

Cover Sheet

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| Document Title: | Final Stamped Landscape Plans |
| Prepared By: | Wallace Group |
| Date: | 07/28/2025 |
| Version: | Permitted Set |
| Project Name: | PPHCSD Civic Center Phase 1 |
| Client/Stakeholder: | PPHCSD |
| Confidentiality: | [Public/Internal/Confidential] |

Document Overview

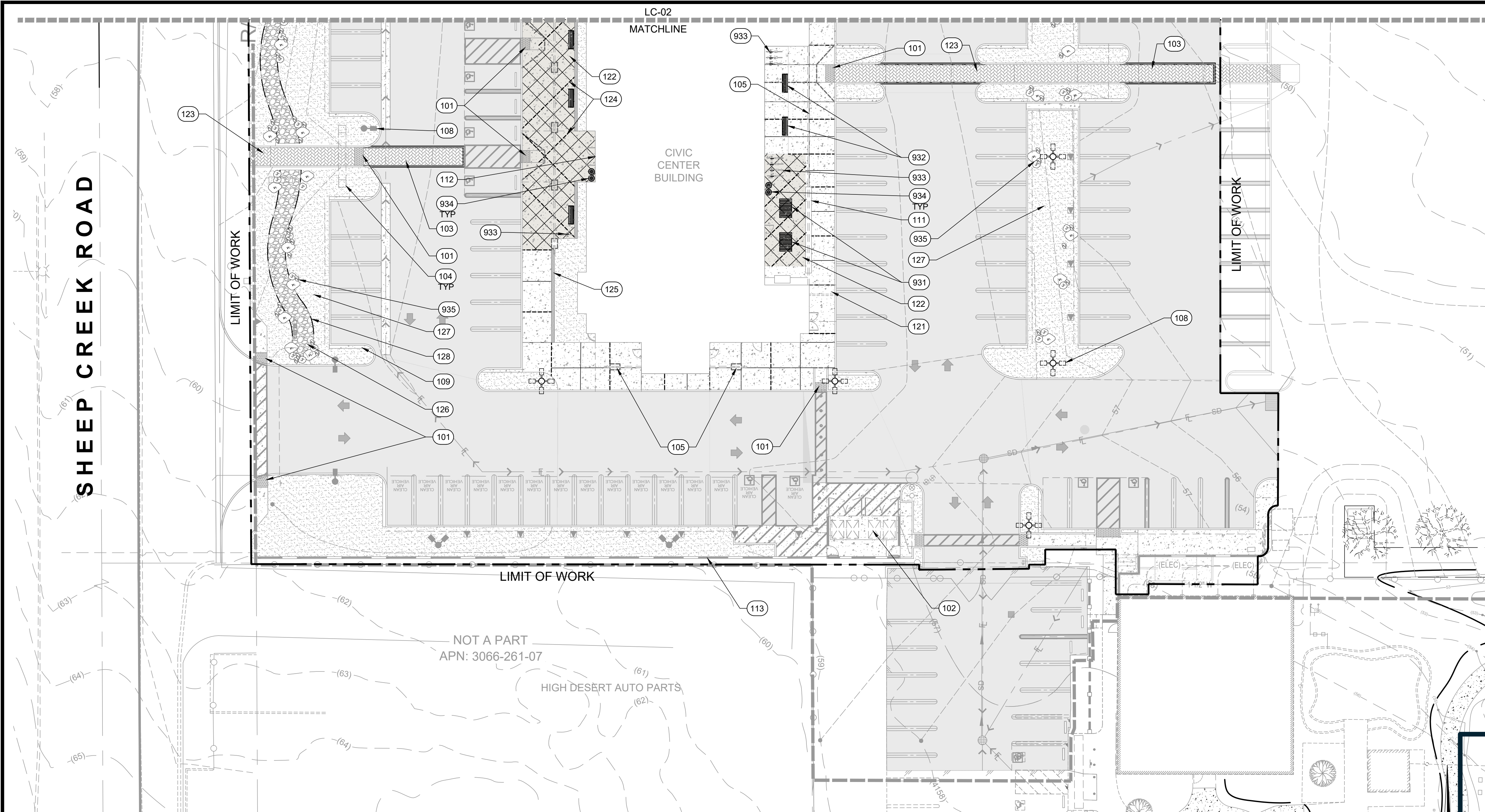
This specification document outlines the requirements, standards, and key details for the project or product described above. The cover sheet provides a summary of essential information to identify and track the document throughout its lifecycle.

Contact Information

- Preparer Wallace Group, Matthew Wilkins, Landscape Architect 805-544-4011, mattw@wallacegroup.us
- Steeno Design Studio Inc, Sophie Steeno 760-244-5001, sophie@steenodesign.com and Rae Lynn Gentry admin@steenodesign.com

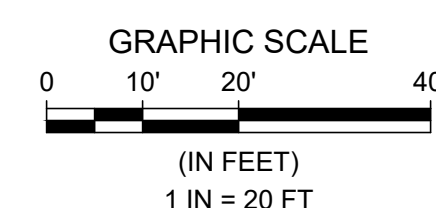
Revision History

| Version | Date | Description | Author |
|---------|------|-------------|--------|
| | | | |




| REFERENCE KEYNOTES | |
|--------------------|--|
| 100 | GENERAL REFERENCES |
| 101 | RAMP WITH TRUNCATED DOMES, SEE CIVIL PLANS |
| 102 | TRASH ENCLOSURE, SEE ARCHITECTURE PLANS |
| 103 | PEDESTRIAN CROSSING |
| 104 | ENTRY COLUMNS, SEE ARCHITECTURE PLANS |
| 105 | BUILDING OVERHANG WITH COLUMNS, SEE ARCHITECTURE PLANS |
| 106 | ENTRY SIGN, BY OTHERS |
| 107 | UTILITIES, SEE CIVIL PLANS |
| 108 | LIGHT POLES, SEE ELECTRICAL PLANS |
| 109 | CONCRETE MAINTENANCE STRIP, SEE CIVIL PLANS |
| 110 | PARKING NOSE-OVER, SEE CIVIL PLANS |
| 111 | WALL, SEE ARCHITECTURAL PLANS |
| 112 | POINT OF BEGINNING FOR CONCRETE JOINING TO BE LOCATED AT THE CENTERPOINT OF THE DOUBLE DOORS |
| 113 | CMU WALL, SEE CIVIL AND ARCHITECTURAL PLANS |
| 120 | HARDSCAPE |
| 121 | NATURAL GRAY CONCRETE PAVING, MED BROOM FINISH, SEE DETAIL 2, SHEET LC-04 |
| 122 | CONCRETE PAVING, DAVIS COLOR DUNE 6058, MED BROOM FINISH, SEE DETAIL 2, SHEET LC-04 |
| 123 | UNIT PAVERS, SEE DETAIL 1, SHEET LC-05, AND SPECIFICATIONS |
| 124 | CONCRETE EXPANSION CONTROL, AT 20' O.C. SPACING EXCEPT WHERE SHOWN OR NOTED OTHERWISE, SEE DETAIL 1, SHEET LC-04 |
| 125 | 1-3" COBBLE, SEE SPECIFICATIONS |
| 126 | 1-9" COBBLE MIX, SEE SPECIFICATIONS |
| 127 | DECOMPOSED GRANITE, SEE DETAIL 4, SHEET LC-05 |
| 128 | STEEL HEADER, SEE DETAIL 5, SHEET LC-05 AND SPECIFICATIONS |
| 129 | CONCRETE CONTROL JOINT, AT 5' O.C. SPACING EXCEPT WHERE SHOWN OR NOTED OTHERWISE, SEE DETAIL 1, SHEET LC-04 |
| 930 | SITE AMENITIES |
| 931 | 4' PICNIC TABLE, SEE SPECIFICATIONS |
| 932 | BENCH, SEE SPECIFICATIONS |
| 933 | BIKE RACK, SEE SPECIFICATIONS |
| 934 | LITTER RECEPTACLE, SEE SPECIFICATIONS |
| 935 | BOULDERS, SEE DETAIL 3, SHEET LC-05, SEE SPECIFICATIONS |

1. PRIOR TO BIDDING, THE CONTRACTOR IS TO CONFIRM CONDITIONS IN THE FIELD AFFECTING THE COMPLETION OF CONSTRUCTION WORK AND REPORT DISCREPANCIES TO THE DISTRICT ENGINEER / LANDSCAPE ARCHITECT.
2. PROTECT EXISTING UTILITIES, CURBS AND GUTTERS, LIGHTS, SIGNS, CATCH BASINS, STREET IMPROVEMENTS DURING CONSTRUCTION. ANY DAMAGED ITEMS SHALL BE REPLACED TO MATCH EXISTING AT CONTRACTORS OWN EXPENSE.
3. CONTRACTOR SHALL LAYOUT AND FIELD VERIFY ALL DIMENSIONS OF SITE ELEMENTS INCLUDING SCORELINES AND ALL RELATED WORK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DISTRICT ENGINEER AND LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FIELD.
4. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALING OF DRAWINGS. ANGLES ARE AT 90 DEGREES UNLESS NOTED OTHERWISE.
5. WHERE CONFLICTS OCCUR BETWEEN GENERAL CONSTRUCTION NOTES, DRAWINGS AND ACTUAL FIELD CONDITIONS, NOTIFY DISTRICT ENGINEER FOR CLARIFICATION. FAILURE TO PROVIDE NOTIFICATION MAY MAKE CONTRACTOR LIABLE FOR COSTS INCURRED TO RECTIFY THE DISCREPANCY.
6. CONTRACTOR TO CONSULT WITH THE PROJECT'S DISTRICT ENGINEER, APPROPRIATE AGENCIES, DIG ALERT, AND DRAWINGS TO VERIFY LOCATIONS OF UNDERGROUND UTILITIES, PIPES AND RELATED STRUCTURES. RESPONSIBILITY FOR COSTS INCURRED DUE TO DAMAGE OF THE UTILITIES, PIPES OR STRUCTURES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR IF PROPER VERIFICATION WAS NOT PERFORMED.
7. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION OPERATIONS WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTION AND GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE DESIGN PROCESS. CONTRACTOR SHALL BRING SUCH CONDITIONS TO THE ATTENTION OF DISTRICT ENGINEER IMMEDIATELY FOR RESOLUTION. CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR COSTS INCURRED AND REQUIRED MODIFICATIONS DUE TO LACK OF PROVIDING SUCH NOTIFICATION.
8. ALL HARDSCAPE TO SLOPE TOWARDS PLANTER AREAS. MIN. SLOPE 0.5%, MAX. 1.5%
9. FIELD VERIFY VERTICAL CONTROLS OF ALL CONSTRUCTION FEATURES AS SHOWN ON THE CONSTRUCTION PLANS PRIOR TO POURING CONCRETE FLATWORK.
10. ENSURE THAT FINISHED GRADES HAVE BEEN SET CORRECTLY PRIOR TO INSTALLING PAVING, CURBS AND OTHER STRUCTURES.
11. ENSURE THAT DRAIN LINES, IRRIGATION LATERAL AND MAINLINES, ELECTRICAL CONDUIT SLEEVES, ETC., ARE IN PLACE PRIOR TO INSTALLATION OF PAVING AND CURBS.
12. SEE CIVIL DRAWINGS FOR HARDSCAPE LAYOUT, GRADING, UTILITY, AND DRAINAGE INFORMATION.



SAN BERNARDINO COUNTY LAND USE SERVICES
PLANNING DIVISION

APPROVED


OLIVER MUJICA

APPROVED

By Oliver Mujica at 8:58 am, Jul 28, 2025



BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD, FROM THE INTERSECTION OF PHELAN RD, 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD, 34 FT EAST OF THE CENTER LINE OF JOHNSON RD, 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD, 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

**Bid Set - PPHCSD Civic Center Phase 1
- Landscape Plans**

| NO. | REVISION | DATE | BY |
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COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

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|---------------------------|------------------|--------------------------|--------------|
| DESIGNED BY: TER | DRAWN BY: TER | CHECKED BY: | APPROVED BY: |
| RECOMMENDED/APPROVED BY: | | | |
| LAND DEVELOPMENT ENGINEER | DATE | DIRECTOR OF PUBLIC WORKS | DATE |

- GRAD-2021-00235
- PRAA-2021-00040
- DRNSTY-2021-00054
- SIP-2021-00031
- NEWNR-2021-00230
- WQMP-2021-00153

DRAWN BY:
DATE:

DESIGNED BY:
DATE:

APPROVED BY:
DATE:

PHELAN PINON HILLS
COMMUNITY SERVICES DISTRICT
CIVIC CENTER DEVELOPMENT
PHASE 1
9535 SHEEP CREEK RD. PHELAN, CA. 92329
(APN: 3066-261-10 & 3066-251-18)

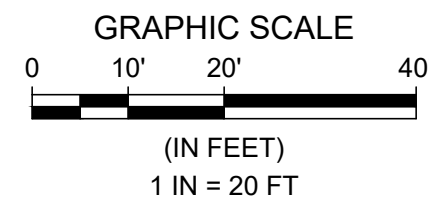
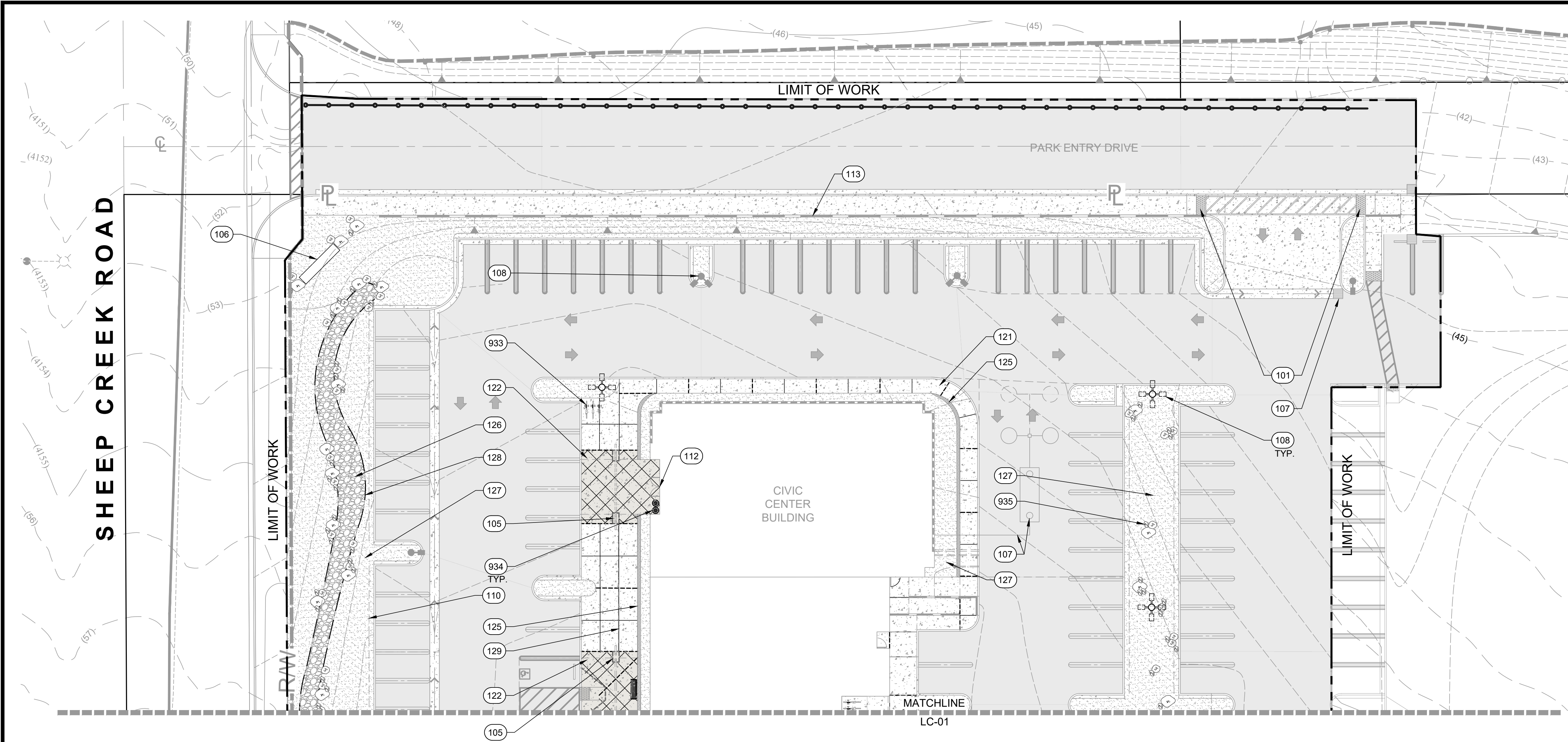
SITE PLAN

SCALE:
AS SHOWN

SHEET
13 OF 15

SHEET
LC-01

WDID# 6B36C401591



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- SHEET NOTES
1. REFER TO SHEET LC-01 FOR LANDSCAPE CONSTRUCTION NOTES.

2. REFER TO SHEET LC-03 FOR FULL LANDSCAPE CONSTRUCTION LEGEND.

3. REFER TO SHEETS LC-03 - LC-05 FOR LANDSCAPE CONSTRUCTION DETAILS.

4. AREAS LABELED "PA" ARE UNPAVED PLANTER AREAS.

5. ALL SHEET CALLOUTS ARE USED TO POINT OUT THE SYMBOL BEING USED FOR EACH SITE ELEMENT ON THE SHEET. THESE CALLOUTS ARE TYPICAL AND EACH SITE ELEMENT IS ONLY INDICATED VIA CALLOUT IN ONE LOCATION ON EACH SHEET. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL OF THE SITE ELEMENTS SHOWN ON PLANS NOT JUST THOSE WITH A CALLOUT (REFER TO SYMBOLS INDICATED IN LEGEND).

