

VICINITY MAP



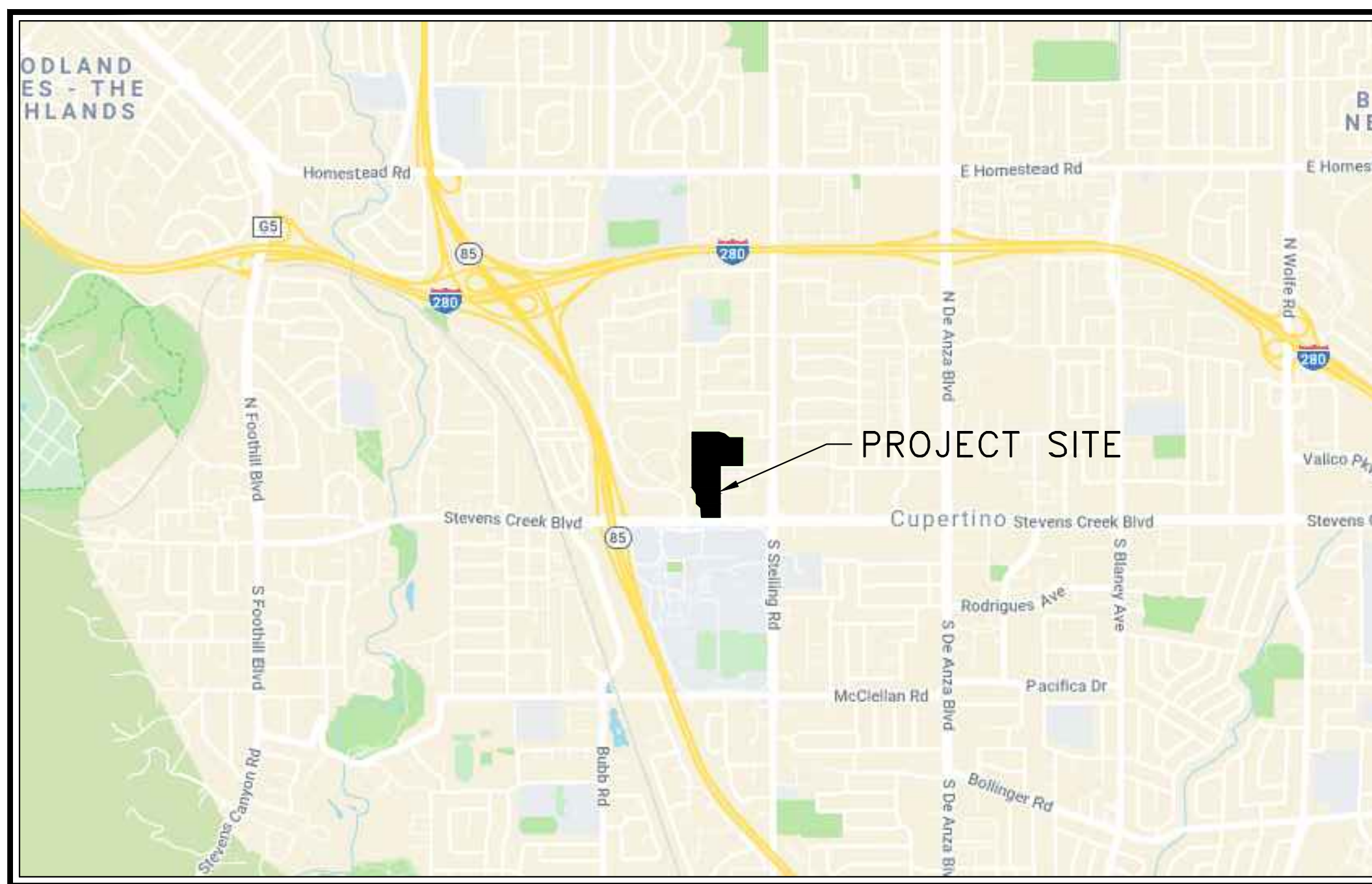
MEMORIAL PARK PONDS REPURPOSING PROJECT NO. 2022-03 CUPERTINO, CALIFORNIA

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
⊙	EXISTING SURVEY POINT



SITE MAP

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
C5.2	IMPROVEMENT PLAN	L3.0	LANDSCAPE DETAILS
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:  6/8/2022
 CHAD MOSLEY RCE 66077 DATE
 PUBLIC WORKS
 INSPECTOR

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			

REVISIONS

DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE

IMPROVEMENT PLANS FOR MEMORIAL PARK PONDS REPURPOSING PROJECT COVER SHEET

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 ARE NOT TO 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:

- 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.
- 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.
- 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".
- Install a 5-inch layer of mulch within the TPZ to aid in retaining moisture.
- 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.
- The Contractor shall cause the required fencing and signage to be installed and maintained for the duration of the construction.
- 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.
- 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.
- 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.
- Tree Attachments: No signs, wires or other attachments, other than those of a protective nature, shall be attached to any protected tree.
- 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.
- 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.
- 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.
- Impervious Paving: No paving with asphalt, concrete or other impervious materials shall be placed within the limits of the TPZ of a protected tree.
- 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.
- 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: *[Signature]* DATE: 5/27/2020 6-2
City Engineer

Note:
1- See Tree Protection Requirements (Detail 6-2) for additional tree protection requirements.
2- If there is no existing irrigation, see Tree Protection Requirements for watering requirements.
3- No pruning shall be performed except by approved arborist.
4- Use of this detail in lieu of Detail 6-4 may only be acceptable where installation of fencing will restrict ingress and egress of public streets, sidewalks or pathways that are to remain open. Approval by the Director of Public Works, or his or her designee, is required prior to use of this standard.

Wrap tree with 2x4 boards and wire against trunk.

CITY OF CUPERTINO STANDARD DETAIL Approved By: *[Signature]* Date 5/27/2020 6-3
City Engineer

Tree Protection Area shall be 6 times the DBH of the tree in all directions from the face of the trunk.

Notes:
1- See Tree Protection Requirements (Detail 6-2) for additional tree protection requirements.
2- If there is no existing irrigation, see Tree Protection Requirements for watering requirements.
3- No pruning shall be performed except by an approved arborist.
4- No equipment shall operate inside the protective fencing including during fence installation and removal.
5- Any modification must be approved by the Director of Public Works.

Tree Protection fence: 4' High, clearly visible, mounted on steel posts installed at 8' on center.
2" x 6' steel posts or approved equal driven into the ground.
5" thick layer of mulch.
Maintain existing grade with the tree protection fence unless otherwise approved by the city.

8.5" x 11" sign laminated in plastic. A minimum of one sign for each facing direction of the fence.
4'-0"

KEEP OUT TREE PROTECTION AREA

City of Cupertino Standard Detail Approved By: *[Signature]* Date 5/27/2020 6-4
City Engineer

2 TREE PROTECTION DETAIL
SCALE: NOT TO SCALE

3 TREE PROTECTION DETAIL
SCALE: NOT TO SCALE

1 TREE PROTECTION REQUIREMENTS
SCALE: NOT TO SCALE

COBBLESTONE APPLICATION MISC/NON PAVED APPLICATIONS

COBBLES, MATCH EXISTING THICKNESS
CLASS II AGGREGATE BASE THICKNESS VARIES. MATCH EXISTING THICKNESS (10" MIN).
CLASS 1, TYPE 'A' BEDDING OR SAND AS APPROVED BY THE CITY ENGINEER.
VARIES
SOLID AND COATED 8 GAUGE COPPER TRACE WIRE
SEE NOTE 1.
TOP SOIL (SEE LS DRAWINGS FOR DETAIL)
STRUCTURAL BACKFILL VARIES
12" MIN.
BEDDING MATERIAL
O.D./8 (6" MIN)
PIPE O.D. VARIES
X

NOTES:
1. 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 Q3017. CONTRACTOR SHALL VERIFY SUITABILITY OF NATIVE BACKFILL PRIOR TO BEGINNING CONSTRUCTION.
2. 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

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY: *[Signature]* DATE: 5/27/2020 6-2
City Engineer

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

SEAL TRENCH EDGES BY SPRAY APPLICATION OF SS-III EMULSION AFTER FINISH ROLLING. APPLY SAND COAT TO EMULSION AFTER PLACEMENT.

TYPE 'A' - 1/2" MEDIUM CLASS A.C. AT 95% COMPACTION. 1.5" FINAL TOP LIFT THICKNESS. MATCH EXISTING THICKNESS. SEE NOTE 3.
TYPE 'A' - 3/4" MEDIUM CLASS BASE COURSE. MATCH EXISTING A.C. THICKNESS (1.5" MIN. SEE NOTE 3). A.C. WHEEL ROLLED AND TAMPED TO 95% COMPACTION.
CLEAN & TACK SIDES OF EXCAVATION AND BETWEEN COURSES. SPRAY AN APPLICATION OF SS-III EMULSION BEFORE PLACING A.C.

PIPE SIZE	LIMITS OF X	
	MINIMUM	MAXIMUM
24" OR LESS	4'	4' + O.D.
27" AND GREATER	6'	6' + O.D.

NOTES:
1) 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 Q3017. CONTRACTOR SHALL VERIFY SUITABILITY OF NATIVE BACKFILL PRIOR TO BEGINNING CONSTRUCTION.
2) IF EDGE OF TRENCH IS 3' OR LESS FROM THE LIP OF GUTTER, THE CONTRACTOR SHALL REPAVE TO THE LIP OF GUTTER.
3) NEW ASPHALT THICKNESS SHALL MATCH EXISTING ASPHALT THICKNESS (SEE DETAIL 6 ON SHEET C2.1 FOR AC PAVEMENT SECTION AND SCHEDULE).

EXISTING STREET TRENCH RESTORATION
TO BE USED FOR ALL PUBLIC STORM DRAIN PIPE REV 2/6/17

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY: *[Signature]* DATE: 2/13/17 4-24
CITY ENGINEER

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

16" TRENCH
(N) TURF FROM SOD, SEE LS PLANS AND DETAILS.
MIN. 6" LAYER OF SAND ON GEOTEXTILE FABRIC
RAISE EXISTING DRAINAGE INLET TO FINISHED GRADE
EXISTING DRAIN ROCK BACK FILL MATERIAL
EXISTING 6" PERFORATED PIPE
6" MIN. DRAIN ROCK TO BACK FILL OPENED SPACE.

NOTES:
1. EXISTING CONDITIONS BASED ON MEMORIAL PARK PHASE II AS-BUILTS.

6 DROP INLET TO FINISHED GRADE
SCALE: NOT TO SCALE

AC, CLASS B
1/2" MAX AGGREGATE
VARIES SEE LS PLAN
45' ROLL AND IRON
1" TYP AT PLANTING AREA
FINISHED GRADE
2" AC
6" CRUSHED ROCK
COMPACTED SUBGRADE, MATCH EXISTING THICKNESS

NOTES:
1. REFER TO AC PAVEMENT SCHEDULE.

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY: *[Signature]* DATE: 2/10/17 3-4
CITY ENGINEER

7 AC PAVEMENT SECTION
SCALE: NOT TO SCALE

PLAN
P.C. Concrete
C.I. Frame
Flow Line

SECTION
Flow Line

STANDARD 24" FLAT GRATE DROP INLET

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY: *[Signature]* DATE: 2/10/17 3-4
CITY ENGINEER

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

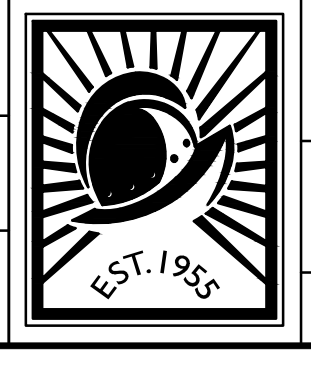
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CIVIL ENGINEERS • SURVEYORS • CONSTRUCTION MANAGERS
150 Executive Park Blvd
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(415) 534-7070 • www.freyerlaureta.com

Date: 04/19/22
Scale: NONE
Designed: IRP/LFH
Drawn: IRP/MCM/KDP
Checked: LFH
Proj. Engr: R.J.L.
File: 328001

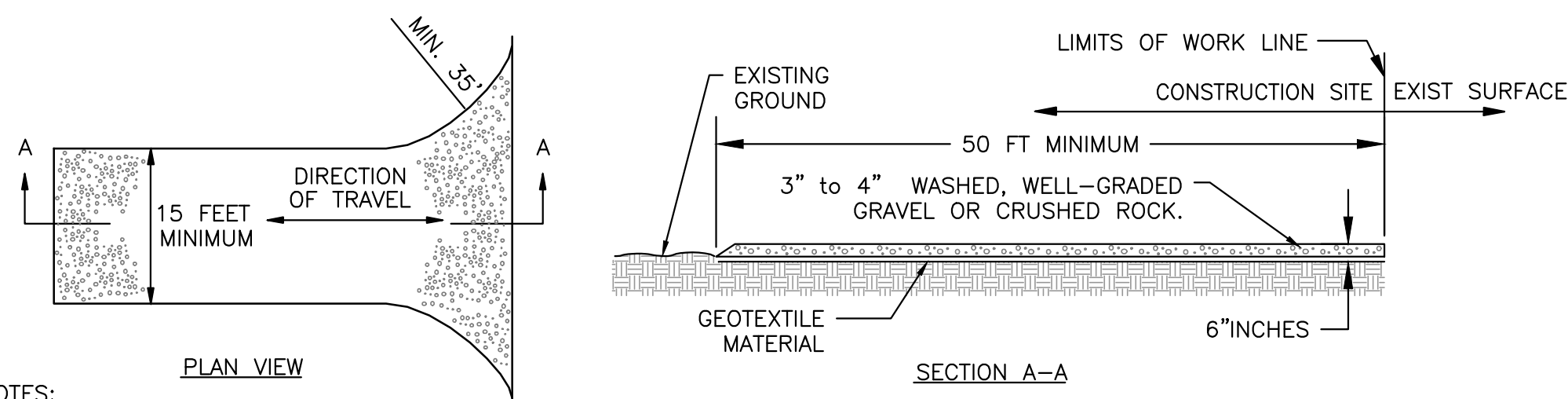
REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE
	KDP	6/03/22		
	IRP	4/19/22		

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

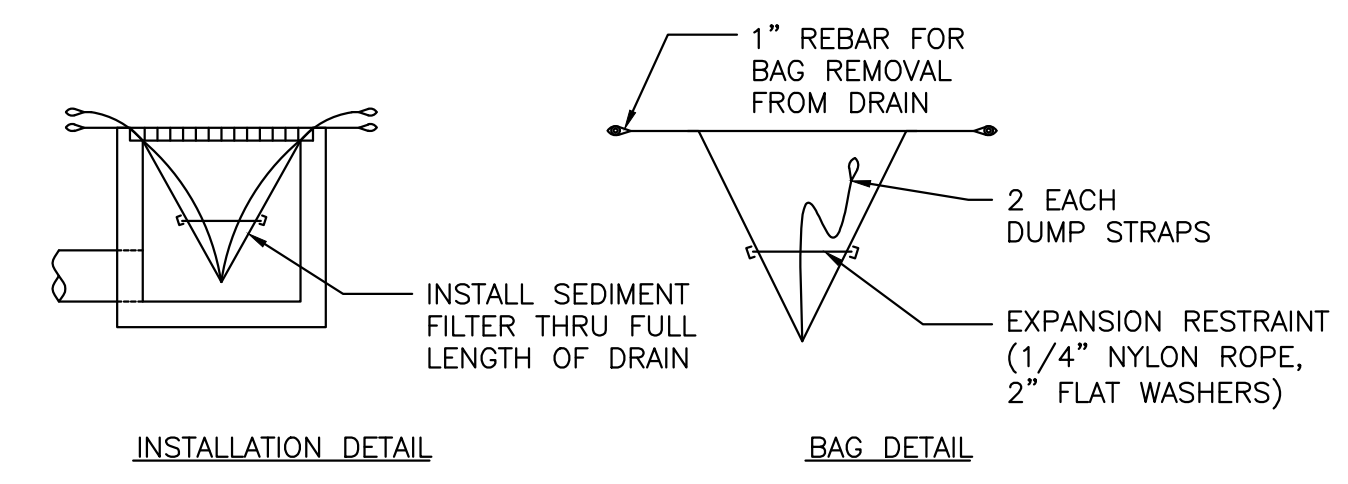


CITY OF CUPERTINO
SHEET C2.1
SHEET 2 OF 22



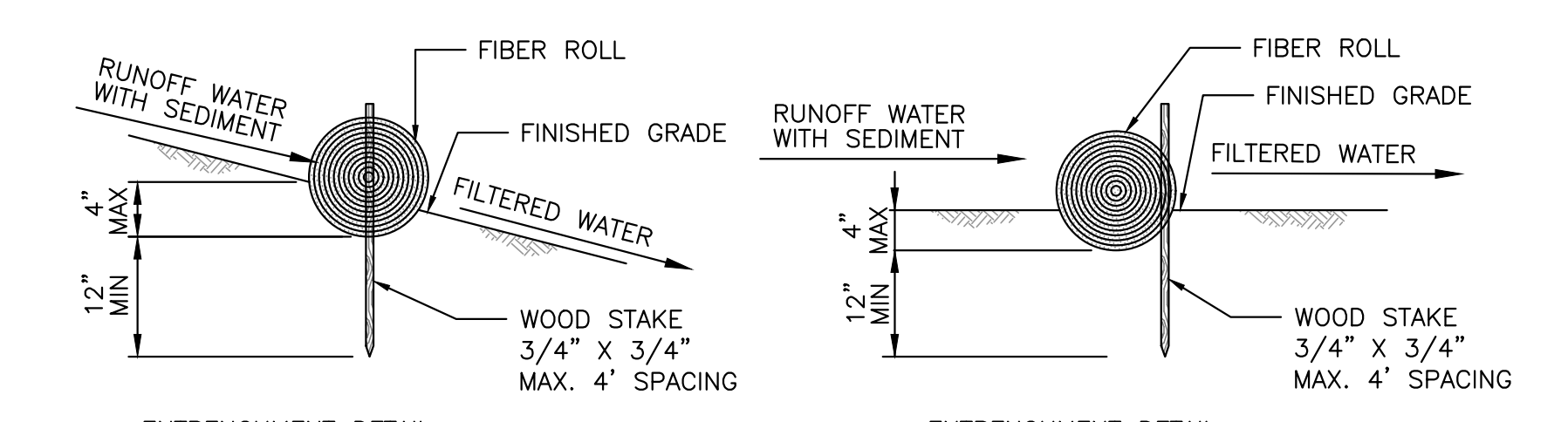
- NOTES:**
- STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED
 - OF 3" TO 4" (76 MM TO 102 MM) WASHED, WELL-GRADED GRAVEL OR CRUSHED ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6 INCHES (150 MM).
 - LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET (15 METERS). WIDTH SHALL BE A MIN. 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.

1 STABILIZED CONSTRUCTION ENTRANCE DETAIL
SCALE: NOT TO SCALE



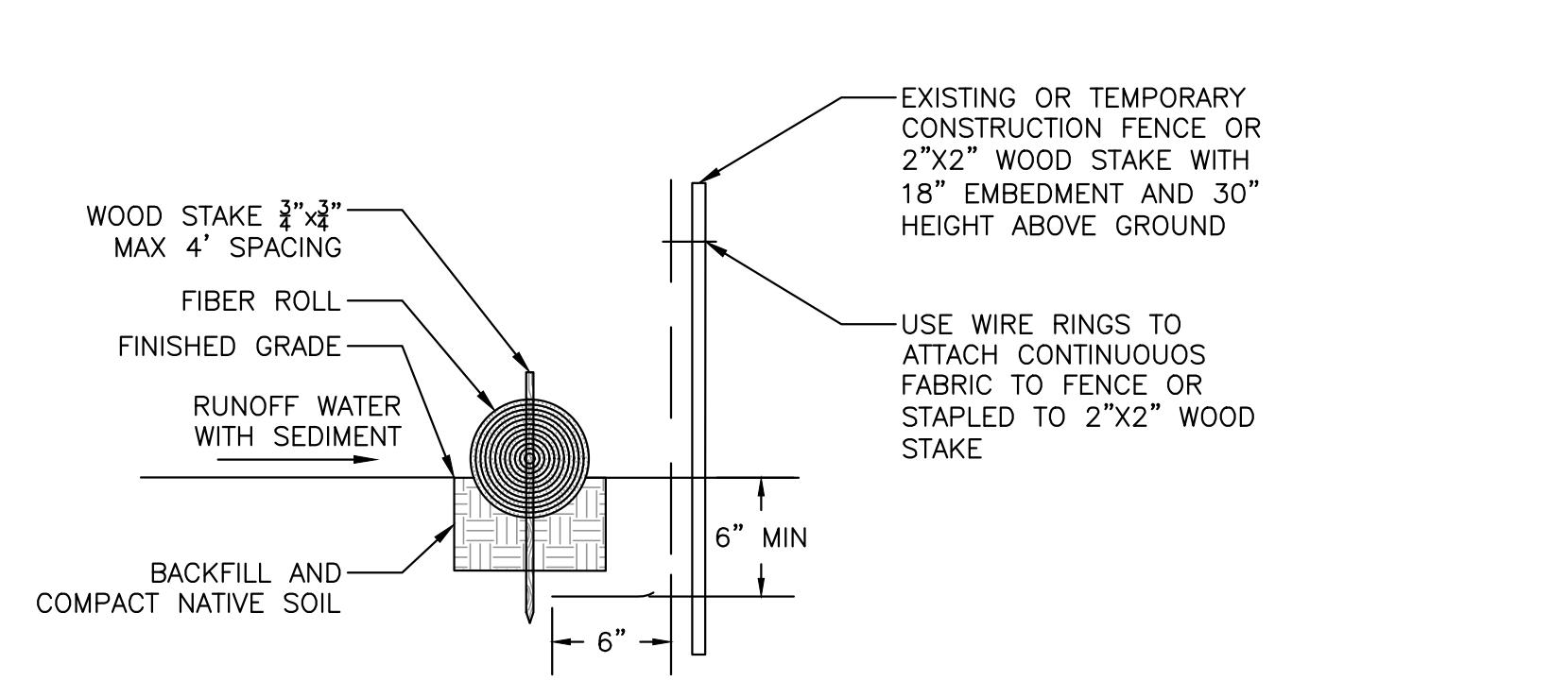
- NOTES:**
- SEDIMENT FILTERS SHALL BE INSPECTED REGULARLY THROUGHOUT THE COURSE OF CONSTRUCTION TO INSURE PROPER PLACEMENT AND CONDITION OF FILTER.
 - DAMAGED OR PUNCTURED SEDIMENT FILTERS SHALL BE REPLACED IMMEDIATELY AND ALL CAPTURED SEDIMENT/DEBRIS SHALL BE PROPERLY DISPOSED OF.
 - TYPE OF SEDIMENT 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.

