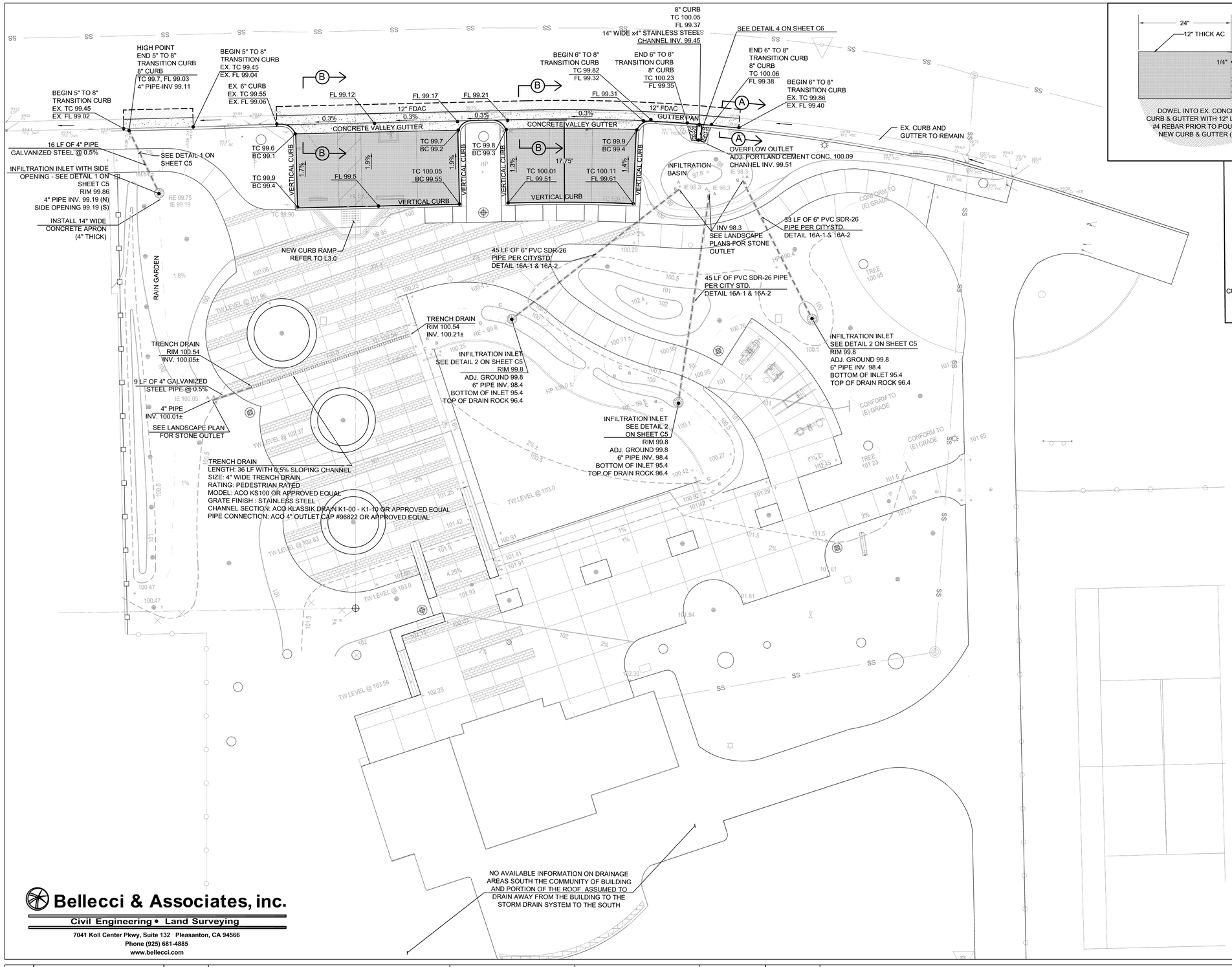

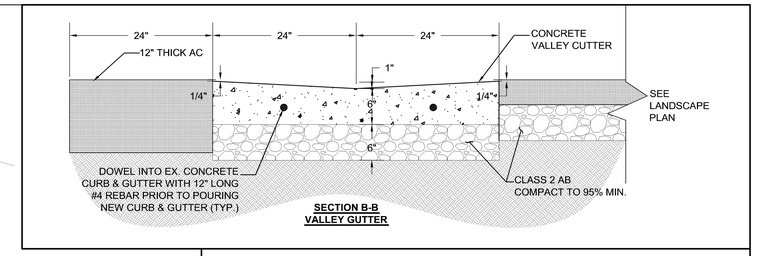

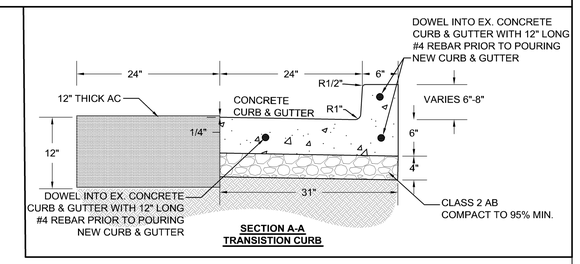

GENERAL NOTES:

1. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR SIGNING AND STRIPING INFORMATION
2. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR SEWER AND WATER SERVICE CONNECTION TO THE DRINKING FOUNTAIN
3. CURB AND GUTTER AND BASE SHALL BE INSTALLED PER CITY OF SUNNYVALE STANDARD DETAIL 15C DATED OCTOBER 18, 2013. GUTTER PAN WIDTH SHALL MATCH EXISTING GUTTER PAN.
4. VERTICAL CURB AND BASE SHALL BE INSTALLED PER CITY OF SUNNYVALE STANDARD DETAIL 15C DATED OCTOBER 18, 2013.
5. VALLEY GUTTER AND BASE SHALL BE INSTALLED PER CITY OF SUNNYVALE STANDARD DETAIL 16C.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRENCH DRAIN CHANNEL SECTIONS AND GRATES, INFILTRATION INLETS, STEEL CHANNEL IN CURB.
7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STORM DRAIN PIPE MATERIALS, UTILITY BACKFILL MATERIALS, CONCRETE MIX FOR CURB, GUTTER ASPHALT CONCRETE PAVING AND BASE MATERIALS.
8. DOWEL INTO EXISTING CURB AND GUTTER AT EITHER ENDS USING 12" LONG #4 REBARS.

LEGEND:

- INSTALL TYPE A 1/2" MAX MEDIUM AGGREGATE - 116 LF OF 12" FULL DEPTH ASPHALT CONCRETE
- INSTALL 75 LF OF CONCRETE VALLEY GUTTER & BASE AND 41 LF OF CONCRETE CURB AND GUTTER & BASE PER CITY STANDARD DETAILS
- INSTALL ASPHALT PAVING AND BASE (INCLUDE COMPACTION) AT PARKING - SEE LANDSCAPE PLAN FOR DETAILS AND SECTIONS
- STORM DRAIN PIPE SEE PLAN FOR DETAILS
- INFILTRATION INLET INSTALL - " NO DUMPING FLOWS TO BAY" MEDALLION AT EACH INLET
- TRENCH DRAIN

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Scale	1" = 10'
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ORCHARD GARDENS PARK EXPANSION PROJECT

