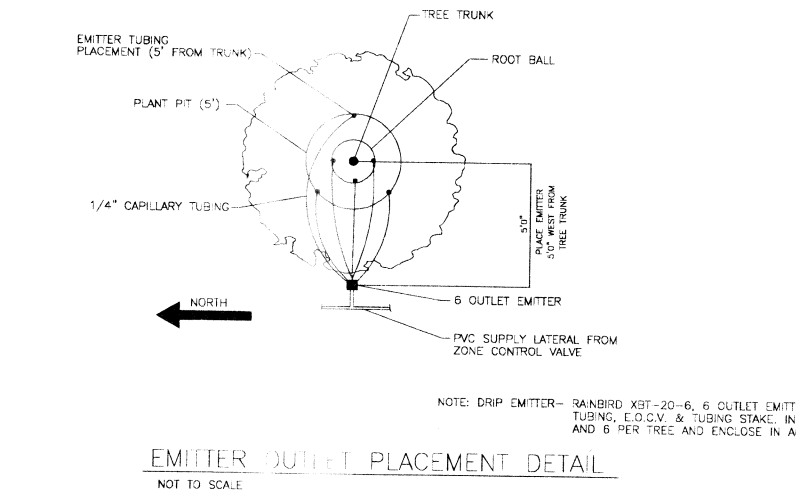
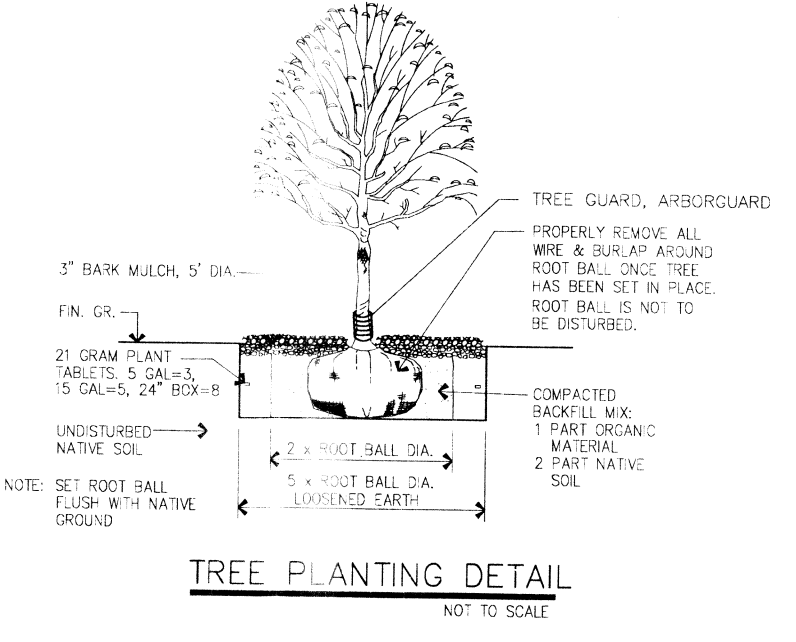


SCALE 1" = 30'



1. Keep soil below root ball undisturbed to prevent tree from settling.
2. Remove any excess soil from top of rootball to expose root flare (where top most root emerges from the trunk). Plant with root flare than finish grade 1"-2" higher.
3. Prior to backfilling, remove burrrip, rope, twine, and wire from sides and top of rootball, and from planting hole, cut any roots that are circling the container.
4. Tamp soil firmly around base of rootball with foot pressure.
5. At time of planting, only prune co-dominant leaders (does not apply to multi-trunk specimens), crossover limbs, and dead or broken branches.
6. Do not allow mulch in contact with the tree trunk. Keep at least 4" away from trunk.
7. When done, thoroughly water to eliminate air pockets.
8. Staking is not required - stake trees only if tree cannot stand alone and with approval of the designer. Contractor shall not stake all trees indiscriminately, approval must be obtained to stake trees.
9. With approval, provide min. 3 stakes/ tree (typ.) in a triangular pattern, staked into undisturbed soil with Clark's tree-stake kit or approved equal, remove after one growing season.
10. Top of root ball shall be level with top of mulch or bark. Mulch shall be feathered to full depth.

- GENERAL NOTES**
1. Trees planted in rocky, caliche and clay soils to have pit excavated 5 times the size of the rootball.
 2. Trees planted in rocky, caliche and clay soils to have 1/3 to 1/2 top soil blended with clay soil and used as backfill.
 3. Trees planted in rocky soil are to have all rocky material larger than 1" in size removed.

GRADED SLOPES TO BE NATIVE DESERT SEEDED (WITHOUT IRRIGATION), WITH THE INSTALLATION OF TURF REINFORCEMENT MAT (TRM) CONSISTING OF PROPEX LANDLOCK 300, LANDLOCK 450 OR EQUIVALENT ON SLOPES GREATER THAN 1.5:1.

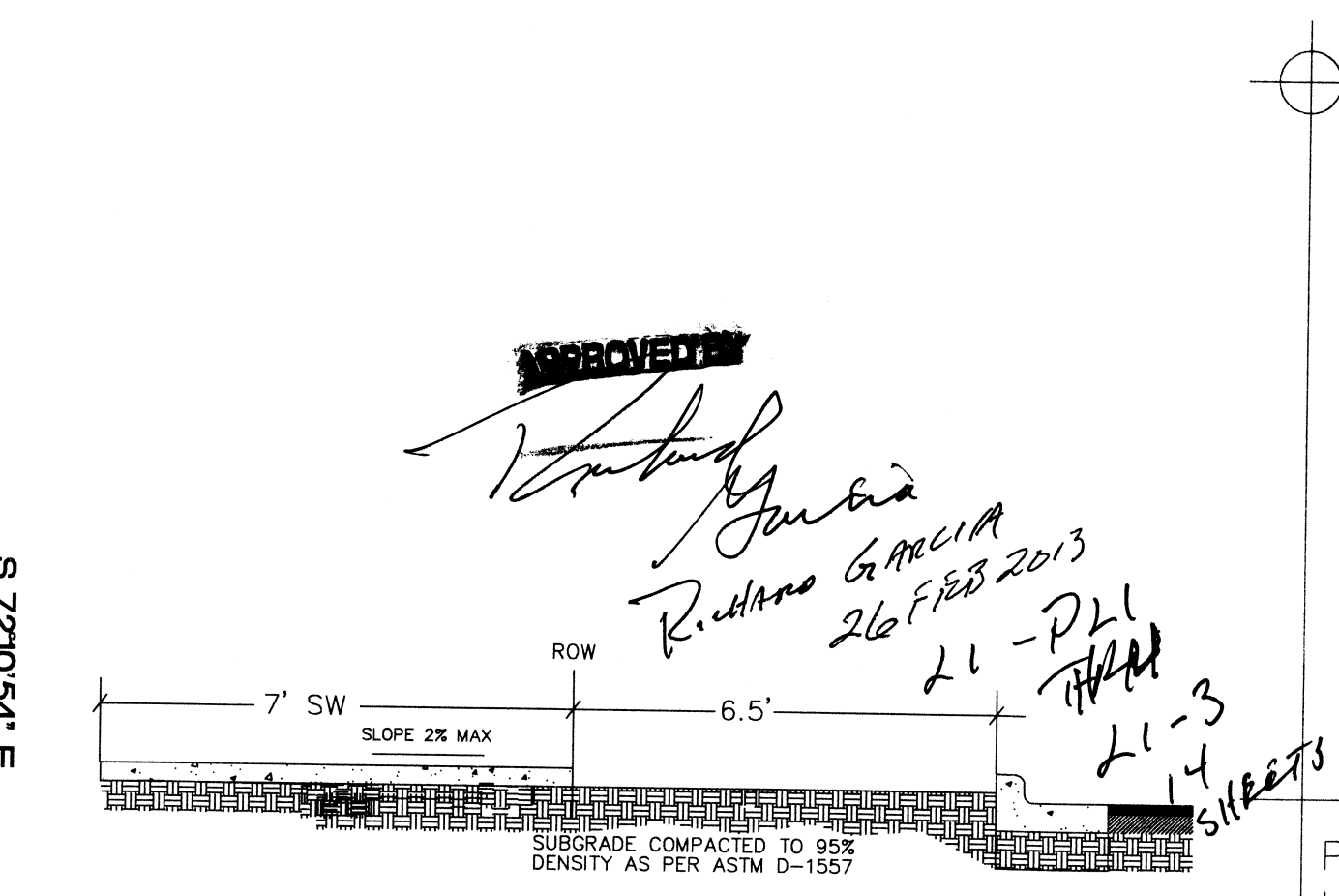
PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
(Tree Symbol)		21	FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
(Tree Symbol)		21	RAYWOOD ASH	FRAXINUS OXYCARPA	2"	10'		TREE	DECIDUOUS

GROUND COVERS			
(Concrete Path Symbol)	CONCRETE WALK PATH (15,260 SQ. FT.)		
(Rock Symbol)	CANYON RED ROCK W/NON WOVEN POLYPROPYLENE WEED BARRIER (14,445 SQ. FT.)	3/4"-1"	ROCK GROUND COVER 5" THICK

LANDSCAPE PLAN

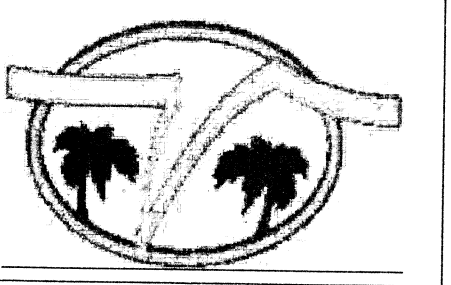
REDS 12/21/12
REDS 02/11/13
REDS 02/22/13

ENCHANTED HILLS UNIT 3 PARK SITE
7700 ENCHANTED PARK DRIVE
Being a portion of Tract 9A, Laura E. Mundy Survey No. 238
City of El Paso, El Paso, County, Texas
TBKA: All of Lots 39A and 39B, Block 17
Enchanted Hills Unit Three
(188,937 Sq. ft. or 4.3374 Ac.)

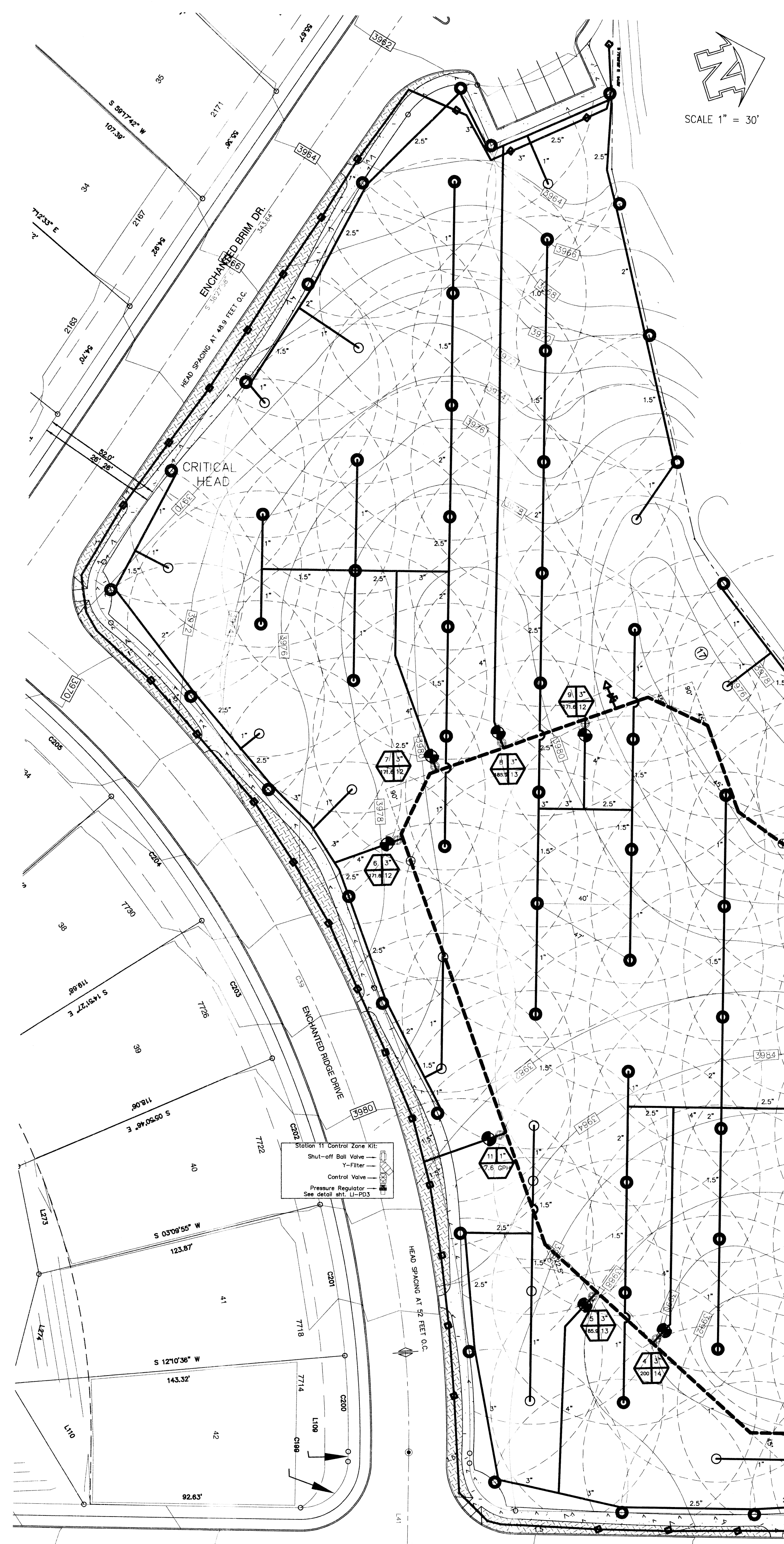


- NOTES:**
1. CONCRETE SIDEWALK SHALL BE 3000 P.S.I. MINIMUM AND 4" THICK.
 2. DUMMY JOINTS AT 5' ON CENTER FOR SIDEWALK.
 3. EXPANSION MATERIAL REQUIRED AT 20' O.C. FOR SIDEWALKS WITH 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
 4. SIDEWALK TO BE FINISHED 2" ABOVE ADJACENT FINISHED GRADE.

DOUBLE V
ENTERPRISES
8104 STAR AVENUE
EL PASO, TX 79907
(915) 858-7515



PARK
LANDSCAPE
Drawn by: TMI
Checked by: RV
PROJECT:
EH3120120706PARK
PHASE:
PRELIM-FINAL
Sheet no.
LI-PL1
Sheet no. 1 of 3



IRRIGATION LEGEND

	4" FIBCO 8250I MASTER SERIES REDUCED PRESSURE ASSEMBLY ENCLOSED IN TUFF SHED INSULATED STRUCTURE
	BRASS BALL ISOLATION VALVE IN CARSON H.D. 11X17 BOX
	4" WATER METER 315 GPM Flow Rate @ 55 PSI (INSTALLED BY DEVELOPER)
	WEATHERMATIC 8200CR-10 3" VALVE
	HUNTER RAIN-CLICK RAIN SENSOR MOUNTED ON 10" POLE
	ELECTRIC METER - INSTALL AT PUMP HOUSE
	RAINBIRD ESP-24 SAT T/W STATION CONTROLLER
	LATERAL PIPE (150 200 PSI PVC PIPE (SIZE AS NOTED ON PLAN))
	4" SCHEDULE 40 IPS PLASTIC PIPE UNLESS OTHERWISE NOTED
	1" BUCKNER DBL Lug QO Snap Lock w/Male Brass Stabilizer Elbow/with 11" x 17" purple boxes and bolt down covers. 1" Brass valve in separate box.
	HUNTER I-25 ULTRA STAINLESS STEEL GEAR DRIVEN ROTOR NOZZLES: #15 (GRAY) @ 60 PSI 14.3 GPM 57" Radius
	PUMP - BERKELEY 02-1/2ZRM 15 HP 356 GPM 110 FT. OF HD. OR EQUAL
	A) VALVE # B) VALVE SIZE C) GPMs D) HEADS
	PUMP HOUSE TO BE LARGE ENOUGH TO HOUSE PUMP AND BACKFLOW
	PVC BALL VALVE SIZE SAME
	MULTI-PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 SERIES OR EQUAL
	HUNTER I-25 ULTRA STAINLESS STEEL GEAR DRIVEN ROTOR NOZZLES: #15 (GRAY) @ 60 PSI 14.3 GPM 57" Radius

CITY PARK WATERING JUNE (100%) SCHEDULE

CIRCUIT A	STA 1 157.3 GPM STA 3 200.0 GPM	TOTAL 357.3 GPM	99 MIN., 3 TIMES PER WEEK
CIRCUIT B	STA 2 185.9 GPM STA 6 171.6 GPM	TOTAL 357.5 GPM	50 MIN., 3 TIMES PER WEEK
CIRCUIT C	STA 4 200 GPM	TOTAL 200 GPM	99 MIN., 3 TIMES PER WEEK
CIRCUIT D	STA 5 185.9 GPM STA 10 171.6 GPM	TOTAL 357.5 GPM	50 MIN., 3 TIMES PER WEEK
CIRCUIT E	STA 7 171.6 GPM STA 9 171.6 GPM	TOTAL 343.2 GPM	99 MIN., 3 TIMES PER WEEK
CIRCUIT F	STA 8 185.9 GPM	TOTAL 185.9 GPM	50 MIN., 3 TIMES PER WEEK
DRIP LINE	STA 12 7.6 GPM	60 MIN., 3 TIMES PER WEEK	
TOTAL 1801.4 GPM @ 447 MIN., OR 7 HOURS 27 MINUTES TOTAL RUN TIME			

CITY PARK PRECIPITATION SCHEDULE

STATION NO.	TOTAL GPM	PRECIPITATION RATE	WATERING REQUIREMENTS	HEAD TYPE	NO. OF HEADS	NOZZLE SIZE	VALVE SIZE	WATERING SCHEDULE
1	157.3	0.73 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	11	#15	3"	33 MIN., 3 DAYS PER WEEK
2	185.9	1.44 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	13	#15	3"	16 MIN. 40 SEC., 3 DAYS PER WEEK
3	200	0.73 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	14	#15	3"	33 MIN., 3 DAYS PER WEEK
4	200	0.73 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	12	#15	3"	33 MIN., 3 DAYS PER WEEK
5	185.9	1.44 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	13	#15	3"	16 MIN. 40 SEC., 3 DAYS PER WEEK
6	171.6	1.44 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	12	#15	3"	16 MIN. 40 SEC., 3 DAYS PER WEEK
7	171.6	0.73 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	12	#15	3"	33 MIN., 3 DAYS PER WEEK
8	185.9	1.44 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	13	#15	3"	16 MIN. 40 SEC., 3 DAYS PER WEEK
9	171.6	0.73 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	12	#15	3"	33 MIN., 3 DAYS PER WEEK
10	171.6	1.44 IN/HR	50 MINS PER DAY FOR AN APPLICATION OF 1.2" PER DAY	ADJ.	12	#15	3"	16 MIN. 40 SEC., 3 DAYS PER WEEK
11	7.6 GPM		DRIP					20 MIN., 3 DAYS PER WEEK

PRECIPITATION RATE CALCULATIONS:

$P.R. (in./hr.) = GPM \times 96.25 = 14.3 \times 96.25 = 1376.375 = 0.73 \text{ in./hr. Full Circles}$
 (Head Spacing x Row Spacing) x .866 = (47 x 40) = 1880

$P.R. (in./hr.) = GPM \times 96.25 = 14.3 \times 96.25 = 1376.375 = 1.44 \text{ in./hr. Half Circles}$
 (Head Spacing, ft. squared) x .433 = (2209 x .433) = 956.50

KEYED NOTES

1. Irrigation system top point: verify 60 psi and 357.3 gpm (pump will be required). Notify owner in writing if the above criteria not met.
2. Controller Location: 110V Power by Developer. Coordinate exact location in field.
3. Coordinate with contractor for enclosures on backflow.
4. Contractor required to apply for and obtain all permits (irrigation, building and electrical) and pass all inspections. Provide anchor detail at time of permitting.

IRRIGATION NOTES

1. Testing:
 - a. Pressure Test Main Line - after all main line piping, related work and installation of all irrigation remote control valves is completed for a period of 24-hours. Test main water line at 50 psi above static pressure of design pressure, based on highest value, with a maximum loss of 1% to pass. Water main must be pressurized hydraulically and not pneumatically.
 - b. Pressure Test Lateral Lines - for a period of 2-hours, test lateral lines at static or design pressure, based on highest value, with a maximum loss of 2% to pass. Lateral lines must be pressurized hydraulically.
 - c. The main line pressure test must be conducted by a Licensed Irrigation Inspector, and Parks Department Representative.
 - d. Perform system testing upon completion of each section. Make necessary repairs and re-test repaired sections as required.
 - e. The main line pressure test must be conducted by a Licensed Irrigation Inspector, and Parks Department Representative.
2. For additional irrigation requirements not set forth here, use the approved Parks Design and Construction Guidelines.

MATERIALS

- A. General:
 1. Provide only new material, without flaws or defects of the highest quality of their specified class and kind.
 2. Comply with pipe sizes indicated. No substitution of smaller pipes will be permitted. Larger pipe sizes may be used subject to acceptance by the Designer (Landscape Architect) and Parks and Recreation Staff. Remove damage and defective pipe from the site immediately.
 3. Provide pipe continuously and permanently marked with manufacturer's name or trademark, size, schedule, type of pipe, working pressure at 73 degrees F., and National Sanitation Foundation (NSF) approval.
- B. Plastic:
 1. Polyvinyl chloride pipe: ASTM D2241, rigid, un-plasticized PVC, extruded from virgin parent material. Provide pipe homogeneous throughout and free from visible cracks, holes, foreign materials, blisters, wrinkles, and dents.
 - a. Distribution laterals: SDR 21, Class 200.
 - b. Pressure mains: PVC Schedule 40 IPS Plastic Pipe for 4-inch or smaller main lines.
 - c. Pressure mains: PVC Class 200 IPS Plastic Pipe for main lines larger than 4-inch.
 2. PVC Pipe Fittings: ASTM D2241 Schedule 40 PVC molded fittings suitable for solvent weld, or screwed connections. Fittings made of other materials are not permitted.
 - a. Size slip fitting socket and taper to permit a dry un-softened pipe end to be inserted no more than halfway into the socket. Saddle fittings are not permitted.
 - b. Schedule 80 PVC pipe may be threaded.
 - c. Use male adapters for plastic to metal connections. Hand tighten male adapters plus one turn with a strap wrench.
 3. Insert fittings: ASTM D2466 insert type fittings.
 - a. Saddle and cross fittings not permitted.

GENERAL NOTES

Contractor shall contact all utility companies & Park Dept. before any trenching operation, to locate and mark their lines in the area of work. Electrical wire splices will not be permitted between controller and valves, all connections will be made in valve boxes only. No splices will be buried. All manual valves shall be placed in valve boxes, placed at proper depth in relation to finish grade.

All electrical valves shall be installed in plastic valve boxes with locking covers. Valve boxes shall be manufactured by Corson Industries, model series 1419 box with 1419-28 hinged cover, bolt down.

Actual conditions in the field may necessitate adding or adjusting heads to insure uniform coverage and distribution, contractor shall be responsible for field changes with Landscape Designer, Licensed Irrigator and Parks Dept.

Contractor will not willfully install the irrigation system as designed, when it is obvious that field conditions exist that were not considered at time of designing the system. Any conditions noted as such shall be reported to the Landscape Designer, Licensed Irrigator and Parks Dept. If the contractor fails to do so, the contractor assumes full responsibility for any corrections needed.

All valves shall be tagged with a waterproof tag at each valve showing valve number and controller number as shown on plan. Label all wiring at controllers and panel. Location of drip emitters shall be installed exactly as shown on plans. Piping and valves are diagrammatically shown and may vary with approval from Landscape Designer, Licensed Irrigator and Parks Dept.

All access boxes for drip emitters shall be installed flush with grade.

All access boxes, valve boxes and sprinkler heads along walkways within interior grounds of the site shall be installed min. 6" from the edge of all walkways to the back of the sprinkler head or valve box.

Meter shown within right-of-way for clarity only.

Each irrigation controller shall have an independent common wire of any other irrigation controller.

All trenching shall be a 10"-6" min. distance from the center of the trunk of any drip distribution tubing shall be placed in a circular pattern around the trunk of each tree, min. 24" from the trunk. Use 1/4" tubing stake at each tube to hold the end of the tubing in place.

All unsuitable excavated materials from trenches shall be removed from the project site. Approved backfill shall be used to backfill trenches.

Contractor shall verify the exact location of all existing and proposed utilities and all site conditions prior to beginning construction. Any damage caused by the Contractor shall be repaired or replaced at no additional cost to owner.

Locate all heads and valves away from low spots or areas of drainage flow.

Electric control wire (#14 gauge) and common ground (#12 gauge) shall be direct burial, color coded and all connections shall be waterproofed. Provide expansion coils at all valves and 200' on center maximum. Provide separate common wire for each controller. No splicing will be permitted between valve and controller.

All piping/wiring running beneath paved surfaces (driveways, sidewalks, etc.) shall be installed in Class 200 PVC sleeve. Sleeve shall be of the size so that the inside diameter of the sleeve is 2 times greater than that of the outer diameter of the item installed in the sleeve.

Sleeves must extend 24" beyond edge of paved or concrete surfaces and ends wrapped and taped with 4 mil plastic.

Contractor shall fine tune and adjust the irrigation system so that no water/spray will run onto street, walks, or hit any building, walls, etc. This shall include adjusting heads, nozzles, spray arcs, radius, etc.

Contractor shall provide the owner with as-built drawings on mylar prior to approval of final payment.

Use only Losco fitting on all 45's and tees.

Remove non-biodegradable netting from sod during installation.

LOTS 39A 7 39B, BLOCK 17 STATIC/DESIGN PRESSURE 55/93 PSI PRESSURE LOSS CALCULATIONS: STATION 2 SECTION 171.6 GPM

4" Type 'K' Copper 35' @ 357.5 gpm from P.O.C to F.Curb (Assumed)	1.32 Psi Loss
4" Water meter @ 357.5 gpm (STA. 2 & 6)	10.63 Psi Loss
4" Type 'K' Copper 25' @ 357.5 gpm (STA. 2 & 6)	0.75 Psi Loss
4" FIBCO 860 Backflow @ 357.5 gpm (STA. 2 & 6)	12.00 Psi Loss
6" C150 200 PSI PVC Pipe 100' @ 357.5 gpm (STA 2 & 6)	0.38 Psi Loss
4" C150 SCHEDULE 40 PVC Pipe 645' @ 357.5 gpm (looped)	8.59 Psi Loss
3" Weathermatic 8200 CR-10 Valve @ 171.6 gpm	3.51 Psi Loss
4" C150 200 PSI PVC Pipe 35' @ 171.6 gpm	0.23 Psi Loss
3" C150 200 PSI PVC Pipe 42' @ 100.1 gpm	0.33 Psi Loss
2.5" C150 200 PSI PVC Pipe 52' @ 71.5 gpm	0.59 Psi Loss
2.5" C 150 200 PSI PVC Pipe 52' @ 57.2 gpm	0.39 Psi Loss
2" C 150 200 PSI PVC Pipe 56' @ 42.9 gpm	0.69 Psi Loss
1 1/2" C 150 200 PSI PVC Pipe 20' @ 28.6 gpm	0.33 Psi Loss
1" C 150 200 PSI PVC Pipe 38' @ 14.3 gpm	1.00 Psi Loss
ELEVATION GAIN 14' X .433	(6.00 Psi Gain)
TOTAL PRESSURE LOSS	34.74 Psi Loss
AVAILABLE PRESSURE LESS THE LOSS (60-34.74)	25.26 Psi
PRESSURE REQUIRED AT CRITICAL HEAD	60.00 Psi
* Pump requirements (psi at critical head less available) 60-25.26=34.74 psi 34.74 psi x 2.31 ft. hd. = 80.25 (add 10%) = 88.27ft. hd. @ 360 GPM	

Wind Deration for Rotary Sprinklers Spacing with wind deration as follows:

Miles/Hour	Multiply Diameter in Table by:
5	.55
10	.50
15	.45

Efficient Triangular Spacing Design
 Design spacing = 57' radius x 2 = 114' x .50 = 57' (Head to Head coverage)
 Row spacing = Design spacing (57') x .866 = 49.4

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 Chapter 344 - Landscape Irrigation
 Subchapter A - Definitions
 344.1. Definitions
 (44) WATER CONSERVATION - The design, installation, service, and operation of an irrigation system in a manner that prevents the waste of water, promotes the efficient use of water, and applies the least amount of water that is required to maintain healthy individual plant material or turf, reduce dust, and control erosion.