2 INLET CAPTURE BAG DETAIL
SCALE: NOT TO SCALE



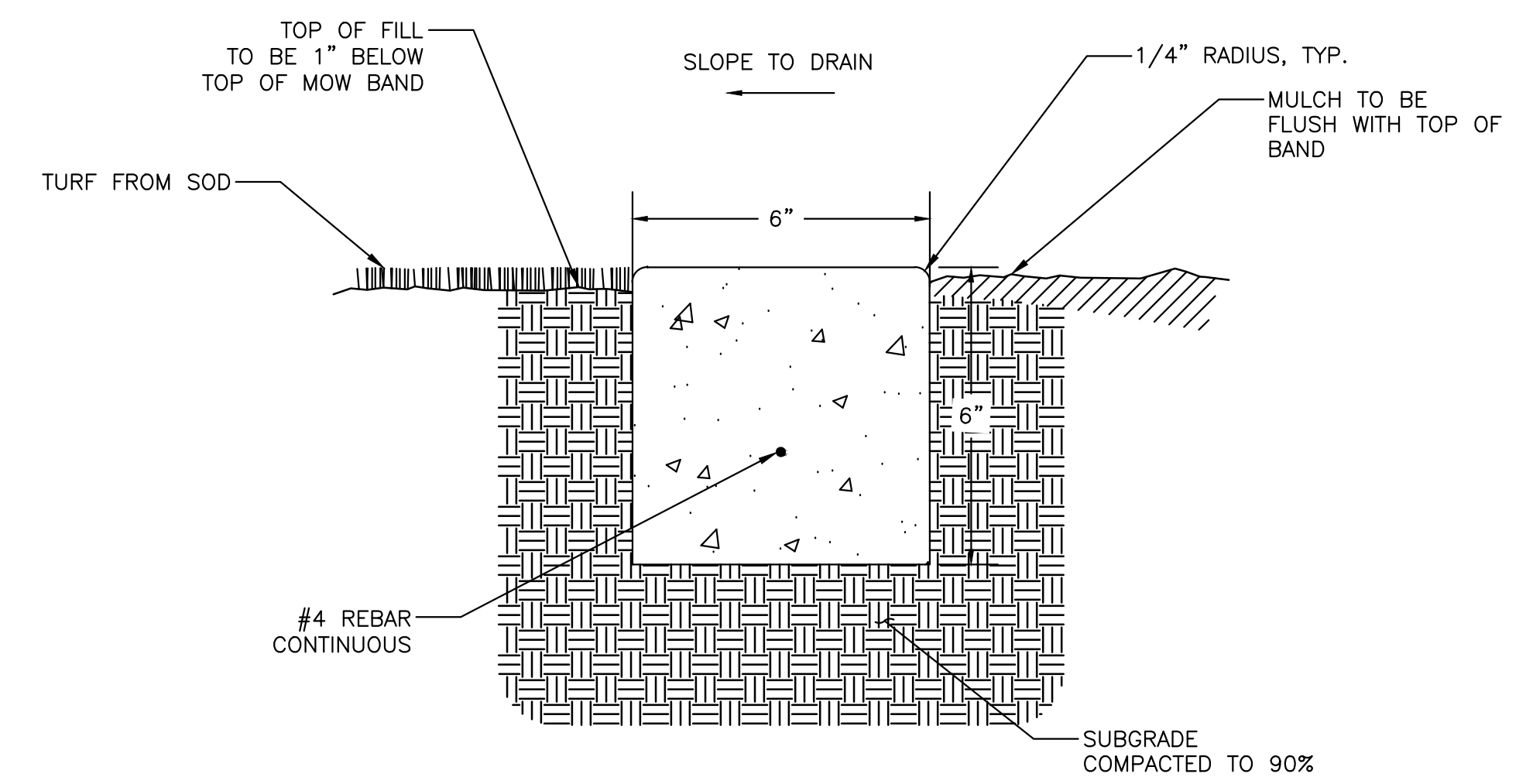
- NOTES:**
- FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 4" DEEP.
 - ADJACENT ROLLS SHALL TIGHTLY ABUT AND STAKES PLACED AT THE ENDS IN ORDER TO PREVENT "GAPS" FROM OPENING BETWEEN THE ROLLS.
 - RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER 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.

3 FIBER ROLL DETAIL
SCALE: NOT TO SCALE

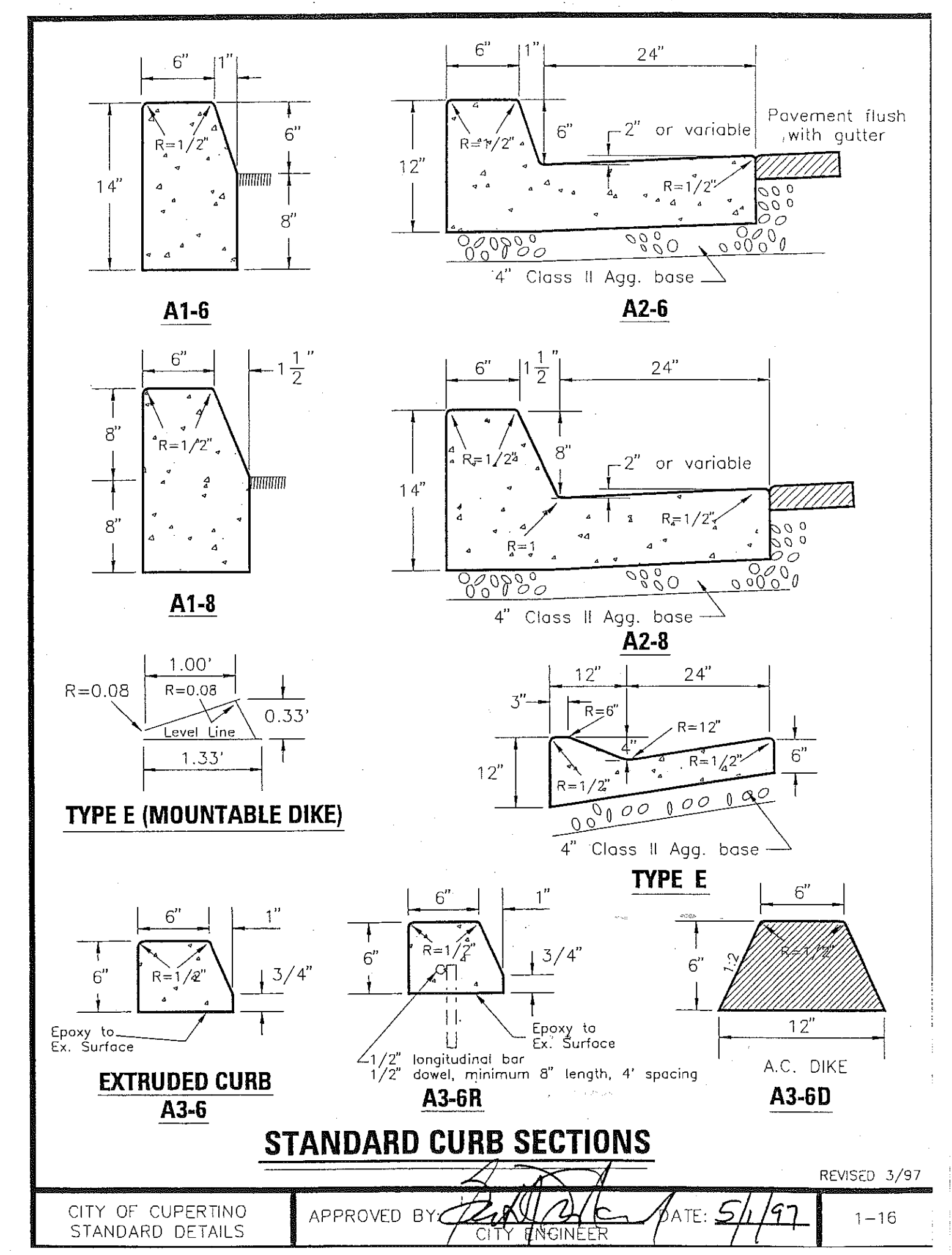


- NOTES:**
- SILT FENCE SHALL HAVE A MINIMUM 6" EMBEDDED FILTER FABRIC MATERIAL.

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



5 MOW BAND DETAIL
SCALE: NOT TO SCALE



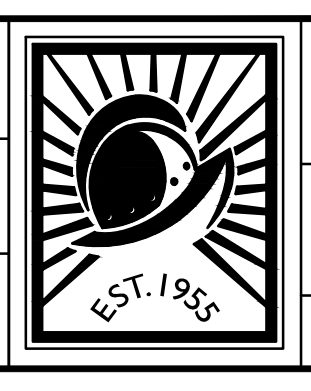
6 CURB AND GUTTER DETAIL (A2-6)
SCALE: NOT TO SCALE

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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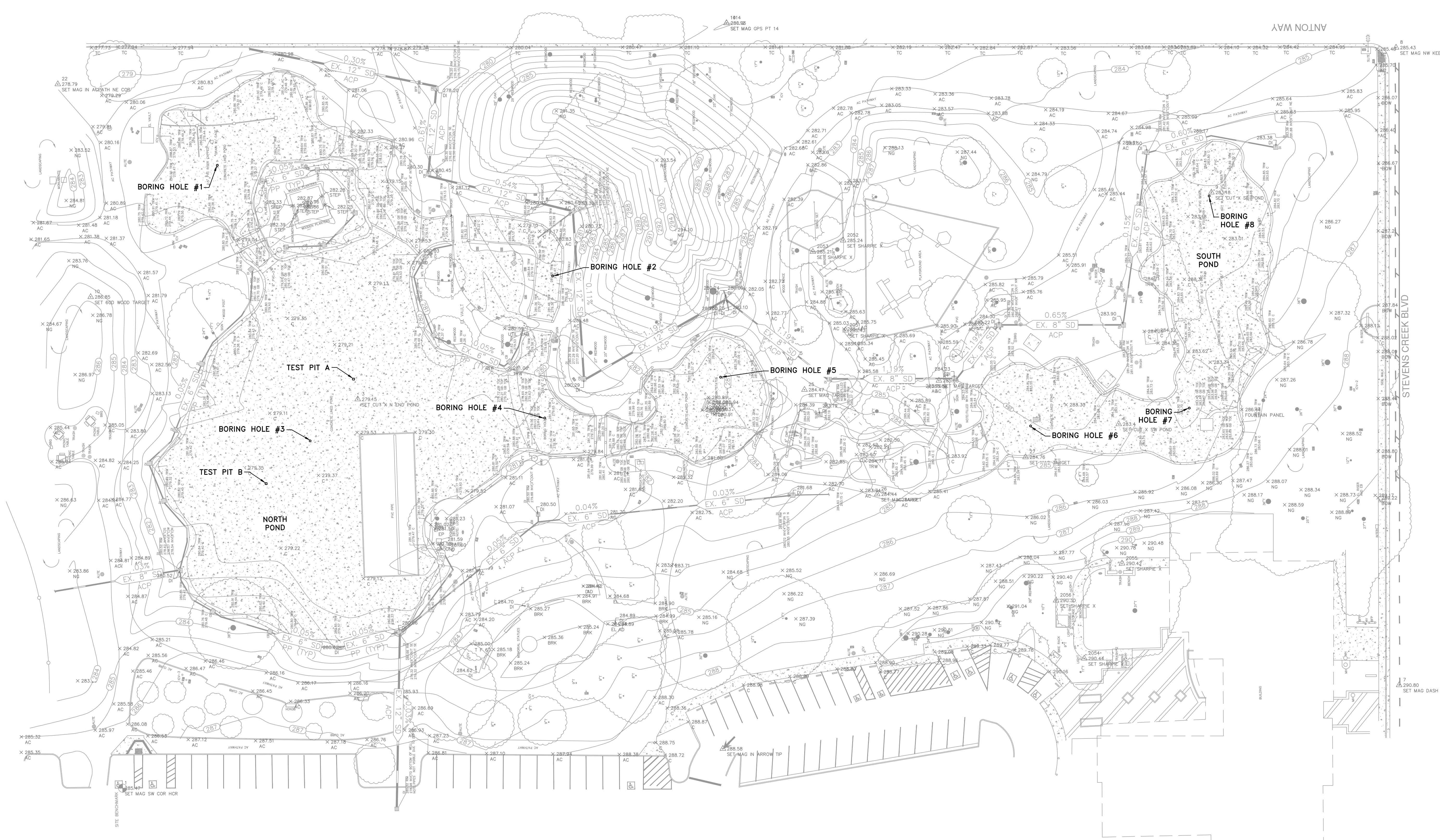
IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
DETAILS
CUPERTINO CALIFORNIA

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



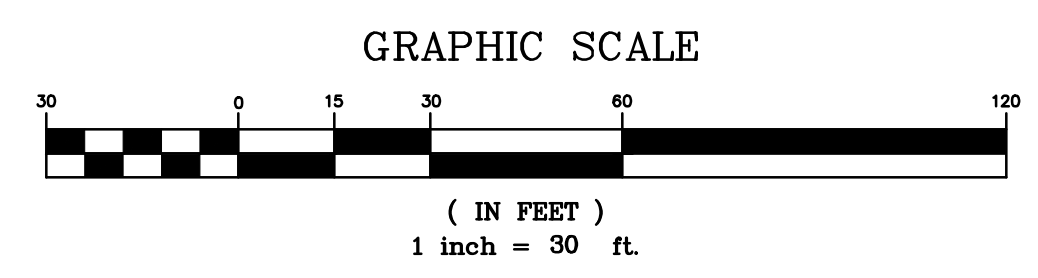
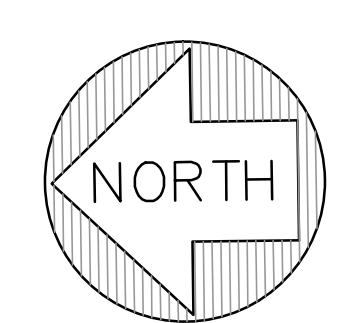
CITY OF CUPERTINO
SHEET C2.2
SHEET 3 OF 22

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 AND THE STATE OF CALIFORNIA, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND 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									
	#1	#2	#3	#4	#5	#6	#7	#8	A	B
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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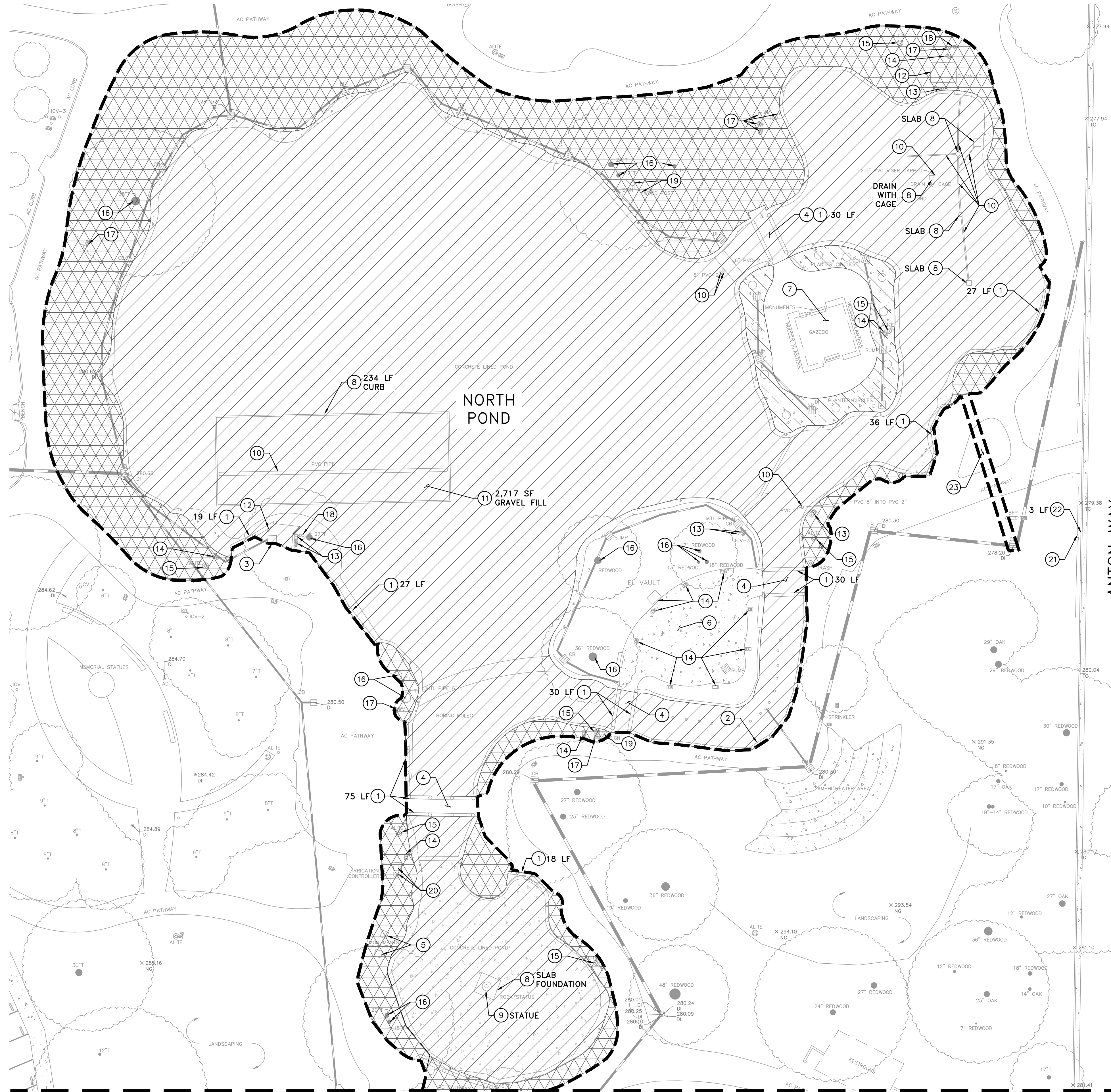
IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
EXISTING CONDITIONS
 CUPERTINO CALIFORNIA

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 SHEET C4.1 AND ALL PERSONS AND PROPERTY THAT ARE IN CONTACT WITH THIS PROJECT. 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. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE STATE OF CALIFORNIA.



LEGEND

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

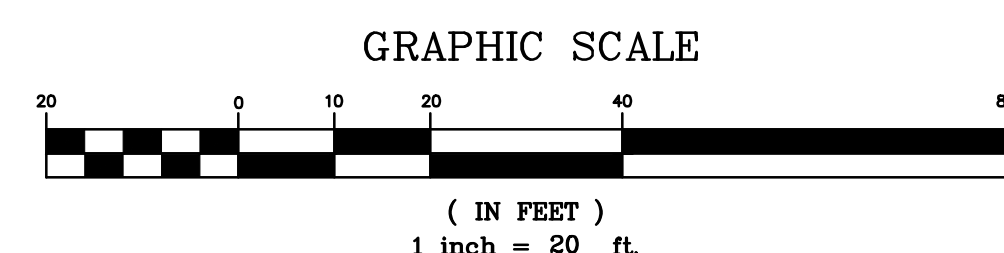
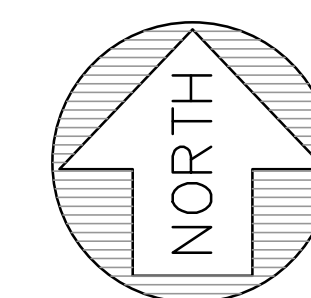
DEMOLITION KEY NOTES

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. SEE PLANTING PLAN FOR TREE PROTECTION FENCE LOCATIONS.
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, CONCRETE VAULT AND ELECTRICAL FACILITIES.
- 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.



MATCHLINE - SEE SHEET C4.2

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File:	328001			

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

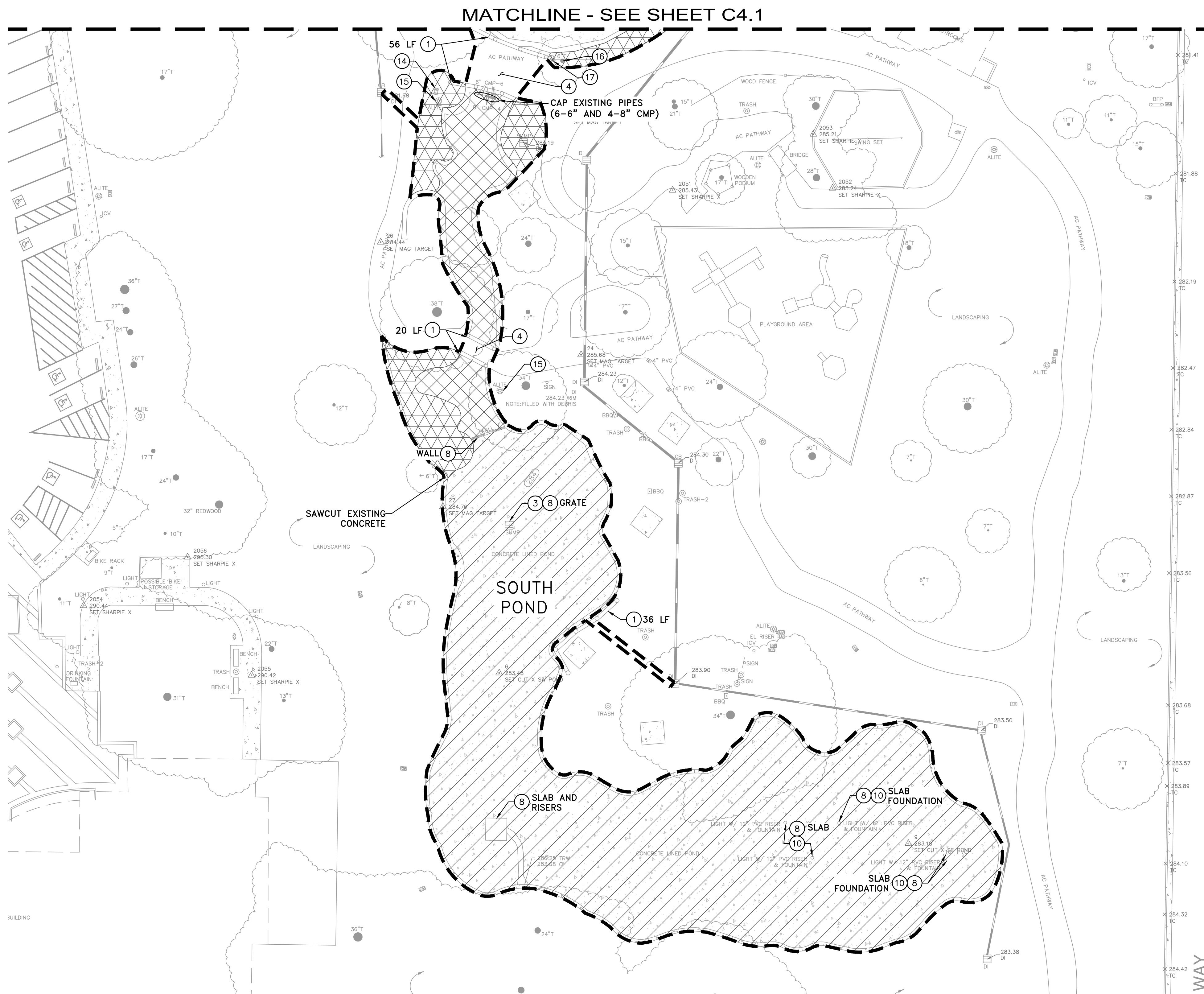
CUPERTINO CALIFORNIA

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

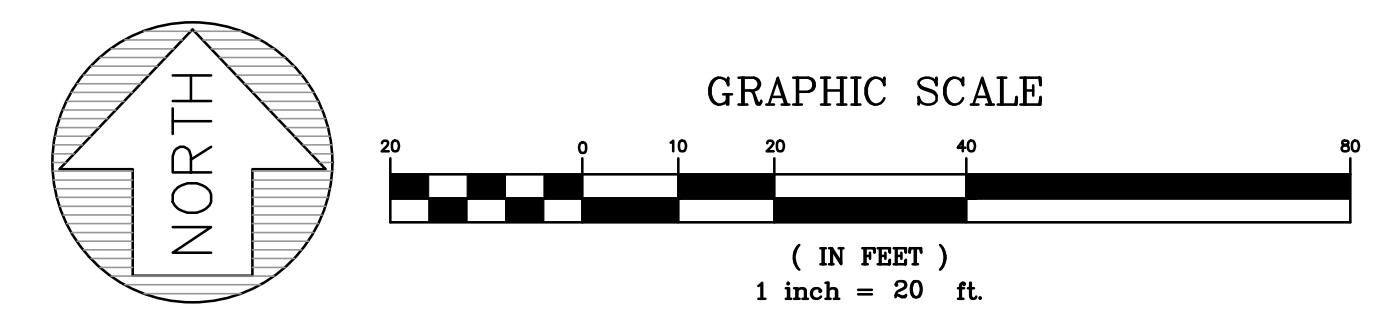


**CITY OF
 CUPERTINO**
SHEET C4.1
 SHEET 5 OF 22

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 RESPONSIBILITY 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.



