

ENGINEERS ARCHITECTS PLANNERS SURVEYORS
GEI
 Engineering Associates, Inc.
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 Dallas, TX 75234
 (972) 488-5737

LANDSCAPE ARCHITECTS ENVIRONMENTAL SCIENTISTS

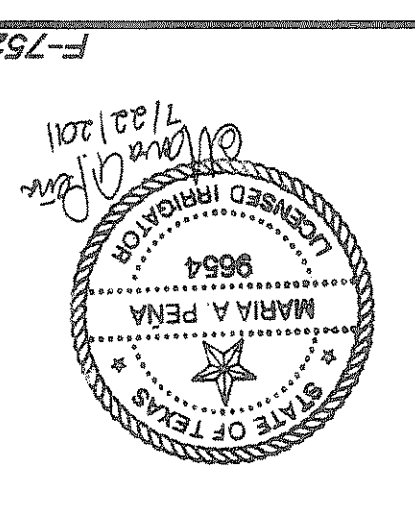
DATE: 07-22-11
 TIME: 2:20 PM
 REV: 7
 TX
 SHEET NO. L3

CLASS 200 IRRIGATION PIPE SCHEDULE

PIPE SIZE	G.P.M.
1/2"	1
3/4"	1-18
1"	1-27
1-1/4"	1-36
1-1/2"	1-45
2"	1-54
2-1/2"	1-63
3"	1-72
4"	1-81
5"	1-90
6"	1-108
8"	1-144
10"	1-180
12"	1-216
14"	1-252
16"	1-288
18"	1-324
20"	1-360
24"	1-432
30"	1-540
36"	1-648
42"	1-756
48"	1-864
54"	1-972
60"	1-1080
72"	1-1296
84"	1-1512
96"	1-1728
108"	1-1944
120"	1-2160

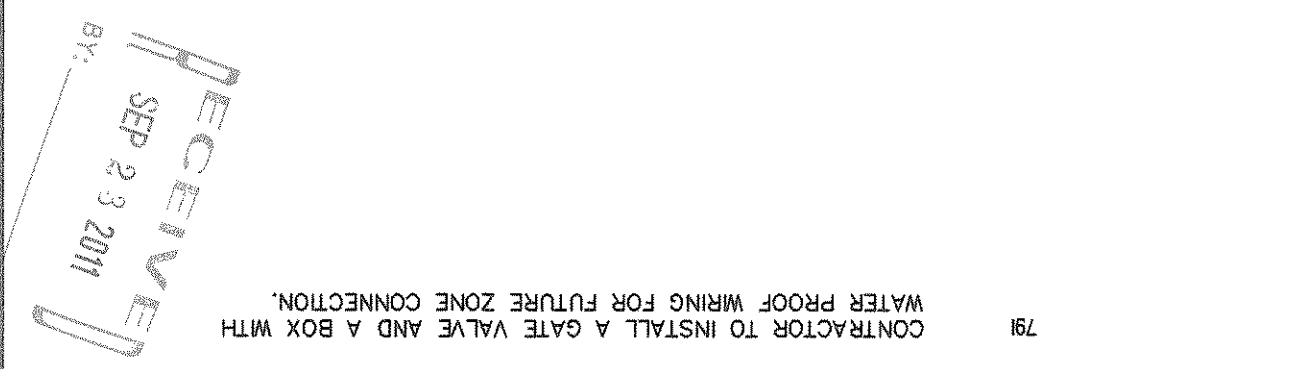
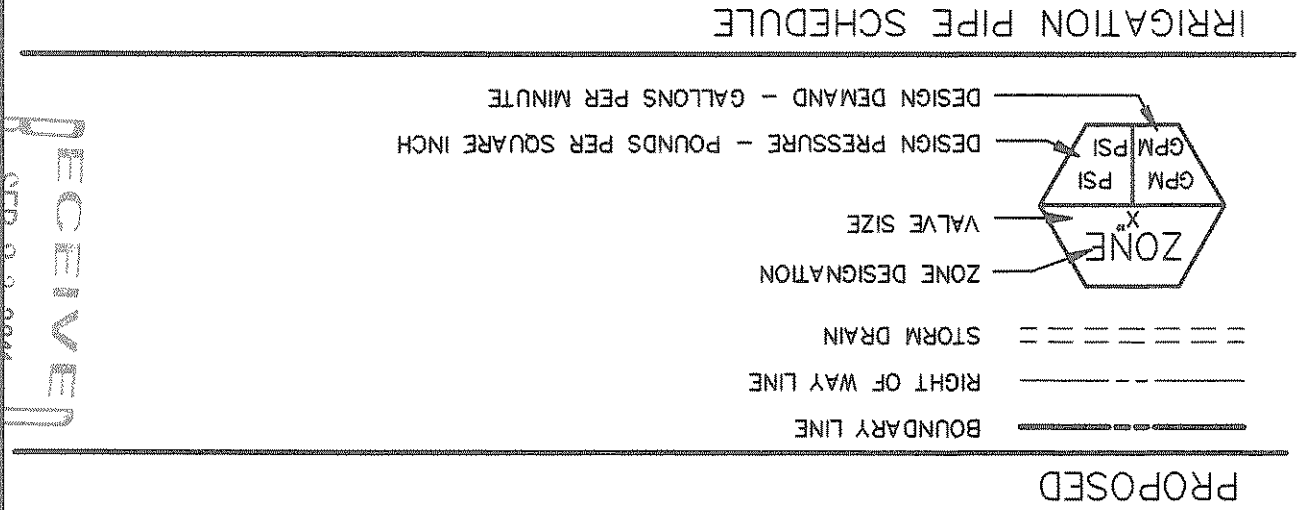
NOTE:
 IN SOME CASES, IRRIGATION PIPE SIZES SHOWN ON IRRIGATION PLANS ARE LARGER THAN THE SIZE SHOWN ON PIPE SCHEDULE DUE TO HYDRAULIC LOSSES. USE PIPE SIZES AS SHOWN ON IRRIGATION PLANS IF PROVIDED.

