

PROJECT 3019
Reviving the Heart of Pittsburg Pride
ADDENDUM NO. 1

This addendum consists of ten (10) pages amending the Contract Documents. All prospective bidders for the above-referenced project are to be aware that the following changes, additions and/or clarifications shall be included as an integral part of the Contract Documents for the above-referenced project, and that they are bounded by all conditions set forth therein.

ALL PROSPECTIVE BIDDERS are hereby notified that changes to the bidding documents for Project 3019; Reviving the Heart of Pittsburg Pride are to be made as described hereinafter.

ITEM 1 – BID ITEM 8 QUANTITY ADJUSTMENT

Bid item 8, “*Tree Removal*” on the bid schedule has been updated. The new quantity of trees removed shall be 21. See attached updated Bid Schedule.

ITEM 2 – BID ITEM 26 QUANTITY ADJUSTMENT

Bid item 26, “*Shrub – 1 Gal*” on the bid schedule has been updated. The new quantity of Shrubs – 1 Gal shall be 1,132. See attached updated Bid Schedule.

ITEM 3 – BID ITEM 27 QUANTITY ADJUSTMENT

Bid item 27, “*Shrub – 5 Gal*” on the bid schedule has been updated. The new quantity of Shrubs – 5 Gal shall be 67. See attached updated Bid Schedule.

ITEM 4 – BID ITEM 41 UNIT MEASUREMENT

Bid item 41, “*Irrigation Remote Control Valves*” unit of measurement on the bid schedule has been updated to EA. See attached updated Bid Schedule.

ITEM 5 – BID ITEM 44 UNIT MEASUREMENT

Bid item 41, “*Irrigation Drip Zone Valve Kits*” unit of measurement on the bid schedule has been updated to EA. See attached updated Bid Schedule.

ITEM 6 – DRAWING REVISION: SHEETS L1.1, L3.2, L3.7, & L5.21

See revised Sheets L1.1, L3.2, L3.7 & L5.21 as shown in Attachment 1.

ITEM 7 – CLARIFICATIONS

Clarification to advise that a water barrier is not required per specification Section 32 90 00-3.2G to be placed within the medians.

Clarification to advise that the irrigation water meters are served by potable water.

Clarification to advise that the PVC conduit and low voltage wire replacement shall be as indicated on the irrigation plans. Existing stations available at controller “A” are unknown, but not required as all of the existing valves at the non-irrigation slope areas will not require new wire replacement.

Clarification to advise that the original irrigation drawings for Railroad Ave will be made available to the selected contractor. The drawings do not reflect As-Built irrigation conditions and may not be accurate.

Clarification to advise that detail 3/L5.2, Geocell on Slope will be utilized for all gravel areas along Railroad Ave as shown on Detail 4/L5.2. Existing grades and contours are shown on sheets C2.1-C2.4.

BID OPENING DATE– The bid opening date of July 28, 2023, at 2:00 PM will change with this addendum. The bid opening will be on **July 31, 2023, at 2:00PM** at 65 Civic Avenue, Pittsburg, CA.

BIDDERS MUST SIGN AND ATTACH one (1) copy of this addendum document to the proposal as acknowledgment of receipt of these instructions and that said addendum was properly evaluated in the proposal.

ANY PROPOSAL NOT IN COMPLIANCE WITH THIS ADDENDUM MAY BE REJECTED.

Issued: 7/21/23



DAYNE JOHNSON
ASSISTANT CITY ENGINEER

LAYOUT SCHEDULE

PAVING, AND WALL

KEY	DESCRIPTION	DETAIL/SHEET	SIZE (LXWXH)	COLOR	FINISH	MFG/SUPPLIER	CONTACT
	CONCRETE PAVING A - PEDESTRIAN CONCRETE PAVING	1/L5.3	SCORE/EJ'S PER PLAN	STANDARD GREY	MEDIUM BROOM	-	-
	CONCRETE PAVING B - VEHICULAR CONCRETE PAVING	S.C.D.	SCORE/EJ'S PER PLAN	STANDARD GREY	MEDIUM BROOM	-	-
	CONCRETE TOPPING SYSTEM	1/L5.4	SEE DETAIL	MICRO-TOP XT COLORS PER DETAIL	MEDIUM TEXTURE PER MFR	BOMANITE	(303)369-1115
	BRICK PAVERS	3/L5.3	8X4X2-1/4"	35%-#30 CLEAR RED RUSTIC 35%-#32 ANTIQUE 15%-#33 DARK ANTIQUE 15%-#36 RED SUNSET	-	-	-
	GEOCELL ON SLOPE	3/L5.2	3" SLOPE GRID CELL DEPTH	-	-	CELL-TEK	(410)721-4844
	CONCRETE MOWBAND	2/L5.3	SCORE/EJ'S PER PLAN	STANDARD GREY	MEDIUM BROOM	-	-
	RAISED METAL EDGING	4,5/L5.3	PER DETAIL	TBD	PER DETAIL	-	-
	PRECAST CONCRETE WALL	2/L5.4	162'LF X 6'H	TBD	PORTOLA AND MEDITERRANEAN STYLE	SIERRA WALL/OLDCASTLE INFRASTRUCTURE	(888)965-3227

NOTE:

- CONTRACTOR SHALL PROVIDE MOCK-UPS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION PER SPECS

SITE FURNISHING

KEY	DESCRIPTION	DETAIL/SHEET	MODEL	COLOR	FINISH	MFG/SUPPLIER	CONTACT
	BENCH A	3/L5.5	WS912	PEWTER	ACID WASH	WAUSAUTILE	800-388-8728
	BENCH B	4/L5.5	ZB.BO.01	PEWTER	ACID WASH	WAUSAUTILE	800-388-8728
	BENCH C	5/L5.5	ZB.KN.01	PEWTER	ACID WASH	WAUSAUTILE	800-388-8728
	BIKE RACK	3/L5.6	TRIO BIKE RACK	ALUMINUM TEXTURE	POWDERCOAT	FORMS+SURFACES	800-451-0410
	BOULDER	2/L5.2	PER DETAIL	-	-	PARSONS WALLS OR APPROVED EQUAL	916-773-9766
	FIXED BOLLARD	1/L5.5	R-7902	TITANIUM	-	RELIANCE FOUNDRY	877-789-3245
	REMOVABLE BOLLARD	2/L5.5	R-790X	TITANIUM	-	RELIANCE FOUNDRY	877-789-3245
	GATEWAY MONUMENT	1/L5.10	-	-	-	-	-
	PARK SIGN	1/L5.20	CUSTOM	PEWTER	ACID WASH	-	-
	TRASH RECEPTACLES	1,2/L5.6	PRX316T W/ TRASH AND RECYCLING DECALS	TITANIUM	-	MMCITE	MMCITE.COM

NOTES:

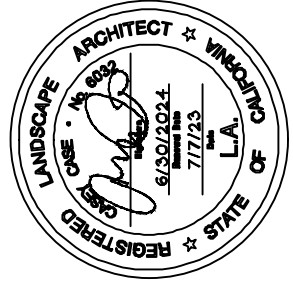
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION PER SPECS
- INSTALL PER MFR'S SPECS AND DETAILS

GENERAL ITEMS

	EXPANSION JOINT LOCATE AS SHOWN, AT ALL JOINTS BETWEEN PAVING & WALLS, AND AT ALL CHANGES IN PAVING MATERIAL.
	SCORELINE
	CENTER LINE
	ALIGN/ FLUSH
	POINT OF BEGINNING
	LIMIT OF WORK (L.O.W.)
	NEW LIGHT POLE, S.E.D.
	PLANTING AREA