STORM DRAINAGE PLAN

CITY OF SUNNYVALE CALIFORNIA

City of Sunnyvale
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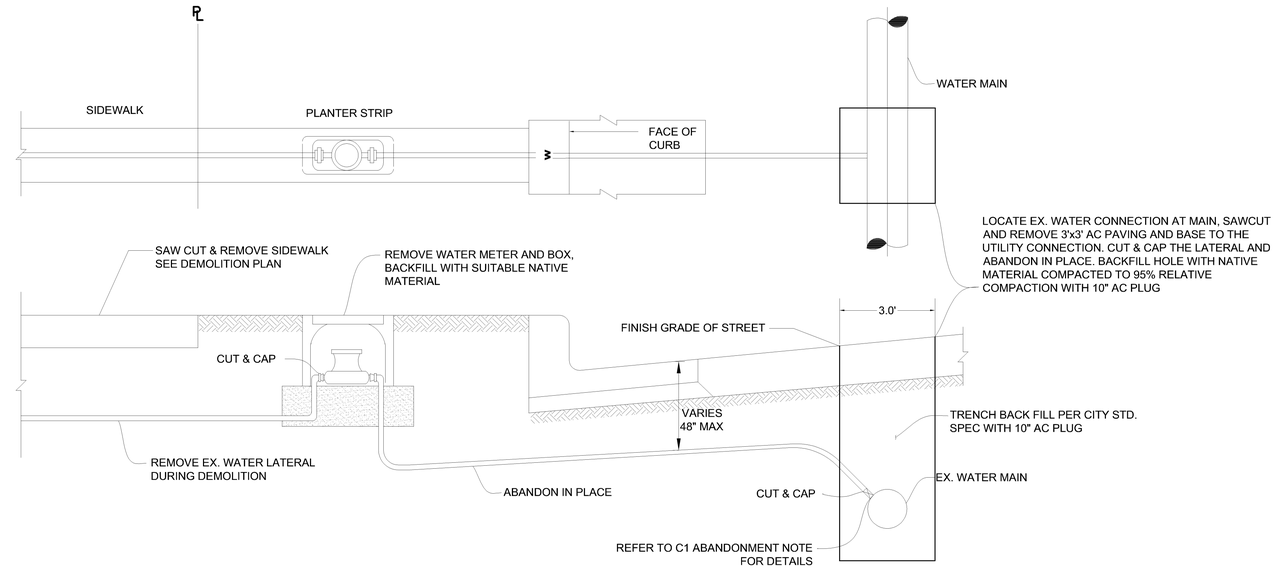
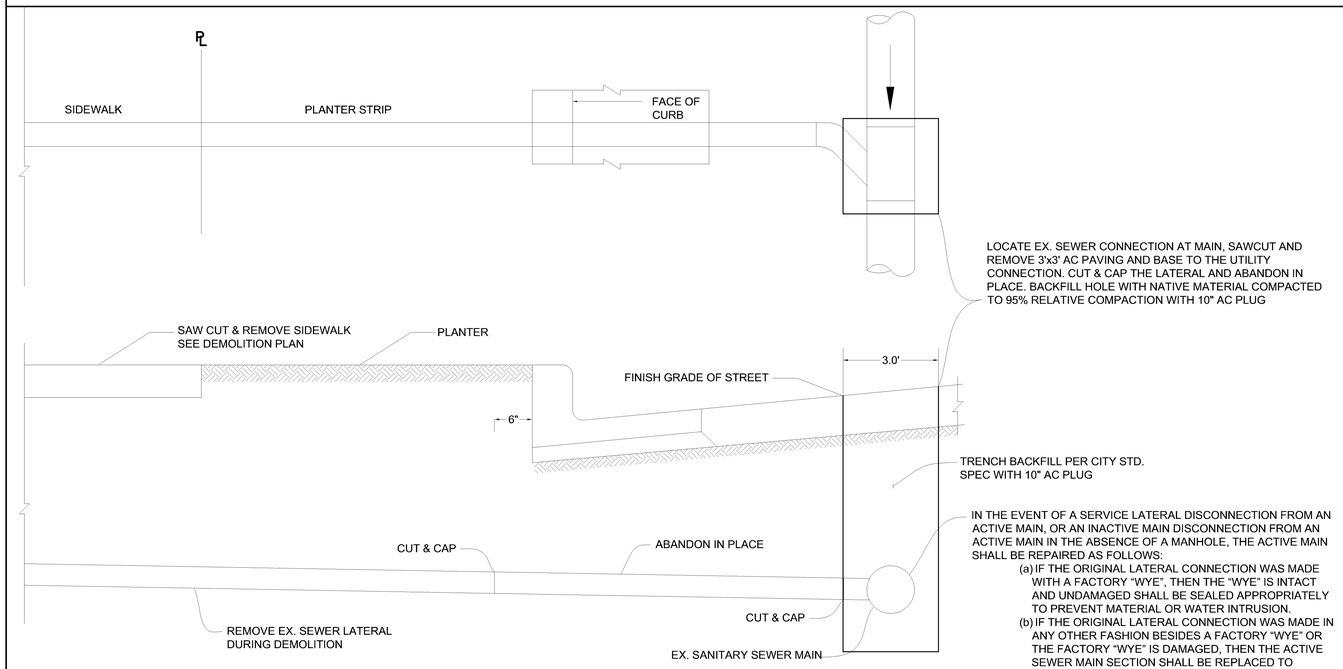


5 ABANDONED EXISTING WATER LATERAL

NTS



IN THE EVENT OF A SERVICE LATERAL DISCONNECTION FROM AN ACTIVE MAIN, OR AN INACTIVE MAIN DISCONNECTION FROM AN ACTIVE MAIN IN THE ABSENCE OF A MANHOLE, THE ACTIVE MAIN SHALL BE REPAIRED AS FOLLOWS:

(a) IF THE ORIGINAL LATERAL CONNECTION WAS MADE WITH A FACTORY "WYE", THEN THE "WYE" IS INTACT AND UNDAMAGED SHALL BE SEALED APPROPRIATELY TO PREVENT MATERIAL OR WATER INTRUSION.

