

COUNTY OF SANTA CLARA

General Construction Specifications

GENERAL CONDITIONS

- 1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY STEVENS FERRONE & BAILEY ENGINEERING COMPANY, INC...

CONSTRUCTION STAKING

- 1. 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...

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.

SITE PREPARATION (CLEARING AND GRUBBING)

- 1. EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS:

UTILITY LOCATION, TRENCHING & BACKFILL

- 1. 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.

RETAINING WALLS

- 1. REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR...

GRADING

- 1. 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, IT SHALL BE STRIPPED OF ALL VEGETATION...

Table with 4 columns: LOCATION, CUT (C.Y.), FILL (C.Y.), VERT. DEPTH. Rows include BUILDING (MULTI-USE), BUILDING (FUTURE CHURCH), PARKING LOT, LANDSCAPING, POND, and TOTAL.

- NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE. EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP 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...

ACCESS ROADS AND DRIVEWAYS

- 1. 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 INCHES PER FOOT).

STREET LIGHTING

- 1. PACIFIC GAS & ELECTRIC ELECTROLIER SERVICE FEE SHALL BE PAID BY THE DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE.

SANITARY SEWER

- 1. THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.

PORTLAND CEMENT CONCRETE

- 1. CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS.

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THESE PLANS OR NOT. THE DEVELOPER OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES...

AS-BUILT PLANS STATEMENT

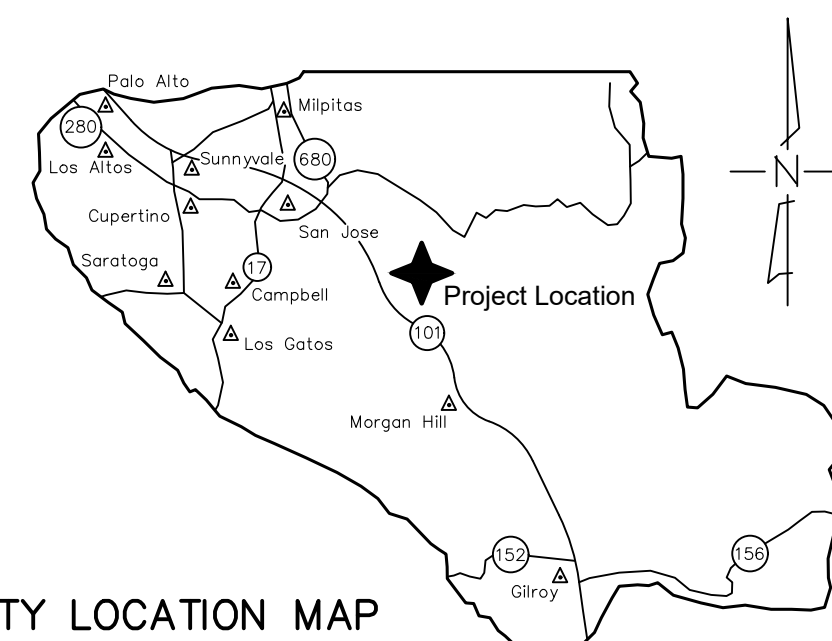
THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE ( ) WERE ( ) WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (\*). THERE ( ) WERE ( ) WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL Δ.

DATE SIGNATURE

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

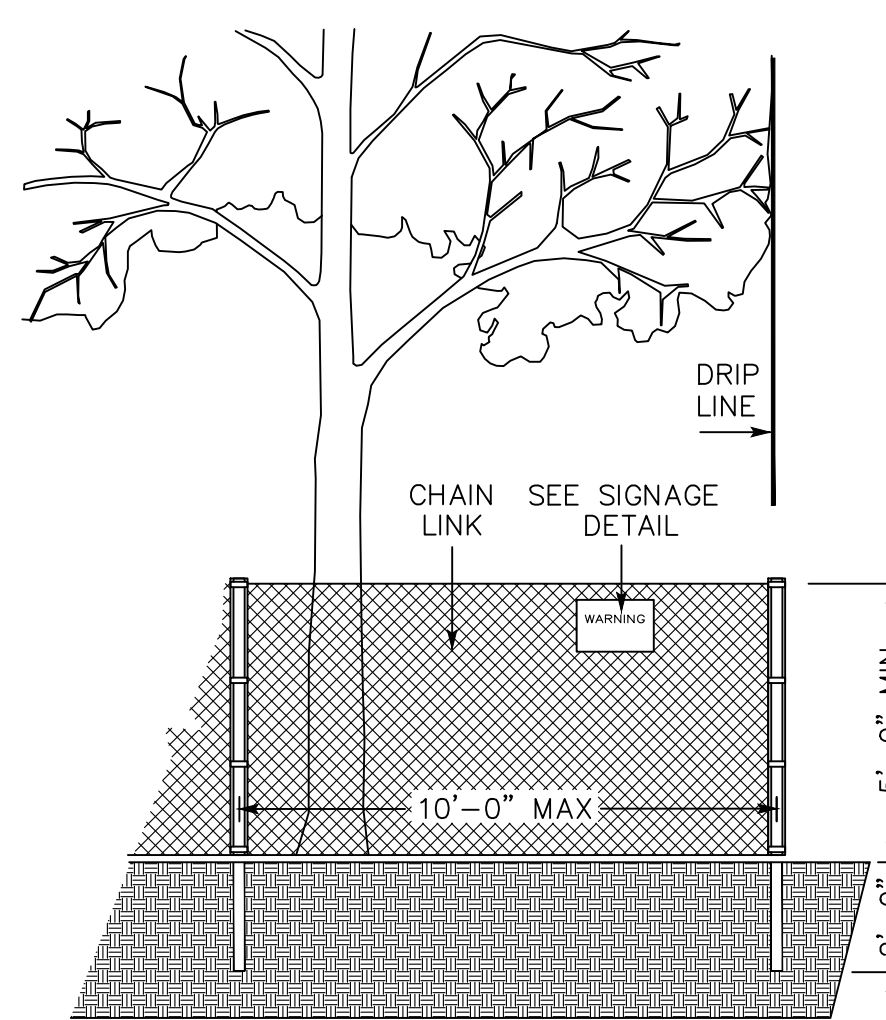
- 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.



COUNTY LOCATION MAP

SURVEY MONUMENT PRESERVATION

- 1. THE LANDOWNER/CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY CONSTRUCTION ACTIVITIES.



EXISTING TREE PROTECTION DETAILS

- 1. 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.

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS ISSUED BY: DATE: ENCROACHMENT PERMIT NO.

COUNTY OF SANTA CLARA LAND DEVELOPMENT ENGINEERING & SURVEYING GRADING/DRAINAGE PERMIT NO. ISSUED BY: DATE:

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 PORTABLE TOILETS.

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.

DATE 69278 R.C.E. NO.