LAYOUT NOTES

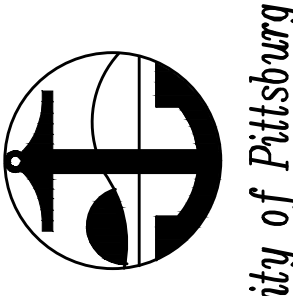
- ALL WRITTEN DIMENSIONS SUPERSEDE ALL SCALED DISTANCES AND DIMENSIONS. DIMENSIONS SHOWN ARE FROM THE FACE OF THE BUILDING, WALL, BACK OF CURB, EDGE OF WALK, PROPERTY LINE, OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL DIMENSIONS AT BUILDING ARE TO FACE OF BUILDING. ALL DIMENSIONS AT ROADWAY ARE TO FACE OF CURB.
- ALL ANGLES ARE 45 DEGREE, 90 DEGREE, OR 135 DEGREE UNLESS OTHERWISE NOTED.
- ALL CURVES AND ALL TRANSITIONS BETWEEN CURVES AND STRAIGHT EDGES SHALL BE SMOOTH.
- ALL RETURN RADII AND CURB DATA ARE TO FACE OF CURB.
- SCORE LINES IN SIDEWALKS SHALL BE SPACED TO EQUAL THE WIDTH OF THE WALKWAY, UNLESS OTHERWISE SHOWN. EXPANSION JOINTS IN SIDEWALKS ARE SHOWN IN THE LANDSCAPE PLAN, WHICH SHALL BE 20' ON CENTER MAXIMUM.
- BUILDING LAYOUT AND LOCATION, SIDEWALK, CURB AND GUTTER, GRADING AND DRAINAGE IS BASED ON DRAWINGS PREPARED BY THE CIVIL ENGINEER.
- STATIONING HEREON IS ALONG CONSTRUCTION CENTERLINE UNLESS OTHERWISE SHOWN OR INDICATED.
- ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO THE CONTRACTOR ON A TIME AND EXPENSES BASIS AND PAID FOR BY THE CONTRACTOR.
- SEE IRRIGATION DRAWINGS FOR GENERAL SYSTEM REQUIREMENTS AND FOR LOCATION OF IRRIGATION MAINLINE PIPING. SLEEVES TO ACCOMMODATE IRRIGATION PIPING, SIZED AS NEEDED, SHALL BE IN PLACE UNDER AND THROUGH SLABS AND WALLS, PRIOR TO POURING.
- PROVIDE CONTINUOUS HEADERS AT THE EDGES OF ALL AC PAVING, SHRUB AREAS, LAWN AREAS, DECOMPOSED GRANITE WHERE IT IS NOT CONSTRAINED BY CONCRETE PAVING OR MOW BAND.
- ALL CONCRETE PAVEMENTS SHALL BE DOWELED INTO CURBS AND BUILDING FOUNDATIONS.
- ANY AND ALL WORK WITHIN CITY'S RIGHT OF WAY SHALL CONFORM TO ALL CITY STANDARD DETAILS AND SPECIFICATIONS.
- CONCRETE FOOTINGS INSTALLED FOR ALL SITE FURNISHINGS, BOLLARDS, FENCING, LIGHTS, ETC. IN DECORATIVE PAVEMENT, ASPHALT PAVING, CONCRETE PAVING, AND PLANTERS SHALL BE HELD BELOW GRADE.
- ALL EXISTING ITEMS TO REMAIN SHALL BE PROTECTED AS REQUIRED. ANY DAMAGED ITEMS SHALL BE FULLY REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE FULL SATISFACTION OF THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH OPERATIONS.
- ALL LINEAR QUANTITIES AND THEIR PAY ITEMS WILL BE BASED ON HORIZONTAL MEASUREMENTS.
- ALL PATTERNS, LINE TYPES, AND SYMBOLS SHOWN WITHIN THE PLAN SET REFERENCE THE LAYOUT LEGEND AND ARE PART OF THE SCOPE OF WORK. CALLOUTS ARE SHOWN FOR CLARIFICATION OF WORK, BUT DO NOT INDICATE EVERY AND ALL INSTANCES OF SUCH WORK. THE CONTRACTOR SHALL REQUEST CLARIFICATION TO ANY ITEMS (INCLUDING BUT NOT LIMITED TO PAVING, WALLS, FINISHES, COLORS, FENCING, AND SITE FURNITURE) NOT CLEARLY IDENTIFIED TO BE PART OF THE SCOPE OF WORK PRIOR TO BID.
- SEE CIVIL ENGINEER'S PLANS FOR INFORMATION ON SITE DEMOLITION, GRADING, UTILITIES, AND DRAINAGE.



GATES + ASSOCIATES
 LANDSCAPE ARCHITECTURE
 LAND PLANNING - URBAN DESIGN
 1000 MARSH FURNACE WALKWAY, CHESAPEAKE, VA
 TEL: 757.734.8174 WWW.GATESVA.COM



ACCEPTED FOR USE:
 JOHN SAMUELSON
 Public Works Director
 City Engineer
 Date: _____



City of Pittsburg

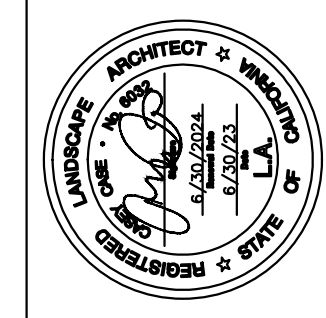
REVIVING THE HEART OF PITTSBURG PRIDE
 LAYOUT NOTES AND LEGEND

BY:	DRAWN: TZ
DESCRIPTION:	CHECKED: CG
DATE:	REVIEWED: CG, TZ
REV:	DATE: 7/7/23
	SCALE: AS SHOWN

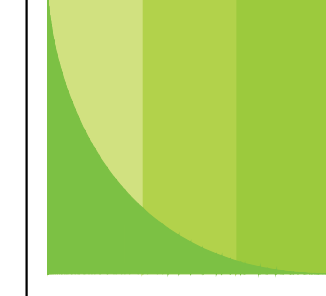
DATE	REV	DESCRIPTION

SHEET NO.
58 OF 101

DWG. NO.
L11



GATES + ASSOCIATES
 LANDSCAPE ARCHITECTURE
 LAND PLANNING - URBAN DESIGN
 1000 MARSH CREEK VALLEY CENTER DRIVE
 PITTSBURGH, PA 15201
 T 412.734.8174 www.gates.com



ACCEPTED FOR USE:
JOHN SAMUELSON
 Public Works Director
 City Engineer
 Date: _____

City of Pittsburgh

REVIVING THE HEART OF PITTSBURGH PRIDE
 IRRIGATION PLAN

BY	DRAWN:DM
CHECKED:JB	
REVIEWED:JB, CM	
DATE:	7/7/23
SCALE:	AS SHOWN

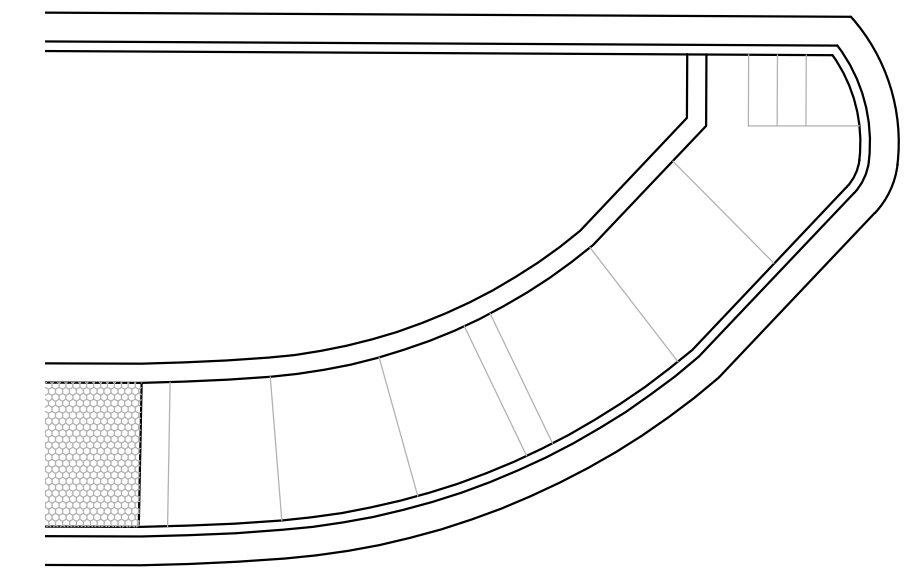
DATE	REV	DESCRIPTION

SHEET NO.
74 OF 101

DWG. NO.
L3.2

MATCHLINE - SEE SHEET L3.2A

MATCHLINE - SEE SHEET L3.3



NOTES:

- EXISTING IRRIGATION SHOWN IS FOR REFERENCE ONLY TAKEN FROM IRRIGATION AS-BUILD PLANS FOR THE SITE. THE EXACT ROUTING OF MAIN LINE, WIRES, REMOTE CONTROL VALVES AND AREAS VALVES SHOULD BE INVESTIGATE PRIOR TO CONSTRUCTION. CONTRACTOR WILL NEED TO FIELD VERIFY THE LOCATION OF ALL EXISTING IRRIGATION EQUIPMENT AND IN WORKING CONDITION BEFORE ANY WORK IS STARTED AND NOTIFY THE LANDSCAPE ARCHITECT IF THERE IS ANY PROBLEMS.
- CONTRACTOR IS RESPONSIBLE TO KEEP ALL EXISTING PLANTING AREAS (TO REMAIN) WITH WATER AT ALL TIMES DURING CONSTRUCTION. THIS SHALL INCLUDE PROVIDING TEMPORARY WATER SOURCE AND TEMPORARY IRRIGATION CONTROLLER WITH POWER IF NEEDED TO OPERATE THE SYSTEM DURING CONSTRUCTION.

