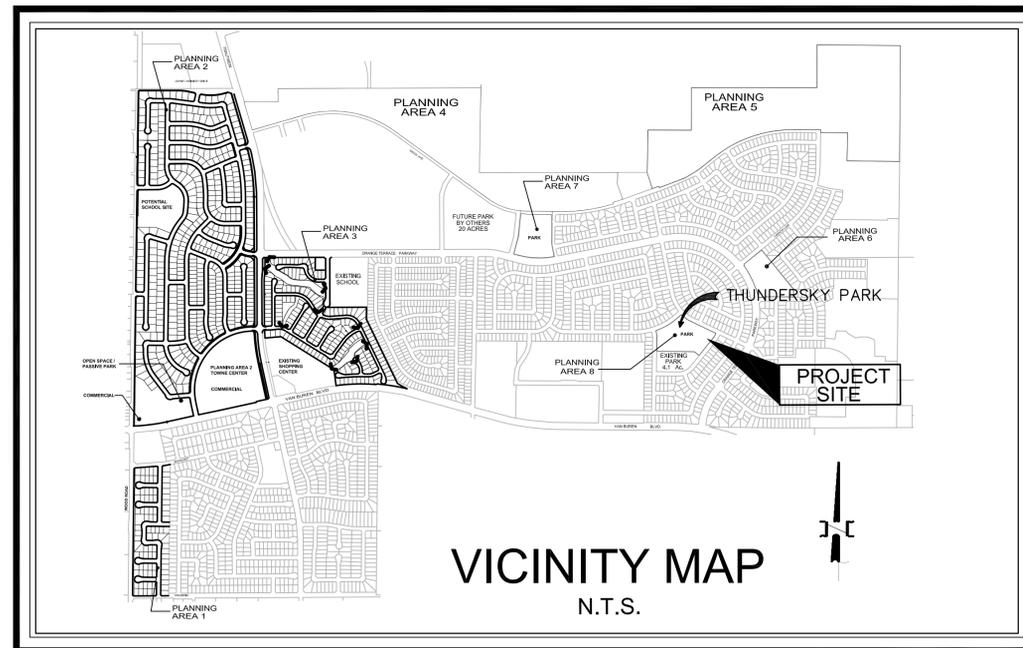


# THUNDERSKY PARK

## 8.7 ACRE ADDITION

ORANGECREST COUNTRY  
RIVERSIDE, CALIFORNIA



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- T-1 TITLE SHEET
- D-1 EXISTING CONDITIONS/DEMOLITION PLAN
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- E-1 - E-3 ELECTRICAL/LIGHTING PLANS
- I-1 IRRIGATION PLAN
- I-2 IRRIGATION DETAILS
- L-1 PLANTING PLAN
- L-2 PLANTING DETAILS

### DEVELOPER

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181 OLD SPRINGS ROAD  
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### CONTACT

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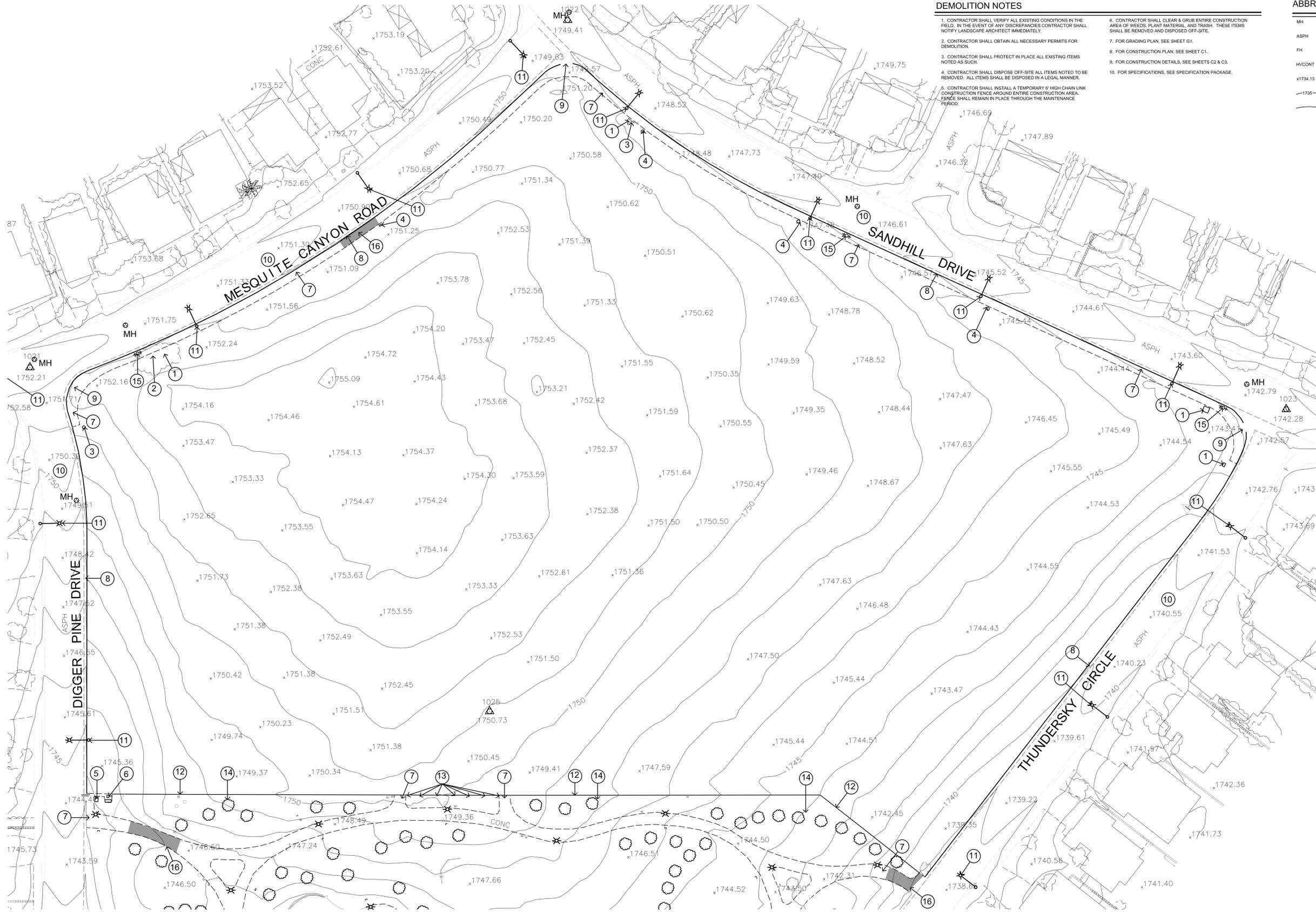
THUNDERSKY PARK  
8.7 ACRE ADDITION  
TITLE SHEET

ORANGECREST COUNTRY  
Communities Southwest  
181 old springs road  
anaheim, california 92808  
1 714 279.6555 fax 1714 279.6556  
contact: Mary Rauschenburg




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T-1



**DEMOLITION NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD. IN THE EVENT OF ANY DISCREPANCIES CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY.
2. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION.
3. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING ITEMS NOTED AS SUCH.
4. CONTRACTOR SHALL DISPOSE OFF-SITE ALL ITEMS NOTED TO BE REMOVED. ALL ITEMS SHALL BE DISPOSED IN A LEGAL MANNER.
5. CONTRACTOR SHALL INSTALL A TEMPORARY 6" HIGH CHAIN LINK CONSTRUCTION FENCE AROUND ENTIRE CONSTRUCTION AREA. FENCE SHALL REMAIN IN PLACE THROUGH THE MAINTENANCE PERIOD.
6. CONTRACTOR SHALL CLEAR & GRUB ENTIRE CONSTRUCTION AREA OF WEEDS, PLANT MATERIAL, AND TRASH. THESE ITEMS SHALL BE REMOVED AND DISPOSED OFF-SITE.
7. FOR GRADING PLAN, SEE SHEET G1.
8. FOR CONSTRUCTION PLAN, SEE SHEET C1.
9. FOR CONSTRUCTION DETAILS, SEE SHEETS C2 & C3.
10. FOR SPECIFICATIONS, SEE SPECIFICATION PACKAGE.

