GENERAL NOTES

CONTROL WIRE:

QUICK COUPLERS:

RRIGATION SYSTEM DESIGN CRITERIA FOR CAPITAL PROJECTS: CONTRACTOR SHALL CONTACT THE CITY OF RIVERSIDE, PUBLIC UTILITIES, WATER DEPARTMENT OR WESTERN MUNICIPAL WATER DISTRICT AND OBTAIN AND PAY FOR NEW WATER METER(S) AS NECESSARY TO ADEQUATELY SERVE THE IRRIGATION SYSTEM AS DESIGNED. METER AND BACKFLOW DEVICES SHALL BE LOCATED IN THE PARKWAY (WITHIN PUBLIC RIGHT-OF-WAY) A MINIMUM OF 100' FROM ANY INTERSECTION OR MAJOR DRIVEWAY (CURB RETURN TYPE DRIVEWAY OPENING). CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER COSTS THROUGHOUT THE MAINTENANCE AND PLANT ESTABLISHMENT PERIOD IF

APPLICABLE. ELECTRIC SERVICE: CONTRACTOR SHALL CONTACT THE CITY OF RIVERSIDE. PUBLIC UTILITIES. ELECTRICAL DIVISION TO OBTAIN AND PAY FOR A NEW 'NON-METERED' ELECTRICAL SERVICE AS NECESSARY TO SERVE EACH NEW IRRIGATION CONTROLLER(S). SERVICE SHALL BE UNDERGROUND TYPE. COORDINATE LOCATION

AND OBTAIN APPROVAL FROM THE CITY'S INSPECTOR IRRIGATION CONTROLLER: THE IRRIGATION CONTROLLER(S) (ONE REQUIRED AT EACH POINT OF CONNECTION, I.E. P.O.C.), EACH SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF VALVES REQUIRED TO SERVE THE ENTIRE PROJECT AND TO PROVIDE A MINIMUM OF TWO SPARE STATIONS. THE CONTROLLER AND ENCLOSURE SHALL BE THE TYPE AND MANUFACTURER AS INDICATED ON THE PLANS AND/OR IRRIGATION LEGEND. CONTROLLER SHALL BE WEATHERPROOF, PER CITY SPECS. INSTALLED WITHIN A LOCKING STAINLESS STEEL METAL ENCLOSURE TO SUPPORT CONTROLLER MANUFACTURER REQUIREMENTS, AS WELL AS CITY

REQUIREMENTS, AND SHALL BE LOCATED A MINIMUM OF 100' FROM ANY INTERSECTION OR MAJOR DRIVEWAY (CURB RETURN DRIVEWAY OPENING). A CONCRETE PAD THE SAME WIDTH AND THICKNESS, AS THE CONTROLLER PAD SHALL BE INSTALLED BETWEEN THE CONTROLLER AND THE BACK OF SIDEWALK.

ENRNJGW: SLEEVES SHALL BE INSTALLED IN STRAIGHT LINES (NO TURNS OR BENDS, EITHER VERTICAL OR HORIZONTAL).

> WITH TRACER TAPE (TYPE OF SLEEVE INDICATED ON TAPE) INSTALLED SIX INCHES ABOVE EACH SLEEVE. MAIN LINE SLEEVES UNDER STREET AREAS SHALL BE CLASS 315 PVC OR SCH. 40

•• ALL LINES BENEATH STREET AREAS (I.E. NOT WITHIN THE LANDSCAPE PLANTING AREAS) SHALL BE CONSTANT PRESSURE LINES INSTALLED IN SLEEVES

CONTROLLER WIRES INSTALLED WITHIN STREETS SHALL BE SLEEVED IN GRAY PVC SCH. 40 CONDUIT, WITH 12" MINIMUM SEPARATION FROM THE MAIN LINE, LATERAL LINES AND CONTROL WIRES INSTALLED BENEATH HARDSCAPE WITHIN THE LANDSCAPE AREA EXTENDING FOR FIVE FEET OR MORE

MUST BE SLEEVED. THE SLEEVE SHALL EXTEND TWELVE INCHES BEYOND EDGE OF HARDSCAPE MAIN LINE AND LATERAL LINES SHALL BE SLEEVED IN SCH. 40 PVC.

CONTROLLER WIRES SHALL BE INSTALLED GRAY SCH. 40 PVC CONDUIT

ALL CONTROL WIRE LOCATED UNDER PAVEMENT OF ANY TYPE SHALL BE SEPARATELY SLEEVED FROM MAIN LINE AND LATERALS. PROVIDE A MINIMUM OF TWO SPARE CONTROL WIRES AT EACH TERMINATING END OF THE MAINLINE, STUBBED OUT IN A VALVE BOX WITH THE LID MARKED "SW". STATION

MAINLINE: SIZE ALL MAINLINES AS NECESSARY TO KEEP WATER VELOCITY BELOW 5 FEET PER SECOND. PRESSURE SUPPLY LINES 2 INCHES IN DIAMETER AND UP TO 8 INCHES IN DIAMETER SHALL BE EITHER CLASS 315 SOLVENT WELD PVC OR GASKET TYPE PVC. SOLVENT WELD AND RING TYPE PIPE SHALL NOT BE USED TOGETHER ON THE SAME PRESSURE SUPPLY LINE. PRESSURE SUPPLY LINES 11/2" IN DIAMETER AND SMALLER SHALL BE SCH. 40 PVC. PROVIDE A LINE SIZE GATE VALVE WITHIN A VALVE BOX IMMEDIATELY UPSTREAM OF LINE ENTERING A SLEEVE PASSING UNDER THE STREET AREA. THRUST BLOCKS SHALL BE INSTALLED PER PIPE MANUFACTURER REQUIREMENTS OR AS DIRECTED BY CITY INSPECTOR.

LATERAL LINES: SIZE ALL LATERAL LINES AS NECESSARY TO KEEP WATER VELOCITY BELOW 5 FEET PER SECOND. DESIGN LATERAL LINE PLACEMENTS AT EDGES OF PLANTING SPACES TO AVOID CONFLICT WITH PLANTINGS, THE PIPE SHALL BE SCH. 40 PVC. ALL MAIN LINE AND LATERAL LINES RUNNING PARALLEL TO THE LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 12 INCHES.

CONTROL VALVES: ALL IRRIGATION CONTROL VALVES SHALL BE BRASS, PRESSURE REGULATION (MASTER VALVE NON-PRESSURE REGULATING), SIZED TO PROVIDE THE WATER VOLUME REQUIRED WITH PRESSURE LOSS THROUGH THE VALVE KEPT AT BELOW A MAXIMUM OF 10% OF THE AVAILABLE STATIC PRESSURE. INSTALL VALVES IN "INLINE" CONFIGURATION. ALL STATIONS SHALL BE SIZED TO AVOID 100 GPM DEMAND OR 50 HEADS PER STATION, WHICHEVER IS GREATER. VALVE BOXES: ALL VALVE BOXES SHALL BE CONCRETE BODY, WITH CAST IRON, HINGED, LOCKING LIDS. LIDS SHALL BE MARKED BY MANUFACTURER OF LIDS (WELDED INTO TOP OF LID) WITH NUMBERS FOR STATION IDENTIFICATION, "GV" FOR GATE VALVE, "QC" FOR QUICK, COUPLER, "MV" FOR MASTER VALVE, "FM" FOR FLOW METER, "SW" FOR SPARE WIRE, "SB" FOR WIRE SPLICE BOX AND "FI" FOR FERTILIZER INJECTOR.