(b) IF THE ORIGINAL LATERAL CONNECTION WAS MADE IN ANY OTHER FASHION BESIDES A FACTORY "WYE" OR THE FACTORY "WYE" IS DAMAGED, THEN THE ACTIVE SEWER MAIN SECTION SHALL BE REPLACED TO ELIMINATE THE EXISTING CONNECTION POINT IN ORDER TO ADEQUATELY SEAL THE MAIN.

(c) THE MAIN SECTION TO BE REPLACED SHALL EXTEND TO THE NEAREST FACTORY PIPE "BELL" OR JOINT AS APPLICABLE.

6 ABANDONED EXISTING SANITARY SEWER LATERAL

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ORCHARD GARDENS PARK EXPANSION PROJECT

CIVIL DETAILS

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Sheet C4 of

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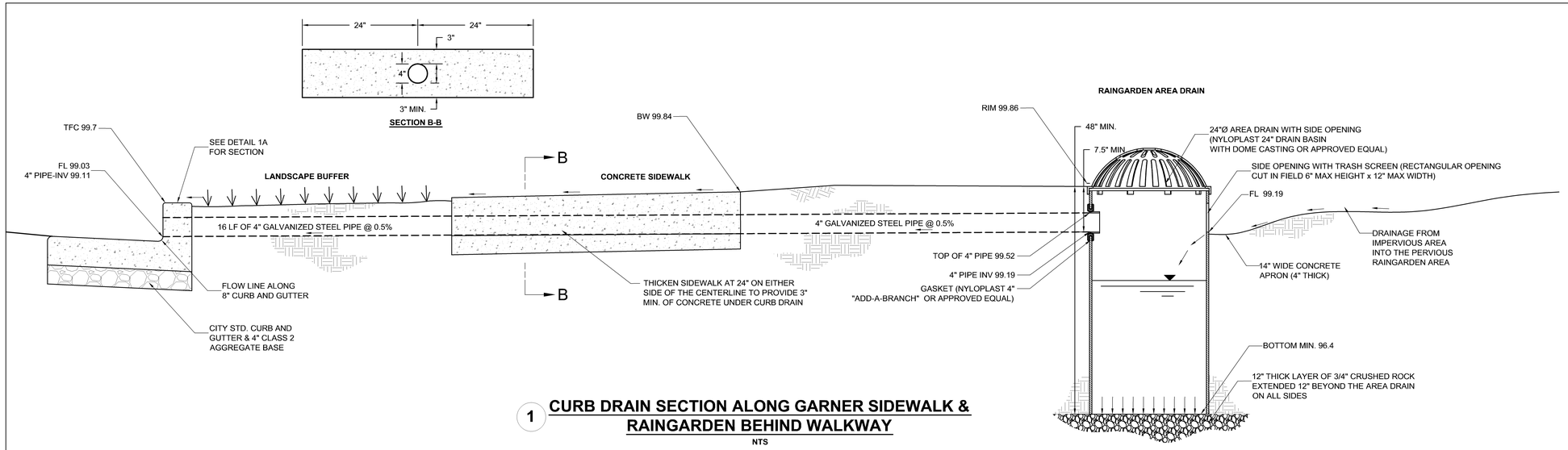
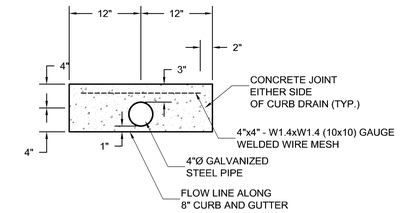


