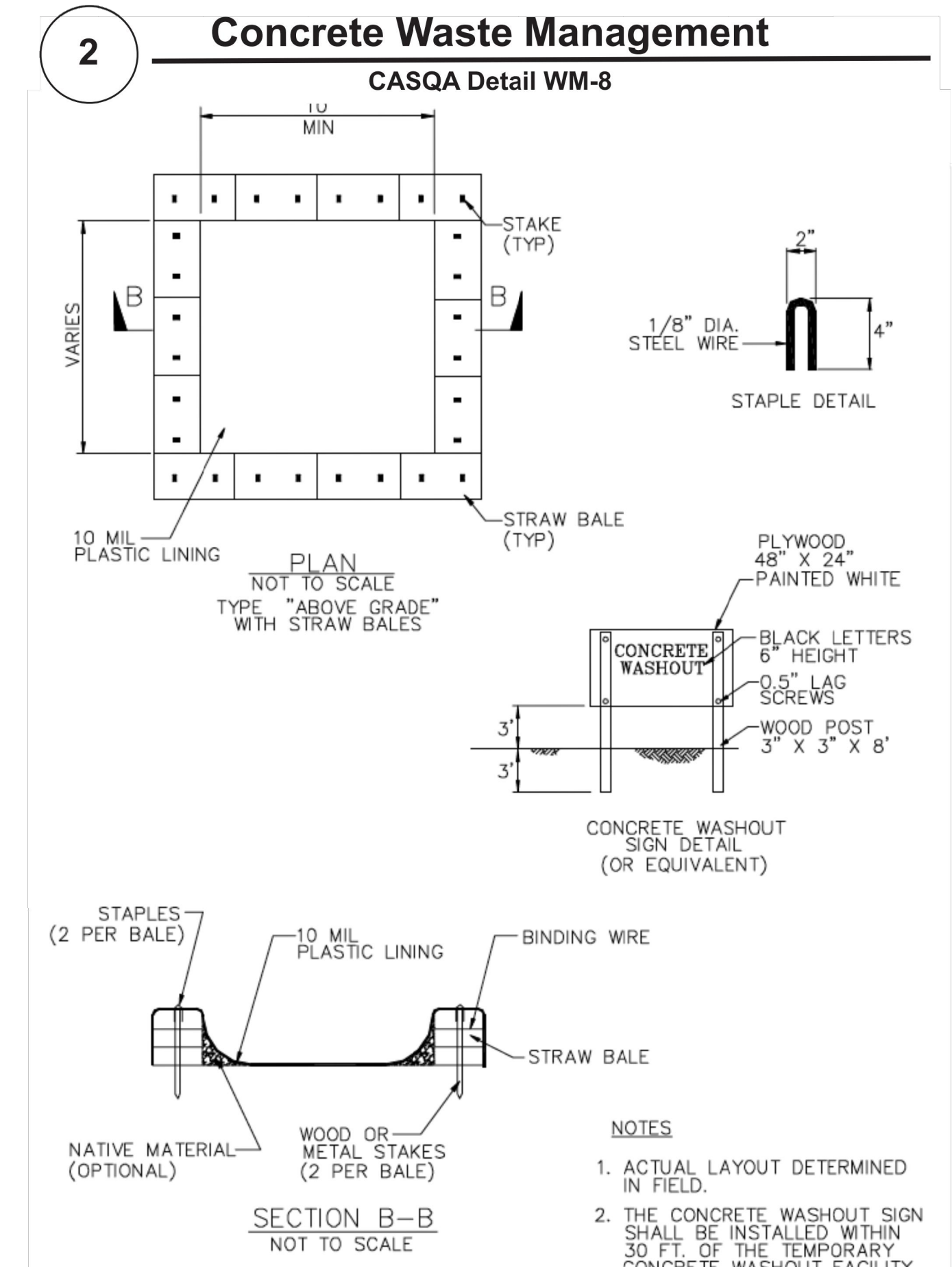
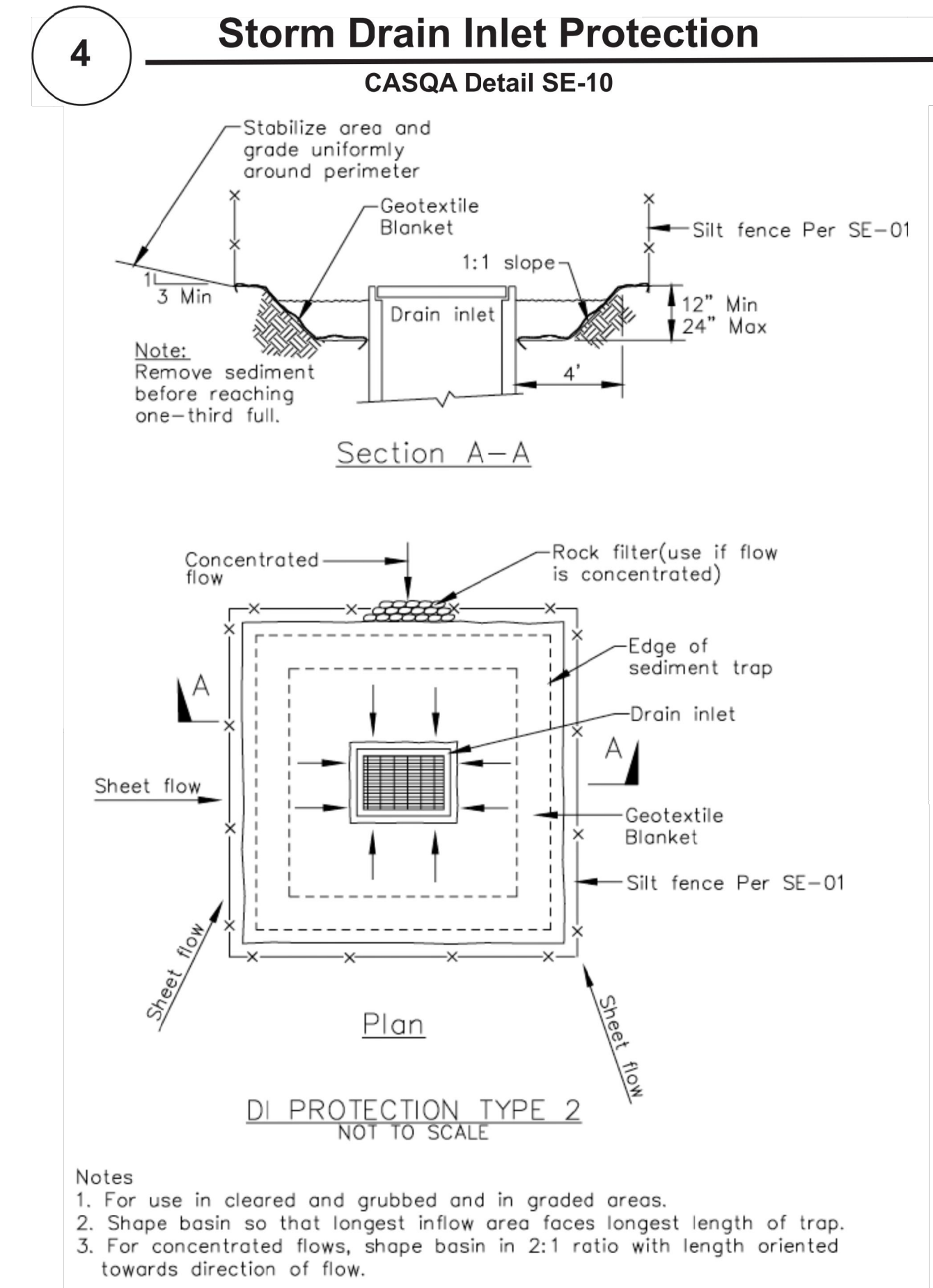
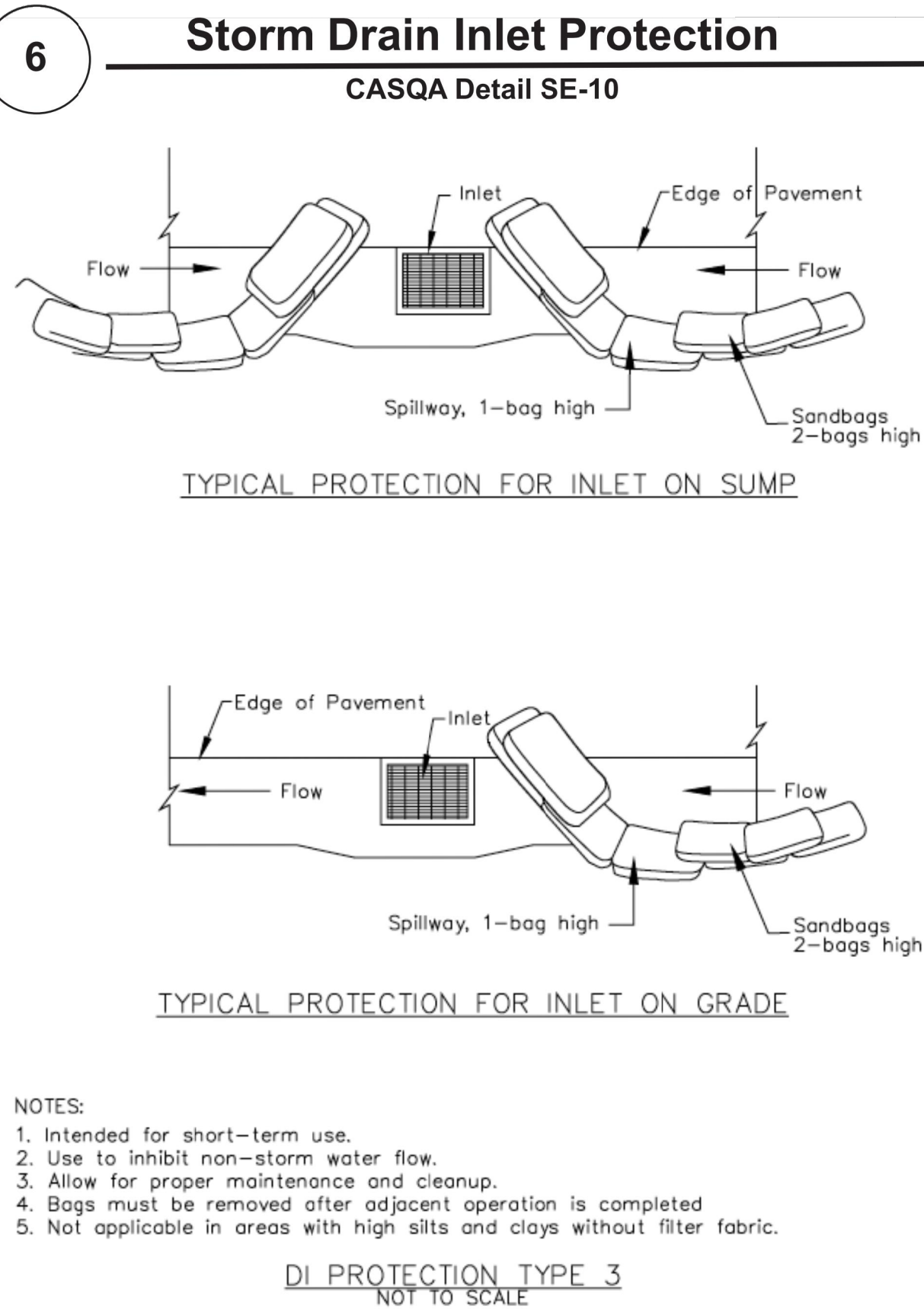
