

GENERAL

1. CONSTRUCTION CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL(S) HARMLESS FROM ANY AND ALL LIABILITY, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL(S).

2. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH:

- A. ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, ORDINANCES, AND RULES, INCLUDING WITHOUT LIMITATION:
- CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE CODE (CAL-OSHA)
 - CALIFORNIA CODE 4216 – PROTECTION OF UNDERGROUND INFRASTRUCTURE

- B. THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CBC TITLE 24), WITH AMENDMENTS ADOPTED BY MONTEREY COUNTY.
- C. CALIFORNIA EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
- D. THE PROJECT PLANS AND SPECIFICATIONS
- E. THE 2018 EDITION OF "STANDARD SPECIFICATIONS," STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS)
- F. THE 2018 EDITION OF "STANDARD PLANS," STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS)

3. WORK WITHIN THE CITY OF SALINAS RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF SALINAS STANDARD PLANS AND SPECIFICATIONS.

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ALL APPLICABLE JURISDICTIONAL BODIES. FOR INFORMATION REGARDING THIS PROVISION, THE CONTRACTOR IS DIRECTED TO CONTACT STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, SALINAS, CALIFORNIA AT PHONE (831) 443-3050.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN THE CONSTRUCTION AREA.

6. INTENTION OF GRADING: CONSTRUCTION OF ONE NEW HOUSING DEVELOPMENT AND ASSOCIATED SITE WORK.

7. PROPERTY IS SUBJECT TO INUNDATION OR 100 YEAR FLOOD LEVELS.

8. ESTIMATED START: SUMMER 2020 , ESTIMATED COMPLETION: SPRING 2021.

9. SEE ARCHITECTURAL/LANDSCAPE PLANS AND/OR THE PROJECT ARBORIST'S REPORT FOR TREE PROTECTION AND REMOVAL REQUIREMENTS.

10. IF, DURING THE COURSE OF CONSTRUCTION, CULTURAL, ARCHAEOLOGICAL, HISTORICAL OR PALEONTOLOGICAL RESOURCES ARE UNCOVERED AT THE SITE (SURFACE OR SUBSURFACE RESOURCES) WORK SHALL BE HALTED IMMEDIATELY WITHIN 50 METERS (165 FEET) OF THE FIND UNTIL A QUALIFIED PROFESSIONAL ARCHEOLOGIST CAN EVALUATE IT. MONTEREY COUNTY RMA – PLANNING AND A QUALIFIED ARCHAEOLOGIST (I.E. AN ARCHAEOLOGIST REGISTERED WITH THE REGISTER OF PROFESSIONAL ARCHAEOLOGISTS) SHALL BE IMMEDIATELY CONTACTED BY THE RESPONSIBLE INDIVIDUAL PRESENT ON-SITE. WHEN CONTACTED, THE PROJECT PLANNER AND THE ARCHAEOLOGIST SHALL IMMEDIATELY VISIT THE SITE TO DETERMINE THE EXTENT OF THE RESOURCES AND TO DEVELOP PROPER MITIGATION MEASURES REQUIRED FOR THE DISCOVERY.

11. ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DISTRICT (MBUAPCD) RULE 402 – NUISANCES.

12. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN PUBLIC R/W FROM THE COUNTY OF MONTEREY AND THE CITY OF SALINAS.

13. MITIGATION MEASURE AQ-1: CONSTRUCTION FUGITIVE DUST CONTROL PLAN. THE FOLLOWING STANDARD DUST CONTROL MEASURES SHALL BE IMPLEMENTED DURING CONSTRUCTION TO HELP PREVENT POTENTIAL NUISANCES TO NEARBY RECEPTORS DUE TO FUGITIVE DUST AND TO REDUCE CONTRIBUTIONS TO EXCEEDANCES OF THE STATE AMBIENT AIR QUALITY STANDARDS FOR PM10, IN ACCORDANCE WITH MBARD'S CEQA GUIDELINES.

A. WATER ALL ACTIVE CONSTRUCTION AREAS AS REQUIRED WITH WATER (PREFERABLY FROM NON-POTABLE SOURCES TO THE EXTENT FEASIBLE); FREQUENCY SHOULD BE BASED ON THE TYPE OF OPERATION, SOIL, AND WIND EXPOSURE AND MINIMIZED TO PREVENT WASTEFUL USE OF WATER.

B. PROHIBIT GRADING ACTIVITIES DURING PERIODS OF HIGH WIND (OVER 15 MPH).

C. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS AND REQUIRE TRUCKS TO MAINTAIN AT LEAST 2 FEET OF FREEBOARD.

D. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT CONSTRUCTION SITES.

E. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS.

F. ENCLOSE, COVER, OR WATER DAILY EXPOSED STOCKPILES (DIRT, SAND, ETC.).

G. REPLANT VEGETATION IN DISTURBED AREAS AS QUICKLY AS POSSIBLE.

H. PROVIDE A STABILIZED CONSTRUCTION ACCESS POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION SITE THAT IS STABILIZED AND MANAGED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.

I. POST A PUBLICLY VISIBLE SIGN THAT SPECIFIES THE TELEPHONE NUMBER AND PERSON TO CONTACT REGARDING DUST COMPLAINTS. THIS PERSON SHALL RESPOND TO COMPLAINTS AND TAKE CORRECTIVE ACTION WITHIN 48 HOURS. THE PHONE NUMBER OF THE MBARD SHALL ALSO BE VISIBLE TO ENSURE COMPLIANCE WITH MBARD RULES.

13. MITIGATION MEASURE CR1: IN ORDER TO PREVENT IMPACTS TO CULTURAL RESOURCES AND TRIBAL CULTURAL RESOURCES, OWNER/APPLICANT SHALL INCLUDE REQUIREMENTS OF THIS CONDITION AS A NOTE ON ALL GRADING AND CONSTRUCTION PLANS. THE NOTE SHALL STATE "IF, DURING THE COURSE OF CONSTRUCTION, CULTURAL, ARCHAEOLOGICAL, HISTORICAL OR PALEONTOLOGICAL RESOURCES ARE UNCOVERED AT THE SITE (SURFACE OR SUBSURFACE RESOURCES) WORK SHALL BE HALTED IMMEDIATELY WITHIN 50 METERS (165 FEET) OF THE FIND UNTIL A QUALIFIED PROFESSIONAL ARCHEOLOGIST CAN EVALUATE IT. MONTEREY COUNTY RMA – PLANNING, NATIVE AMERICAN HERITAGE COMMISSION (NAHC) DESIGNATED TRIBAL REPRESENTATIVE AND A QUALIFIED ARCHAEOLOGIST (I.E., AN ARCHAEOLOGIST REGISTERED WITH THE REGISTER OF PROFESSIONAL ARCHAEOLOGISTS) SHALL BE IMMEDIATELY CONTACTED BY THE RESPONSIBLE INDIVIDUAL PRESENT ON-SITE. WHEN CONTACTED, THE PROJECT PLANNER, NAHC DESIGNATED TRIBAL REPRESENTATIVE AND THE ARCHAEOLOGIST SHALL IMMEDIATELY VISIT THE SITE TO DETERMINE THE EXTENT OF THE RESOURCES AND TO DEVELOP PROPER MITIGATION MEASURES REQUIRED FOR THE RECOVERY.

PRIOR TO RESUMING ANY FURTHER PROJECT-RELATED GROUND DISTURBANCE, OWNER/APPLICANT SHALL COORDINATE WITH THE PROJECT PLANNER, NAHC DESIGNATED TRIBAL REPRESENTATIVE AND A QUALIFIED ARCHAEOLOGIST TO DETERMINE A STRATEGY FOR EITHER RETURN TO THE TRIBE OR REBURIAL. ANY ARTIFACTS FOUND THAT ARE NOT ASSOCIATED WITH A SKELETAL FINDING SHALL BE RETURNED TO THE ABORIGINAL TRIBE.

IF HUMAN REMAINS ARE ACCIDENTALLY DISCOVERED DURING CONSTRUCTION, THE FOLLOWING STEPS WILL BE TAKEN:

THERE SHALL BE NO FURTHER EXCAVATION OR DISTURBANCE OF THE SITE OR ANY NEARBY AREA REASONABLY SUSPECTED TO OVERLIE ADJACENT RESOURCES UNTIL:

THE CORONER OF THE COUNTY IN WHICH THE REMAINS ARE DISCOVERED MUST BE CONTACTED TO DETERMINE THAT NO INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED, AND

IF THE CORONER DETERMINES THE REMAINS TO BE NATIVE AMERICAN:

- THE CORONER SHALL CONTACT THE NATIVE AMERICAN HERITAGE COMMISSION AND RMA – PLANNING WITHIN 24 HOURS.
- THE NATIVE AMERICAN HERITAGE COMMISSION SHALL IDENTIFY THE PERSON OR

PERSONS FROM A RECOGNIZED LOCAL TRIBE OF THE ESSELEN, SALINAN, COSTANOAN/OHLONE AND CHUMASH TRIBAL GROUPS, AS APPROPRIATE, TO BE THE MOST LIKELY DESCENDENT.

- THE MOST LIKELY DESCENDENT MAY MAKE RECOMMENDATIONS TO THE LANDOWNER OR THE PERSON RESPONSIBLE FOR THE EXCAVATION WORK, FOR MEANS OF TREATING OR DISPOSING OF, WITH APPROPRIATE DIGNITY, THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS AS PROVIDED IN PUBLIC RESOURCES CODE SECTION 5097.9 AND 5097.993, OR

- WHERE THE FOLLOWING CONDITIONS OCCUR, THE LANDOWNER OR HIS AUTHORIZED REPRESENTATIVES SHALL REBURY THE NATIVE AMERICAN HUMAN REMAINS AND ASSOCIATED GRAVE GOODS WITH APPROPRIATE DIGNITY ON THE PROPERTY IN A LOCATION NOT SUBJECT TO FURTHER SUBSURFACE DISTURBANCE:

- THE NATIVE AMERICAN HERITAGE COMMISSION IS UNABLE TO IDENTIFY A MOST LIKELY DESCENDENT OR THE MOST LIKELY DESCENDENT FAILED TO MAKE A RECOMMENDATION WITHIN 48 HOURS AFTER BEING NOTIFIED BY THE COMMISSION.
- THE DESCENDENT IDENTIFIED FAILS TO MAKE A RECOMMENDATION; OR
- THE LANDOWNER OR HIS AUTHORIZED REPRESENTATIVE REJECTS THE RECOMMENDATION OF THE DESCENDENT, AND THE MEDIATION BY THE NATIVE AMERICAN HERITAGE COMMISSION FAILS TO PROVIDE MEASURES ACCEPTABLE TO THE LANDOWNER.

EARTHWORK SUMMARY

C = 14,400 CY F = 15,250 CY BULKING 850 CY

BALANCED EARTHWORK

NOTE: GRADING WITHIN FLOODPLAIN WILL RESULT IN A NET CUT (NO FILL)

ESTIMATED AREA OF DISTURBANCE = 13.1 ACRES

- THE QUANTITIES PRESENTED ABOVE ARE ESTIMATES ONLY, BASED ON THE DIFFERENCE BETWEEN EXISTING ON-SITE GRADE AND SUBGRADE ELEVATIONS AND FINISHED GRADE AND SUBGRADE ELEVATIONS, AS SHOWN ON THE PLANS, AND ARE NOT ADJUSTED FOR CHANGES IN VOLUME DUE TO CHANGES IN SOIL DENSITY.
- OVER-EXCAVATION IS NOT INCLUDED IN THE ABOVE ESTIMATE. CLEARING AND STRIPPING AND REMOVAL OF AC AND PCC PAVEMENTS ARE NOT INCLUDED IN THE ABOVE ESTIMATES. SITE SPOILS SUCH AS FROM UTILITY TRENCHING, FOUNDATIONS, ETC. ARE NOT INCLUDED IN ABOVE ESTIMATES.
- THESE QUANTITIES SHALL BE USED FOR BONDING AND PERMIT PURPOSES ONLY. CONTRACTOR SHALL MAKE HIS/HER OWN SITE VISIT AND QUANTITY TAKE-OFFS AND SHALL BID ACCORDINGLY.
- EARTHWORK VALUES SHOULD BE REEVALUATED DURING THE EARLY STAGES OF SITE GRADING. CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING FINAL EARTHWORK QUANTITIES TO HIS/HER SATISFACTION PRIOR TO START OF GRADING OPERATIONS.

SURVEY AND EXISTING CONDITIONS

- TOPOGRAPHY WAS PREPARED BY RRM DESIGN GROUP AND WHITSON ENGINEERS, IN 2019 AND 2020.
- PROJECT BENCHMARK: THE ELEVATIONS FOR THIS SURVEY ARE BASED ON A NGS MONUMENT, "A 813/GU1996", LOCATED 1.0 MILE NORTHWEST ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE STATION AT SALINAS, SET IN THE CENTER OF THE NORTHEAST CONCRETE HEADWALL OF 21-INCH CORRUGATED METAL PIPE CULVERT 117.35, 55.5 FEET NORTHEAST OF THE NORTHEAST RAIL OF THE MAIN TRACK, 26.3 FEET NORTHEAST OF THE NORTHEAST RAIL OF THE NEAREST SPUR TRACK, 35.5 FEET NORTH OF A TELEPHONE POLE, 3.3 FEET NORTHWEST OF THE SOUTHEAST END OF THE HEADWALL, AND ABOUT 8 FEET LOWER THAN THE TRACKS. ELEVATION = 40.44' (NAVD88)
- ALL "MATCH" OR "JOIN" CALLOUTS ON THE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER IN THE CASE OF ANY FIELD DISCREPANCY.
- PAD ELEVATIONS SHALL BE CERTIFIED TO 0.1 FEET, PRIOR TO DIGGING ANY FOOTINGS OR SCHEDULING ANY INSPECTIONS. (MONTEREY COUNTY)
- THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE, AND ACCURATE RECORD OF ALL DEVIATIONS FROM THE WORK PROPOSED IN THESE PLANS AND SPECIFICATIONS, AND A RECORD DRAWING SET SHALL BE PREPARED AND PROVIDED TO THE ENGINEER AT THE COMPLETION OF WORK. CHANGES SHALL NOT BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER.
- THE EXISTENCE, LOCATION AND ELEVATION OF ANY UNDERGROUND FACILITIES ARE SHOWN ON THESE PLANS IN A GENERAL WAY ONLY. NOT ALL UTILITIES MAY BE SHOWN. IT IS MANDATORY THAT THE CONTRACTOR EXPOSE AND VERIFY THE TOP AND BOTTOM OF ALL UTILITIES PRIOR TO ANY WORK ON SYSTEMS WHICH MAY BE AFFECTED BY THE EXISTING UTILITY'S LOCATION. IT IS THE RESPONSIBILITY AND DUTY OF THE CONTRACTOR TO MAKE THE FINAL DETERMINATION AS TO THE EXISTENCE, LOCATION AND ELEVATION OF ALL UTILITIES AND TO BRING ANY DISCREPANCY TO THE ATTENTION OF THE ARCHITECT.

GRADING AND DRAINAGE

- SITE GRADING AND EARTHWORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROJECT GEOTECHNICAL REPORT ENTITLED:
GEOTECHNICAL AND INFILTRATION INVESTIGATION FOR THE PROPOSED AGRICULTURAL HOUSING DAVIS ROAD, INTERSECTION OF N. DAVIS ROAD AND W. ROSSI STREET, PREPARED BY SOIL SURVEYS GROUP, INC., DATED DECEMBER 4, 2019, PROJECT #7458
- ON-SITE GRADING AND EARTHWORK, SITE PREPARATION, EXCAVATION, TRENCHING AND COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER DESIGNATED BY THE OWNER. ALL GRADING AND EARTHWORK SHALL BE DONE TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- SHOULD THE RESULTS OF ANY COMPACTION TEST FAIL TO MEET THE MINIMUM REQUIRED DENSITY AS SPECIFIED ON THESE PLANS OR IN THE GEOTECHNICAL REPORT, THE DEFICIENCY SHALL BE CORRECTED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER AT THE CONTRACTOR'S EXPENSE. THE EXPENSE OF RETESTING SUCH AREAS SHALL ALSO BE BORNE BY THE CONTRACTOR, AT NO COST TO THE OWNER.
- NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY GRADING OR FOUNDATION EXCAVATION.
- ALL SOILS UTILIZED FOR FILL PURPOSES SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE COMMENCEMENT OF GRADING OPERATIONS. IMPORTED SOILS SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE BEING BROUGHT TO THE SITE.
- EXCAVATION FOR ANY PURPOSE SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST SETTLEMENT OR LATERAL TRANSLATION. THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, COBBLES AND BOULDERS OR WITH A CONTROLLED LOW-STRENGTH MATERIAL (CLSM). THE BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE THE FOUNDATION OR THE WATERPROOFING OR DAMPPROOFING MATERIAL. EXCEPTION: CLSM NEED NOT BE COMPACTED.
- IMPERVIOUS SURFACES ADJACENT TO STRUCTURES SHALL SLOPE A MINIMUM OF 2% AWAY FROM THE STRUCTURE FOR A MINIMUM DISTANCE OF 10 FEET, UNLESS OTHERWISE SHOWN. LANDSCAPE AREAS ADJACENT TO STRUCTURES SHALL SLOPE A MINIMUM OF 5% AWAY FROM THE STRUCTURE FOR A MINIMUM DISTANCE OF 10 FEET, UNLESS OTHERWISE SHOWN.
- RELATIVE COMPACTION SHALL BE EXPRESSED AS A PERCENTAGE OF THE MAXIMUM DRY DENSITY OF THE MATERIAL AS DETERMINED BY ASTM TEST D-1557. IN-PLACE DENSITY TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM TESTS D-1556 AND D-6938.
- GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING STRUCTURES, OBSTRUCTIONS, TREES SHOWN TO BE REMOVED, VEGETATION, ORGANIC-LADEN TOPSOIL, LARGE ROOTS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. BURIED SUBSURFACE OBJECTS ENCOUNTERED, OR VOIDS CREATED DURING SITE PREPARATION SHALL BE CALLED TO THE ATTENTION OF THE GEOTECHNICAL ENGINEER. ESTIMATED STRIPPING DEPTH, 36"
- SURPLUS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A LEGAL MANNER, OUTSIDE THE FEMA FLOOD PLAIN.
- SUBGRADE PREPARATION AND ENGINEERED FILL THAT SUPPORTS FOOTINGS, SLABS, PAVEMENTS, AND FLATWORK SHALL EXTEND AT LEAST 5 FEET BEYOND THE LIMITS OF

PROPOSED IMPROVEMENTS.

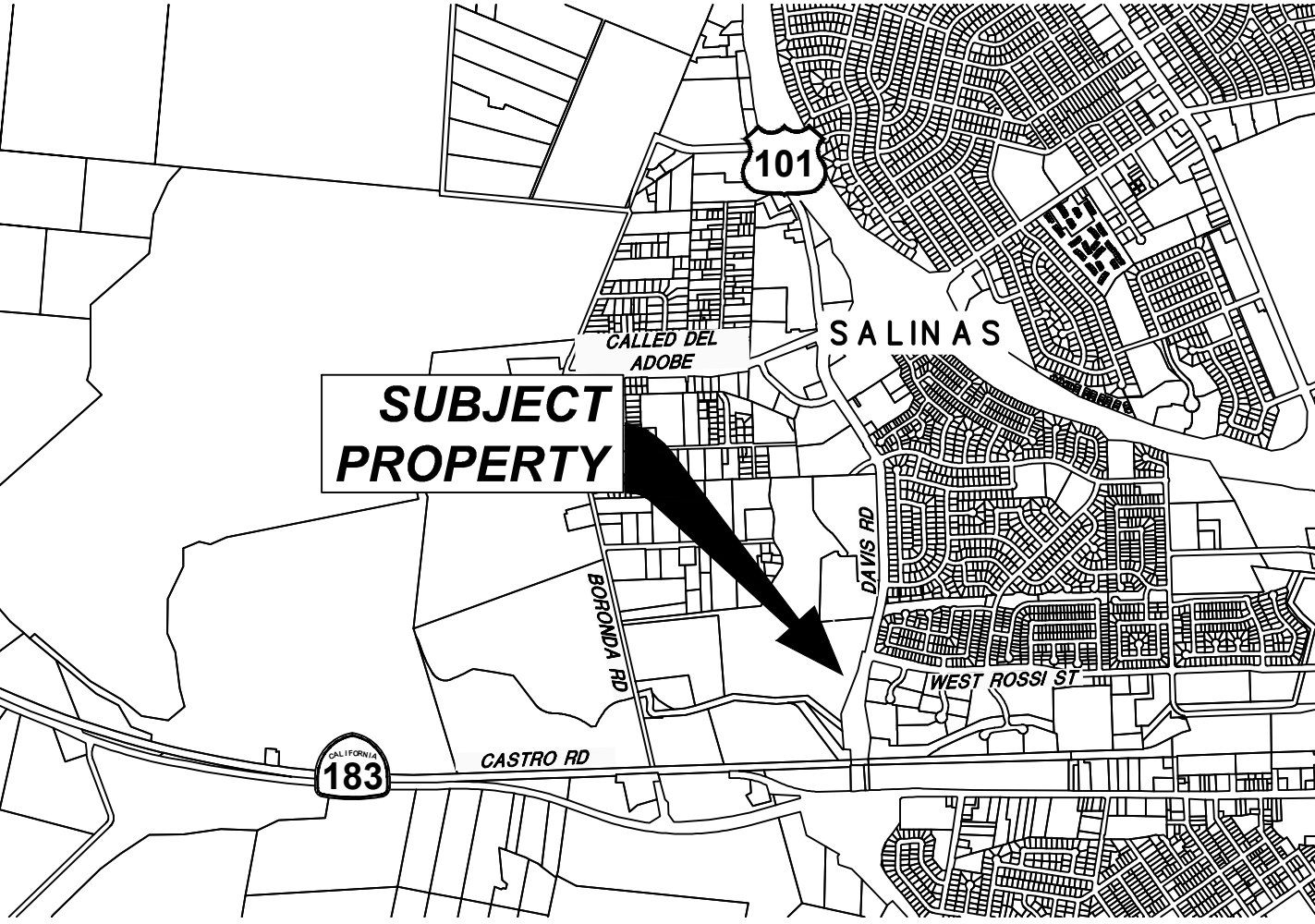
- FOOTINGS LOCATED ADJACENT TO OTHER FOOTINGS OR RETAINING WALLS SHALL HAVE THEIR BEARING SURFACES FOUNDED BELOW A 2:1 (H:V) LINE PROJECTED UPWARD FROM THE BOTTOM EDGE OF THE ADJACENT FOOTING, WALL, OR UTILITY TRENCH.
- FOLLOWING CLEARING AND STRIPPING, EXPOSED SUBGRADES IN AREAS TO RECEIVE ENGINEERED FILL, STRUCTURES, PAVEMENTS, CONCRETE SLABS, OR OTHER IMPROVEMENTS SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONED, AND UNIFORMLY COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. THE GEOTECHNICAL ENGINEER SHALL DETERMINE IF ADDITIONAL OVER-EXCAVATIONS WILL BE REQUIRED.
- THE GEOTECHNICAL ENGINEER SHALL INSPECT ALL SURFACES TO RECEIVE FILL PRIOR TO THE PLACEMENT OF ANY FILL.
- ENGINEERED FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.
- CUT/FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2H:1V) UNLESS OTHERWISE APPROVED AT THE TIME OF GRADING BY THE GEOTECHNICAL ENGINEER.
- A CEMENT/LIME TREATED SOIL FOUNDATION SYSTEM SHALL BE UTILIZED FOR THE FOUNDATION BUILDING SUPPORT. THE TREATED SOIL SHOULD EXTEND A MINIMUM DEPTH OF 5 FEET BELOW THE BUILDING PAD FINISHED SOIL SUBGRADE ELEVATION, AND 5 FEET BEYOND THE BUILDING FOUNDATION EXTENT. REFER TO THE PROJECT GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- ALL RE-COMPACTED AND ENGINEERED FILL SOILS SHALL BE COMPACTED TO AT LEAST 2 PERCENT OVER THE LABORATORY OPTIMUM MOISTURE CONTENT FOR THE SOIL.
- ON-SITE NON-ORGANIC SOIL IS GENERALLY ACCEPTABLE FOR USE AS ENGINEERED FILL, AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO USE. NATIVE SOIL USED AS ENGINEERED FILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - SOIL SHALL BE FREE OF ORGANICS, DEBRIS, AND OTHER DELETERIOUS MATERIALS.
 - ROCK OVER 4 INCHES IN ITS MAXIMUM DIMENSION MAY NOT BE USED IN AN ENGINEERED FILL.
- IMPORTED SOIL USED AS GENERAL ENGINEERED FILL SHALL BE CLASSIFIED AS SILTY SAND, BE APPROVED BY THE GEOTECHNICAL ENGINEER, AND MEET THE FOLLOWING REQUIREMENTS:
 - SOIL SHALL BE FREE OF ORGANIC AND DELETERIOUS MATERIALS, OR RECYCLED MATERIALS SUCH AS ASPHALTIC CONCRETE, CONCRETE, BRICK, ETC.
 - SOIL SHALL NOT CONTAIN ANY ROCKS OR CLODS OVER 4 INCHES IN MAXIMUM DIMENSION, AND SHALL NOT CONTAIN OVER 15 PERCENT BY WEIGHT ROCKS LARGER THAN 2 INCHES
- ALL SOIL PLACED ON THE PROJECT SITE SHALL BE SAMPLED TO DETERMINE IF THERE ARE ANY HAZARDOUS ELEMENTS PRESENT IN THE SOIL. A SOIL SAMPLING PLAN THAT INCLUDES ALL SOURCES OF FILL MATERIAL SHALL BE SUBMITTED TO THE ENVIRONMENTAL HEALTH BUREAU FOR REVIEW AND APPROVAL AND PAY NECESSARY FEES. IN THE EVENT A BORROW SITE IS IDENTIFIED AS BEING CONTAMINATED, FILL MATERIAL SHALL NOT BE IMPORTED TO THE PROJECT FROM THAT SITE. ONCE APPROVED, AN APPROPRIATELY LICENSED, CA-REGISTERED PROFESSIONAL SHALL COMPLETE DOCUMENTATION OF THE BORROW SITE(S), OVERSEE SOIL SAMPLING AND PREPARE A COMPREHENSIVE REPORT TO BE SUBMITTED TO THE ENVIRONMENTAL HEALTH BUREAU FOR REVIEW AND ACCEPTANCE.
- IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS WHICH ARE NOT COVERED BY THE SOIL INVESTIGATION OR SPECIFICATIONS, THE SOILS ENGINEER SHALL BE IMMEDIATELY NOTIFIED SUCH THAT ADDITIONAL RECOMMENDATIONS MAY BE MADE.
- A LETTER SHALL BE SUBMITTED FROM A LICENSED SURVEYOR CERTIFYING THAT PAD ELEVATIONS ARE WITHIN 0.1 FEET OF ELEVATIONS STATED ON APPROVED PLANS, PRIOR TO DIGGING ANY FOOTINGS OR SCHEDULING ANY INSPECTIONS.
- A "FINAL SOILS LETTER" FROM THE GEOTECHNICAL ENGINEER STATING THAT ALL EARTHWORK COMPLETED WAS IN ACCORDANCE WITH THE RECOMMENDATIONS STATED IN THE GEOTECHNICAL REPORT SHALL BE SUBMITTED PRIOR TO FINAL INSPECTION.
- ELEVATION CERTIFICATE: THE APPLICANT SHALL PROVIDE FEMA ELEVATION CERTIFICATES FOR BUILDINGS A, C, AND D, COMPLETED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
- FIELD VERIFICATION OF POST-CONSTRUCTION STORMWATER CONTROL MEASURES: THE APPLICANT SHALL PROVIDE CERTIFICATION FROM A REGISTERED PROFESSIONAL ENGINEER THAT THE STORMWATER CONTROL FACILITIES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERED STORMWATER CONTROL PLAN.

LEGEND

DESCRIPTION	PROPOSED	EXISTING
PROPERTY BOUNDARY	----	----
CENTER LINE	----	----
EASEMENT LINE	----	----
SAWCUT LIMIT	----	----
CURB AND GUTTER	=====	=====
CONC SIDEWALK AT FIRE LANE	=====	=====
CONC PEDESTRIAN SIDEWALK	=====	=====
RETAINING WALL	=====	=====
DRIVEWAY CURB CUT	=====	=====
CASE "C" CURB RAMP	=====	=====
DOMESTIC WATER MAIN	=====	=====
SANITARY SEWER	=====	=====
STORM DRAIN	=====	=====
FIRE MAIN	=====	=====
JOINT TRENCH	=====	=====
SANITARY SEWER LATERAL	=====	=====
WATER SERVICE	=====	=====
IRRIGATION SLEEVE	-----	-----
SANITARY MANHOLE	=====	=====
STORM MANHOLE	=====	=====
STANDARD CURB INLET	=====	=====
ROCK SLOPE PROTECTION	=====	=====
FIRE HYDRANT	=====	=====
WATER VALVE	=====	=====
STREET LIGHT	=====	=====
SLOPE GRADIENT	=====	=====
NEW ASPHALT PAVEMENT	=====	=====
BUILDING	=====	=====
UTILITY REMOVAL	/////	/////

ABBREVIATIONS

±	PLUS OR MINUS; PRX
AB	AT
AC	AGGREGATE BASE
AD	ASPHALT CONCRETE
APX	AREA DRAIN
AB	APPROXIMATE
BC	AGGREGATE SYBASE
IBM	BEGIN CURVE
BC	BENCHMARK
BC	BEGIN VERTICAL CURVE
VIC	BC ELEVATION
ABCS	BC STATION
BS	BOTTOM OF STAIR
BW	BACK OF WALK
C&G	CURB AND GUTTER
CATV	CABLE TV
COSW	CURB, GUTTER AND SIDEWALK
Q	CENTERLINE
CL	CLASS
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCT
CONT	CONTINUOUS
CY	CUBIC YARD
DEMO	DEMOLISH AND DISPOSE OF
D.G.	DECOMPOSED GRANITE
DI	DRAIN INLET
DIA	DIAMETER
DS	DOWNSPOUT
(E)	EXISTING
END CURVE	END CURVE
EG	EXISTING GRADE
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATION
EQ	EQUAL
ETW	EDGE OF TRAVELED WAY
EVA	EMERGENCY VEHICLE ACCESS
EVC	END VERTICAL CURVE
EVCE	EVC ELEVATION
EVCS	EVC STATION
EW	EACH WAY
EX	EXISTING
FC	FACE OF CURB
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
FR	FIRE RISER
FS	FINISHED SURFACE
GB	GRADE BREAK
GBE	GB ELEVATION
GBS	GB STATION
GM	GAS METER
GRT	GRATE
GV	GAS VALVE/VAULT
HP	HIGH POINT
HORIZ.	HORIZONTAL
INS	INSERT
INV	INVERT
JP	JOINT UTILITY POLE
LDG	LANDING
LF	LINEAR FEET
LFF	LOWER FINISH FLOOR
LP	LOW POINT
LT	LEFT
MATCH	MATCH EXISTING GRADE
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N.I.C.	NOT IN CONTRACT (BY OTHERS)
OCEW	ON CENTER EACH WAY
OG	ORIGINAL GROUND
P.A.	PLANTER AREA
PB	PULL BOX
PC	POINT OF CURVATURE
P.O.C.	POINT OF CONNECTION
RT	RIGHT
PRC	POINT OF REVERSE CURVATURE
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PTDF	PRESSURE TREATED DOUG-FIR
R	RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONC PIPE
RT	RIGHT
R/W	RIGHT OF WAY
RW	RECYCLED WATER
RWL	RAIN WATER LEADER
S.A.A.	SEE ARCHITECTURAL DRAWINGS
S.L.D.	SEE LANDSCAPE DRAWINGS
SD	STORM DRAIN
SL	STREET LIGHT
SS	SANITARY SEWER
STA	STATION
SW	SIDEWALK
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TFC	TOP OF FLUSH CURB
TG	TOP OF GRADE
TOP	TOP OF PIPE
TS	TOP OF STAIR / TRAFFIC SIGNAL
TW	TOP OF WALL
TV	TYPICAL
UFF	UPPER FINISH FLOOR
UG	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
UP	UTILITY POLE
UNK	UNKNOWN
VAR	VARIES
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
W	WATER
WM	WATER METER
W.S.E.	WATER SURFACE ELEVATION
WV	WATER VALVE
XFMR	TRANSFORMER



VICINITY MAP
SCALE: 1" = 2000'

PROJECT DIRECTORY

SITE ADDRESS & APN

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APN: 261-011-026

CIVIL ENGINEER

WHITSON ENGINEERS
6 HARRIS COURT
MONTEREY, CA 93940

TEL: (831) 649-5225

LANDSCAPE ARCHITECT

BFS LANDSCAPE ARCHITECTS
425 PACIFIC STREET #201
MONTEREY CA, 93940

TEL: (831) 646-1383

CIVIL SHEET INDEX

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C5.2	CONSTRUCTION MANAGEMENT PLAN

SPECIAL TESTS AND INSPECTION SCHEDULE

THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2016 CBC TABLE 1705.6. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE GEOTECHNICAL REPORT AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND ENGINEER.

