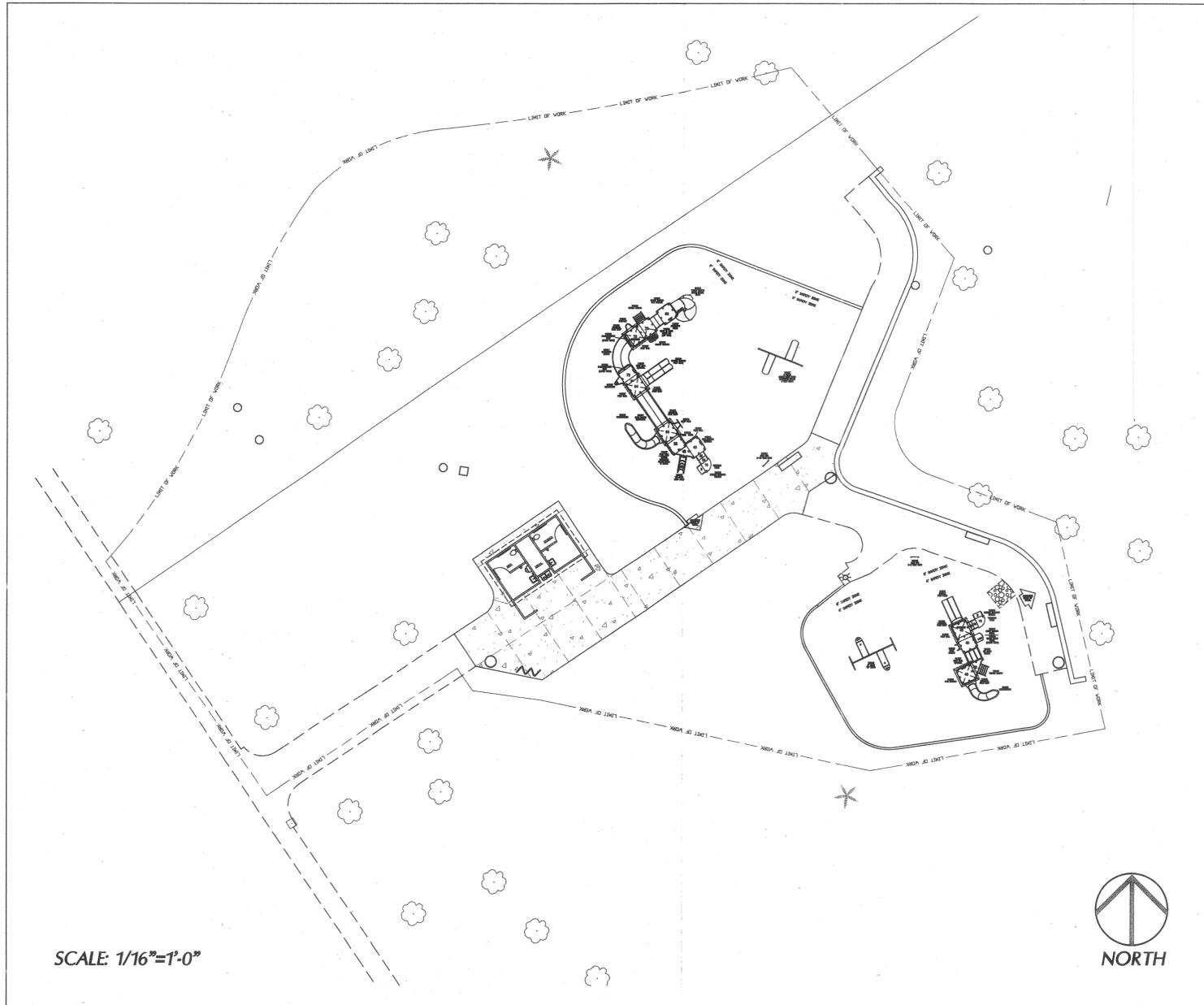


**SITE PLAN**



**PROJECT:**

**WASHINGTON PARK**  
**RESTROOM AND PLAYGROUND REPLACEMENT**  
 2769 MARY STREET, RIVERSIDE, CA 92506

**BID NO. 6084**  
**PROJECT NO. 510201/510211**

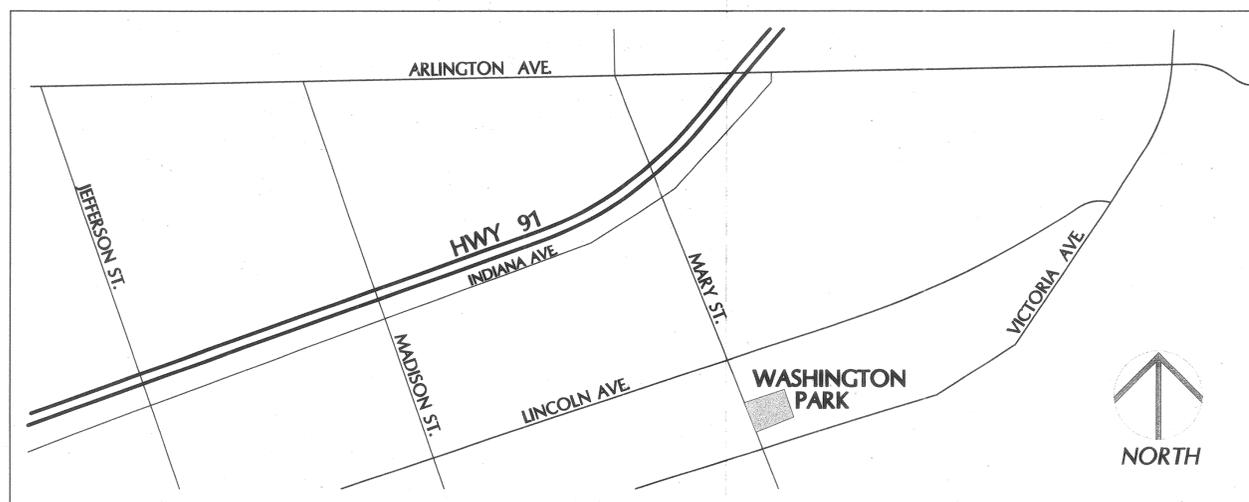
**PREPARED FOR:**

**CITY OF RIVERSIDE**  
 3936 CHESTNUT STREET  
 RIVERSIDE, CA 92501  
 PHONE: (909)826-2027  
 FAX: (909)826-2005  
 CONTACT: BUD FISH

**SHEET INDEX:**

DRAWING	DESCRIPTION	DRAWING	DESCRIPTION
T-1	COVER	LI-1	IRRIGATION PLAN
LD-1	DEMOLITION PLAN	LI-3	IRRIGATION DETAILS
LG-1	GRADING PLAN	LP-1	PLANTING PLAN
LS-1	STAKING PLAN	LP-2	PLANTING DETAILS
LC-1	CONSTRUCTION PLAN		
LC-2	CONSTRUCTION DETAILS		

**VICINITY MAP**



**AGENCY SUBMITTAL:**



4649 Brockton Avenue  
 Riverside, CA 92506  
 (909) 369-0700  
 Fax (909) 369-4039  
 e-mail: bill@comworksdg.com  
 http://www.comworksdg.com

**APPROVALS**

**PARKS & RECREATION DEPT.**  
 APPROVED BY: *[Signature]* 02/21/09  
 DATE

**PLANNING DEPARTMENT**  
 APPROVED BY: \_\_\_\_\_  
 DATE

**SHEET TITLE**

**T-1**  
 SHEET 1 OF 10  
 PLAN NUMBER 020532

**SYMBOL DESCRIPTION**

- 1 EXISTING CONCRETE PAVING; PROTECT IN PLACE
- 2 EXISTING PLAY AREA CURBING; PROTECT IN PLACE
- 3 EXISTING LIGHT; PROTECT IN PLACE
- 4 EXISTING TREE; PROTECT IN PLACE
- 5 EXISTING BOLLARDS; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER
- 6 EXISTING WALL; REMOVE WALL CAP AND REPLACE PER CONSTRUCTION PLAN
- 7 EXISTING PAVING; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER
- 8 EXISTING PLAY AREA CURBING; REMOVE (SAWCUT WHERE NECESSARY) AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
- 9 EXISTING PLAY EQUIPMENT; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
- 10 EXISTING PLAY AREA WOOD SURFACING; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
- 11 EXISTING TREE; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER
- 12 EXISTING TURF; REMOVE (WHERE AFFECTED BY NEW CONSTRUCTION) AND DISPOSE OF OFF-SITE IN A LEGAL MANNER
- 13 EXISTING RESTROOM; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER. PROTECT AND STUB ALL UTILITIES 5' FROM EXPECTED NEW BUILDING PAD LOCATION.
- 14 EXISTING FAUX BOULDERS; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
- 15 EXISTING DRINKING FOUNTAIN AND SUMP; REMOVE AND DISPOSE OF OFF-SITE IN A LEGAL MANNER (SALVAGE WATER CONNECTION/ PROTECT WATER LINE FOR FUTURE USE, SEE SHEET LC-1)