CONSTRUCTION SET
 DATE: 7/20/11
 LBY: PM
 FGA: DES
 PM: DES
 PHV: DRW



IRRIGATION PIPE SCHEDULE

DESIGN DEMAND - GALLONS PER MINUTE	DESIGN PRESSURE - POUNDS PER SQUARE INCH	VALVE SIZE	ZONE DESIGNATION	STORM DRAIN	RIGHT OF WAY LINE	BOUNDARY LINE
100	100	1/2"	1	---	---	---
200	100	3/4"	2	---	---	---
300	100	1"	3	---	---	---
400	100	1-1/4"	4	---	---	---
500	100	1-1/2"	5	---	---	---
600	100	2"	6	---	---	---
700	100	2-1/2"	7	---	---	---
800	100	3"	8	---	---	---
900	100	3-1/2"	9	---	---	---
1000	100	4"	10	---	---	---



IRRIGATION NOTES

SYMBOL	NOTE
○	MANUFACTURE/MODEL/DESCRIPTION
○	IRRIGATION METER (SEE CIV. PLANS FOR EXACT LOCATION)
○	IRRIGATION PIPE SCHEDULE
○	IRRIGATION MAINTENANCE: 1" PVC SCHEDULE 40
○	IRRIGATION SLEEVE: PVC SCHEDULE 40 TYPICAL SLEEVE
○	SHALL ALLOW FOR IRRIGATION PIPING AND THEREAFTER COMPENSATE TO EASILY SLIDE THROUGH SLEEVING MATERIAL
○	EXTEND SLEEVES 18" BEYOND EDGES OF PAVING OR CONSTRUCTION LIMITS
○	PROVIDE ONE (1) ADDITIONAL 4" DIA. SCHEDULE 40 PVC SLEEVE BETWEEN ALL ISLANDS FOR FUTURE USE
○	IRRIGATION CONTROLLER AND HYDROMETER/FLOW SENSOR FOR FLOW SENSOR WIRE
○	PROVIDE 3/4" DIA. SCHEDULE 80 PVC BETWEEN
○	Y-STRAINER WILKINS-ZURN MODEL NO. 500
○	ISOLATION VALVE KING BROS INDUSTRIES (OR EQUAL), SIZE COMMERCIAL GRADE, SCHD 80 FULL-PORT
○	BRASS BALL VALVE WILKINS-ZURN MODEL NO. 850
○	SCHEDULE 80 PVC FLOW SENSOR WIRE CONDUIT FROM FLOW SENSOR LOCATION TO IRRIGATION CONTROLLER
○	PEDESTAL CONTRACTION MUST PROVIDE FULL STRING
○	CONTRACTOR TO INSTALL A GATE VALVE AND A BOX WITH WATER PROOF WIRING FOR FUTURE ZONE CONNECTION