VERIFICATION AND INSPECTION TASK	WHEN TO BE COMPLETED	INSPECTION BY	INSPECTOR'S NAME	COMPLETION DATE
OBSERVATION OF FILL MATERIAL / COMPACTION	CONTINUOUS, AS FILL IS PLACED	SOIL ENGINEER		
CLASSIFICATION / TESTING FILL MATERIAL	PERIODIC	SOIL ENGINEER		
SUBGRADE / FINISH GRADE PREPARATION	PERIODIC AFTER FILL PLACEMENT	SOIL ENGINEER		
FOUNDATION EXCAVATIONS	PRIOR TO STEEL OR FORM PLACEMENT	SOIL ENGINEER		
REINFORCING STEEL CONSTRUCTION	PERIODIC	TO BE DETERMINED		
FOUNDATION	PERIODIC	SOIL ENGINEER		
MASONRY & CONCRETE CONSTRUCTION	PERIODIC	TO BE DETERMINED		
STORM DRAINAGE FACILITIES *	PERIODIC	CIVIL ENGINEER		

* SEE SHEET C0.8, DRAINAGE SPECIFICATIONS FOR REQUIRED INSPECTIONS AND TIMING

Project / Owner:

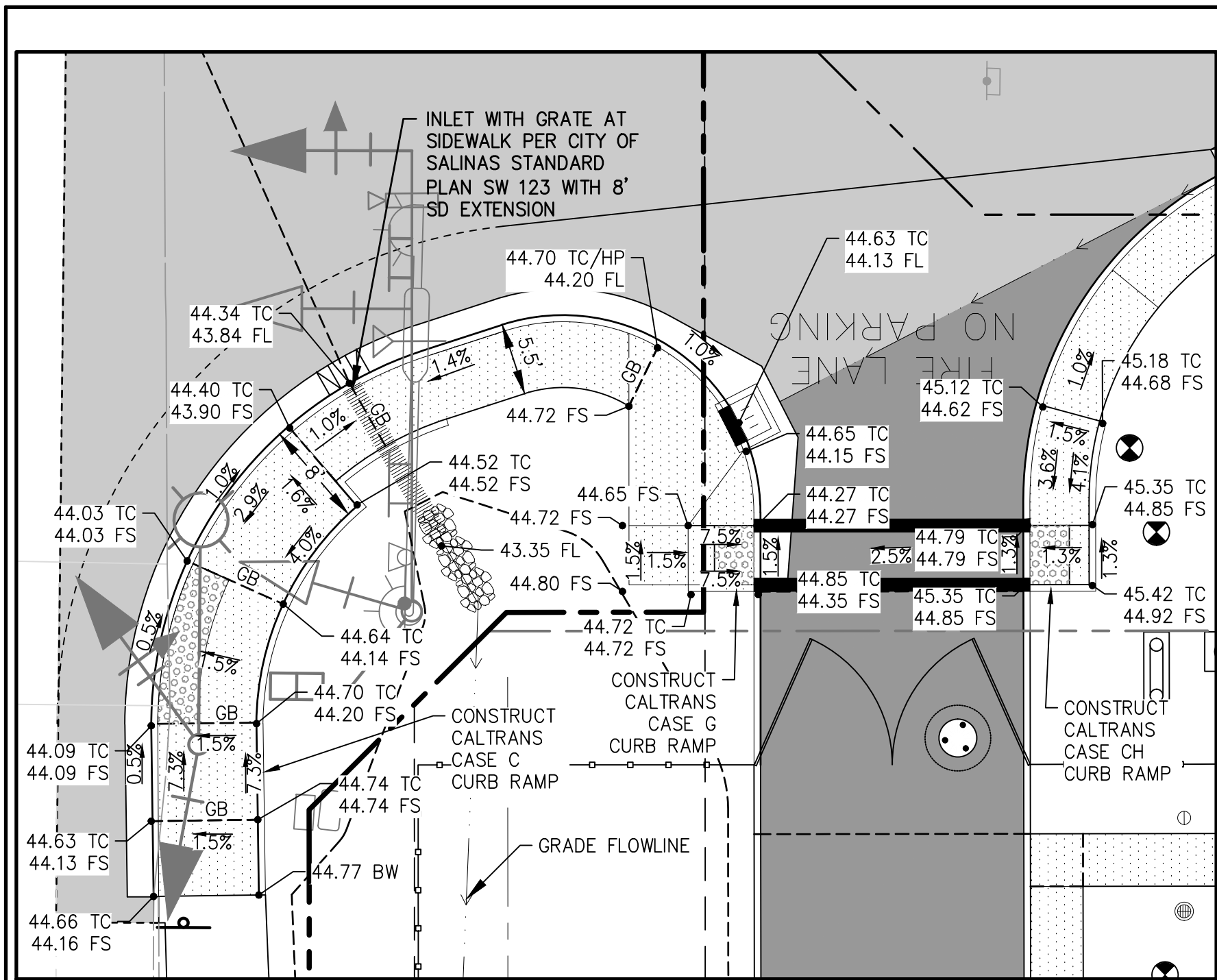
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Agricultural
Employee
Housing Project

SALINAS, CA 93907

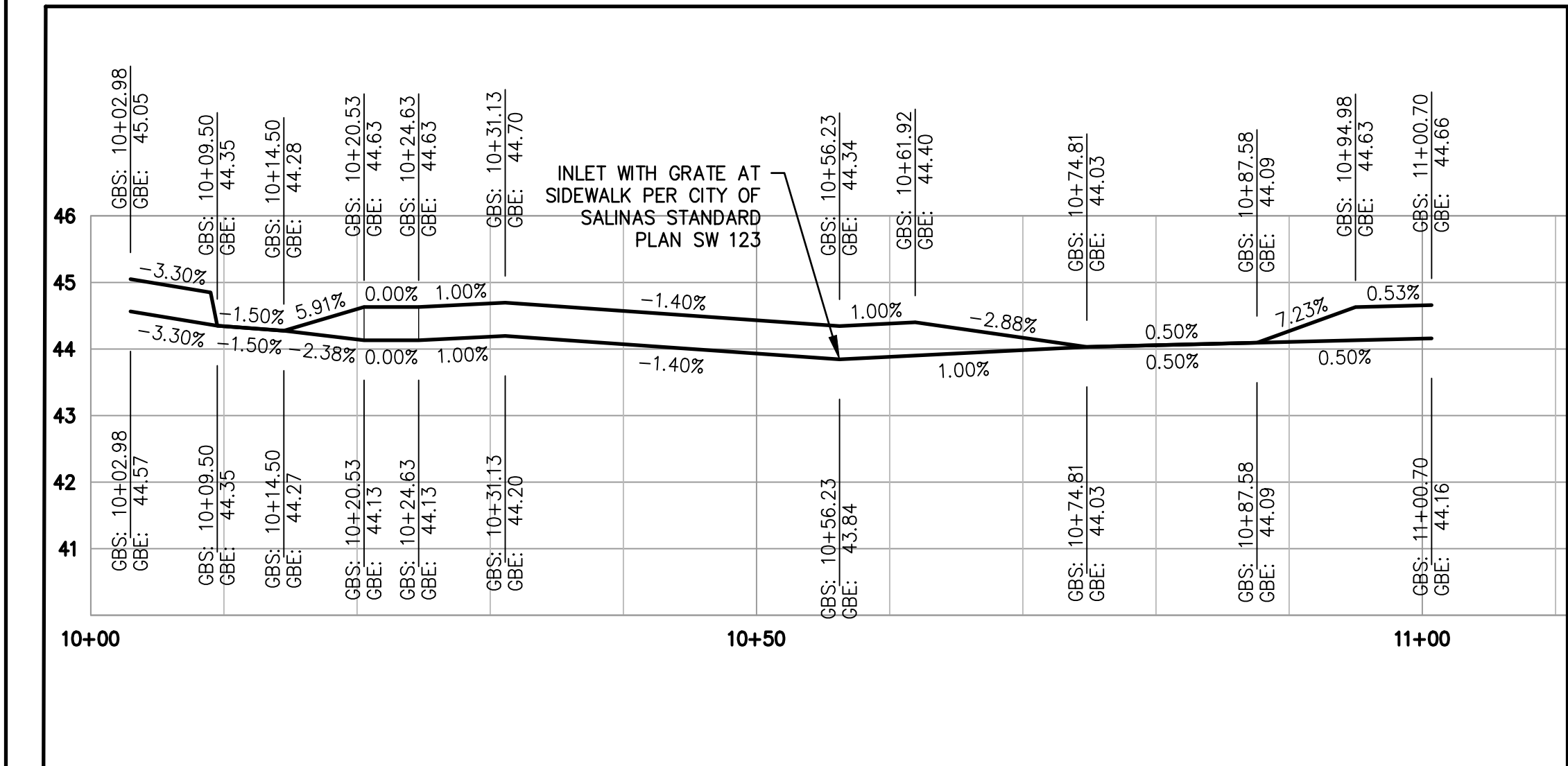
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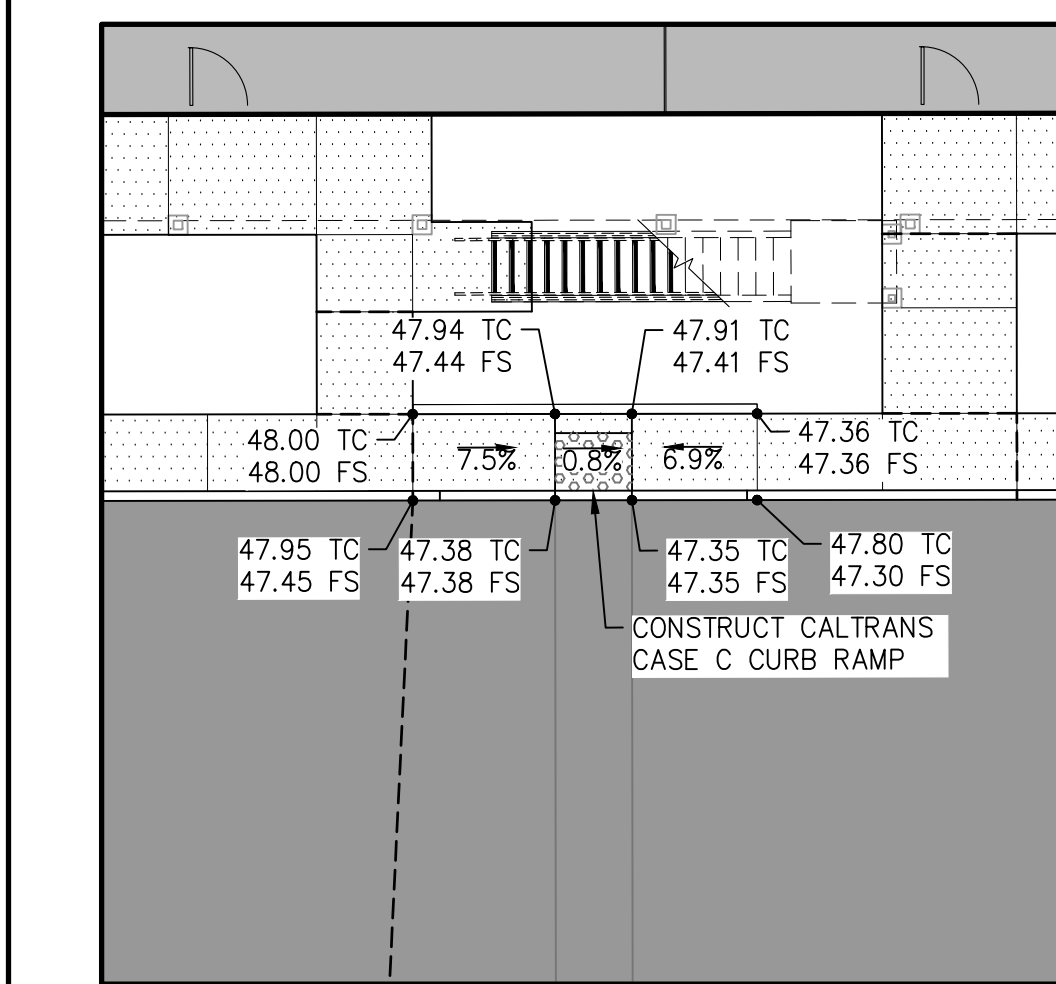
Civil Engineering
Land Surveying
6 Harris Court
Monterey, California
831.649.5225
whitsonengineers.com



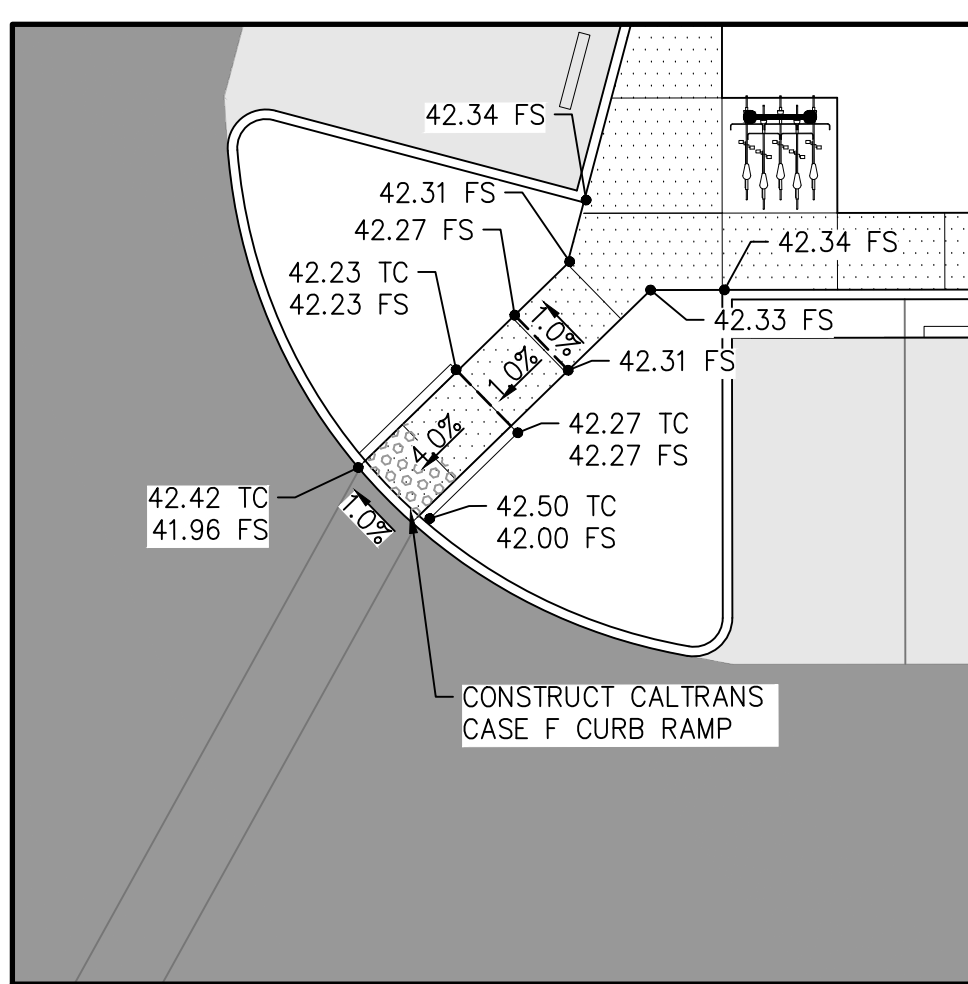
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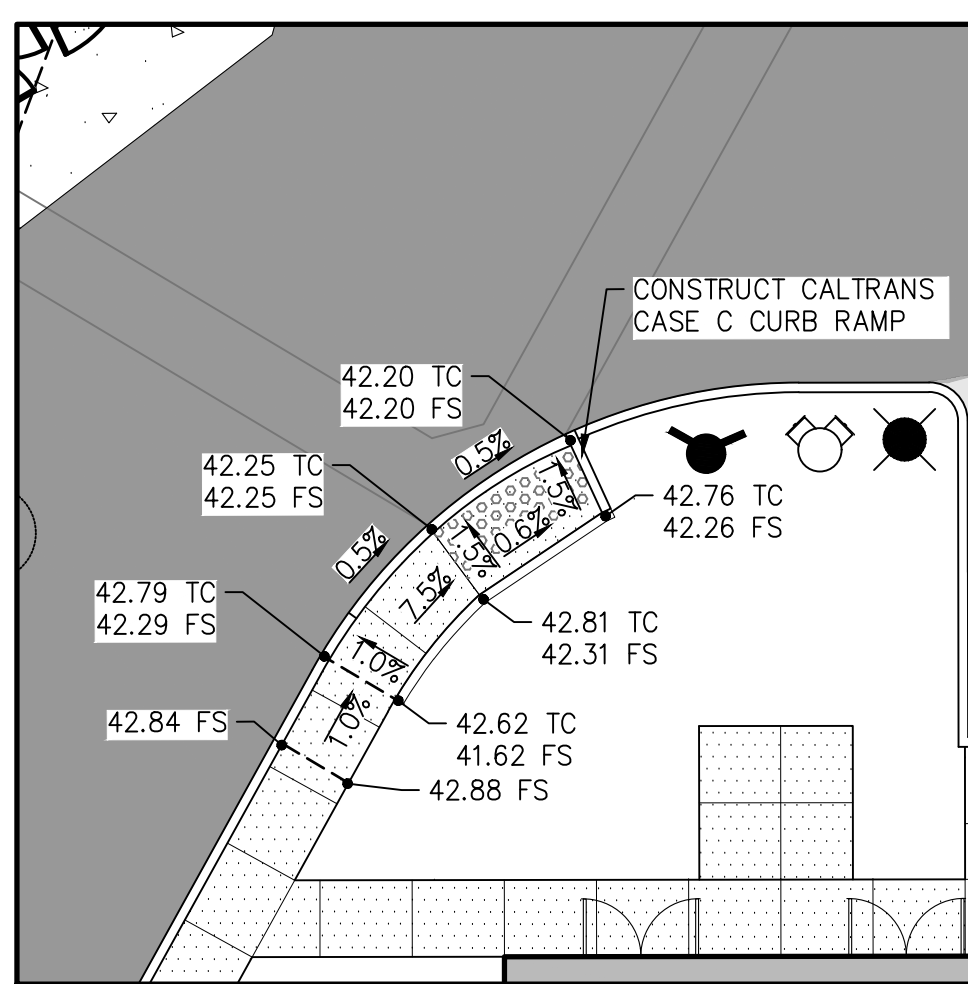
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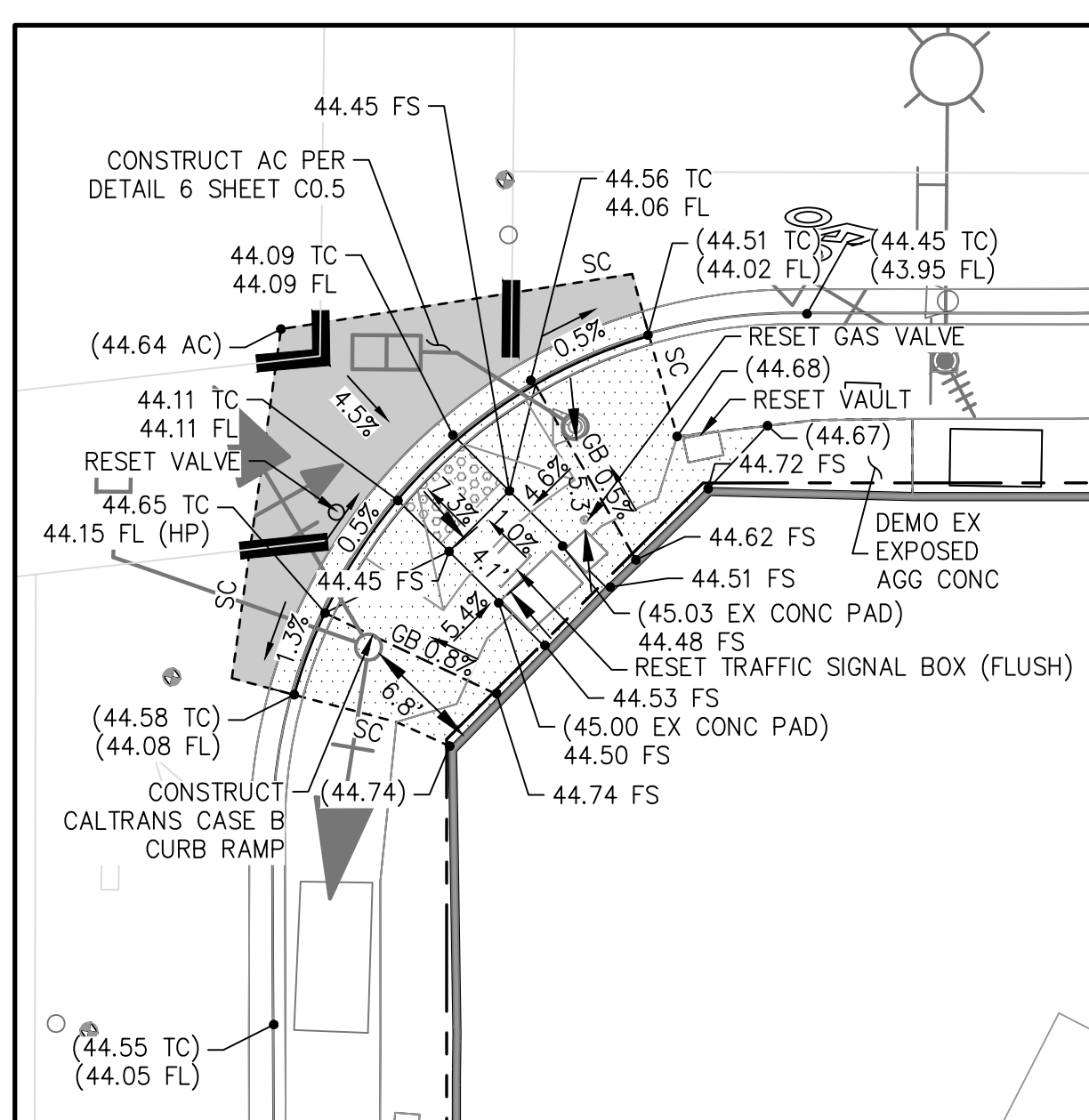
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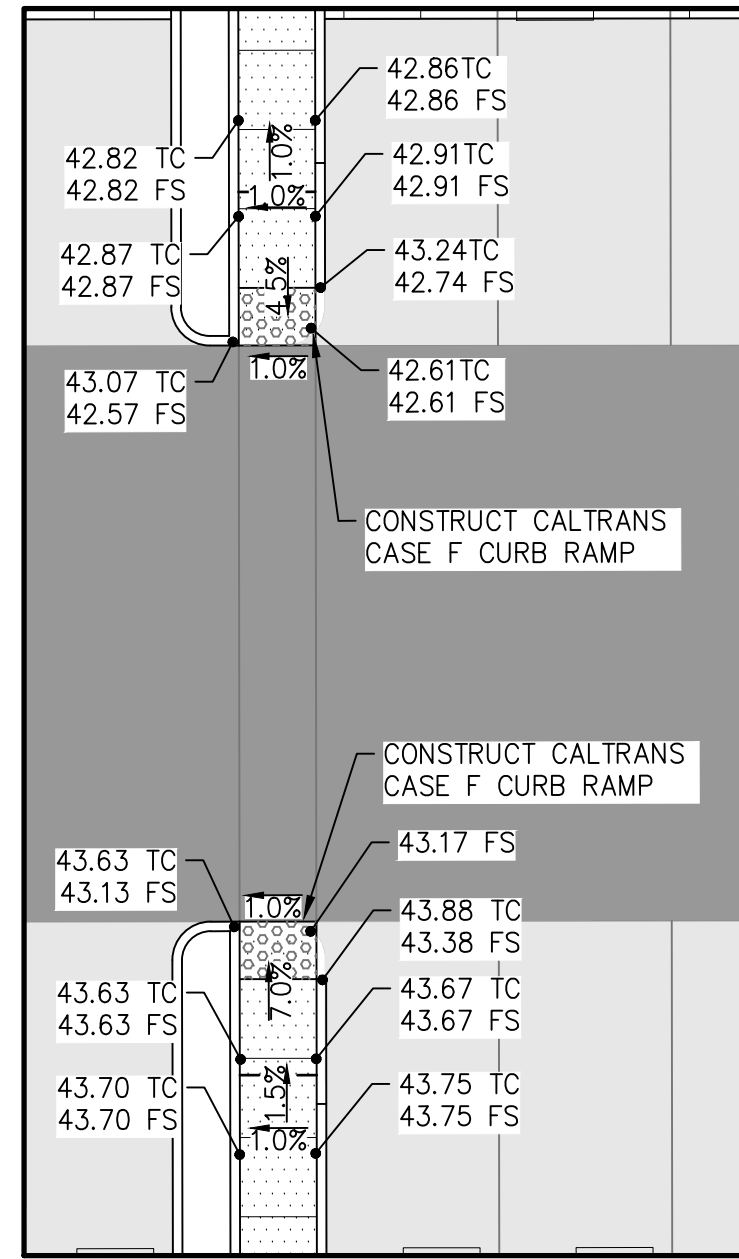
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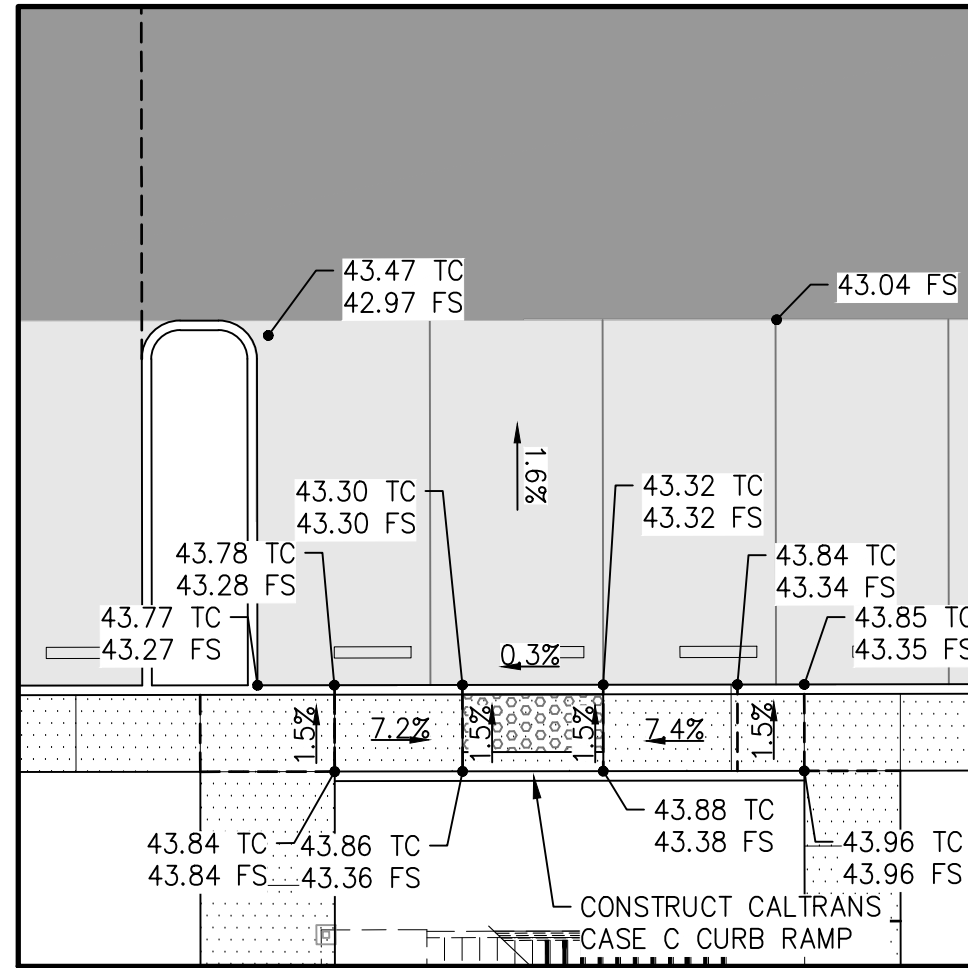
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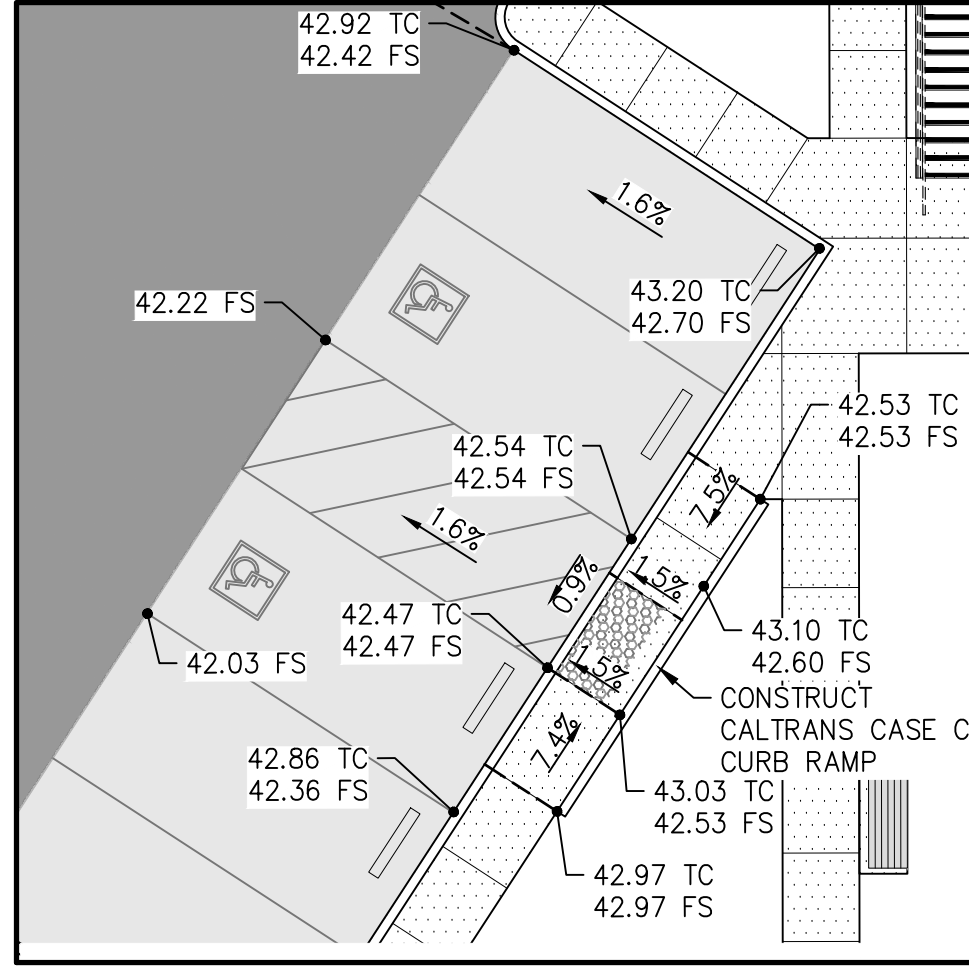
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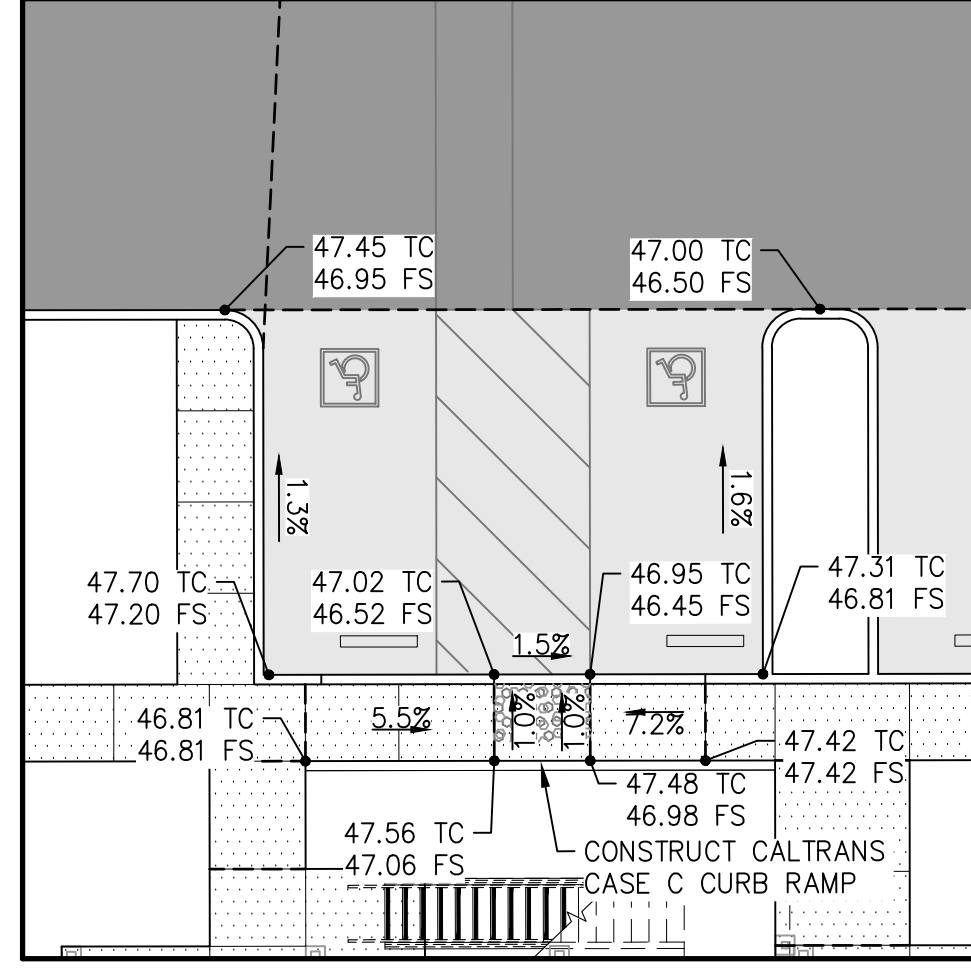
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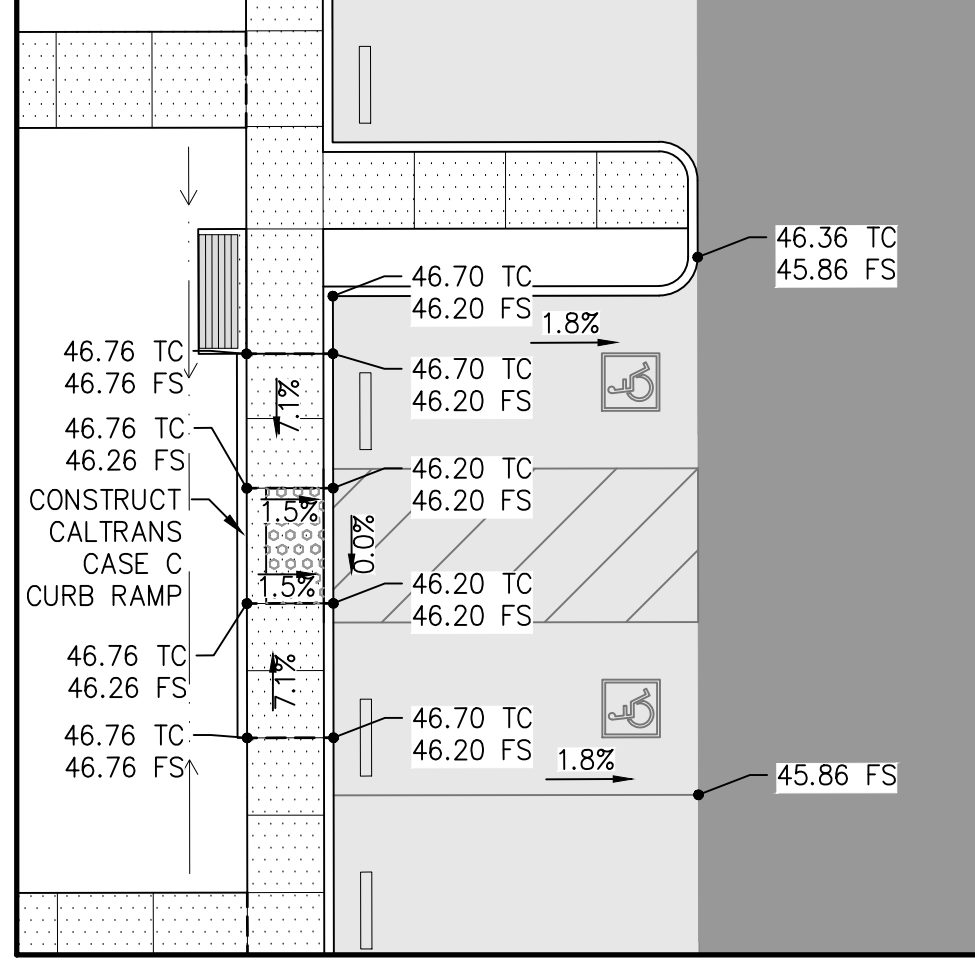
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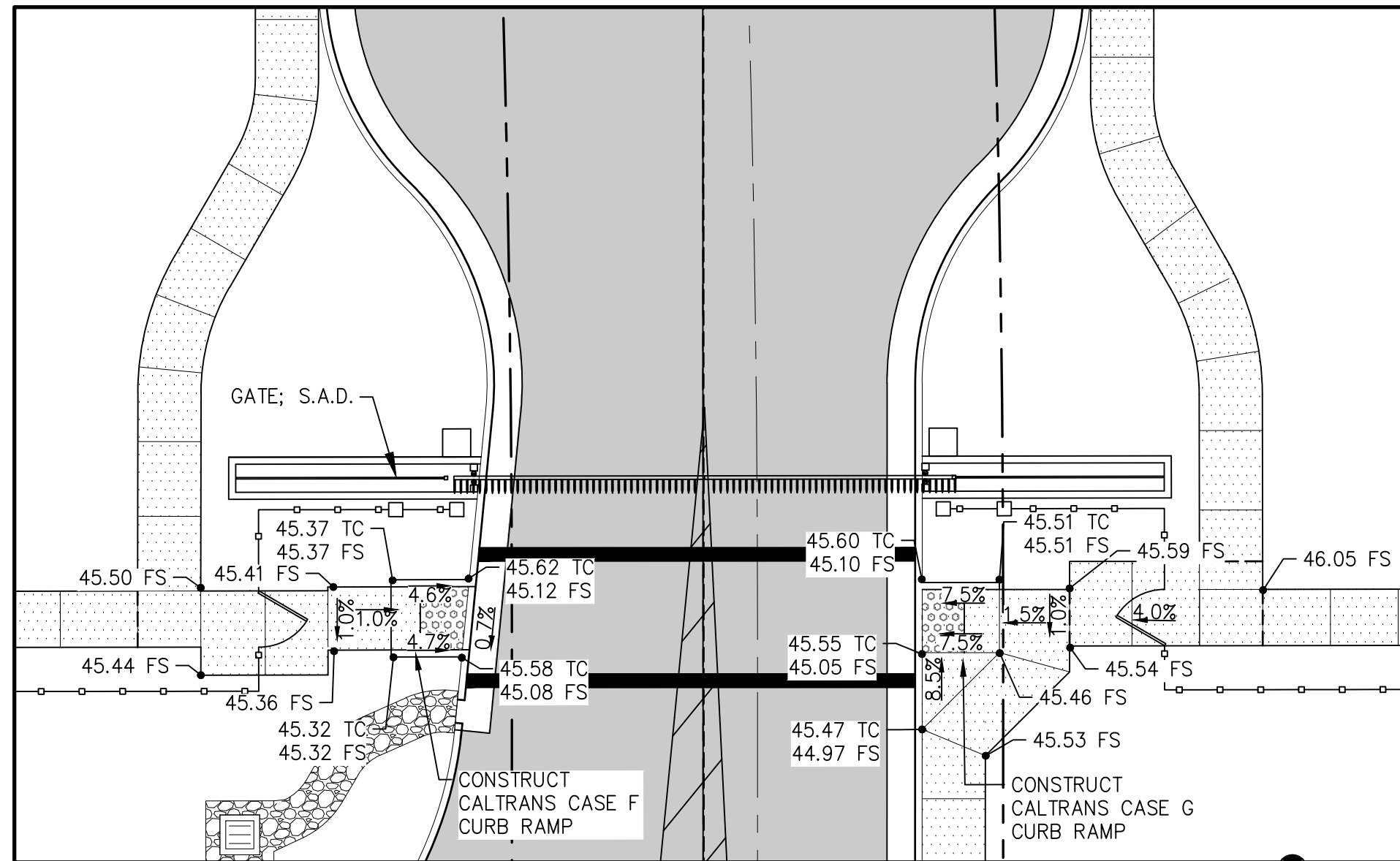
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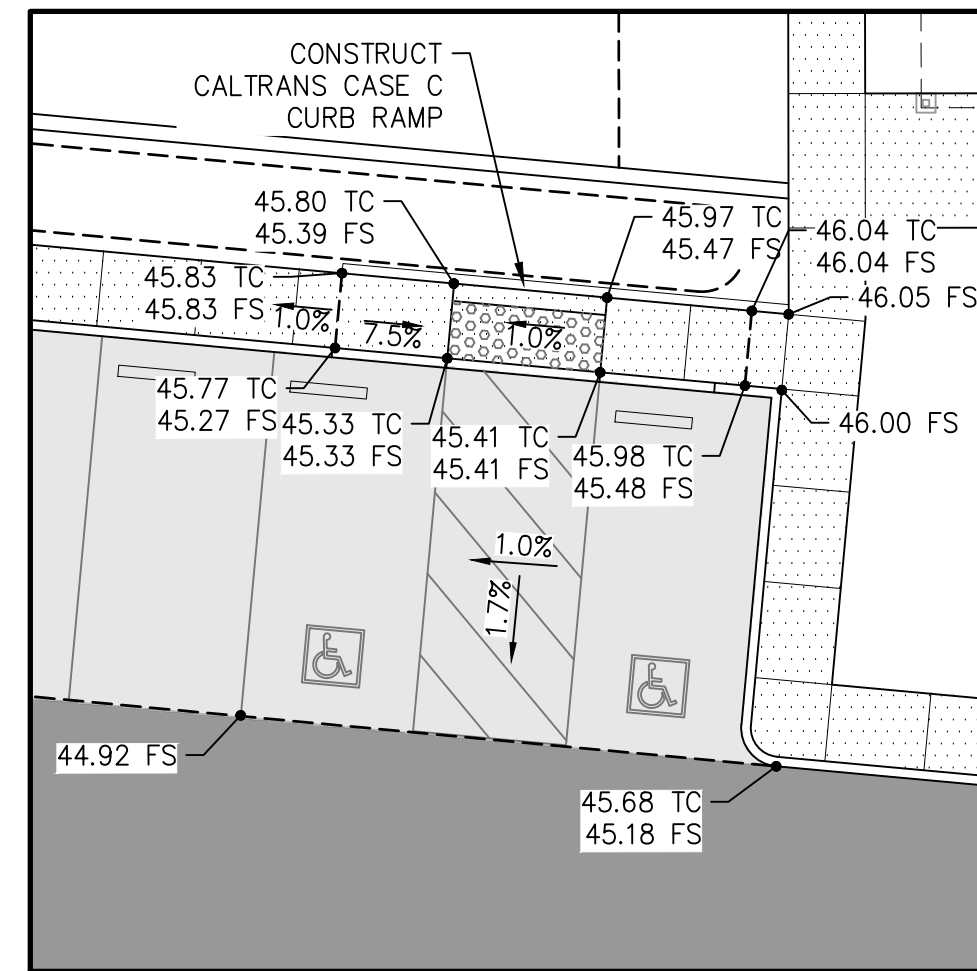
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SCALE: 1" = 10'