COUNTY ENGINEER'S NOTE

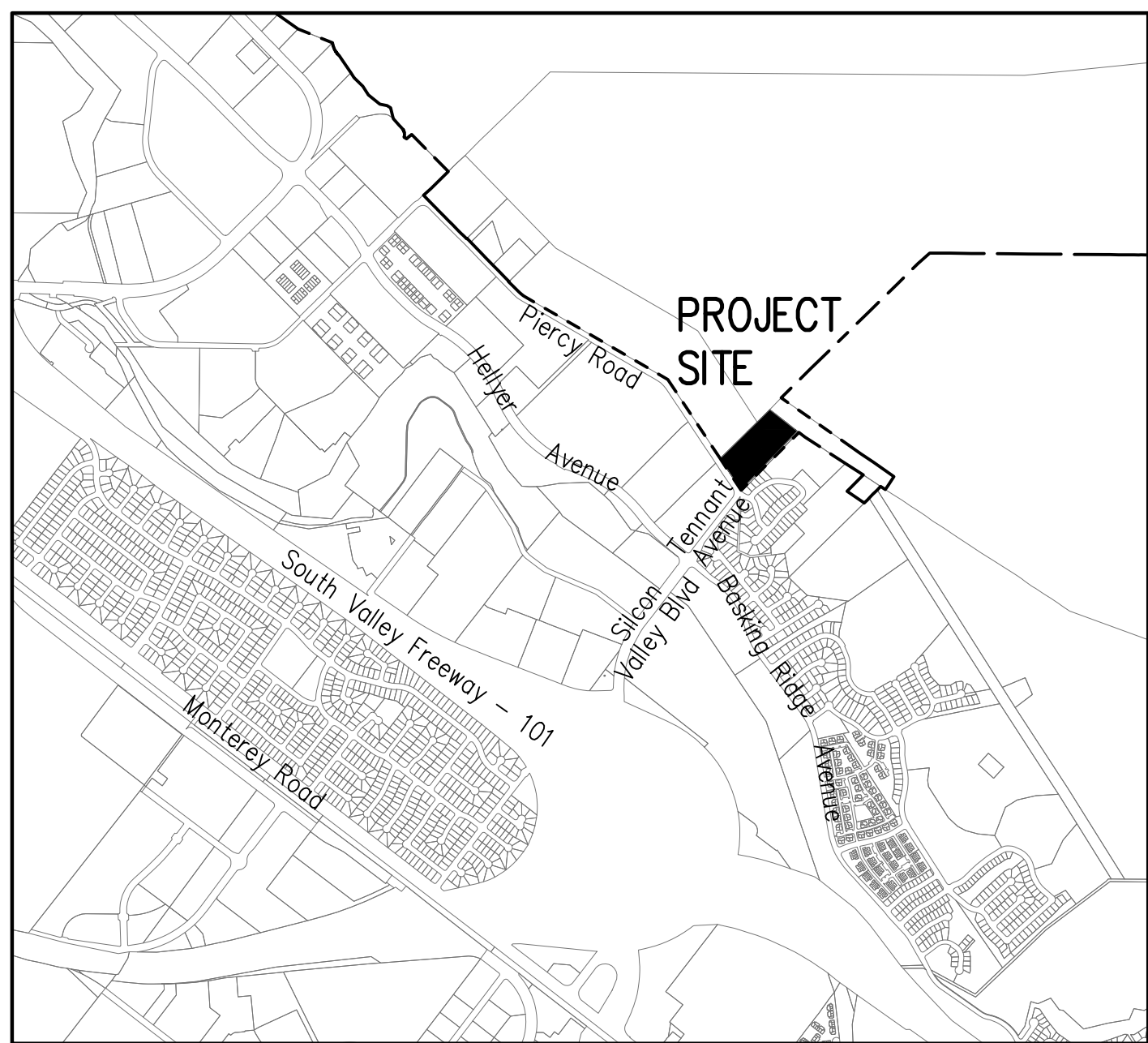
ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPARTURE FROM) THE SPECIFICATIONS 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 BE MADE.

DATE DARRELL K.H. WONG

PRELIMINARY PLANS NOT FOR CONSTRUCTION



R.C.E. NO. 63958 EXPIRES 9/30/22



VICINITY MAP NO SCALE

SCOPE OF WORK

- 1. THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WORK PROPOSED ON THE EROSION CONTROL PLAN. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE EROSION CONTROL PLANS AND ANY MODIFICATIONS OF THE EROSION CONTROL PLANS TO PREVENT ILLICIT DISCHARGES FROM THE SITE DURING CONSTRUCTION.

SHEET INDEX

Table with 2 columns: Sheet Number, Sheet Description. Includes COVER SHEET, TOPOGRAPHIC SURVEY, SITE PLAN, PRELIMINARY GRADING & DRAINAGE PLAN, UTILITY PLAN, NOTES, SECTIONS & DETAILS, EROSION CONTROL PLAN, STORMWATER CONTROL PLAN, BEST MANAGEMENT PRACTICES.

ENGINEER'S NAME: HANNA & BRUNETTI ADDRESS: 7651 EGGLEBERRY STREET, GILROY CA 95020 PHONE NO. 408 842-2173 FAX NO. 408 842-3662

PRELIMINARY IMPROVEMENT PLANS

FOR THE GRADING AND DRAINAGE ON THE LANDS OF SOUTHRIDGE CHURCH PIERCY ROAD, SAN JOSE

LOT 1, ON THE MAP OF THE A.J. PIERCY SUBDIVISION OF A PART OF LOT 3 OF THE PIERCY PARTITION RECORDED JANUARY 17, 1921 IN BOOK 'P' OF MAPS, PAGE 52 SANTA CLARA COUNTY, CALIFORNIA A.P.N.: 678-13-012

Table with 4 columns: Revision Number, Date, APN, Sheet Number. Shows revisions 1, 2, and 3.

JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH

ROAD: PIERCY ROAD

COUNTY FILE NO.: PLN23-009



THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

**BENCHMARK:**

BENCHMARK ID: 769-B  
 ELEVATION: 217.37 FEET (NGVD29)  
 ORGANIZATION: CITY OF SAN JOSE

**DESCRIPTION**

SET 1-1/4" BRASS DISK STAMPED CSJ BM SET ON CONCRETE FOUNDATION FOR SIGN FIRE STATION 27 AT BERNAL ROAD AND VIA SERENA. F.B. 1375