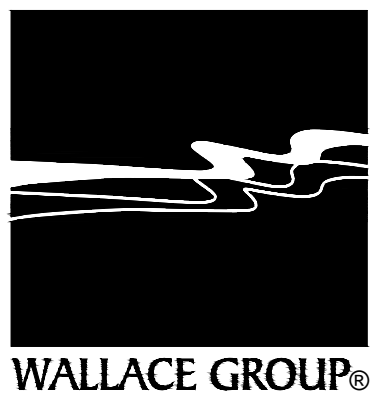
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| COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS | | | |
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| DESIGNED BY: TER | DRAWN BY: TER | CHECKED BY: | APPROVED BY: |
| RECOMMENDED/APPROVED BY: | | ASST. DIRECTOR OF PUBLIC WORKS | |
| LAND DEVELOPMENT ENGINEER | | DIRECTOR OF PUBLIC WORKS | |
| DATE | DATE | DATE | DATE |

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|---|--|
| • GRAD-2021-00235 • PRAA-2021-00040 • DRNSTY-2021-00054 | • SIP-2021-00031 • NEWNR-2021-00230 • WQMP-2021-00153 |
| DRAWN BY: DATE: | PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18) |
| DESIGNED BY: DATE: | SCALE: AS SHOWN |
| APPROVED BY: DATE: | SHEET 13 OF 15 |
| | SHEET LC-02 |

* LANDSCAPE CONSTRUCTION LEGEND

| KEY | DETAIL | ITEM | DESCRIPTION | COLOR & FINISH | | NOTES & REMARKS | SUPPLIER INFORMATION |
|----------------------|-----------|------------------------------|--|--|--|---|---|
| PAVING AND SURFACING | | | | | | | |
| 124 | 1 / LC-04 | CONTROL JOINT | SAWCUT CONTROL JOINT | - | | SPACE JOINTS EVENLY BETWEEN EXPANSION JOINTS AND CONCRETE EDGES AS SHOWN ON PLANS. ALL SAWCUT JOINTS SHALL EXTEND TO FACE OF WALLS, BUILDINGS, AND OTHER STRUCTURES AND PAVING EDGES, TYPICAL. MAX. JOINT SPACING SHALL NOT EXCEED 10' O.C. UNLESS OTHERWISE INDICATED ON PLANS. | NOMACO PHONE: (919) 269-6500 WEBSITE: WWW.NOMACO.COM |
| 124 | 1 / LC-04 | DOWELED EXPANSION JOINT | DOWELED EXPANSION JOINT WITH ELASTOMERIC SEALANT AND BACKER MATERIAL | COLOR: MATCH ADJACENT CONCRETE FINISH: MATCH ADJACENT CONCRETE | | USE SIKAFLEX-1A JOINT SEALANT OVER NOMAFLEX OR FASTFLEX (AT CURVILINEAR JOINTS) POLYPROPYLENE JOINT FILLER PLANK BACKER MATERIAL. USE 10" LONG #4 REBAR FOR DOWEL WITH PSD1/2X5LT SPEED DOWEL SLEEVE. INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. MAX. JOINT SPACING SHALL NOT EXCEED 20' O.C. UNLESS OTHERWISE INDICATED ON PLANS. | SIKA CORPORATION PHONE: (215) 527-0727 WEBSITE: USA.SIKA.COM |
| 121 | 2 / LC-04 | PAVING TYPE 1 | GRAY CONCRETE PAVING, PEDESTRIAN THICKNESS | COLOR: NATURAL GRAY FINISH: MEDIUM BROOM | | CONTRACTOR SHALL PREPARE A 5'X5' MOCKUP FOR EACH CONCRETE COLOR/FINISH SHOWING ALL PROPOSED COLORS, FINISHES, CONTROL AND EXPANSION JOINTING FOR REVIEW AND APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF CONCRETE. | DAVIS COLORS PHONE: (800) 356-4848 WEBSITE: WWW.DAVISCOLORS.COM |
| 122 | 2 / LC-04 | PAVING TYPE 2 | INTEGRALLY COLORED CONCRETE PAVING, PEDESTRIAN THICKNESS (4") | COLOR: DAVIS COLOR DUNE (6058) FINISH: MEDIUM BROOM | | CONCRETE SHALL BE INSTALLED PER CIVIL AND ARCHITECTURAL DRAWINGS AND GEOTECHNICAL REPORT RECOMMENDATIONS. | |
| 123 | 1 / LC-05 | UNIT PAVERS | 4" X 8" X 80 MM HOLLAND STONE PAVER BY BELGARD, INSTALLED IN HERRINGBONE PATTERN | COLOR: TOSCANA (FONTANA) FINISH: SHOT BLAST SEALER: TECHNISEAL NATURAL LOOK PAVER PROTECTOR (IN) PATTERN: HERRINGBONE SIZE: 4" X 8" X 80MM | | INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL SUBMIT PHYSICAL SAMPLES OF PAVER COLORS AND FINISHES FOR REVIEW AND APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION OF PAVERS. CONTRACTOR SHALL INSTALL MIN. 4'X4' MOCKUP WITH CONCRETE CURBS FOR REVIEW AND APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT | BELGARD PHONE: (949) 281-9692 WEBSITE: BELGARD.COM |
| 125 | 2 / LC-05 | 1"-3" COBBLE | 1"-3" COBBLE INSTALLED AT PLANTER EDGES | COLOR: MEXICAN BEACH PEBBLE - BUFF FINISH: NATURAL | | REFER TO PLANS AND DETAIL. FOR LOCATIONS OF VARIOUS COBBLE SIZES. 1-9" COBBLE SHALL BE INSTALLED PER THE DETAIL WITH THE FOLLOWING PERCENTAGES OF EACH SIZE COBBLE: 6-9" COBBLE - 20% 3-5" COBBLE - 40% 1-2" COBBLE - 40% | SOUTHWEST BOULDER & STONE PHONE: (760) 328-5877 WEBSITE: SOUTHWESTBOULDER.COM |
| 126 | 6 / LC-05 | 1"-9" COBBLE MIX | 1"-2"(40%), 3"-5"(40%) & 6"-9"(20%) COBBLE | COLOR: MEXICAN BEACH PEBBLE - BUFF FINISH: NATURAL | | CONTRACTOR SHALL SUBMIT PHYSICAL SAMPLES OF EACH COBBLE TYPE REPRESENTATIVE OF THE COBBLE LOTS FOR REVIEW AND APPROVAL BY THE DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION OF THE LANDSCAPE COBBLE | |
| 127 | 4 / LC-05 | DECOMPOSED GRANITE SURFACING | UNSTABILIZED DECOMPOSED GRANITE APPLIED AS MUCH IN PLANTER AREAS AT 3" DEPTH | COLOR: PARADISE GOLD FINISH: UNSTABILIZED | | INSTALL PER DETAIL AND SPECIFICATIONS. CONTRACTOR SHALL SUBMIT A SAMPLE OF DECOMPOSED GRANITE IN A MINIMUM 1 QUART SEALED ZIPLOCK BAG REPRESENTATIVE OF THE COLOR OF THE DECOMPOSED GRANITE LOT FOR REVIEW AND APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION | |
| 128 | 5/ LC-05 | METAL EDGING | 3/16" THICK X 6" HIGH PERMALOC CLEANLINE XL ALUMINUM HEADER WITH 18" STAKES | COLOR: BLACK DURAFLEX | | INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL SUBMIT MINIMUM 6" LONG PHYSICAL SAMPLE OF PRODUCT WITH SPECIFIED COLOR AND FINISH FOR REVIEW AND APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION | PERMALOC PHONE: (616) 399-9600 WEBSITE: PERMALOC.COM |

FURNISHINGS

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| 931 | 1 & 2/ LC-06 | 4' PICNIC TABLE | VICTOR STANLEY "ELLA" 4' PICNIC TABLE MODEL ##ELLT-63-W WITH TWO "ELLA" 4' BACKLESS BENCHES WITHOUT ARMRESTS MODEL ##ELL-53-W | METAL: SLATS: MOUNTING: WHITE POWDER-COATED STEEL ESPRESSO RECYCLED PLASTIC SURFACE-MOUNT | | INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. ALL FASTENERS SHALL BE STAINLESS STEEL AND TAMPERPROOF. SUBMIT COLOR/FINISH SAMPLES FOR APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION. | VICTOR STANLEY CONTACT: DAVID SKALKA PHONE: (951) 299-9394 WEBSITE: VICTORSTANLEY.COM |
| 932 | 3/ LC-06 | BENCH | VICTOR STANLEY "STELL" 6' LONG BENCH WITH BACK AND END ARMRESTS MODEL #STE-20-W | METAL: SLATS: MOUNTING: WHITE POWDER-COATED STEEL ESPRESSO RECYCLED PLASTIC SURFACE-MOUNT | | INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. ALL FASTENERS SHALL BE STAINLESS STEEL AND TAMPERPROOF. SUBMIT COLOR/FINISH SAMPLES FOR APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION. | |
| 933 | 4/ LC-06 | BIKE RACK | VICTOR STANLEY "STELL" BIKE RACK MODEL #BSTE-161-W | METAL: SLATS: MOUNTING: WHITE POWDER-COATED STEEL ESPRESSO RECYCLED PLASTIC SURFACE-MOUNT | | INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. ALL FASTENERS SHALL BE STAINLESS STEEL AND TAMPERPROOF. SUBMIT COLOR/FINISH SAMPLES FOR APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION | |
| 934 | 5/ LC-06 | LITTER RECEPTACLE | VICTOR STANLEY "REN" TOP DEPOSIT 36-GALLON, SINGLE-STREAM TRASH AND RECYCLING RECEPTACLE MODEL #REN-36SDTD | METAL: SLATS: TRASH LID: RECYCLE LID: WHITE POWDER-COATED STEEL ESPRESSO RECYCLED PLASTIC WIDE MOUTH CONVEX RECYCLE | | INSTALL PER DETAIL AND MANUFACTURER'S RECOMMENDATIONS. ALL FASTENERS SHALL BE STAINLESS STEEL AND TAMPERPROOF. SUBMIT COLOR/FINISH SAMPLES FOR APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION INSTALL LITTER RECEPTACLES IN PAIRS WITH ONE RECYCLE AND ONE TRASH RECEPTACLE IN EACH PAIR. | |
| 935 | 3 / LC-05 | BOULDERS | 2'X2'X2', 3'X3'X3', AND 4'X4'X4' DECORATIVE BOULDERS | COLOR: APACHE SUNSET | | BOULDER LOCATIONS SUBJECT TO REVIEW AND FINAL APPROVAL BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL RELOCATE BOULDERS IF REQUESTED BY LANDSCAPE ARCHITECT TO REFLECT THE DESIGN VISION. AT LEAST ONE SIDE OR LENGTH OF THE BOULDER SHALL MEET THE SPECIFIED BOULDER LENGTH. CONTRACTOR SHALL SUBMIT PHYSICAL SAMPLES OF BOULDER COLOR REPRESENTATIVE OF THE BOULDER LOT FOR REVIEW AND APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION. | SOUTHWEST BOULDER & STONE PHONE: (760) 328-5877 WEBSITE: SOUTHWESTBOULDER.COM |

LANDSCAPE CONSTRUCTION LEGEND NOTE:

- *1. MANUFACTURER / SUPPLIER SPECIFIC PRODUCTS CAN BE SUBSTITUTED IF AN ALTERNATIVE PRODUCT MEETS PERFORMANCE REQUIREMENTS AND IS APPROVED BY DISTRICT REPRESENTATIVE AND LANDSCAPE ARCHITECT. NO ASSURANCE OF ALTERNATIVE PRODUCT APPROVAL IS GRANTED BY THIS NOTE.

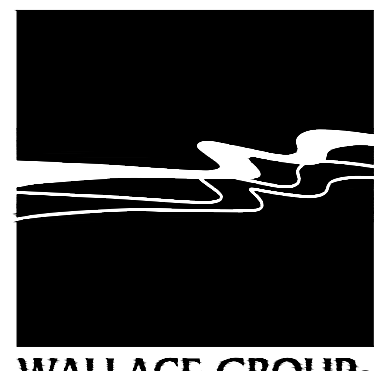
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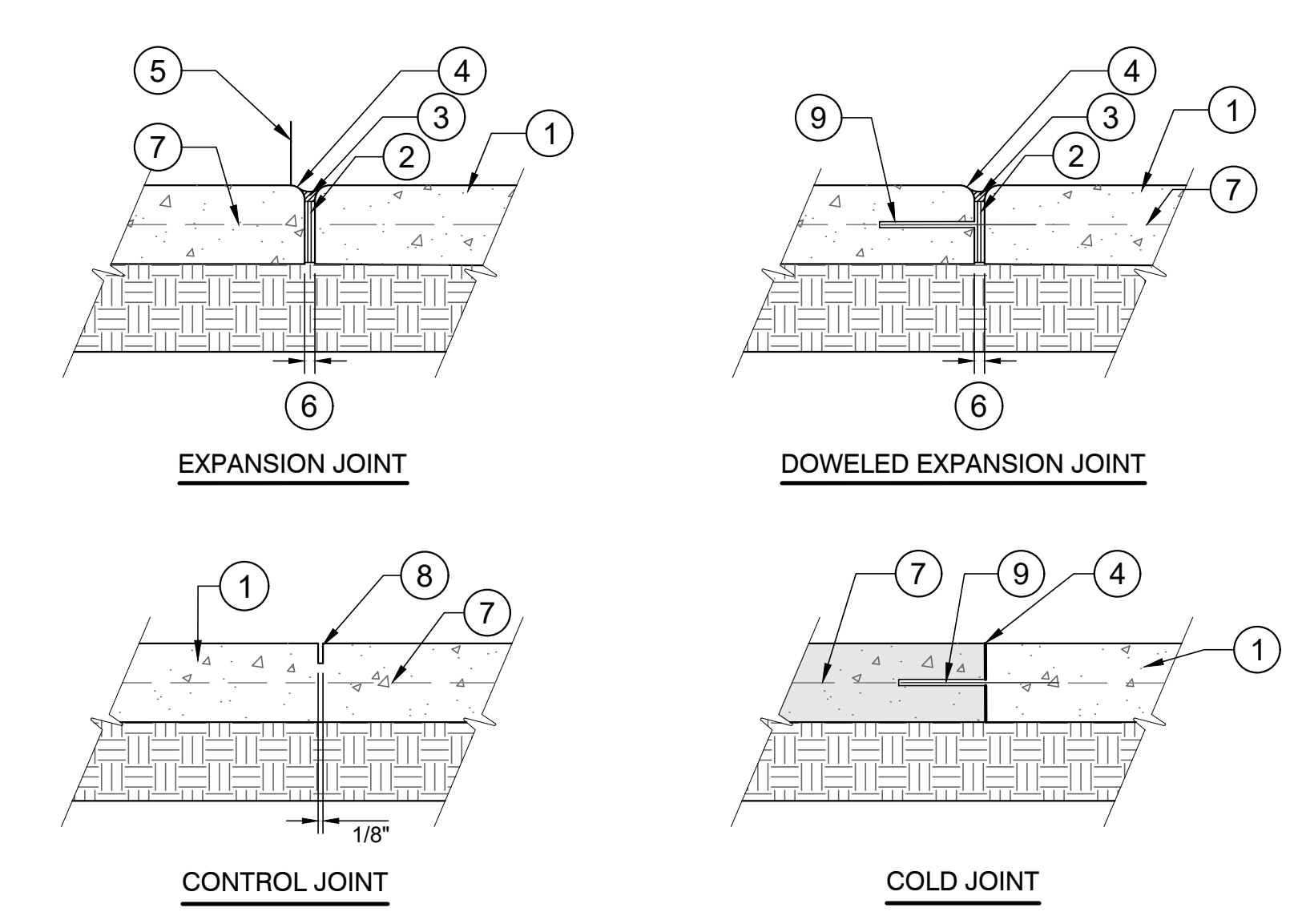
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COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

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| DESIGNED BY: TER | DRAWN BY: TER | CHECKED BY: | APPROVED BY: |
| RECOMMENDED/APPROVED BY: | | | ASST. DIRECTOR OF PUBLIC WORKS |
| LAND DEVELOPMENT ENGINEER | DATE | DIRECTOR OF PUBLIC WORKS | DATE |

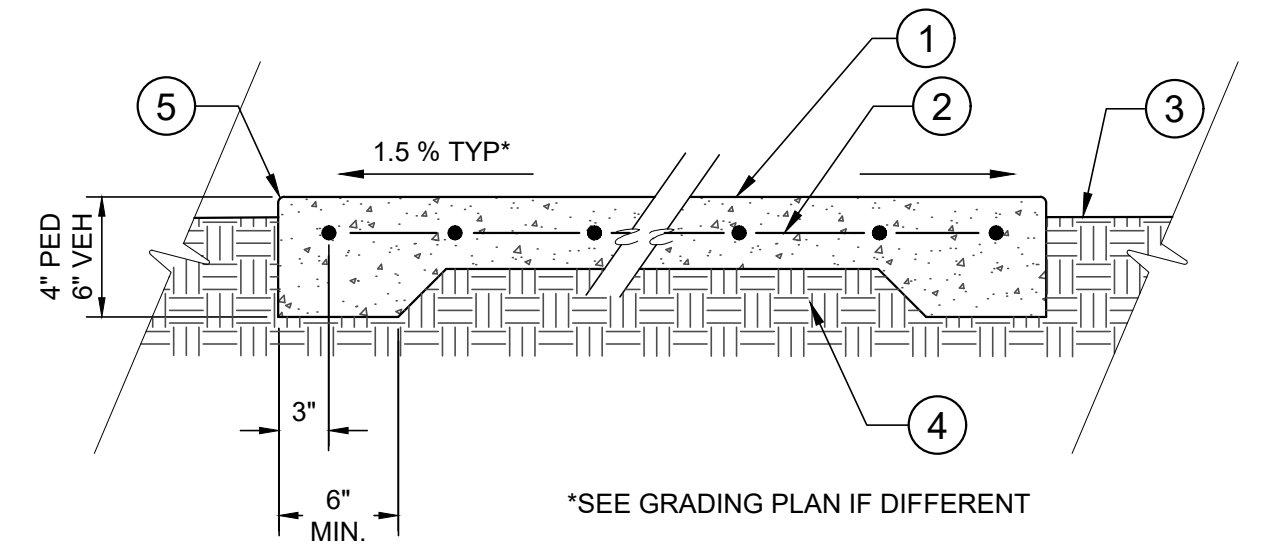
- GRAD-2021-00235
- PRAA-2021-00040
- DRNSTY-2021-00054
- SIP-2021-00031
- NEWNR-2021-00230
- WQMP-2021-00153

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| DRAWN BY: DATE: | PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18) | SCALE: AS SHOWN |
| DESIGNED BY: DATE: | | SHEET 13 OF 15 |
| APPROVED BY: DATE: | SITE PLAN | SHEET LC-03 |



- LEGEND**
- 1 CONCRETE PAVING
 - 2 JOINT BACKER MATERIAL OR POLYFOAM BACKER MATERIAL
 - 3 SIKAFLEX - 1A JOINT SEALANT AT 1/2" DEPTH, COLOR TO MATCH ADJASCENT HARDSCAPE SURFACE
 - 4 1/4" RADIUS TYP.
 - 5 FACE OF CURB, CONCRETE PAVING, WALL, BUILDING OR STRUCTURE - WHERE OCCURS
 - 6 EXPANSION JOINT WIDTH:
PEDESTRIAN PAVEMENT - 3/8"
VEHICULAR PAVEMENT - 1/2"
 - 7 CONCRETE REINFORCING PER GEOTECHNICAL REPORT
 - 8 SAWCUT JOINT PER PLANS. 1/2" DEPTH FOR PEDESTRIAN PAVING. 3/4" DEPTH FOR VEHICULAR PAVING. STOPPING JOINT SHORT OF GRATES, WALLS, BUILDING, ETC. IS UNACCEPTABLE.
 - 9 NO 3 BAR 24" DOWEL O.C. WITH SLEEVE

- NOTES:**
- A. SPACE EXPANSION JOINTS PER PLANS OR AT 20' O.C. MAX. SPACE CONTROL JOINTS PER PLANS OR AT 5' O.C. MAX.
 - B. WHERE CONCRETE ABUTS WALLS/BUILDING PROVIDE CONTINUOUS EXPANSION JOINT MATERIAL (SEALED, NO DOWEL). TYP.



- LEGEND:**
- 1 CONCRETE PAVING: PCC, CLASS C FOR PEDESTRIAN 4" MIN. THICKNESS, PCC CLASS A FOR VEHICULAR 6" MIN. THICKNESS. REFER TO CITY OF SANTA MARIA STANDARD SPECIFICATIONS S-109. SEE REF. KEYNOTES FOR COLOR AND FINISH.
 - 2 #3 REBAR AT 18" O.C., EACH WAY, CENTERED IN SLAB
 - 3 FINISH GRADE, SEE NOTES FOR DEPTH
 - 4 SUBGRADE, COMPACT TO 95% RELATIVE COMPACTION.
 - 5 1/2" TOOLED RADIUS

- NOTES:**
- A. PROVIDE FINISH SAMPLE PER SPECIFICATIONS.