DETAIL 5
SCALE: 1" = 10'



DETAIL 6
SCALE: 1" = 10'



DETAIL 7
SCALE: 1" = 10'

Project / Owner:

Harvest Moon Agricultural Employee Housing Project

SALINAS, CA 93907

APN: 261-011-026-000



**Whitson
ENGINEERS**

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Drawn By: GK

Drawing Date: 06/18/2020

Project Number: 3970.00

Revisions:
1 06-18-20 PC#1
2 07-23-20 PC#1-CITY

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Sheet Title:
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DETAILS**

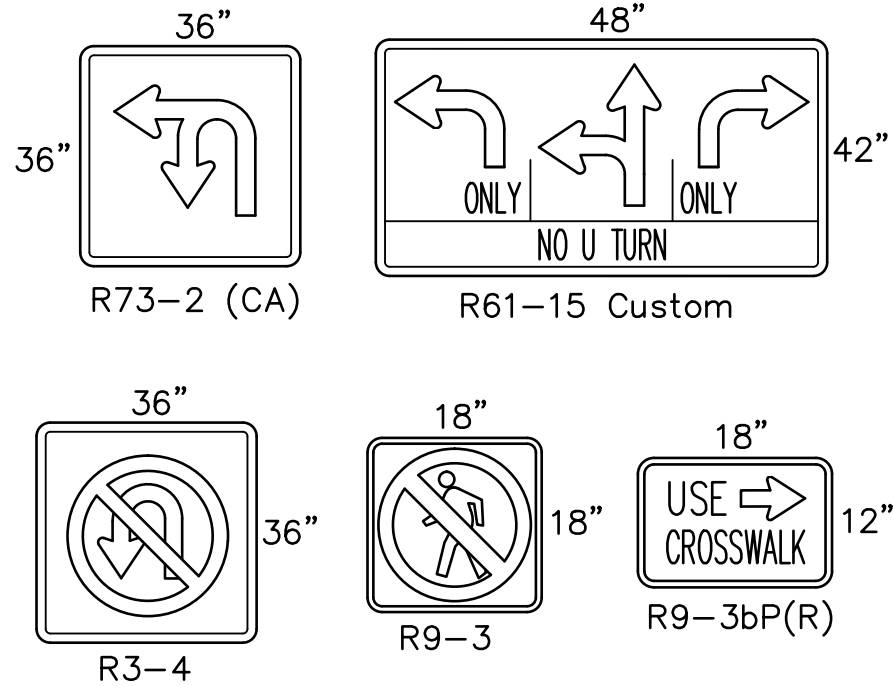
Sheet Number:

C3.2

PROJECT INSTALLATION NOTES

- 1 EXISTING CONTROLLER CABINET ASSEMBLY - FURNISH AND INSTALL AUXILIARY EQUIPMENT NECESSARY TO IMPLEMENT PHASES 5 AND 7 SIGNAL OPERATIONS.
- 2 EXISTING ELECTRICAL SERVICE PEDESTAL - COORDINATE ELECTRICAL SERVICE SHUT DOWN AND RE-ACTIVATION WITH PG&E.
- 3 EXISTING ELECTRICAL SERVICE POINT - COORDINATE ELECTRICAL SERVICE SHUT DOWN AND RE-ACTIVATION WITH PG&E.
- 4 EXISTING STREET LIGHT - REMOVE AND SALVAGE EXISTING STREET LIGHT AND POLE, AND MAINTAIN CITY STREET LIGHTING CIRCUIT (COORDINATE WITH PG&E).
- 5 VEHICLE SIGNAL HEAD VISORS AND BACKPLATES - REMOVE EXISTING VISORS AND BACKPLATES ON POLE MOUNTED SIGNAL HEADS (PHASE 6 AND 8). FURNISH AND INSTALL NEW VISORS (12-INCH MIN.) AND NEW BACKPLATES ON PHASE 6 AND 8 SIGNAL HEADS (POLE MOUNTED).
- 6 VEHICLE SIGNAL HEADS AND BRACKET - REMOVE EXISTING SIGNAL HEADS (PHASE 6 AND 8) AND BRACKET (SV-2-TA) ON SIGNAL POLE. REINSTALL EXISTING PHASE 8 SIGNAL HEAD AND NEW BRACKET (SV-1-T) PER THE POLE AND EQUIPMENT SCHEDULE.
- 7 VEHICLE SIGNAL HEAD - REMOVE EXISTING SIGNAL HEAD (PHASE 8) AT END OF MAST ARM. FURNISH AND INSTALL NEW 4-SECTION SIGNAL HEAD (DETAIL B) ON EXISTING BRACKET.
- 8 PEDESTRIAN SIGNAL AND BRACKET - REMOVE EXISTING PEDESTRIAN SIGNAL HEAD (PHASE 8P) AND BRACKET. FURNISH AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL EQUIPMENT WITH ACCESSIBLE PEDESTRIAN SIGNAL (APS) FEATURES (AUDIBLE TONES FOR CROSSING PHASES) AND NEW BRACKET (SP-1-T).
- 9 VEHICLE SIGNAL HEAD - FURNISH AND INSTALL NEW VEHICLE SIGNAL HEAD (PHASE 5) AT END OF MAST ARM.
- 10 PEDESTRIAN SIGNAL HEADS AND BRACKET - REMOVE EXISTING PEDESTRIAN SIGNAL HEADS (PHASE 2P AND 8P) AND BRACKET (TP-2-T). FURNISH AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL EQUIPMENT (PHASE 2P) WITH ACCESSIBLE PEDESTRIAN SIGNAL (APS) FEATURES (AUDIBLE TONES FOR CROSSING PHASES) AND NEW BRACKET (SP-1-T). INSTALL WATER TIGHT CAP TOP OF EXISTING TYPE 1-A STANDARD AND REPLACE HANDHOLE COVER.
- 11 PEDESTRIAN SIGNAL HEAD AND BRACKET - REMOVE EXISTING PEDESTRIAN SIGNAL HEAD (PHASE 2P) AND BRACKET. FURNISH AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL EQUIPMENT WITH ACCESSIBLE PEDESTRIAN SIGNAL (APS) FEATURES (AUDIBLE TONES FOR CROSSING PHASES) AND NEW BRACKET (SP-1-T).
- 12 PEDESTRIAN PUSH BUTTON (PPB) ASSEMBLY - REMOVE EXISTING PPB ASSEMBLY (PHASE 8PPB) AND PLUG HOLE IN EXISTING STANDARD.
- 13 PEDESTRIAN PUSH BUTTONS (PPB) ASSEMBLIES - REMOVE EXISTING PPB ASSEMBLIES (PHASE 2PPB AND 8PPB). PLUG HOLE IN EXISTING STANDARD. FURNISH AND INSTALL ADA-COMPLIANT ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM (PHASE 8PPB) WITH TACTILE ARROW SYMBOL. PPB UNIT SHALL PROVIDE A STEADY LOCATING TONE CONSISTING OF LOW-VOLUME CLICKING SOUNDS TO ASSIST VISUALLY-IMPAIRED PEDESTRIANS IN LOCATING THE PUSH BUTTON.
- 14 PEDESTRIAN PUSH BUTTON (PPB) ASSEMBLY - REMOVE EXISTING PPB ASSEMBLY (PHASE 2PPB). FURNISH AND INSTALL ADA-COMPLIANT ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM (PHASE 2PPB) WITH TACTILE ARROW SYMBOL. PPB UNIT SHALL PROVIDE A STEADY LOCATING TONE CONSISTING OF LOW-VOLUME CLICKING SOUNDS TO ASSIST VISUALLY-IMPAIRED PEDESTRIANS IN LOCATING THE PUSH BUTTON.
- 15 EXISTING VIDEO DETECTION EQUIPMENT - EXISTING VIDEO DETECTION CAMERA TO REMAIN.

N. Davis Road



PROJECT INSTALLATION NOTES (CONTINUED)

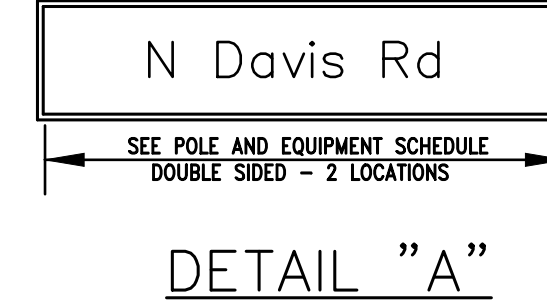
- 16 VIDEO DETECTION EQUIPMENT - FURNISH AND INSTALL VIDEO DETECTION CAMERA AND EQUIPMENT PER THE SPECIFICATIONS AND SPECIAL PROVISIONS.
- 17 VIDEO DETECTION ZONE - VEHICLE / BICYCLE VIDEO DETECTION ZONE (TYPICAL).
- 18 EXISTING EMERGENCY VEHICLE (EMV) DETECTION EQUIPMENT - EXISTING EMV DETECTOR TO REMAIN (MOUNTED ON SIGNAL HEAD).
- 19 EMERGENCY VEHICLE (EMV) DETECTION EQUIPMENT - FURNISH AND INSTALL GTT OPTICOM 721 EMV DETECTOR UNIT ON SIGNAL HEAD, COMPLETE WITH CABLE AND MOUNTING HARDWARE (REFER TO CALTRANS STD. PLAN NO. ES-4E FOR MOUNTING DETAILS).
- 20 EXISTING REFLECTIVE STREET NAME SIGN (RSNS) - EXISTING RSNS TO REMAIN. REFER TO POLE AND EQUIPMENT SCHEDULE FOR RSNS LEGEND.
- 21 REFLECTIVE STREET NAME SIGN (RSNS) - REMOVE EXISTING RSNS BRACKET ON MAST ARM. FURNISH AND INSTALL NEW RSNS (REFER TO DETAIL A) AND STRAP & SADDLE BRACKET (MOUNT TO STANDARD AND MAST ARM). REFER TO POLE AND EQUIPMENT SCHEDULE FOR RSNS LEGEND.
- 22 REFLECTIVE STREET NAME SIGN (RSNS) - FURNISH AND INSTALL RSNS (REFER DETAIL A) AND STRAP & SADDLE BRACKET (MOUNT TO STANDARD AND MAST ARM). REFER TO POLE AND EQUIPMENT SCHEDULE FOR RSNS LEGEND.
- 23 REGULATORY SIGN - REMOVE EXISTING SIGN ON MAST ARM. FURNISH AND INSTALL R61-15 CUSTOM SIGN (48"x42"), MOUNT ON MAST ARM PER DETAIL "U" ON CALTRANS STD. PLAN NO. ES-7N.
- 24 REGULATORY SIGN - REMOVE EXISTING SIGN ON MAST ARM. FURNISH AND INSTALL R73-2 (CA) SIGN (36"x36"), MOUNT ON MAST ARM PER DETAIL "U" ON CALTRANS STD. PLAN NO. ES-7N.
- 25 REGULATORY SIGN - FURNISH AND INSTALL R3-4 SIGN (36"x36"), MOUNT ON MAST ARM PER DETAIL "U" ON CALTRANS STD. PLAN NO. ES-7N.
- 26 REGULATORY SIGNS - FURNISH AND INSTALL R9-3 SIGN (18"x18") AND R9-3bP(R) SIGN (18"x12") ON SIGNAL STANDARD FACING EAST SIDE OF N. DAVIS ROAD. MOUNT SIGNS ON STANDARD PER DETAIL ON CALTRANS STD. PLAN NO. RS4.
- 27 EXISTING REGULATORY SIGNS - REMOVE EXISTING "SPEED CHECKED BY RADAR" SIGN MOUNTED ON SIGNAL STANDARD.
- 28 EXISTING COMMUNICATION ANTENNA - EXISTING SIGNAL COMMUNICATION ANTENNA MOUNTED ON TOP OF SIGNAL STANDARD TO REMAIN.
- 29 EXISTING SERVICE CONDUIT AND CONDUCTORS - EXISTING ELECTRICAL SERVICE CONDUIT AND CONDUCTORS TO REMAIN.
- 30 SIGNAL PULL BOX - REMOVE EXISTING PULL BOX. FURNISH AND INSTALL NEW PULL BOX.

BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT "811"
48 HOURS NOTICE REQUIRED BEFORE ALL PLANNED WORK

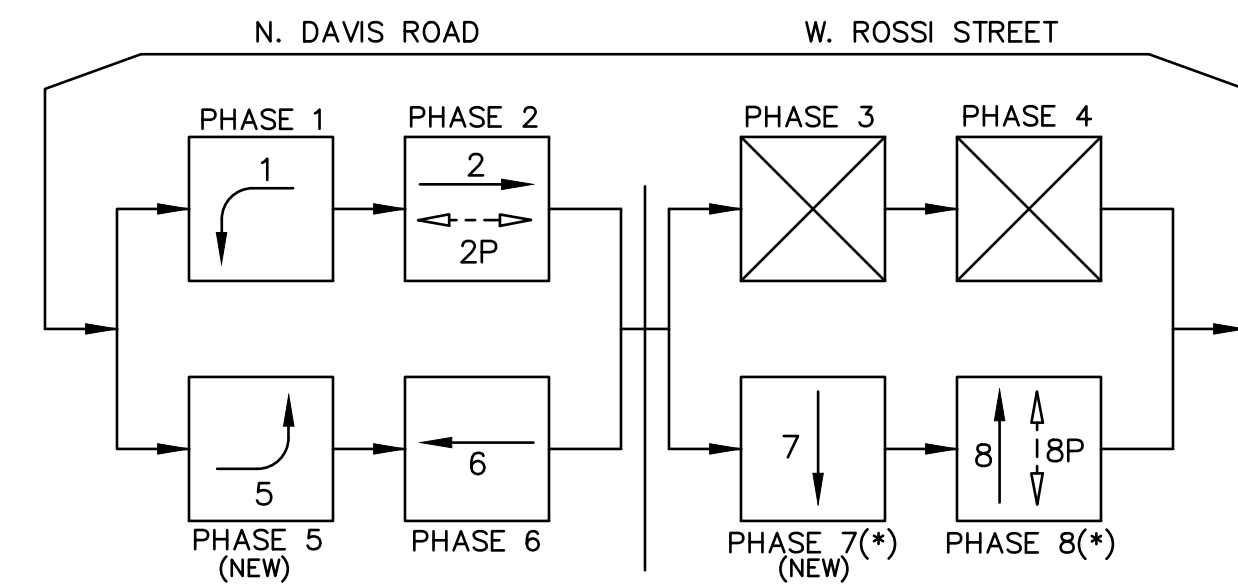
Private Driveway

NOTES:

1. USE 8" UPPER CASE AND 6" LOWER CASE "C" SERIES LETTERS FOR RSNS.
2. USE WHITE LETTERS ON GREEN BACKGROUND (STANDARD).
3. NO SPECIAL BORDER ON SIGN PANEL.
4. CONTRACTOR SHALL SUBMIT FULL SIZE SHOP DRAWING OF SIGN PANEL FOR APPROVAL BY CITY ENGINEER PRIOR TO FABRICATION OF SIGN PANEL.



BARRIER



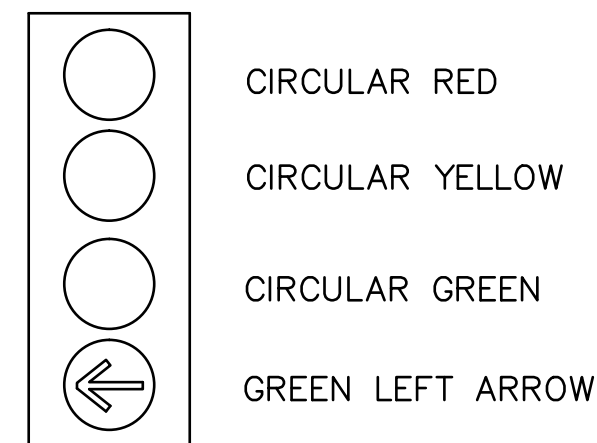
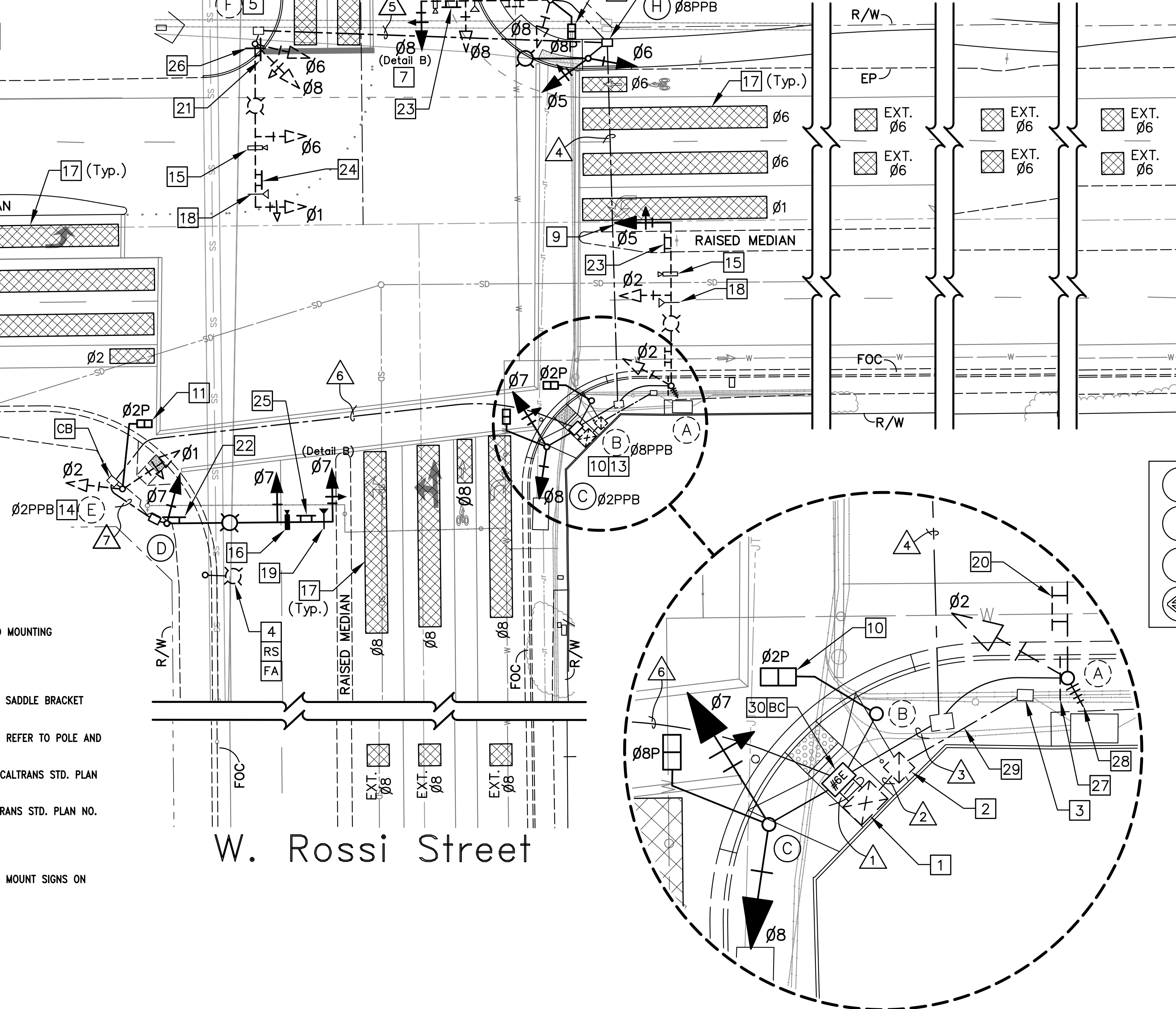
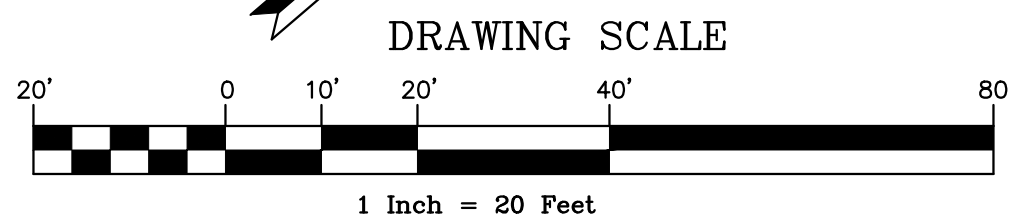
PHASE DIAGRAM

(*) PHASE 7 AND PHASE 8 - SPLIT SIGNAL PHASING OPERATIONS

IN REFERENCE TO THE STATE SPECIFICATIONS AND STANDARD PLANS REFER TO THE CALTRANS 2018 STANDARD SPECIFICATIONS AND STANDARD PLANS.

CALTRANS STANDARD NOTES

- BC INSTALL PULL BOX IN EXISTING CONDUIT RUN
- CB INSTALL CONDUIT INTO EXISTING PULL BOX
- FA FOUNDATION TO BE ABANDONED
- RS REMOVE AND SALVAGE EQUIPMENT



DETAIL "B"

(ø7 & ø8)

Project / Owner:

Harvest Moon Agricultural Employee Housing Project

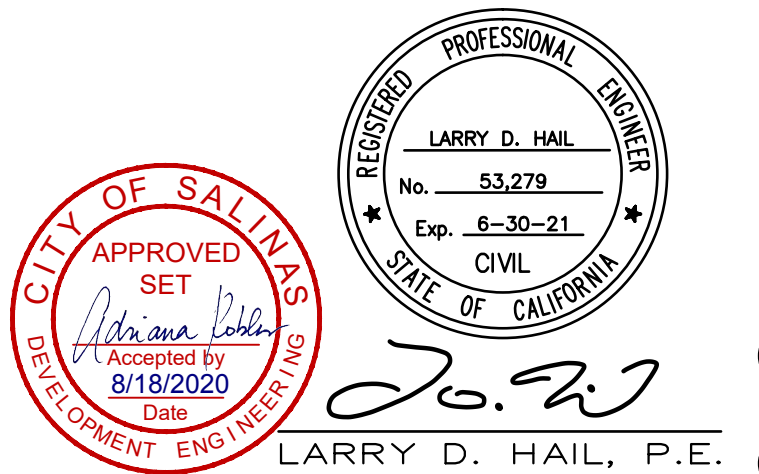
SALINAS, CA 93907

APN: 261-011-026-000

PINNACLE
TRAFFIC ENGINEERING
831 C STREET PINNACLE.CE.COM
HOLLISTER, CA 95023 (831) 638-9260

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Drawn By: LDH
Drawing Date: 04/24/2020
Project Number: 348-A

Revisions:
1 07-20-20 REVISION
2 08-12-20 FOR CONSTRUCTION

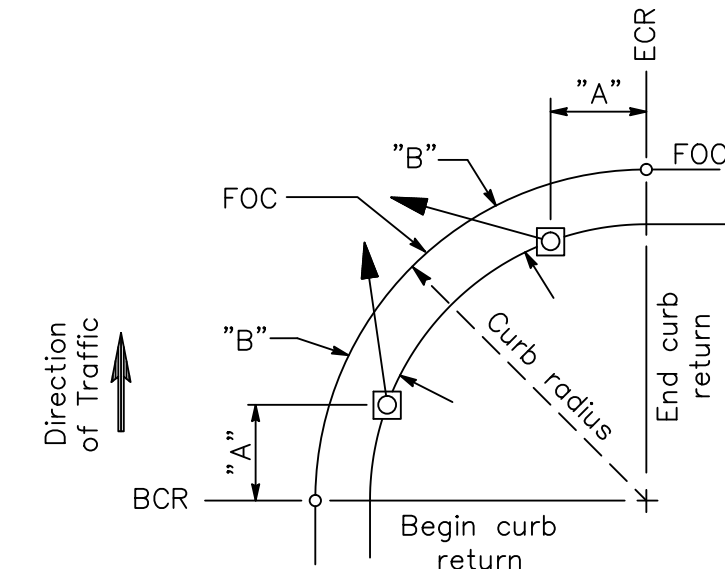
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Sheet Title:
TRAFFIC SIGNAL PLAN

Sheet Number:

C

FOR CONSTRUCTION



POLE LOCATION DETAIL

POLE AND EQUIPMENT SCHEDULE													
LOC	STANDARD			VEHICLE SIGNAL MOUNTING		PEDESTRIAN SIGNAL		PPB		LED LUMINAIRE (WATTS)	STREET LIGHT NUMBER (a)	RSNS	SPECIAL REMARKS
	TYPE	SIG. MAST	LUM. MAST	MAST ARM	POLE	Ø	MOUNTING	Ø	ARROW				
(A)	26-3-70	45'	15'	MAS(N) MAS(E)	SV-1-T	-	-	-	-	101	C507	W. Rossi St	91518202728 Exist. Pole
(B)	1-A	-	-	-	-	2P	SP-1-T	8P	←	-	-	-	1013 Exist. Pole
(C)	1-A (10')	-	-	-	TV-2-T	8P	SP-1-T	2P	→	-	-	-	A=12.3' & B=2.9'
(D)	26-4-100	45'	15'	MAS MAS (F=15')	SV-1-T	-	-	-	-	101	TBD	N Davis Rd	16192225 A=14.8' & B=8.9'
(E)	1-A	-	-	-	TV-2-T	2P	SP-1-T	2P	←	-	-	-	1114 Exist. Pole
(F)	26-3-70	45'	15'	MAS MAS	SV-2-TB	-	-	-	-	101	C506	W Rossi St	51518212426 Exist. Pole
(G)	23-3-70	35'	-	MAS MAS	SV-1-T	8P	SP-1-T	-	-	-	-	N. Davis Rd	6781215182023 Exist. Pole
(H)	15TS (30')	-	15'	-	SV-2-T	-	-	8P	→	101	TBD	-	A=-1.5 & B=3.2'

"F" DIMENSION = DISTANCE BETWEEN END OF MAST ARM AND SIGNAL HEAD MOUNTING.
"a" = STREET LIGHT NUMBERS TO BE ASSIGNED BY PG&E.
"TBD" = TO BE DETERMINED.

