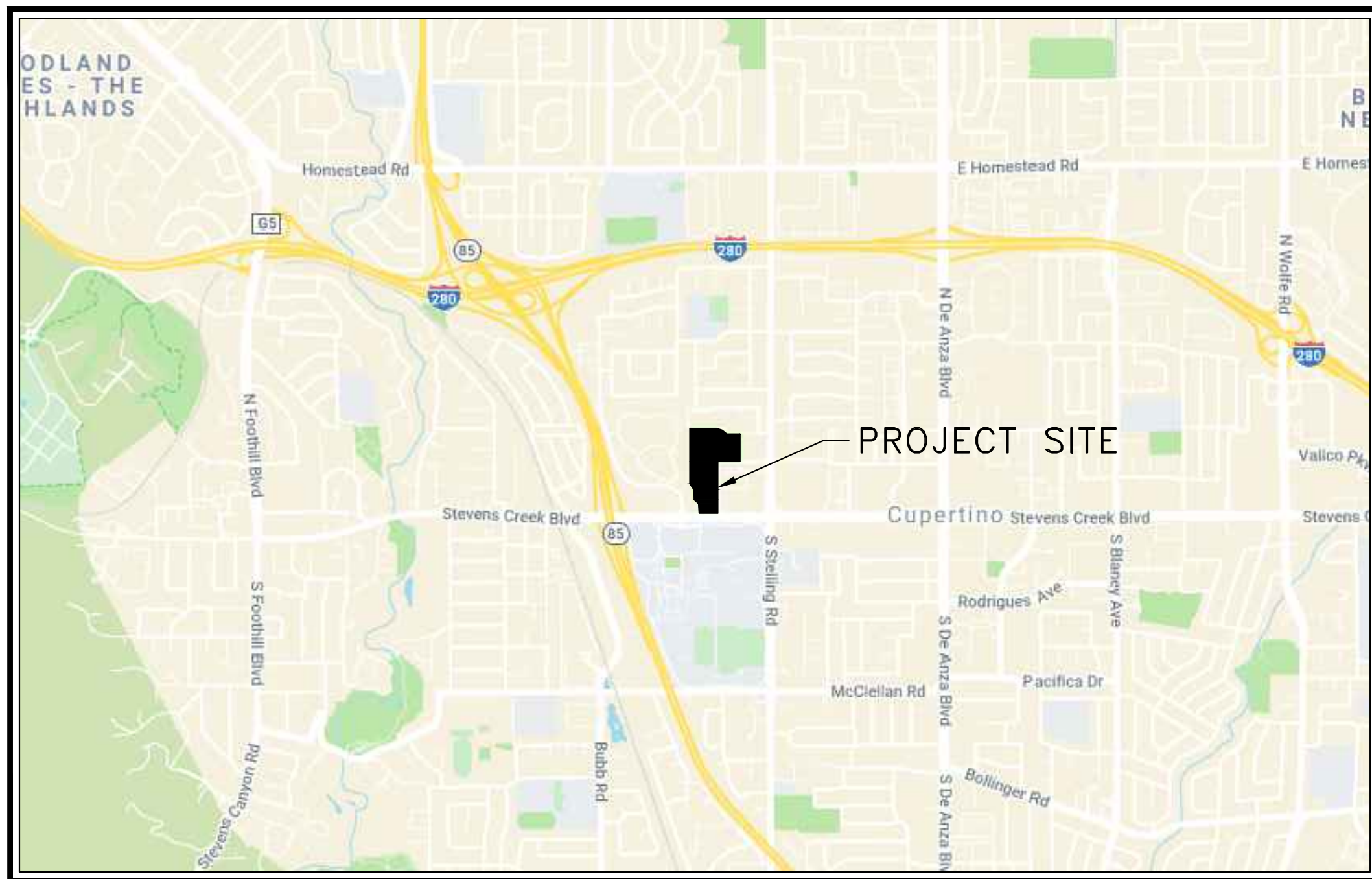


VICINITY MAP



# MEMORIAL PARK PONDS REPURPOSING PROJECT NO. 2022-03

## CUPERTINO, CALIFORNIA



SITE MAP

**ABBREVIATIONS**

AC	ASPHALT CONCRETE	RW	RECYCLED WATER
ACP	ASBESTOS CEMENT PIPE	S	SLOPE
BAM	BITUMINOUS AGGREGATE MIXTURE	SD	STORM DRAIN
COMM	COMMUNICATIONS	SF	SQUARE FEET
CONC	CONCRETE	SL	STREET LIGHT
E	ELECTRICAL	TC	TOP OF CURB
EG	EXISTING GROUND	TYP	TYPICAL
EP	EDGE OF PAVEMENT	U	UTILITY
EX	EXISTING	V	VALVE
FG	FINISHED GROUND	W	WATER
FL	FLOW LINE		
GR	GRATE		
I	INTERSTATE		
IRR	IRRIGATION		
JT	JOINT TRENCH		
LIP	LIP OF GUTTER		
LF	LINEAR FEET		
LS	LANDSCAPE		
NG	NATURAL GROUND		
NO.	NUMBER		
NTS	NOT TO SCALE		
PIP	PROTECT-IN-PLACE		
PVC	POLYVINYL CHLORIDE PIPE		
RCP	REINFORCED CONCRETE PIPE		
RIM	RIM ELEVATION		
ROW	RIGHT OF WAY		
RTE	ROUTE		

**LEGEND**

— SS — SS —	EXISTING SANITARY SEWER
— S — S —	EXISTING STORM DRAIN
— W — W —	EXISTING WATER
— RW — RW —	EXISTING RECYCLED WATER
— TEL — TEL —	EXISTING TELEPHONE UTILITY
— COMM —	EXISTING COMMUNICATIONS
— E — E —	EXISTING ELECTRICAL
— GAS — GAS —	EXISTING GAS
— — —	EXISTING JOINT TRENCH
— — —	PARCEL/ROW LINE
⊙	EXISTING SANITARY SEWER MANHOLE
⊕	EXISTING STORM DRAIN INLET
⊙	EXISTING STREET SIGN
●	EXISTING POWER POLE
⊙	EXISTING STREET LIGHT
⊕	EXISTING STREET LIGHT BOX
× 100.00 AC	EXISTING SURVEY POINT

**INDEX OF DRAWINGS**

SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
C1.1	COVER SHEET	L1.0	OVERALL IRRIGATION PLAN
C2.1	DETAILS	L1.1	IRRIGATION PLAN
C2.2	DETAILS	L1.2	IRRIGATION PLAN
C3.1	EXISTING CONDITIONS	L1.3	IRRIGATION DOCUMENTATION
C4.1	DEMOLITION PLAN	L1.4	IRRIGATION DOCUMENTATION
C4.2	DEMOLITION PLAN	L2.0	PLANTING PLAN
C5.1	IMPROVEMENT PLAN	L2.1	PLANTING PLAN
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C6.1	CROSS SECTIONS	L3.1	LANDSCAPE DETAILS
C7.1	WATER POLLUTION CONTROL PLAN	L3.2	LANDSCAPE DETAILS
C7.2	CONSTRUCTION BEST MANAGEMENT PRACTICES	L3.3	LANDSCAPE DETAILS

**CITY OF CUPERTINO GENERAL NOTES**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION, AS AMENDED), AND STANDARD PLANS (LATEST EDITION, AS AMENDED), AND CITY OF CUPERTINO STANDARD DETAILS. THE CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THE SPECIFICATION, AND AS SHOWN ON THE DRAWINGS, AND TO THE SATISFACTION OF THE CITY ENGINEER.
- APPROVAL OF THESE PLANS SHALL NOT RELEASE CONTRACTOR OF THE RESPONSIBILITY FOR CORRECTIONS OF MISTAKES, ERRORS, OR OMISSIONS CONTAINED THEREIN. IF DURING THE COURSE OF CONSTRUCTION OF IMPROVEMENTS, PUBLIC INTEREST REQUIRES A MODIFICATION OF/OR A DEPARTURE FROM THE CITY OF CUPERTINO STANDARD DETAILS OR THESE IMPROVEMENTS PLANS, THE CITY ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUCH MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE COMPLETED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE APPROVED PLANS OR THE LATEST REVISED PLANS ARE FURNISHED TO ITS SUBCONTRACTORS, AND TO ENSURE THE LATEST APPROVED PLANS ARE ONSITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF CUPERTINO PUBLIC WORKS INSPECTOR TWO (2) WORKING DAYS PRIOR TO REQUIRING AN INSPECTION. CALL (408) 777-3104 TO SCHEDULE PUBLIC WORKS INSPECTIONS.
- CONSTRUCTION AREA TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO BEGINNING OF WORK.
- THE CONTRACTOR SHALL LOCATE UNDERGROUND FACILITIES IN THE AREA OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 TWO (2) WORKING DAYS IN ADVANCE OF ANY WORK FOR LOCATION OF THE UNDERGROUND FACILITIES.
- ALL TRENCH BACKFILL, FILL AREAS, AND BASE MATERIAL SHALL ATTAIN A MINIMUM 95% RELATIVE COMPACTION, UNLESS SPECIFIED OTHERWISE ON THE PLANS. FOR TYPICAL TRENCH SECTIONS, EXCEPT FOR SANITARY SEWERS, REFER TO THE CITY STANDARD DETAILS.
- TREES, ROOTS, AND FOREIGN MATTER IN EXISTING OR PROPOSED RIGHT-OF-WAY SHALL BE REMOVED TO A DEPTH OF TWO (2) FEET BELOW SUBGRADE AND DISPOSED OF PER CALTRANS STANDARDS. IN THE CASE OF LIVE TREE ROOTS FROM CITY STREET TREES, CONTRACTOR SHALL CONTACT THE CITY FOR FIELD OBSERVATION PRIOR TO REMOVING TREE ROOTS.
- TRENCH PLATES IN THE TRAVELED WAY SHALL BE TRAFFIC RATED, PROPERLY SECURED AND SHALL BE RECESSED UPON THE REQUEST OF THE DIRECTOR OF PUBLIC WORKS.
- ALL TRENCHES LOCATED WITHIN 5' OF THE EDGE OF PAVEMENT (I.E. CURB, LIP OF GUTTER, EDGE OF PAVEMENT, ETC.) SHALL BE REPAVED TO THE EDGE OF PAVEMENT.
- ALL NEW PAVEMENT SHALL MATCH THE EXISTING PAVEMENT SECTION. A MINIMUM PAVEMENT SECTION OF 3" AC/6" CLASS 2 AB IS REQUIRED.
- EXISTING PAVEMENT THAT IS REMOVED OR DAMAGED SHALL BE REPLACED AS REQUIRED BY THE CITY ENGINEER.
- MANHOLE FRAMES AND COVERS SHALL BE BROUGHT TO FINISH GRADE PRIOR TO FINAL SIGNOFF.
- CONCRETE FOR USE IN ALL CONCRETE STRUCTURES SHALL CONFORM TO CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 90. DROP INLETS, SIDEWALKS, CURBS AND GUTTERS SHALL CONTAIN 590 LBS. OF CEMENT PER CUBIC YARD AND SHALL ATTAIN A MINIMUM STRENGTH OF 3,000 PSI IN 28 DAYS.
- ONE POUND OF DISPERSING BLACK SHALL BE MIXED WITH EACH CUBIC YARD OF CONCRETE AT THE BATCH PLANT.
- CONSTRUCTION SURVEY STAKES OR MARKS (CONTROL STAKES) TO ESTABLISH LINES AND GRADES SHALL BE SET BY THE CONTRACTOR'S SURVEYOR OR ENGINEER.
- NOTIFY THE CITY INSPECTOR TWO (2) WORKING DAYS IN ADVANCE OF REQUIRING SERVICES FOR CHECKING FIELD STAKING. THREE (3) COPIES OF THE CUT SHEETS SHALL BE FURNISHED TO THE CITY INSPECTOR.
- GRADING SHALL BE COMPLETED AS DETERMINED BY THE CITY ENGINEER, AS SHOWN ON THE PLANS, AND SHALL FOLLOW REQUIREMENTS AND STANDARDS AS SET FORTH IN THE CITY STANDARD GRADING AND DRAINAGE NOTES.
- CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND ENSURING THE AREA ADJACENT TO THE WORK IS LEFT IN A CLEAN CONDITION.
- CONTRACTOR SHALL REVIEW CITY DETAIL 6-4 ON TREE PROTECTION PRIOR TO ACCOMPLISHING ANY WORK OR REMOVING ANY TREES.
- UTILIZE BEST MANAGEMENT PRACTICES (BMP'S), AS REQUIRED BY THE STATE WATER RESOURCES CONTROL BOARD, FOR ANY ACTIVITY, WHICH DISTURBS THE SOIL.
- TO INITIATE RELEASE OF BONDS, CONTACT THE PUBLIC WORKS INSPECTOR FOR FINAL INSPECTION.
- PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT OF WAY, THE CONTRACTOR WILL BE RESPONSIBLE FOR PULLING AN ENCROACHMENT PERMIT FROM THE PUBLIC WORKS DEPARTMENT.
- WORK WITHIN THE AMPHITHEATER AREA SHALL NOT COMMENCE BETWEEN JUNE 15TH AND AUGUST 7TH. ALL CONSTRUCTION AND DEMOLITION AROUND AMPHITHEATER AREA TO BE COMPLETED PRIOR TO JUNE 15TH OR DELAYED UNTIL AFTER AUGUST 7TH.

CITY ENGINEER'S SIGNATURE

APPROVED BY: CHAD MOSLEY RCE 66077 DATE



Date:	04/19/22	CONFORMED SET	KDP	6/03/22
Scale:	NONE	BID SET	IRP	4/19/22
Designed:	IRP/LFH			
Drawn:	IRP/MCM/KDP			
Checked:	LFH			
Proj. Engr:	RJL			
File:	328001			

IMPROVEMENT PLANS FOR  
MEMORIAL PARK PONDS REPURPOSING PROJECT  
COVER SHEET

CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-03  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



CITY OF CUPERTINO  
SHEET C1.1

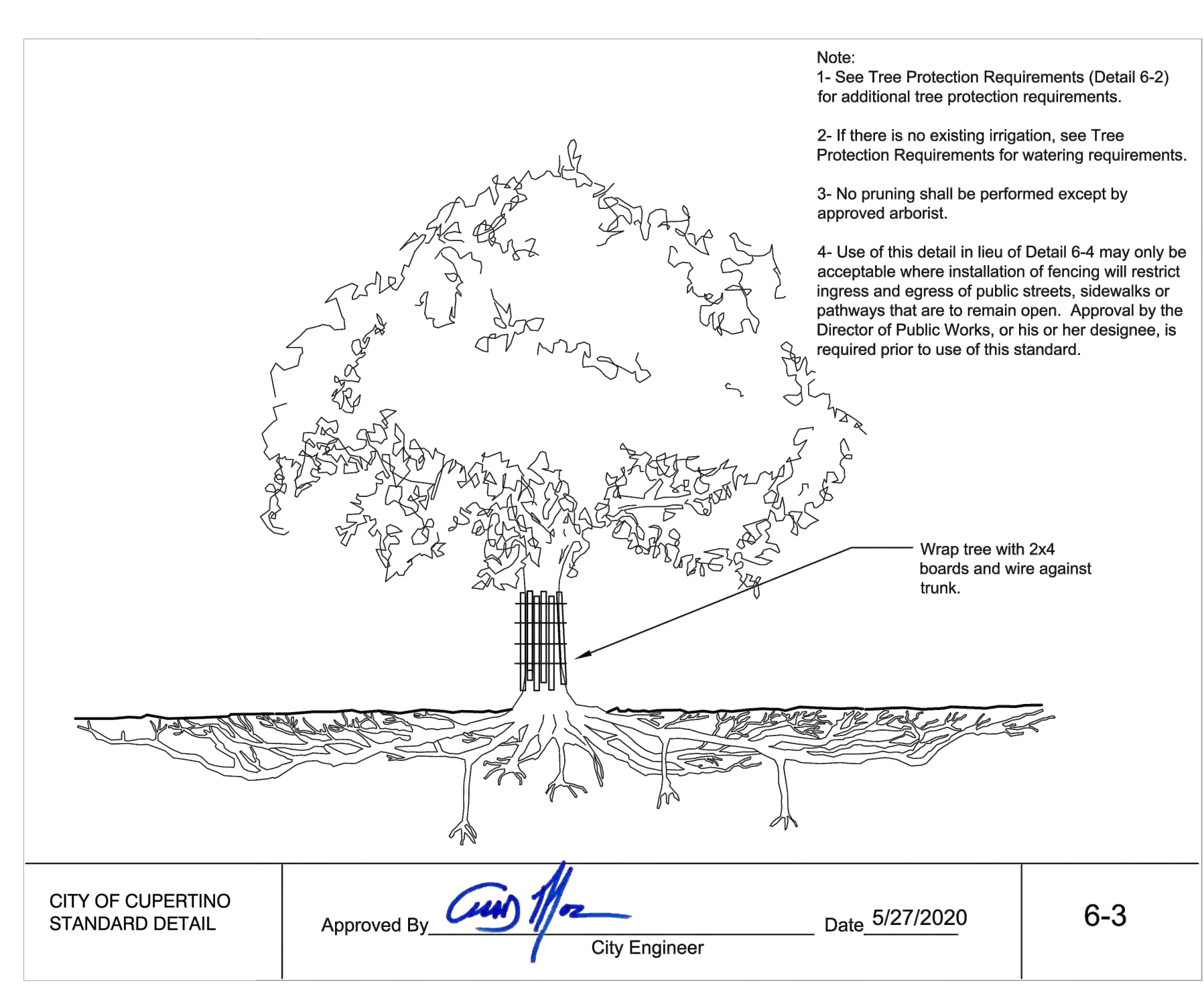
SHEET 1 OF 22



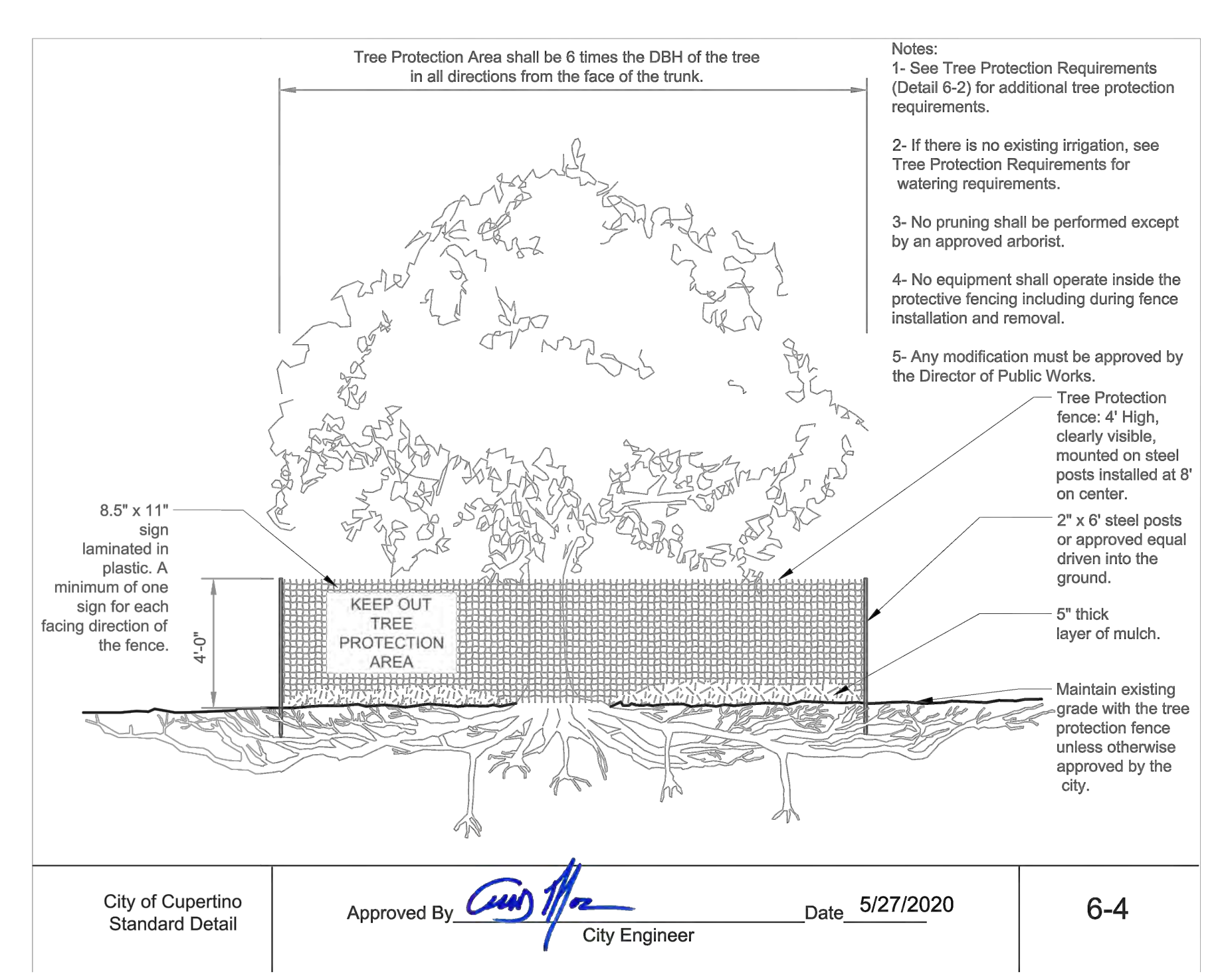
CONTRACTOR AGREES THAT SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SHEET C-21 PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

CITY OF CUPERTINO TREE PROTECTION REQUIREMENTS:			
1.	Prior to any construction operations contractor shall construct and maintain, for each protected tree on a construction site, protective fencing which encloses the outer limits of the Tree Protection Zone (TPZ). The TPZ is calculated to be a radius of 6 times the diameter of the tree's trunk measured 4.5 feet above the natural grade, or as otherwise approved by the Director of Public Works.		
2.	All protective fencing shall be in place prior to commencement of any site work and remain in place until all exterior construction activity at the site has been completed.		
3.	Protective fencing shall be at least four (4) feet high, clearly visible, affixed to 2 inch galvanized posts driven into the ground no less than 8' on center, and shall have a tree protection sign affixed to the fence every twenty (20) feet in such a manner to be clearly visible and legible to workers on the site at a distance of twenty-five (25) feet. The sign(s) shall read "Keep Out Tree Protection Zone".		
4.	Install a 5-inch layer of mulch within the TPZ to aid in retaining moisture.		
5.	Trees shall be kept well watered, especially during dry summer months. A long, slow soak over the entire root zone is the preferred method of watering. Frequent, shallow watering should be avoided, and water should not be directed at or near the trunks of trees.		
6.	The Contractor shall cause the required fencing and signage to be installed and maintained for the duration of the construction.		
7.	In situations where a protected tree remains in the immediate area of intended construction and the tree may be in danger of being damaged by construction equipment or other activity, the contractor or subcontractor shall protect the tree with 2"x4" lumber encircled with wire or other means that do not damage the tree. The intent is to protect the trunk of the tree against incidental contact by large construction equipment.		
8.	Material Storage: No storage or placement of materials intended for use in construction or waste materials accumulated due to excavation or demolition shall be placed within the limits of the TPZ of any protected tree.		
9.	Equipment Cleaning/Liquid Disposal: No equipment shall be cleaned or other liquids, including, without limitation, paint, oil, solvents, asphalt, concrete, mortar or similar materials shall be deposited or allowed to flow into the TPZ of a protected tree.		
10.	Tree Attachments: No signs, wires or other attachments, other than those of a protective nature, shall be attached to any protected tree.		
11.	Vehicular Traffic: No vehicular and/or construction equipment traffic or parking shall take place within the TPZ of any protected tree other than on existing street pavement.		
12.	No heavy equipment, including but not limited to trucks, tractors, trailers, bulldozers, excavators, skid steer tractors, trenchers, compressors, and hoists, shall be allowed inside the TPZ of any protected tree on any construction site.		
13.	Grade Changes: No grade changes shall be allowed within the limits of the TPZ of any protected tree unless adequate protective construction methods are approved in writing by the city.		
14.	Impervious Paving: No paving with asphalt, concrete or other impervious materials shall be placed within the limits of the TPZ of a protected tree.		
15.	Root Pruning: Any roots two inches or larger in diameter which are exposed as a result of trenching or other excavation and which are permitted to be cut shall be cut off square with a sharp medium tooth saw and covered with natural fiber burlap within two hours of initial exposure.		
16.	All public sidewalks shall remain open, free and clear for public access, unless closure is permitted by the Public Works Department.		

CITY OF CUPERTINO STANDARD DETAILS	APPROVED BY: 	DATE: 5/27/2020	6-2
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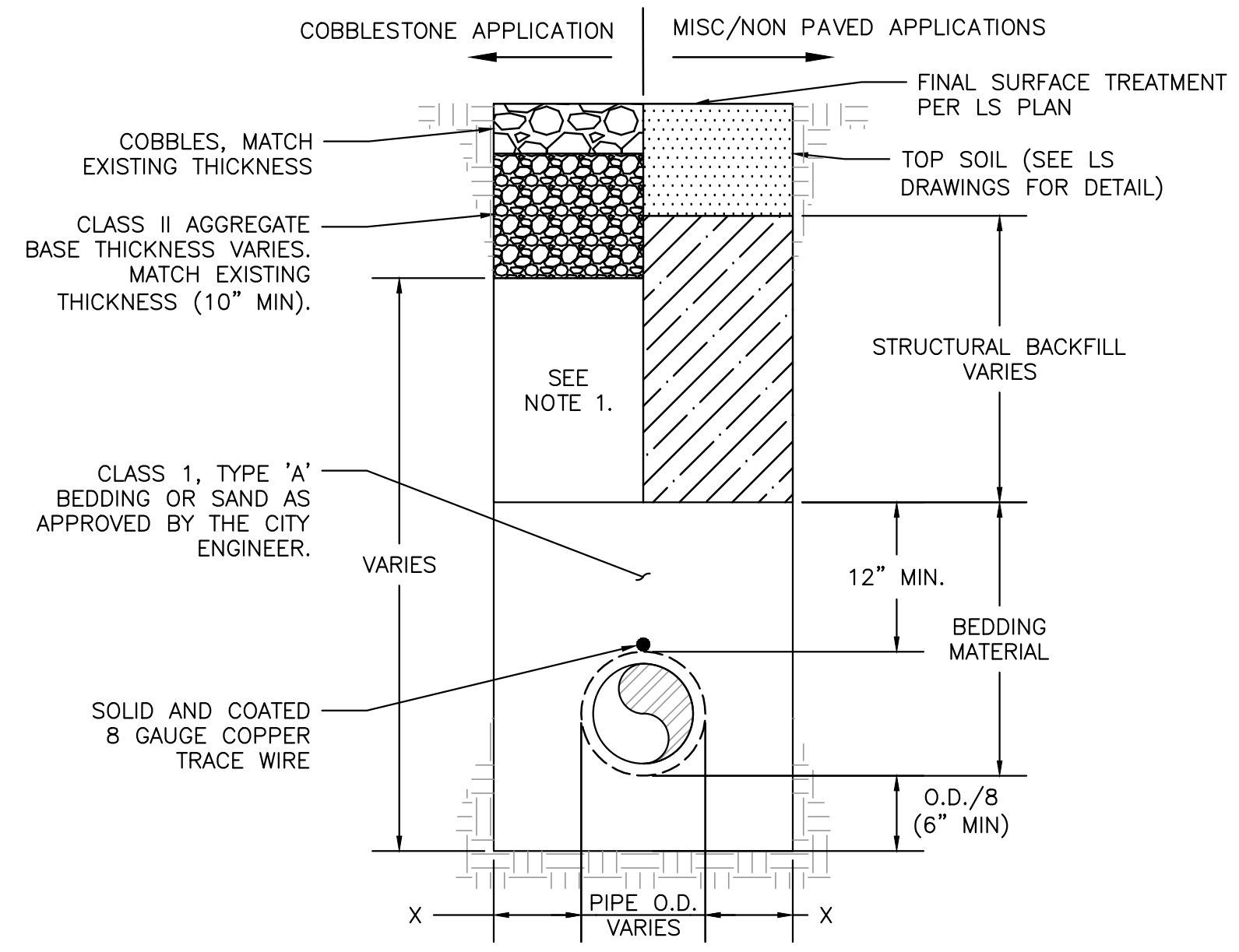


2 TREE PROTECTION DETAIL  
SCALE: NOT TO SCALE



3 TREE PROTECTION DETAIL  
SCALE: NOT TO SCALE

1 TREE PROTECTION REQUIREMENTS  
SCALE: NOT TO SCALE

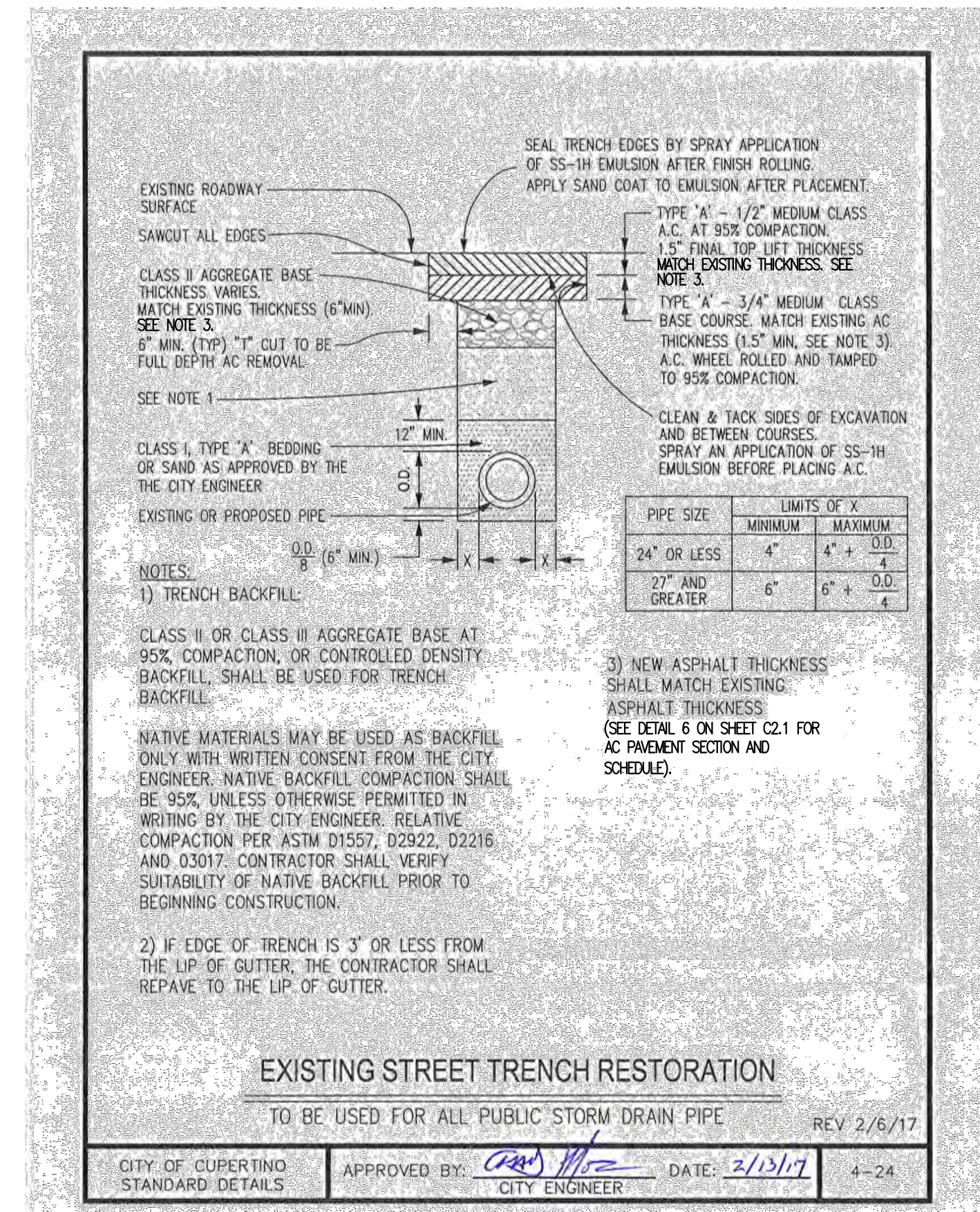


NOTES:

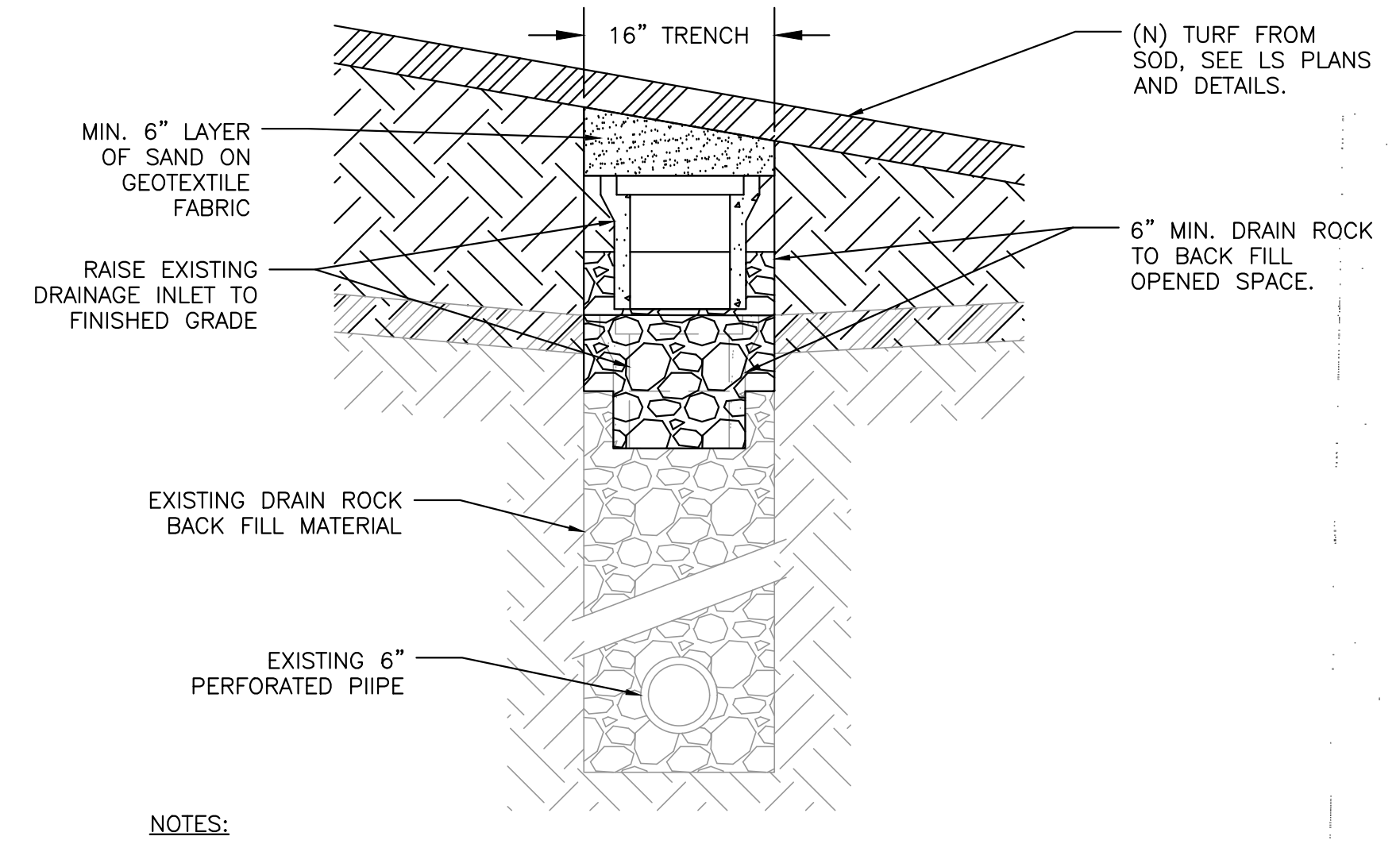
- TRENCH BACKFILL:  
CLASS II OR CLASS III AGGREGATE BASE AT 95% COMPACTION, OR CONTROLLED DENSITY BACKFILL, SHALL BE USED FOR TRENCH BACKFILL.  
NATIVE MATERIALS MAY BE USED AS BACKFILL ONLY WITH WRITTEN CONSENT FROM THE CITY ENGINEER. NATIVE BACKFILL COMPACTION SHALL BE 95%, UNLESS OTHERWISE PERMITTED IN WRITING BY THE CITY ENGINEER. RELATIVE COMPACTION PER ASTM D1557, D2922, D2216, AND D3017. CONTRACTOR SHALL VERIFY SUITABILITY OF NATIVE BACKFILL PRIOR TO BEGINNING CONSTRUCTION.
- NEW COBBLE THICKNESS SHALL MATCH EXISTING COBBLE THICKNESS (4" MINIMUM THICKNESS REQUIRED).

PIPE SIZE	LIMITS OF X	
	MINIMUM	MAXIMUM
24" OR LESS	0'-4"	4' + O.D./4

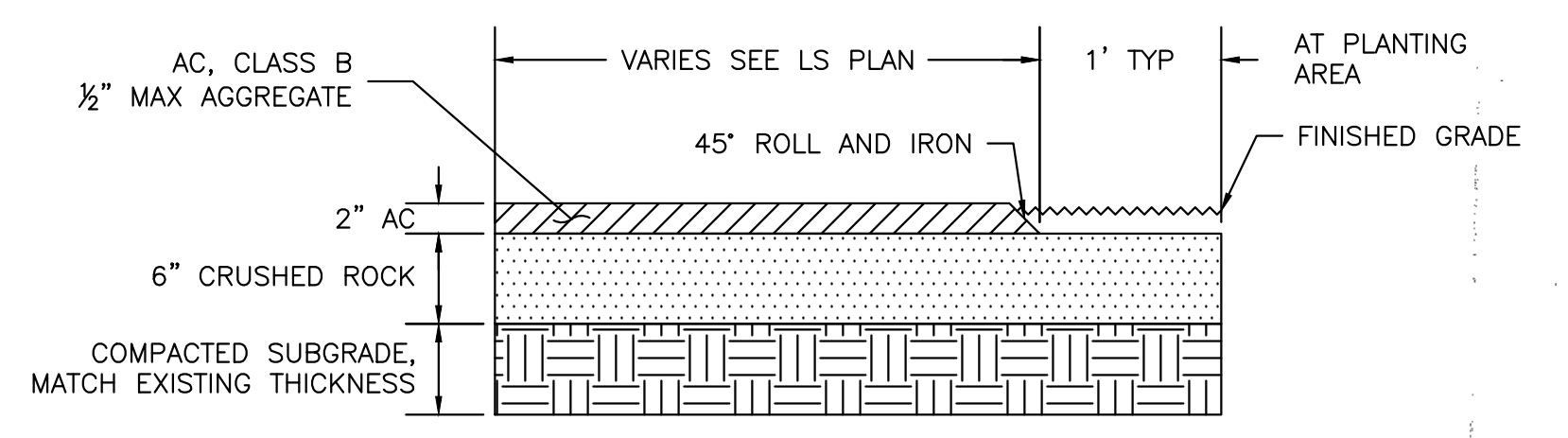
4 UTILITY TRENCH (MODIFIED PER CITY OF CUPERTINO STANDARDS)  
SCALE: NOT TO SCALE



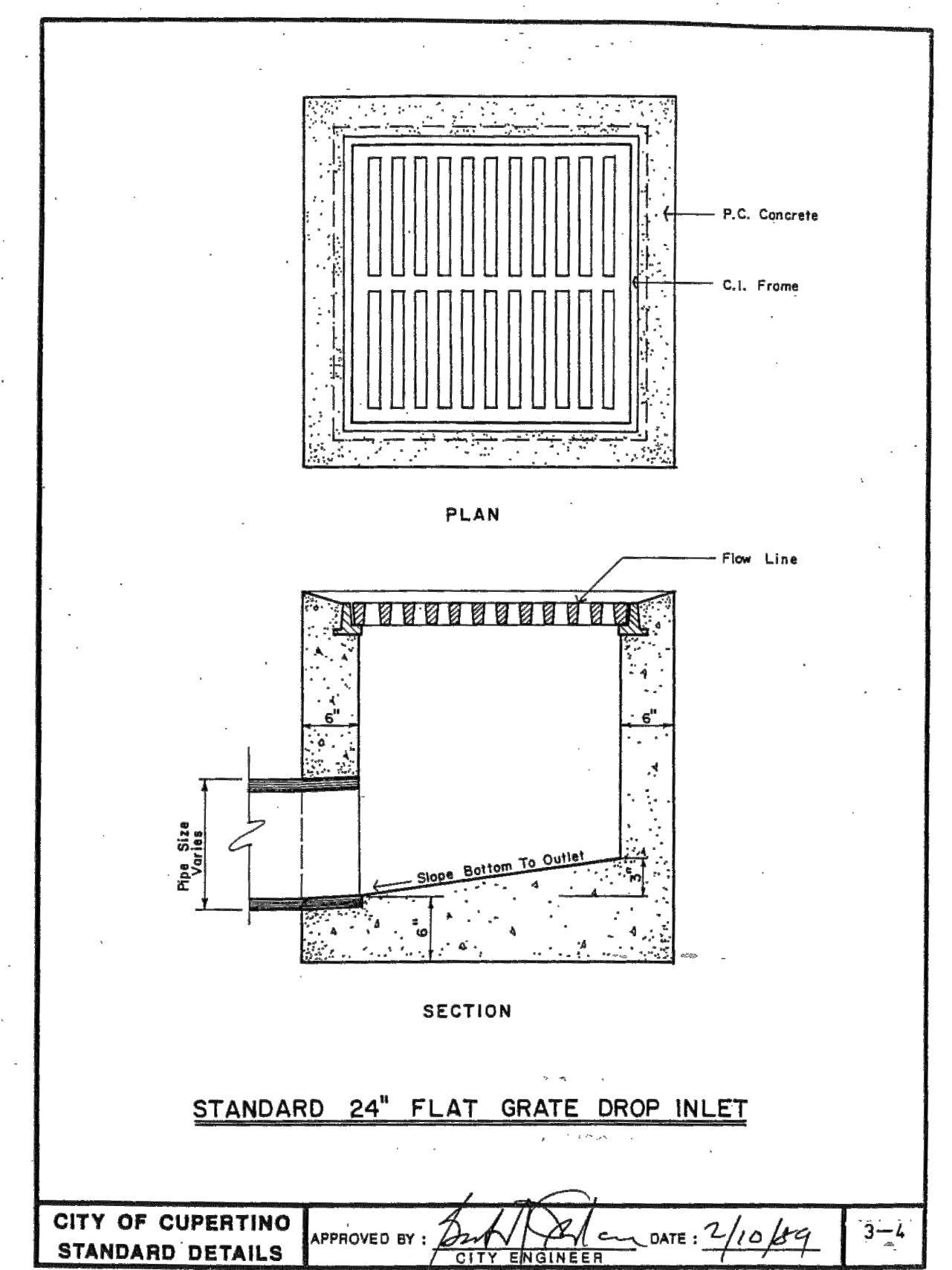
5 EXISTING STREET TRENCH RESTORATION (MODIFIED PER CITY OF CUPERTINO STANDARDS)  
SCALE: NOT TO SCALE



6 DROP INLET TO FINISHED GRADE  
SCALE: NOT TO SCALE



7 AC PAVEMENT SECTION  
SCALE: NOT TO SCALE



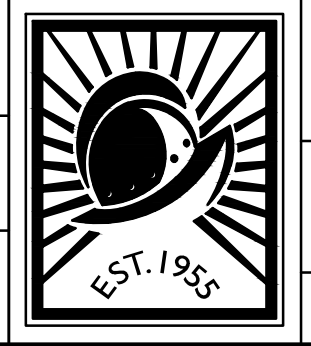
8 STANDARD 24" FLAT GRATE DROP INLET  
SCALE: NOT TO SCALE

**FREYER & LAURETA, INC.**  
CIVIL ENGINEERS • SURVEYORS • CONSTRUCTION MANAGERS  
150 Executive Park Blvd  
San Francisco, CA 94134  
(415) 534-7070 • www.freyerlaureta.com

Date:	04/19/22	CONFORMED SET	KDP	6/03/22
Scale:	NONE	BID SET	IRP	4/19/22
Designed:	IRP/LFH			
Drawn:	IRP/MCM/KDP			
Checked:	LFH			
Proj. Engr:	RJL			
File:	328001			

IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**DETAILS**  
CUPERTINO CALIFORNIA

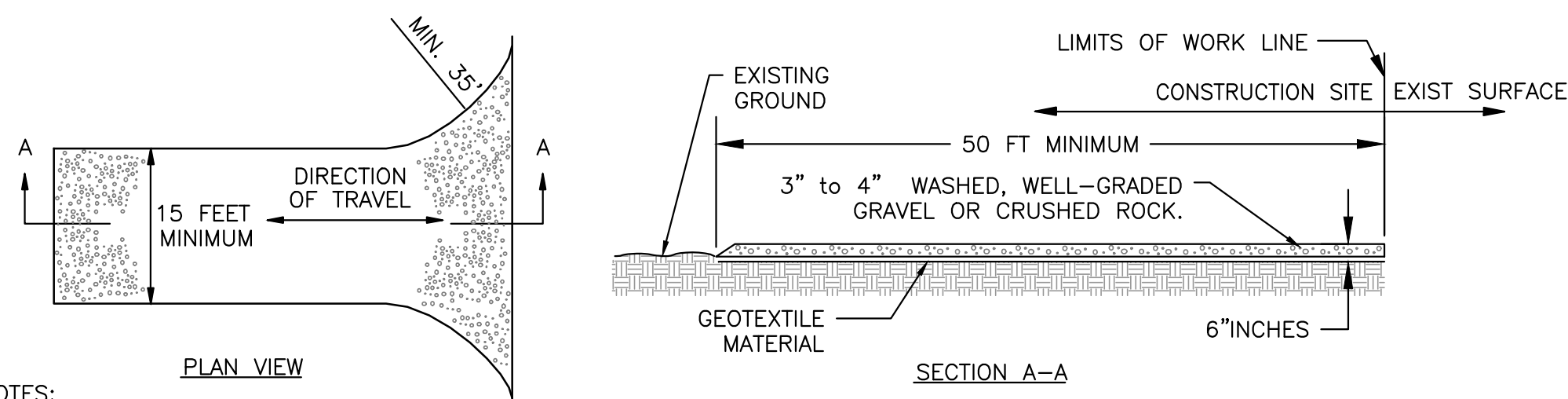
FOR CITY OF CUPERTINO USE  
PROJECT # 2022-03  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



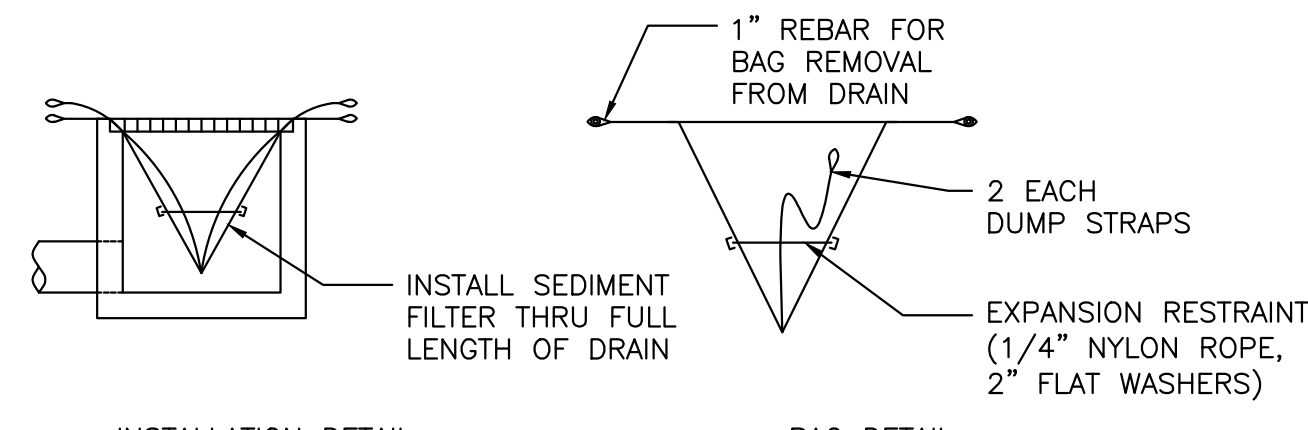
**CITY OF CUPERTINO**  
**SHEET C2.1**  
SHEET 2 OF 22

Z:\Projects\328 City of Cupertino\001 Memorial Park Pond Removal\AAA Latest\Improvement Plans\C2.1 - Details.dwg

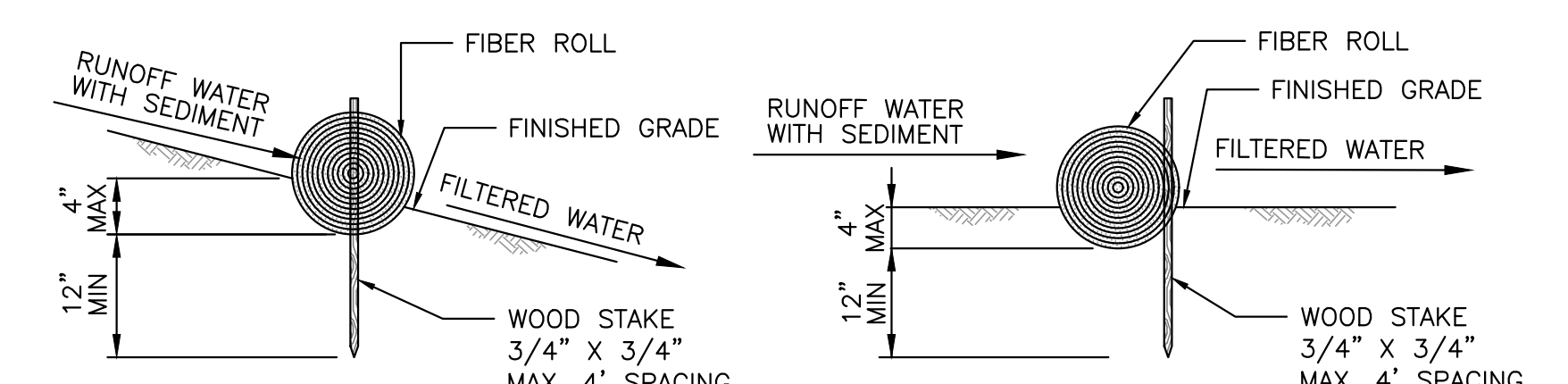




- NOTES:**
- STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED
  - OF 3" TO 4" (76 MM TO 102 MM) WASHED, WELL-GRADED GRAVEL OR CRUSHED ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6 INCHES (150 MM).
  - LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET (15 METERS). WIDTH SHALL BE A MIN. OF 15 FT (4.5 METERS) OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII TO COVER ENTIRE ENTRANCE. ALL VEHICLES LEAVING SITE SHALL REMAIN COMPLETELY ON "STABILIZED ENTRANCE" PRIOR ENTERING PAVED RIGHT OF WAY.
  - THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1. PERIODIC ROLLING COMPACTION OF THE ENTRANCE SHALL BE PERFORMED TO MAINTAIN CONSOLIDATION OF THE ROCK AND ENTRANCE THICKNESS.
  - ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.
  - LOCATIONS FOR ALTERNATE/ADDITIONAL CONSTRUCTION ENTRANCES SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL BE COVERED UNDER THE SWPPP. EXACT LOCATION OF CONSTRUCTION ENTRANCE SHALL BE DETERMINED IN THE FIELD BY THE CITY'S REPRESENTATIVE.



- INSTALLATION DETAIL**
- BAG DETAIL**
- NOTES:**
- SEDIMENT FILTERS SHALL BE INSPECTED REGULARLY THROUGHOUT THE COURSE OF CONSTRUCTION TO INSURE PROPER PLACEMENT AND CONDITION OF FILTER.
  - DAMAGED OR PUNCTURED SEDIMENT FILTERS SHALL BE REPLACED IMMEDIATELY AND ALL CAPTURED SEDIMENT/DEBRIS SHALL BE PROPERLY DISPOSED OF.
  - TYPE OF SEDIMENT BAG TO BE DETERMINED IN THE FIELD BY THE CITY'S REPRESENTATIVE.
  - EXACT LOCATION OF INLET CAPTURE BAG INSTALLATION FOR EACH SITE SHALL BE DETERMINED IN THE FIELD BY THE CITY'S REPRESENTATIVE.

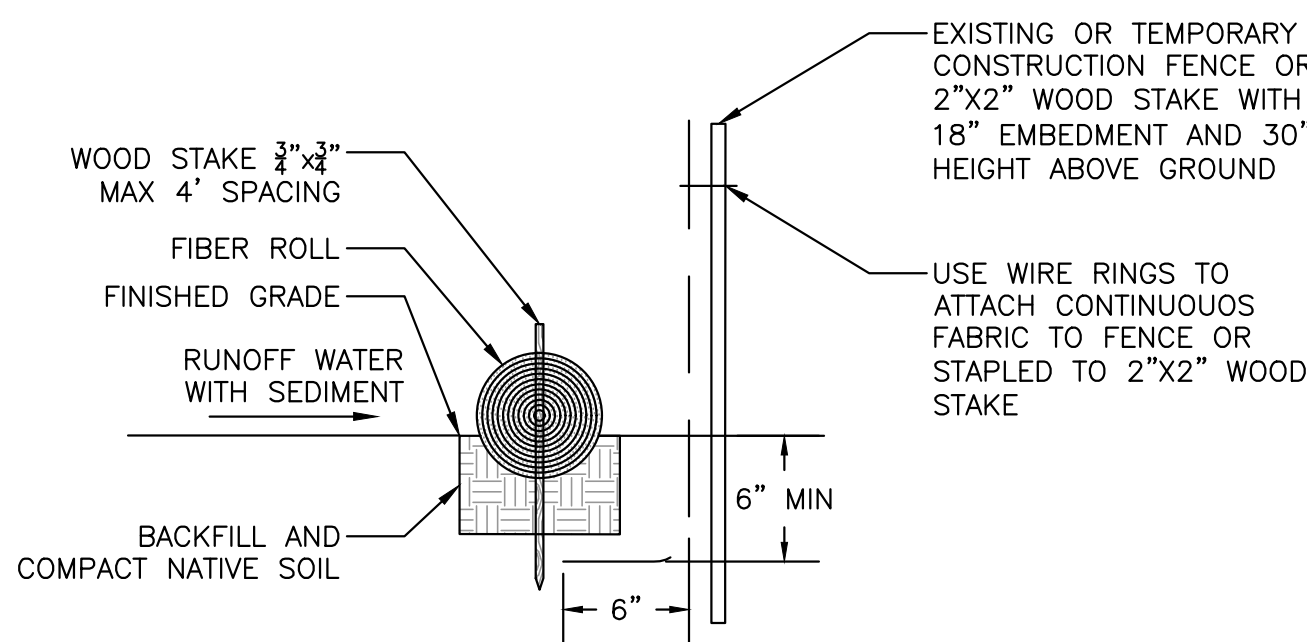


- ENTRENCHMENT DETAIL IN SLOPE AREA**
- ENTRENCHMENT DETAIL IN FLAT AREA**
- NOTES:**
- FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 4" DEEP.
  - ADJACENT ROLLS SHALL TIGHTLY ABUT AND STAKES PLACED AT THE ENDS IN ORDER TO PREVENT "GAPS" FROM OPENING BETWEEN THE ROLLS.
  - RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL. REMOVE OR BYPASS ALL OBSTRUCTIONS PRIOR TO PLACING FIBER ROLL.
  - EXACT LOCATION OF FIBER ROLL INSTALLATION FOR EACH SITE SHALL BE DETERMINED IN THE FIELD BY THE CITY'S REPRESENTATIVE.

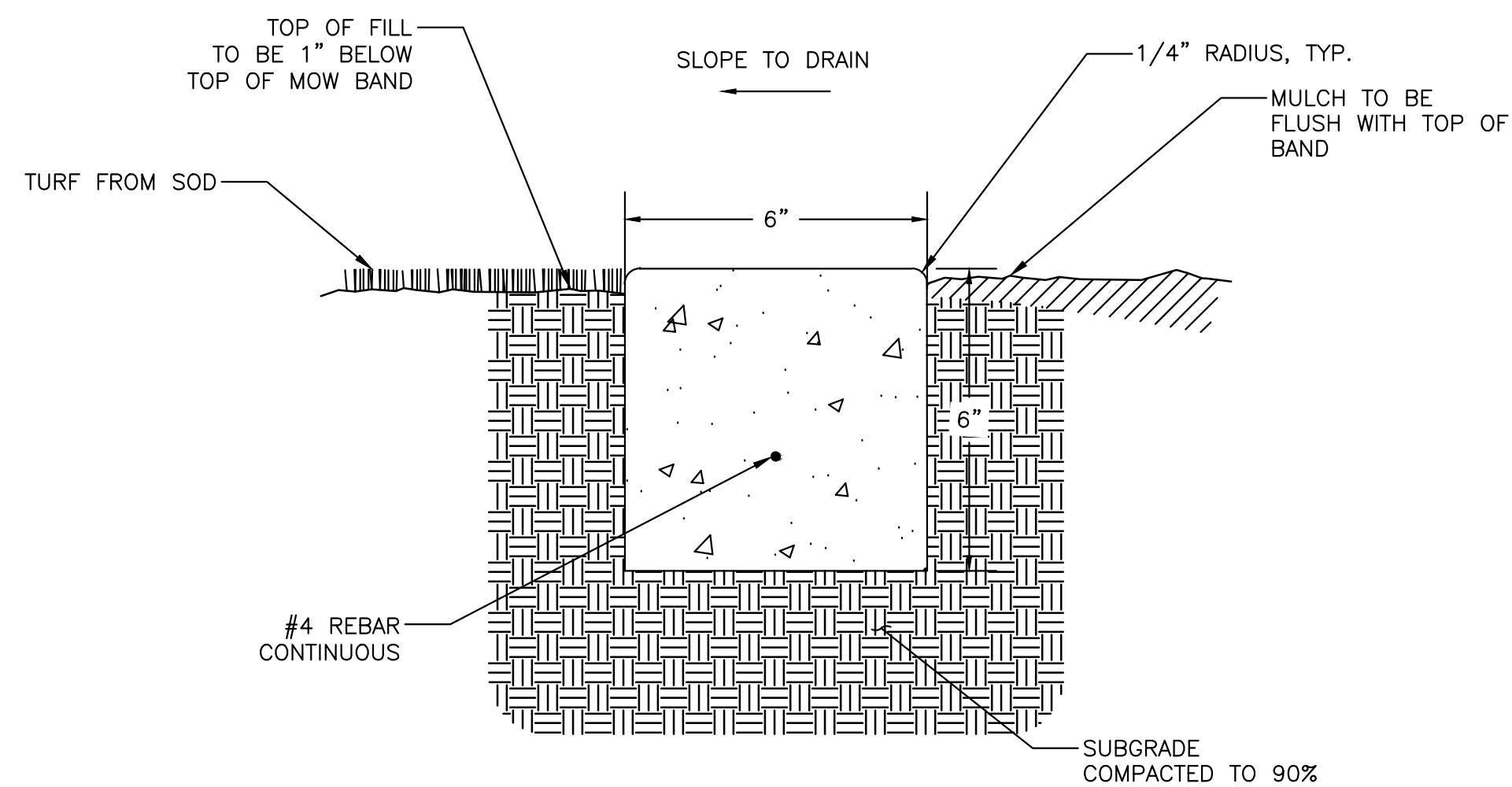
1 STABILIZED CONSTRUCTION ENTRANCE DETAIL  
SCALE: NOT TO SCALE

2 INLET CAPTURE BAG DETAIL  
SCALE: NOT TO SCALE

3 FIBER ROLL DETAIL  
SCALE: NOT TO SCALE

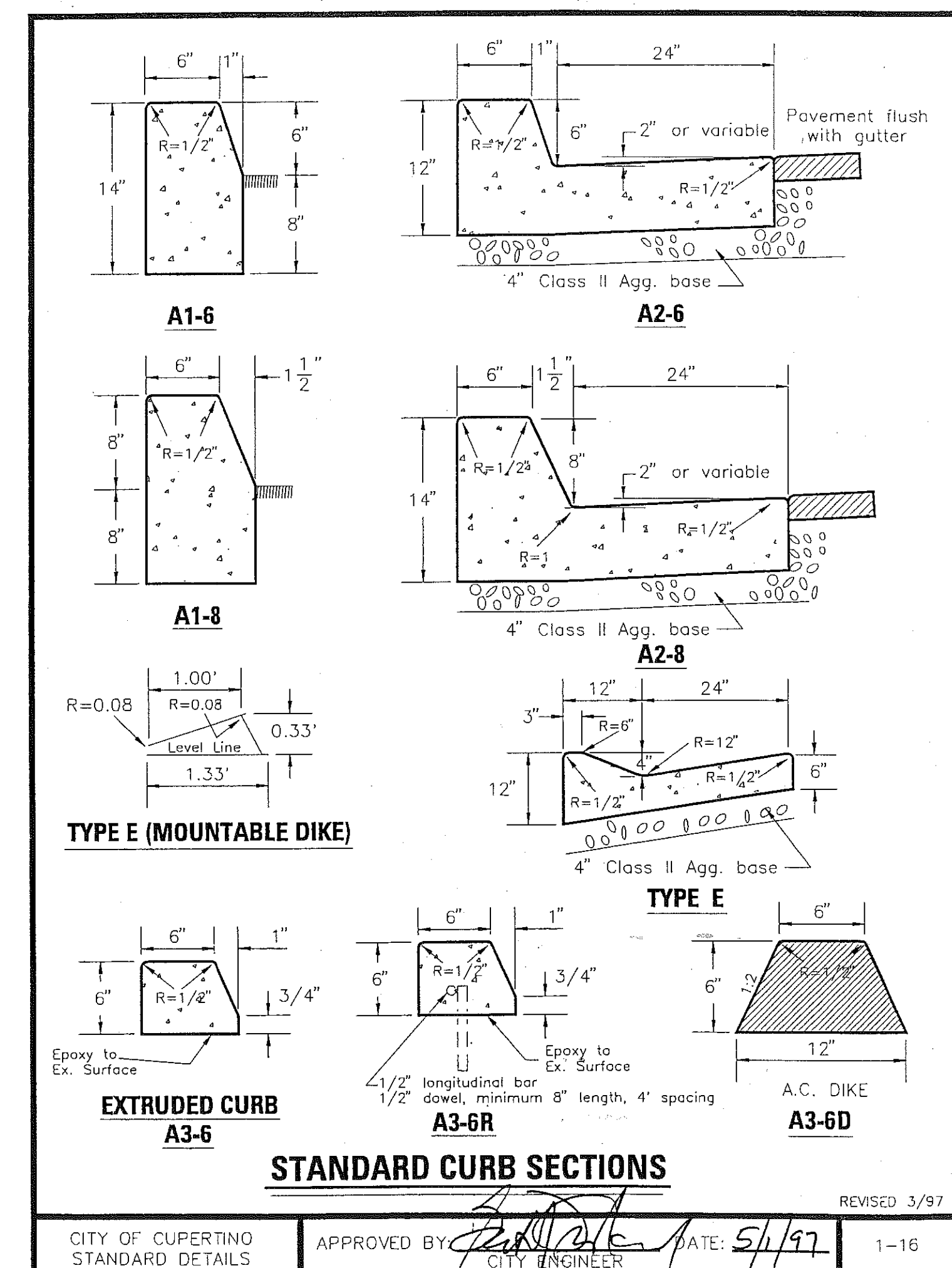


- NOTES:**
- SILT FENCE SHALL HAVE A MINIMUM 6" EMBEDDED FILTER FABRIC MATERIAL.