1 CONCRETE JOINTING

NTS

321313.13-17

2 CONCRETE PAVING

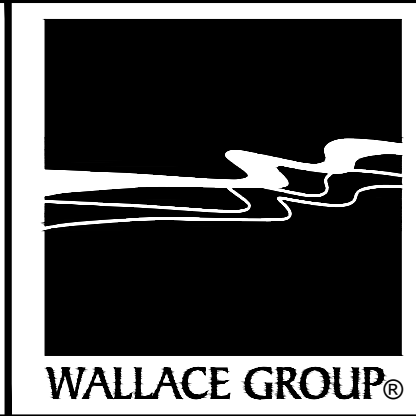
NTS

321313.13-06



BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND. ELEV= 3613.45'

| Bid Set - PPHCSD Civic Center Phase 1 - Landscape Plans | | | |
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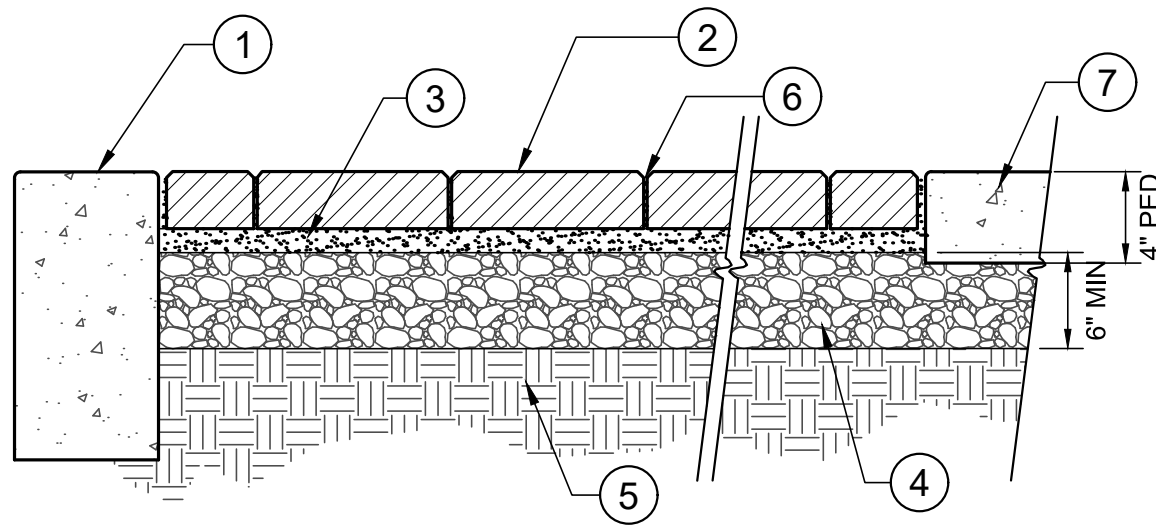
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| • GRAD-2021-00235 • PRAA-2021-00040 • DRNSTY-2021-00054 | | • SIP-2021-00031 • NEWNR-2021-00230 • WQMP-2021-00153 | |
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| DESIGNED BY: DATE: | | | SHEET 13 OF 15 |
| APPROVED BY: DATE: | SITE DETAILS | | SHEET LC-04 |

WDID# 6B36C401591

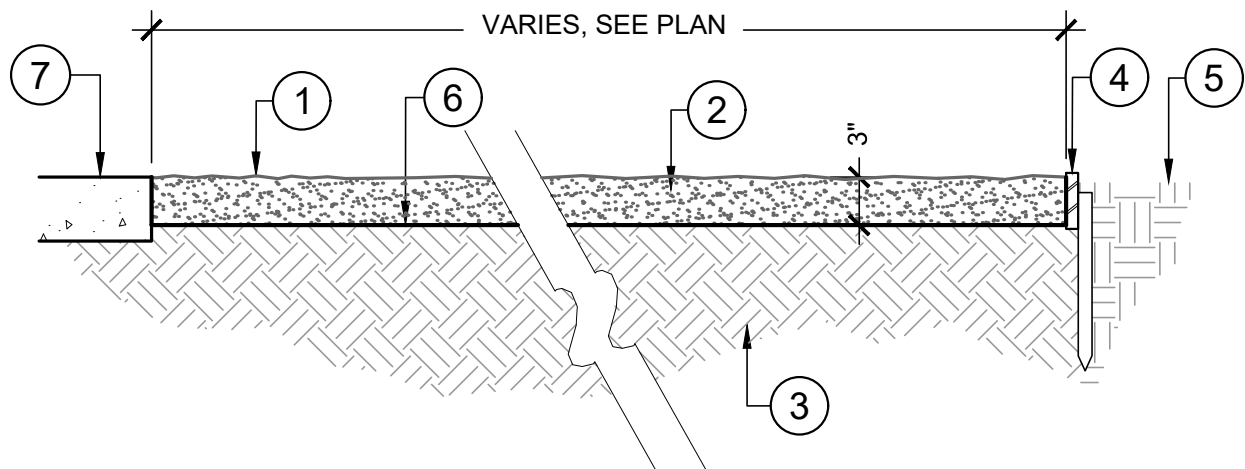
- LEGEND:
- 1 CONCRETE CURB, WHERE OCCURS, SEE CIVIL PLANS FOR CURB DETAIL.
 - 2 CONCRETE PAVERS
 - 3 1" TO 1-1/2" BEDDING SAND
 - 4 CLASS II AGGREGATE BASE, COMPACT TO 95% RELATIVE COMPACTION
 - 5 SUBGRADE, COMPACT TO 95% RELATIVE COMPACTION, ACCORDING TO GEOTECH REPORT.
 - 6 JOINTING SAND
 - 7 ADJACENT CONCRETE, WHERE OCCURS, SEE CIVIL PLANS FOR CONCRETE DETAIL

NOTE:
A. PAVERS MUST NOT BE SMALLER THAN 3" IN ANY DIRECTION (WIDTH OR LENGTH)

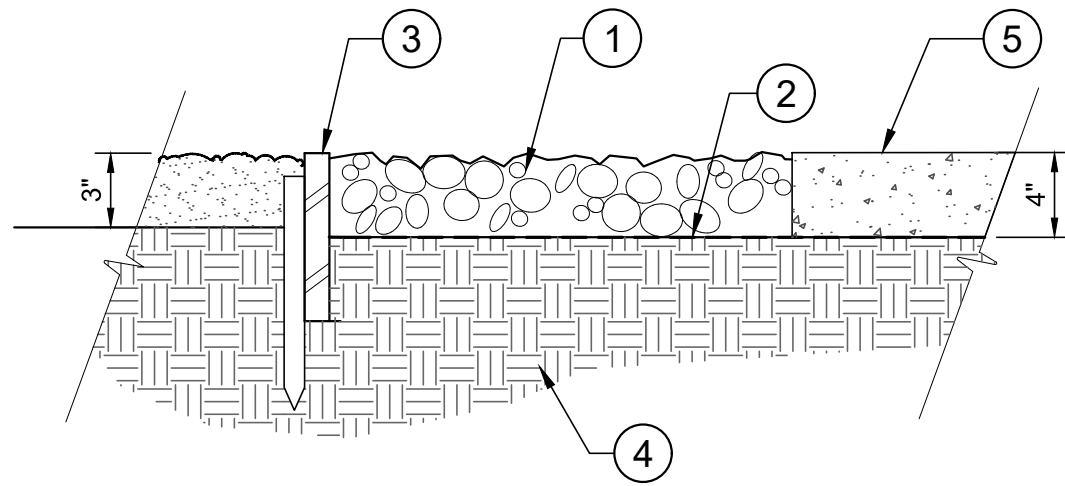


1 PEDESTRIAN PAVING SYSTEM ON AGGREGATE
1 1/2" = 1'-0" 321413-18

- LEGEND:
- 1 FINISH SURFACE
 - 2 DECOMPOSED GRANITE, 1/4" DIAM. MINUS, COMPACTED 90%
 - 3 COMPACTED SUB-GRADE, 90% COMPACTION
 - 4 STEEL EDGING WITH STAKES.
 - 5 PLANTING AREA
 - 6 LANDSCAPE FABRIC FOR WEED CONTROL OR APPROVED EQUAL
 - 7 CONCRETE OR ASPHALT PAVEMENT
- NOTES:
- A. SLOPE SURFACE PER DRAINAGE PATTERN SHOWN ON CIVIL GRADING PLAN
 - B. DECOMPOSED GRANITE COLOR - CALIFORNIA GOLD
 - C. DECOMPOSED GRANITE SHALL BE INSTALLED IN DRY WEATHER, WITH TEMPERATURE MIN. 45° F AND RISING.
 - D. SEE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION AND SPACING OF STEEL EDGE. COMPACT SUBGRADE TO 95% ADJACENT TO EDGING



4 UNSTABILIZED DECOMPOSED GRANITE SURFACING
1" = 1'-0" 321516-23



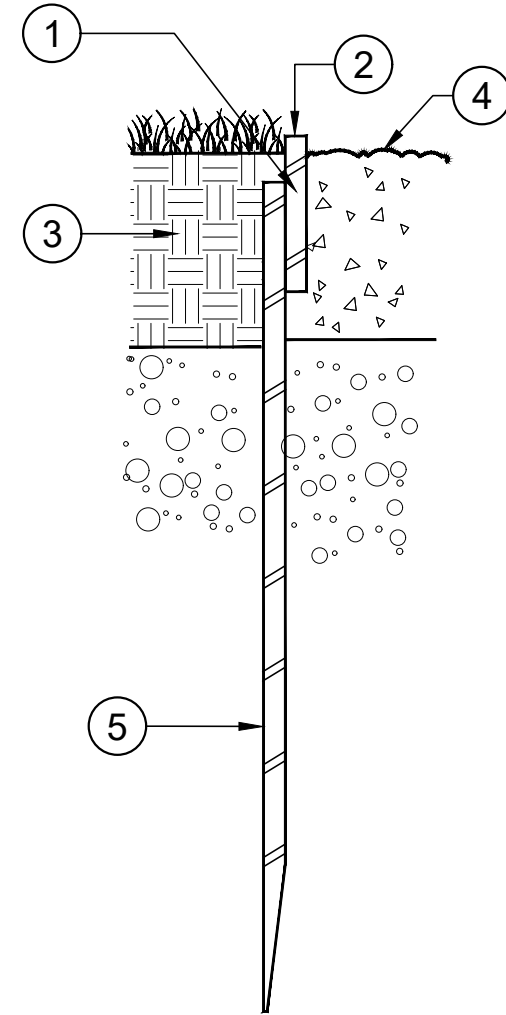
- LEGEND:
- 1 COBBLE PAVING, 1"-3" DIAMETER, 4" DEEP
 - 2 LANDSCAPE FABRIC FOR WEED CONTROL, OR APPROVED EQUAL
 - 3 STEEL EDGING WITH STAKES.
 - 4 90% COMPACTED SUBGRADE
 - 5 CONCRETE PAVING, SEE PLANS.

2 COBBLE PAVING
3" = 1'-0" 321519-08

- LEGEND:
- 1 METAL EDGING
 - 2 TOP OF EDGING TO BE MAXIMUM OF 1/4" ABOVE SURFACE
 - 3 COMPACT SUBGRADE 95% ADJACENT TO EDGING TO AVOID SETTLING
 - 4 FINISH SURFACE, REFER TO PLAN
 - 5 12" METAL STAKE. SEE MANUFACTURER'S SPECIFICATIONS FOR SPACING.

STEEL EDGING SIZE:
1/2" X 3 3/4" BY 0.060" THICK WITH 0.20" EXPOSED TOP LIP

FINISH:
NATURAL RUST

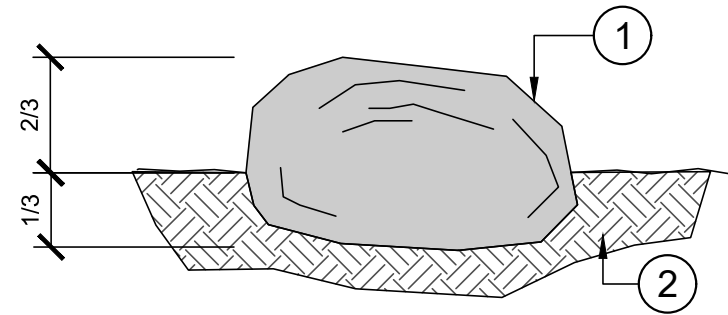


5 METAL EDGING
3" = 1'-0" 321516-24

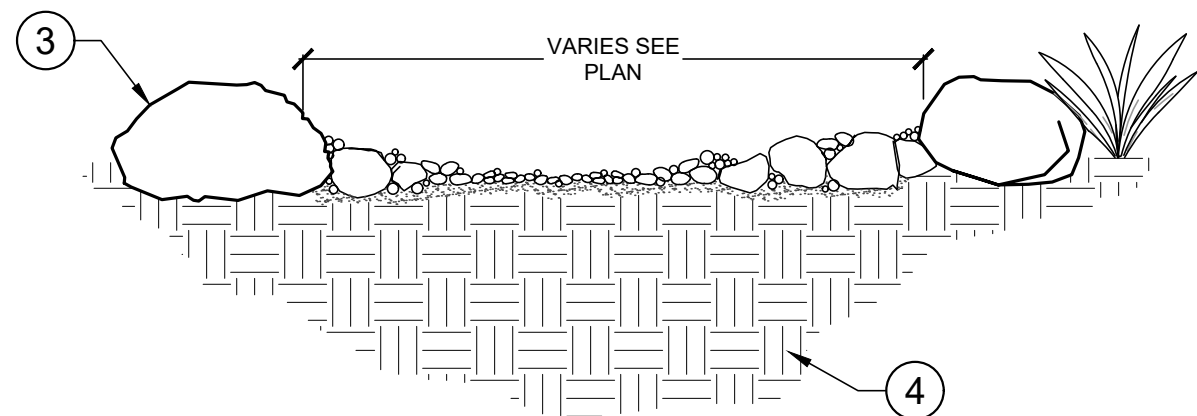
- LEGEND:
- 1 BOULDER, TO BE SELECTED BY LANDSCAPE ARCHITECT
 - 2 COMPACTED SUBRADE

NOTES:

- A. DEPRESS BOULDER MASS 1/3 TO 1/2 BELOW GRADE A SHOWN.
- B. SEE LANDSCAPE LAYOUT PLAN FOR LOCATIONS.
- C. BOULDER GROUPINGS SHALL BE VARYING SIZES, NOT LESS THAN 2' IN WIDTH AND NOT LESS THAN 3' IN LENGTH.



3 LANDSCAPE BOULDER
NTS 323020-07



- LEGEND:
- 1 FINISH GRADE
 - 2 1 - 9" MIXED COBBLE, 40% 1 - 2" Ø, 40% 3 - 5" Ø AND 20% 6" - 9" Ø COBBLE. PLACE ROCK IN A RANDOM PATTERN, ADD PEA GRAVEL AFTER LARGER COBBLE PLACED.
 - 3 BOULDER. REFER TO BOULDER DETAIL FOR INSTALLATION.
 - 4 SUBGRADE, COMPACTED TO 85% COMPACTION

NOTE:
A. SUBMIT ROCK / COBBLE PHOTOS FOR REVIEW AND APPROVAL

6 MIXED COBBLE DECORATIVE DRY CREEK
1/4" = 1'-0" 329815.11-03

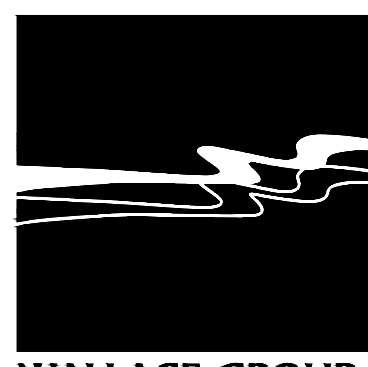


Know what's below.
Call before you dig.

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ELEV= 3613.45'

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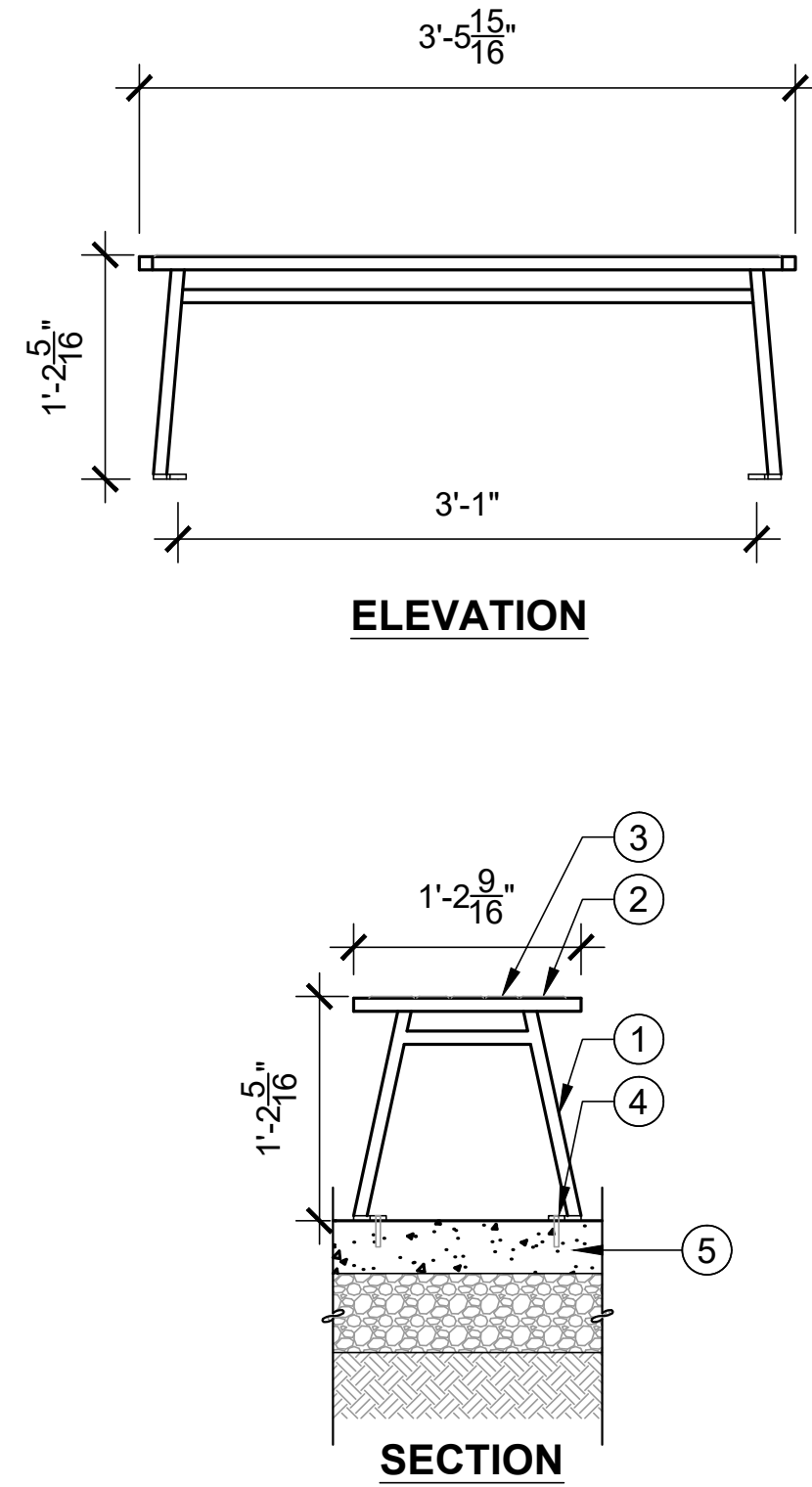
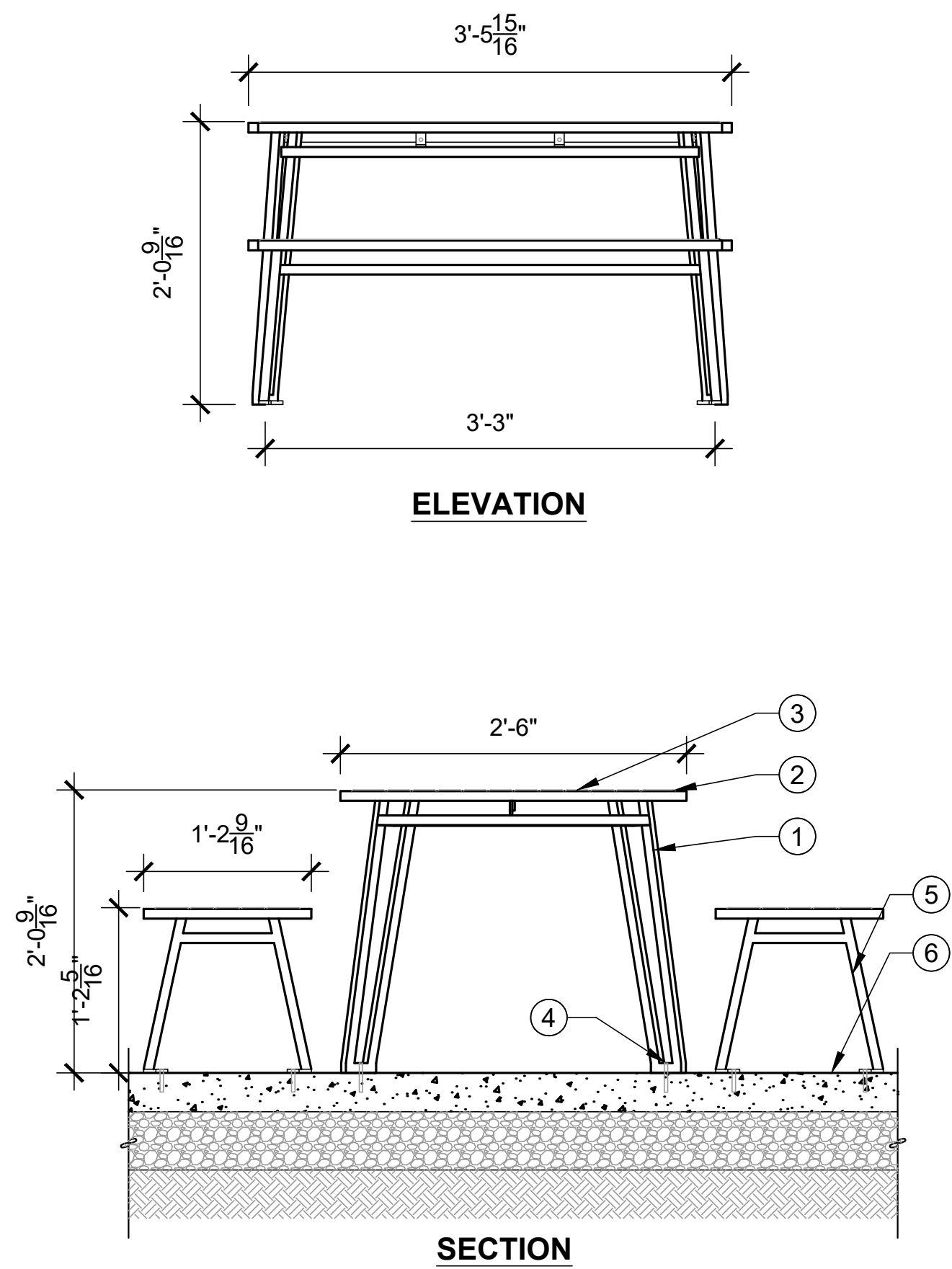
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WDID# 6B36C401591



LEGEND

- 1 1" SQUARE SOLID STEEL LEGS
- 2 1" X 3-1/2" WOOD SLATS (OUTER 2 SLATS)
- 3 1" X 2-1/2" WOOD SLATS
- 4 5/16" ANCHOR BOLT
- 5 ELLA BENCH, REFER TO DETAIL B/LC-05
- 6 CONCRETE PER PLANS, REFER TO DETAIL B/LC-03

NOTES:

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL FASTENERS SHALL BE STAINLESS STEEL AND TAMPERPROOF.
3. REFER TO LANDSCAPE CONSTRUCTION LEGEND ON SHEET LC-03 FOR COLORS AND FINISHES.