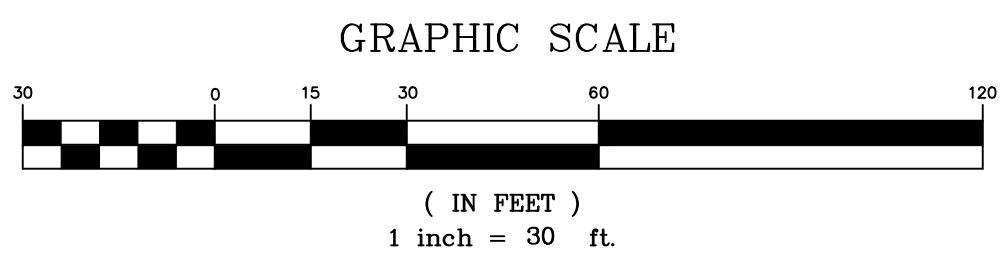
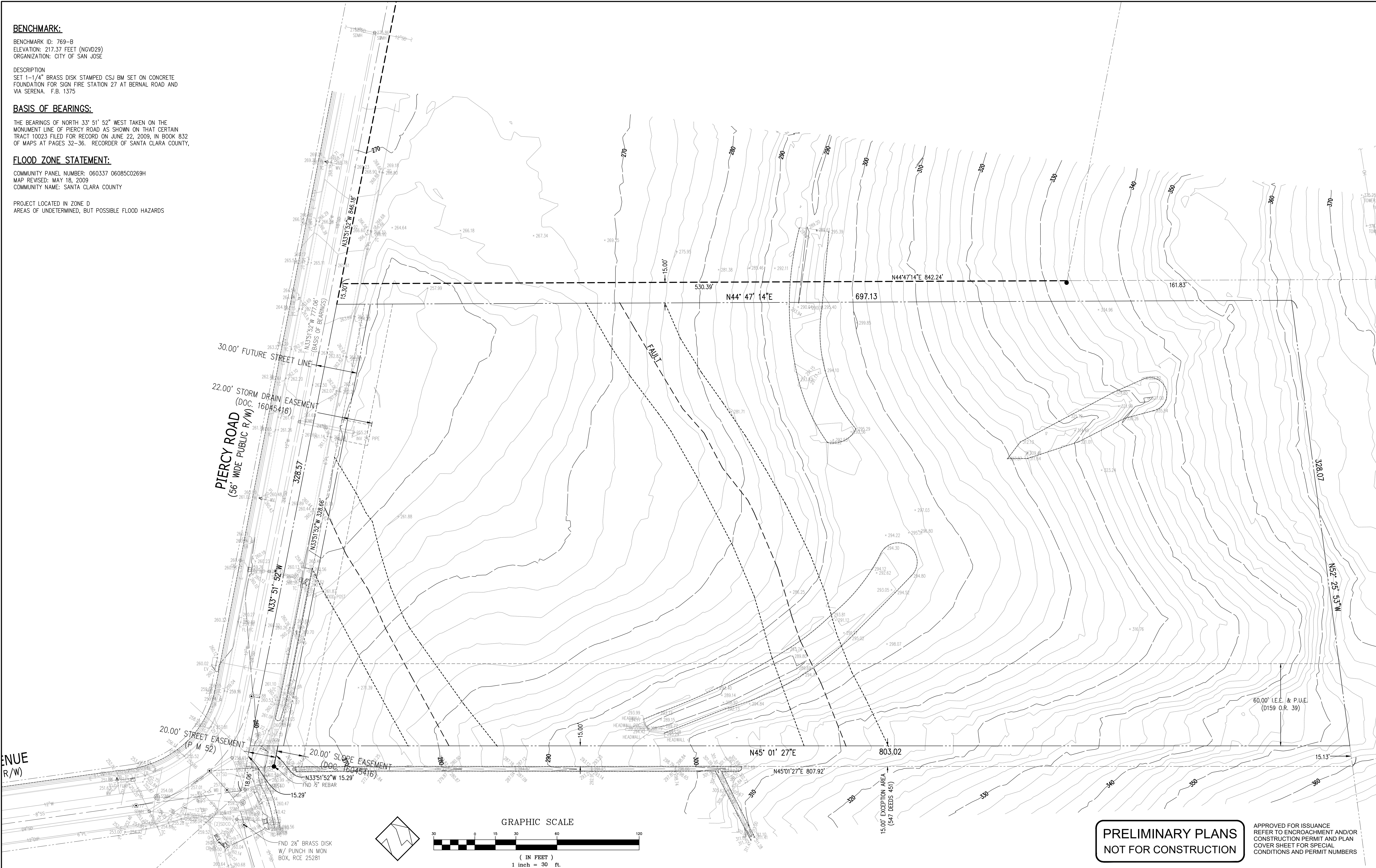
**BASIS OF BEARINGS:**

THE BEARINGS OF NORTH 33° 51' 52" WEST TAKEN ON THE MONUMENT LINE OF PIERCY ROAD AS SHOWN ON THAT CERTAIN TRACT 10023 FILED FOR RECORD ON JUNE 22, 2009, IN BOOK 832 OF MAPS AT PAGES 32-36. RECORDER OF SANTA CLARA COUNTY.

**FLOOD ZONE STATEMENT:**

COMMUNITY PANEL NUMBER: 060337 06085C0269H  
 MAP REVISED: MAY 18, 2009  
 COMMUNITY NAME: SANTA CLARA COUNTY

PROJECT LOCATED IN ZONE D  
 AREAS OF UNDETERMINED, BUT POSSIBLE FLOOD HAZARDS



**PRELIMINARY PLANS  
 NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE  
 REFER TO ENCROACHMENT AND/OR  
 CONSTRUCTION PERMIT AND PLAN  
 COVER SHEET FOR SPECIAL  
 CONDITIONS AND PERMIT NUMBERS

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
 CIVIL ENGINEERS - LAND SURVEYORS  
 CONSTRUCTION MANAGERS  
 7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
 OFFICE (408) 842-2113 - FAX (408) 842-3682  
 EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
 HORIZ. SCALE: 1"=30'  
 VERT. SCALE: NONE  
 DESIGNED BY: AM  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: TM

date: \_\_\_\_\_  
 Hanna - Brunetti  
 Amanda Joy Musy-Verdel  
 R.C.E. # 69278



REFERENCES

UNINCORPORATED  
 SEPTEMBER 2023

**Topographic Survey**  
 Lands of Southridge Church - Piercy Road - apn 678-13-012  
 SANTA CLARA COUNTY  
 CALIFORNIA

SHEET  
**2**  
 OF 11  
 JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH

ROAD: PIERCY ROAD

COUNTY FILE NO.: PLN23-009

JOB NO. 21087

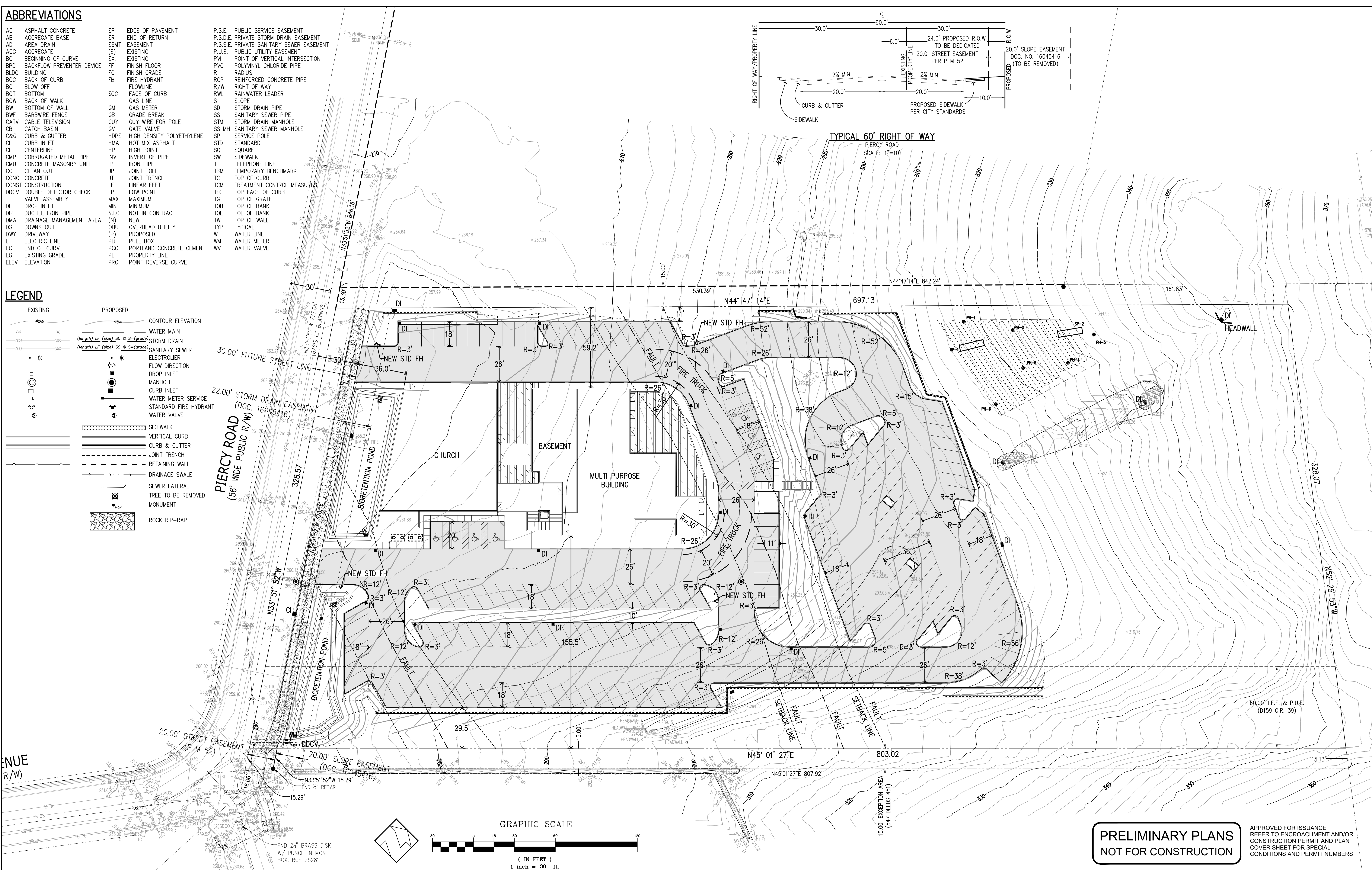
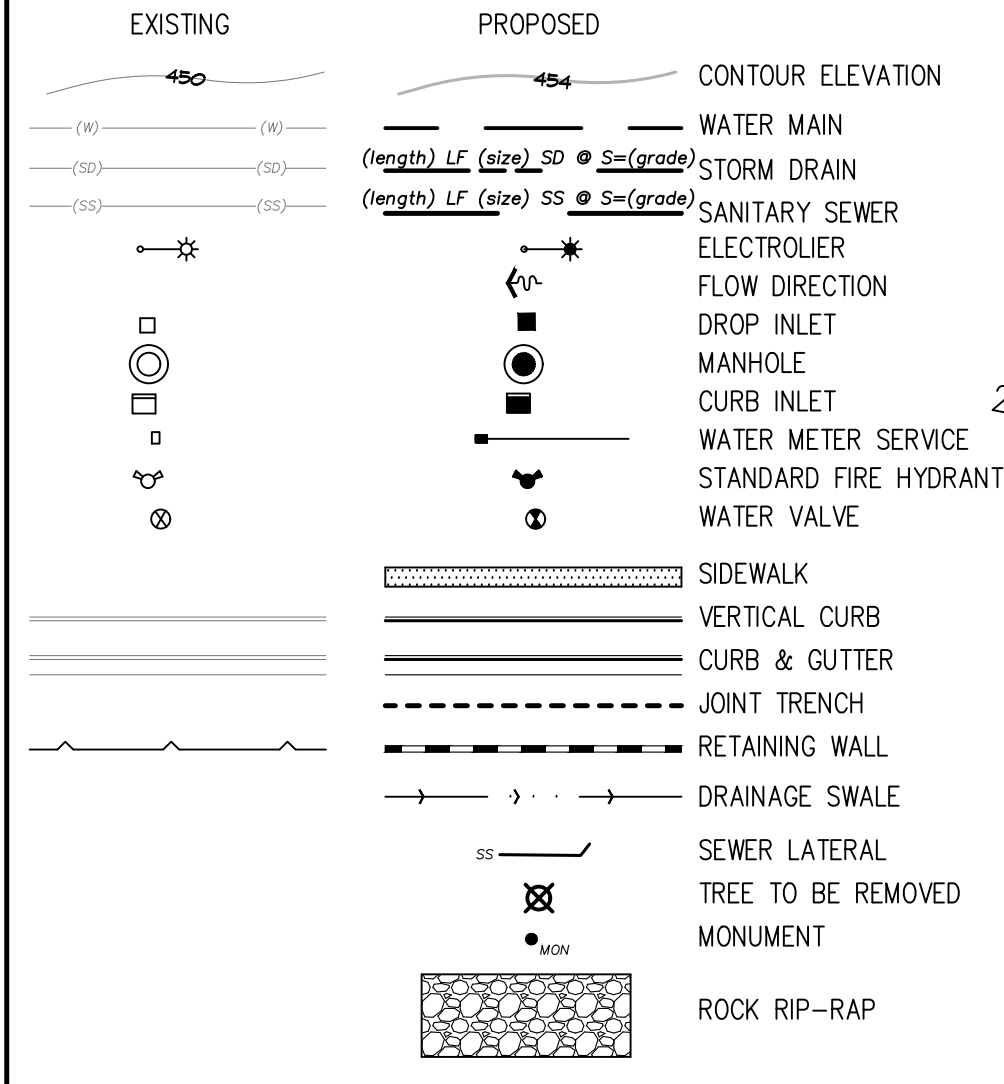


THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.