Triangular Spacing Design as per Parks requirements (10' minimum overspray)
 Design spacing = 57' radius - 10' = 47'
 Row spacing = Design spacing (47') x .866 = 40.7'

This design is based on the City of El Paso approved Parks Department Design Standards adopted June 3rd, 2008.

IRRIGATION PLAN

Irrigation in Texas is regulated by the Texas Commission on Environmental Quality (TCEQ) (MC-178), P.O. Box 13087, Austin, Texas 78711-3087. TCEQ's web site is: www.tceq.state.tx.us.

REDS 12/21/12
 REDS 02/11/13
 REDS 02/22/13
 REDS 02/25/13

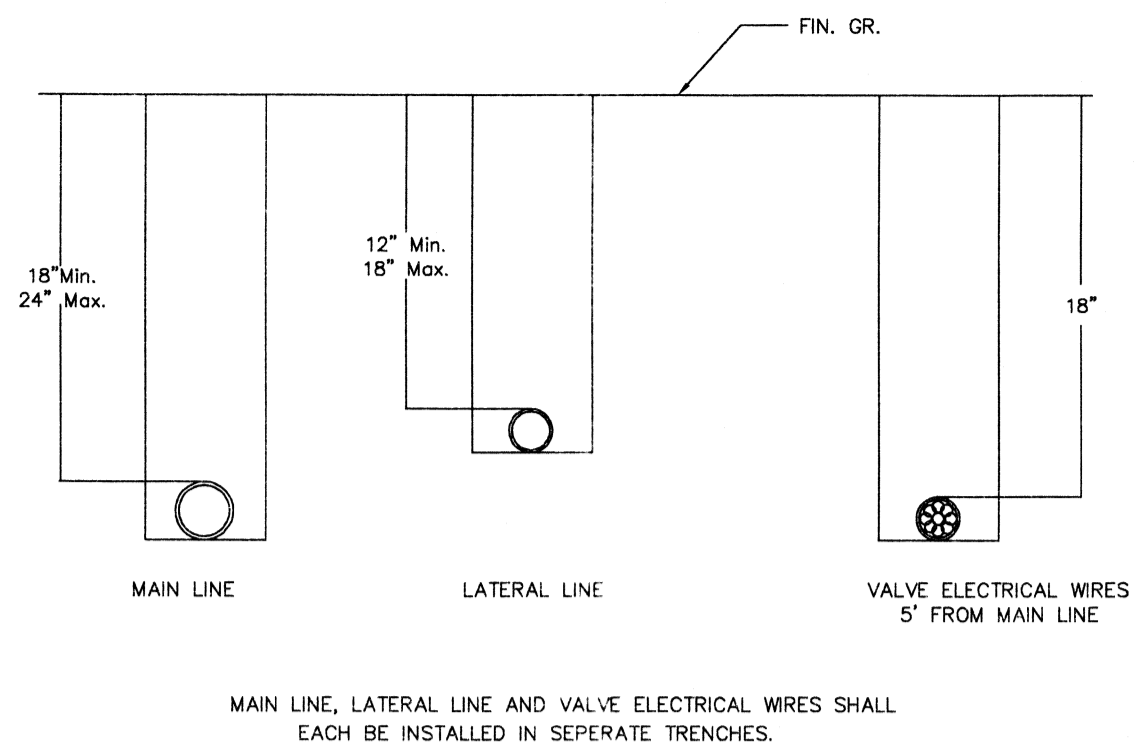
ENCHANTED HILLS UNIT 3 PARK SITE
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 Being a portion of Tract 9A, Laura E. Mundy Survey No. 238
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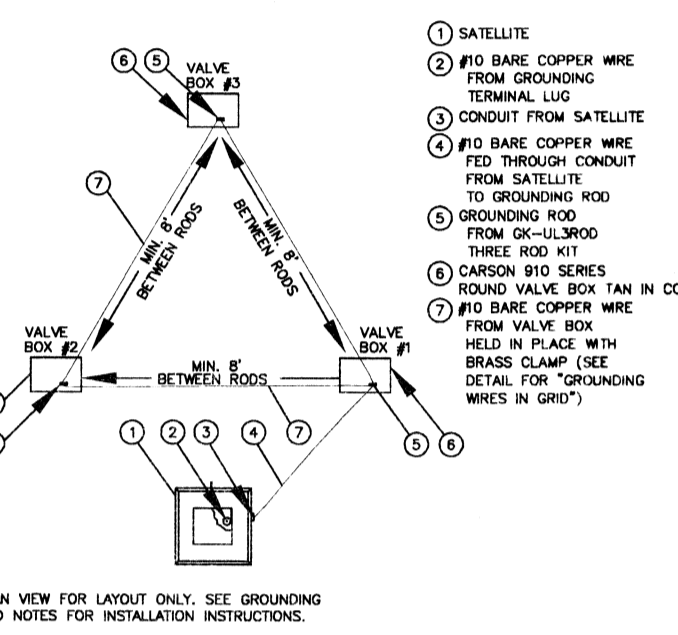
DOUBLE V ENTERPRISES
 8104 STAR AVENUE
 EL PASO, TX 79907
 (915) 858-7515

PARK IRRIGATION
 Drawn by: TMI
 Checked by: RV
 PROJECT: EH3LI20120709PARK
 PHASE: PRELIM-FINAL

Sheet no. LI-PI2
 Sheet no. 2 of 3



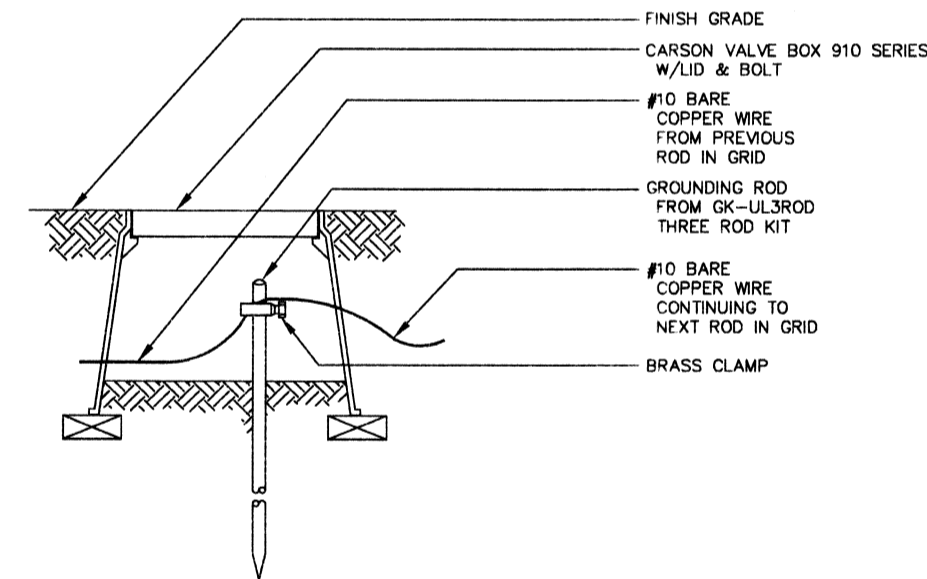
TRENCHING STANDARD DETAIL
NOT TO SCALE



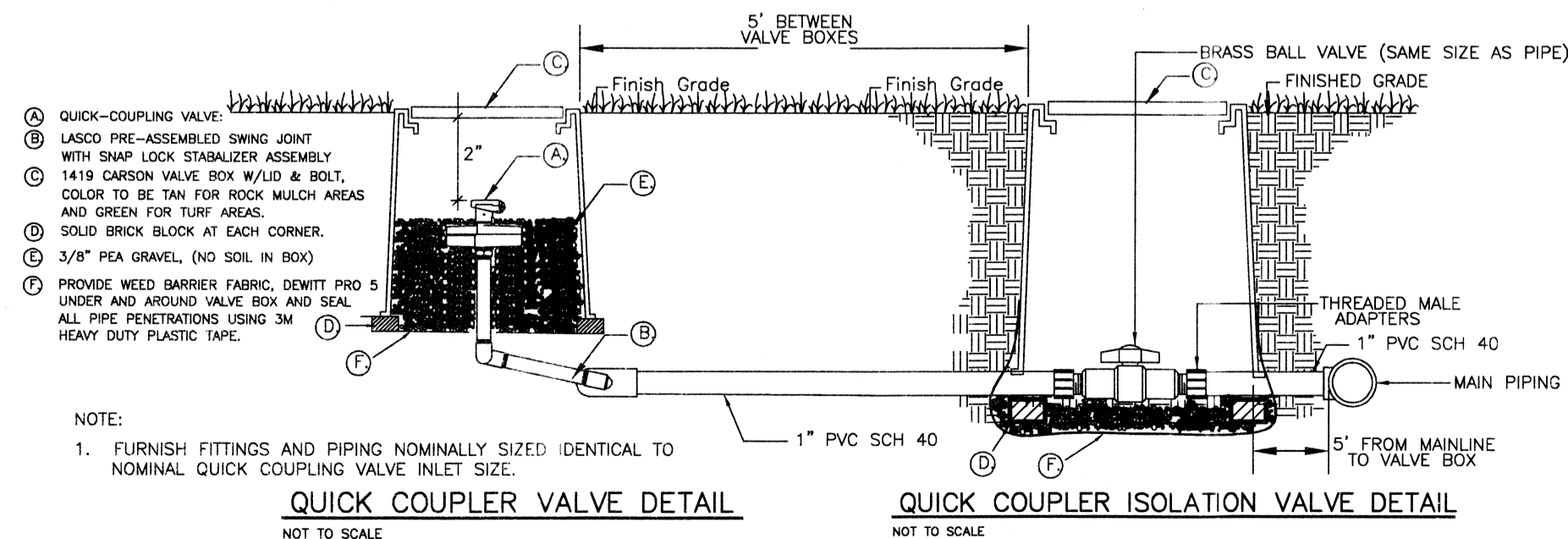
TRIANGULAR GROUNDING GRID PLAN VIEW
NOT TO SCALE

GROUNDING ROD NOTES:

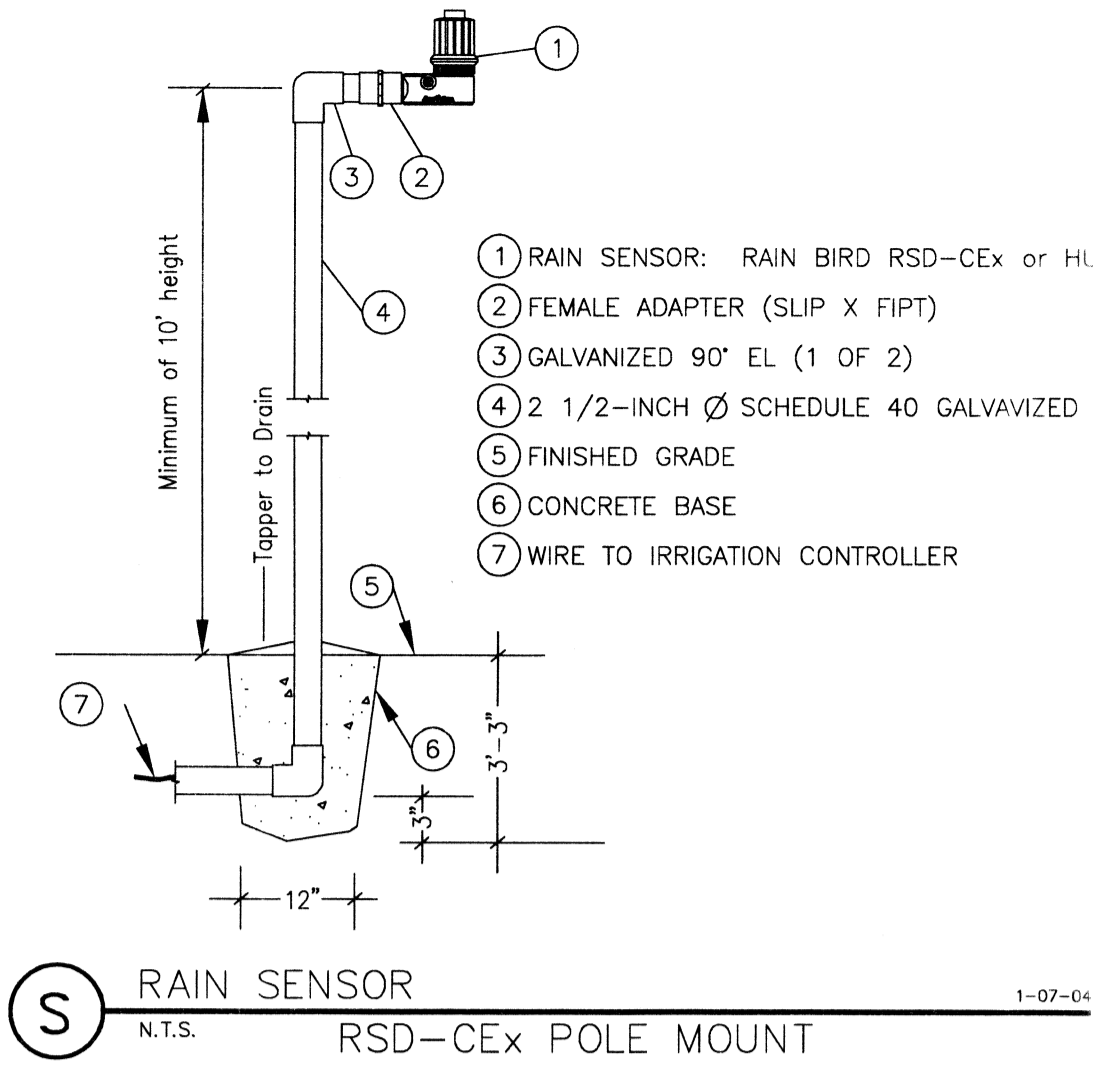
- ALWAYS USE A 5/8-INCH X 8-FOOT COPPER CLAD ROD.
- RUN A #10 OR LARGER BARE COPPER WIRE FROM THE DEVICE TO THE ROD.
- KEEP THE GROUND WIRES AS SHORT AND STRAIGHT AS POSSIBLE FROM THE DEVICE TO THE FIRST ROD.
- CLAMP ALL WIRES TO THE GROUNDING ROD. DO NOT SOLDER OR TAP THEM TO THE ROD.
- ALWAYS USE A SEPARATE CLAMP TO ATTACH EACH WIRE TO A ROD.
- TO INSTALL GROUNDING ROD, USE GK-TOOLS ROD DRIVING SLEEVE.
- SPACE THREE RODS IN A TRIANGULAR GRID AT LEAST 8 FEET APART FROM THE OTHERS IN THE GRID. CONNECT ALL THREE RODS WITH A SOLID #10 COPPER WIRE.
- WHEN TESTED WITH THE PROPER EQUIPMENT, GRIDS SHOULD HAVE AN EARTH RESISTANCE NO GREATER THAN 15 OHMS.
- WHENEVER MORE THAN ONE WIRE IS ATTACHED TO A GROUNDING ROD ALWAYS USE A SEPARATE CLAMP FOR EACH WIRE. TRYING TO INSTALL MORE THAN ONE WIRE PER CLAMP COULD CAUSE A POOR CONNECTION RESULTING IN HIGH RESISTANCE LEVELS.



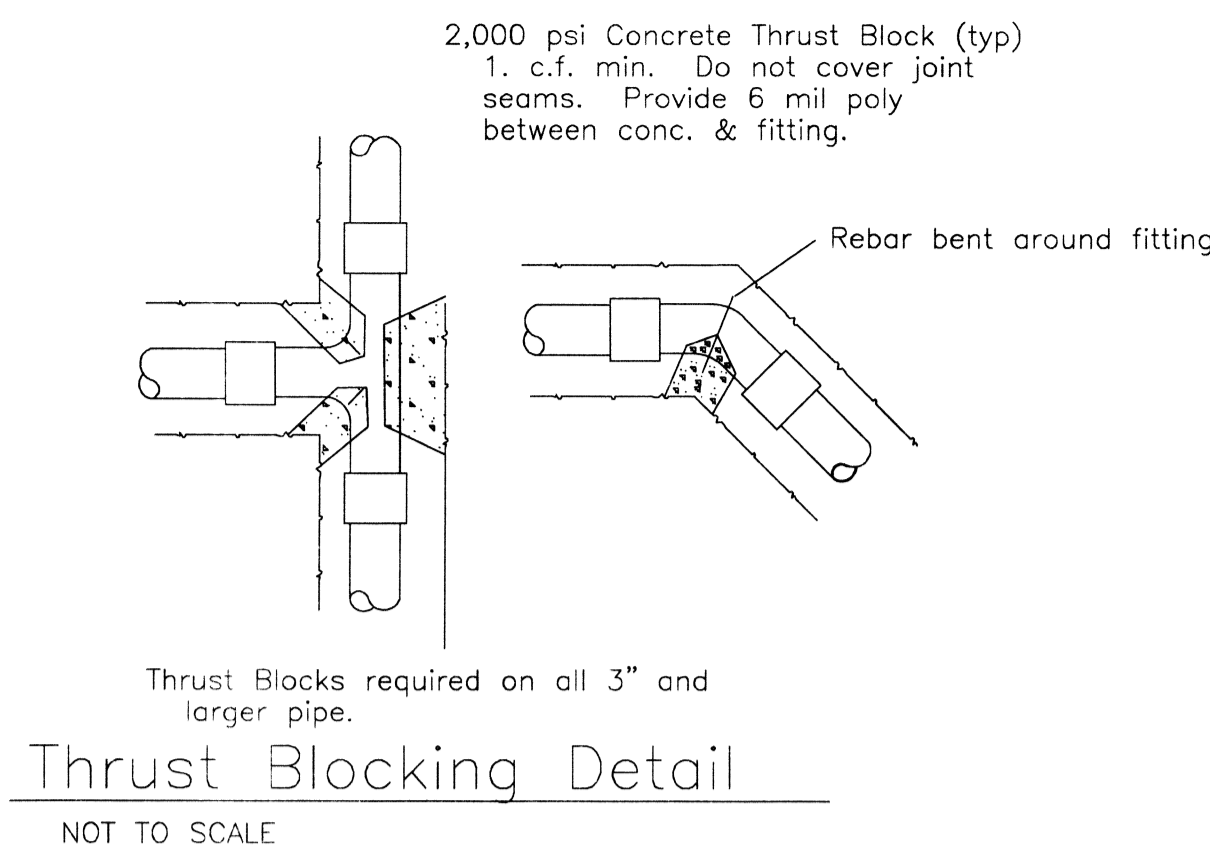
GROUNDING WIRES IN GRID DETAIL
NOT TO SCALE



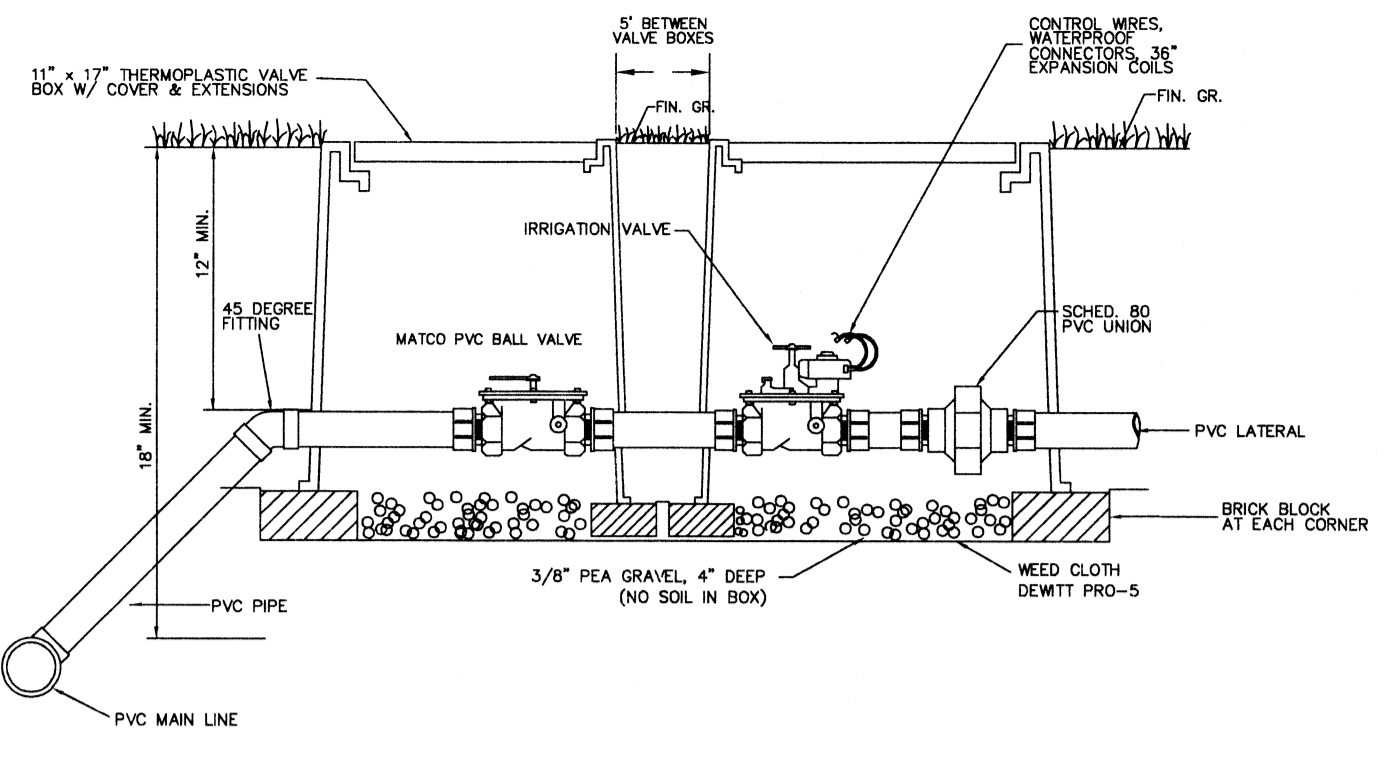
QUICK COUPLER VALVE DETAIL
NOT TO SCALE



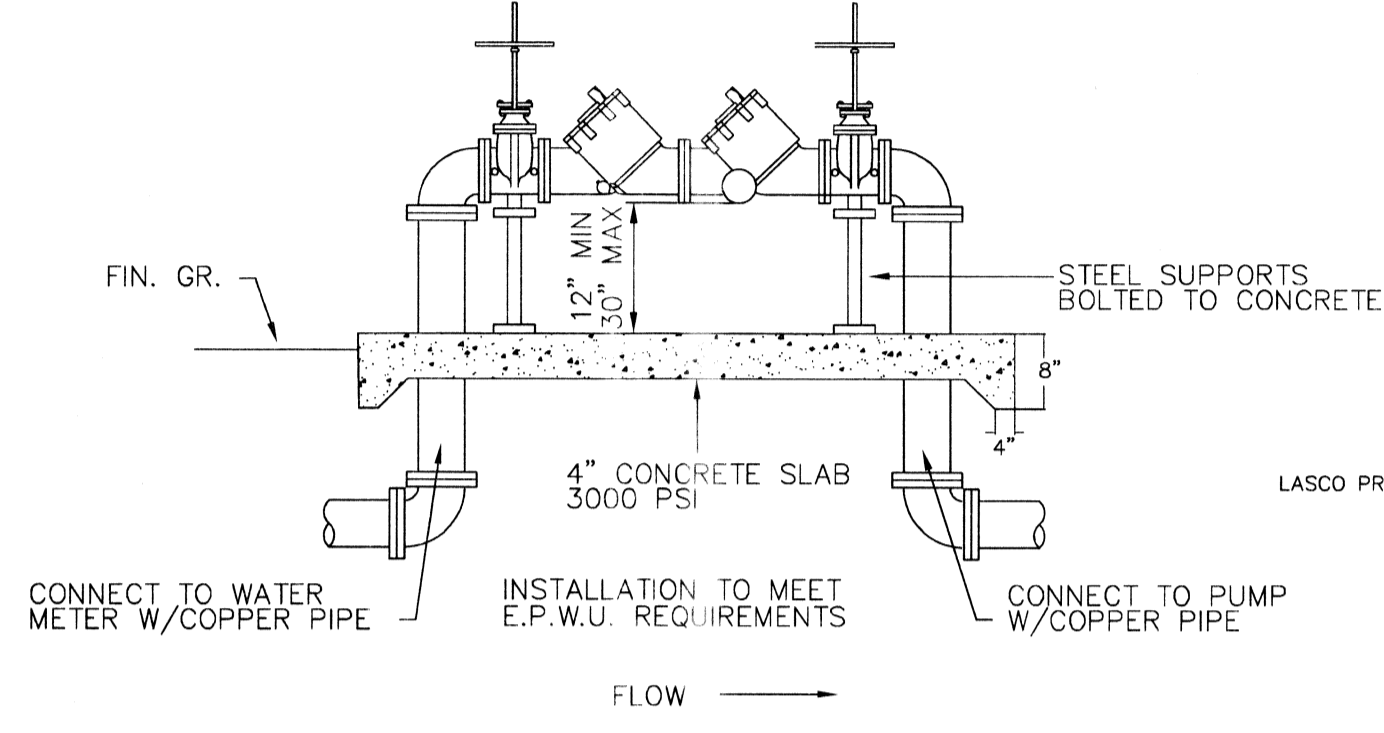
RAIN SENSOR RSD-CEX POLE MOUNT
NOT TO SCALE



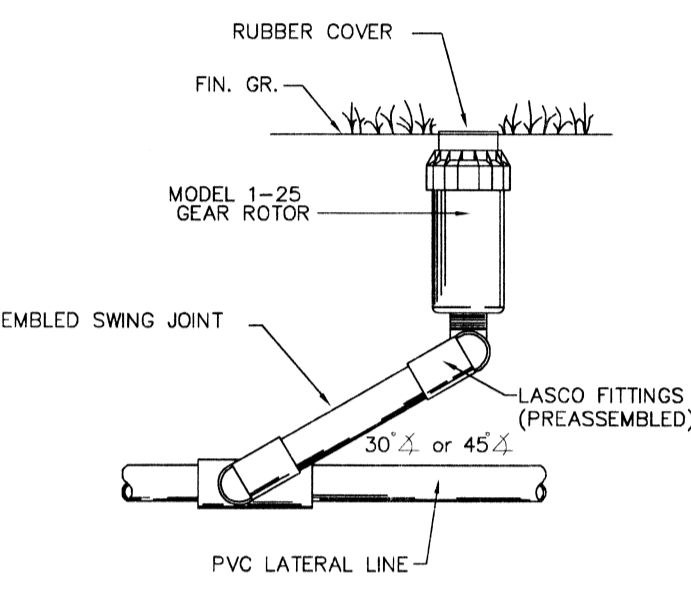
Thrust Blocking Detail
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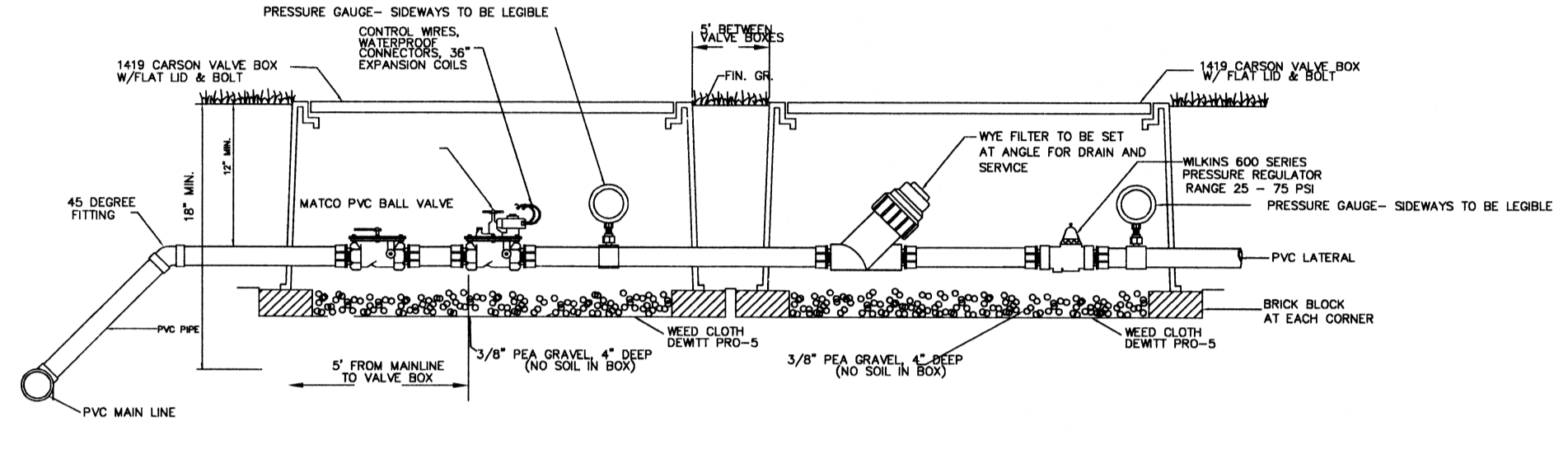
ELECTRIC CONTROL VALVE DETAIL
NOT TO SCALE