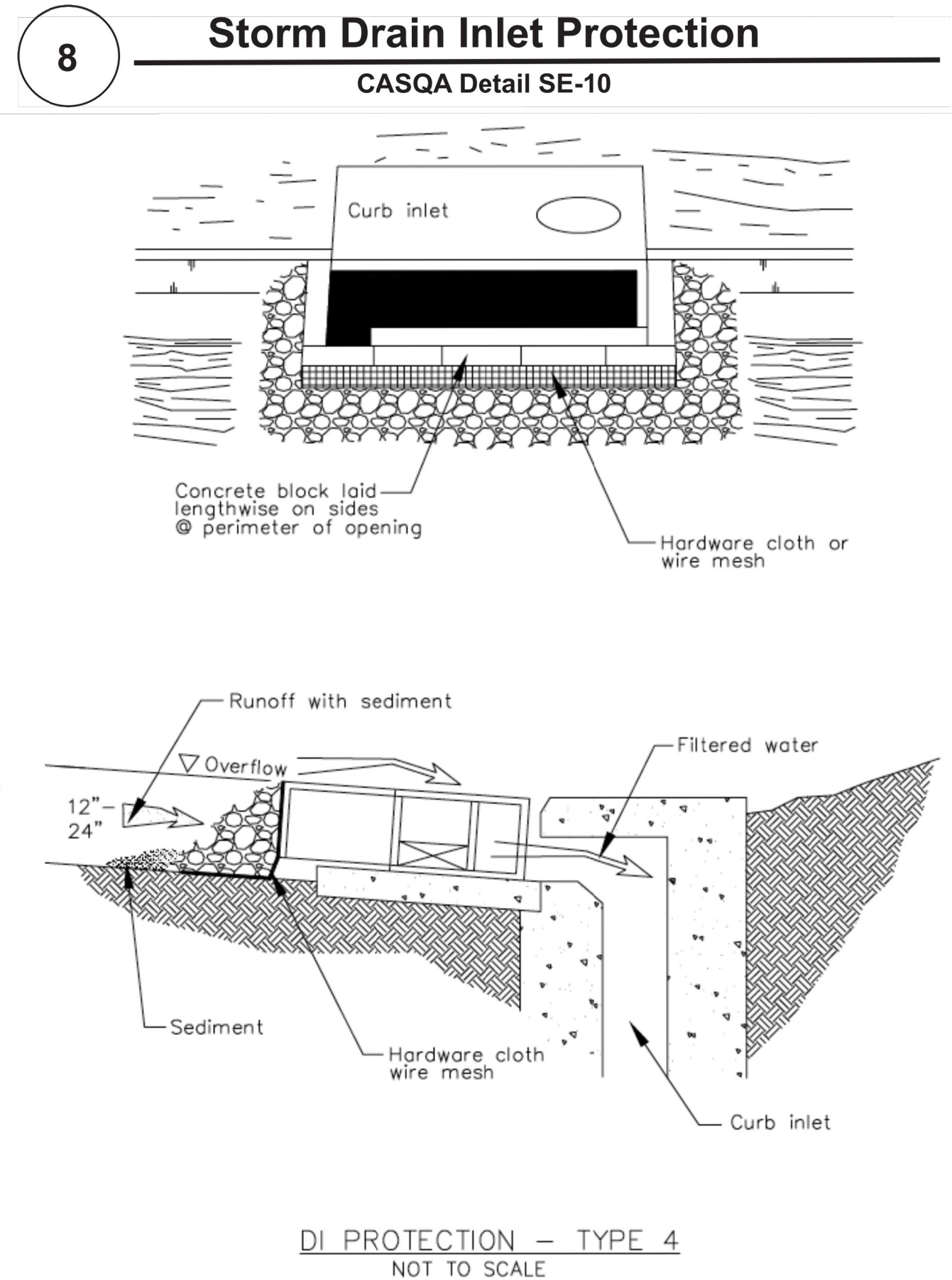
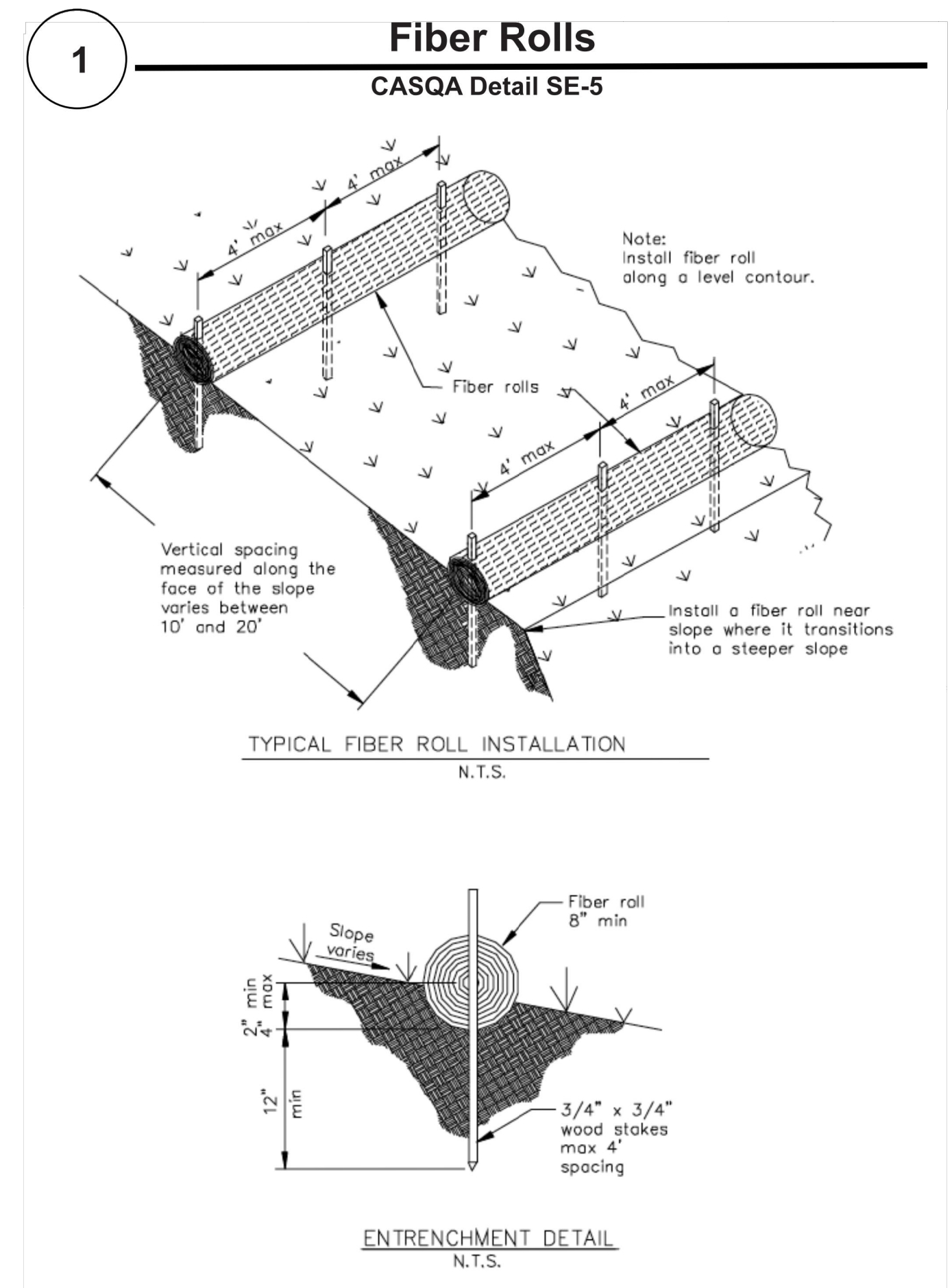
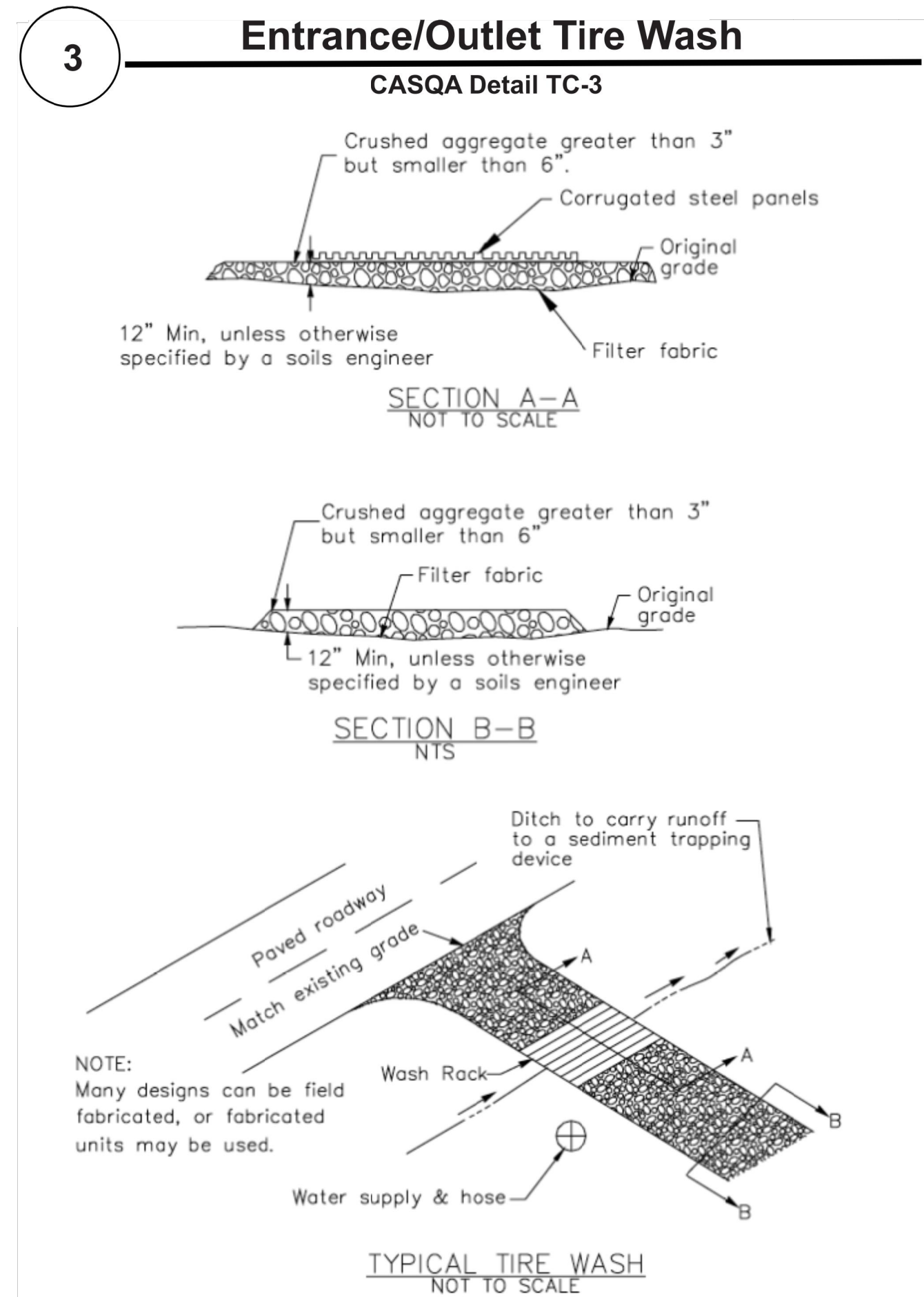
