COUNTY OF SANTA CLARA

General Construction Specifications

General Conditions

- All construction work shall be performed in accordance with the soils and/or geotechnical report report is supplemented by: 1) these plans and specifications, 2) the County of Santa Clara standard details. 3) the County of Santa Clara standard specs, 4) State of California standard details, 5) State of California standard specifications. In the event of conflict the former shall take precedence over the latter. The performance and completion of all work must be to the satisfaction
- Developer is responsible for installation of the improvements shown on these plans and he or his successor property owners are responsible for their continued maintenance.
- Developer shall be responsible for correction of any errors or omissions in these plans. The county shall be authorized to require discontinuance of any work and such correction and modification of plans as may be necessary to comply with county standards or conditions of development
- Developer shall obtain encroachment permits from the Santa Clara Valley Water District and California department of transportation where needed. Copies of these permits shall be kept at the 4. iob site for review by the county's inspector
- Developer shall remove or trim all trees to provide an unobstructed fifteen (15) foot vertical clearance for roadway area.
- This plan authorizes the removal of only those trees with trunk diameters greater than 12 inches measured 4.5 feet above the ground that are shown to be removed unless an amended plan is approved or a separate tree removal permit is obtained from the planning office. It is the contractor's responsibility to ensure that removal of additional trees has been permitted Developer shall provide adequate dust control as required by the county inspector.
- All persons must comply with section 4442 of the public resources code and section 13005 of the health and safety code relating to the use of spark arresters.
- Upon discovering or unearthing any burial site as evidenced by human skeletal remains or artifacts, the person making such discovery shall immediately notify the county coroner at (4008) 454-2520 and land development engineering office at (408) 299-5730. No further disturbance of the site may be made except as authorized by the land development office in accord with provisions of this ordinance (county ordinance code section b6-18).
- These plans are for the work described in the scope of work only. A separate permit will be required for the septic line construction.
- Any deviation from these approved plans shall be re-approved in writing by the county engineer prior to construction.

Construction Staking

- The developer's engineer is responsible for the initial placement and replacement of construction grade stakes. The stakes are to be adequately identified, located, stabilized, etc. For the convenience of contractors. Lateral offset of stakes set for curbs and gutters shall not exceed 2 1/2 feet from back of curb.
- Any property line stakes or road monuments disturbed during construction shall be replaced by developer's engineer and licensed land surveyor. Property line staking must be performed by the project engineer or land surveyor to establish or re-establish the project boundary and shall be inspected by the county inspector prior to the
- Proper construction stakes shall be set in the field by the project engineer or land surveyor and verified by the county inspector prior to the commencement of grading.

Construction Inspection

building foundation.

- Contractor shall notify permit inspection unit, Santa Clara county prior to commencing work and for final inspection of work and site
- The county requires a minimum of 24 hours advance notice for general inspection, 48 hours for Inspection by Santa Clara county shall be limited to inspection of materials and processes of
- construction to observe their compliance with plans & specifications but does not include responsibility for the superintendent of construction, site conditions, equipment or personnel. Contractor shall notify the county land development inspector at phone (408) 299-6868 at least 24 hours prior to commencing work and for final inspection of work and site.
- Developer and/or his authorized representative must submit written request for final inspection and acceptance. Said request shall be directed to the inspection office noted on the permit form. The contractor shall provide to the county construction inspector with pad elevation and location certificates, prepared by the project engineer or land surveyor, prior to commencement of the

Site Preparation (Clearing and Grubbing)

- Existing trees authorized for removal, roots, and foreign material in areas to be improved will be removed to an authorized disposal site as follows: to a minimum depth of two feet below the finished grade of proposed roadways (either private or to
- be dedicated to public use) from areas affected by the proposed grading except where noted on the plans.
- obstructions in the way of construction.

Utility Location, Trenching & Backfill

- Contractor shall notify USA (underground service alert) at 1-800-277-2600 a minimum of 24 hours before beginning underground work for verification of the location of underground utilities. Accurate verification as to size, location, and depth of existing underground conduits or facilities shall be the individual contractors responsibility. Plan locations are approximate and for general
- information only. All underground installations shall be in place and the trench backfilled and compacted before placing aggregate base material or surface structures. Surfacing may be done if the utility company concerned indicates by letter that it will bore. Unless specifically authorized by the
- county, gas and water mains shall be installed outside the paved areas. Trench backfill in existing pavement areas shall be sand material in accordance with the applicable provisions of the state specifications. The structural section for trench replacement shall consist of not less than 12 inches of approved aggregate base material compacted to a relative compaction of at least 95% and 4 inches of hot asphalt concrete placed in two lifts. Trench restoration for
- higher type pavements shall be made in kind or as directed by the county Trench backfill in new construction areas shall be sand material compacted to a relative compaction of at least 90%. The requirement for select material may be waived by county if the native soil is suitable for use as trench backfill but the compaction requirements will not be thereby
- Backfill and trench restoration requirements shall apply as minimum standards to all underground facilities installed by other firms or public agencies.

Retaining Walls

- Reinforced concrete and concrete masonry unit retaining walls shall have foundation and reinforcement inspected by the county engineering inspector and engineer of record prior to
- pouring the foundation and forming the wall. Segmental block retaining walls shall have foundation and reinforcement inspected by the county engineering inspector.

Grading

- Excavated material shall be placed in the fill areas designated or shall be hauled away from the site to a county approved disposal site. Where fill material is to be placed on natural ground, is shall be stripped of all vegetation. To achieve a proper bond with the fill material, the surface of the ground shall be scarified to depth of 6" before fill is placed. Where natural ground is steeper than 5:1, it shall be benched and the fill keyed in to achieve stability. Where new fill is to be placed on existing fill the existing fill shall be removed until material compacted to 90% relative compaction is exposed. Then the new fill material shall be placed as per these construction notes. Fill material shall be placed in uniform lifts not exceeding 6" in uncompacted thickness. Before compaction begins, the fill shall be brought to a water content that will permit proper compaction by either 1) aerating the fill if it is too wet or moistening the fill with water if it is too dry. Each lift shall be thoroughly mixed before
- Excess cut material shall not be spread or stockpiled on the site. Surplus earth fill material shall be placed in a single (8" max) thick layer compacted to withstand

compaction to ensure a uniform distribution of moisture.

- weathering in the area(s) delineated on the plan. No organic material shall be placed in any fill. No trees shall be removed outside of cut, fill or
- roadway areas 5. The upper 6" of subgrade below driveway access road or parking area shall be compacted to 95% of maximum density.
- Maximum cut slope shall be 2 horizontal to 1 vertical. Maximum fill slope shall be 2 horizontal to 1

Preliminary On-Site Earthwork Quantities						
	Cut	Fill	Max Cut	Max Fill	Disturbed Area	
Building Pad + 5' **	207 cy	35 cy	0.86'	1.19'	22,620 SF	
Site Grading	0 су	6 cy	0.86			
Retention/Detention Pond	126 cy	0 су	2.89'	0.00'	2,376 SF	
Total	126 cy	6 cy	-	-	24,995 SF	

Note: fill volumes include 10% shrinkage.