**SYMBOL DESCRIPTION**

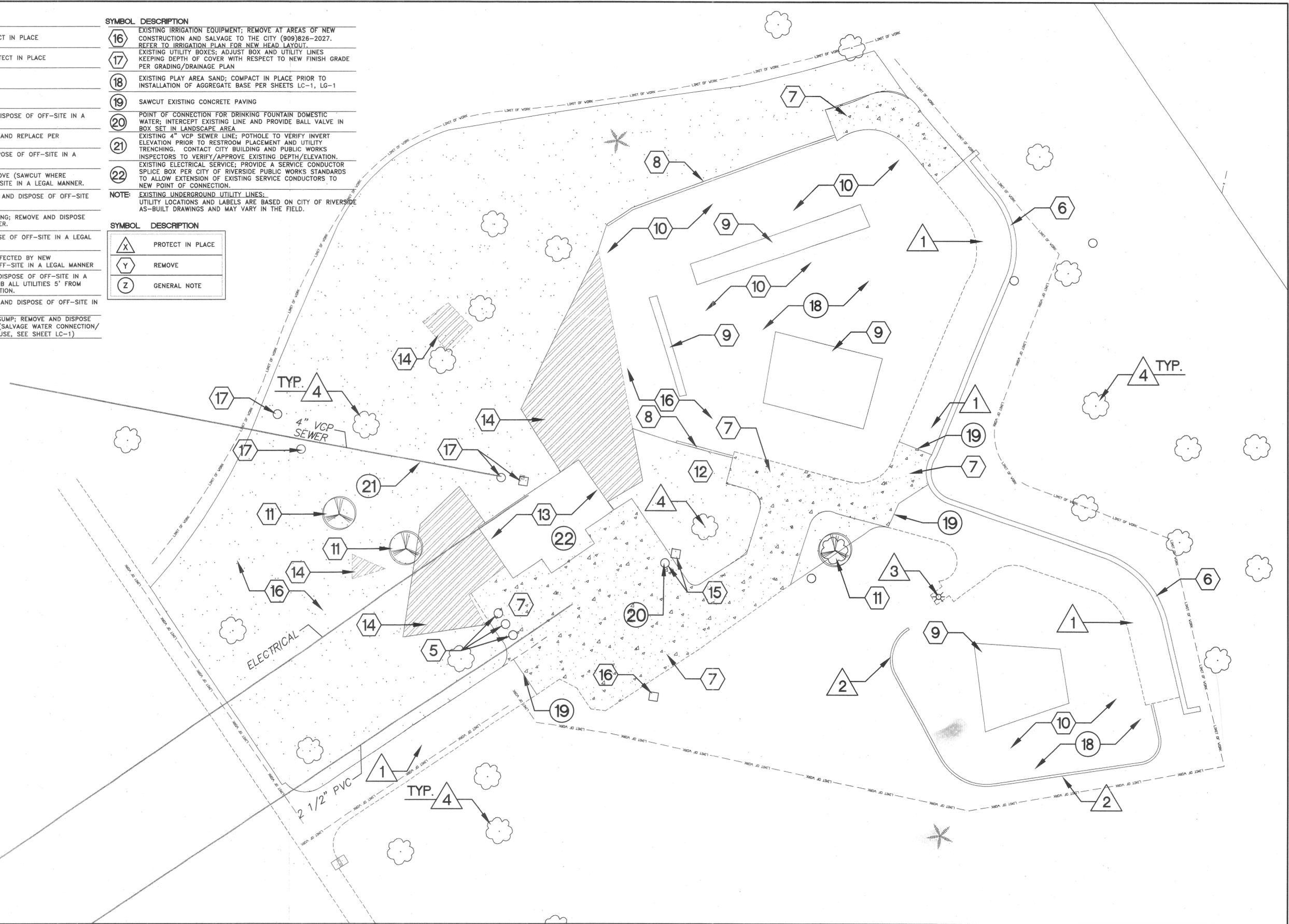
- 16 EXISTING IRRIGATION EQUIPMENT; REMOVE AT AREAS OF NEW CONSTRUCTION AND SALVAGE TO THE CITY (909)826-2027. REFER TO IRRIGATION PLAN FOR NEW HEAD LAYOUT.
- 17 EXISTING UTILITY BOXES; ADJUST BOX AND UTILITY LINES KEEPING DEPTH OF COVER WITH RESPECT TO NEW FINISH GRADE PER GRADING/DRAINAGE PLAN
- 18 EXISTING PLAY AREA SAND; COMPACT IN PLACE PRIOR TO INSTALLATION OF AGGREGATE BASE PER SHEETS LC-1, LG-1
- 19 SAWCUT EXISTING CONCRETE PAVING
- 20 POINT OF CONNECTION FOR DRINKING FOUNTAIN DOMESTIC WATER; INTERCEPT EXISTING LINE AND PROVIDE BALL VALVE IN BOX SET IN LANDSCAPE AREA
- 21 EXISTING 4" VCP SEWER LINE; POTHOLE TO VERIFY INVERT ELEVATION PRIOR TO RESTROOM PLACEMENT AND UTILITY TRENCHING. CONTACT CITY BUILDING AND PUBLIC WORKS INSPECTORS TO VERIFY/APPROVE EXISTING DEPTH/ELEVATION.
- 22 EXISTING ELECTRICAL SERVICE; PROVIDE A SERVICE CONDUCTOR SPLICE BOX PER CITY OF RIVERSIDE PUBLIC WORKS STANDARDS TO ALLOW EXTENSION OF EXISTING SERVICE CONDUCTORS TO NEW POINT OF CONNECTION.

**NOTE:** EXISTING UNDERGROUND UTILITY LINES: UTILITY LOCATIONS AND LABELS ARE BASED ON CITY OF RIVERSIDE AS-BUILT DRAWINGS AND MAY VARY IN THE FIELD.

**SYMBOL DESCRIPTION**

- X PROTECT IN PLACE
- Y REMOVE
- Z GENERAL NOTE

- EXISTING CONCRETE TO BE REMOVED PER ITEM #7
- EXISTING FAUX ROCK TO BE REMOVED PER ITEM #14
- EXISTING TURF TO BE REMOVED PER ITEM #12



**DIGALERT**  
 DIAL TOLL FREE  
 1-800-227-2600  
 AT LEAST TWO DAYS BEFORE YOU DIG  
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

**COMWORKSDG**  
 DESIGN GROUP  
 4649 Brockton Avenue  
 Riverside, CA 92506  
 (909) 369-0700  
 Fax: (909) 369-4039  
 e-mail: bill@comworksdg.com  
 http://www.comworksdg.com

**REGISTERED LANDSCAPE ARCHITECT**  
 TIMOTHY I. MALONEY  
 STATE OF CALIFORNIA  
 2004

PREPARED UNDER THE DIRECTION OF  
**TIMOTHY I. MALONEY**  
 REGISTERED LANDSCAPE ARCHITECT, R.L.A. 2110  
 EXPIRATION DATE 10/31/05  
 SCALE: 1"=10'-0" NORTH:   
 DATE: 2/4/04

**CITY OF RIVERSIDE**  
 3900 MAIN STREET  
 RIVERSIDE, CA

MARK REVISIONS APPR. DATE  
 DESIGNED BY ANH DRAWN BY ANH CHECKED BY TIM

**CITY OF RIVERSIDE, CALIFORNIA**  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY:   
 PRINCIPAL ENGINEER  
 PARK DEPARTMENT  
 TRAFFIC DIVISION  
 CHIEF P.W. ENGR.

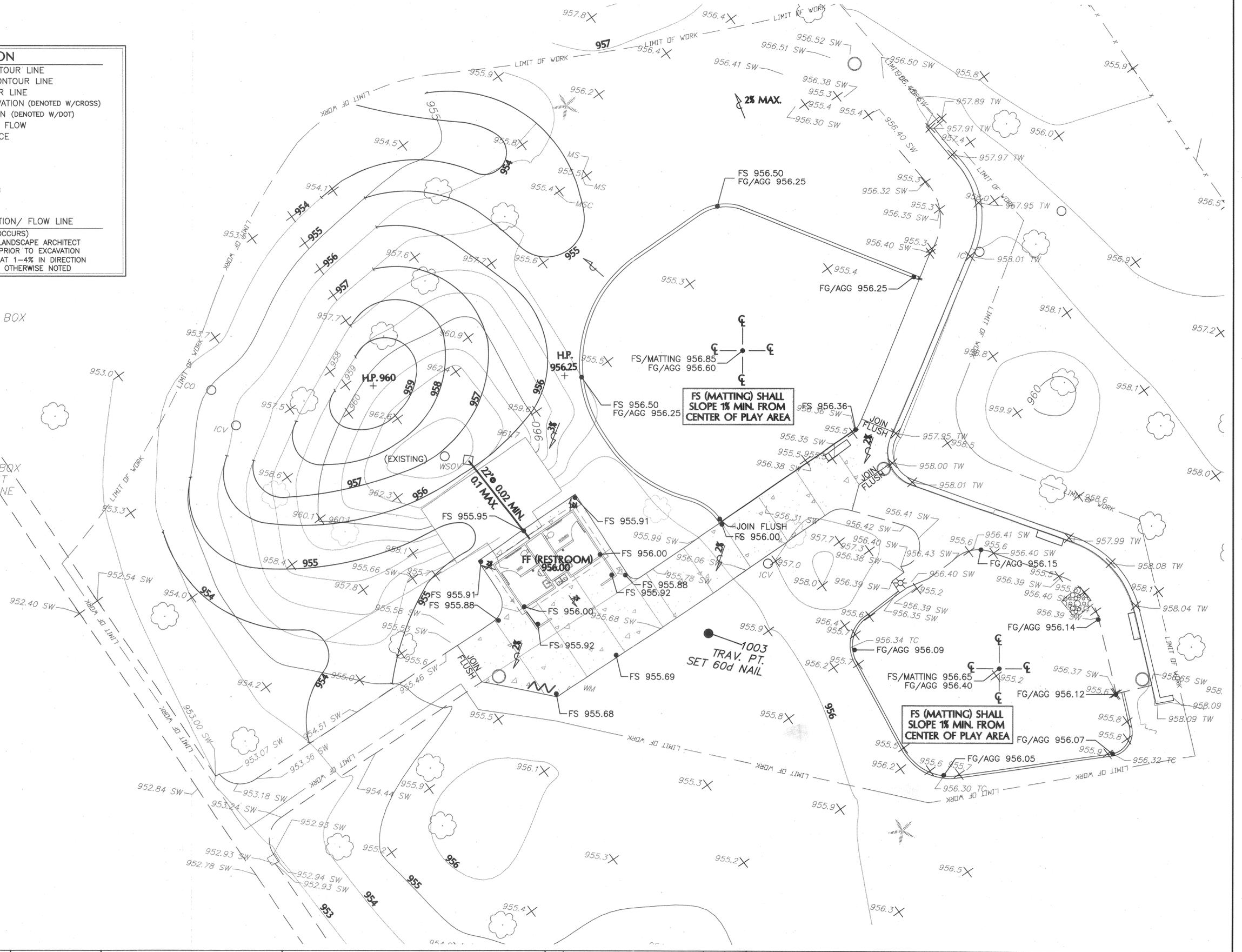
**WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT**  
 2769 MARY STREET  
 RIVERSIDE, CA 92506  
 Demolition Plan

PROJECT NO. 510201/510211  
**LD-1**  
 SHEET 2 OF 10  
 PLAN NO. 020532

SYMBOL	DESCRIPTION
—	EXISTING CONTOUR LINE
—	PROPOSED CONTOUR LINE
—	4" ABS SEWER LINE
—	EXISTING ELEVATION (DENOTED W/CROSS)
—	NEW ELEVATION (DENOTED W/DOT)
→	DIRECTION OF FLOW
FS	FINISH SURFACE
SW	SIDEWALK
FG	FINISH GRADE
AGG	AGGREGATE
CL	CENTER LINE
TC	TOP OF CURB
TW	TOP OF WALL
HP	HIGH POINT
IE/FL	INVERT ELEVATION/ FLOW LINE