**ABBREVIATIONS**

- MH EXISTING MANHOLE
- ASPH EXISTING ASPHALT STREET
- FH EXISTING FIREHYDRANT
- HVCONT EXISTING ?
- x1734.13 EXISTING SPOT ELEVATION
- 1735— EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR

**LEGEND**

- |   |   |  |
|---|---|--|
| 1 EXISTING ELECTRICAL BOX/VAULT -<br>PROTECT IN PLACE.          | 7 EXISTING CONCRETE SIDEWALK -<br>PROTECT IN PLACE.           | 13 EXISTING IRRIGATION VALVES -<br>PROTECT IN PLACE.         |
| 2 EXISTING WATER B.O. -<br>PROTECT IN PLACE.                    | 8 EXISTING CONCRETE CURB & GUTTER -<br>PROTECT IN PLACE.      | 14 EXISTING LANDSCAPE @ EXISTING PARK -<br>PROTECT IN PLACE. |
| 3 EXISTING GTE BOX -<br>PROTECT IN PLACE.                       | 9 EXISTING HANDICAP RAMP -<br>PROTECT IN PLACE.               | 15 EXISTING FIREHYDRANT -<br>PROTECT IN PLACE.               |
| 4 EXISTING CABLE TV BOX -<br>PROTECT IN PLACE.                  | 10 EXISTING A.C. STREET -<br>PROTECT IN PLACE.                | 16 EXISTING SIDEWALK TO BE REMOVED AND REPLACED.             |
| 5 EXISTING WATER METER -<br>PROTECT IN PLACE.                   | 11 EXISTING STREET LIGHT -<br>PROTECT IN PLACE.               |  |
| 6 EXISTING CONCRETE PAD W/ UTILITY BOXES -<br>PROTECT IN PLACE. | 12 EXISTING CONCRETE MOW CURB -<br>REMOVE & DISPOSE OFF SITE. |  |

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**THUNDERSKY PARK  
8.7 ACRE ADDITION/  
EXISTING CONDITIONS/  
DEMOLITION PLAN**

**ORANGECREST COUNTRY**  
Communities Southwest  
181 old springs road  
anaheim, california 92808  
1 714 279.6555 fax 1 714 279.6556  
contact: Mary Rauschenburg



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**THUNDERSKY PARK  
 8.7 ACRE ADDITION  
 GRADING PLAN**

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**THUNDERSKY PARK  
 8.7 ACRE ADDITION  
 CONSTRUCTION PLAN**

**ORANGECREST COUNTRY**  
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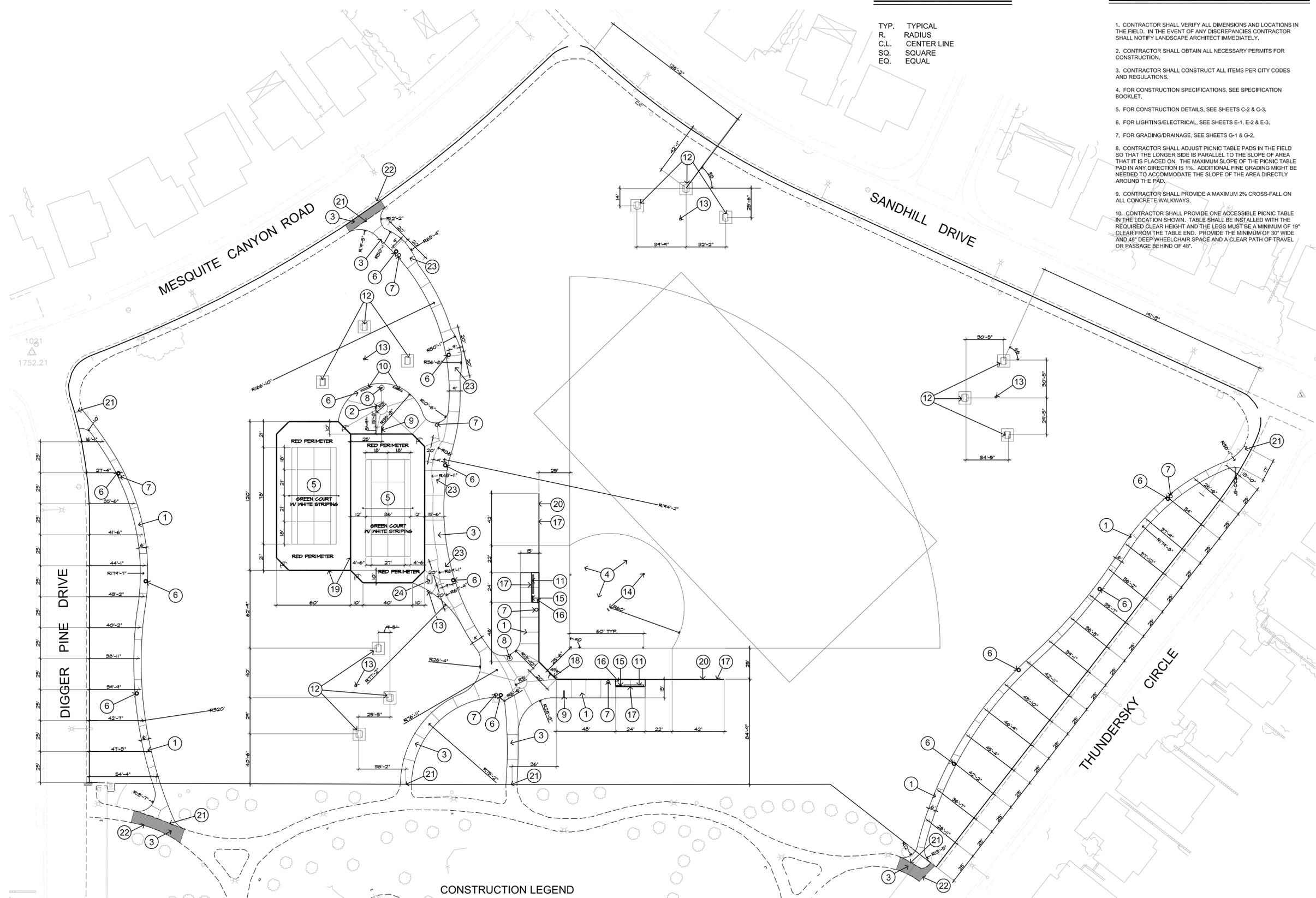
**C-1**

**CONSTRUCTION ABBREV'S.**

- TYP. TYPICAL
- R. RADIUS
- C.L. CENTER LINE
- SQ. SQUARE
- EQ. EQUAL

**CONSTRUCTION NOTES**

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS IN THE FIELD. IN THE EVENT OF ANY DISCREPANCIES CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY.
2. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION.
3. CONTRACTOR SHALL CONSTRUCT ALL ITEMS PER CITY CODES AND REGULATIONS.
4. FOR CONSTRUCTION SPECIFICATIONS, SEE SPECIFICATION BOOKLET.
5. FOR CONSTRUCTION DETAILS, SEE SHEETS C-2 & C-3.
6. FOR LIGHTING/ELECTRICAL, SEE SHEETS E-1, E-2 & E-3.
7. FOR GRADING/DRAINAGE, SEE SHEETS G-1 & G-2.
8. CONTRACTOR SHALL ADJUST PICNIC TABLE PADS IN THE FIELD SO THAT THE LONGER SIDE IS PARALLEL TO THE SLOPE OF AREA THAT IT IS PLACED ON. THE MAXIMUM SLOPE OF THE PICNIC TABLE PAD IN ANY DIRECTION IS 1%. ADDITIONAL FINE GRADING MIGHT BE NEEDED TO ACCOMMODATE THE SLOPE OF THE AREA DIRECTLY AROUND THE PAD.
9. CONTRACTOR SHALL PROVIDE A MAXIMUM 2% CROSS-FALL ON ALL CONCRETE WALKWAYS.
10. CONTRACTOR SHALL PROVIDE ONE ACCESSIBLE PICNIC TABLE IN THE LOCATION SHOWN. TABLE SHALL BE INSTALLED WITH THE REQUIRED CLEAR HEIGHT AND THE LEGS MUST BE A MINIMUM OF 19" CLEAR FROM THE TABLE END. PROVIDE THE MINIMUM OF 30" WIDE AND 48" DEEP WHEELCHAIR SPACE AND A CLEAR PATH OF TRAVEL OR PASSAGE BEHIND OF 48".