> PROVIDE QUICK COUPLER VALVES AT A MINIMUM OF 50' FROM THE END OF THE LANDSCAPED AREA IN EACH ISLAND/PARKWAYS AND SPACED AT A MAXIMUM OF 100' O.C. IN SHRUB AND TURF AREAS.

ALL BUBBLERS SHALL BE OF THE TYPE AND MANUFACTURER INDICATED ON THE PLANS AND SHALL BE INSTALLED WITH TRIPLE SWING JOINTS IN A 3' **BUBBLERS:** PVC PERFORATED DRAIN PIPE, WITH A 3" PVC CAP FILLED WITH CRUSHED 1" ROCK AS DETAILED. TWO BUBBLERS SHALL BE INSTALLED AT EACH TREE, WITH 48" MINIMUM SPACING BETWEEN EACH BUBBLER. TREES SHALL BE PLANTED 50' MINIMUM FROM EACH NOSE, THEN SPACED 45' MINIMUM BETWEEN

MISCELLANEOUS: THE RAIN BUCKET AND THE ET GAUGE SHALL BE INSTALLED PER MANUFACTURER REQUIREMENTS. CURB MARKING: STENCIL VALVE BOX MARKINGS TO CURB TOP ALONG RIGHT-OF-WAY WITH A COMMERCIAL QUALITY ALKYD MARKING PAINT (EQUAL TO SHERWIN-WILLIAMS

SETFAST PREMIUM ALKYD ZONE MARKING PAINT, A303 YELLOW, A305 BLACK - (800) 524-5979. PAINT BLACK 3" MARKINGS ATOP A YELLOW BACKGROUND, WHICH EXTENDS A MINIMUM 1" BEYOND STENCILED MARKINGS. INITIALLY SHALL BE MARKED UP BLUE LINE PRINTS. ALL DIMENSIONS NOTED ON A COMPACT DISC (CD) WITH ALL GLOBAL POSITIONING SYSTEM (GPS) RECORD PRINTS:

COORDINATES FOR EACH REQUIRED ITEM, AND ALL INFORMATION IS TO BE TRANSFERRED TO EITHER SEPIA MYLAR OR PHOTO MYLAR PRINTS PRIOR TO TURN-OVER TO THE CITY AT FINAL ACCEPTANCE OF THE PROJECT.

PUBLIC LANDSCAPING:

ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS FOR PLANTING AND IRRIGATION WORK (LANDSCAPE)

2. BOTH A PUBLIC LANDSCAPE PERMIT, AS ISSUED BY PUBLIC WORKS, AND A PUBLIC WORKS CONSTRUCTION PERMIT AS ISSUED BY PUBLIC WORKS, ARE REQUIRED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY FOR LANDSCAPE IMPROVEMENTS IN THE RIGHT OF WAY. THE PUBLIC LANDSCAPE PERMIT MAY BE OBTAINED BY CONTACTING THE PUBLIC WORKS DEPARTMENT, AT (951) 826-5341, THE PUBLIC WORKS CONSTRUCTION PERMIT MAY BE OBTAINED AT THE PUBLIC WORKS COUNTER, 4TH FLOOR, CITY HALL, 3900 MAIN STREET. RIVERSIDE, 92522.

3. WHEN CALLING FOR INSPECTIONS CONTACT THE PUBLIC WORKS LANDSCAPE INSPECTOR at (951) 351-6313 A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION. A WRITTEN APPROVAL WILL BE PROVIDED ON THE PUBLIC LANDSCAPE PERMIT CARD FOR EACH STAGE OF INSPECTION. A VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUIRED PER THE STANDARD SPECIFICATIONS, AND INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

3.1. AFTER COMPLETION OF FINAL GRADING AND WHEN ALL UTILITY SERVICES HAVE BEEN MARKED, BUT PRIOR TO INITIATING ANY LANDSCAPE WORK WITHIN THE PUBLIC RIGHT-OF-WAY; AT TIME OF INSTALLATION OF IRRIGATION SLEEVES AND CONSTANT PRESSURE MAINLINES, BUT PRIOR TO

BACKFILL OF TRENCHES FOR SAME (NOTE: MAINLINES MUST BE PRESSURE TESTED IN THE PRESENCE OF THE PUBLIC WORKS LANDSCAPE INSPECTOR);

AT TIME OF INSTALLATION OF IRRIGATION VALVES, LATERALS AND HEADS; 3.4. FOR SPOTTING OF ALL TREES PRIOR TO DIGGING PLANTING PITS;

WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES;

AFTER PLANTING AND ALL OTHER INDICATED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE: AT SUBSTANTIAL COMPLETION OF THE PROJECT FOR CITY'S ACCEPTANCE TO START THE MAINTENANCE

3.8. AT THE END OF THE MAINTENANCE PERIOD, THE CONTRACTOR/DEVELOPER SHALL CALL THE PUBLIC WORKS LANDSCAPE INSPECTOR AT THE NUMBER LISTED ABOVE FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. CONTRACTOR'S BOND WILL NOT BE RELEASED UNTIL AFTER THE CITY'S ISSUANCE OF WRITTEN NOTIFICATIONS THAT THE PROJECT HAS PASSED FINAL INSPECTION AND THE PUBLIC WORKS DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES.

4. THE DEVELOPER SHALL BE RESPONSIBLE TO ACCEPTABLY MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD AS SPECIFIED IN THE BID DOCUMENTS.

* NOTE: IN THE INTEREST OF PUBLIC SAFETY AND MAINTENANCE THE PUBLIC WORKS LANDSCAPE INSPECTOR SHALL HAVE THE AUTHORITY TO REVISE THE TREE QUANTITIES AND LOCATIONS SHOWN ON APPROVED PLANS BASED UPON FIELD CONDITIONS FOUND AT THE TIME OF INSTALLATION OF THE TREES.