5 MOW BAND DETAIL  
SCALE: NOT TO SCALE

4 SILT FENCE AND FIBER ROLL DETAIL  
SCALE: NOT TO SCALE



6 CURB AND GUTTER DETAIL (A2-6)  
SCALE: NOT TO SCALE

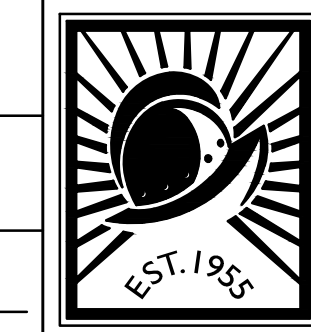
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT HE SHALL APPLY NECESSARY CONTROLS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

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Date:	04/19/22	CONFORMED SET	KDP	6/03/22		
Scale:	NONE	BID SET	IRP	4/19/22		
Designed:	IRP/LFH					
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Checked:	LFH					
Proj. Engr:	RJL					
File:	328001					
		REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE

IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**DETAILS**

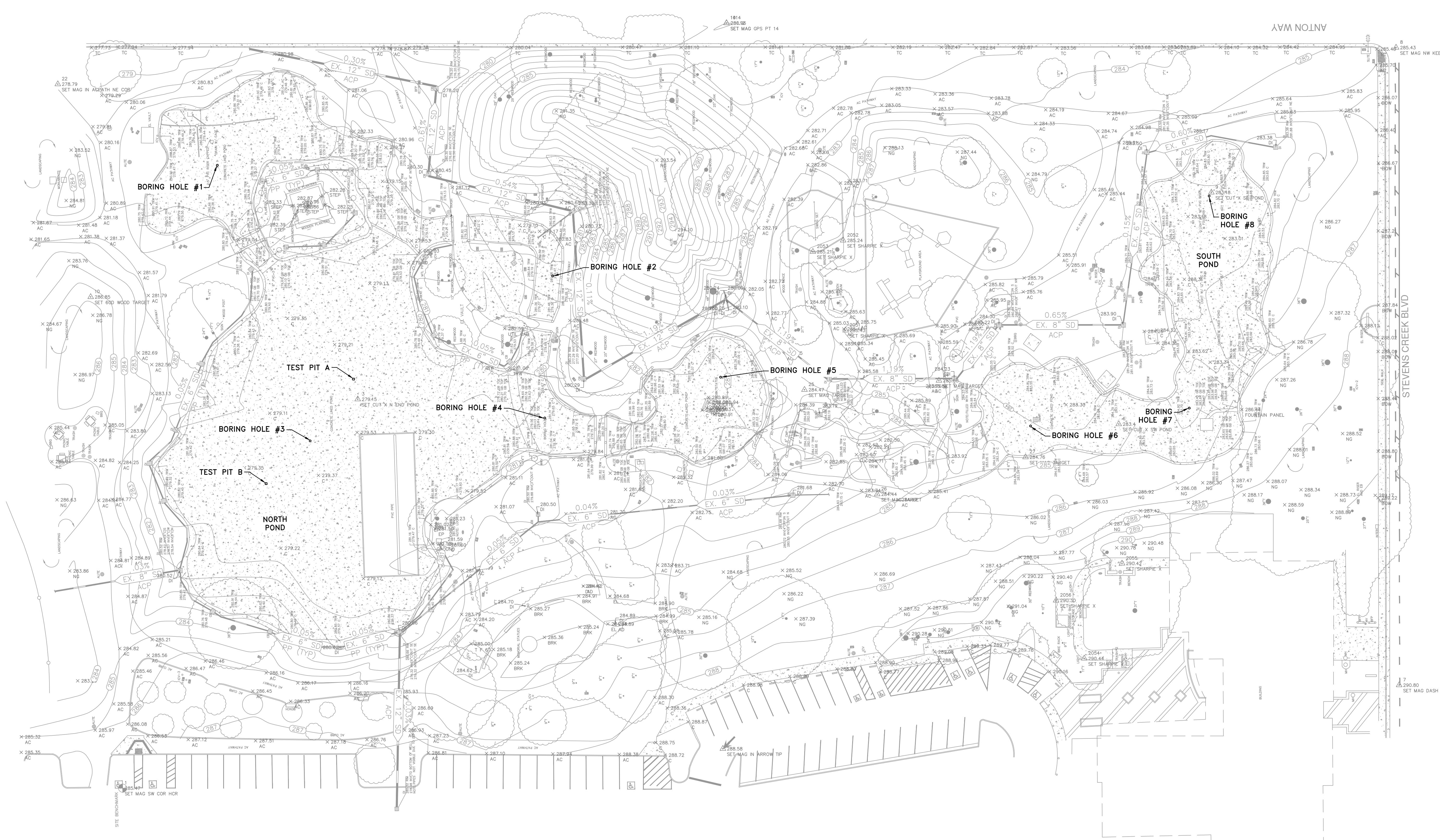
FOR CITY OF CUPERTINO USE  
PROJECT # 2022-03  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



**CITY OF CUPERTINO**  
**SHEET C2.2**  
SHEET 3 OF 22

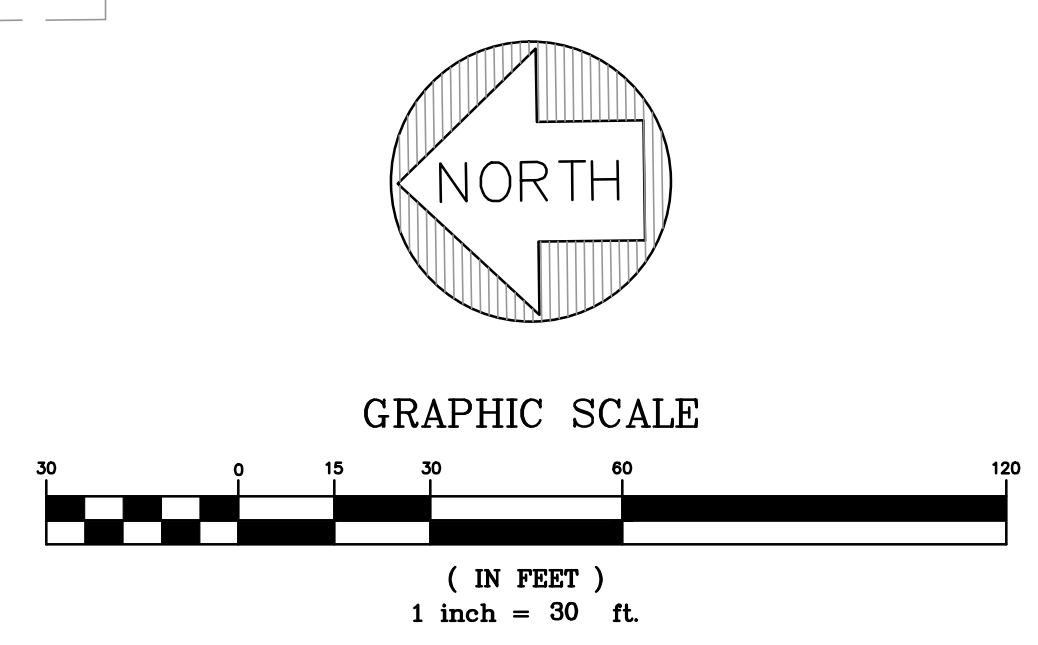


CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND THAT HIS WORK SHALL BE CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO, CALIFORNIA, AND THE STATE OF CALIFORNIA, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE STATE OF CALIFORNIA, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE STATE OF CALIFORNIA, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE STATE OF CALIFORNIA.



- NOTES:**
1. IN SOME LOCATIONS WHERE ACP IS NOTED AS THE MATERIAL, PIPES CAN EITHER BE ACP OR CONCRETE PER MEMORIAL PARK PHASE II AS-BUILT DRAWINGS DATED OCTOBER 17, 1974.

MEMORIAL PARK CORING	CONCRETE CORING LOCATION								A	B
	#1	#2	#3	#4	#5	#6	#7	#8		
UPPER CONCRETE THICKNESS - 4" DIAMETER CORE (INCHES)	4.00	6.50	3.50	5.00	4.25	5.25	5.50	4.75	3.75	4.50
DEPTH FROM UPPER CONCRETE TO TOP OF LOWER CONCRETE (INCHES)				16.80		21.60			17.40	11.00
LOWER CONCRETE THICKNESS - 3" DIAMETER CORE (INCHES)				2.00		2.63			3.25	2.50



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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**EXISTING CONDITIONS**  
 CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
 PROJECT # 2022-03  
 PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
 VOICE MAIL: (408) 777-3104  
 PROJECT ENGINEER



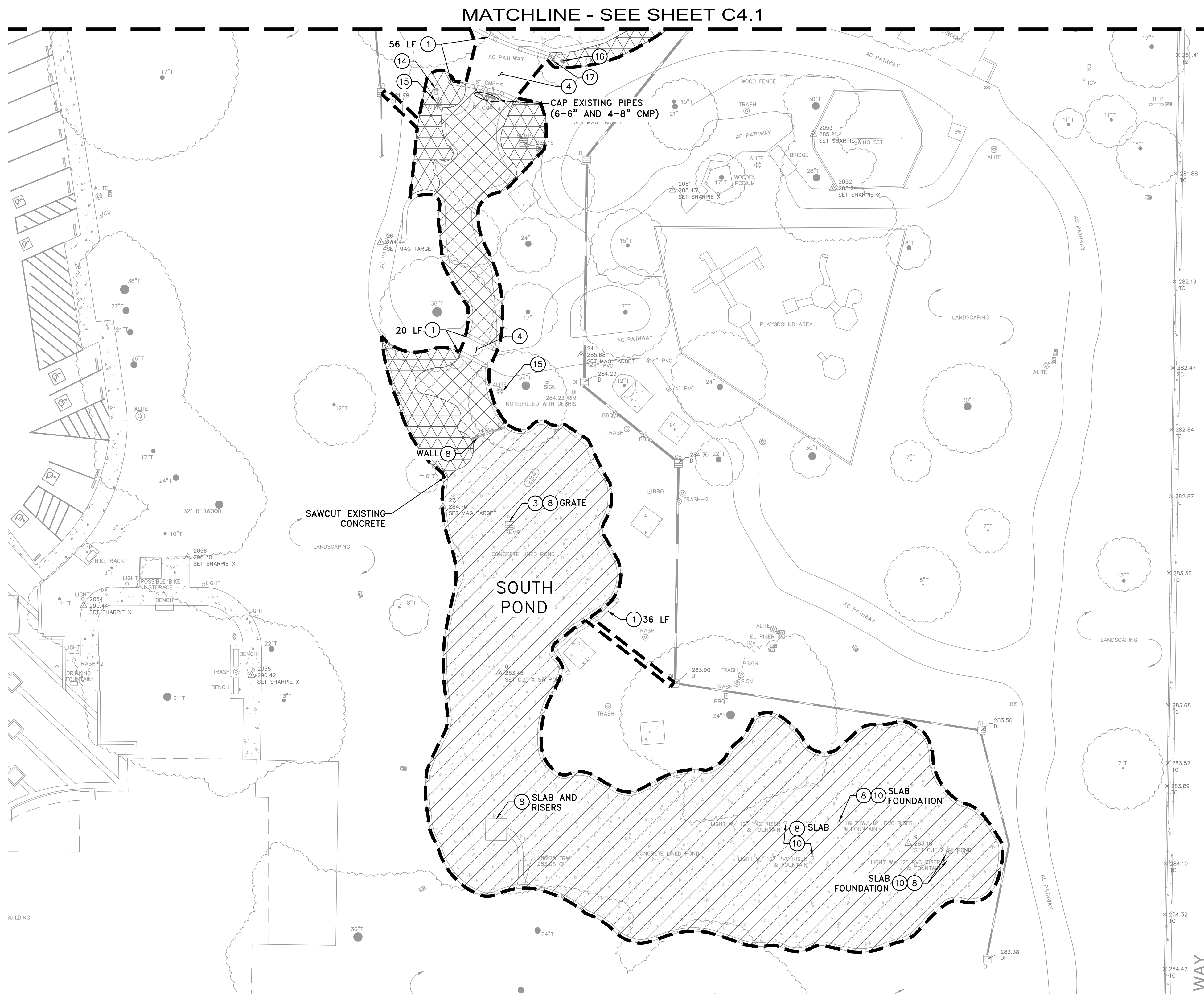
**CITY OF CUPERTINO**  
**SHEET C3.1**  
 SHEET 4 OF 22







CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY TO ALL PERSONS AND PROPERTY THAT THIS AGREEMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



**LEGEND**

- LIMIT OF WORK
- CONCRETE TO BE REMOVED. SEE NOTE 4.
- CONCRETE AND COBBLE TO BE REMOVED.
- CLEAR AND GRUB. SEE NOTE 3.

**DEMOLITION KEY NOTES**

①

**GENERAL NOTES**

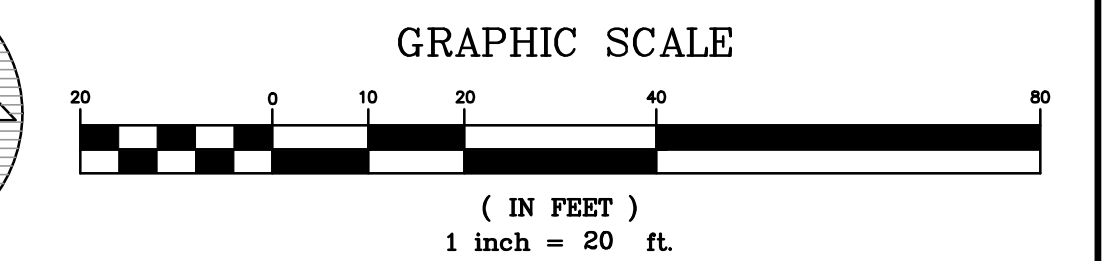
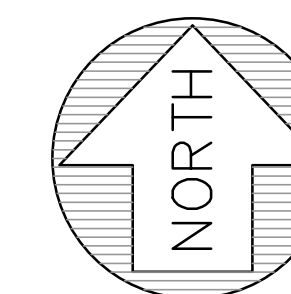
1. ALL EXISTING UTILITY INFORMATION HAS BEEN COMPILED FROM TOPOGRAPHIC SURVEY AND RECORD DRAWINGS. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF ALL SITE UTILITIES PRIOR TO DEMOLITION ACTIVITIES.
2. CONTRACTOR SHALL PROTECT THE EXISTING ABOVE & UNDERGROUND UTILITIES AND IMPROVEMENTS AND PERMANENT ABOVE & UNDERGROUND IMPROVEMENTS AND UTILITIES WITHIN AND OUTSIDE THE LIMITS OF WORK DURING DEMOLITION AND GRADING ACTIVITIES.
3. EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED. EXISTING SHRUBS AND VEGETATION AROUND PONDS TO BE REMOVED WITHIN LIMIT OF WORK. PROTECT ALL VEGETATION OUTSIDE LIMIT OF WORK.
4. BOULDERS TO BE REMOVED FROM CONCRETE POND AREAS. CONTACT THE SERVICE CENTER AT (408) 777-3269 FOR COORDINATION OF BOULDER SALVAGING.
5. EXISTING CATCH BASINS AND DROP INLETS TO REMAIN UNLESS OTHERWISE NOTED.
6. ALL ASSOCIATED UTILITIES AND STRUCTURES SHALL BE REMOVED FROM WITHIN POND AREAS THAT WILL BE FILLED.
7. NOT ALL CATCH BASINS ARE VISIBLE FROM SURFACE. PROTECT IF UNEARTHED.
8. CONTACT CUPERTINO SERVICE CENTER FOR STORAGE (408) 777-3270.
9. CONTRACTOR SHALL CONTACT JONATHAN FERRANTE, CITY ARBORIST, WHEN ESTABLISHING TREE PROTECTION AND PERFORMING WORK WITHIN THE DRIP LINE OF ANY TREES, TO ENSURE ROOTS AND TREES ARE PROTECTED.
10. SEE SHEET C3.1 FOR EXISTING CONCRETE LINER INFORMATION.
11. SEE SHEETS C5.1 AND C5.2 FOR ASPHALT PAVEMENT REPLACEMENT AREAS.

**DEMOLITION KEY NOTES**

- ① REMOVE EXISTING RAIL. PATCH AC PAVEMENT OR SURFACE AFTER RAIL REMOVAL.
- ② EXISTING RAIL TO REMAIN.
- ③ REMOVE EXISTING SUMP PUMP.
- ④ REMOVE EXISTING BRIDGE.
- ⑤ EXISTING MONUMENTS TO REMAIN. PROTECT IN PLACE.
- ⑥ EXISTING AMPHITHEATER STAGE TO REMAIN.
- ⑦ EXISTING GAZEBO TO REMAIN.
- ⑧ REMOVE EXISTING STRUCTURE.
- ⑨ REMOVE AND SALVAGE EXISTING STRUCTURE. SEE GENERAL NOTE 8.
- ⑩ REMOVE EXISTING PIPE.
- ⑪ REMOVE GRAVEL FILL.
- ⑫ REMOVE EXISTING HIGH VOLTAGE FACILITIES AND VAULT.
- ⑬ PROTECT EXISTING IRRIGATION FACILITY UNLESS OTHERWISE NOTED ON IRRIGATION PLANS.
- ⑭ PROTECT EXISTING VAULT.
- ⑮ PROTECT EXISTING LIGHT.
- ⑯ EXISTING TREE TO REMAIN, PROTECT IN PLACE. SEE GENERAL NOTE 9.
- ⑰ EXISTING WATER AND IRRIGATION FACILITIES TO REMAIN. PROTECT IN PLACE.
- ⑱ EXISTING SEWER FACILITIES TO REMAIN. PROTECT IN PLACE.
- ⑲ EXISTING SIGNS TO REMAIN. PROTECT IN PLACE.
- ⑳ REMOVE EXISTING IRRIGATION CONTROLLERS. SEE IRRIGATION PLAN FOR MORE INFORMATION.
- ㉑ RESTORE EXISTING FENCE AND SALVAGE SLATS.
- ㉒ REMOVE EX. CURB AND GUTTER.
- ㉓ PROTECT EXISTING LANDSCAPE. REPLACE SOD, SEE LANDSCAPE PLAN FOR DETAILS.

ANTON WAY

WAY



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**REVISIONS**

DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE

**IMPROVEMENT PLANS FOR  
 MEMORIAL PARK PONDS REPURPOSING PROJECT  
 DEMOLITION PLAN**

CUPERTINO

CALIFORNIA

FOR CITY OF CUPERTINO USE  
 PROJECT # 2022-03

PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
 VOICE MAIL: (408) 777-3104

PROJECT ENGINEER

NAME \_\_\_\_\_ DATE \_\_\_\_\_

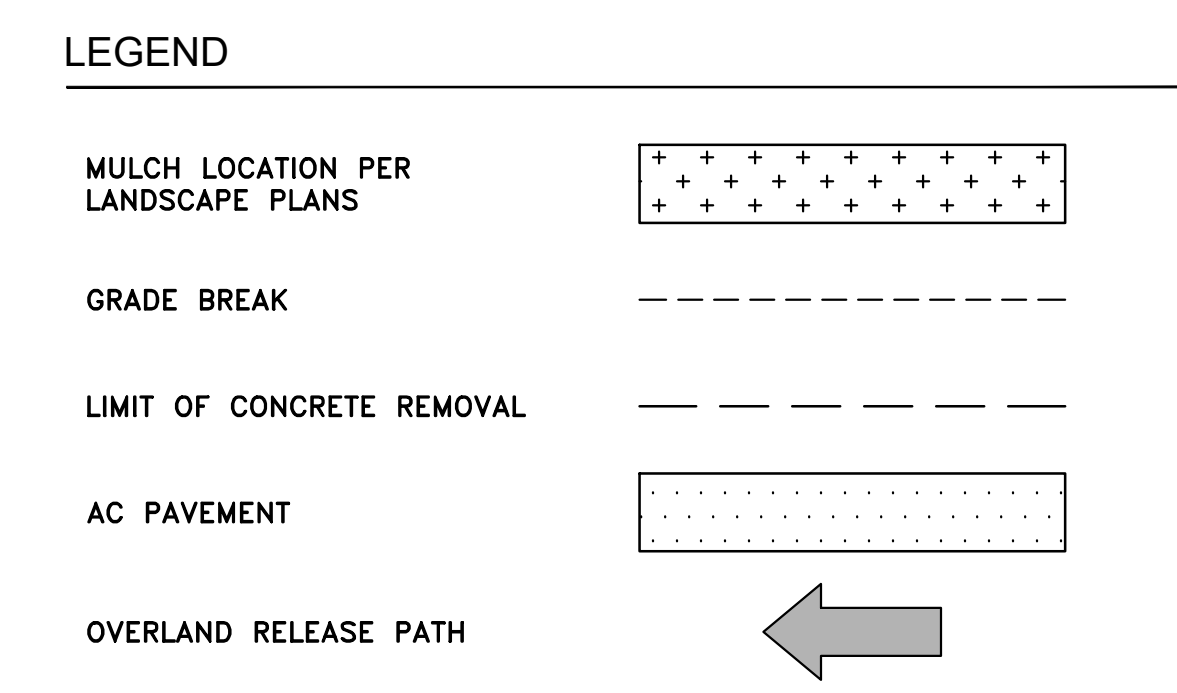


**CITY OF  
 CUPERTINO  
 SHEET C4.2**

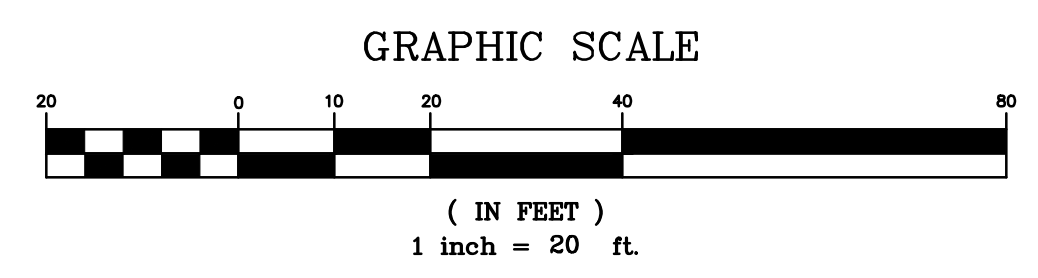
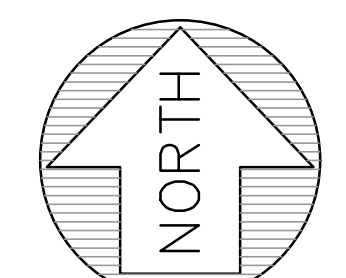
SHEET 6 OF 22



CONTRACTOR AGREES THAT SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS EQUIPMENT SHALL BE OPERATED CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



- NOTES:**
1. FILL POND AREAS WITH SOIL TO DESIGNATED GRADES AND TOP WITH TURF OR OTHER PLANTING (SEE LANDSCAPE PLANS FOR DETAIL).
  2. ANY BOULDERS WITHIN POND AREA SHALL BE REMOVED PRIOR TO GRADING.
  3. CONTACT CUPERTINO SERVICE CENTER FOR STORAGE (408) 777-3270 FOR ANY USE OR SALVAGING OF BOULDERS.
  4. EXISTING DRAINAGE INLETS WITHIN AREA TO BE FILLED, TO BE RAISED TO FINISH GRADE UNLESS OTHERWISE NOTED. SEE C2.1 DETAIL 6.
  5. SEE IRRIGATION PLAN FOR LOCATIONS OF PIPE SLEEVES UNDER PAVEMENT.



MATCHLINE - SEE SHEET C5.2

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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**IMPROVEMENT PLAN**  
 CUPERTINO CALIFORNIA

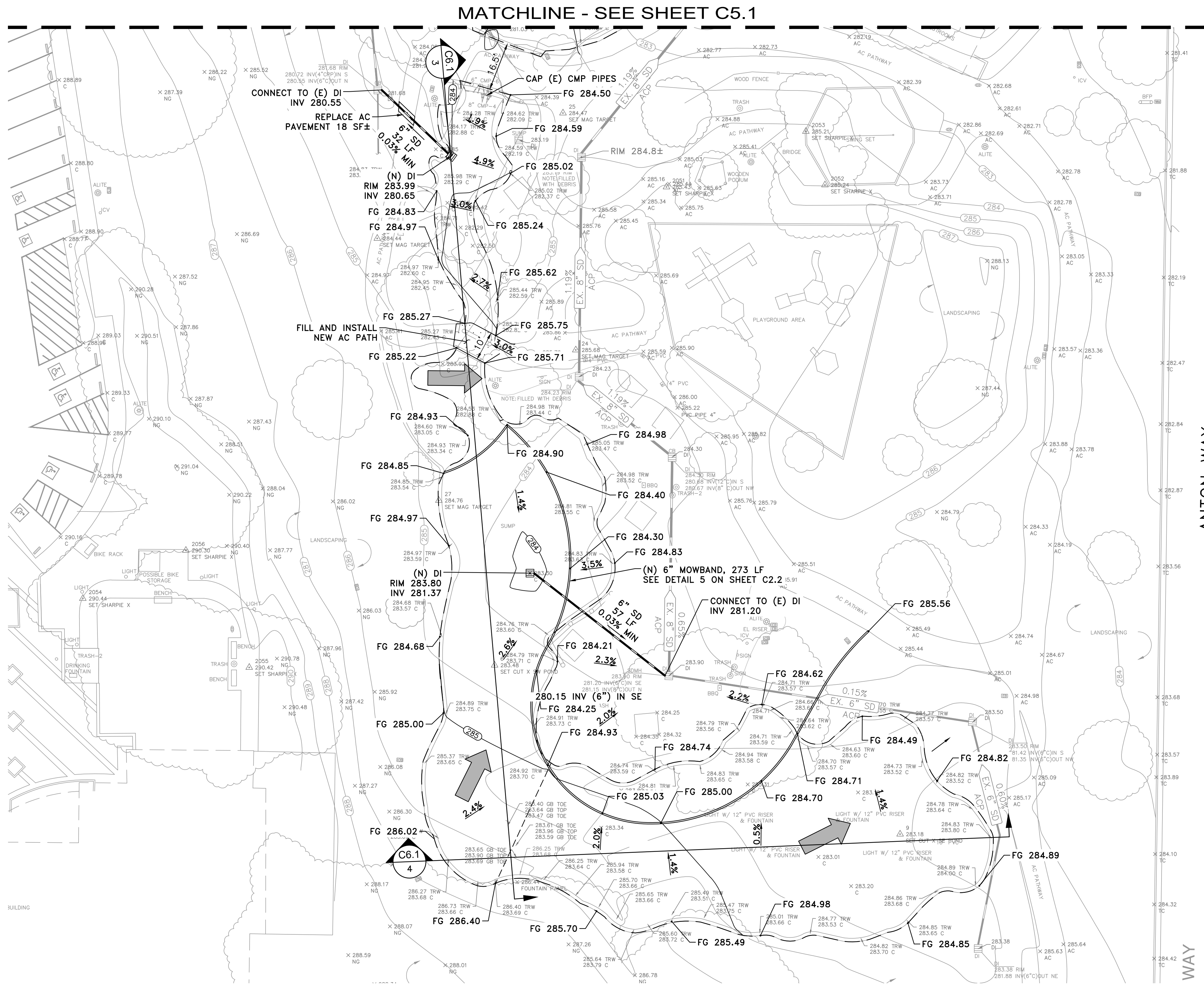
FOR CITY OF CUPERTINO USE  
 PROJECT # 2022-03  
 PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
 PHONE MAIL: (408) 777-3104  
 PROJECT ENGINEER



**CITY OF CUPERTINO**  
**SHEET C5.1**  
 SHEET 7 OF 22



CONTRACTOR AGREES THAT SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS RESPONSIBILITY SHALL BE CONTINUOUS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA.