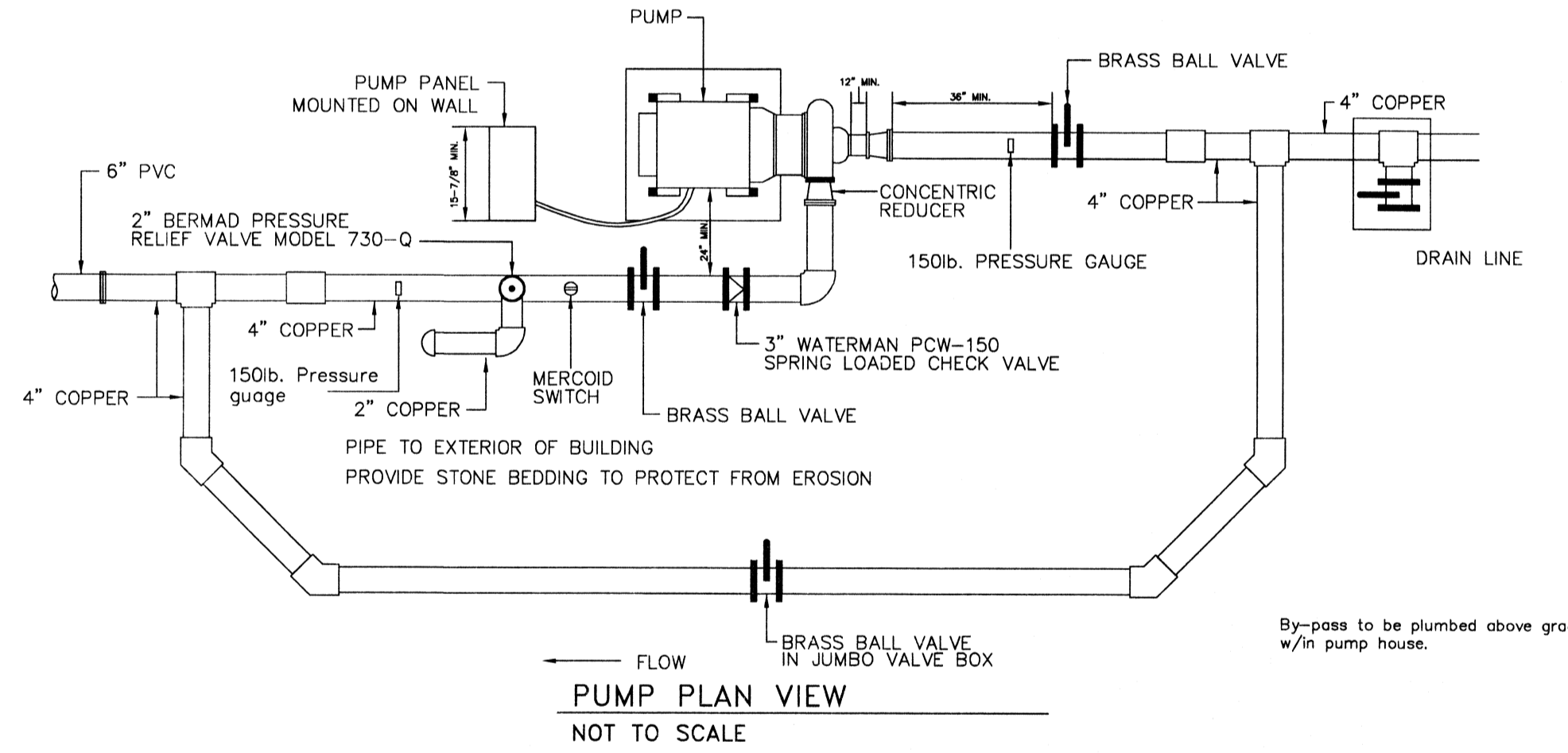
REDUCED PRESSURE B.F.P DETAIL
NOT TO SCALE



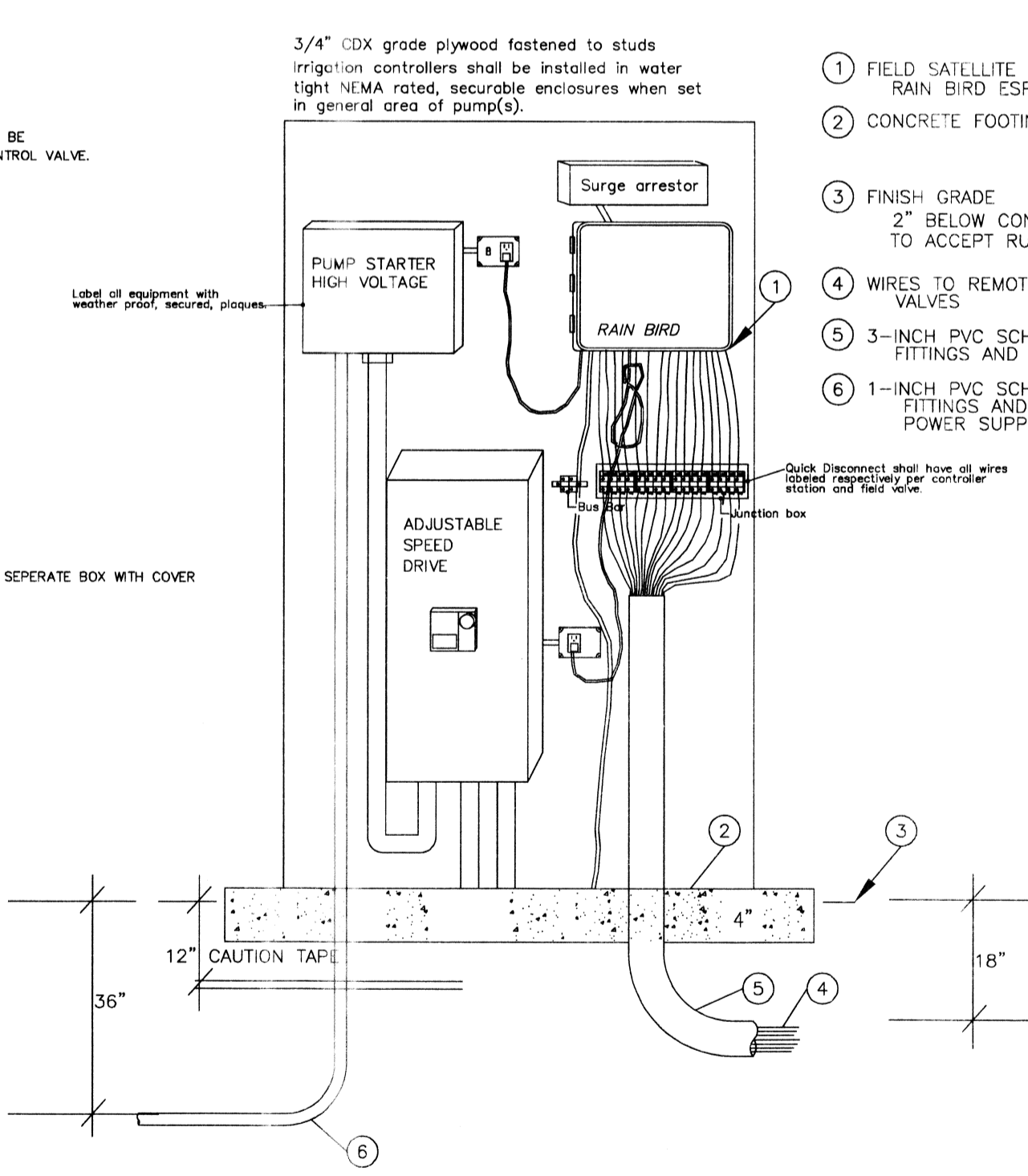
1-25 GEAR DRIVE DETAIL
NOT TO SCALE



ELECTRIC CONTROL VALVE W/ FILTER & PRESSURE REGULATOR DETAIL
NOT TO SCALE

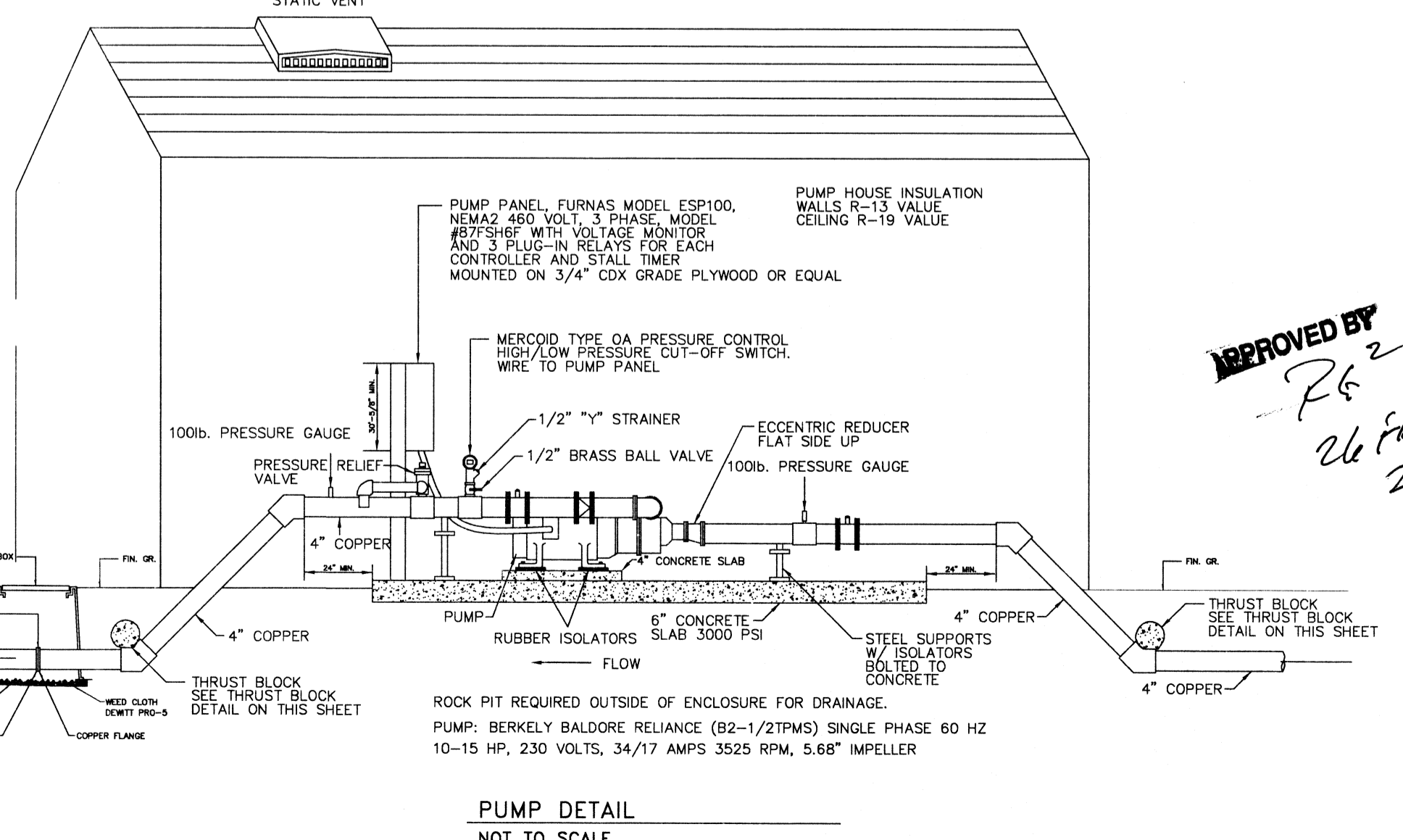


PUMP PLAN VIEW
NOT TO SCALE



TYPICAL PUMP, CONTROLLER PANEL INSIDE PUMP HOUSE
NOT TO SCALE

- PUMPS**
- Pump start relay shall be installed as required to meet pressure demands of system.
 - Pump relays shall be minimum of 8' from irrigation controller.
 - Pump control wiring shall be on a separate circuit.
 - Pumps shall be installed with high-pressure and low-pressure limit switches, relief valves, and pressure gauges on inlet and outlet sides of pump.
 - Pumps shall be installed with cutoff valves on inlet and outlet sides.
 - Pumps shall be installed with bypass piping and isolation valve.
 - Pump houses shall be properly vented and allow for drainage to exterior of building.
 - Pump relief valves shall be vented to exterior of pump houses.
 - Irrigation controllers shall be installed in water tight NEMA rated, securable enclosures when set in general area of pump(s).
 - All electrical equipment and panels to be labeled with weather proof, permanent labels or placards that are fastened to electrical panels.

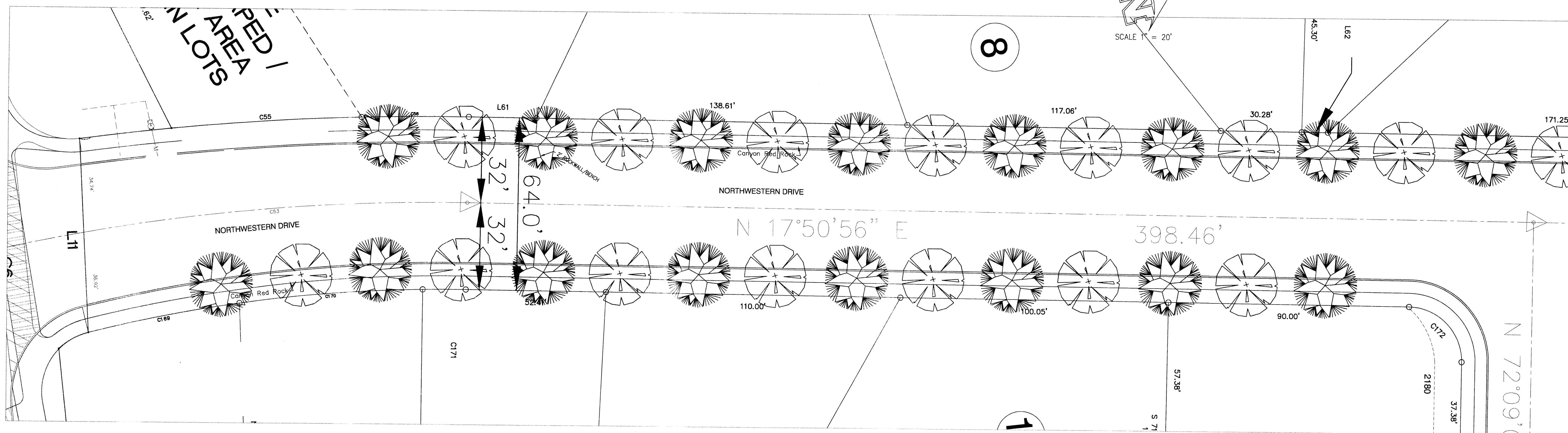


PUMP DETAIL
NOT TO SCALE

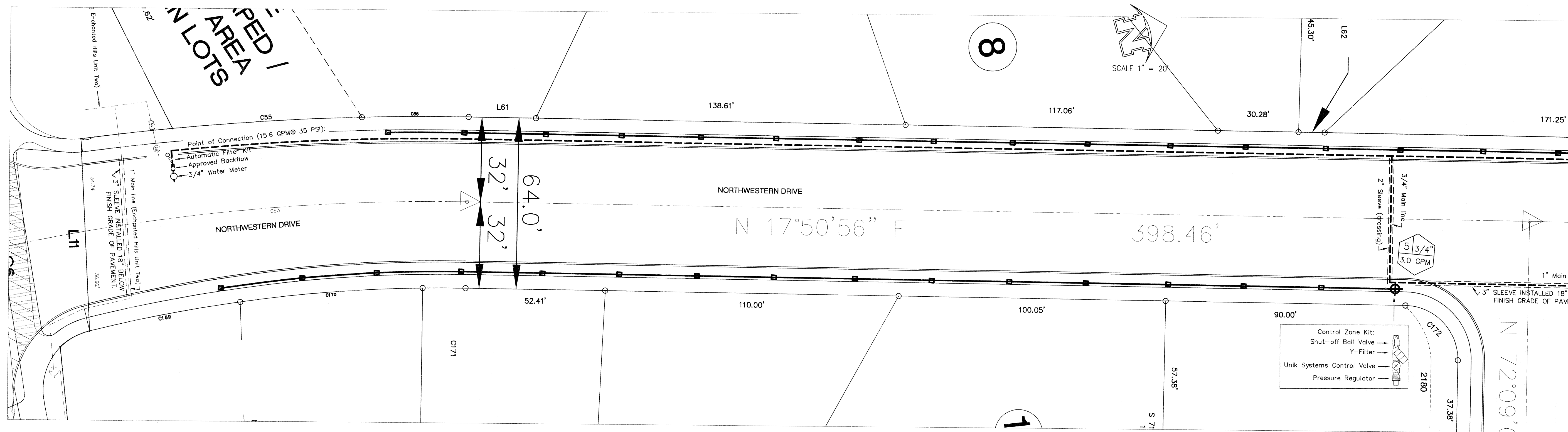
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Enchanted Hills Unit Three
(188,937 Sq. ft. or 4.3374 Ac.)

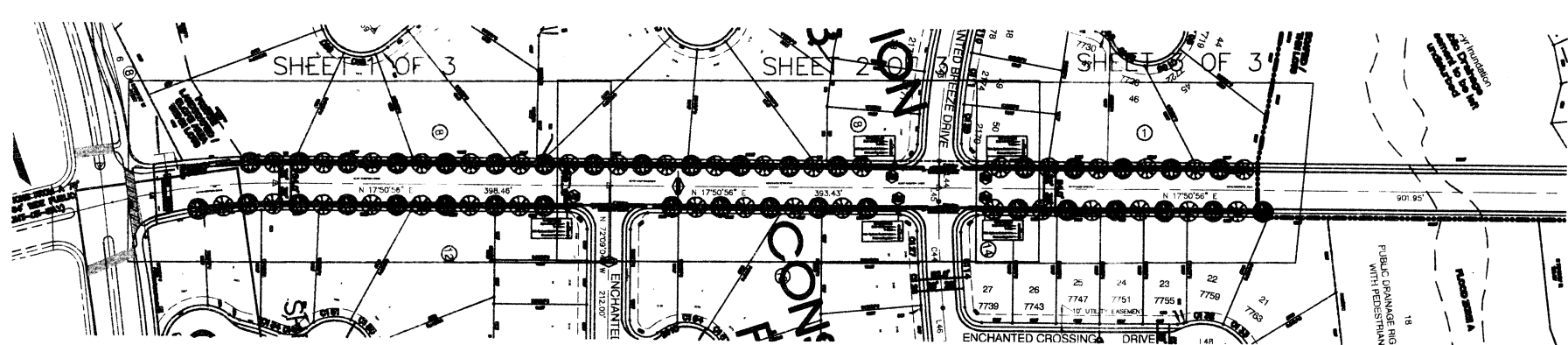
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Drawn by: TMI
Checked by: RV
PROJECT: EH11I20120709PARK
PHASE: PRELIM-FINAL
Sheet no. LI-PD3
Sheet no. 3 of 3



LANDSCAPE PLAN



IRRIGATION PLAN



Location map - NTS

NOTE:

TBOS BATTERY OPERATED TIMER CONTROLLER,
BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE
LETTERS WILL BE SUBMITTED AT THE WALK THRU.

PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
		37	FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
		36	RAYWOOD ASH	FRAXINUS OXYCARPA	2"	10'		TREE	DECIDUOUS
			RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPHIDOLEPIS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/D W/MT-PRO 5 WEED BARRIER OR EQUAL			3"		ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

MATCH LINE SHEET 2

MATCH LINE SHEET 2

10/31/12 Redlines

02/11/13 Redlines

02/22/13 Redlines

ENCHANTED HILLS UNIT 3
NORTHWESTERN DRIVE
EL PASO, TEXAS



ENGINEERING & CONSTRUCTION
MANAGEMENT DEPARTMENT

REVIEWED

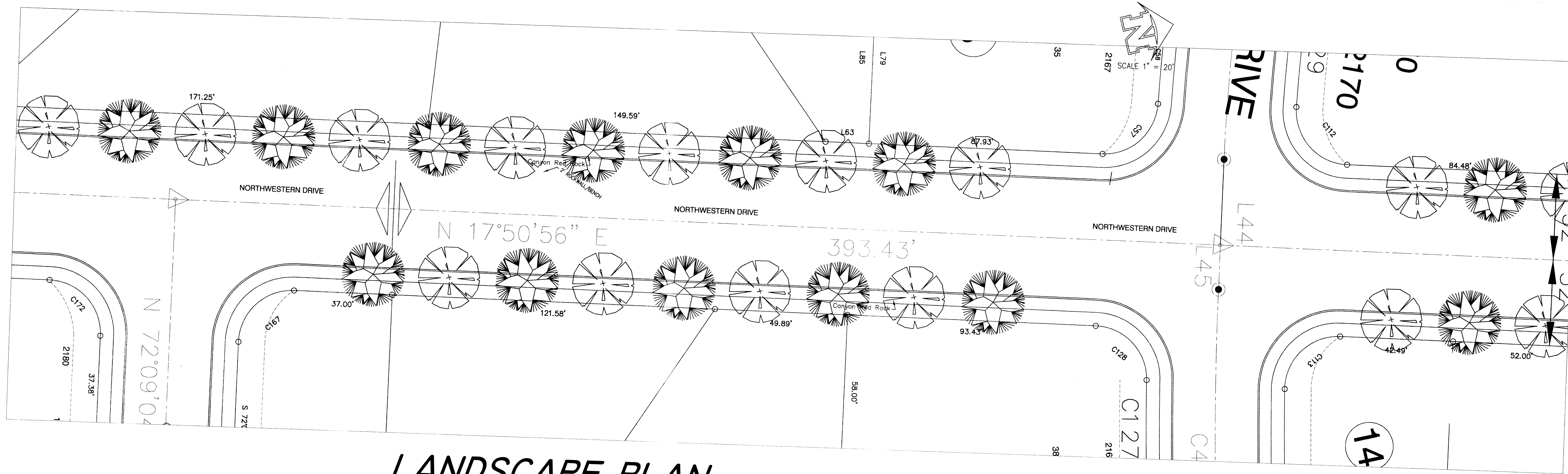
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IRRIGATION
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Checked by: RM
PROJECT:
EH3LI20120706-PKQW
PHASE:
PRELIM-FINAL

Sheet no.

LI-1

Sheet no. 1 of 3

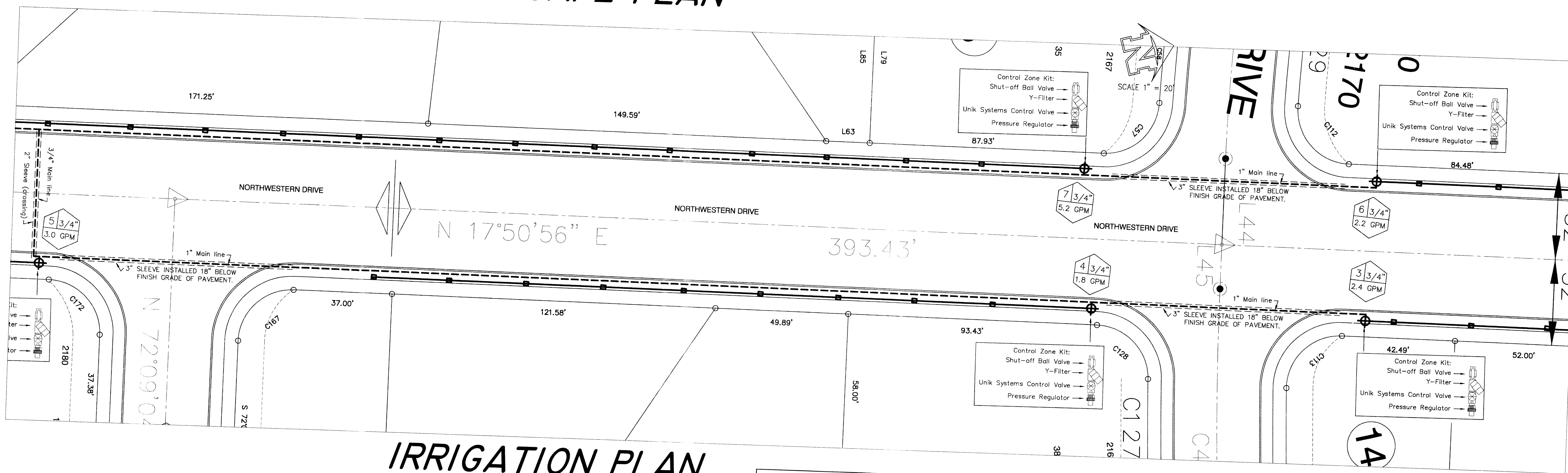
MATCH LINE SHEET 1



LANDSCAPE PLAN

MATCH LINE SHEET 3

MATCH LINE SHEET 1



IRRIGATION PLAN

MATCH LINE SHEET 3

ENCHANTED HILLS UNIT 3
NORTHWESTERN DRIVE
EL PASO, TEXAS

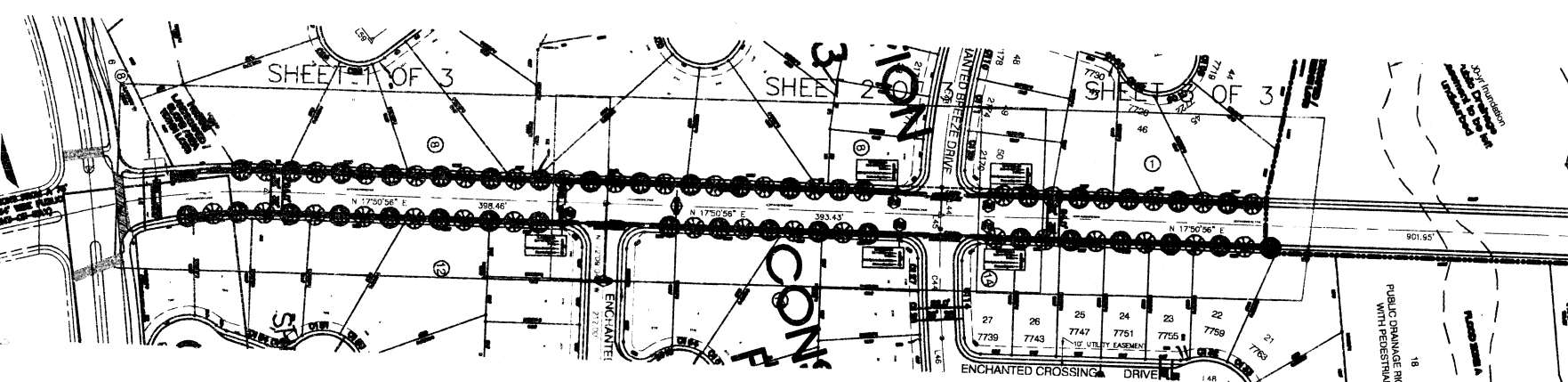
10/31/12 Redlines
02/22/13 Redlines



APPROVED BY
RM
26 FEB 2013

LANDSCAPE IRRIGATION
Drawn by: RM
Checked by: RM
PROJECT: EH3LI20120706-PKWY
PHASE: PRELIM-FINAL

Sheet no.
LI-2
Sheet no. 2 of 3



Location map -- NTS

NOTE:

TBOS BATTERY OPERATED TIMER CONTROLLER, BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE LETTERS WILL BE SUBMITTED AT THE WALK THRU.