TRAFFIC SIGNAL GENERAL NOTES

- THESE PLANS ARE ACCURATE FOR TRAFFIC SIGNAL AND LIGHTING ELECTRICAL WORK ONLY.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT COMPLETE-IN-PLACE (IE: TRAFFIC SIGNAL POLES, MAST ARMS, LUMINAIRES, PULL BOXES, SIGNAL HEADS, BRACKETS, ETC.), AS SPECIFIED ON THE PLANS AND IN THE SPECIFICATIONS AND SPECIAL PROVISIONS. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTAL WORK REQUIRED FOR THE PROJECT.
- EXCEPT AS OTHERWISE SPECIFIED, ALL WORK AND MATERIALS SHALL CONFORM TO AND BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CITY OF SALINAS STANDARD SPECIFICATIONS, DESIGN STANDARDS, AND STANDARD PLANS (2008 EDITION, UPDATED MARCH 2017), AND STATE (CALTRANS) STANDARD PLANS AND SPECIFICATIONS (2018), THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THESE PLANS, AND THE CONTRACT SPECIFICATIONS AND SPECIAL PROVISIONS. IN CASE OF CONFLICT BETWEEN SAID DOCUMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY AS DETERMINED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL VERIFY WITH THE CITY ENGINEER FOR THE PRECISE LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT AND ACCESS RAMPS PRIOR TO INSTALLATION. ANCHOR BOLTS FOR THE TRAFFIC SIGNAL POLE FOUNDATIONS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO POURING OF FOUNDATION CONCRETE. CONTRACTOR SHALL ALSO VERIFY AND LAYOUT ALL NEW CONDUIT RUNS WHICH SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
- THE EXISTING FACILITIES SHOWN ON THESE PLANS ARE DESIGNATED AS CLOSELY AS POSSIBLE TO REPRESENT EXISTING CONDITIONS; HOWEVER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXISTENCE AND EXACT LOCATIONS OF ALL UNDERGROUND AND OVERHEAD UTILITY FACILITIES AND TO PROTECT THEM FROM ANY DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND OR OVERHEAD UTILITY FACILITIES DAMAGED BY HIS/HER OPERATIONS. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A. - TELEPHONE NUMBER "811") FORTY-EIGHT (48) HOURS PRIOR TO PERFORMING ANY TRENCHING OR EXCAVATION WORK.
- CONTRACTOR SHALL INSTALL STREET LIGHT NUMBERS (LETTER AND NUMBER) ON SIGNAL POLES AND SHALL FACE ON COMING TRAFFIC AT A FORTY-FIVE DEGREE (45°) ANGLE. STREET LIGHT NUMBERING LEGEND SHALL BE TWO AND ONE-HALF INCHES (2 1/2") HIGH, SERIES "D" LETTERS AND NUMBERS, YELLOW WITH BLACK BACKGROUND, REFLECTIVE VINYL, ADHESIVELY BACKED LETTER (PANDUIT PRL 250 YB-C, A TO Z) AND NUMBER (PANDUIT PRL 250 YB 0 TO 9); OR APPROVED EQUAL. NUMBERS SHALL BE INSTALLED ON THE POLE SEVEN FEET (7') FROM FINISHED GRADE TO THE TOP NUMBER. NUMBERS SHALL READ TOP TO BOTTOM. REFER TO CITY OF SALINAS STANDARD PLAN 52 (STREET LIGHT POLE AND NUMBER LOCATION).
- ALL VEHICLE (RED, AMBER AND GREEN) AND PEDESTRIAN (PORTLAND ORANGE AND LUNAR WHITE) SIGNAL FACES SHALL BE CALTRANS APPROVED "LIGHT EMITTING DIODE" (LED) SIGNAL MODULES AS ADOPTED BY THE "INSTITUTE OF TRANSPORTATION ENGINEERS" (ITE). ALL LENSES ON VEHICLE SIGNAL HEADS SHALL BE TWELVE INCHES (12") IN DIAMETER WITH BACK PLATES AND VISORS. SCREWS SHALL BE PLACED IN ALL BACKPLATE SCREW HOLES.
- ALL NEW PEDESTRIAN SIGNAL INDICATIONS SHALL BE LIGHT EMITTING DIODE (LED) MODULES WITH NUMERICAL COUNTDOWN DISPLAY IN COMBINATION WITH THE STANDARD PORTLAND ORANGE "UPRAISED HAND" AND WHITE "WALKING PERSON" SYMBOLS. THE PEDESTRIAN SIGNAL EQUIPMENT INSTALLED SHALL BE EQUIPPED WITH ACCESSIBLE PEDESTRIAN SIGNAL (APS) FEATURES, INCLUDING AUDIBLE TONES FOR THE CROSSING PHASES. THE LED PEDESTRIAN SIGNAL MODULES SHALL CONFORM TO CURRENT CALTRANS SPECIFICATIONS AND CALIFORNIA MUTCD REQUIREMENTS.
- PEDESTRIAN PUSH BUTTONS (PPB) SHALL BE ADA-COMPLIANT (APS) AND SHALL INCORPORATE A TACTILE HORIZONTAL ARROW SYMBOL THAT VIBRATES DURING THE "WALK" INTERVAL OF THE ASSOCIATED PEDESTRIAN PHASE. PPB UNITS SHALL ALSO PROVIDE A STEADY LOCATING TONE CONSISTING OF LOW-VOLUME CLICKING SOUNDS TO ASSIST VISUALLY-IMPAIRED PEDESTRIANS IN LOCATING THE PUSH BUTTON.
- ALL WORK IS TO BE SCHEDULED AND COORDINATED WITH THE CONSTRUCTION ACTIVITIES OF THE UTILITY COMPANIES AND OTHER CONTRACTORS WORKING IN THE AREA.
- IN THE EVENT OF ANY CONFLICT OF INFORMATION SHOWN ON THE PLANS AND IN THE SPECIFICATIONS AND SPECIAL PROVISIONS OR ANY CONFLICT BETWEEN THE PLANS AND THE INTENT FOR A CONSISTENT AND COMPLETELY FUNCTIONAL TRAFFIC SIGNAL FACILITY, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IN WRITING, UPON WHICH TIME THE CITY ENGINEER SHALL RESOLVE THE CONFLICT BY THE ISSUANCE OF A WRITTEN CHANGE ORDER BY REVISING PLANS, SPECIFICATIONS, OR BOTH. THE CONTRACTOR SHALL BEAR FULL COSTS AND RESPONSIBILITY FOR WORK AFFECTED BY SUCH UNRESOLVED CONFLICTS AND PERFORMED BY THE CONTRACTOR PRIOR TO THE RESOLUTION BY THE CITY ENGINEER.
- CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY EXISTING TREES, SHRUBS, GROUND COVER, GRASS, IRRIGATION SYSTEMS, UTILITIES, SIGNAL EQUIPMENT, AND SURFACE IMPROVEMENTS THAT ARE TO REMAIN IN PLACE AND SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGES THERETO.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY OF SALINAS AND THE CITY ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACTOR'S WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OF SALINAS OR THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT FINISHED AREAS OF THIS PROJECT ARE PROTECTED FROM ANY DAMAGE THAT MAY RESULT FROM ADJACENT AREAS STILL UNDER CONSTRUCTION.
- ALL NEW PULL BOXES SHALL BE NO. 5, EXCEPT AS OTHERWISE NOTED ON PLANS. PULL BOXES SHALL HAVE A MAXIMUM SPACING OF 200 FEET.
- ALL SIGNAL STANDARDS WITH PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED WITHIN FIVE FEET (5') OF THE NEAREST PEDESTRIAN ACCESS RAMP.
- THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE WILL COORDINATE AND LAYOUT ALL TRAFFIC SIGNAL POLE LOCATIONS PRIOR TO THE FOUNDATION INSTALLATION.
- EXISTING WATER LINE 70-80 P.S.I. BETWEEN THE HOURS OF 6AM AND 5PM UNLESS NOTED OTHERWISE ON THE PLANS. EXISTING GAS LINE 60 P.S.I. (AVERAGE) UNLESS NOTED OTHERWISE ON PLANS.
- VIDEO DETECTION IS INCLUDED WITH THIS DESIGN PROJECT. REFER TO THE SPECIFICATIONS AND SPECIAL PROVISIONS FOR INFORMATION REGARDING THE INSTALLATION OF VIDEO DETECTION EQUIPMENT.
- STREET LIGHT NUMBERS SHALL BE ASSIGNED BY PG&E ONCE STREET LIGHT FOUNDATION IS POURED IN PLACE, WITHIN TEN (10) WORKING DAYS.
- ALL CONDUIT BETWEEN SIGNAL POLE FOUNDATIONS AND THE NEAREST PULL BOX SHALL BE 2 INCH (2") MINIMUM SCHEDULE 40 PVC, UNLESS DESIGNATED OTHERWISE ON THE PLANS.
- THE CONTRACTOR SHALL POT HOLE AND LOCATE ALL EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK PRIOR TO THE ORDERING ANY TRAFFIC SIGNAL POLES. IF IT IS DETERMINED BY THE CITY ENGINEER THAT THERE IS A POTENTIAL CONFLICT WITH TRAFFIC SIGNAL POLE FOUNDATIONS, THE DESIGN ENGINEER SHALL BE CONTACTED TO RESOLVE SAID CONFLICT.

BEFORE EXCAVATING CALL U.S.A.
UNDERGROUND SERVICE ALERT
"811"
48 HOURS NOTICE REQUIRED
BEFORE ALL PLANNED WORK

CONDUCTOR AND CONDUIT SCHEDULE												
AWG OR CABLE	CONDUCTOR DESIGNATION	CONDUIT RUN NUMBER										
		NUMBER OF CONDUCTORS AND CABLES										
		1	2	3	4	5	6	7				
#14	Ø 1 SIGNAL (N)	6		3	3	3	3					
	Ø 2 SIGNAL (N)	6		3			3					
	Ø 5 SIGNAL (N)	3		3	3							
	Ø 6 SIGNAL (N)	3		3	3	3						
	Ø 7 SIGNAL (N)	6					3	3				
	Ø 8 SIGNAL (N)	6		3	3	3						
	Ø 2 PEDESTRIAN (N)	4					2					
	Ø 8 PEDESTRIAN (N)	4		2	2							
	Ø 2 PPB (N)	2					1					
	Ø 8 PPB (N)	2		1	1							
	PPB COMMON (N)	4		1	1		1					
	SPARES (N)	12		3	3	3	3	3				
	TOTAL #14	58		22	19	12	16	6				
#10	SIGNAL COMMON (N)	4		1	1	1	1	1				
	LED LUMINAIRE (N)	4	4	2	2	2	2	2				
	TOTAL #10	8	4	3	3	3	3	3				
#6	120V SERVICE (E)		3									
EMV	PRE-EMP. CABLE (E)	4		3	2	1	1	1				
VIDEO AND POWER CABLE (E)		4		3	2	1	1 N	1 N				
COMM. ANTENNA CABLE (E)		1		1								
CONDUIT SIZE		2-3"	1.5"	2-3"	3"	4"	3"	4"				
CONDUIT STATUS		(E)	(E)	(E)	(E)	(N)	(E)	(N)				
CONDUIT FILL RATIO		17%	18%	9%	13%	5%	9%	4%				

EXISTING CONDUIT SIZES AND EXISTING NUMBER OF CONDUCTORS IS BASED ON THE PREVIOUS TRAFFIC SIGNAL MODIFICATION PLAN (DATED DEC. 3, 1999).
(E) = DENOTES EXISTING CONDUIT AND EXISTING CONDUCTORS.
(N) = DENOTES NEW CONDUIT AND EXISTING CONDUCTORS.

Project / Owner:

Harvest Moon
Agricultural
Employee
Housing Project

SALINAS, CA 93907

APN: 261-011-026-000

PINNACLE
TRAFFIC ENGINEERING
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LARRY D. HAIL, P.E.

Drawn By: LDH
Drawing Date: 04/24/2020
Project Number: 348-A

Revisions:
1 07-20-20 REVISION
2 08-12-20 FOR CONSTRUCTION

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Sheet Title:
TRAFFIC SIGNAL NOTES
AND SCHEDULES

Sheet Number:

C

FOR CONSTRUCTION

Harvest Moon
Agricultural
Employee
Housing Project

SALINAS, CA 93907

APN: 261-011-026-000



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Drawn By:

GK

Drawing Date:

06/18/2020

Project Number:

3970.00

Revisions:

1 06-18-20 PC#1

2 07-23-20 PC#1-CITY

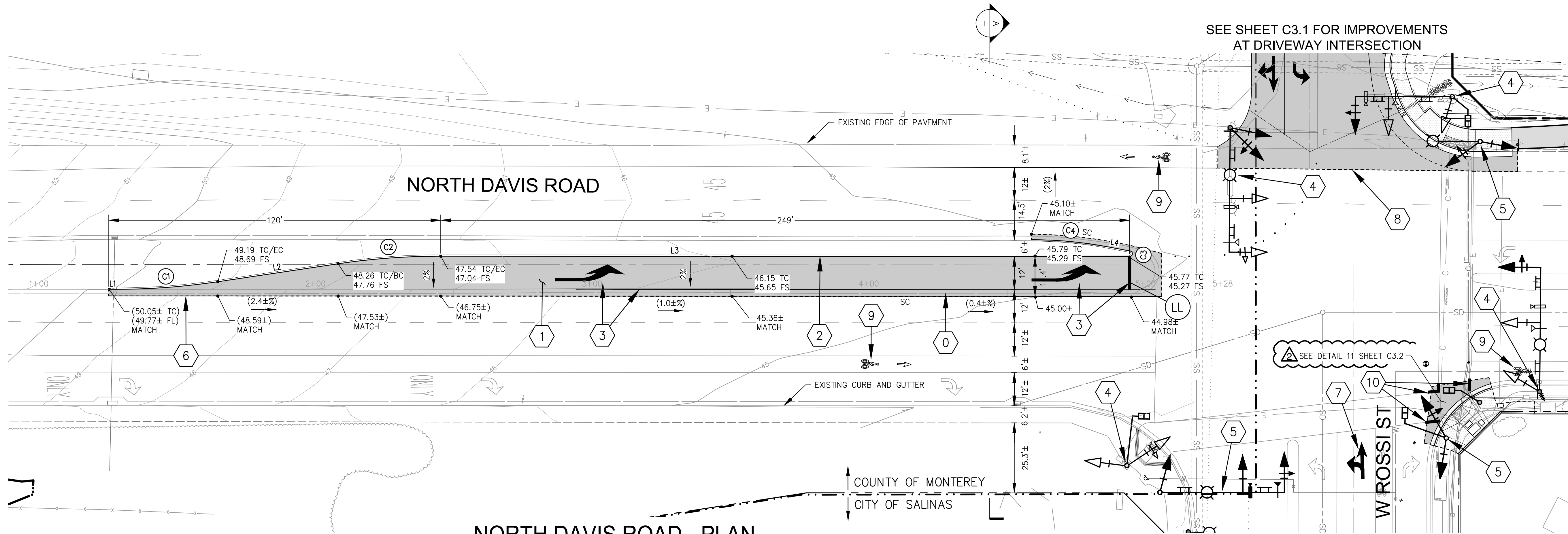
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Sheet Title:

OFF-SITE
IMPROVEMENT
PLAN-NORTH DAVIS

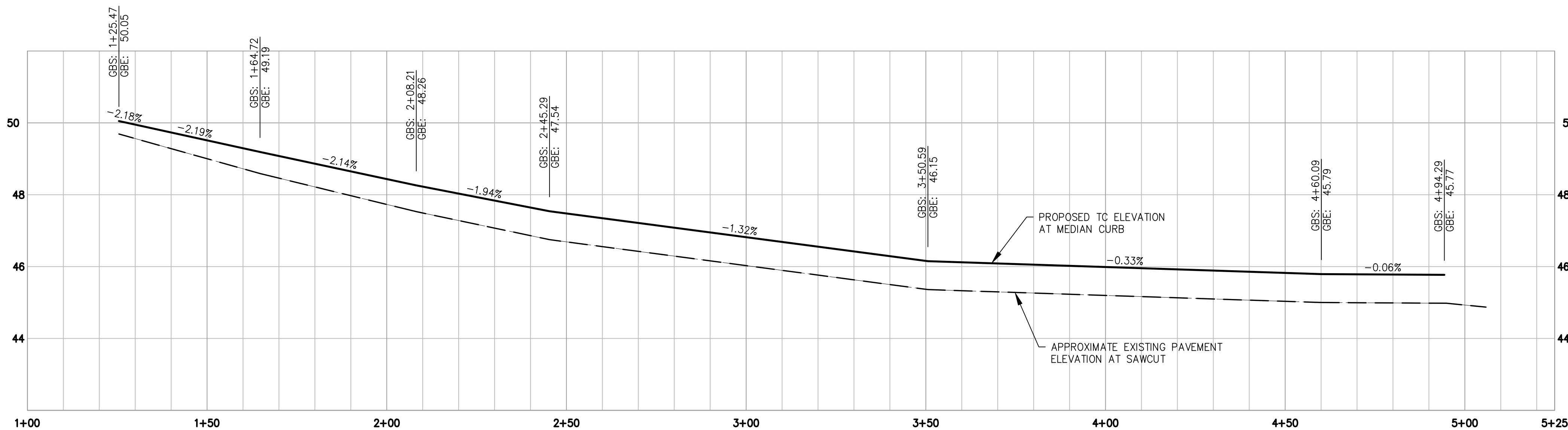
Sheet Number:

C4.1



NORTH DAVIS ROAD - PLAN

SCALE: HORIZONTAL 1" = 20'



NORTH DAVIS ROAD - PROFILE

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

CONSTRUCTION KEYNOTES:

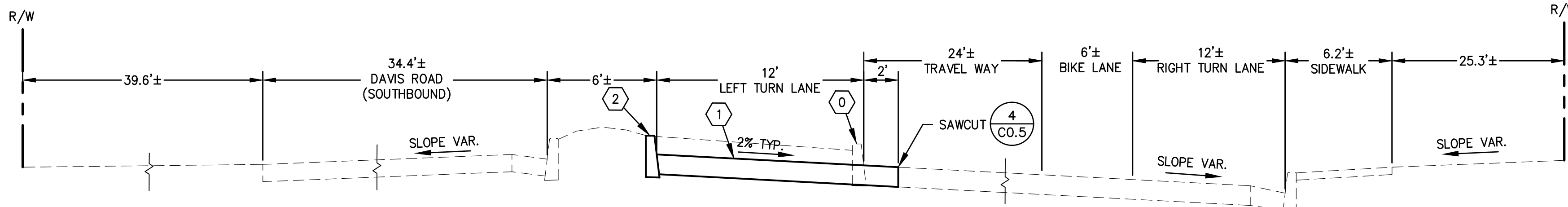
1. DEMOLISH EXISTING CONCRETE VERTICAL CURB.
2. CONSTRUCT AC PAVEMENT PER DETAIL 6 ON SHEET C0.5.
3. CONSTRUCT VERTICAL CURB "TYPE B" PER CITY OF SALINAS STANDARD PLANS
4. TYPE III (L) LEFT TURN ARROW, TURN LANE STRIPING (TYPE 3B), AND LIMIT LINE. SEE NOTES ON SHEET C0.6.
5. EXISTING SIGNAL, POLE, ETC. TO REMAIN. SEE SHEETS C3.3 & C3.4 FOR TRAFFIC SIGNAL IMPROVEMENTS.
6. PROPOSED SIGNAL, POLE, ETC. SEE SHEETS C3.3 & C3.4 FOR TRAFFIC SIGNAL IMPROVEMENTS.
7. SAWCUT 2' FROM FACE OF CURB. SEE DETAIL 4 ON SHEET C0.5
8. REMOVE LEFT TURN ARROW AND REPLACE WITH TYPE VII (L) ARROW
9. REMOVE EXISTING FOG LINE (APPROXIMATELY 90 LF)
10. BIKE LANE SYMBOL AND ARROW. SEE NOTES ON SHEET C0.6.
11. REPLACE EXISTING CROSSWALK STRIPING.

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N40°49'07"E	2.17'
L2	N32°17'14"E	43.97'
L3	N40°49'04"E	249.00'
L4	N51°24'24"E	8.27'

CURVE DATA			
CURVE	DELTA	RADIUS	LENGTH
C1	8°31'54"	250.00'	37.23'
C2	8°31'51"	250.00'	37.22'
C3	169°24'40"	1.00'	2.96'
C4	10°35'45"	150.00'	27.74'

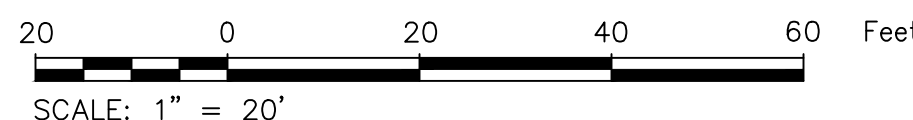
NOTE:

CONTRACTOR SHALL SUBMIT FOR A COUNTY OF MONTEREY ENCROACHMENT PERMIT, AND SUBMIT A TRAFFIC CONTROL PLAN FOR WORK WITHIN THE COUNTY RIGHT OF WAY.



TYPICAL SECTION (LOOKING NORTH)

SCALE: NONE



SCALE: 1" = 20'

Harvest Moon Agricultural Employee Housing Project

SALINAS, CA 93907

APN: 261-011-026-000



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Drawn By: GK
Drawing Date: 06/18/2020
Project Number: 3970.00

Revisions:
1 06-18-20 PC#1
2 07-23-20 PC#1-CITY

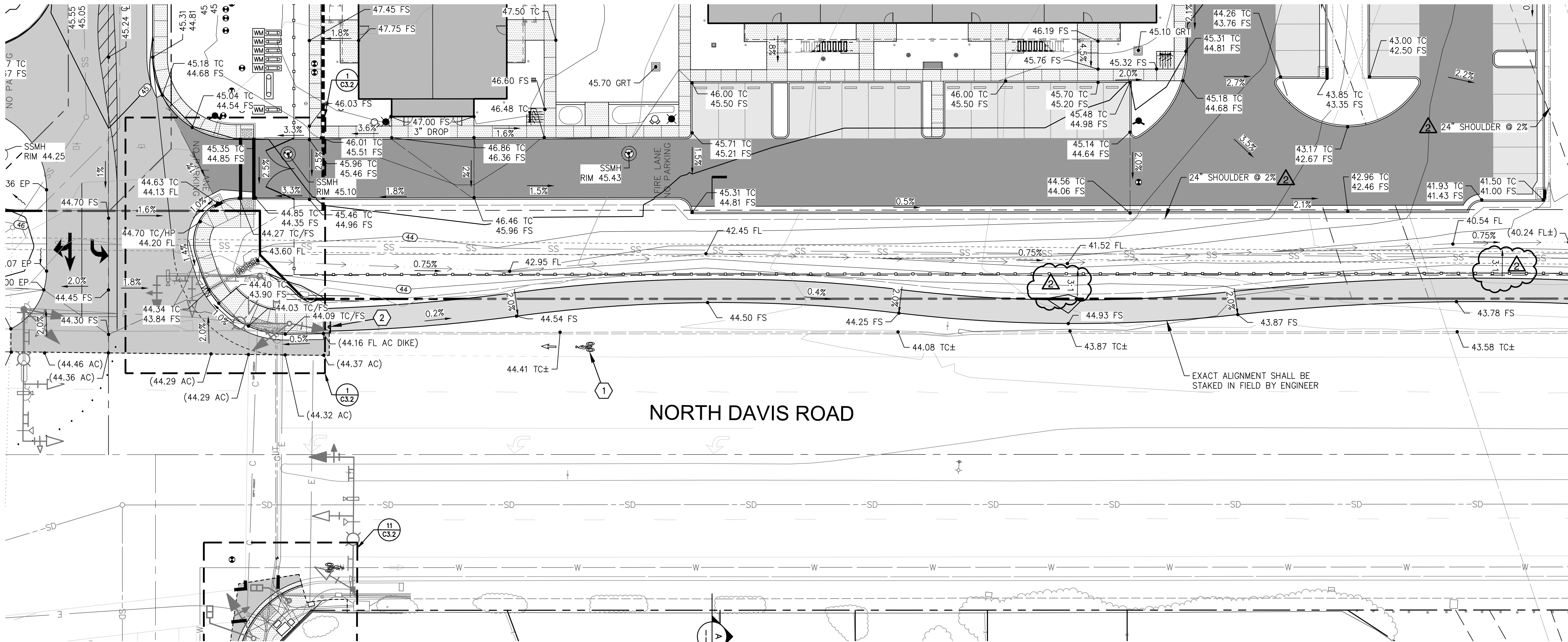
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Sheet Title:
OFF-SITE PEDESTRIAN WALKWAY

Sheet Number:

C4.2

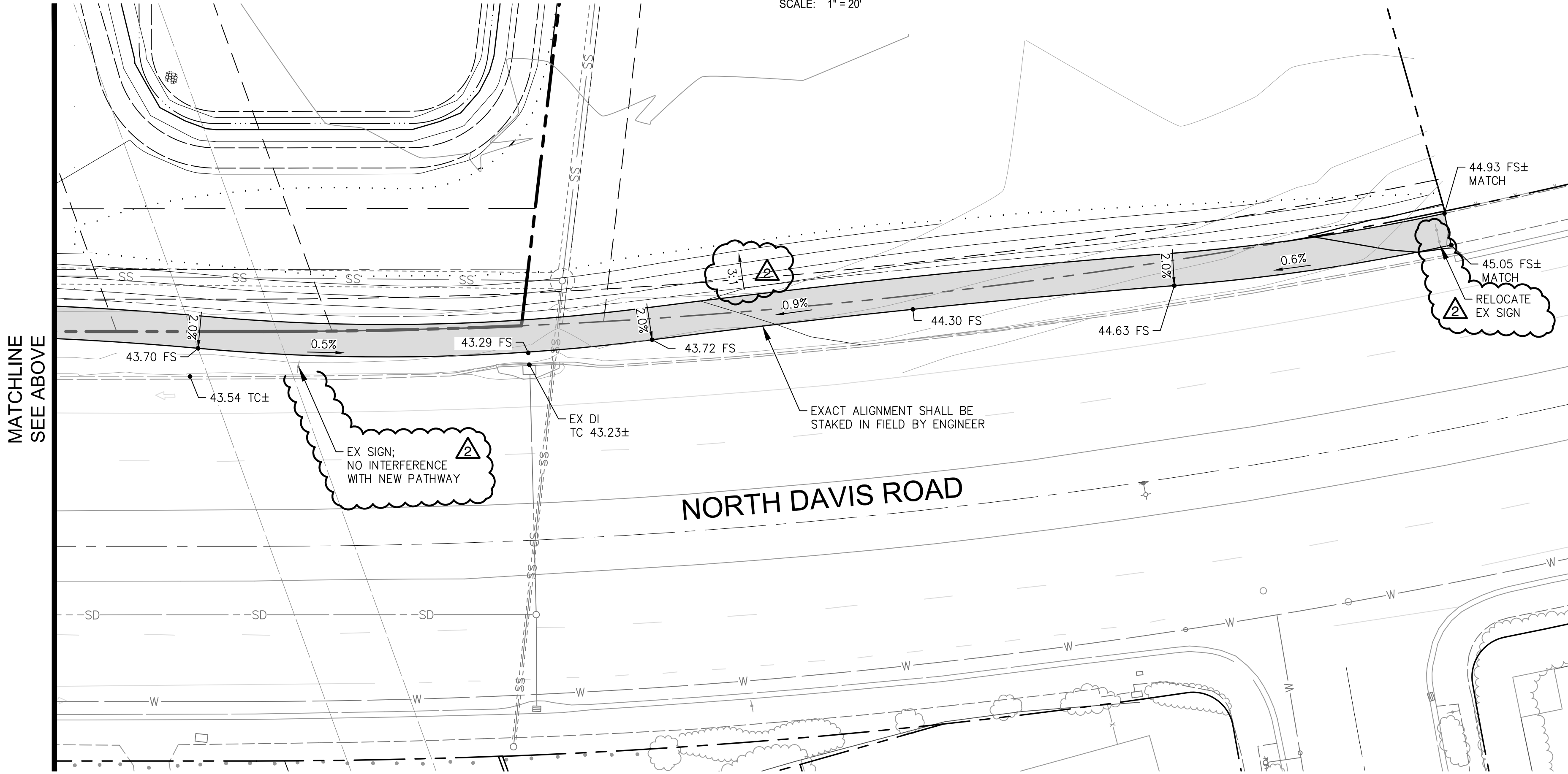
SEE SHEET C1.5



NORTH DAVIS ROAD

NORTH DAVIS ROAD - PEDESTRIAN WALKWAY

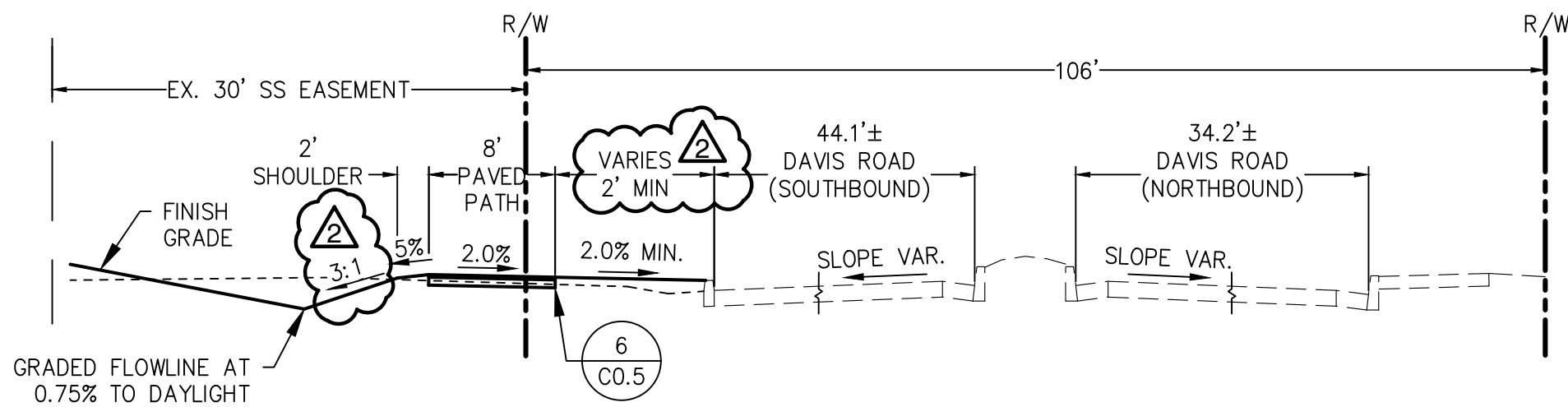
SCALE: 1" = 20'



NORTH DAVIS ROAD

CONSTRUCTION KEYNOTES:

- BIKE LANE SYMBOL AND ARROW. SEE NOTES ON SHEET C0.6.
- R81(CA) BIKE LANE SIGN. SEE NOTES ON SHEET C0.6.



TYPICAL SECTION - PEDESTRIAN WALKWAY

SCALE: 1" = 10'

20 0 20 40 60 Feet
SCALE: 1" = 20'

Harvest Moon
Agricultural
Employee
Housing Project

800 & 801 W. ROSSI ST
SALINAS, CA 93908

APN: 261-011-026



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ARCHITECTS
425 PACIFIC STREET #201
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831.646.1383 • BFSLA.COM

Drawn By: AC
Drawing Date: 08/14/20
Project Number: 1968

1	06-18-20	PC#1
2	07-28-20	REVISION
3	08-14-20	FOR CONSTRUCTION

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Sheet Title:

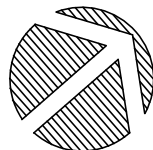
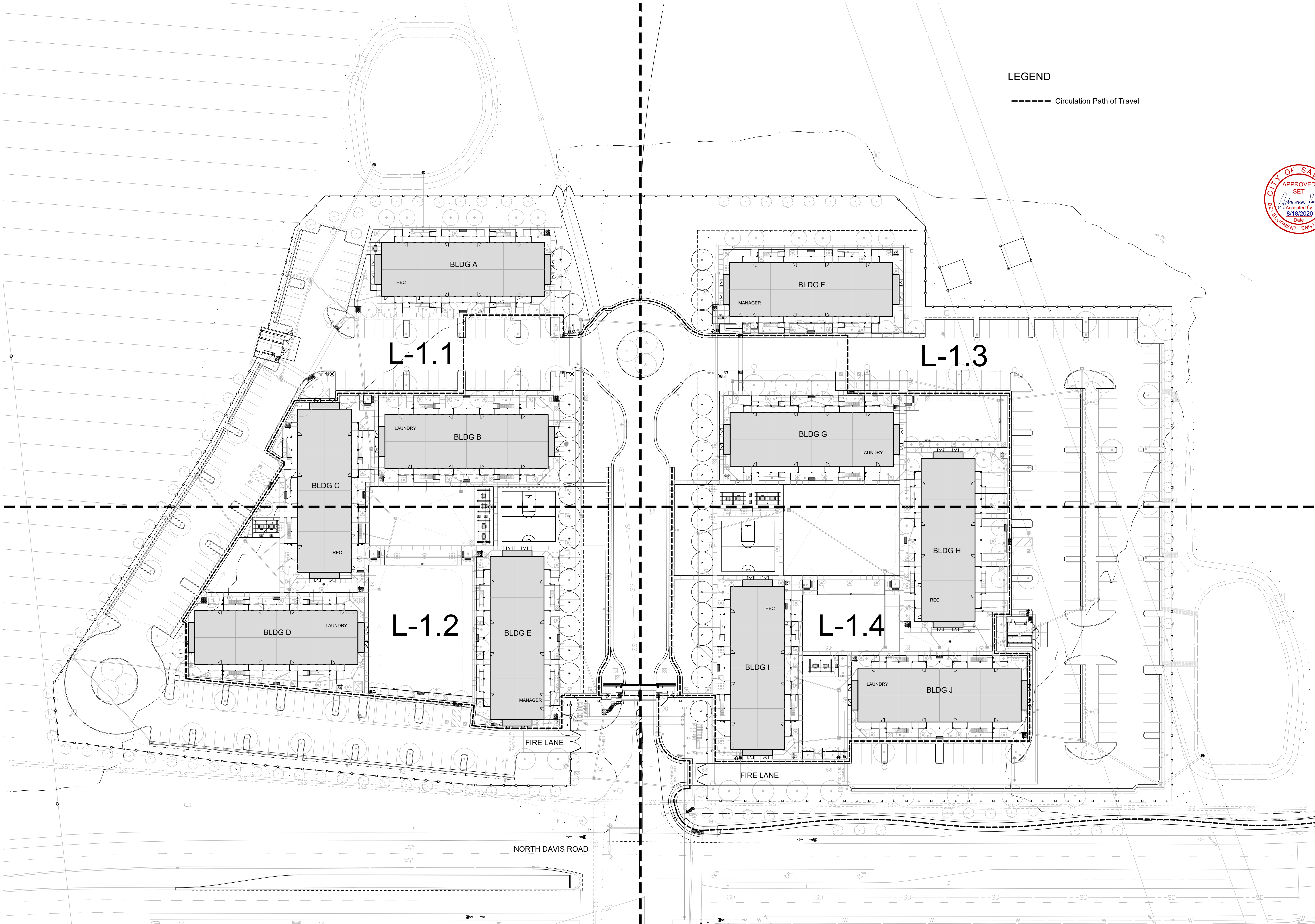
Overall Site Plan

Sheet Number:

L-1.0

LEGEND

----- Circulation Path of Travel



Harvest Moon
Agricultural
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831.646.1363 • BFSLA.COM

Drawn By: AC
Drawing Date: 08/14/20
Project Number: 1968

Revisions:
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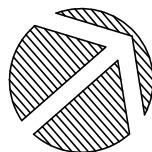
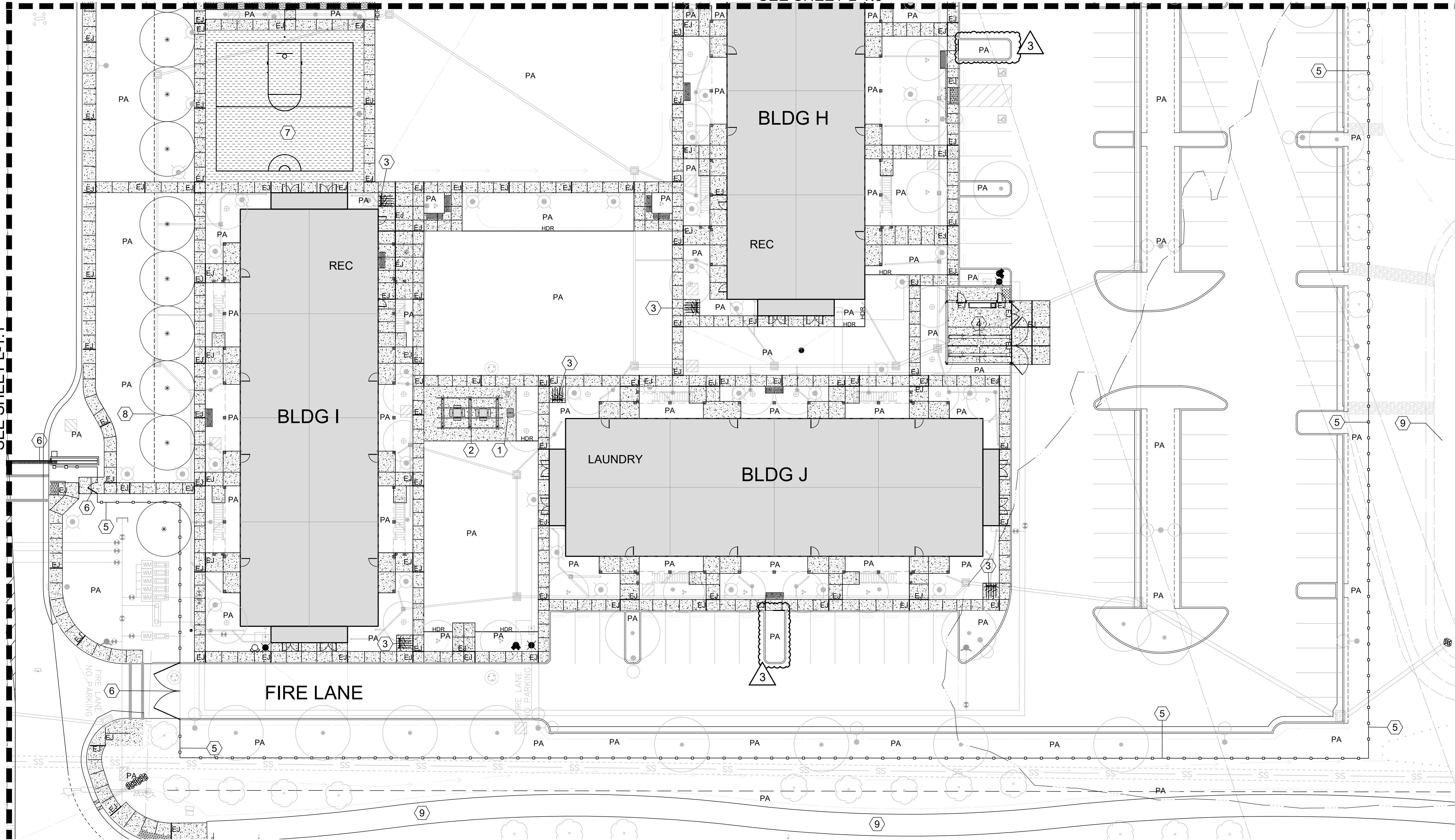
Construction Plan