**LEGEND**

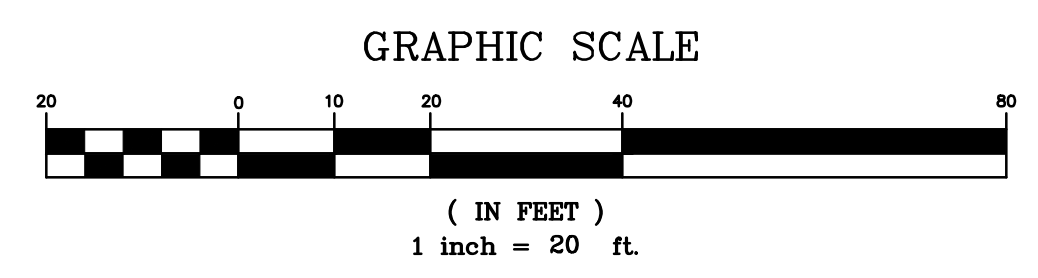
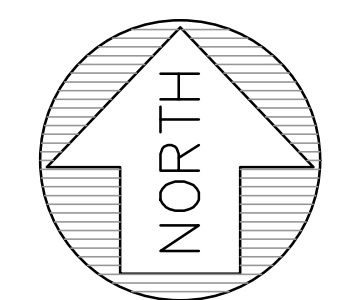
GRADE BREAK

LIMIT OF CONCRETE REMOVAL

AC PAVEMENT

OVERLAND RELEASE PATH

- NOTES:**
1. FILL POND AREAS WITH SOIL TO DESIGNATED GRADES AND TOP WITH TURF OR OTHER PLANTING (SEE LANDSCAPE PLANS FOR DETAIL).
  2. ANY BOULDERS WITHIN POND AREA SHALL BE REMOVED PRIOR TO GRADING.
  3. CONTACT CUPERTINO SERVICE CENTER FOR STORAGE (408) 777-3270 FOR ANY USE OR SALVAGING OF BOULDERS.
  4. EXISTING DRAINAGE INLETS WITHIN AREA TO BE FILLED, TO BE RAISED TO FINISH GRADE UNLESS OTHERWISE NOTED. SEE C2.1 DETAIL 6.
  5. SEE IRRIGATION PLAN FOR LOCATIONS OF PIPE SLEEVES UNDER PAVEMENT.



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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**IMPROVEMENT PLAN**  
CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-03  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



**CITY OF CUPERTINO**  
**SHEET C5.2**  
SHEET 8 OF 22

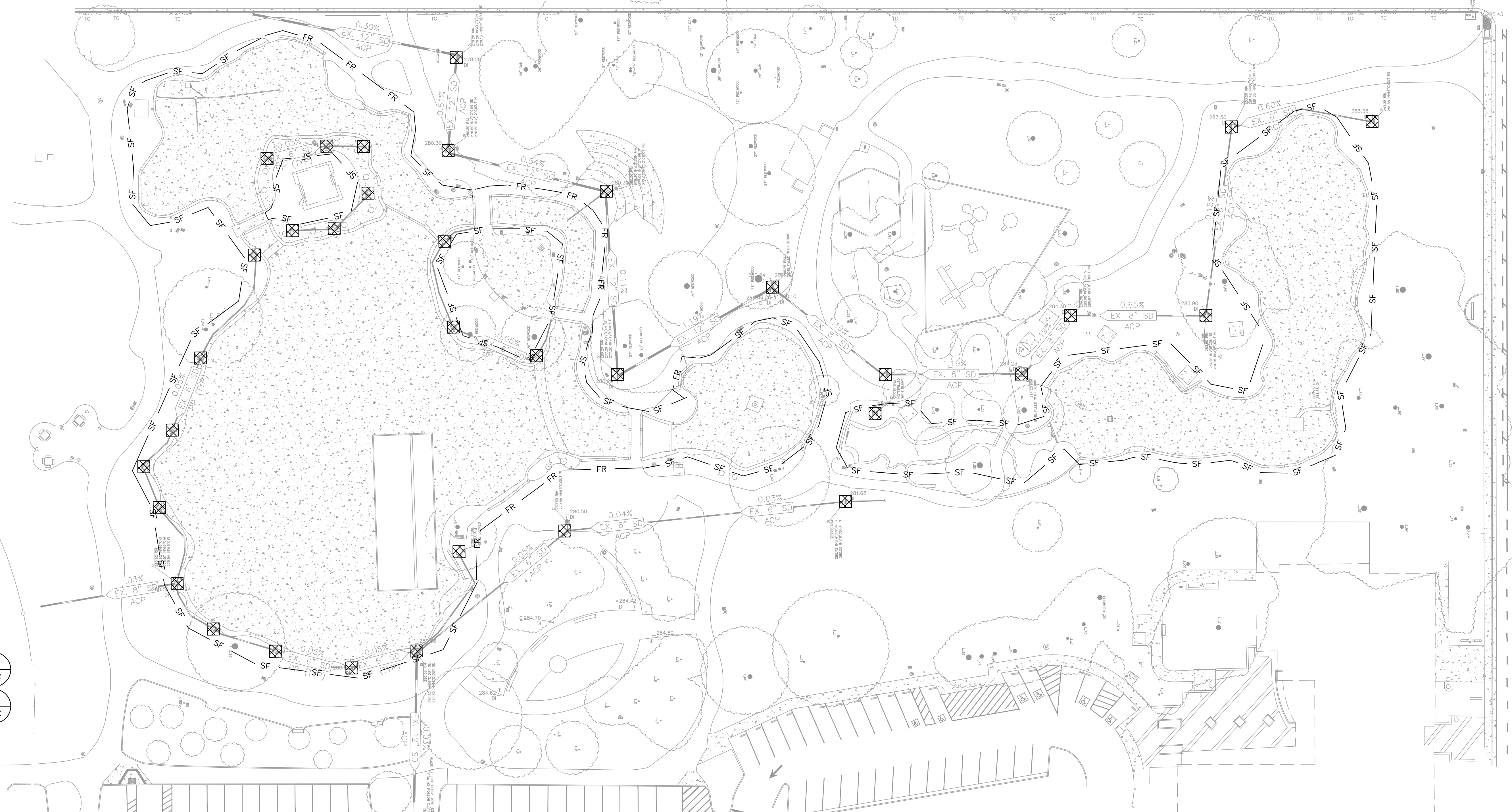






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STEVENS CREEK BLVD

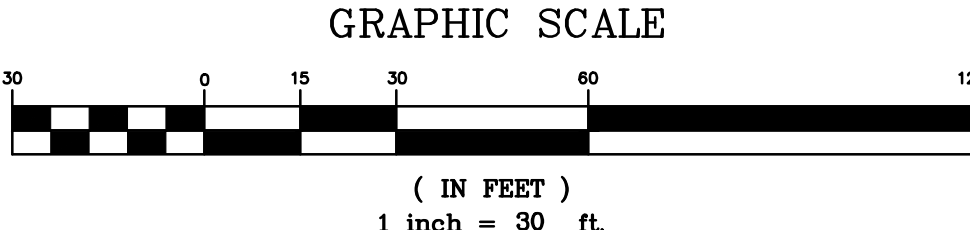
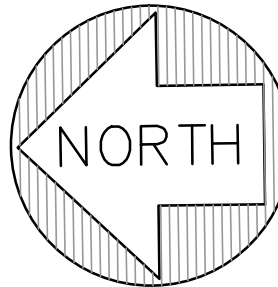


**LEGEND**

- FR — FIBER ROLL 3  
C2.2
- SF — SILT FENCE 4  
C2.2
- INLET CAPTURE BAG 2  
C2.2

**NOTES**

1. ALL GRADING WORK SHALL BE WINTERIZED PRIOR TO OCTOBER 15, BY PLACING APPROPRIATE SILT FENCING, SILT FENCE/STRAW BALE DIKES AND STRAW BALES IN A MANNER TO MINIMIZE EROSION AND COLLECT SEDIMENT AND ALSO BY STRAW AND SEED DISTURBED AREAS.
2. THIS PLAN IS INTENDED FOR EROSION CONTROL ONLY. OTHER INFORMATION SHOWN HEREIN MAY NOT BE THE MOST CURRENT. SEE GRADING PLAN FOR OTHER INFORMATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND FILING ALL PLANS WITH THE RELATED AGENCIES ASSOCIATED WITH THEIR WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PERMITS FOR STORAGE OF HAZARDOUS MATERIALS, BUSINESS PLANS, PERMITS FOR STORAGE OF FLAMMABLE LIQUIDS, GRADING PERMITS, OR OTHER PLANS OR PERMITS REQUIRED BY THE PERMITTING AGENCY. ALL PROPERTY OWNERS, CONTRACTORS, OR SUBCONTRACTORS WORKING ON-SITE ARE INDIVIDUALLY RESPONSIBLE FOR OBTAINING AND SUBMITTING ANY BUSINESS PLANS OR PERMITS REQUIRED BY CITY, STATE OR FEDERAL AGENCIES.
4. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED DURING THE RAINY SEASON (OCT. 1 TO MAY 1) UNTIL DISTURBED AREAS ARE STABILIZED.
5. ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY OR DAILY DURING THE RAINY SEASON.
6. IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE CITY IMMEDIATELY.
7. CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THE EROSION CONTROL PLAN. SEDIMENT ON THE SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL OR BROOM AND DISPOSED OF APPROPRIATELY.
8. ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS.
9. CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES (BMP'S) IN ACCORDANCE WITH THE ASSOCIATION OF BAY AREA GOVERNMENTS (ABAG) LATEST RECOMMENDATIONS.
10. ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS.
11. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS, THE SITE SHALL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE IMPROVEMENTS ARE ACCEPTED BY THE UNIVERSITY'S REPRESENTATIVE AND ALL SLOPES ARE STABILIZED.
12. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE CITY OR OTHER PERMITTING AGENCY.
13. REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN IS FORECAST OR APPARENT, STOCKPILED SOILS AND OTHER MATERIALS SHALL BE COVERED WITH PLASTIC OR A TARP, AT THE REQUEST OF THE UNIVERSITY'S REPRESENTATIVE OR OTHER PERMITTING AGENCY.
14. STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER THE CATCH BASINS, STORM DRAINAGE, OR ENTER SITE RUNOFF.
15. USE FILTRATION OR OTHER APPROVED MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
16. NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED TO ALLOW DELETERIOUS MATERIALS FROM ENTERING THE CATCH BASINS, STORM DRAINAGE, OR ENTER SITE RUNOFF.
17. THE LOCATION OF THE STORM INLET SEDIMENTATION TRAPS ARE AS SHOWN ON THIS PLAN. THE SEDIMENTATION TRAPS SHOULD BE CONSTRUCTED BEFORE GRADING OPERATIONS.
18. INSTALL INLET CAPTURE BAG AT ALL EXISTING DOWNSTREAM STORM DRAIN INLETS THAT CAPTURE RUNOFF FROM THE PROJECT SITE.
19. STORM DRAIN STRUCTURES MAY BE BURIED, IF SUBDRAIN OR CATCH BASIN IS UNCOVERED, PROVIDE BMP PROTECTIVE MEASURE.
20. FILTER SOCKS MAY BE USED AS AN ALTERNATIVE TO FIBER ROLLS IF DEEMED NECESSARY.



GRAPHIC SCALE  
( IN FEET )  
1 inch = 30 ft.

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REVISIONS				DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE

IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**WATER POLLUTION CONTROL PLAN**

CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-03  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



**CITY OF CUPERTINO**  
**SHEET C7.1**  
SHEET 10 OF 22



In the Santa Clara Valley, storm drains flow directly to our local creeks, and on to San Francisco Bay, with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Proper management of construction sites reduces pollution significantly. This sheet summarizes the "Best Management Practices" (BMPs) for storm water pollution prevention.

## ORDINANCE OF THE CITY OF CUPERTINO FOR STORM WATER POLLUTION PREVENTION & WATERCOURSE PROTECTION: Chapter 9.18

**9.18.040 Discharge into the storm drain prohibited**  
It is unlawful to cause, allow, or permit to be discharged, any discharge not composed entirely of stormwater to the storm drain system or to surface waters or to any location where it would contact or eventually be transported to surface waters, including flood plain areas, unless specifically called out in the Municipal Regional Permit as an exempt or conditionally exempt discharge.

**9.18.070 Accidental Discharge**  
All persons shall notify the Director of Public Works immediately upon accidentally discharging pollutants of concern to enable countermeasures to be taken by the City to minimize damage to storm drains and the receiving waters. Initial notification shall be followed, within five (5) business days of the date of occurrence, by a detailed written statement describing the causes of the accidental discharge and the measures being taken to prevent future occurrences. Such notification will not relieve persons of liability for violations of this chapter or for any fines imposed on the City on account thereof under Section 13350 of the California Water Code, or for violation of Section 5650 of the California Fish and Wildlife Code, or any other applicable provisions of State or Federal laws.

**9.18.220 Violation\***  
Any person who violates any provision of this Chapter shall be guilty of a misdemeanor and upon conviction thereof shall be punished as provided in Chapter 1.12 of the City of Cupertino Municipal Code.

Chapter 1.12: General Penalty, Section 1.12.010, paragraph D, states:

Unless otherwise specified by this code, an infraction is punishable by:

1. A fine not to exceed \$100 for a first violation
2. A fine not to exceed \$200 for a second violation
3. A fine not to exceed \$500 for a third violation of the same chapter within one year.

**9.18.240 Civil penalty for illicit discharges\***  
Any person who discharges pollutants, in violation of this Chapter, by the use of illicit connections shall be civilly liable to the City in a sum not to exceed twenty-five thousand dollars per day per violation for each day in which such violation occurs.

\*Excerpts - For complete CODE language refer to the City of Cupertino Municipal Code.

**Cupertino**  
Building Dept:  
408-777-3228  
Public Works Dept:  
408-777-3354

**Santa Clara County**  
Recycling Hotline:  
800-533-8414  
[www.recyclewaste.org](http://www.recyclewaste.org)  
[www.recyclestuff.com](http://www.recyclestuff.com)  
Small Business Hazardous Waste:  
408-299-7300

**Cupertino Sanitary Sewer Distr**  
408-253-7071

**Santa Clara Valley Urban Runoff**  
Pollution Prevention Prgm  
800-794-2482

**State Office of Emergency**  
Services  
1-800-692-7550 (24 hrs)  
Report spills to 911

## General Construction and Site Supervision

**Storm Drain Pollution from Construction Activities**  
Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay. As a contractor, or site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

- General Principles**
- Keep an orderly site and ensure good housekeeping practices are used.
  - Maintain equipment properly.
  - Cover materials when they are not in use.
  - Keep materials away from streets, storm drains and drainage channels.
  - Ensure dust control water doesn't leave site or discharge to storm drains.
- Advance Planning To Prevent Pollution**
- Schedule excavation and grading activities for dry weather periods. To reduce soil erosion, plant temporary vegetation or place other erosion controls before rain begins. Use the Erosion and Sediment Control Manual, available from the Regional Water Quality Control Board, as a reference.
  - Control the amount of runoff from your site (especially during excavation) by using berms or temporary or permanent drainage ditches to divert water flow around the site. Reduce stormwater runoff velocities by constructing temporary check dams or berms where appropriate.
  - Train your employees and subcontractors. The City can provide brochures on these issues for you to distribute to workers at your construction site. Inform your subcontractors about the stormwater requirements and their own responsibilities. Use Blueprint for a Clean Bay, a construction best management practices guide available at our Building Dept. counter.

## Painting and Application of Solvents and Adhesives

**Storm Drain Pollution from Paints, Solvents, and Adhesives**  
All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local creeks, San Francisco Bay, and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Paint material and wastes, adhesives and cleaning fluids should be recycled when possible, or disposed of properly to prevent these materials from flowing into storm drains and watercourses.

- Handling Paint Products**
- Keep all liquid paint products and wastes away from the gutter, street, and storm drains.
- Painting Cleanup**
- Never clean brushes or rinse paint containers into a street, gutter, storm drain, French drain, or creek.
  - For water-based paints, paint out brushes to the extent possible, and rinse into an inside sink drain that goes to the sanitary sewer.
  - For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent. Filter and reuse thinners and solvents, where possible. Dispose of excess liquids and residue as hazardous waste.
  - When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage.

## Landscaping, Gardening, and Pool Maintenance

**Landscaping/Garden Maintenance**

- Good Housekeeping Practices**
- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated areas should be well away from streams or storm drain inlets, berms if necessary. Make major repairs off site.
  - To prevent off-site tracking of dirt, provide entrances with straw and aggregate surfaces. Or provide a tire wash area.
  - Keep materials out of the rain - prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before a rain, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
  - Contain all litter, food wrappers, bottles and cans. Place loaded trash and recycling bins around the site.
  - Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
  - Cover and maintain dumpsters. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean out a dumpster by hosing it down on the construction site.
  - Place portable toilets away from storm drains. Make sure portable toilets are in good working order. Check regularly for leaks.
- Materials/Waste Handling**
- Practice Source Reduction - minimize waste when you order materials. Estimate carefully.
  - Recycle excess materials, whenever possible, such as concrete, asphalt, scrap metal, solvents, degreasers, cleaned vegetation, paper, rock, and vehicle maintenance materials such as used antifreeze, batteries, and tires. [www.recyclewaste.org](http://www.recyclewaste.org) for info.
  - Dispose of all wastes properly. Materials that cannot be recycled must be taken to an appropriate landfill or disposal of hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.
- Permits**
- In addition to local grading and building permits, you will need to obtain coverage under the State's General Construction Activity Stormwater Permit if your construction site's disturbed area totals 5 acres or more, information on the General Permit can be obtained from the Regional Water Quality Control Board. (The criteria will change to one acre as of Mar 2003.)

## Paint Removal

- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
  - Chemical paint stripping residue, and chips and dust from marine paints, or paints containing lead, mercury or tributyltin must be disposed of as hazardous wastes. Lead based paint removal requires a state-certified contractor.
  - When stripping or cleaning building exteriors with high-pressure water, block storm drains. Direct washwater onto a dirt area and spade into soil. Or, check with Cupertino Sanitary District to find out if you can mop or vacuum the washwater and dispose of it in a sanitary sewer drain. Sampling of the washwater may be required.
  - Washwater from painted buildings constructed before 1978 can contain high amounts of Lead, even if paint chips are not present. Before you begin stripping paint or cleaning pre-1978 building exteriors with water under high pressure, test paint for lead by taking paint scrapings to a local laboratory. (See Yellow Pages for a state-certified laboratory.)
  - If there is loose paint on the building, or if the paint tests positive for lead, block storm drains. Check with Cupertino Sanitary District to determine whether you may discharge water to the sanitary sewer, or if you must send it offsite for disposal as hazardous waste.
- Paint Disposal, Return or Donation**
- Dispose of unwanted liquid paint, thinners, solvents, glues, and cleaning fluids as hazardous waste (call the Small Business Hazardous Waste Prgm: 299-7300).
  - Or Return to supplier. (Unopened cans of paint may be able to be returned. Check with the vendor regarding its "buy-back" policy.)
  - Donate excess paint (call 299-7300 to donate).

## Landscaping, Gardening, and Pool Maintenance

**Landscaping/Garden Maintenance**

- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Schedule grading and excavation projects during dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drains with sandbags, gravel-filled bags, straw wattles, or other sediment controls.
- Re-vegetation is an excellent form of erosion control for any site.
- Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- Use pesticides sparingly, according to instructions on the label. Rinse empty containers, and use insecticide as product. Dispose of used, empty containers in the trash. Dispose of unused pesticides as hazardous waste.
- In Cupertino, residents with curbside recycling can collect lawn, garden and tree trimmings in yardwaste totes. Yardwaste will be collected and composted by the city's contractor. Residents are encouraged to compost yardwaste on-site themselves. Or take yardwaste to a landfill where it will be composted.
- Landscape contractors should take clippings and pruning waste to a landfill that composts yard waste (BFA's Nabby Island and Zanker Rd. landfill are the nearest).
- Do not blow or rake leaves into the street.

## Roadwork and Paving

**General Business Practices**

- Develop and implement erosion/sediment control plans for roadway embankments.
  - Schedule excavation and grading work during dry weather.
  - Check for and repair leaking equipment.
  - Perform major equipment repairs at designated areas in your maintenance yard, where cleanup is easier. A void performing equipment repairs at construction sites.
  - When refueling or when vehicle equipment maintenance must be done on site, designate a location away from storm drains and creeks.
  - Do not use diesel oil to lubricate equipment parts or clean equipment.
  - Recycle used oil, concrete, broken asphalt, etc. whenever possible, or dispose of properly. ([www.recyclestuff.com](http://www.recyclestuff.com) for list of recycling companies.)
- Asphalt/Concrete Removal**
- Avoid creating excess dust when breaking asphalt or concrete.
  - After breaking up old pavement, be sure to remove all chunks and pieces. Make sure broken pavement does not come in contact with rainfall or runoff.
  - When making saw cuts, use as little water as possible. Show or vacuum saw-cut slurry and remove from the site. Cover or protect storm drain inlets during saw-cutting. Sweep up, and properly dispose of, all residues.
  - Sweep, never hose down streets to clean up tracked dirt. Use a street sweeper or vacuum truck. Do not dump vacuumed liquid or storm drains.

## Storm Drain Pollution from Landscaping and Swimming Pool Maintenance

**Pool/Fountain/Spa Maintenance**

- Many landscaping activities expose soils, and increase the likelihood that earth and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.
- When it's time to drain a pool, spa, or fountain please be sure to call the Cupertino Sanitary District before you start for further guidance on flow rate restrictions, backflow prevention, and handling spool cleaning waste (such as acid wash). Discharge flows should be kept to the lowest levels typically possible through a garden hose. Higher flow rates may be prohibited by local ordinance.
- Never discharge pool or spa water to a street or storm drain; discharge to a sanitary sewer cleanout.
  - If possible, when emptying a pool or spa, let chlorine dissipate for a few days and then recycle the water by draining it gradually onto a landscaped area.
  - Do not use copper-based algaecides. Control algae with chlorine or other alternatives, such as sodium bromide.
- Filter Cleaning**
- Never clean a filter in the street or near a storm drain. Rinse cartridge and diatomaceous earth filters onto a dirt area and spade filter residue into soil. Dispose of spent diatomaceous earth in the garbage.
  - If there is no suitable dirt area, call Cupertino Sanitary District for instructions on discharging filter backwash or rinsewater to the sanitary sewer.

## Earth-Moving Activities

**Storm Drain Pollution from Earth-Moving Activities**

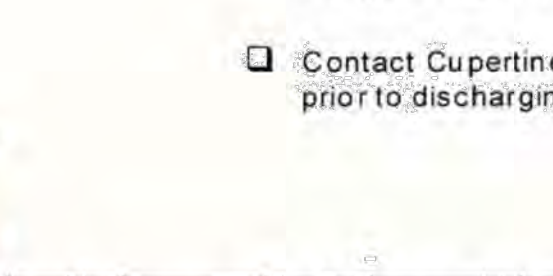
- Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains when handled improperly. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.
- Practices During Construction**
- Remove existing vegetation only when absolutely necessary. Plant temporary vegetation for erosion control on slopes or where construction is not immediately planned.
  - Protect downslope drainage courses, streams, and storm drains with wattles, or temporary drainage swales. Use check dams or ditches to divert runoff around excavations. Refer to the Regional Water Quality Control Board's Erosion and Sediment Control Field Manual for proper erosion and sediment control measures.
  - Cover stockpiles and excavated soil with secured tarps or plastic sheeting.



## Removal of BMP Facilities

**The Project Contractor is responsible for removal of all BMP Facilities located within the Public Right of Way upon project final inspection.**

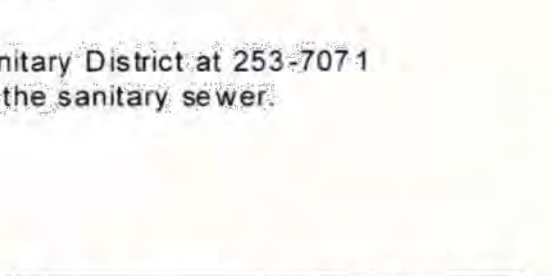
- During Construction**
- Don't mix up more fresh concrete or cement than you will use in a two-hour period.
  - Set up and operate small mixers on tarps or heavy plastic drop cloths.
  - When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
  - Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
  - Wash down exposed aggregate concrete only when the washwater can (1) flow onto a dirt area, (2) drain onto a bermed surface from which it can be pumped and disposed of properly, or (3) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
  - When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete. See [www.recyclewaste.org](http://www.recyclewaste.org) for info on recyclers.
  - Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
  - Never dispose of washout into the street, storm drains, drainage ditches, or streams.



## Dewatering Operations

**Storm Drain Pollution From Dewatering Activities**

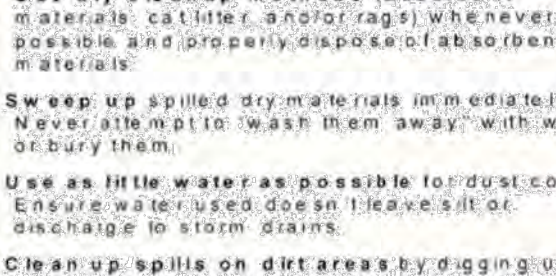
- Be sure to call your city's storm water inspector at 408-472-9907 before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, and sediment trap may be required. Reuse water for dust control, irrigation or another on-site purpose to the greatest extent possible.
- Check for Sediment or Toxic Pollutants**
- Check for odors, discoloration, or an oily sheen on groundwater.
  - Ask your city inspector whether the groundwater must be tested by a certified laboratory.
  - Depending on the test results, you may be allowed to discharge pumped groundwater to the storm drain OR you may be required to haul the water off-site for treatment and disposal at an appropriate treatment facility.
  - When discharging to a storm drain, protect the inlet using a barrier of burlap bags filled with drain rock, or cover inlet with filter fabric anchored under the grate.
  - Contact Cupertino Sanitary District at 253-7071 prior to discharging to the sanitary sewer.



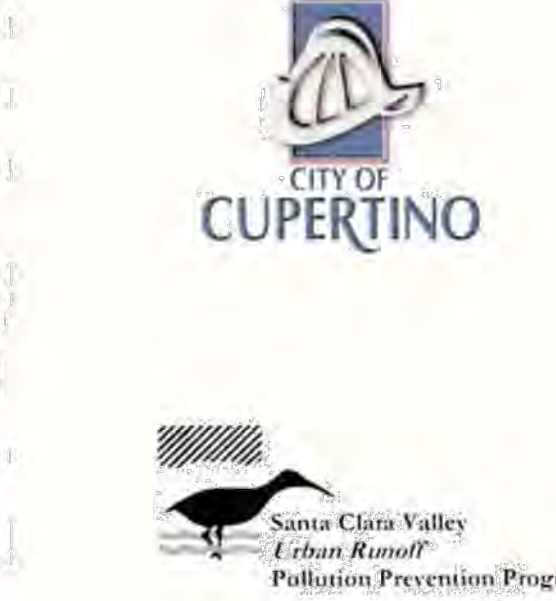
## Heavy Equipment Operation

**Storm water Pollution from Heavy Equipment on Construction Sites**

- Properly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or other fluids on the construction site are common sources of storm drain pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.
- Site Planning and Preventive Vehicle Maintenance**
- Designate one area of the construction site well away from streams or storm drain inlets for auto and equipment parking, refueling, and routine vehicle and equipment maintenance. Contain the area with berms, sand bags, or other barriers.
  - Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks.
  - Perform major maintenance, repair jobs, and vehicle and equipment washing off-site, where cleanups are easier.
  - If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all solvent fluids, store in separate containers, and properly dispose as hazardous waste (recycle whenever possible).
  - Do not use, discharge, or lubricate equipment parts or clean equipment. Use only water for any on-site cleaning.
  - Cover exposed fifth wheel hitches and other oily or greasy equipment during rain events.
- Spill Cleanup**
- Clean up spills immediately.
  - Never hose down "drip" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, a floor rag), whenever possible, and properly dispose of absorbent materials.
  - Sweep up spilled dry materials immediately. Never attempt to wash them away with water, or bury them.
  - Use as little water as possible for dust control. Limit water use to dust control, not discharge to storm drains.
  - Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
  - Call 911 for significant spills.
  - If the spill poses a significant hazard to human health and safety, property of the environment, you must also report to the State Office of Emergency Services.



**Small Business Hazardous Waste Disposal Prgm**  
Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month are eligible to use this program. Call 408-299-7300 for a quote.