NOTE: • JOIN NEW PAVING FLUSH TO EXISTING PAVING (WHERE OCCURS)  
 • CONTRACTOR TO VERIFY POSITIVE DRAINAGE. CONTACT LANDSCAPE ARCHITECT WITH ANY FIELD ADJUSTMENTS AND/OR DISCREPANCIES PRIOR TO EXCAVATION  
 • GRADING CONCEPT; CONCRETE SURFACES SHALL SLOPE AT 1-4% IN DIRECTION OF FLOW INDICATED (TYP.) UNLESS OTHERWISE NOTED

- LEGEND:**
- BVPB = BALL VALVE PULL BOX
  - LTSD = LIGHT STANDARD
  - FLT = FIELD LIGHT
  - SW = SIDEWALK
  - WM = WATER METER
  - TB = TOP OF BERM
  - FL = FLOWLINE
  - FS = FINISH SURFACE
  - FF = FINISH FLOOR
  - PP = POWER POLE
  - BFD = BACKFLOW DEVICE
  - MP = METAL POST
  - LTSD = LIGHT STANDARD
  - EPB = ELECTRICAL PULL BOX
  - EP = EDGE OF PAVEMENT
  - SPFL = STEEL PIPE FLOWLINE
  - GL = GUTTER LIP



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**COMWORKS DESIGN GROUP**



PREPARED UNDER THE DIRECTION OF  
**TIMOTHY I. MALONEY**  
 REGISTERED LANDSCAPE ARCHITECT, RLA  
 EXPIRATION DATE 10/31/05

SCALE: 1"=10'-0" NORTH: [North Arrow]

DATE: 2/4/04

**CITY OF RIVERSIDE**  
 3900 MAIN STREET  
 RIVERSIDE, CA

BENCHMARK: [Symbol]

MARK	REVISIONS	APPR. DATE

DESIGNED BY **TIM** DRAWN BY **ANH** CHECKED BY **TIM**

**CITY OF RIVERSIDE, CALIFORNIA**  
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY DATE	APPROVED BY
PRINCIPAL ENGINEER	[Signature]	DIRECTOR OF PUBLIC WORKS
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		

**WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT**

2769 MARY STREET  
 RIVERSIDE, CA 92506

**Grading Plan**

PROJECT NO. 510201/510211

**LG-1**

SHEET 3 OF 10

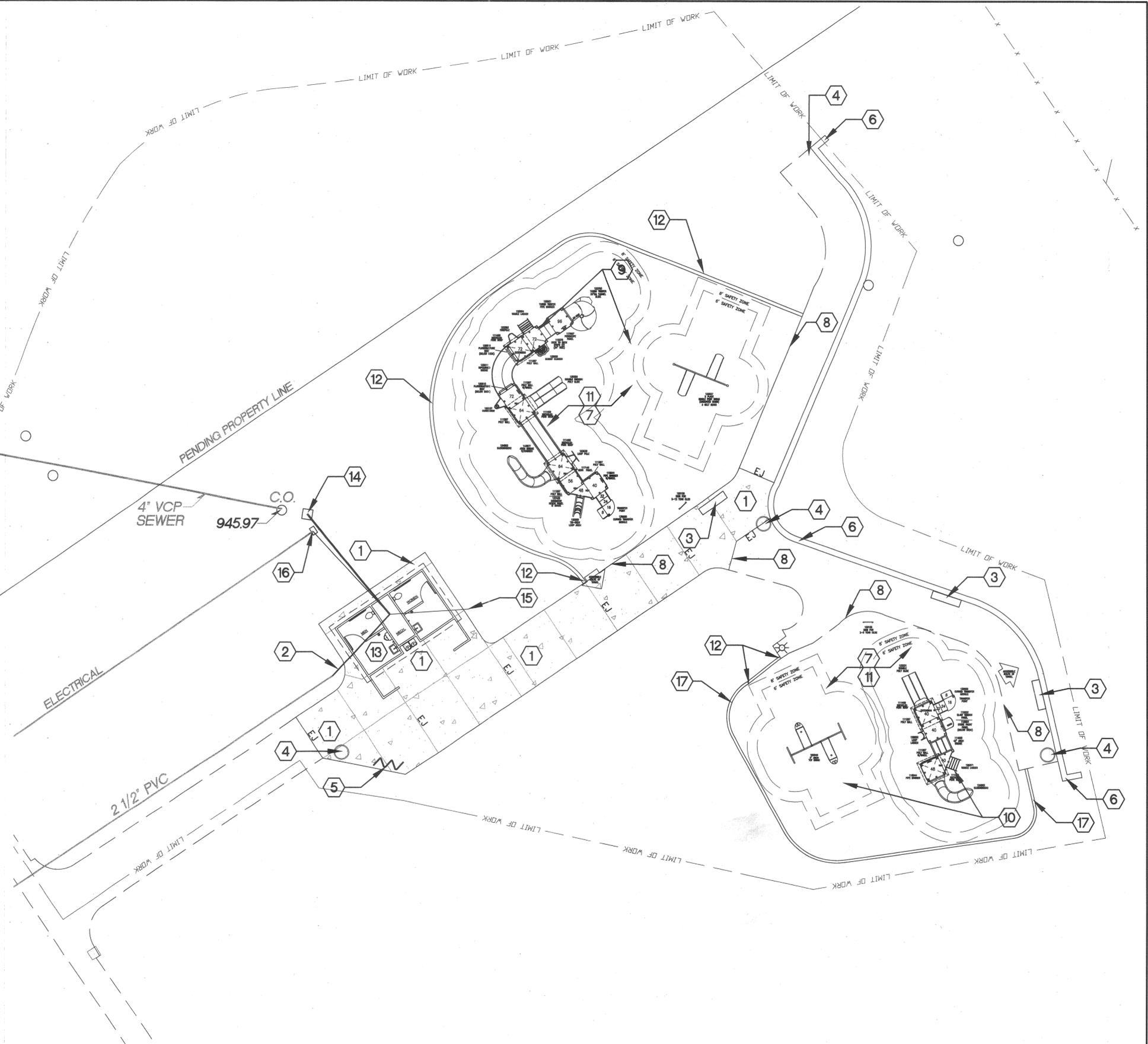
PLAN NO. 020532

**CONSTRUCTION LEGEND:**

DESCRIPTION	SUPPLIER	DETAIL
1 INSTALL 6" REINFORCED NATURAL GREY CONCRETE PAVING WITH MEDIUM BROOM FINISH. JOIN FLUSH TO EXISTING PAVING USING DOWELS PER DETAIL (TYP.)		DETAIL 'A' SHEET LC-2
2 1 1/2" PVC PIPE WATER LINE. INSTALL ALL NECESSARY CONNECTIONS TO BUILDING.		
3 INSTALL 60" BENCH; FLEX SERIES MODEL Q2-FLEX-72B SAND COLOR (C2). CONTRACTOR TO ASSEMBLE AND ANCHOR PER MANUFACTURER'S SPECS	QUICK CRETE (909)737-6240	PER MFG'S SPECS
4 INSTALL TRASH RECEPTACLE; TRINITY SERIES MODEL QR-TY2934W WITH LID A24 EPOXY IN PLACE (TYP.) CONTRACTOR TO ANCHOR PER MANUFACTURER'S SPECS	QUICK CRETE (909)737-6240	PER MFG'S SPECS
5 INSTALL BIKE RACK; MODEL GNS-6-IG-S, GENESIS 6-BIKE STAINLESS STEEL RACK W/IN-GROUND MOUNT	HANNAN SPECIALTIES (800)722-2453	PER MFG'S SPECS
6 INSTALL PRECAST CONCRETE WALL CAP; MODEL C1875 W/INTEGRAL ANTI-SKATE DEPRESSIONS, NATURAL GREY, SMOOTH FINISH, STD. SEALER, SCALLOP AS REQUIRED	UNIVERSAL PRECAST (714)680-0928	PER MFG'S SPECS
7 INSTALL SURFACE AMERICA PLAY AREA MATTING; REFER TO DETAIL FOR LAYOUT AND COLORS	COAST RECREATION (949)553-8065	DETAIL 'D' SHEET LC-2
8 MATTING CONNECTION TO PAVING (TYP.)		DETAIL 'C' SHEET LC-2

9 INSTALL CHILD PLAY EQUIPMENT; COORD. W/EQUIPMENT MANUFACTURER FOR LAYOUT AND SAFETY ZONES	COAST RECREATION (949)553-8065	PER MFG'S SPECS
10 INSTALL TOT PLAY EQUIPMENT; COORD. W/EQUIPMENT MANUFACTURER FOR LAYOUT AND SAFETY ZONES	COAST RECREATION (949)553-8065	PER MFG'S SPECS
11 INSTALL 3" MIN. AGGREGATE BASE BELOW PLAY MATTING		
12 INSTALL 12" WIDE CONCRETE MOW CURB CONNECTION TO MATTING		DETAIL 'B' SHEET LC-2
13 RESTROOM AND DRINKING FOUNTAINS MODEL #: 3010; COORDINATE INSTALLATION WITH PUBLIC RESTROOM CO. CONTRACTOR SHALL INSTALL ALL UTILITY CONNECTIONS RESTROOM WILL BE INSTALLED BY PUBLIC RESTROOM CO.	PUBLIC RESTROOM CO. (888)888-2060	PER MFG'S SPECS
14 INSTALL 4" ABS SEWER LINE AND ALL REQUIRED CONNECTIONS FROM EXISTING CLEAN-OUT TO RESTROOM (SEE NOTE BELOW)		
15 INSTALL 1" TYPE K COPPER PRESSURE WATER SUPPLY LINE AND ALL REQUIRED CONNECTIONS FROM EXISTING DRINKING FOUNTAIN TO RESTROOM (SEE NOTE BELOW)		
16 INSTALL PULL BOX FOR EXISTING ELECTRICAL EQUIPMENT INSTALL 1-1/4" ELECTRICAL LINE FROM PULL BOX TO RESTROOM		
17 EXISTING PLAY AREA CURB. REFER TO DETAIL FOR POURED-IN-PLACE MATTING CONNECTION.		DETAIL 'B' SHEET LC-2

- DISABLED ACCESS PROVIDED ON ONE SIDE OF EACH BENCH. ITEM #3, IS 60"x48"
- INSTALL ELECTRICAL SLEEVES IN CONCRETE AREAS AS REQUIRED BY ELECTRICAL PLANS
- CONTACT THE PUBLIC RESTROOM CO. FOR EXACT UTILITY CONNECTION LOCATIONS (ITEMS #14,15)