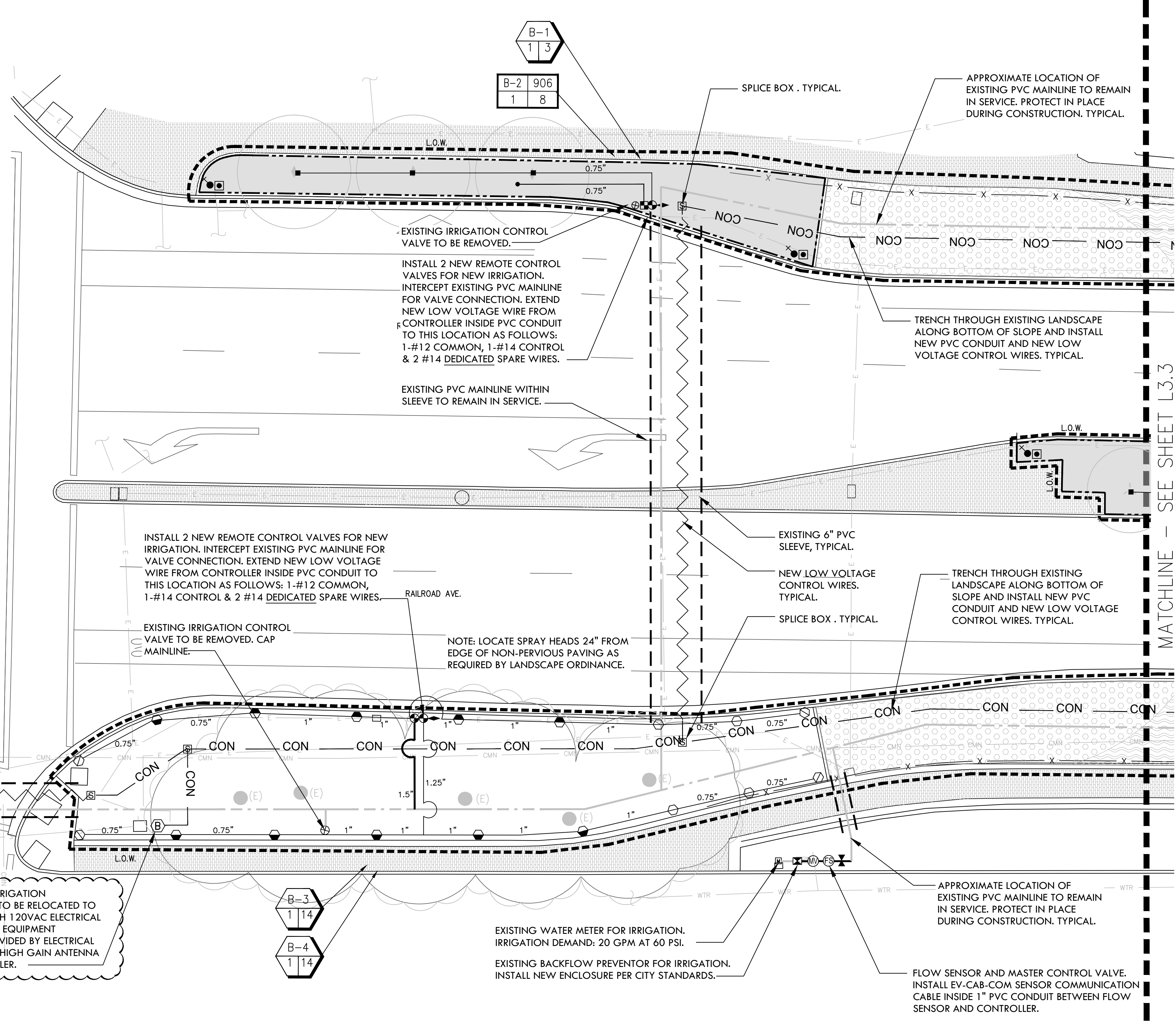
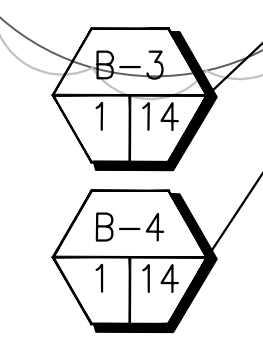
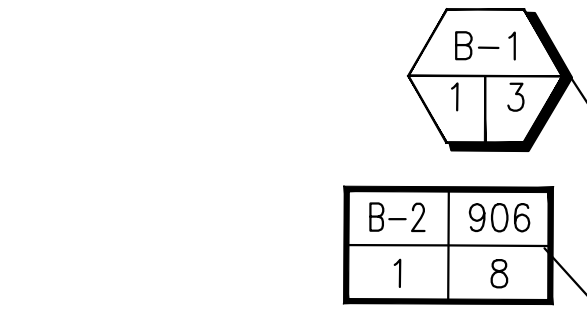
NOTES:

- ONE BUBBLER SYMBOL IS SHOWN AT TREES FOR GRAPHIC CLARITY ONLY. INSTALL MINIMUM TWO BUBBLERS AT EACH TREE. INSTALL REQUIRED NUMBER OF BUBBLERS AS DETAILED.
- IRRIGATION EQUIPMENT MAY BE SHOWN WITHIN HARDSCAPE FOR GRAPHIC CLARITY ONLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN PLANTED AREAS. IRRIGATION PIPE AND WIRE CROSSING BENEATH HARDSCAPE SURFACES SHALL BE CONTAINED WITHIN SLEEVING OR SCHEDULE 40 PVC CONDUIT. SLEEVING SIZE SHALL BE A MINIMUM OF TWO TIMES THE AGGREGATE DIAMETER OF ALL PIPES CONTAINED WITH SLEEVE. PROVIDE VERTICAL SWEEP FOR ALL ELECTRICAL CONDUIT ON EACH SIDE OF HARDSCAPE AND TERMINATE ENDS AT 12" MINIMUM DEPTH AND 12" FROM HARDSCAPE SURFACE.
- UNSIZE LATERAL LINE PIPING LOCATED DOWN STREAM OF 1" PIPING SHALL BE 3/4" IN SIZE (TYPICAL).
- SIZING OF LATERAL PIPE SHALL BE AS FOLLOWS:

0.75"	0-6 GPM
1"	7-12 GPM
1.25"	13-20 GPM
- SIZING OF LATERAL PIPE FOR DRIPLINE (12" O.C. GRID WITH 0.6 GPH OR LESS EMITTERS) SHALL BE AS FOLLOWS:

0.75"	0-500 FT
1"	501-1100 FT
1.25"	1101-2000 FT

CENTRAL AVE.



APPROXIMATE LOCATION OF EXISTING PVC MAINLINE TO REMAIN IN SERVICE. PROTECT IN PLACE DURING CONSTRUCTION. TYPICAL.

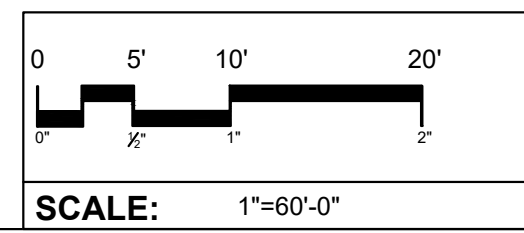
EXISTING RAINMASTER DX2 IRRIGATION CONTROLLER AND PEDESTAL TO BE RELOCATED TO THIS LOCATION. SERVICE WITH 120VAC ELECTRICAL FROM EXISTING STREET LIGHT EQUIPMENT ELECTRICAL METER TO BE PROVIDED BY ELECTRICAL CONTRACTOR. INSTALL NEW HIGH GAIN ANTENNA AND CONNECT TO CONTROLLER.

EXISTING WATER METER FOR IRRIGATION. IRRIGATION DEMAND: 20 GPM AT 60 PSI.
 EXISTING BACKFLOW PREVENTOR FOR IRRIGATION. INSTALL NEW ENCLOSURE PER CITY STANDARDS.

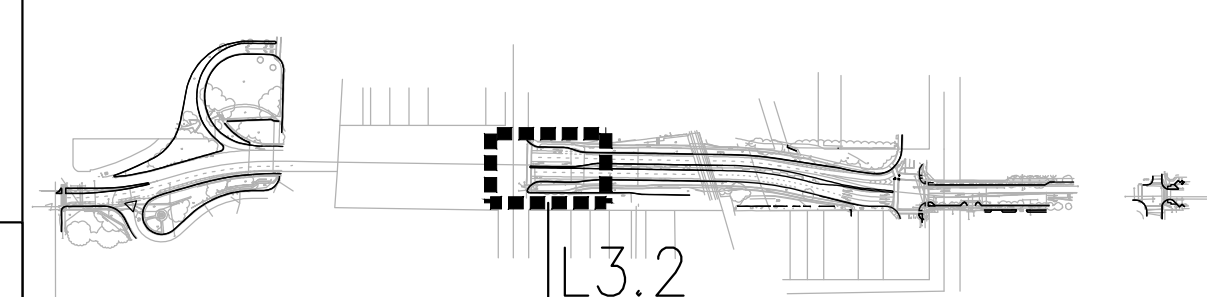
APPROXIMATE LOCATION OF EXISTING PVC MAINLINE TO REMAIN IN SERVICE. PROTECT IN PLACE DURING CONSTRUCTION. TYPICAL.