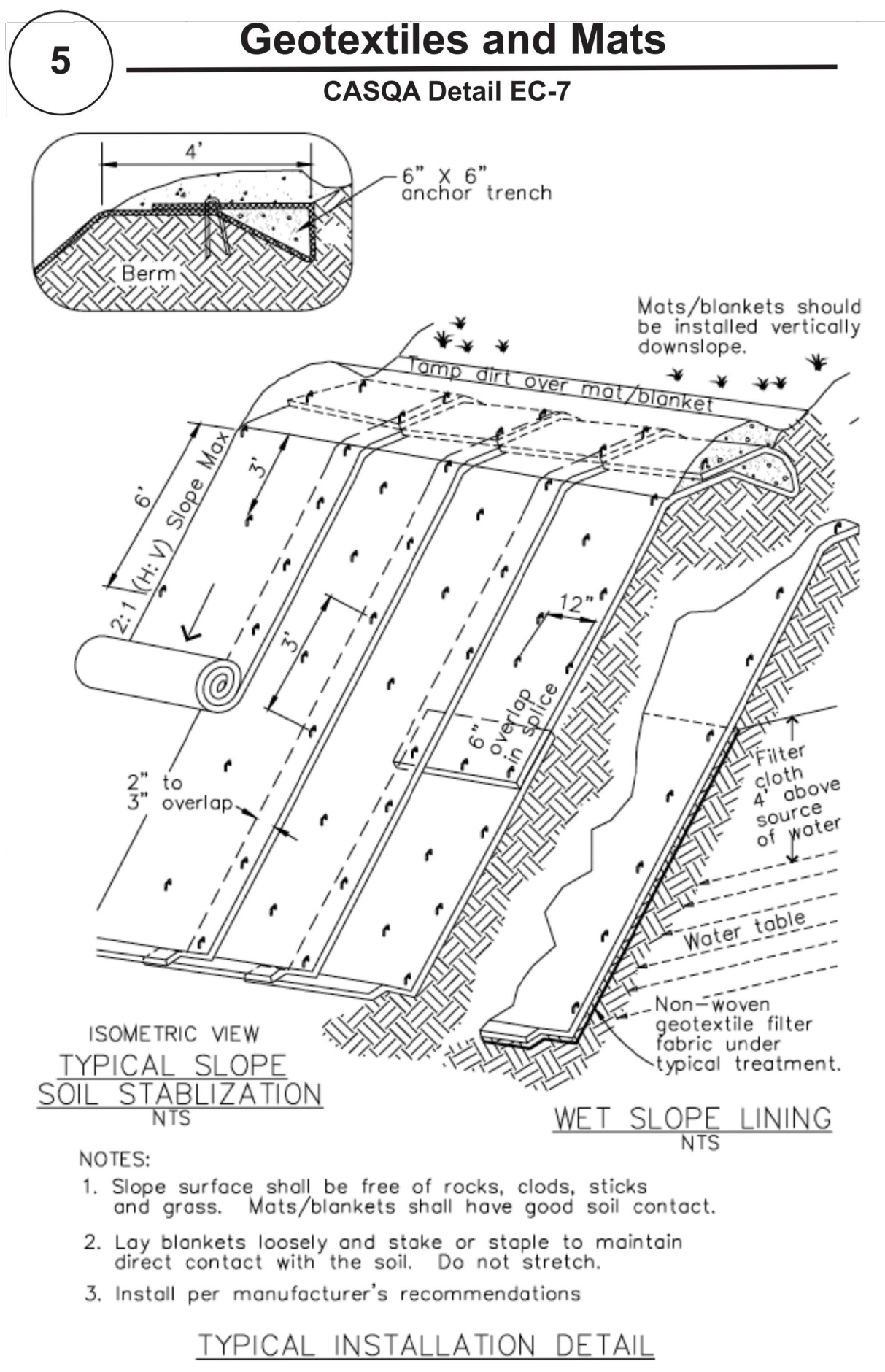
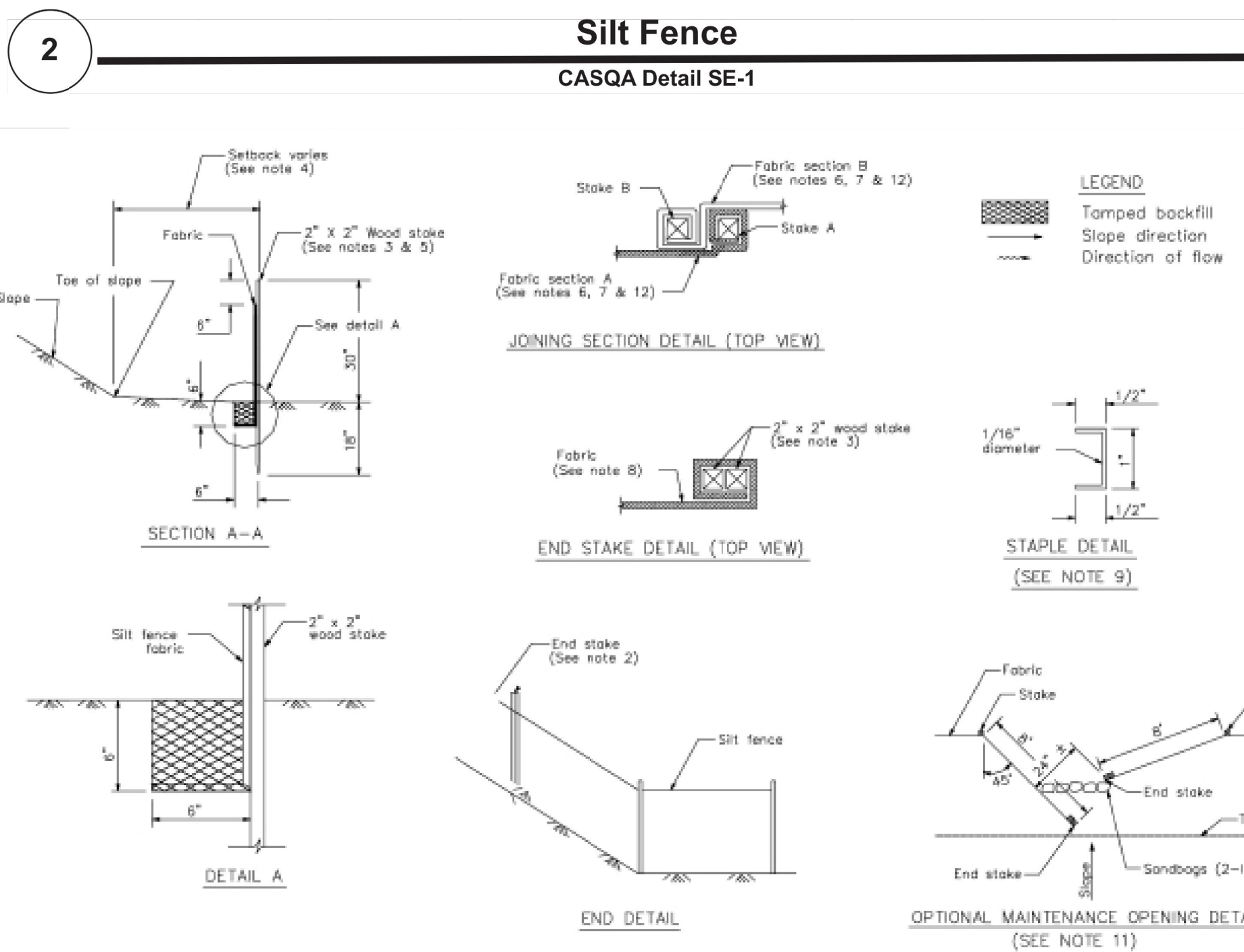
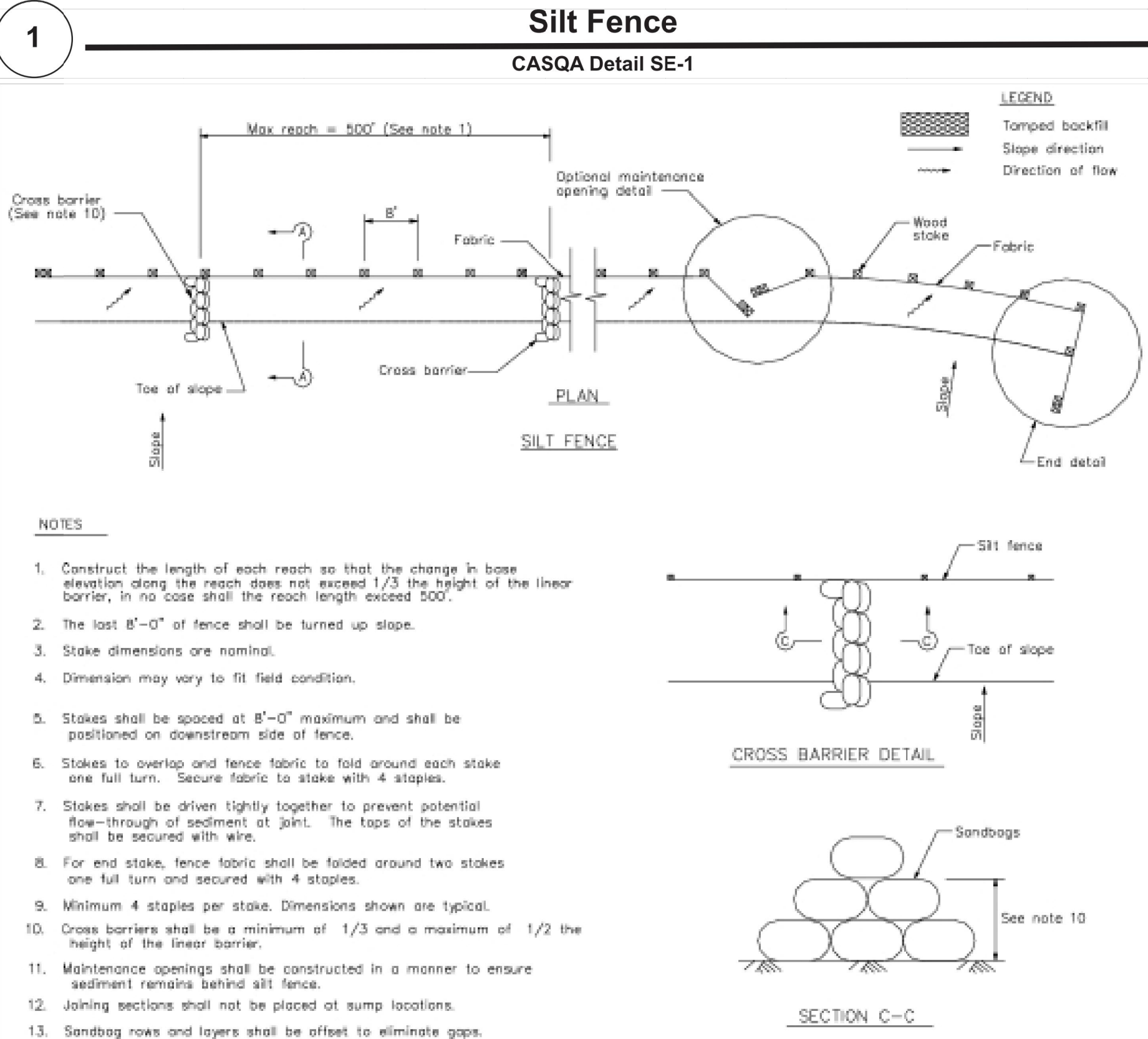