Sheet Number:

L-1.4

SEE SHEET L-1.3

SEE SHEET L-1.1



REFERENCE NOTES

- BBQ: Footing See (5/L-2.0)
MFR: Dumor
Model: 24
Installation: Embedment mount per manufacturer's instructions
Available from: Dumor (800) 598-4018
- 1 Trellis: See (1/L-2.2)
- Bike Racks: Footing See (5/L-2.0)
MFR: Dumor
Model: 130-30HG
Color: Natural
Installation: Embedment mount per manufacturer's instructions
Available from: Dumor (800) 598-4018
- 3 Trash Enclosure: See Architectural Dwgs
- 5 Fence: See Architectural Dwgs
- 6 Gate: See Architectural Dwgs
- 7 Multi-Use Sport Court: See (1/L-2.1) and see Civil Dwgs.
- 8 Shovel cut: See (5/L-2.0)
- 9 Stormwater Basin: See Civil Dwgs

LEGEND

- Concrete Paving: Natural Color, Medium Broom Finish. EJ = Expansion Joint. Other joints are Weakened Plane Joints UON. See Specs, See (1/L-2.0)
- Basketball Paving: AC Paving. See Civil Dwgs
- Stabilized D.G. Paving. See Specs. See (6/L-2.0)
- Area Drain / Catch Basin: See Civil Dwgs
- Sewer / Stormwater Manhole: See Civil Dwgs
- Headerboard: Wood, See Specs. See (2/L-2.0)
- PA Planting Area: See Planting Plan
- Pole Light / Bollard Light: See Electrical Dwgs
- 6" Bench
MFR: Dumor
Model: Bench 88-60 PL
Finish: Recycled Plastic
Color: Cedar
Installation: See (4/L-2.0)
Available from: Dumor (800) 598-4018
- Picnic Table
MFR: Dumor
Model: 76-44 PL or 76-43 PL 4 or 3 seats (ADA) as shown
Finish: Recycled Plastic
Color: Cedar
Installation: Embedment mount per manufacturer's instructions. See (5/L-2.0)
Available from: Dumor (800) 598-4018

FOR CONSTRUCTION

Harvest Moon
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Drawn By: AC
Drawing Date: 08/14/20
Project Number: 1968

Revisions:		
1	06-18-20	PC#1
2	07-28-20	REVISION
3	08-14-20	FOR CONSTRUCTION

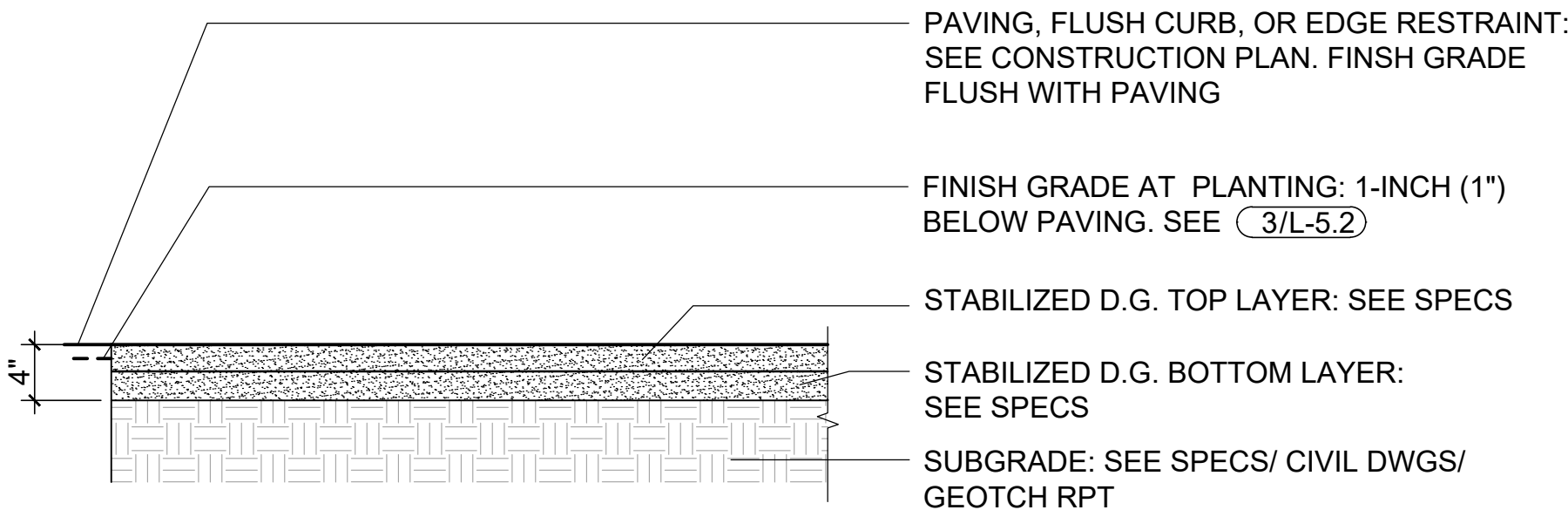
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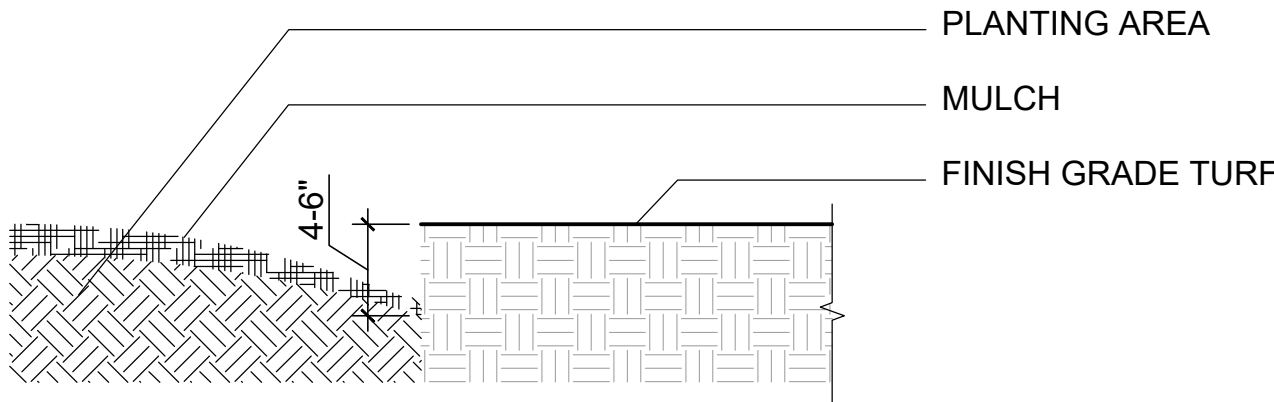
Sheet Number:

Construction Details

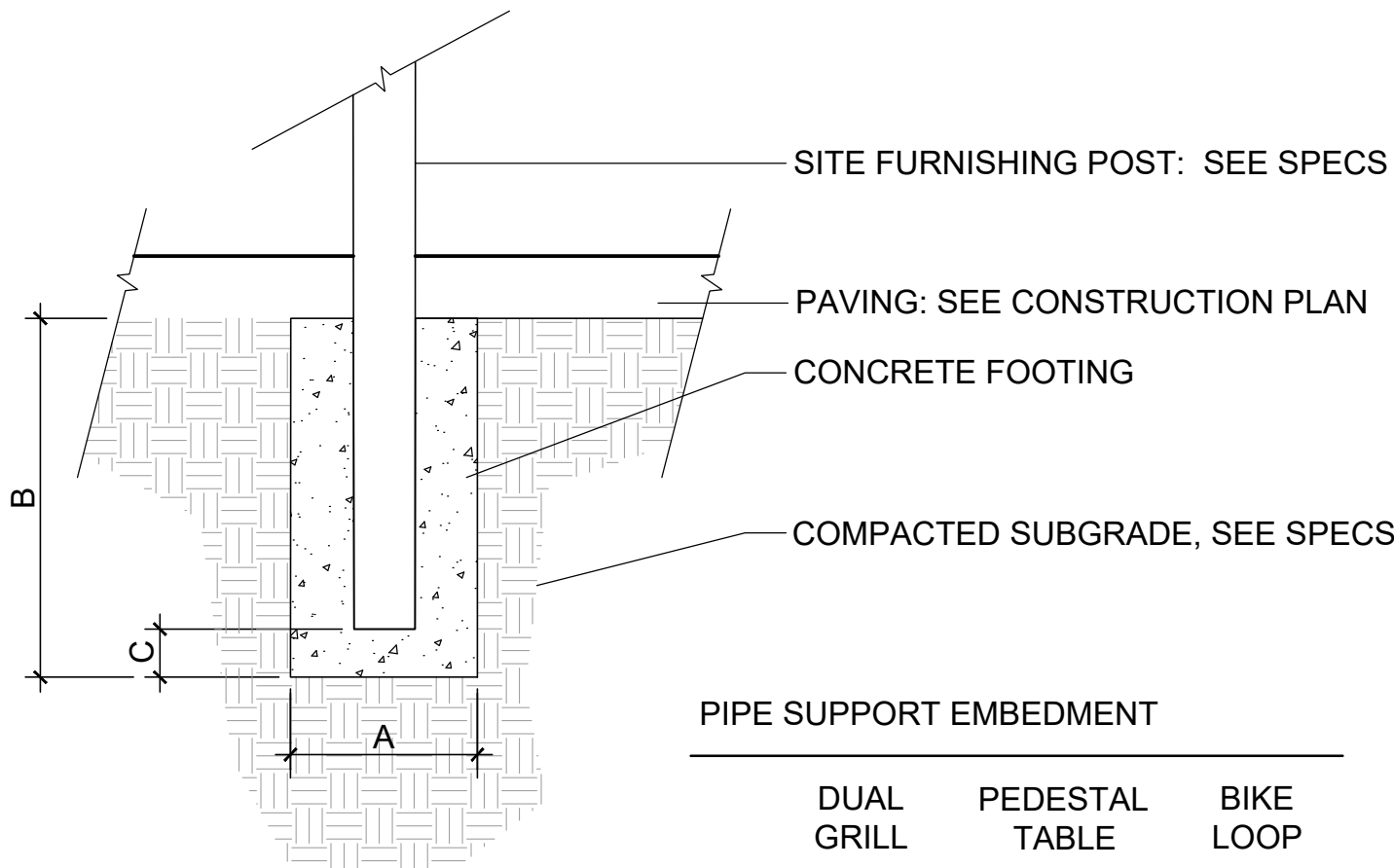
L-2.0



6 Stabilized Decomposed Granite (D.G.) Paving
1"=1'-0"

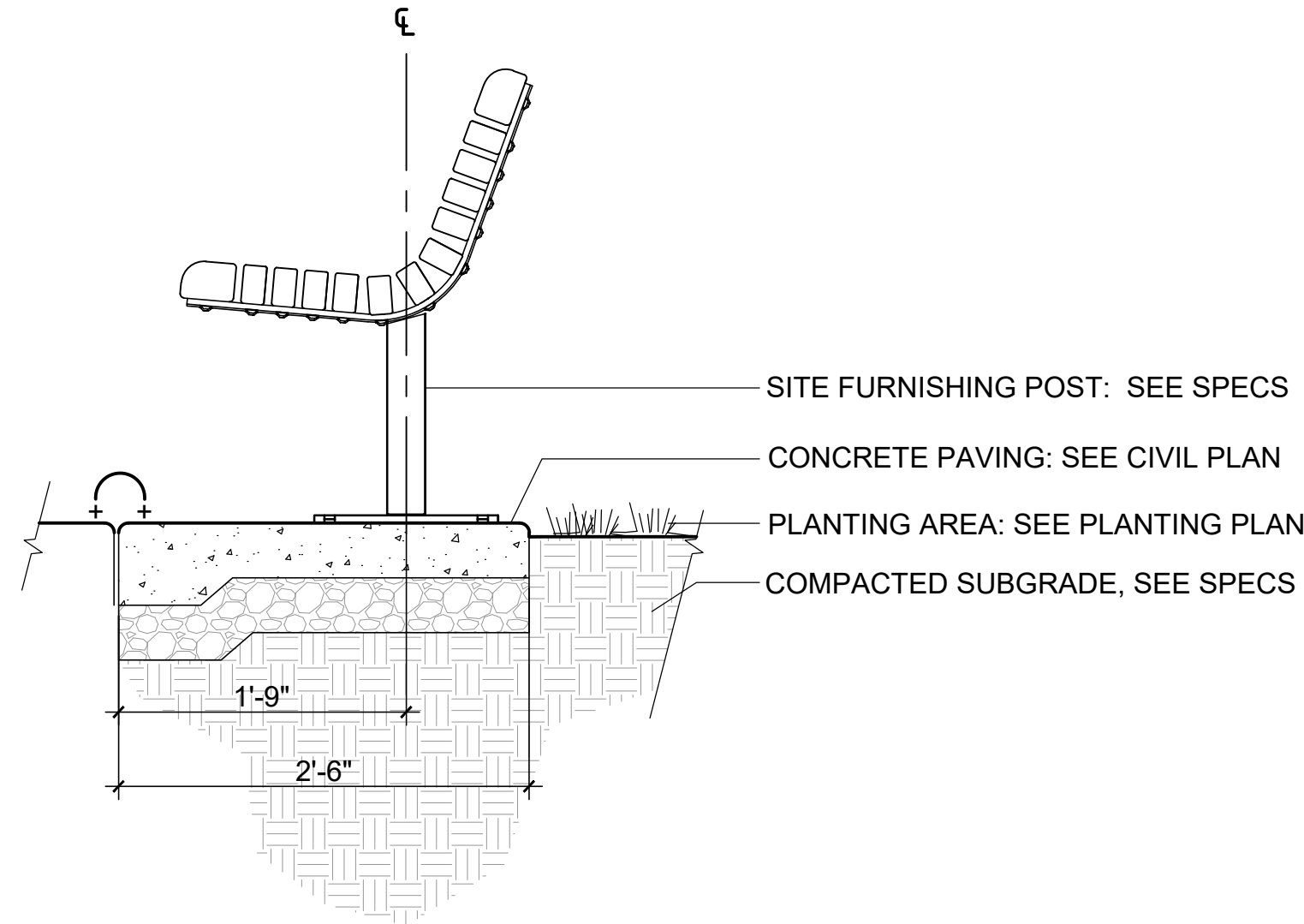


5 Shovel Cut Edging
NTS

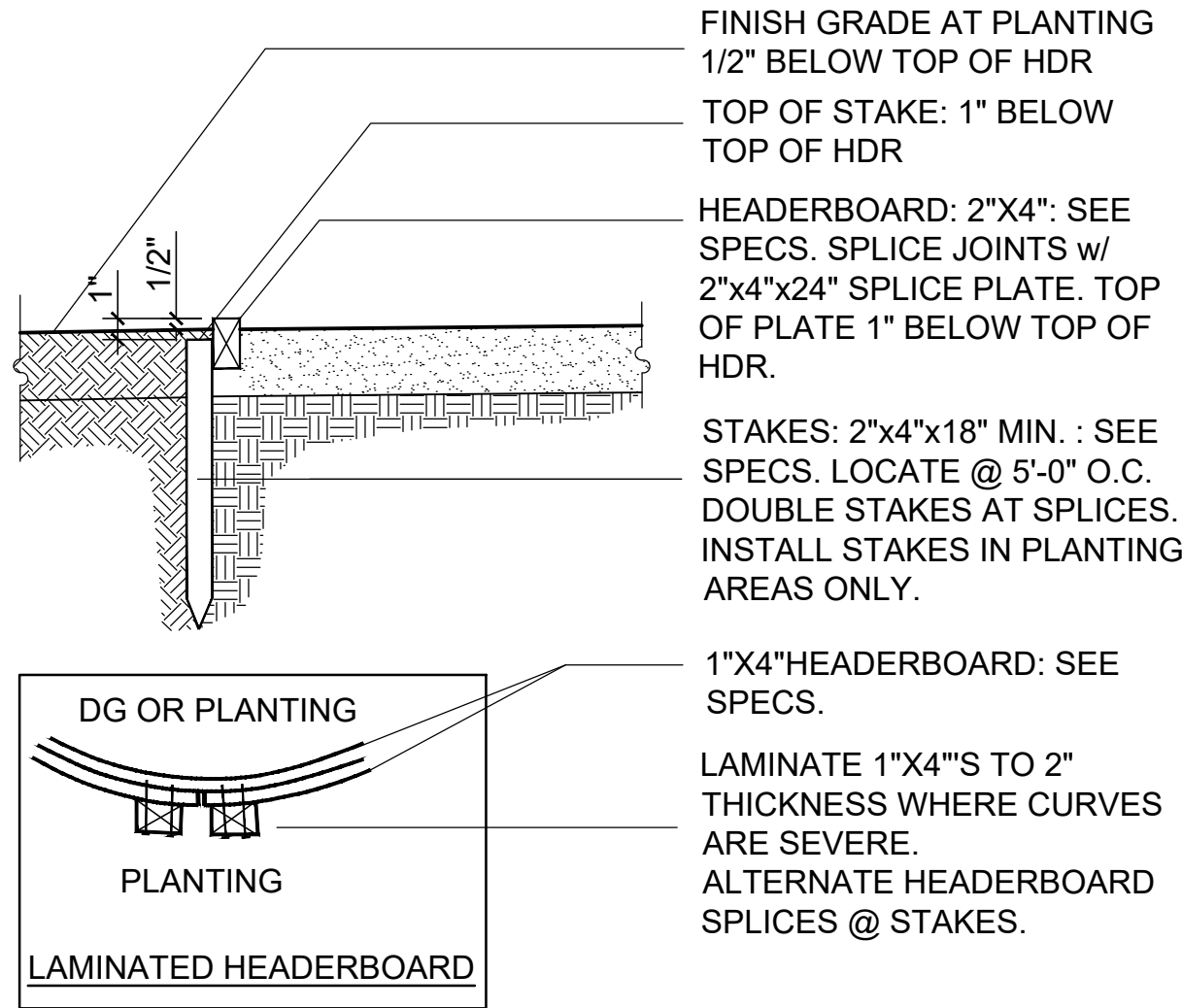


	PIPE SUPPORT EMBEDMENT		
	DUAL GRILL	PEDESTAL TABLE	BIKE LOOP
A	12"	18"	12"
B	36"	36"	24"
C	12"	6"	12"

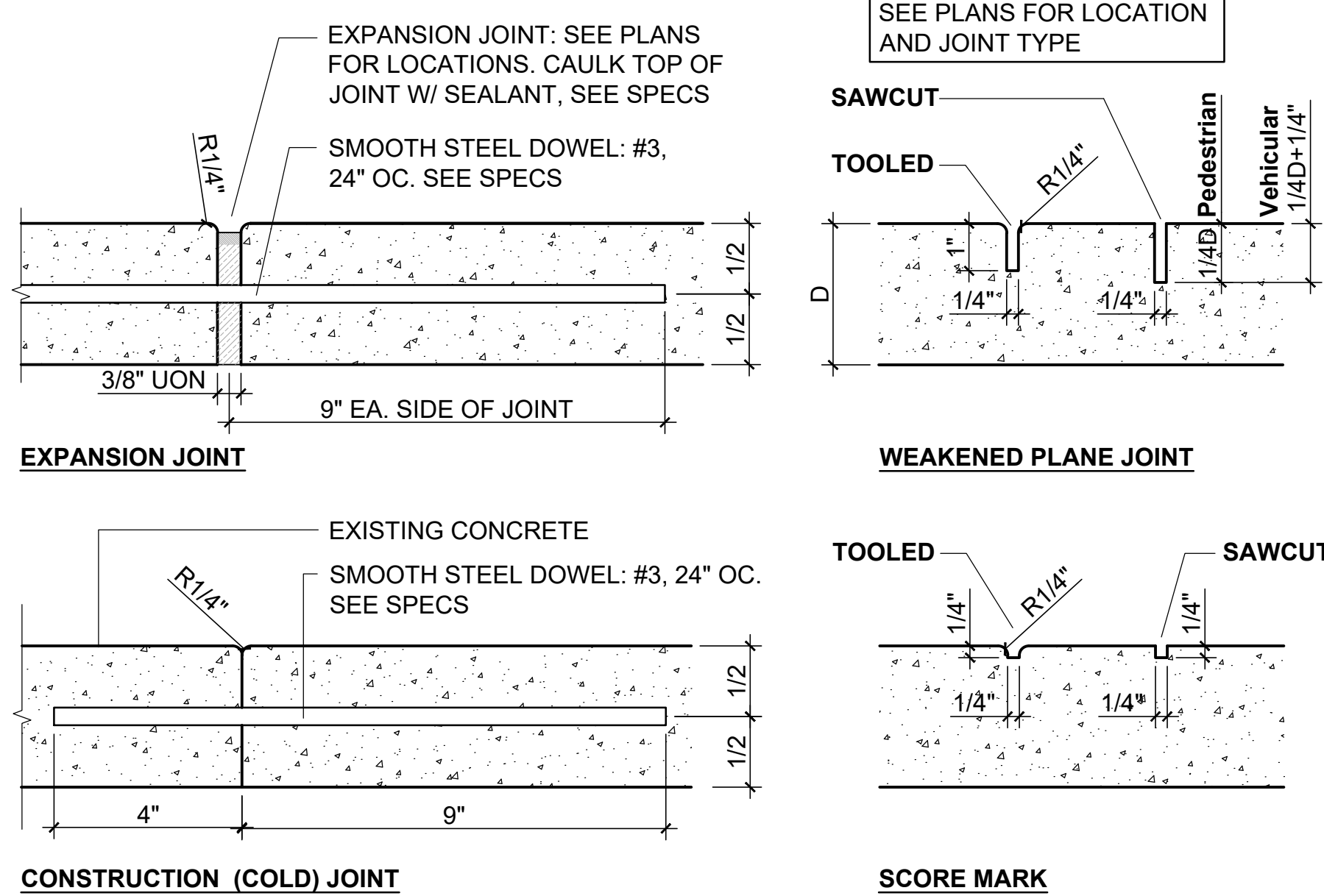
4 Furniture Footing Embedment
1" = 1'-0"



3 Bench Footing Embedment
1" = 1'-0"



2 Wood Headerboard
NTS



1 Concrete Joints, Typical
4" = 1'-0"

VALVE LEGEND - CONTROLLER 2					
Valve Station Number	Drip Spray Rotor Spray	GPM	Size	Irrigation Zone (Z) & Notes	
25	D	17	1-1/2	Z25 (Shrubs)	
26	B	7	1	Z26 (Trees)	
27	B	8	1	Z27 (Trees)	
28	B	11	1	Z28 (Trees)	
29	D	28.6	1-1/2	Z29 (Shrubs)	
30	D	13.3	1	Z30 (Shrubs)	
31	S	10.4	1	Z31 (Hydro)	
32	D	11.0	1	Z32 (Shrubs)	
33	R	9.0	1	Z33 (Hydro)	
34	S	15.02	1	Z34 (Hydro)	
35	D	8.0	1	Z35 (Shrubs)	
36	B	8	1	Z36 (Trees)	
37	B	20	1 1/2	Z37 (Trees)	
38	D	10.1	1	Z38 (Shrubs)	
39	D	11.1	1	Z39 (Shrubs)	
40	B	12	1	Z40 (Trees)	
41	D	27.0	1-1/2	Z41 (Shrubs)	
42	B	15	1	Z42 (Trees)	
43	R	6.0	1	Z43 (Turf)	
44	R	3.0	1	Z44 (Turf)	
45	B	15	1	Z45 (Trees)	

23. FLUSH (E) MAIN:
Upon completion of connection to (E) main, allowing for solvent setup, flush main line and existing main by flushing nearest quick coupler downstream of P.O.C. on existing main.

Zone / Partial Zone Flow	Pipe Size
0-8 GPM	PVC 3/4"
8.1-13 GPM	PVC 1"
13.1-22 GPM	PVC 1-1/4"
22.1-30 GPM	PVC 1-1/2"
30.1-50 GPM	PVC 2"
3/4" is minimum pipe size. For rotor pipe sizing, see Plans - do not use this chart.	

LEGEND		
SYMBOL	MANUFACTURER	DESCRIPTION
		Main Line: 24" minimum cover. All mainline and fittings within City Right of Way shall be schedule 80 PVC. All other mainlines and fittings for the project shall be Sch/Class per Specs. See Plan for sizes.
		Lateral Line / Drip Irrigation Supply Line: 18" min. cover, 24" under AC paving Sch/Class per Specs. See chart for size.
	Hunter	ICV Remote Control Valve: Size as shown on plan.
	Rainbird	1" Quick Coupler. Single lug, 2-pc body, locking cover.
	NDS / KBI	Full Port, True Union, PVC Ball Valve: Line Size
None	NDS / KBI	Full Port, True Union, PVC Ball Valve: Match solenoid size at individual remote control valves; 1" at quick couplers; sub-main size at valve manifolds.
	Name	Water Meter 2". See General Note 2 for PSI / GPM.
	Zurn Wilkins	SXL Cast Bronze 'Y' Type Strainer. Line Size. 40-mesh
	Febco	2" Lead-free Backflow Preventer LF825YA w/ Bronze Wye Strainer. Dark Green cap: See Details
<p>Note: Where applicable, all equipment specified shall comply with NSF/ANSI Standard 61: Drinking Water System Components.</p>		
POC		Point of Connection
HDR		Headerboard
	Irritrol	MC-48 E, Wall mounted controller compatible with the Climate Logic Wireless Weather System and flow sensor compatible
	Hunter / Irritrol	Climate Logic Wireless Weather System CL-100-Wireless
	Superior	1-1/2" - 3300 Normally Open Master Valve
	Irritrol	FS-B100 (1") Brass Flow Sensor. Connect to Controller.
		1" Conduit: 24" Depth minimum. For MV & FS wire and dedicated common. For ET Sensor Wire.

LEGEND - SPRINKLERS BUBBLERS						
SYMBOL	MANUFACTURER / DESCRIPTION	MODEL/DESCRIPTION	PSI	GPM	RAD	PRECIP In/hr
⊕	Hunter / Rotor	I-20-06-SS-PRB-1.5	40		31'	0.29
●	Hunter / Rotor	I-20-06-SS-PRB-2.5	40		35'	0.36
▲	Hunter / Rotor	I-30-06-SS-PRB-3.0	40		37'	0.40
○	Hunter / Rotator	MP1000-90-PROS-06	40	0.21-0.48	15'	0.48
⊙	Hunter / Rotator	MP2000-90-PROS-06	40	0.43-0.77	21'	0.48

LEGEND - TREE BUBBLERS / EMITTERS				
SYMBOL	MANUFACTURER / DESCRIPTION	MODEL/DESCRIPTION	PSI	GPM / GPH
•	Hunter / Bubbler	RZWS-18"-50-CV	30	0.5 GPM

LEGEND - DRIP IRRIGATION

SYMBOL	MANUFACTURER	DESCRIPTION
		<p>POINT-SOURCE: 3/4" I.D. PVC Flex Hose supply pipe & 1/2" I.D. PVC Flex Hose distribution pipes. See Specs. See Irrigation Details. Emitters: 1/2" FPT, 2.0 GPH pressure compensating w/ check-valve. Salco Pro-Spec / GPH Specflow. Manual flush valve at end of each branch of supply pipe. Hunter Eco-Indicator at furthest end of each zone. See Schematic Irrigation Diagram.</p>
	<p>Hunter</p> <p>Netafim</p> <p>Netafim</p>	<p>PEB / ICV Remote Control Valve: Size as shown on plan.</p> <p>Disc Filter, 120-140 mesh</p> <p>3/4" @ 1" valves or 17 GPM max at manifold</p> <p>1" @ 1-1/2" valves up to 26 GPM max</p> <p>1-1/2" @ 1-1/2" valves or 35 GPM max at manifold</p> <p>1" In-line Wide Range Pressure Regulator (0.5 - 35 GPM) 40 PSI preset up to 4.4 GPM. 50 PSI preset over 4.5 GPM</p>

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Project Number: 1968

Revisions:

1	06-18-20	PC#1
2	07-28-20	REVISION
3	08-14-20	FOR CONSTRUCTION

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Sheet Title:

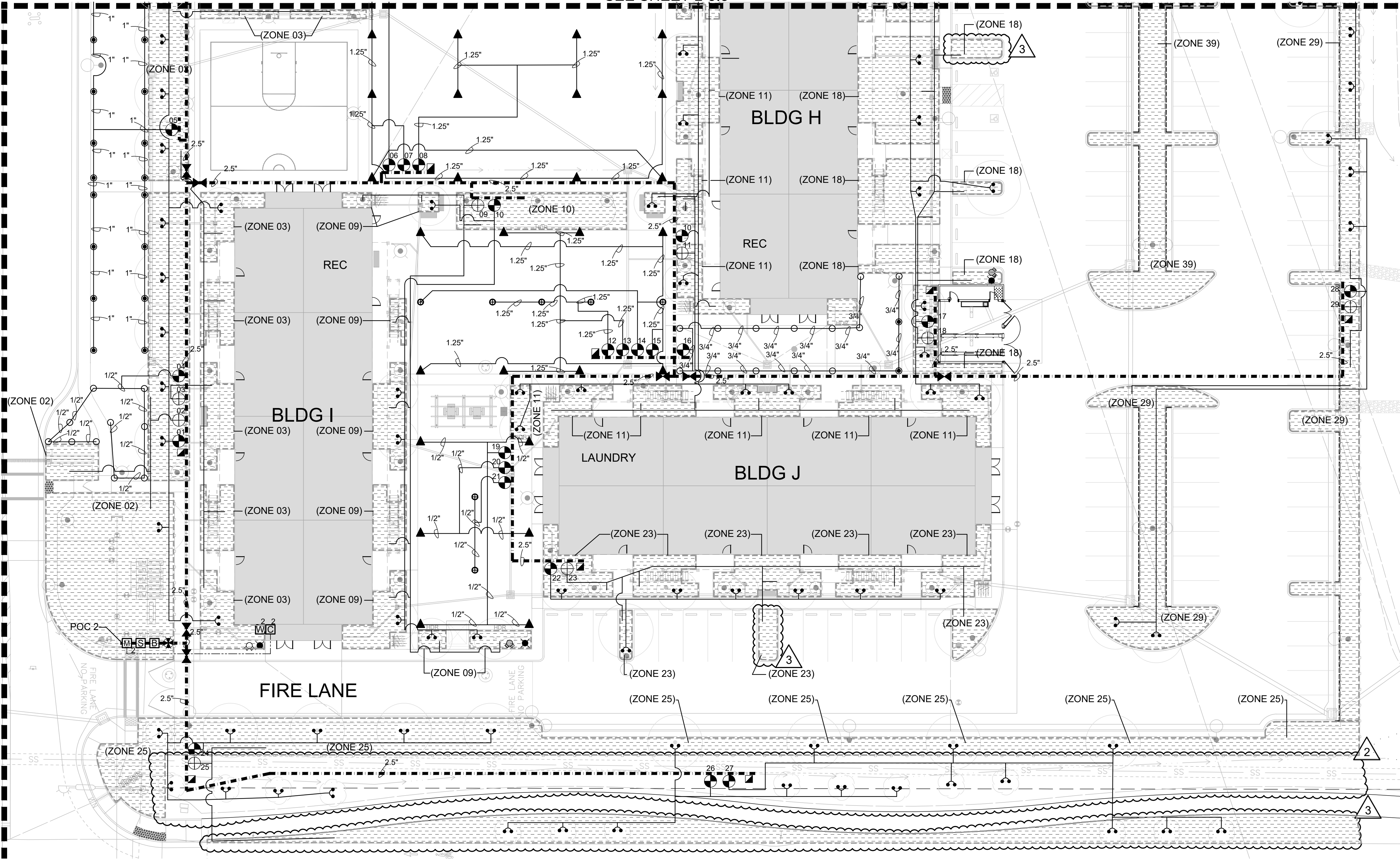
Irrigation Legend & Notes

Sheet Number:

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SEE SHEET L-3.2

SEE SHEET L-3.3



VALVE LEGEND - CONTROLLER 2					
Valve Station Number	Bubbler Drip Rotor Spray	GPM	Size	Irrigation Zone (Z) & Notes	
1	B	12	1	Z1 (Trees)	
2	D	10.5	1	Z2 (Shrubs)	
3	D	9.6	1	Z3 (Shrubs)	
4	S	3.8	1	Z4 (Hydro)	
5	S	10.8	1	Z5 (Hydro)	
6	R	10.8	1	Z6 (Turf)	
7	R	10.8	1	Z7 (Turf)	
8	R	2.7	1	Z8 (Turf)	
9	D	15.0	1	Z9 (Trees)	
10	B	15	1	Z10 (Trees)	
11	D	15.4	1	Z11 (Shrubs)	
12	R	4.5	1	Z12 (Turf)	
13	R	5.4	1	Z13 (Turf)	
14	R	1.5	1	Z14 (Turf)	
15	R	5.4	1	Z15 (Turf)	
16	S	7.1	1	Z16 (Turf)	
17	B	11	1	Z17 (Trees)	
18	D	19.4	1-1/2	Z18 (Shrubs)	
19	R	2.7	1	Z19 (Turf)	
20	R	2.7	1	Z20 (Turf)	
21	R	3.0	1	Z21 (Turf)	
22	B	7	1	Z22 (Trees)	
23	D	13.0	1	Z23 (Shrubs)	
24	B	9	1	Z24 (Trees)	
25	D	17	1-1/2	Z25 (Shrubs)	
26	B	7	1	Z26 (Trees)	
27	B	8	1	Z27 (Trees)	
28	B	11	1	Z28 (Trees)	
29	D	28.6	1-1/2	Z29 (Shrubs)	
30	D	13.3	1	Z30 (Shrubs)	
31	S	10.4	1	Z31 (Hydro)	
32	D	11.0	1	Z32 (Shrubs)	
33	R	9.0	1	Z33 (Hydro)	
34	S	15.02	1	Z34 (Hydro)	
35	D	8.0	1	Z35 (Shrubs)	
36	B	8	1	Z36 (Trees)	
37	B	20	1 1/2	Z37 (Trees)	
38	D	10.1	1	Z38 (Shrubs)	
39	D	11.1	1	Z39 (Shrubs)	
40	B	12	1	Z40 (Trees)	
41	D	27.0	1-1/2	Z41 (Shrubs)	
42	B	15	1	Z42 (Trees)	
43	R	6.0	1	Z43 (Turf)	
44	R	3.0	1	Z44 (Turf)	
45	B	15	1	Z45 (Trees)	

LEGEND - DRIP IRRIGATION

SYMBOL	MANUFACTURER	DESCRIPTION
		Zone designation
		(ZONE 00)
	Hunter	POINT-SOURCE: 3/4" I.D. PVC Flex Hose supply pipe & 1/2" I.D. PVC Flex Hose distribution pipes. See Specs. See Irrigation Details. Emitters: 1/2" FPT 2.0 GPH pressure compensating w/ check-valve. Salco Pro-Spec / GPH Specflow. Manual flush valve at end of each branch of supply pipe. Hunter Eco-Indicator at furthest end of each zone. See Schematic Irrigation Diagram.
	Netafim	PEB / ICV Remote Control Valve: Size as shown on plan.
	Netafim	Disc Filter, 120-140 mesh 3/4" @ 1" valves or 17 GPM max at manifold 1" @ 1-1/2" valves up to 26 GPM max 1-1/2" @ 1-1/2" valves or 35 GPM max at manifold
	Netafim	1" In-line Wide Range Pressure Regulator (0.5 - 35 GPM) 40 PSI preset up to 4.4 GPM. 50 PSI preset over 4.5 GPM

POC	Point of Connection
HDR	Headerboard
	MC-48 E, Wall mounted controller compatible with the Climate Logic Wireless Weather System and flow sensor compatible
	Climate Logic Wireless Weather System CL-100-Wireless
	1-1/2" - 3300 Normally Open Master Valve
	FS-B100 (1") Brass Flow Sensor. Connect to Controller.
	1" Conduit: 24" Depth minimum. For MV & FS wire and dedicated common. For ET Sensor Wire.