Excess material shall be off hauled to a county approved

- 16. The owner shall prepare and present a winterization report to the county inspector for review prior to October 15th 7. Notify soils engineer two (2) days prior to commencement of any grading work to coordinate the work in the field. 17. The owner, contractor, and any person performing construction activities shall install and maintain construction
- 8. All materials for fill should be approved by the soils engineer before it is brought to the site. 9. The upper 6" of the subgrade soil shall be scarified, moisture conditioned and compacted to a minimum relative compaction of 95%
- 10. All aggregate base material shall be compacted to a minimum 95% relative compaction. 11. The geotechnical plan review letter must be reviewed and approved by the county geologist prior to
- final approval by the county engineer for building occupancy. 12. The project geotechnical engineer shall perform compaction testing and present the results to the county engineering inspector prior to the construction of any paved area.
- 13. Grading work between October 15th and April 15th is at the discretion of the Santa Clara county grading official.
- Total disturbed area for the project ____24,995_ WDID No._____N/A
- 16. The inspector may verify that a valid notice of intent (NOI) has been issued by the state and that a current and up to date storm water pollution prevention plan (SWPPP) is available on site.

Tree Protection

- 1. For all trees to be retained with a canopy in the development area or interfaces with the limits of grading for all proposed development on site, the trees shall be protected by the placement of rigid tree protective fencing, consistent with the county integrated landscape guidelines, and include the
- Fencing should be placed along the outside edge of the dripline of the tree or grove of trees. The fencing shall be maintained throughout the site construction period and shall be inspected
- periodically for damage and proper function. Fencing shall be repaired, as necessary, to provide a physical barrier from construction activities. C. Signage stating, "warning- this fencing shall not be removed without permission from the Santa Clara county planning office (408) 299-5770. County of Santa Clara tree protection measures may be found at http://www.Sccplanning.Gov." shall be placed on the tree protective fencing until final
- Prior to commencement of any construction activity, tree protective fencing shall be securely in placed and inspected by the land development engineering inspector. 3. See existing tree protection details for more information.

Access Roads and Driveways

- Driveway locations shall be as shown on the improvement plans with centerline stationing. The minimum concrete thickness shall be 6 inches throughout (with a maximum approach slope of 1 1/4
- All driveway or common access road sections in excess of 15 longitudinal slope must be paved with a minimum 2-inch asphalt lift or full depth concrete lift prior to any combustible framing. The owner and prime contractor are responsible for maintaining project site access and neighborhood access for emergency vehicles and local residents.
- Roadways designated as not county maintained roads as shown on the plan will not be eligible for county maintenance until the roadways are improved (at no cost to the county) to the public maintenance road standards approved by the board of supervisors and in effect at such time that the roadways are considered for acceptance into the county's road system.
- All work in the county road right-of-way requires an encroachment permit from the roads and airports department. Each individual activity requires a separate permit - i.E. Cable, electrical, gas, sewer, water, retaining walls, driveway approaches, fences, landscaping, tree removal, storm drainage

Street Lighting

Pacific gas & electric electrolier service fee shall be paid by the developer and/or his authorized

Sanitary Sewer

- The sanitary sewer and water utilities shown on these plans are not part of this grading permit and
- are shown for reference only. 2. All materials and methods of construction of sanitary sewers shall conform to the specifications of the

jurisdiction involved. Inspection of sanitary sewer work shall be done by said jurisdiction. **Portland Cement Concrete**

Concrete used for structural purposes shall be class "a" (6 sack per cubic yard) as specified in the state standard specifications. Concrete placed must develop a minimum strength factor of 2800 psi in a seven-day period. The concrete mix design shall be under the continual control of the county

COUNTY OF SANTA CLARA

LAND DEVELOPMENT ENGINEERING & SURVEYING

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS

No work shall be done in the county's right-of-way without an encroachment permit, including the staging of construction material and the placement of

50o angle curb line to accept water or as shown on the plans.

swale or to an open area for sheet flow.

As-Built Plans Statement

roadside ditches.

Air Quality, Landscaping and Erosion Control

All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.

Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of

Pave, apply water three times daily, or apply (non-toxic) soil stabilizers on all unpaved access roads, parking areas

Sweep daily (with water sweepers) all paved access roads, parking areas and staging areas at construction sites.

Sweep streets daily (with water sweepers) if visible soil material is carried onto adjacent public streets. The use of

All construction vehicles, equipment and delivery trucks shall have a maximum idling time of 5 minutes (as required

by the California airborne toxic control measure title 13, section 2485 of California code of regulations (CCR)).

All construction equipment shall be maintained and properly tuned in accordance with manufacturer's

Engines shall be shut off if construction requires longer idling time unless necessary for proper operation of the

specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper

Post a sign that is at least 32 square feet minimum 2 inches letter height visible near the entrance of construction

site that identifies the following requirements. Obtain encroachment permit for sign from roads department or other

Telephone number to contact the bay area air quality management district regarding dust complaints. Note phone

number of the bay area air quality management district air pollution complain hotline of 1-800-334-6367.

10. All fill slopes shall be compacted and left in a smooth and firm condition capable of withstanding weathering. 11. All exposed disturbed areas shall be seeded with brome seed spread at the rate of 5 lb. Per 1000 square feet (or

13. All storm drainage structures shall be installed with effective entrance & outfall erosion controls e.G. Sacked

concrete rip-rap. Energy dissipaters shall be installed at all ditch outfalls. Where outfalls are not into an existing

county grading ordinance to minimize the visual impacts of the grade slopes and reduce the potential for erosion

14. Prior to grading completion and release of the bond, all graded areas shall be reseeded in conformance with the

15. Permanent landscaping shown on the attached landscape plan must be installed and field approved by the county planning office prior to final approval by the county engineer, and final occupancy release by the building

best management practices (BMPs) on the project site and within the Santa Clara county road right-of-way

throughout the duration of the construction and until the establishment of permanent stabilization and sediment

waste into the Santa Clara county right-of-way, storm sewer waterways, roadway infrastructure. BMPs shall

Prevention of tracking of mud, dirt, and construction materials onto the public road right-of-way.

17.3. Prevention of discharge of water run-off during dry and wet weather conditions onto the public road

18. The owner, contractor, and any person performing construction activities shall ensure that all temporary

secondary containment areas, etc. Are located outside the Santa Clara county road right-of-way.

erosion control measures may result in violations, fines, and a stoppage of work.

Storm Drainage and Stormwater Management

17.1. Prevention of pollutants in storm water discharges from the construction site and the contractor's material and

construction facilities, including but not limited to construction materials, deliveries, hazardous and non-hazardous

year around basis, depending on the season, weather, and field conditions. Erosion control measures in addition

to those noted in the permitted plans may be necessary. Failure to install site site and situationaly appropriate

material storage, equipment, tools, portable toilets, concrete washout, garbage containers, laydown yards,

19. Erosion control plan is a guide and shall be amended as necessary to prevent erosion and illicit discharges on a

Developer is responsible for all necessary drainage facilities whether shown on the plans or not and he or his

permit cas612008 / order no. R2-2009-0047 and NPDES permit cas000004/ order no. 2013-0001-dwq.

successor property owners are responsible for the adequacy and continued maintenance of these facilities in a

manner which will preclude any hazard to life, health, or damage to adjoining property, consistent with NPDES

Drop inlets shall be county standard type 5 unless otherwise noted on the plans. The developer's engineer shall be

responsible for the proper location of drop inlets. Where street profile grade exceeds 6% drop inlets shall be set at

Where culverts are installed the developer shall be responsible for grading the outlet ditch to drain to an existing

Upon installation of driveway connections, property owners shall provide for the uninterrupted flow of water in

The county shall inspect underground drainage improvements and stormwater management features prior to

control to prevent the discharge of pollutants including sediment, construction materials, excavated materials, and

approved equal). Seeding and watering shall be maintained as required to ensure growth.