- 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.



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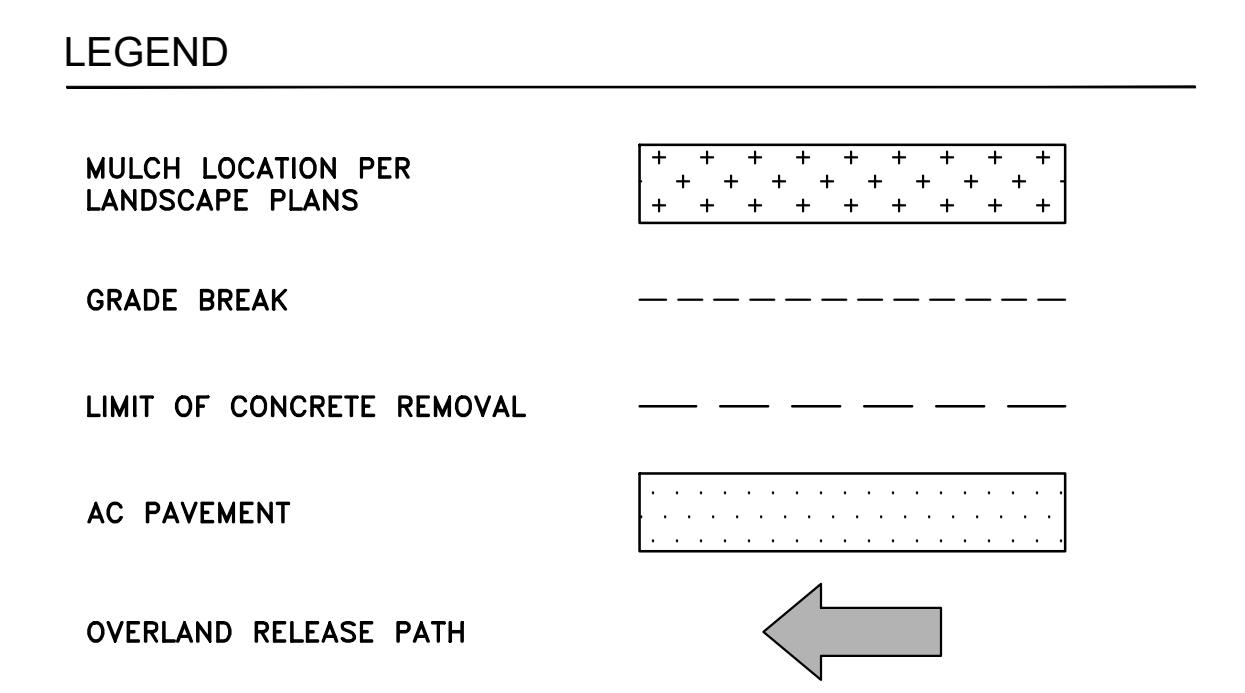
IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
DEMOLITION PLAN
 CUPERTINO CALIFORNIA

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

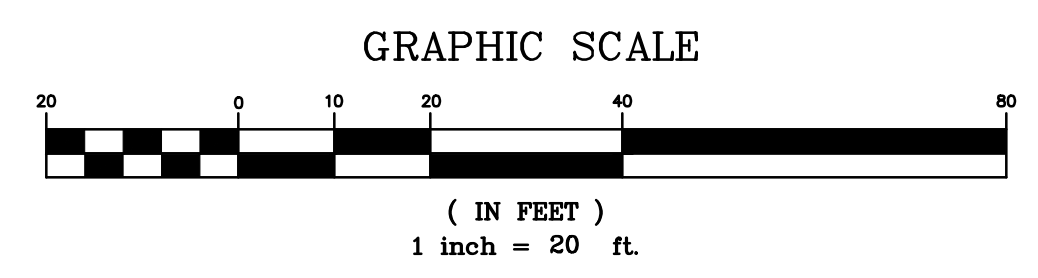
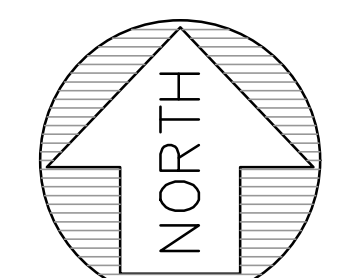


CITY OF CUPERTINO
SHEET C4.2
 SHEET 6 OF 22

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- 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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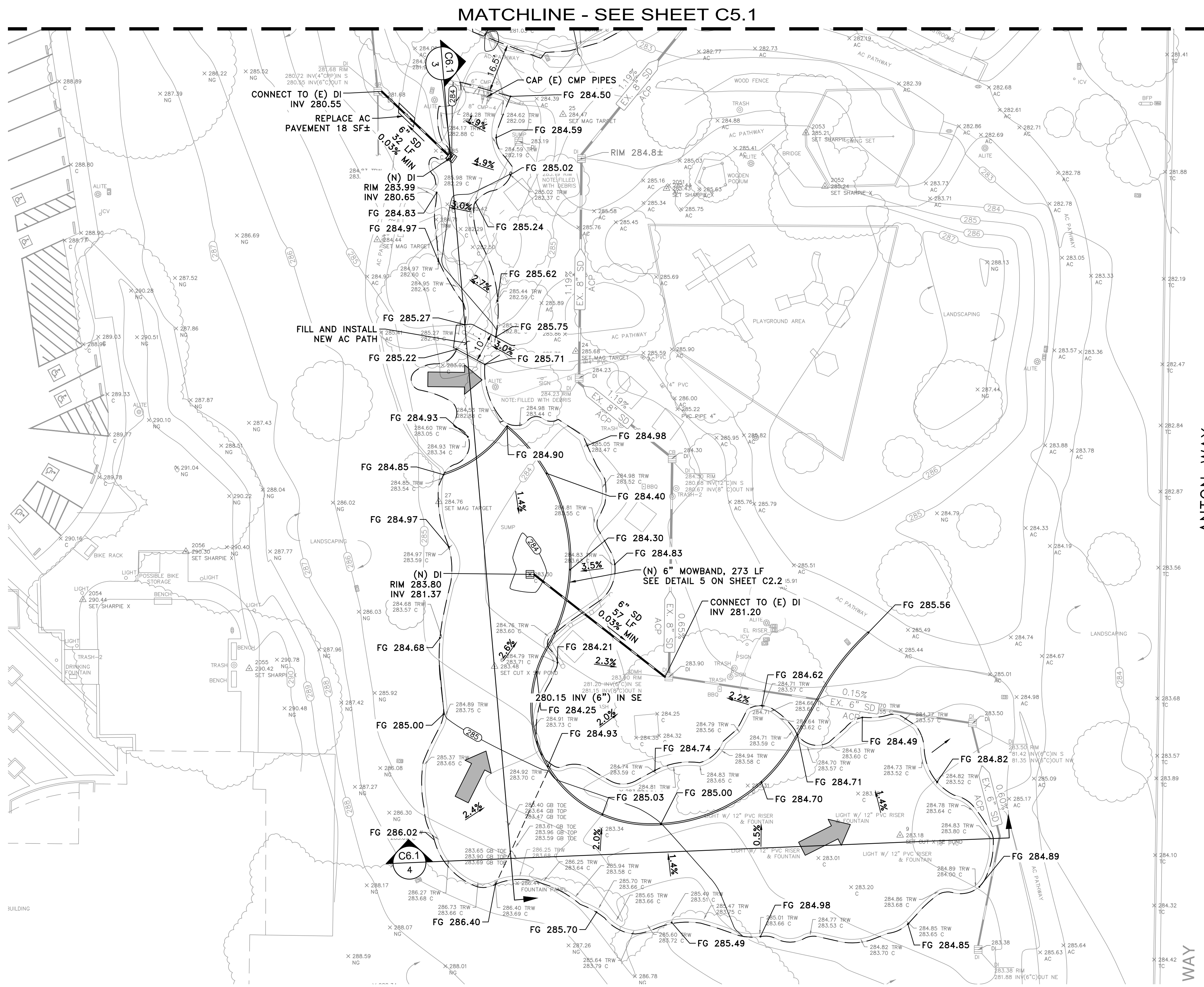
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IMPROVEMENT PLAN
CUPERTINO CALIFORNIA

FOR CITY OF CUPERTINO USE
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CITY OF CUPERTINO
SHEET C5.1
SHEET 7 OF 22

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LEGEND

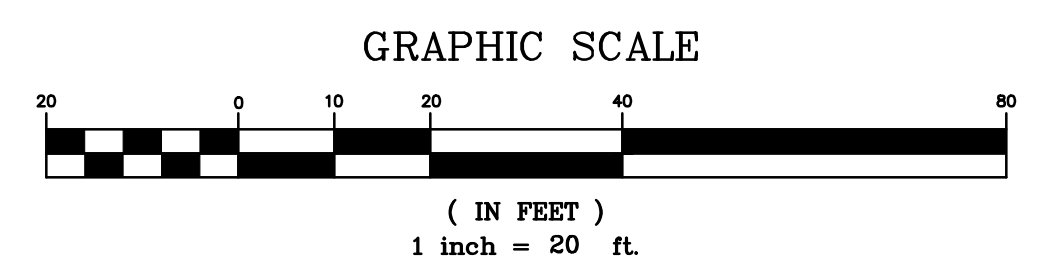
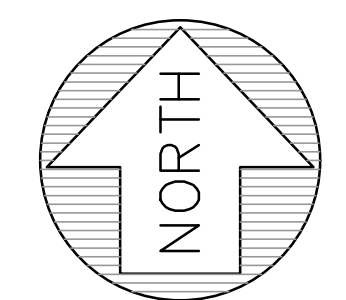
GRADE BREAK

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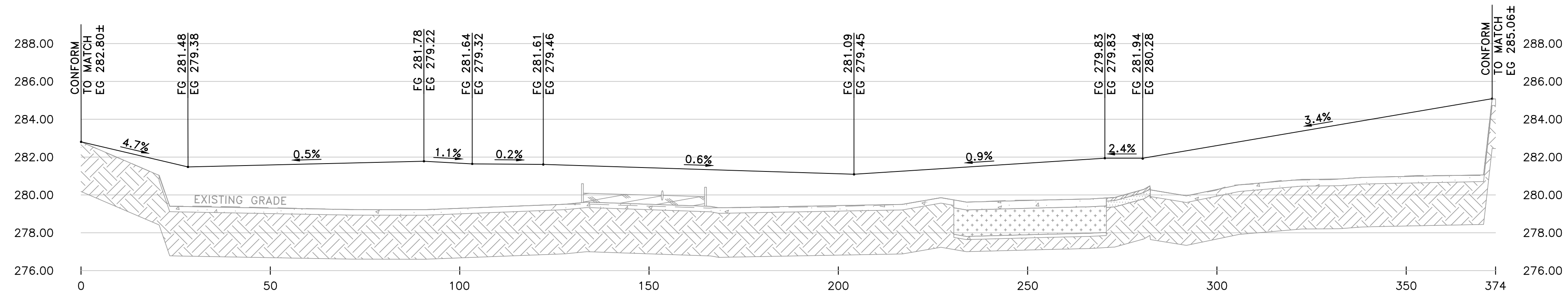
IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
IMPROVEMENT PLAN
CUPERTINO CALIFORNIA

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

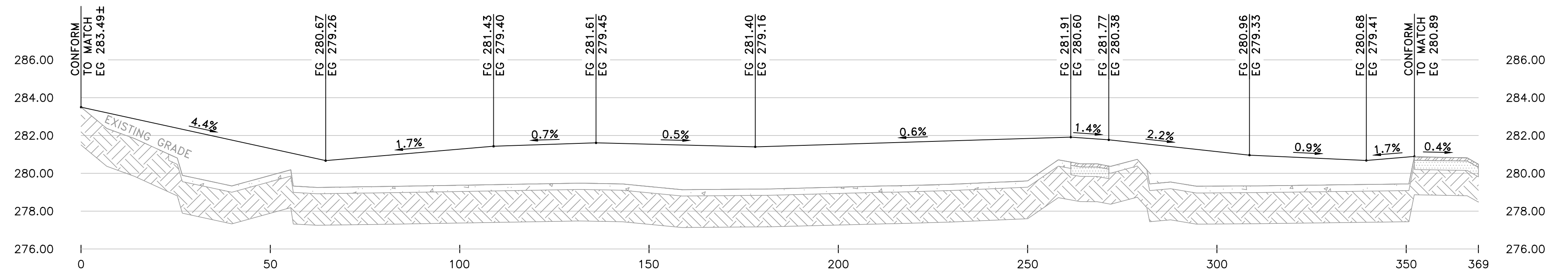


CITY OF CUPERTINO
SHEET C5.2
SHEET 8 OF 22

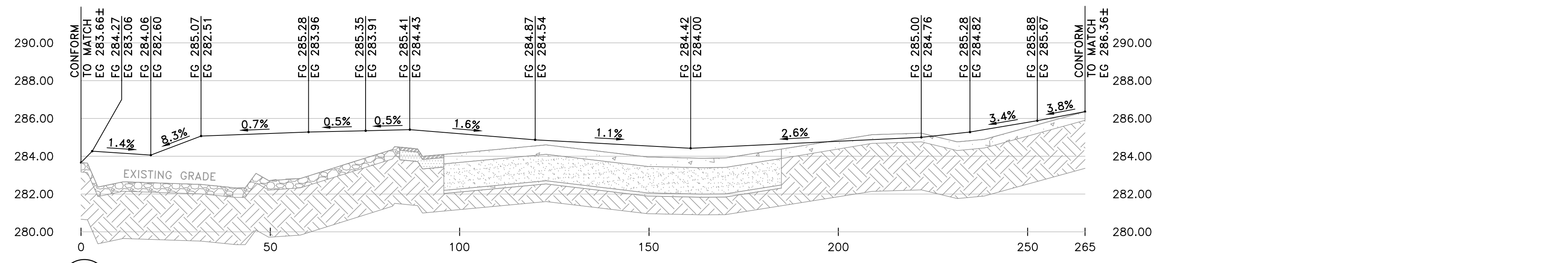
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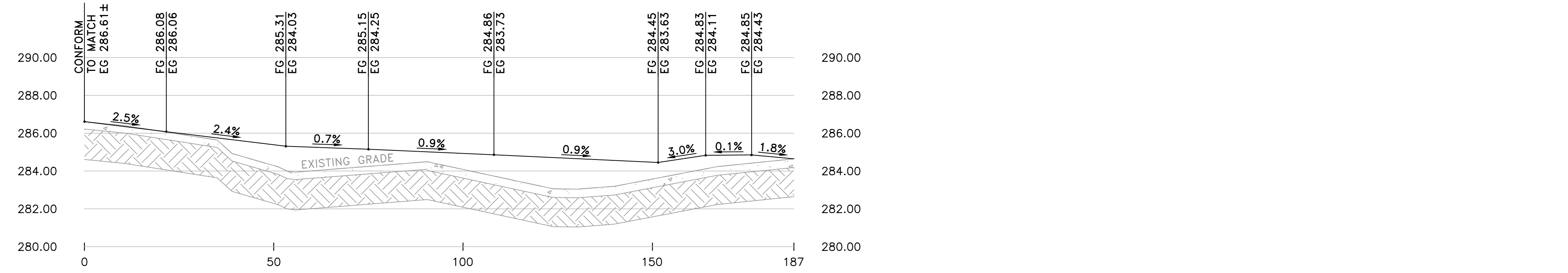
1 NORTH POND - NORTH TO SOUTH
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'



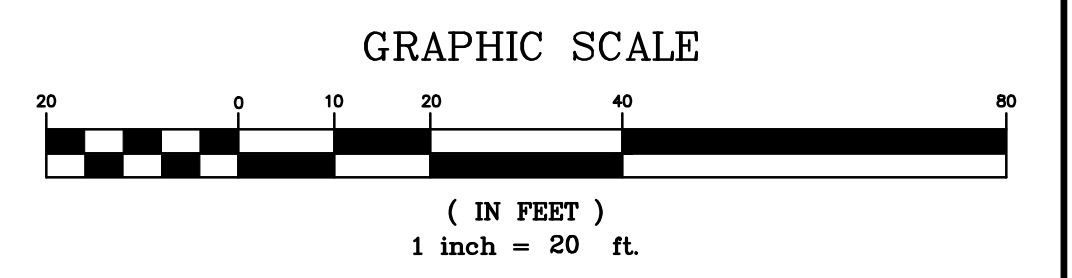
2 NORTH POND - SOUTHWEST TO NORTHEAST
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'



3 SOUTH POND - NORTH TO SOUTH
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'



4 SOUTH POND - WEST TO EAST
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'



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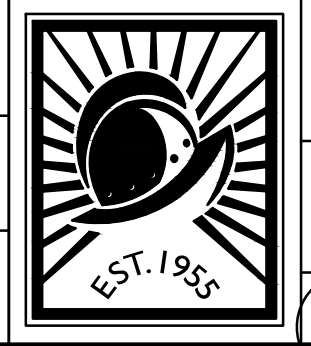
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IRP	4/19/22		

**IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
CROSS SECTIONS**

CUPERTINO CALIFORNIA

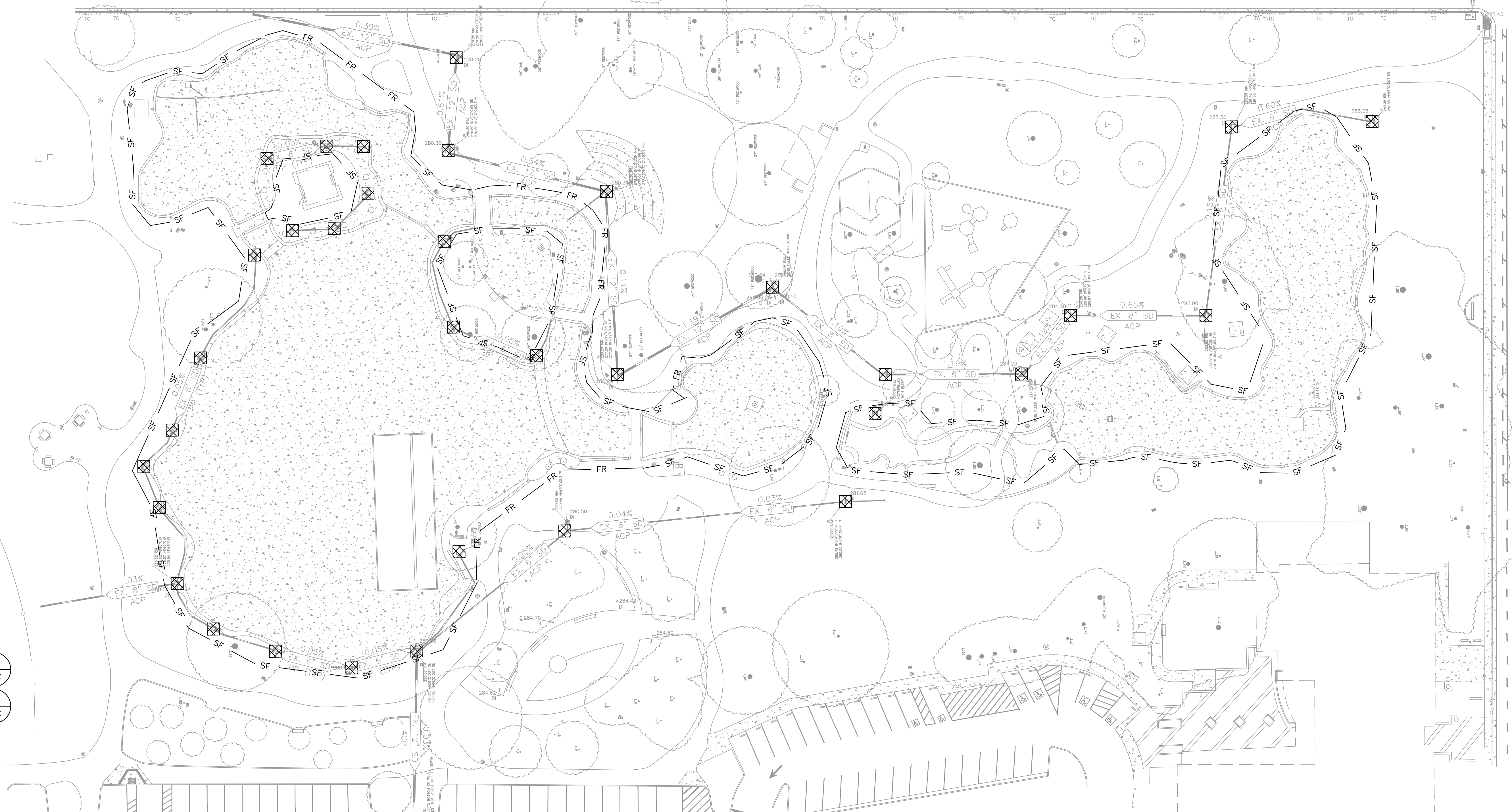
FOR CITY OF CUPERTINO USE PROJECT # 2022-03
PUBLIC WORKS INSPECTOR: KEVIN REIDEN
VOICE MAIL: (408) 777-3104
PROJECT ENGINEER
NAME _____ DATE _____



CITY OF CUPERTINO
SHEET C6.1
SHEET 9 OF 22

ANTON WAY

STEVENS CREEK BLVD

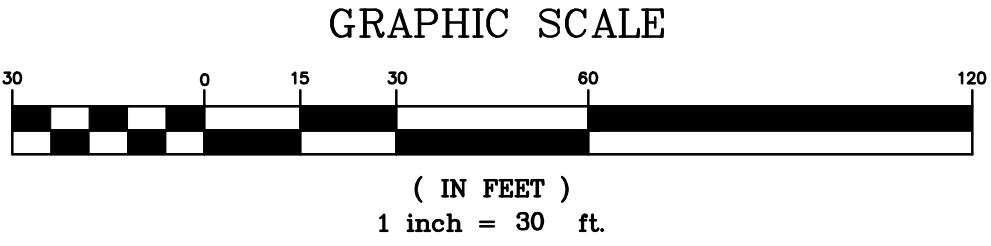
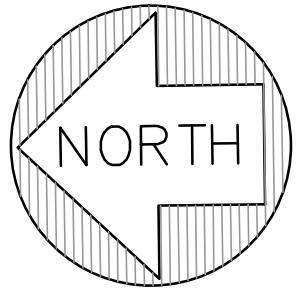


LEGEND

- 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.