PREPARED UNDER THE DIRECTION OF  
**TIMOTHY I. MALONEY**  
 REGISTERED LANDSCAPE ARCHITECT, RLA 2110  
 EXPIRATION DATE 10/31/05  
 SCALE: 1"=10'-0" NORTH: DATE: 2/2/04

**CITY OF RIVERSIDE**  
 3900 MAIN STREET  
 RIVERSIDE, CA

BENCHMARK  
 -  
 -  
 -

MARK	REVISIONS	APPR.	DATE

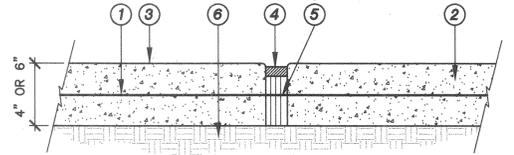
DESIGNED BY ANH DRAWN BY ANH CHECKED BY SR

**CITY OF RIVERSIDE, CALIFORNIA**  
 DEPARTMENT OF PUBLIC WORKS

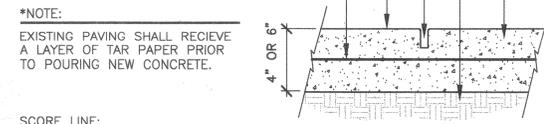
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		

**WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT**  
 2769 MARY STREET  
 RIVERSIDE, CA 92506  
 Construction Plan

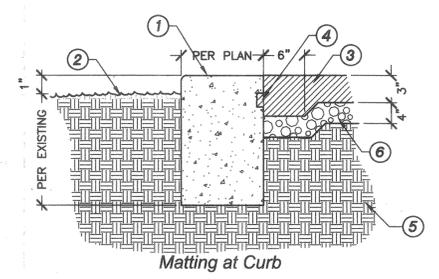
PROJECT NO. 510201/510211  
**LC-1**  
 SHEET 5 OF 10  
 PLAN NO. 020532



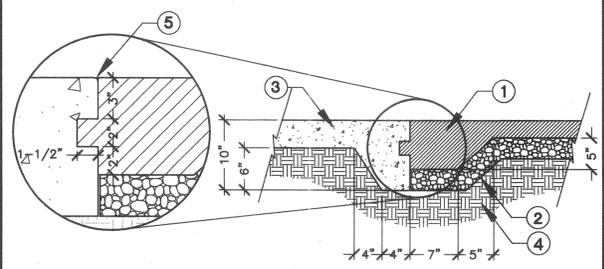
- EXPANSION JOINT:**
- 6"x6" 10x10 W.W.M. CENTER IN SLAB (FOR CONCRETE 6" THICK AND GREATER)
  - CONCRETE PAVING PER PLAN
  - FINISH PER PLAN
  - POLYURETHANE CAULKING TO MATCH CONCRETE COLOR
  - 1/2" PREMOLD FIBER EXPANSION JOINT @ 20' O.C. MAX. SPACING. (EXCEPTION: JOINTS ON PERIMETER WALKS @ 50' MAX. SPACING)
  - 90% COMPACTED SUBGRADE



- SCORE LINE:**
- 6"x6" 10x10 W.W.M. CENTER IN SLAB (FOR CONCRETE 6" THICK AND GREATER)
  - CONCRETE PAVING PER PLAN
  - FINISH PER PLAN
  - AFTER PRELIMINARY TROWELING, THE CONCRETE SHALL BE SCORED WITH A STRAIGHT EDGE TO A DEPTH OF 1/2" @ 10' MAXIMUM SPACING
  - 90% COMPACTED SUBGRADE



- DETAIL NOTES:**
- EXISTING/NEW CONCRETE CURB TO BE KEYED AS SHOWN
  - FINISH GRADE (PER PLAN)
  - POURED-IN-PLACE PLAY MATTING PER SPECS.
  - RUBBER PLAY SURFACING KEY
  - 90% RELATIVE COMPACTED SUBGRADE
  - 4" LAYER OF 3/4" AGGREGATE BASE @ 90% RELATIVE COMPACTION
- \* EXPANSION JOINTS TO OCCUR @ 10' MAX. SPACING  
\*\* CONTROL JOINTS TO OCCUR @ 5' MAX SPACING



- DETAIL NOTES:**
- SURFACE AMERICA POURED IN PLACE PLAY MATTING AVAILABLE THROUGH COAST RECREATION (949)553-8065. COLOR PER DETAIL 'C', THIS SHEET. DEPTH SHALL BE 3" MINIMUM (SEE GRADING PLAN, SHEET LG-1).
  - 3" AGGREGATE BASE
  - 4" CONCRETE PAVING PER PLAN
  - 90% RELATIVE COMPACTED SUBGRADE (MIN. 12" DEPTH)
  - 1/4" RADIUS (TYP.)

**A Joints/Concrete Paving**

SCALE: 15"=1'

**B Matting at Curb**

SCALE: 1"=1'-0"

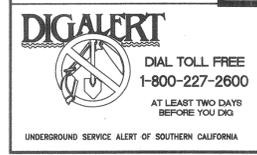
**C Play Surface**

SCALE: 1"=10'



**D Play Areas- Matting Color Schemes**

SCALE: 1"=10'



PREPARED UNDER THE DIRECTION OF  
**TIMOTHY L. MALONEY**  
REGISTERED LANDSCAPE ARCHITECT, RLA 2110  
EXPIRATION DATE 10/31/05

SCALE: N.T.S. NORTH: BENCHMARK: DATE: 12/17/03

**CITY OF RIVERSIDE**  
3900 MAIN STREET  
RIVERSIDE, CA

DESIGNED BY ANH DRAWN BY ANH CHECKED BY SR

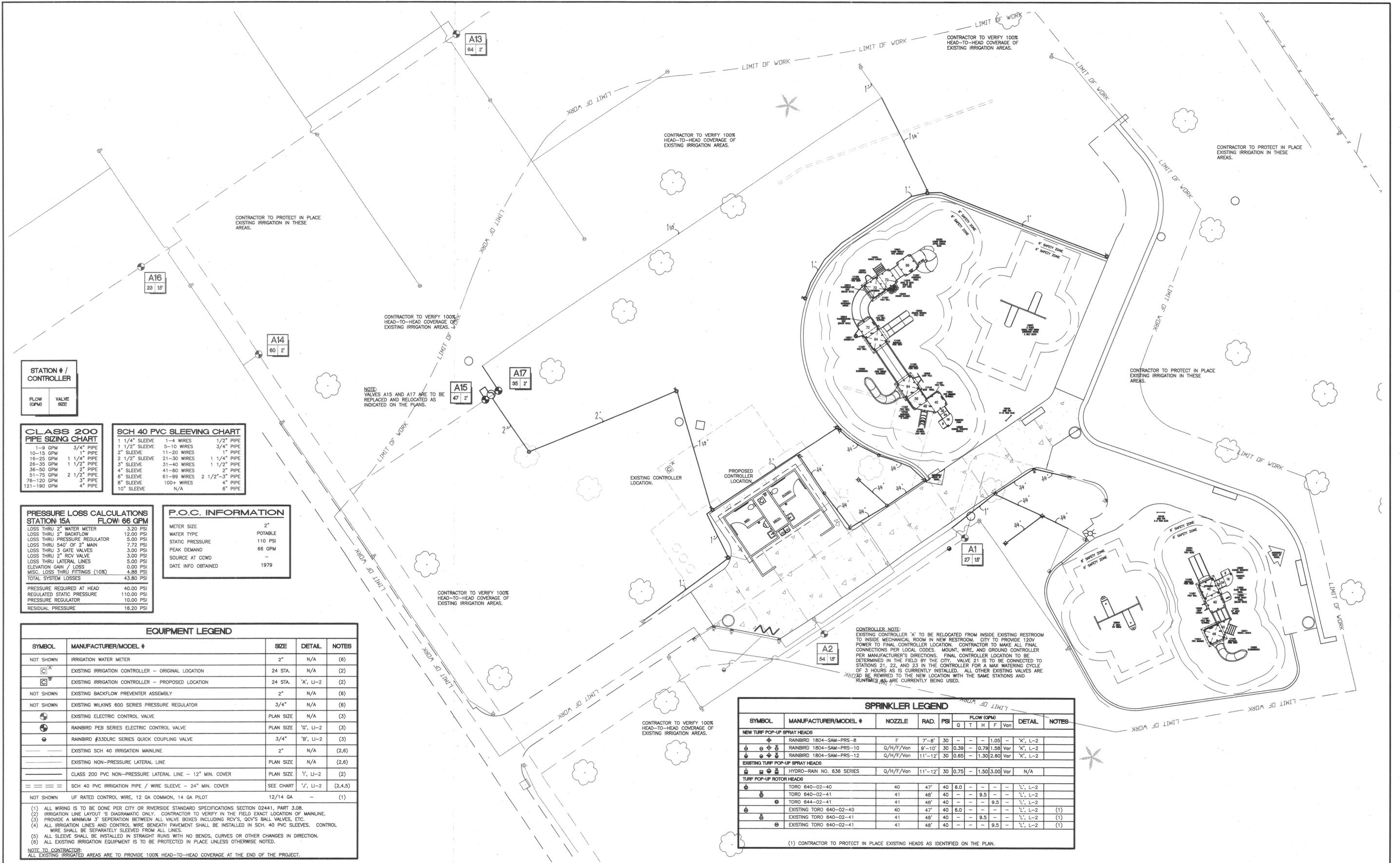
MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA**  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] BY: [Signature] DATE: 12/14/03  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
CHIEF P.W. ENGR.

**WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT**  
2769 MARY STREET  
RIVERSIDE, CA 92506  
Construction Details

PROJECT NO. 510201/510211  
**LC-2**  
SHEET 6 OF 10  
PLAN NO. 020532



STATION # / CONTROLLER	
FLOW (GPM)	VALVE SIZE

CLASS 200 PIPE SIZING CHART	
1-8 GPM	3/4" PIPE
10-15 GPM	1" PIPE
16-25 GPM	1 1/4" PIPE
26-35 GPM	1 1/2" PIPE
36-50 GPM	2" PIPE
51-75 GPM	2 1/2" PIPE
76-120 GPM	3" PIPE
121-190 GPM	4" PIPE

SCH 40 PVC SLEEVING CHART		
1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"-3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

PRESSURE LOSS CALCULATIONS	
STATION: 15A	FLOW: 66 GPM
LOSS THRU 2" WATER METER	3.20 PSI
LOSS THRU 2" BACKFLOW	12.00 PSI
LOSS THRU PRESSURE REGULATOR	5.00 PSI
LOSS THRU 540' OF 2" MAIN	7.72 PSI
LOSS THRU 3 GATE VALVES	3.00 PSI
LOSS THRU 2" RCV VALVE	3.00 PSI
LOSS THRU LATERAL LINES	5.00 PSI
ELEVATION GAIN / LOSS	0.00 PSI
MISC. LOSS THRU FITTINGS (10%)	4.88 PSI
TOTAL SYSTEM LOSSES	43.80 PSI
PRESSURE REQUIRED AT HEAD	40.00 PSI
REGULATED STATIC PRESSURE	110.00 PSI
PRESSURE REGULATOR	10.00 PSI
RESIDUAL PRESSURE	16.20 PSI

P.O.C. INFORMATION	
METER SIZE	2"
WATER TYPE	POTABLE
STATIC PRESSURE	110 PSI
PEAK DEMAND	66 GPM
SOURCE AT COWD	-
DATE INFO OBTAINED	1979

EQUIPMENT LEGEND				
SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
NOT SHOWN	IRRIGATION WATER METER	2"	N/A	(6)
ⓐ	EXISTING IRRIGATION CONTROLLER - ORIGINAL LOCATION	24 STA.	N/A	(2)
ⓑ	EXISTING IRRIGATION CONTROLLER - PROPOSED LOCATION	24 STA.	'A', LI-2	(2)
NOT SHOWN	EXISTING BACKFLOW PREVENTER ASSEMBLY	2"	N/A	(6)
NOT SHOWN	EXISTING WILKINS 600 SERIES PRESSURE REGULATOR	3/4"	N/A	(6)
ⓐ	EXISTING ELECTRIC CONTROL VALVE	PLAN SIZE	N/A	(3)
ⓑ	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE	PLAN SIZE	'G', LI-2	(3)
ⓐ	RAINBIRD #33DLRC SERIES QUICK COUPLING VALVE	3/4"	'B', LI-2	(3)
---	EXISTING SCH 40 IRRIGATION MAINLINE	2"	N/A	(2,6)
---	EXISTING NON-PRESSURE LATERAL LINE	PLAN SIZE	N/A	(2,6)
---	CLASS 200 PVC NON-PRESSURE LATERAL LINE - 12" MIN. COVER	PLAN SIZE	'I', LI-2	(2)
---	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'J', LI-2	(2,4,5)
NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	-	(1)

- (1) ALL WIRING IS TO BE DONE PER CITY OR RIVERSIDE STANDARD SPECIFICATIONS SECTION 02441, PART 3.08.
  - (2) IRRIGATION LINE LAYOUT IS DIAGRAMATIC ONLY. CONTRACTOR TO VERIFY IN THE FIELD EXACT LOCATION OF MAINLINE.
  - (3) PROVIDE A MINIMUM 3" SEPARATION BETWEEN ALL VALVE BOXES INCLUDING RCV'S, QCV'S BALL VALVES, ETC.
  - (4) ALL IRRIGATION LINES AND CONTROL WIRE BENEATH PAVEMENT SHALL BE INSTALLED IN SCH. 40 PVC SLEEVES. CONTROL WIRE SHALL BE SEPARATELY SLEEVED FROM ALL LINES.
  - (5) ALL SLEEVES SHALL BE INSTALLED IN STRAIGHT RUNS WITH NO BENDS, CURVES OR OTHER CHANGES IN DIRECTION.
  - (6) ALL EXISTING IRRIGATION EQUIPMENT IS TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- NOTE TO CONTRACTOR:  
ALL EXISTING IRRIGATED AREAS ARE TO PROVIDE 100% HEAD-TO-HEAD COVERAGE AT THE END OF THE PROJECT.

SPRINKLER LEGEND											
SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES
					Q	T	H	F	Van		
NEW TURF POP-UP SPRAY HEADS											
ⓐ	RAINBIRD 1804-SAM-PRS-8	F	7'-8"	30	-	-	-	1.05	-	'K', LI-2	
ⓑ	RAINBIRD 1804-SAM-PRS-10	Q/H/F/Van	9'-10"	30	0.39	-	-	0.79	1.58	Var 'K', LI-2	
ⓐ	RAINBIRD 1804-SAM-PRS-12	Q/H/F/Van	11'-12"	30	0.65	-	-	1.30	2.60	Var 'K', LI-2	
EXISTING TURF POP-UP SPRAY HEADS											
ⓐ	HYDRO-RAIN NO. 636 SERIES	Q/H/F/Van	11'-12"	30	0.75	-	-	1.50	3.00	Var N/A	
TURF POP-UP ROTOR HEADS											
ⓐ	TORO 640-02-40	40	47'	40	6.0	-	-	-	-	'L', LI-2	
ⓑ	TORO 640-02-41	41	48'	40	-	-	-	9.5	-	'L', LI-2	
ⓐ	TORO 644-02-41	41	48'	40	-	-	-	9.5	-	'L', LI-2	
ⓑ	EXISTING TORO 640-02-40	40	47'	40	6.0	-	-	-	-	'L', LI-2 (1)	
ⓐ	EXISTING TORO 640-02-41	41	48'	40	-	-	-	9.5	-	'L', LI-2 (1)	
ⓑ	EXISTING TORO 640-02-41	41	48'	40	-	-	-	9.5	-	'L', LI-2 (1)	

(1) CONTRACTOR TO PROTECT IN PLACE EXISTING HEADS AS IDENTIFIED ON THE PLAN.

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4649 Brockton Avenue  
Riverside, CA 92506  
(909) 369-0700  
Fax: (909) 369-4039  
e-mail: bill@comworksg.com  
http://www.comworksg.com



PREPARED UNDER THE DIRECTION OF  
**TIMOTHY I. MALONEY**  
REGISTERED LANDSCAPE ARCHITECT, RLA  
EXPIRATION DATE: 10/31/05  
SCALE: 1"=10'  
DATE: 2/4/04

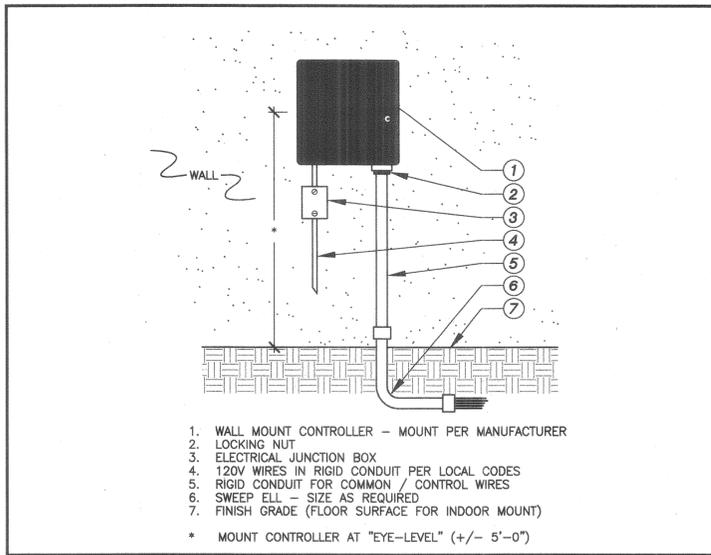
**CITY OF RIVERSIDE**  
3900 MAIN STREET  
RIVERSIDE, CA  
BENCHMARK  
DATE: 2/4/04

MARK	REVISIONS	APPR. DATE

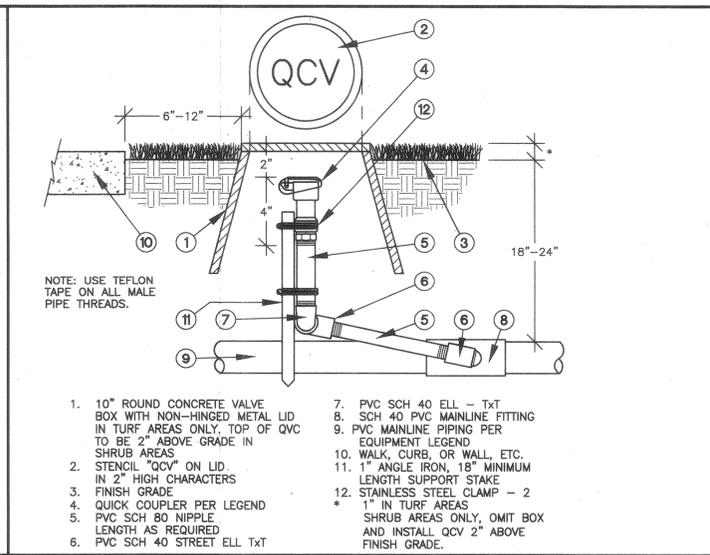
**CITY OF RIVERSIDE, CALIFORNIA**  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY: [Signature]  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
DESIGNED BY: TY DRAWN BY: TY CHECKED BY: TIM

**WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT**  
2769 MARY STREET  
RIVERSIDE, CA 92506  
Irrigation Plan

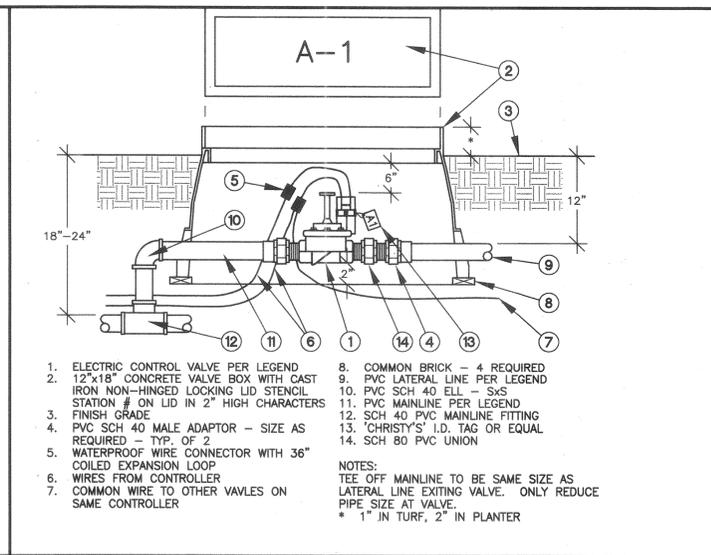
PROJECT NO. 510201/510211  
**LI-1**  
SHEET 7 OF 10  
PLAN NO. 020532



1. WALL MOUNT CONTROLLER - MOUNT PER MANUFACTURER
  2. LOCKING NUT
  3. ELECTRICAL JUNCTION BOX
  4. 120V WIRES IN RIGID CONDUIT PER LOCAL CODES
  5. RIGID CONDUIT FOR COMMON / CONTROL WIRES
  6. SWEEP ELL - SIZE AS REQUIRED
  7. FINISH GRADE (FLOOR SURFACE FOR INDOOR MOUNT)
- \* MOUNT CONTROLLER AT "EYE-LEVEL" (+/- 5'-0")



1. 10" ROUND CONCRETE VALVE BOX WITH NON-HINGED METAL LID IN TURF AREAS ONLY, TOP OF QCV TO BE 2" ABOVE GRADE IN SHRUB AREAS
2. STENCIL "QCV" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. QUICK COUPLER PER LEGEND
5. PVC SCH 80 NIPPLE LENGTH AS REQUIRED
6. PVC SCH 40 STREET ELL TXT
7. PVC SCH 40 ELL - TXT
8. SCH 40 PVC MAINLINE FITTING
9. PVC MAINLINE PIPING PER EQUIPMENT LEGEND
10. WALK, CURB, OR WALL, ETC.
11. 1" ANGLE IRON, 18" MINIMUM LENGTH SUPPORT STAKE
12. STAINLESS STEEL CLAMP - 2 1" IN TURF AREAS SHRUB AREAS ONLY, OMIT BOX AND INSTALL QCV 2" ABOVE FINISH GRADE.