**ABBREVIATIONS**

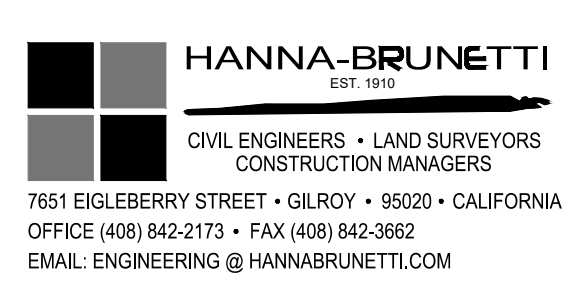
AC ASPHALT CONCRETE	EP EDGE OF PAVEMENT	P.S.E. PUBLIC SERVICE EASEMENT
AB AGGREGATE BASE	ER END OF RETURN	P.S.D.E. PRIVATE STORM DRAIN EASEMENT
AD AREA DRAIN	ESM EASEMENT	P.S.S.E. PRIVATE SANITARY SEWER EASEMENT
AGG AGGREGATE	(E) EXISTING	P.U.E. PUBLIC UTILITY EASEMENT
BC BEGINNING OF CURVE	(X) EXISTING	PVI POINT OF VERTICAL INTERSECTION
BPD BACKFLOW PREVENTER DEVICE	FF FINISH FLOOR	PVC POLYVINYL CHLORIDE PIPE
BLDG BUILDING	FG FINISH GRADE	R RADIUS
BOC BACK OF CURB	FH FIRE HYDRANT	RCP REINFORCED CONCRETE PIPE
BOB BLOW OFF	FL FLOWLINE	R/W RIGHT OF WAY
BOT BOTTOM	FOC FACE OF CURB	RWL RAINWATER LEADER
BOW BACK OF WALK	GL GAS LINE	S SLOPE
BW BOTTOM OF WALL	GM GAS METER	SD STORM DRAIN PIPE
BWF BARB WIRE FENCE	GB GRADE BREAK	SS SANITARY SEWER PIPE
CATV CABLE TELEVISION	GUY GUY WIRE FOR POLE	STM STORM DRAIN MANHOLE
CB CATCH BASIN	GV GATE VALVE	SS MH SANITARY SEWER MANHOLE
C&G CURB & GUTTER	HDPE HIGH DENSITY POLYETHYLENE	SP SERVICE POLE
CI CURB INLET	HMA HOT MIX ASPHALT	STD STANDARD
CL CENTERLINE	HP HIGH POINT	SQ SQUARE
CMP CORRUGATED METAL PIPE	INV INVERT OF PIPE	SW SIDEWALK
CMU CONCRETE MASONRY UNIT	IP IRON PIPE	TEL TELEPHONE LINE
CO CLEAN OUT	JP JOINT POLE	TBM TEMPORARY BENCHMARK
CONC CONCRETE	JT JOINT TRENCH	TC TOP OF CURB
CONST CONSTRUCTION	LF LINEAR FEET	TCM TREATMENT CONTROL MEASURES
DDCV DOUBLE DETECTOR CHECK	LP LOW POINT	TFC TOP FACE OF CURB
DI DUCTILE IRON PIPE	MAX MAXIMUM	TG TOP OF GRATE
DIP DUCTILE IRON PIPE	MIN MINIMUM	TOB TOP OF BANK
DMA DRAINAGE MANAGEMENT AREA	N.I.C. NOT IN CONTRACT	TOE TOP OF BANK
DS DOWNSPOUT	(N) NEW	TW TOP OF WALL
DWY DRIVEWAY	(P) PROPOSED	TYP TYPICAL
E ELECTRIC LINE	PB PULL BOX	W WATER LINE
EC END OF CURVE	PCC PORTLAND CONCRETE CEMENT	WM WATER METER
EG EXISTING GRADE	PL PROPERTY LINE	WV WATER VALVE
ELEV ELEVATION	PRC POINT REVERSE CURVE	

**LEGEND**

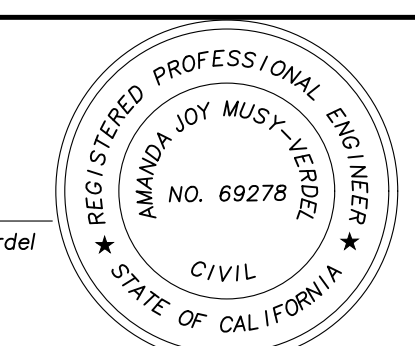
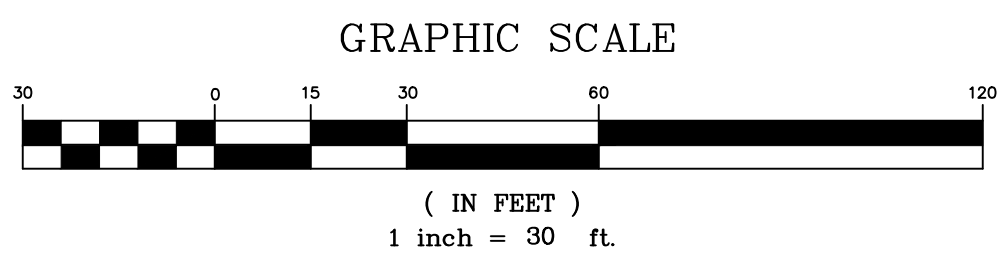


**PLAN #** \_\_\_\_\_ **OF** \_\_\_\_\_ **SHEET**

REVISIONS:		
DATE	DESCRIPTION	BY:



DATE: SEPTEMBER 2023  
 HORIZ. SCALE: 1"=30'  
 VERT. SCALE: NONE  
 DESIGNED BY: AM  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: TM



REFERENCES

UNINCORPORATED  
 SEPTEMBER 2023

**Site Plan**  
 Lands of Southridge Church - Piercy Road - apn 678-13-012

**PRELIMINARY PLANS**  
**NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE  
 REFER TO ENCROACHMENT AND/OR  
 CONSTRUCTION PERMIT AND PLAN  
 COVER SHEET FOR SPECIAL  
 CONDITIONS AND PERMIT NUMBERS