IF THIS SHEET IS NOT 30"x42" , IT IS
A REDUCED PRINT SCALE ACCORDINGLY



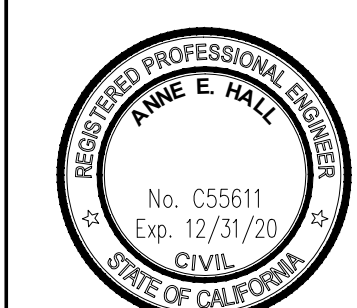
Revisions



Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003.
Available from www.cabmphandbooks.com.

This document is the property of the Owner and is not to be used without his written permission

Architect/Engineer Of Record:



HIBSER YAMAUCHI
Architects, Inc.

4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

HY Architects Project number: 4452.010

Facility
SAN BENITO COUNTY RESOURCE
MANAGEMENT AGENCY
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project
**NEW BEHAVIORAL HEALTH
CENTER**

Sheet Title
EROSION CONTROL DETAILS

Client Project Number: 118045

Scale: 1" = 20'-0"

Drawn By: AEH

Checked By: Checker

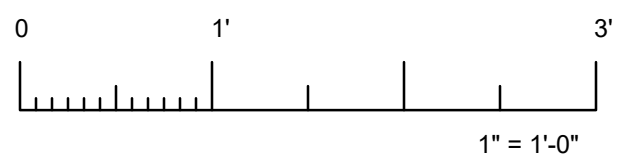
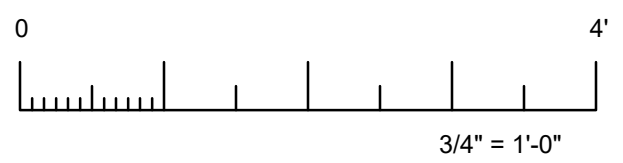
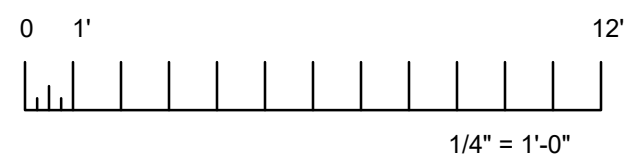
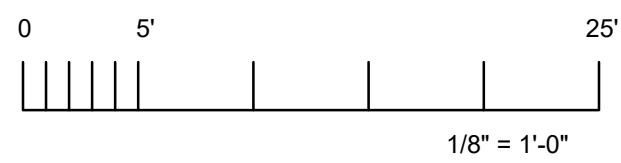
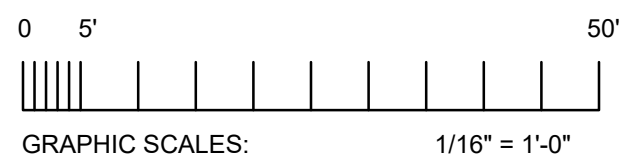
Issue Date: 01/15/20

Revit Version: 2019

Sheet

of

C-6



IF THIS SHEET IS NOT 30"x42" , IT IS
A REDUCED PRINT SCALE ACCORDINGLY



| Revisions | | | | |
|-----------|-----------|----|------|-------|
| No. | Revisions | By | Date | Appr. |
| | | | | |

LEGEND

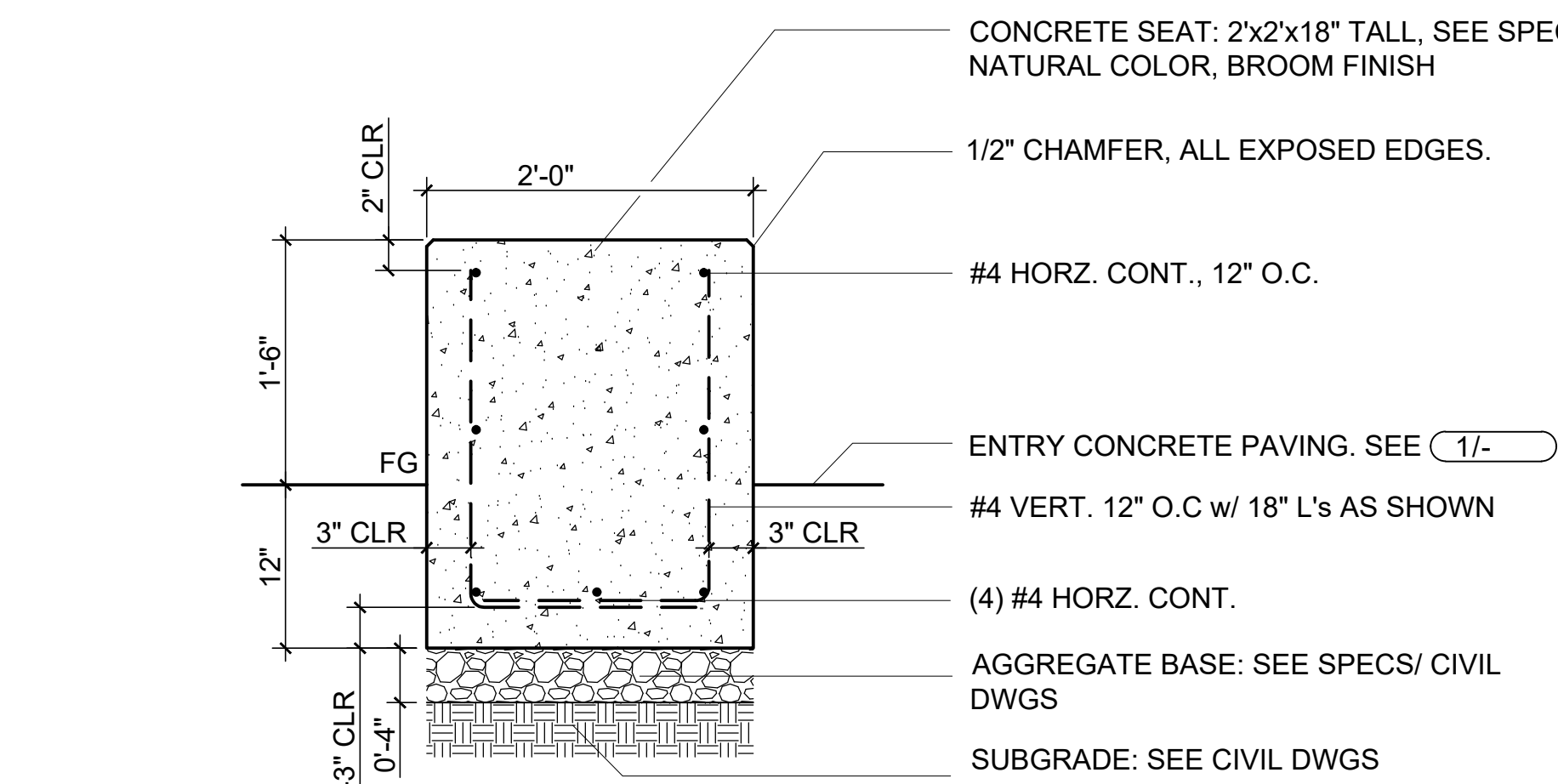
- Limit of Work Line
- Entry Concrete Paving: Natural color, medium broom finish. See Specs. See (1/-)
- EJ = Expansion Joint. See Specs. Other joints are Weakened Plane Joints UON. See (2/-)
- Walkway Paving: See Civil Drawings.
- AC Paving: See Civil Drawings.
- Detectable Walking Surface: See Civil Drawings.
- PA Planting Area: See Planting Plan

REFERENCE NOTES

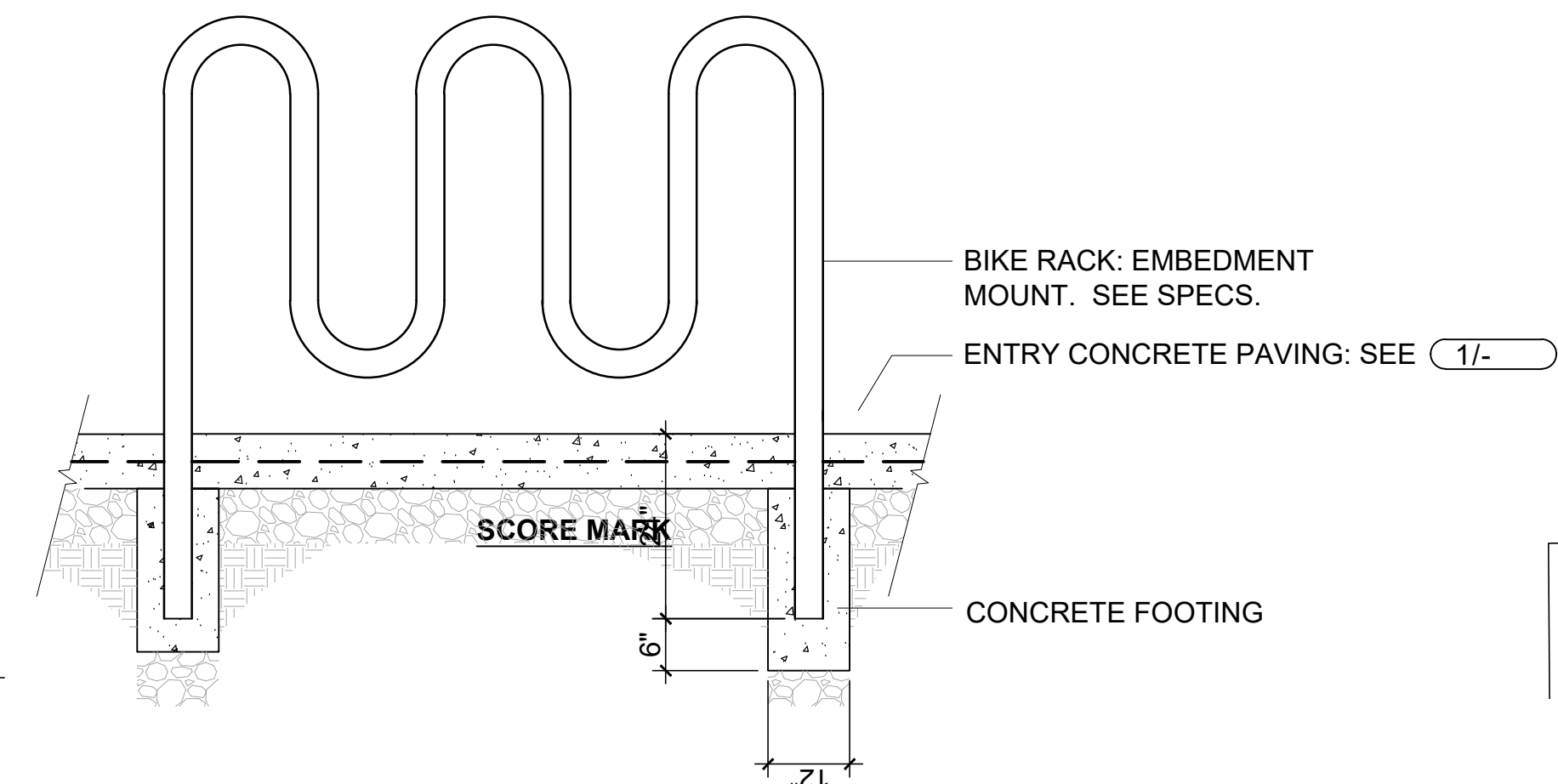
- (1) Concrete Wheel Stop: See Specs, See (4/-)
- (2) Concrete Seating: See (6/-)
- (3) Bike Rack: Model # 125-30 in Black from DuMor, www.dumor.com, 800-598-4018. Embedment mount, see (5/-)
- (4) Concrete Flush Curb: See Civil Drawings
- (5) Trash Enclosure: See Architectural Drawings