Water all active construction areas at least twice daily.

and staging areas at construction sites.

dry powder sweeping is prohibited.

condition prior to operation

applicable agency if required.

inspection office.

right-of-way.

of every year

A. 15 miles per hour (mph) speed limit

5 minutes maximum idling time of vehicles

12. All ditches shall be lined per county standard sd8.

include, but not be limited to the following

equipment laydown / staging areas.

creek or water course, runoff shall be released to sheet flow

The use of dry powder sweeping is prohibited

Note: this statement is to be signed by the person authorized by the county engineer to perform the inspection work. A reproducible copy of the as-built plans must be furnished to the county engineer after construction.

Geotechnical Engineer Observation

A construction observation letter from the responsible geotechnical engineer and engineering geologist detailing construction observations and certifying that the work was done in accordance with the recommendations in the geotechnical and geologic reports shall be submitted prior to the grading completion and release of the bond.

Engineer:

William J. McClintock, RCE 24893 MH Engineering

16075 Vineyard Blvd. Morgan Hill, CA 95037 408.779.7381

billm@mhengineering.com

Project Information:

830-03-037 Agricultural/Commercial Present Use: Proposed Use: Agricultural/Commercial Present Zoning RR-5Ac-sr RR-5Ac-sr Proposed Zoning On-Site System Sanitary Sewer: PG&E Gas and Electric: Existing Well Telephone: Verizon Existing Improvements As Shown 7.78 ac Field Topo

Benchmark: Elevations shown on this plan are based upon the top of the monumnet box located north of the existing driveway approach in Lena Avenue. Elevation= 202.16' (assumed)

Flood Zone: The project property lies wholly in Zone D: Areas in which flood hazards are undetermined, but possible per FEMA FIRM 08085C0629H, effective May 18, 2009.

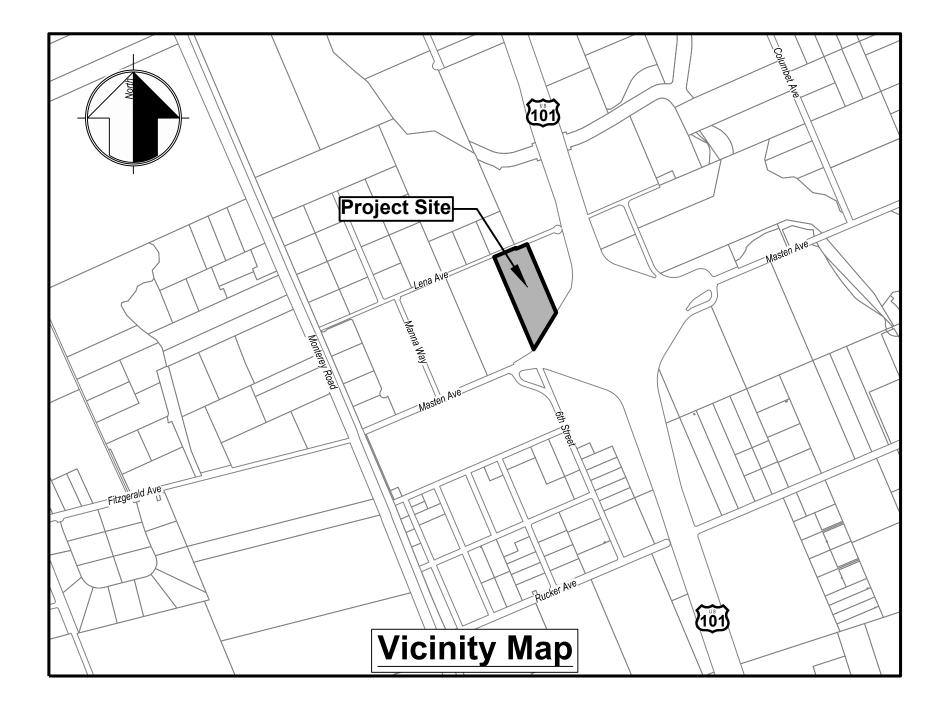
Underground Utility Note: Observed surface evidence of utility lines including facilities, appurtenances and markings were used in depicting the location of underground utilities shown on these plans. However, lacking excavation, the exact location and depth of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation may be

Topography Note: Topography shown from field surveys conducted by MH engineering in November of

Boundary Note: Property lines shown on this plan are based on record data and boundary monumentation

Drainage Plans IronOx

450 Lena Avenue



Survey Monument Preservation

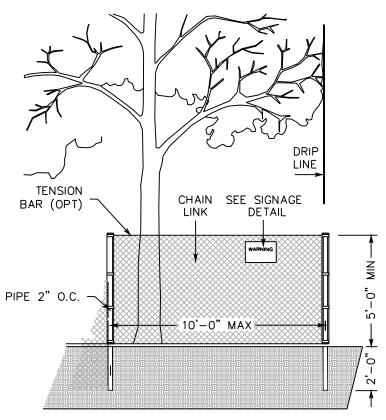
- The landowner / contractor must protect and ensure the perpetuation of survey monuments affected by construction activities. 2. Prior to the start of construction, the contractor shall locate, stake, and flag or otherwise identify with paint or other markings all permanent survey monuments of record and any unrecorded
- monuments that are discovered that are within 50 feet of the construction activity 3. The landowner, contractor and/or any person performing construction activities that will or may disturb an existing monument, corner stake, or any other permanent surveyed monument shall cause to have a licensed land surveyor or civil engineer, authorized to practice surveying, ensure This is a true copy of the as-built plans. There (were) (were not) minor field changes - marked with the symbol that a corner record and/or record of survey are filed with the county surveyor's office prior to (^). There (___were) (___ were not) plan revisions indicating significant changes reviewed by the county engineer and disturbing said monuments and reset permanent monument(s) in the surface of the new construction or set a witness monument(s) to perpetuate the location if any permanent monument could be destroyed, damaged, covered, disturbed, or otherwise obliterated. The licensed land surveyor or civil engineer shall file a corner record or record of survey with county surveyor prior to final acceptance of the project by the land development engineering inspector.

Existing tree protection details

- Prior to the commencement of any grading, tree protective fencing shall be in place in accordance with the tree preservation plan and inspected by a certified arborist. The arborist shall monitor construction activity to ensure that the tree protection measures are implemented and adhered to
- 2. Fence shall be minimum 5 feet tall constructed of sturdy material (chain-link or equivalent strength/ 3. Fence shall be supported by vertical posts driven 2 feet (min) into the ground and spaced not more

during construction. This condition shall be incorporated into the grading plans.

- 4. Tree fencing shall be maintained throughout the site during the construction period, inspected periodically for damage and proper function, repaired as necessary to provide a physical barrier
- from construction activities, and remain in place until the final inspection. 5. A sign that includes the words, "warning: this fence shall not be removed without the expressed permission of the Santa Clara county planning office," shall be securely attached to the fence in a visually prominent location.



Engineer's statement

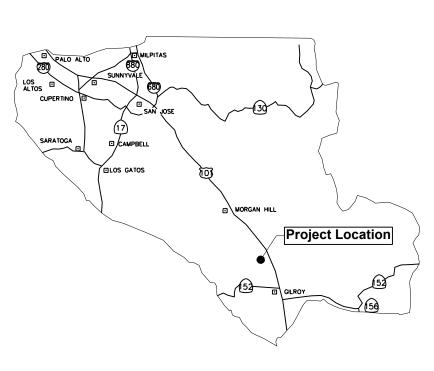
I hereby state that these plans are in compliance with adopted county standards, the approved tentative map (or plan) and conditions of approval pertaining thereto dated File(s) No.