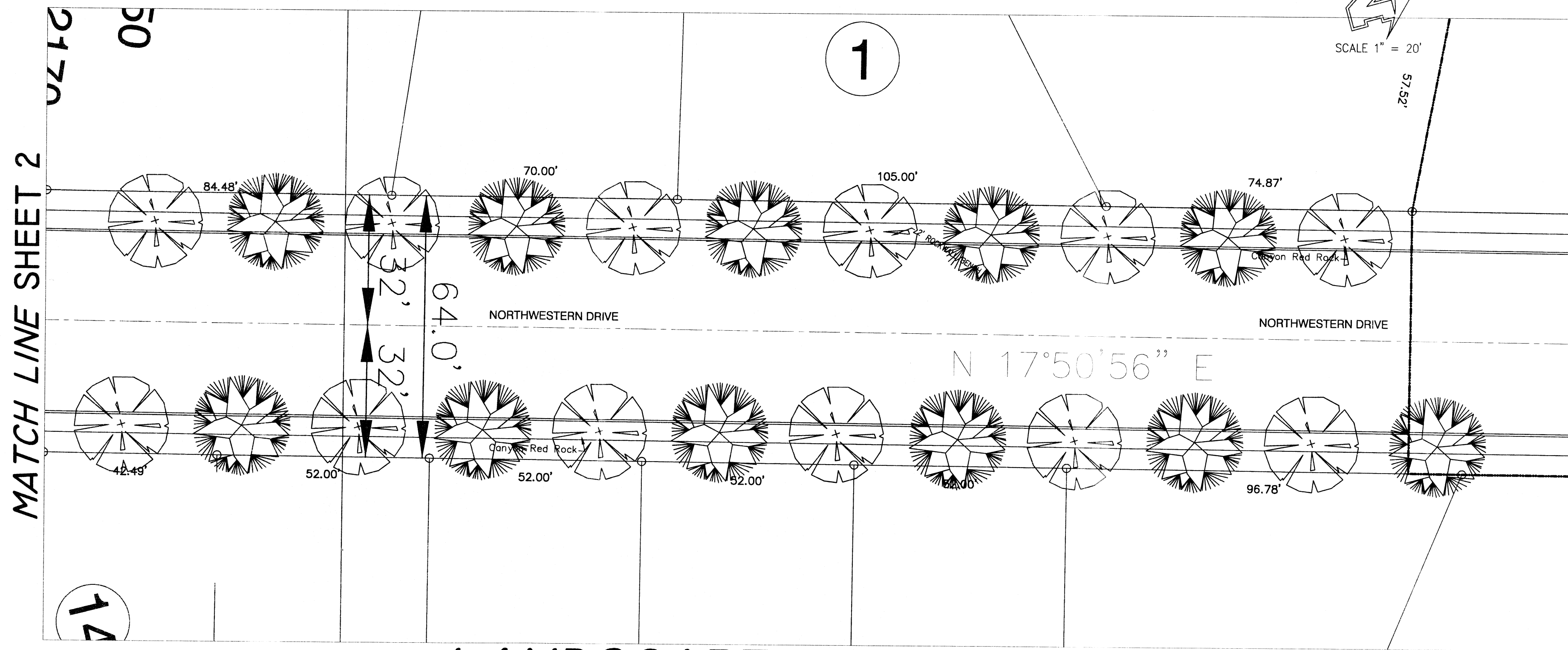
PLANT SCHEDULE

SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELLUTINA	2"	10'		TREE	DECIDUOUS
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			RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPHILOEPIA INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/ D/WITT-PRO 5 WEED BARRIER OR EQUAL		3"			ROCK	GROUND COVER

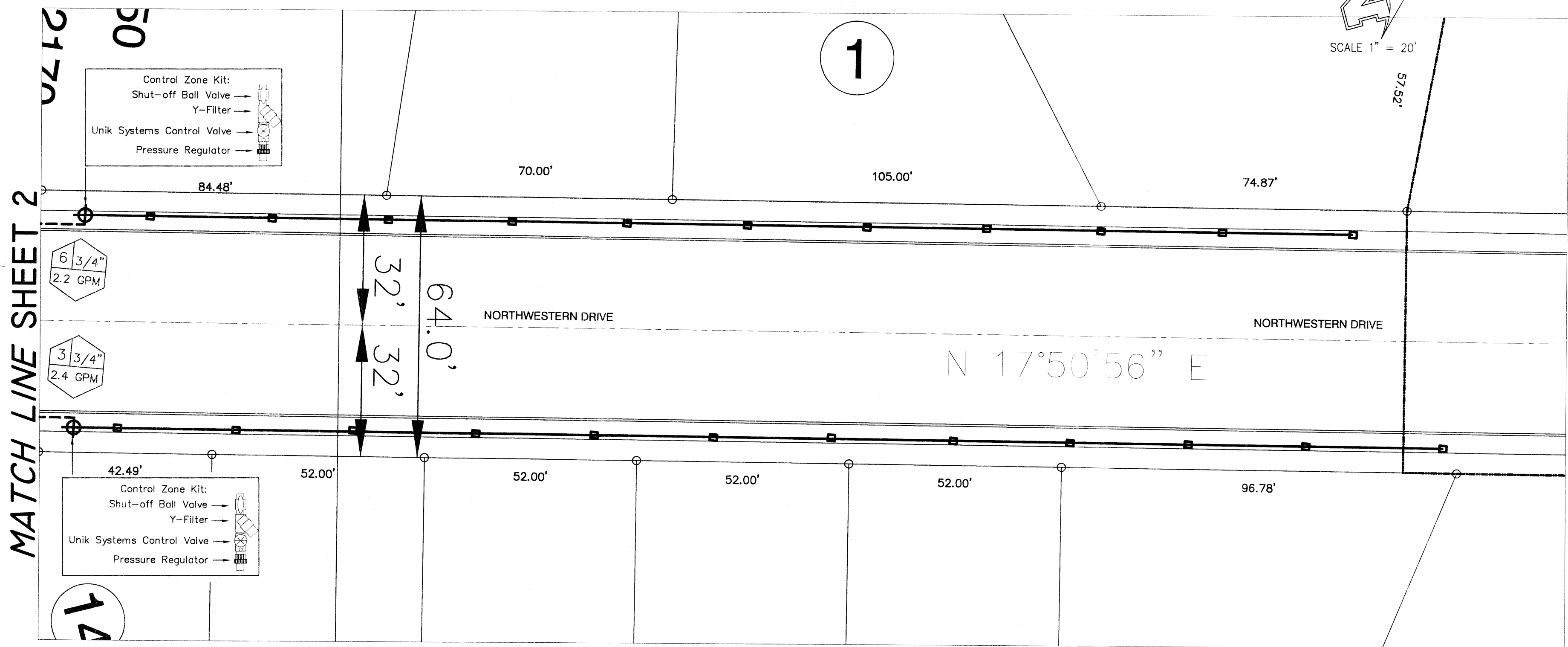
IRRIGATION LEGEND

	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

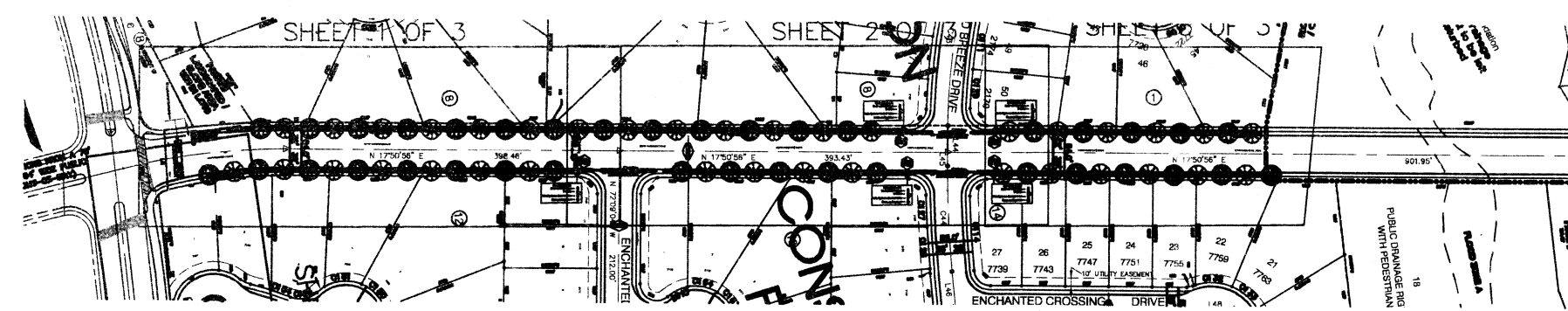
NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719



LANDSCAPE PLAN



IRRIGATION PLAN



Location map - NTS

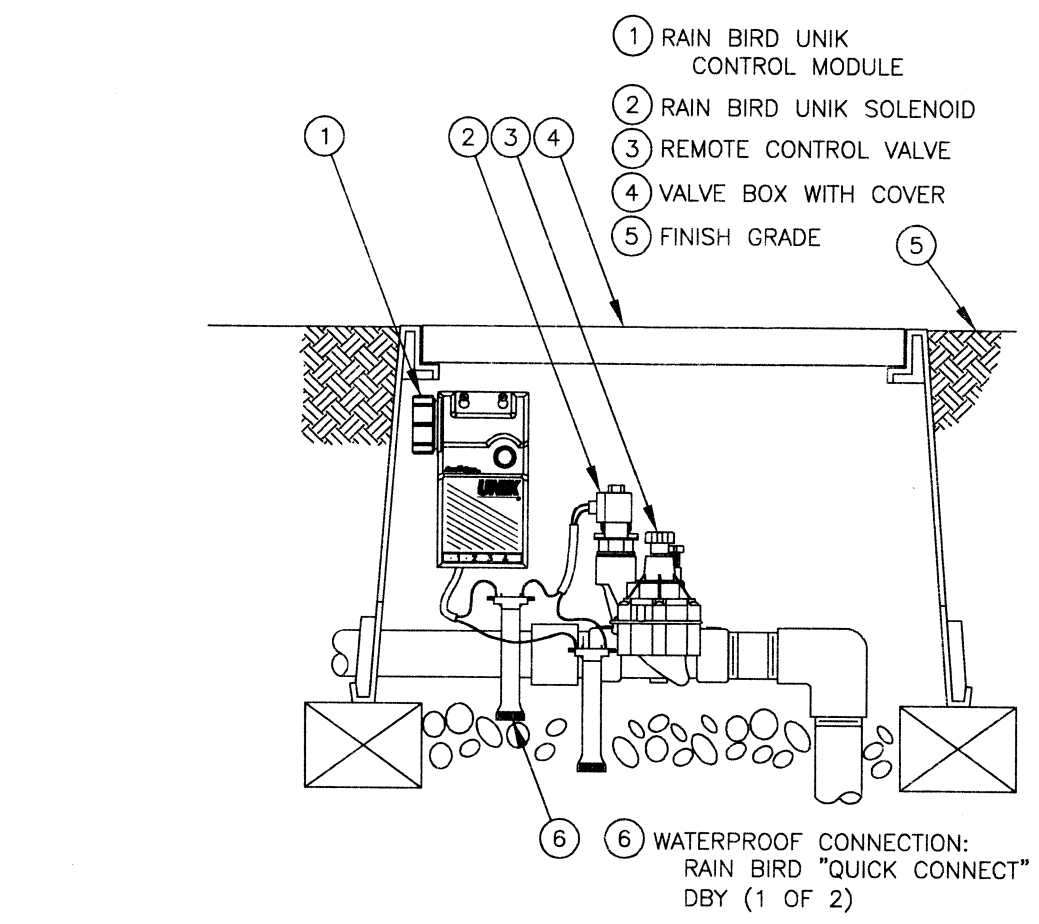
NOTE:

TBOS BATTERY OPERATED TIMER CONTROLLER, BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE LETTERS WILL BE SUBMITTED AT THE WALK THRU.

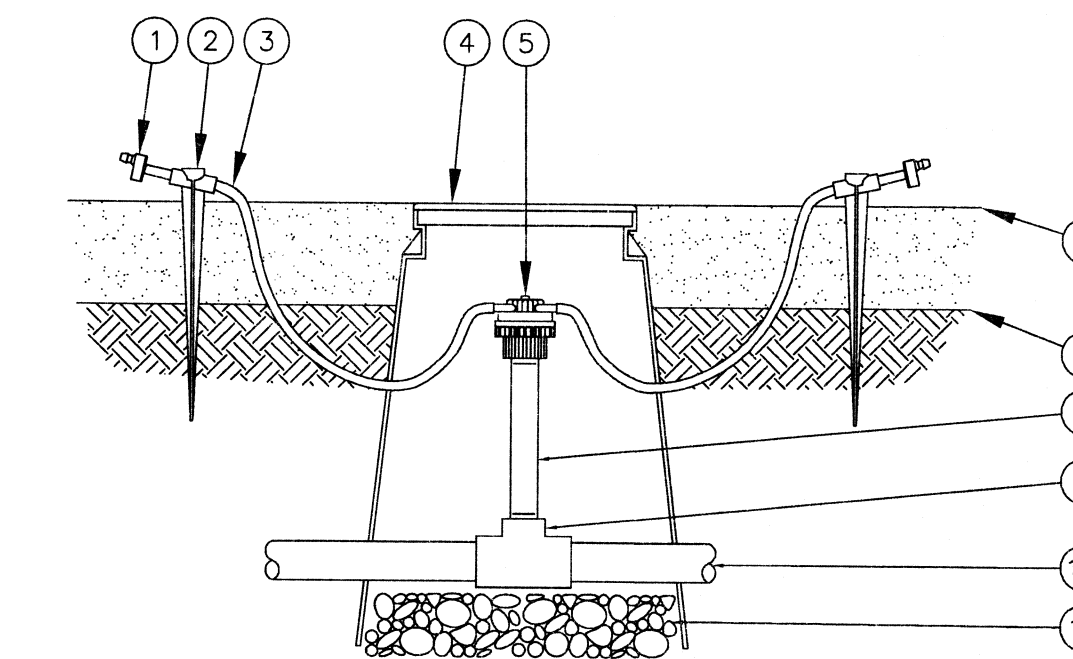
PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DEDDOUOUS
			RAYWOOD ASH	FRAXINUS OXYCARPA	2"	10'		TREE	DEDDOUOUS
			RED YUCCA	HESPERALOE PARVIFLORA	5 GAL			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALMA OREGGI	5 GAL			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA REGURVIFOLIA	5 GAL			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPEOLEPIS INDICA	5 GAL			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/DWITT-PRO 5 WEED BARRIER OR EQUAL		3"			ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719



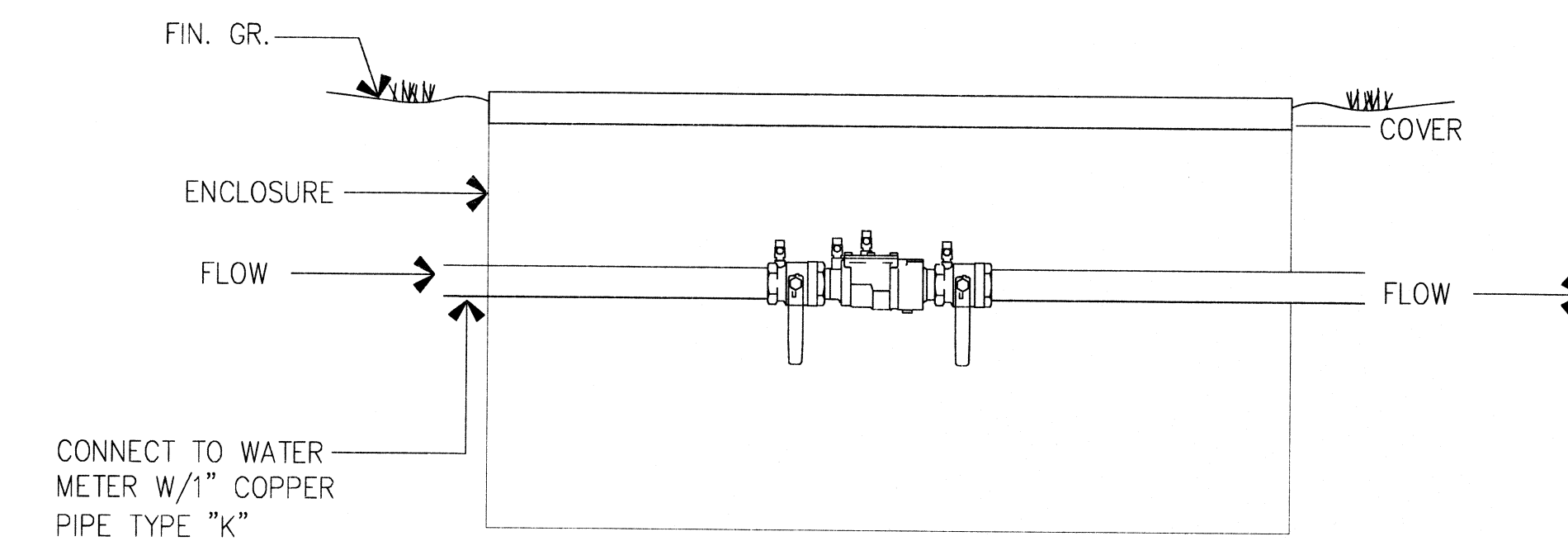
CONTROL VALVE UNIK SYSTEM



- 1 SINGLE-OUTLET BARB INLET X BARB OUTLET EMITTER: RAIN BIRD XERI-BUG OR PC MODULE EMITTER: (1 OF 2 SHOWN, 6 POSSIBLE)
- 2 UNIVERSAL 1/4" TUBING STAKE: RAIN BIRD TS-025 (1 OF 2 SHOWN, 6 POSSIBLE)
- 3 1/4" DISTRIBUTION TUBING: RAIN BIRD XQ TUBING (LENGTH AS REQUIRED) (1 OF 2 SHOWN, 6 POSSIBLE)
- 4 SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
- 5 SIX OUTLET MANIFOLD: RAIN BIRD EMT-6XERI
- 6 TOP OF MULCH
- 7 FINISH GRADE
- 8 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 9 PVC SCH 40 TEE OR ELL
- 10 PVC LATERAL PIPE
- 11 3" MINIMUM DEPTH OF 1/4" WASHED GRAVEL

- NOTES:
- SHOULD THE EMITTER BECOME DISLODGED UNREGULATED FLOW WILL OCCUR.
 - THE 6 OUTLET MANIFOLD PROVIDES A CENTRALIZED WATER DISTRIBUTION CONNECTION FOR UP TO 6 EMISSION DEVICES. THE FOLLOWING EMITTERS CAN BE INSERTED INTO THE 1/4" TUBING FROM THE EMT-6XERI:

RAINBIRD XERI-BIRD 6 OUTLET MANIFOLD WITH EMITTER



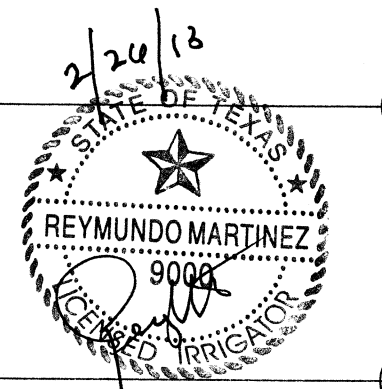
850 3/4" In-Line Design Double Check Valve Assembly

Pit Installation

NOT TO SCALE

APPROVED BY

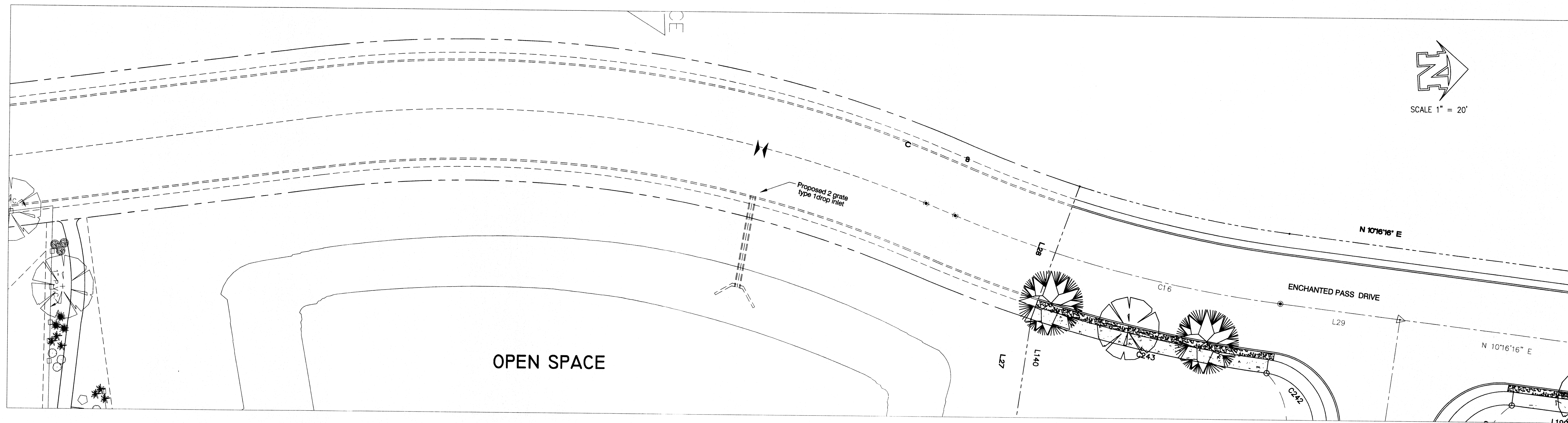
 26 FEB 2013



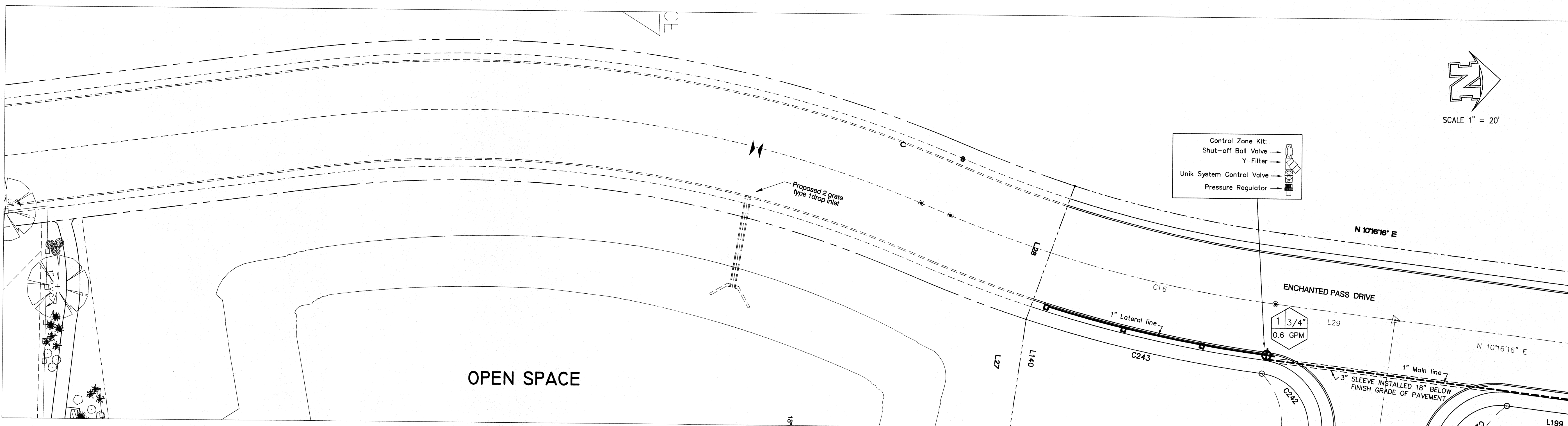
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 Drawn by: RM
 Checked by: RM
 PROJECT: EH3LI20120706-PKWY
 PHASE: PRELIM-FINAL

Sheet no.
 LI-3
 Sheet no. 3 of 3

10/31/12 Redlines
 ENCHANTED HILLS UNIT 3
 NORTHWESTERN DRIVE
 EL PASO, TEXAS



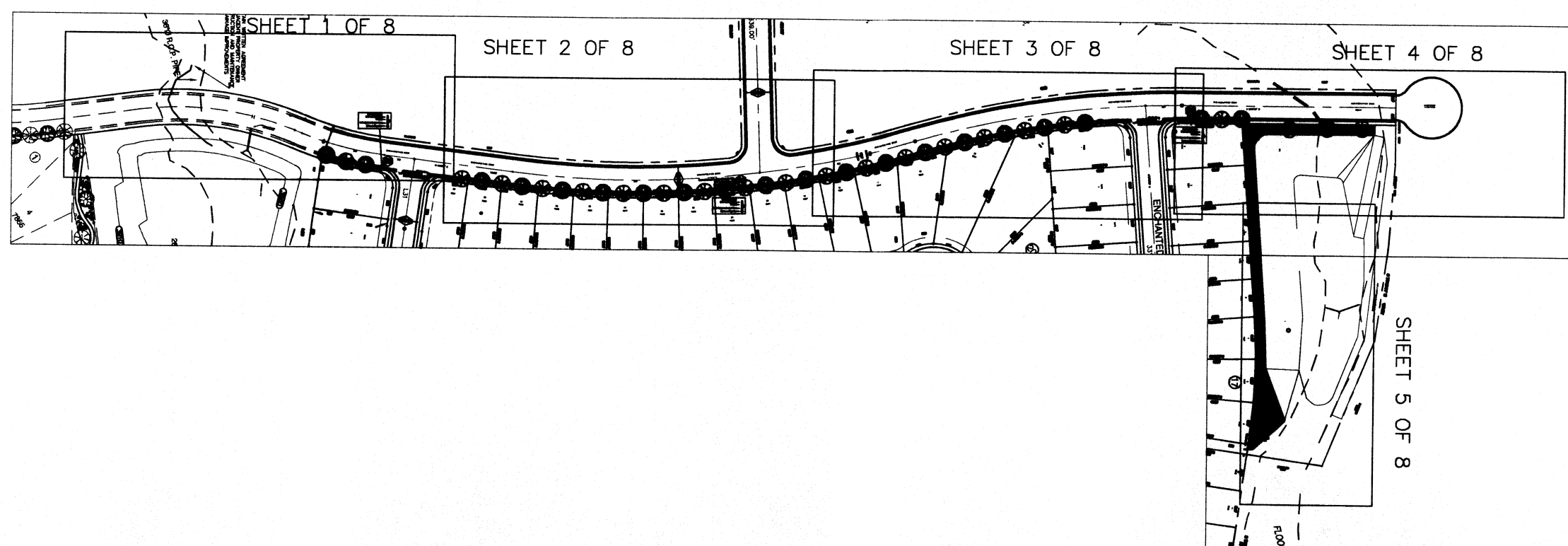
LANDSCAPE PLAN



IRRIGATION PLAN

NOTE:

TBOS BATTERY OPERATED TIMER CONTROLLER, BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE LETTERS WILL BE SUBMITTED AT THE WALK THRU.



PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
		21	FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
		18	RAYWOOD ASH	FRAXINUS OXYCARPA	2"	10'		TREE	DECIDUOUS
		12	RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
		12	RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
		12	SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
		12	INDIAN HAWTHORN	RAPHIDOLEPS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
		11	3' BOULDERS						
			CANYON RED ROCK W/D/WITT-PRO 5 WEED BARRIER OR EQUAL		1" - 3"			ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD Y-FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

MATCH LINE SHEET 2

MATCH LINE SHEET 2

**ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS**



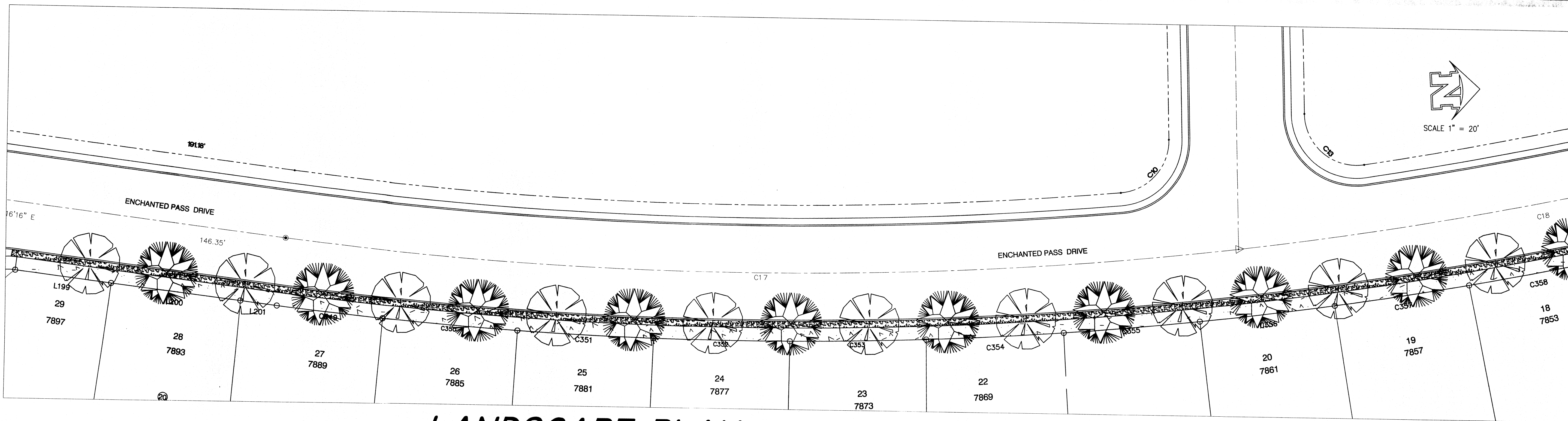
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 Drawn by: RJM
 Checked by: RV
 PROJECT: EH1LI20110501.DWG
 PHASE: PRELIM-FINAL

Sheet no. LI-1
 Sheet no. 1 of 8

10/31/12 Redlines

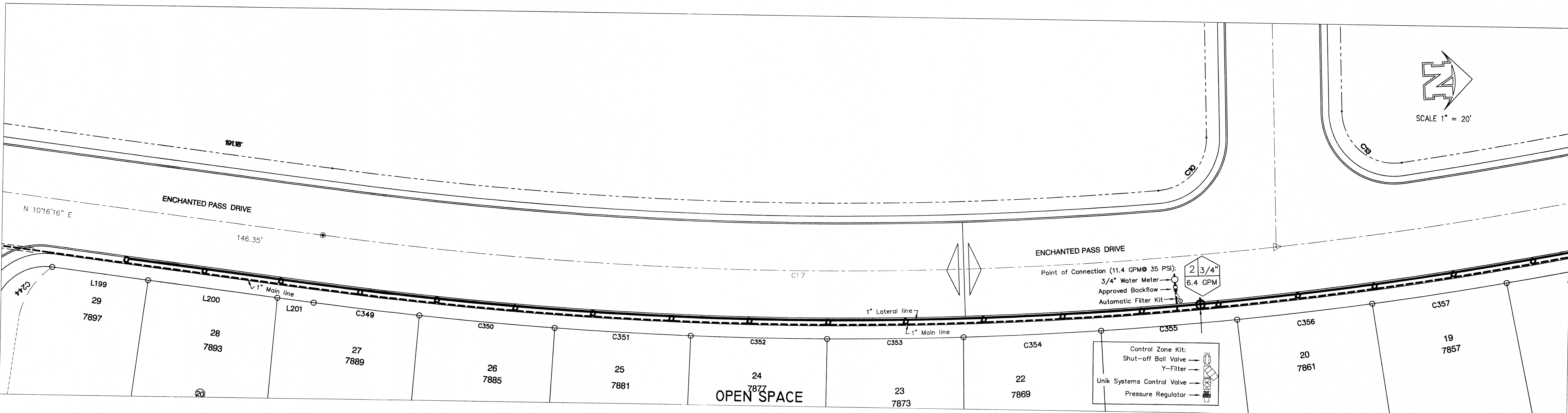
MATCH LINE SHEET 2



LANDSCAPE PLAN

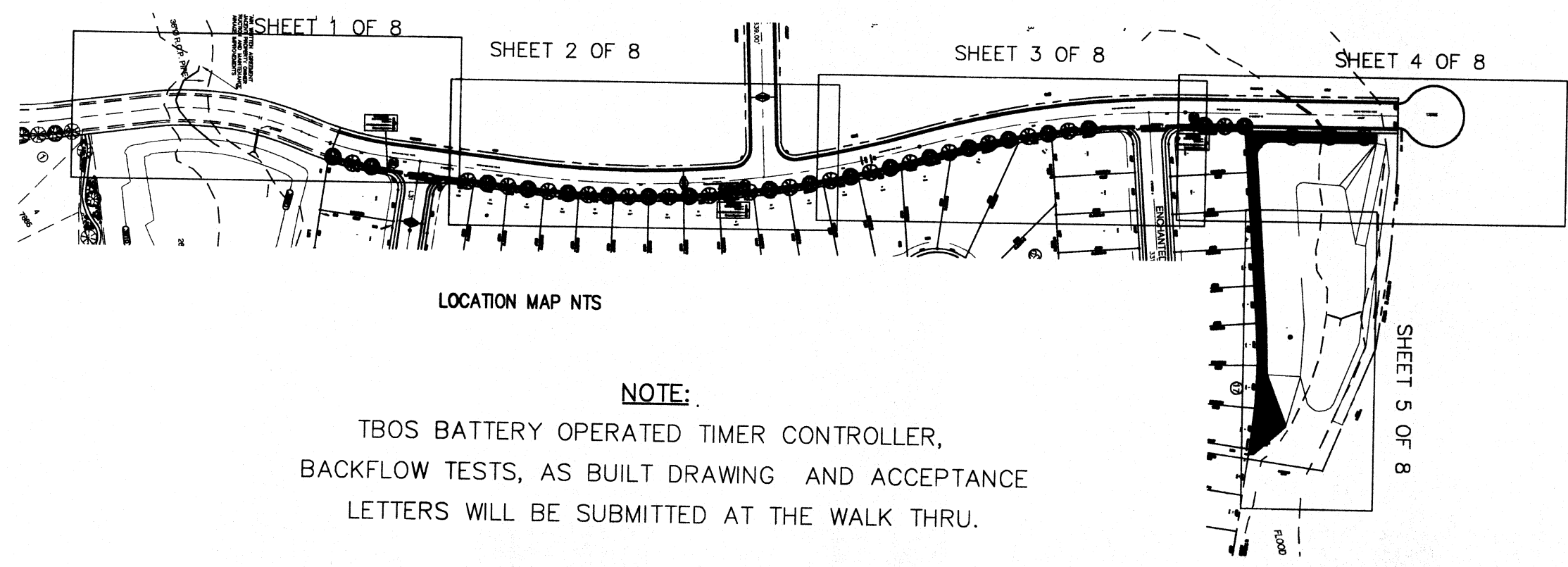
MATCH LINE SHEET 3

MATCH LINE SHEET 2



IRRIGATION PLAN

MATCH LINE SHEET 3

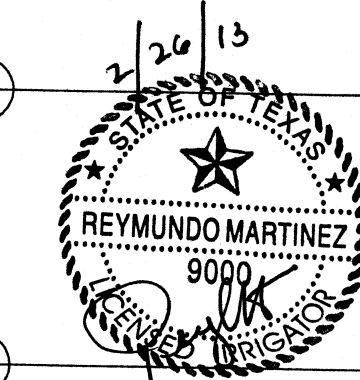


PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
			RAYWOOD ASH	FRAXINUS OXYCARPA	2"	10'		TREE	DECIDUOUS
			RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPHELOPS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/DWMTT-PRO 5 WEED BARRIER OR EQUAL		3"			ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS, C150 SCHEDULE 40 PVC PIPE

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS



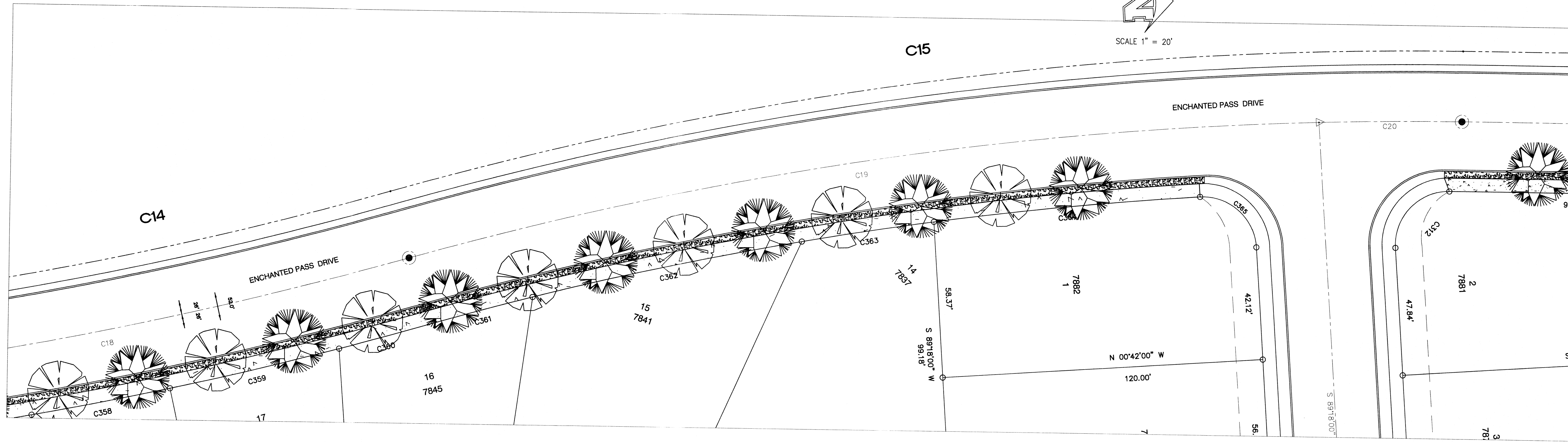
REVIEWED

LANDSCAPE IRRIGATION
Drawn by: RM
Checked by: RM
PROJECT:
EH3L20120706-PKWY
PHASE:
PRELIM-FINAL

Sheet no.
LI-2
Sheet no. 2 of 8

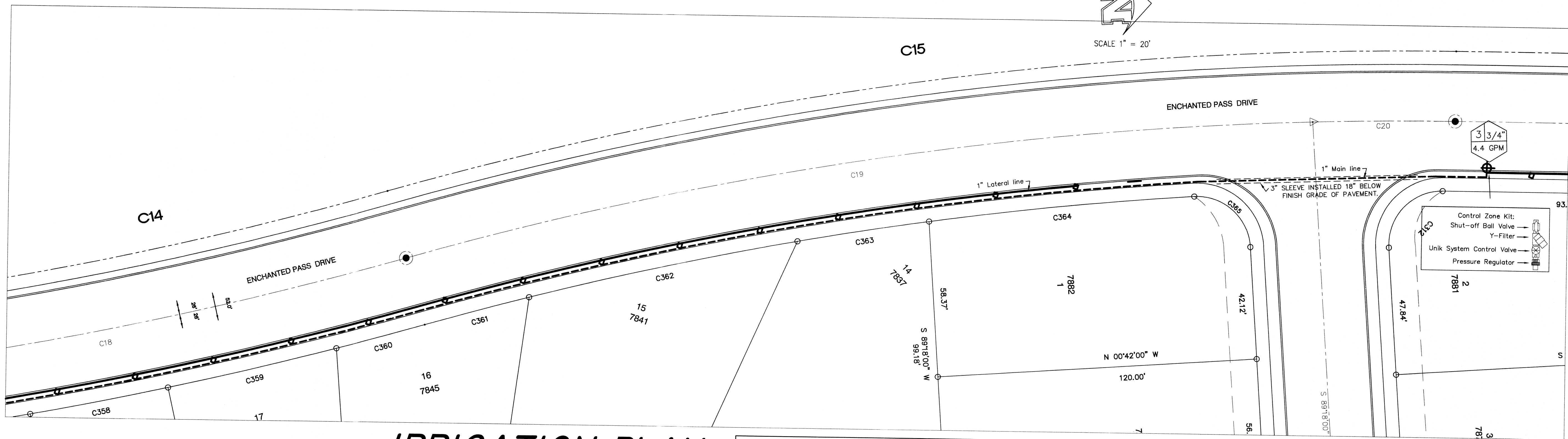
10/31/12 Redlines

MATCH LINE SHEET 2

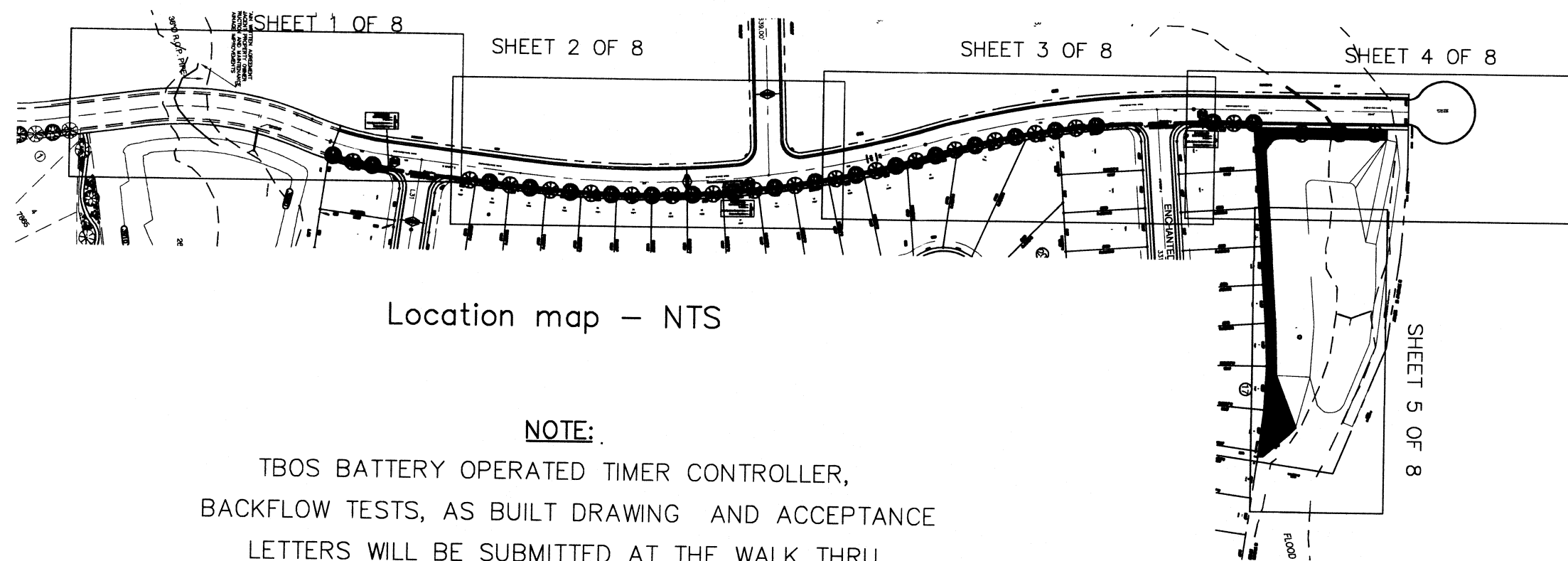


LANDSCAPE PLAN

MATCH LINE SHEET 2



IRRIGATION PLAN



PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELLUTINA	2"	10'		TREE	DECIDUOUS
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			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA REQUIVIOJA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPIHOLEPS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/D/WITT-PRO 5 NEED BARRIER OR EQUAL		3"			ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

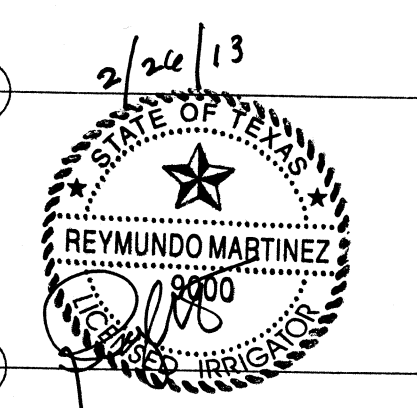
10/31/12 Redlines

MATCH LINE SHEET 4

MATCH LINE SHEET 4

ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS

ENGINEERING & CONSTRUCTION
MANAGEMENT DEPARTMENT

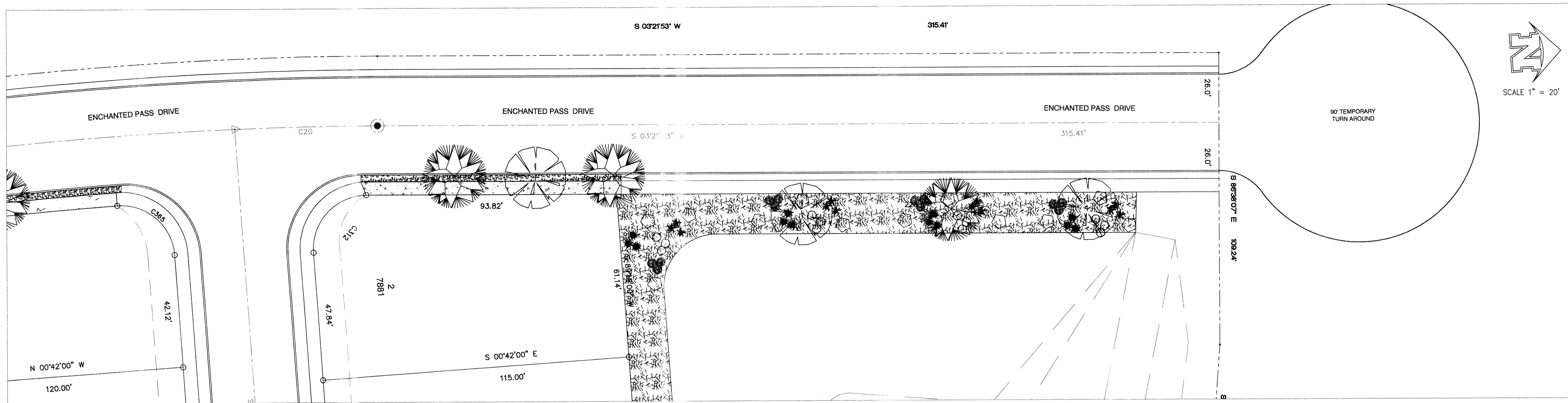


REVIEWED

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Checked by: RM
PROJECT:
EH3LI20120706-PKWY
PHASE:
PRELIM-FINAL

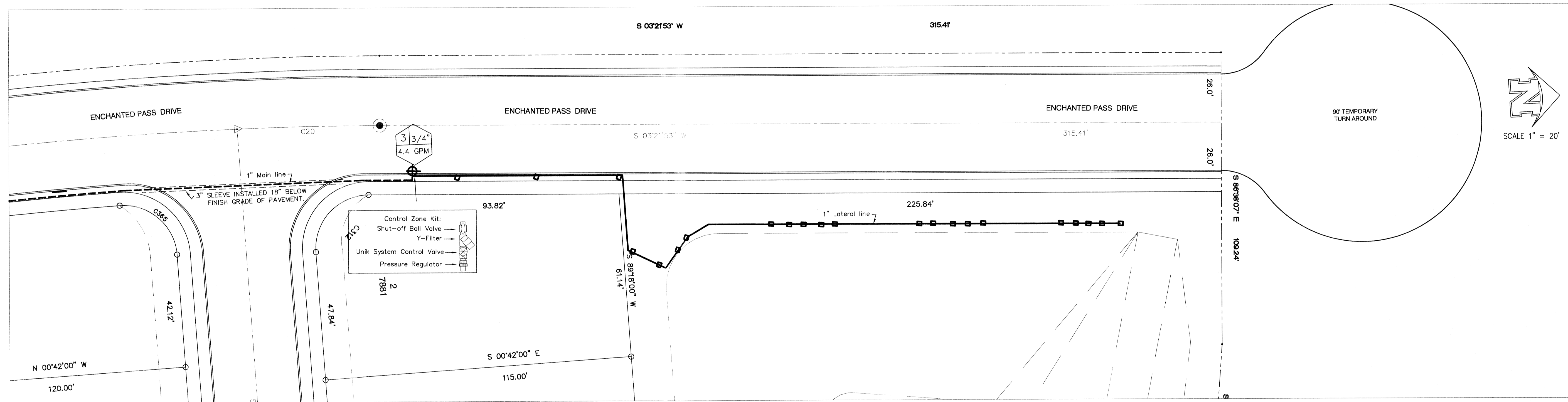
Sheet no.
LI-3
Sheet no. 3 of 8

MATCH LINE SHEET 3

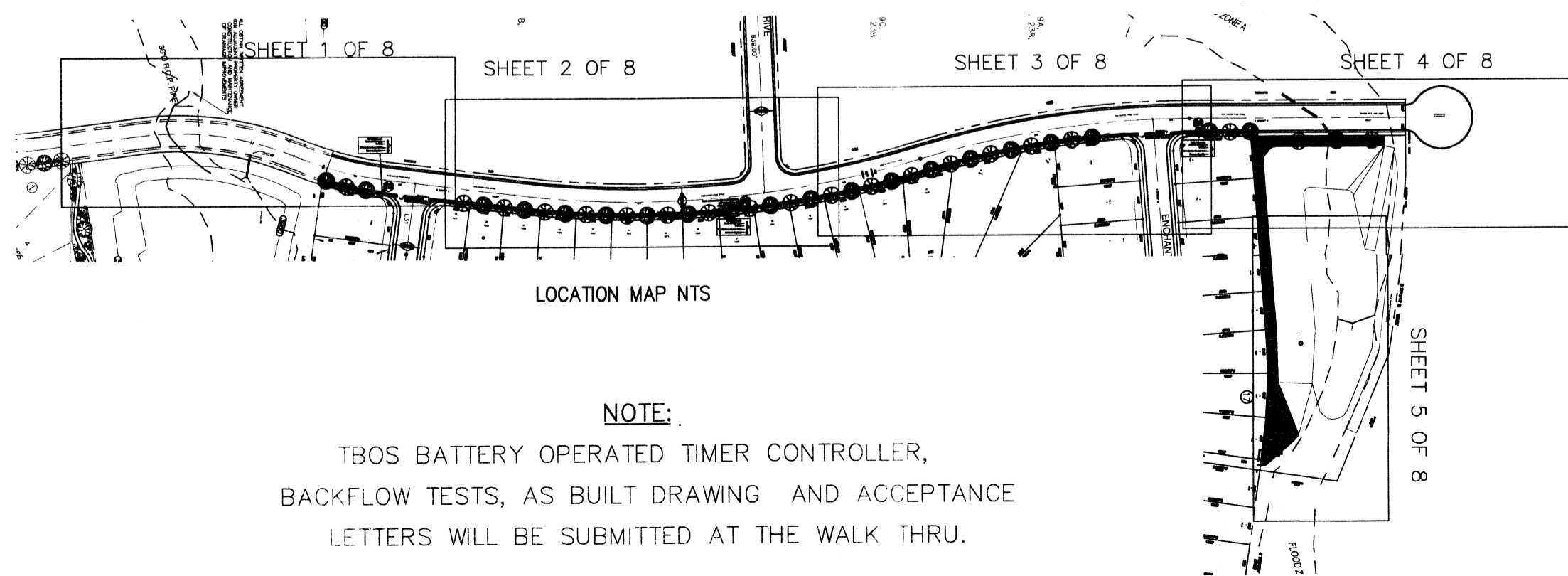


MATCH LINE SHEET 5
LANDSCAPE PLAN

MATCH LINE SHEET 3



MATCH LINE SHEET 5
IRRIGATION PLAN



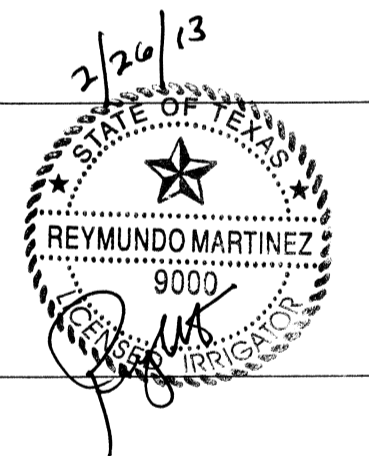
PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
		21	FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
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		12	INDIAN HAWTHORN	RAPHEOLEPS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
		11	3" BOULDERS						
			CANYON RED ROCK W/DWHITT-PRO 5 WEED BARRIER OR EQUAL			3"		ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
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	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