FLOW SENSOR AND MASTER CONTROL VALVE. INSTALL EV-CAB-COM SENSOR COMMUNICATION CABLE INSIDE 1" PVC CONDUIT BETWEEN FLOW SENSOR AND CONTROLLER.

Irrigation Consultant:
Russell D. Mitchell Associates, Inc.
 2760 Camino Diablo
 Walnut Creek, CA 94597
 tel 925.939.3985 ♦ fax 925.932.5671
 www.rmairrigation.com



KEY MAP



IRRIGATION NOTES

- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE; THE UNIFORM PLUMBING CODE, PUBLISHED BY THE WESTERN PLUMBING OFFICIALS ASSOCIATION; AND OTHER STATE OR LOCAL LAWS OR REGULATIONS. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR REGULATIONS. THE CONTRACTOR SHALL FURNISH WITHOUT ANY EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR WHEN REQUIRED BY THE COMPLIANCE WITH THESE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LAYOUT AND INSTALLATION OF THE PLANT MATERIALS TO INSURE THAT THERE WILL BE COMPLETE AND UNIFORM IRRIGATION COVERAGE OF PLANTING IN ACCORDANCE WITH THESE DRAWINGS, AND CONTRACT DOCUMENTS. THE IRRIGATION LAYOUT SHALL BE CHECKED BY THE CONTRACTOR AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION TO DETERMINE IF ANY CHANGES, DELETIONS, OR ADDITIONS ARE REQUIRED. IRRIGATION SYSTEM SHALL BE INSTALLED AND TESTED PRIOR TO INSTALLATION OF PLANT MATERIAL.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.
- IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS, SLOPES, SUN, SHADE AND WIND EXPOSURE.
- IT IS THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT A.C. (2.5 AMP DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO THE CONTROLLER LOCATION(S). IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE THE ELECTRICAL SERVICE SUB-OUT TO THE CONTROLLER(S). PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH LOCAL CODES.
- PROVIDE EACH CONTROLLER WITH ITS OWN GROUND ROD. SEPARATE THE GROUND RODS BY A MINIMUM OF EIGHT FEET. THE GROUND ROD SHALL BE AN EIGHT FOOT LONG BY 5/8" DIAMETER U.L. APPROVED COPPER CLAD ROD. INSTALL NO MORE THAN 6" OF THE GROUND ROD ABOVE FINISH GRADE. CONNECT #6 GAUGE WIRE WITH A U.L. APPROVED GROUND ROD CLAMP TO ROD AND BACK TO GROUND SCREW AT BASE OF CONTROLLER WITH APPROPRIATE CONNECTOR. MAKE THIS WIRE AS SHORT AS POSSIBLE, AVOIDING KINKS OR BENDING.
- SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION CONTROLLER MANUFACTURER, THE MAINTENANCE CONTRACTOR, THE OWNER AND THE IRRIGATION CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING AND OPERATION OF THE IRRIGATION CONTROLLER.
- INSTALL 3" DETECTABLE TAPE ABOVE ALL PRESSURIZED MAIN LINES AS DETAILED. USE CHRISTY #TA-DT-3-BIRR FOR POTABLE IRRIGATION SYSTEMS.
- PROVIDE EACH IRRIGATION CONTROLLER WITH ITS OWN INDEPENDENT LOW VOLTAGE COMMON GROUND WIRE.
- IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. COMMON GROUND WIRE: SIZE #12-1 WIRE WITH A WHITE INSULATING JACKET. CONTROL WIRE SERVICING REMOTE CONTROL VALVES: SIZE #14-1 WIRE WITH INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICES SHALL BE MADE WITH 3M-DBY SEAL PACKS OR APPROVED EQUAL.
- INSTALL TWO SPARE CONTROL WIRES OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
- SPLICING OF LOW VOLTAGE WIRES IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 36" LONG, 1" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRES TOGETHER EVERY TEN FEET. DO NOT TAPE WIRES TOGETHER WHERE CONTAINED WITHIN SLEEVE.
- INSTALL GREEN PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION CONTROL VALVE". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURERS INCLUDE NDS, CARSON OR APPROVED EQUAL.

- INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB, BUILDING OR LANDSCAPE FEATURE.
- VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS (AVOID LAWN AREAS WHERE POSSIBLE).
- THE CONTRACTOR SHALL LABEL CONTROL LINE WIRE AT EACH REMOTE CONTROL VALVE WITH A 2 1/4" X 2 3/4" POLYURETHANE I.D. TAG, INDICATING IDENTIFICATION NUMBER OF VALVE (CONTROLLER AND STATION NUMBER). ATTACH LABEL TO CONTROL WIRE. THE CONTRACTOR SHALL PERMANENTLY STAMP ALL VALVE BOX LIDS WITH APPROPRIATE IDENTIFICATION AS NOTED IN CONSTRUCTION DETAILS.
- FLUSH AND ADJUST IRRIGATION OUTLETS AND NOZZLES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. SELECT THE BEST DEGREE OF THE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CONTROL ZONE.
- LOCATE BUBBLERS ON UPHILL SIDE OF PLANT OR TREE.
- INSTALL A HUNTER HCV SERIES, KBI CV SERIES, OR APPROVED EQUAL SPRING LOADED CHECK VALVE IN SPRINKLER RISER ASSEMBLIES WHERE LOW OUTLET DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.
- WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.
- NOTIFY LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- IRRIGATION DEMAND: REFER TO PLANS.
- THE EXISTING MAIN LINE SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. VERIFY AND LOCATE EXISTING MAIN LINE IN FIELD. REPORT TO ARCHITECT IN WRITING ANY DEVIATION OF EXISTING MAIN LINE LOCATION FROM THAT SHOWN ON THE DRAWINGS.
- AT POINT OF CONNECTION AT EXISTING MAIN LINE FOR NEW REMOTE CONTROL VALVES OR QUICK COUPLING VALVES, INSTALL A SERVICE SADDLE WITH REQUIRED TAPPED OUTLET SIZE. ROMAC 202S, OR APPROVED EQUAL.

PVC CONDUIT SIZING CHART
14 AWG THWN WIRE INSIDE SCHEDULE 40 PVC CONDUIT

CONDUIT SIZE	MAXIMUM NUMBER OF CONDUCTORS
1" DIAMETER	10
1 1/4" DIAMETER	18
1 1/2" DIAMETER	25
2" DIAMETER	40
3" DIAMETER	80

