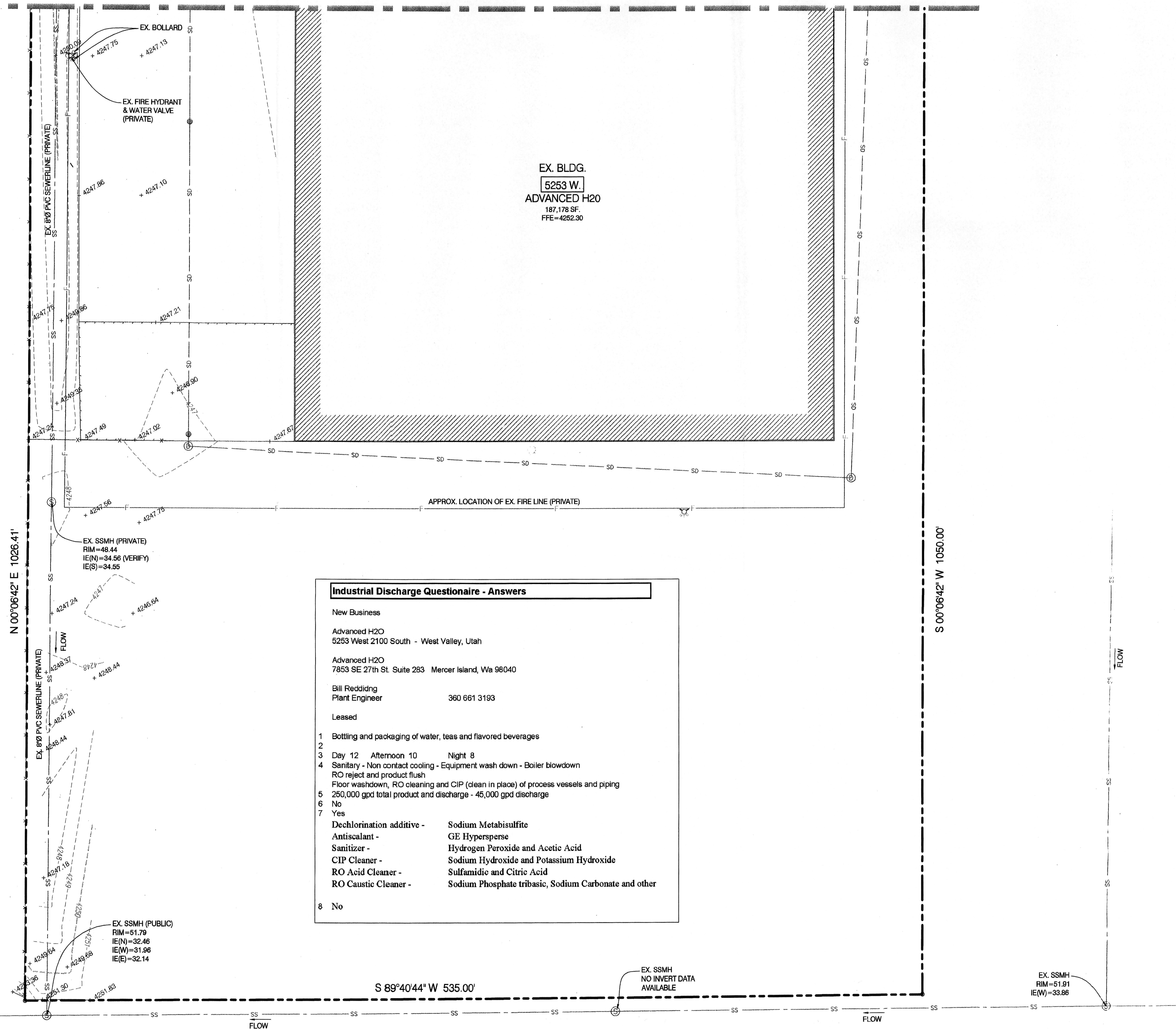
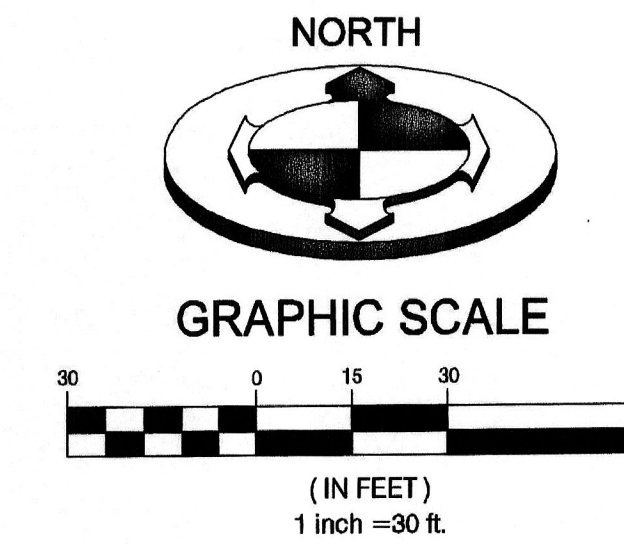
5253 WEST 2100 SOUTH
WEST VALLEY CITY, UTAH