GENERAL NOTES

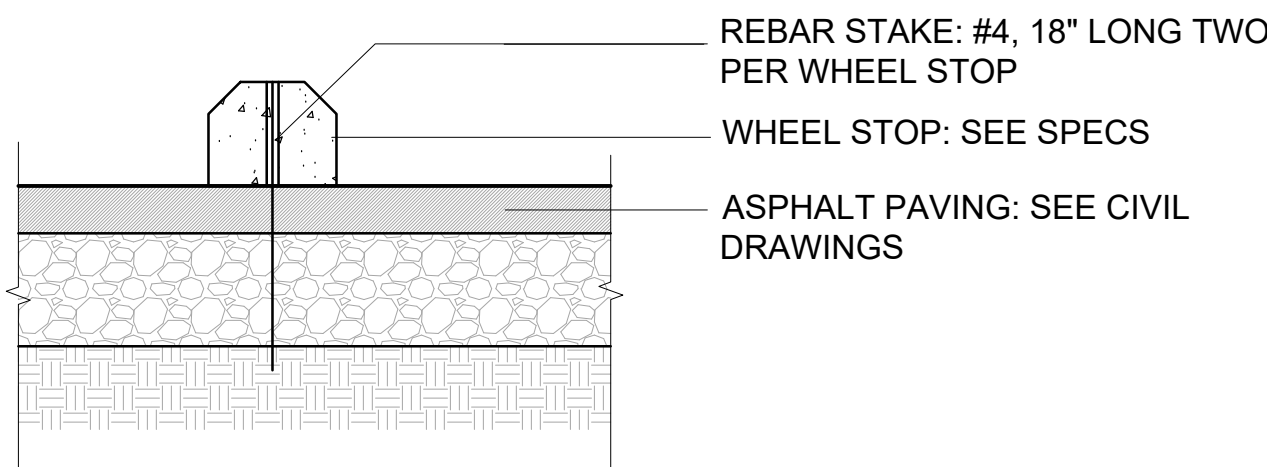
1. CODES
- Walking surfaces shall comply with CBC 11B-403 Walking Surfaces. All finishes shall be slip resistant.
 - Curb ramps shall be in compliance with CBC 11B-406 Curb Ramps, Blended Transitions and Islands
 - Ramps, including handrails, shall be in compliance with CBC 11B-405 Ramps
 - Steps, including handrails, shall be in compliance with CBC 11B-504 Stairways
 - Accessible parking stalls shall be in compliance with CBC 11B-502 Parking spaces
 - Detectable walking surfaces shall be in compliance with CBC 11B-705 Detectable Warnings and Detectable Directional Texture
 - Passenger drop-offs shall be in compliance with CBC 11B-503 Passenger drop-off and loading zones
2. CONTROL JOINTS: PEDESTRIAN CONCRETE PAVING
- Expansion Joints: locate as shown on the Plans; if not shown then at maximum 60' O.C. in any direction. Locate at all building faces, walls, steps, ramps, and other site structures. See typical joint detail. See Specs.
 - Weakened Plane Joints: locate as shown on the Plans; if not shown then at maximum 20' O.C. in any direction. Joints shall be tooled. See typical joint detail. See Specs.
3. CONTROL JOINTS: VEHICULAR CONCRETE PAVING
- Expansion Joints: locate as shown on the Plans. See typical joint detail. See Specs.
 - Weakened Plane Joints: locate and construct per Section 40-1.08 JOINTS of the California Department of Transportation Standard Specifications.
4. CONTROL JOINTS: CURBS
- Expansion Joints: align with expansion joints in monolithic paving; at maximum 60' O.C. when adjacent to modular paving, and at all corners, start/end of radiuses, and connections to flush curbing. Full depth.
 - Weakened Plane Joints: align with weakened plane joints in monolithic paving; at a maximum of 20' O.C. when adjacent to modular paving. Construct across the top and visible face.
5. UTILITIES
- Install utility boxes parallel to curbs / edges of sidewalks. Install utility boxes in plaza paving areas parallel to jointing patterns. Review locations in the field with the Owner's Representative prior to installation.



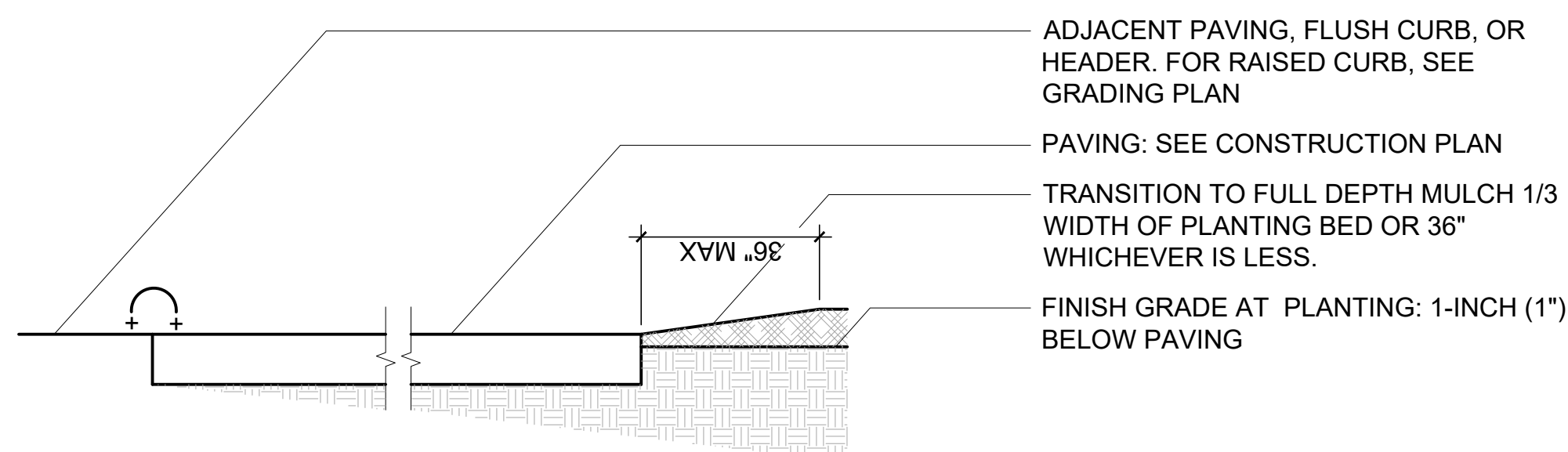
6 Concrete Seating
NTS



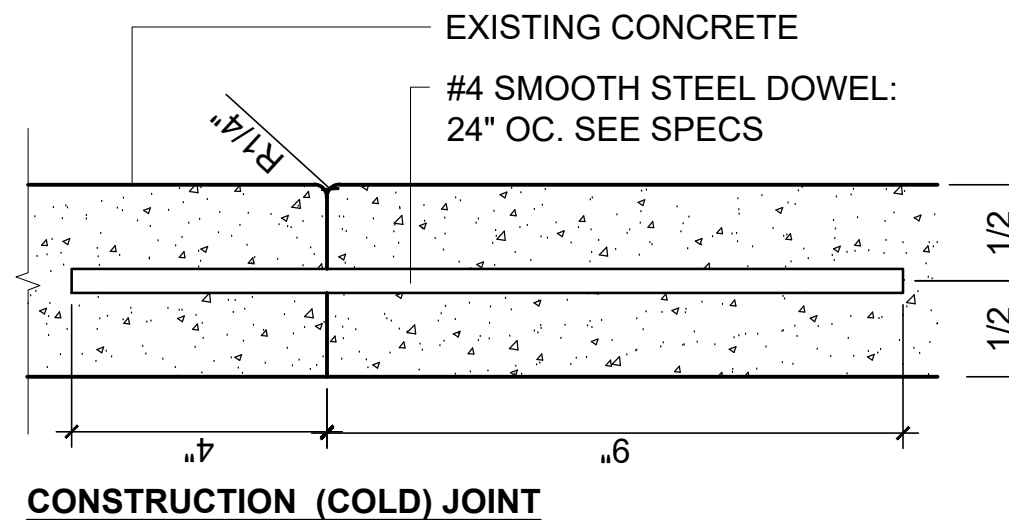
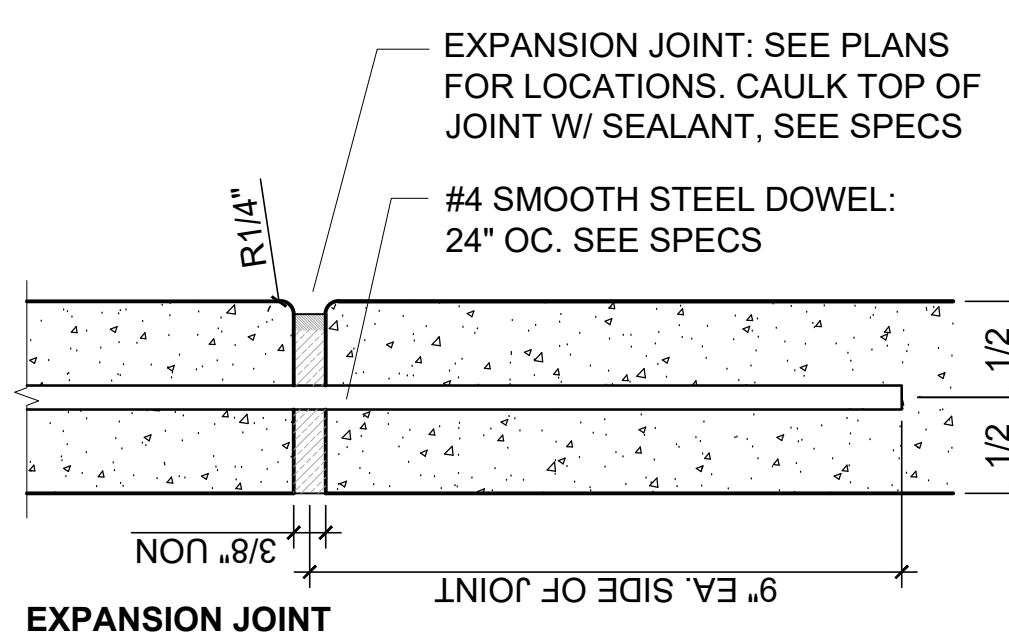
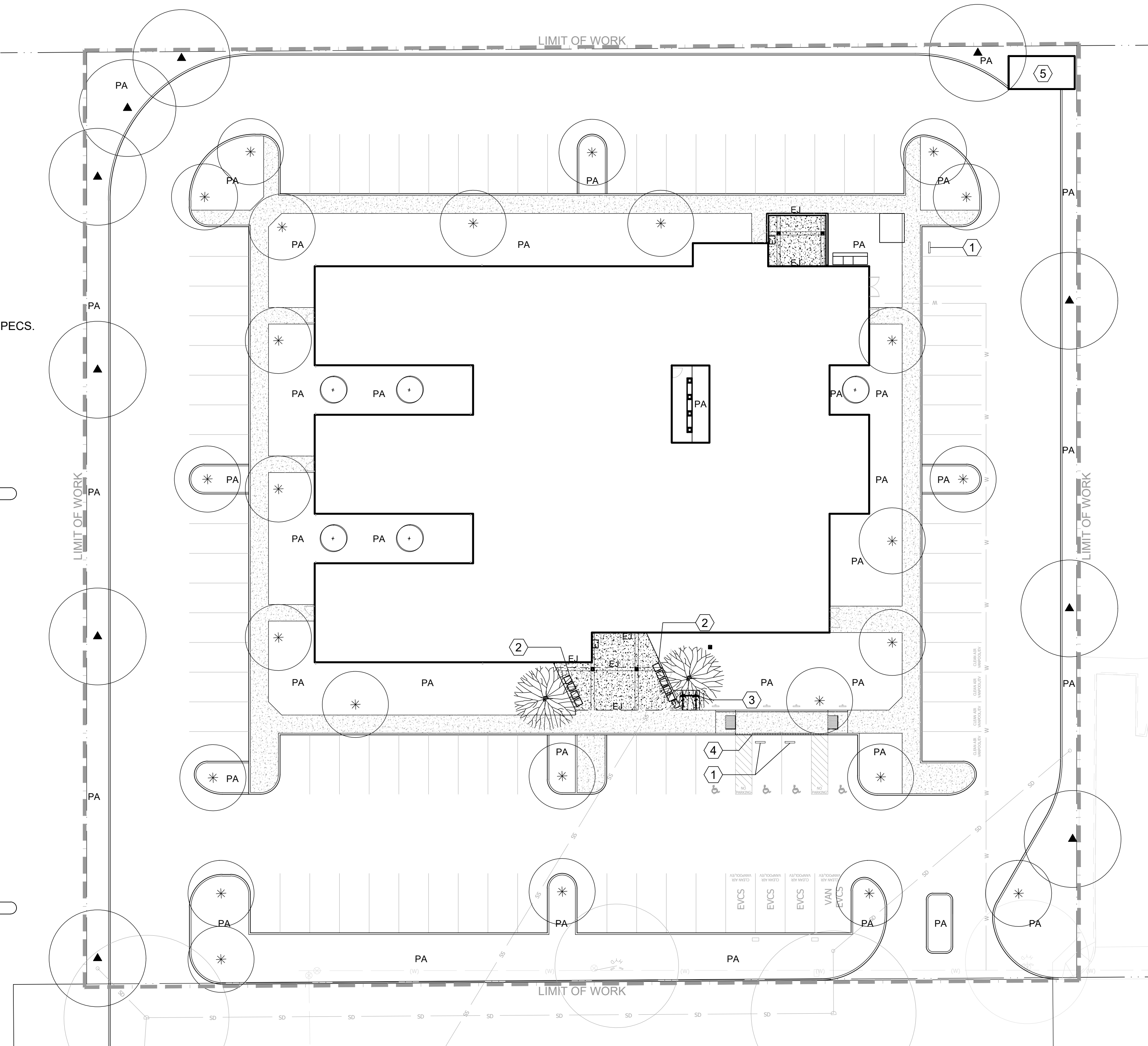
5 Bike Rack: Embedment Mount
NTS