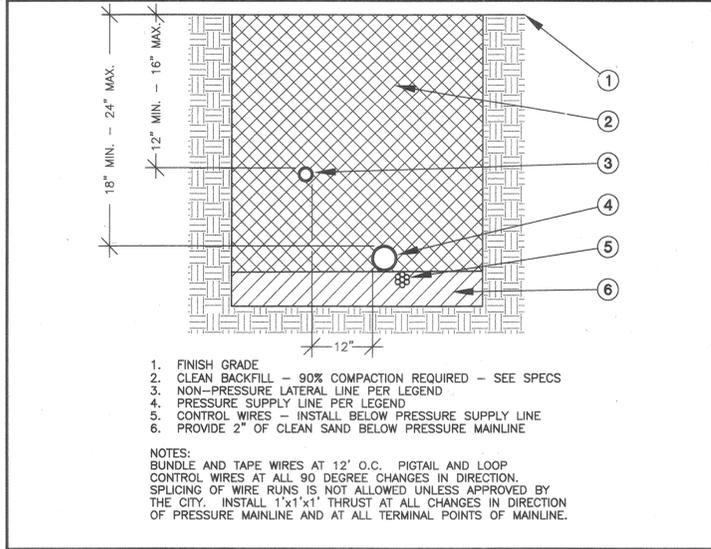
1. ELECTRIC CONTROL VALVE PER LEGEND
  2. 12"x18" CONCRETE VALVE BOX WITH CAST IRON NON-HINGED LOCKING LID STENCIL STATION # ON LID IN 2" HIGH CHARACTERS
  3. FINISH GRADE
  4. PVC SCH 40 MALE ADAPTOR - SIZE AS REQUIRED - TYP. OF 2
  5. WATERPROOF WIRE CONNECTOR WITH 36" COILED EXPANSION LOOP
  6. WIRES FROM CONTROLLER
  7. COMMON WIRE TO OTHER VALVES ON SAME CONTROLLER
  8. COMMON BRICK - 4 REQUIRED
  9. PVC LATERAL LINE PER LEGEND
  10. PVC SCH 40 ELL - SxS
  11. PVC MAINLINE PER LEGEND
  12. SCH 40 PVC MAINLINE FITTING
  13. "CHRISTY'S" LID TAG OR EQUAL REQUIRED - TYP. OF 2
  14. SCH 80 PVC UNION
- NOTES:  
TEE OFF MAINLINE TO BE SAME SIZE AS LATERAL LINE EXITING VALVE. ONLY REDUCE PIPE SIZE AT VALVE.  
\* 1" IN TURF, 2" IN PLANTER

**A Controller**

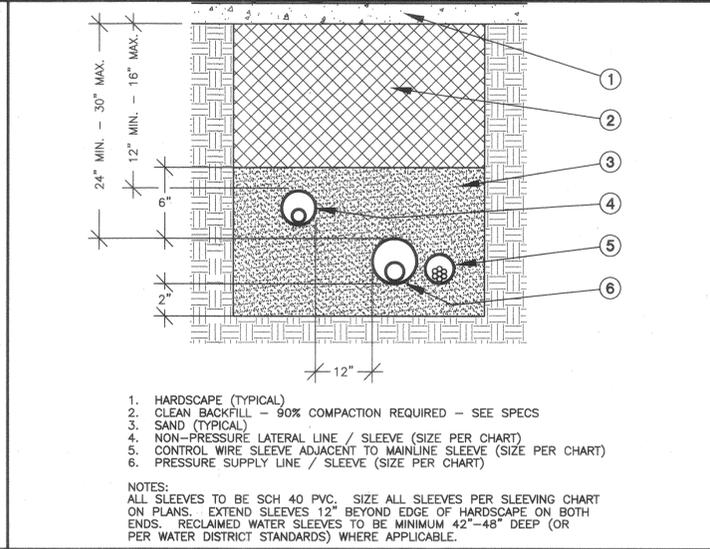
**B Quick Coupling Valve**

**C Remote Control Electric Valve**

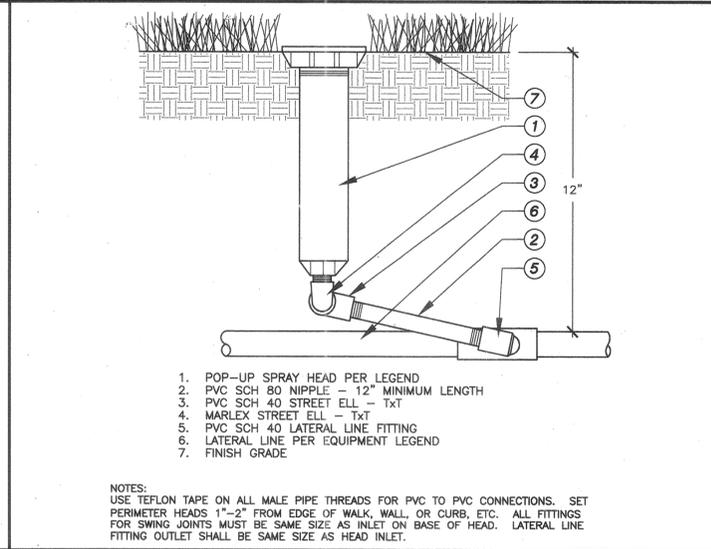
**D Not Used**



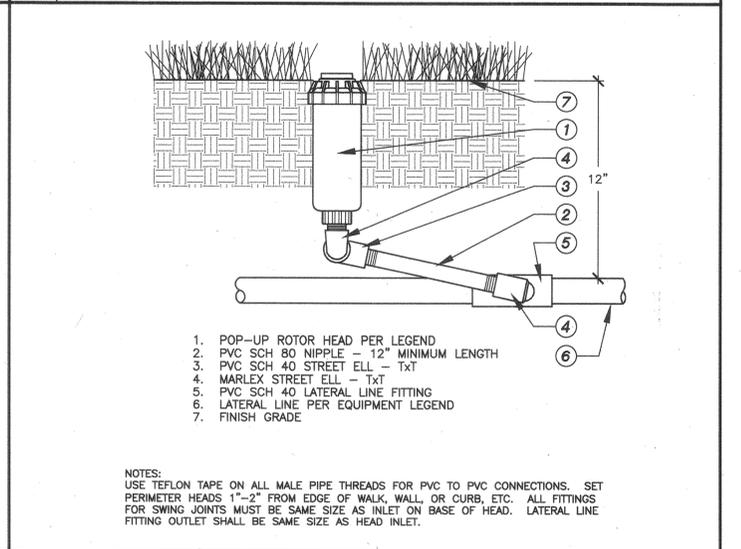
1. FINISH GRADE
  2. CLEAN BACKFILL - 90% COMPACTION REQUIRED - SEE SPECS
  3. NON-PRESSURE LATERAL LINE PER LEGEND
  4. PRESSURE SUPPLY LINE PER LEGEND
  5. CONTROL WIRES - INSTALL BELOW PRESSURE SUPPLY LINE
  6. PROVIDE 2" OF CLEAN SAND BELOW PRESSURE MAINLINE
- NOTES:  
BUNDLE AND TAPE WIRES AT 12" O.C. PIGTAIL AND LOOP CONTROL WIRES AT ALL 90 DEGREE CHANGES IN DIRECTION. SPLICING OF WIRE RUNS IS NOT ALLOWED UNLESS APPROVED BY THE CITY. INSTALL 1'x1'x1" THRUST AT ALL CHANGES IN DIRECTION OF PRESSURE MAINLINE AND AT ALL TERMINAL POINTS OF MAINLINE.



1. HARDSCAPE (TYPICAL)
  2. CLEAN BACKFILL - 90% COMPACTION REQUIRED - SEE SPECS
  3. SAND (TYPICAL)
  4. NON-PRESSURE LATERAL LINE / SLEEVE (SIZE PER CHART)
  5. CONTROL WIRE SLEEVE ADJACENT TO MAINLINE SLEEVE (SIZE PER CHART)
  6. PRESSURE SUPPLY LINE / SLEEVE (SIZE PER CHART)
- NOTES:  
ALL SLEEVES TO BE SCH 40 PVC. SIZE ALL SLEEVES PER SLEEVING CHART ON PLANS. EXTEND SLEEVES 12" BEYOND EDGE OF HARDSCAPE ON BOTH ENDS. RECLAIMED WATER SLEEVES TO BE MINIMUM 42"-48" DEEP (OR PER WATER DISTRICT STANDARDS) WHERE APPLICABLE.



1. POP-UP SPRAY HEAD PER LEGEND
  2. PVC SCH 80 NIPPLE - 12" MINIMUM LENGTH
  3. PVC SCH 40 STREET ELL - TXT
  4. MARLEX STREET ELL - TXT
  5. PVC SCH 40 LATERAL LINE FITTING
  6. LATERAL LINE PER EQUIPMENT LEGEND
  7. FINISH GRADE
- NOTES:  
USE TEFLON TAPE ON ALL MALE PIPE THREADS FOR PVC TO PVC CONNECTIONS. SET PERIMETER HEADS 1"-2" FROM EDGE OF WALK, WALL, OR CURB, ETC. ALL FITTINGS FOR SWING JOINTS MUST BE SAME SIZE AS INLET ON BASE OF HEAD. LATERAL LINE FITTING OUTLET SHALL BE SAME SIZE AS HEAD INLET.