APPROVED BY:   
TIMM BORDEN, RCE 45612  
DIRECTOR OF PUBLIC WORKS

9/1/16  
DATE

# CONSTRUCTION BEST MANAGEMENT PRACTICES

# CITY OF CUPERTINO

DEPARTMENT OF PUBLIC WORKS

UPDATED SEPTEMBER 2016  
SHEET: C7.2  
SHEET 11 OF 22



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT ARE NEARBY. THE CONTRACTOR SHALL MAINTAIN CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, WATER, GAS, AND CABLE, AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



**IRRIGATION SYSTEM LEGEND**

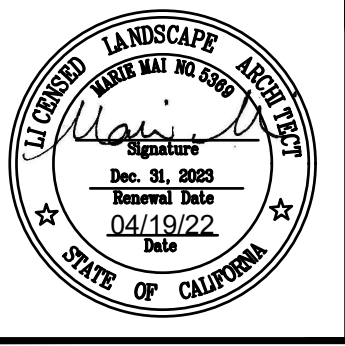
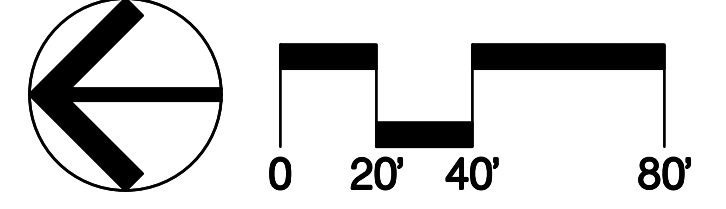
- NEW IRRIGATION AREA, SEE IRRIGATION PLAN
- EXISTING CONTROLLER C1, TO BE REMOVED
- EXISTING CONTROLLER C2, TO BE REMOVED
- EXISTING CONTROLLER C3 FOR FIELD IRRIGATION, TO REMAIN
- EXISTING REMOTE CONTROL VALVE ZONE/ IRRIGATION AREA TO REMAIN
- NEW CONTROLLER STATION NUMBER
- EXISTING MAINLINE TO REMAIN, SIZE VARIES
- EXISTING WATER METER TO REMAIN
- EXISTING BACKFLOW PREVENTER, SEE IRRIGATION SYSTEM PLAN FOR DISPOSITION

**WATER SERVICE MODIFICATIONS**

1. **WATER SERVICE #1:** THE FOLLOWING EXISTING REMOTE CONTROL VALVES AND IRRIGATION AREAS WILL BE CONNECTED TO WATER SERVICE #1. SEE IRRIGATION PLAN FOR CONNECTION OF NEW VALVES TO THIS SERVICE:
 

VALVE 1A	AREA A
VALVE 2A	AREA B
VALVE 3A	AREA C
VALVE 4A	AREA D
	FIELD IRRIGATION AREA
  
2. **WATER SERVICE #2:** THE FOLLOWING EXISTING REMOTE CONTROL VALVES AND IRRIGATION AREAS WILL BE CONNECTED TO WATER SERVICE #2. SEE IRRIGATION PLAN FOR CONNECTION OF NEW VALVES TO THIS SERVICE:
 

VALVE 1B	VALVE 14B
VALVE 2B	VALVE 15B
VALVE 3B	VALVE 16B
VALVE 4B	VALVE 17B
VALVE 5B	VALVE 18B
VALVE 6B	VALVE 19B
VALVE 7B	VALVE 20B
VALVE 8B	AREA E
VALVE 9B	AREA F
VALVE 10B	AREA G
VALVE 11B	AREA H
VALVE 12B	
VALVE 13B	



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CALA Project No. 21056

Date:	04/19/22	CONFORMED SET	NR	6/03/22		
Scale:	AS SHOWN	BID SET	NR	4/19/22		
Designed:	NR					
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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**OVERALL IRRIGATION SYSTEM DISPOSITION**

CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-003

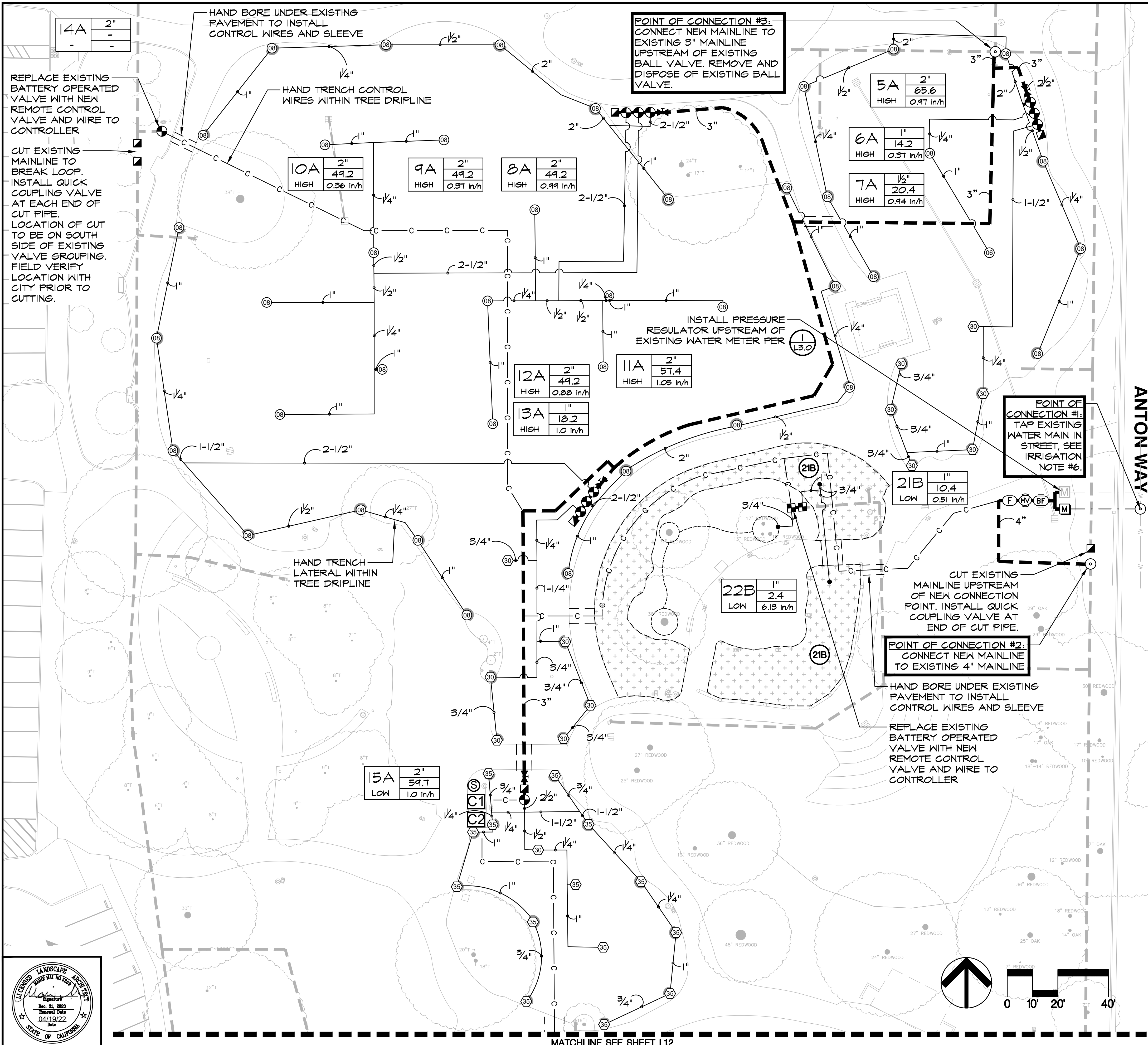
PUBLIC WORKS INSPECTOR:	KEVIN REIDEN
VOICE MAIL:	(408) 777-3104
PROJECT ENGINEER	
NAME	DATE



**CITY OF CUPERTINO**  
**L1.0**  
SHEET 12 OF 22

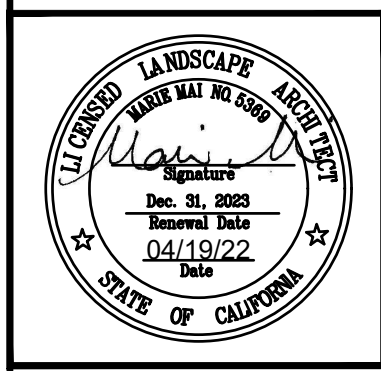


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**IRRIGATION LEGEND**

- SHRUB/GROUNDCOVER DRIP IRRIGATION: RAINBIRD, XERI-BUG EMITTERS, XB-IOPC, 1.0 GPH. INSTALL 2 EMITTERS PER PLANT WITHIN WATER BASIN. SUPPLY TUBING TO BE UV-RESISTANT POLYETHYLENE, 3/4" SIZE. INSTALL SUPPLY TUBING ON GRADE BELOW MULCH AND STAKE EVERY 4 FEET. INSTALL FLUSH CAP AT END OF EACH TUBING RUN FOR MANUALLY FLUSHING LINE. (2 L3.2) (6 L3.2)
- DRIP IRRIGATION AT EXISTING TREE: RAINBIRD, PRESSURE COMPENSATING MODULES, FC-12, 12.0 GPH. INSTALL 4 EMITTERS PER TREE. SUPPLY TUBING TO BE UV-RESISTANT POLYETHYLENE, 3/4" SIZE. INSTALL SUPPLY TUBING ON GRADE BELOW MULCH AND STAKE EVERY 4 FEET. INSTALL FLUSH CAP AT END OF EACH TUBING RUN FOR MANUALLY FLUSHING LINE. (5 L3.2)
- TURF ROTOR: RAINBIRD, FALCON 6504 SERIES, STAINLESS STEEL RISER, #8 NOZZLE, ARC AS REQUIRED TO PROVIDE FULL COVERAGE (8)
- ROTOR: RAINBIRD, FALCON 6504 SERIES, STAINLESS STEEL RISER, #6 NOZZLE, ARC AS REQUIRED TO PROVIDE FULL COVERAGE (6)
- ROTOR: RAINBIRD, 5000-MPR-30, STAINLESS STEEL RISER, ARC AS REQUIRED TO PROVIDE FULL COVERAGE, 4" POP-UP HEIGHT IN TURF AREAS, 12" POP-UP HEIGHT IN SHRUB/GROUNDCOVER AREAS (4 L3.2)
- ROTOR: RAINBIRD, 5000-MPR-35, STAINLESS STEEL RISER, ARC AS REQUIRED TO PROVIDE FULL COVERAGE, 4" POP-UP HEIGHT IN TURF AREAS, 12" POP-UP HEIGHT IN SHRUB/GROUNDCOVER AREAS (5)
- TREE BUBBLER: RAINBIRD, 1402, EACH SYMBOL REPRESENTS 2 BUBBLERS (3 L3.2)
- REMOTE CONTROL VALVE: RAINBIRD, EFB-CP-PRS-D, SET PRESSURE REGULATING MODULE TO 65 PSI, SIZE PER PLAN (3 L3.1) (6 L3.1)
- REMOTE CONTROL VALVE: RAINBIRD PESB, SIZE PER PLAN (3 L3.1) (6 L3.1)
- DRIP CONTROL ZONE: RAINBIRD, XCZ-100-PRB-COM (5 L3.0) (6 L3.1)
- QUICK COUPLING VALVE: RAINBIRD, 33-DLRC (4 L3.1) (6 L3.1)
- BALL VALVE: NIBCO, T-PP-600A, LINE SIZE (3 L3.0) (6 L3.1)
- CONTROLLER 1: RAINMASTER, EAGLE PLUS, 24 STATION IN STAINLESS STEEL PEDESTAL. CONNECT NEW AND EXISTING 'A' VALVES TO CONTROLLER C1. SEE IRRIGATION NOTE #13 FOR MORE INFORMATION. (4 L3.0)
- CONTROLLER 2: RAINMASTER, EAGLE PLUS, 32 STATION IN STAINLESS STEEL PEDESTAL. CONNECT NEW AND EXISTING 'B' VALVES TO CONTROLLER C2. SEE IRRIGATION NOTE #13 FOR MORE INFORMATION. (4 L3.0)
- BACKFLOW PREVENTER: WILKINS, 375AST, 4" SIZE (2 L3.0)
- MASTER VALVE: SUPERIOR, 3300, 3" SIZE, NORMALLY OPEN, WIRE TO CONTROLLER C2 (2 L3.1)
- FLOW SENSOR: FLOMEC, QS200, 2" SIZE, WIRE TO CONTROLLER C2 (1 L3.1)
- RAIN SENSOR: IRRITROL, RS-1000, WIRELESS, INSTALL ON EXISTING LIGHT POLE AS DIRECTED BY CITY. VERIFY SUCCESSFUL WIRELESS CONNECTION TO CONTROLLER.
- WATER METER: 2" SIZE, SUPPLIED BY SAN JOSE WATER CO., SEE IRRIGATION NOTE #7 (1 L3.0)
- LATERAL LINE: SCH 40 PVC, SIZE PER PLAN, 3/4" MINIMUM (5 L3.1)
- MAINLINE: CLASS 315 PVC, SIZE PER PLAN, 2" MINIMUM
- SLEEVE: SCH 40 PVC, 2X PIPE DIAMETER, 2" MIN SIZE
- CONTROL WIRES: WHEN NOT PARALLEL TO MAINLINE, INSTALL IN CONDUIT UNDER PAVEMENT, 1'-6" MINIMUM DEPTH
- SERVICE LINE: 2" SIZE, VERIFY MATERIAL WITH SAN JOSE WATER CO. FOR BIDDING PURPOSES ASSUME COPPER TYPE K
- DRIP LATERAL/TUBING CONNECTION (1 L3.2)
- VALVE NUMBER FOR DRIP AREA (21B)
- VALVE CALLOUT**
  - VALVE NUMBER
  - VALVE SIZE
  - VALVE FLOW
  - PRECIPITATION RATE
  - WATER-USE
- POINT OF CONNECTION
- EXISTING MAINLINE, SIZE VARIES, SEE PLAN FOR SIZES AT POINTS OF CONNECTION
- EXISTING WATER METER, 2" SIZE
- EXISTING WATER MAIN
- EXISTING SERVICE LINE



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DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE
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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**IRRIGATION PLAN**

CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-003  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



**CITY OF CUPERTINO**  
**L1.1**  
SHEET 13 OF 22

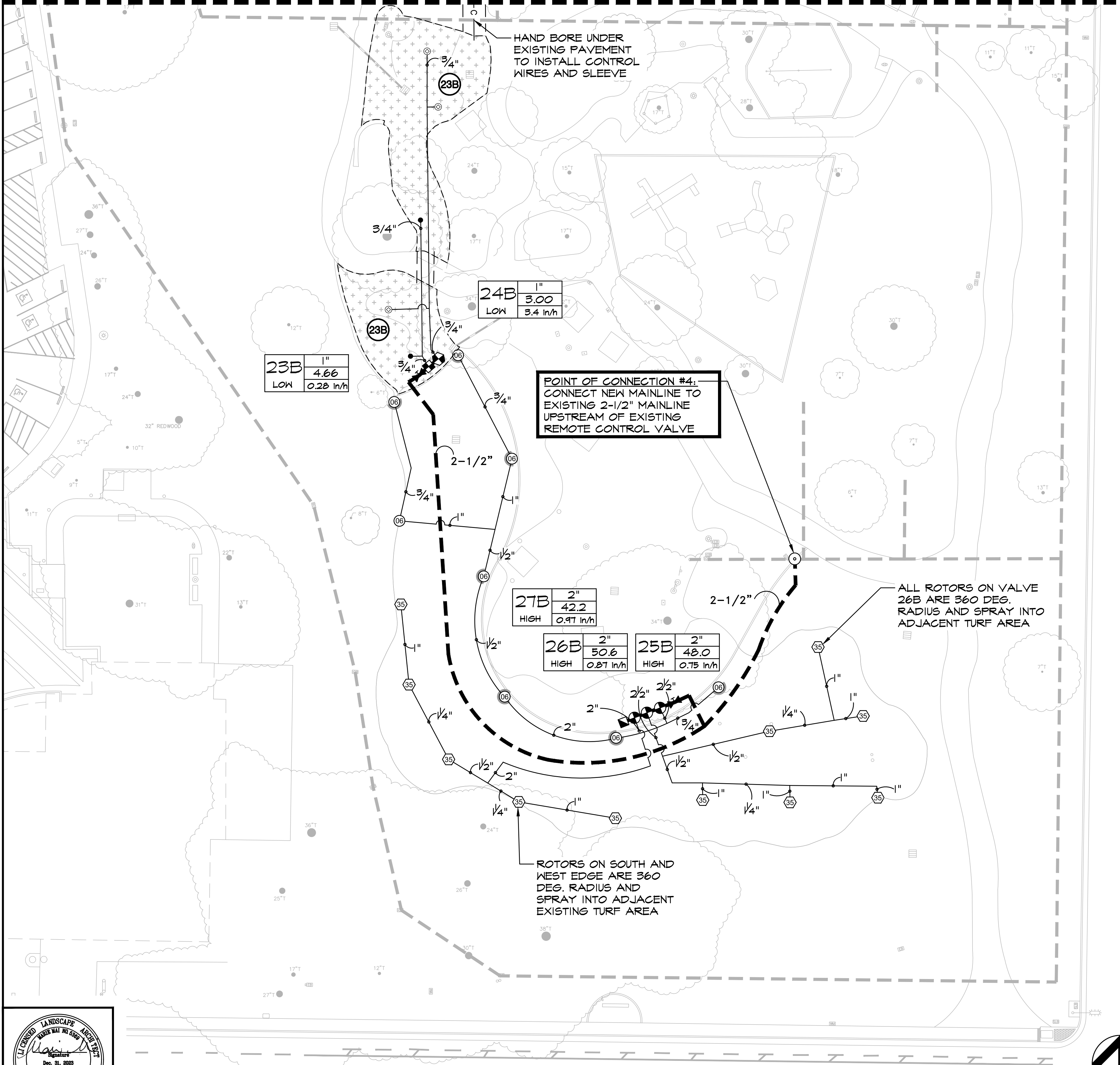
FOR IRRIGATION NOTES SEE SHEET L1.2

MATCHLINE SEE SHEET L12



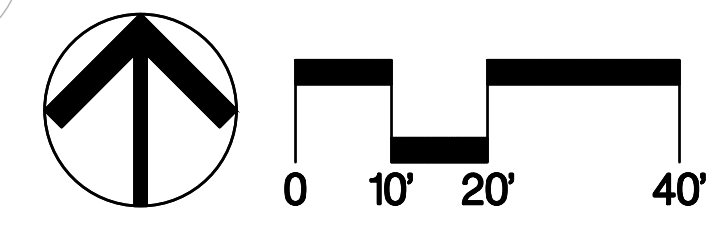
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MATCHLINE SEE SHEET L11



ANTON WAY

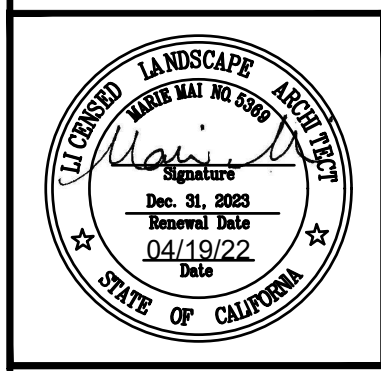
STEVENS CREEK BLVD.



**IRRIGATION NOTES**

1. **SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. **VERIFICATION:** SYSTEM DESIGN IS BASED ON 145 P.S.I. AVAILABLE AT DISCHARGE OUTLET OF WATER METER AND 75 G.P.M. AVAILABLE AT DISCHARGE OUTLET OF BACKFLOW PREVENTER. VERIFY SAME AND NOTIFY CITY'S REPRESENTATIVE IF LOWER FIGURES ARE RECORDED DURING VERIFICATION. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
3. **UTILITIES:** VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
4. **SCHEMATIC:** SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUND COVER OR SHRUB AREAS WHENEVER POSSIBLE.
5. **CODES:** IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY CITY'S REPRESENTATIVE BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
6. **SERVICE LINE:** CONTRACTOR SHALL TAP WATER MAIN IN ANTON WAY AT POINT OF CONNECTION #1 AND PROVIDE SERVICE LINE TO WATER METER LOCATION AS SHOWN ON PLANS. CONTRACTOR SHALL REPAIR ALL DAMAGES INCURRED DURING INSTALLATION AND SHALL BE RESPONSIBLE FOR ALL ASSOCIATED FEES AND CHARGES, DEPTH OF PIPE, TRENCHING AND BACKFILLING, AS REQUIRED BY SAN JOSE WATER CO.
7. **WATER METER:** CONTRACTOR SHALL PURCHASE AND INSTALL WATER METER AS SHOWN ON PLANS, INCLUDING ALL ASSOCIATED CONNECTIONS, VAULTS, ETC. CONTRACTOR SHALL INCUR ALL FEES ASSOCIATED WITH PURCHASE AND INSTALLATION. CONTACT SAN JOSE WATER CO. (408) 279-1887.
8. **EXISTING WATER METER:** CONTRACTOR SHALL CONTACT SAN JOSE WATER CO. TO REACTIVATE SERVICE TO EXISTING WATER METER, AND PAY FEES ASSOCIATED WITH REACTIVATION. PHONE NUMBER: (408) 279-7900.
9. **BACKFLOW ASSEMBLY:** CONTRACTOR SHALL CONNECT THE BACKFLOW ASSEMBLY WITH THE WATER METER USING 4 INCH DUCTILE IRON PIPE BURIED A MINIMUM OF 18 INCHES.
10. **SLEEVEING:** ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVEING SHALL EXTEND 1'-0" FROM EDGE OF PAVING INTO LAWN OR PLANTING AREA, AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE.
11. **QUICK COUPLING VALVES:** LOCATE 12 INCHES AWAY FROM EDGE OF PAVEMENT AND CURBS WITHIN PLANTING AREAS. PROVIDE CITY WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE SWIVEL HOSE ELL.
12. **HEAD ALLOWANCE:** ALLOW IN BID PRICE AN AMOUNT SUFFICIENT TO PROVIDE AND INSTALL AN ADDITIONAL 2 SPRINKLER HEADS OF EACH TYPE SPECIFIED ON PLAN TO ACCOMMODATE FIELD CHANGES. THESE HEADS SHALL BE LOCATED AS DIRECTED BY THE CITY'S REPRESENTATIVE. DELIVER TO THE CITY ANY UN-USED ADDITIONAL HEADS AT THE END OF THE MAINTENANCE PERIOD.
13. **CONTROLLERS:** CITY SHALL FURNISH AND INSTALL CONTROLLERS AND PEDESTALS. CONTRACTOR SHALL STUB OUT POWER AND CONTROL WIRES IN EXISTING CONDUITS WITHIN CONCRETE PAD. CONNECT NEW CONTROLLERS TO EXISTING ELECTRICAL SERVICE THAT POWERED EXISTING CONTROLLERS TO BE REMOVED.
14. **MANUAL WATERING:** CONTRACTOR SHALL MANUALLY WATER PLANTING AREAS THROUGHOUT THE PARK, INCLUDING AREAS BEYOND LIMITS OF THE PROJECT, SHOULD THE EXISTING IRRIGATION SYSTEM BE INOPERABLE FOR MORE THAN TWO (2) CONSECUTIVE DAYS. CONTRACTOR TO COORDINATE WITH THE CITY'S REPRESENTATIVE AS NEEDED TO REPLICATE THE EXISTING WATER SCHEDULE.
15. **EXISTING IRRIGATION VERIFICATION:** REVIEW THE LAYOUT OF THE EXISTING IRRIGATION SYSTEM WITH THE CITY'S REPRESENTATIVE TO CONFIRM OPERATIONAL STATUS PRIOR TO COMMENCING IRRIGATION WORK. VERIFY LIMITS OF EXISTING VALVE ZONES AND CONFIRM FIELD CONDITIONS MATCH WHAT IS SHOWN ON THE PLANS. REPORT ANY DISCREPANCIES AND DYSFUNCTIONAL COMPONENTS TO THE CITY'S REPRESENTATIVE IN WRITING.
16. **POST-CONSTRUCTION OPERATIONAL TEST:** REVIEW THE FUNCTIONALITY OF THE IRRIGATION SYSTEM (BOTH NEW AND EXISTING COMPONENTS) WITH THE CITY'S REPRESENTATIVE TO CONFIRM SUCCESSFUL OPERATION AFTER THE NEW SYSTEM HAS BEEN INSTALLED. CORRECT ANY DEFICIENCIES FOUND THAT WERE CAUSED IN THE EXISTING SYSTEM AS A RESULT OF CONSTRUCTION.
17. **THRUST BLOCKS:** ALL STRAIGHT RUNS OF MAINLINE 100 FEET OR GREATER IN LENGTH THAT END IN A TEE OR 90 DEGREE ELBOW SHALL HAVE A CONCRETE THRUST BLOCK. ALL PVC FITTINGS ENCASED IN CONCRETE THRUST BLOCKS SHALL BE WRAPPED WITH PVC IRRIGATION TAPE.
18. **EXISTING MAINLINE:** LOCATION AND SIZE OF EXISTING MAINLINE IS BASED ON RECORD DRAWINGS. FIELD VERIFY THE EXISTING MAINLINE SIZE AT ALL POINTS OF CONNECTION. NOTIFY THE CITY IN WRITING IF ACTUAL MAINLINE SIZE VARIES FROM WHAT IS INDICATED ON THE PLAN.

FOR IRRIGATION LEGEND SEE SHEET L11



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CALA Project No. 21056

Date:	04/19/22	CONFORMED SET	NR	6/03/22			
Scale:	AS SHOWN	BID SET	NR	4/19/22			
Designed:	NR						
Drawn:	DN						
Checked:	MM						
Proj. Engr:							
File:	21056_IR.dwg						
REVISIONS		DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE		

IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**IRRIGATION PLAN**

CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-003  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER



**CITY OF CUPERTINO**  
**L1.2**  
SHEET 14 OF 22









# WELO COMPLIANCE CERTIFICATE

Community Development Department  
 10300 Torre Avenue  
 Cupertino, CA 95014  
 408.777.3308/Fax 408.777.3333  
 planning@cupertino.org  
 http://cupertino.org/planning

PROJECT ADDRESS & A.P.N.

## CERTIFICATE OF COMPLETION

PROPERTY OWNER NAME: \_\_\_\_\_ E-MAIL: \_\_\_\_\_  
 PROPERTY OWNER ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 I certify that I received copies of all the documents required in the Landscape Ordinance (CMC Chapter 14.15). I understand it is my responsibility to record a maintenance agreement stating that the subject landscape is protected and to see that the project is maintained in accordance with the Irrigation Schedule and the Landscape and Irrigation Maintenance Schedule provided.  
 SIGNATURE OF PROPERTY OWNER: \_\_\_\_\_ DATE: \_\_\_\_\_

## CERTIFICATE OF INSTALLATION

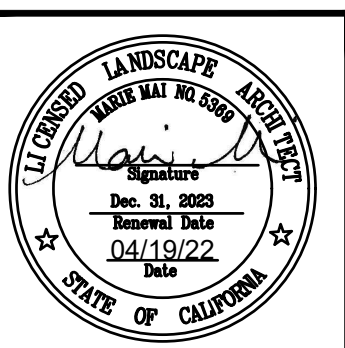
COMPANY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 NAME: \_\_\_\_\_  
 TITLE: \_\_\_\_\_ LIC./CERT.#: \_\_\_\_\_  
 E-MAIL: \_\_\_\_\_ PHONE: \_\_\_\_\_ PROFESSIONAL SEAL: \_\_\_\_\_  
 I certify that based upon periodic site observations, the landscape planting and irrigation installation has been completed in accordance with the Landscape Ordinance (CMC Chapter 14.15). I understand that it is my responsibility to provide the Irrigation Schedule and the Landscape and Irrigation Maintenance Schedule to the subject applicant/property owner.  
 SIGNATURE OF LICENSED/CERTIFIED LANDSCAPE PROFESSIONAL: \_\_\_\_\_ DATE: \_\_\_\_\_

**STAFF NOTES:**  
 (Project #, Inspector Initials)  
 1. Prescriptive Compliance Application  YES  Not Required  
 2. Water Efficient Landscape Worksheet  YES  Not Required  
 3. Landscape Plans  YES  Not Required  
 4. Irrigation Plans  YES  Not Required  
 5. Grading Plans  YES  Not Required  
 6. Irrigation Schedule  YES  Not Required  
 7. Landscape and Irrigation Maintenance Schedule  YES  Not Required  
 8. Soil Management Report  YES  Not Required  
 9. Irrigation Audit Report  YES  Not Required

# IRRIGATION SCHEDULE

Valve No.	Description	GPM Flow	Precip Rate	Irrigation Method	Irrigation Efficiency	Plant Water Use	Plant Factor	Month ETO	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
5A	Turf	65.6	0.97	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	1.5	1.8	3.1	4.1	5.3	5.6	6.1	5.5	4.7	3.4	1.7	1.1	45.3
								Cycles per Day	3	3	6	7	10	10	11	10	8	6	3	2	
								Days per Month	1	1	2	2	3	3	3	2	2	1	1		
								Total Minutes	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Gallons	12	15	108	154	450	480	561	450	208	108	15	6	
6A	Turf	14.2	0.37	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	787	984	7,085	10,102	29,520	31,488	36,802	29,520	13,645	7,085	984	394	168,395
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	28	45	270	418	1,125	1,296	1,479	1,170	572	288	40	15	
								Total Gallons	398	639	3,834	5,936	15,975	18,403	21,002	16,614	8,122	4,900	568	213	
7A	Turf	20.4	0.94	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	3	6	7	10	10	11	10	8	6	3	2	52,367
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	15	108	154	450	480	561	450	208	108	15	6	
								Total Gallons	245	306	2,203	3,142	9,180	9,792	11,444	9,180	4,243	2,203	305	122	
8A	Turf	49.2	0.99	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	3	6	7	10	10	11	10	8	6	3	2	126,296
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	15	108	154	450	480	561	450	208	108	15	6	
								Total Gallons	590	738	5,314	7,577	22,140	23,616	27,601	22,140	10,234	5,314	738	295	
9A	Turf	49.2	0.37	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	7	9	15	19	25	27	29	26	22	16	8	5	331,903
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	28	45	270	418	1,125	1,296	1,479	1,170	572	288	40	15	
								Total Gallons	1,378	2,214	13,284	20,566	55,350	63,763	72,767	57,564	28,142	14,170	1,968	738	
10A	Turf	49.2	0.36	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	7	9	15	20	26	28	30	27	23	17	8	5	344,449
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	28	45	270	440	1,170	1,344	1,415	1,215	598	306	40	15	
								Total Gallons	1,378	2,214	13,284	21,648	57,564	66,125	75,276	59,778	29,422	15,055	1,968	738	
11A	Turf	57.4	1.05	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	2	3	5	7	9	9	10	9	8	6	3	2	135,234
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	8	15	90	154	405	432	510	405	208	108	15	6	
								Total Gallons	459	861	5,166	8,840	23,247	24,797	29,274	23,247	11,939	6,199	861	344	
12A	Turf	49.2	0.88	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	4	6	8	10	11	12	11	9	7	3	2	136,874
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	20	108	176	450	528	612	495	234	126	15	6	
								Total Gallons	590	984	5,314	8,659	22,140	25,978	30,110	24,354	11,513	6,199	738	295	
13A	Turf	18.2	1	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	3	6	7	10	10	11	10	8	6	3	2	46,719
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	15	108	154	450	480	561	450	208	108	15	6	
								Total Gallons	218	273	1,956	2,803	8,190	8,736	10,210	8,190	3,786	1,956	273	109	
15A	Shrubs and Groundcover	59.7	1	Spray	0.75	Low	0.2	Run Time per Cycle (Minutes)	1	1	1	1	2	2	2	2	2	1	1	1	61,551
								Cycles per Day	1	1	1	1	2	2	2	2	2	1	1		
								Days per Month	2	3	5	7	9	9	10	9	8	6	3	2	
								Total Minutes	6	9	30	49	180	180	220	180	128	36	9	4	
								Total Gallons	358	537	1,791	2,925	10,746	10,746	13,134	10,746	7,642	2,149	537	239	
21B	Shrubs and Groundcover	10.4	0.51	Drip	0.81	Low	0.2	Run Time per Cycle (Minutes)	5	6	11	14	18	19	21	19	16	12	6	4	20,415
								Cycles per Day	1	1	1	1	2	2	2	2	2	1	1		
								Days per Month	2	3	5	7	9	9	10	9	8	6	3	2	
								Total Minutes	10	18	55	98	324	342	420	342	256	72	18	8	
								Total Gallons	104	187	572	1,019	3,370	3,557	4,368	3,557	2,662	749	187	83	
22B	Trees	2.4	6.13	Drip	0.81	Low	0.2	Run Time per Cycle (Minutes)	1	1	1	1	2	2	2	2	2	1	1	1	499
								Cycles per Day	1	1	1	1	2	2	2	2	2	1	1		
								Days per Month	2	3	5	7	9	9	10	9	8	6	3	2	
								Total Minutes	2	3	5	7	9	9	10	9	8	6	3	2	
								Total Gallons	5	7	12	17	86	86	96	86	77	44	7	5	
23B	Shrubs and Groundcover	4.66	0.28	Drip	0.81	Low	0.2	Run Time per Cycle (Minutes)	10	12	20	26	34	36	39	35	30	22	11	7	17,068
								Cycles per Day	1	1	1	1	2	2	2	2	2	1	1		
								Days per Month	2	3	5	7	9	9	10	9	8	6	3	2	
								Total Minutes	20	36	100	182	612	648	780	630	480	132	33	14	
								Total Gallons	93	168	466	848	2,852	3,020	3,635	2,936	2,237	615	154	65	
24B	Trees	3	3.4	Drip	0.81	Low	0.2	Run Time per Cycle (Minutes)	1	1	2	2	3	3	3	3	2	2	1	1	900
								Cycles per Day	1	1	1	1	2	2	2	2	2	1	1		
								Days per Month	2	3	5	7	9	9	10	9	8	6	3	2	
								Total Minutes	2	3	10	14	54	54	60	54	32	12	3	2	
								Total Gallons	6	9	30	42	162	162	180	162	96	36	9	6	
25B	Turf	48	0.75	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	4	7	9	12	13	14	13	11	8	4	3	157,344
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	20	126	198	540	624	714	585	286	144	20	9	
								Total Gallons	576	960	6,048	9,504	25,920	29,952	34,272	28,800	13,728	6,912	960	432	
26B	Turf	50.6	0.87	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	4	6	8	10	11	12	11	9	7	3	2	140,769
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	20	108	176	450	528	612	495	234	126	15	6	
								Total Gallons	607	1,012	5,465	8,906	22,770	26,717	30,967	25,047	11,840	6,376	759	304	
27B	Turf	42.2	0.97	Spray	0.75	High	0.7	Run Time per Cycle (Minutes)	3	3	6	7	10	10	11	10	8	6	3	2	108,327
								Cycles per Day	1	1	2	2	3	3	3	2	2	1	1		
								Days per Month	4	5	9	11	15	16	17	15	13	9	5	3	
								Total Minutes	12	15	108	154	450	480	561	450	208	108	15	6	
								Total Gallons	506	633	4,558	6,499	18,990	20,298	23,674	18,990	8,778	4,558	633	253	
<b>Total Gallons Per Year</b>																					<b>1,944,928</b>