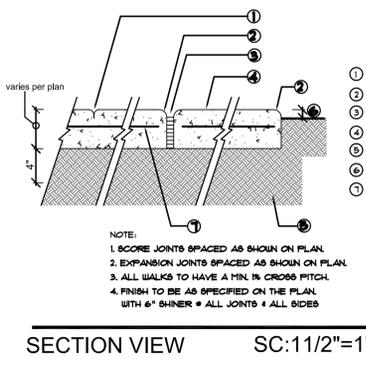


**CONSTRUCTION LEGEND**

- |   |   |  |   |   |
|---|---|--|---|---|
| 1 4" THICK CONCRETE WALK<br>SEE DETAIL "A"                      | 6 WALKWAY LIGHT<br>SEE LIGHTING PLAN        | 12 PICNIC TABLE<br>SEE CONST. NOTE "B" & DETAIL "K"              | 18 10' HIGH CHAIN LINK FENCE<br>SEE DETAIL "O"                        | 23 FLARE WALK @ LIGHT POLES ALONG DRIVEABLE WALK ONLY<br>SEE DETAIL "R" |
| 2 4" THICK COLORED CONCRETE<br>ACCENT PAVING<br>SEE DETAIL "A"  | 7 TRASH RECEPTACLES<br>SEE DETAIL "E"       | 13 BBQ UNIT<br>SEE DETAIL "L"                                    | 19 10' HIGH CHAIN LINK TENNIS<br>COURT FENCE<br>SEE DETAIL "P"        | 24 ACCESSABLE PICNIC TABLE<br>SEE NOTE 10 & DETAIL "K"                  |
| 3 6" THICK CONCRETE WALK FOR<br>VEHICULAR USE<br>SEE DETAIL "A" | 8 DRINKING FOUNTAIN<br>SEE DETAIL "F" & "G" | 14 BASEBALL BASES/EQUIPMENT<br>INSTALL PER MFG'S. SPECIFICATIONS | 20 12" W. x 6" D. CONCRETE CURB<br>AT BASE OF FENCE<br>SEE DETAIL "Q" |   |
| 4 2" THICK BRICK/CLAY MIX FOR<br>BALLFIELD INFIELD              | 9 BIKE RACK<br>SEE DETAIL "H"               | 15 BASEBALL BATRACK<br>SEE DETAIL "M"                            | 21 MEET & MATCH EXISTING<br>CONCRETE WALK                             |   |
| 5 CONCRETE TENNIS COURT<br>SEE DETAIL "B, C & D"                | 10 BENCH W/ BACK<br>SEE DETAIL "J"          | 16 BASEBALL DUGOUT<br>SEE DETAIL "N"                             | 22 EXISTING SIDEWALK TO BE REMOVED AND REPLACED.                      |   |
|   | 11 BENCH WITH BACK<br>SEE DETAIL "I"        | 17 6' HIGH CHAIN LINK FENCE<br>SEE DETAIL "O"                    |   |   |

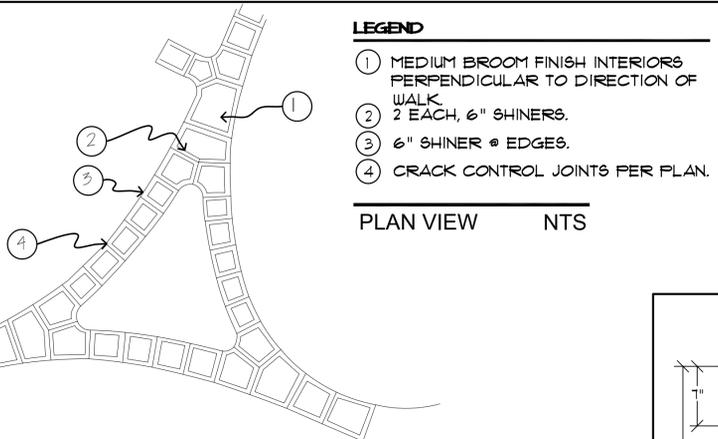


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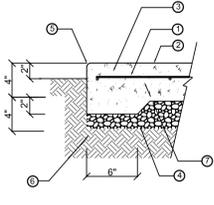
- 1 MIN. 1/2" DEEP SCORE JOINT # 9" O.C. MAX.
- 2 1/2" MAX. RADIUS TROUBLED EDGES
- 3 1/2" PREMOULDED EXPANSION JOINT # 28" O.C. MAX.
- 4 CONCRETE SUBBASE - NATURAL COLOR
- 5 COMPACTED SUBGRADE - 95% COMPACTION
- 6 1" IN TURN AREAS
- 7 2" IN GUARD AREAS
- 8 6"x6"x6" AGG SUBBASE CLASS II 95% COMPACTION
- 9 5/8" MIN. DIAMETER STEEL FIN

NOTE:  
 1. SCORE JOINTS SPACED AS SHOWN ON PLAN.  
 2. EXPANSION JOINTS SPACED AS SHOWN ON PLAN.  
 3. ALL WALKS TO HAVE A MIN. 1% CROSS PITCH.  
 4. FINISH TO BE AS SPECIFIED ON THE PLAN.  
 WITH 6" SHINER @ ALL JOINTS & ALL SIDES



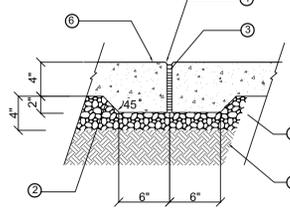
- LEGEND**
- 1 MEDIUM BROOM FINISH INTERIORS PERPENDICULAR TO DIRECTION OF WALK
  - 2 EACH, 6" SHINERS.
  - 3 6" SHINER @ EDGES.
  - 4 CRACK CONTROL JOINTS PER PLAN.

PLAN VIEW NTS



- 1 5 REBAR #2 O.C. BOTH SAYS 2" MIN. CLEAR
- 2 CONCRETE PAVING W/ACRYLIC SPORT COATING SURFACING. SEE PLANS FOR COLORS AND STRIPING.
- 3 CONC. PAVING.
- 4 AGGREGATE SUB BASE CLASS II 95% COMPACTION
- 5 1/2" RADIUS TOOLED EDGE.
- 6 COMPACTED SUBGRADE.
- 7 THICKENED EDGE @ ALL PERIMETERS AND EXP. JOINT.

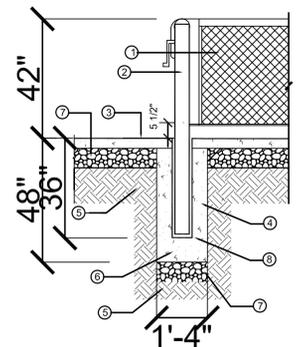
B | TENNIS COURT SC:11/2"=1'



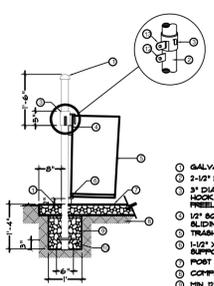
- 1 1/4" RADIUS TOOLED EDGE.
- 2 THICKENED EDGE @ EXP. JOINT AND ALL PERIMETERS
- 3 1/2" PREMOULDED EXP. JOINT W/ MASTIC CAP (COLOR TO MATCH CONCRETE).
- 4 COMPACTED SUBGRADE - 95%.
- 5 AGGREGATE SUBBASE - CLASS II 95% COMPACTION.
- 6 CONCRETE PAVING W/ACRYLIC SPORT SURFACING. SEE PLAN FOR COLORS AND STRIPING.

C | TENNIS COURT SC:11/2"=1'

A | CONCRETE PAVING/WALK

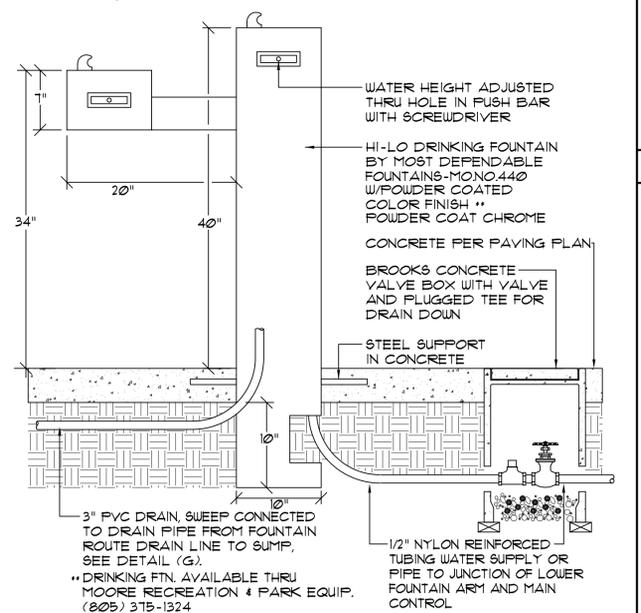


- 1 TENNIS NET - 35 MM NYLON LINE.
- 2 3" SQUARE, II GAUGE STEEL POSTS W/ INTERNAL WIND-UP MECHANISM
- 3 CONCRETE PAVING W/ ACRYLIC SPORT SURFACING. SEE PLAN FOR COLORS AND STRIPING.
- 4 GALVANIZED GROUND SLEEVE.
- 5 95% COMPACTED SUBGRADE.
- 6 CONCRETE FOOTING.
- 7 AGGREGATE SUB BASE - CLASS II 95% COMPACTION.
- 8 5/8" MIN. DIAMETER STEEL FIN