10/31/12 Redlines

ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS

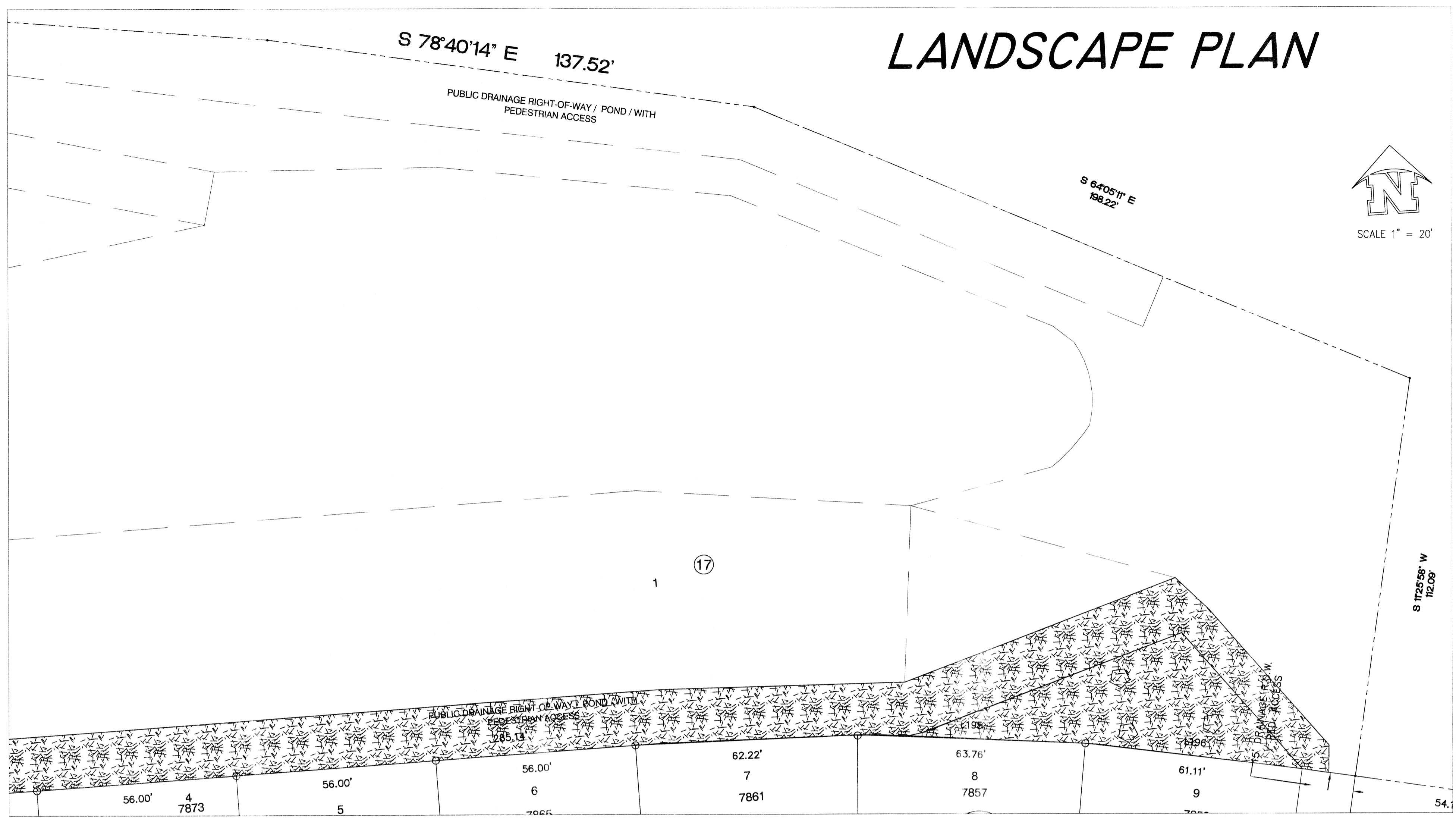


REVIEWED

LANDSCAPE IRRIGATION
Drawn by: RM
Checked by: RM
PROJECT:
EH3LI20120706-PKWKY
PHASE:
PRELIM-FINAL

Sheet no.
LI-4

Sheet no. 4 of 8

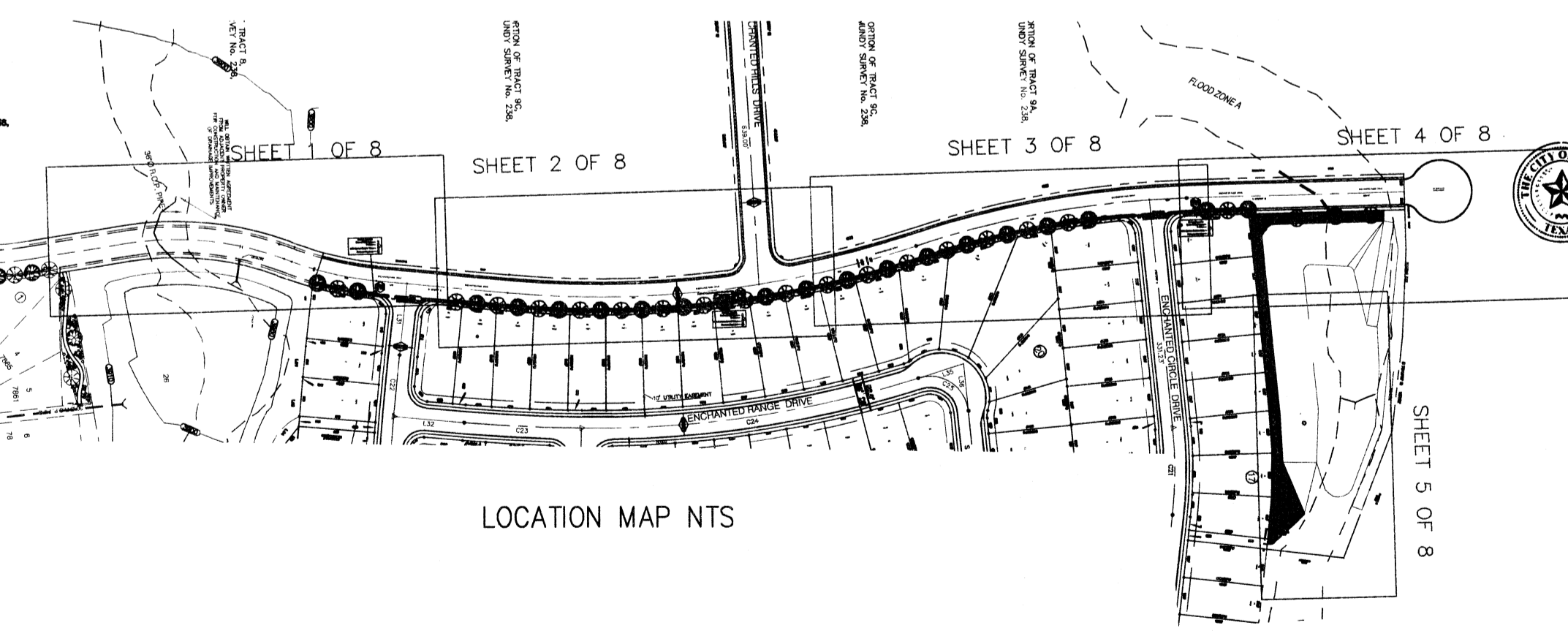
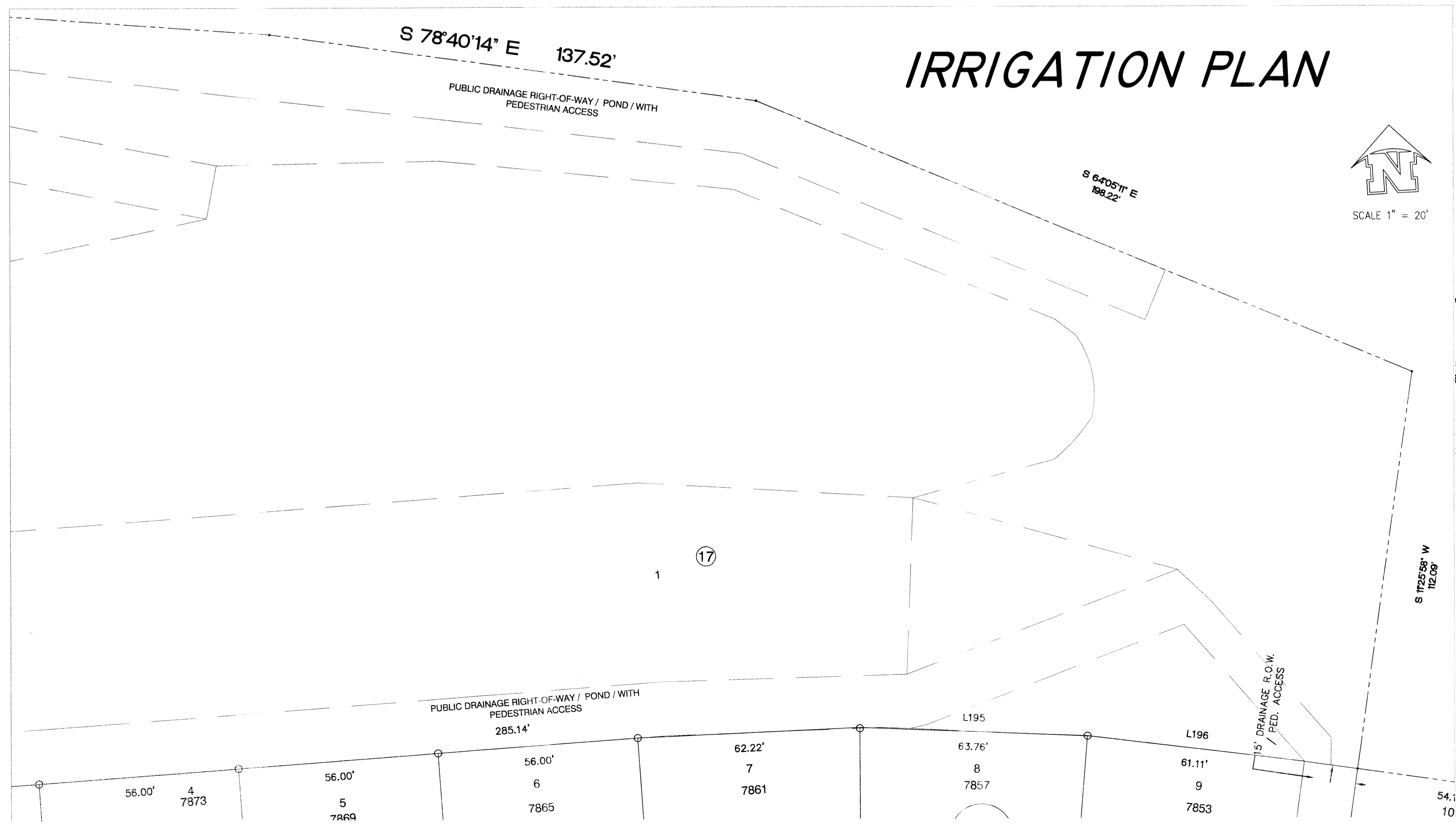


PLANT SCHEDULE

SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
			RAYWOOD ASH	FRAXINUS OXYCARPA	2"	10'		TREE	DECIDUOUS
			RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALVA GREGGI	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA DECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPHOLEPIS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/DWMT-PRO 5 WEED BARRIER OR EQUAL			3"		ROCK	GROUND COVER

IRRIGATION LEGEND

	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD--RAINBIRD XERI-BIRD--XBD--BO EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE



NOTE:
 TBOS BATTERY OPERATED TIMER CONTROLLER,
 BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE
 LETTERS WILL BE SUBMITTED AT THE WALK THRU.

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL
 QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

10/31/12 Redlines

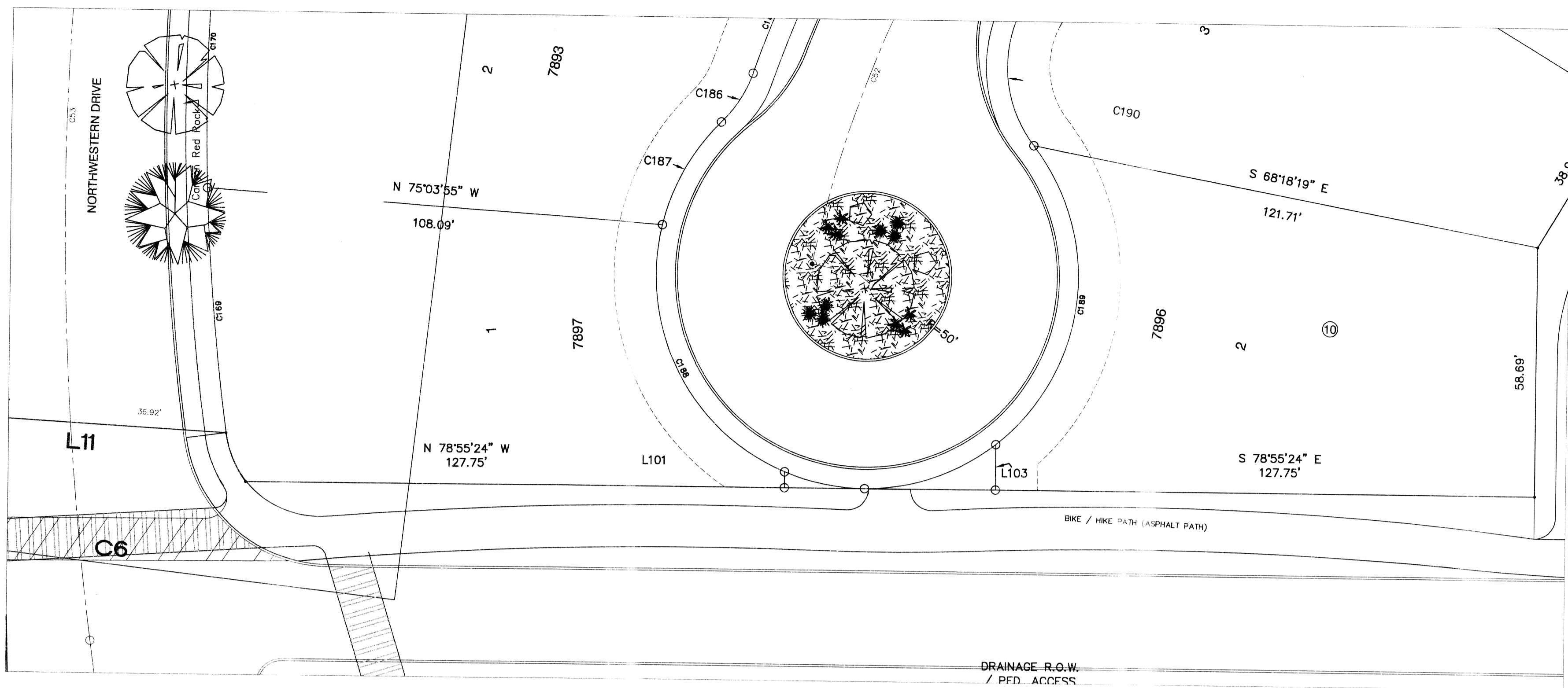
**ENCHANTED HILLS UNIT 3
 HIKE AND BIKE TRAIL
 EL PASO, TEXAS**

**ENGINEERING & CONSTRUCTION
 MANAGEMENT DEPARTMENT**

REVIEWED

LANDSCAPE
 IRRIGATION
 Drawn by: RM
 Checked by: RM
 PROJECT:
 EH3LI20120706-PKWY
 PHASE:
 PRELIM-FINAL

Sheet no.
 LI-5
 Sheet no. 5 of 8



LANDSCAPE PLAN

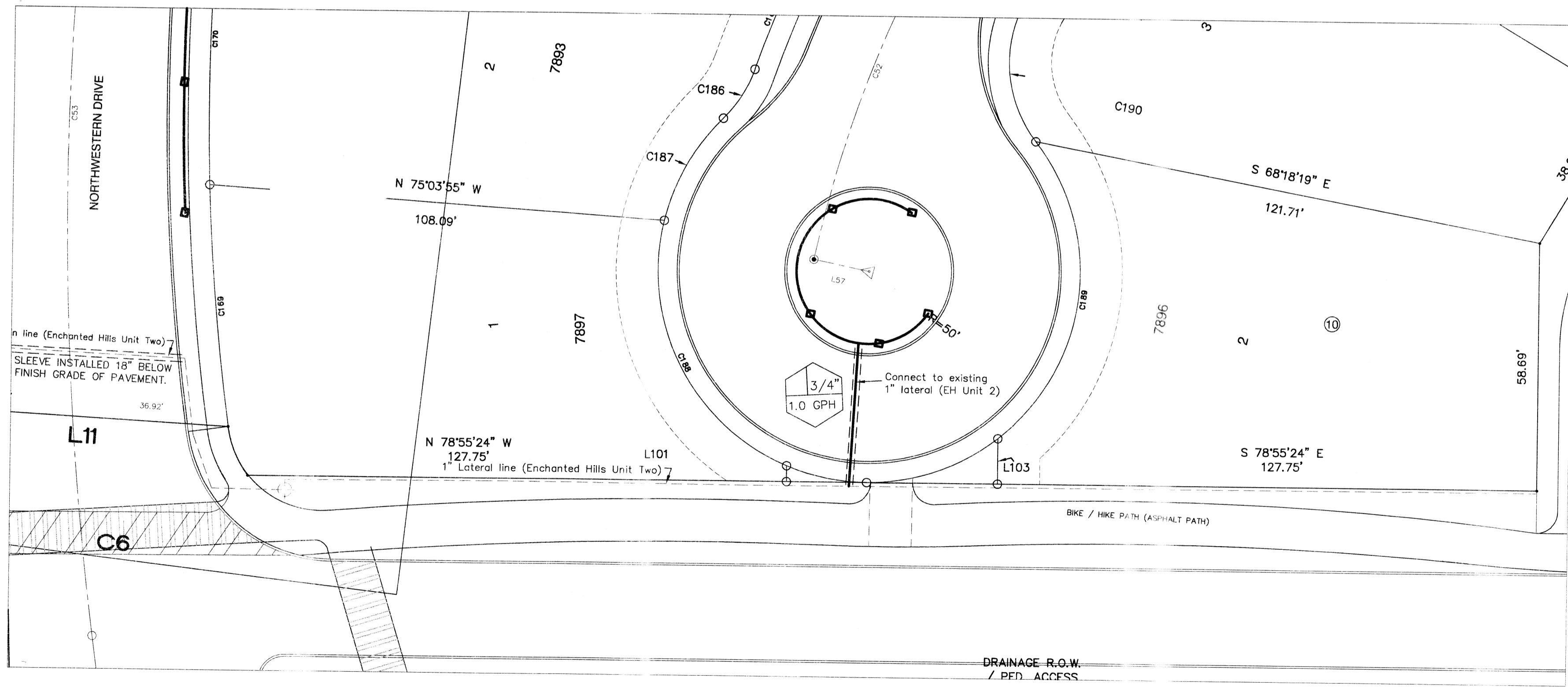
SCALE 1" = 20'

PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
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			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPIEOLEPIS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/DWITT-PRO 5 WEED BARRIER OR EQUAL		3"			ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

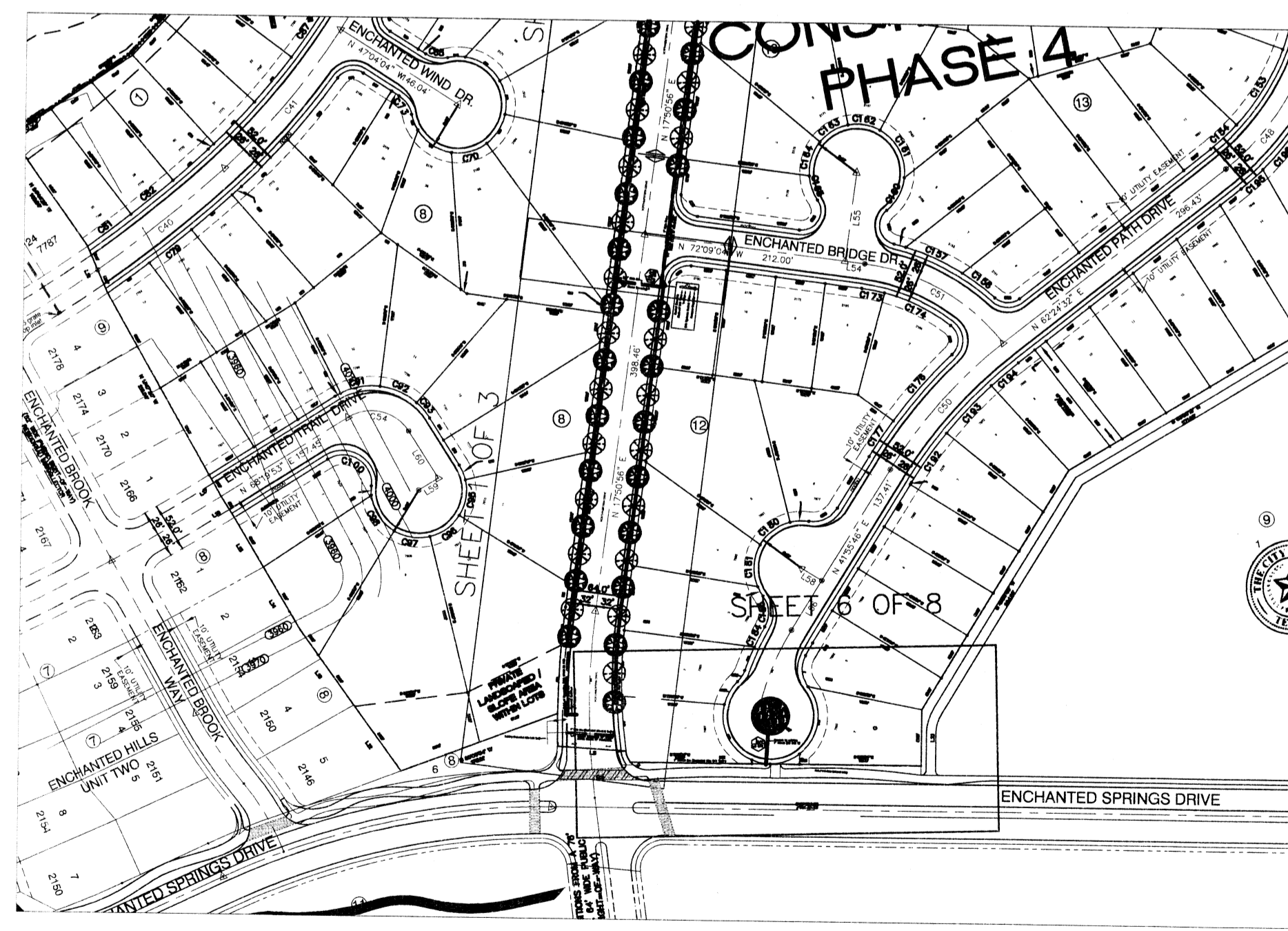
**ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS**

10/31/12 Redlines
02/11/13 Redlines
02/22/13 Redlines



IRRIGATION PLAN

SCALE 1" = 20'



LOCATION MAP NTS

NOTE:
TBOS BATTERY OPERATED TIMER CONTROLLER,
BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE
LETTERS WILL BE SUBMITTED AT THE WALK THRU.

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL
QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

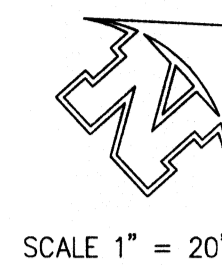
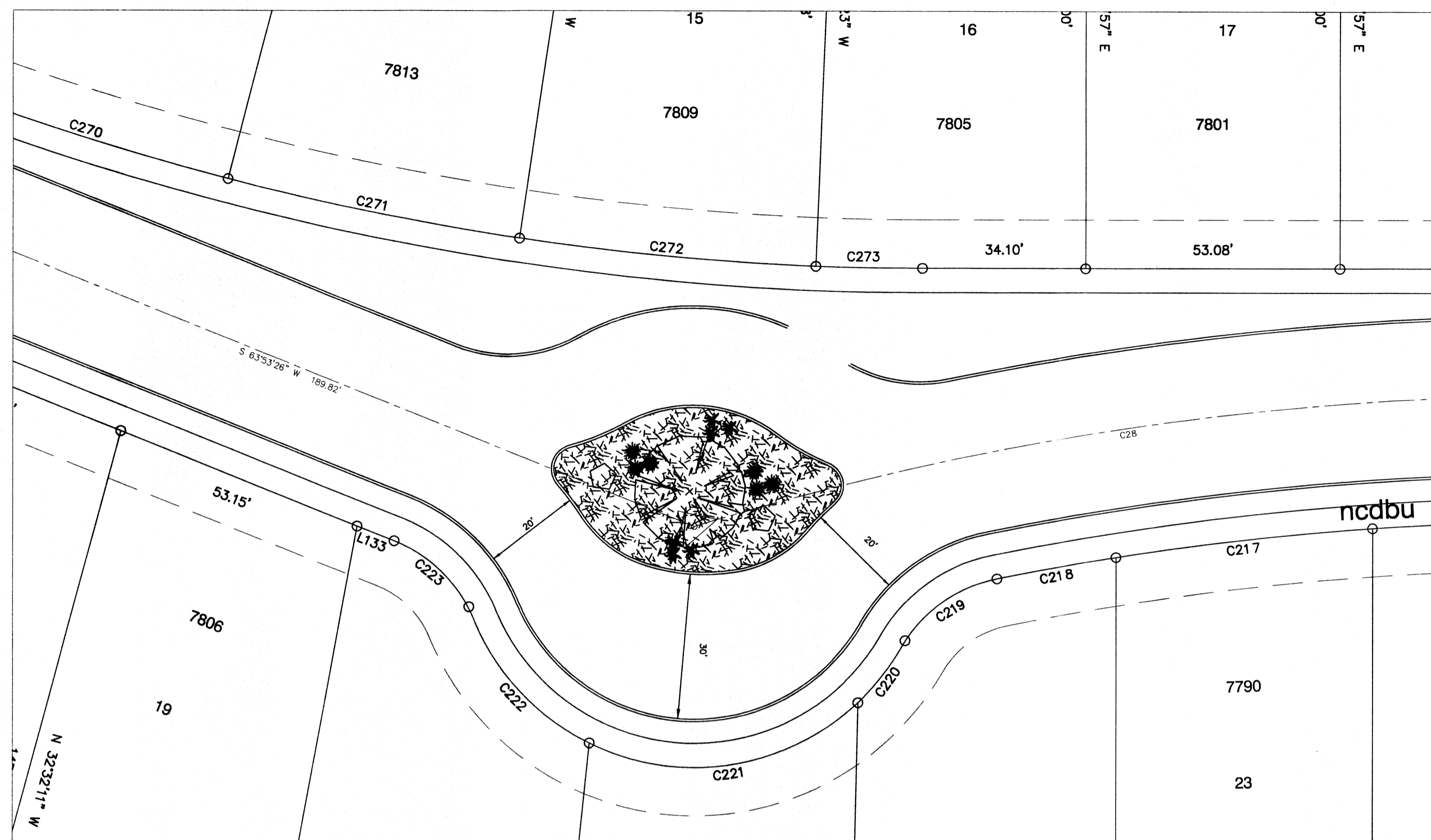
2/26/13

ENGINEERING & CONSTRUCTION
MANAGEMENT DEPARTMENT

REVIEWED

LANDSCAPE
IRRIGATION
Drawn by: RM
Checked by: RM
PROJECT:
EH3L120120706-PKWY
PHASE:
PRELIM-FINAL

Sheet no.
L1-6
Sheet no. 6 of 8

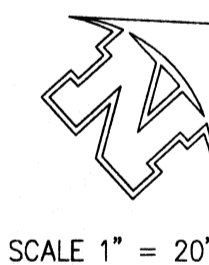
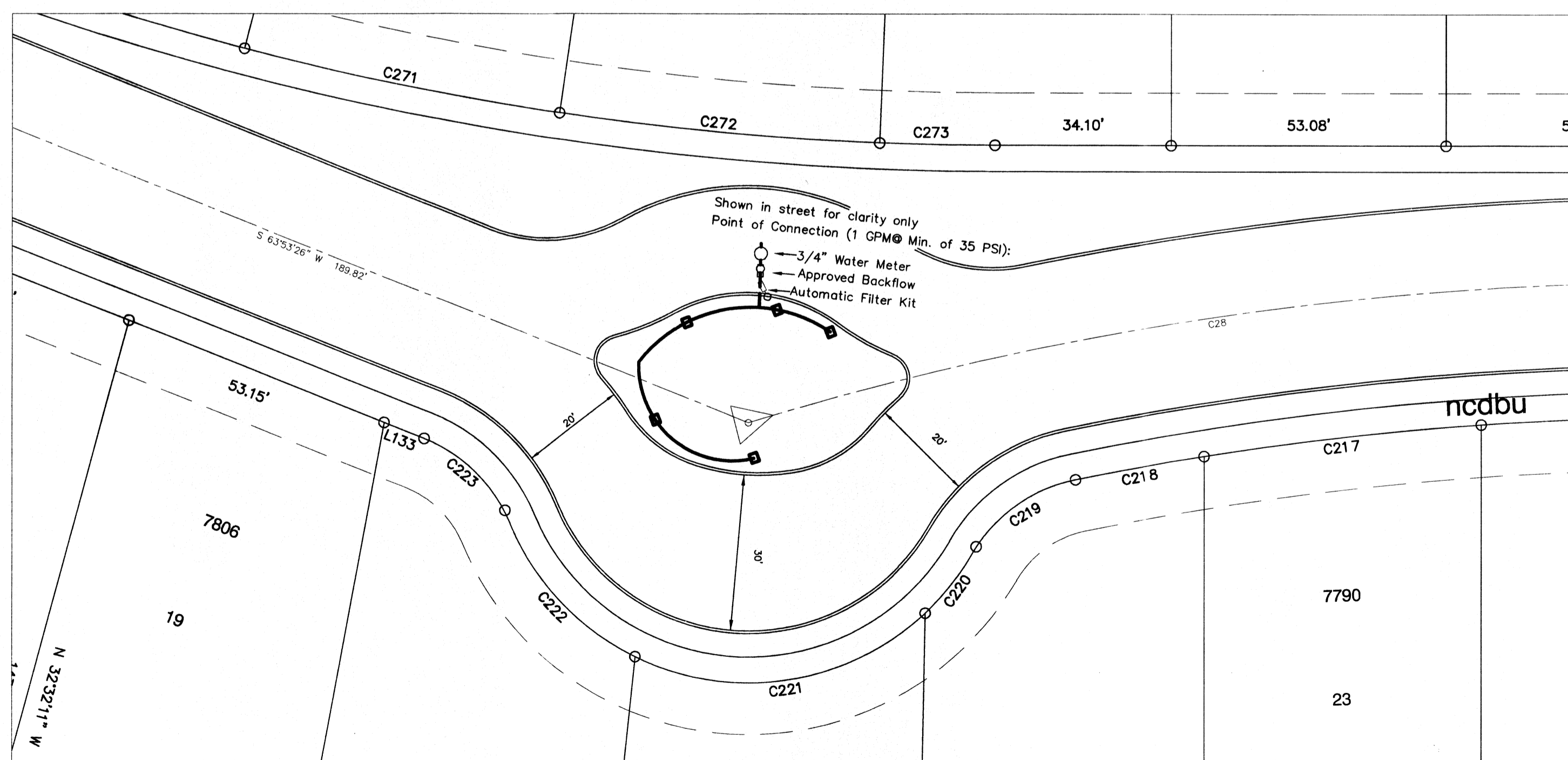


SCALE 1" = 20'

PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELLUTINA	2"	10'		TREE	DECIDUOUS
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		6	RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
		6	INDIAN HAWTHORN	RAPIHEDLEPS INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			CANYON RED ROCK W/DWITT-PRO 5 NEED BARRIER OR EQUAL			3"		ROCK	GROUND COVER

IRRIGATION LEGEND	
	FEBCO 3/4" 850 IN-LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD-RAINBIRD XERI-BIRD-XBD-80 EMITTER
	SLEEVE, 3" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	1" DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE

LANDSCAPE PLAN



SCALE 1" = 20'

IRRIGATION PLAN

NOTE:
TBOS BATTERY OPERATED TIMER CONTROLLER,
BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE
LETTERS WILL BE SUBMITTED AT THE WALK THRU.