No. 24893 **Expiration Date**

County Engineer's Note

Issuance of a permit authorizing construction does not release the developer, permittee of engineer from responsibility for the correction of errors or omissions contained in the plans. If, during the course of construction, the public interest requires a modification of (or departure from) the specifications of the plans, the county shall have the authority to require the suspension of work, and the necessary modification or departure and to specify the manner in which the same is to

Expiration Date: 3/31/20

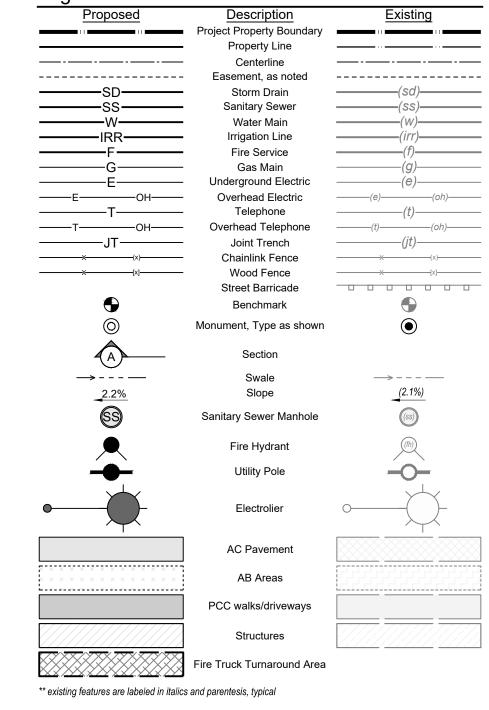


County Location Map

Scope of Work

- Concrete walkway to proposed greenhouse expansion
- Construction of a vegetated swale and retention/detention pond
- **Erosion Control**

AC	Asphalt Concrete	HP	High Point
BC	Beginning of Curve	INV	Invert
BVC	Beginning of Vertical Curve	JP	Joint Pole
BW	Back of Walk	LP	Low Point
Œ.	Centerline	Max	Maximum
CL D/W	Centerline Driveway	Min	Minimum
CMP	Corrugated Metal Pipe	NG	Natural Ground
CO	Clean Out	PB	Pull Box
DI	Drop Inlet	ዊ	Property Line
DIP	Ductile Iron Pipe	PSE	Public Service Easement
DWY	Driveway	PSDE	Private Storm Drain Easen
EC	End of Curve	PVI	Point of Vertical Intersection
EG	Existing Ground	PUE	Public Utility Easement
ELCT	Electrolier	RCP	Reinforced Concrete Pipe
EP	Edge of Pavement	R/W	Right of Way
ER	End of Return	SDMH	Storm Drain Manhole
EVC	End of Vertical Curve	SSMH	Sanitary Sewer Manhole
EX, EXST	Existing	Std	Standard
FF	Finish Floor	SW	Sidewalk
FG	Finish Grade	TBM	Temporary Benchmark
FL	Flowline	TC	Top of Curb



Sheet Index Sheet Cover Sheet & Notes **Existing Topography** Drainage Plan **Erosion Control Plan** Stormwater Control Plan SCCBMP-1 Santa Clara County BMP Sheet SCCBMP-2 Santa Clara County BMP Sheet 2