- 1 GALVANIZED METAL CAP WELDED TO TOP OF POST
- 2 2-1/2" DIA. X 8' LONG SCH. 40 GALV. STEEL POST.
- 3 3" DIA. X 8' LONG SCH. 40 GALV. STEEL COLLAR W/ DIA. 8' LONG SHARPED GALV. STEEL BAR STOCK W/ LOCK BUSH TO TOP COLLAR PROVIDE 1" GAP BETWEEN HOOK & COLLAR TO SLIDE FREELY ON POST.
- 4 1/2" SQ. X 2" LONG BAR STOCK WELDED VERTICALLY TO POST 3" FROM TOP TO ACT AS STOP FOR SLIDING COLLAR.
- 5 TRUSS CONTAINER PER SPEC.
- 6 1/2" X 1/2" LENGTH ANGLE IRON WELDED HORIZONTALLY TO POST 3" FROM BOTTOM SUPPORT ANGLE IRON W/ 1/2" X 1/2" X 1/4" THICK STEEL BELLS VERTICALLY TO THE PIPE. POST SHALL BE SET PLUMB IN CONC. SLAB OR SUBBASE PER PLAN.
- 7 COMPACTED SUBGRADE.
- 8 1/4" DIA. X 1/2" DEEP CONC. FOOTING.
- 9 STAINLESS STEEL FIN. 1/2" X 6" LENGTH REBAR TO BE FILLET WELDED TO POST. DRILL POST TO FINISH GRADE.
- 10 FIN. 1/2" DIA. X 1/2" DEEP CONC. FOOTING.
- 11 1/2" X 1/2" LENGTH ANGLE IRON W/ 1/2" X 1/2" X 1/4" THICK STEEL BELLS VERTICALLY TO COLLAR. COLLAR LOCK EXTENSION 1/4" THK. X 2" LONG BAR STOCK RADIUS END & FINCH CHANGES MUST BE 1/2" IN FROM IN POST LOCK BELLS. VERTICALLY TO POST TO ALIGN W/ COLLAR. BELLS MUST BE 1/2" IN FROM IN POST LOCK BELLS. VERTICALLY TO POST TO ALIGN W/ COLLAR LOCK EXTENSION TO ALLOW COLLAR TO SLIDE DOWN OVER POST LOCK EXTENSION.

NOTE:  
 NOTE DIP GALVANIZE ALL PARTS FABRICATION. ANY PARTS THAT BE WELDED AFTER DIPPING SHALL BE PAINTED WITH TWO COATS OF GALYON OR EQUAL AFTER FABRICATION.



WATER HEIGHT ADJUSTED THRU HOLE IN PUSH BAR WITH SCREWDRIVER

HI-LO DRINKING FOUNTAIN BY MOST DEPENDABLE FOUNTAINS-MONO.440 W/POUNDER COATED COLOR FINISH \*\* POWDER COAT CHROME

CONCRETE PER PAVING PLAN

BROOKS CONCRETE VALVE BOX WITH VALVE AND PLUGGED TEE FOR DRAIN DOWN

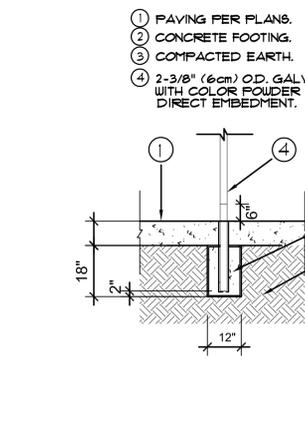
STEEL SUPPORT IN CONCRETE

3" PVC DRAIN, SWEEP CONNECTED TO DRAIN PIPE FROM FOUNTAIN ROUTE DRAIN LINE TO SUMP. SEE DETAIL (G)

1/2" NYLON REINFORCED TUBING WATER SUPPLY OR PIPE TO JUNCTION OF LOWER FOUNTAIN ARM AND MAIN CONTROL

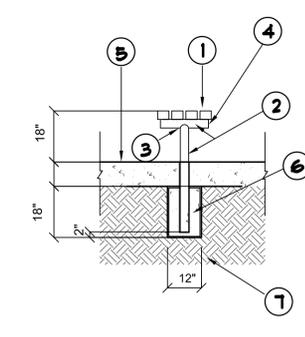
\*\* DRINKING FTN. AVAILABLE THRU MOORE RECREATION & PARK EQUIP. (805) 375-1324

D | TENNIS COURT



- 1 PAVING PER PLANS.
- 2 CONCRETE FOOTING.
- 3 COMPACTED EARTH.
- 4 2-3/8" (6cm) O.D. GALVANIZED STEEL PIPE WITH COLOR POWDER COAT FINISH. DIRECT EMBEDMENT.

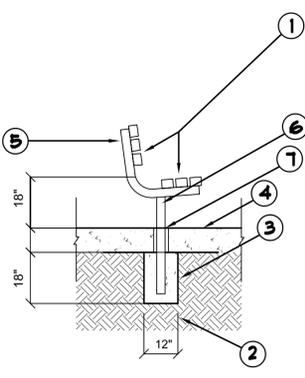
E | TRASH RECEPTACLE SC:1/2"=1'-0"



- 1 2x4 8'-0" LONG (4 PER BENCH) KILN DRIED YELLOW PINE SEAT PAINT STAIN PER SPECS. DRILL HOLES IN WOOD TO MATCH HOLES IN FRAME WITH 2 GALV. 1/2" DIAMETER CARRIAGE BOLTS AT EACH FRAME. FEEN ENDS ONCE ATTACHED 2x4'S SHALL BE CONTINUOUS 1 PIECE WITHOUT JOINTS. (SEE PLAN)
- 2 GALVANIZED STEEL PIPE PER SPECS. 3 PER BENCH. PRE-DRILL HOLES TO ACCEPT 1/2" DIAMETER CARRIAGE BOLTS WHICH SADDLE AT TOP TO ACCEPT HORIZONTAL BENCH FRAME.
- 3 CONTINUOUS FILLET WELD VERTICAL POST TO HORIZONTAL BENCH FRAME
- 4 CONTINUOUS FILLET WELD CAP ON EACH END OF HORIZONTAL BENCH FRAME. GRIND WELDS SMOOTH PRIOR TO HOT DIP GALVANIZING.
- 5 PAVING PER PLANS.
- 6 CONCRETE FOOTING.
- 7 90% COMPACTED SUBGRADE.

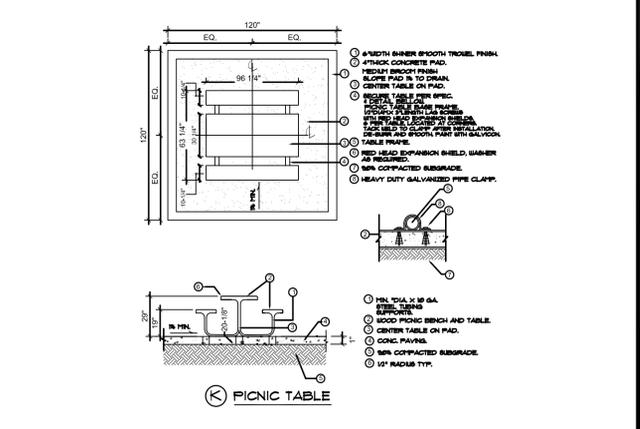
NOTE:  
 UPON COMPLETION OF FABRICATION OF FRAME, GRIND ALL WELDS SMOOTH AND HOT DIP GALVANIZE ENTIRE FRAME.

F | DRINKING FOUNTAIN SC:11/2"=1'



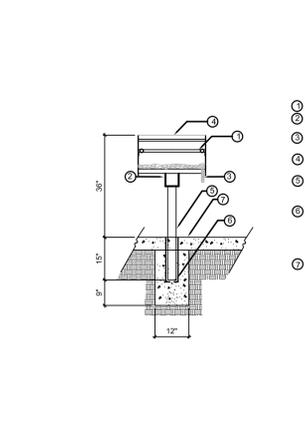
- 1 2x4 8'-0" LONG (6 PER BENCH) KILN DRIED YELLOW PINE SEAT PAINT PER SPECS. DRILL HOLES IN WOOD TO MATCH HOLES IN FRAME. WITH 2 GALV. 1/2" DIAMETER CARRIAGE BOLTS. FEEN ENDS ONCE ATTACHED 2x4'S SHALL BE CONTINUOUS 1 PIECE WITHOUT JOINTS.
- 2 90% COMPACTED SUBGRADE
- 3 CONCRETE FOOTING.
- 4 PAVING PER PLANS.
- 5 BENCH FRAME PER SPECS. SET 1 EACH 12" IN FROM END AND ONE AT CENTER.
- 6 2 3/8" φ X 12 GA. GALV. TUBING.
- 7 EXPANSION JOINT.