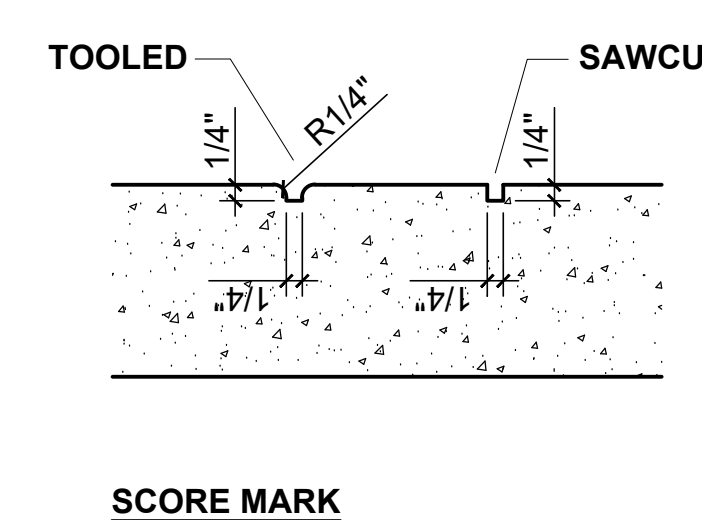
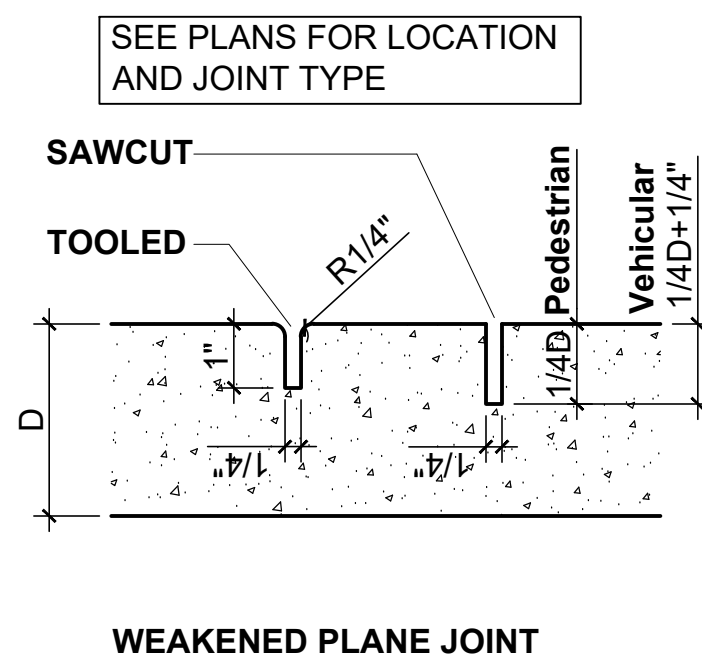
4 Concrete Wheel Stop
1"=1'-0"



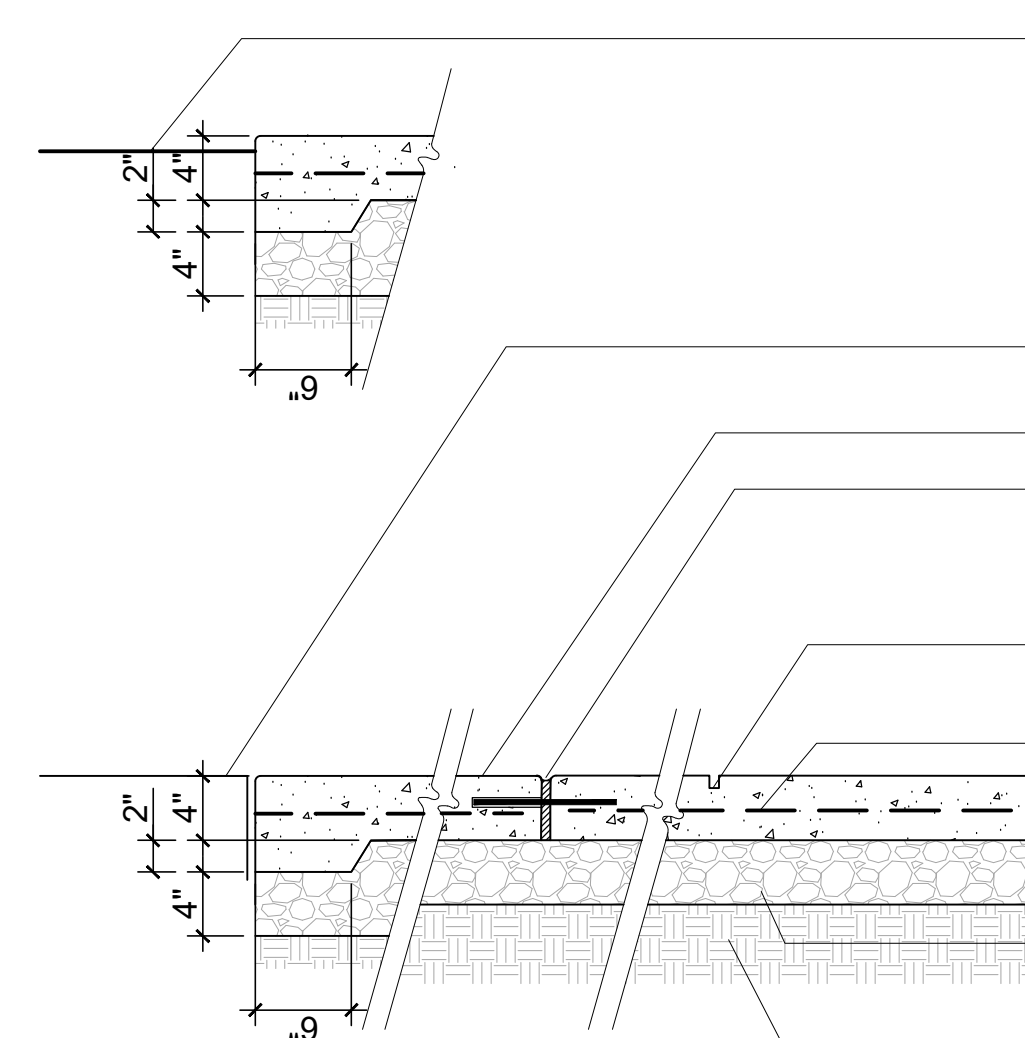
3 Finish Grade
1"=1'-0"



2 Concrete Joints
1"=1'-0"



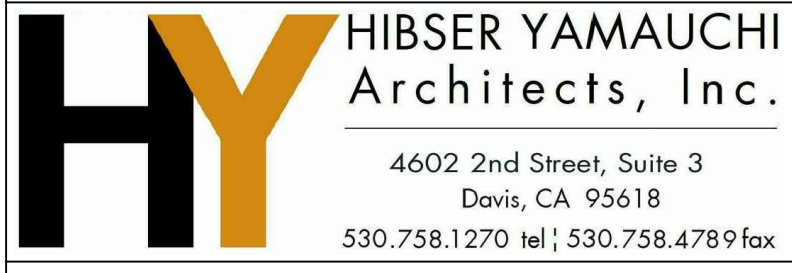
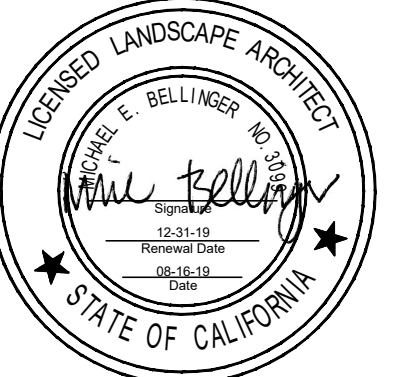
SCORE MARK



1 Entry Concrete Paving
1"=1'-0"



This document is the property of the Owner and is not to be used without his written permission.
Architect/Engineer Of Record:



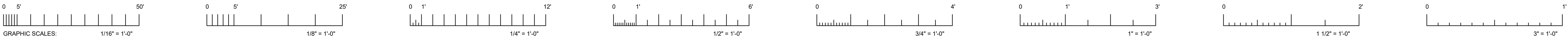
HY Architects Project number: 4452.010

Facility
SAN BENITO COUNTY
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project
NEW BEHAVIORAL HEALTH
CENTER - SITE PACKAGE