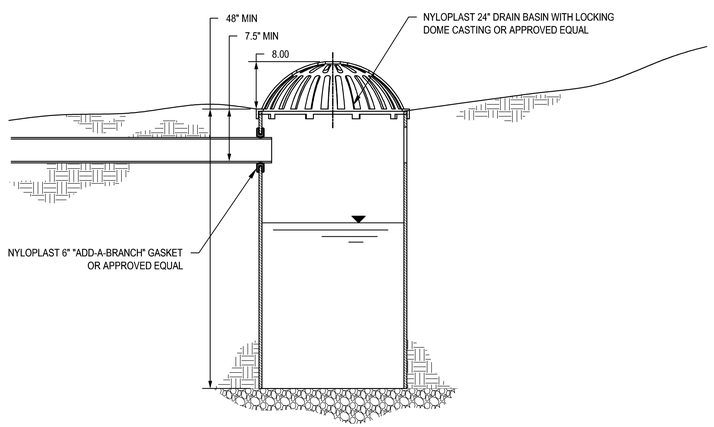
1 CURB DRAIN SECTION ALONG GARNER SIDEWALK & RAINGARDEN BEHIND WALKWAY

NTS



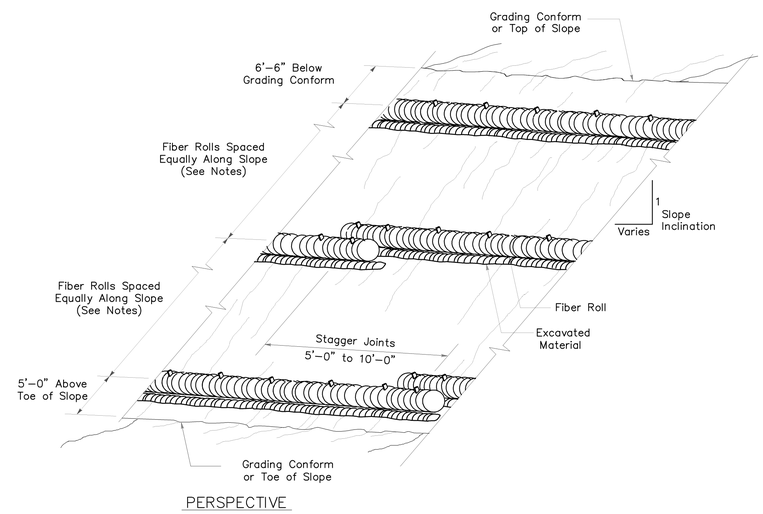
1A 4"Ø CURB DRAIN SECTION AT FACE OF CURB

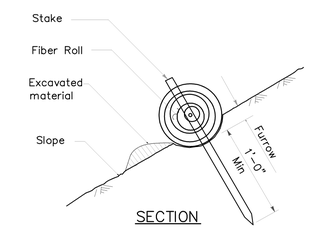
NTS



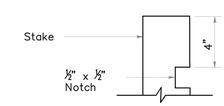
2 INFILTRATION DRAIN BASIN

NTS





TEMPORARY FIBER ROLL
(TYPE 1)



ELEVATION

STAKE NOTCH DETAIL

NOTES:

1. Temporary fiber roll spacing varies depending upon slope inclination.
2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.

3 TEMPORARY FIBER ROLL

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ORCHARD GARDENS PARK EXPANSION PROJECT

CIVIL DETAILS

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City of Sunnyvale
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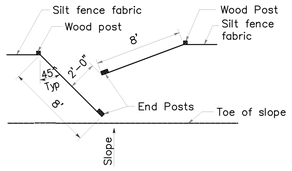
ORIGINAL SCALE IS IN INCHES
0 1 2 3

NOTES:

1. Install Temporary Silt Fence by first digging trench, driving posts, placing and securing fabric. Then backfill and tamp.
2. Reach length not to exceed 500 feet.
3. The down stream end of the Temporary Silt Fence shall have the last 8' angled up slope.
4. Setback dimensions may vary to fit field conditions.
5. Posts to overlap and fence fabric to fold around each post one full turn. Secure fabric with 4 staples for each post.
6. Posts shall be driven tightly together to prevent potential flow–through of sediment at the joint. The tops of the posts shall be secured to each other with wire.
7. For each end post, fence fabric shall be folded around two posts one full turn and secured with 4 staples.
8. Minimum of 4 staples shall be installed per post. Dimensions shown are typical.
9. Maintenance openings shall be constructed in a manner to ensure that sediment is retained by the temporary silt fence.
10. Joint sections shall not be placed at sump locations.