EXISTING

SYMBOL	DETAIL	MANUFACTURE/MODEL/DESCRIPTION
○	IRRIGATION DETAILS	
○	MANUAL DRAIN VALVE	NOT SHOWN ON PLANS
○	PIPE AND WIRE TRENCHING	NOT SHOWN ON PLANS
○	CONTROLLER: ET WATER SYSTEMS, LLC SMART CONTROLLER, MODEL NO. 205W	
○	RAIN/FREEZER FEATURES INCLUDED	
○	CONTROLLER PEDESTAL: V.I.T. PRODUCTS / STRONGBOX MODEL NO. SB-16SS	
○	CONTROLLER MOUNTING PAD: V.I.T. PRODUCTS / QUICKPAD MODEL NO. GP-16	
○	FLOW SENSOR: GREATSUN SENSOR TECHNOLOGIES, INC. 1-1/2" FLOW SENSOR	
○	MODEL NO. FST-115-001	
○	REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY, WATTS SERIES 009	
○	OR 919 WITH VERTICALLY-ORIENTED BALL-TYPE ISOLATION VALVE	
○	ENCLOSURE: LOCKABLE, PAD-MOUNTED FIBERGLASS ENCLOSURE, HOTBOX	
○	INC. SERIES OR EQUAL, LOCKBOX SERIES OR EQUAL FOR AREAS WITH ANNUAL FREEZES	
○	DIRT VALVE ASSEMBLY: RAINBIRD KXZ-100-B-COM	
○	VALVE BOXES: 12" STANDARD-SIZE, SPECIFICATION GRADE, UV-RESISTANT PLASTIC	
○	VALVE BOX (2 VALVES PER BOX MAXIMUM)	
○	USE GREEN BOD FOR TURN AND GROUNDCOVER-PLANTED AREAS AND TAN	
○	FOR EXPLODED BOD FOR TURN AND GROUNDCOVER-PLANTED AREAS AND TAN	
○	LOCATE VALVES AT LEAST 18" AWAY FROM FACE OF CURB AND AVOID PLACEMENT AT OR PAST CURB RADIIUS ALONG VEHICULAR ROUTES	
○	VALVE TAPS: 1" CHRISTY ENTERPRISE'S STANDARD-SIZE, SINGLE SIDED, YELLOW	