APPLICANT: SOUTHRIDGE CHURCH

ROAD: PIERCY ROAD

COUNTY FILE NO.: PLN23-009

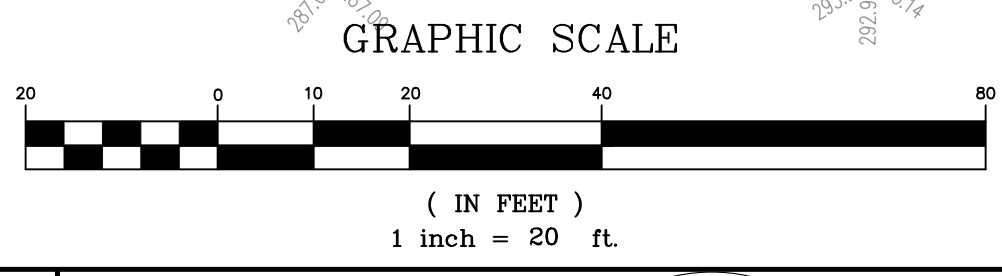
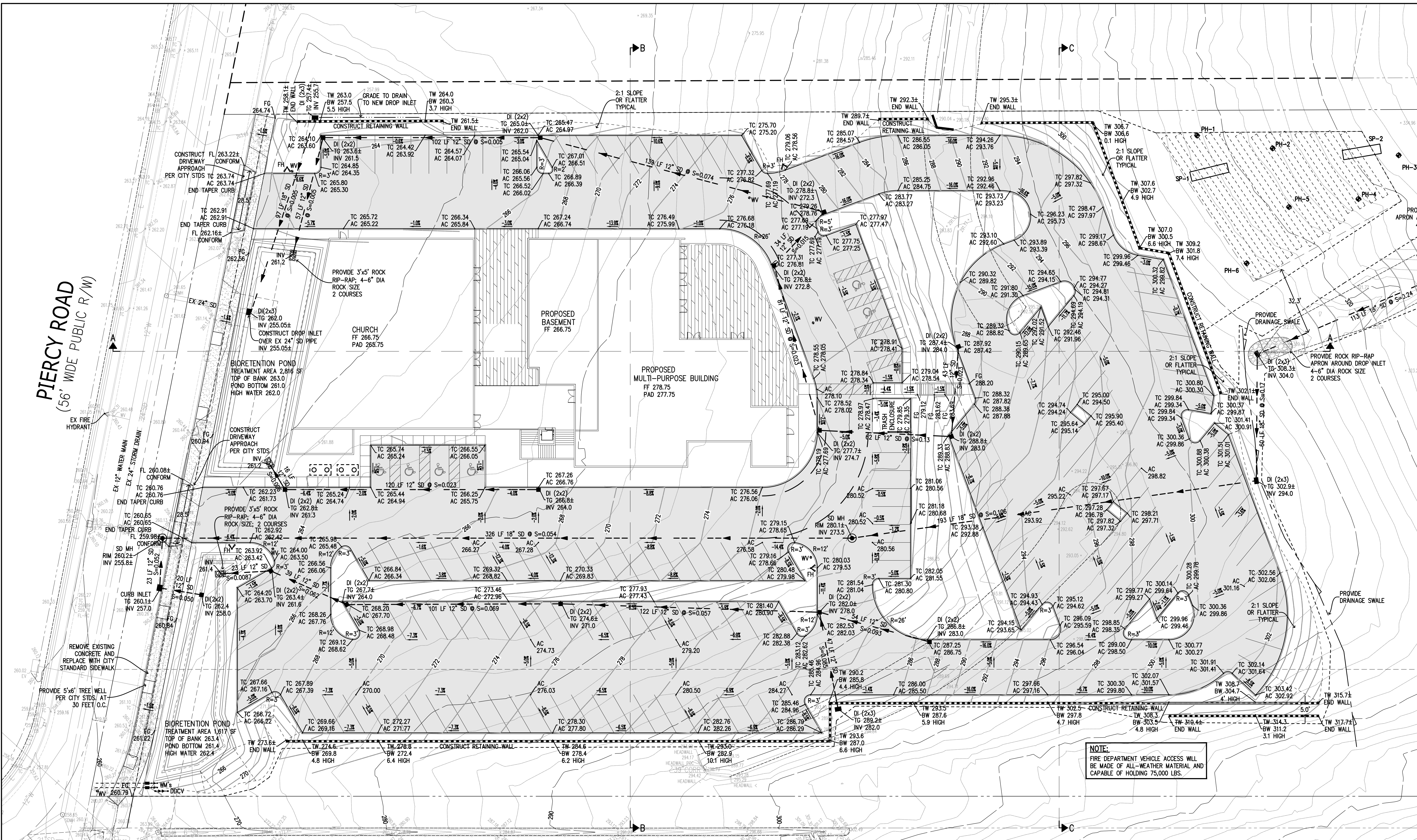
SANTA CLARA COUNTY CALIFORNIA

SHEET  
**3**  
 OF 11  
 JOB NO.  
**21087**



THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

**PIERCY ROAD**  
(56' WIDE PUBLIC R/W)



**PRELIMINARY PLANS**  
NOT FOR CONSTRUCTION

APPROVED FOR ISSUANCE  
REFER TO ENCROACHMENT AND/OR  
CONSTRUCTION PERMIT AND PLAN  
COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERS

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1988  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 GLENNBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERS@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278

REFERENCES

**Preliminary Grading & Drainage Plan**

Lands of Southridge Church - Piercy Road - apn 678-13-012

UNINCORPORATED  
SEPTEMBER 2023

SANTA CLARA COUNTY  
CALIFORNIA

SHEET **4** OF 11  
JOB NO. **21087**

APPLICANT: SOUTHRIDGE CHURCH

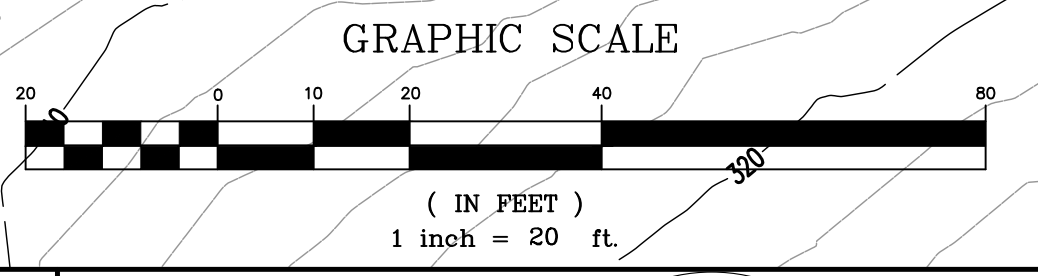
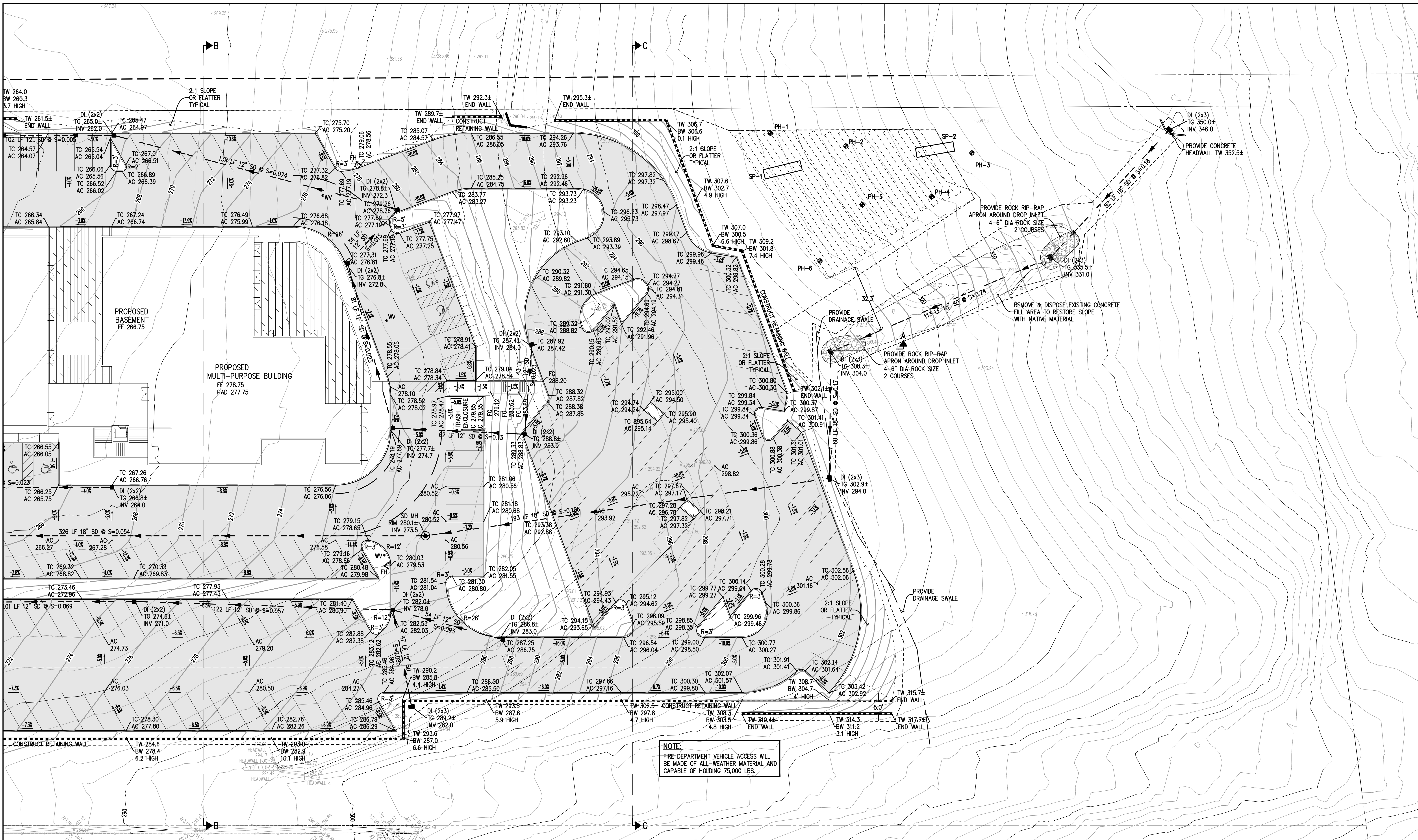
ROAD: PIERCY ROAD