NOTE: IRRIGATION IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, P.O. BOX 13087, AUSTIN, TEXAS 78711-3087, (512) 239-6719

ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS



REVIEWED

LANDSCAPE IRRIGATION
Drawn by: RJM
Checked by: RV
PROJECT:
EH3LI20120706-PKWY
PHASE:
PRELIM-FINAL

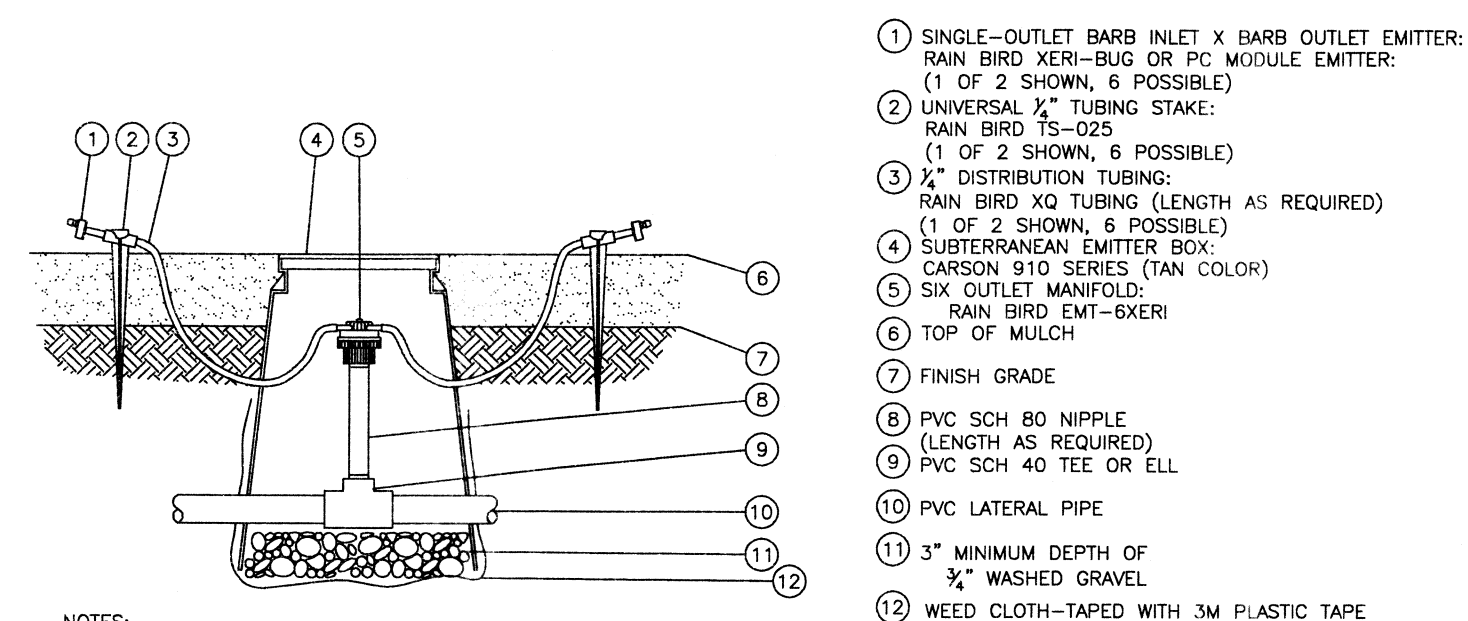
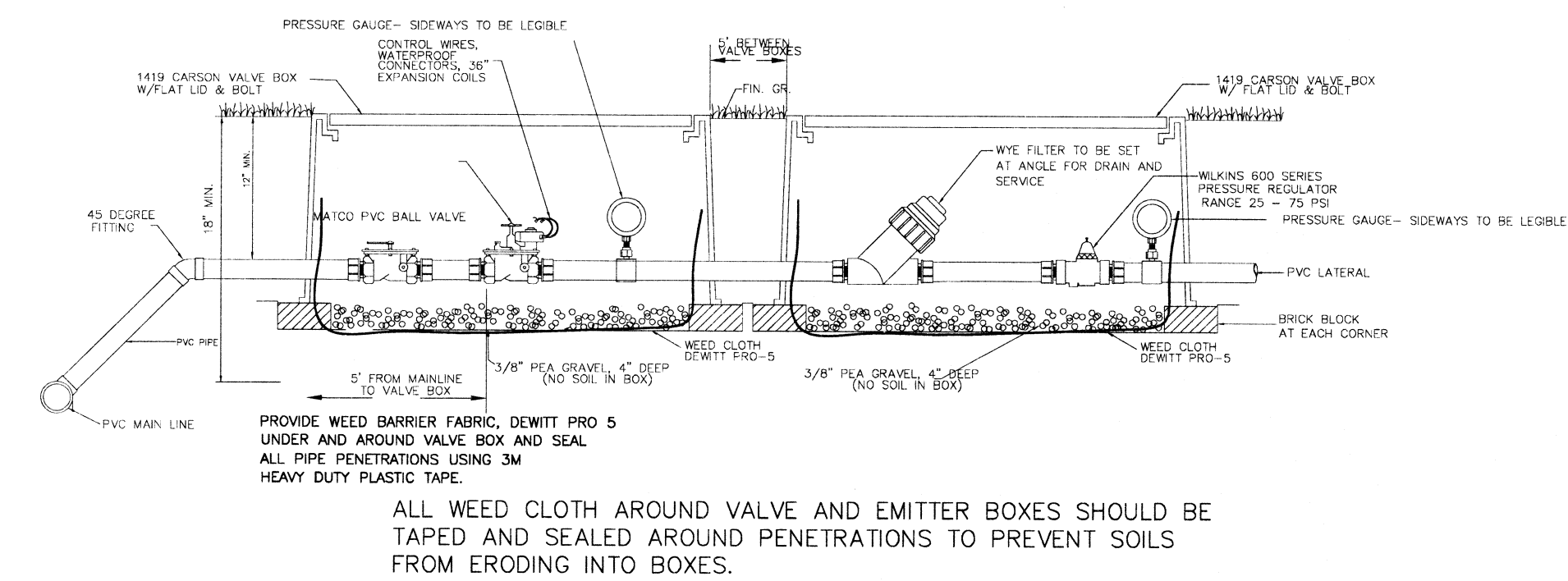
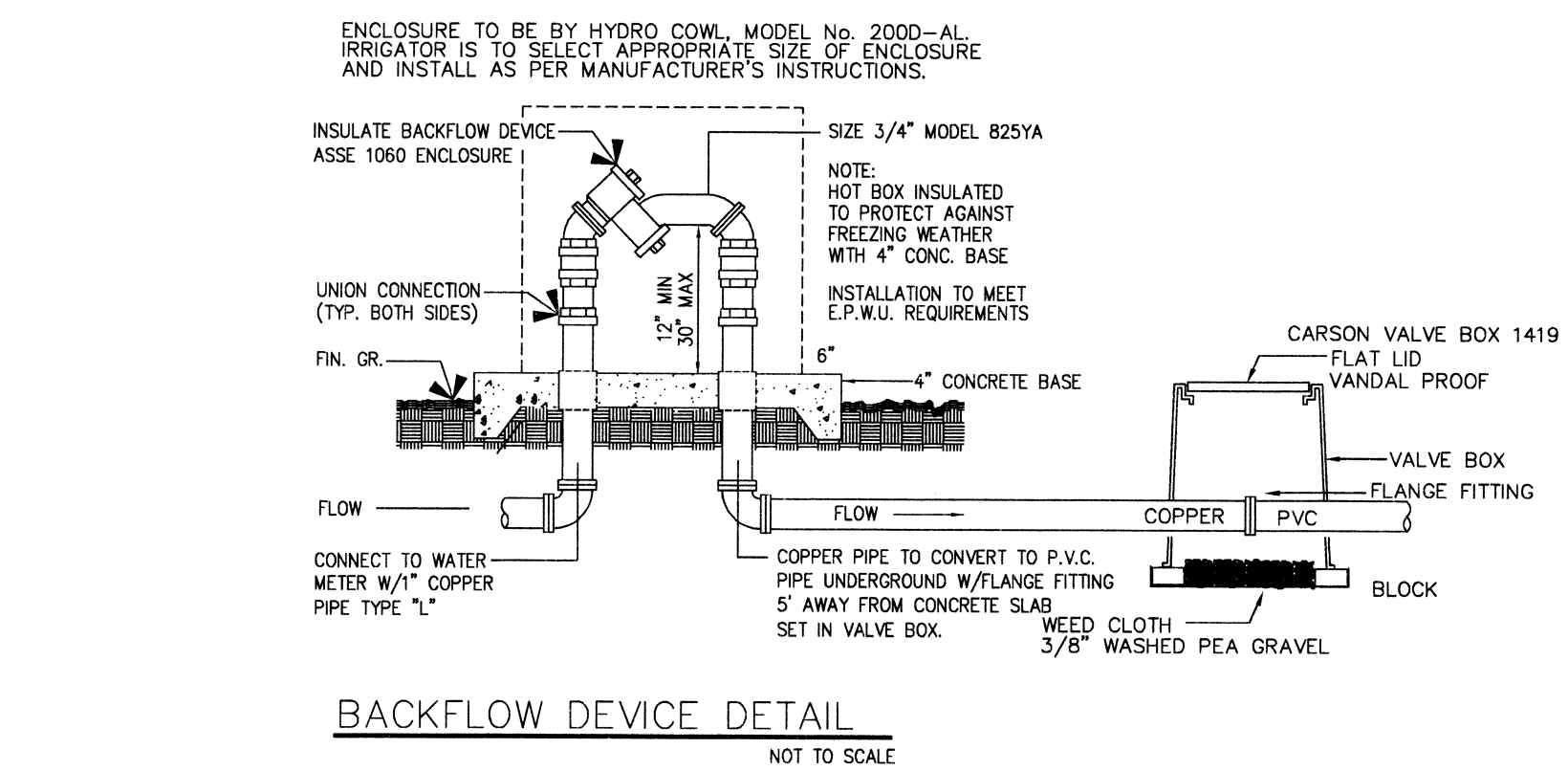
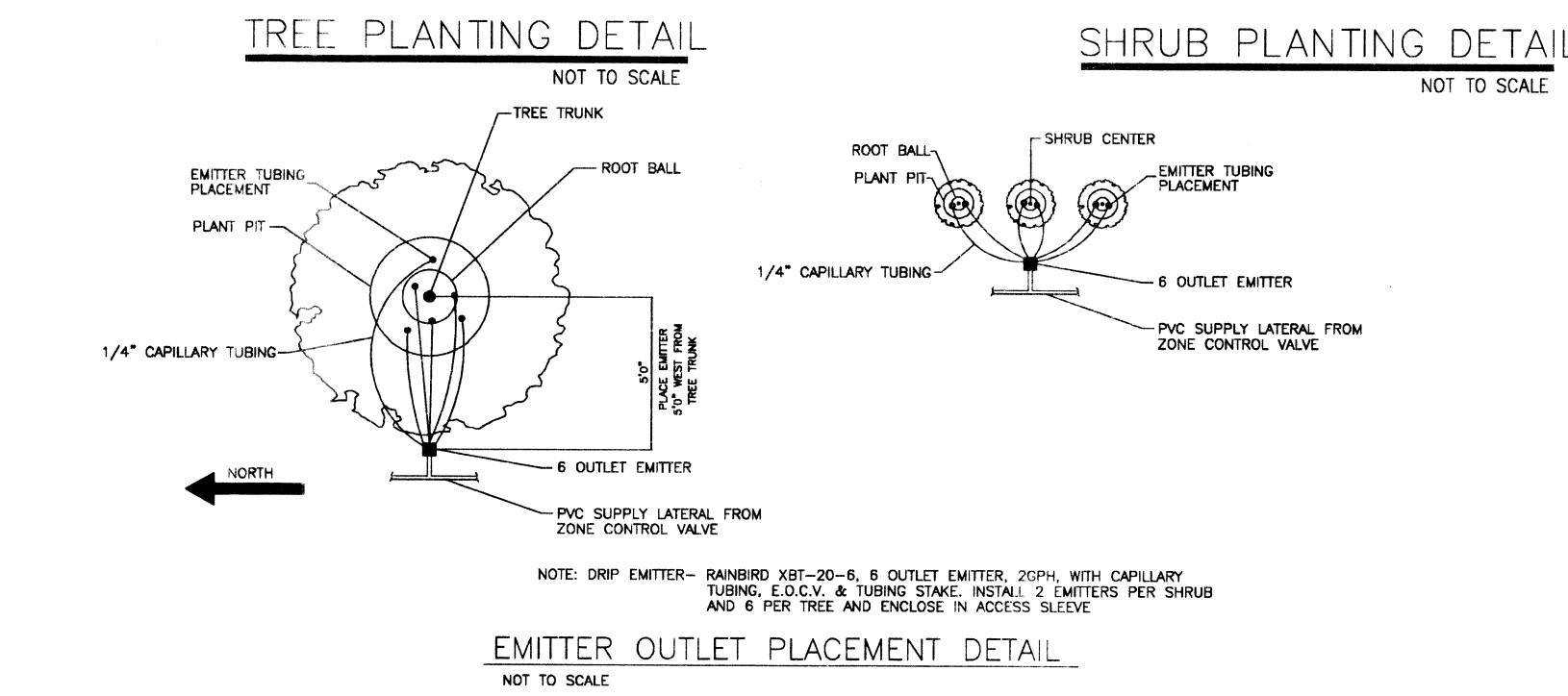
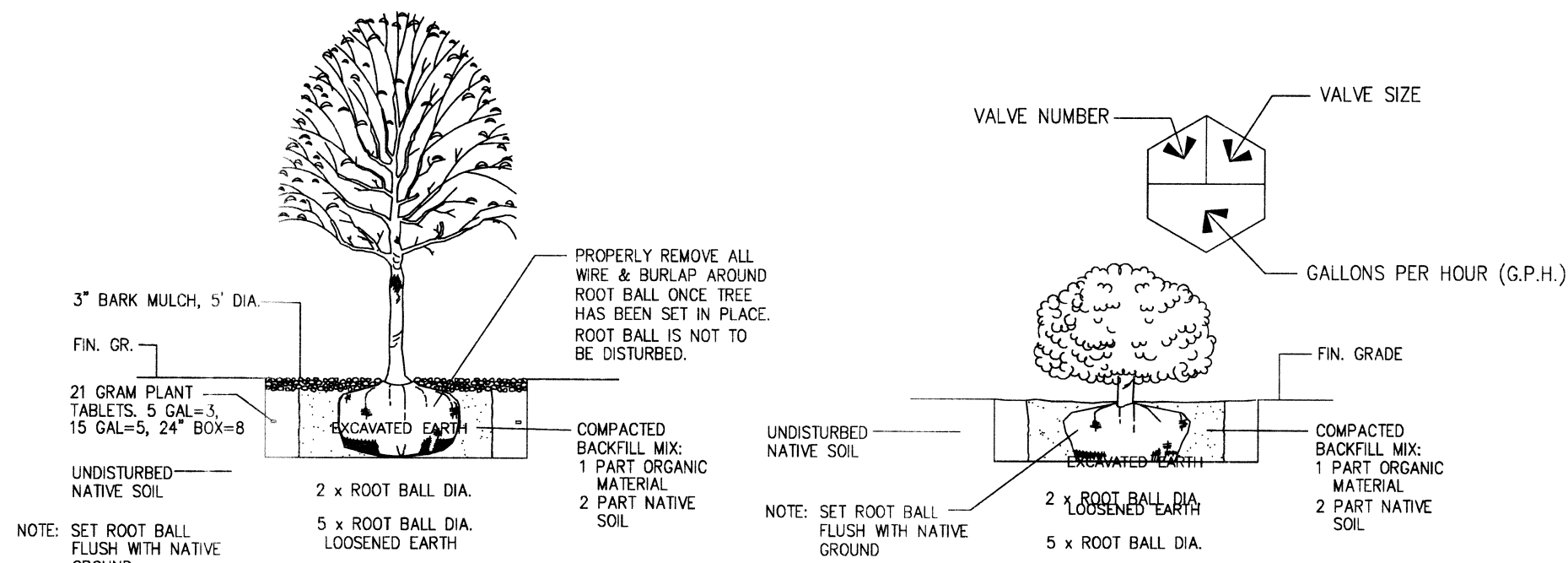
Sheet no.
11-7
Sheet no. 7 of 8

PLANT SCHEDULE									
SYM.	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HT.	WT.	FORM	DESCRIPTION
			FAN TEX ASH	FRAXINUS VELUTINA	2"	10'		TREE	DECIDUOUS
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			RED YUCCA	HESPERALOE PARVIFLORA	5 GAL.			SHRUB	EVERGREEN
			RED AUTUMN SAGE	SALVIA GREGGII	5 GAL.			SHRUB	EVERGREEN
			SOFT LEAF YUCCA	YUCCA RECURVIFOLIA	5 GAL.			SHRUB	EVERGREEN
			INDIAN HAWTHORN	RAPHELOEPIA INDICA	5 GAL.			SHRUB	EVERGREEN
GROUND COVERS									
			PARK BENCH						
			CANYON RED ROCK W/DENITI-PRO 5 WEED BARRIER OR EQUAL			3'		ROCK	GROUND COVER

TREES, SHRUBS AND GROUND COVERS

- The contractor shall coordinate the construction activities with Parks department.
- Identify field changes of trees, plants and shrubs on final asbuilt drawing.
- A complete list of plants, including sizes, quantity, and other requirements to be shown on drawings. In the event that quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern.
- The irrigation system will be installed prior to planting. Locate and maintain the irrigation system during planting operations. Repair irrigation system components, damaged during planting operation, at Contractor's expense.
- Warranty plant material to remain alive and be in healthy, vigorous condition for a period of 1 year after acceptance.
- Warranty shall not include damage or loss of trees, plants, or ground covers caused by fires, floods, freezing, rains, lightning storms, or winds over 75 miles per hour, winter kill caused by extreme cold and severe winter conditions not typical of planting area; acts of vandalism or negligence on the part of the Owner.

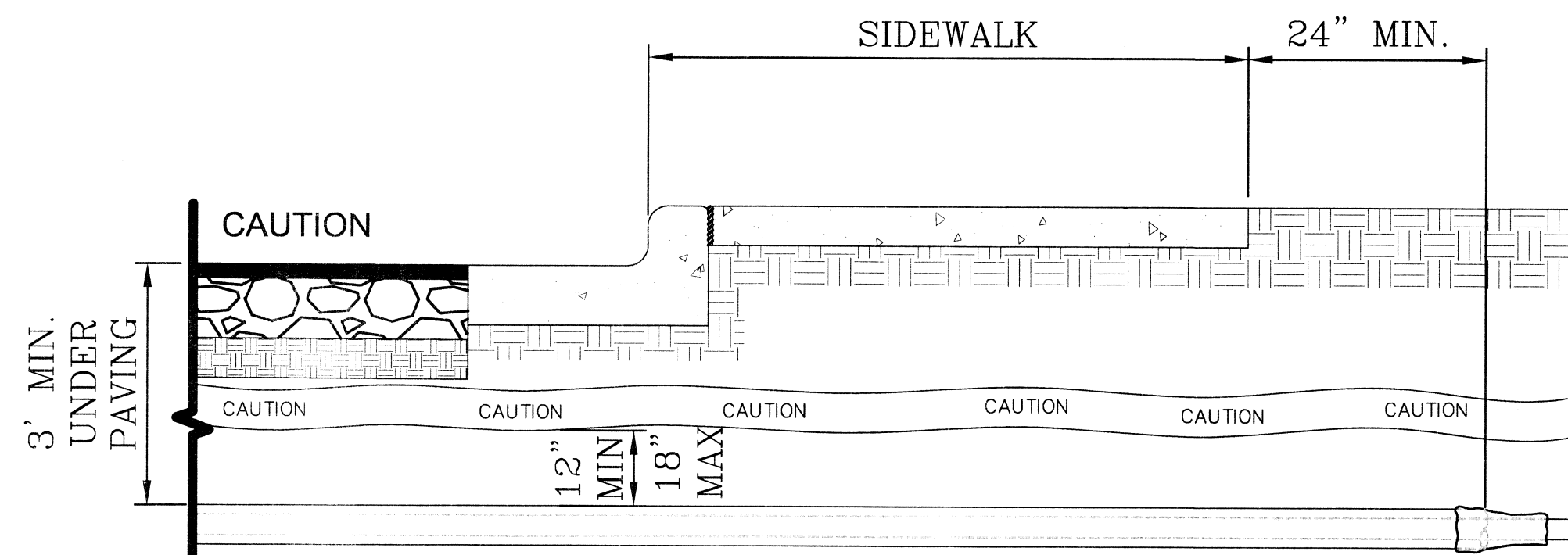
IRRIGATION LEGEND	
	FEBCO 850YA; MASTER SERIES IN LINE DESIGN DOUBLE CHECK VALVE
	RAINBIRD PE SERIES 3/4" CONTROL VALVE UNIK SYSTEM w/ 30M PRESSURE REGULATOR AND RAINBIRD "Y" FILTER
	3/4" WATER METER (BY OTHERS)
	MULTI PORT EMITTER MANIFOLD--RAINBIRD XERI--BIRD--XBD--80 EMITTER
	SLEEVE, 2 1/2" C150 SCHEDULE 40 PVC PIPE
	RAINBIRD TBOS SERIES 1 STATION BATTERY OPERATED CONTROLLER
	1 1/4" PRESSURE MAIN PIPE, C150 SCHEDULE 40 PVC PIPE
	DISTRIBUTION LATERALS; C150 SCHEDULE 40 PVC PIPE (SIZE AS NOTED)



- NOTES:
1. SHOULD THE EMITTER BECOME DISLODGED UNREGULATED FLOW WILL OCCUR.
2. THE 6 OUTLET MANIFOLD PROVIDES A CENTRALIZED WATER DISTRIBUTION CONNECTION FOR UP TO 6 EMISSION DEVICES. THE FOLLOWING EMITTERS CAN BE INSERTED INTO THE 1/2" TUBING FROM THE EMT-EXERI:

- RAIN BIRD XERI--BUG BARB X BARB EMITTERS: XB-DSPC 0.5 GPH XB-10PC 1.0 GPH XB-20PC 2.0 GPH
RAIN BIRD PC MODULE BARB X BARB EMITTERS: PC-05 5 GPH PC-07 7 GPH PC-10 10 GPH PC-12 12 GPH PC-18 18 GPH PC-24 24 GPH

D MULTI PORT EMITTER MANIFOLD--RAINBIRD XERI--BIRD--XBD--80 EMITTER



PIPE SLEEVE UNDER PAVING AND SIDEWALKS
SCALE: 1"=2'

NOTE:
TBOS BATTERY OPERATED TIMER CONTROLLER, BACKFLOW TESTS, AS BUILT DRAWING AND ACCEPTANCE LETTERS WILL BE SUBMITTED AT THE WALK THRU.

10/31/12 Redlines
02/26/13 Comments

ENCHANTED HILLS UNIT 3
HIKE AND BIKE TRAIL
EL PASO, TEXAS

ENGINEERING & CONSTRUCTION MANAGEMENT DEPARTMENT
REVIEWED

LANDSCAPE IRRIGATION
Drawn by: RJM
Checked by: RV
PROJECT: EH1LI20110501.DWG
PHASE: PRELIM-FINAL

Sheet no. LI-8
Sheet no. 8 of 8

ENCHANTED HILLS

PHASE THREE

BEING A PORTION OF TRACTS 8, 9C AND 9A,
LAURA E. MUNDY SURVEY No. 238,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING IN ALL 4,287,108.46 SQ. FT. OR
98,4185 ACRES OF LAND MORE OR LESS

LINE TABLE				CURVE TABLE				CURVE TABLE				CURVE TABLE				CURVE TABLE				CURVE TABLE				PARCEL TABLE				PARCEL TABLE				PARCEL TABLE				PARCEL TABLE			
LINE	BEARING	LENGTH	DELTA	CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA	CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA	CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA	LOT	SQUARE FOOTAGE	ACRES	LOT	SQUARE FOOTAGE	ACRES	LOT	SQUARE FOOTAGE	ACRES	LOT	SQUARE FOOTAGE	ACRES	LOT	SQUARE FOOTAGE	ACRES			
L1	S 77°32'49"	67.36		C1	50.00	60.85	34.84	57.16	N 72°41'11"	C13	60.00	45.15	23.57	44.32	S 70°21'40"	C265	441.90	42.14				C394	30.00	46.44	25.13	41.34	S 02°08'53"	68.4171		B74	1.07	18,229.29	0.417	B74	1.07	18,229.29	0.417		

SHALL BE FROM OTHER DEDICATED STREETS ONLY.

ENCHANTED HILLS UNIT THREE BY THE EL PASO PUBLIC SERVICE BOARD

THE SUBDIVISION FURNISHING FACILITIES IS LOCATED ON DESERT BOULEVARD

THE INSTRUMENT ASSURING RELEASE OF ACCESS IS FILED IN EL PASO COUNTY CLERK'S OFFICE.

THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO ENCHANTED HILLS UNIT THREE IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE.

THE TEXAS WATER CODE, WATER AND SEWER SERVICES WILL BE EXTENDED TO HAZARDOUS, NOT DETERMINED, NONE OF THE RESIDENTIAL AREAS WITHIN ZONE A, NORTH AND WILL BE CONSTRUCTED TO SERVE THIS SUBDIVISION WITHIN TWO (2) YEARS OF DATE OF THE FILING OF THIS PLAN.

THIS SUBDIVISION LIES WITHIN THE CANTON INDEPENDENT SCHOOL DISTRICT

This property is subject to impact fees. Impact fees shall be calculated as follows:

Chapter 395 of the Texas Local Government Code authorizes the City of El Paso to adopt and impose water and wastewater impact fees. This plan meets the criteria established by Chapter 395 and sets the measurement of the impact fees in accordance with the impact fee schedule adopted by City Council as set forth below. The collection of the impact fee for a subdivision shall be paid at the time a building permit is issued if development is within the city limits or at the time of the meter connection if development is outside the city limits.

LEGEND	WESTSIDE SERVICE AREA			
	METER SIZE	METER RATIO	WATER	WASTEWATER
▲	LESS THAN 1 INCH	1.00	\$669.00	\$927.00
◆	1 INCH	1.67	\$1,101.00	\$1,548.00
◊	EXISTING CITY MONUMENT	1 INCH	3.33	\$2,195.00 / \$3,087.00
◈	PROPOSED NCDBU	3 INCH	10.00	\$6,593.00 / \$9,270.00
---	FLOOD ZONE LIMITS	6 INCH	33.33	\$21,973.00 / \$30,897.00
		8 INCH	53.33	\$35,158.00 / \$49,437.00
		10 INCH	76.67	\$50,545.00 / \$70,073.00

* Fees do not apply to water meter or connections made for standby fire protection service.

NOTES:

- FOR CURVE, LINE AND PARCEL TABLES SEE SHEET 3 OF 3.
- SUBDIVISION TO BE SERVICED BY U.S. POSTAL SERVICE, ANY ALTERNATE AND/OR ADDITIONAL NCDBU LOCATION IS TO BE COORDINATED WITH MANAGEMENT DIVISION OF THE U.S. POSTAL SERVICE.
- SIDEWALKS FOR ALL STREETS WITHIN AND ABUTTING THIS SUBDIVISION WILL BE PROVIDED BY BUILDER AND DEVELOPER (SEE STREET IMPROVEMENT PLANS).
- RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE COUNTY CLERK, DEED AND RECORD SECTION, INSTRUMENT NO. DATE.
- THE ABOVE REFERENCED SUBDIVISION IS WITHIN ZONES "A" and "C", EXPLANATION OF ZONE "A": AREAS OF 100+ YEAR FLOOD, BASE FLOOD FLOODING AND FLOOD HAZARDS. NOT DETERMINED, NONE OF THE RESIDENTIAL AREAS WITHIN ZONE A, NORTH AND WILL BE CONSTRUCTED TO SERVE THIS SUBDIVISION WITHIN TWO (2) YEARS OF DATE OF THE FILING OF THIS PLAN.
- VEHICULAR ACCESS TO LOT 1, BLOCK 15, LOTS 1 AND 14-29, BLOCK 20 ABUTTING ENCHANTED PASS DRIVE, LOTS 48-47 AND 50, BLOCK 1, LOTS 10-12, 20-26 AND 30, BLOCK 8, LOTS 11 AND 11, BLOCK 12, LOTS 1-3 AND 38, BLOCK 13, LOTS 21-27, BLOCK 14, LOT 42, BLOCK 15 ABUTTING NORTHWESTERN DRIVE, LOT 2, BLOCK 10 AND LOT 1, BLOCK 8 ABUTTING ENCHANTED STREETS SHALL BE FROM OTHER DEDICATED STREETS ONLY.
- THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO ENCHANTED HILLS UNIT THREE IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE. WATER AND SEWER SERVICES WILL BE EXTENDED TO HAZARDOUS, NOT DETERMINED, NONE OF THE RESIDENTIAL AREAS WITHIN ZONE A, NORTH AND WILL BE CONSTRUCTED TO SERVE THIS SUBDIVISION WITHIN TWO (2) YEARS OF DATE OF THE FILING OF THIS PLAN.
- THIS SUBDIVISION LIES WITHIN THE CANTON INDEPENDENT SCHOOL DISTRICT

W.O. 015096-1C (UNIT THREE)
PREPARATION DATE: NOVEMBER 2, 2011
REVISED DATE: FEBRUARY 13, 2012

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Roe Engineering, L.C.
EL PASO, TEXAS

REVIEWED

ENCHANTED HILLS UNIT THREE

BEING A PORTION OF TRACTS 8, 9C AND 9A,
 LAURA E. MUNDY SURVEY No. 238,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS
 CONTAINING IN ALL 4,287,108.46 SQ. FT. OR
 98.4185 ACRES OF LAND MORE OR LESS

OWNER'S DEDICATION, CERTIFICATION

STATE OF TEXAS
 COUNTY OF EL PASO

EP TRANSMOUNTAIN RESIDENTIAL, L.L.C., PROPERTY OWNER(S) OF THIS LAND HEREBY PRESENT THIS MAP AND DEDICATE TO THE USE OF THE PUBLIC THE STREET RIGHT-OF-WAYS, PUBLIC DRAINAGE RIGHT-OF-WAYS / PONDS / WITH PEDESTRIAN ACCESS, PUBLIC OPEN SPACE, PUBLIC DRAINAGE / SLOPE EASEMENT, PARKS AND UTILITY EASEMENTS AS HEREON LAID DOWN AND DESIGNATED, INCLUDING EASEMENTS FOR OVERHANG OF SERVICE WIRES FOR POLE TYPE UTILITIES, AND BURIED SERVICE WIRES CONDUITS AND PIPES FOR UNDERGROUND UTILITIES AND THE RIGHT TO INGRESS AND EGRESS FOR SERVICE AND CONSTRUCTION AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS.