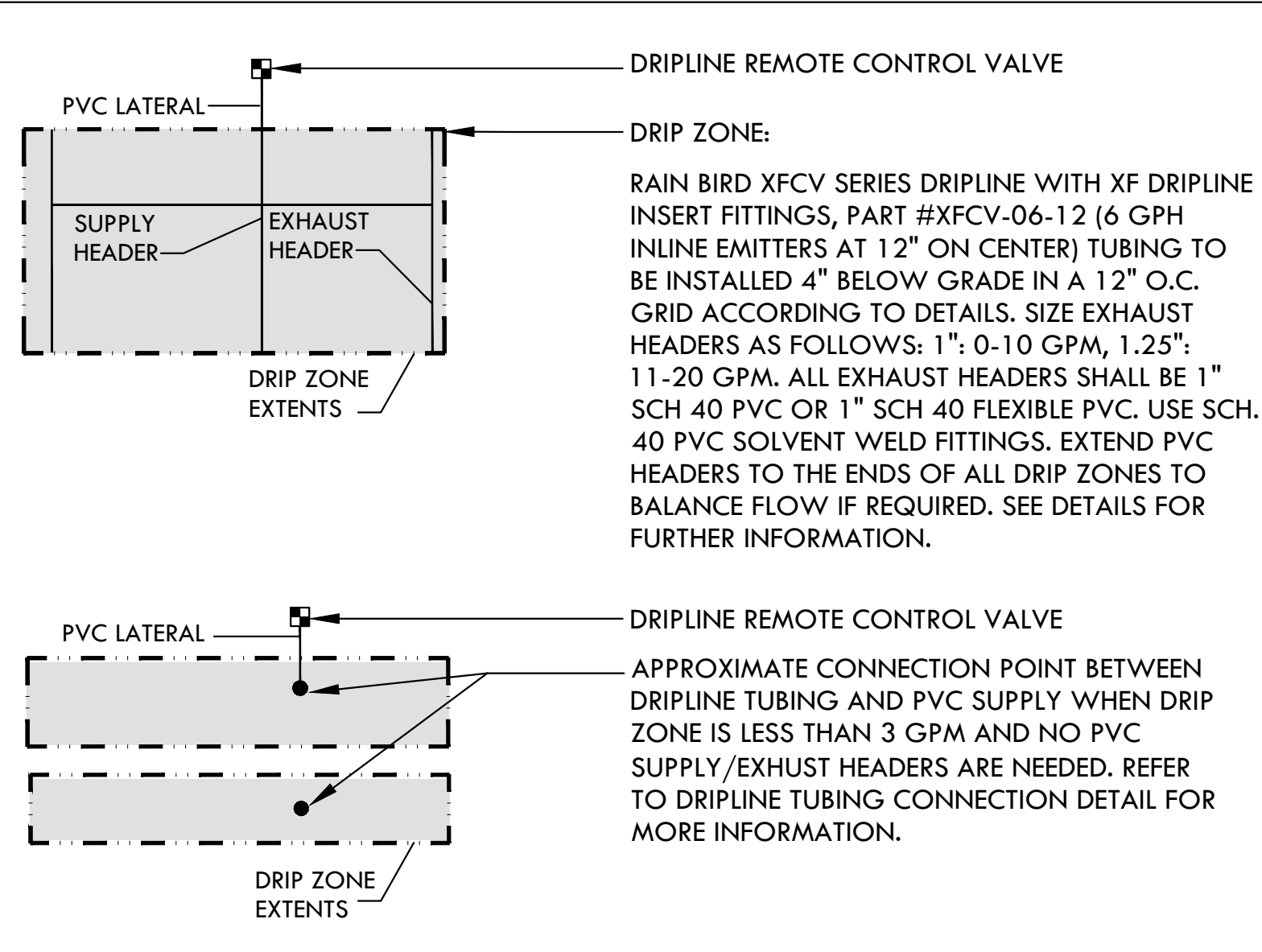
- AT POINTS OF CONNECTION BETWEEN EXISTING SOLVENT WELD MAIN LINE AND A NEW MAIN LINE BRANCH, USE THE FOLLOWING PROCEDURE:
 - REMOVE A PORTION OF EXISTING MAINLINE.
 - FABRICATE A TEE WITH TWO 12" SECTIONS OF PIPE ON EACH SIDE OF A SCH 80 TEE. USE A SCH 80 COUPLING ON ONE SIDE OF PIPE TO CONNECT NEW SECTION TO OLD. USE A ROMAC, HYMAX OR SMITH BLAIR REPAIR COUPLING WITHOUT A CENTER STOP ON OTHER SIDE OF TEE TO CONNECT EXISTING MAINLINE. NO SLIP FIXES ARE ALLOWED.
- PIPE SIZING SHOWN ON THE DRAWINGS IS TYPICAL. AS CHANGES IN LAYOUT OCCUR DURING STAKING AND CONSTRUCTION THE SIZE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS LIGHTS, FIRE HYDRANTS, SIGNS, ELECTRICAL ENCLOSURES, ETC.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES IN THE IRRIGATION LAYOUT AND VALVE ZONING DUE TO VARIATIONS IN THE EXISTING SITE CONDITIONS SUCH AS EXPOSURE FROM BUILDINGS, TRELLISES, TREES, ETC., AS WELL AS SLOPE AND SOIL CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF THE PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.
- WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FROM SITE.
- VERIFY LOCATIONS OF ALL IRRIGATION COMPONENTS INSTALLED WITHIN A VALVE BOX WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL UNTIL LANDSCAPE ARCHITECT PROVIDES ACCEPTABLE LOCATIONS.

STREETSCAPE IRRIGATION WIRE NOTES:

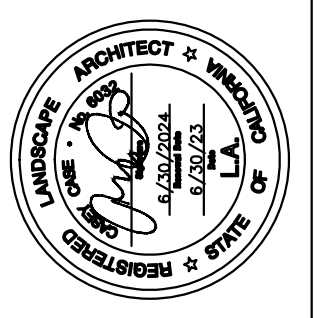
- ALL LOW VOLTAGE WIRES FOR EXISTING CONTROL VALVES SHALL BE REPLACED AS PART OF THIS CONTRACT. TRENCH THROUGH EXISTING LANDSCAPE AND INSTALL NEW LOW VOLTAGE WIRES FOR NEW AND EXISTING CONTROL VALVES WITHIN PVC CONDUIT. ROUTE WIRES BACK TO STREETSCAPE CONTROLLER "B" AND MAKE CONNECTIONS AS REQUIRED. REFER TO CITY PROVIDED IRRIGATION AS-BUILT PLANS FOR CONTROL VALVE LOCATIONS AND STATION NUMBERS.
- REMOVE EXISTING BATTERY POWERED CONTROLLERS AT EACH EXISTING CONTROL VALVE AND INSTALL NEW AC SOLENOIDS AS REQUIRED.

IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)
	1812-SAM-P45/ R-VAN24	RAIN BIRD POP-UP SPRAY SPRINKLER WITH ROTARY NOZZLE (SHRUB/GC)	1.68	45	16-24
	1402	RAINBIRD BUBBLER FOR TREES IN SHRUB AREAS - 2 PER TREE	0.50	30	TRICKLE
	WLT-0500-T	NDS SCH 40 BALL VALVE OR APPROVED EQUAL			
	OPERIND	RAIN BIRD DRIP ZONE INDICATOR			
	33-DRC	RAIN BIRD 3/4" TWO-PIECE QUICK COUPLING VALVE (YELLOW LOCKING RUBBER COVER)			
	T113-K SERIES	NIBCO BRASS GATE VALVE (LINE SIZE)-2.5" AND SMALLER			
	FSI-T15-001	CST 1.5" TEE MOUNTED FLOW SENSOR (2-100 GPM)			
	PESB-2"	RAINBIRD MASTER VALVE - 2" (NORMALLY CLOSED)			
	PESB-R SERIES	RAIN BIRD REMOTE CONTROL VALVE WITH SCRUBBER MECHANISM			
	XCZ-100-PRB-COM	RAIN BIRD REMOTE CONTROL VALVE DRIP ZONE KIT WITH SCRUBBER VALVE. (3-20GPM)			
	EXISTING	EXISTING REMOTE CONTROL VALVE TO REMAIN.			
	APPROVED	14" X 19" SPLICE BOX FOR NEW LOW VOLTAGE CONTROL WIRES.			
	SA6-RM6-16 DXICA WRS GR-K	RAINMASTER DX1 16 STATION PEDESTAL MOUNT CONTROLLER ASSEMBLY BY SITE ONE GREEN TECH IN STAINLESS STEEL ENCLOSURE; INCLUDES CELLULAR COMMUNICATION, RAIN SENSOR AND GROUNDING KIT			
	RS-1000	IRRITROL WIRELESS RAIN SENSOR			
	LF825YA-1.5" BPDJ/PBB-20	FEBCO REDUCED PRESSURE BACKFLOW ASSEMBLY WITH GAURDSHACK PAINTED STAINLESS STEEL ENCLOSURE AND FREEZE BLANKET. REFER TO CITY STANDARD DETAILS			
	EXISTING	EXISTING BACKFLOW PREVENTOR. INSTALL NEW GAURDSHACK PAINTED STAINLESS STEEL ENCLOSURE AND FREEZE BLANKET. REFER TO CITY STANDARD DETAILS.			
	EXISTING	EXISTING WATER METER			
		CONTROLLER AND STATION NUMBER			
		FLOW (GPM)			
		REMOTE CONTROL VALVE SIZE (IN INCHES)			
		ASSOCIATED REMOTE CONTROL VALVE			
		CONTROLLER AND STATION NUMBER			
		AREA (SQ. FT.)			
		FLOW (GPM)			
		REMOTE CONTROL VALVE SIZE (IN INCHES)			
		ASSOCIATED REMOTE CONTROL VALVE			
		EXISTING PVC MAIN LINE:			
		EXISTING PVC LATERAL LINE			
		MAIN LINE: 2.5" AND 3": CLASS 315 PVC PLASTIC PIPE WITH SCHEDULE 80 PVC SOLVENT WELD FITTINGS. 2" AND SMALLER: SCHEDULE 40 PVC WITH SCHEDULE 80 PVC SOLVENT WELD FITTINGS. 18" COVER.			
		LATERAL LINE: 3/4" AND LARGER: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.			
		DRIPLINE LATERAL LINE: 3/4" AND LARGER: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.			
		SLEEVING: SCHEDULE 40 PVC PLASTIC PIPE. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.			
		CONDUIT: SCHEDULE 40 PVC PLASTIC CONDUIT WITH LOW VOLTAGE IRRIGATION CONTROL WIRES. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER. REFER TO CONDUIT SIZING CHART THIS SHEET.			
		WIRE: LOCATION OF NEW LOW VOLTAGE IRRIGATION CONTROL WIRES TO BE EXTENDED THROUGH EXISTING SLEEVES. INSTALL SPLICE BOXES AT ALL LOCATIONS WHERE CONDUIT INTERCEPTS SLEEVES AS SHOWN ON PLANS. REFER TO INSTALLATION DETAIL.			