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			

REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE
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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.recycleanwaste.org
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 existing sites (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.

This city can provide brochures and copies of 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.

The city can provide brochures and copies of 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.

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 or 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.
- 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 rains, 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 oil, antifreeze, batteries, and tires.
- Dispose of all wastes properly. Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as 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.)

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 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 yard waste on site themselves. Or take yard waste to a landfill where it will be composted.
- Landscaping contractors should take cuttings and pruning waste to a landfill that composts yard waste (BFA's Newby Island and Zanker Rd. Landfill are the nearest).
- Do not blow or rake leaves into the street.

Storm Drain Pollution from Landscaping and Swimming Pool 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.

Pool/Fountain/Spa Maintenance

- 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 special cleaning waste (such as acid wash). Discharge flows should be kept to the low 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 cartridges and disjunctaneous bath filters onto a dirt area and spade filter residue into soil. Dispose of spent disjunctaneous 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.



The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. You may be held responsible for any environmental damage caused by your subcontractors or employees.

Roadwork and Paving

Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for asphalt, saw-cut slurry, or excavated material to illegally enter storm drains. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains, creeks, and the Bay.

During Construction

- Avoid paving and seal coating in wet weather, or when rain is forecast to prevent fresh materials from contacting stormwater runoff.
- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- Protect drainage ways by using earth dikes, sand bags, or other controls to divert or trap and filter runoff.
- Never wash excess material from exposed-aggregate concrete or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- Cover stockpiles (asphalt, sand, etc.) and other construction materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- Park paving machines over drip pans or absorbent material (cloth, rags, etc.) to catch drips when not in use.
- Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags), or dig up, remove, and properly dispose of contaminated soil.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand ???
- Avoid over-application by water trucks for dust control.

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. Avoid 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 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 a 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 in storm drains.

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.

Fresh Concrete and Mortar Application

Storm Drain Pollution from Fresh Concrete and Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

General Business Practices

- Wash out concrete mixers only in designated washout areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- Wash out chutes into dirt areas that do not flow to streets or drains.
- Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfalls, and runoff.
- Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.

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 into 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.recyclestuff.com 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.



Heavy Equipment Operation

Stormwater 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.

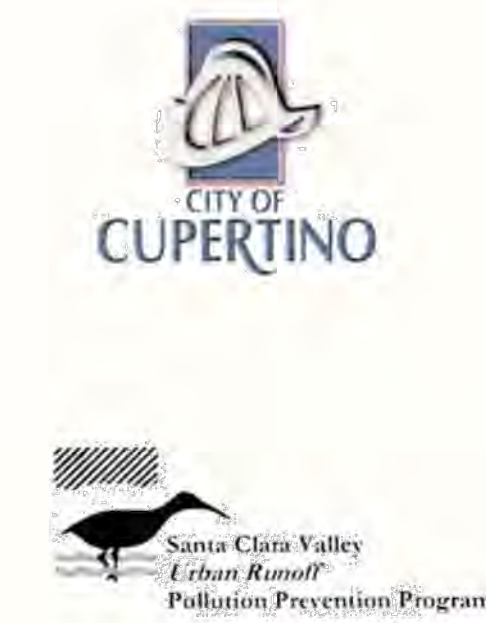
Site Planning and Preventive Vehicle Maintenance

- Designate one area of the construction site well away from streams, ditches, or creeks 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 spent fluids, store in separate containers and properly dispose as hazardous waste (recycle whenever possible).
- Do not use, disassemble, 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 absorbed 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. Enlarge water coverage to prevent dust 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

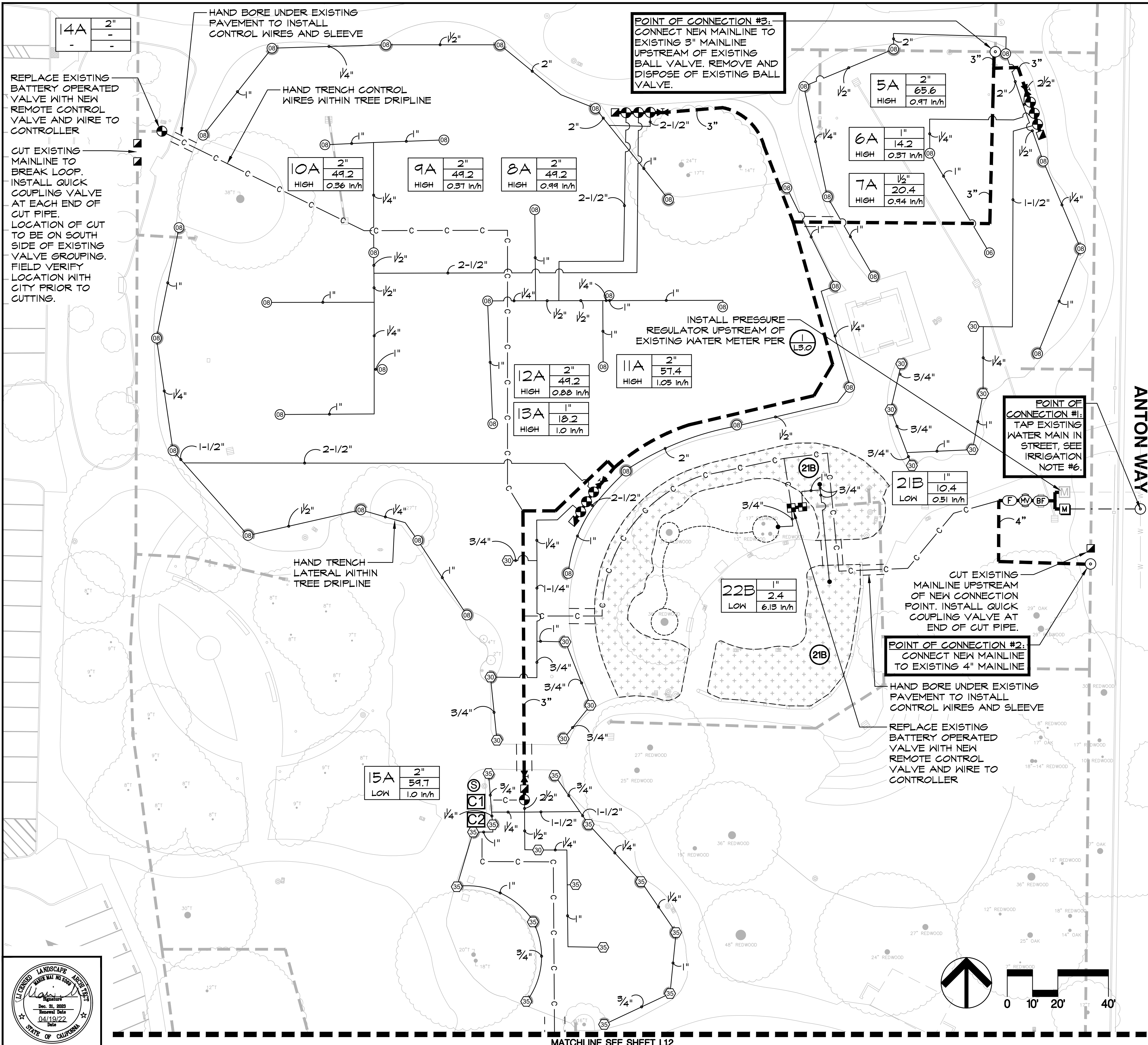
9/1/16
DATE

CONSTRUCTION BEST MANAGEMENT PRACTICES

CITY OF CUPERTINO
DEPARTMENT OF PUBLIC WORKS

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

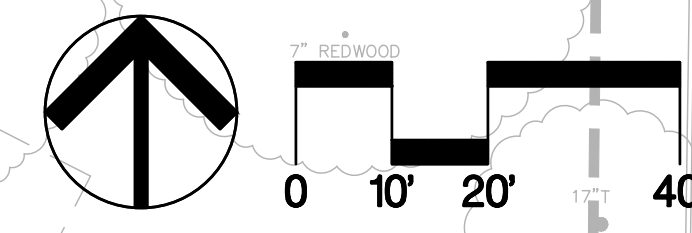
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT ARE NEARBY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS.



IRRIGATION LEGEND

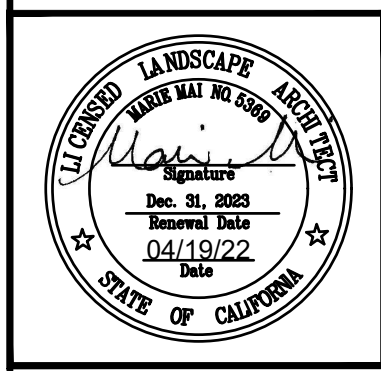
- SHRUB/GROUNDCOVER DRIP IRRIGATION: RAINBIRD, XERI-BUG EMITTERS, XB-IOPC, 1.0 GPH. INSTALL 2 EMITTERS PER PLANT WITHIN WATER BASIN. SUPPLY TUBING TO BE UV-RESISTANT POLYETHYLENE, 3/4" SIZE. INSTALL SUPPLY TUBING ON GRADE BELOW MULCH AND STAKE EVERY 4 FEET. INSTALL FLUSH CAP AT END OF EACH TUBING RUN 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, 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

ANTON WAY



MATCHLINE SEE SHEET L12

FOR IRRIGATION NOTES SEE SHEET L1.2



CALLANDER ASSOCIATES
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2025 Gateway Place, Suite 285
San Jose, CA 95110
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www.callanderassociates.com
CALA Project No. 21056

Date:	04/19/22	CONFORMED SET	NR	6/03/22
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Designed:	NR			
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File:	21056_IR.dwg			

IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
IRRIGATION PLAN

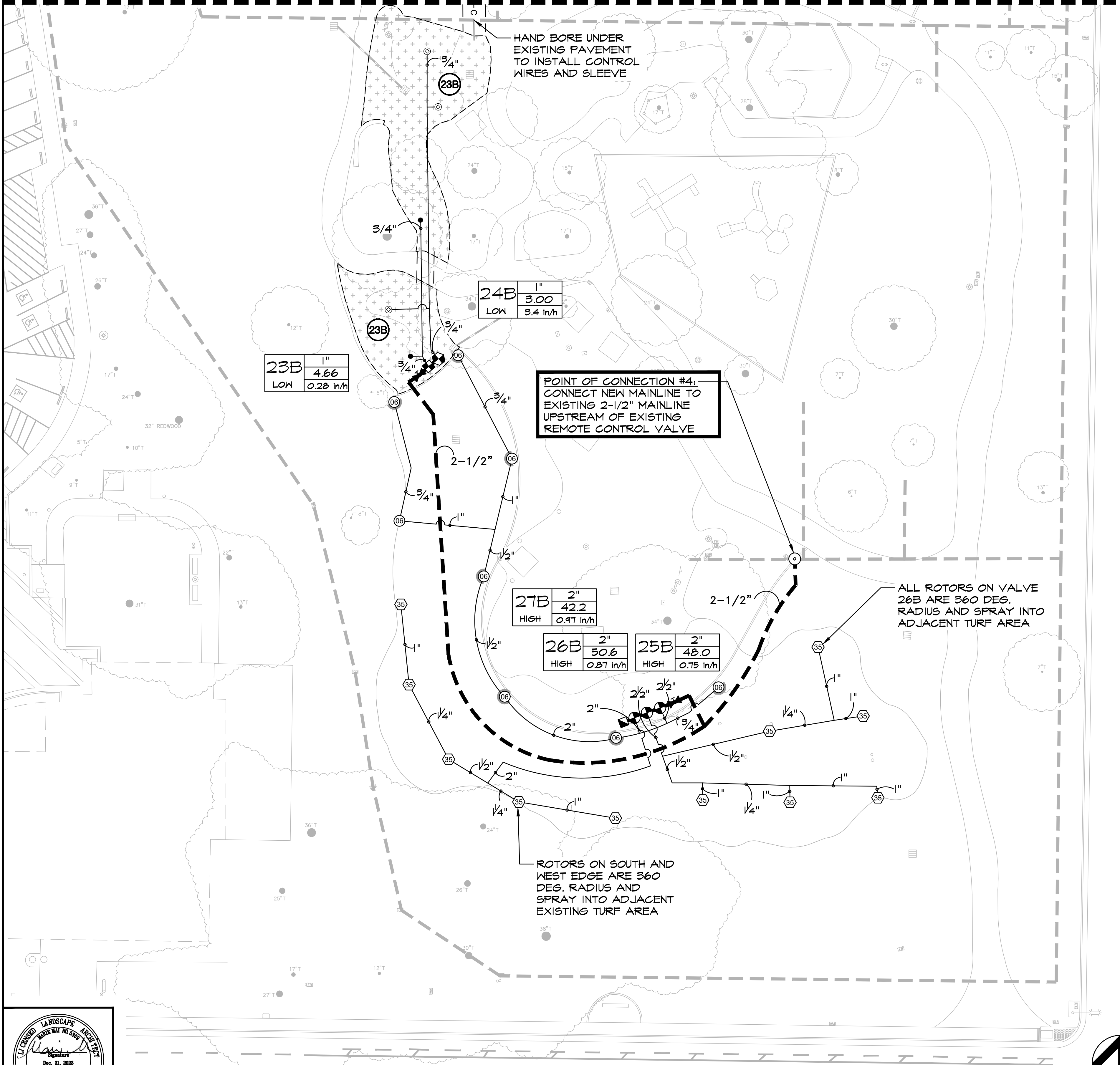
FOR CITY OF CUPERTINO USE
PROJECT # 2022-003
PUBLIC WORKS INSPECTOR: KEVIN REIDEN
VOICE MAIL: (408) 777-3104
PROJECT ENGINEER



CITY OF CUPERTINO
L1.1
SHEET 13 OF 22

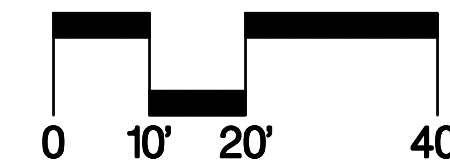
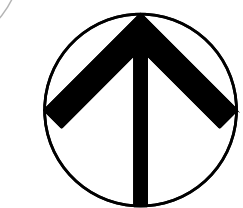
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT MAY BE AFFECTED BY HIS WORK. HIS WORK SHALL BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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.

MATCHLINE SEE SHEET L11



ANTON WAY

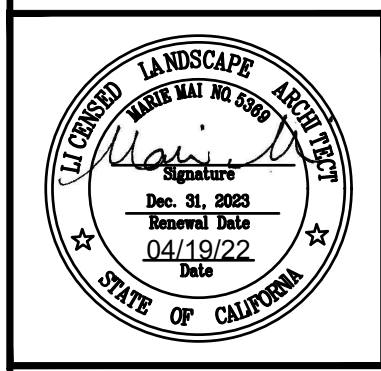
STEVENS CREEK BLVD.



FOR IRRIGATION LEGEND SEE SHEET L11

IRRIGATION NOTES

- SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- BACKFLOW ASSEMBLY:** CONTRACTOR SHALL CONNECT THE BACKFLOW ASSEMBLY WITH THE WATER METER USING 4 INCH DUCTILE IRON PIPE BURIED A MINIMUM OF 18 INCHES.
- SLEEVING:** ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVING SHALL EXTEND 1'-0" FROM EDGE OF PAVING INTO LAWN OR PLANTING AREA, AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.



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2025 Gateway Place, Suite 285
San Jose, CA 95110
T 408.275.0565
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CALA Project No. 21056

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IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
IRRIGATION PLAN

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

WATER EFFICIENT LANDSCAPE WORKSHEET

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (Eto) 45.3

Hydrozone # /Planting Description ^a	Plant Factor (PF) ^f	Irrigation Method ^b	Irrigation Efficiency (IE) ^c	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU) ^d	
Regular Landscape Areas								
Low Water Use Plantings	0.2	Drip	0.81	0.25	8,360	2,064	57,975	
Low Water Use Plantings	0.2	Spray	0.75	0.27	5,610	1,496	42,017	
					Totals	13,970 (A)	3,560 (B)	
Special Landscape Areas								
Turf				1	68,560	68,560	1,925,576	
					Totals	68,560 (C)	68,560 (D)	
							ETWU Total	2,025,568
							Maximum Applied Water Allowance (MAWA) ^e	2,102,139

^aHydrozone #/Planting Description
E.g.
1.) front lawn
2.) low water use plantings
3.) medium water use planting

^bIrrigation Method
overhead spray
or drip

^cIrrigation Efficiency
0.75 for spray
head
0.81 for drip

^dETWU (Annual Gallons Required) =
Eto x 0.62 x ETAF x Area
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year. LA is the total landscape area in square feet (including SLA).

^eMAWA (Annual Gallons Allowed) =
(Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year. LA is the total landscape area in square feet (including SLA). SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas		
Total ETAF x Area	3,560	(B)
Total Area	13,970	(A)
Average ETAF	0.25	B ÷ A

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas		
Total ETAF x Area	72,120	(B + D)
Total Area	82,530	(A + C)
Sitewide ETAF	0.87	(B + D) ÷ (A + C)

PROJECT INFORMATION

- A. DATE: SEE TITLE BLOCK
 B. PROJECT APPLICANT: CITY OF CUPERTINO
 C. PROJECT ADDRESS: 21121 STEVENS CREEK BLVD, CUPERTINO, CA 95014
 D. TOTAL LANDSCAPE AREA: SEE WATER EFFICIENT LANDSCAPE WORKSHEET
 E. PROJECT TYPE: PUBLIC
 F. WATER SUPPLY TYPE: POTABLE
 G. LANDSCAPE DOCUMENTATION PACKAGE CHECKLIST:

1. PROJECT INFORMATION
2. WATER EFFICIENT LANDSCAPE WORKSHEET
3. *SOIL MANAGEMENT REPORT
4. LANDSCAPE DESIGN PLAN
5. IRRIGATION DESIGN PLAN
6. GRADING DESIGN
7. *CERTIFICATE OF COMPLETION
8. *CERTIFICATE OF INSTALLATION
9. IRRIGATION SCHEDULE
10. IRRIGATION MAINTENANCE SCHEDULE
11. **LANDSCAPE IRRIGATION AUDIT

*CONTRACTOR SHALL FURNISH UPON PROJECT COMPLETION AND IS RESPONSIBLE TO PAY FOR ALL ASSOCIATED FEES

**CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF IRRIGATION AUDIT BY THE LOCAL AGENCY OR A THIRD PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR. LANDSCAPE AUDITS SHALL NOT BE CONDUCTED BY THE PERSON WHO DESIGNED THE LANDSCAPE OR INSTALLED THE LANDSCAPE.

H. PROJECT CONTACTS:

OWNER:
 CITY OF CUPERTINO
 PUBLIC WORKS
 10555 MARY AVE
 CUPERTINO, CA 95014
 PHONE: (408) 777-3269

LANDSCAPE ARCHITECT:
 CALLANDER ASSOCIATES
 MARIE MAI
 2025 GATEWAY PLACE, SUITE 285
 SAN JOSE, CA 95110
 PHONE: (408) 275-0565

RECOMMENDED MAINTENANCE SCHEDULE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PRUNING												
TREES												Y
SHRUBS				Q			Q			Q		
GROUND COVER				Q			Q			Q		
IRRIGATION												
VISUAL INSPECTION			W	W	W	W	W	W	W	W	W	W
TEST CLOCK			M	M	M	M	M	M	M	M	M	M
SEASONAL ADJUSTMENT			Q				Q				Q	
WATER AUDIT			Y									
PRESSURE TESTING										Y		
REPAIR			Q				Q				Q	
FERTILIZATION												
APPLICATION				Q			Q			Q		
SOIL ANALYSIS			Y									
WEED/PEST CONTROL												
PEST CONTROL*												
HERBICIDE APPLICATION			Q				Q					
HAND WEEDING		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
DEBRIS												
VISUAL INSPECTION	W	W	W	W	W	W	W	W	W	W	W	W
COLLECTION	W	W	W	W	W	W	W	W	W	W	W	W
LANDSCAPING												
REPLACE DEAD PLANTS		Y										
REPLENISH MULCH		Y										

Y = YEARLY, Q = QUARTERLY, M = MONTHLY, W = WEEKLY

*PEST CONTROL MEASURES TO BE IMPLEMENTED PER CITY STANDARD MAINTENANCE PROCEDURES

IRRIGATION SCHEDULE NOTES

1. **WATERING WINDOW:** IRRIGATION WATERING WINDOW SHALL COMPLY WITH SAN JOSE WATER COMPANY WATER USE RESTRICTIONS. OVERHEAD IRRIGATION SHALL BE SCHEDULED BETWEEN 8:00 PM AND 10:00 AM.
2. **VALVE OPERATION:** THIS SCHEDULE IS NOT A "STACKING" SCHEDULE, AND DOES NOT OUTLINE WHICH VALVES SHOULD RUN AT THE SAME TIME. ALL PROGRAMMING AND STACKING SHALL BE WITHIN THE LIMITS OF THE AVAILABLE WATER PRESSURE.
3. **SCHEDULE ADJUSTMENTS:** DUE TO VARIABLE AND UNFORESEEN SITE CONDITIONS, THE IRRIGATION SYSTEM RUN TIMES MAY NEED TO BE ADJUSTED TO ENSURE THAT PROPER MOISTURE IS MAINTAINED IN THE LANDSCAPE.
4. **PLANT ESTABLISHMENT PERIOD:** CONTRACTOR SHALL PROVIDE THE IRRIGATION SCHEDULE DURING THE PLANT ESTABLISHMENT PERIOD. INCREASE THE OPERATION RUN TIME BY AT LEAST 20% AND DAYS OF OPERATION BY AT LEAST ONE DAY PER WEEK.