EP TRANSMOUNTAIN RESIDENTIAL L.L.C.

BY: _____
 DOUGLAS A. SCHWARTZ, MANAGER

ACKNOWLEDGMENT

STATE OF TEXAS
 COUNTY OF EL PASO

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED DOUGLAS A. SCHWARTZ, MANAGER OF EP TRANSMOUNTAIN RESIDENTIAL, L.L.C., KNOWN BY ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN STATED.

GIVEN UNDER MY HAND AND SEAL THIS _____ DAY OF _____, 2013 A.D.

 NOTARY PUBLIC IN AND FOR EL PASO COUNTY, TEXAS
 MY COMMISSION EXPIRES _____

CITY PLAN COMMISSION

THIS SUBDIVISION IS HEREBY APPROVED AS TO THE PLATTING AND AS TO THE CONDITIONS OF THE DEDICATION IN ACCORDANCE WITH CHAPTER 212 OF THE LOCAL GOVERNMENT CODE OF TEXAS THIS _____ DAY OF _____, 2013 A.D.

EXECUTIVE SECRETARY _____ CHAIRPERSON _____
 APPROVED FOR FILING THIS _____ DAY OF _____, 2013 A.D.

 CITY DEVELOPMENT DIRECTOR

COUNTY CLERK'S RECORDING CERTIFICATE

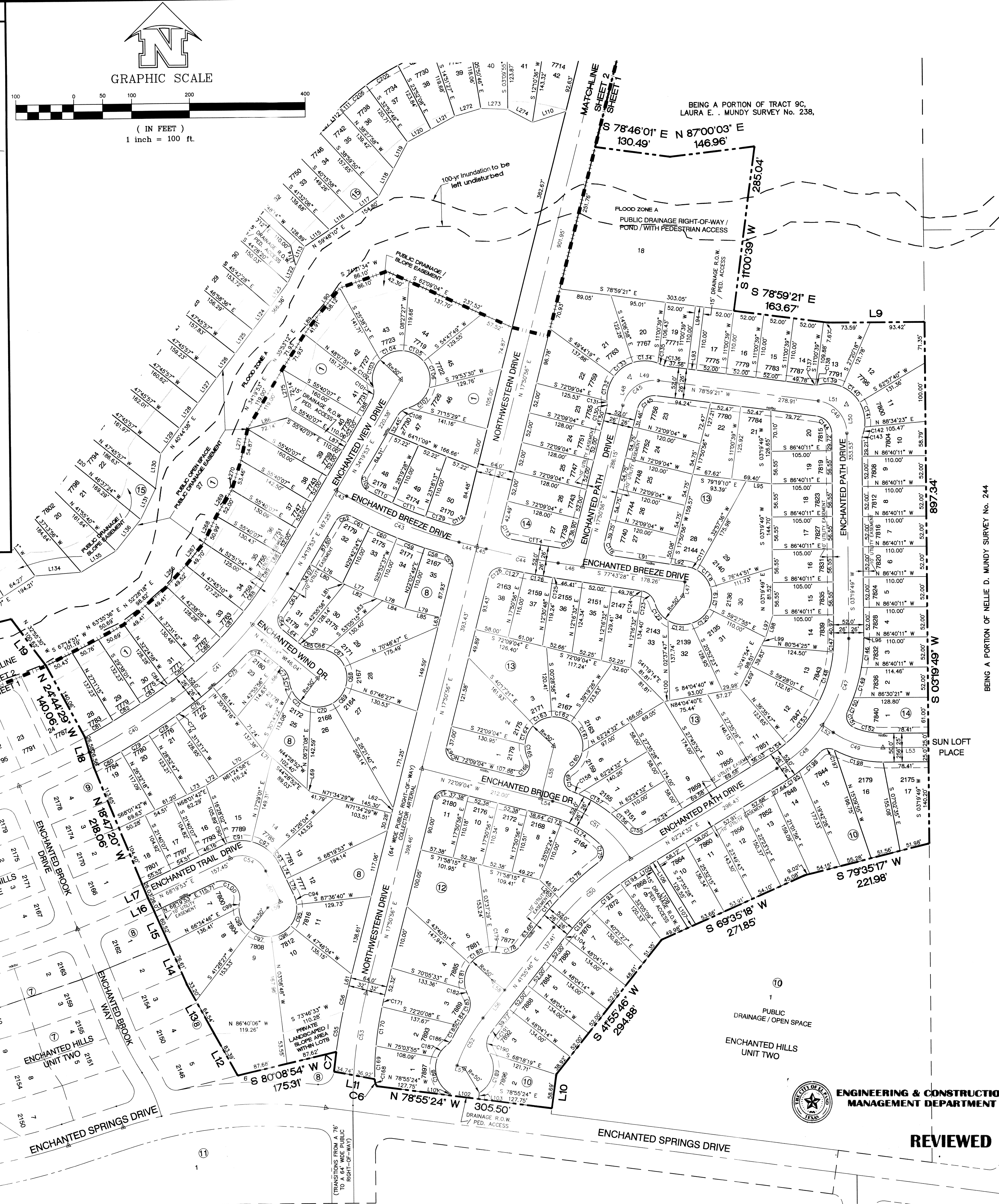
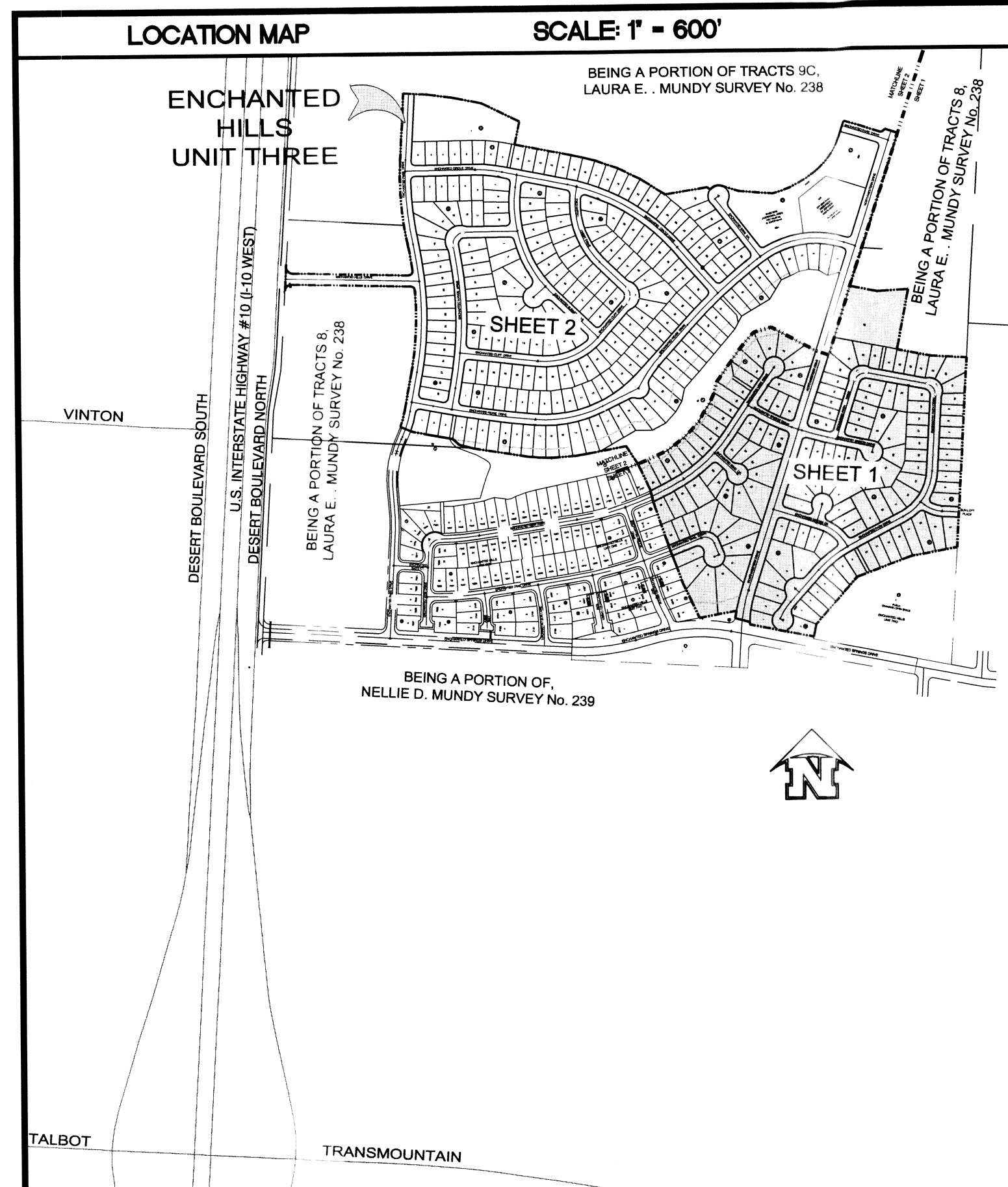
_____, COUNTY CLERK OF EL PASO COUNTY, CERTIFY THAT THE PLAT BEARING THIS CERTIFICATE WAS FILED AND RECORDED UNDER THE INSTRUMENT NO. _____, IN THE PLAT RECORDS OF THE EL PASO COUNTY.

COUNTY CLERK _____ DATE _____
 By: Deputy _____ DATE _____

I HEREBY CERTIFY THAT THIS PLAT REPRESENTS A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION AND IS IN COMPLIANCE WITH THE CURRENT TEXAS BOARD OF PROFESSIONAL LAND SURVEYING, PROFESSIONAL AND TECHNICAL STANDARDS, REGISTERED PUBLIC LAND SURVEYOR No. 2449

PREPARED BY AND UNDER THE SUPERVISION OF BRADLEY ROE,
 REGISTERED PROFESSIONAL ENGINEER No. 31886

"TAX CERTIFICATE(S) FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORDS SECTION, INSTRUMENT NO. _____"
 DATE _____



NOTES:

- FOR CURVE, LINE AND PARCEL TABLES SEE SHEET 3 OF 3.
- SUBDIVISION TO BE SERVICED BY THE U.S. POSTAL SERVICE, ANY ALTERNATE AND / OR ADDITIONAL NCDBU LOCATION IS TO BE COORDINATED WITH THE GROWTH MANAGEMENT DIVISION OF THE U.S. POSTAL SERVICE.
- SIDEWALKS FOR ALL STREETS WITHIN AND ABUTTING THIS SUBDIVISION WILL BE PROVIDED BY BUILDER AND DEVELOPER (SEE STREET IMPROVEMENT PLANS).
- RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION, INSTRUMENT No. _____ DATE _____
- THE ABOVE REFERENCED SUBDIVISION IS WITHIN ZONES "A" and "C". EXPLANATION OF ZONE "A": AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARDS NOT DETERMINED. NONE OF THE RESIDENTIAL LOTS ARE WITHIN ZONE "A". EXPLANATION OF ZONE "C": AREA OF MINIMAL FLOODING ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS, AS PER AREA COMMUNITY PANEL NO. 480214 0011 C, DATED FEBRUARY 5, 1986.
- VEHICULAR ACCESS TO LOT 1, BLOCK 15, LOT 2, BLOCK 17, LOTS 1 AND 14-29, BLOCK 20 ABUTTING ENCHANTED BREEZE DRIVE, LOTS 45-47 AND 50, BLOCK 1, LOTS 10-13, 26-29 AND 35, BLOCK 8, LOTS 1-5 AND 11, BLOCK 12, LOTS 1-3 AND 38, BLOCK 13, LOTS 21-27, BLOCK 14, LOT 42, BLOCK 15 ABUTTING NORTHWESTERN DRIVE, LOT 2, BLOCK 10 AND LOT 1, BLOCK 12; ABUTTING ENCHANTED SPRINGS SHALL BE FROM OTHER DEDICATED STREETS ONLY. THE INSTRUMENT ASSURING RELEASE OF ACCESS IS FILED IN EL PASO COUNTY CLERK'S OFFICE.
 INSTRUMENT NO. _____ DATE _____
- "THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO ENCHANTED HILLS UNIT THREE BY THE EL PASO PUBLIC SERVICE BOARD IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE. WATER AND SEWER SERVICES WILL BE EXTENDED TO THE SUBDIVISION FROM EXISTING FACILITIES LOCATED ON DESERT BOULEVARD NORTH, AND WILL BE CONSTRUCTED TO SERVE THIS SUBDIVISION WITHIN TWO (2) YEARS OF DATE OF THE FILING OF THIS PLAT.
- THIS SUBDIVISION LIES WITHIN THE CANUTILLO INDEPENDENT SCHOOL DISTRICT

This property is subject to impact fees. Impact fees shall be calculated based on the table below.

Chapter 395 of the Texas Local Government Code authorizes the City of El Paso to adopt and impose water and wastewater impact fees. This plat note fulfills an obligation mandated by Chapter 395 and sets the assessment of the impact fees in accordance with the impact fee schedule adopted by City Council as set forth below. The collection of the impact fee for this subdivision shall be prior to the time a building permit is issued if development is within the city limits or at the time of the meter connection if development is outside the city limits.

WESTSIDE SERVICE AREA			
METER SIZE	METER CAPACITY RATIO	WATER	WASTEWATER
LESS THAN 1 INCH	1.00	\$659.00	\$927.00
1 INCH	1.67	\$1,101.00	\$1,548.00
1 1/2 INCH	3.33	\$2,195.00	\$3,087.00
2 INCH	5.33	\$3,514.00	\$4,941.00
3 INCH	10.00	\$6,393.00	\$9,270.00
4 INCH	16.67	\$10,990.00	\$15,433.00
6 INCH	33.33	\$21,973.00	\$30,897.00
8 INCH	53.33	\$35,158.00	\$49,437.00
10 INCH	76.67	\$50,545.00	\$71,073.00
12 INCH	143.33	\$94,490.00	\$132,867.00

* Fees do not apply to water meter or connections made for standby fire protection service.

W.O. 015009-1A (UNIT THREE)
 PREPARATION DATE: NOVEMBER 2, 2011
 REVISION DATE: FEBRUARY 13, 2012

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- LEGEND
- ▲ PROPOSED CITY MONUMENT
 - ◻ EXISTING CITY MONUMENT
 - nccbu PROPOSED NCDBU
 - FLOOD ZONE LIMITS

Roe Engineering, L.C.
 EL PASO, TEXAS

ENGINEERING & CONSTRUCTION
 MANAGEMENT DEPARTMENT

REVIEWED

ENCHANTED HILLS UNIT THREE

BEING A PORTION OF TRACTS 8, 9C AND 9A, LAURA E. MUNDY SURVEY No. 238,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING IN ALL 4,287,108.46 SQ. FT. OR 98.4185 ACRES OF LAND MORE OR LESS.

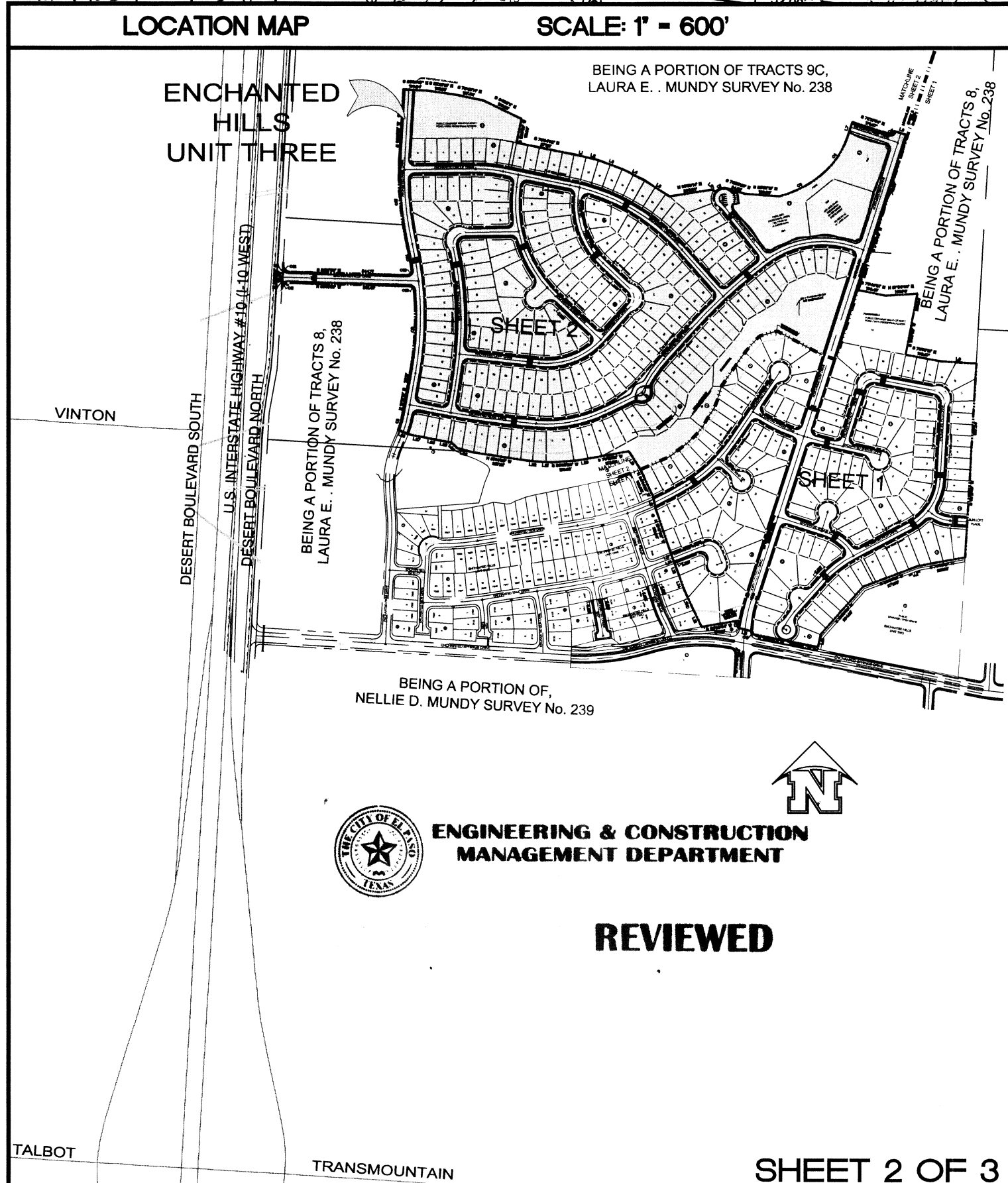
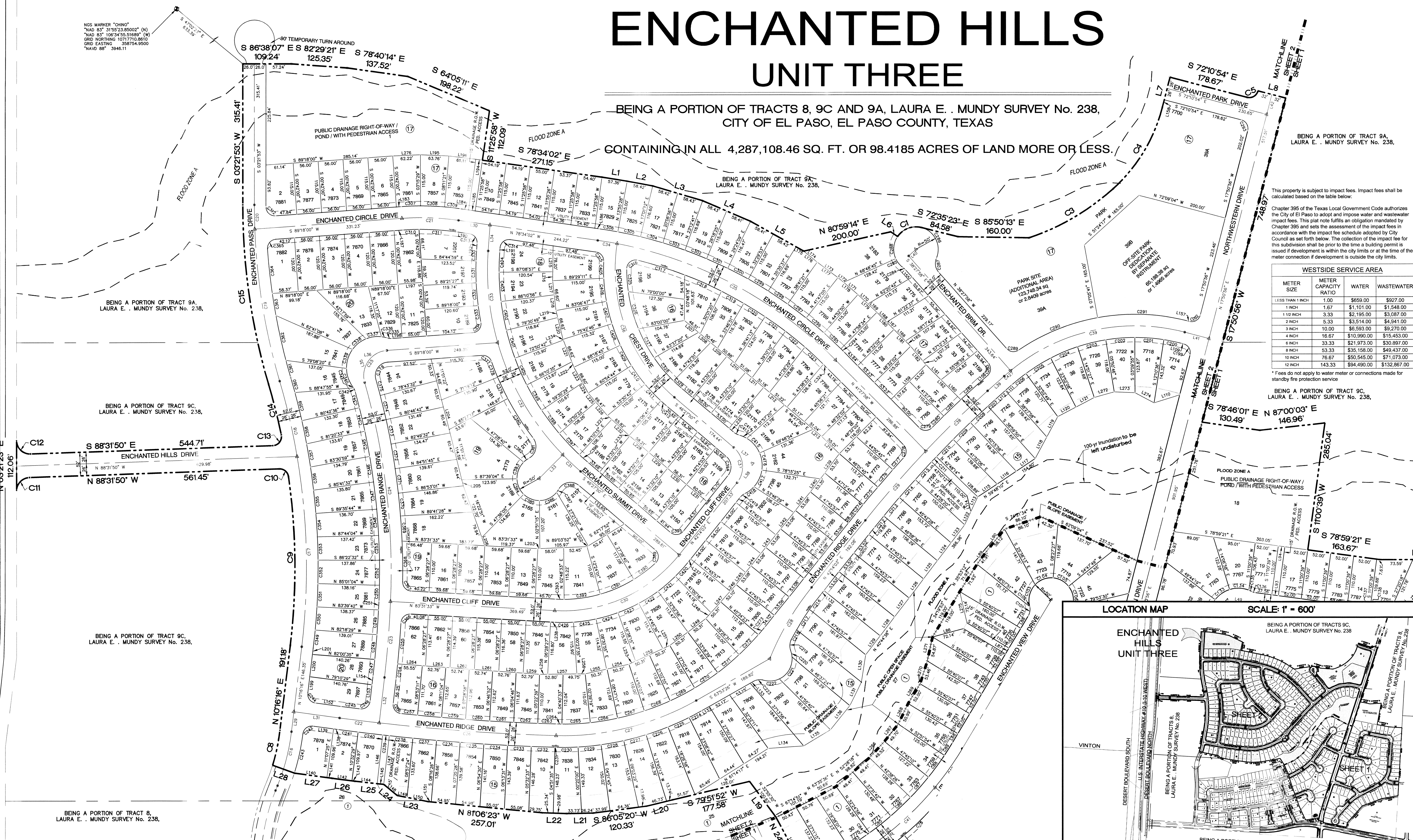
BEING A PORTION OF TRACT 9A,
LAURA E. MUNDY SURVEY No. 238.

This property is subject to impact fees. Impact fees shall be calculated based on the table below:
Chapter 395 of the Texas Local Government Code authorizes the City of El Paso to adopt and impose water and wastewater impact fees. This plat fulfills an obligation mandated by Chapter 395 and sets the assessment of the impact fees in accordance with the impact fee schedule adopted by City Council as set forth below. The collection of the impact fee for this subdivision shall be prior to the time a building permit is issued if development is within the city limits or at the time of the meter connection if development is outside the city limits.

WESTSIDE SERVICE AREA			
METER SIZE	METER CAPACITY RATIO	WATER	WASTEWATER
LESS THAN 1 INCH	1.00	\$659.00	\$927.00
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12 INCH	143.33	\$94,490.00	\$132,867.00

* Fees do not apply to water meter or connections made for standby fire protection service.

BEING A PORTION OF TRACT 9C,
LAURA E. MUNDY SURVEY No. 238.

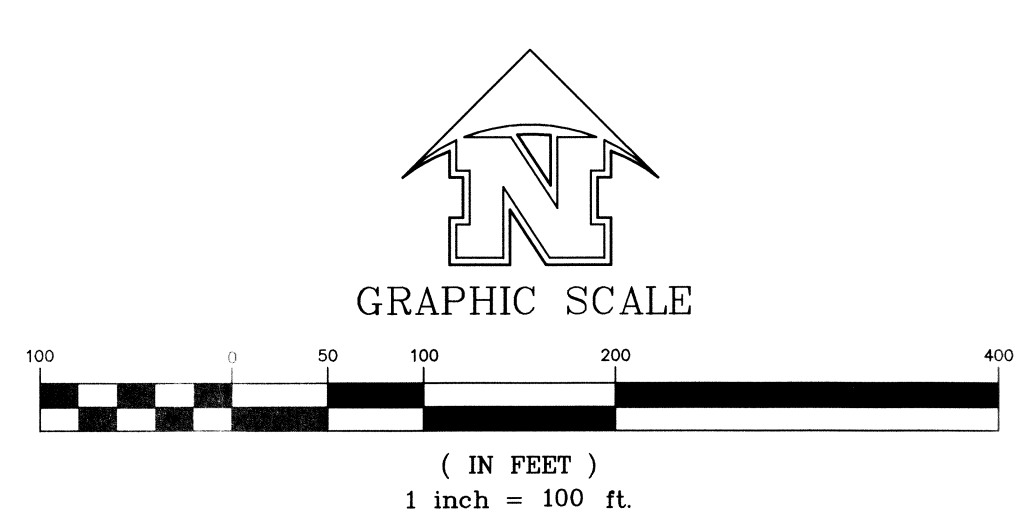


U.S. INTERSTATE HIGHWAY #10 (I-10 WEST)
TWO RIGHT-OF-WAY MARKS FROM 350' TO 400'

- LEGEND**
- ▲ PROPOSED CITY MONUMENT
 - ◆ EXISTING CITY MONUMENT
 - ncdbu PROPOSED NDCBU
 - FLOOD ZONE LIMITS
 - DENOTES SET 5/8" REBAR WITH YELLOW PLASTIC CAP STAMPED TX 2449, ROE ENGR., L.C. UNLESS OTHERWISE NOTED.

- NOTES:**
1. FOR CURVE, LINE AND PARCEL TABLES SEE SHEET 3 OF 3.
 2. SUBDIVISION TO BE SERVICED BY THE U.S. POSTAL SERVICE, ANY ALTERNATE AND/OR ADDITIONAL NDCBU LOCATION IS TO BE COORDINATED WITH THE GROWTH MANAGEMENT DIVISION OF THE U.S. POSTAL SERVICE.
 3. SIDEWALKS FOR ALL STREETS WITHIN AND ABUTTING THIS SUBDIVISION WILL BE PROVIDED BY BUILDER AND DEVELOPER (SEE STREET IMPROVEMENT PLANS).
 4. RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION, INSTRUMENT No. _____ DATE _____
 5. THE ABOVE REFERENCED SUBDIVISION IS WITHIN ZONES "A" AND "C". EXPLANATION OF ZONE "A": AREAS OF 100-YEAR FLOOD, BASE FLOOD ELEVATIONS AND FLOOD HAZARDS NOT DETERMINED. NONE OF THE RESIDENTIAL LOTS ARE WITHIN ZONE "A". EXPLANATION OF ZONE "C": AREA OF MINIMAL FLOODING. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS, AS PER AREA COMMUNITY PANEL NO. 480214 0011 C, DATED FEBRUARY 5, 1986.

6. VEHICULAR ACCESS TO LOT 1, BLOCK 15, LOT 2, BLOCK 17, LOTS 1 AND 14-29, BLOCK 30 ABUTTING ENCHANTED PASS DRIVE, LOTS 45-47 AND 50, BLOCK 1, LOTS 10-13, 26-29 AND 35, BLOCK 8, LOTS 1-5 AND 11, BLOCK 12, LOTS 1-3 AND 38, BLOCK 13, LOTS 21-27, BLOCK 14, LOT 42, BLOCK 15 ABUTTING NORTHWESTERN DRIVE, LOT 2, BLOCK 10 AND LOT 1, BLOCK 12 ABUTTING ENCHANTED SPRINGS SHALL BE FROM OTHER DEDICATED STREETS ONLY. THE INSTRUMENT ASSURING RELEASE OF ACCESS IS FILED IN EL PASO COUNTY CLERK'S OFFICE.
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7. *THIS IS TO CERTIFY THAT WATER AND SEWER SERVICES WILL BE PROVIDED TO ENCHANTED HILLS UNIT THREE BY THE EL PASO PUBLIC SERVICE BOARD IN ACCORDANCE WITH THEIR RULES AND REGULATIONS AND WITH SECTION 16.343 OF THE TEXAS WATER CODE. WATER AND SEWER SERVICES WILL BE EXTENDED TO THE SUBDIVISION FROM EXISTING FACILITIES LOCATED ON DESERT BOULEVARD NORTH, AND WILL BE CONSTRUCTED TO SERVE THIS SUBDIVISION WITHIN TWO (2) YEARS OF DATE OF THE FILING OF THIS PLAT.
8. THIS SUBDIVISION LIES WITHIN THE CANUTILLO INDEPENDENT SCHOOL DISTRICT



W.D. 011509-1A (UNIT THREE)
PREPARATION DATE: NOVEMBER 2, 2011
REVISION DATE: FEBRUARY 13, 2012

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Roe Engineering, L.C.
EL PASO, TEXAS

ENGINEERING & CONSTRUCTION
MANAGEMENT DEPARTMENT

REVIEWED