Irrigation Consultant:
Russell D. Mitchell Associates, Inc.
2760 Camino Diablo
Walnut Creek, CA 94597
tel 925.939.3985 ♦ fax 925.932.5671
www.rmairrigation.com



GATES + ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING • URBAN DESIGN
1031 HARRIS STREET, WILSON, CA 94094
TEL: 925.734.8174 www.gatesca.com



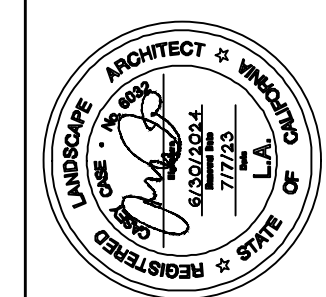
ACCEPTED FOR USE:
JOHN SAMUELSON
Public Works Director
City Engineer
Date:

City of Pittsburg

REVIVING THE HEART OF PITTSBURG PRIDE
IRRIGATION NOTES AND LEGEND

DATE	REV	DESCRIPTION	BY	DRAWN:DM	CHECKED:JB	REVIEWED:JB, CM	DATE: 7/7/23	SCALE: AS SHOWN

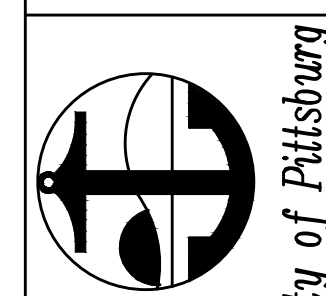
SHEET NO.
79 OF 101
DWG. NO.
L3.7



GATES + ASSOCIATES
 LANDSCAPE ARCHITECTURE
 LAND PLANNING - URBAN DESIGN
 1000 MARKET STREET, SUITE 200, PITTSBURGH, PA 15222
 T 412.324.8174 www.gatesa.com



ACCEPTED FOR USE:
JOHN SAMUELSON
 Public Works Director
 City Engineer
 Date: _____



City of Pittsburgh

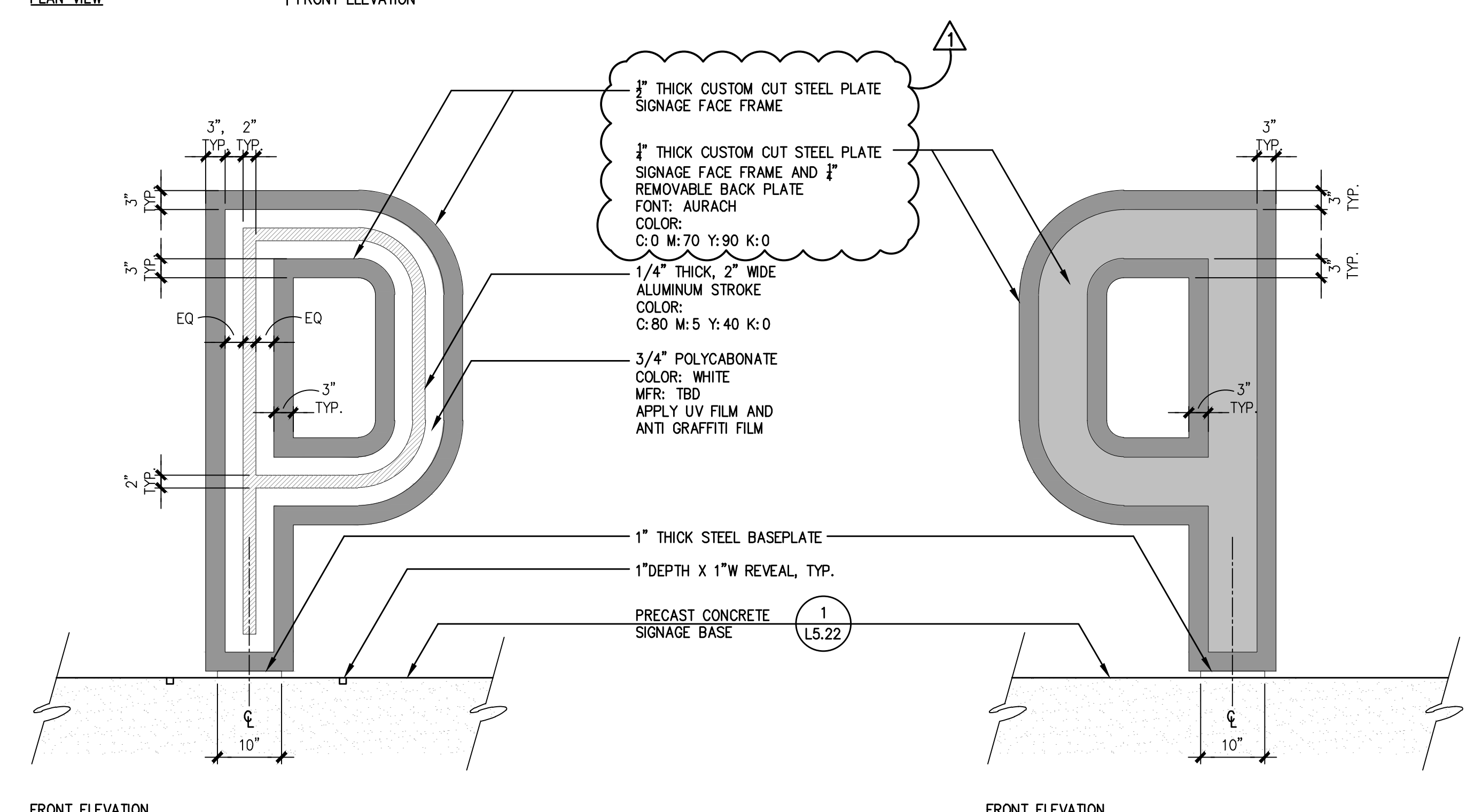
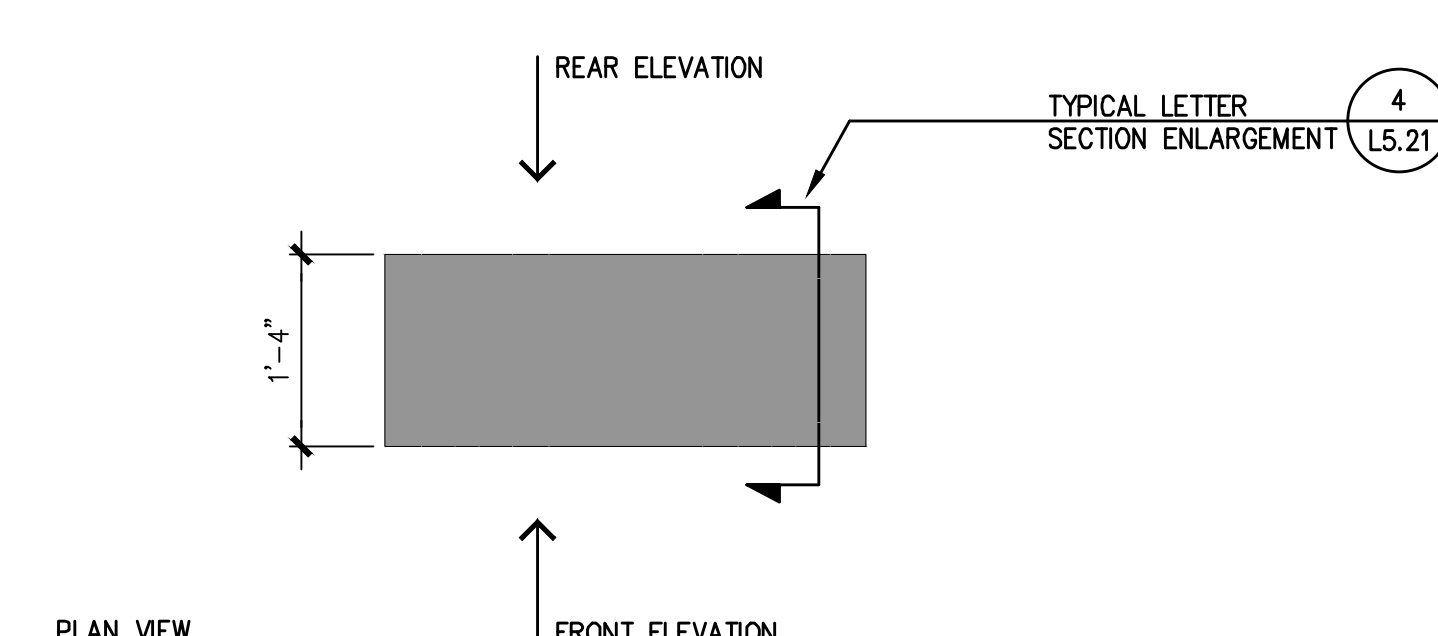
REVIVING THE HEART OF PITTSBURGH PRIDE
 CONSTRUCTION DETAILS