MH engineering Co. 16075 Vineyard Blvd. Morgan Hill, CA 95037 408.779.7381

830-28-068 Revision 2

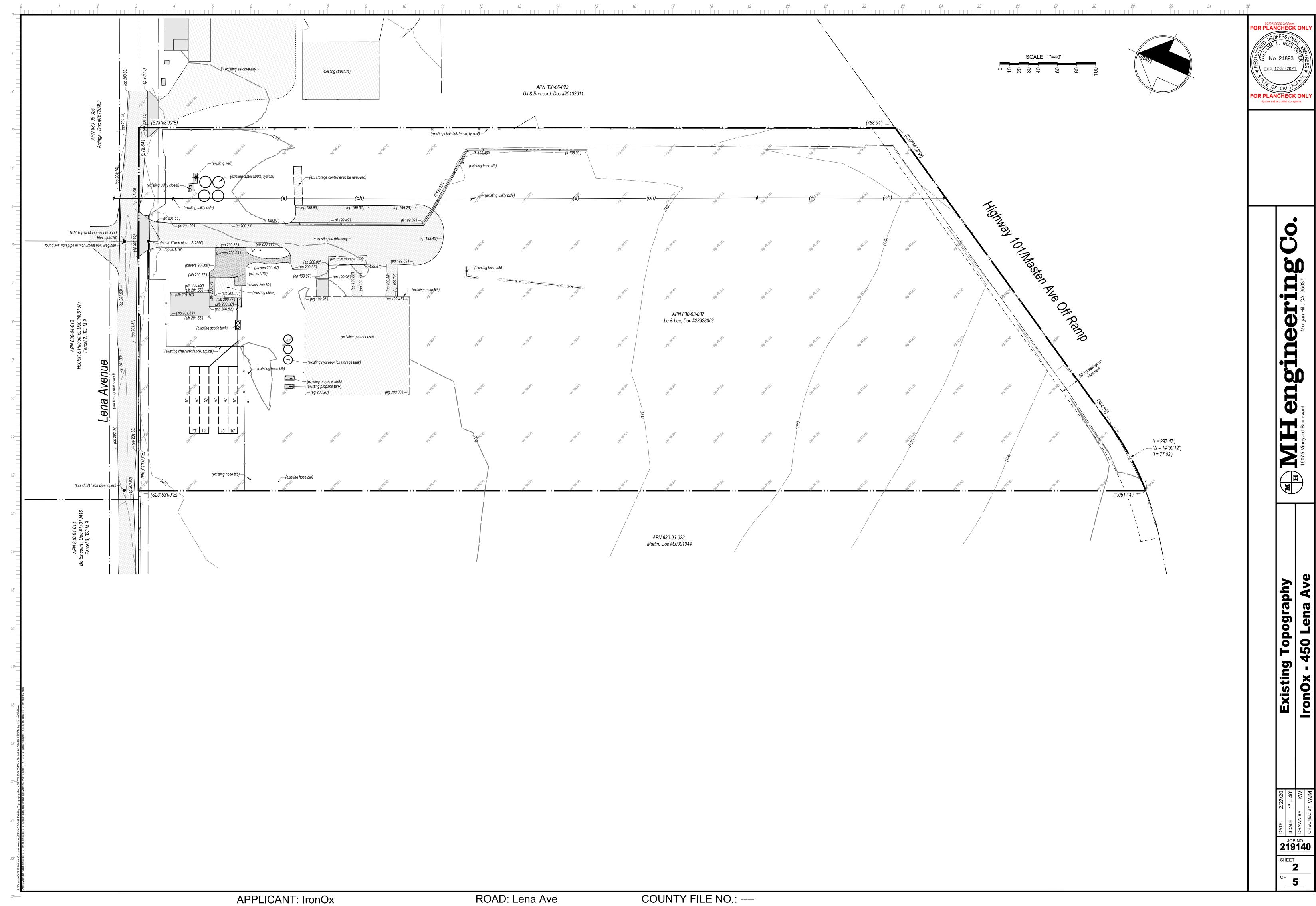
APPLICANT: IronOx

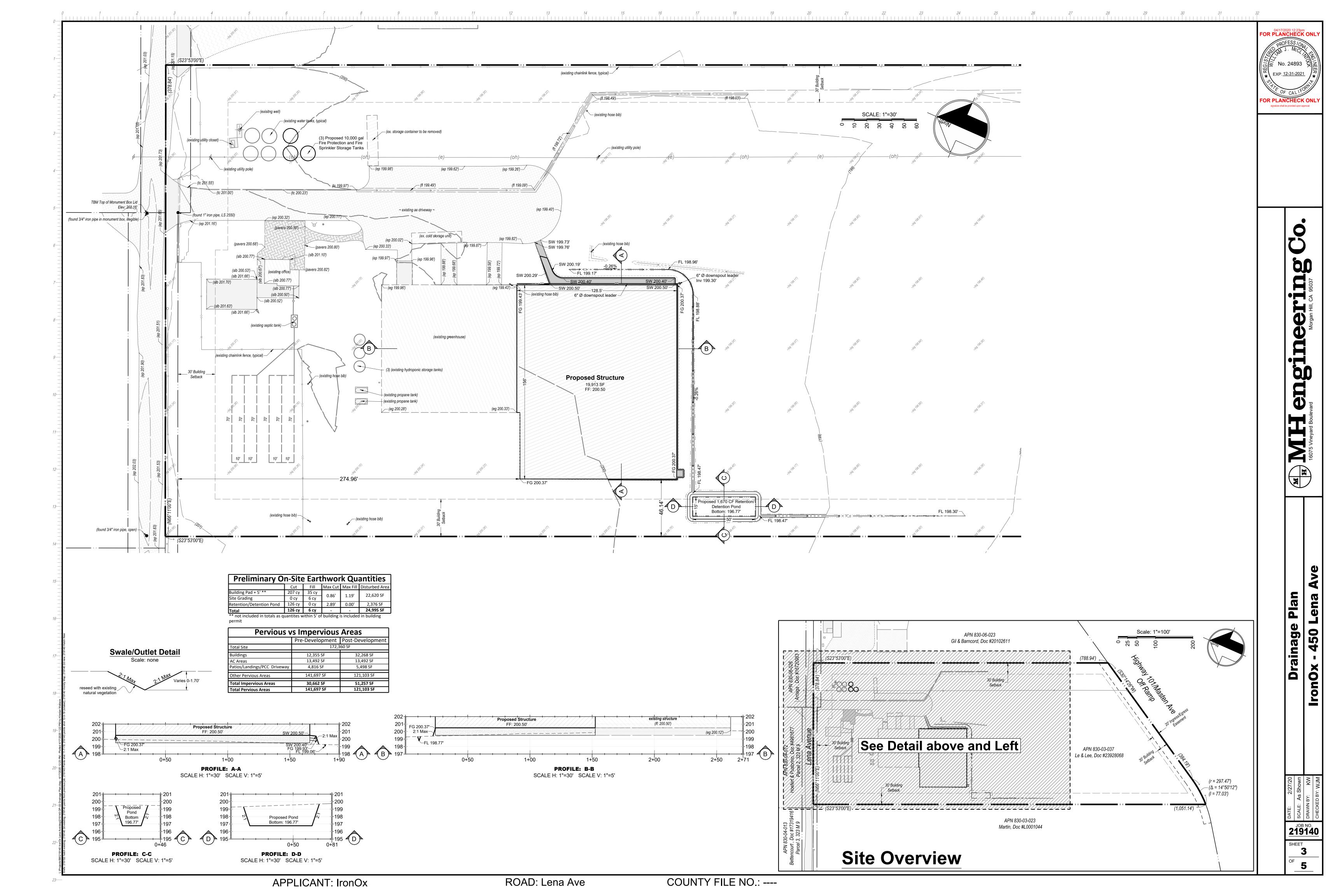
GRADING / DRAINAGE PERMIT NO.

ENCROACHMENT PERMIT NO.

ISSUED BY:

portable toilets.





No. 24893

Control Plan

Erosion IronOx - 4

219140

SHEET

EXP. <u>12-31-2021</u>

OR PLANCHECK ONLY

PROFESS / ONLY

No. 24893

EXP. 12-31-2021

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OF CAL IFORM

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Lengineering Morgan Hill, CA 95037

ater Control Plan

Stormwater Colling IronOx - 450

DATE: 2/27

DATE: 2/27

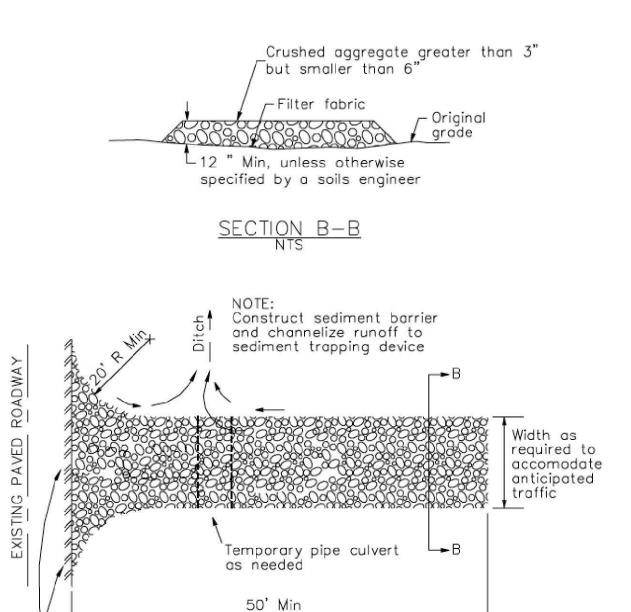
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Stabilized Construction Entrance/Exit

CASQA Detail TC-1



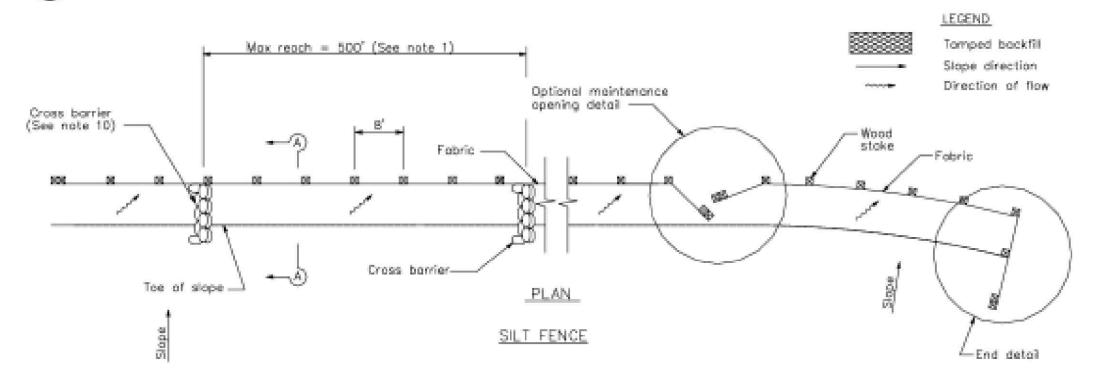
or four times the circumference

of the largest construction vehicle tire,

whichever is greater

CASQA Detail EC-10

Silt Fence CASQA Detail SE-1



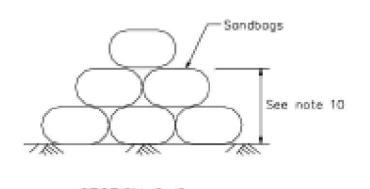
NOTES

- 1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear borrier, in no case shall the reach length exceed 500
- 2. The last B'-0" of fence shall be turned up slape.
- Stake dimensions are naminal.
- 4. Dimension may very to fit field condition.

positioned on downstream side of fence.

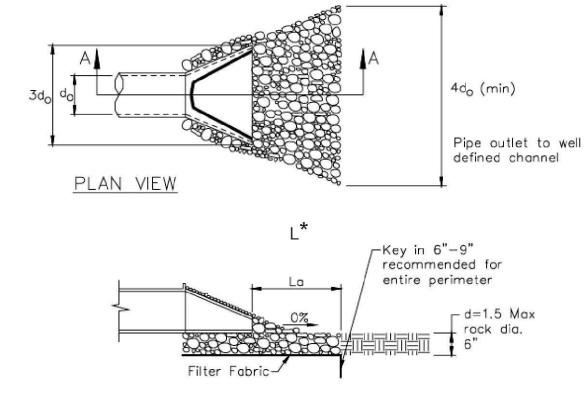
- 5. Stakes shall be spaced at 8'-0" maximum and shall be
- 6. Stakes to overlap and fence fabric to fold around each stake
- one full turn. Secure fabric to stake with 4 staples. 7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
- 8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
- Minimum 4 staples per stake. Dimensions shown are typical.
- 10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
- 11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
- Joining sections shall not be placed at sump locations.
- 13. Sandbag rows and layers shall be offset to eliminate gaps.