LEGEND

- 1 1" SQUARE SOLID STEEL LEGS
- 2 1" X 3-1/2" WOOD SLATS
- 3 1" X 2-1/2" WOOD SLATS
- 4 3/8" ANCHOR BOLT
- 5 CONCRETE PER PLANS, REFER TO DETAIL B/LC-03

NOTES:

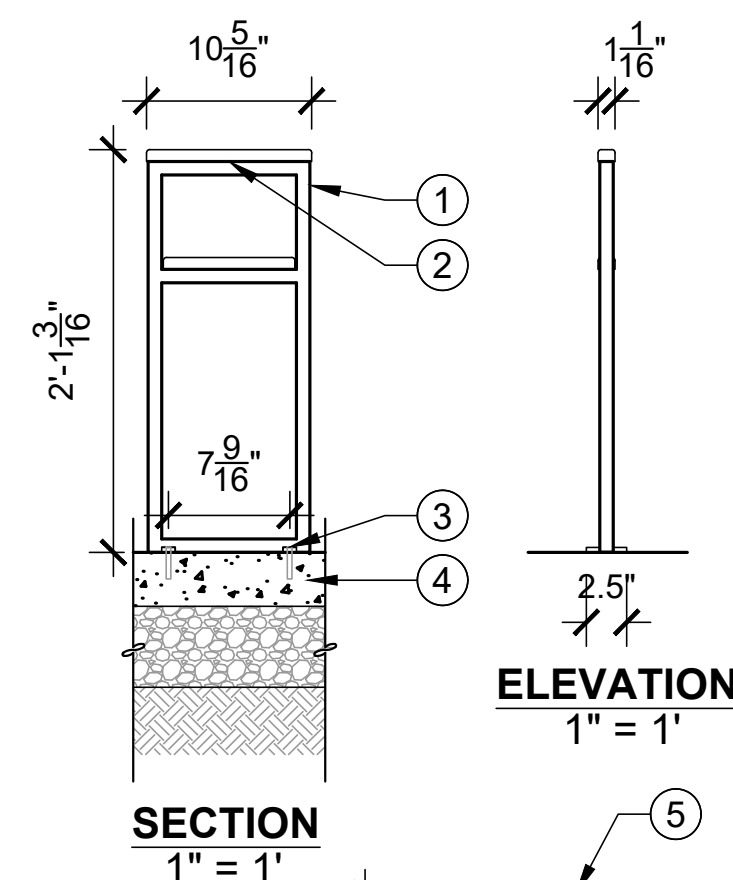
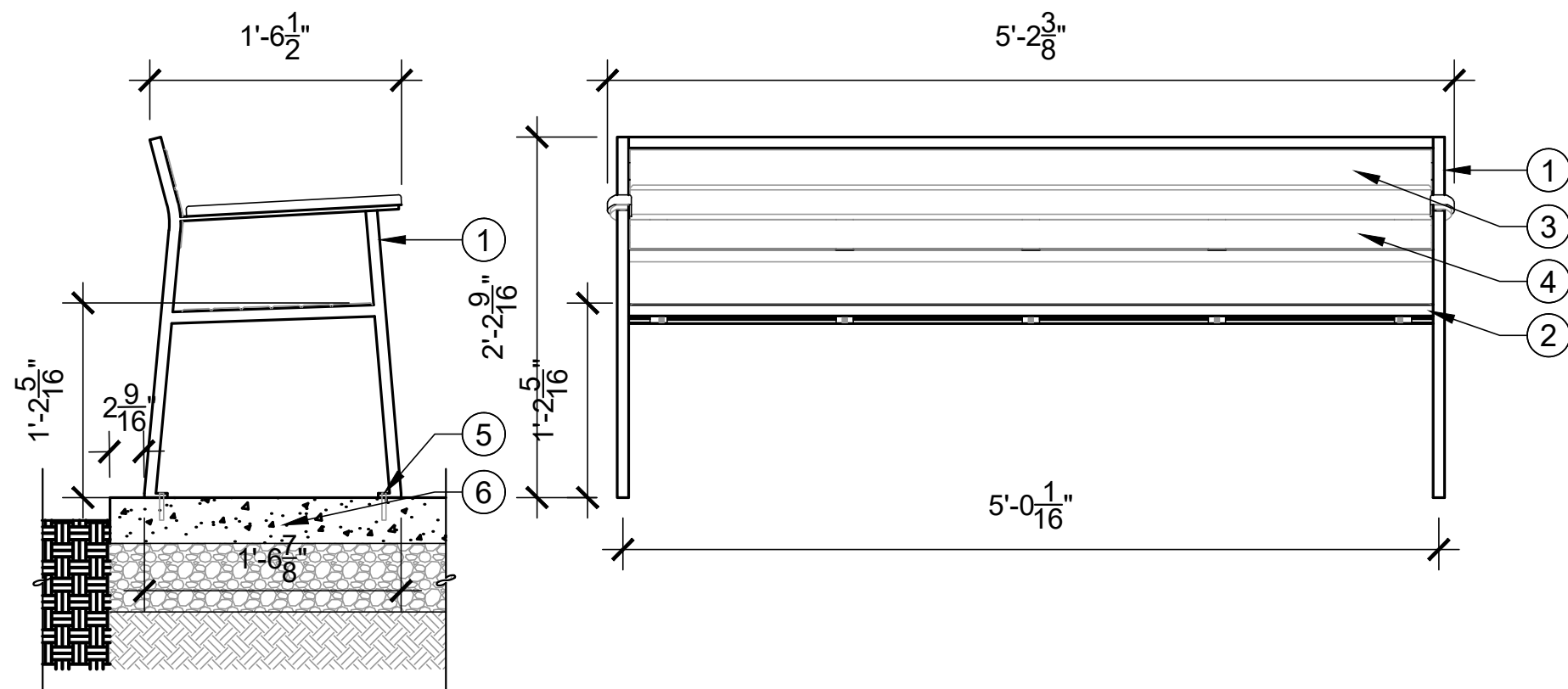
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3. REFER TO LANDSCAPE CONSTRUCTION LEGEND ON SHEET LC-03 FOR COLORS AND FINISHES.

1 4' PICNIC TABLE
SECTION | ELEVATION

SCALE: 1" = 1'

2 PICNIC TABLE BENCH
SECTION | ELEVATION

SCALE: 1" = 1'

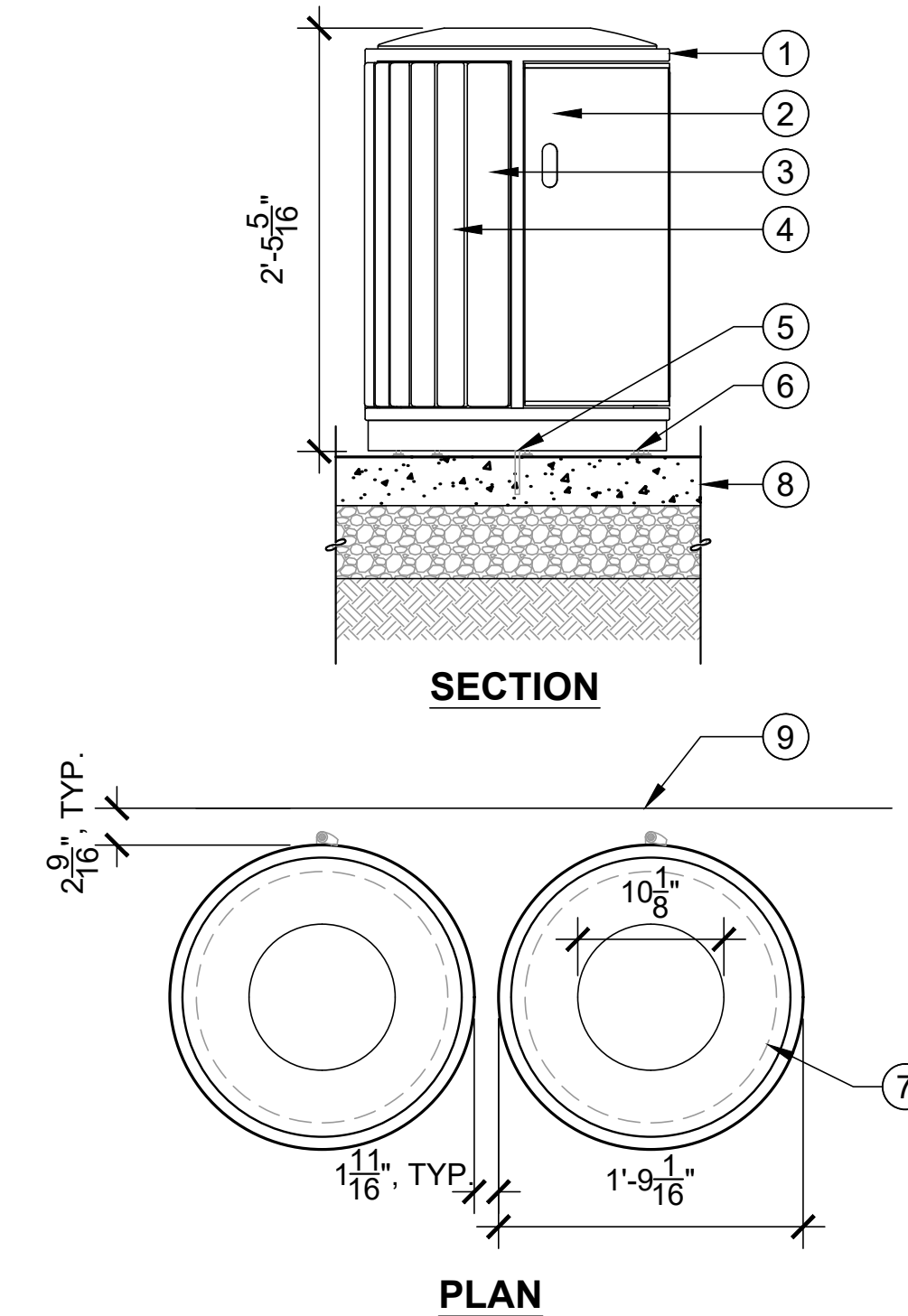


LEGEND

- 1 1" SQUARE SOLID STEEL FRAME
- 2 WOOD CAP
- 3 3/8" ANCHOR CAP AND BOLT
- 4 CONCRETE PER PLANS, REFER TO DETAIL B/LC-03
- 5 EDGE OF BUILDING, CURB OR PLANTER, WHERE OCCURS

NOTES:

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3. REFER TO LANDSCAPE CONSTRUCTION LEGEND ON SHEET LC-03 FOR COLORS AND FINISHES.



LEGEND

- 1 1" TUBULAR STEEL
- 2 STEEL SHEET
- 3 1" X 3-1/2" WOOD SLATS
- 4 1" X 2-1/2" WOOD SLATS
- 5 3/4" ANCHOR BOLT
- 6 LEVELING FEET WITH A 3/8" DIAMETER THREADED STEEL SHAFT
- 7 36 GALLON CAPACITY HIGH DENSITY PLASTIC LINER TO BE NO MORE THAN 6 POUNDS (UNDER LID)
- 8 CONCRETE PER PLANS, REFER TO DETAIL B/LC-03
- 9 EDGE OF BUILDING OR PLANTER, WHERE OCCURS

NOTES:

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3 BENCH
SECTION | ELEVATION

SCALE: 1" = 1'

4 BIKE RACK
SECTION | ELEVATION | PLAN

SCALE: VARIES

5 LITTER RECEPACLE
SECTION | PLAN

SCALE: 1" = 1'



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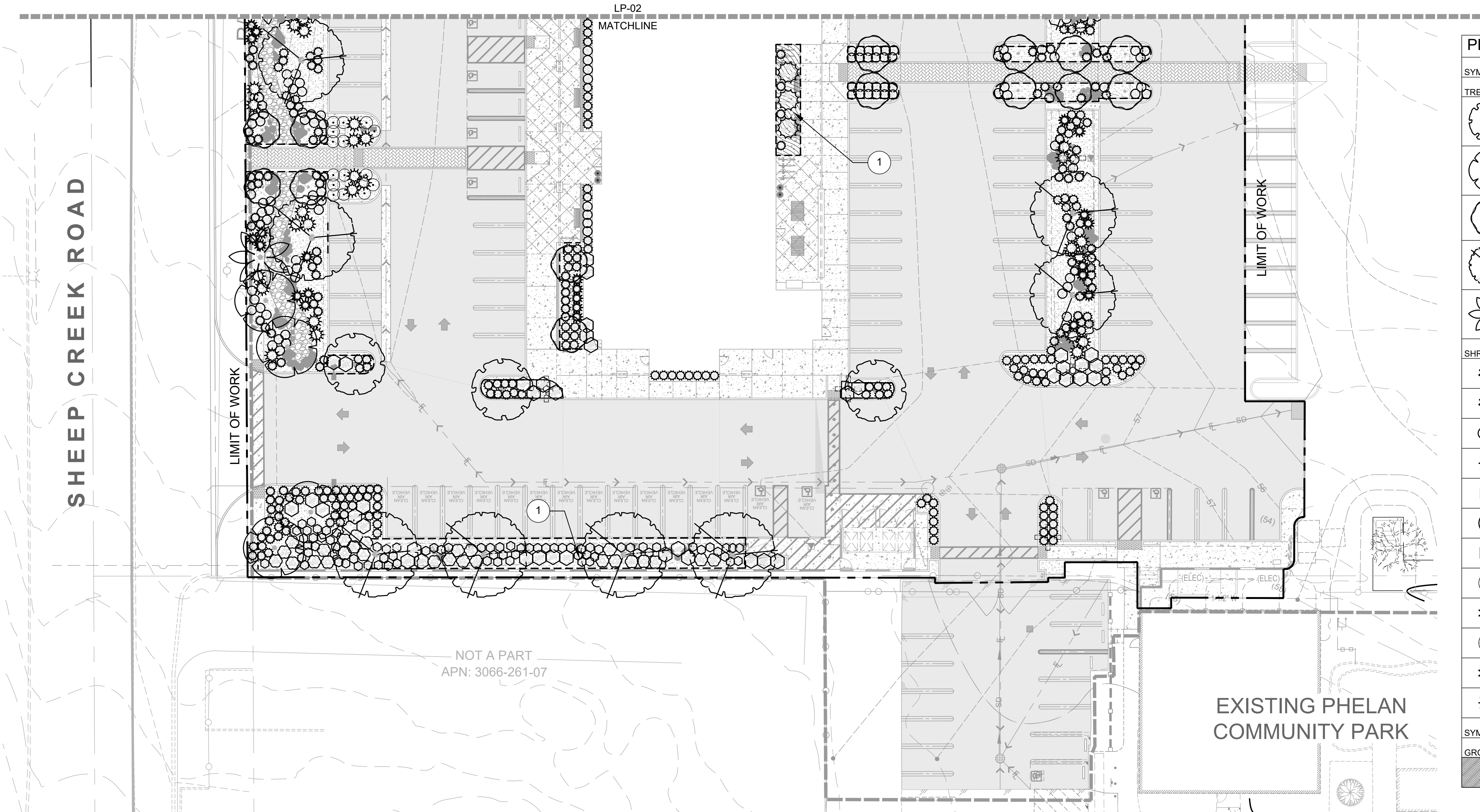
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PLANT SCHEDULE

| SYMBOL | BOTANICAL / COMMON NAME | CONT | QTY |
|--------|---|---------|-----|
| TREES | | | |
| | CERCIDIUM X 'DESERT MUSEUM' / DESERT MUSEUM PALO VERDE | 36" BOX | 12 |
| | CHILOPSIS LINEARIS / DESERT WILLOW | 36" BOX | 7 |
| | LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA' / TUSCARORA GRAPE MYRTLE | 24" BOX | 14 |
| | PROSOPIS CHILENSIS 'THORNLESS' / THORNLESS CHILEAN MESQUITE | 36" BOX | 19 |
| | WASHINGTONIA FILIFERA / CALIFORNIA FAN PALM | 24" BOX | 4 |

SHRUBS

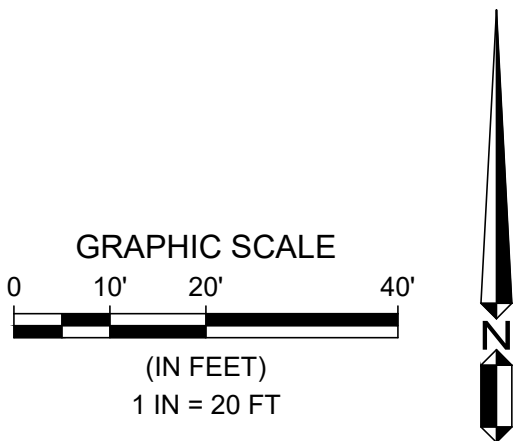
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| | AGAVE HAVARDIANA / HAVARD'S CENTURY PLANT | 5 GAL | 78 |
| | AGAVE PARRYI / PARRY'S AGAVE | 5 GAL | 98 |
| | BACCHARIS PILULARIS 'TWIN PEAKS' / TWIN PEAKS COYOTE BRUSH | 5 GAL | 81 |
| | DASYLIRION WHEELERI / GREY DESERT SPOON | 5 GAL | 50 |
| | ENCELIA FARINOSA / BRITTLEBUSH | 5 GAL | 182 |
| | HESPERALOE PARVIFLORA / RED YUCCA | 1 GAL | 156 |
| | LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS SAGE | 5 GAL | 80 |
| | MALEPHORA LUTEA / ROCKY POINT ICE PLANT | 1 GAL | 15 |
| | MUHLBERGIA CAPILLARIS / PINK MUHLY GRASS | 1 GAL | 303 |
| | SENECIO FLACCIDUS DOUGLASII / DOUGLAS' RAGWORT | 5 GAL | 3 |
| | YUCCA ALOIFOLIA / ALOE YUCCA | 15 GAL | 3 |
| | YUCCA WHIPPLEI / CHAPARRAL YUCCA | 5 GAL | 40 |

| SYMBOL | BOTANICAL / COMMON NAME | SPACING | QTY |
|---------------|--|----------|-----|
| GROUND COVERS | | | |
| | LANTANA MONTEVIDENSIS / TRAILING LANTANA | 36" o.c. | 29 |

| LEGEND | |
|--------|---|
| SYMBOL | DESCRIPTION |
| ----- | TREE ROOT BARRIER TYPICAL. REFER TO DETAIL AND SPECIFICATIONS |

| SHEET KEYNOTES | |
|----------------|--|
| KEY | DESCRIPTION |
| 1 | SOIL TEST SAMPLE LOCATION (5 TOTAL). REFER TO SPECIFICATIONS FOR TESTING PROCEDURE |