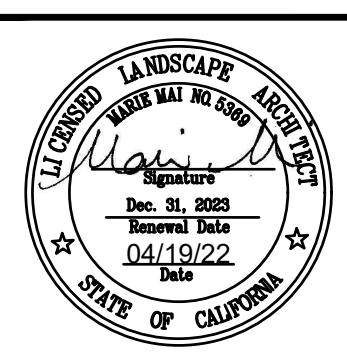
LANDSCAPE DOCUMENTATION NOTES

1. **CODE REQUIREMENTS:** LANDSCAPE DOCUMENTATION SHALL MEET THE REQUIREMENTS DESCRIBED IN THE CITY OF CUPERTINO MUNICIPAL CODE, CHAPTER 14.15 LANDSCAPE ORDINANCE.
2. **IRRIGATION PLAN CONTROLLER COPY:** THE CONTRACTOR SHALL PLACE A LAMINATED 11X17 COPY OF THE IRRIGATION PLAN SHOWING THE HYDROZONES WITHIN THE IRRIGATION CONTROLLER(S) CABINET FOR FUTURE MANAGEMENT USE.

"I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE 'CITY WATER EFFICIENT LANDSCAPE ORDINANCE' AND SUBMIT A COMPLETE 'LANDSCAPE DOCUMENTATION PACKAGE' "

Marie Mai
 _____ MARIE MAI
 SIGNATURE

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 BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS.



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IMPROVEMENT PLANS FOR
MEMORIAL PARK PONDS REPURPOSING PROJECT
IRRIGATION DOCUMENTATION
 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
L1.3
 SHEET 15 OF 22

CONTRACTOR AGREES THAT SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. SHE WILL MAINTAIN ADEQUATE CONTINUOUS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CUPERTINO AND THE COUNTY OF SANTA CLARA. SHE SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



CERTIFICATE OF COMPLETION

Form for Certificate of Completion with fields for Property Owner Name, Address, and Signature.

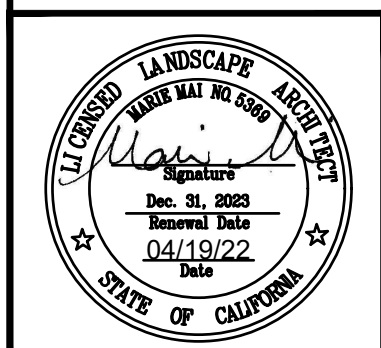
CERTIFICATE OF INSTALLATION

Form for Certificate of Installation with fields for Company, Address, Title, and Signature.

- STAFF NOTES: 1. Prescriptive Compliance Application, 2. Water Efficient Landscape Worksheet, 3. Landscape Plans, 4. Irrigation Plans, 5. Grading Plans, 6. Irrigation Schedule, 7. Landscape and Irrigation Maintenance Schedule, 8. Soil Management Report, 9. Irrigation Audit Report.

IRRIGATION SCHEDULE

Table with 28 columns (Valve No., Description, GPM Flow, Precip Rate, Irrigation Method, Irrigation Efficiency, Plant Water Use, Plant Factor) and 13 rows (5A-5T) detailing monthly and annual irrigation requirements.



CALLANDER ASSOCIATES LANDSCAPE ARCHITECTURE logo and contact information.

Table with columns for Date, Scale, Design, Drawn, Checked, Proj. Engr, File, and columns for Design by, Design Date, City Appr, and Appr Date.

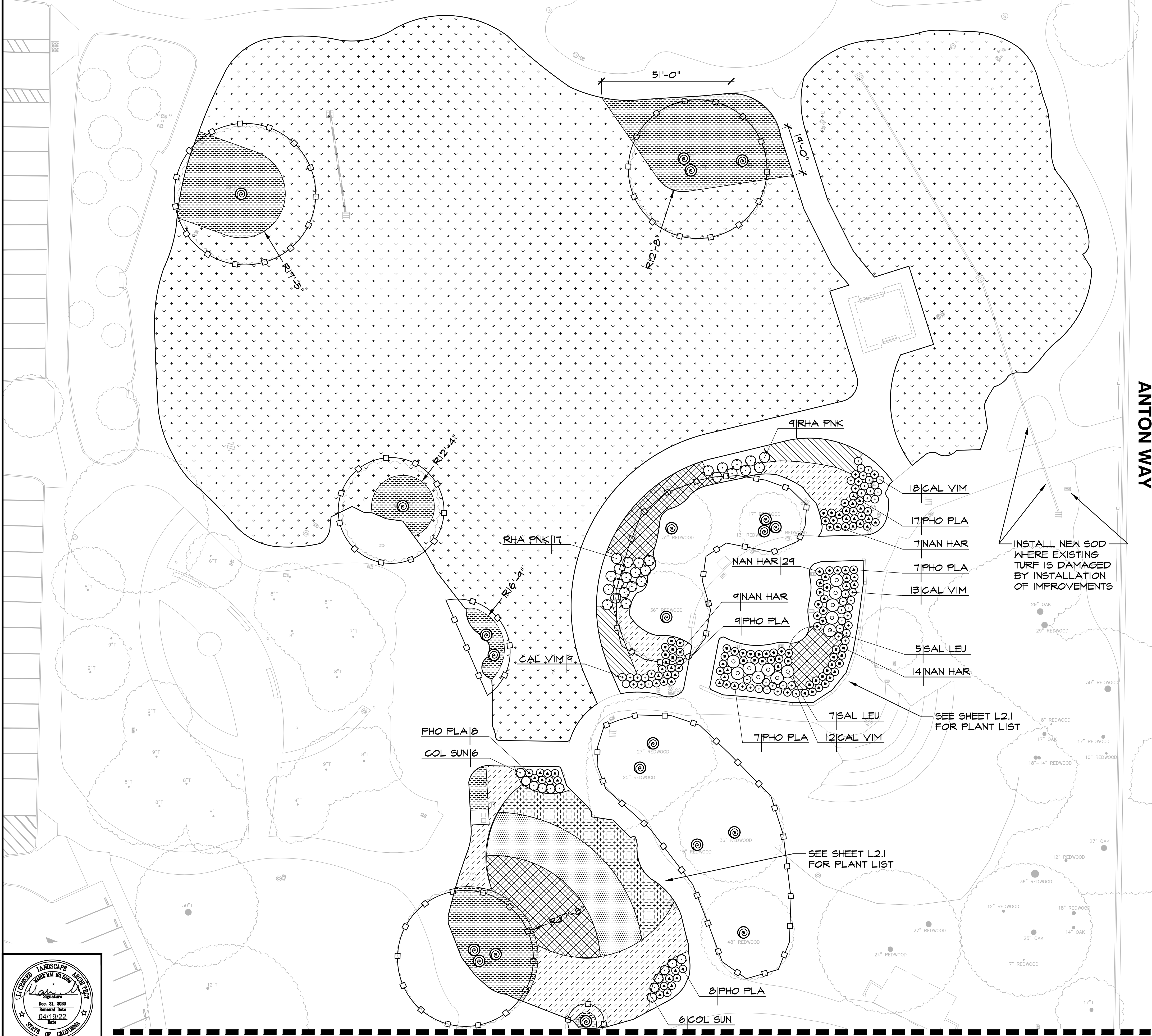
IMPROVEMENT PLANS FOR MEMORIAL PARK PONDS REPURPOSING PROJECT IRRIGATION DOCUMENTATION

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



CITY OF CUPERTINO L1.4 SHEET 16 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 MAY BE AFFECTED BY THIS PROJECT, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE LIMITED TO NORMAL WORKING HOURS.



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

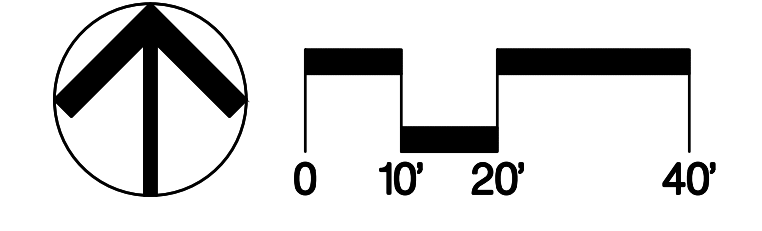
1. **MULCH:** INSTALL A UNIFORM THREE INCH COVERING OF MULCH THROUGHOUT ALL CONTAINER PLANTING AREAS AND LOCATIONS INDICATED ON PLAN, PER SPECIFICATIONS.
2. **EXISTING PLANT MATERIAL:** PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE 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

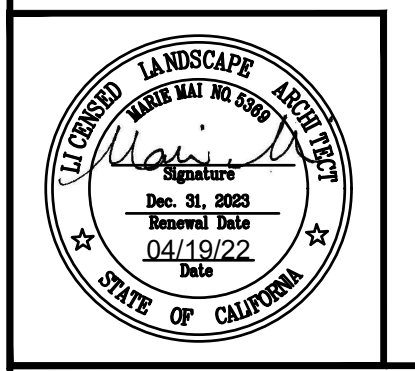
INSTALL NEW SOD WHERE EXISTING TURF IS DAMAGED BY INSTALLATION OF IMPROVEMENTS

SEE SHEET L2.1 FOR PLANT LIST

SEE SHEET L2.1 FOR PLANT LIST



FOR PLANT LIST SEE SHEET L2.1



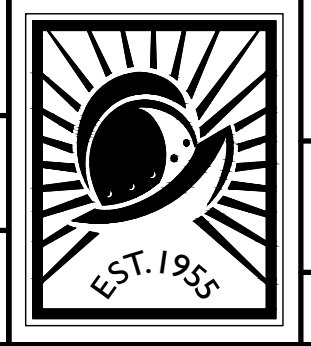
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			REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE

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
L2.0
SHEET 17 OF 22

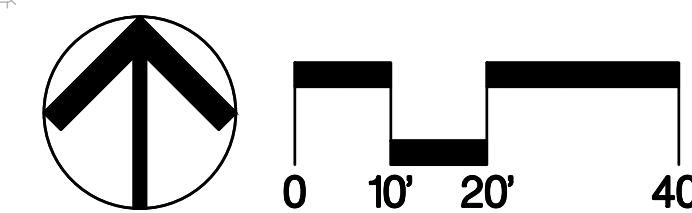
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PLANT LIST

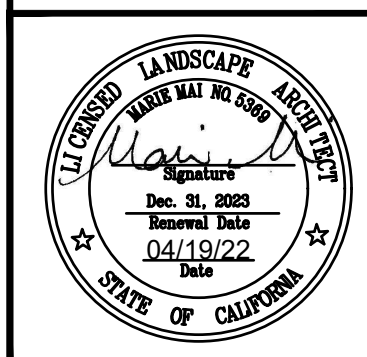
1 L3.3	TREES	BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
	AGO FLE	AGONIS FLEXUOSA / PEPPERMINT TREE	24" BOX	LOW	
2 L3.3	SHRUBS	BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
	CAL YIM	CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEeping BOTTLEBRUSH	5 GAL	LOW	36" o.c.
	COL SUN	COLEONEMA PULCHELLUM 'SUNSET 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 SALVIIFOLIUS '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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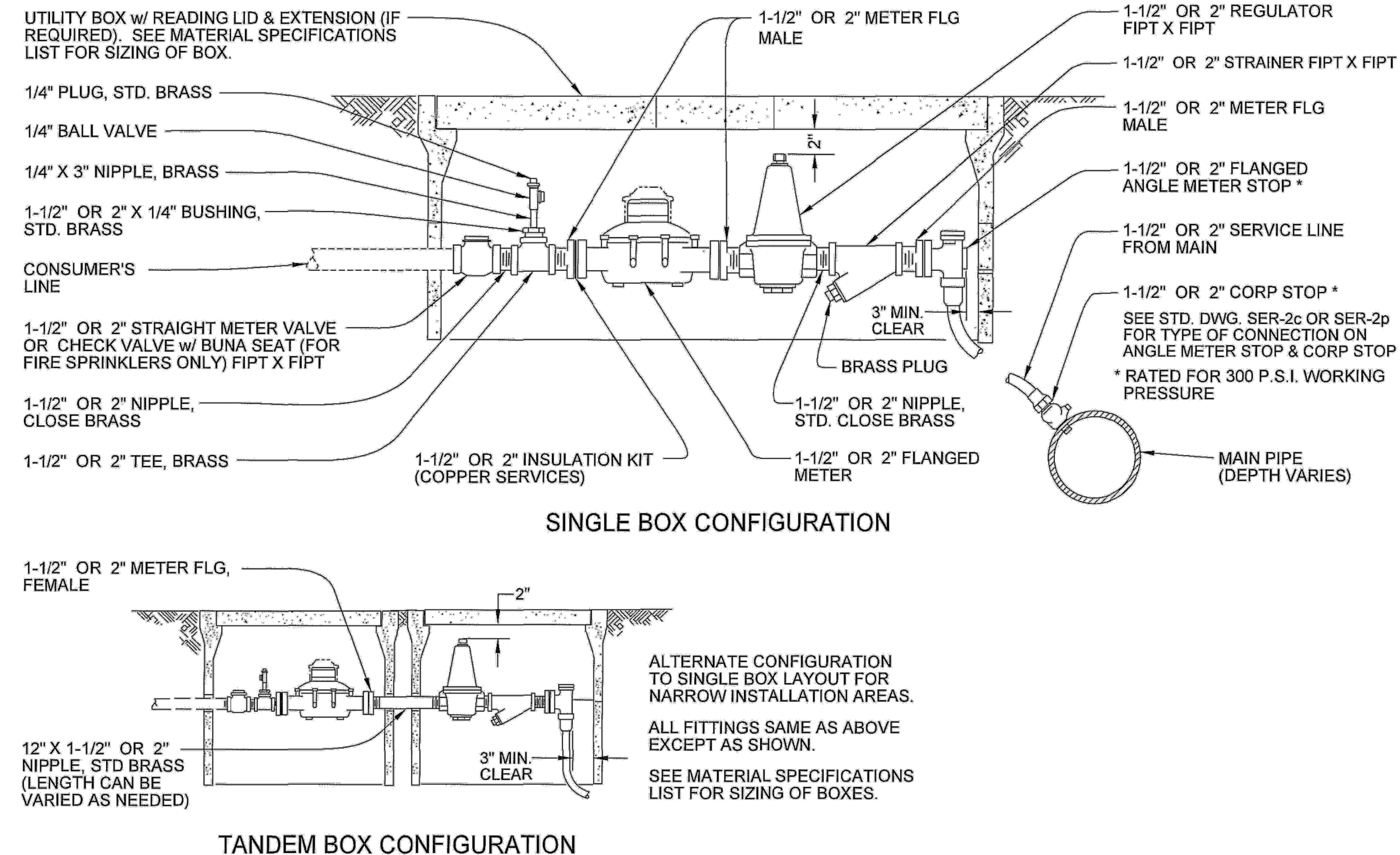


CITY OF CUPERTINO

L2.1

SHEET 18 OF 22

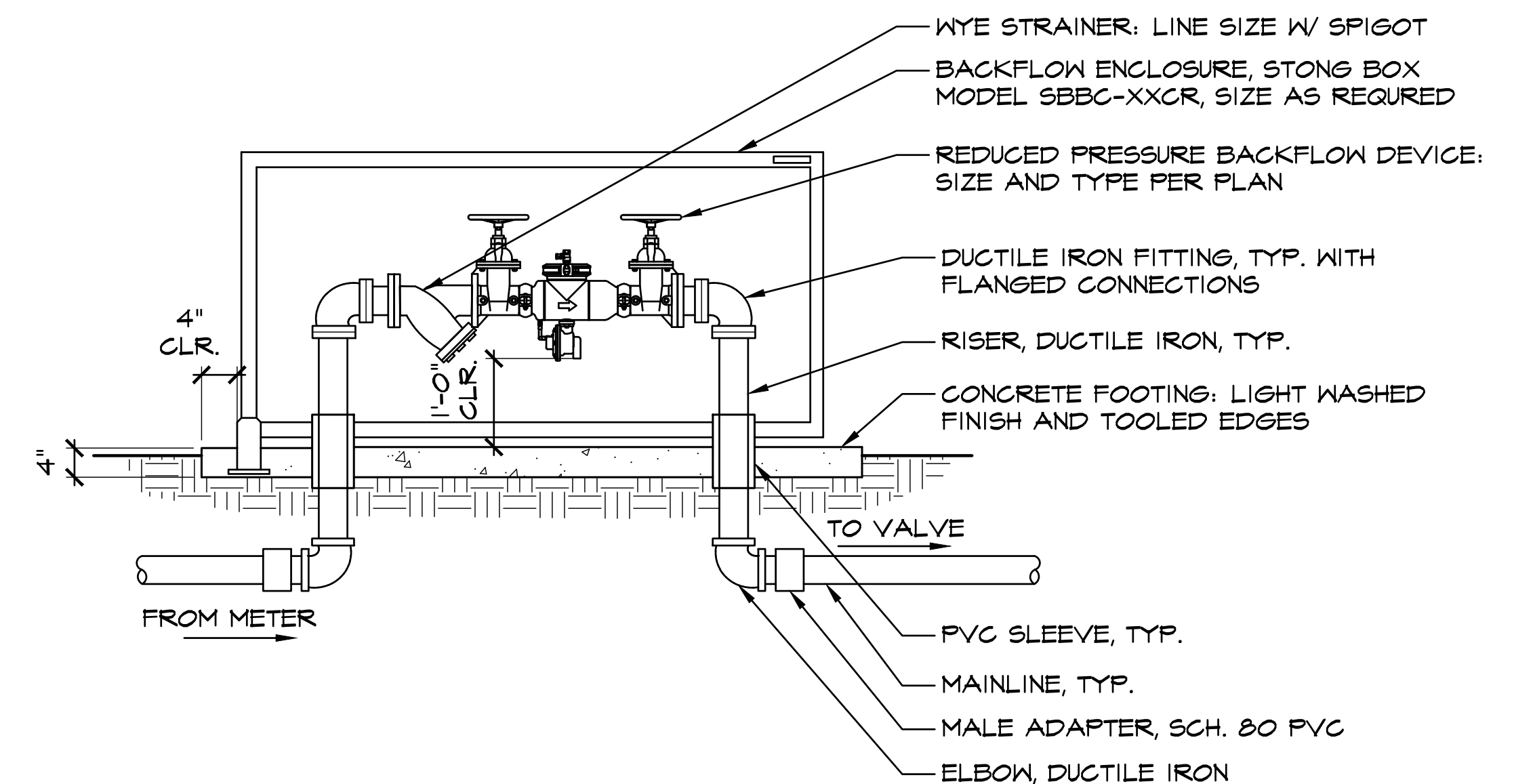
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1
L3.0 **WATER SERVICE**
SECTION - SAN JOSE WATER CO. STANDARD DETAIL SER-2r

N.T.S.

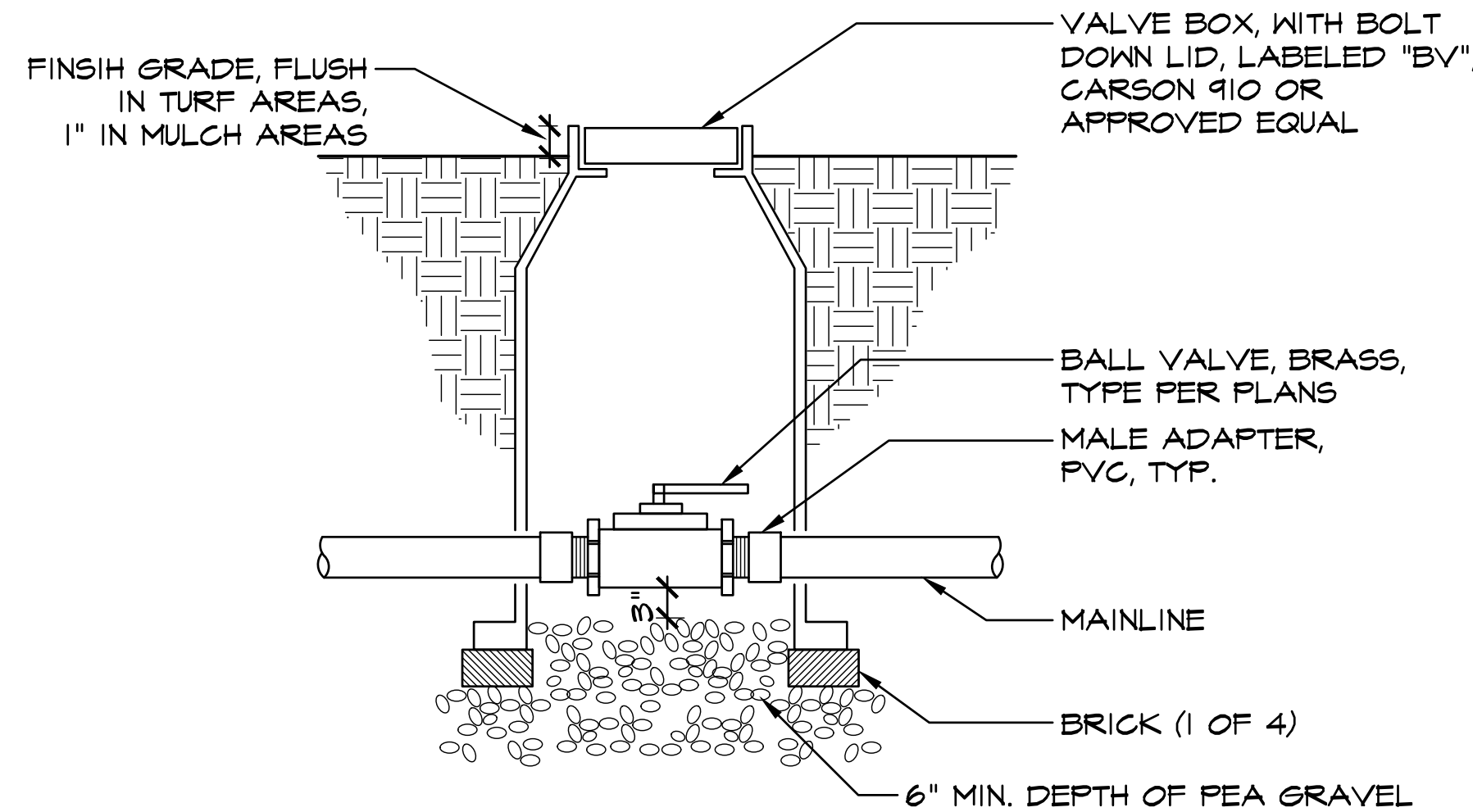
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L3.0 **BACKFLOW PREVENTER**
SECTION