G | DRINKING FOUNTAIN SC:1/2"=1'



- 1 6" BENCH FINISH TROUBLE FREE. REAR BENCH FINISH. REAR BENCH FINISH. CENTER TABLE ON PAD.
- 2 1/2" DIA. X 1/2" DEEP CONC. FOOTING.
- 3 1/2" DIA. X 1/2" DEEP CONC. FOOTING.
- 4 1/2" DIA. X 1/2" DEEP CONC. FOOTING.
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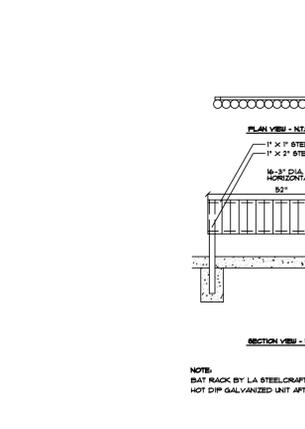
H | BIKE RACK SC:1/2"=1'-0"



- 1 ASH PAN REPLACEMENT.
- 2 360° ROTATION FOR PROPER DRAFT CONTROL
- 3 CHAINED, THREE-POSITION ADJUSTABLE ASH PAN.
- 4 HEAVY DUTY, RUST-RESISTANT GALV. STEEL
- 5 3 1/2" O.D. GALV. STEEL PIPE
- 6 PIPE PEDestal, CENTER ON CONCRETE PAD
- 7 GALV. IRON PIPE SLEEVE
- 8 RACK W/EXPANSIVE GROUT. COLOR TO MATCH CONCRETE FOOTING.
- 9 36" X 36" CONCRETE PAD.

GROUND SPACE 36" X 36"

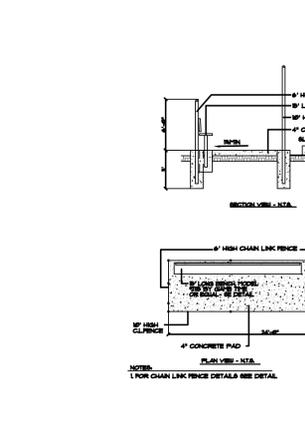
I | BENCH W/OUT BACK SC:1/2"=1'-0"



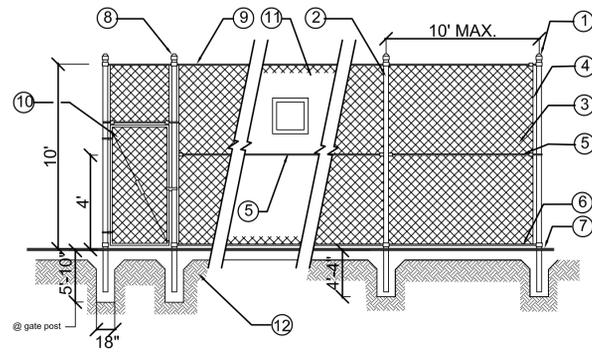
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NOTE:  
 BENCH RACK BY LA STEELCRAFT PRODUCTS MODEL BR-5 HOT DIP GALVANIZED UNIT AFTER WELDING

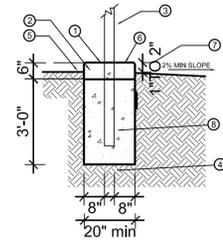
J | BENCH W/ BACK SC:1/2"=1'-0"



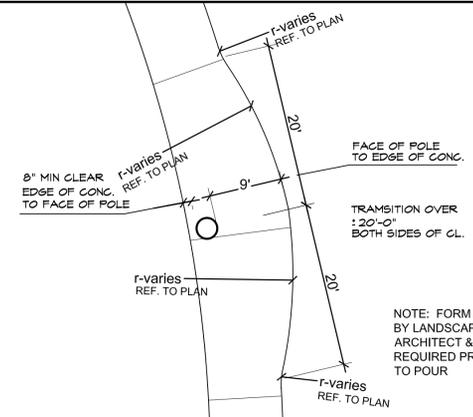
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- ① 3-1/2" OD GALV. TERMINAL POST.
- ② 2-7/8" OD GALV. LINE POST.
- ③ 1 3/4" 9 GAGE GALV. FABRIC, KNUKLED SELVAGE TOP & BOTTOM GALV. STEEL TENSION BARS.
- ④ 1.66" O.D.GALV. MID RAILS
- ⑤ 1.66" O.D.GALV. TOP & BOTTOM RAILS
- ⑥ FINISH SURFACE.
- ⑦ 3-1/2" OD GALV. GATE POST.
- ⑧ 1.66" OD GALV. TOP RAILS.
- ⑨ 3'X7' GATE W/ 2" NOMINAL (2.375" O.D.) FRAME, 3/8" TRUSS ROD AND TURNBUCKLE.
- ⑩ 9' VINYL - COATED POLYESTER TENNIS COURT SCREEN W/ AIR VENTS @ 10' O.C.
- ⑪ 90% COMPACTED SUBGRADE



- ① CAST IN PLACE CONG. CURB WITH 2# CONG. EDGE TOP EDGES.
- ② CONCRETE CURB W/ CONTROL JTS AND EXP. JTS. AS REQUIRED
- ③ CHAIN LINK FENCE POST SEE DETAIL.
- ④ 90% COMPACTED SUBGRADE
- ⑤ FINISH GRADE
- ⑥ 1" RADIUS TYP.
- ⑦ 1/2" TURF AREAS.
- ⑧ 2" INFIELD
- ⑨ CONCRETE FOOTINGS FOR FENCE POST. SEE DETAILS.



NOTE: FORM APPROVAL BY LANDSCAPE ARCHITECT & CITY REQUIRED PRIOR TO POUR

P TENNIS COURT FENCE (DESIGNED TO SUPPORT WIND SCREEN)

N.T.S.

Q CONCRETE CURB

N.T.S.

R LIGHT @ DRIVEABLE WALK

SC: 1"= 100'

**THUNDERSKY PARK  
8.7 ACRE ADDITION  
CONSTRUCTION  
DETAILS**

**ORANGECREST COUNTRY**  
Communities Southwest  
181 old springs road  
anaheim, california 92808  
1 714 279.6555 fax 1714 279.6556  
contact: Mary Rauschenburg




date: 5/5/2000  
drawn: ret  
checked: dsn  
scale: N.T.S.  
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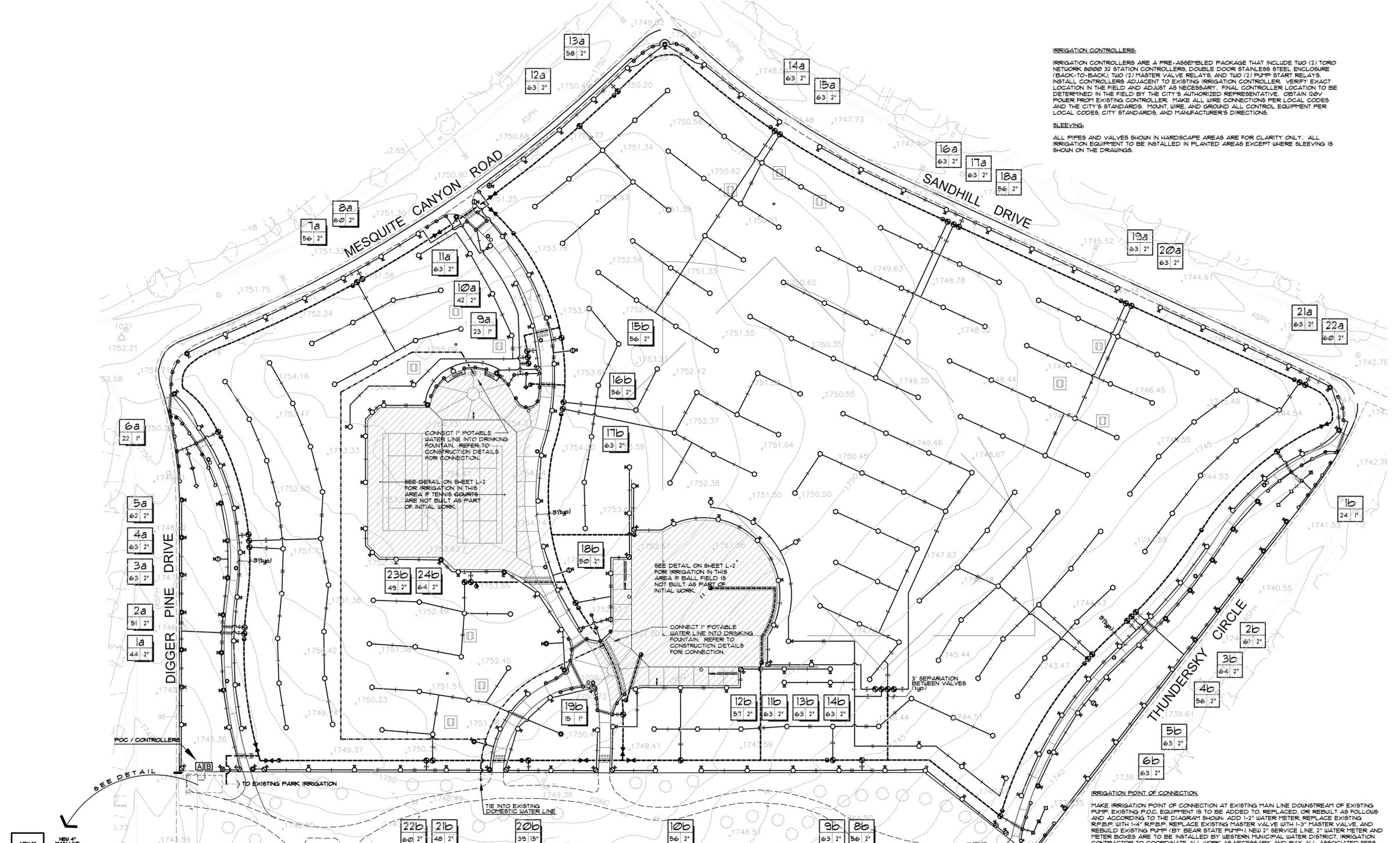
**THUNDERSKY PARK  
 8.7 ACRE ADDITION  
 ELECTRICAL PLAN**