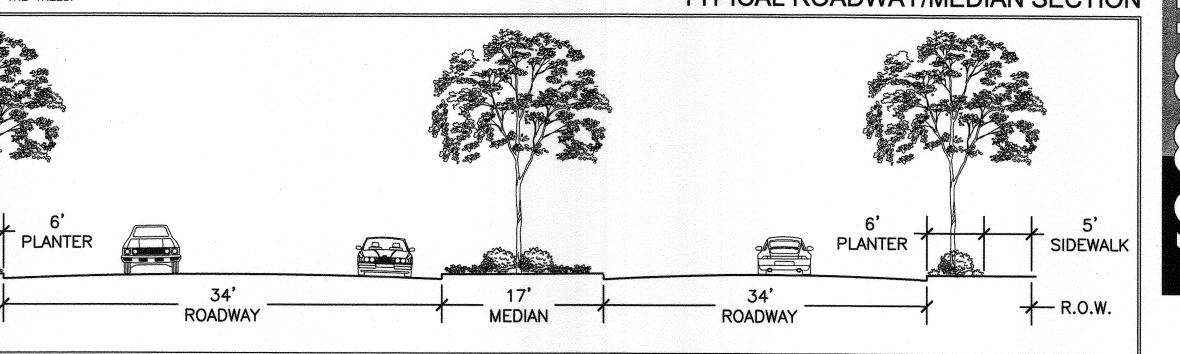
JURUPA AVENUE EXTENSION PHASE 2

ANDSCAPE QUANTITIES:

- TOTAL LANDSCAPE/HARDSCAPE AREA = 27,225 SQ. F TOTAL GROUNDCOVER AREA = 22,200 SQ. FT TOTAL DECORATIVE PAVEMENT = 3,470 SQ. FT TOTAL AREA MAINTAINED BY CITY

TYPICAL ROADWAY/MEDIAN SECTION

= 27,225 SQ. FT



4649 Brockton Avenue

Riverside, CA 92506

Phone: (951) 369-0700

Fax: (951) 369-4039

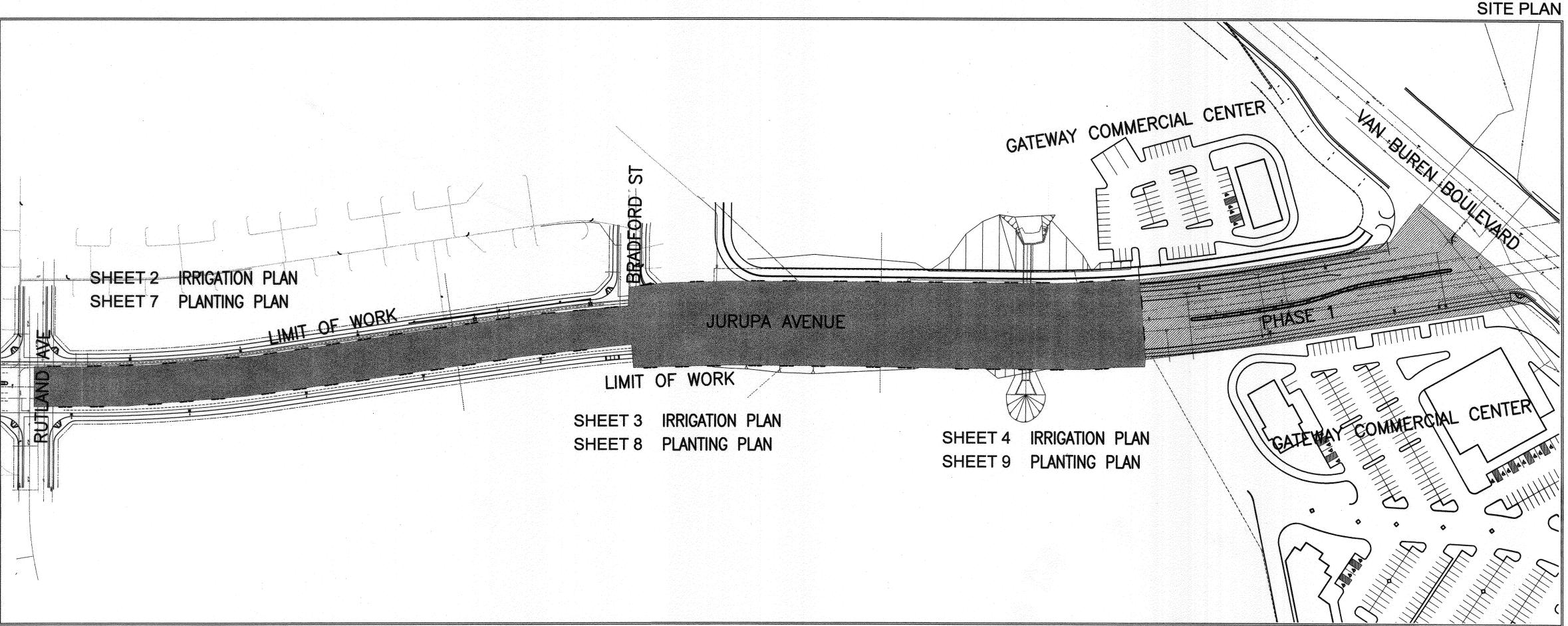
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LANDSCAPE ARCHITECTURE

Contact: Kay Kite

SHEET INDEX:

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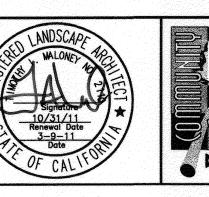


SIDEWALK

R.O.W. —#

SCALE: 1'=10'-0"