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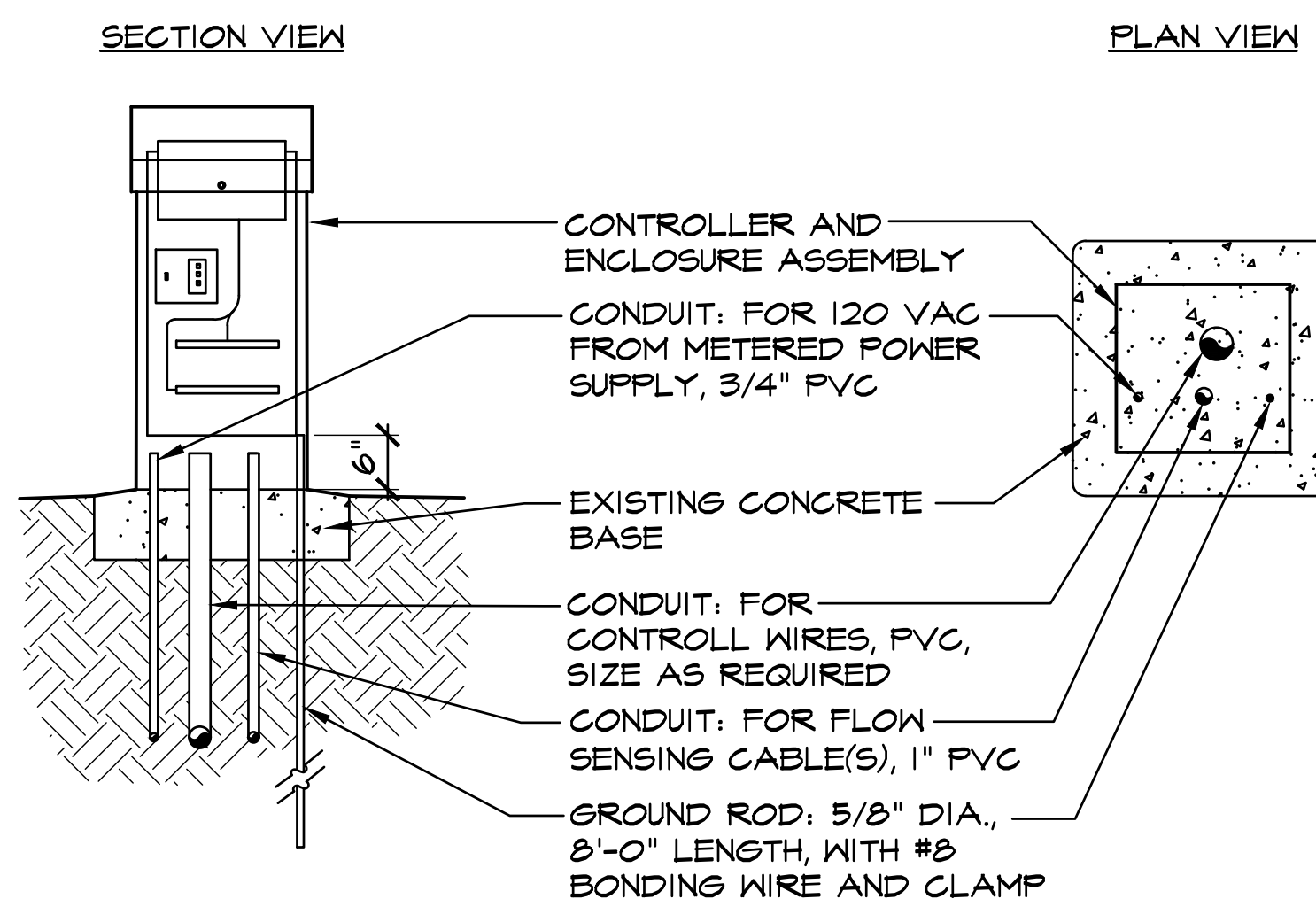
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L3.0 **BALL VALVE**
SECTION

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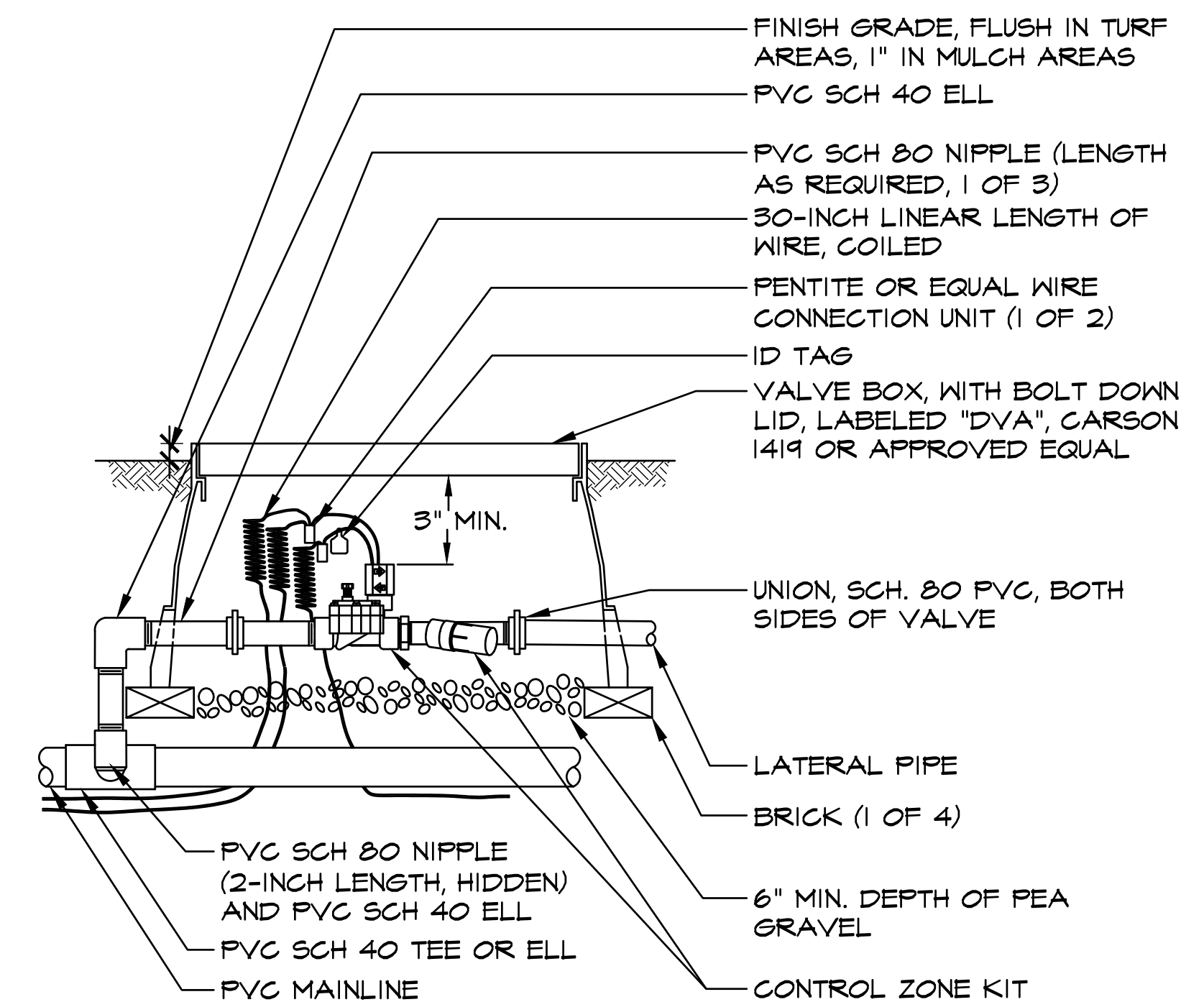
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4
L3.0 **IRRIGATION CONTROLLER**
PLAN AND SECTION

N.T.S.

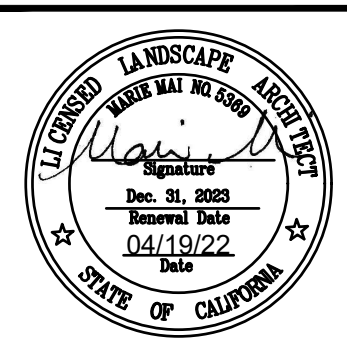
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L3.0 **DRIP CONTROL ZONE**
SECTION

N.T.S.

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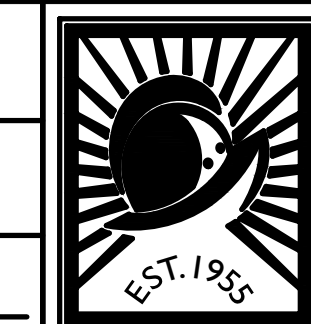


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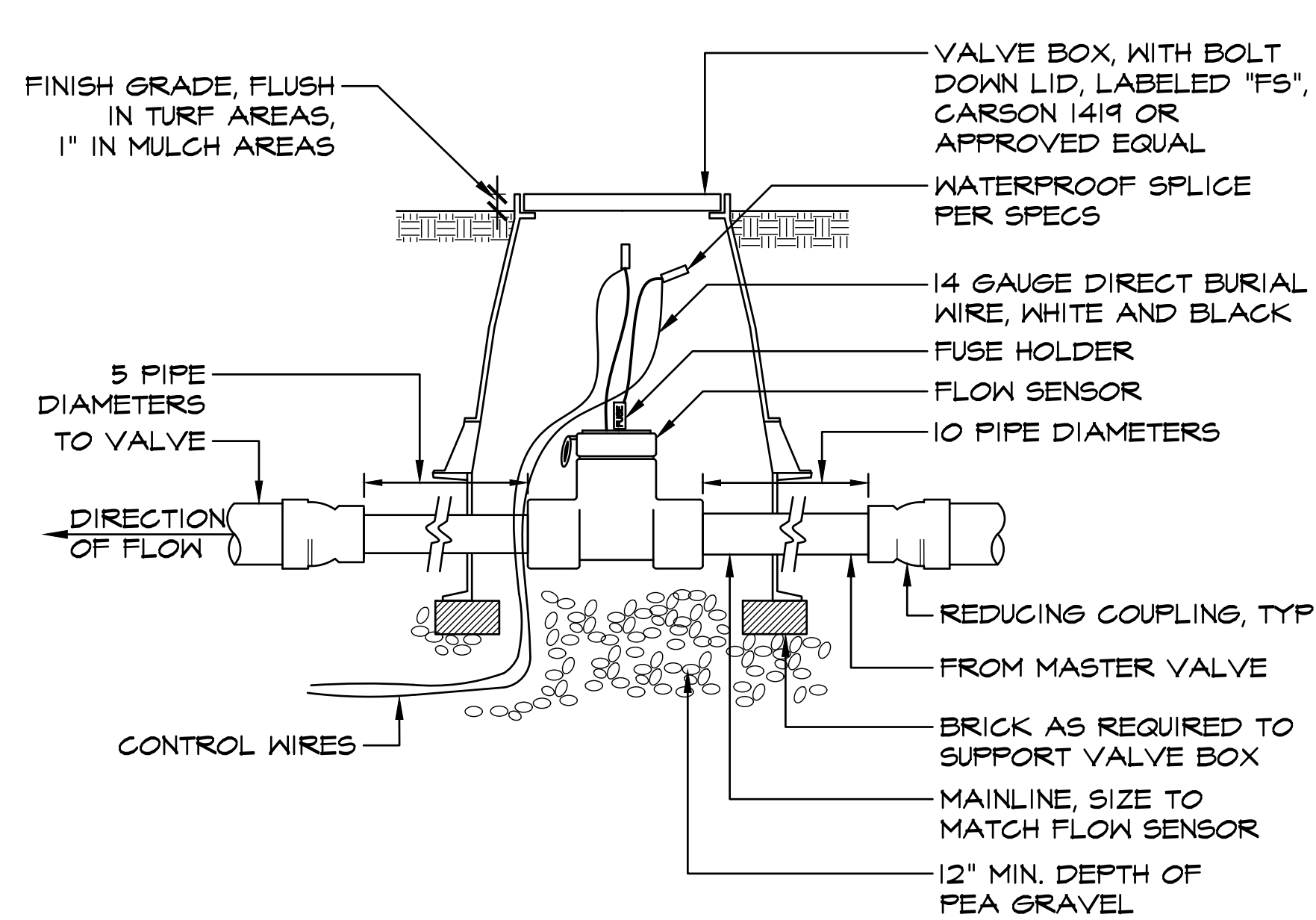
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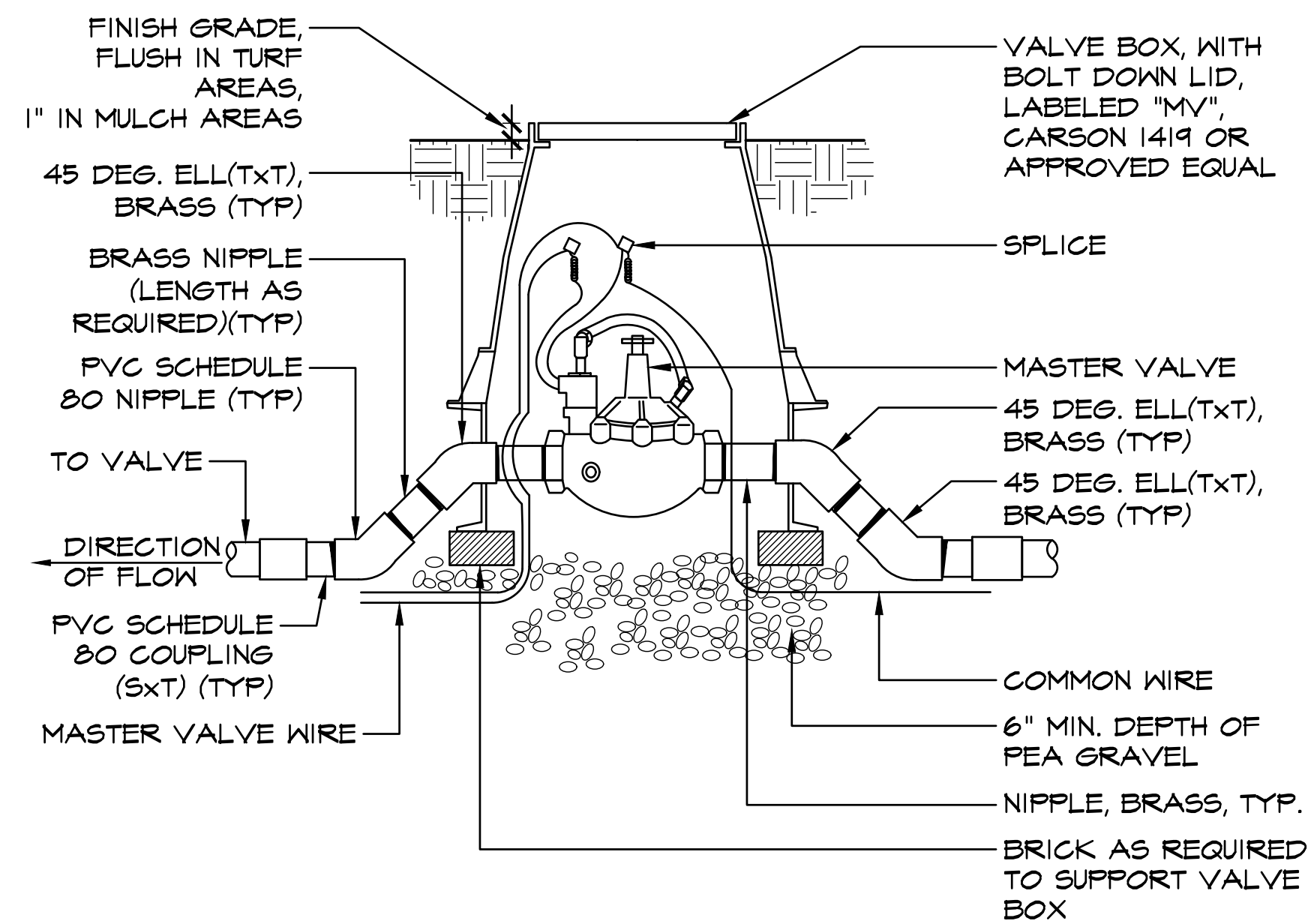


CITY OF CUPERTINO
 L3.0
 SHEET 19 OF 22

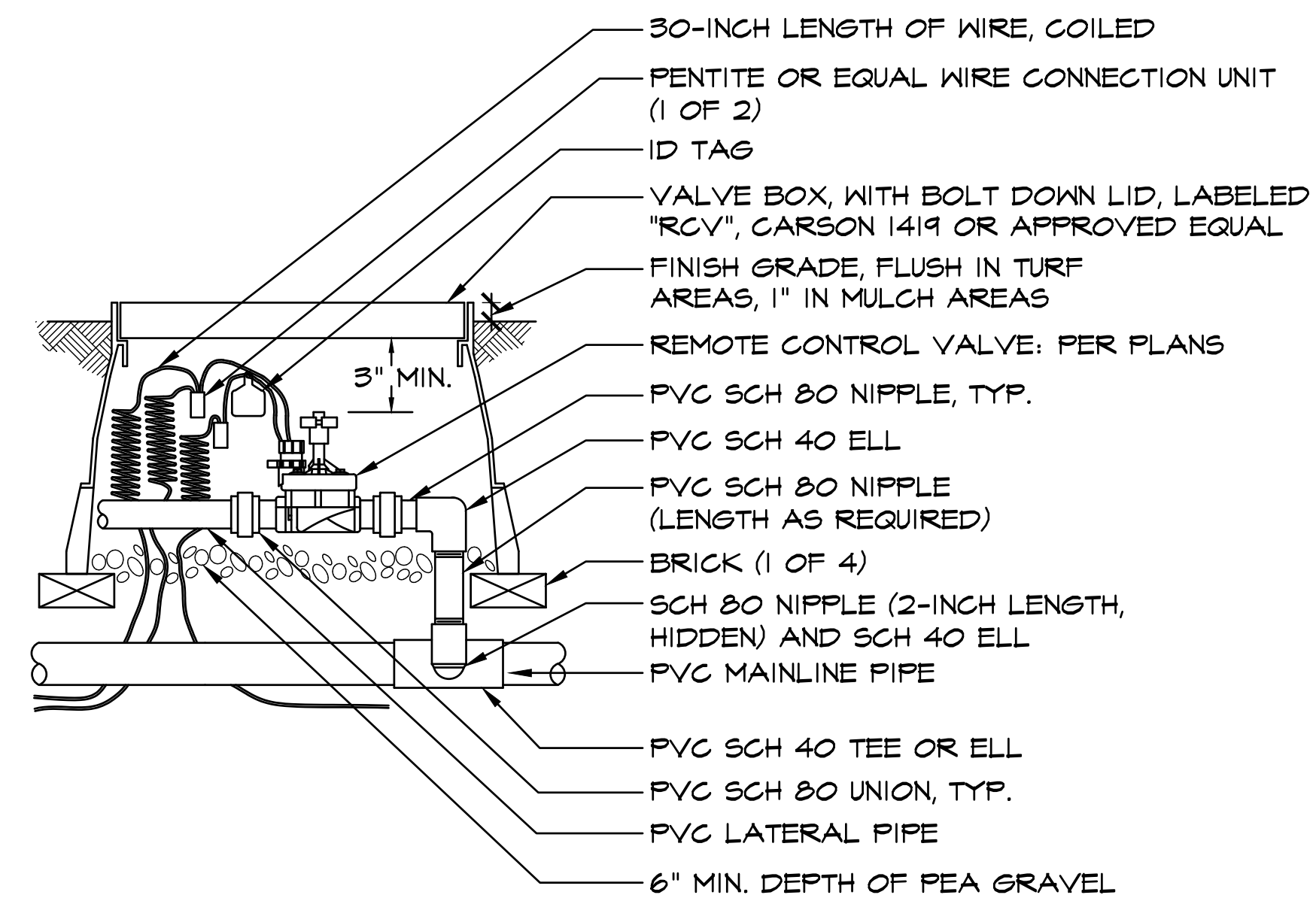
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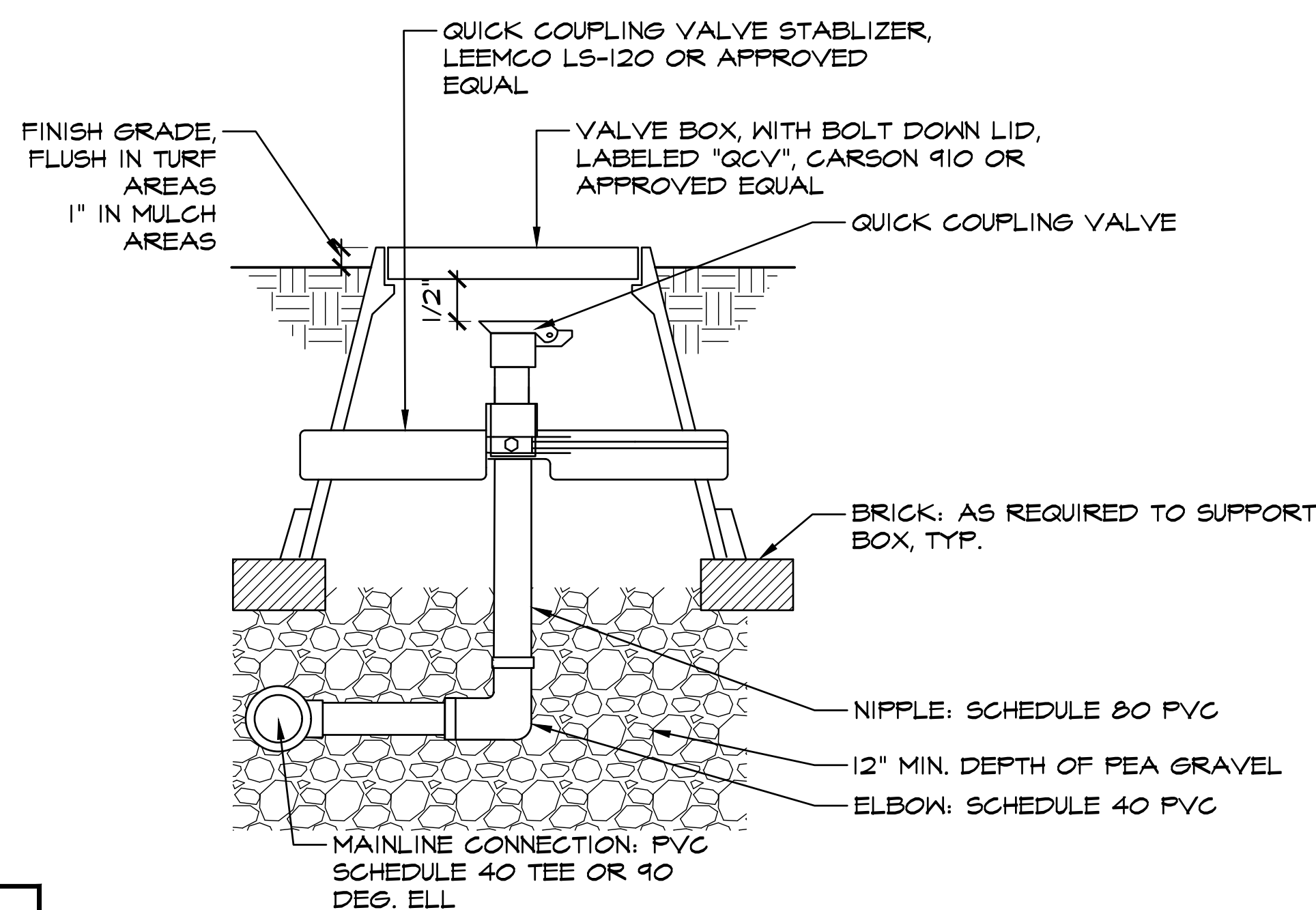
1 **FLOW SENSOR SECTION** N.T.S.
 L3.1 21056_FlowSensor_40.dwg