PROJECT NO. 1008085

UTILITY PLAN

CUP.01
1 OF 6

MATCHLINE A-A

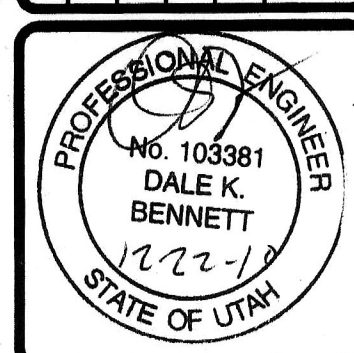


Industrial Discharge Questionnaire - Answers	
New Business	
Advanced H2O 5253 West 2100 South - West Valley, Utah	
Advanced H2O 7853 SE 27th St. Suite 283 Mercer Island, Wa 98040	
Bill Redding Plant Engineer	360 661 3193
Leased	
1	Bottling and packaging of water, teas and flavored beverages
2	
3	Day 12 Afternoon 10 Night 8
4	Sanitary - Non contact cooling - Equipment wash down - Boiler blowdown RO reject and product flush Floor washdown, RO cleaning and CIP (clean in place) of process vessels and piping
5	250,000 gpd total product and discharge - 45,000 gpd discharge
6	No
7	Yes
Dechlorination additive -	Sodium Metabisulfite
Antiscalant -	GE Hypersperse
Sanitizer -	Hydrogen Peroxide and Acetic Acid
CIP Cleaner -	Sodium Hydroxide and Potassium Hydroxide
RO Acid Cleaner -	Sulfamic and Citric Acid
RO Caustic Cleaner -	Sodium Phosphate tribasic, Sodium Carbonate and other
8	No

UTILITIES KEY NOTES REFERENCE		
NO.	DESCRIPTION	DETAIL
③	6" PVC SDR-35 SEWER LATERAL	
⑥	Ø12 CLEANOUT	



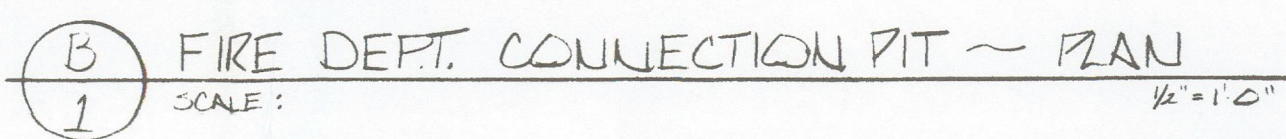
DATE	DESCRIPTION
4/8/2010	UPDATE PER GHD COMMENTS
5/10/10	CHANGE NOTE ON EXISTING WATER METER
6/12/10	UPDATE PER COMMENTS
7/12/10	UPDATE PER COMMENTS
8/12/10	UPDATE PER COMMENTS
10/08/10	SCALE MEASURES 1/4" ON FULL SIZE SHEETS ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS



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ENGINEERING & LAND SURVEYING
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**ADVANCED H2O
MIDGLEY CONSTRUCTION**
5253 WEST 2100 SOUTH
WEST VALLEY CITY, UTAH

PROJECT NO. 1008085
UTILITY PLAN
CUP.02
2 OF 6



1 1/2" IC TAPPING SLEEVE 4/10" TAPPING
VALVE & READ BOX.
10 x 5" MD x M.J. BELL REDUCER

Fire hose footage: $538 + 400 + 460 = 400 + 362 = 400 + 120 + 242 = 862$

say 2600 ft total

1. UNDERGROUND FIRE LINE TO BE INSTALLED, ANCHORED, FLUSHED & TESTED IN CONFORMANCE WITH F.M. DATA. SHEET # 3-C & NFPA #24 STANDARDS.
2. DELTA FIRE SYSTEMS INC. CONTRACT START POINT TO BE AT 6" VET TAP INTO EXISTING MAIN IN 2122 S. FRONTAGE ROAD.
3. ALL MATERIALS TO BE F.M. APPROVED FOR FIRE SERVICE.
4. U/G PIPING TO BE 12" SCH 40 (RINGS JOINT) OR CL 53 & ALSO DUCTILE - AS NOTED ON PLANS.
5. ALL CONNECTIONS TO BE FLANGE OR M.J.
6. MAINTAIN MIN. 3' CURB GF ALL U/G PIPING.

**NOT FOR CONSTRUCTION
OR DESIGN USE
VERIFY UTILITIES
AS SHOWN**

**Granger Hunter Improvement
District
Engineering Department**

LEBRON T. DIAZ
ENGINEERING TECHNICIAN
NICET #079070

DELTA FIRE SYSTEMS INC

SYMBOLS				HEAD COUNT								 DELTA FIRE SYSTEMS, INC. ☒ 1507 PIONEER ROAD P.O. BOX 26587 SALT LAKE CITY, UTAH 84126-0587 TELEPHONE (801) 972-4500 ☐ 27 GLEN CARRAN CIRCLE SPARKS, NEVADA 89431 (702) 359-0396		
ATE OR OS & Y VALVE		ALARM VALVE RISER		HYD. CALC. REFERENCE POINT	MAKE	TYPE	FINISH	K-FACTOR	ORIFICE	DEGREE	CANOPY			QUANTITY
L. BUTTERFLY VALVE		DRY-PIPE VALVE RISER		BRANCH LINE NUMBER									THE GATES RUBBER COMPANY	DATE <i>6-4-91</i>
3ST INDICATOR VALVE		FLOW SWITCH RISER		MAIN DESIGNATION									JOB ADDRESS	SCALE <i>AS-NOTED</i>
CHECK VALVE		DELUGE VALVE RISER		LENGTH AND FLOW DIRECTION									<i>5200 W. 2100 S. FRONTAGE ROAD</i>	SHEET <i>1</i> OF <i>4</i>
RE DEPT. CONNECTION		ELEVATION FROM DATUM POINT		FLEXIBLE GROOVED COUPLING									<i>WEST VALLEY CITY, UTAH</i>	JOB NUMBER
RE HYDRANT		PIPE "UP"		RIGID GROOVED COUPLING										<i>17649</i>
ATER-MOTOR GONG		PIPE "DOWN"		OTHER TYPE COUPLING										
ELECTRIC ALARM BELL		PIPE "BELOW DECK/CEILING"		HANGER DESIGNATION										
AILING HEIGHT		EARTHQUAKE BRACE		PIPE ABOVE FLOOR										
					TOTAL SPRINKLERS THIS SHEET									

ISSUE 13