CROSS BARRIER DETAIL



SECTION C-C

Velocity Dissipation Devices

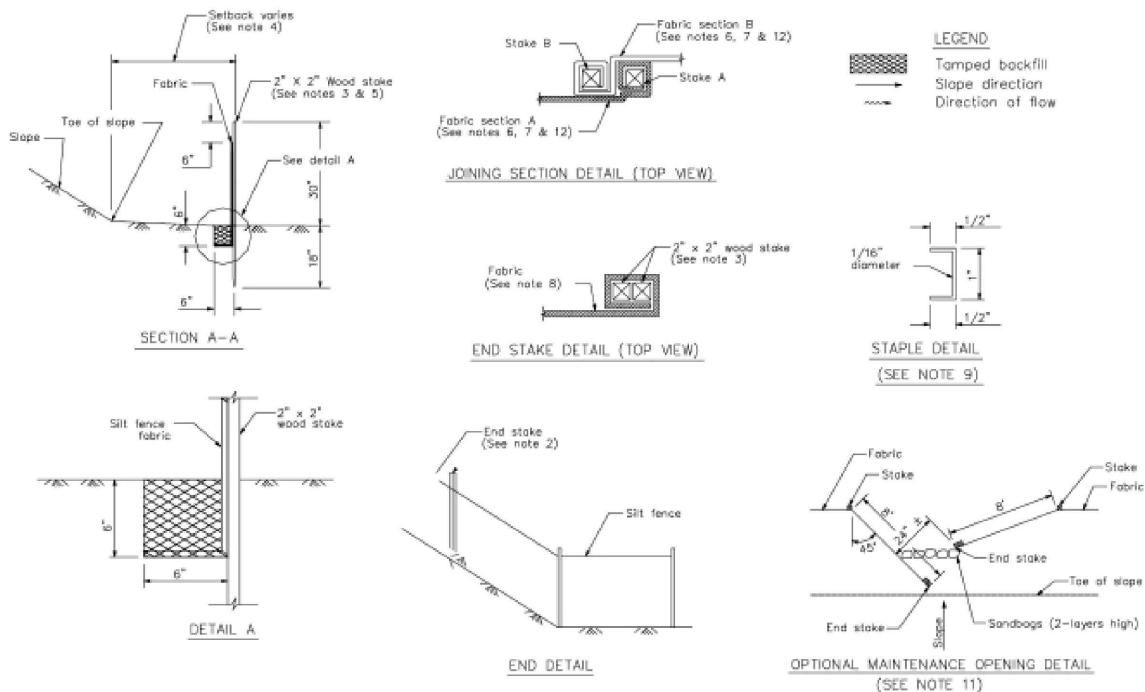


SECTION A-A

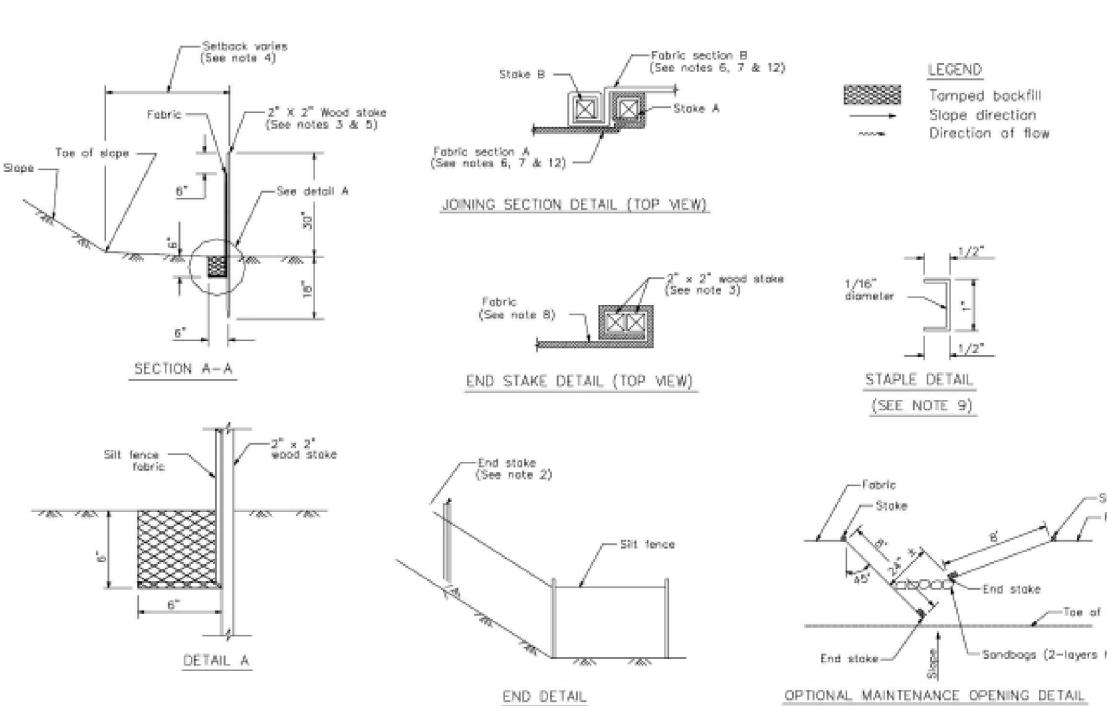
Existing

Grade

* Length per ABAG Design Standards



Silt Fence



CASQA Detail SE-1

STANDARD BEST MANAGEMENT PRACTICE NOTES

- 1. Solid and Demolition Waste Management: Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or
- 2. <u>Hazardous Waste Management</u>: Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- 3. Spill Prevention and Control: Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- 4. <u>Vehicle and Construction Equipment Service and Storage</u>: An area shall be designated for the maintenance, where onsite maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- 5. Material Delivery, Handling and Storage: In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- 6. Handling and Disposal of Concrete and Cement: When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- . <u>Pavement Construction Management</u>: Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- . Contaminated Soil and Water Management: Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or
- . Sanitary/Septic Water Management: Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or
- 10. Inspection & Maintenance: Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

1. Sediment Control Management:

<u>Tracking Prevention & Clean Up</u>: Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.

Storm Drain Inlet and Catch Basin Inlet Protection: All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber roles or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.

Storm Water Runoff: No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.

<u>Dust Control</u>: The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.

Stockpiling: Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures(tarps, straw bales, silt fences, ect.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.