DRAWN: TZ
 CHECKED: CG
 REVIEWED: CG, TZ
 DATE: 7/7/23
 SCALE: AS SHOWN

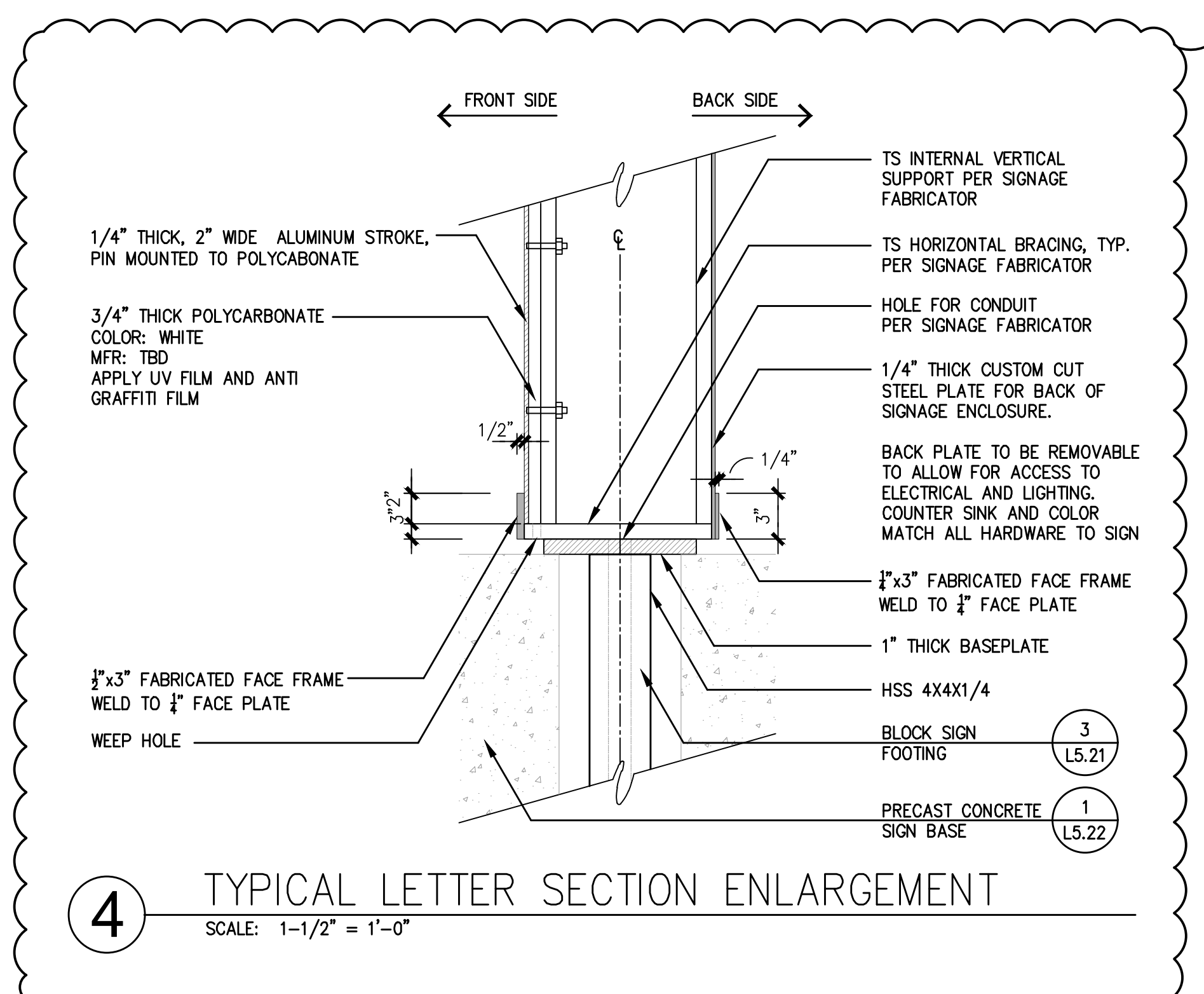
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SHEET NO.
100 OF 101

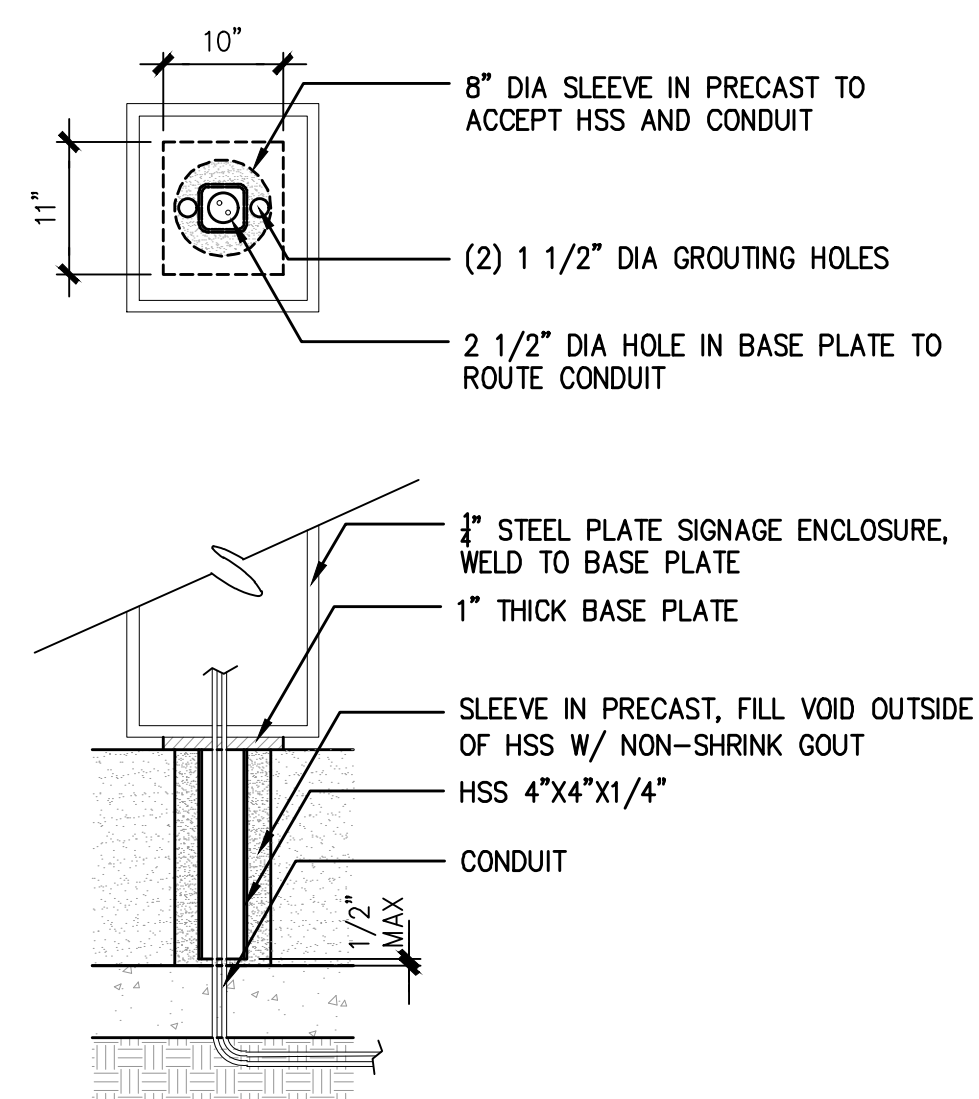
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L5.21