LEGEND - SPRINKLERS BUBBLERS

SYMBOL	MANUFACTURER / DESCRIPTION	MODEL/DESCRIPTION	PSI	GPM	RAD	PRECIP In/hr
	Hunter / Rotor	I-20-06-SS-PRB-1.5	40		31'	0.29

LEGEND - TREE BUBBLERS / EMITTERS

SYMBOL	MANUFACTURER / DESCRIPTION	MODEL/DESCRIPTION	PSI	GPM / GPH
	Hunter / Bubbler	RZWS-18"-50-CV	30	0.5 GPM

LEGEND

SYMBOL	MANUFACTURER	DESCRIPTION
	Hunter	Main Line: 24" minimum cover. All mainline and fittings within City Right of Way shall be schedule 80 PVC. All other mainlines and fittings for the project shall be Sch/Class per Specs. See Plan for sizes.
	Rainbird	Lateral Line / Drip Irrigation Supply Line: 18" min. cover, 24" under AC paving Sch/Class per Specs. See chart for size.
	NDS / KBI	ICV Remote Control Valve: Size as shown on plan.
	NDS / KBI	1" Quick Coupler. Single lug, 2-pc body, locking cover.
	NDS / KBI	Full Port, True Union, PVC Ball Valve: Line Size
	NDS / KBI	Full Port, True Union, PVC Ball Valve: Match solenoid size at individual remote control valves; 1" at quick couplers; sub-main size at valve manifolds.
	Name	Water Meter 2". See General Note 2 for PSI / GPM.
	Zurn Wilkins	SXL Cast Bronze "Y" Type Strainer. Line Size. 40-mesh
	Febco	2" Lead-free Backflow Preventer LF825YA w/ Bronze Wye Strainer. Dark Green cage: See Details

Note: Where applicable, all equipment specified shall comply with NSF/ANSI Standard 61: Drinking Water System Components.

Project / Owner:

Harvest Moon
Agricultural
Employee
Housing Project

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APN: 261-011-026



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Drawn By: AC
Drawing Date: 08/14/20
Project Number: 1968

Revisions:
1 06-18-20 PC#1
2 07-28-20 REVISION
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Sheet Title:

Irrigation Plan

Sheet Number:

FOR CONSTRUCTION

L-3.4

SEE L-3.0 for LEGEND & GENERAL NOTES


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GENERAL NOTES

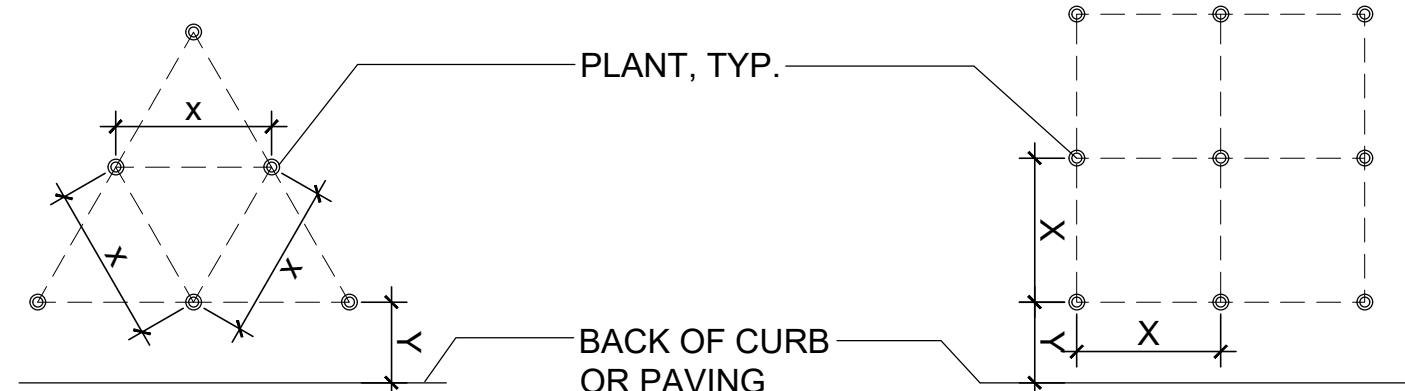
- See Specifications for materials and procedures including, but not limited to, soil preparation, amendments, fertilizers, herbicides, and mulch application.
- See Specifications for materials and procedures including plant pit size, and staking. See (1/L-5.2) (2/L-5.2)
- See Specifications for materials and procedures relating to headerboard. See (2/L-2.0)
- Install root barrier panels around trees planted within 5' of foundations, walls, and curbs, and in all planters in paved areas. See (4/L-5.2)
- Install hydroseed mix at at hydroseed locations as shown on plan as well as site basins per Specifications. See Civil Dwg's for basin details.

MWELO COMPLIANCE STATEMENT

I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the landscape design plan.

	Michael Bellinger	3099	12/31/2021
Signed	Name	CLA#	Date

PLANT SPACING AND PLANTING SETBACK DIAGRAM


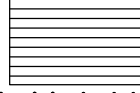
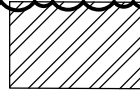
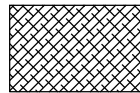
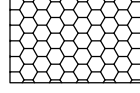
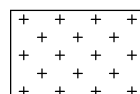
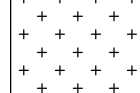
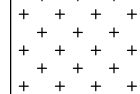
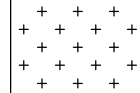
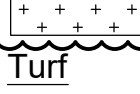
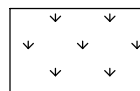

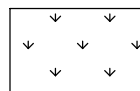



- FOR SPACING 'X', SEE PLANTING PLAN LEGEND
- Y= 1/2X + 12" UON

* WATER USE CATEGORY (WUC) KEY

WUCOLS Region Applicable to this Project: REGION 1
H = High; M = Moderate; L = Low; VL = Very Low; NL = Species Not Listed
* from: Water Use Classification of Landscape Species,
A Guide to the Water Needs of Landscape Plants (WUCOLS)
Revised 2014, University of California Cooperative Extension, L.R. Costello, K.S. Jones

PLANT LEGEND

HDR	Headerboard. See Specs. See (3/L-2.0)				
Trees					
M	Cm	• Cupressus macrocarpa	Monterey Cypress	15 Gal.	Standard
VL	Oe	• Olea europæana 'Majestic Beauty'	Fruitless Olive	15 Gal.	Standard
L	Pc	• Pistacia chinensis	Chinese pistache	15 Gal.	Standard
M	Pr	* Platanus racemosa	California Sycamore	15 Gal.	Standard
M	Py	• Pyrus calleryana 'Chanticleer'	'Chanticleer' Pear	15 Gal.	Standard
VL	Qa	• Quercus agrifolia	Coast Live Oak	15 Gal.	Multi-trunk
Shrubs					
L	Al	✧ Aloe 'Leo'	Scarlet Rockets Aloe	5 Gal.	36" O.C.
L	Aa	✧ Agave attenuata 'Boutin Blue'	Blue Foxtail Agave	1 Gal.	36" O.C.
L	An	☉ Anigozanthus 'Big Red'	Big Red Kangaroo Paw	1 Gal.	36" O.C.
L	Lo	☉ Lomandra confertifolia 'Pom Pom'	Pom Pom Mat Rush	1 Gal.	36" O.C.
L	Pd	☉ Phormium 'Dark Delight'	Purple New Zealand Flax	5 Gal.	36" O.C.
L	Pi	⊕ Pittosporum tobira 'Variegatum'	Mock Orange	5 Gal.	60" O.C.
L	Rh	☉ Rhamnus californica 'Mound San Bruno'	Dwarf Coffeeberry	5 Gal.	36" O.C.
Groundcovers					
3	L	 Arctostaphylos 'Emerald Carpet'	Groundcover Manzanita	1 Gal.	60" O.C.
		 Arctostaphylos 'Pacific Mist'	Pacific Mist Manzanita	1 Gal.	3' O.C.
	L	 Liriope muscari 'Variegata'	Variegated Liriope	1 Gal.	12" O. C.
	L	 Senecio mandraliscae	Blue Chalk Sticks	1 Gal.	24" O.C.
Vines					
M	Fp	▲ Ficus pumilla	Creeping Fig	1 Gal.	
2	Hydroseed in Project Site			SQUARE FOOTAGE	RATE: lbs/ac
	L	 Festuca rubra 'Molate'. See Gen. Note 5. Molate Fescue		30,263 SF	80
		Hydroseed for Basins		27,585 SF	
		 Argostis pallens			10
		 Festuca rubra			24
		 Deschampsia caespitosa holciformis			8
		 Carex praegarcilis			2
		 Juncus effusus			2
		 Juncus phaeocephalus			1
		 Cyperus eragrostis			2
	Turf				
	H	 Turf: Enduro Sod, See Specs.		42,151 SF	
2	Mulch: See Specs.			4,517 SF	
		 Gravel: 18" band along flow line. See Specs. See Civil		638 SF	

Project / Owner:

Harvest Moon
Agricultural
Employee
Housing Project

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
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

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Revisions:
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2 07-28-20 REVISION
3 08-14-20 FOR CONSTRUCTION

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Sheet Title:

Planting Legend &
Notes

Sheet Number:

FOR CONSTRUCTION

L-4.0

Harvest Moon
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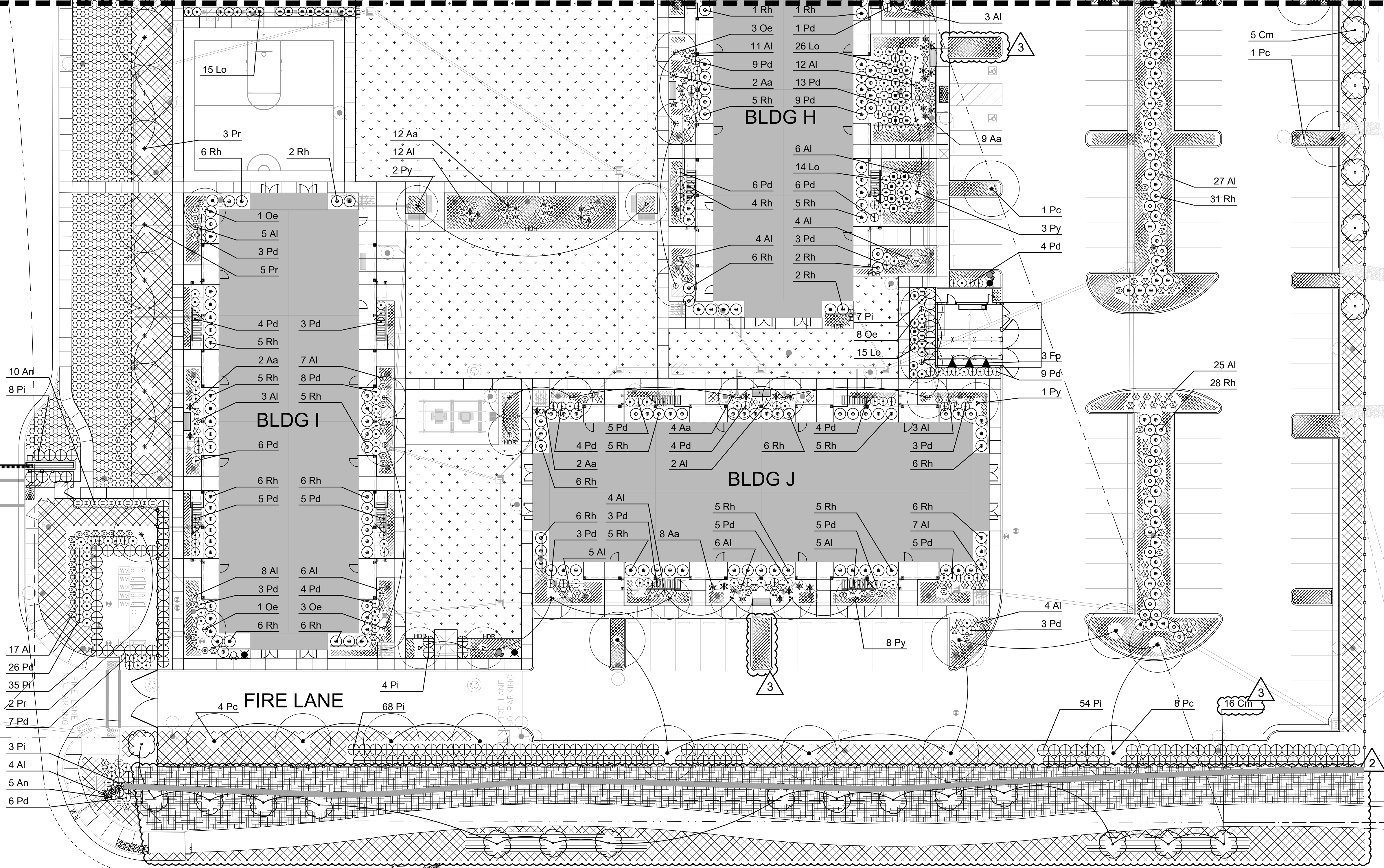
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Sheet Number:

L-4.4

SEE SHEET L-4.3

SEE SHEET L-4.2



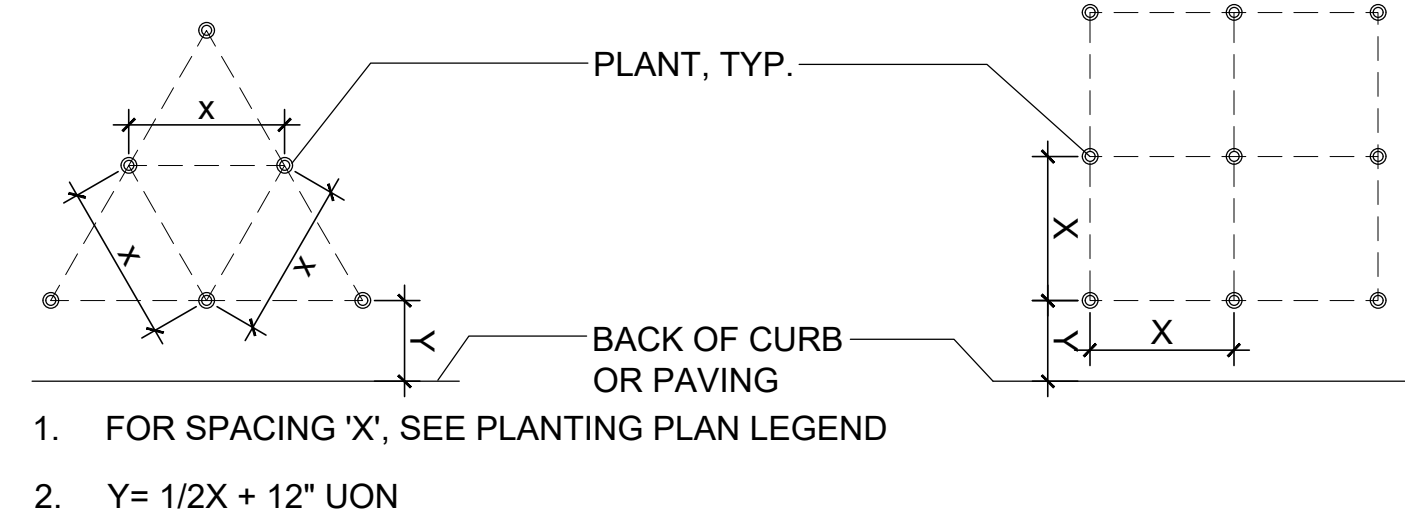
PLANT LEGEND

Headerboard. See Specs. See (3/L-2.0)

*WUC	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CHARACTER
Trees					
M	Cm	Cupressus macrocarpa	Monterey Cypress	15 Gal.	Standard
VL	Oe	Olea europaea 'Majestic Beauty'	Fruitless Olive	15 Gal.	Standard
L	Pc	Pistacia chinensis	Chinese pistache	15 Gal.	Standard
M	Pr	Platanus racemosa	California Sycamore	15 Gal.	Standard
M	Py	Pyrus calleryana 'Chanticleer'	'Chanticleer' Pear	15 Gal.	Standard
VL	Qa	Quercus agrifolia	Coast Live Oak	15 Gal.	Multi-trunk
Shrubs					
L	Al	Aloe 'Leo'	Scarlet Rockets Aloe	5 Gal.	36" O.C.
L	Aa	Agave attenuata 'Boutin Blue'	Blue Foxtail Agave	1 Gal.	36" O.C.
L	An	Anigozanthus 'Big Red'	Big Red Kangaroo Paw	1 Gal.	36" O.C.
L	Lo	Lomandra confertifolia 'Pom Pom'	Pom Pom Mat Rush	1 Gal.	36" O.C.
L	Pd	Phormium 'Dark Delight'	Purple New Zealand Flax	5 Gal.	36" O.C.
L	Pi	Pittosporum tobira 'Variegatum'	Mock Orange	5 Gal.	60" O.C.
L	Rh	Rhamnus californica 'Mound San Bruno'	Dwarf Coffeeberry	5 Gal.	36" O.C.

Groundcovers			
L	Arctostaphylos 'Emerald Carpet'	Groundcover Manzanita	1 Gal. 60" O.C.
L	Arctostaphylos 'Pacific Mist'	Pacific Mist Manzanita	1 Gal. 3' O.C.
L	Liriope muscari 'Variegata'	Variegated Liriope	1 Gal. 12" O. C.
L	Senecio mandraliscae	Blue Chalk Sticks	1 Gal. 24" O.C.
Vines			
M	Fp	Ficus pumilla	Creeping Fig 1 Gal.
Hydroseed in Project Site			
L	Festuca rubra 'Molate'. See Gen. Note 5. Molate Fescue	SQUARE FOOTAGE	RATE: lbs/ac % PURE
		30,263 SF	80 80%
Hydroseed for Basins			
	Argostis pallens	10	95%
	Festuca rubra	24	95%
	Deschampsia caespitosa holciformis	8	95%
	Carex praegarcilis	2	95%
	Juncus effusus	2	95%
	Juncus phaeocephalus	1	95%
	Cyperus eragrostis	2	95%

PLANT SPACING AND PLANTING SETBACK DIAGRAM



REFERENCE NOTES

1 Basins: Plant with Hydroseed. See Plant Legend. See Civil Plans.

Note: See L-4.0 for full Plant Legend

FOR CONSTRUCTION

Harvest Moon Agricultural Employee Housing Project

800 & 801 W. ROSSI ST
SALINAS, CA 93908

APN: 261-011-026



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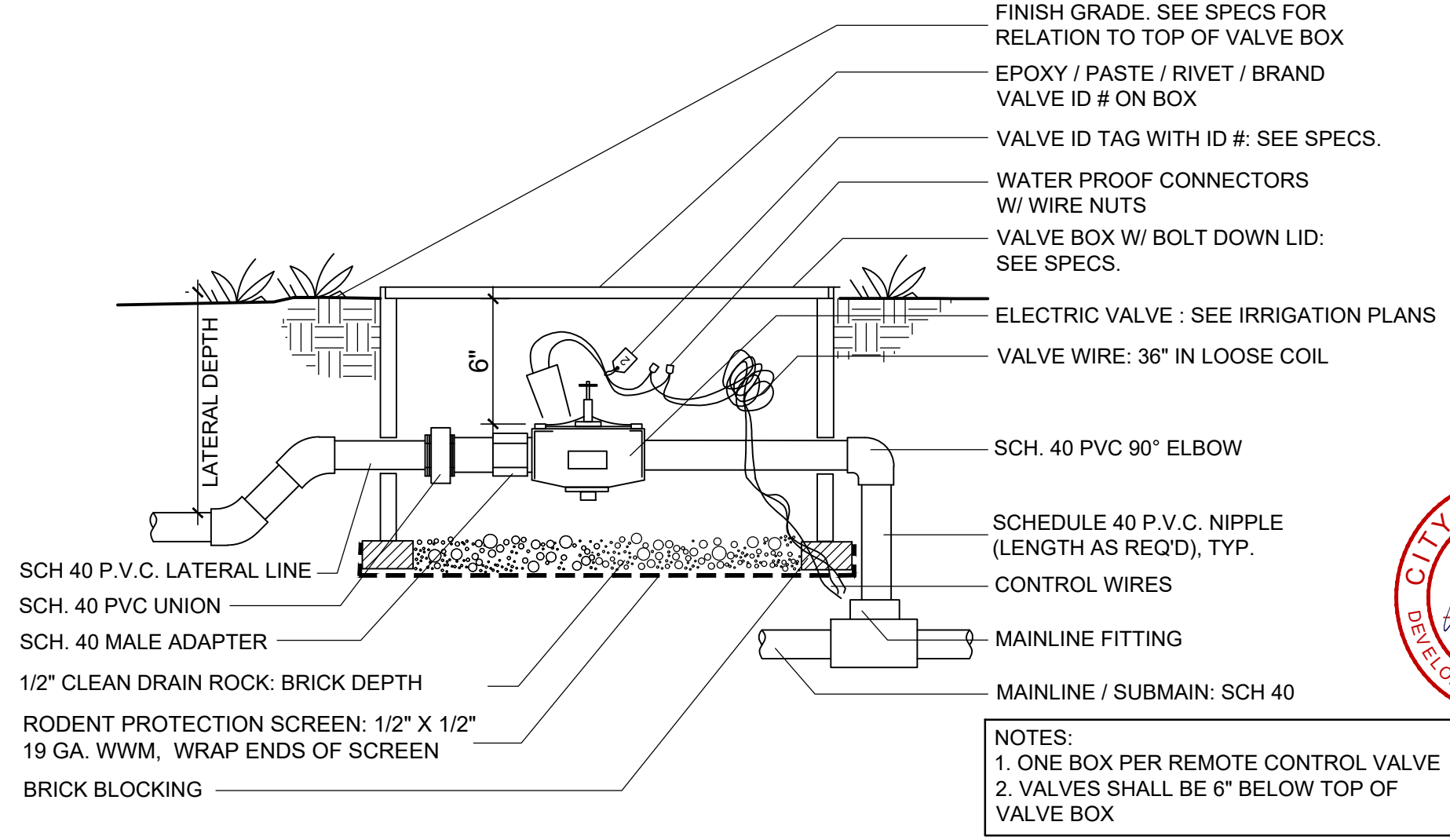
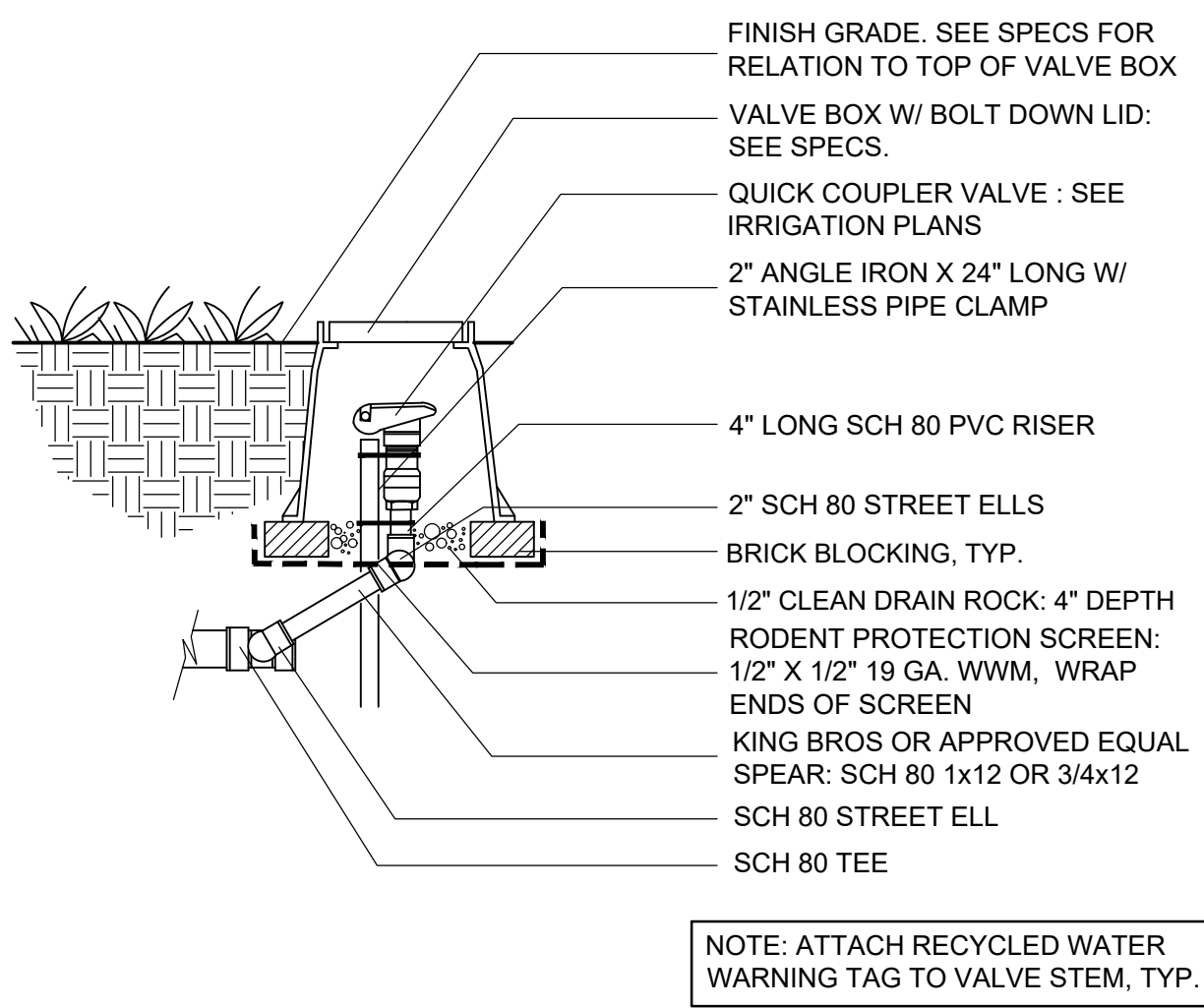
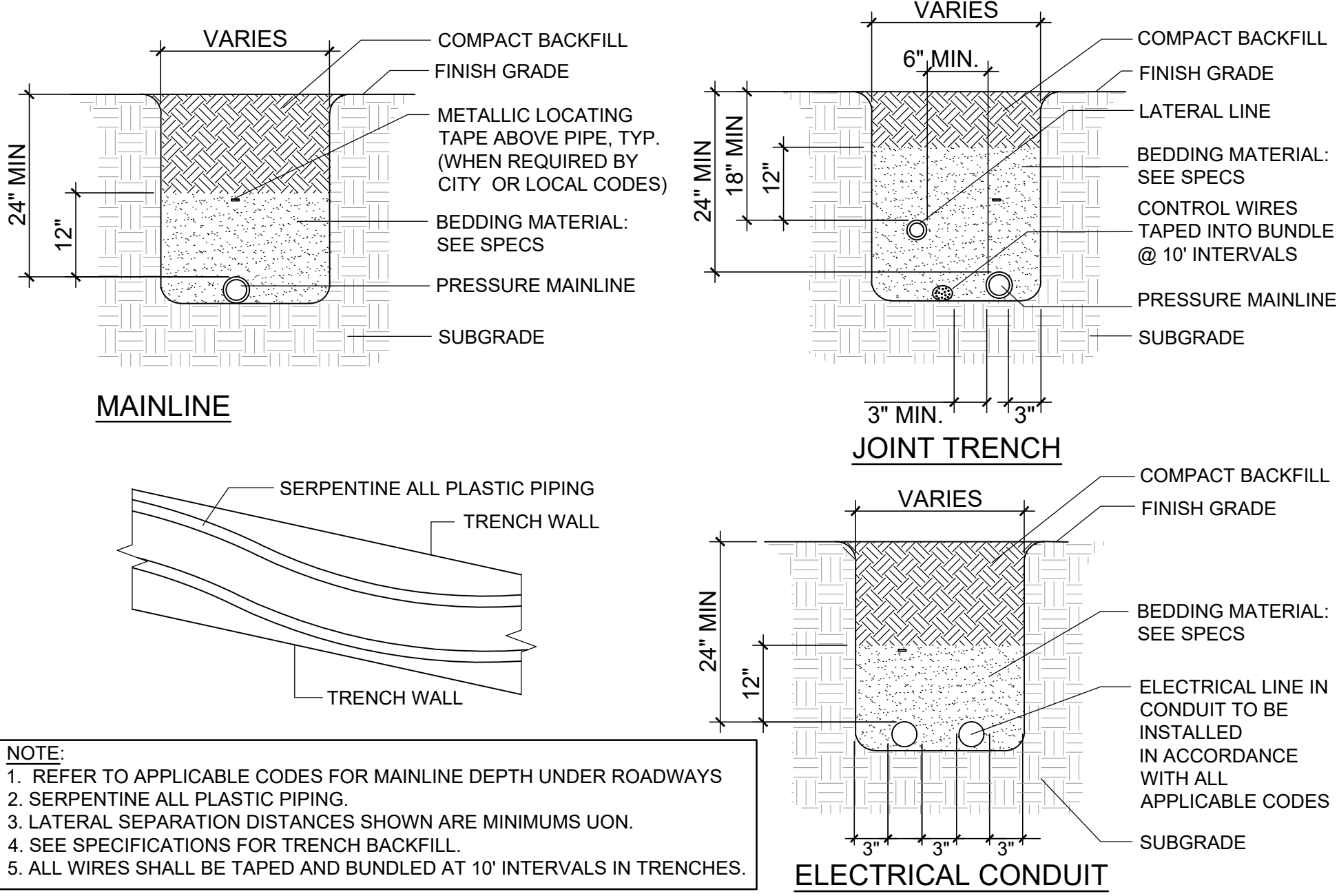
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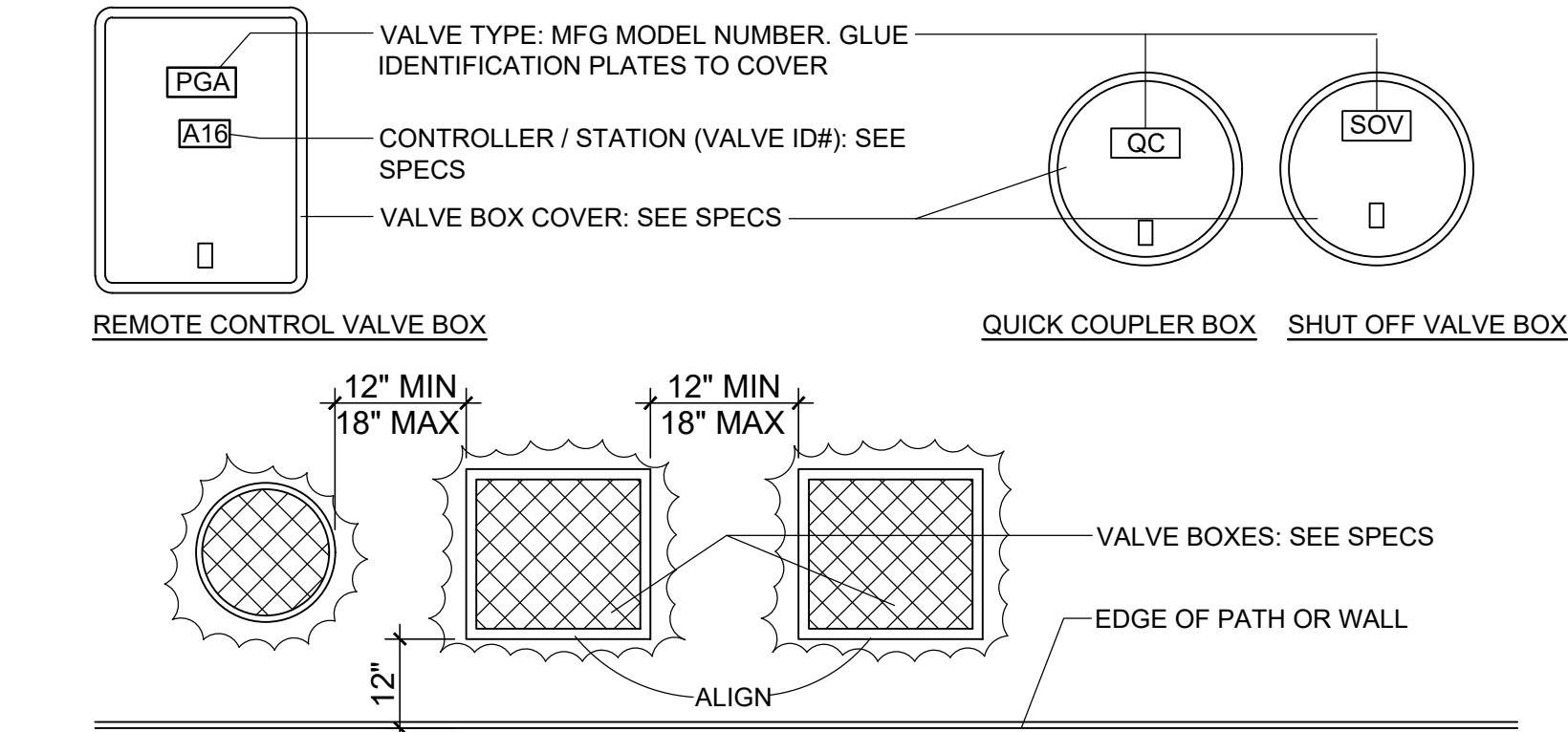
Irrigation & Planting Details

Sheet Number:

L-5.0

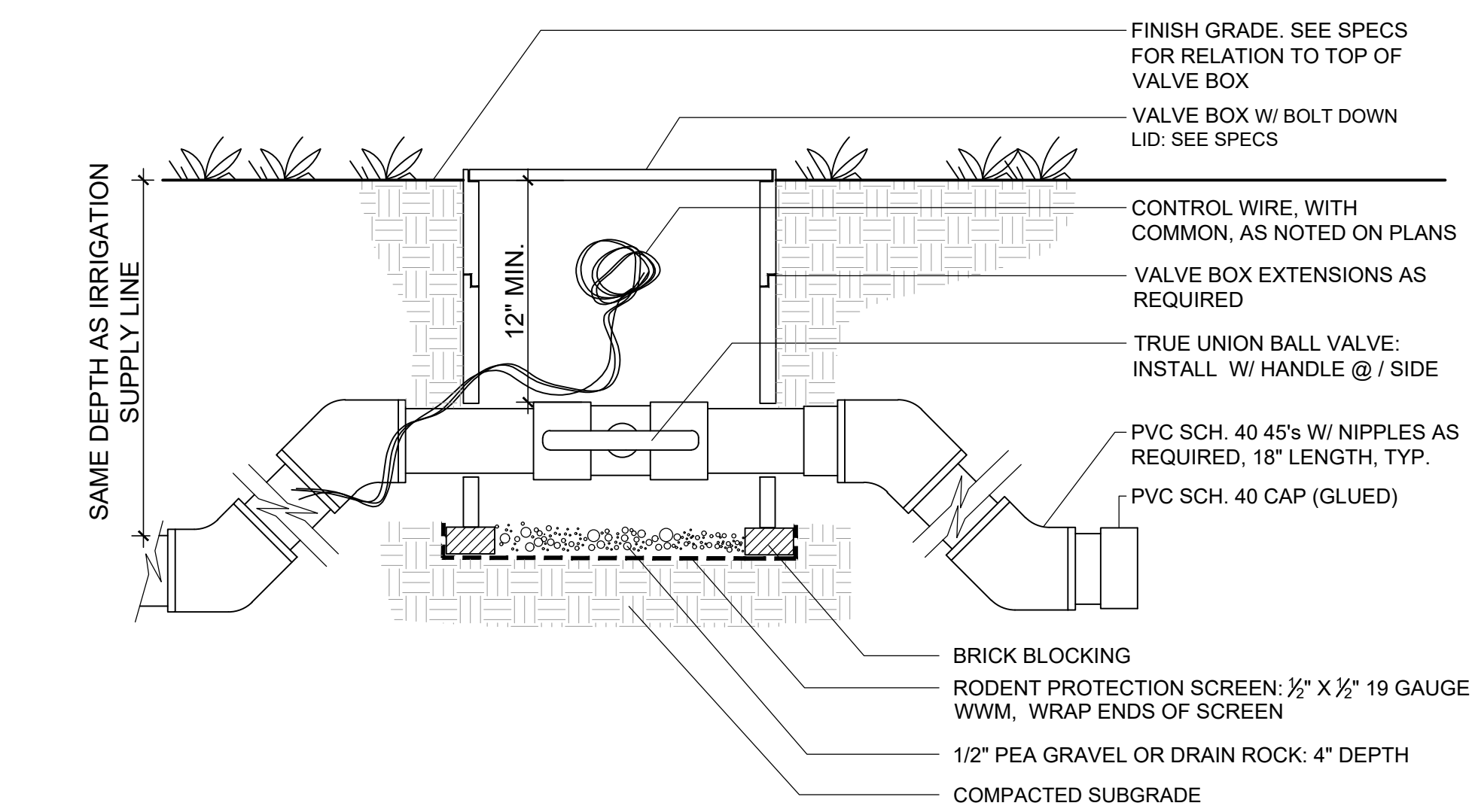


9 Trench Pipe Installation NTS

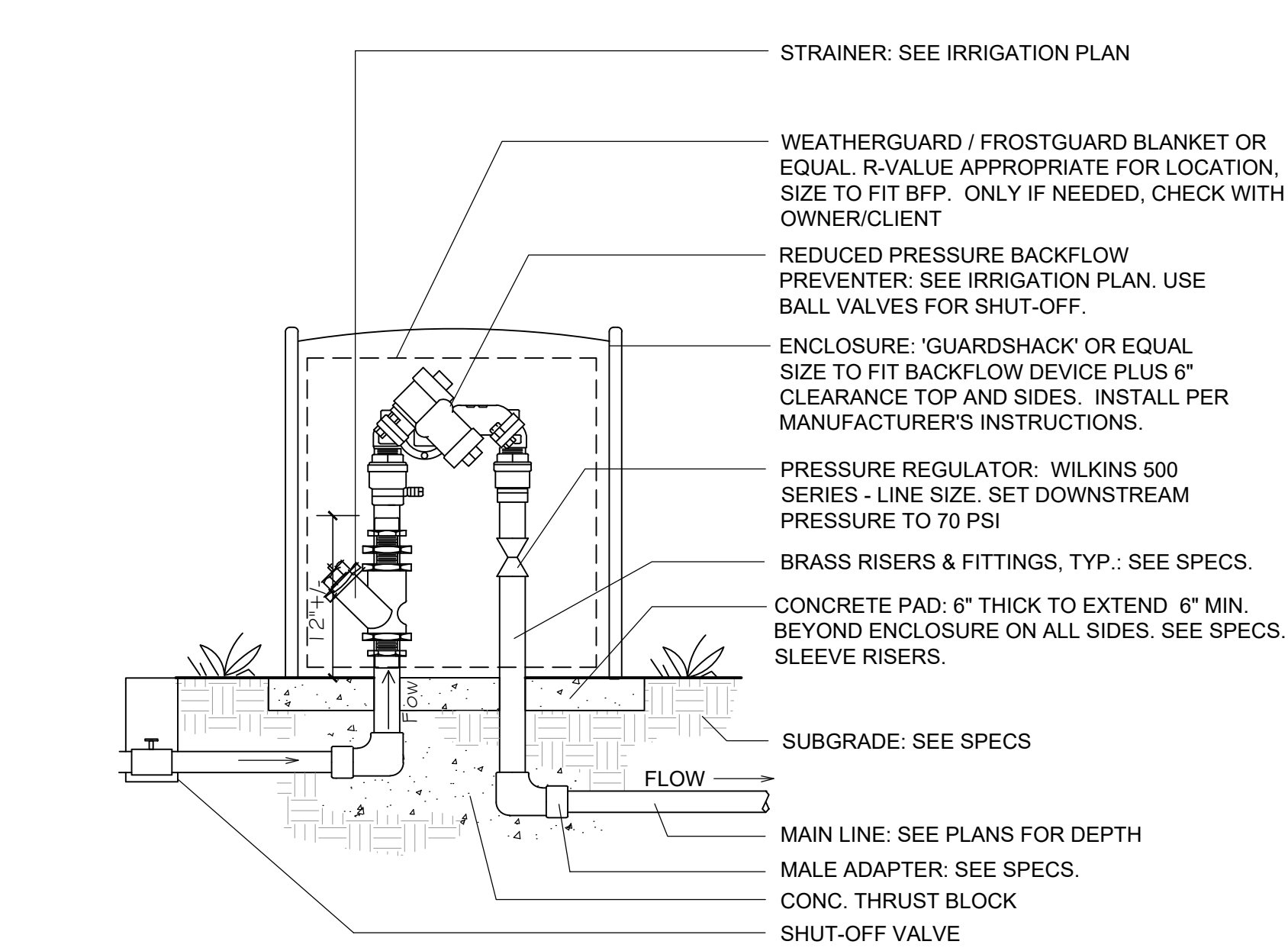


NOTE:
1. ALL VALVE BOXES MUST BE IDENTIFIED WITH A VALVE ID # ON BOX: SEE SPECIFICATIONS FOR ACCEPTABLE METHODS.
2. VALVE BOXES SHALL HAVE 12" CLEARANCE FROM STRUCTURES AND ANY CONCRETE AREAS. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO CONCRETE, SOUND WALL, HEADERBOARD, ETC.
2. SET BOXES 1-1/2" ABOVE FINISHED GRADE IN MULCH-COVERED AREAS. SET BOXES 1/2" ABOVE GRADE IN TURF AREAS. BOXES TO BE PERPENDICULAR TO FINISH GRADE.
3. SET VALVE BOX ASSEMBLY IN GROUND COVER / SHRUB AND NOT IN SIDEWALK OR ROADWAY. INSTALL IN LAWN ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN.
4. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.
5. RECTANGULAR VALVE BOXES SHALL HAVE 4 BRICKS INSTALLED, ONE UNDER EACH CORNER. ROUND VALVE BOXES SHALL HAVE 2 COMMON BRICKS INSTALLED, AT OPPOSITE SIDES. BRICKS SHALL NOT BE PLACED OVER ANY PIPE OR ITEM THAT COULD FAIL DUE TO BRICK PLACEMENT
6. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.

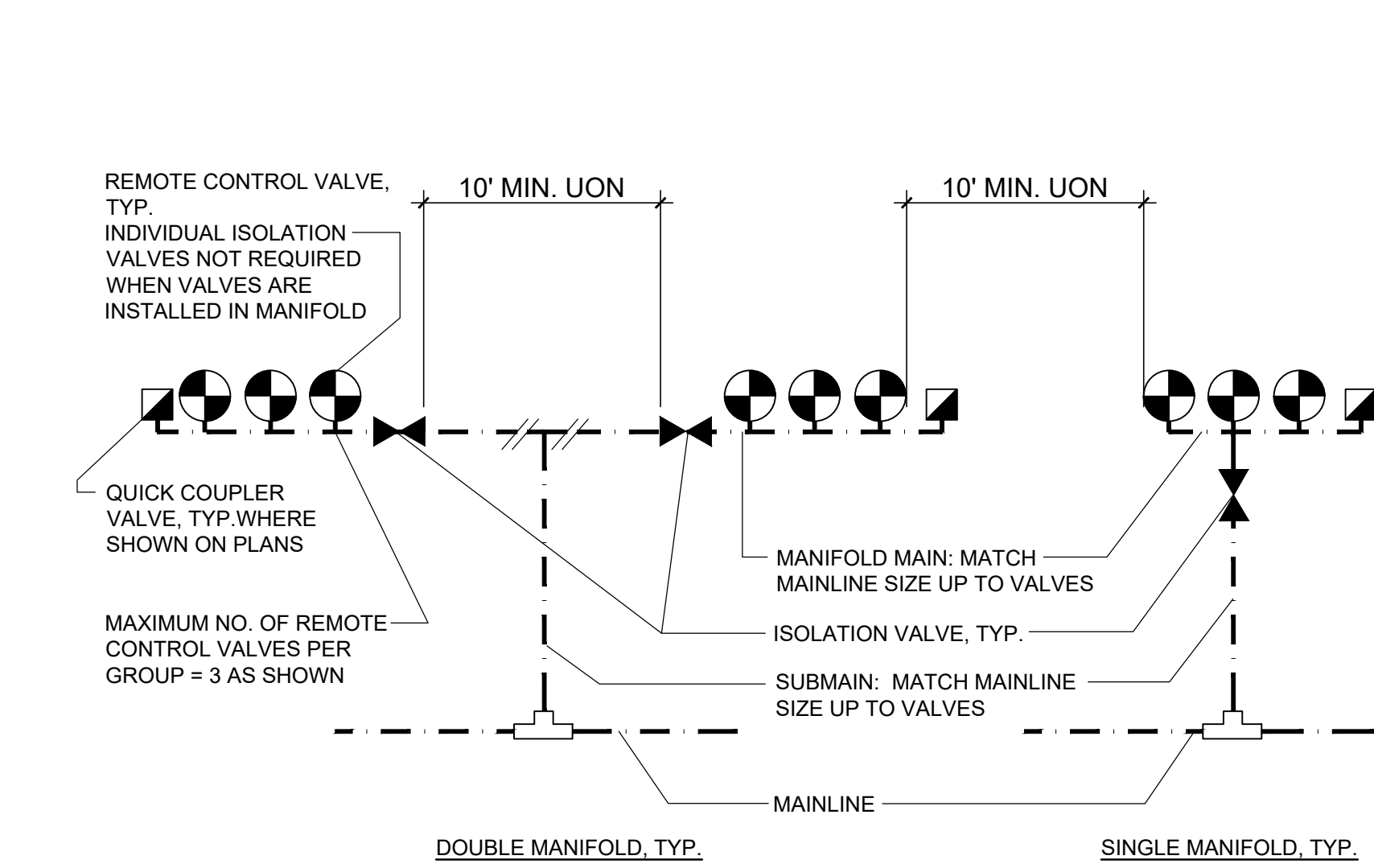
6 Quick Coupler NTS



3 Remote Control Valve NTS



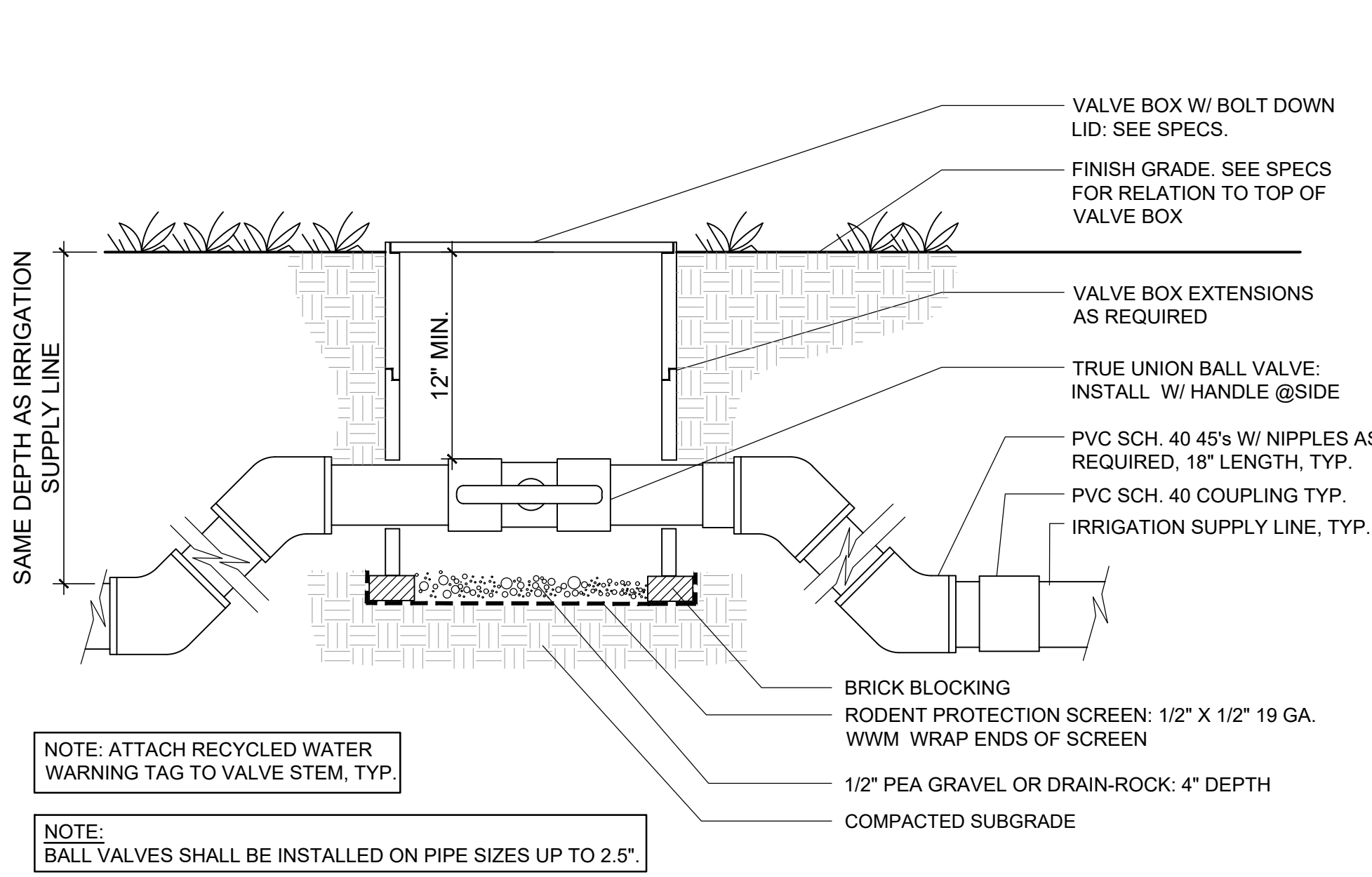
8 Valve Box Installation NTS



NOTE:
MAX. 3 REMOTE CONTROL VALVES PER ISOLATION SHUT-OFF VALVE.
SUB MAINS MAY TRANSITION TO CLASS 315 PVC FROM MAINLINES THAT ARE RING-TITE PVC PIPE.

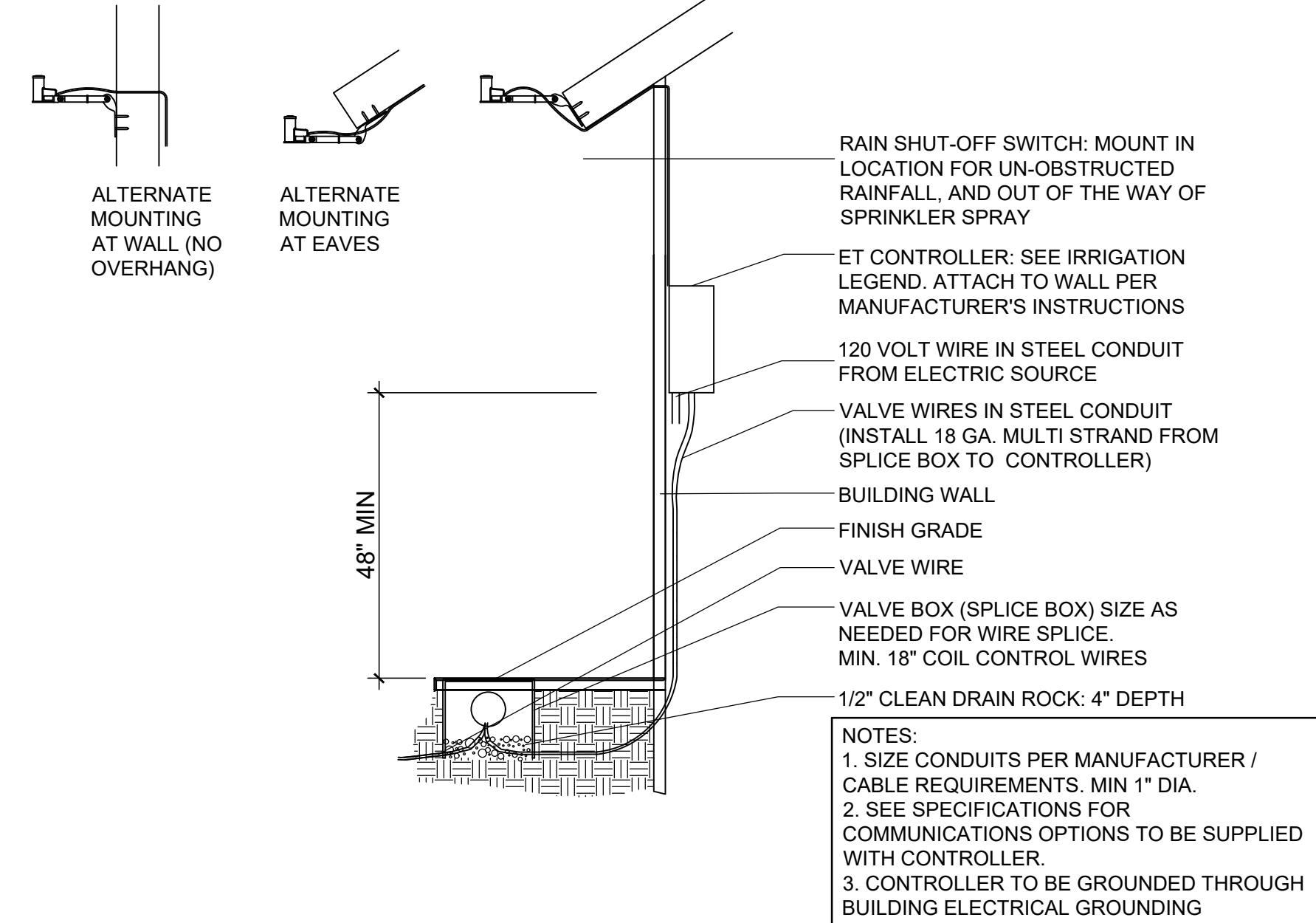
7 Typ. Valve Manifold NTS

5 Mainline Stubout NTS



4 Ball Valve NTS

2 Backflow Device: 2-1/2" Pipe or Less NTS



1 Controller Wall Mount Interior NTS

Harvest Moon Agricultural Employee Housing Project

800 & 801 W. ROSSI ST
SALINAS, CA 93908

APN: 261-011-026



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Drawn By:

AC

Drawing Date:

08/14/20

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1968

Revisions:

1	06-18-20	PC#1
2	07-28-20	REVISION
3	08-14-20	FOR CONSTRUCTION

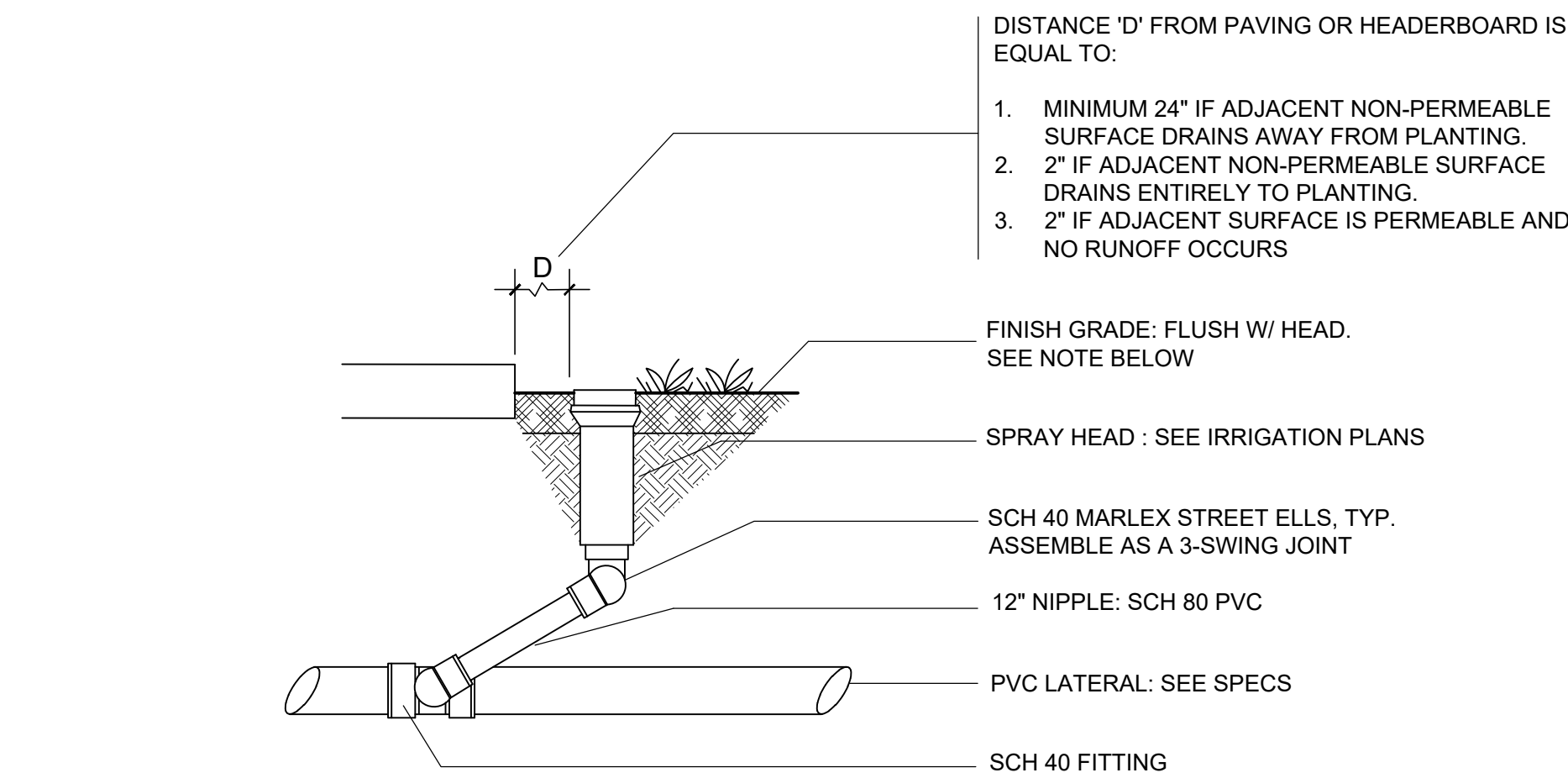
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Sheet Title:

Irrigation & Planting Details

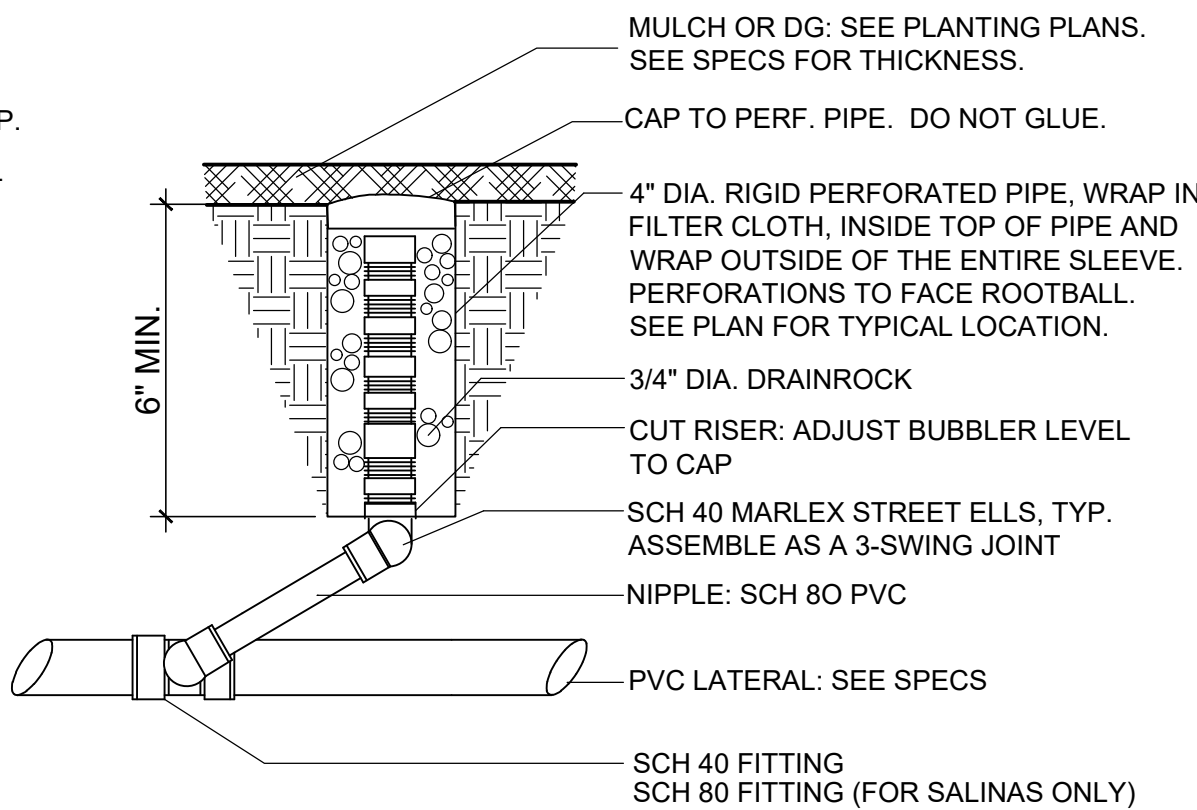
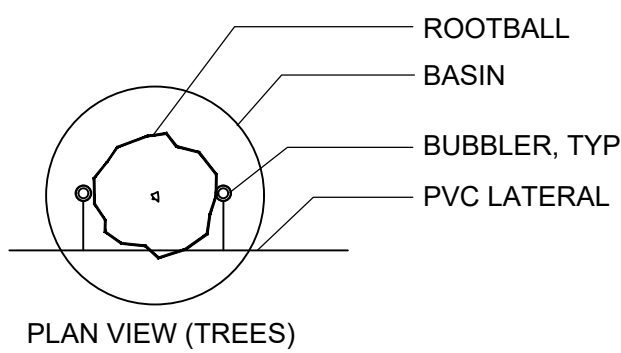
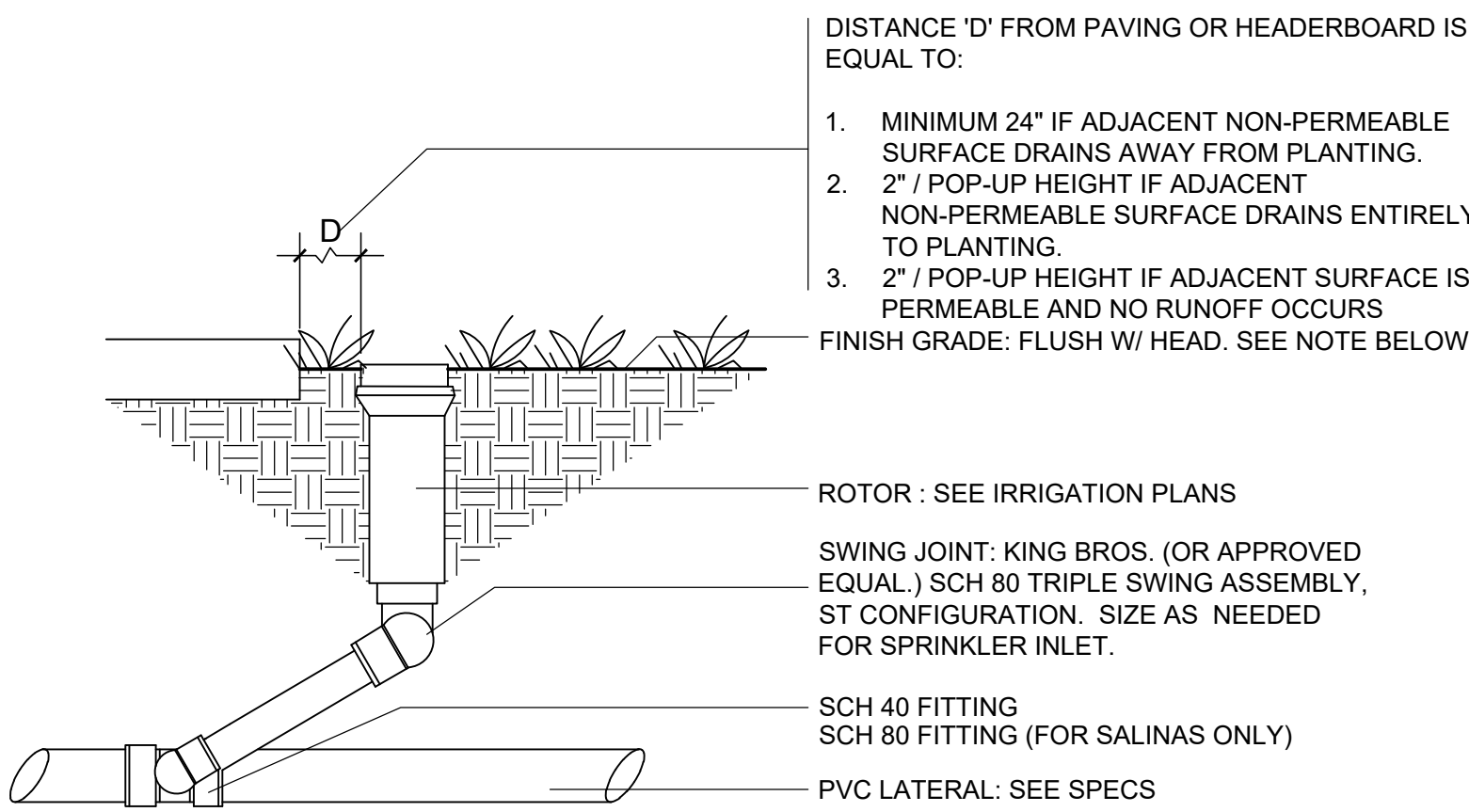
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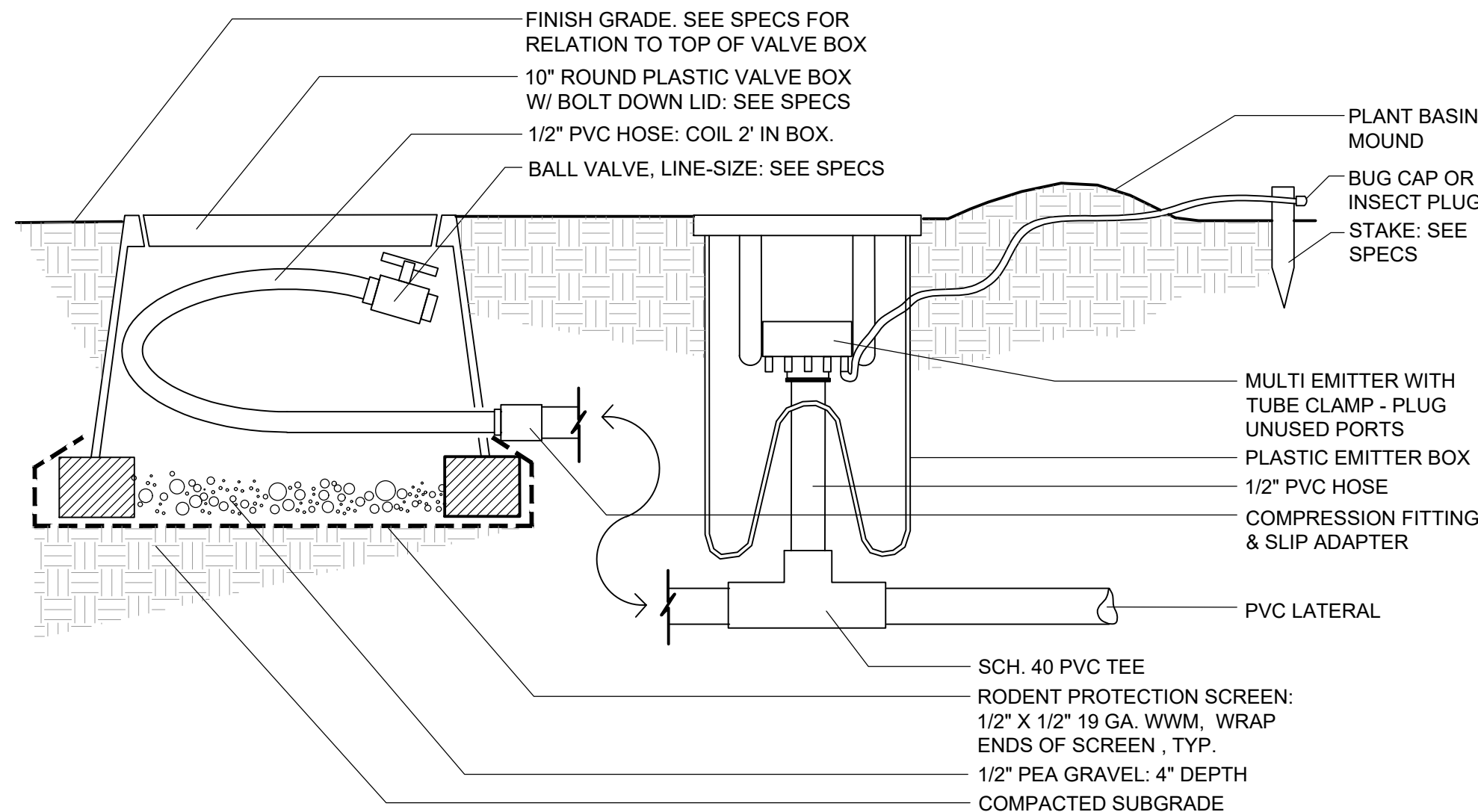
NOTE:
1. ALL IRRIGATION HEADS USED IN PLANTED SHRUB AREAS TO BE INSTALLED TO FINAL GRADE, NOT FLUSH TO TOP OF CURB OR SIDEWALK.
2. ALL IRRIGATION HEADS TO BE INSTALLED PERPENDICULAR TO FINAL GRADE.
3. ALL IRRIGATION HEADS TO BE INSTALLED WITH SWING JOINTS AS SHOWN.
4. ALL POP-UP IRRIGATION HEADS SHALL HAVE CHECK VALVE INSTALLED IN THEM.