**ORANGECREST COUNTRY**  
 Communities Southwest  
 181 old springs road  
 anaheim, california 92808  
 1 714 279.6555 fax 1714 279.6556  
 contact: Mary Rauschenburg



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**IRRIGATION CONTROLLERS:**  
 IRRIGATION CONTROLLERS ARE A PRE-ASSEMBLED PACKAGE THAT INCLUDE TWO (2) TORO NETWORK 8000U 32 STATION CONTROLLERS, DOUBLE DOOR STAINLESS STEEL ENCLOSURE (BACK-TO-BACK), TWO (2) MASTER VALVE RELAYS, AND TWO (2) PUMP START RELAYS. INSTALL CONTROLLERS ADJACENT TO EXISTING IRRIGATION CONTROLLER. VERIFY EXACT LOCATION IN THE FIELD AND ADJUST AS NECESSARY. FINAL CONTROLLER LOCATION TO BE DETERMINED IN THE FIELD BY THE CITY'S AUTHORIZED REPRESENTATIVE. OBTAIN 200V POWER FROM EXISTING CONTROLLER. MAKE ALL WIRE CONNECTIONS PER LOCAL CODES AND THE CITY'S STANDARDS. MOUNT, WIRE, AND GROUND ALL CONTROL EQUIPMENT PER LOCAL CODES, CITY STANDARDS, AND MANUFACTURER'S DIRECTIONS.

**SLEEVING:**  
 ALL PIPES AND VALVES SHOWN IN HARDSCAPE AREAS ARE FOR CLARITY ONLY. ALL IRRIGATION EQUIPMENT TO BE INSTALLED IN PLANTED AREAS EXCEPT WHERE SLEEVING IS SHOWN ON THE DRAWINGS.

CONNECT 1" POTABLE WATER LINE INTO DRINKING FOUNTAIN. REFER TO CONSTRUCTION DETAILS FOR CONNECTION.  
 SEE DETAIL ON SHEET L-2 FOR IRRIGATION IN THIS AREA IF TENIS COURTS ARE NOT BUILT AS PART OF INITIAL WORK.

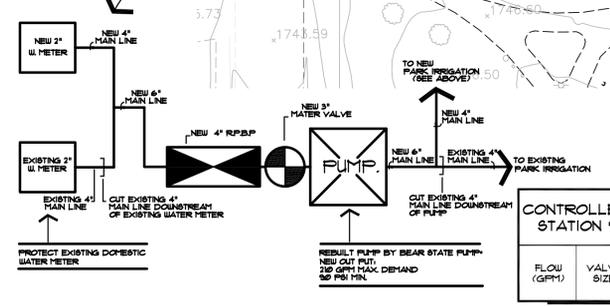
CONNECT 1" POTABLE WATER LINE INTO DRINKING FOUNTAIN. REFER TO CONSTRUCTION DETAILS FOR CONNECTION.  
 SEE DETAIL ON SHEET L-2 FOR IRRIGATION IN THIS AREA IF TENIS FIELD IS NOT BUILT AS PART OF INITIAL WORK.

**EQUIPMENT LEGEND**

SYMBOL	MANUFACTURER/MODEL *	SIZE	DETAIL
[M]	IRRIGATION WATER METER - INSTALLED BY UMWLD - SEE NOTE	2"	N/A
[F]	FEBCO 825 YD SERIES REDUCED PRESSURE BACKFLOW PREVENTER	4"	C', L-2
[G]	GRISWOLD 2000 SERIES REMOTE CONTROL ELECTRIC MASTER VALVE	3"	D', L-2
[R]	RAINBIRD 53DLRC SERIES QUICK COUPLING VALVE • 150" MAX	3/4"	E', L-2
[B]	NIBCO T-505 SERIES BALL VALVE - 2" AND SMALLER - OR EQUAL	UP TO 2"	F', L-2
[G2]	NIBCO T-113 SERIES GATE VALVE - LARGER THAN 2" - OR EQUAL	3" AND UP	G', L-2
[G3]	GRISWOLD 2000 SERIES REMOTE CONTROL ELECTRIC VALVE	PLAN SIZE	H', L-2
[A]	TORO NETWORK 8000U ABANDON EX PHONE LINK CONCENTRATOR PROVIDE NEW TORO PHONE MODERN KIT • 999.60 • UNIVERSAL MODERN • 88.81101 (VERIFY PART #S)	32 STA.	I', L-2
[U]	UF RATED CONTROL WIRE - INSTALL WITH MAINLINE WHERE POSSIBLE	14 GA	J', L-2
[C]	2 GA COMMON SEPARATE COLOR EACH CONTROLLER/ PROVIDE SPARE EACH CONTROLLER		
[CL]	CL458 315 PVC IRRIGATION MAINLINE - 3" UNLESS OTHERWISE NOTED	3"	K', L-2
[CL2]	CL458 200 PVC NON-PRESSURE LATERAL LINE	PLAN SIZE	K', L-2
[S]	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE	PLAN SIZE	L', L-2
[W]	SCH 40 PVC POTABLE WATER LINE - MARK WITH TAPE	1"	K', L-2

**SPRINKLER LEGEND**

SYMBOL	MANUFACTURER/MODEL *	NOZZLE	RAD.	PSI	FLOW (GPM)	DETAIL
<b>TURF POP-UP SPRAY HEADS</b>						
[S1]	TORO 510Z-4P-8-PC-COM	Q/T/H/F	1'-8"	30	22 29 44 88	'A', L-2
[S2]	TORO 510Z-4P-10-PC-COM	Q/T/H/F	9'-10"	30	33 44 66 13	'A', L-2
[S3]	TORO 510Z-4P-12-PC-COM	Q/T/H/F	11'-2"	30	48 64 96 19	'A', L-2
[S4]	TORO 510Z-4P-15-PC-COM	Q/T/H/F	13'-5"	30	75 10 15 30	'A', L-2
<b>TURF POP-UP ROTOR HEADS</b>						
[R1]	TORO 5100C-FC-30/45-8A	3/8" / 1/2"	35'-31"	40	3.2 / 3.71	'A', L-2
[R2]	TORO 5100C-FC-60/75-5A	1/2" / 1/2"	35'-31"	40	5.50 / 6.94	'A', L-2
[R3]	TORO 5100C-FC-60/75-8A	1/2" / 1/2"	35'-31"	40	5.50 / 6.94	'A', L-2



**PIPE SIZING CHART**

PIPE SIZE	3/4" PIPE	1" PIPE	1 1/4" PIPE	1 1/2" PIPE	2" PIPE	2 1/2" PIPE	3" PIPE	4" PIPE	6" PIPE	8" PIPE
1/4" SLEEVE	1-4 WIRES									
1/2" SLEEVE	5-10 WIRES									
3/4" SLEEVE	11-20 WIRES									
1" SLEEVE	21-30 WIRES									
1 1/4" SLEEVE	31-40 WIRES									
1 1/2" SLEEVE	41-60 WIRES									
2" SLEEVE	61-90 WIRES									
2 1/2" SLEEVE	101-120 WIRES									
3" SLEEVE	121-150 WIRES									
4" SLEEVE	151-200 WIRES									
6" SLEEVE	N/A									

