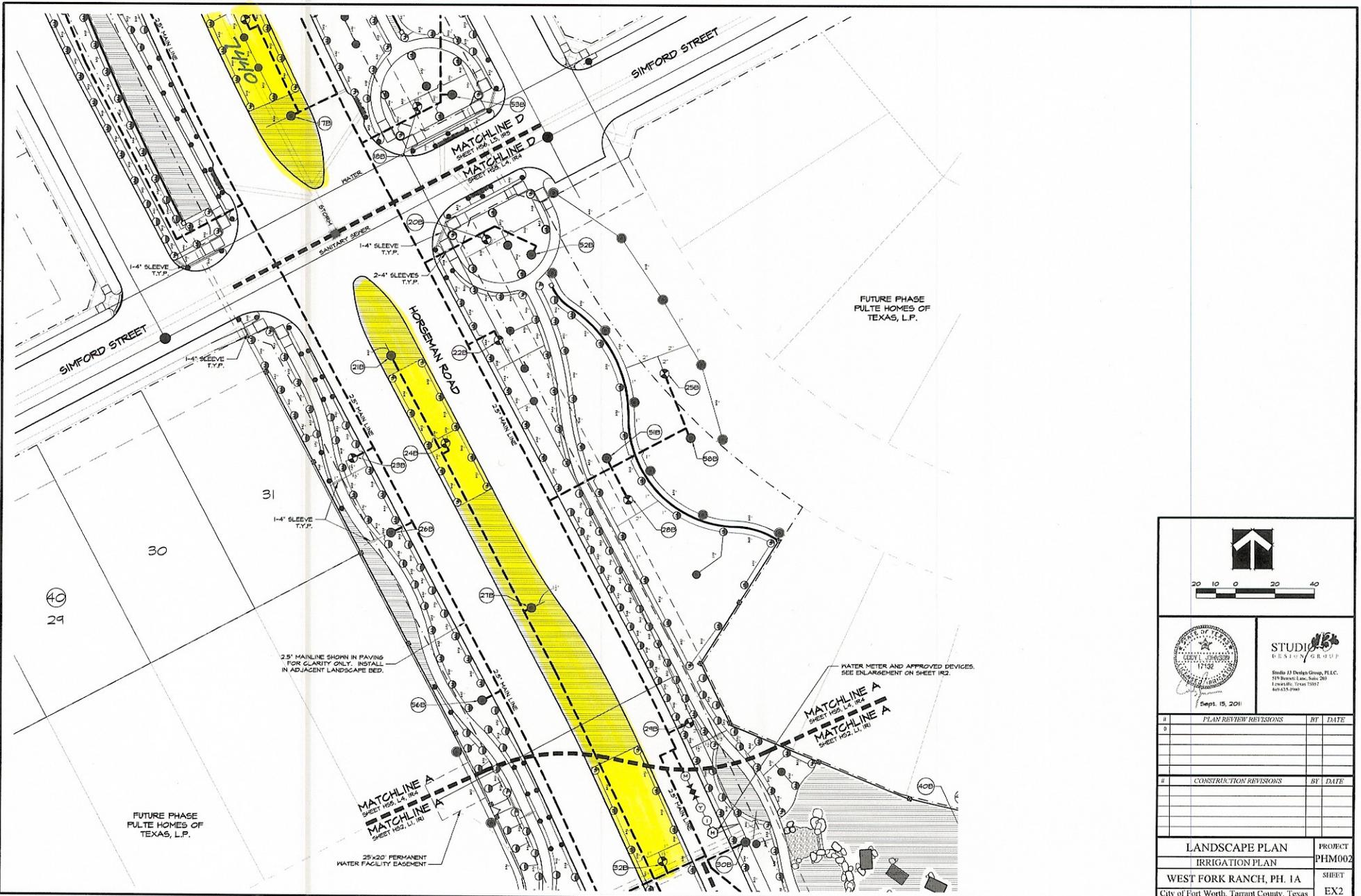


Exhibit 'A'