CONTRACTOR AGREES THAT SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. SHE SHALL MAINTAIN ADEQUATE CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

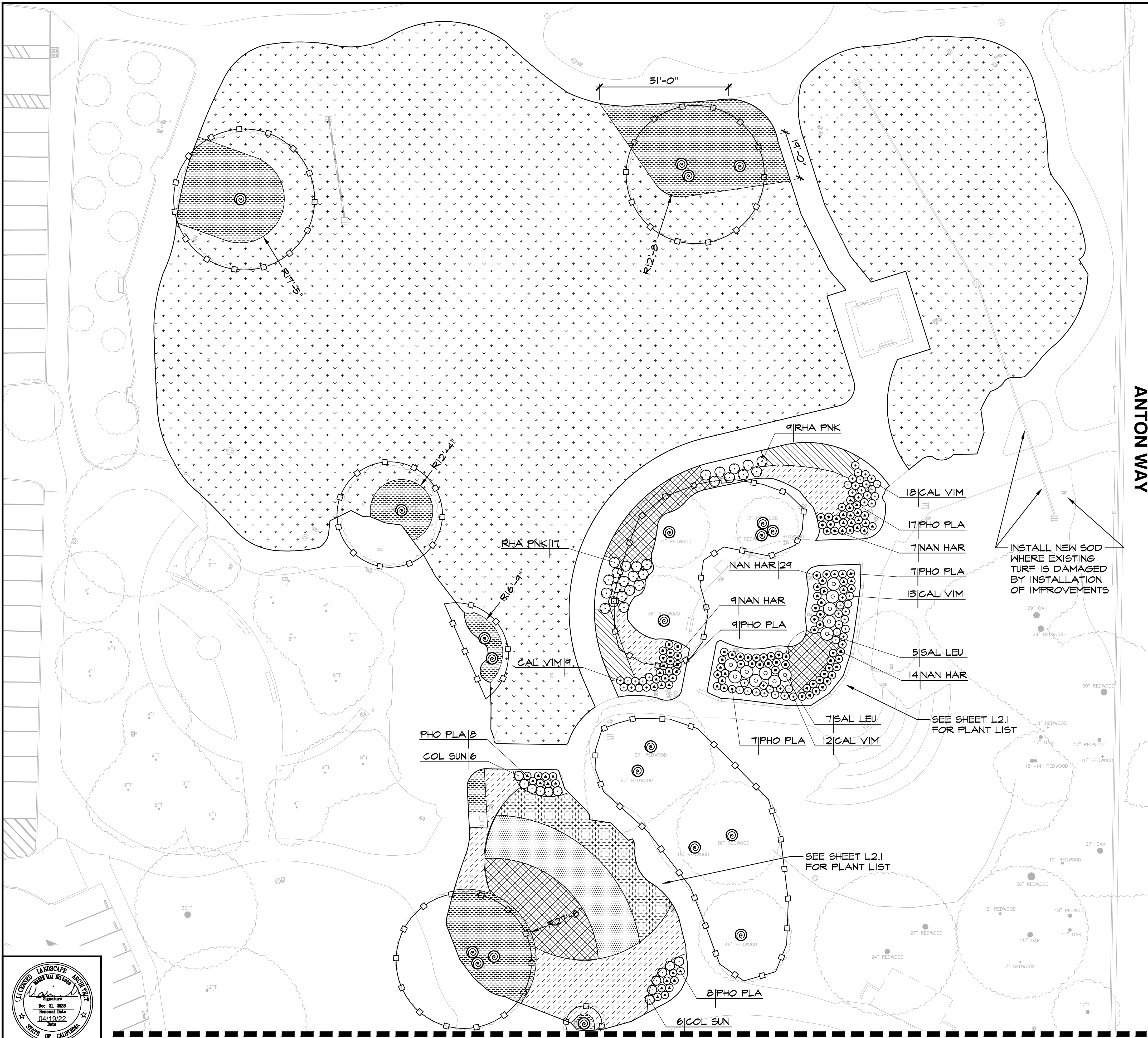


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 CALA Project No. 21054

Date:	04/19/22	CONFORMED SET	NR	6/03/22			
Scale:	AS SHOWN	BID SET	NR	4/19/22			
Designed:	NR						
Drawn:	DN						



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT ARE NEARBY. CONTRACTOR SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



**PLANTING LEGEND**

- EXISTING TREE TO REMAIN
- TREE PROTECTION FENCE
- MULCH WITHOUT PLANTING OR SOIL PREPARATION TO 3 INCH DEPTH
- TURF FROM SOD, 90/10 TALL FESCUE
- R RADIUS

**PLANTING NOTES**

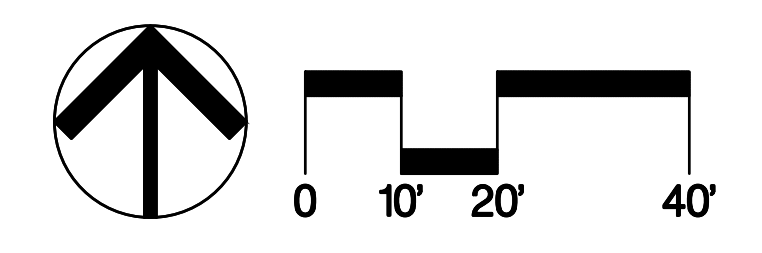
1. **MULCH:** INSTALL A UNIFORM THREE INCH COVERING OF MULCH THROUGHOUT ALL CONTAINER PLANTING AREAS AND LOCATIONS INDICATED ON PLAN, PER SPECIFICATIONS.
2. **EXISTING PLANT MATERIAL:** PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE CITY'S SATISFACTION AT NO ADDITIONAL COST.
3. **GROUNDCOVER:** PROVIDE GROUNDCOVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL AREAS TO BE PLANTED. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
4. **QUANTITIES:** THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
5. **TOPSOIL:** ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF IMPORT TOPSOIL PER SPECIFICATIONS.
6. **SOILS TESTING:** SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. TESTING REQUIRES FOUR TO FIVE WEEKS. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.
7. **SOILS COMPACTION UNDER TREES:** SOILS WITHIN DRIPLINE OF TREES TO REMAIN SHALL BE LIGHTLY COMPACTED TO A MAXIMUM OF 85%, WITH CARE TAKEN NOT TO DAMAGE ROOTS.

ANTON WAY

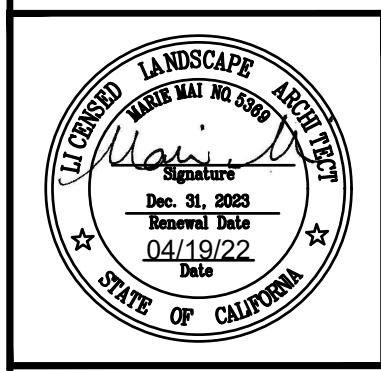
INSTALL NEW SOD WHERE EXISTING TURF IS DAMAGED BY INSTALLATION OF IMPROVEMENTS

SEE SHEET L2.1 FOR PLANT LIST

SEE SHEET L2.1 FOR PLANT LIST



FOR PLANT LIST SEE SHEET L2.1



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CALA Project No. 21056

Date:	04/19/22	CONFORMED SET	NR	6/03/22			
Scale:	AS SHOWN	BID SET	NR	4/19/22			
Designed:	NR						
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Proj. Engr:							
File:	21056_PL.dwg						

IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**PLANTING PLAN**

CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-003

PUBLIC WORKS INSPECTOR:	KEVIN REIDEN
VOICE MAIL:	(408) 777-3104
PROJECT ENGINEER:	
NAME:	DATE:



**CITY OF CUPERTINO**  
**L2.0**  
SHEET 17 OF 22



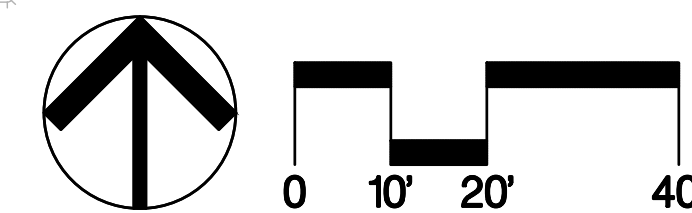
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT MAY BE AFFECTED BY HIS WORK. HIS RESPONSIBILITY SHALL BE CONTINUOUS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



### PLANT LIST

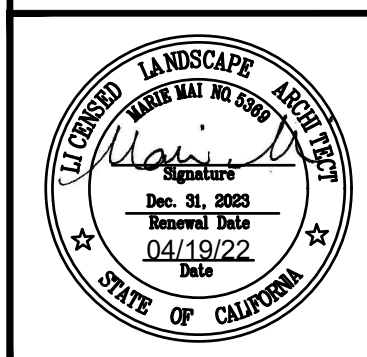
1 L3.3 TREES		BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
AGO FLE		AGONIS FLEXUOSA / PEPPERMINT TREE	24" BOX	LOW	
2 L3.3 SHRUBS		BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
CAL YIM		CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEeping BOTTLEBRUSH	5 GAL	LOW	36" o.c.
COL SUN		COLEONEMA PULCHELLUM 'SUNSET GOLD' / SUNSET GOLD BREATH OF HEAVEN	5 GAL	LOW	48" o.c.
DIE VEG		DIETES VEGETA / AFRICAN IRIS	5 GAL	LOW	48" o.c.
NAN HAR		NANDINA DOMESTICA 'HARBOUR DWARF' / HARBOUR DWARF HEAVENLY BAMBOO	5 GAL	LOW	36" o.c.
PHO PLA		PHORMIUM X 'PLATT'S BLACK' / PLATT'S BLACK NEW ZEALAND FLAX	5 GAL	LOW	36" o.c.
RHA PNK		RHAPHIOLEPIS INDICA 'PINKIE' / PINKIE INDIAN HAWTHORN	5 GAL	LOW	48" o.c.
SAL LEU		SALVIA LEUCANTHA / MEXICAN BUSH SAGE	5 GAL	LOW	72" o.c.
3 L3.3 GROUND COVERS		BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
		ACACIA REDOLENS 'LOW BOY' / LOW BOY BANK CATCLAW	5 GAL	LOW	96" o.c.
		CISTUS SALVIFOLIUS 'PROSTRATUS' / SAGELEAF ROCKROSE	5 GAL	LOW	72" o.c.
		COPROSMA KIRKII / CREEPING MIRROR PLANT	5 GAL	LOW	72" o.c.
		COTONEASTER DAMMERI 'LOWFAST' / LOWFAST BEARBERRY COTONEASTER	5 GAL	LOW	96" o.c.
		JUNIPERUS HORIZONTALIS / CREEPING JUNIPER	5 GAL	LOW	96" o.c.
		LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA	5 GAL	LOW	48" o.c.

ANTON WAY



STEVENS CREEK BLVD.

FOR PLANTING LEGEND AND NOTES SEE SHEET L2.0



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CALA Project No. 21056

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REVISIONS		DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE	

## IMPROVEMENT PLANS FOR MEMORIAL PARK PONDS REPURPOSING PROJECT PLANTING PLAN

CUPERTINO

CALIFORNIA

FOR CITY OF CUPERTINO USE  
PROJECT # 2022-003  
PUBLIC WORKS INSPECTOR: KEVIN REIDEN  
VOICE MAIL: (408) 777-3104  
PROJECT ENGINEER  
NAME \_\_\_\_\_ DATE \_\_\_\_\_



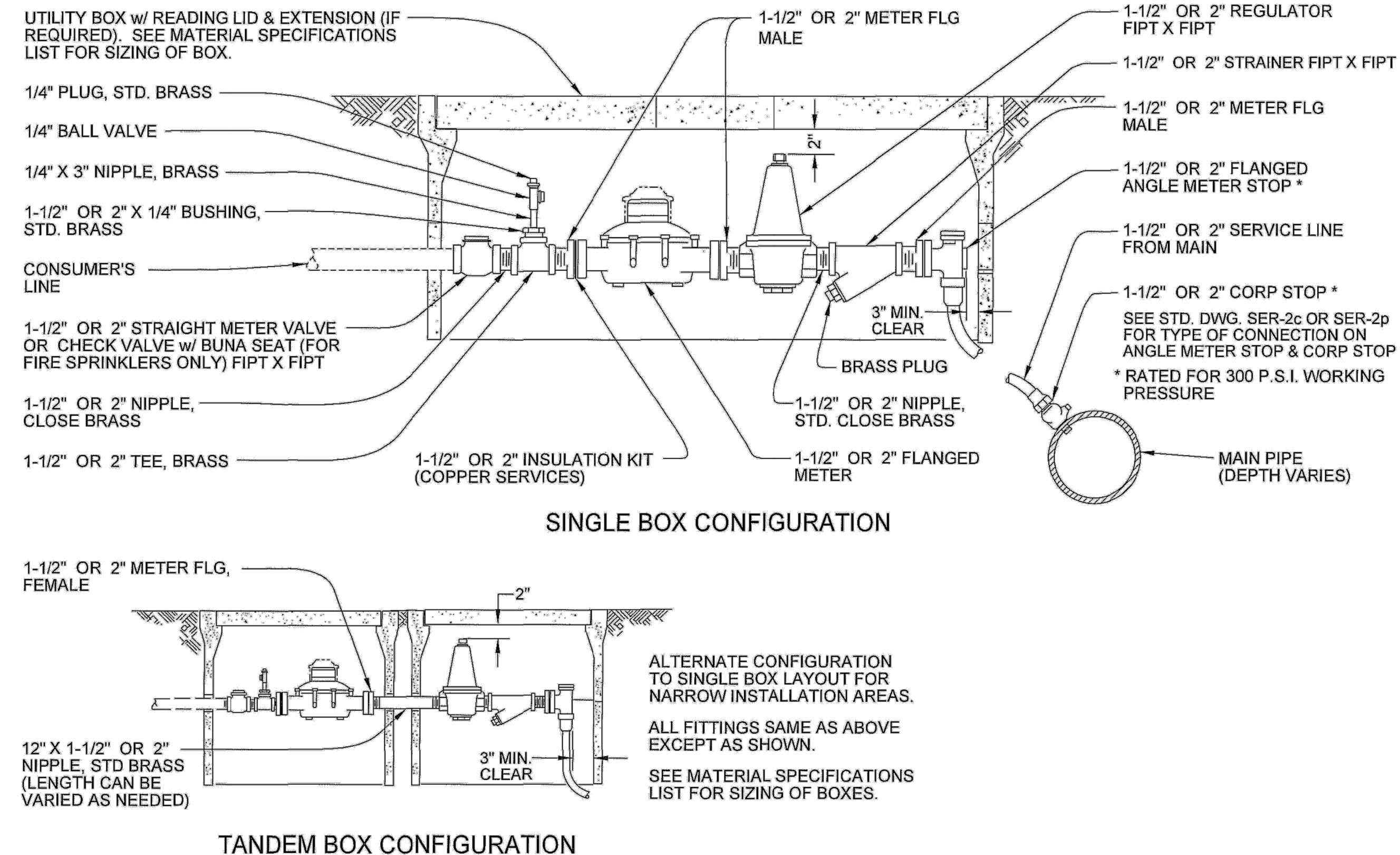
**CITY OF CUPERTINO**

**L2.1**

SHEET 18 OF 22



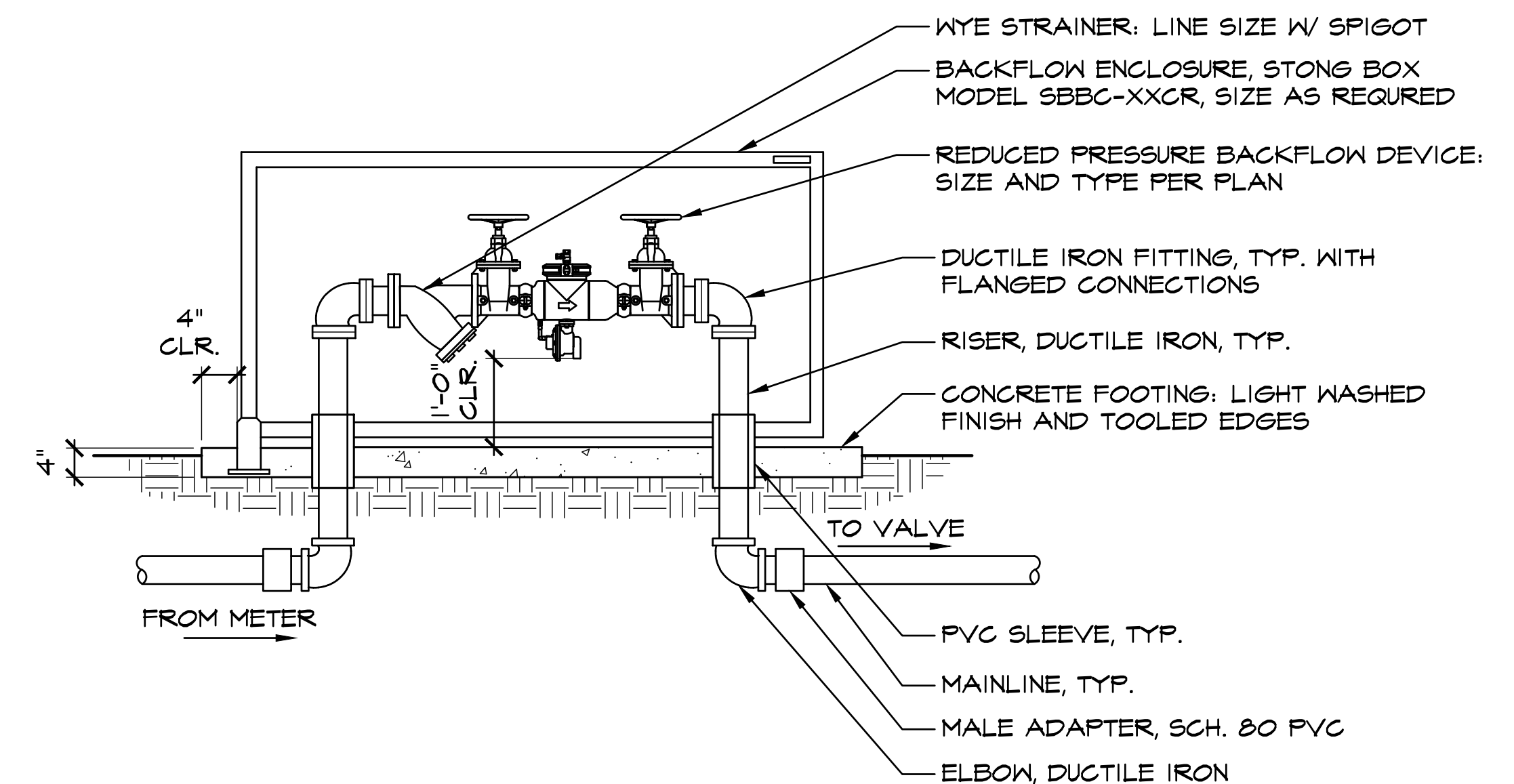
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT ARE NEARBY. CONTRACTOR SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES INVOLVED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



**1**  
**L3.0** **WATER SERVICE**  
**SECTION - SAN JOSE WATER CO. STANDARD DETAIL SER-2r**

N.T.S.

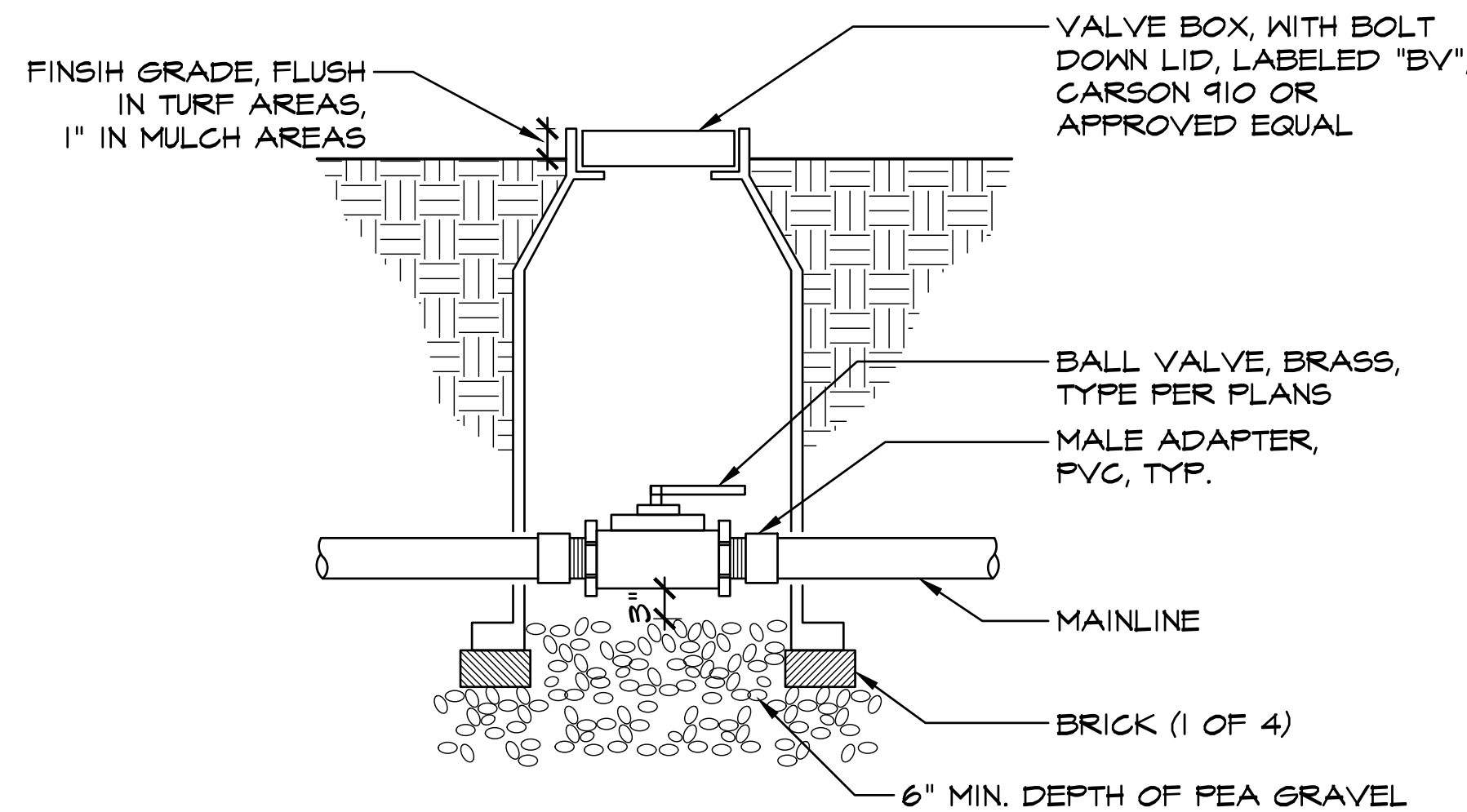
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**2**  
**L3.0** **BACKFLOW PREVENTER**  
**SECTION**

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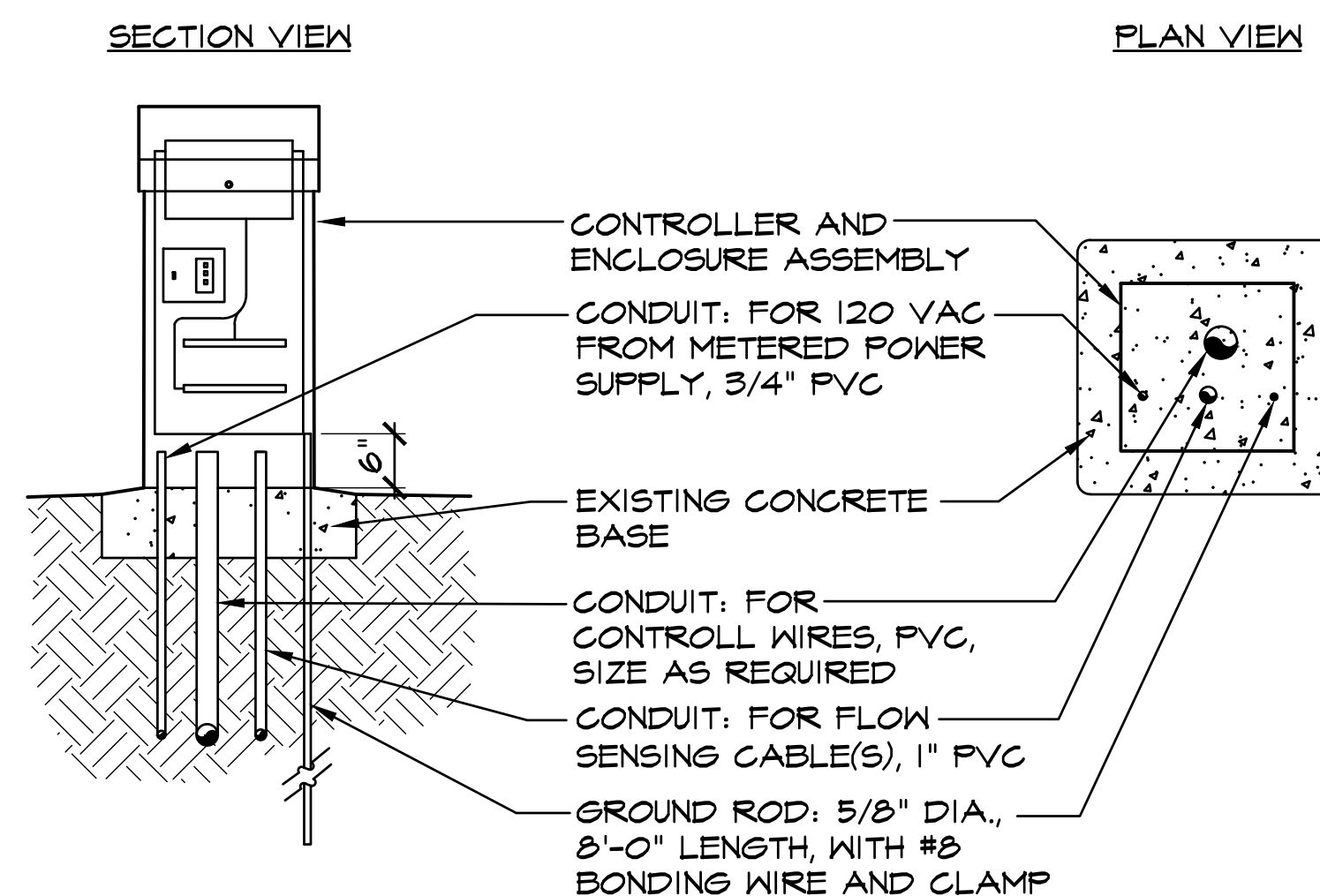
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**3**  
**L3.0** **BALL VALVE**  
**SECTION**

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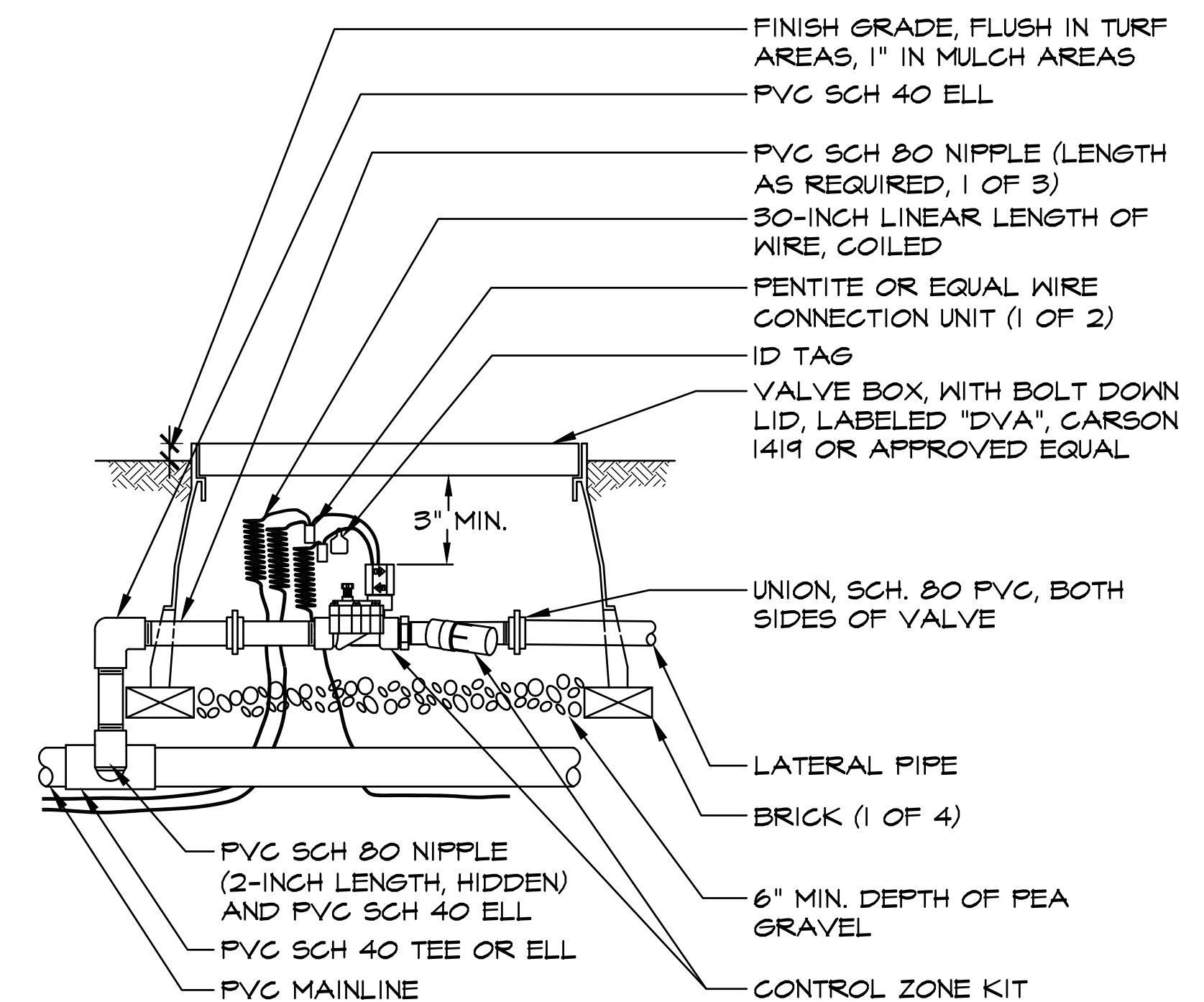
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**4**  
**L3.0** **IRRIGATION CONTROLLER**  
**PLAN AND SECTION**

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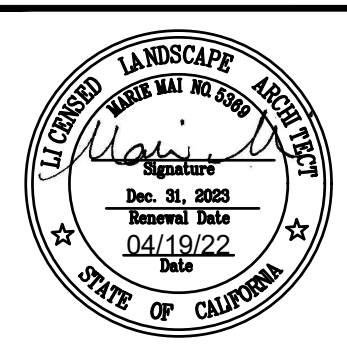
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**5**  
**L3.0** **DRIP CONTROL ZONE**  
**SECTION**

N.T.S.