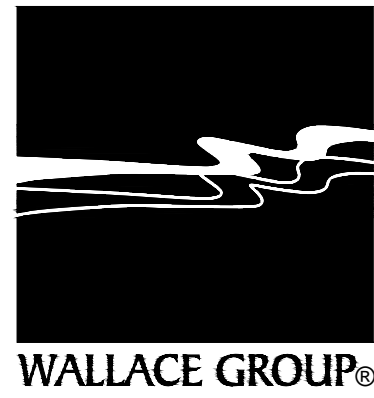
| SHEET NOTES | |
|-------------|--|
| 1. | REFER TO SHEET LP-02 FOR PLANTING NOTES. |
| 2. | REFER TO SHEET LP-03 FOR FULL PLANTING LEGEND. |
| 3. | REFER TO SHEET LP-04 FOR PLANTING DETAILS. |



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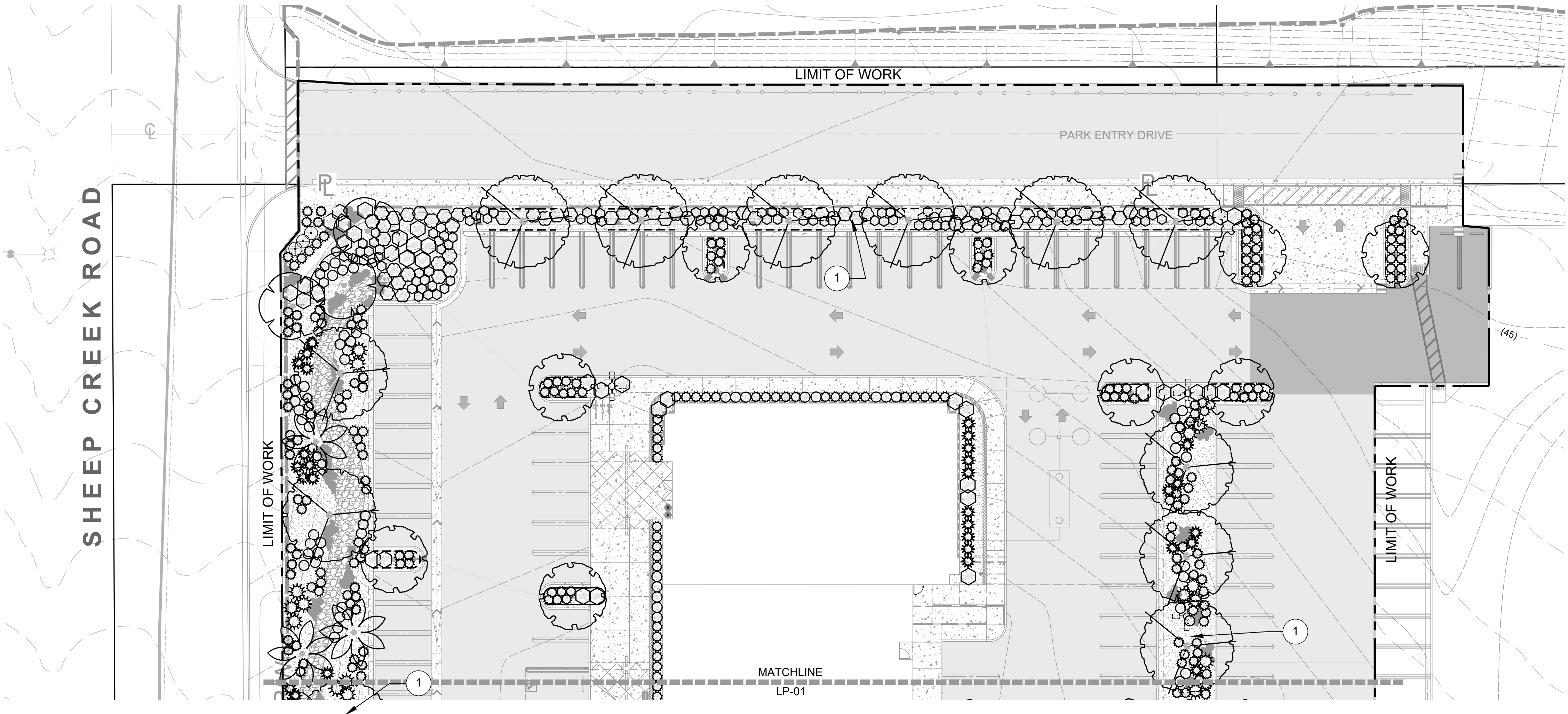
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• NEWNR-2021-00230
• WQMP-2021-00153

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| DRAWN BY: DATE: | PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18) | SCALE: AS SHOWN |
| DESIGNED BY: DATE: | | SHEET 13 OF 15 |
| APPROVED BY: DATE: | PLANTING PLAN | SHEET LP-01 |

WDID# 6B36C401591

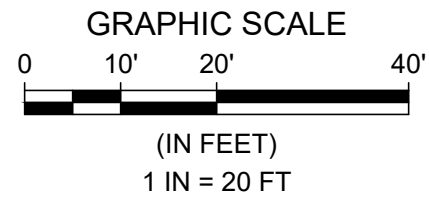


| LEGEND | |
|--------|---|
| SYMBOL | DESCRIPTION |
| ----- | TREE ROOT BARRIER TYPICAL. REFER TO DETAIL AND SPECIFICATIONS |

| SHEET KEYNOTES | |
|----------------|--|
| KEY | DESCRIPTION |
| ① | SOIL TEST SAMPLE LOCATION (5 TOTAL). REFER TO SPECIFICATIONS FOR TESTING PROCEDURE |

| SHEET NOTES | |
|-------------|--|
| 1. | REFER TO SHEET LP-02 FOR PLANTING NOTES. |
| 2. | REFER TO SHEET LP-03 FOR FULL PLANTING LEGEND. |
| 3. | REFER TO SHEET LP-04 FOR PLANTING DETAILS. |

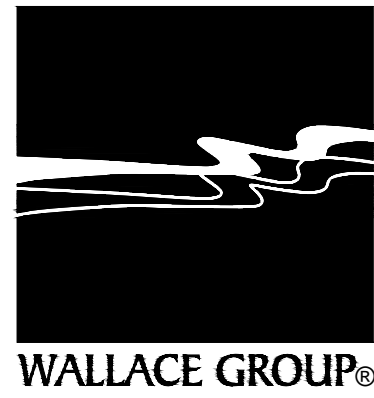
| PLANT SCHEDULE | | | | |
|----------------|---|---------|----------|-----|
| SYMBOL | BOTANICAL / COMMON NAME | CONT | | QTY |
| TREES | | | | |
| | CERCIDIUM X 'DESERT MUSEUM' / DESERT MUSEUM PALO VERDE | 36" BOX | | 12 |
| | CHILOPSIS LINEARIS / DESERT WILLOW | 36" BOX | | 7 |
| | LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA' / TUSCARORA CRAPE MYRTLE | 24" BOX | | 14 |
| | PROSOPIS CHILENSIS 'THORNLESS' / THORNLESS CHILEAN MESQUITE | 36" BOX | | 19 |
| | WASHINGTONIA FILIFERA / CALIFORNIA FAN PALM | 24" BOX | | 4 |
| SHRUBS | | | | |
| | AGAVE HAVARDIANA / HAVARD'S CENTURY PLANT | 5 GAL | | 78 |
| | AGAVE PARRYI / PARRY'S AGAVE | 5 GAL | | 98 |
| | BACCHARIS PILULARIS 'TWIN PEAKS' / TWIN PEAKS COYOTE BRUSH | 5 GAL | | 81 |
| | DASYLIRION WHEELERI / GREY DESERT SPOON | 5 GAL | | 50 |
| | ENCELIA FARINOSA / BRITTLEBUSH | 5 GAL | | 182 |
| | HESPERALOE PARVIFLORA / RED YUCCA | 1 GAL | | 156 |
| | LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS SAGE | 5 GAL | | 80 |
| | MALEPHORA LUTEA / ROCKY POINT ICE PLANT | 1 GAL | | 15 |
| | MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS | 1 GAL | | 303 |
| | SENECIO FLACCIDUS DOUGLASII / DOUGLAS' RAGWORT | 5 GAL | | 3 |
| | YUCCA ALOIFOLIA / ALOE YUCCA | 15 GAL | | 3 |
| | YUCCA WHIPPLEI / CHAPARRAL YUCCA | 5 GAL | | 40 |
| SYMBOL | BOTANICAL / COMMON NAME | | SPACING | QTY |
| GROUND COVERS | | | | |
| | LANTANA MONTEVIDENSIS / TRAILING LANTANA | | 36" o.c. | 29 |



BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD, FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

Bid Set - PPHCSD Civic Center Phase 1 - Landscape Plans

| NO. | REVISION | DATE | BY |
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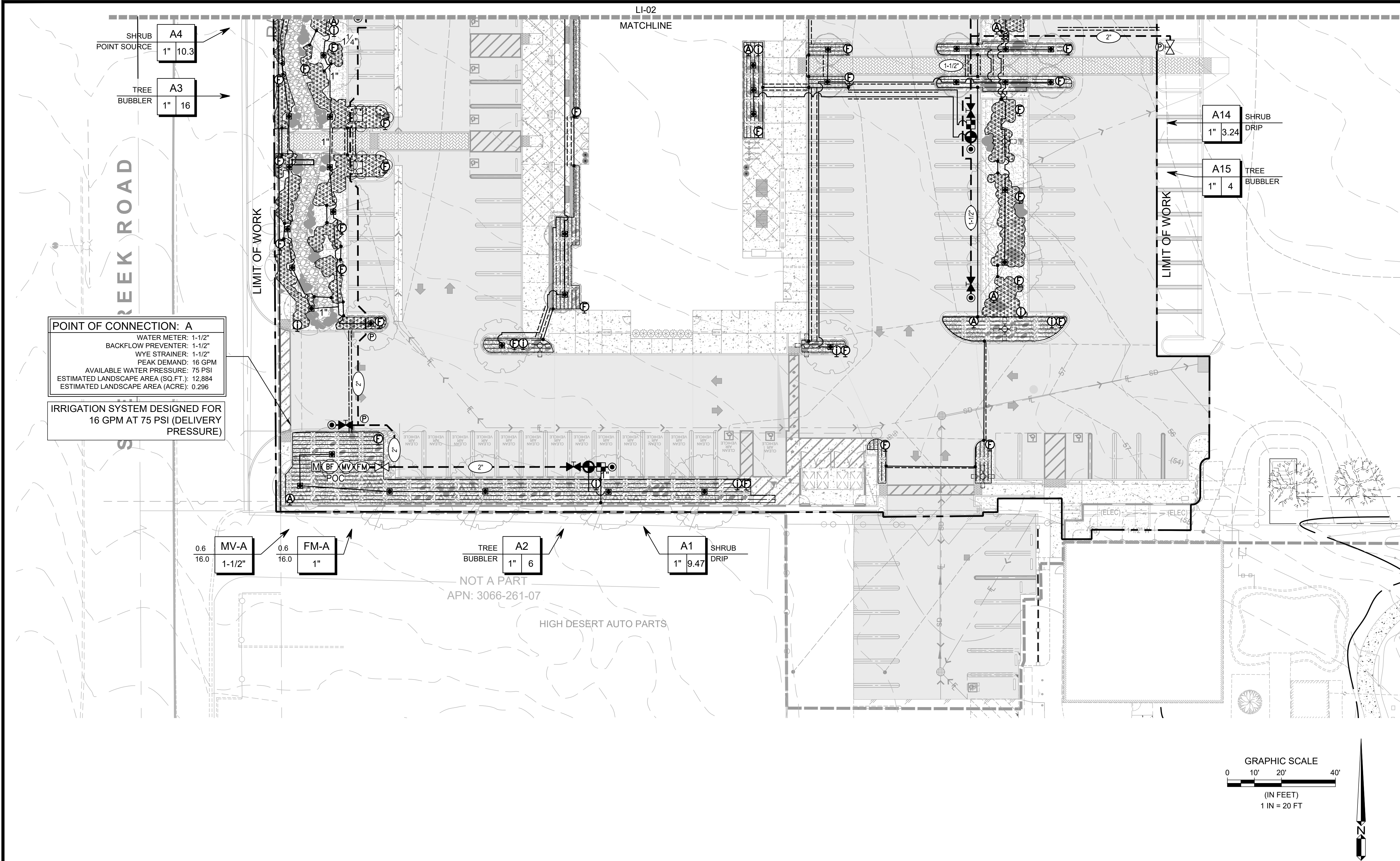
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| RECOMMENDED/APPROVED BY: | | | ASST. DIRECTOR OF PUBLIC WORKS |
| LAND DEVELOPMENT ENGINEER | DATE | DIRECTOR OF PUBLIC WORKS | DATE |

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| DESIGNED BY: DATE: | | SHEET 13 OF 15 |
| APPROVED BY: DATE: | | SHEET LP-02 |

PLANTING PLAN

WDID# 6B36C401591



| IRRIGATION REFERENCE LEGEND | |
|-----------------------------|--|
| SYMBOL | DESCRIPTION |
| | 4" POP-UP TREE BUBBLER SYSTEM (2 BUBBLERS PER TREE / SYMBOL) |
| | WATER METER |
| | POINT OF CONNECTION |
| | BACKFLOW PREVENTER |
| | WYE STRAINER |
| | MASTER VALVE |
| | FLOW METER |
| | SITE IRRIGATION CONTROLLER (WALL MOUNT, EXT.) LOCATION TO BE DETERMINED |
| | BALL VALVE (MAINLINE ISOLATION VALVE) |
| | BALL VALVE (MANIFOLD ISOLATION VALVE) |
| | REMOTE CONTROL VALVE |
| | DRIP REMOTE CONTROL VALVE ASSEMBLY |
| | QUICK COUPLING VALVE |
| | POINT SOURCE IRRIGATION |
| | SUBSURFACE INLINE DRIP EMITTER TUBING |
| | DRIP AIR / VACUUM RELIEF VALVE |
| | DRIP FLUSH VALVE |
| | DRIP OPERATION / PRESSURE INDICATOR |
| | DRIP TO PVC TRANSITION FITTINGS |
| | IRRIGATION MAINLINE |
| | IRRIGATION LATERAL LINE |
| | PIPE SLEEVE |
| | WIRE CONDUIT |
| | PULL BOX |

| IRRIGATION KEY NOTES | |
|----------------------|--|
| 1 | SHOWN DIAGRAMMATICALLY FOR DRAWING CLARITY. INSTALL VALVE MANIFOLD (BALL VALVE, REMOTE CONTROL VALVE AND QUICK COUPLING VALVE) AND IRRIGATION MAINLINE / WIRES IN PLANTING AREA, TYPICAL |
| 2 | SYSTEM SPLIT |
| 3 | PULL 5 FEET LENGTH OF 2-WIRE CABLE COILED NEATLY INSIDE PULL BOX FOR FUTURE SYSTEM EXPANSION (REFER TO ADJACENT PROJECT NOT IN CONTRACT) |
| 4 | PROPOSED WATER METER, REFERENCE ARCHITECTURAL AND CIVIL DRAWINGS |

| LATERAL PIPE SIZING GUIDE | | | | |
|---|---|--------|-------------|----------|
| UNLESS NOTED OTHERWISE, SIZE LATERAL PIPE AS FOLLOWS: | | | | |
| 0 - 7 GPM | - | 3/4" | 21 - 30 GPM | - 1-1/2" |
| 8 - 14 GPM | - | 1" | 31 - 50 GPM | - 2" |
| 15 - 20 GPM | - | 1-1/4" | 51 + GPM | - 2-1/2" |

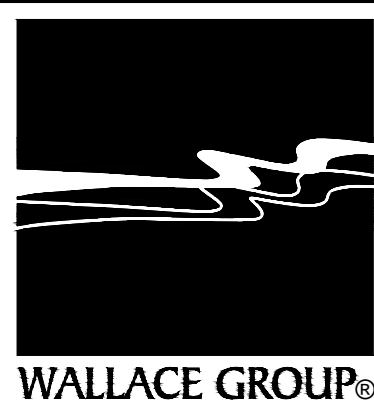
| SHEET NOTES | |
|-------------|--|
| 1. | REFER TO SHEET LI-06 OR IRRIGATION NOTES AND WATER USE CALCULATIONS. |
| 2. | REFER TO SHEETS LI-03 - LI-05 FOR IRRIGATION DETAILS. |
| 3. | IRRIGATION MAINLINE, SPRINKLER HEADS AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. MAINLINE AND VALVES SHALL NOT BE PLACED IN PAVED AREAS. INSTALL MAINLINE WHENEVER POSSIBLE 18" FROM WALKS, CURBS AND WALLS. |



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Bid Set - PPHCSD Civic Center Phase 1 - Landscape Plans

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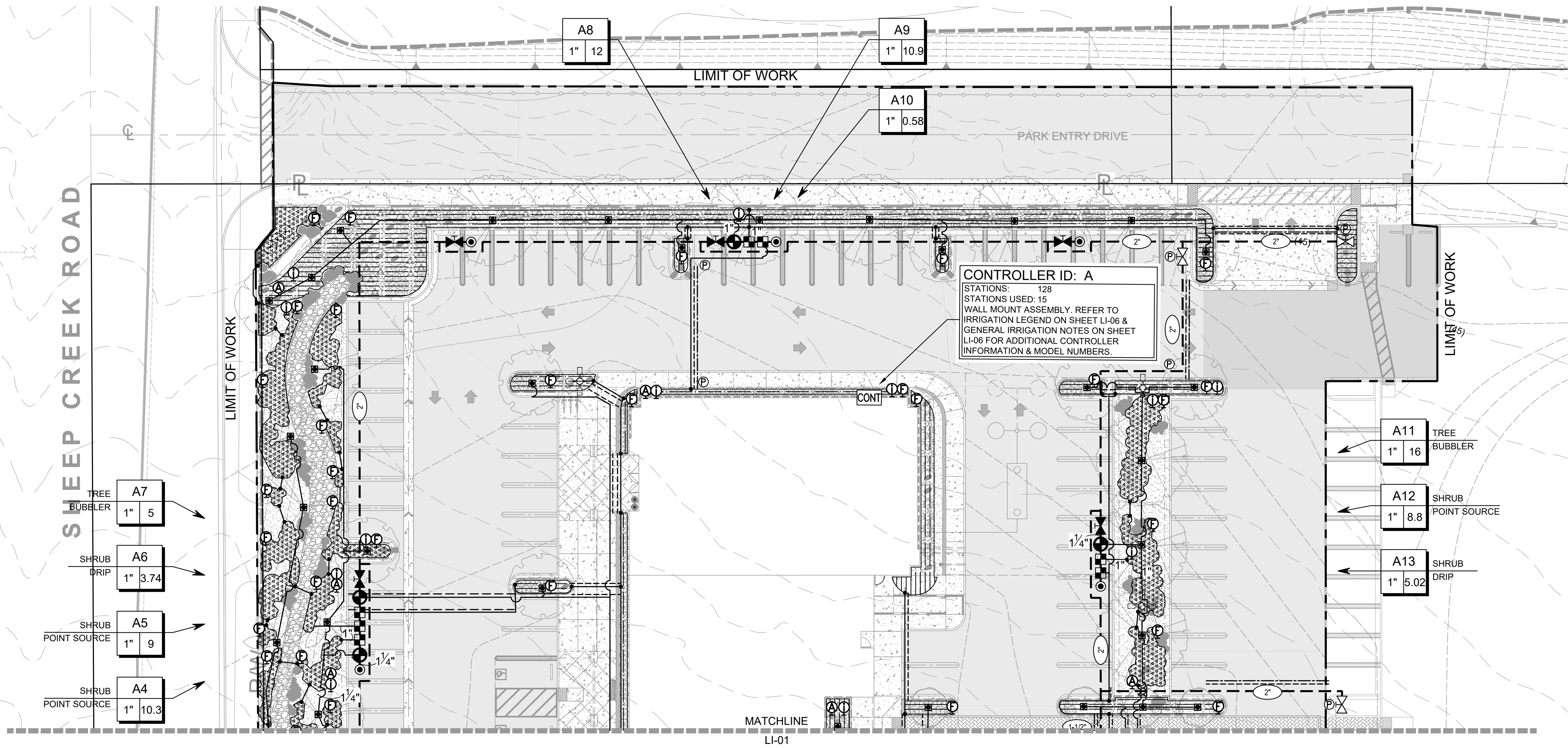
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| LAND DEVELOPMENT ENGINEER | | DIRECTOR OF PUBLIC WORKS | |
| DATE | DATE | DATE | DATE |