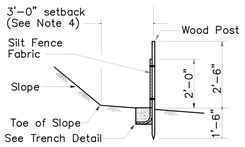
LEGEND

- Tamped backfill
- Slope direction
- Direction of flow



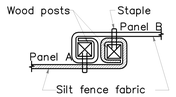
PLAN

OPTIONAL MAINTENANCE OPENING DETAIL



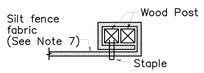
SECTION A–A

TEMPORARY SILT FENCE



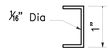
PLAN

POST AT JOINTS



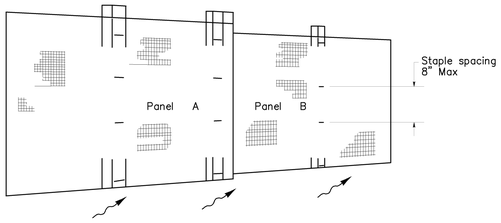
PLAN

END POST DETAIL



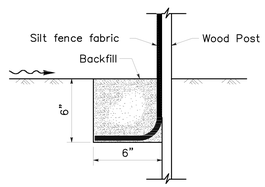
STAPLE DETAIL

(See Note 8)



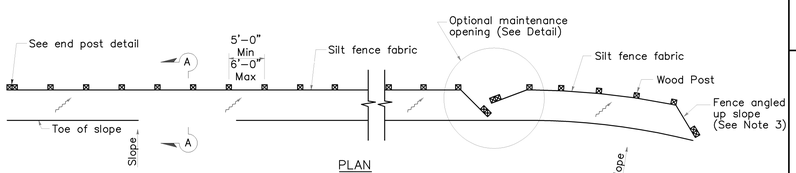
PERSPECTIVE

SILT FENCE PANELS AT JOINTS



SECTION

TRENCH DETAIL



PLAN

TEMPORARY SILT FENCE

5 TEMPORARY SILT FENCE

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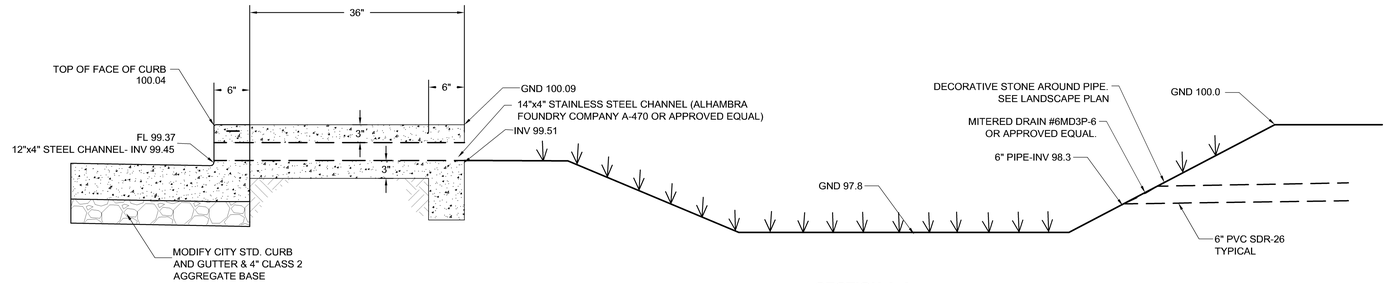

SECTION A-A

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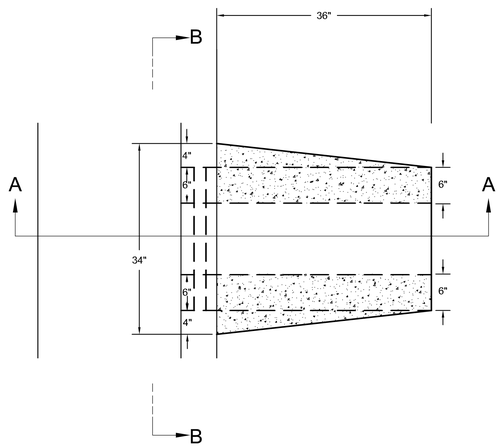

PLAN VIEW

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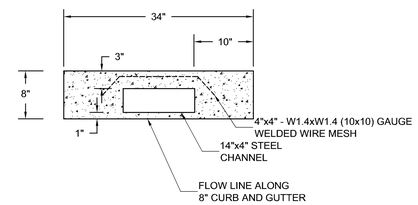

SECTION B-B

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4 INFILTRATION BASIN

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ORCHARD GARDENS PARK EXPANSION PROJECT