**Underground Service Alert**  
 Call: TOLL FREE  
 1-800-227-2600  
 TWO WORKING DAYS BEFORE YOU DIG

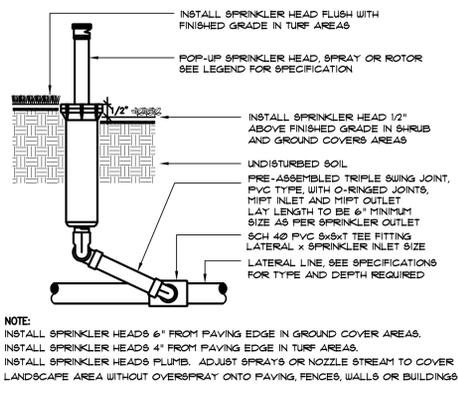
**SCH 40 PVC SLEEVING CHART**

SLEEVE SIZE	WIRES	PIPE SIZE
1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1/2" SLEEVE	5-10 WIRES	3/4" PIPE
3/4" SLEEVE	11-20 WIRES	1" PIPE
1" SLEEVE	21-30 WIRES	1 1/4" PIPE
1 1/4" SLEEVE	31-40 WIRES	1 1/2" PIPE
1 1/2" SLEEVE	41-60 WIRES	2" PIPE
2" SLEEVE	61-90 WIRES	2 1/2" PIPE
2 1/2" SLEEVE	101-120 WIRES	3" PIPE
3" SLEEVE	121-150 WIRES	4" PIPE
4" SLEEVE	151-200 WIRES	6" PIPE
6" SLEEVE	N/A	N/A

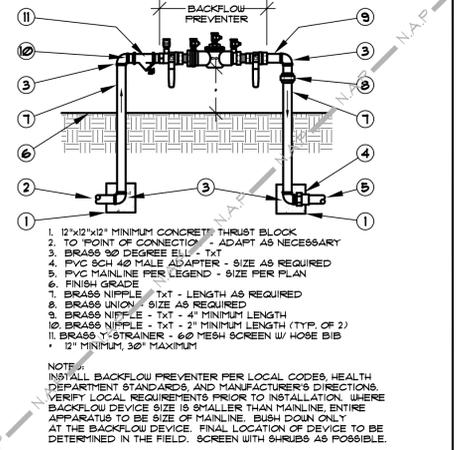
\*CONTACT TOM LANG • BEAR STATE PUMP (800) 350-1660 / (908) 923-9812



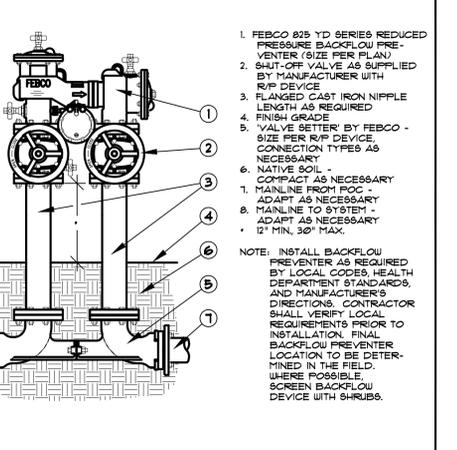
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 sheet