WDID# 6B36C401591

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| DESIGNED BY: DATE: | | SHEET 13 OF 15 |
| APPROVED BY: DATE: | IRRIGATION PLAN | SHEET LI-01 |



| IRRIGATION REFERENCE LEGEND | |
|-----------------------------|---|
| SYMBOL | DESCRIPTION |
| | 4" POP-UP TREE BUBBLER SYSTEM (2 BUBBLERS PER TREE / SYMBOL) |
| | WATER METER |
| | POINT OF CONNECTION |
| | BACKFLOW PREVENTER |
| | WYE STRAINER |
| | MASTER VALVE |
| | FLOW METER |
| | SITE IRRIGATION CONTROLLER (WALL MOUNT, EXT.) LOCATION TO BE DETERMINED |
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| | DRIP OPERATION / PRESSURE INDICATOR |
| | DRIP TO PVC TRANSITION FITTINGS |
| | IRRIGATION MAINLINE |
| | IRRIGATION LATERAL LINE |
| | PIPE SLEEVE |
| | WIRE CONDUIT |
| | PULL BOX |

| IRRIGATION KEY NOTES | |
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| 1 | SHOWN DIAGRAMMATICALLY FOR DRAWING CLARITY. INSTALL VALVE MANIFOLD (BALL VALVE, REMOTE CONTROL VALVE AND QUICK COUPLING VALVE) AND IRRIGATION MAINLINE / WIRES IN PLANTING AREA. TYPICAL |
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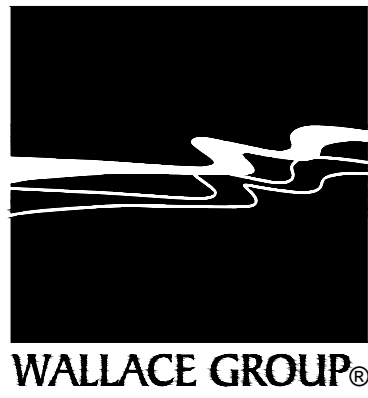
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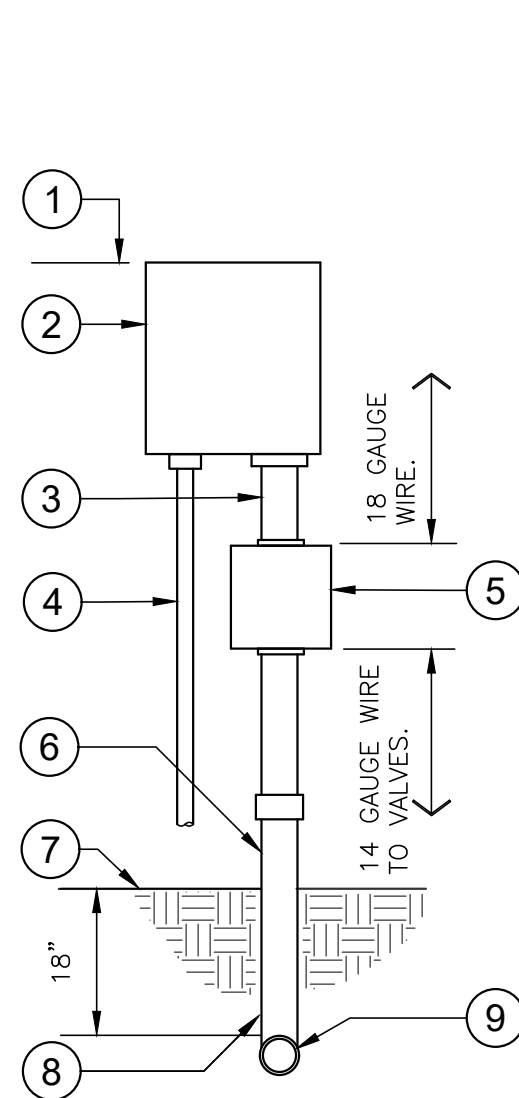
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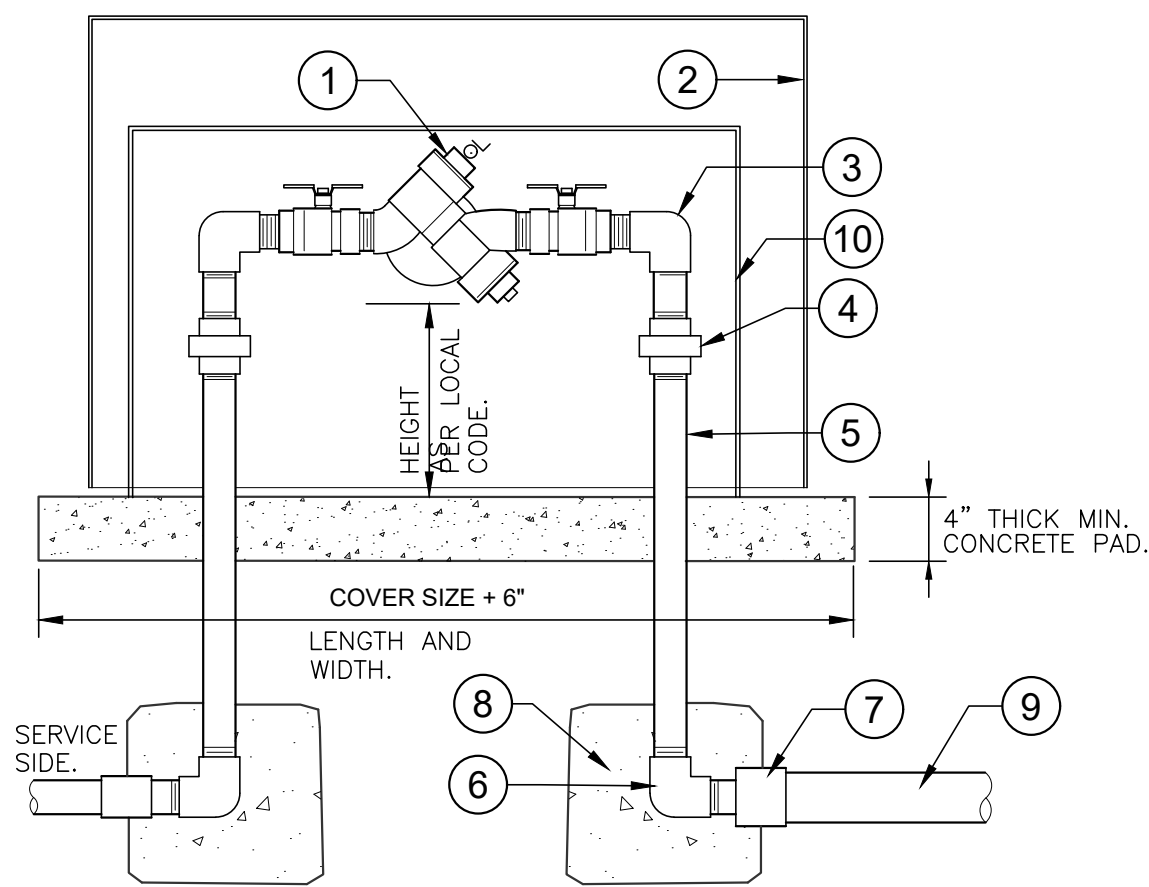
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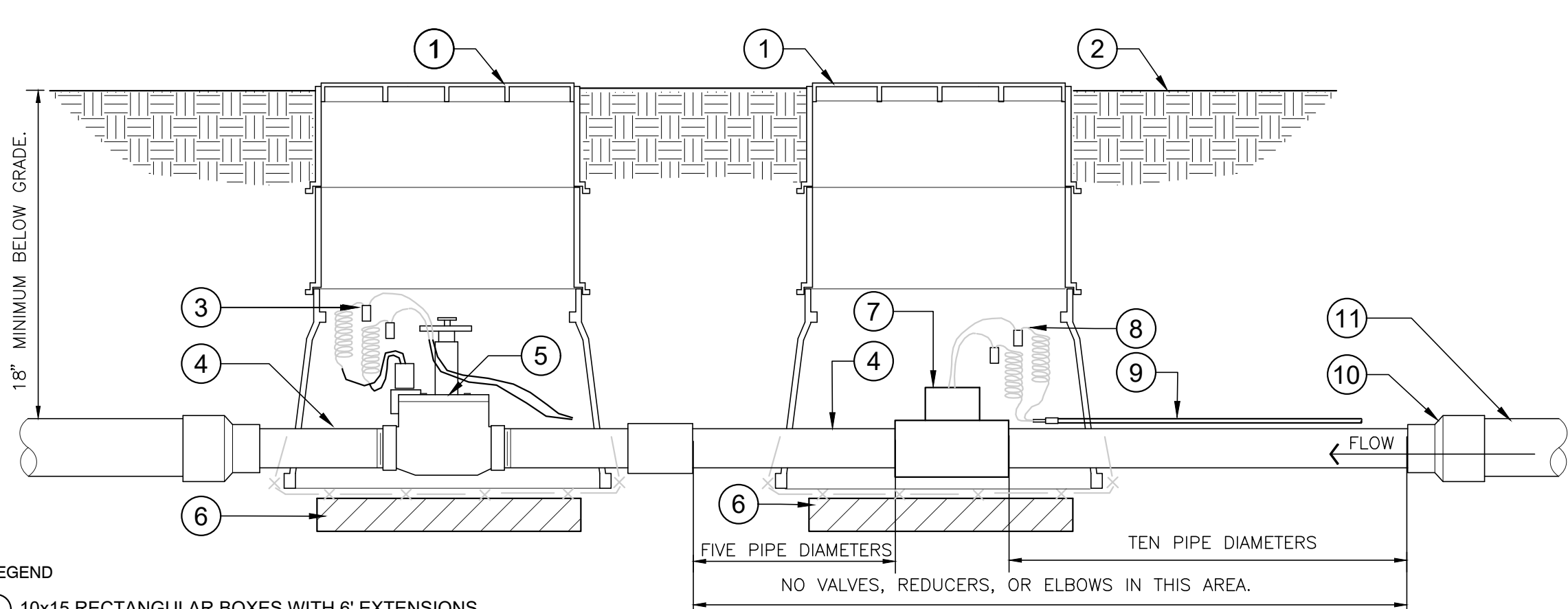
LEGEND:

- 1 SET THE CONTROLLER 60" ABOVE FINISHED GRADE IN A WATERPROOF ENCLOSURE UNLESS OTHERWISE NOTED
- 2 CONTROLLER AS SPECIFIED. SECURELY BOLT CONTROLLER TO WALL. INSTALL BACKUP BATTERIES AS REQUIRED. GROUND AS PER MANUFACTURER'S SPECIFICATIONS.
- 3 2" DIAMETER RIGID STEEL CONDUIT FOR RCV WIRES
- 4 1/2" DIA. RIGID STEEL CONDUIT FOR 110 VAC ELECTRICAL SOURCE. INSTALL AS PER LOCAL ELECTRICAL CODES
- 5 12" X 12" X 4" STEEL JUNCTION BOX. GROUP WIRE BUNDLES AND SPLICE TO 18 GA. WIRES WITH TERMINAL STRIP AS PER SPECIFICATIONS
- 6 2" DIAMETER RIGID STEEL CONDUIT FOR RCV WIRES
- 7 FINISHED GRADE
- 8 LONG SWEEP ELL
- 9 USE PVC SCH. 40 BELOW GRADE



LEGEND:

- 1 REDUCED PRESSURE BACKFLOW DEVICE AS SPECIFIED
- 2 BACKFLOW COVER AS SPECIFIED
- 3 GALVANIZED NIPPLES AND ELL AS REQUIRED
- 4 GALVANIZED UNIONS AT EACH SIDE
- 5 GALVANIZED RISERS
- 6 GALVANIZED ELL AND NIPPLE, TYPICAL
- 7 PVC COUPLER OR REDUCER AS REQ., TYP.
- 8 CONCRETE THRUST BLOCKS, 90 LBS. OF CONCRETE EACH
- 9 MAIN LINE, SIZE AS PER PLANS
- 10 INSULATED FROST BLANKET



LEGEND:

- 1 10x15 RECTANGULAR BOXES WITH 6" EXTENSIONS AS INDICATED
- 2 FINISHED GRADE
- 3 WATERPROOF WIRE CONNECTORS, ON 30" LOOPED WIRES
- 4 SCH 80 NIPPLES, VALVE INLET SIZE
- 5 MASTER CONTROL VALVE AS SPECIFIED
- 6 AT BOTTOM OF EACH BOX: 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES, OVER 6X2X16 CONC. BLOCK CAPS, ONE ON EACH SIDE (TWO PER BOX)
- 7 FLOW SENSOR AS SPECIFIED
- 8 WATERPROOF WIRE CONNECTORS ON 18" LOOPED WIRES
- 9 EV-CAB-SEN CABLE TO CONTROLLER SENSOR TERMINAL BOARD "PC-DX2ST"
- 10 REDUCE AS REQUIRED
- 11 PVC MAIN LINE TO BACKFLOW DEVICE

1 WALL MOUNT CONTROLLER

1" = 1'-0"

328409.13-11

2 RP BACKFLOW ASSEMBLY W/ ENCLOSURE

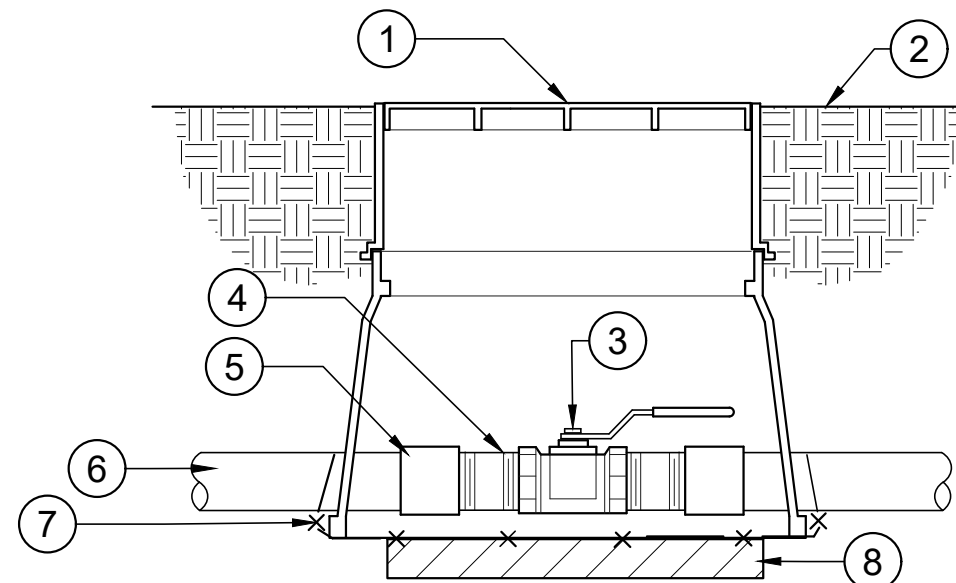
1" = 1'-0"

328409.46-10

3 MASTER VALVE/FLOW SENSOR ASSEMBLY

1 1/2" = 1'-0"

328406.23-02



LEGEND:

- 1 10"x15" RECTANGULAR BOX WITH 6" EXTENSION
- 2 SET BOX FLUSH TO GRADE
- 3 ISOLATION BALL VALVE AS SPECIFIED, SAME SIZE AS MAIN LINE
- 4 SCHEDULE 80 THREADED NIPPLE AS REQUIRED
- 5 ADAPTER
- 6 PVC MAIN LINE
- 7 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES
- 8 TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF BOX

4 BRASS BALL ISOLATION VALVE

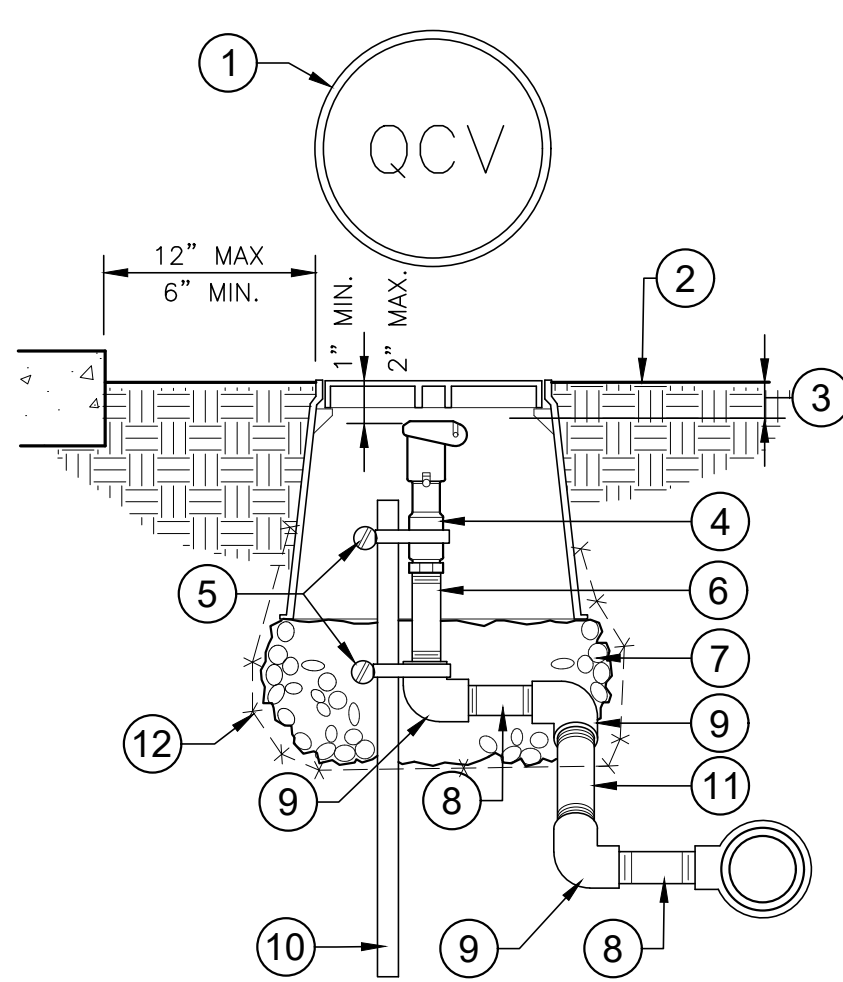
1 1/2" = 1'-0"

328406.33-02

5 REMOTE CONTROL VALVE ASSEMBLY

1 1/2" = 1'-0"