Sheet Title
CONSTRUCTION PLAN

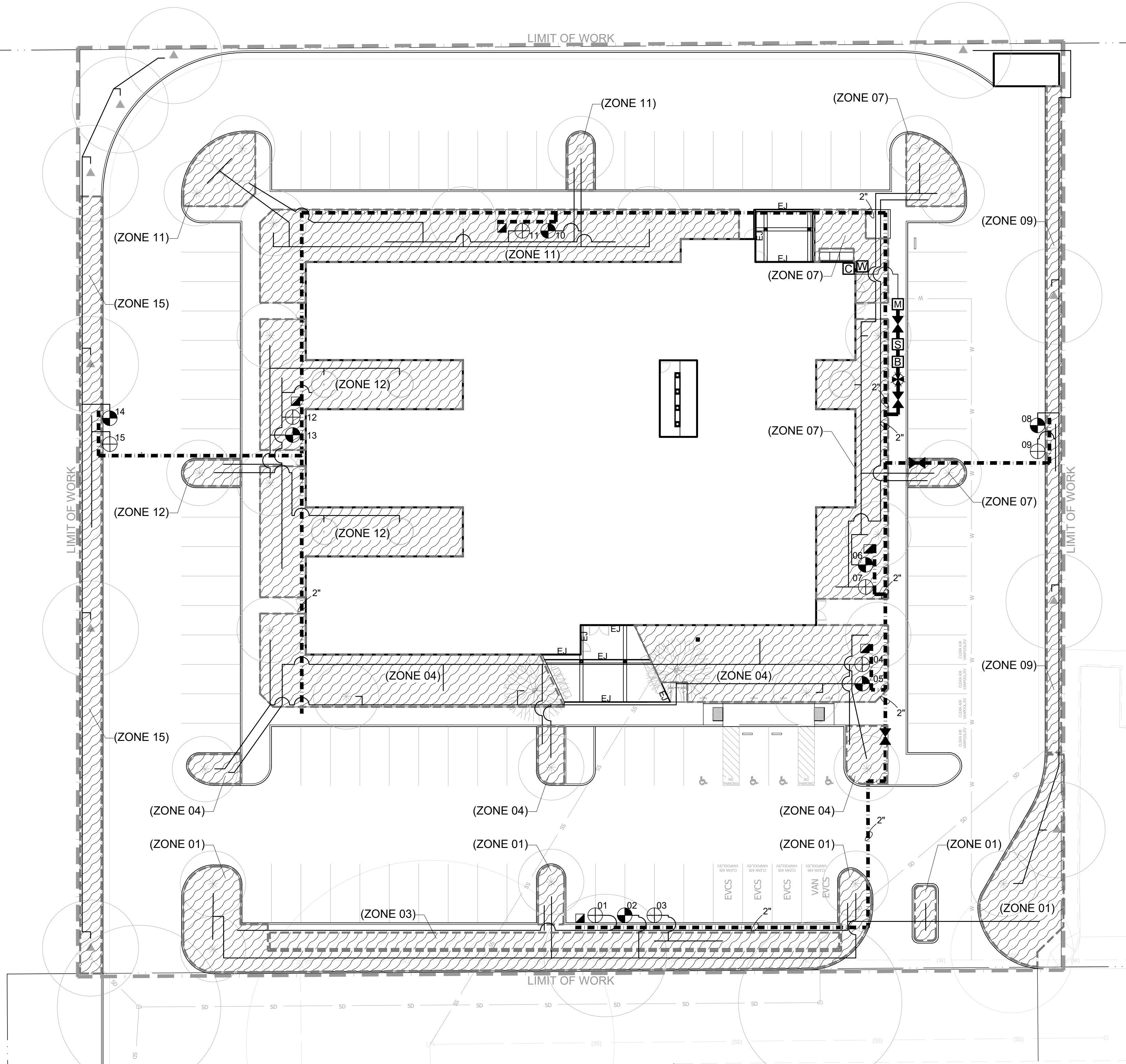
Client Project Number: Client Proj. #
Scale: 1"= 20'-0"
Drawn By: JB
Checked By: MB
Issue Date: 01/15/20
Revit Version: 2019
Sheet 0 of
L-1.0



IF THIS SHEET IS NOT 30"x42", IT IS
A REDUCED PRINT SCALE ACCORDINGLY

GENERAL NOTES

- GUARANTEE:**
Guarantee the irrigation system for one year from date of acceptance.
- VERIFICATION:**
For new systems, design is based on XX P.S.I. and 35 G.P.M. required at discharge outlet of point of connection. Verify same and notify Owner's Representative if such data adversely affects the operation of the system. Such notice shall be made in writing and prior to commencing any irrigation work.
- UTILITIES:**
Verify location of all on-site utilities. Preserve and protect all such utilities unless otherwise noted. Restore damaged utilities to the satisfaction of the Owner's Representative, and at no additional cost to 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 adjacent to walkways and inside medians whenever possible.
- SPECIFICATIONS:**
See irrigation specifications for additional information.
- CODES:**
Irrigation system shall be installed in accordance with all local codes and manufacturer's specifications. Notify Owner's Representative by telephone and in writing of any conflicts prior to installation.
- MASTER VALVE / FLOW SENSOR:**
 - Connect master valve, and flow sensor if included, to controller with communication cable. See Irrigation Details. Install in dedicated 1" diameter PVC conduit.
 - Normally closed Master Valves: dedicated one station to quick coupler use.
 - Flow sensors: See Specifications for instructions on how to program irrigation controller to allow flow sensor to accommodate quick coupler use.
- VALVES:**
 - For tree bubbler zones, include the MFR's adjustable pressure regulating dial.
 - For battery operated controllers, include the MFR's DC latching solenoid.
- QUICK COUPLING VALVES:**
Install on double swing joint. Locate 12" away from edge of walks, walls, curbs, and headerboards within planting areas. Provide one swivel, hose ell.
- CHECK VALVES:**
Install in-head check valves for sprinklers, and in-line check valves in drip irrigation supply lines, as required to minimize line drainage. Allow in bid price an amount sufficient to provide and install additional check valves to accommodate any necessary field changes.
- BORING**
Jet bore or directional bore under existing rigid paving areas. Do not trench across unless specifically shown on the Drawings and/or approved in writing by the Owner's Representative.
- SLEEVING:**
Sch. 40 PVC pipe for all wiring and irrigation lines installed under paving areas and that pass through drainage trenches with drain rock, 4-inch dia. or twice the aggregate diameter of all pipes contained within the sleeve, whichever is greater. Install (with ends clearly marked above grade) at the necessary depth prior to the construction of paving areas or field bases. Sleeving to extend 12" from edge of paving or drainage trench into adjacent subgrade. No unsleeved piping, angle-bends, 90-degree bends, or joints shall be allowed under paving.
- HEAD ALLOWANCE:**
Allow in bid price an amount sufficient to provide and install an additional 5 sprinkler heads of each type specified on plan to accommodate field changes. These heads shall be located as directed by the Owner's Representative. Deliver to the owner any unused additional heads at the end of the maintenance period.
- DRIP VALVES**
Group drip valve run times together to ensure a minimum flow of 2 GPM as required by the flow sensor. Suggested grouping chart will be provided prior to Final Completion.
- CONTROLLER:**
Install controller as shown on the Drawings. All above-grade conduit shall be rigid steel securely fastened to structure and to controller.
- PROGRAMMING / SCHEDULING:**
 - Non-ET Controllers: Prior to the end of the maintenance period, schedule the controller for repeat cycle irrigation and multiple programs.
 - ET Controllers: Prior to the end of the maintenance period, program the controller per manufacturer's directions.
 - Adjust irrigation times for bio-retention soil areas to account for higher percolation rates
 - For sprinklers, provide at least two start times for shrubs if over 5 minutes in length for any one station. Shrubs shall be separated into two programs, one for sun valves, one for partial shade to shade valves.
- FLUSH (E) MAIN:**
Upon completion of connection to (E) main, allowing for solvent setup, flush main line and



| WATER EFFICIENT LANDSCAPE WORKSHEET | | | | | | |
|-------------------------------------|--------------------|--|--------|------------|---------|----|
| Project Name | San Benito Co. BHC | | Status | 100%CD | Calc By | JB |
| Project Number | 18.092 | | Date | 08/16/2019 | | |

| Reference Evapotranspiration (ET _o) | | | | | | |
|---|-------------------|---------------------------------------|---|-------------|---|-------------|
| 45.10 | | | | | | |
| Hydrozone # / Planting Description ^a | Plant Factor (PF) | Irrigation Method ^b s or d | Irrigation Efficiency (IE) ^c | ETAF (PFIE) | Landscape Area (sq ft) | ETAF x Area |
| Regular Landscape Areas | | | | | | |
| 1 Shrubs/Grndcvr | 0.2 | d | 0.81 | 0.25 | 3,076 | 759.51 |
| 2 Trees | 0.5 | d | 0.81 | 0.62 | 40 | 24.69 |
| 3 Bioretention | 0.2 | d | 0.81 | 0.25 | 871 | 215.06 |
| 4 Shrubs/Grndcvr | 0.2 | d | 0.81 | 0.25 | 3,750 | 925.93 |
| 5 Trees | 0.5 | d | 0.81 | 0.62 | 70 | 43.21 |
| 6 Trees | 0.5 | d | 0.81 | 0.62 | 60 | 37.04 |
| 7 Shrubs/Grndcvr | 0.2 | d | 0.81 | 0.25 | 1,888 | 465.68 |
| 8 Trees | 0.5 | d | 0.81 | 0.62 | 50 | 30.86 |
| 9 Bioretention | 0.2 | d | 0.81 | 0.25 | 897 | 221.48 |
| 10 Trees | 0.5 | d | 0.81 | 0.62 | 60 | 37.04 |
| 11 Shrubs | 0.2 | d | 0.81 | 0.25 | 2,925 | 722.22 |
| 12 Shrubs | 0.2 | d | 0.81 | 0.25 | 2,693 | 664.94 |
| 13 Trees | 0.5 | d | 0.81 | 0.62 | 70 | 43.21 |
| 14 Trees | 0.5 | d | 0.81 | 0.62 | 60 | 37.04 |
| 15 Shrubs | 0.2 | d | 0.81 | 0.25 | 1,552 | 383.21 |
| | | | | Totals (A) | 18060 | 4611.11 |
| Special Landscape Areas | | | | | | |
| 11 | | | 1.00 | 0 | 0.00 | 0.00 |
| 12 | | | 1.00 | 0 | 0.00 | 0.00 |
| | | | | Totals (C) | 0 | 0.00 |
| | | | | | ETWU Total (Gallons) | 128935.89 |
| | | | | | Maximum Allowed Water Allowance (MAWA) ^d (Gallons) | 227247.17 |
| | | | | | ETWU (Acre Feet) | 0.40 |
| | | | | | MAWA (Acre Feet) | 0.70 |

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

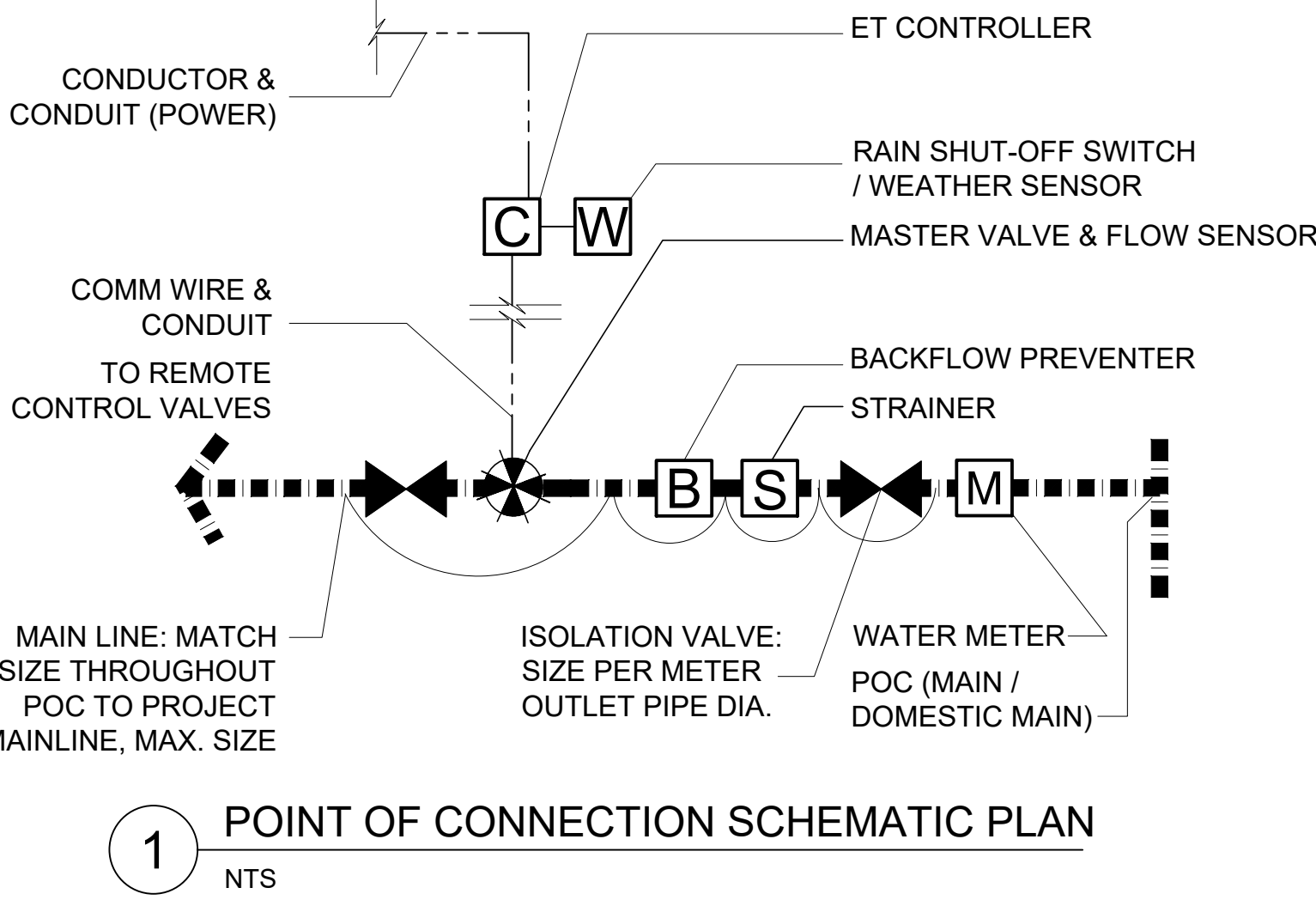
^bIrrigation Method
overhead spray
or drip