COUNTY FILE NO.: PLN23-009

JOB NO. 21087



THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.



**NOTE:**  
FIRE DEPARTMENT VEHICLE ACCESS WILL BE MADE OF ALL-WEATHER MATERIAL AND CAPABLE OF HOLDING 75,000 LBS.

**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE  
REFER TO ENCROACHMENT AND/OR  
CONSTRUCTION PERMIT AND PLAN  
COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERS

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EAGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278

REFERENCES

**Preliminary Grading & Drainage Plan**  
Lands of Southridge Church - Piercy Road - apn 678-13-012

UNINCORPORATED  
SEPTEMBER 2023

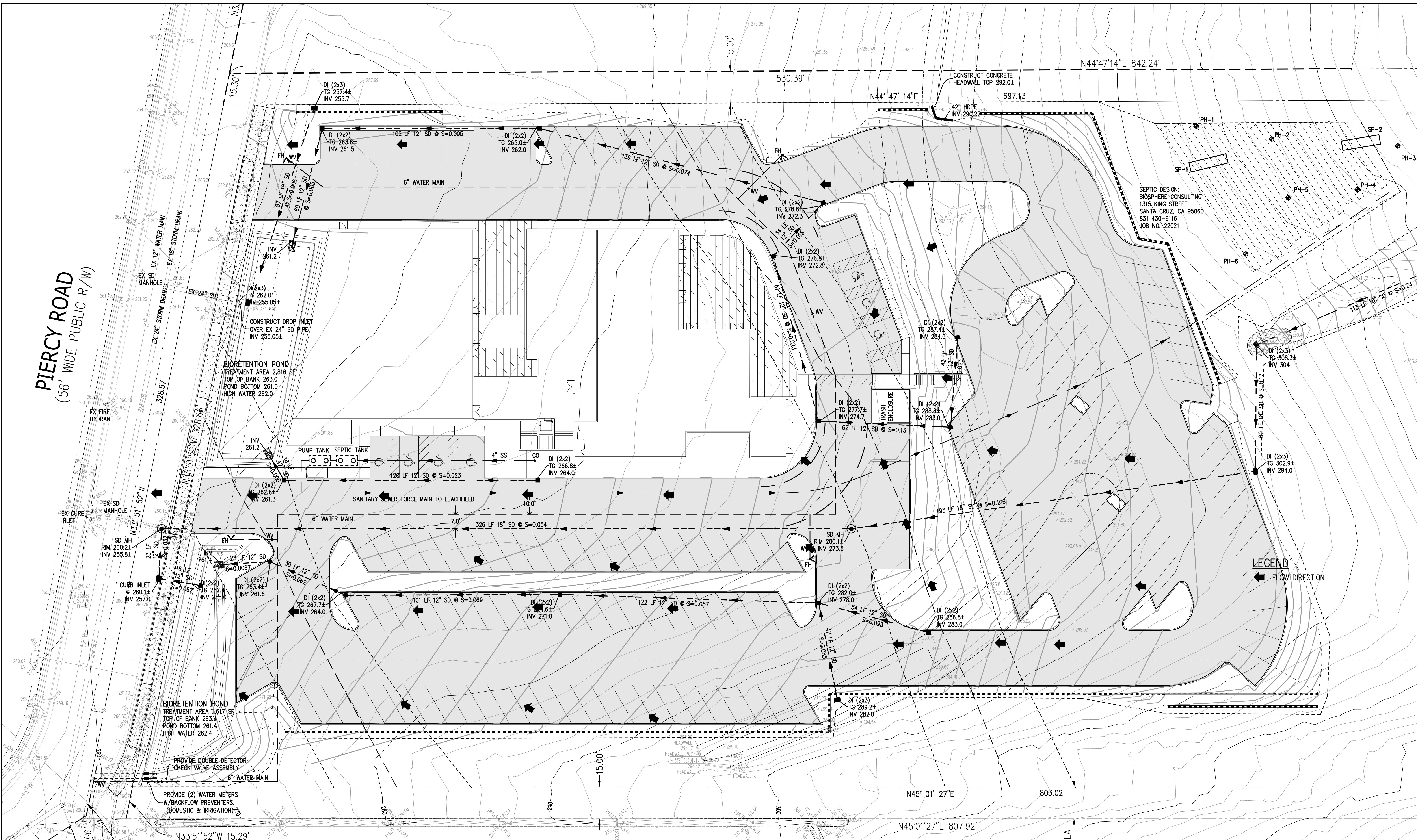
SANTA CLARA COUNTY  
CALIFORNIA

SHEET **5** OF 11  
JOB NO. 21087

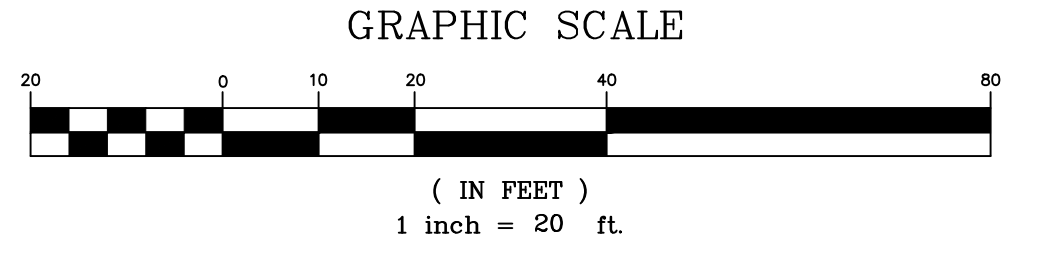


THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

**PIERCY ROAD**  
(56' WIDE PUBLIC R/W)



**LEGEND**  
FLOW DIRECTION



**PRELIMINARY PLANS**  
**NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE  
REFER TO ENCROACHMENT AND/OR  
CONSTRUCTION PERMIT AND PLAN  
COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERS

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1992  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 GILBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