FX-IR-FX-RCV-01



LEGEND:

- 1 10" DIAMETER VALVE BOX, HEAD BRAND "QCV" ON LID WITH 2" HIGH CHARACTERS
- 2 FINISHED GRADE
- 3 FLUSH IN LAWN AREAS, 2" IN SHRUB AREAS
- 4 QUICK COUPLING VALVE AS SPECIFIED
- 5 TWO STAINLESS STEEL CLAMPS
- 6 GALV. NIPPLE, LENGTH AS REQ.
- 7 6" DEEP LAYER OF 3/4" CRUSHED ROCK
- 8 3" PVC SCHEDULE 80 NIPPLE
- 9 THREE PVC SCH 80 ELLS
- 10 1/2" X 36" GALV. STEEL PIPE
- 11 12" PVC SCHEDULE 80 NIPPLE
- 12 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES

6 QUICK COUPLING VALVE ASSEMBLY

1 1/2" = 1'-0"

328406.43-02

7 THRUST BLOCKING

3/4" = 1'-0"

FX-IR-FX-AUXEQ-11



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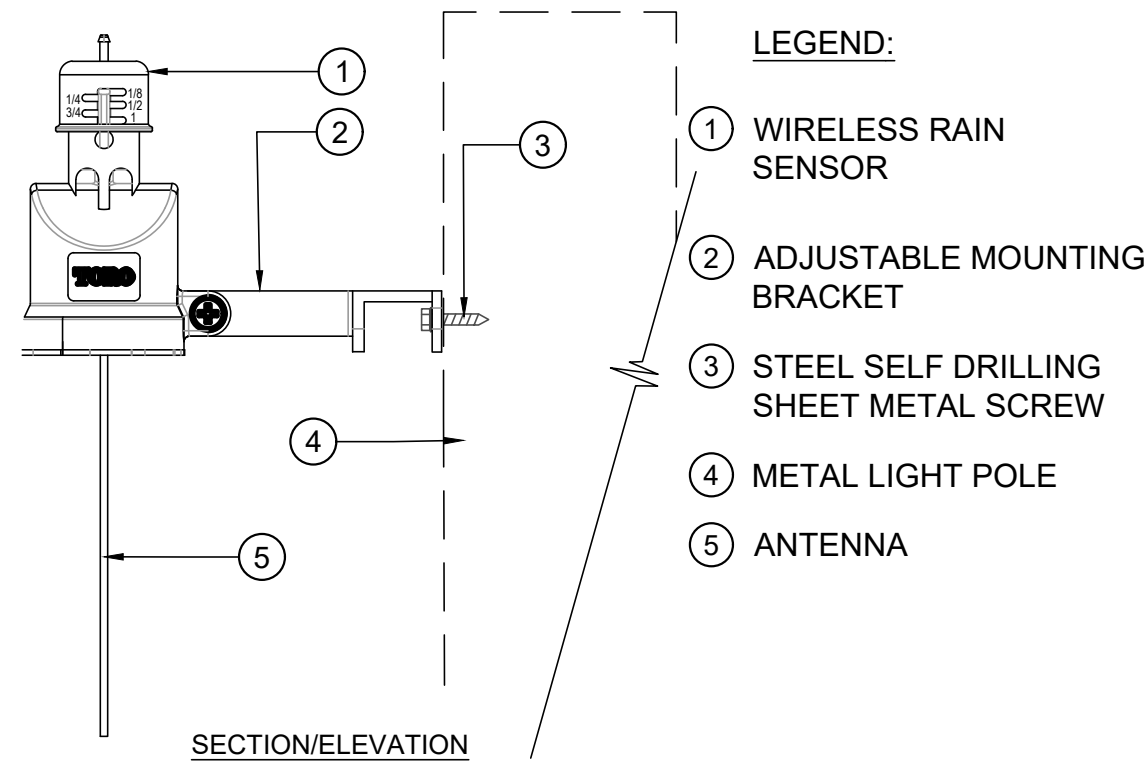
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| APPROVED BY: DATE: | IRRIGATION DETAILS | SHEET LI-03 |

WDID# 6B36C401591



LEGEND:

- 1 WIRELESS RAIN SENSOR
- 2 ADJUSTABLE MOUNTING BRACKET
- 3 STEEL SELF DRILLING SHEET METAL SCREW
- 4 METAL LIGHT POLE
- 5 ANTENNA

SECTION/ELEVATION

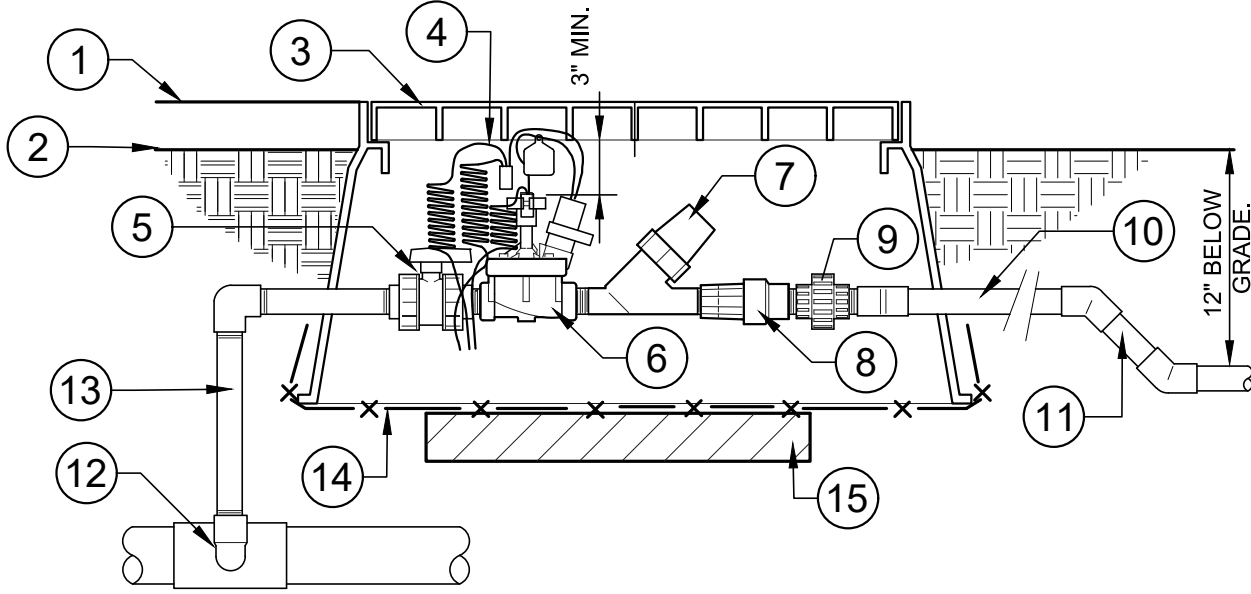
NOTES:

- A. MOUNT SENSOR VERTICALLY. AVOID PLACEMENT UNDER EVE OR TREE CANOPY. LOCATE WITHIN 300 FEET OF SENSOR RECEIVER AND CONTROLLER.
- B. MOUNT SENSOR A MINIMUM OF 12-FEET ABOVE FINISHED GRADE ON WEST SIDE OF LIGHT POLE. SEE PLAN FOR LOCATION.
- C. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- D. DO NOT SCALE DRAWINGS.
- E. CONTRACTOR NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT: www.CADdetails.com/info REFERENCE NUMBER 065-256b.

1 WIRELESS RAIN/FREEZE SENSOR ASSEMBLY

NOT TO SCALE

328409.65-07

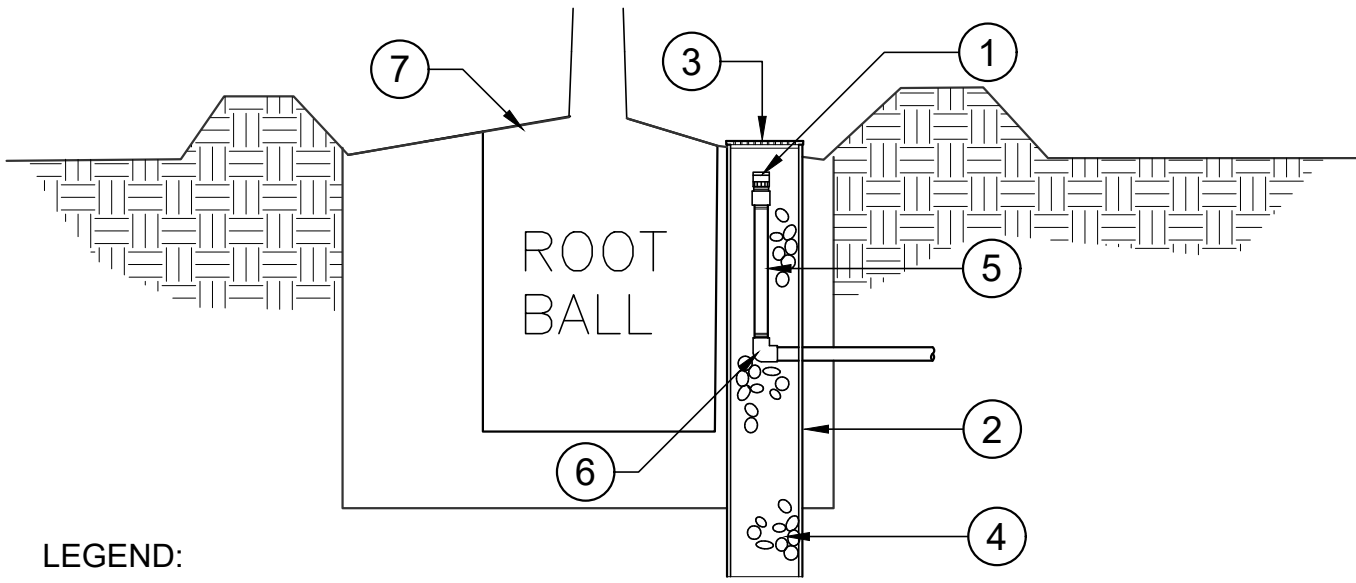


- LEGEND:
- 1 SET BOX FLUSH AT TURF
 - 2 3" ABOVE GRADE AT SHRUBS
 - 3 20" X 14" JUMBO PLASTIC VALVE BOX. HEAT BRAND "RCV" AND VALVE NUMBER WITH 2" HIGH LETTERS
 - 4 CONTROLLER WIRE WITH 30" LINEAR LENGTH OF COIL WITH PLASTIC I.D. TAG PER VALVE AND WATERPROOF CONNECTORS
 - 5 PVC TRUE UNION BALL VALVE
 - 6 RCV AS SPECIFIED
 - 7 FILTER AS SPECIFIED
 - 8 PRESSURE REGULATOR AS SPECIFIED
 - 9 PVC UNION W/ SHORT NIPPLES
 - 10 OUTLET PIPE SAME SIZE AS VALVE, 24" MIN. LENGTH TO FIRST FITTING
 - 11 45" DOWN AS REQ. TO LATERAL PIPE DEPTH.
 - 12 SXT TEE W/ 2" NIPPLE AT MAINLINE
 - 13 SCH. 80 RISER
 - 14 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES
 - 15 TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX.

5 1" DRIP VALVE/FILTER/REGULATOR ASSEMBLY

1 1/2" = 1'-0"

328413.76-05



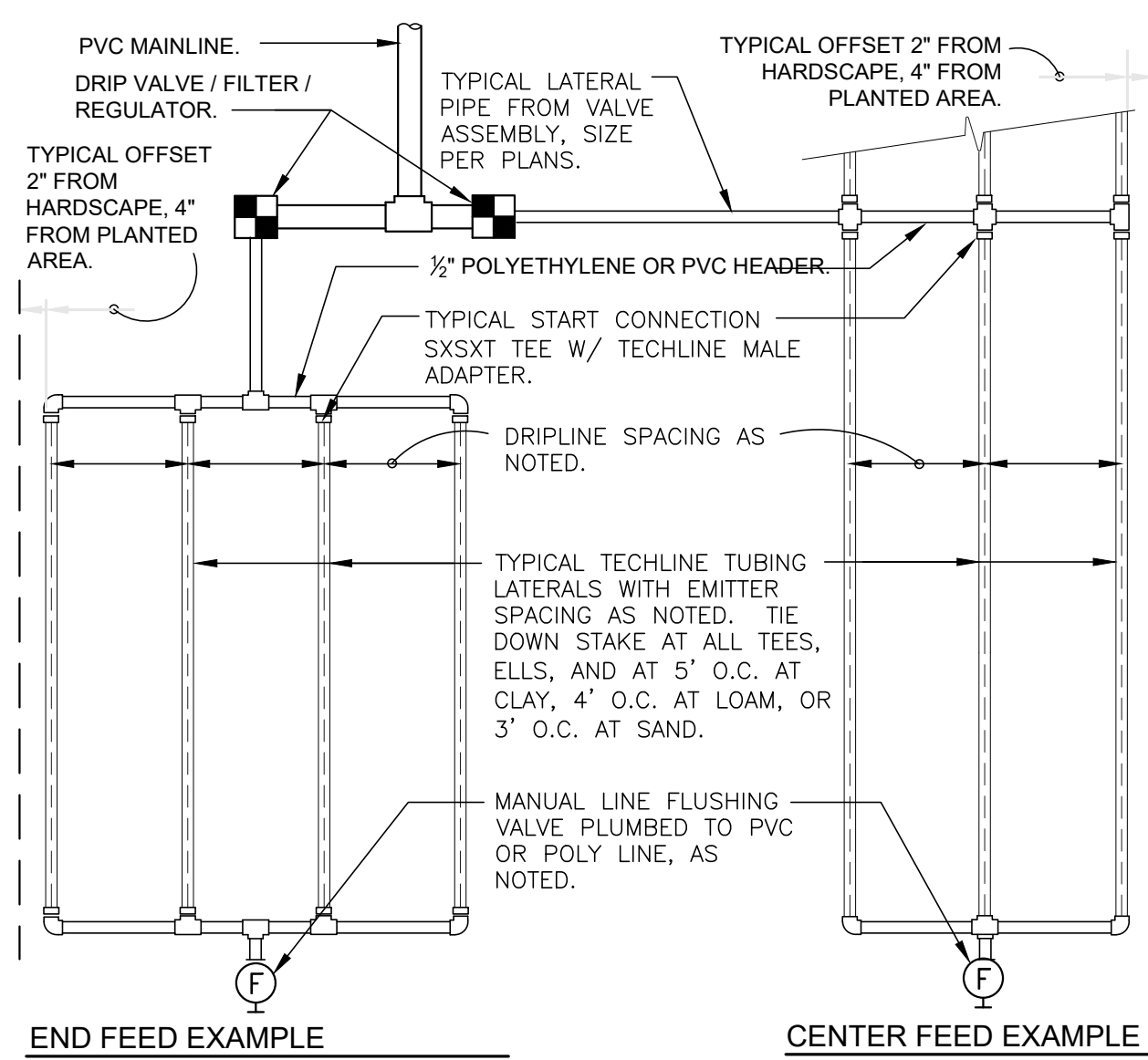
LEGEND:

- 1 BUBBLER HEAD, PLACE INSIDE PERFORATED PIPE UNDER GRATE CAP
- 2 ROOT WATERING TUBE
- 3 LOCKING GRATE CAP. TOP OF CAP SHALL BE A MINIMUM OF 1/2 INCH ABOVE FINISHED GRADE
- 4 FILL TUBE WITH ROUNDED DRAIN ROCK TO JUST BELOW BUBBLER CONNECTION
- 5 THREADED SCH 80 RISER, LENGTH AS REQUIRED
- 6 THREAD/SPLIT ELL
- 7 TREE PLANTING AS INDICATED ON PLANTING DETAILS

2 ROOT WATERING SYSTEM

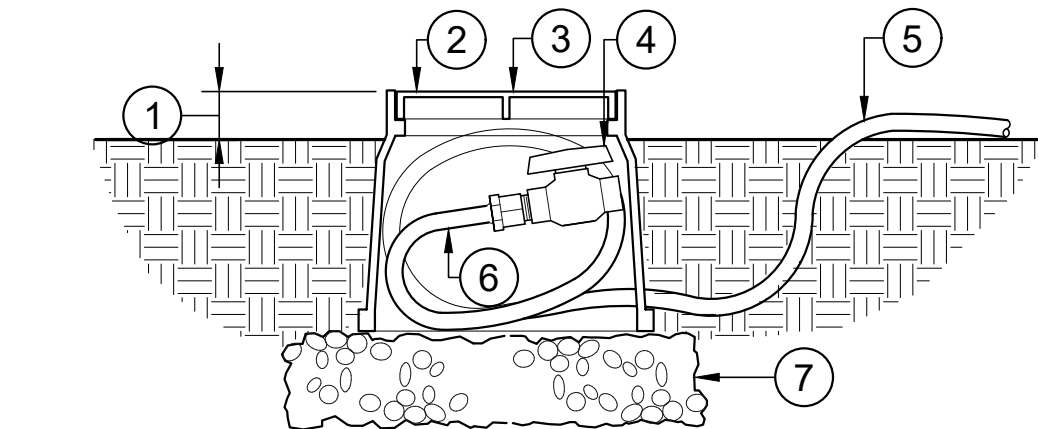
3/16" = 1'-0"

328403.53-07



END FEED EXAMPLE

CENTER FEED EXAMPLE



LEGEND:

- 1 SET VALVE BOX 2" ABOVE FINISHED GRADE
- 2 10" DIAMETER VALVE BOX
- 3 1/2" DRIP TUBING TO 3/4" FPT ADAPTER
- 4 3/4" PVC BALL VALVE WITH SHORT NIPPLE
- 5 1/2" DRIP TUBING
- 6 COIL 24" TO 30" OF DRIP TUBING IN THE BOX
- 7 4" THICK LAYER OF WASHED GRAVEL. THE BOX SHALL REST UPON THE ROCK BED. DO NOT EXTEND GRAVEL INTO BOX

NOTES:

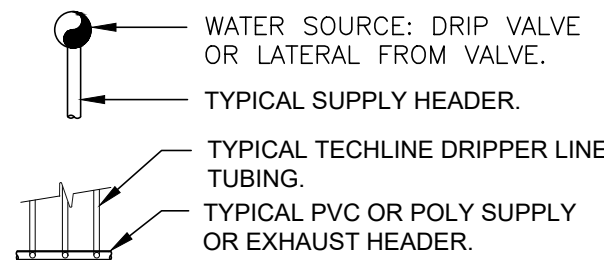
- A. LOCATE FLASH VALVE ASSEMBLY AT THE END OF EACH DRIP LINE.
- B. ENSURE THAT THE COILED DRIP TUBING IS OF SUFFICIENT LENGTH TO COMPLETELY EXTEND OUT OF THE VALVE BOX WHEN FLUSHING.