CIVIL DETAILS

CITY OF SUNNYVALE CALIFORNIA

City of Sunnyvale
Santa Clara County
California

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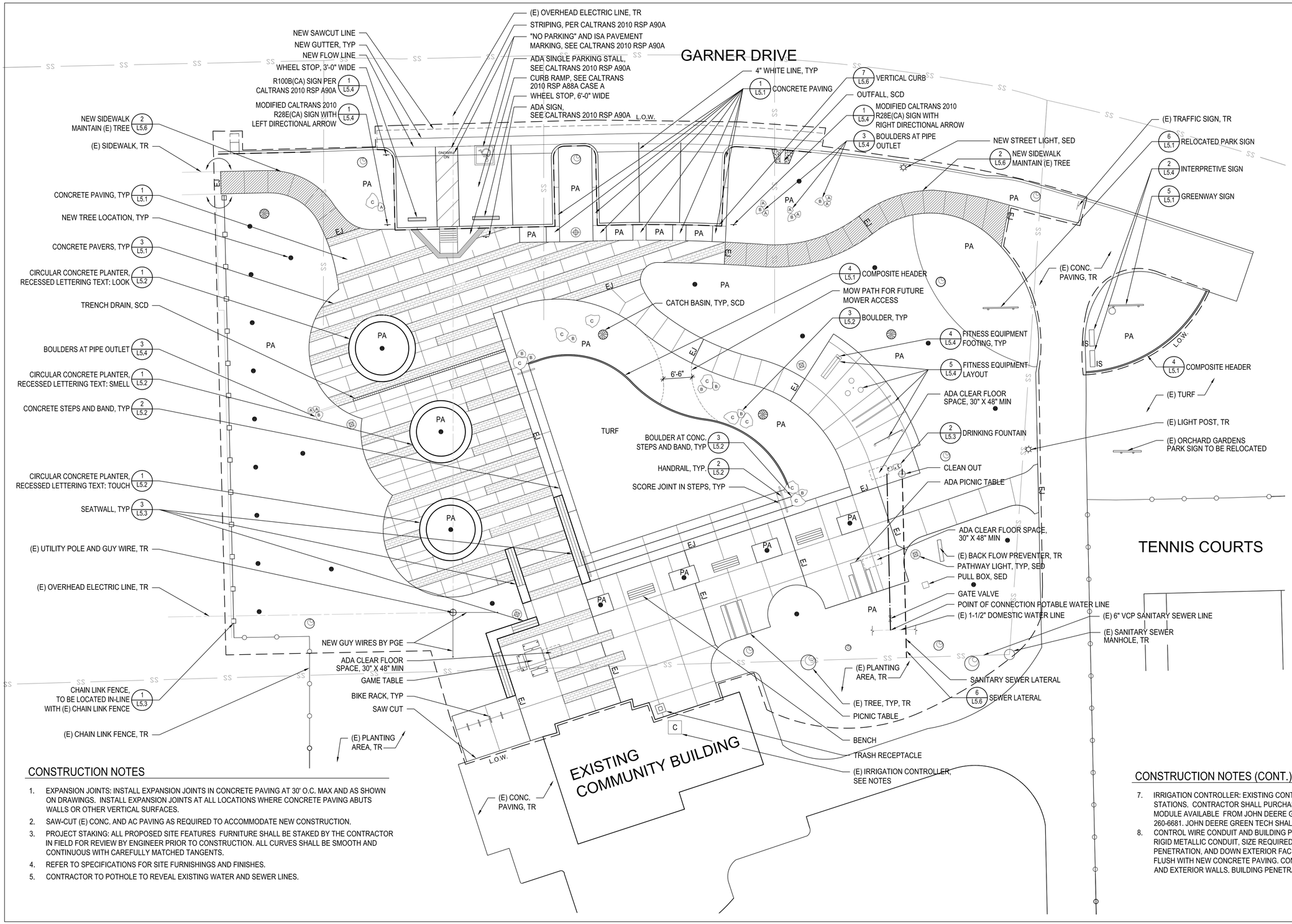