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Sept. 15, 2011



**STUDIO
DEXTON GROUP**

Studio J3 Design Group, P.L.L.C.
 510 Burnett Lane, Suite 201
 Lewisville, Texas 75057
 972-673-7960

PLAN REVIEW REVISIONS			BY	DATE
#	REVISION	DATE	BY	DATE
CONSTRUCTION REVISIONS			BY	DATE

LANDSCAPE PLAN	PROJECT
IRRIGATION PLAN	PHIM002
WEST FORK RANCH, PH. 1A	SHEET
City of Fort Worth, Tarrant County, Texas	EX2

Exhibit "A"



IRRIGATION LEGEND AND SCHEDULE

SYM	DESCRIPTION	MANUFACTURER	MODEL	SIZE / NOZZLE	NOTES
☐	AUTOMATIC CONTROLLER	HANTER	AS NOTED ON PLANS	N/A	INSTALL PER MANUFACTURERS STANDARDS. IN ADDITION, INSTALL FREEZE MAIN FREEZE SENSOR.
●	DRIP IRRIGATION CONTROL VALVE	HANTER	IC2	1"	INSTALL PER DETAIL IN 10' ROUND BOX w/ BOLT DOWN LID. ROUT AND PAINT VALVE NUMBER ON LID.
○	DRIP IRRIGATION	HANTER	FLD-ESD-06-10	N/A	INSTALL PER DETAIL w/ A MIN. OF 80 PSI AT OUTFLOW OF DRIP ZONE VALVE. BURY 6"-12" BELOW MULCH.
●	DRIP IRRIGATION	HANTER	AFD-ADJ BUDDLER	1/2"	INSTALL PER DETAIL w/ 80 PSI AT BASE OF HEAD.
●	REMOTE CONTROL VALVE	HANTER	ICV-1036 ICV-1516	Refer to Plan for Size	INSTALL PER DETAIL IN 10' ROUND BOX w/ BOLT DOWN LID. ROUT AND PAINT VALVE NUMBER ON LID.
⊕	LAWN ROTATOR	HANTER	1" ROTATOR	HP1000, HP3000, HP5000	INSTALL PER DETAIL w/ 40 PSI AT BASE OF HEAD
⊕	LAWN ROTATOR	HANTER	POP SERIES	1/4" No. 4 80 NOZZLES	INSTALL PER DETAIL w/ 40 PSI AT BASE OF HEAD. INSTALL LASCO P-200T SPRING JOINTS ON ALL ROTORS.
●	4" POP w/ GONDER STRIP	HANTER	STRIP SERIES	HP1000 IVORY HP3000 COPPER HP5000 BRONZ	INSTALL PER DETAIL w/ 40 PSI AT BASE OF HEAD
⊕	WATER METER	----	PER CITY	Refer to Plan for Size	INSTALLED BY GENERAL CONTRACTOR
⊕	DOUBLE CHECK VALVE	Felco	850-DV Series	Refer to Plan for Size	FURNISH AND INSTALL PER LOCAL CODE BY LICENSED IRRIGATION CONTRACTOR.
⊕	ISOLATION VALVE	Nisco	71-10	Line Size	INSTALL PER DETAIL IN 12" RT REGULAR BOX w/ BOLT DOWN LID. ROUT AND PAINT VALVE NUMBER ON LID.
⊕	PIE STRAINER	Felco	450	Refer to Plan for Size	INSTALL PER DETAIL IN 12" RT REGULAR BOX w/ BOLT DOWN LID. ROUT AND PAINT VALVE NUMBER ON LID.
⊕	MASTER VALVE	Hunter	ICV-1516	Refer to Plan for Size	INSTALL PER DETAIL IN 12" RT REGULAR BOX w/ BOLT DOWN LID. ROUT AND PAINT VALVE NUMBER ON LID.
---	IRRIGATION SLEEVE	----	SGH 40 w/ 1/2" SA. FULL PINE IN SLEEVE	Refer to Plan for Size	DRIVEWAY SLEEVES INSTALLED BY GENERAL CONTRACTOR. SPOUR/SLEEVES INSTALLED BY IRRIGATION CONTRACTOR.
---	IRRIGATION MAIN LINE	----	SGH 40	Refer to Plan for Size	18" INSTALLATION DEPTH
---	IRRIGATION LATERAL LINE	----	GLASS 200	Refer to Plan for Size	12" INSTALLATION DEPTH
---	Program and Station number for Automatic Controller	----	----	----	----
---	Valve size in inches	----	----	----	----
---	Bollons per minute, per valve	----	----	----	----