^cIrrigation Efficiency
0.75 for spray head
0.81 for drip

^dETWU (Annual Gallons Required) =
ET_o 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, 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 | (B) | 4611.11 |
| Total Area | (A) | 18060.00 |
| Average ETAF | B ÷ A | 0.25 |
| All Landscape Areas | | |
| Total ETAF x Area | (B+D) | 4611.11 |
| Total Area | (A+C) | 18060.00 |
| Sitewide ETAF | (B+D) ÷ (A+C) | 0.25 |

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



1 POINT OF CONNECTION SCHEMATIC PLAN
NTS

MWEO COMPLIANCE STATEMENT

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

Mike Bellinger 3099 08-16-2019
Signed Name CL# Date

LEGEND

| SYMBOL | MANUFACTURER | DESCRIPTION |
|---|---------------------|--|
| --- | X" | Main Line: 24" minimum cover. Sch/Class for pipe / fittings per Specs. See Plan for sizes. |
| --- | | Lateral Line / Drip Irrigation Supply Line: 18" min. cover, 24" under AC paving Sch/Class per Specs. See chart for size. |
| --- | | Stub Out: See Irrigation Details |
| ⊙ | Hunter | ICV Remote Control Valve: Size as shown on plan. |
| ⊙ | Hunter | 1" Quick Coupler. Single lug, 2-pc body, locking cover. |
| ⊙ | King Brothers (kbi) | Full Port, True Union, PVC Ball Valve: Line Size |
| ⊙ | Name | Water Meter 1". See General Note 2 for PSI / GPM. |
| ⊙ | Zurn Wilkins | SXL Cast Bronze "Y" Type Strainer. Line Size. 40-mesh |
| ⊙ | Febco | 2" Lead-free Backflow Preventer LF825YA w/ Bronze Wye Strainer. Dark Green cage: See Details |
| Note: Where applicable, all equipment specified shall comply with NSF/ANSI Standard 61: Drinking Water System Components - low lead requirements. | | |
| ⊙ | Hunter | I-Core Controller with MV & FS terminals, wall mount steel cabinet, 6 Stations. Model IC-600-M, ICM-600 |
| ⊙ | Hunter | ET Sensor: Solar Sync (wireless) |
| ⊙ | Superior | 1-1/2" - 3300 Normally Open Master Valve |
| ⊙ | Data Industrial | 1" Brass Flow Sensor, # 250BR10. Connect to Controller. |
| --- | | 1" Conduit: 24" Depth minimum. For MV & FS wire and dedicated common. For ET Sensor Wire. |

Total irrigated landscape area=0.43 acres. Annual water requirement=0.37 acre-feet

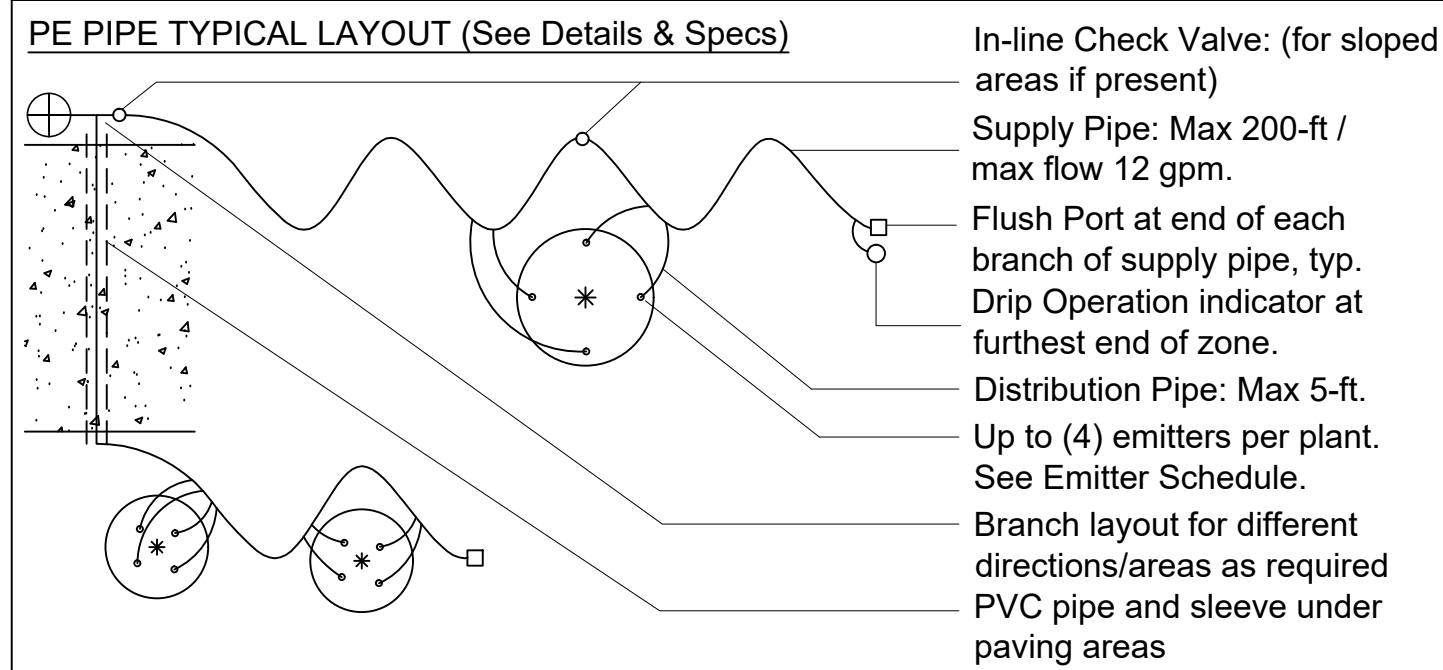
LEGEND - TREE BUBBLERS / EMITTERS

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

LEGEND - DRIP IRRIGATION

| SYMBOL | MANUFACTURER | DESCRIPTION |
|------------------|--------------|--|
| Zone designation | | POINT-SOURCE: 3/4" I.D. PE supply pipe & 1/4" I.D. PE distribution tubes. See Specs. See Irrigation Details. Emitters: 2.0 GPH pressure compensating w/ bug/dust cap. Rainbird Xeri-Bug / Toro NGE / Netafim WPC. See Emitter Schedule. Manual flush valve at end of each branch of supply pipe. Rainbird Drip Operation Indicator at furthest end of each zone. See Schematic Irrigation Diagram. |
| ⊙ | Hunter | ICV Remote Control Valve: Size as shown on plan. |
| ⊙ | Netafim | Disc Filter, 120-140 mesh 3/4" @ 1" valves or 17 GPM max at manifold 1" @ 1-1/2" valves up to 26 GPM max 1-1/2" @ 1-1/2" valves or 35 GPM max at manifold |
| ⊙ | Netafim | 1" In-line Wide Range Pressure Regulator (0.5 - 35 GPM) 40 PSI preset up to 4.4 GPM. 50 PSI preset over 4.5 GPM |

| DRIP IRRIGATION POINT SOURCE TYP. SCHEMATIC DIAGRAM | EMITTER SCHEDULE |
|--|--|
| See planting plan for plant sizes and locations. PE supply pipe and PE distribution tube alignments per requirements of planting. Install emitters per Emitter Schedule, and allow for additional ports to each plant for future needs. Locate emitters towards the uphill side of plants on slopes. See Irrigation details. | 1 gal. 1 5 gal. 2 15 gal. 3 24" box 4 |



| PIPE SIZING CHART - SCHEDULE 40 SPRAY HEAD / BUBBLER LATERALS POINT-SOURCE DRIP SUPPLY LINES SUB-SURFACE DRIP SUPPLY / EXHAUST HEADERS | |
|--|------------|
| Zone / Partial Zone Flow | Pipe Size |
| 0-8 GPM | PVC 3/4" |
| 8.1-13 GPM | PVC 1" |
| 13.1-22 GPM | PVC 1-1/4" |
| 22.1-30 GPM | PVC 1-1/2" |
| 30.1-50 GPM | PVC 2" |
| 50.1-75 GPM | PVC 2-1/2" |
| 3/4" is minimum pipe size. For rotor pipe sizing, see Plans - do not use this chart. | |

VALVE LEGEND

| Valve Station Number | Bubbler Drip Rotor Spray | GPM | Size | Irrigation Zone (Z) & Notes |
|----------------------|--------------------------|------|------|-----------------------------|
| 1 | D | 4.1 | 1" | Z1 (Shrubs) |
| 2 | B | 4.0 | 1" | Z2 (Trees) |
| 3 | D | 5.4 | 1" | Z3 (Shrubs) |
| 4 | D | 22.1 | 1.5" | Z4 (Shrubs) |
| 5 | B | 7.0 | 1" | Z5 (Trees) |
| 6 | B | 6.0 | 1" | Z6 (Trees) |
| 7 | D | 15.6 | 1.5" | Z7 (Shrubs) |
| 8 | B | 5.0 | 1" | Z8 (Trees) |
| 9 | D | 5.5 | 1" | Z9 (Shrubs) |
| 10 | B | 6.0 | 1" | Z10 (Trees) |
| 11 | D | 9.0 | 1" | Z11 (Shrubs) |
| 12 | D | 31.4 | 1.5" | Z12 (Shrubs) |
| 13 | B | 7.0 | 1" | Z13 (Trees) |
| 14 | B | 6.0 | 1" | Z14 (Trees) |
| 15 | D | 9.6 | 1" | Z15 (Shrubs) |



| Revisions | | | | |
|-----------|-----------|----|------|-------|
| No. | Revisions | By | Date | Appr. |



This document is the property of the Owner and is not to be used without his written permission.

Architect/Engineer Of Record:



HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

HY Architects Project number: 4452.010

Facility
SAN BENITO COUNTY
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project
NEW BEHAVIORAL HEALTH CENTER - SITE PACKAGE

Sheet Title
IRRIGATION PLAN

Client Project Number: Client Proj. #

Scale: 1" = 20'-0"

Drawn By: JB

Checked By: MB

Issue Date: 01/15/20

Revit Version: 2019

L-2.0

Sheet 0 of 0