1. POP-UP ROTOR HEAD PER LEGEND
  2. PVC SCH 80 NIPPLE - 12" MINIMUM LENGTH
  3. PVC SCH 40 STREET ELL - TXT
  4. MARLEX STREET ELL - TXT
  5. PVC SCH 40 LATERAL LINE FITTING
  6. LATERAL LINE PER EQUIPMENT LEGEND
  7. FINISH GRADE
- NOTES:  
USE TEFLON TAPE ON ALL MALE PIPE THREADS FOR PVC TO PVC CONNECTIONS. SET PERIMETER HEADS 1"-2" FROM EDGE OF WALK, WALL, OR CURB, ETC. ALL FITTINGS FOR SWING JOINTS MUST BE SAME SIZE AS INLET ON BASE OF HEAD. LATERAL LINE FITTING OUTLET SHALL BE SAME SIZE AS HEAD INLET.

**E Trenching**

**F Sleeving**

**G Turf Pop-Up Spray Head**

**H Turf Rotor Head**

**IRRIGATION NOTES:**

1. GENERAL - ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND THESE PLANS. THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
  - A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
  - B. THE CONTRACTOR SHALL CARRY ALL WORKERS COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE, AS REQUIRED BY THE CITY / OWNER.
2. SCOPE OF WORK - UNLESS OTHERWISE SPECIFIED, THE CONSTRUCTION OF IRRIGATION SYSTEMS SHALL INCLUDE THE FURNISHING, INSTALLATION AND TESTING OF ALL MAINLINE, POINT OF CONNECTION, LATERAL LINES, RISERS, AND FITTINGS; AND THE FURNISHING AND INSTALLATION OF SPRINKLER HEADS, CONTROLLERS, ELECTRIC CONTROL VALVES, EXCAVATION AND BACKFILL, AND ALL OTHER WORK IN ACCORDANCE WITH THESE PLANS, DETAILS, AND NOTES. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT PROPERTY, TRANSPORTATION, AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND OPERABLE IRRIGATION SYSTEM AS INDICATED ON, OR REASONABLY IMPLIED, BY THE DRAWINGS, DETAILS, AND NOTES. INCLUDED AS A PART OF THE IRRIGATION WORK, BUT NOT LIMITED BY IT, ARE THE FOLLOWING:
  - A. INSTALL COMPLETE OPERABLE INDEPENDENT IRRIGATION SYSTEMS PER THE PLANS, DETAILS, NOTES, AND LEGENDS.
  - B. ALL IRRIGATION WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO MATERIAL AND WORKMANSHIP, INCLUDING SETTling OF BACKFILLED TRENCHES BELOW GRADE, FOR A PERIOD OF ONE (1) YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF THE WORK.
  3. THE LANDSCAPE ARCHITECT SHALL DECIDE ALL QUESTIONS RELATING TO THE INTERPRETATION OF THE DRAWINGS AND THE ACCEPTABLE FULFILLMENT OF THE CONTRACT.
  4. PIPING SHOWN ON THE PLANS IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL ROUTE PIPING TO AVOID CONFLICT WITH STATIONARY ELEMENTS AND IN SUCH A MANNER AS TO CONFORM WITH THE VARIOUS DETAILS AND DESIGN INTENT OF THESE PLANS.
  5. THE CONTRACTOR SHALL AT ALL TIMES PROTECT HIS WORK FROM DAMAGE AND THEFT AND REPLACE ALL DAMAGED OR STOLEN PARTS AT HIS EXPENSE UNTIL THE WORK IS ACCEPTED IN WRITING BY THE OWNER / CITY.
6. EXTREME CARE SHALL BE EXERCISED IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF ALL UTILITIES AND BE RESPONSIBLE FOR ANY DAMAGE.
7. THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS, AND RUBBISH INCIDENTAL TO HIS WORK.
8. IRRIGATION DESIGN IS BASED ON 110 PSI AVAILABLE WATER PRESSURE AT 66 GPM. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO CONSTRUCTION; SHOULD A DISCREPANCY EXIST, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO START OF WORK.
9. CONTRACTOR SHALL MAKE POINT(S) OF CONNECTION AS NOTED ON THE PLANS.
10. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING 120 VOLT SERVICE TO THE CONTROLLER; ELECTRICAL POWER WILL BE PROVIDED BY OWNER AT THE CONTROLLER LOCATION SHOWN ON THE PLANS.
11. ALL WIRES SHALL BE SOLID COPPER, PLASTIC INSULATED, U.F. DIRECT BURIAL WIRE. ALL COMMON WIRE SHALL BE AWG #12 WHITE; ALL CONTROL WIRE SHALL BE AWG #14 RED OR BLACK. CONTROLLERS SHALL HAVE SEPARATE COLOR CODED COMMON WIRES WHEN TWO OR MORE CONTROLLERS ARE ON PROJECT.
12. ALL CONTROL WIRES AND IRRIGATION PIPE LINES THAT RUN UNDER PAVING SHALL BE ENCASED IN SCH 40 PVC PIPE SLEEVES. SLEEVES SHALL BE SIZED ACCORDING TO THE CHART ON THE PLANS.
13. FINAL LOCATION OF CONTROL VALVES SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
14. CONTRACTOR SHALL HEAT BRAND VALVE NUMBERS ON INSIDE AND OUTSIDE OF ALL VALVE BOX LIDS.
15. ALL BRASS OR GALVANIZED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE OR LEAD-LUBE JOINT COMPOUND (OF APPROVED EQUAL). ALL PVC THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
16. ALL PVC SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH SOLVENT-WELD MATERIALS AS RECOMMENDED BY THE PIPE MANUFACTURER. SOLVENT-WELD PRIMER SHALL BE APPLIED AT ALL CONNECTIONS.
18. LOW HEAD DRAINAGE WILL NOT BE ALLOWED. CONTRACTOR TO DETERMINE IN THE FIELD WHICH HEADS DRAIN AFTER THE VALVE IS SHUT OFF. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL IN LINE CHECK VALVES AS NEEDED AT NO ADDITIONAL COST TO THE OWNER.
18. ALL PRESSURE SUPPLY LINES AND CONTROL WIRES TO HAVE 18"-24" MINIMUM COVER (PER DETAIL). LATERAL LINES TO HAVE 12" MINIMUM COVER.
19. THE RADIUS OF EACH HEAD IS TO BE ADJUSTED TO THAT HEAD-TO-HEAD COVERAGE IS MAINTAINED, BUT OVERSPRAY ON BUILDINGS, WALKS, AND WALLS, ETC. IS MINIMIZED.
20. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO TURN OVER TO THE OWNER THE FOLLOWING:
  - A. A REPRODUCIBLE SET OF "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
  - B. 2 KEYS FOR EACH CONTROLLER AND CONTROLLER ENCLOSURE (AS APPLICABLE).
  - C. 2 QUICK COUPLER KEYS AND MATCHING HOSE SWIVELS.
  - D. 4 OF EACH SPRINKLER HEAD SPECIFIED.
21. AS-BUILT DRAWINGS - THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL TRANSCRIBE ALL INFORMATION FROM THE "AS-BUILT" SET TO A REPRODUCIBLE OZALID SEPIA, PROCURED FROM THE OWNER. ALL WORK SHALL BE NEAT AND LEGIBLE, LOCATING THE FOLLOWING ITEMS FROM PERMANENT POINTS OF REFERENCE: SHUT-OFF VALVES, MAINLINE AND CONTROL WIRE ROUTING, POC, BACKFLOW DEVICE, CONTROL VALVES, CONTROLLER, QUICK COUPLERS, AND OTHER PERTINENT UNDERGROUND ITEMS.
22. CONTROLLER CHART - UPON APPROVAL OF THE FINAL "AS-BUILT" DRAWINGS, PROVIDE ONE CHART FOR EACH CONTROLLER INSTALLED AS FOLLOWS:
  - A. THE CHART IS TO BE A REDUCED COPY OF THE APPROVED "AS-BUILT" SYSTEM (A BLACK-LINE PRINT REDUCED TO THE MAXIMUM SIZE THE CONTROLLER DOOR WILL ALLOW, COLORED WITH A DIFFERENT COLOR FOR EACH VALVE STATION).
  - B. WHEN COMPLETED AND APPROVED, THE CHART SHALL BE HERMETICALLY SEALED BETWEEN TWO (2) PIECES OF 20 MIL CLEAR PLASTIC AND MOUNTED ON THE INSIDE OF THE CONTROLLER DOOR USING VELCRO TAPE OR EQUAL.