IRRIGATION NOTES:

- PROVIDE A COMPLETE, FUNCTIONING AUTOMATIC IRRIGATION SYSTEM INCLUDING LABOR, MATERIALS, FEES, TAXES, EQUIPMENT, AND OTHER COSTS INCIDENTAL TO ACQUISITION.
- ACQUIRE WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT OR LICENSED IRRIGATOR FOR MATERIAL SUBSTITUTES PRIOR TO COMMENCING THE INSTALLATION.
- LOCATE EXISTING UNDERGROUND UTILITIES OR OBSTACLES PRIOR TO COMMENCING INSTALLATION. REPAIR DAMAGE TO UTILITIES OR FINISHED RESULTS FROM WORK AT NO ADDITIONAL EXPENSE TO OWNER.
- PIPING IS DIAGRAMMATIC AND SHOWN FOR CLARITY ONLY. ADJUST AS REQUIRED FOR EXISTING UTILITIES, OBSTRUCTIONS, TREE ROOT BALLS, ETC. ALL MAINLINES SHOWN IN PAVING ARE FOR CLARITY ONLY AND SHALL BE INSTALLED IN ADJACENT LANDSCAPE AREAS.
- INSTALL WORK IN ACCORDANCE WITH APPLICABLE LOCAL CODES AND ORDINANCES.
- COORDINATE SLEEVE AND CONDUIT REQUIREMENTS WITH GENERAL CONTRACTOR. REFER TO CIVIL ENGINEERING PLANS FOR EXISTING SLEEVES UNDER ROADS.
- LOCATE EACH END OF IRRIGATION SLEEVES DIMENSIONALLY ON THE RECORD "AS BUILT" DRAWING.
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO PLANT MATERIAL DUE TO SYSTEM FAILURE FROM INTERFERE WORKMANSHIP DURING THE INSTALLATION OF PLANTS AND MAINTENANCE PERIOD.
- EXTEND ONE EXTRA CONTROL WIRE TO FARTHEST VALVE. ROUTED PARALLEL TO COMMON GROUND WIRE WITH INSTALLATION OF LEAD AND COMMON WIRES.
- CONTROL WIRE SHALL BE DIRECT BURIAL, 600 VOLT, SINGLE CONDUCTOR, SOLID COPPER PLASTIC INSULATED CABLE RATED FOR DIRECT BURIAL APPLICATIONS (IF UL APPROVED) 14 GAUGE MINIMUM LEAD AND COMMON GROUND RETURN WIRE UNLESS NOTED OTHERWISE. COLOR OF INSULATION AS FOLLOWS:
11. LEAD WIRE: ANY COLOR (SAME COLOR), EXCEPT WHITE OR ORANGE
12. COMMON GROUND WIRE: WHITE (COLOR)
13. EXTRA CONTROL WIRE: ORANGE (COLOR)
- IRRIGATION CONTRACTOR SHALL INSTALL IRRIGATION WHERE NOTED AS A TWO-WIRE SYSTEM PER HANTER SPECIFICATIONS. AS NOTED ON PLANS, SYSTEM 'A' AND 'B' SHALL BE TWO WIRE SYSTEMS.
- WHERE NOTED THAT THE IRRIGATION CONTRACTOR SHALL BE AN AGC-480 (SYSTEM 'B') WIRE SHALL BE 1/4" ANS CONTINUOUS WITH THE CLOSED LOOP MAIN LINE. 1/2" DECODERS SHALL BE UTILIZED.