Underground Service Alert Call: TOLL FRE



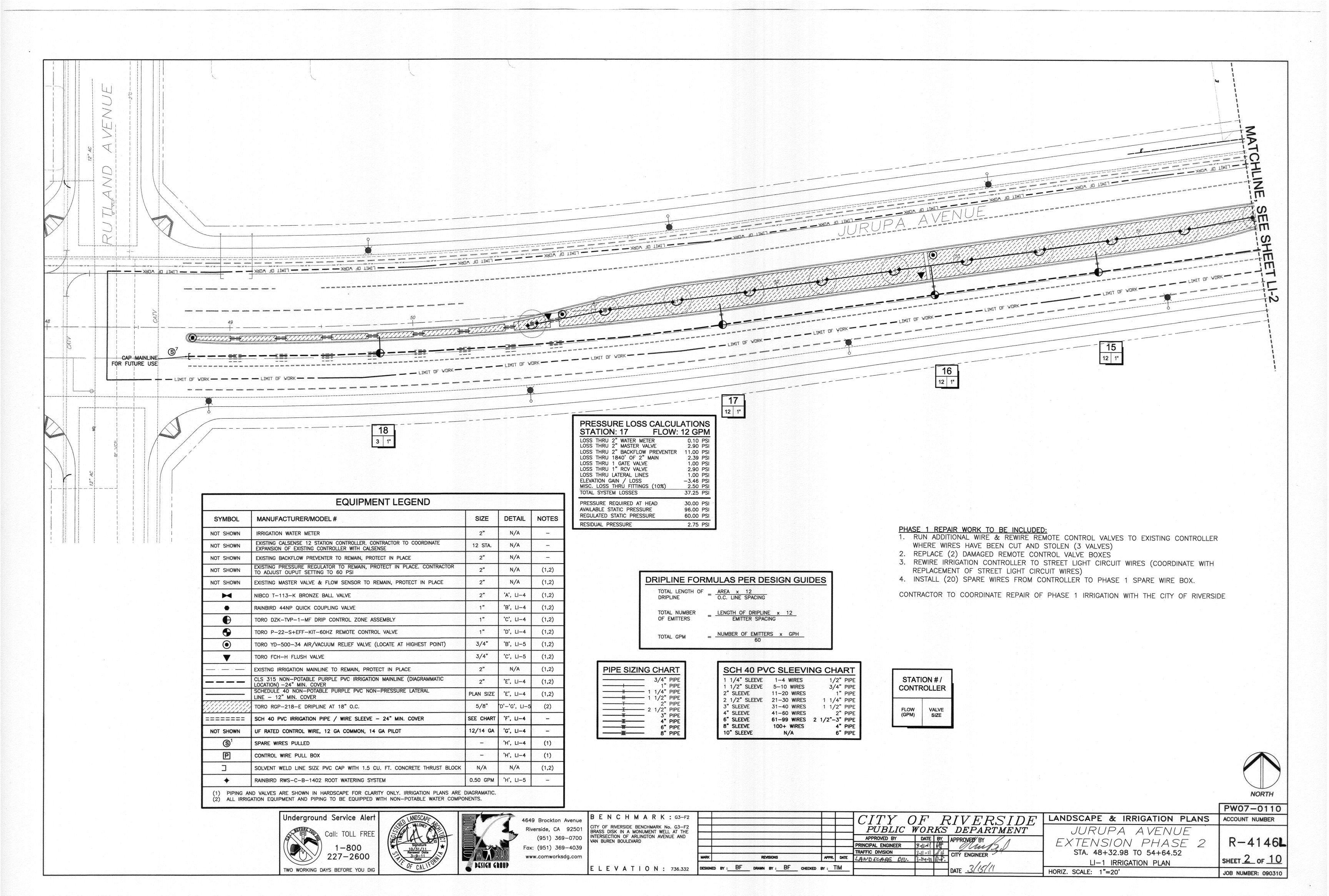


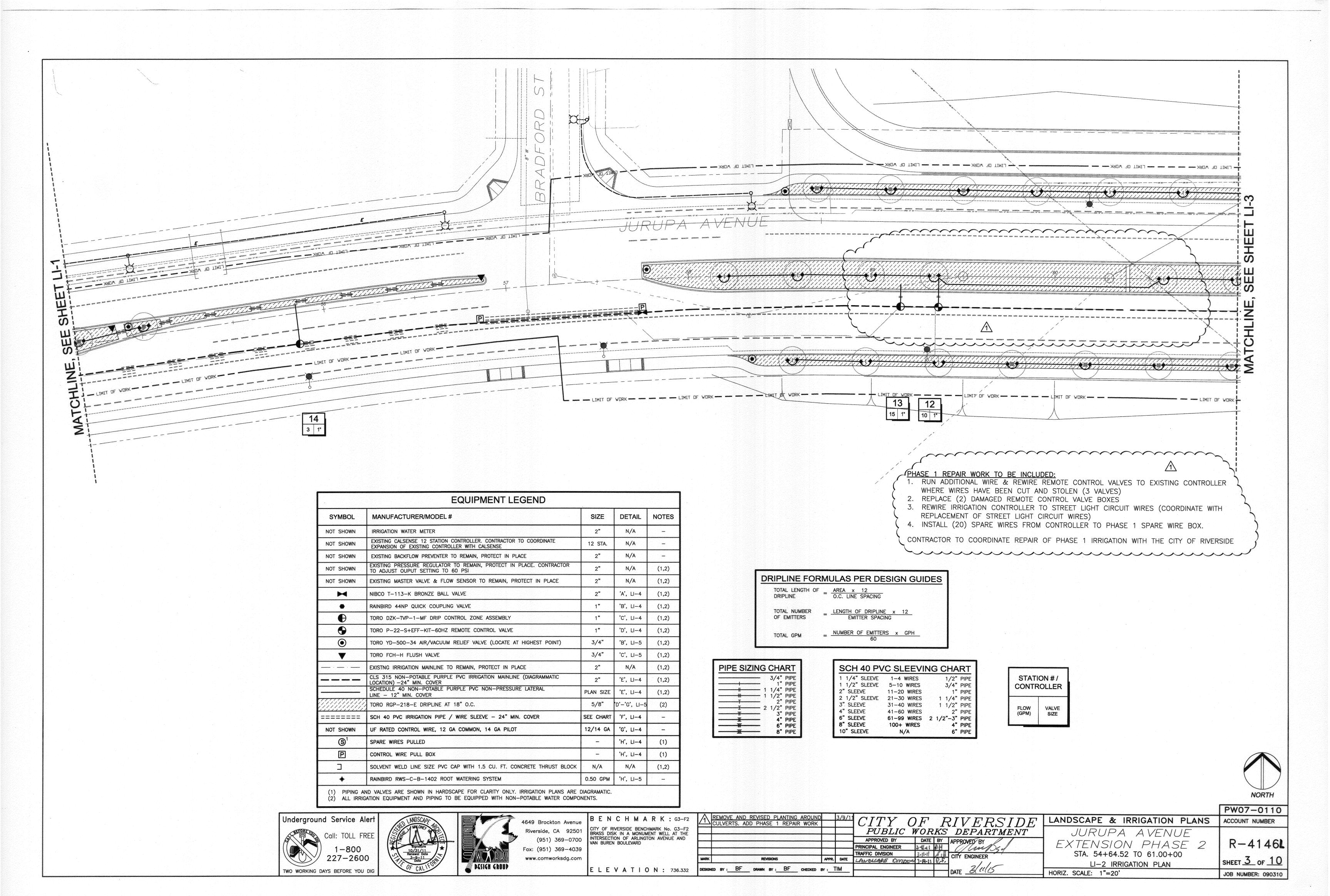
CITY OF RIVERSIDE BENCHMARK No. G3-F2 BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND www.comworksdg.com