SITE CONSTRUCTION LEGEND

- DETAIL # / SHEET # (3 / L1.1)
- CONCRETE PAVING (1 / L5.1)
- EXPANSION JOINT, TYP (2 / L5.1)
- SCORE JOINT, TYP (2 / L5.1)
- CONCRETE PAVERS, TYP (3 / L5.1)
- CONCRETE PAVING, CITY STD SIDEWALK
- WHEEL STOP, PER SPECS
- CHAIN LINK FENCE (1 / L5.3)
- EXISTING CHAIN LINK FENCE, TR
- PICNIC TABLE, PER SPECS
- ADA PICNIC TABLE, PER SPECS
- BENCH, PER SPECS
- GAME TABLE W/ ADA SPACE, PER SPECS
- TRASH RECEPTACLE, PER SPECS
- BIKE RACK, PER SPECS
- INTERPRETIVE SIGN (2 / L5.4)
- DRINKING FOUNTAIN, PER SPECS
- PATHWAY LIGHT, SEE ELECTRICAL DRAWINGS (SED)
- CATCH BASIN (SCD)
- EXISTING TREE LOCATION
- NEW TREE LOCATION
- CLEAN OUT
- SANITARY SEWER MANHOLE
- BOULDERS, SEE SPECS
- PA — PLANTING AREA
- ADA CLEAR FLOOR SPACE, 30" X 48" MIN
- DOMESTIC WATER LINE COPPER TYPE K, 1" DIA. 24" BURIAL
- (E) 1--1/2" DOMESTIC WATER LINE
- SANITARY SEWER LATERAL, 2" PVC
- (E) 6" SANITARY SEWER LINE (VCP)
- L.O.W.
- NIBCO T-113 GATE VALVE FOR 1" DIA. COPPER DOMESTIC WATER LINE WITH PLASTIC VALVE BOX LABELLED POTABLE WATER, SIZE AS REQ'D
- C — (E) IRRIGATION CONTROLLER, SEE NOTES

CONSTRUCTION NOTES

1. EXPANSION JOINTS: INSTALL EXPANSION JOINTS IN CONCRETE PAVING AT 30' O.C. MAX AND AS SHOWN ON DRAWINGS. INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE CONCRETE PAVING ABUTS WALLS OR OTHER VERTICAL SURFACES.
2. SAW-CUT (E) CONC. AND AC PAVING AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
3. PROJECT STAKING: ALL PROPOSED SITE FEATURES FURNITURE SHALL BE STAKED BY THE CONTRACTOR IN FIELD FOR REVIEW BY ENGINEER PRIOR TO CONSTRUCTION. ALL CURVES SHALL BE SMOOTH AND CONTINUOUS WITH CAREFULLY MATCHED TANGENTS.
4. REFER TO SPECIFICATIONS FOR SITE FURNISHINGS AND FINISHES.
5. CONTRACTOR TO POTHOLE TO REVEAL EXISTING WATER AND SEWER LINES.

CONSTRUCTION NOTES (CONT.)

7. IRRIGATION CONTROLLER: EXISTING CONTROLLER IS A RAINMASTER EVOLUTION DX2 WITH 24 STATIONS. CONTRACTOR SHALL PURCHASE AND INSTALL A MODEL #DX-UPGD24-48 EXPANSION MODULE AVAILABLE FROM JOHN DEERE GREEN TECH, REPRESENTATIVE KATHLEEN HARLEY (925) 260-6681. JOHN DEERE GREEN TECH SHALL INSTALL THE EXPANSION MODULE.
8. CONTROL WIRE CONDUIT AND BUILDING PENETRATION: CONTRACTOR SHALL INSTALL GALVANIZED RIGID METALLIC CONDUIT, SIZE REQUIRED, FROM EXISTING CONTROLLER, THROUGH A NEW WALL PENETRATION, AND DOWN EXTERIOR FACE OF BUILDING TO A NEW CONCRETE PULL BOX INSTALLED FLUSH WITH NEW CONCRETE PAVING. CONDUIT SHALL BE FIRMLY ATTACHED TO FACE OF INTERIOR AND EXTERIOR WALLS. BUILDING PENETRATION SHALL BE WATERPROOFED.

0 5 10 20 30
SCALE: 1"=10'-0"
NORTH

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LICENSED LANDSCAPE ARCHITECT — WILLIAM S. HARRIS — 08–31–14 — STATE OF CALIFORNIA

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ORCHARD GARDENS PARK EXPANSION PROJECT

SITE CONSTRUCTION PLAN

CITY OF SUNNYVALE CALIFORNIA

City of Sunnyvale
Santa Clara County
California

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