**I General Irrigation Notes**

**J Not Used**

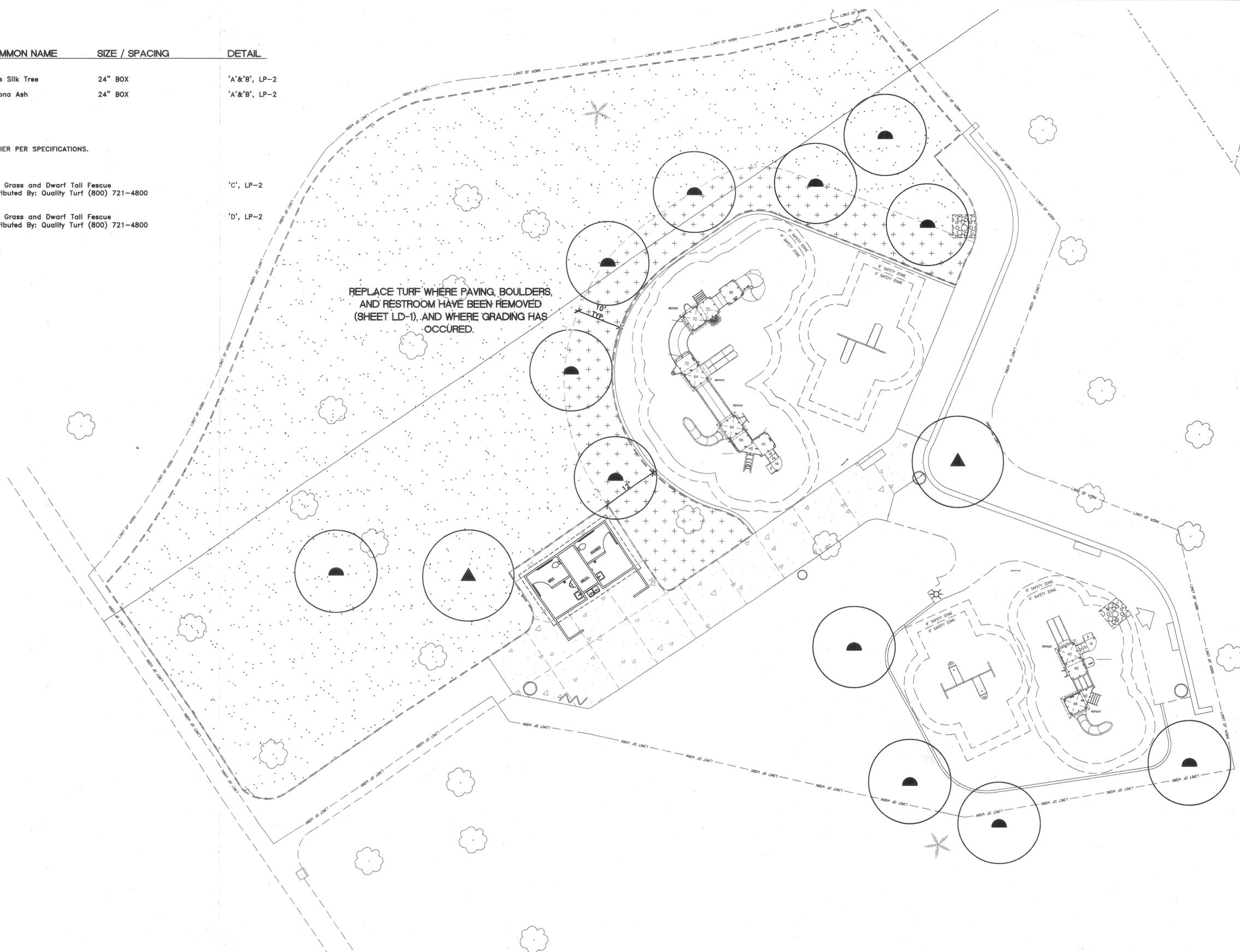
<p>DIAL TOLL FREE 1-800-227-2600 AT LEAST TWO DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA</p>	<p>4649 Brockton Avenue Riverside, CA 92506 (909) 369-0700 Fax: (909) 369-4039 e-mail: bill@comworksdg.com http://www.comworksdg.com</p>	<p>REGISTERED LANDSCAPE ARCHITECT STATE OF CALIFORNIA 2-8-04 25804</p>	PREPARED UNDER THE DIRECTION OF <b>TIMOTHY I. MALONEY</b> REGISTERED LANDSCAPE ARCHITECT, RLA 2110 EXPIRATION DATE 10/31/05	CITY OF RIVERSIDE 3900 MAIN STREET RIVERSIDE, CA	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT 2769 MARY STREET RIVERSIDE, CA 92506 Irrigation Details	PROJECT NO. 510201/510211
			SCALE: N/A NORTH: BENCHMARK:				APPROVED BY: _____ PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGR.

TREES	BOTANIC NAME	COMMON NAME	SIZE / SPACING	DETAIL
	CHORISIA SPECIOSA 'MAJESTIC BEAUTY'	Floss Silk Tree	24" BOX	'A' & 'B', LP-2
	FRAXINUS VELUTINA	Arizona Ash	24" BOX	'A' & 'B', LP-2
	EXISTING TREE TO REMAIN			
	EXISTING PALM TREE TO REMAIN			

\* NOTE: PLANT ALL TREES WITH A DEEP ROOT BARRIER PER SPECIFICATIONS.

GROUNDCOVERS			
	SODDED "EDEN" TURF	Blue Grass and Dwarf Tall Fescue Distributed By: Quality Turf (800) 721-4800	'C', LP-2
	HYDROSEED TURF (TO MATCH SOD)	Blue Grass and Dwarf Tall Fescue Distributed By: Quality Turf (800) 721-4800	'D', LP-2

REPLACE TURF WHERE PAVING, BOULDERS,  
AND RESTROOM HAVE BEEN REMOVED  
(SHEET LD-1), AND WHERE GRADING HAS  
OCCURED.



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PREPARED UNDER THE DIRECTION OF  
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EXPIRATION DATE 10/31/05  
SCALE: 1"=10'-0"  
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**CITY OF RIVERSIDE**  
3900 MAIN STREET  
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BENCHMARK  
---

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BWW DRAWN BY ANH CHECKED BY SR

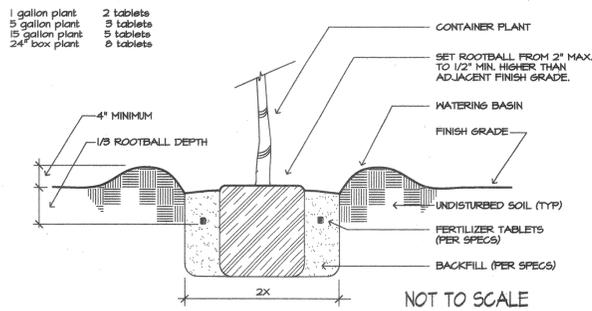
**CITY OF RIVERSIDE, CALIFORNIA**  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY \_\_\_\_\_ BY DATE \_\_\_\_\_  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
CHIEF P.W. ENGR.

**WASHINGTON PARK RESTROOM  
+ PLAYGROUND REPLACEMENT**  
2769 MARY STREET  
RIVERSIDE, CA 92506  
Planting Plan

PROJECT NO. 510201/510211  
**LP-1**  
SHEET 9 OF 10  
PLAN NO. 020532

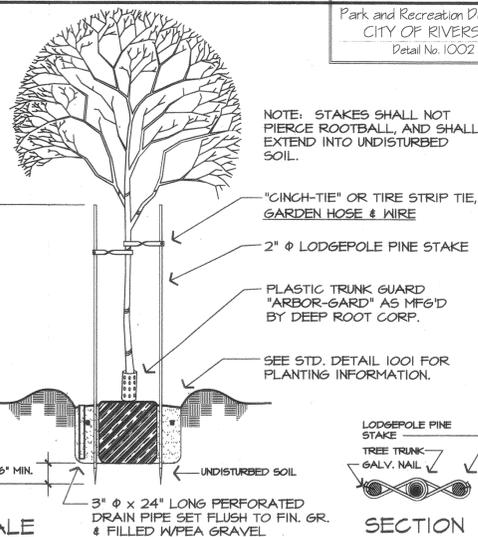
**GENERAL PLANTING NOTES**

- Contact the Inspector at 715-3461 two working days (48 hours) prior to installing any plant material.
- Trees planted in turf areas shall be maintained with a minimum 12" radius around the tree free of turf throughout the maintenance period.
- Watering basins may be removed after the maintenance period.
- For staking information as applicable, refer to Standard Detail 1002.
- For guying information as applicable, refer to Standard Detail 1003.
- For specification information, refer to City of Riverside Park and Recreation Department Standard Specifications, Section 02480 Planting.
- Provide Fertilizer Tablets as follows:



Park and Recreation Department  
CITY OF RIVERSIDE  
Detail No. 1001

Park and Recreation Department  
CITY OF RIVERSIDE  
Detail No. 1002



**SOD NOTE:**

TURF GRASS SHALL BE PLANTED BY SOD, AS INDICATED ON THE PLANTING PLAN.

SODDING: IRRIGATE AREAS TO BE SODDED PRIOR TO INSTALLATION. MOISTURE SHALL BE UNIFORMLY PRESENT TO A DEPTH OF 2". SOD SHALL BE STORED WITHIN A SHADED AREA PRIOR TO INSTALLATION. SOD SHALL CONFORM TO ALL LAWN SHAPES AS DESIGNATED ON THE PLANTING PLANS AND SHALL BE INSTALLED IN SUCH A MANNER AS TO VISUALLY ELIMINATE ALL JOINTS AND EDGES OF SOD STRIPS. FOLLOWING INSTALLATION, IRRIGATE TURF AREAS THOROUGHLY TO PROVIDE GOOD MOISTURE PENETRATION. ROLL ALL SOD WITHIN TWO (2) DAYS FOLLOWING INSTALLATION. SOD SHALL BE UNIFORMLY SMOOTH IN APPEARANCE AND SHALL BE FLUSH WITH THE FINISH GRADE OF ALL WALKS, CURBS, ETC.

**HYDROSEED NOTE:**

MIXING OF HYDROSEED SLURRY SHALL BE PERFORMED IN A TANK WITH A BUILT-IN CONTINUOUS AGITATION AND RECIRCULATION SYSTEM OF SUFFICIENT OPERATING CAPACITY TO PRODUCE A HOMOGENOUS SLURRY OF FIBER, M-BINDER, SEED, FERTILIZER, AND WATER.

SEED MIX: PER PLAN

- APPLICATION:
- 400 lbs/acre BLUE GRASS & DWARF TALL FESCUE
  - 50 lbs/acre PERENNIAL RYE
  - 1611 lbs/acre CELLULOSE WOOD FIBER MULCH
  - 37 lbs/acre ORGANIC BINDER
  - 196 lbs/acre 10-10-10 FERTILIZER

HYDROSEED SLURRY SHALL BE APPLIED UNDER HIGH PRESSURE EVENLY AND RESULT IN A UNIFORM COAT ON ALL AREAS TO BE TREATED. CARE SHALL BE EXERCISED TO ASSURE THAT ALL PLANTS IN PLACE ARE NOT SUBJECTED TO THE DIRECT FORCE OF THE APPLICATION. SLURRY SHALL BE IMMEDIATELY REMOVED FROM WALKS, PAVEMENT, STRUCTURES, AND GROUND COVER AREAS THAT ARE INADVERTENTLY SPRAYED. ALL BARE SPOTS SHALL BE RESEED BY THE CONTRACTOR WITHIN 15 DAYS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL RESEED AREAS FOR AS LONG AFTER SEEDING AS NECESSARY, UNTIL ACCEPTABLE GERMINATION AND ESTABLISHMENT IS REALIZED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

A	B	C	D
E	F	G	H
I	J	K	L

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EXPIRATION DATE 10/31/05

SCALE: N.T.S. NORTH: BENCHMARK: -  
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**CITY OF RIVERSIDE**  
3900 MAIN STREET  
RIVERSIDE, CA

MARK	REVISIONS	APPR. DATE
DESIGNED BY	DRAWN BY ANH	CHECKED BY SR

**CITY OF RIVERSIDE, CALIFORNIA**  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		

**WASHINGTON PARK RESTROOM + PLAYGROUND REPLACEMENT**  
2769 MARY STREET  
RIVERSIDE, CA 92506  
Planting Details

PROJECT NO. 510201/510211  
**LP-2**  
SHEET 10 OF 10  
PLAN NO. 020532