- WHERE NOTED THAT THE IRRIGATION CONTRACTOR SHALL BE AN I-CORE WITH DUAL EXPANSION (SYSTEM 'A') TO CONVERT TO TWO-WIRE TECHNOLOGY, WIRE SHALL BE 1/4" ANS CONTINUOUS WITH THE CLOSED LOOP MAIN LINE. DUAL DECODERS AND SURGE ARRESTERS SHALL BE INSTALLED ON EACH ZONE VALVE. ALL P.V.C. PRESSURE MAIN LINE AND LATERAL LINES SHALL RECEIVE AS FOLLOWS:
27. 1" MINIMUM COVER FOR MAIN LINES
28. 12" MINIMUM COVER FOR LATERAL LINES
- MAKE FINAL ELECTRICAL CONNECTION OF CONTROLLER PER LOCAL ELECTRICAL CODE. PROVIDE ALL NECESSARY PIPING, CONDUIT, FITTINGS, CONNECTORS OR OTHER ELECTRICAL DEVICES TO MAKE CONNECTION. OWNER SHALL PROVIDE ELECTRICAL SERVICE WITHIN 10 LINEAR FEET OF CONTROLLER LOCATION UNLESS NOTED OTHERWISE ON DRAWINGS.
- CONNECT REMOTE SENSORS TO CONTROLLER WITH GROUND WIRE IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
- OWNER OR LANDSCAPE ARCHITECT SHALL DETERMINE FINAL CONTROLLER LOCATION.
- ALL P.V.C PIPE AND FITTINGS ARE TO BE PRIMED WITH PURPLE P.V.C PRIMER SOLVENT BEFORE APPLYING P.V.C CEMENT IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
- VALVES AND PIPING MAY BE SHOWN IN PAVING FOR CLARITY ONLY. IRRIGATION CONTRACTOR SHALL INSTALL COMPONENTS IN ADJACENT LANDSCAPE AREAS.
- ALL LATERAL LINES SHALL BE 3/4" CLASS 200 P.V.C UNLESS OTHERWISE NOTED ON PLANS.
- SLEEVES INTENDED FOR LATERAL LINES ARE TO BE ONE-FOUR INCH SLEEVE AND ARE TO BE NO MORE THAN A DEPTH OF TWO FEET BELOW TOP OF CURB. SLEEVES SHOULD EXTEND A MINIMUM OF 2'-0" BEYOND BACK OF CURB.
- SLEEVES INTENDED FOR THE 2" MAINLINE ARE TO BE TWO-FOUR INCH SLEEVES SIDE BY SIDE AND ARE TO BE NO MORE THAN A DEPTH OF TWO FEET BELOW TOP OF CURB. SLEEVES SHOULD EXTEND A MINIMUM OF 2'-0" BEYOND BACK OF CURB.
- 48 HOURS BEFORE IRRIGATION CONSTRUCTION BEGINS, IRRIGATION CONTRACTOR MUST CALL (800) DES-TESS.
- DRIP ZONES LABELED AS "OPEN" SHALL BE DEDICATED FOR THE USE OF THE IRRIGATION CONTRACTOR TO INSTALL DRIP EMBODERS ON EACH PROPOSED TREE PLANTING. THE IRRIGATION CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE CONTRACTOR FOR FINAL TREE LOCATIONS.







Sept. 15, 2011



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LANDSCAPE PLAN

IRRIGATION PLAN

WEST FORK RANCH, PH. 1A

City of Fort Worth, Tarrant County, Texas

PROJECT

PHM002

SHEET

EX3

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