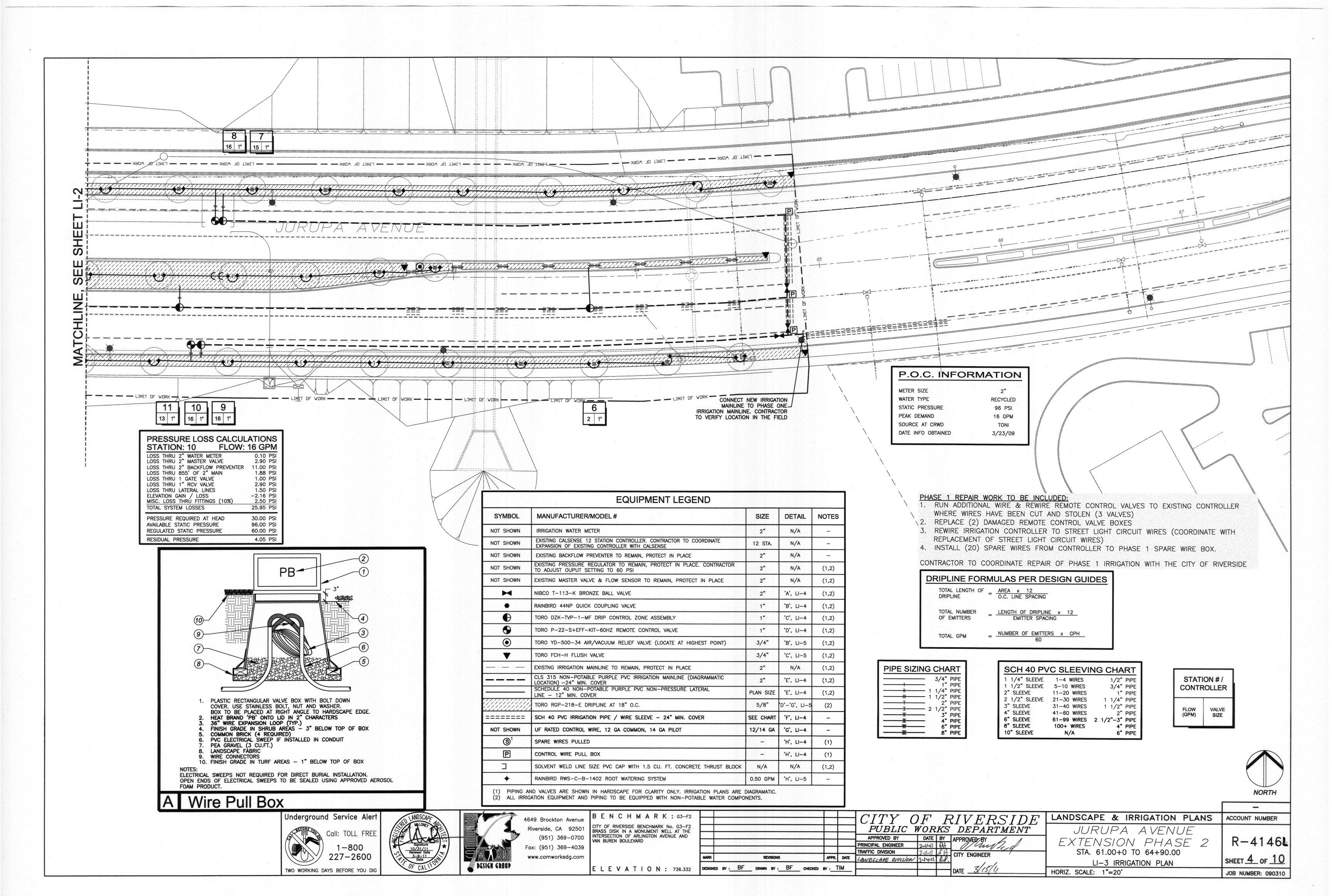
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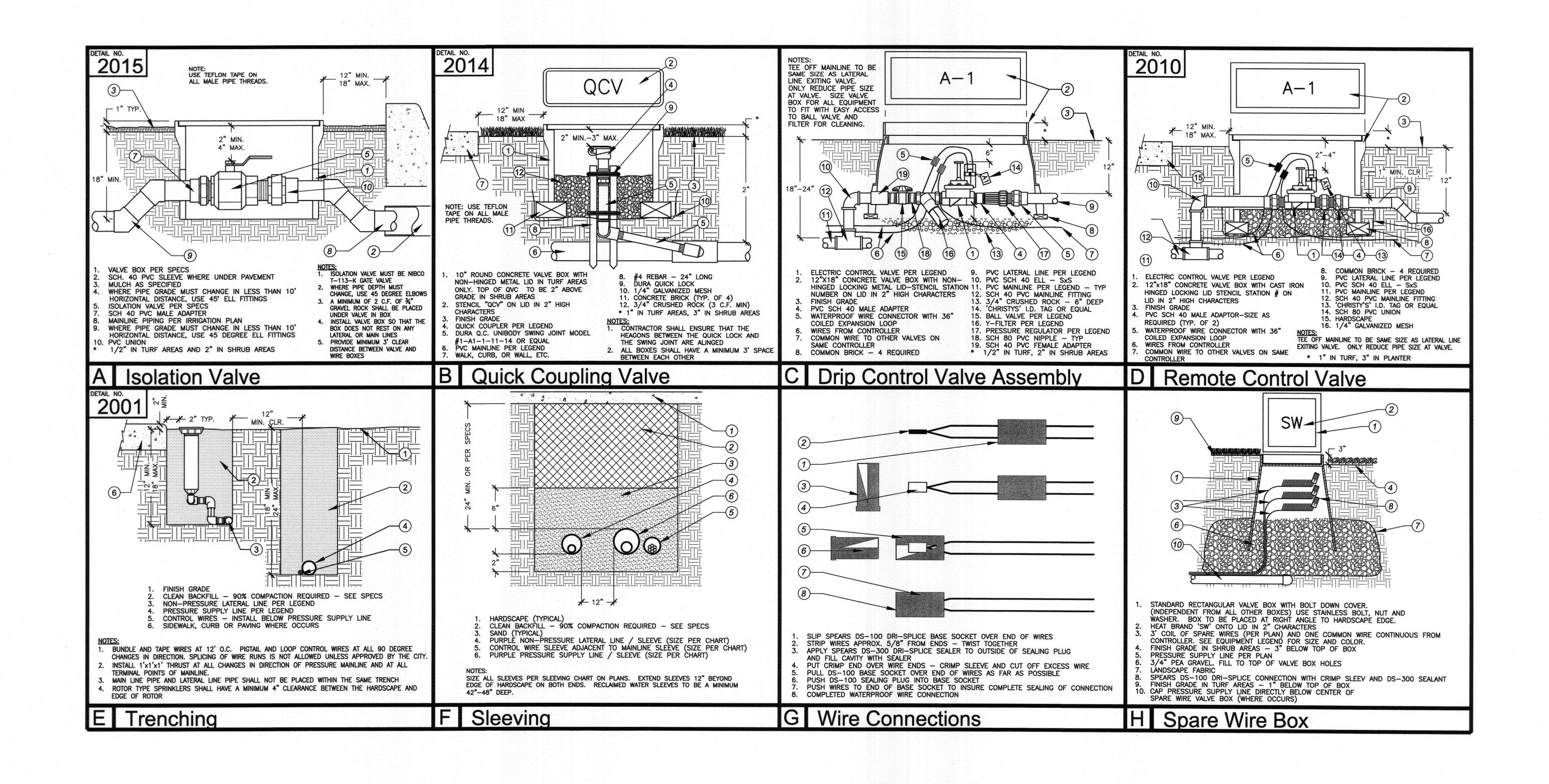
REMOVE AND REVISED PLANTING AROUND CULVERTS. ADD PHASE 1 REPAIR WORK RIVERSIDEPUBLIC WORKS DEPARTMENT DATE BY APPROVED BY PRINCIPAL ENGINEER