- 2. <u>Erosion Control</u>: During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- 3. <u>Inspection & Maintenance</u>: Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/ or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- 4. Project Completion: Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- 5. It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- 6. Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

Information

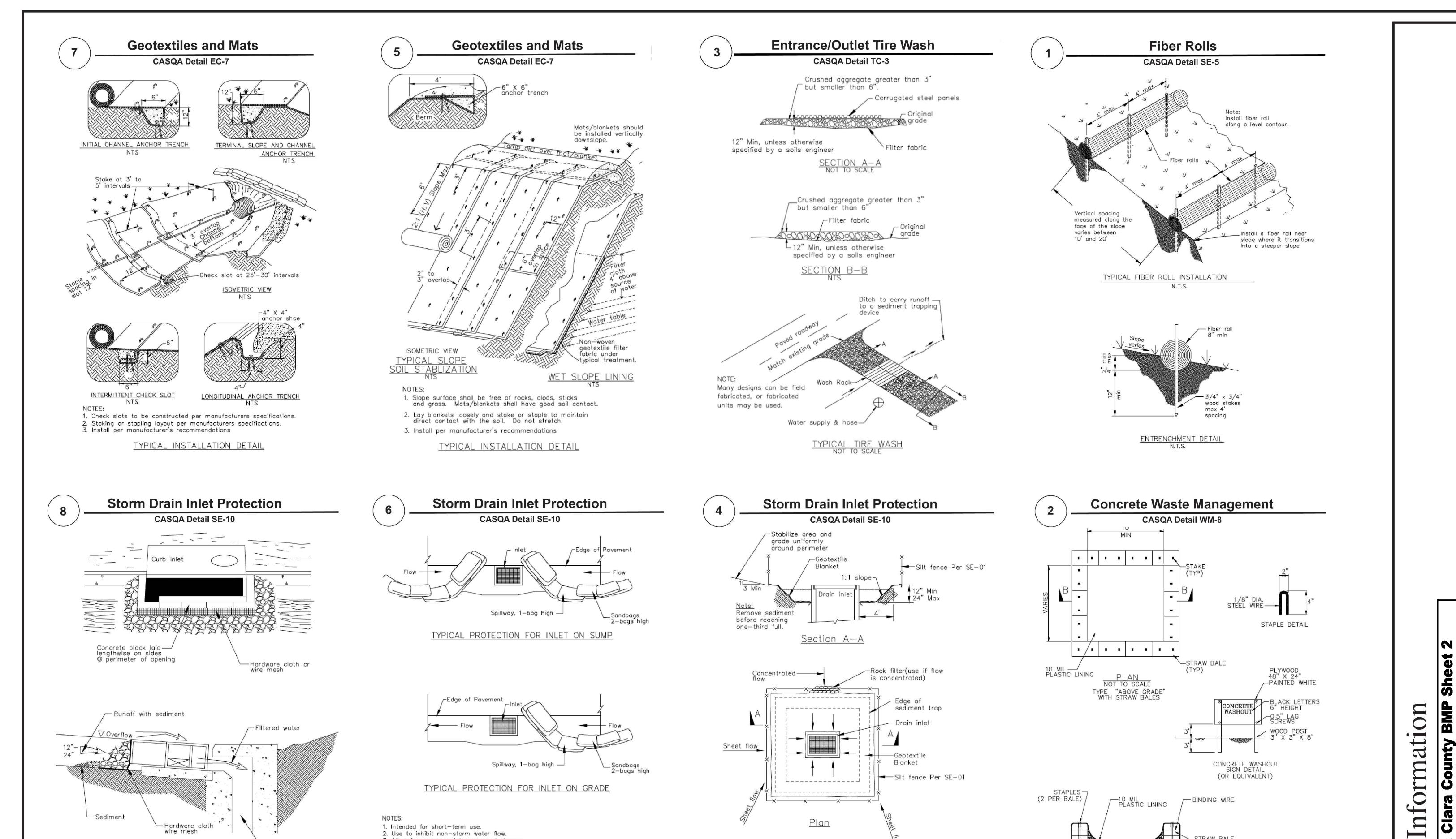
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

> Best Management Practices and Erosion Control Details Sheet 1 County of Santa Clara



450 Lena

IronOx



1. For use in cleared and grubbed and in graded areas.

towards direction of flow.

Shape basin so that longest inflow area faces longest length of trap.
 For concentrated flows, shape basin in 2:1 ratio with length oriented

Best Management Practices and Erosion Control Details Sheet 2 County of Santa Clara



NOTES

ACTUAL LAYOUT DETERMINED IN FIELD.

THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

WOOD OR—/ METAL STAKES (2 PER BALE)

NATIVE MATERIAL—
(OPTIONAL)

450 Lena

IronOx

-Hardware cloth wire mesh

DI PROTECTION - TYPE 4
NOT TO SCALE

Source for Graphics: California Stormwater BMP Handbook, California

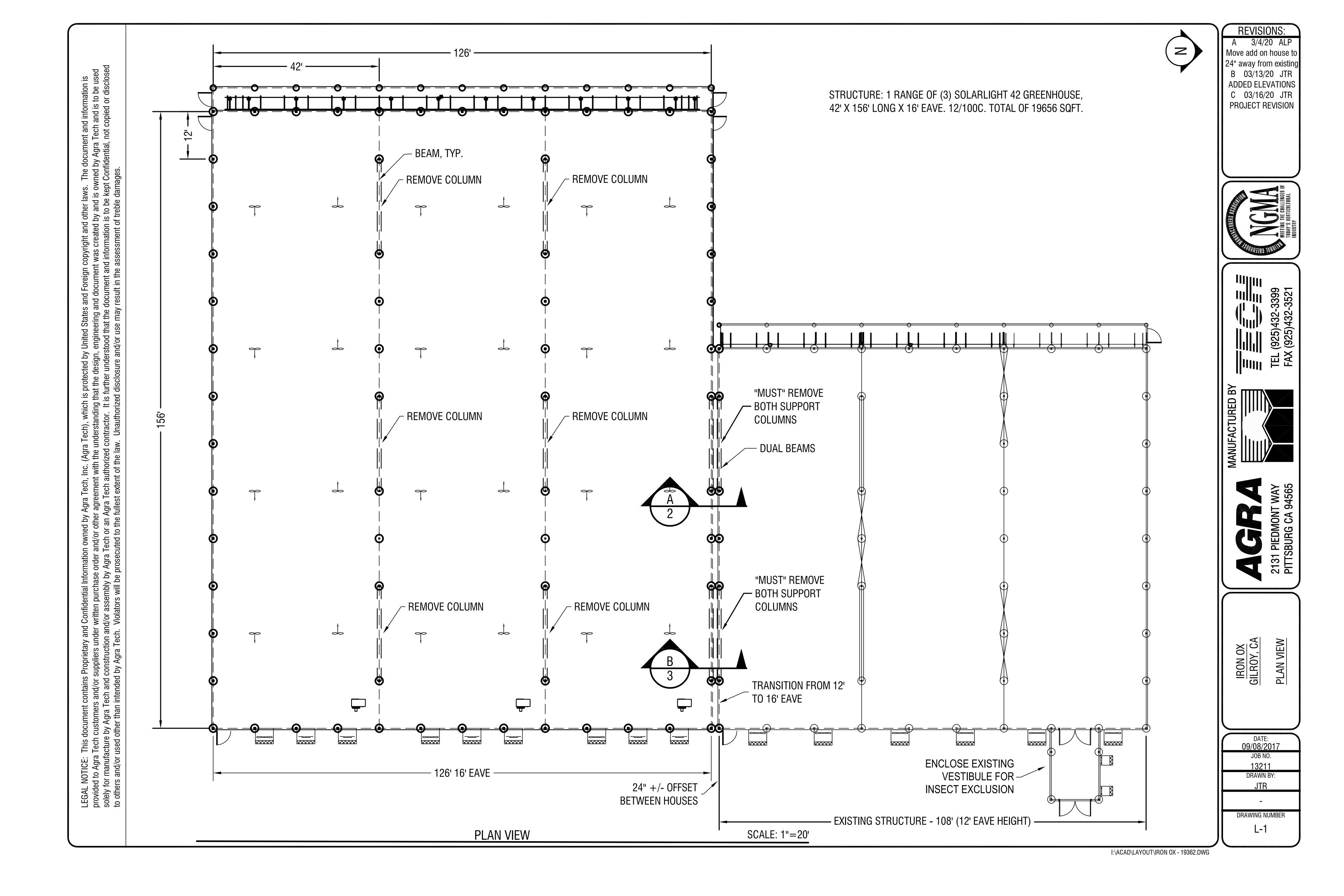
Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