21056\_DripValve\_1.dwg



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		REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE
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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**LANDSCAPE DETAILS**

CUPERTINO

CALIFORNIA

FOR CITY OF CUPERTINO USE  
**PROJECT # 2022-003**  
PUBLIC WORKS INSPECTOR: **KEVIN REIDEN**  
VOICE MAIL: **(408) 777-3104**  
PROJECT ENGINEER  
NAME \_\_\_\_\_ DATE \_\_\_\_\_



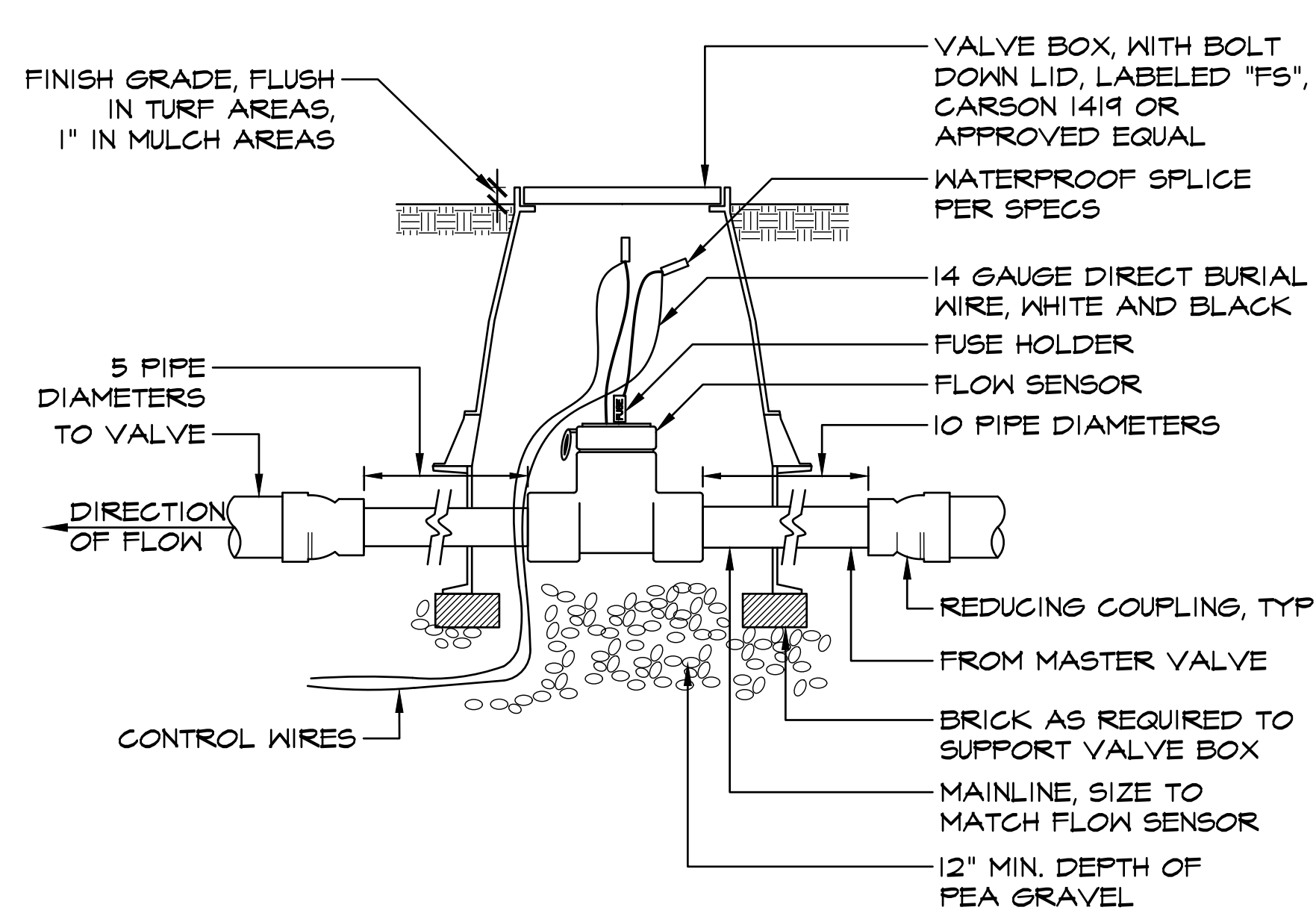
**CITY OF CUPERTINO**

**L3.0**

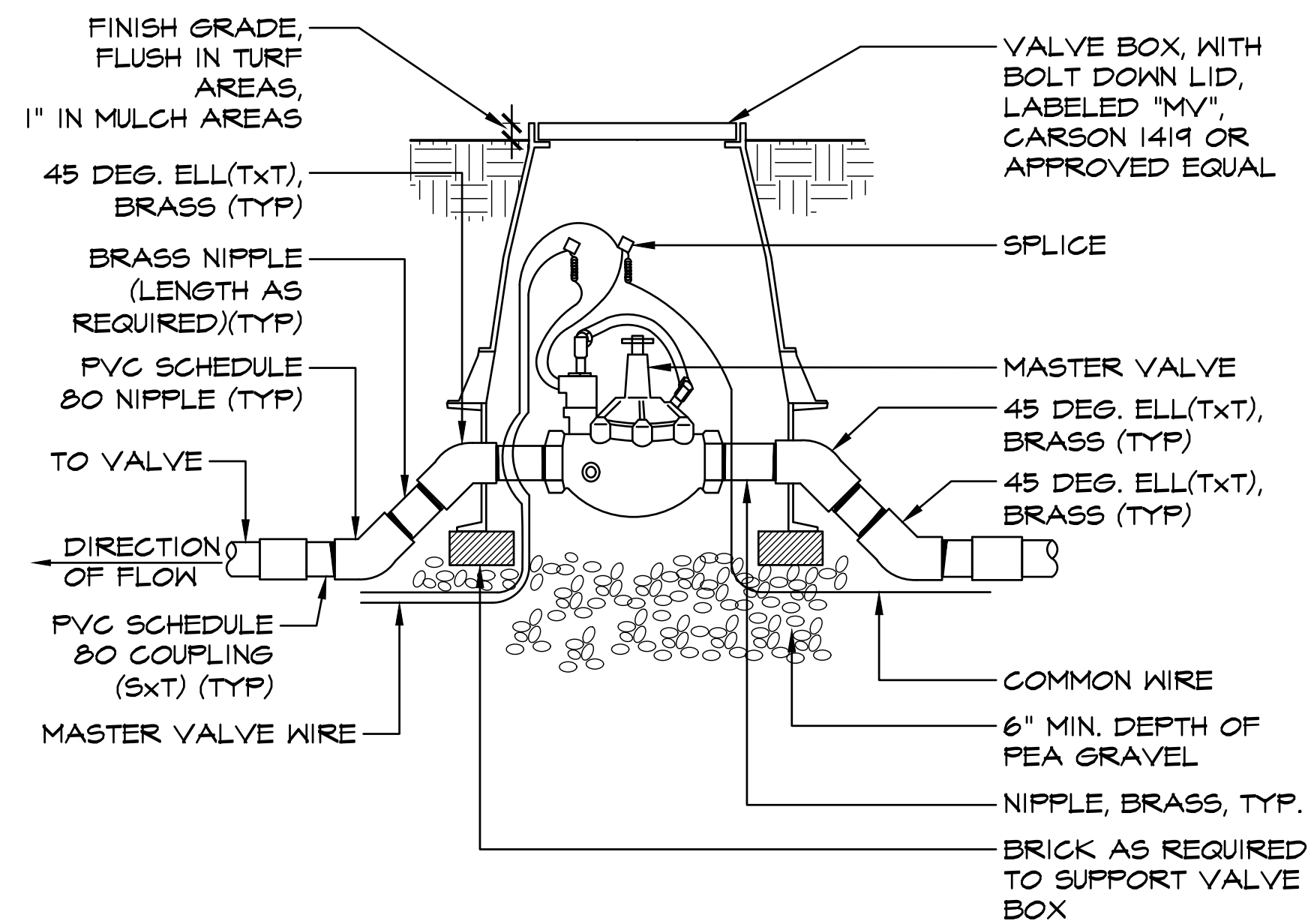
SHEET 19 OF 22



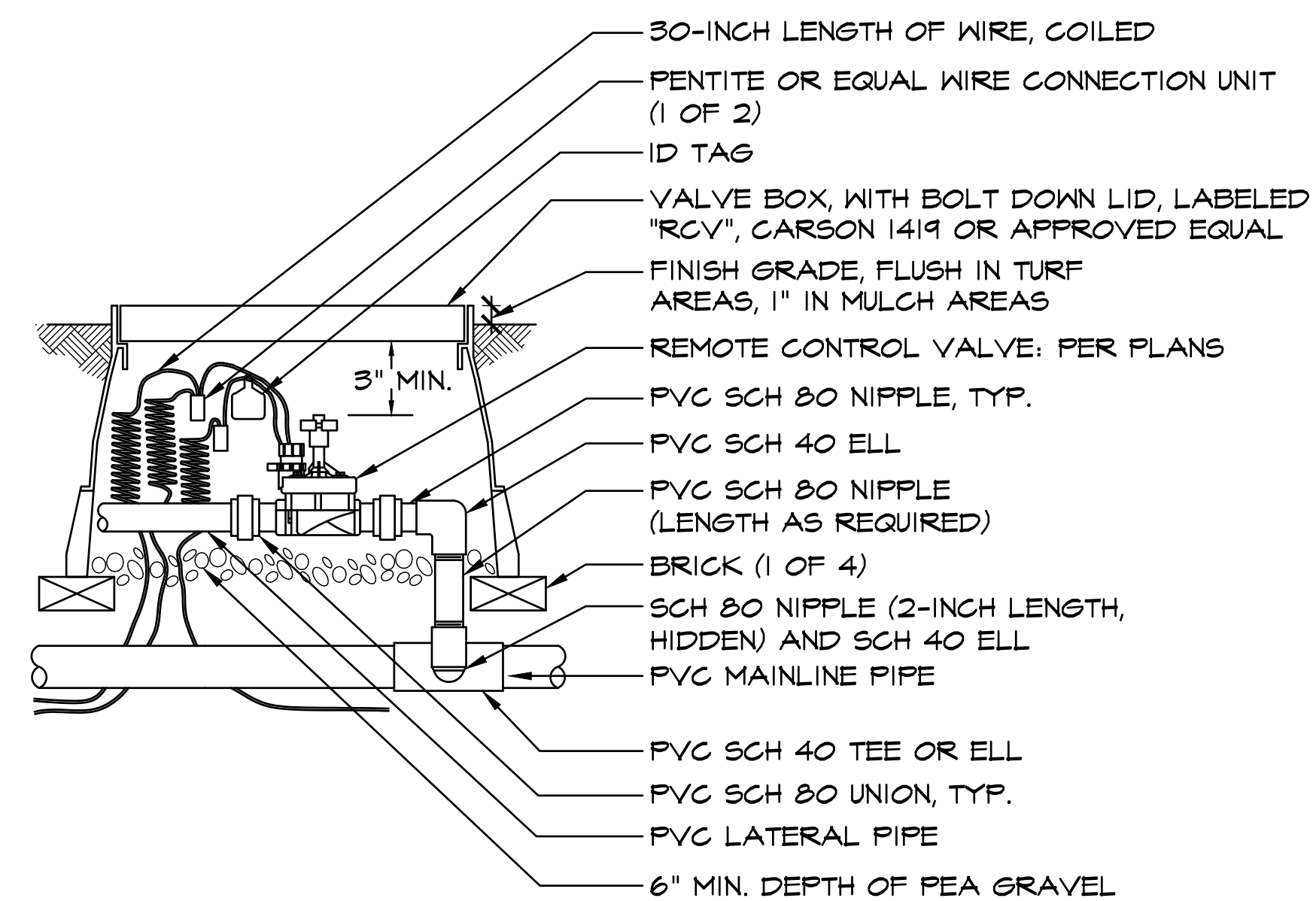
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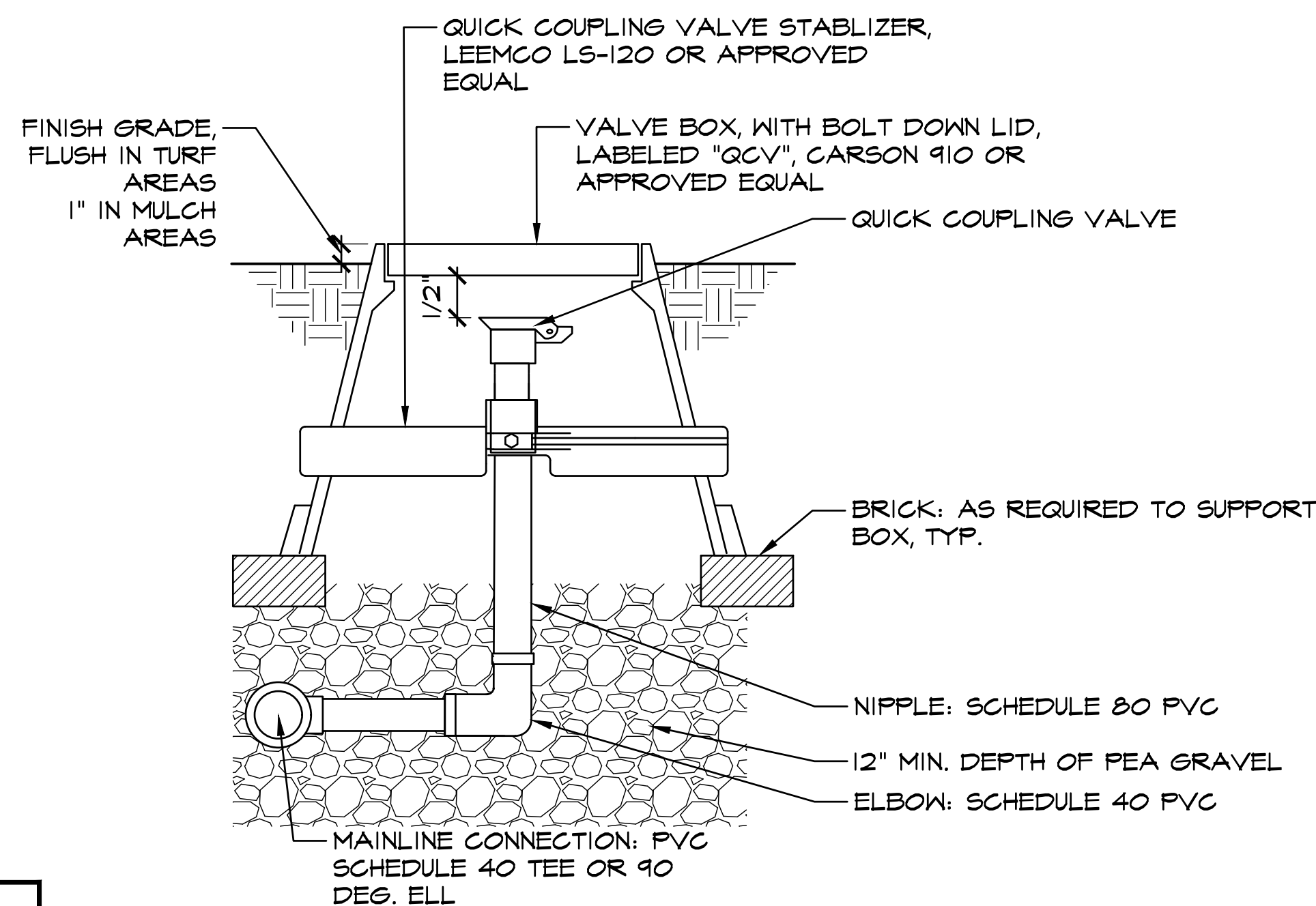
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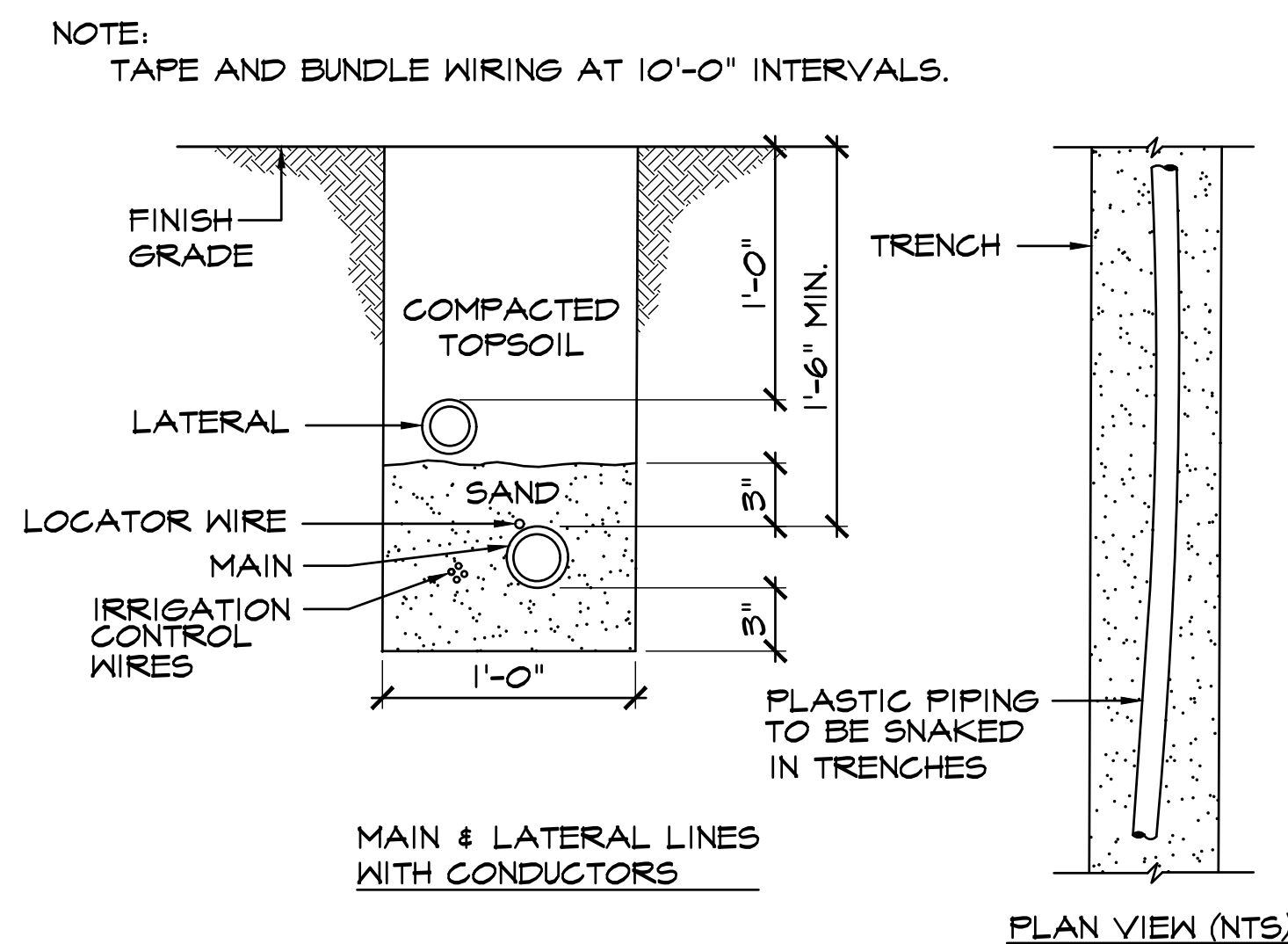
**2** **MASTER VALVE SECTION** N.T.S.  
 L3.1 21056\_MasterValve\_40.dwg



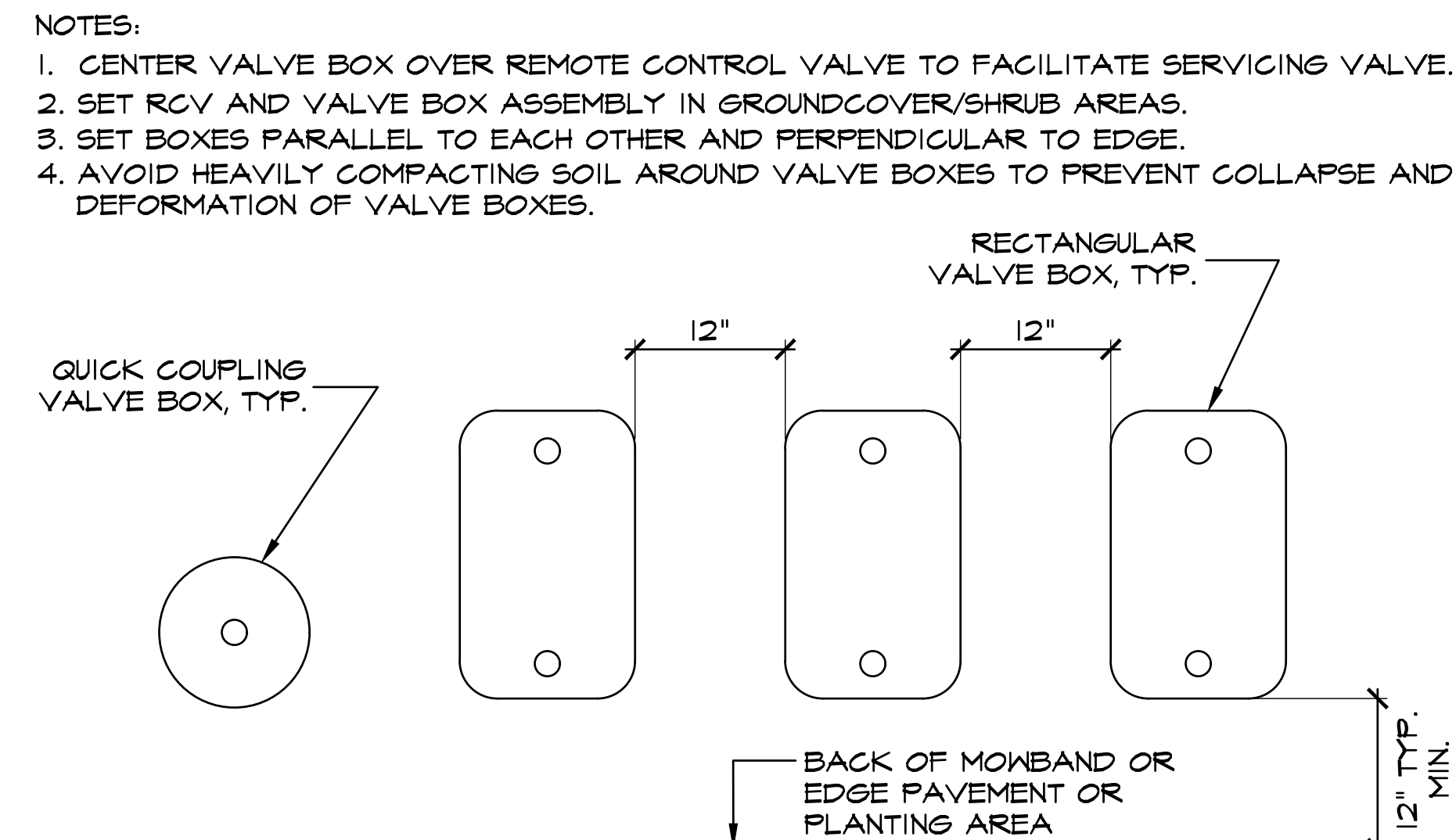
**3** **REMOTE CONTROL VALVE SECTION** N.T.S.  
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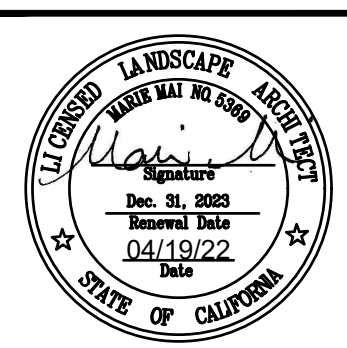
**4** **QUICK COUPLER SECTION** N.T.S.  
 L3.1 21056\_QuickCouplingValve\_4.dwg



**5** **IRRIGATION TRENCHING PLAN AND SECTION** N.T.S.  
 L3.1 21056\_IrrigationTrenching\_8.dwg



**6** **VALVE BOX LAYOUT SECTION** N.T.S.  
 L3.1 21056\_MasterVbox\_12.dwg



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IMPROVEMENT PLANS FOR  
**MEMORIAL PARK PONDS REPURPOSING PROJECT**  
**LANDSCAPE DETAILS**

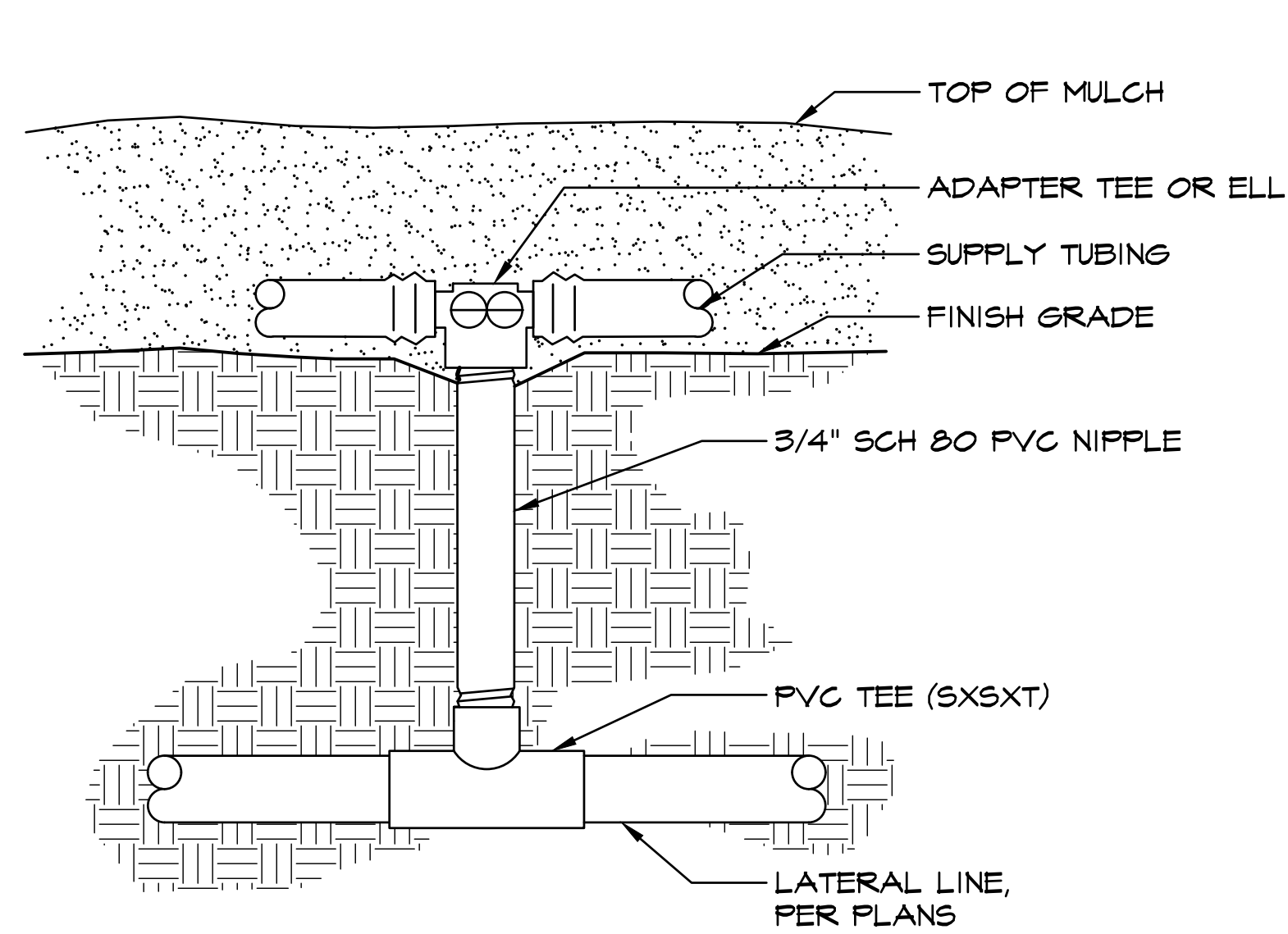
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 VOICE MAIL: (408) 777-3104  
 PROJECT ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_