PW07-0110 LANDSCAPE & IRRIGATION PLANS ACCOUNT NUMBER JURUPA AVENUE EXTENSION PHASE 2 R-4146L STA. 48+32.98 TO 64+90.00 SHEET 1 OF 10 TITLE SHEET HORIZ. SCALE: 1"=40'-0" JOB NUMBER: 090310



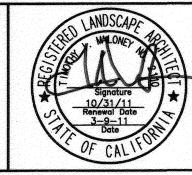


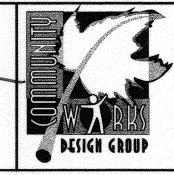






TWO WORKING DAYS BEFORE YOU





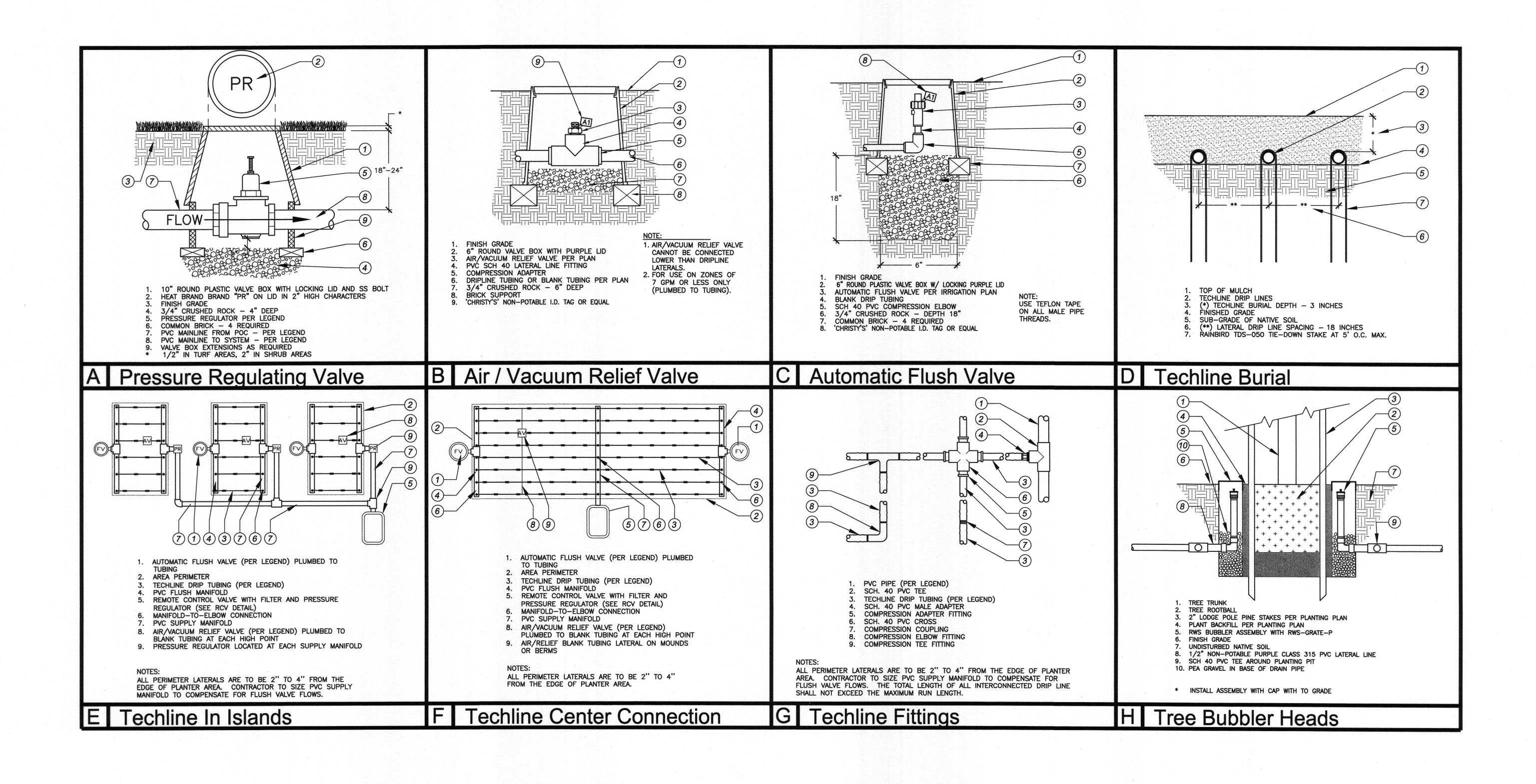
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BENCHMARK No. G3-F2
BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND VAN BUREN BOULEVARD

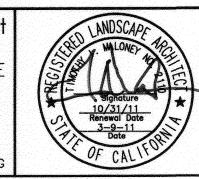
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4649 Brockton Avenue Fax: (951) 369-4039 www.comworksdg.com E L E V A T I O N : 736.332

BENCHMARK: G3-F2 Riverside, CA 92501 CITY OF RIVERSIDE BENCHMARK No. G3-F2 BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND VAN BUREN POUr DIABO VAN BUREN BOULEVARD