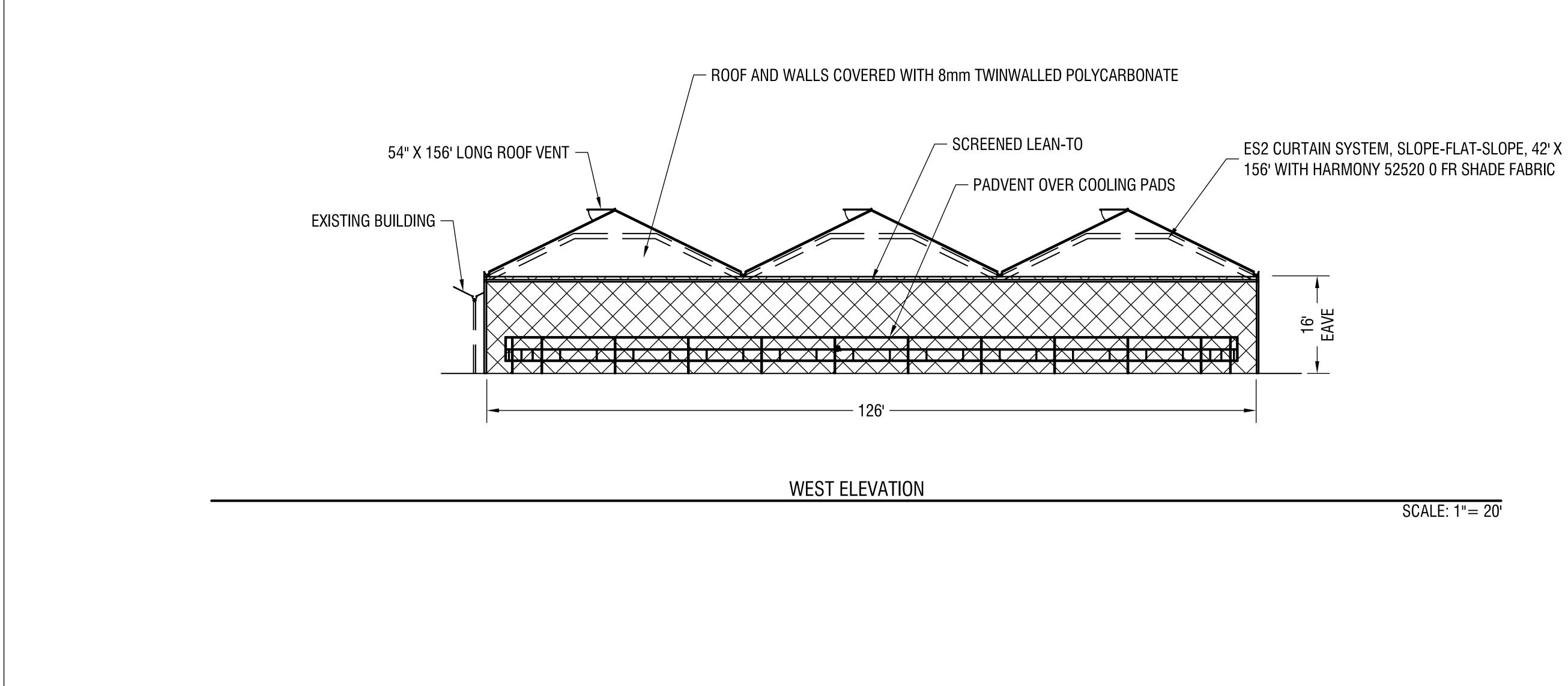
1. Intended for short-term use.

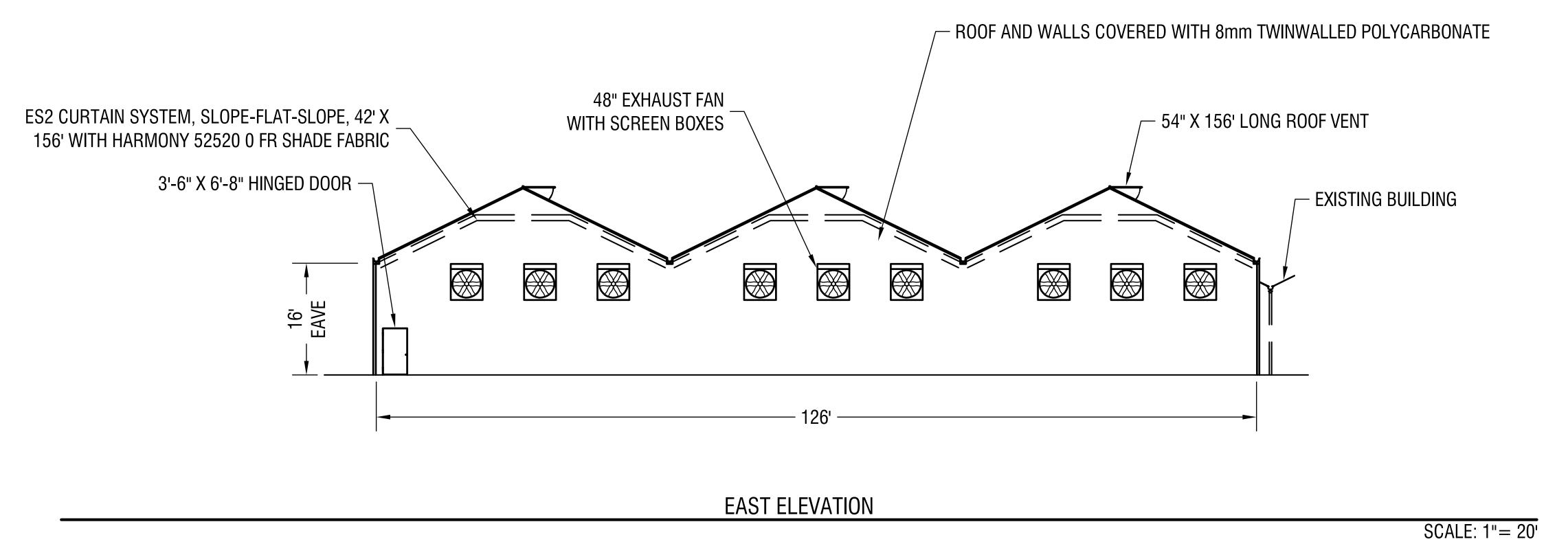
2. Use to inhibit non-storm water flow. Allow for proper maintenance and cleanup.

4. Bags must be removed after adjacent operation is completed

5. Not applicable in areas with high silts and clays without filter fabric.







REVISIONS:

3/4/20 ALP Move add on house t 24" away from existing B 03/13/20 JTR ADDED ELEVATIONS C 03/16/20 JTR PROJECT REVISION





TEL (925)432-3399 FAX (925)432-3521



2131 PIEDMONT WAY PITTSBURG CA 94565

ELEVATION VIEW IRON OX GILROY, CA

DATE: 09/08/2017 JOB NO. 13211 DRAWN BY: JTR

> DRAWING NUMBER L-2

REVISIONS:

3/4/20 ALP Move add on house t 24" away from existing B 03/13/20 JTR ADDED ELEVATIONS C 03/16/20 JTR PROJECT REVISION







2131 PIEDMONT WAY PITTSBURG CA 94565

ELEVATION VIEW

DATE: 09/08/2017 JOB NO. 13211 DRAWN BY: JTR

DRAWING NUMBER

L-3

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