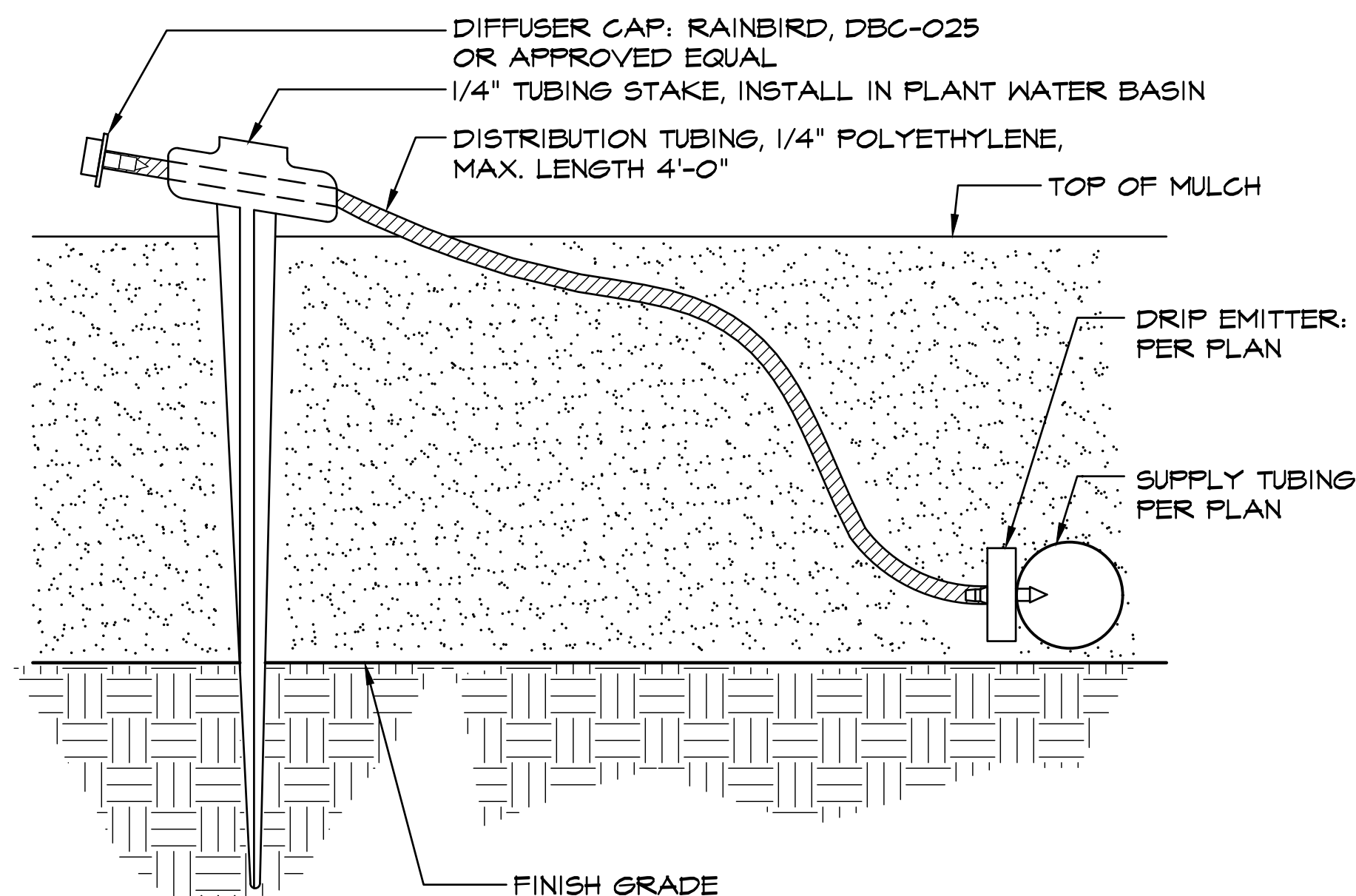
**CITY OF CUPERTINO**  
**L3.1**



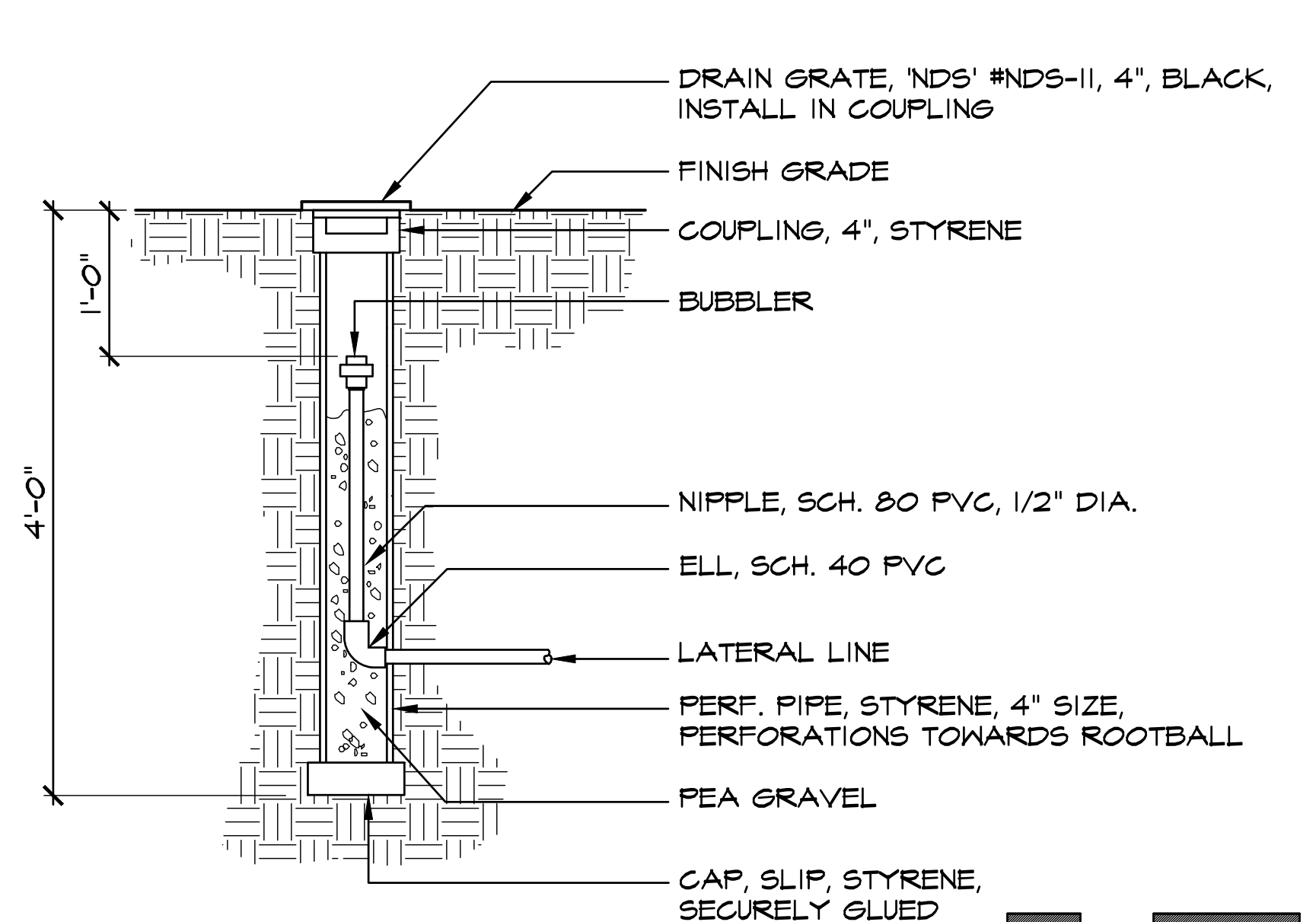
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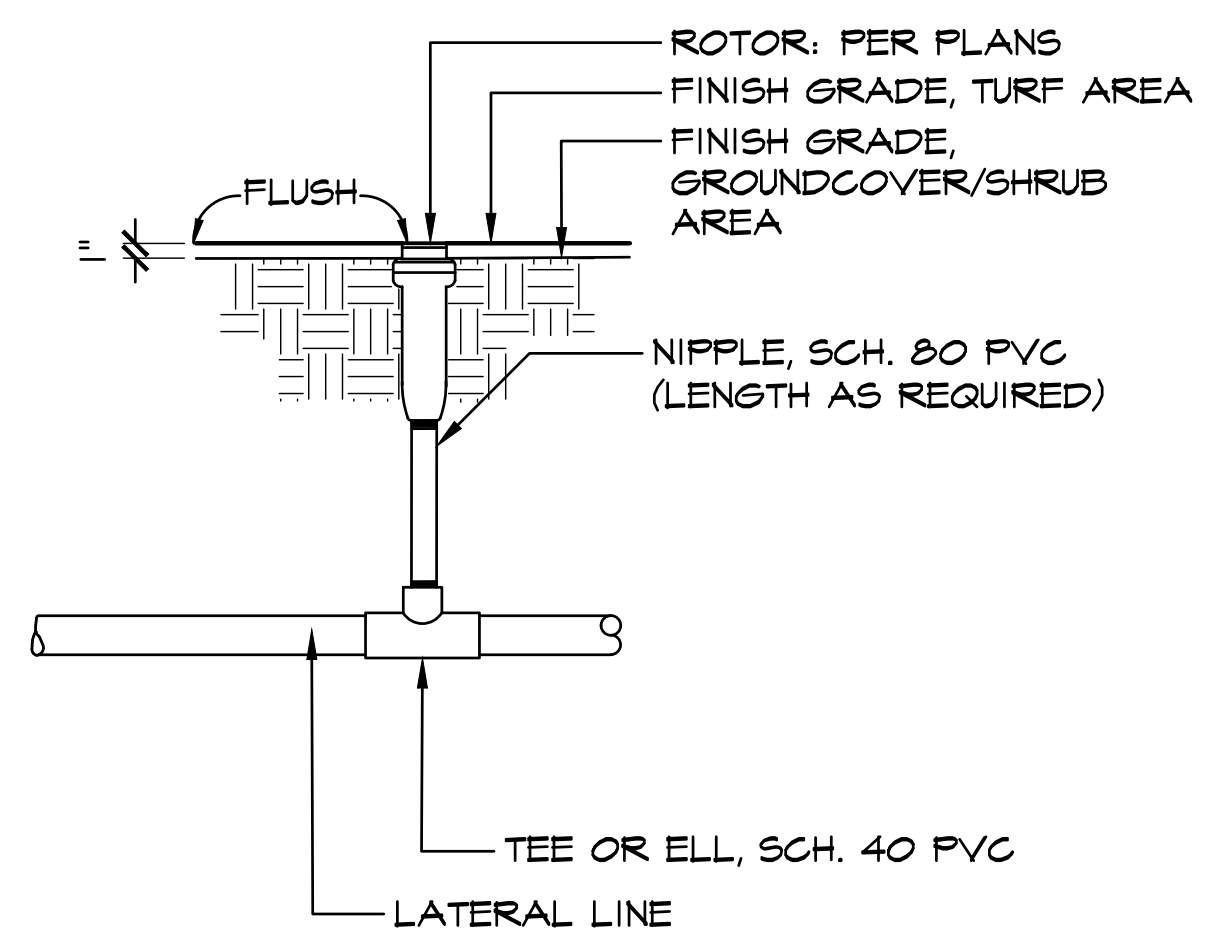
**1**  
**L3.2** LATERAL/TUBING CONNECTION SECTION N.T.S.  
21056\_LateralTubingAdapter\_1.dwg



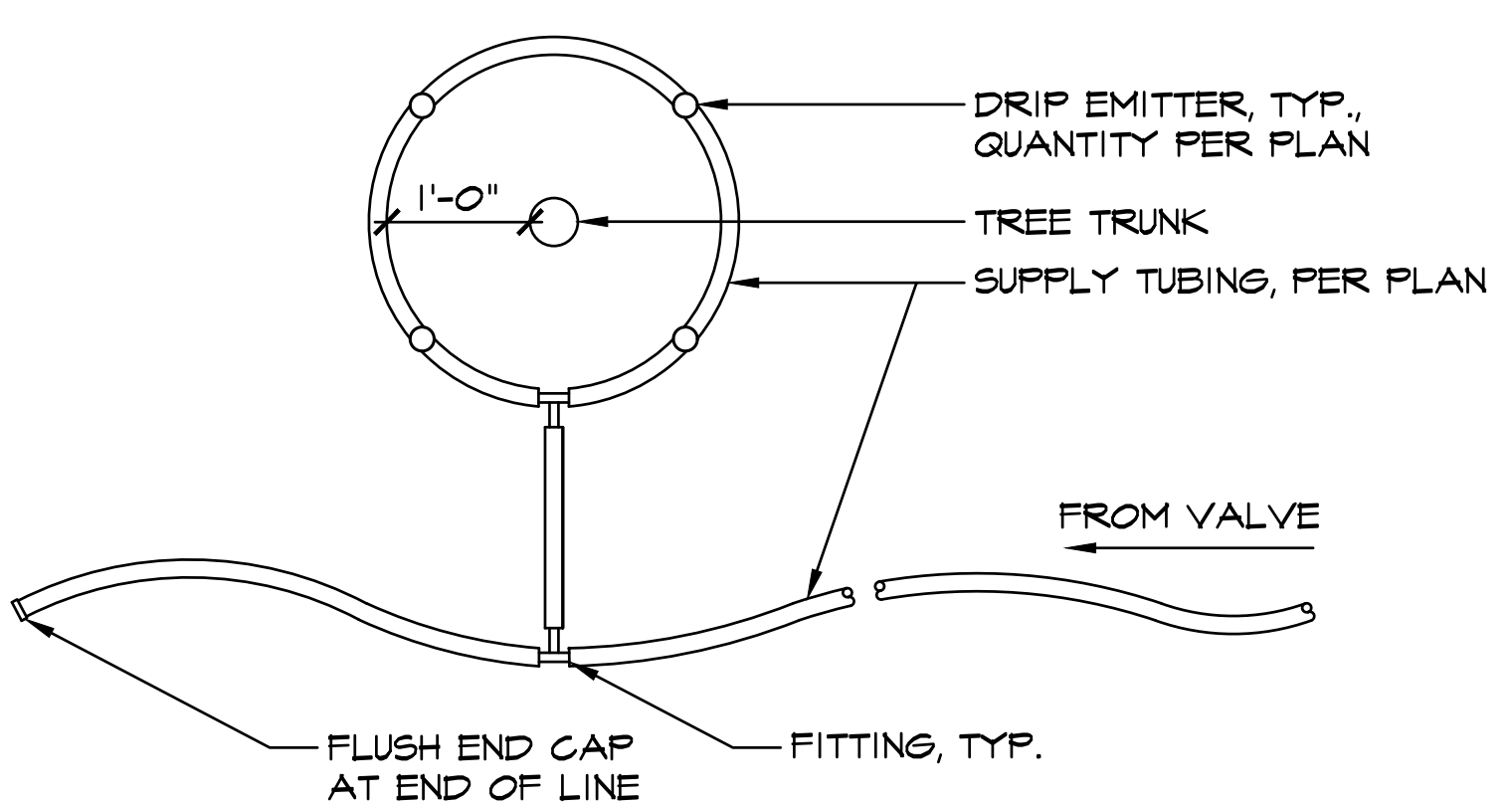
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**L3.2** DRIP EMITTER ASSEMBLY SECTION N.T.S.  
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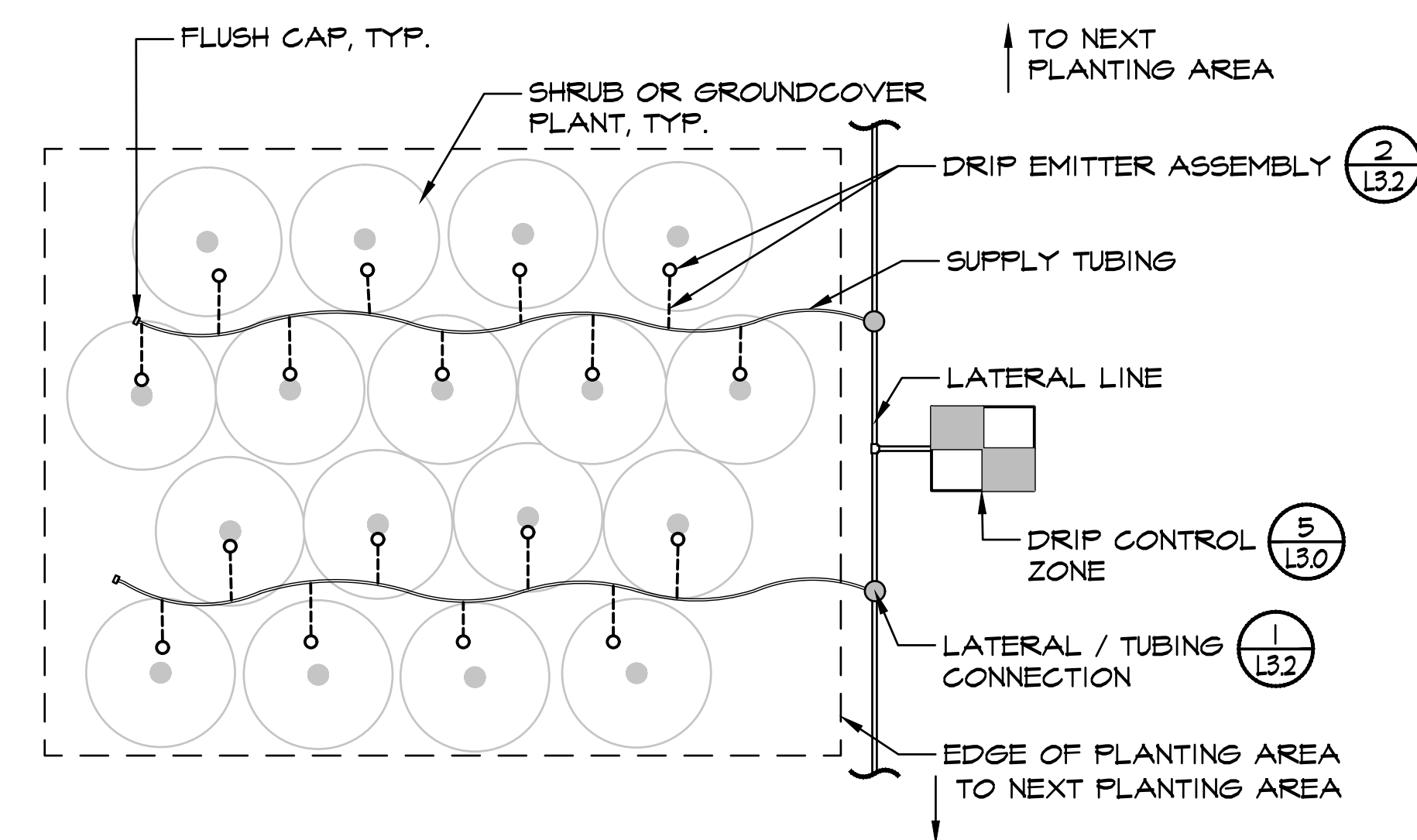
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**L3.2** TREE BUBBLER SECTION  
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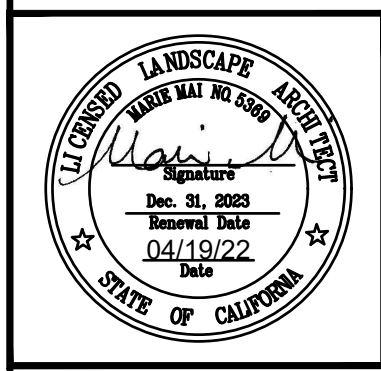
**4**  
**L3.2** ROTOR SECTION  
21056\_Sprayhead\_48.dwg



**5**  
**L3.2** DRIP IRRIGATION AT TREE PLAN  
21056\_TreeVineDripIrrigation\_8.dwg



**6**  
**L3.2** DRIP EMITTER LAYOUT PLAN  
21056\_DripEmitter\_Layout\_48.dwg



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IMPROVEMENT PLANS FOR  
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**LANDSCAPE DETAILS**  
 CUPERTINO CALIFORNIA

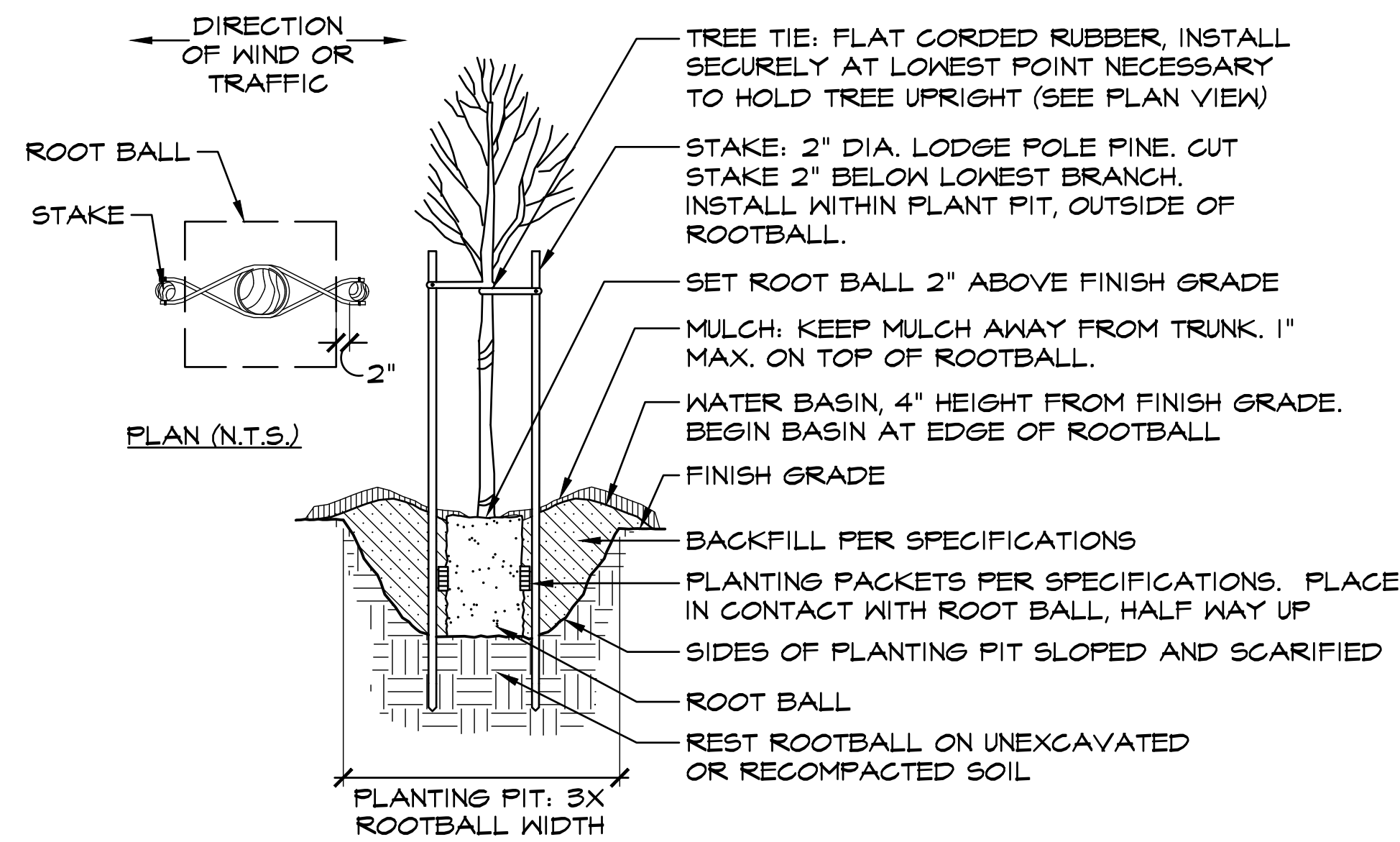
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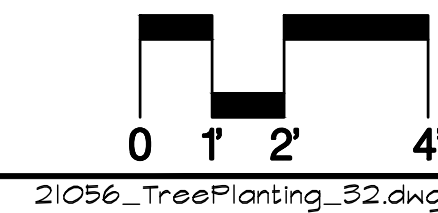
**CITY OF CUPERTINO**  
**L3.2**  
 SHEET 21 OF 22



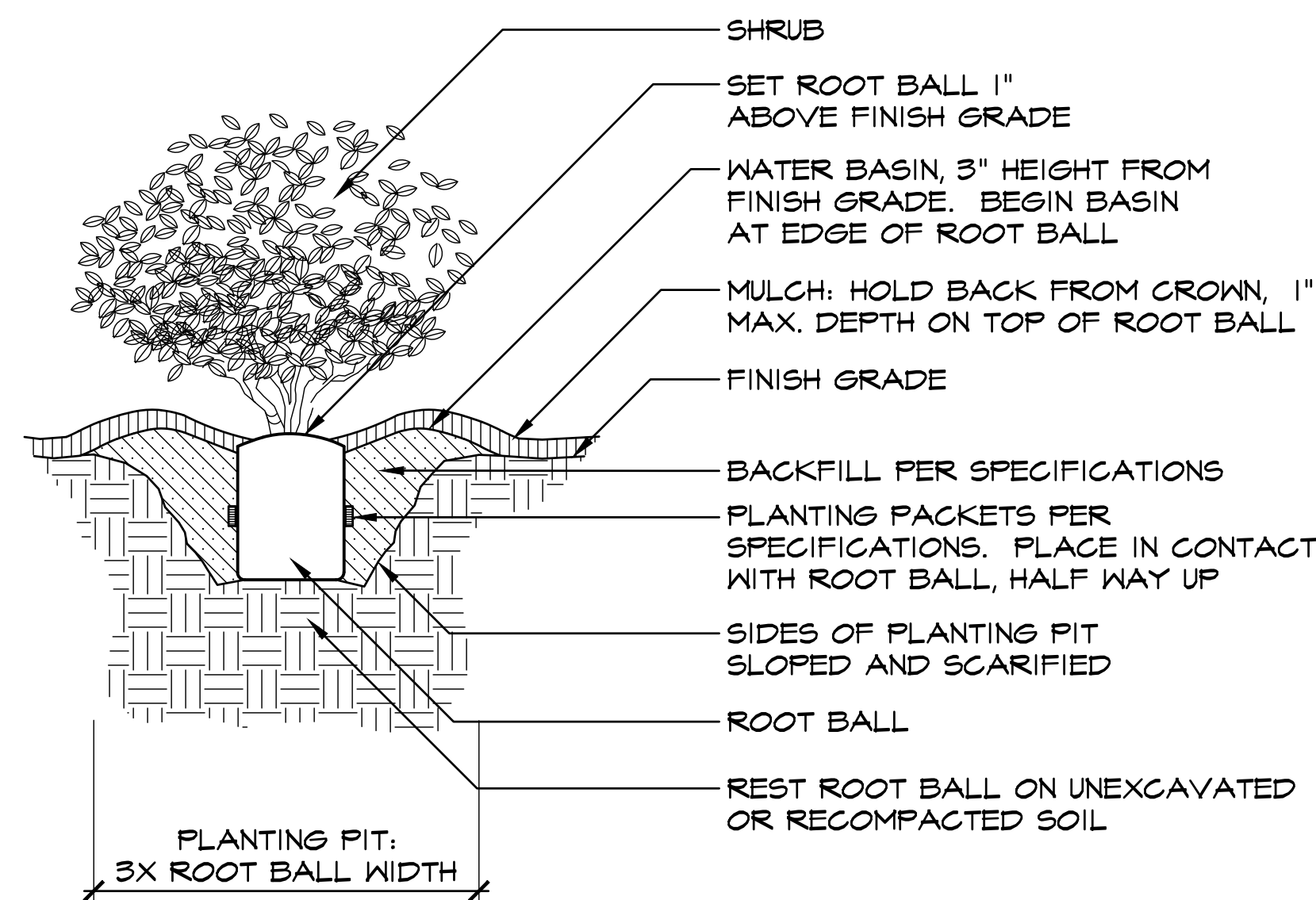
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**L3.3** TREE PLANTING SECTION

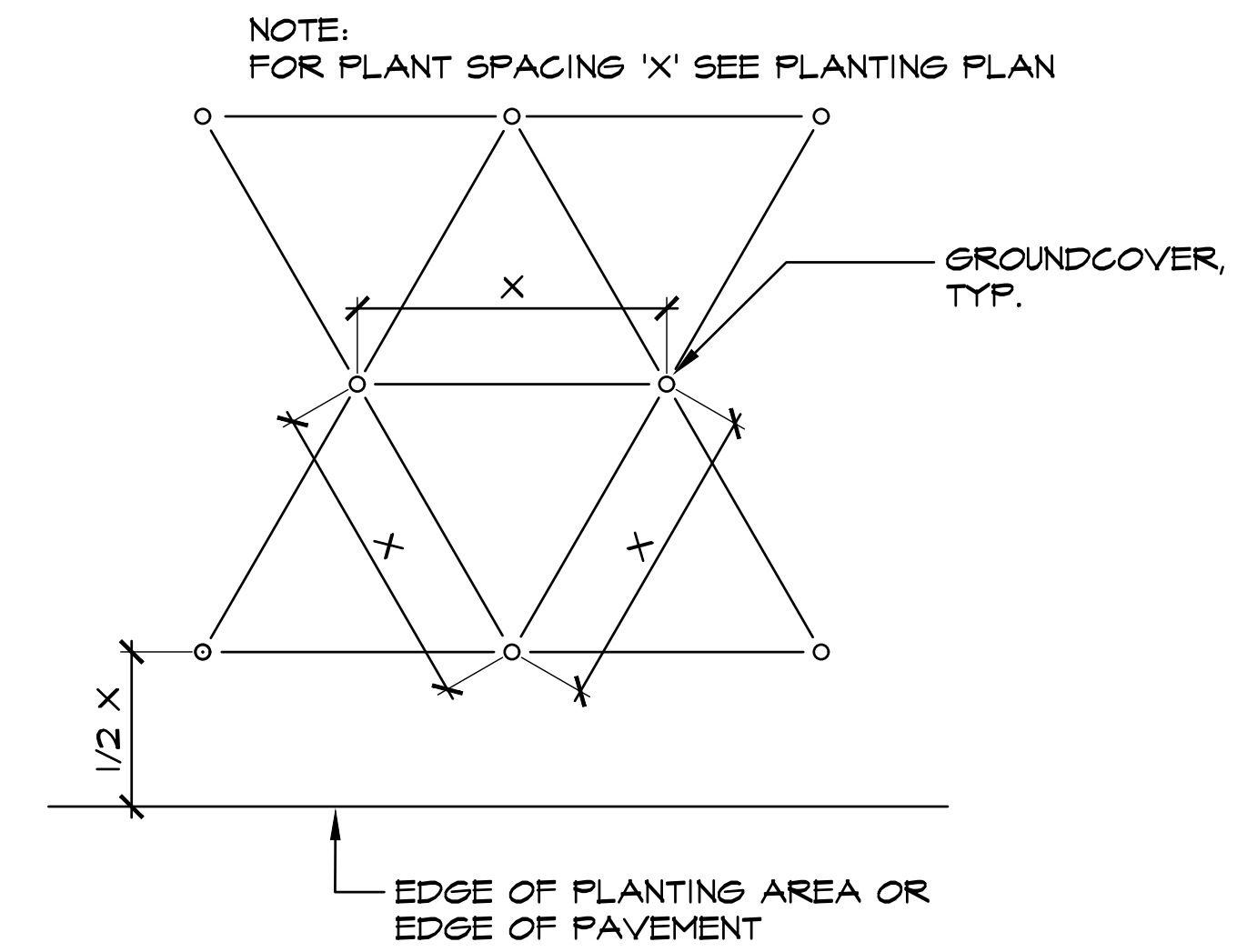


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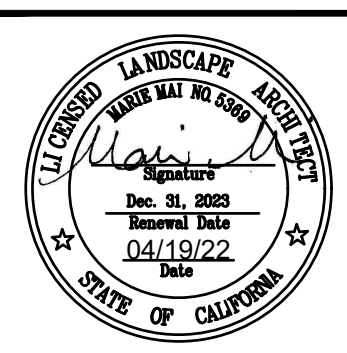
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**L3.3** SHRUB PLANTING SECTION

N.T.S.  
21056\_ShrubPlanting\_48.dwg



**3**  
**L3.3** GROUNDCOVER SPACING PLAN

N.T.S.  
21056\_GroundcoverSpacing\_48.dwg



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CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE  
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CITY OF CUPERTINO

L3.3

SHEET 22 OF 22