3 DRIP LINE FLUSHING VALVE ASSEMBLY

1 1/2" = 1'-0"

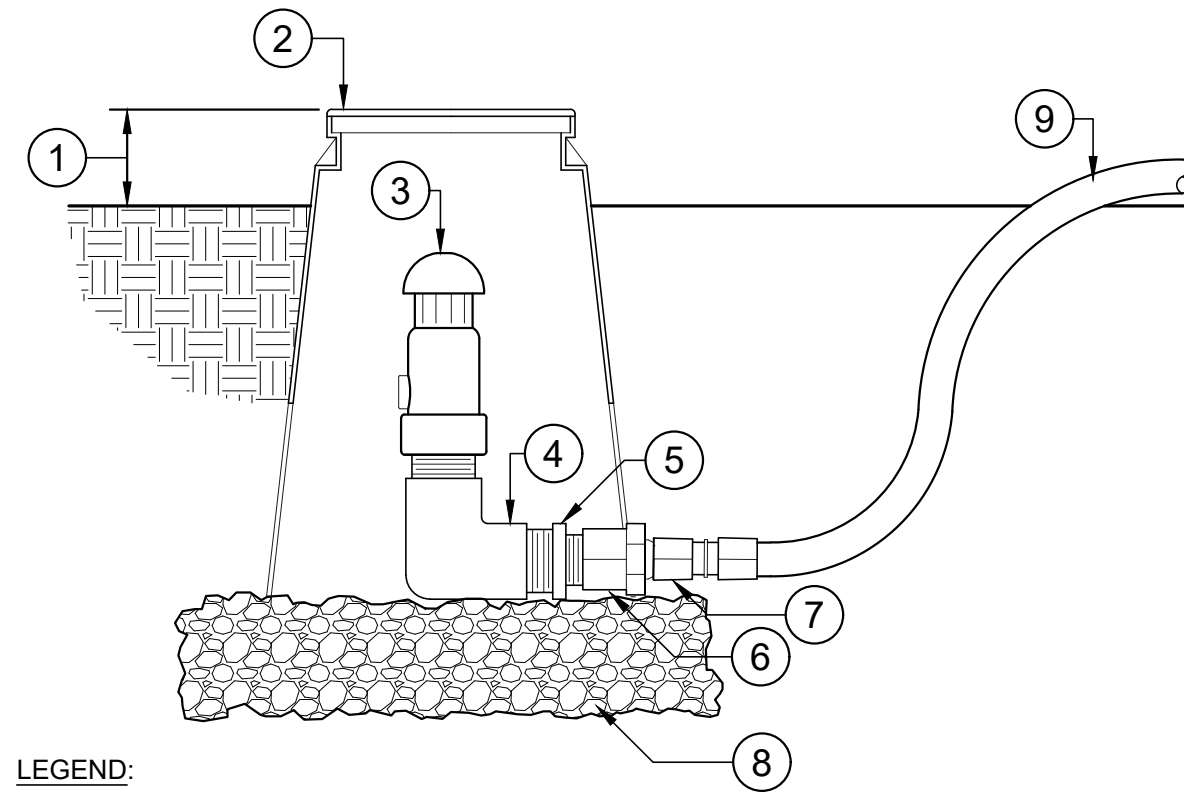
328413.49-03

| TECHLINE CV MAXIMUM LENGTH OF SINGLE LATERAL (FEET) | | | | | | | | | | | | |
|---|----|------------------|------|-----------------|------|-----------------|------|-----------------|------|-----|-----|--|
| DRIPPER SPACING | | 12" | | | | 18" | | | | 24" | | |
| DRIPPER FLOW RATE (GPH) | | 0.26 | 0.4 | 0.6 | 0.9 | 0.26 | 0.4 | 0.6 | 0.9 | 0.6 | 0.9 | |
| INLET PRESSURE (PSI) | 15 | 127 | 109 | 86 | 65 | 177 | 151 | 120 | 91 | 152 | 116 | |
| | 25 | 427 | 325 | 256 | 194 | 604 | 459 | 361 | 274 | 458 | 348 | |
| | 35 | 539 | 409 | 322 | 244 | 763 | 579 | 456 | 346 | 580 | 440 | |
| | 45 | 618 | 469 | 369 | 280 | 877 | 664 | 523 | 397 | 666 | 506 | |
| TECHLINE CV FLOW PER 100 FEET | | | | | | | | | | | | |
| DRIPPER SPACING | | 0.26 GPH DRIPPER | | 0.4 GPH DRIPPER | | 0.6 GPH DRIPPER | | 0.9 GPH DRIPPER | | | | |
| GPH | | GPM | GPM | GPH | GPM | GPH | GPM | GPH | GPM | | | |
| 12" | | 26.40 | 0.44 | 40.00 | 0.67 | 61.00 | 1.02 | 92.00 | 1.53 | | | |
| 18" | | 17.58 | 0.29 | 26.67 | 0.44 | 41.00 | 0.68 | 61.00 | 1.02 | | | |
| 24" | | N/A | N/A | N/A | N/A | 31.00 | 0.51 | 46.00 | 0.77 | | | |



- WATER SOURCE: DRIP VALVE OR LATERAL FROM VALVE.
- TYPICAL SUPPLY HEADER.
- TYPICAL TECHLINE DRIPPER LINE TUBING.
- TYPICAL PVC OR POLY SUPPLY OR EXHAUST HEADER.

- MANUAL LINE FLUSING VALVE PLUMBED TO PVC OR POLY.



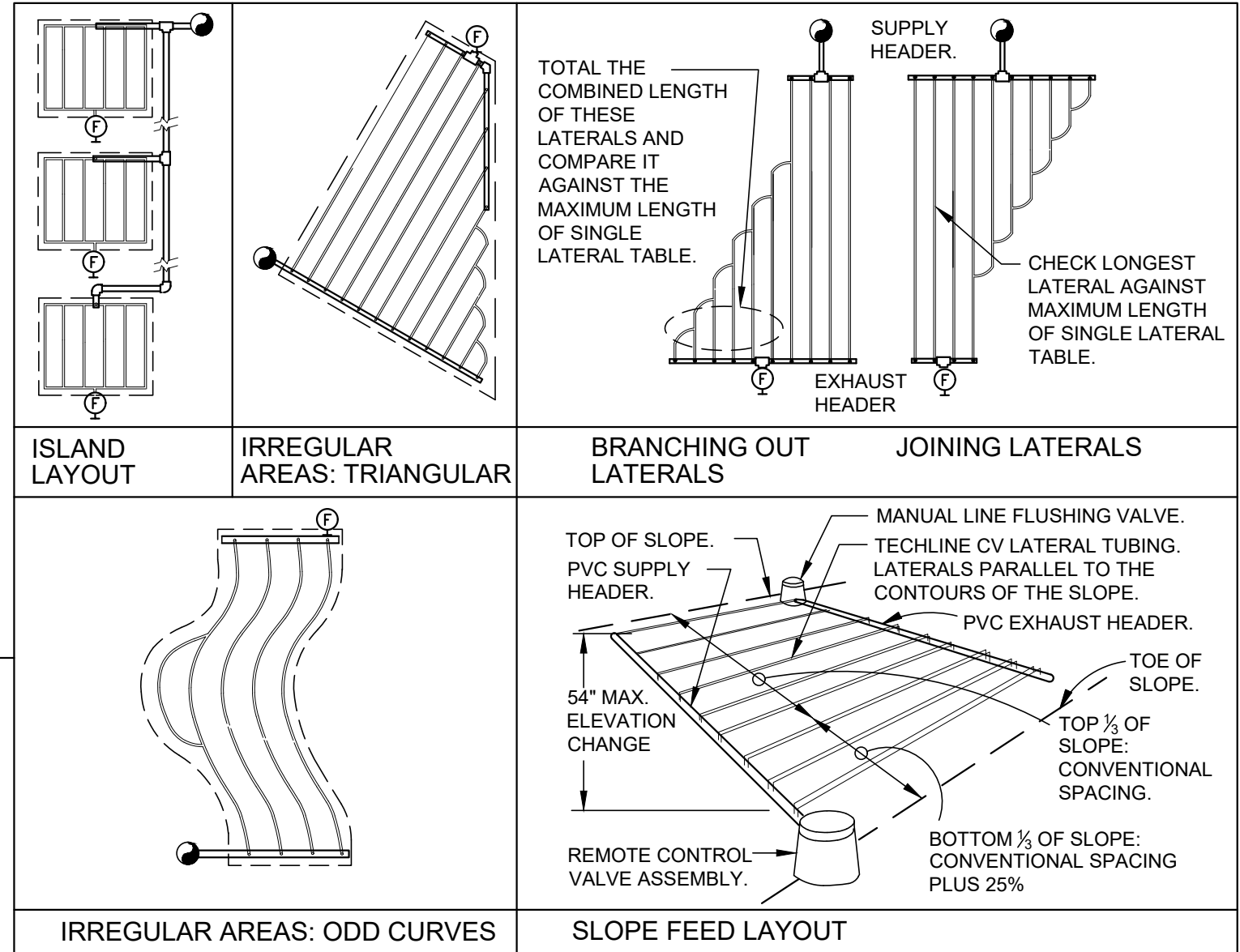
LEGEND:

- 1 2" ABOVE FINISH GRADE
- 2 6" DRIP BOX
- 3 AIR RELIEF VALVE AS SPECIFIED
- 4 1" FPTXMPT ELL
- 5 3/4"X1" MPT ADAPTER
- 6 3/4" FPT X 1/2" DRIP TUBING ADAPTER
- 7 DRIP TUBING COUPLING
- 8 3" THICK LAYER OF CLASS 1 DRAIN ROCK. THE BOX SHALL REST UPON THE ROCK BED. DO NOT EXTEND DRAIN ROCK INTO BOX
- 9 DRIPLINE OR 1/2" DRIP TUBING

4 DRIP AIR/VACUUM RELIEF VALVE ASSEMBLY

3" = 1'-0"

328413.53-03



FX-IR-NETA-DRIP-13



Know what's below.
Call before you dig.

BENCHMARK:

U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF PHELAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND. ELEV= 3613.45'

Bid Set - PPHCSD Civic Center Phase 1 - Landscape Plans

| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
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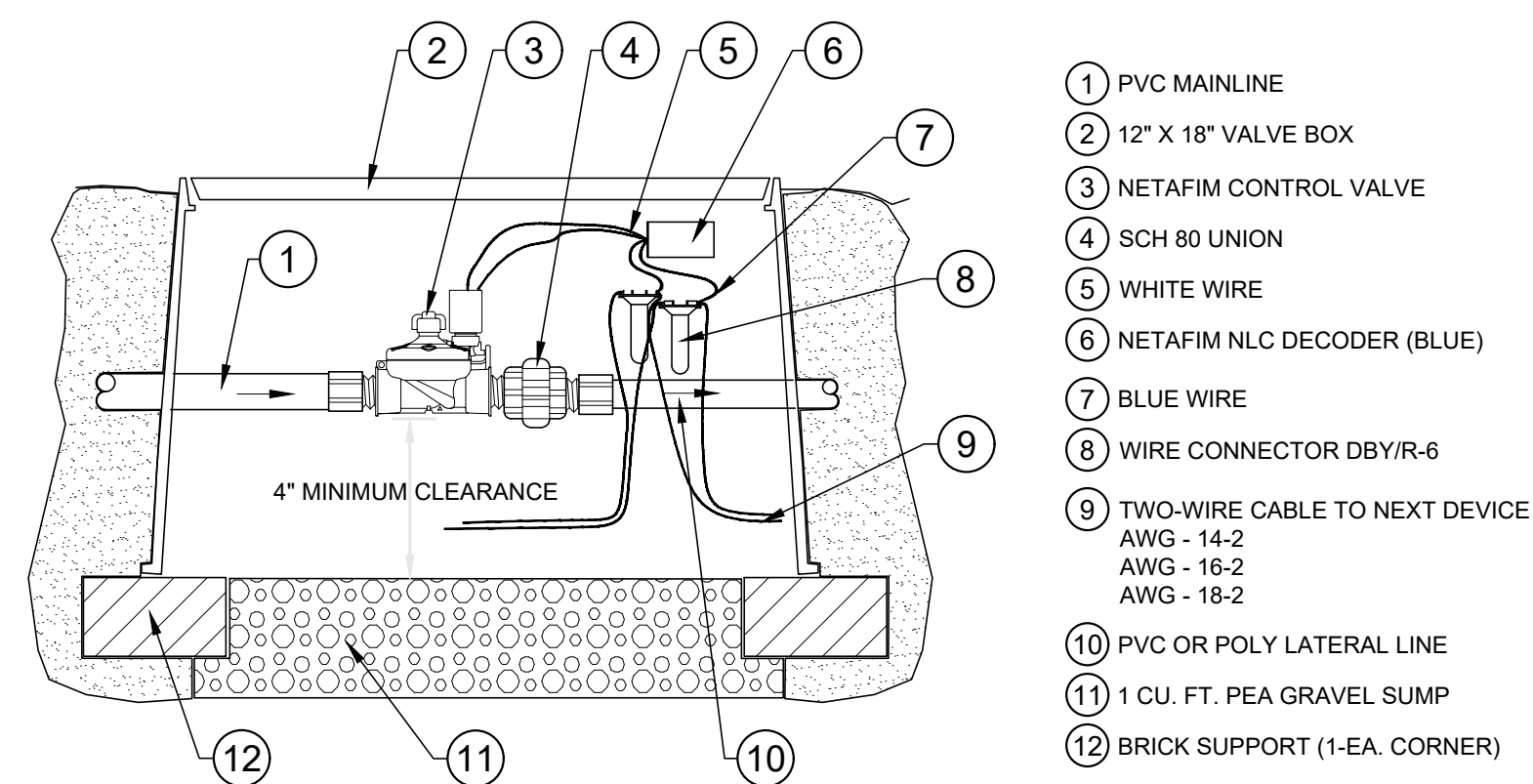
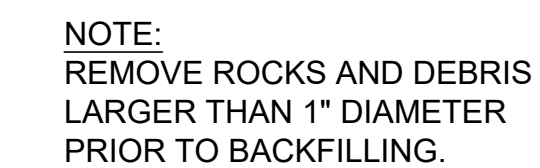
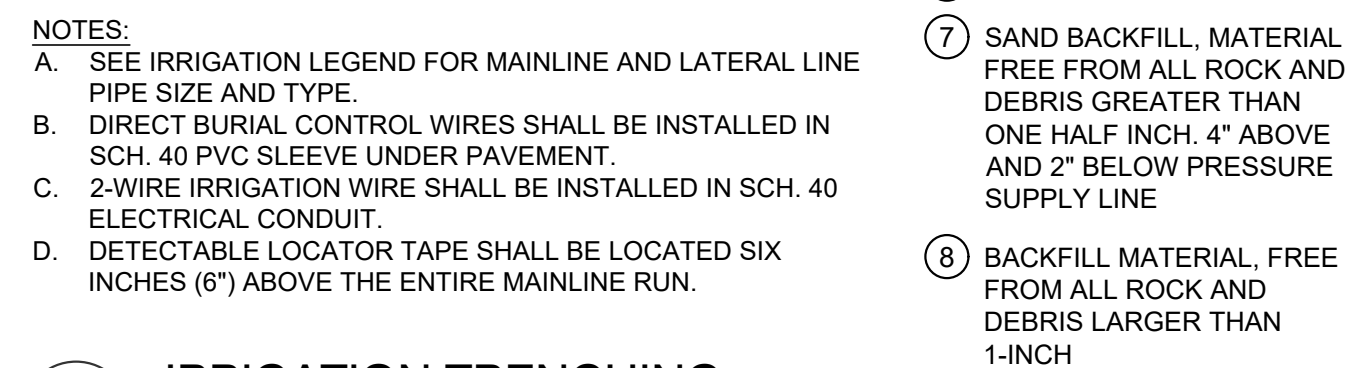
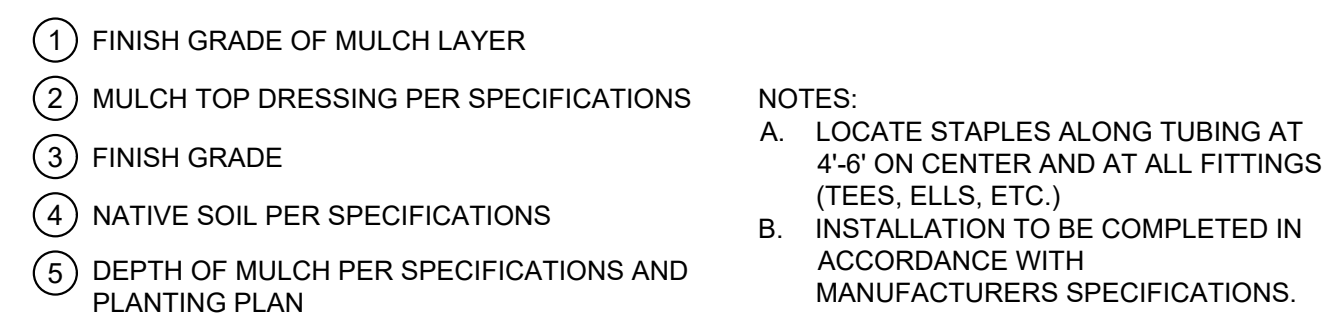
COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS

| DESIGNED BY: | DRAWN BY: | CHECKED BY: | APPROVED BY: |
|---------------------------|-----------|--------------------------|--------------------------------|
| TER | TER | | |
| RECOMMENDED/APPROVED BY: | | | ASST. DIRECTOR OF PUBLIC WORKS |
| LAND DEVELOPMENT ENGINEER | DATE | DIRECTOR OF PUBLIC WORKS | DATE |

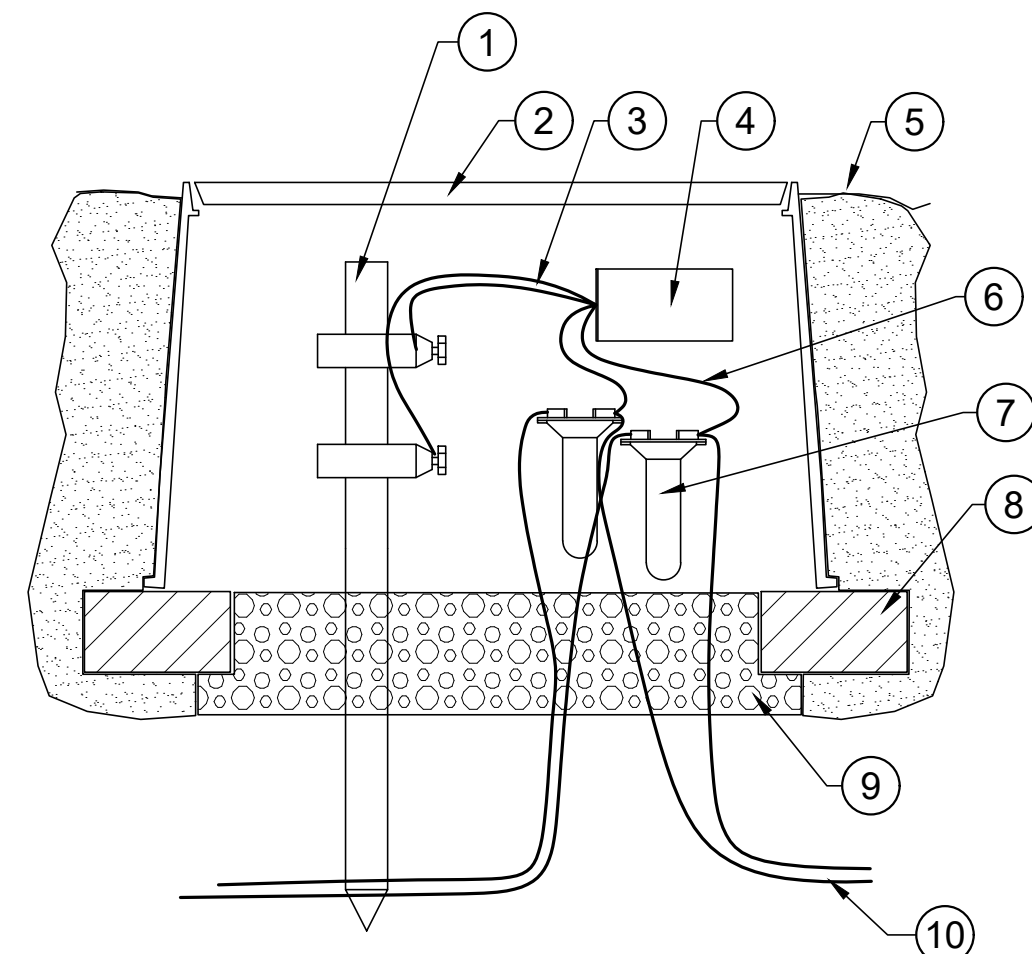
- GRAD-2021-00235
- PRAA-2021-00040
- DRNSTY-2021-00054
- SIP-2021-00031
- NEWNR-2021-00230
- WQMP-2021-00153

| | | | |
|--------------|--------|--|--------------------|
| DRAWN BY: | DATED: | PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18) | SCALE: AS SHOWN |
| DESIGNED BY: | DATED: | | SHEET 13 OF 15 |
| APPROVED BY: | DATED: | IRRIGATION DETAILS | SHEET LI-04 |

WDID# 6B36C401591



5 CONTROL VALVE WITH DECODER



- 6 LINE SURGE PROTECTION WITH GROUNDING ROD