6 Spray NTS



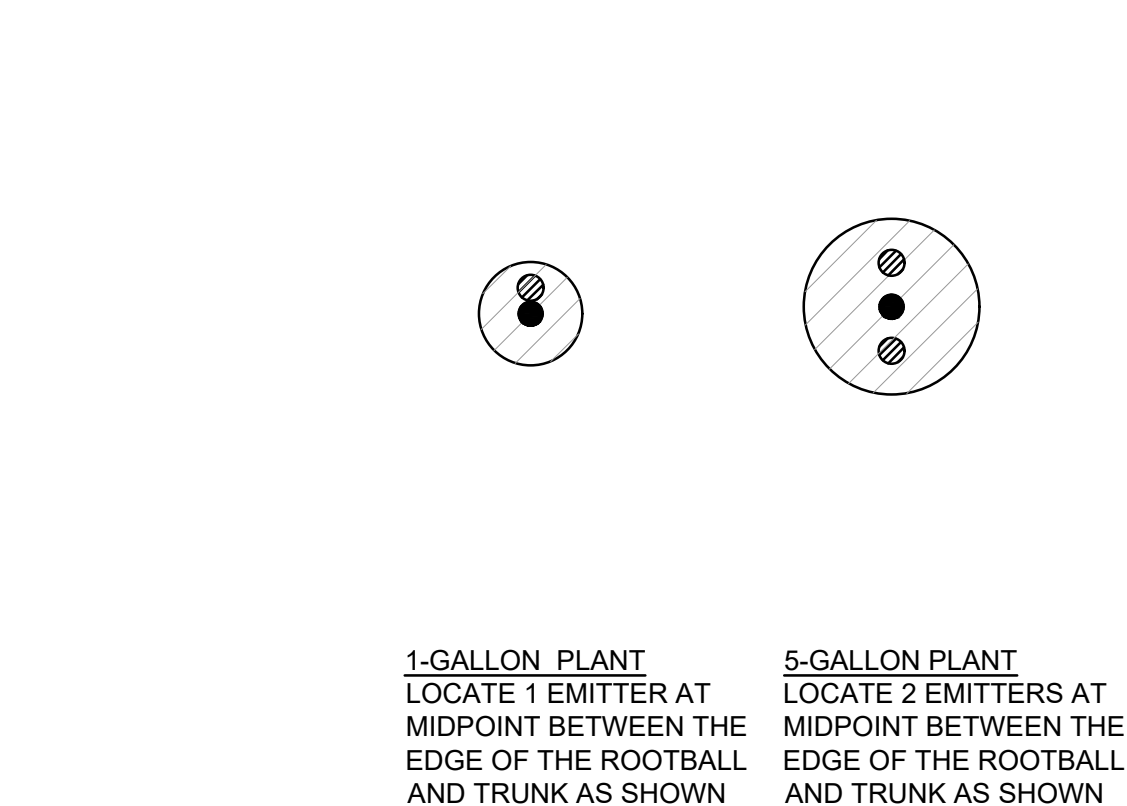
NOTE:
1. TOP OF BUBBLER CAP TO BE BELOW MULCH OR DG AS SHOWN.
2. BUBBLERS TO BE PLACED WITHIN 12" OF PLANT, INSIDE WATER BASIN.
3. BUBBLERS TO BE PLACED PERPENDICULAR TO GROUND.
4. IF PLANT IS ON A SLOPE > 5%, INSTALL BUBBLERS ON UPHILL SIDE.

5 Tree Bubbler NTS



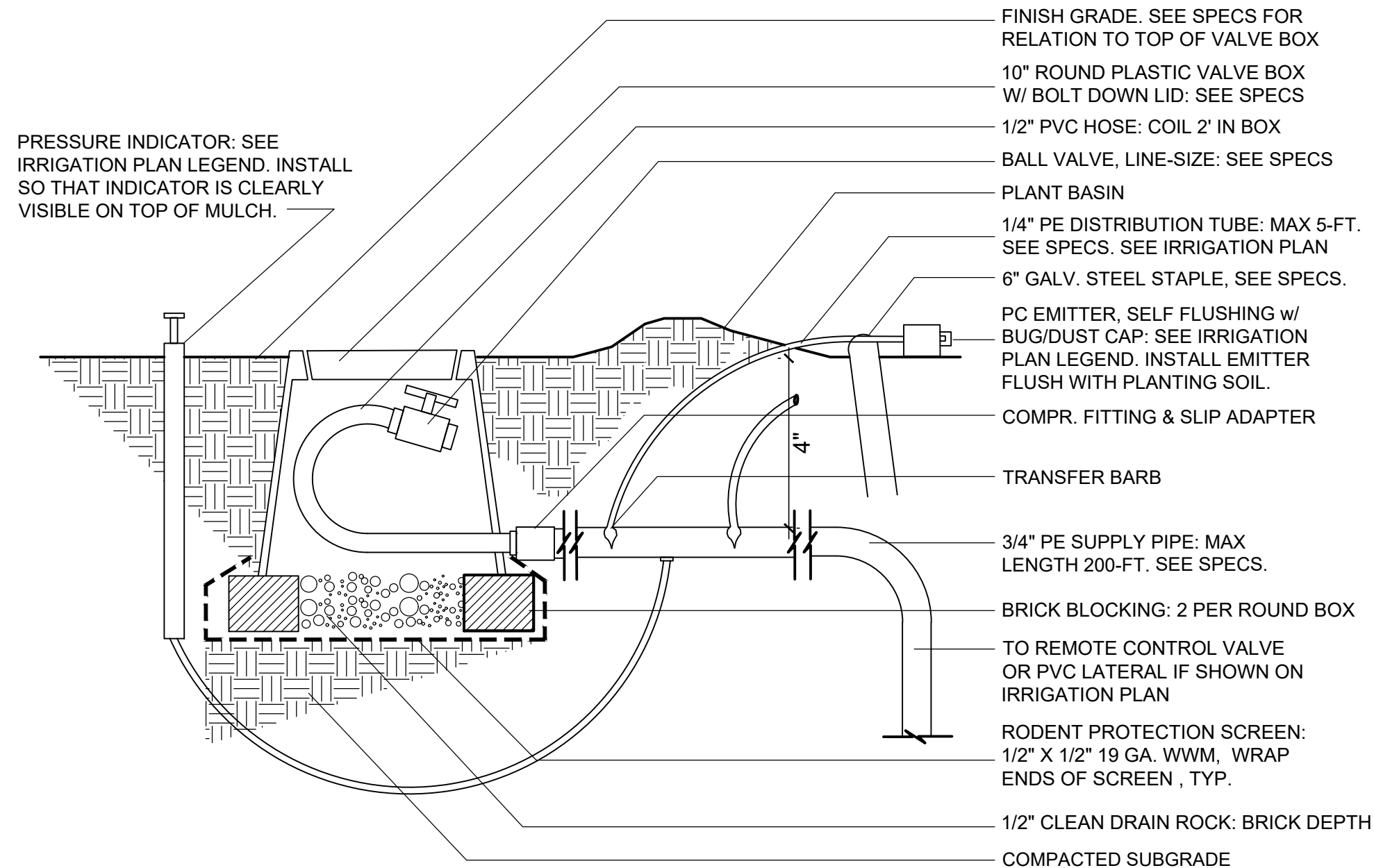
NOTE: SEE EMITTER SCHEDULE PER VOLUMES TO EACH PLANT SIZE

4 Drip Irrigation: Multi Emitter NTS

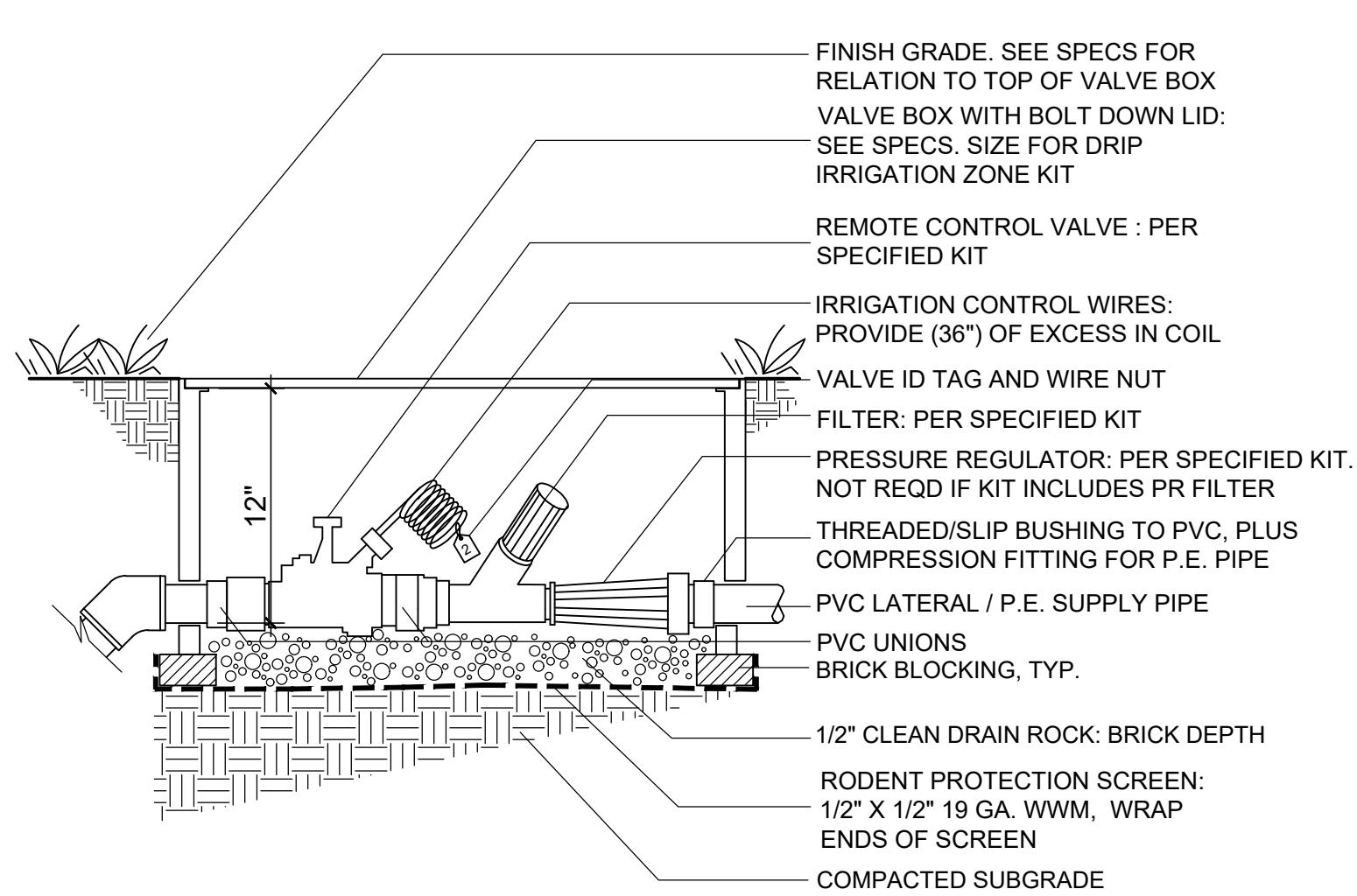


NOTES:
1. ON SLOPES, LOCATE THE EMITTERS TOWARDS THE UPHILL SIDE OF THE ROOTBALL.
2. SEE IRRIGATION LEGEND FOR EMITTER GPH AND CONNECTION METHODS TO SUPPLY LINE
3. SEE SPECS FOR SUPPLY & DISTRIBUTION PIPE
4. FOR PLANTS LARGER THAN 24" BOX, USE SOAKER HOSE OR SUB-SURFACE IRRIGATION AS SHOWN ON THE PLANS.

3 Drip Irrigation: Emitter Layout NTS



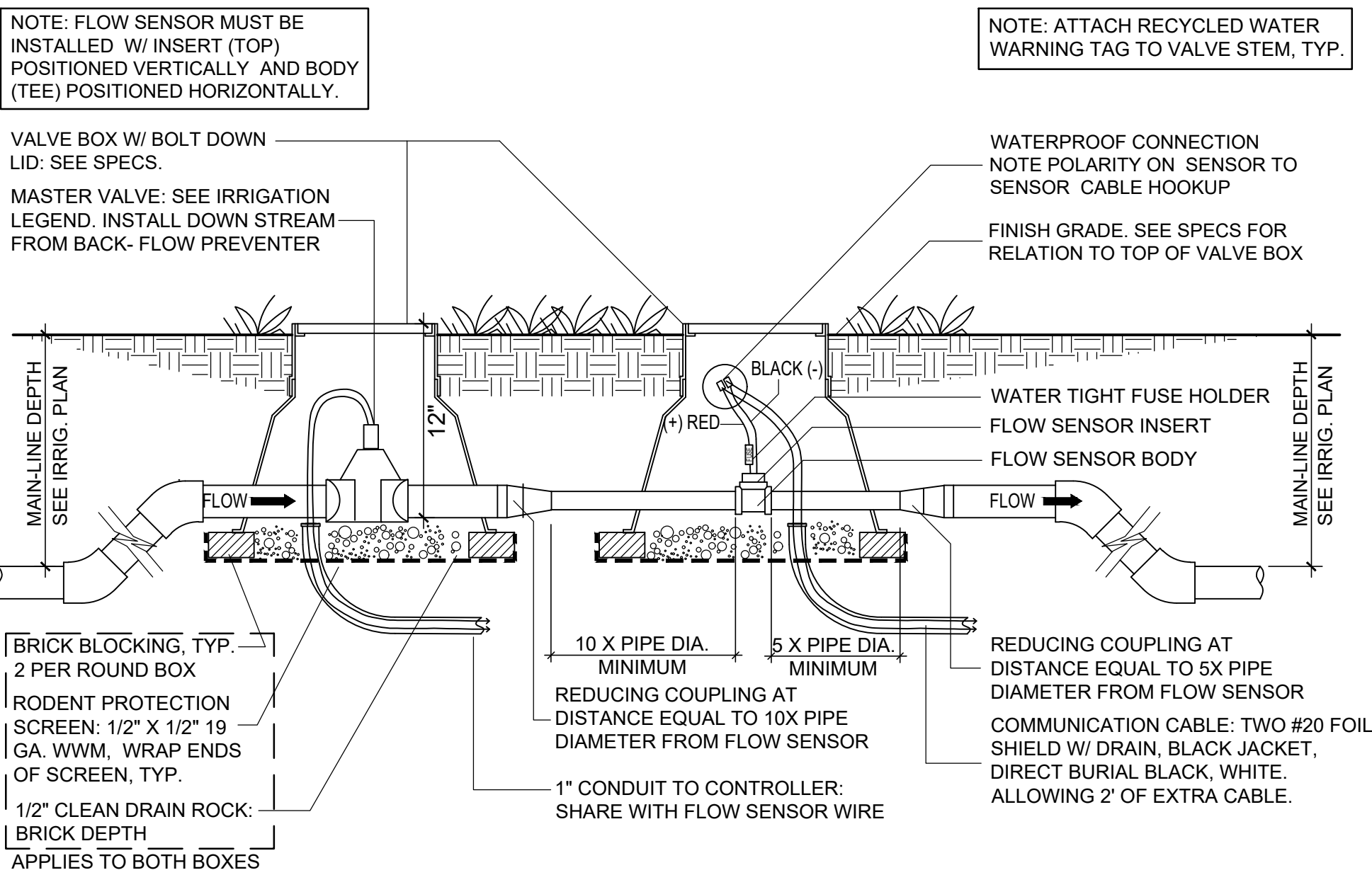
2 Drip Irrigation : PE Tube / Emitter / Flush Port NTS



NOTE:
1. ONE REMOTE CONTROL VALVE KIT PER BOX.
2. BOX SHALL NOT REST UPON OR TOUCH THE VALVE, FILTER OR ANY LATERAL AT ANY POINT.
3. 'TEFLON' TAPE REQUIRED ON ALL THREADED JOINTS.

1 Drip Irrigation : Valve Zone Kit Assembly NTS

8 Rotor NTS

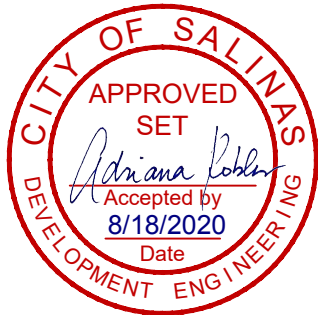


7 Master Valve / Flow sensor NTS

Harvest Moon
Agricultural
Employee
Housing Project

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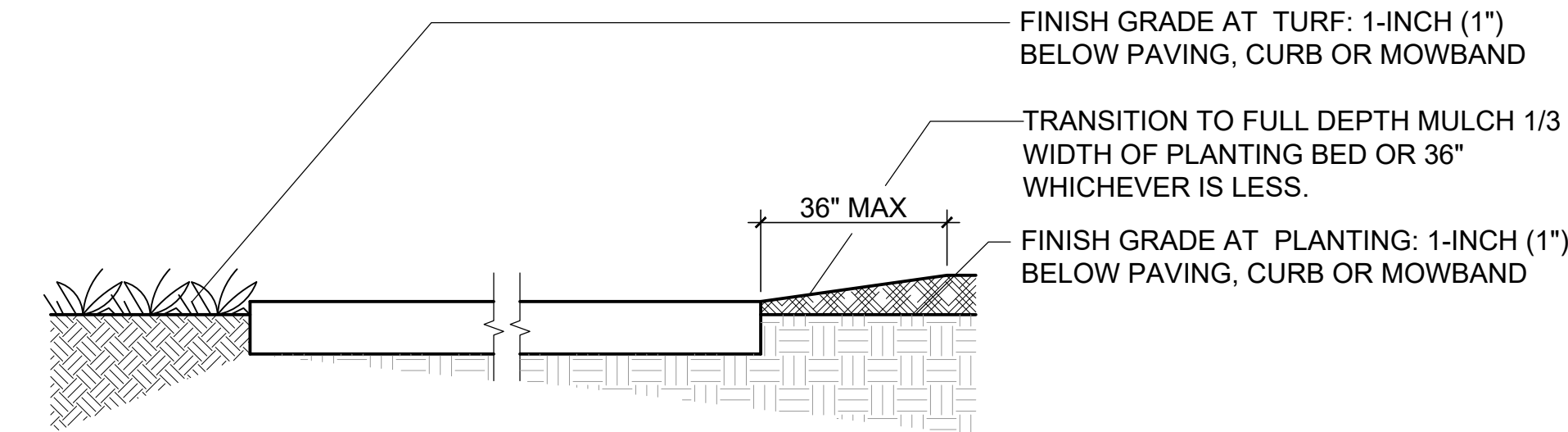
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3 08-14-20 FOR CONSTRUCTION

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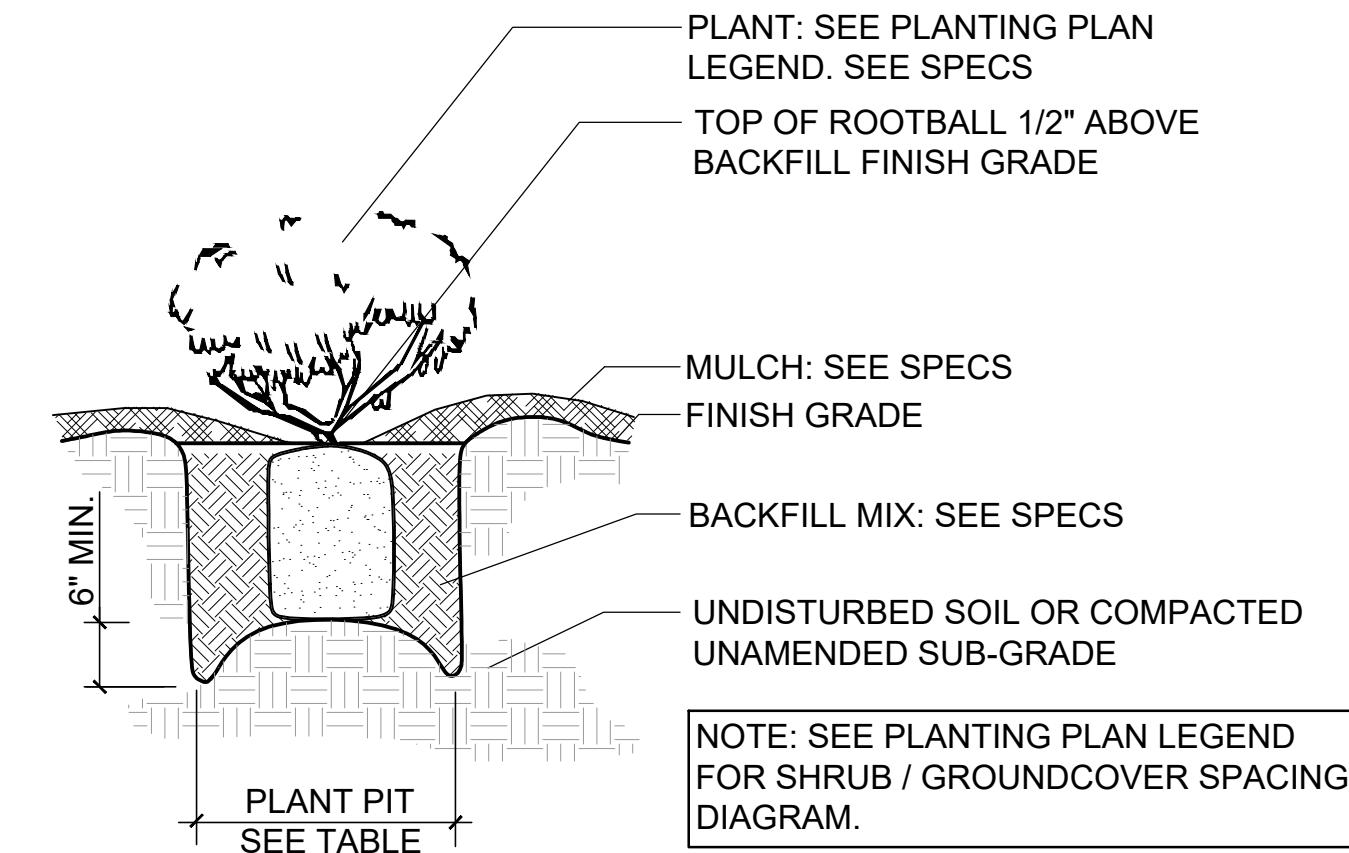
Irrigation & Planting
Details

Sheet Number:



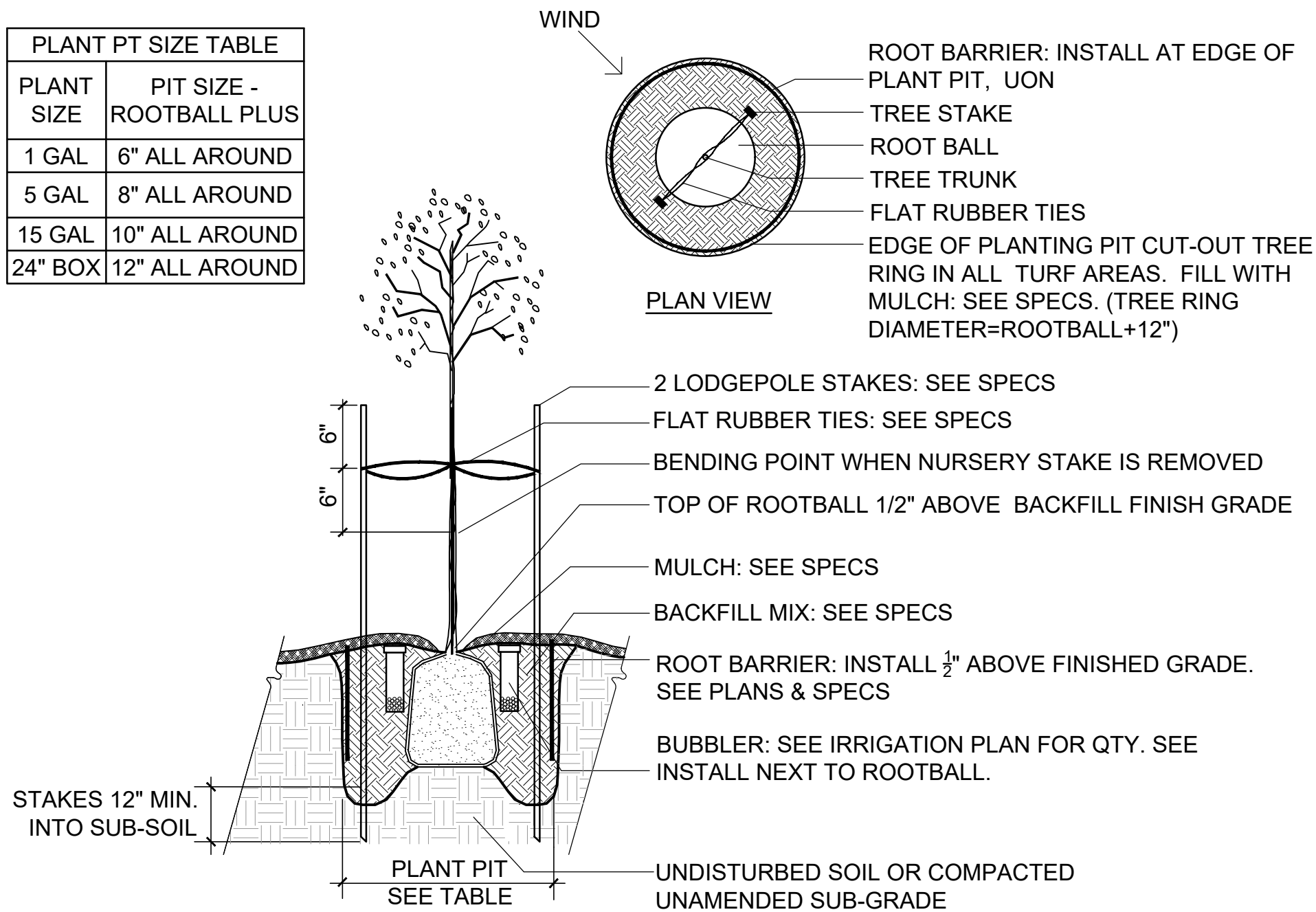
3 Finish Grade
NTS

PLANT PIT SIZE TABLE	
PLANT SIZE	PIT SIZE - ROOTBALL PLUS
4" POT	3" ALL AROUND
1 GAL	6" ALL AROUND
5 GAL	8" ALL AROUND
15 GAL	10" ALL AROUND

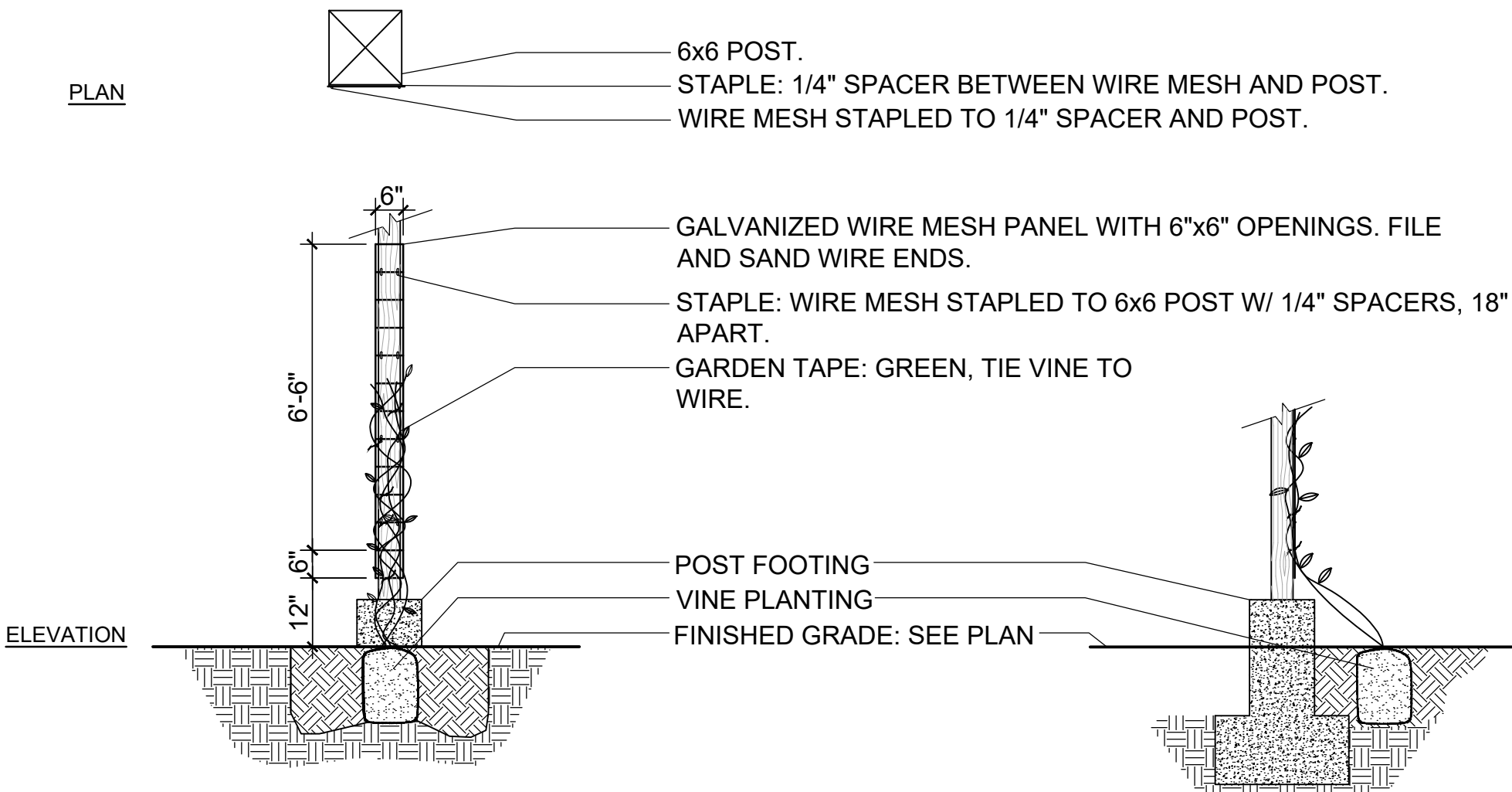


2 Shrub / Groundcover Planting
NTS

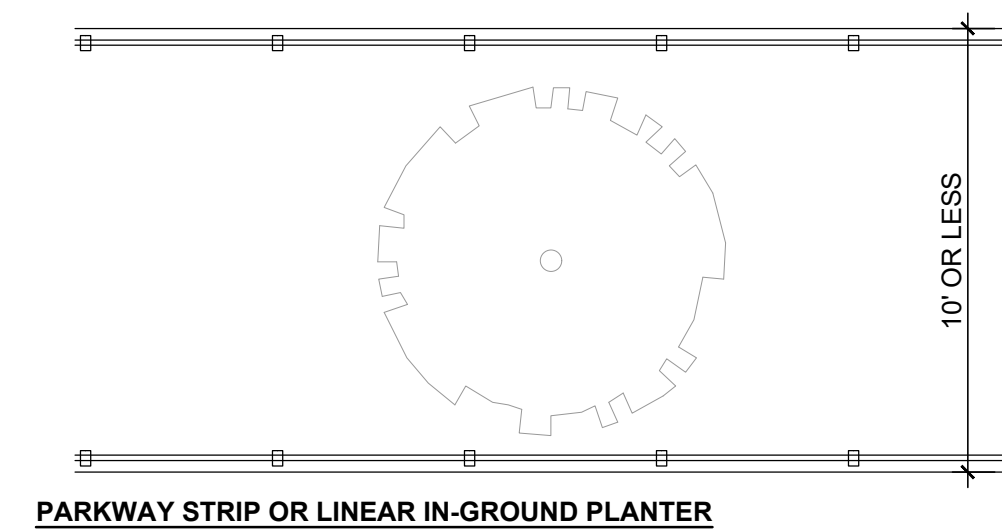
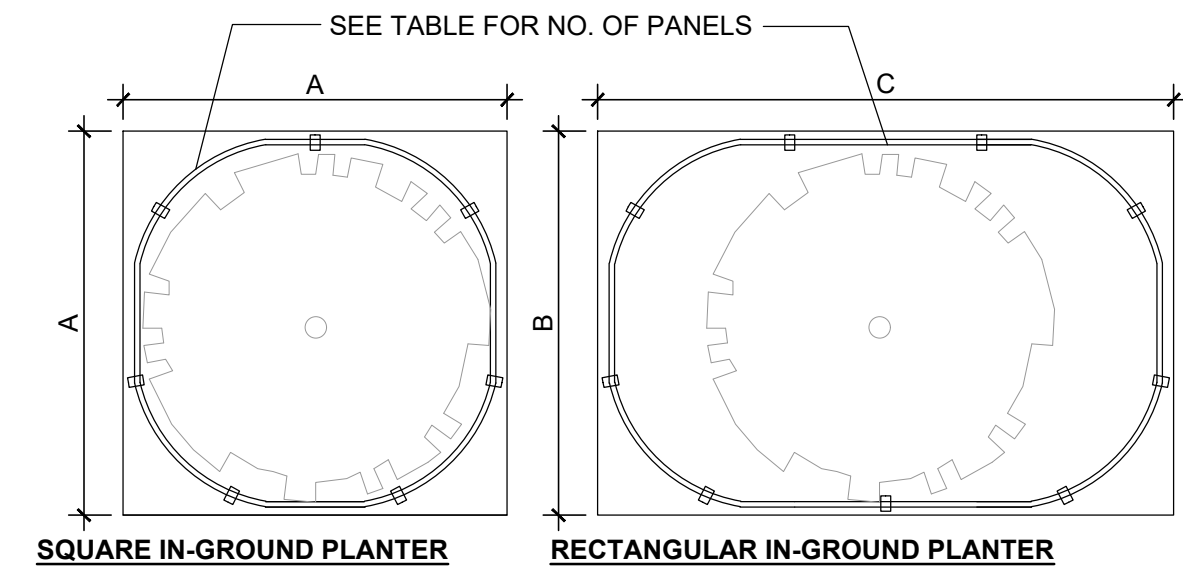
PLANT PT SIZE TABLE	
PLANT SIZE	PIT SIZE - ROOTBALL PLUS
1 GAL	6" ALL AROUND
5 GAL	8" ALL AROUND
15 GAL	10" ALL AROUND
24" BOX	12" ALL AROUND



1 Tree Planting & Staking
NTS



5 Vine Support
NTS



4 Root Barrier
NTS

PLANTING BEDS ALONG PAVING	
BOX SIZE	24" PANELS
24"	7
36"	9
48"	11
60"	13

TREES IN PARKWAY STRIPS	
EXISTING OR PROP CANOPY DIA	24" PANELS / SIDE (")
12' (SMALL)	7
18' (MEDIUM)	10
24' (LARGE)	13

(*) ROOT BARRIERS NOT REQUIRED AT CURBS 18" OR GREATER DEPTH

FOR CONSTRUCTION