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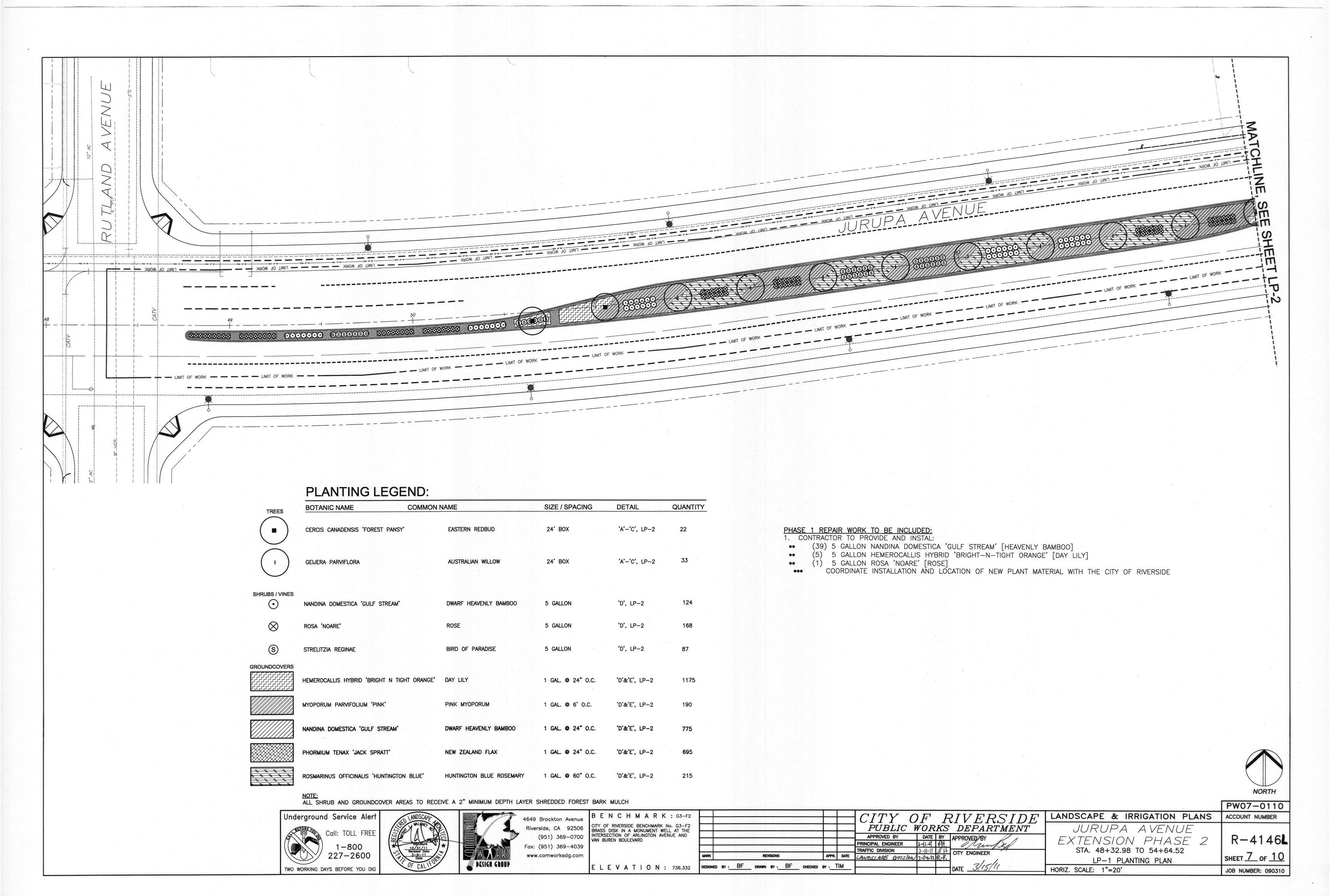
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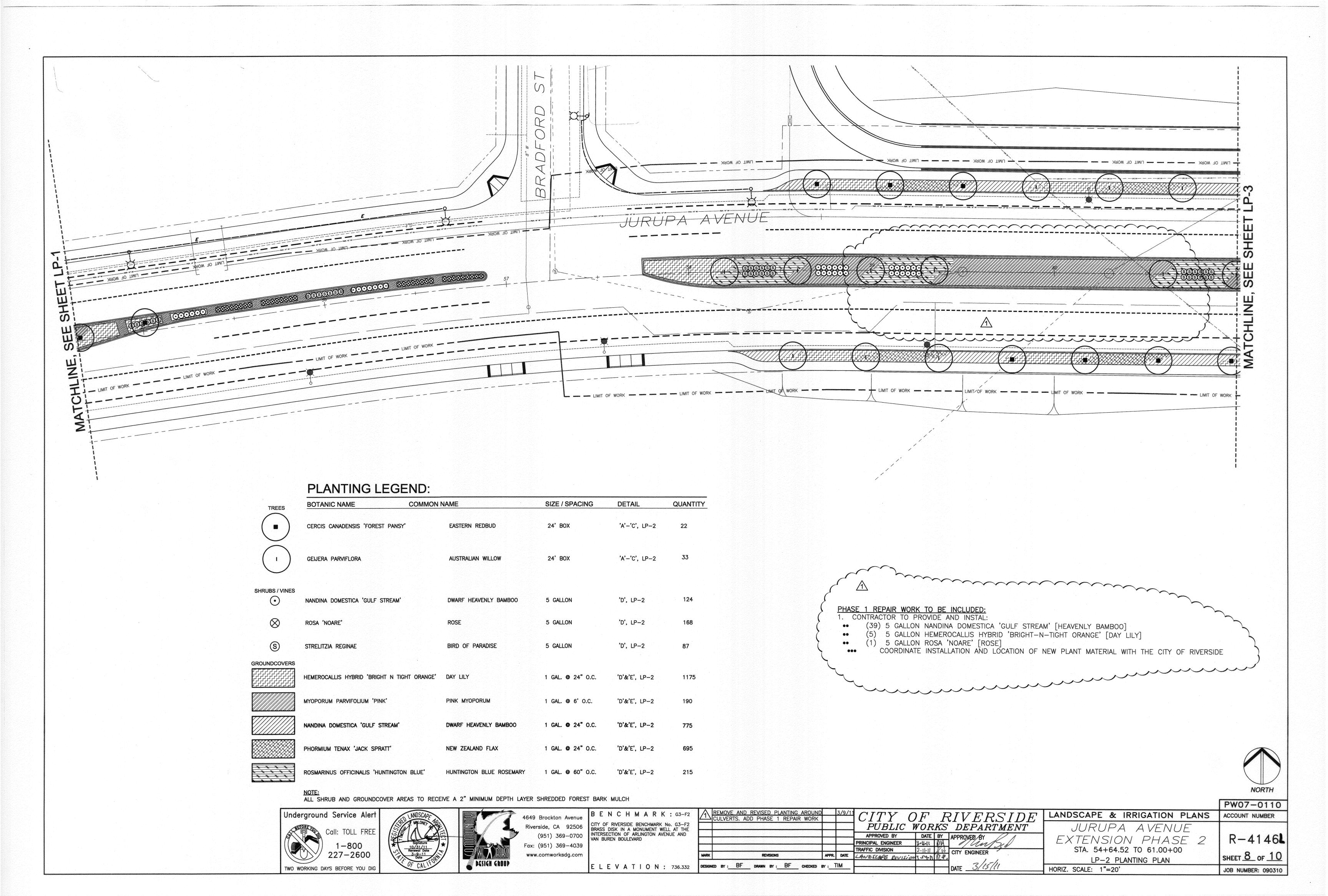
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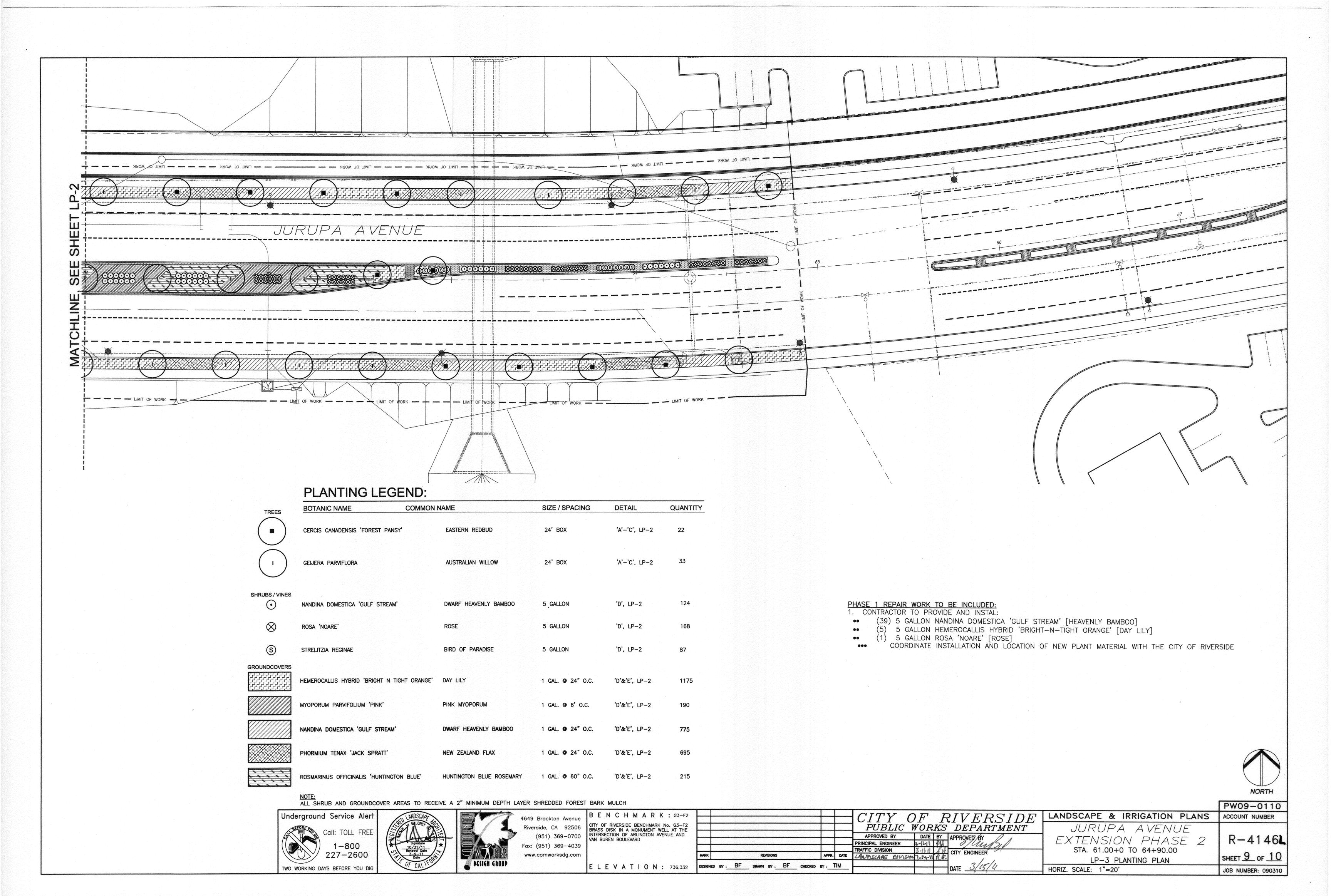
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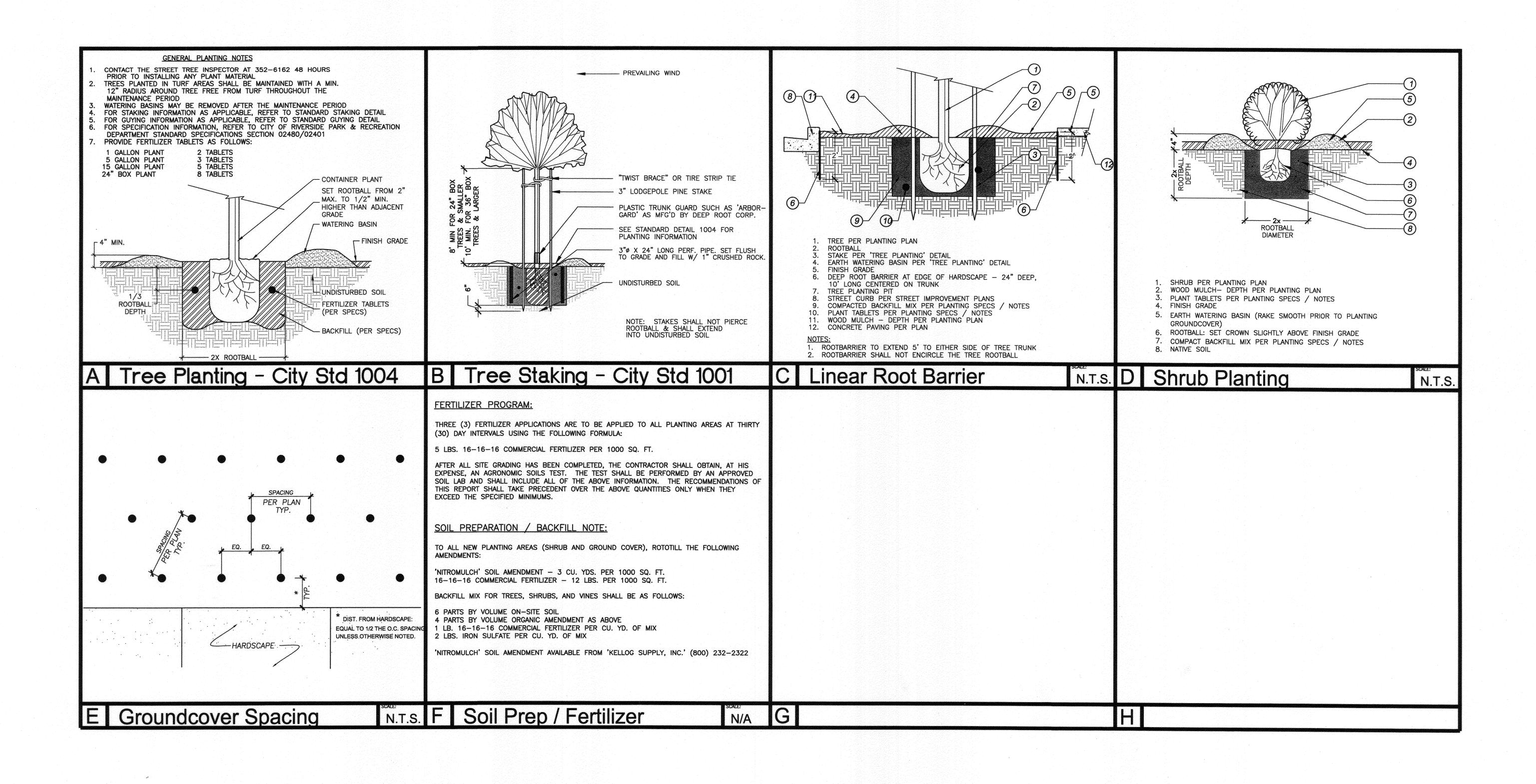
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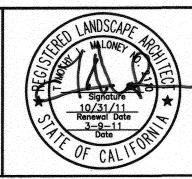








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BENCHMARK: G3-F2		
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LANDSCAPE & IRRIGATION PLANS	ACCOUNT NUMBER
JURUPA AVENUE EXTENSION PHASE 2 STA. 48+32.98 TO 64+90.00 LP-4 PLANTING DETAILS	R-4146
HORIZ. SCALE: N.T.S.	JOB NUMBER: 090310