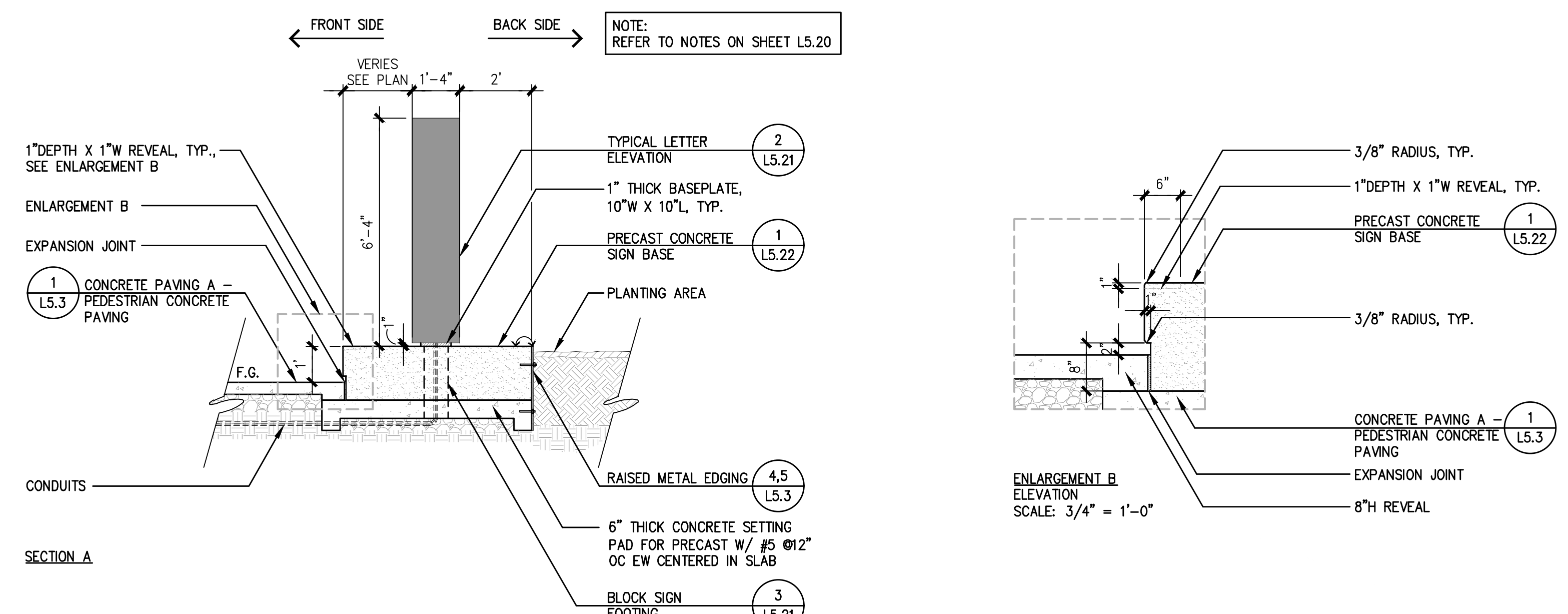
2 TYPICAL LETTER ELEVATION
 SCALE: 3/4" = 1'-0"



4 TYPICAL LETTER SECTION ENLARGEMENT
 SCALE: 1-1/2" = 1'-0"



3 BLOCK SIGN FOOTING
 SCALE: 3/4" = 1'-0"



1 BLOCK SIGN
 SCALE: 3/8" = 1'-0"

PATH: P:\PITTSBURGHRAILROAD AVENUE\ACAD\SHETS\DC-D-RAILROAD.DWG
 PLOT DATE: 7/20/2023 9:46 PM

Bid Schedule

This Bid Schedule must be completed in ink and included with the sealed Bid Proposal. Pricing must be provided for each Bid Item as indicated. Items marked "(SW)" are Specialty Work that must be performed by a qualified Subcontractor. The lump sum or unit cost for each item must be inclusive of all costs, whether direct or indirect, including profit and overhead. The sum of all amounts entered in the "Extended Total Amount" column must be identical to the Base Bid price entered in Section 1 of the Bid Proposal form.

AL = Allowance CF = Cubic Feet CY = Cubic Yard EA = Each LB = Pounds
 LF = Linear Foot LS = Lump Sum SF = Square Feet TON = Ton (2000 lbs)

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
1	Mobilization	1	LS	\$	\$
2	Construction Surveying	1	LS	\$	\$
3	Traffic Control	1	LS	\$	\$
4	SWPPP	1	LS	\$	\$
5	Clearing & Grubbing	37,364	SF	\$	\$
6	Demolition	1	LS	\$	\$
7	Landscape Preservation	1	LS	\$	\$
8	Tree Removal	21	EA	\$	\$
9	Earthwork	230	CY	\$	\$
10	Earthwork on slope	142	CY	\$	\$
11	Fine Grading	37,364	SF	\$	\$
12	Soil Offhaul	350	CY	\$	\$
13	Storm Drain Piping 6"	93	LF	\$	\$
14	Storm Drain Connection	1	EA	\$	\$
15	Storm Drain Landscape Area Drain	2	EA	\$	\$
16	Asphalt	2	TON	\$	\$
17	Brick Pavers	400	SF	\$	\$
18	Concrete Paving A	1,715	SF	\$	\$
19	Concrete Paving B	2,518	SF	\$	\$
20	Concrete Topping System	641	SF	\$	\$
21	Concrete Mowband	110	LF	\$	\$
22	Curb Ramp	1	EA	\$	\$
23	Decorative Gravel	142	CY	\$	\$
24	Geocell System	15,268	SF	\$	\$

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
25	Raised Metal Edging	60	LF	\$	\$
26	Shrub - 1 Gal	1,132	EA	\$	\$
27	Shrub - 5 Gal	67	EA	\$	\$
28	Trees - 48" Box	1	EA	\$	\$
29	Trees - 24" Box	34	EA	\$	\$
30	Mulch	16,348	SF	\$	\$
31	Root Barrier	650	LF	\$	\$
32	Soil Preparation	16,348	SF	\$	\$
33	Plant Establishment Period	16,348	SF	\$	\$
34	Irrigation Controller (New)	1	EA	\$	\$
35	Irrigation Controller (Relocated)	1	EA	\$	\$
36	Irrigation Backflow Preventor	1	EA	\$	\$
37	Irrigation Backflow Enclosure	2	EA	\$	\$
38	Irrigation Spray & Shrub Bubblers	2,448	SF	\$	\$
39	Irrigation Gate Valves	2	EA	\$	\$
40	Irrigation Tree Bubblers	62	EA	\$	\$
41	Irrigation Remote Control Valves	12	EA	\$	\$
42	Irrigation Quick Coupler Valves	8	EA	\$	\$
43	Irrigation Dripline*	12,271	SF	\$	\$
44	Irrigation Drip Zone Valve kits	13	EA	\$	\$
45	Irrigation Lateral Lines*	5,200	LF	\$	\$
46	Irrigation Main line (1.5"-2")*	246	LF	\$	\$
47	Irrigation Master Valve and Flow Sensor	2	EA	\$	\$
48	Irrigation Sleeves 4"	85	LF	\$	\$
49	Irrigation Splice box 14x19	17	EA	\$	\$
50	Irrigation Low voltage wire*	1	LS	\$	\$
51	Irrigation Conduit with communication cable*	130	LF	\$	\$
52	Irrigation Conduit for low voltage wires*	1,910	LF	\$	\$

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
53	Bench A	5	EA	\$	\$
54	Bench B	2	EA	\$	\$
55	Bench C	4	EA	\$	\$
56	Bike Rack	2	EA	\$	\$
57	Bollard	8	EA	\$	\$
58	Boulders	8	EA	\$	\$
59	Gateway Sign	1	LS	\$	\$
60	Park Sign with Precast Concrete Base	1	LS	\$	\$
61	Precast Wall	162	LF	\$	\$
62	Removeable Bollard	2	EA	\$	\$
63	Site Furniture Salvage & Reinstallation	6	EA	\$	\$
64	Trash & Recycling Receptacles	4	EA	\$	\$
65	Column Wash Lights	4	EA	\$	\$
66	Streetlight Relocation	3	EA	\$	\$
67	Electrical Utility Pedestal	1	LS	\$	\$
68	Site/Area Post top Luminaire	6	EA	\$	\$
69	DMX control cabinet	1	LS	\$	\$
70	1" conduit #10 wire*	350	LF	\$	\$
71	1" conduit #8 wire*	100	LF	\$	\$
72	Misc. circuit reconnections in (e) conduit	100	LF	\$	\$
73	Duplex Receptacle	4	LS	\$	\$
74	Twist lock receptacle	1	EA	\$	\$
75	Lighting control system	1	EA	\$	\$
76	Data Service Reconnection	1	LS	\$	\$

* Final Pay Quantity

TOTAL BASE BID: Items 1 through 76 inclusive: \$ _____

Note: The amount entered as the "Total Base Bid" should be identical to the Base Bid amount entered in Section 1 of the Bid Proposal form.

BIDDER NAME: _____

END OF BID SCHEDULE

Addendum No. 1, Project 3019 Reviving the Heart of Pittsburgh Pride is hereby acknowledged and was considered in this Contract Proposal.

Bidder's Signature

Date

Firm Name

Mailing Address

City/State/Zip+4