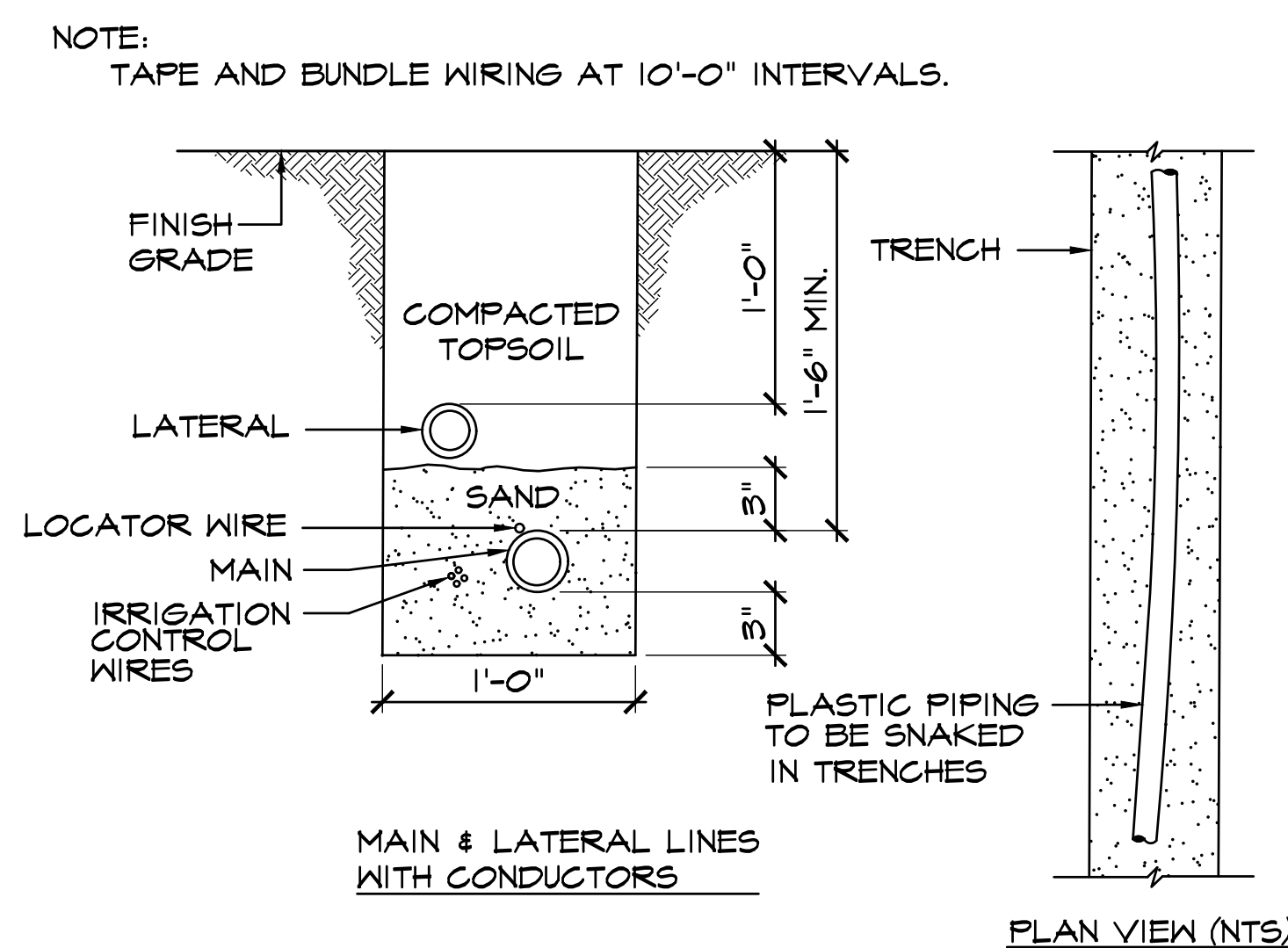
2 **MASTER VALVE SECTION** N.T.S.
 L3.1 21056_MasterValve_40.dwg



3 **REMOTE CONTROL VALVE SECTION** N.T.S.
 L3.1 21056_RemoteControlValve_1_4.dwg

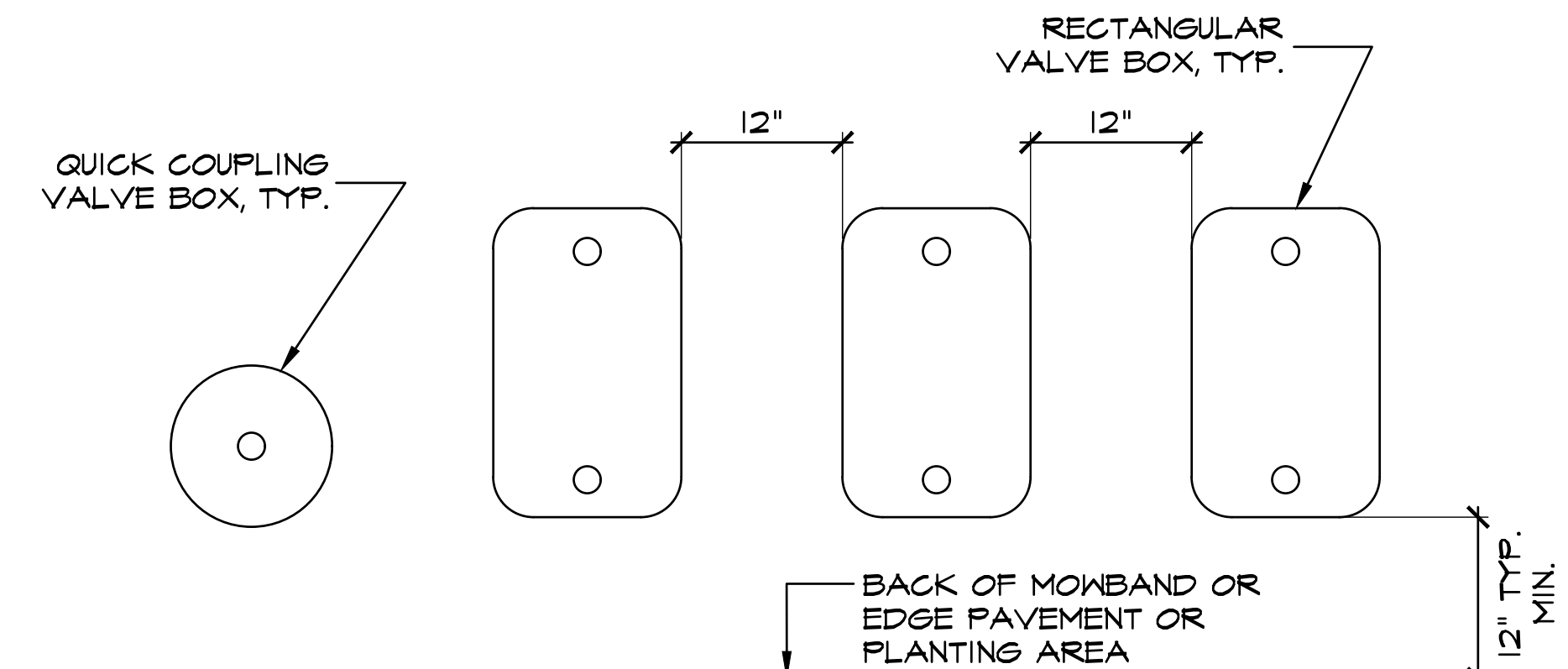


4 **QUICK COUPLER SECTION** N.T.S.
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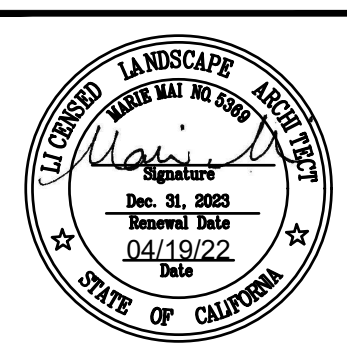


5 **IRRIGATION TRENCHING PLAN AND SECTION** N.T.S.
 L3.1 21056_IrrigationTrenching_8.dwg

NOTES:
 1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
 2. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREAS.
 3. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
 4. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOXES.



6 **VALVE BOX LAYOUT SECTION** N.T.S.
 L3.1 21056_MasterVBox_12.dwg



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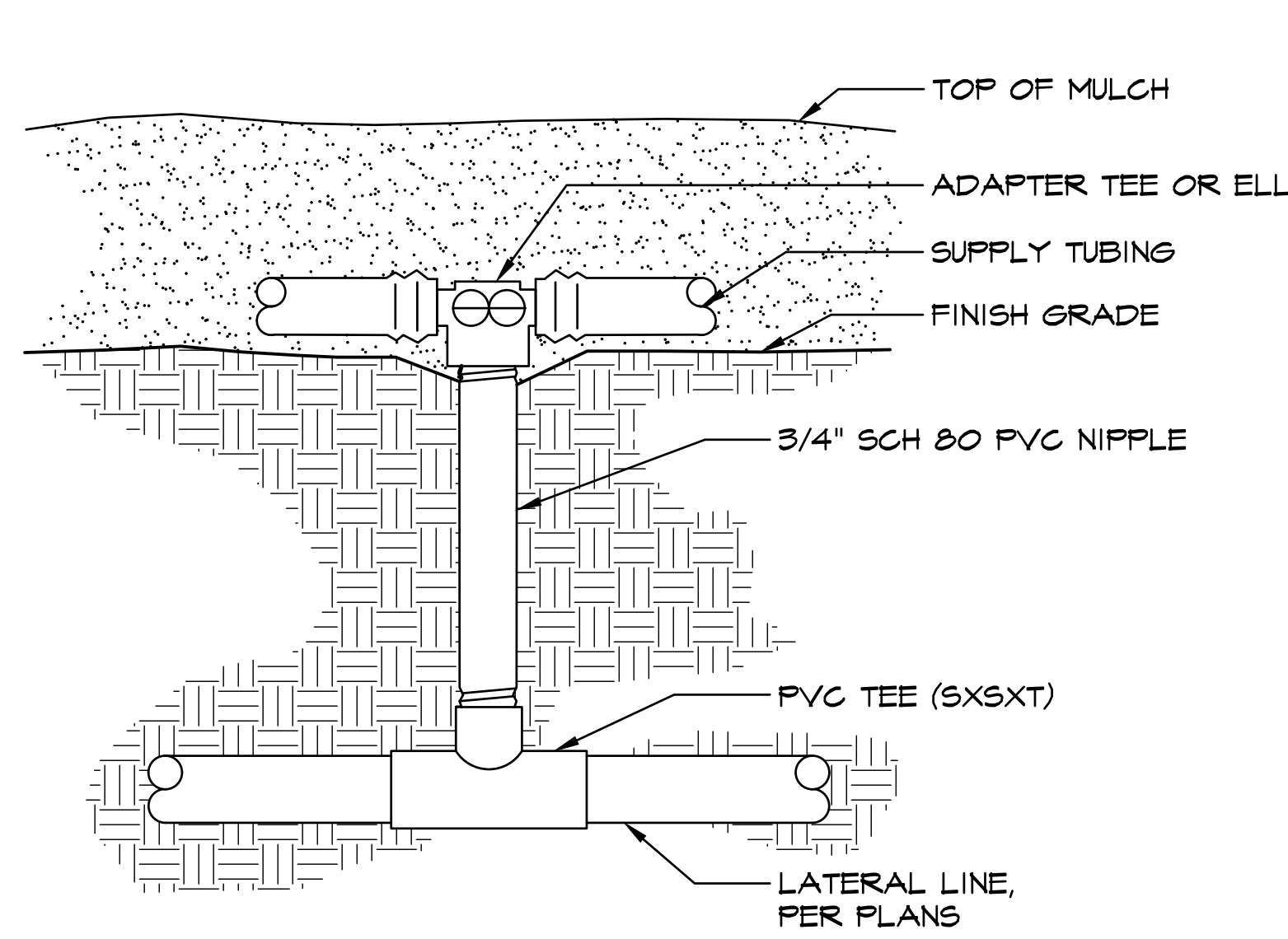
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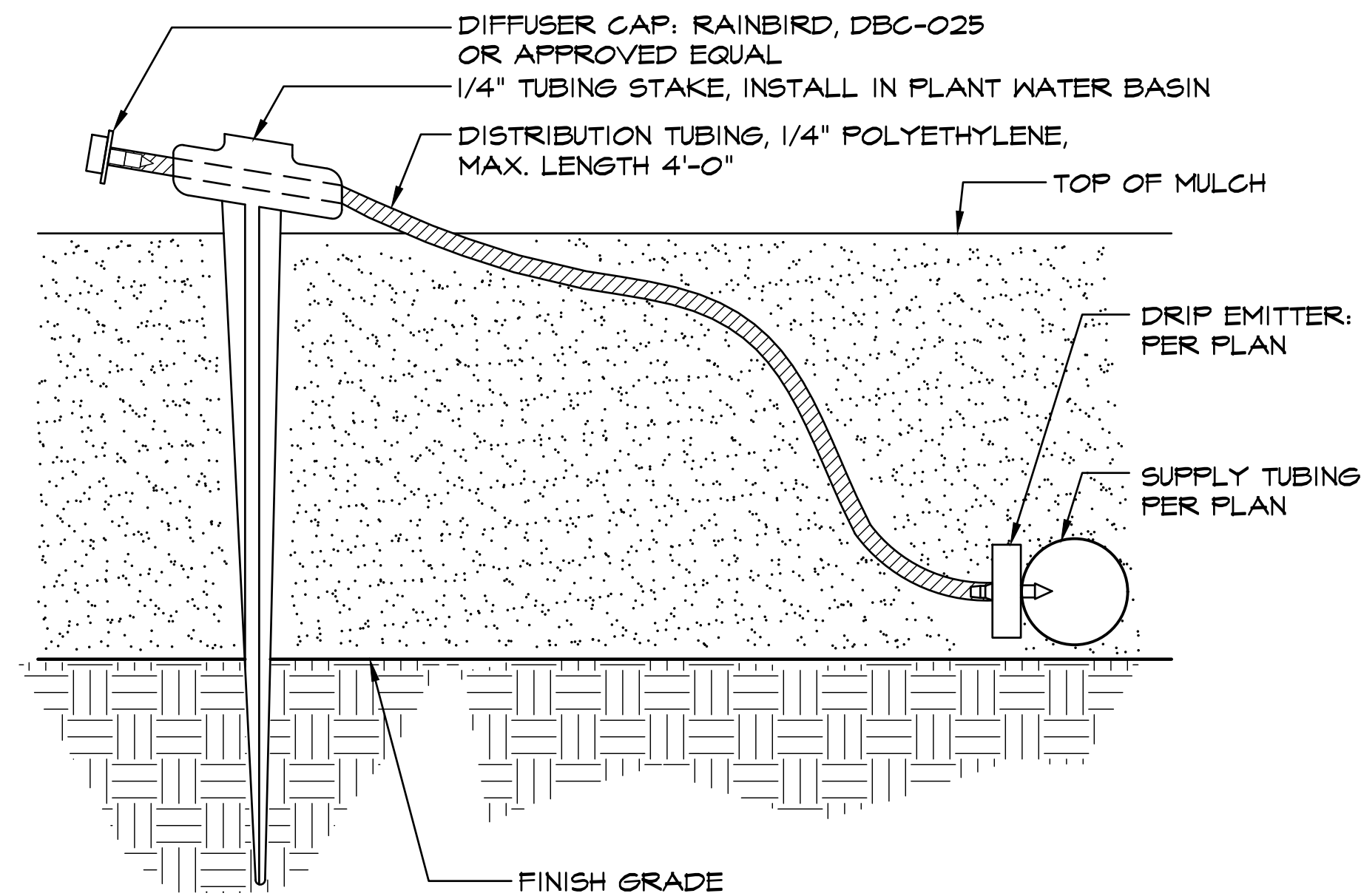


CITY OF CUPERTINO
 L3.1
 SHEET 20 OF 22

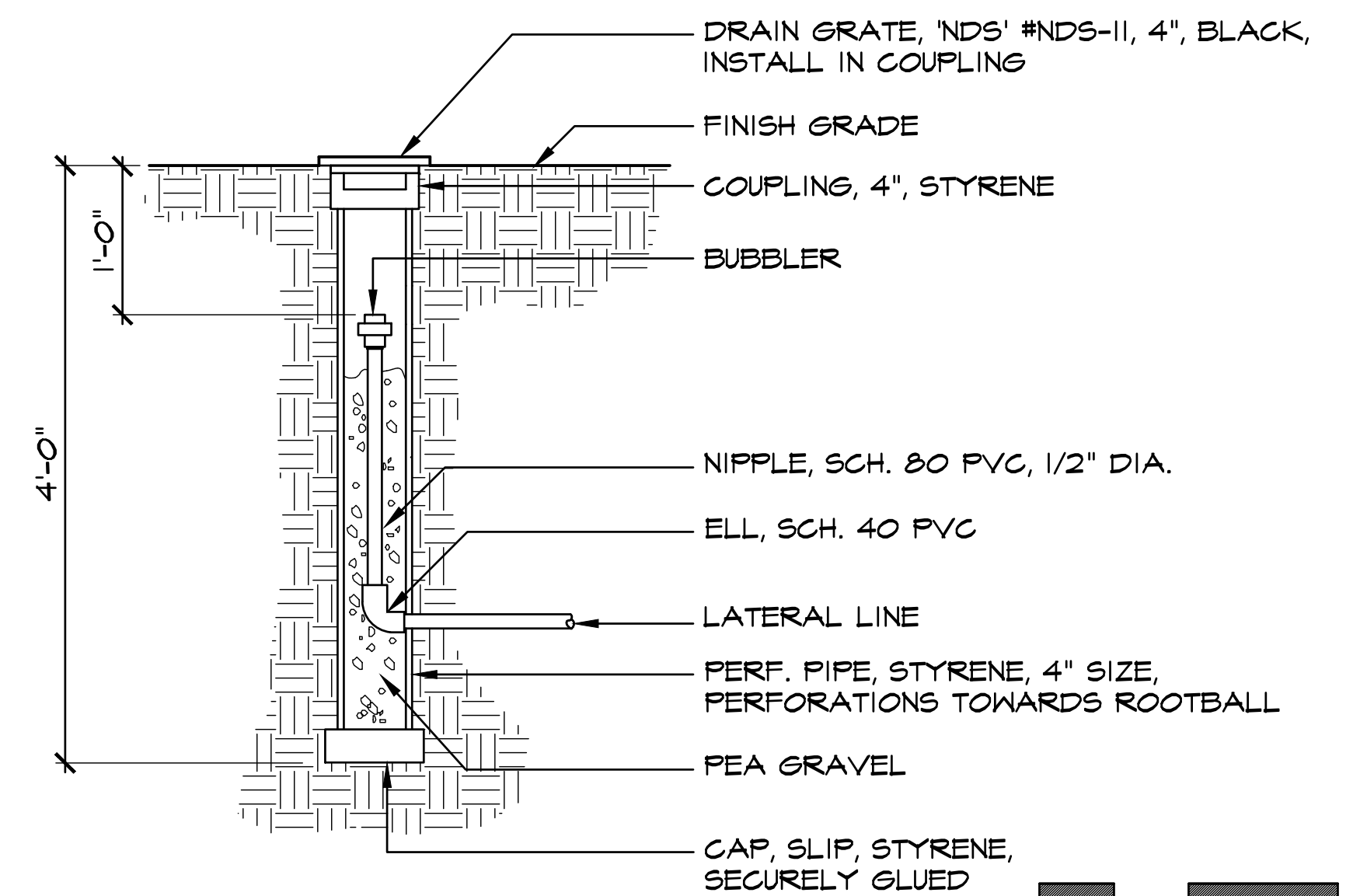
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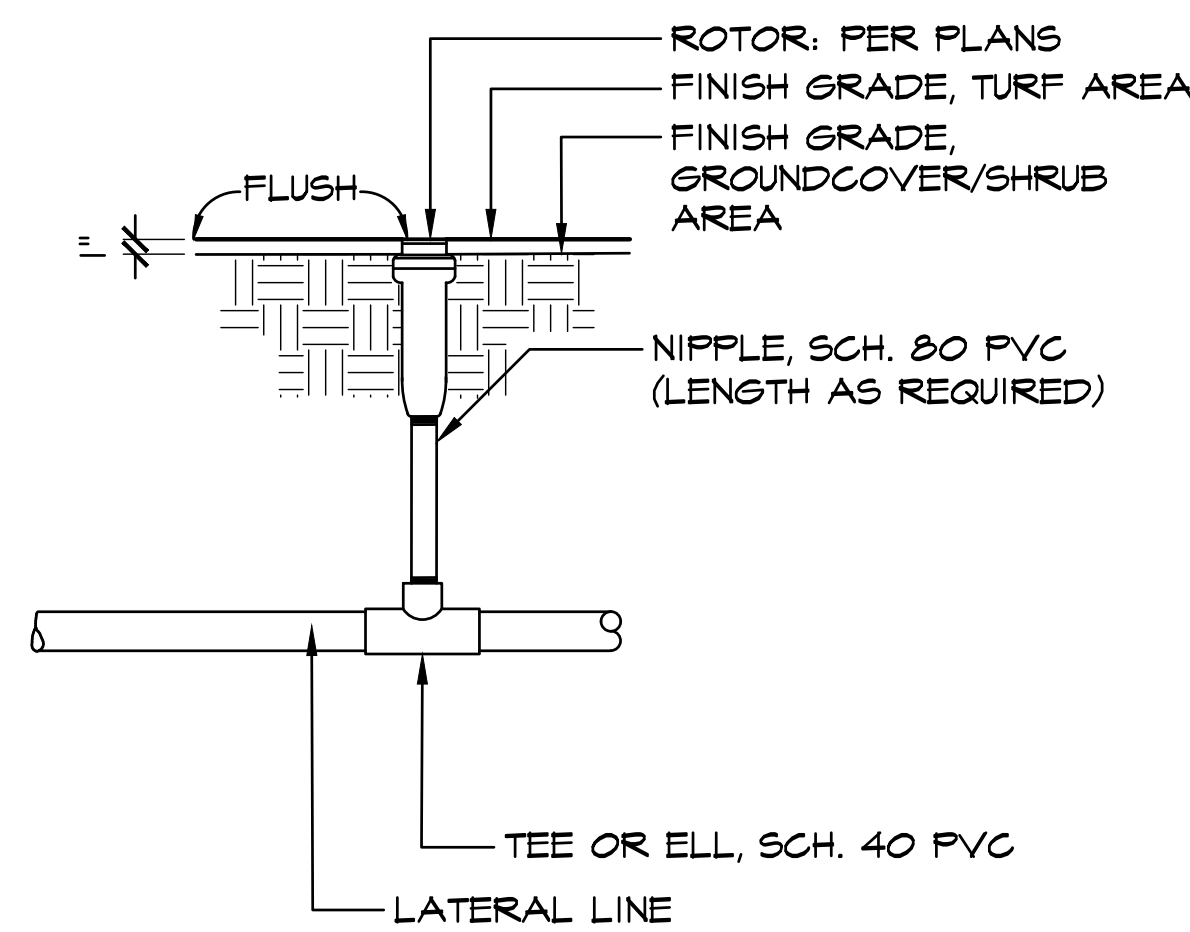
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L3.2 LATERAL/TUBING CONNECTION SECTION N.T.S.
 21056_LateralTubingAdapter_1.dwg