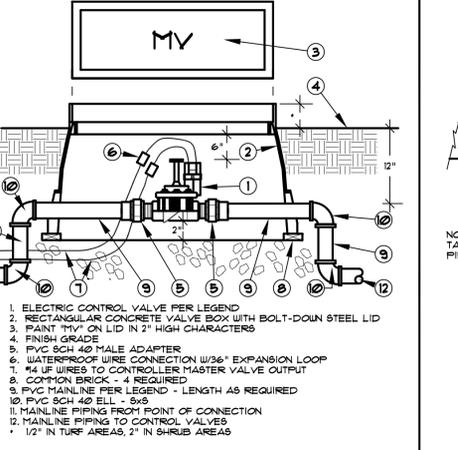
**A POP-UP TURF HEAD**



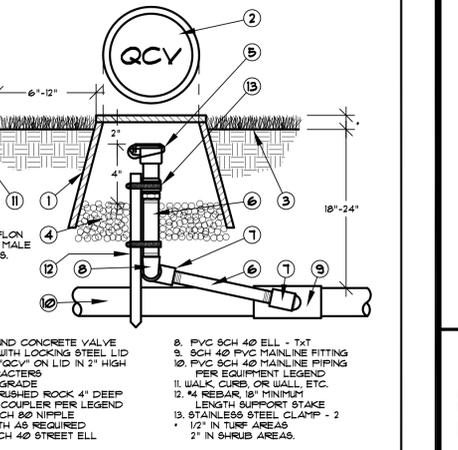
**B DOMESTIC BACKFLOW PREVENTER**



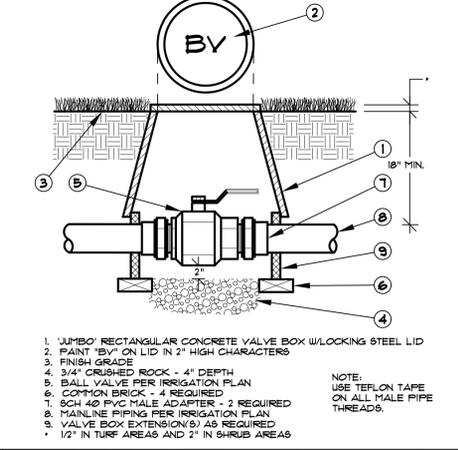
**C IRRIGATION BACKFLOW PREVENTER**



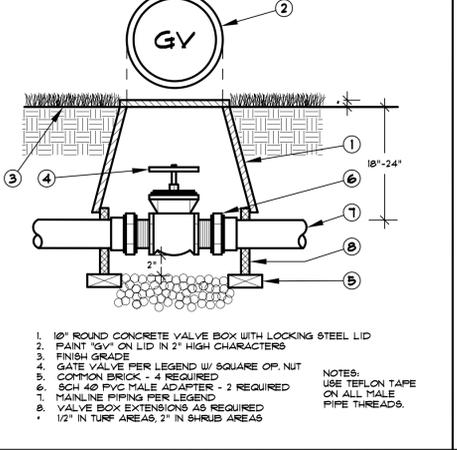
**D MASTER VALVE**



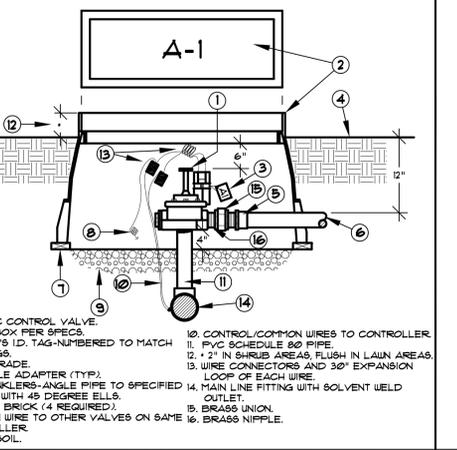
**E QUICK COUPLING VALVE**



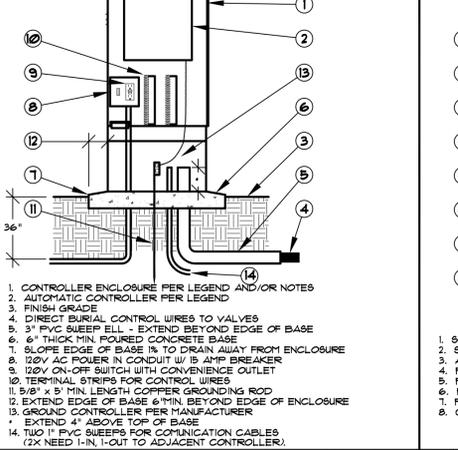
**F BALL VALVE**



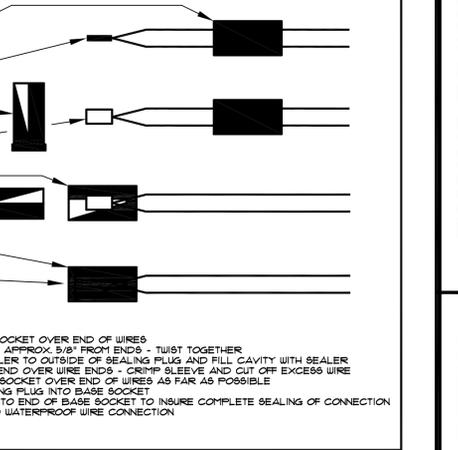
**G GATE VALVE**



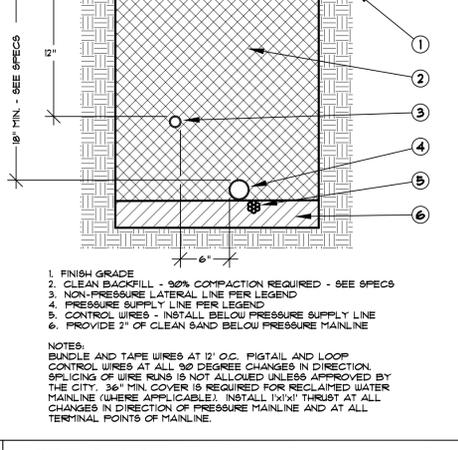
**H ELECTRIC CONTROL VALVE**



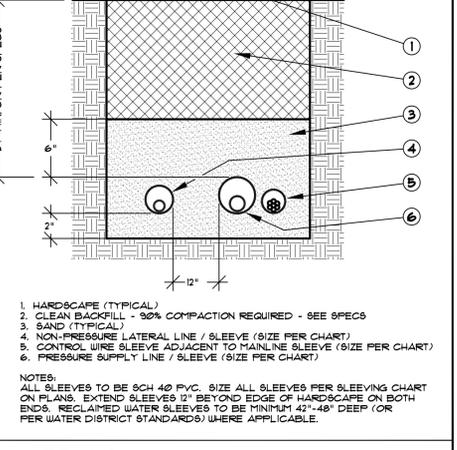
**I CONTROLLER**



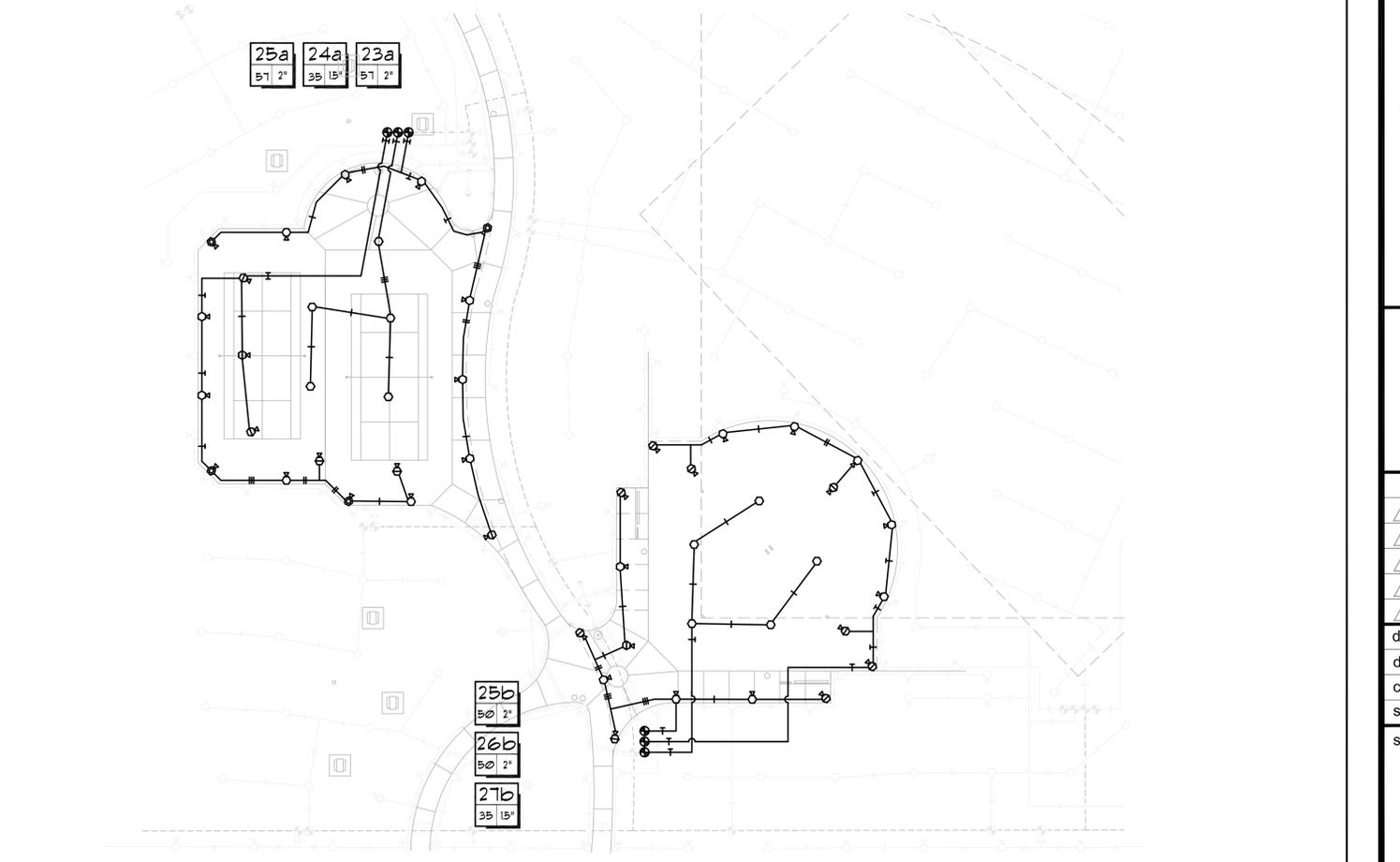
**J WIRE CONNECTOR SEE SPECS**



**K TRENCHING**



**L SLEEVING**



**O ALTERNATIVE IRRIGATION LAYOUTS**

**David Neault**  
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**THUNDERSKY PARK  
8.7 ACRE ADDITION  
IRRIGATION DETAILS**

**ORANGECREST COUNTRY**  
Communities Southwest  
181 old springs road  
anaheim, california 92808  
1 714 279.6555 fax 1714 279.6556  
contact: Mary Rauschenburg



date:	5/5/2000
drawn:	fhf
checked:	dsn
scale:	N.T.S.
sheet:	



**PLANTING LEGEND**

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	REMARKS
	<i>CINNAMOMUM CAMPHORA</i>	CAMPHOR TREE	24" BOX	18	STANDARD
	<i>GINKGO BILOBA</i>	MAIDENHAIR TREE	15 GAL.	48	STANDARD
	<i>PYRUS CALLERYANA 'ARISTOCRAT'</i>	ARISTOCRAT PEAR	24" BOX	8	STANDARD
	<i>TRISTANIA CONFERTA</i>	BRISBANE BOX	15 GAL.	48	STANDARD

TURF  
 CITY'S STANDARD 5 WAY MIX - SEE SPECIFICATIONS - HYDROSEEDED @ 8 LBS/1000 SF.

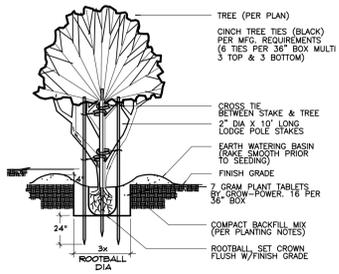
**David Neault**  
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 41877 enterprise circle  
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 92590  
 909.296.3430  
 fax: 909.296.3431  
 e-mail: dna@ad.com

**THUNDERSKY PARK  
 8.7 ACRE ADDITION  
 PLANTING PLAN**

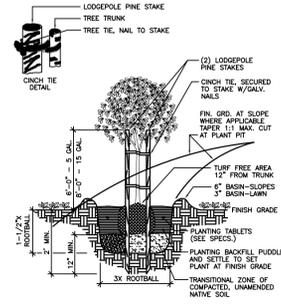
**ORANGECREST COUNTRY**  
 Communities Southwest  
 181 old springs road  
 anaheim, california 92808  
 1 714 279.6555 fax 1714 279.6556  
 contact: Mary R



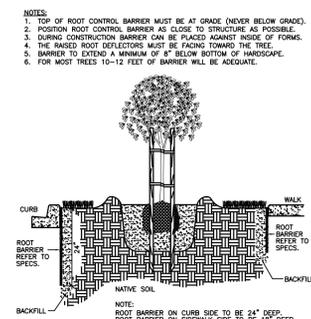

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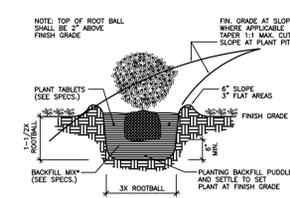
NOTE: 1. ALL PLANT BASINS SHALL RECEIVE A 2\"/>



NOTE: 1. ALL PLANT BASINS SHALL RECEIVE A 2\"/>



NOTE: ROOT BARRIER ON CURB SIDE TO BE 24\"/>



NOTE: ALL PLANT BASINS SHALL RECEIVE A 2\"/>

A TREE STAKING - 24" BOX

B TREE PLANTING

C ROOT BARRIER

D SHRUB PLANTING



E ALTERNATIVE PLANTING LAYOUTS 1" = 30'-0"

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**THUNDERSKY PARK  
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 & NOTES**

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