○	IRRIGATION IDENTIFICATION TAGS MODEL NO. ID-5TD-VI	
○	BOWMATH MULTI-OUTLET 200 SERIES DRIP EMITTER (1/200) IN A 6" DIA. ROUND	
○	VALVE INSTALLED 3" FROM TREE TRUNK, INSTALL 1 PER TREE.	
○	LANDSCAPE TREE = 12 GPH TOTAL	
○	ORNAMENTAL TREE = 6 GPH TOTAL	
○	PALM TREE = 6 GPH TOTAL	
○	SUBSURFACE DRIP IRRIGATION: NETAFIM TECHLINE CV DRIPLINE WITH INTEGRAL PRESSURE-COMPENSATING, SELF-CLEANING, ANT-SIPHON CHECK VALVE	
○	IRRIGATION LATERAL LINE: PVC CLASS 200, SEE IRRIGATION PIPE SCHEDULE	
○	IRRIGATION MAINTENANCE: 1" PVC SCHEDULE 40	
○	IRRIGATION SLEEVE: PVC SCHEDULE 40 TYPICAL SLEEVE	
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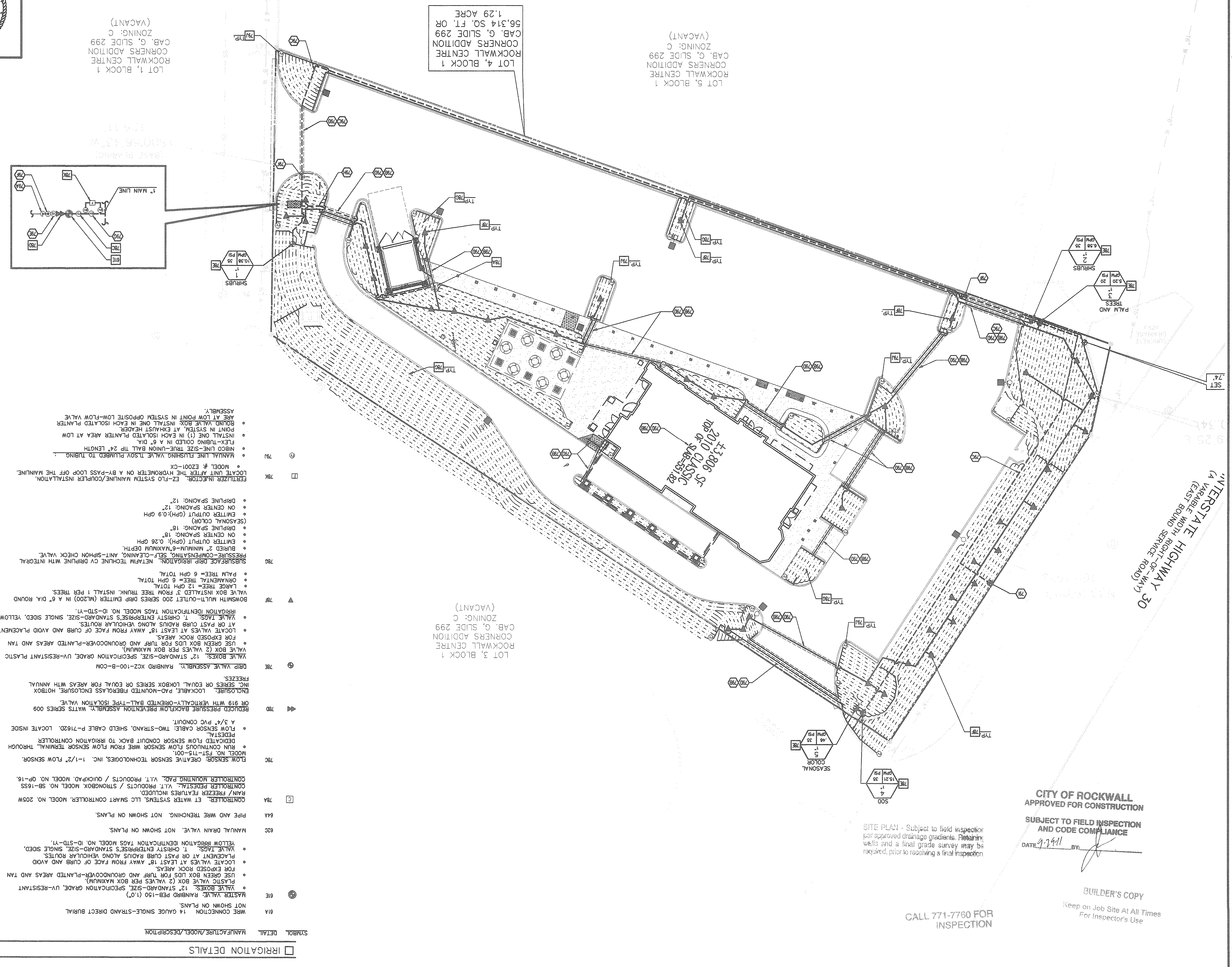
LEGEND

SCALE IN FEET

0 10 20 30 40

BEFORE YOU DIG CALL 1-800-245-5454 TEXAS ONE CALL SYSTEM

CONTROLING MONUMENT EAST SOUTH WEST BOUNDARY LINE NATURAL GAS SANITARY SENSER LINES WATER LINES SIGN MANHOLE OVERHEAD ELECTRIC X CUT DRAINAGE MANHOLE VAULT ELECTRIC FIBER HYDRANT SIGN-FIBER OPTIC MARKING WATER METER WATER VALVE DEED RECORDS GUARD POST GUY WIRE HANDICAPPED FACILITY PLAIN COUNTY, TEXAS COLLIN COUNTY, TEXAS PLAIN COUNTY, TEXAS



CITY OF ROCKWALL
 APPROVED FOR CONSTRUCTION

SUBJECT TO FIELD INSPECTION
 AND CODE COMPLIANCE

DATE: 9/29/11 BY: [Signature]

CALL 771-7760 FOR INSPECTION

KEEP ON JOB SITE AT ALL TIMES FOR INSPECTOR'S USE