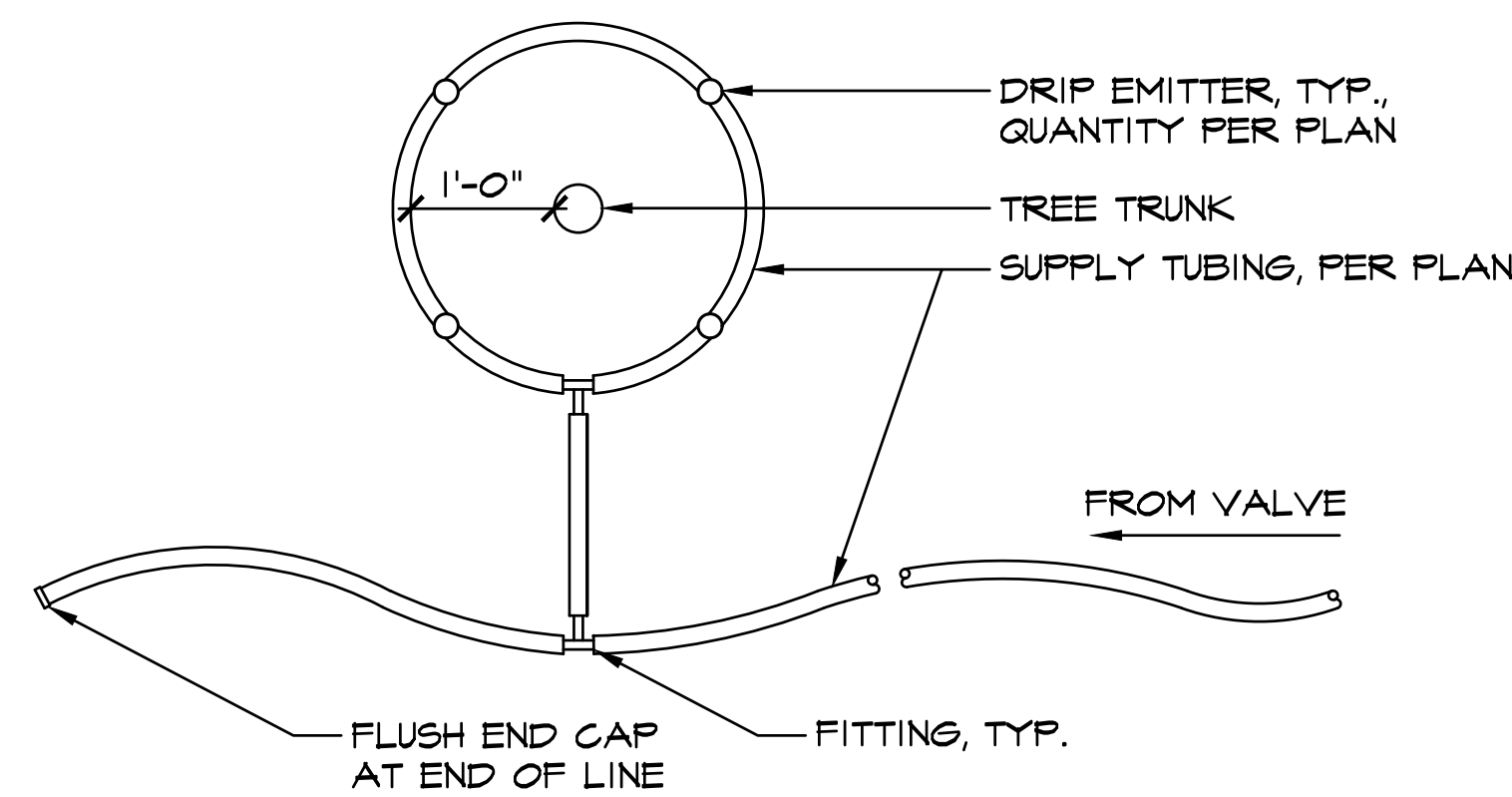
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L3.2 DRIP EMITTER ASSEMBLY SECTION N.T.S.
 02010 Drip Distribution Tube And Emitter 4.dwg



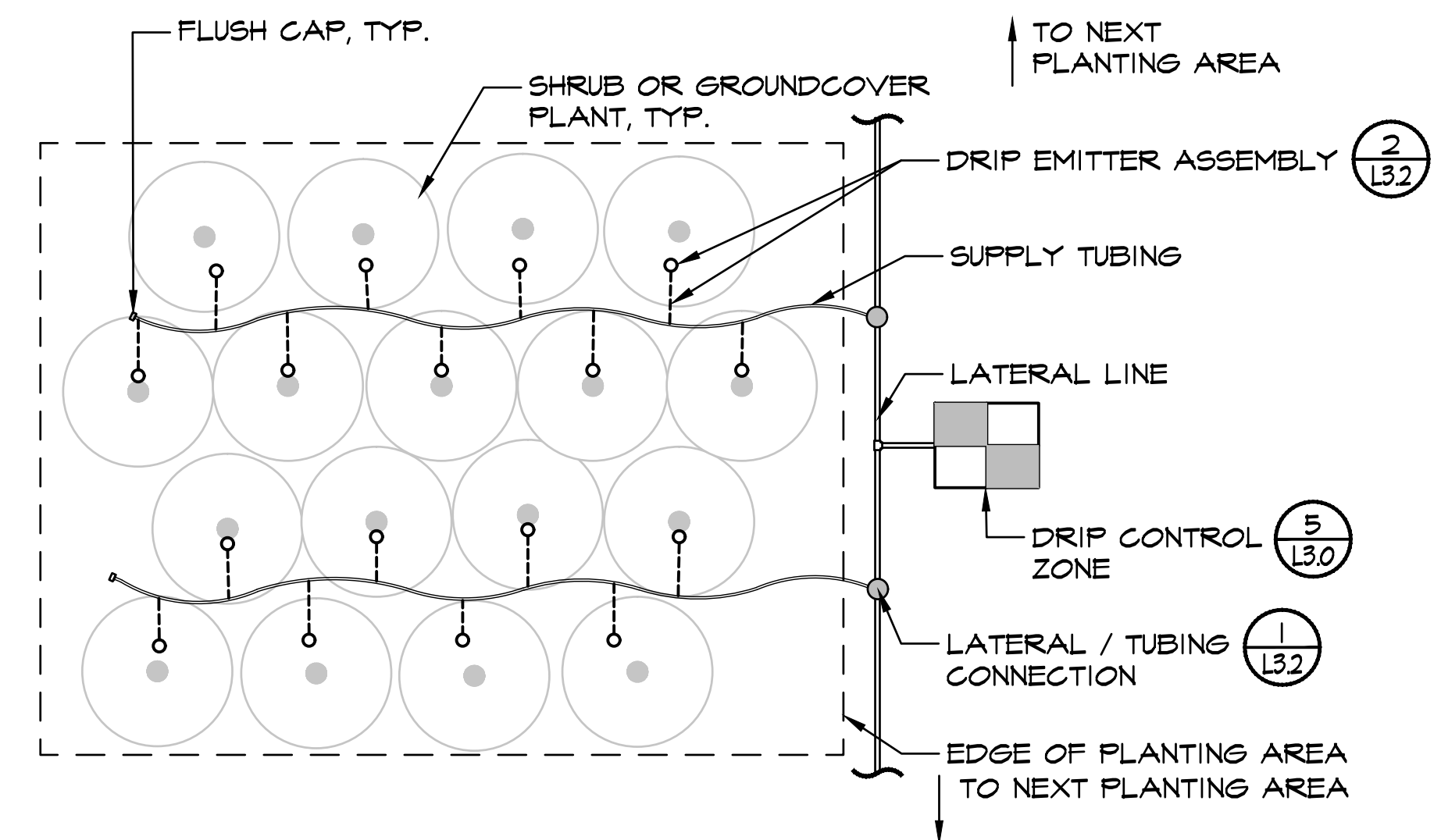
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L3.2 TREE BUBBLER SECTION
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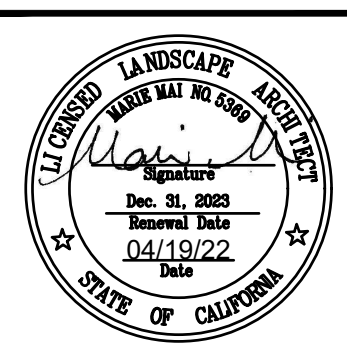
4
L3.2 ROTOR SECTION
 21056_Sprayhead_48.dwg



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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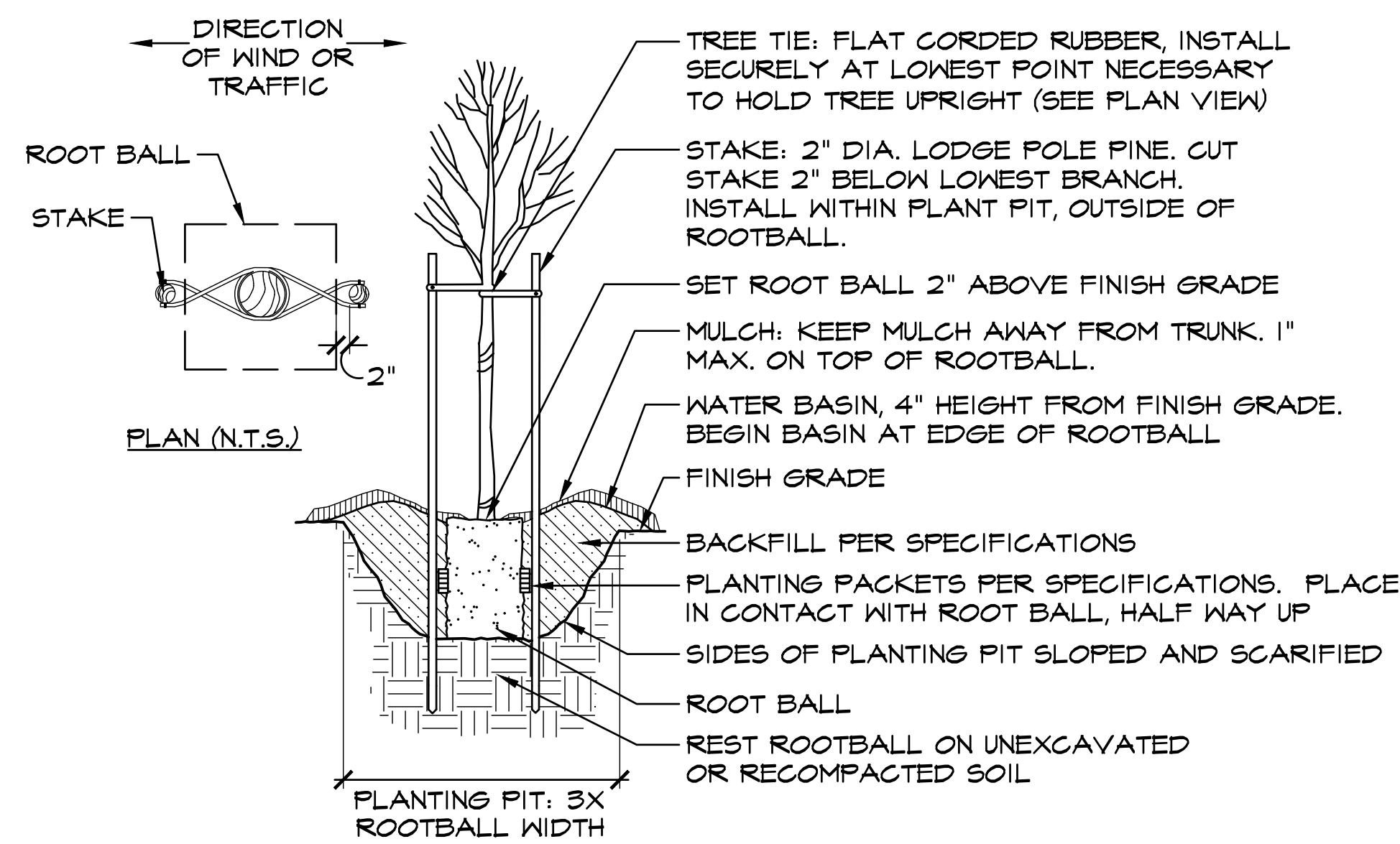
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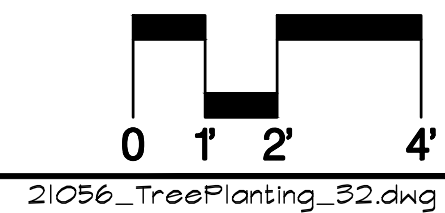


CITY OF CUPERTINO
L3.2

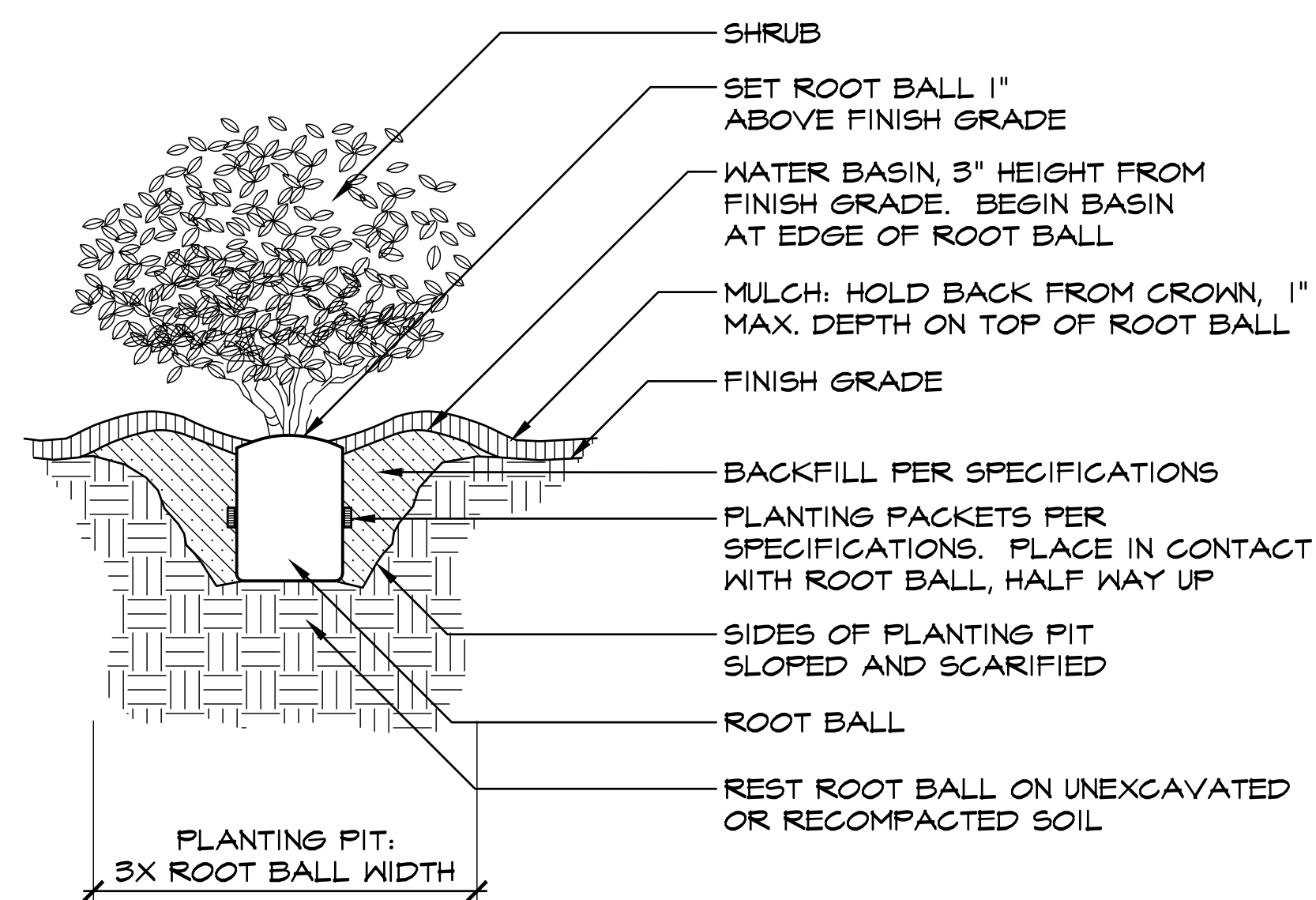
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1
L3.3 TREE PLANTING SECTION

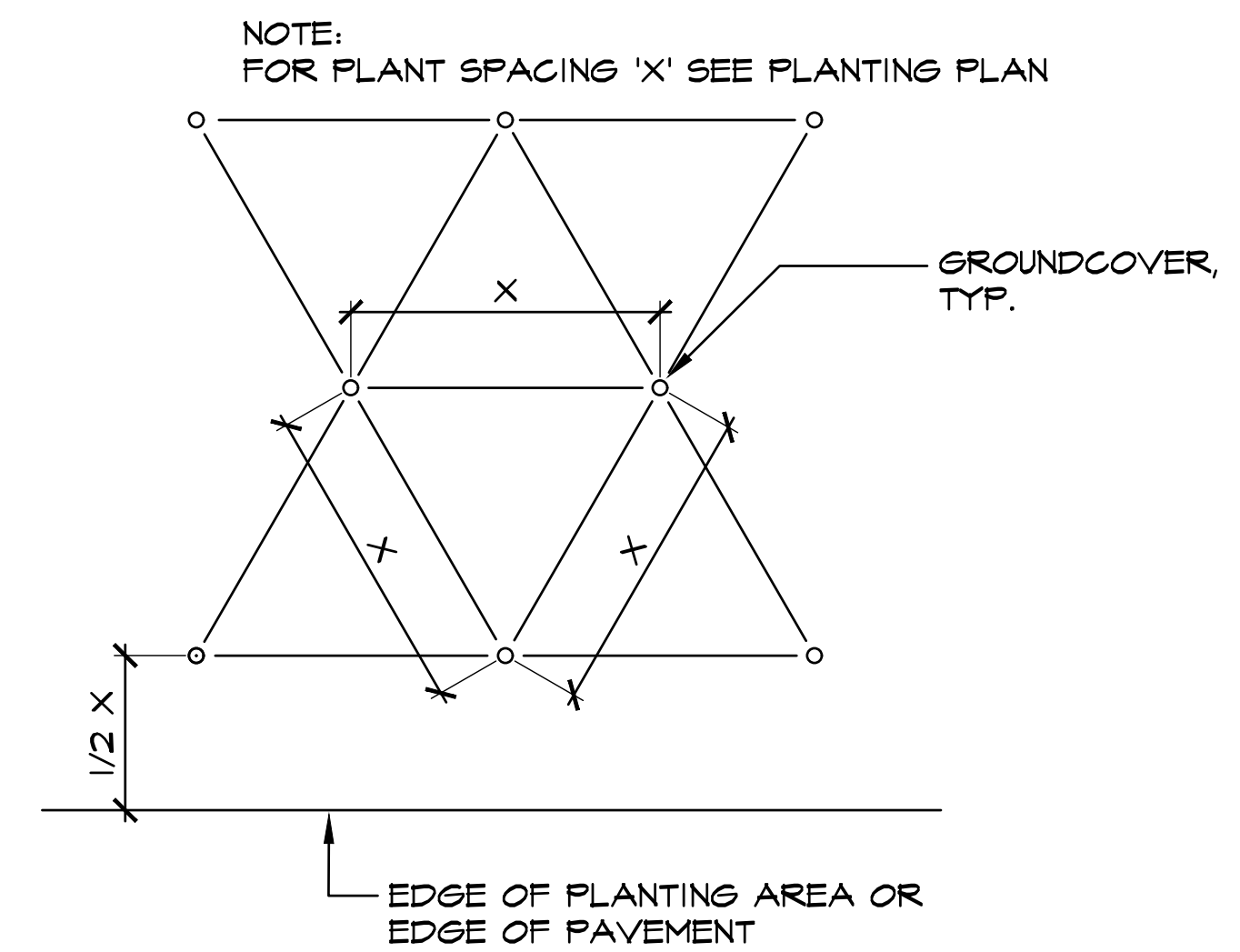


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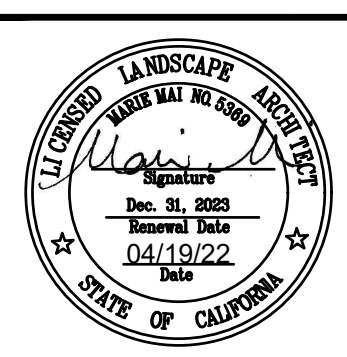
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L3.3 SHRUB PLANTING SECTION

N.T.S.
21056_ShrubPlanting_48.dwg



3
L3.3 GROUNDCOVER SPACING PLAN

N.T.S.
21056_GroundcoverSpacing_48.dwg



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CITY OF CUPERTINO
L3.3

SHEET 22 OF 22