UNINCORPORATED  
SEPTEMBER 2023

**Preliminary Utility Plan**  
Lands of Southridge Church - Piercy Road - apn 678-13-012

SHEET **6** OF 11  
JOB NO. 21087  
SANTA CLARA COUNTY CALIFORNIA

APPLICANT: SOUTHRIDGE CHURCH

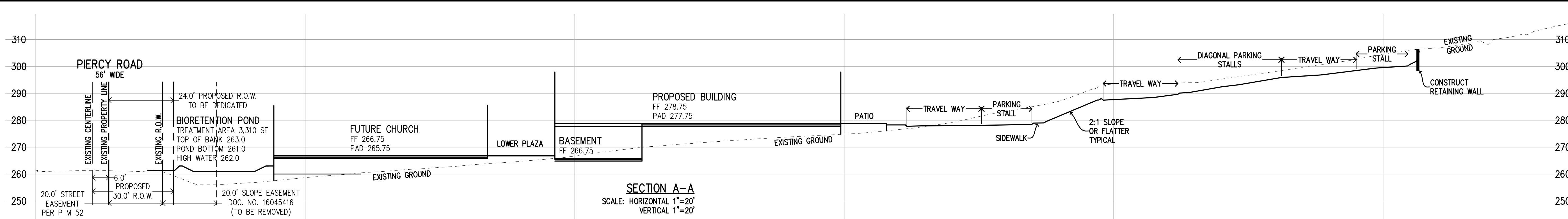
ROAD: PIERCY ROAD

COUNTY FILE NO.: PLN23-009

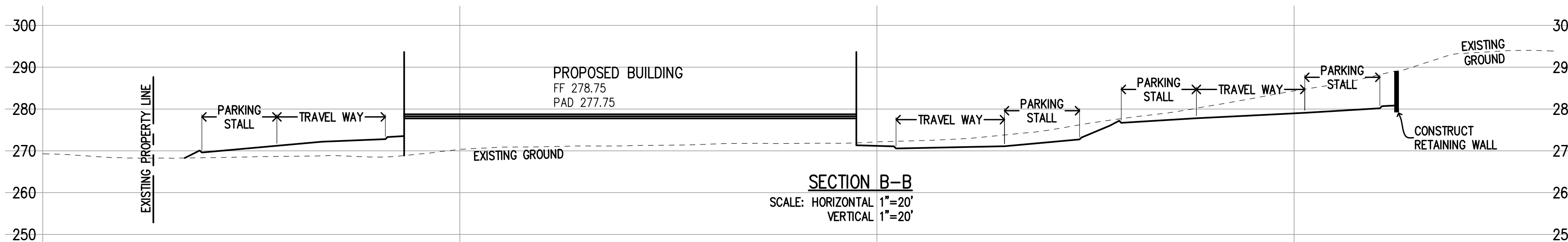
JOB NO. 21087



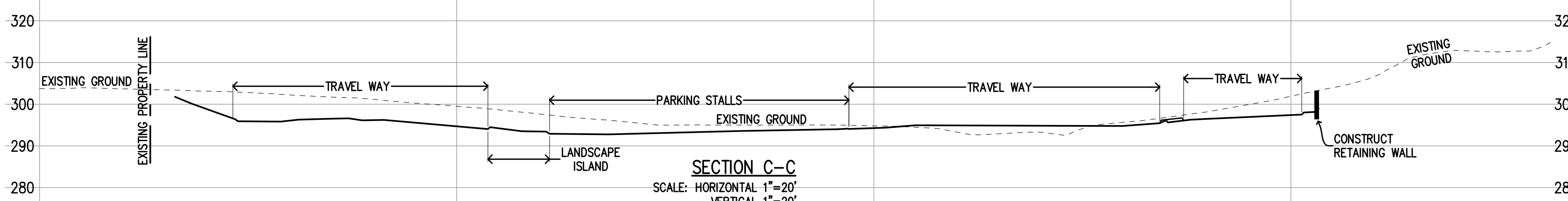
THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR PART, IS PROHIBITED. TITLE TO THESE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.



**SECTION A-A**  
SCALE: HORIZONTAL 1"=20'  
VERTICAL 1"=20'



**SECTION B-B**  
SCALE: HORIZONTAL 1"=20'  
VERTICAL 1"=20'



**SECTION C-C**  
SCALE: HORIZONTAL 1"=20'  
VERTICAL 1"=20'

**PROJECT NOTES:**

- THE LOCATION OF THE BUILDING PADS AND/OR FOUNDATIONS ARE TO BE ESTABLISHED BY A PERSON AUTHORIZED TO PRACTICE LAND SURVEYING. A LETTER SIGNED AND SEALED BY THAT AUTHORIZED PERSON, STATING THAT HE/SHE HAS LOCATED THE BUILDING CORNERS, AND THEIR LOCATIONS CONFORM TO COUNTY BUILDING SETBACK REQUIREMENTS PER THE APPROVED BUILDING PLANS IS REQUIRED TO BE SUBMITTED TO THE COUNTY ENGINEER.
- THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT 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.
- NO TREES ARE TO BE REMOVED.
- PRIOR TO GRADING COMPLETION AND RELEASE OF BOND, ALL GRADED AREAS SHALL BE RESEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADED SLOPES AND REDUCE THE POTENTIAL FOR EROSION ON THE SUBJECT SITE.
- BOTH DRAINFIELDS MUST BE STAKED AND STRUNG PRIOR TO APPROVAL OF THE SEPTIC DESIGN TO VERIFY THAT THE PROPOSED SEPTIC DESIGN WILL ACTUALLY FIT INTO THE PROPOSED LEACHFIELD AREA, AND CONFORM TO ALL REQUIRED SETBACKS.
- IF ARCHAEOLOGICAL RESOURCES OR HUMAN REMAINS ARE DISCOVERED DURING CONSTRUCTION, WORK SHALL BE HALTED WITHIN 50 METERS (150 FEET) OF THE FIND UNTIL IT CAN BE EVALUATED BY A QUALIFIED ARCHAEOLOGIST. IF THE FIND IS DETERMINED TO BE SIGNIFICANT, APPROPRIATE MITIGATION MEASURES SHALL BE FORMULATED AND IMPLEMENTED.
- NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
- ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
- IN THE EVENT THAT ARCHEOLOGICAL FEATURES SHOULD BE DISCOVERED AT ANY TIME DURING THE GRADING, SCRAPING OR EXCAVATION, ALL WORK SHOULD BE HALTED IN THE VICINITY OF THE FIND AND AN ARCHAEOLOGIST SHOULD BE CONTACTED IMMEDIATELY TO EVALUATE THE DISCOVERED MATERIAL TO ASSESS ITS AREAL EXTENT, CONDITION, AND SCIENTIFIC SIGNIFICANCE. IF THE DISCOVERED MATERIAL IS DEEMED POTENTIALLY SIGNIFICANT, A QUALIFIED ARCHAEOLOGIST SHOULD MONITOR ANY SUBSEQUENT ACTIVITY IN THE PROXIMITY.
- IN THE EVENT THAT HUMAN SKELETAL REMAINS ARE ENCOUNTERED, THE APPLICANT IS REQUIRED BY COUNTY ORDINANCE NO. 66-19 TO IMMEDIATELY NOTIFY THE COUNTY CORONER. UPON DETERMINATION BY THE COUNTY CORONER THAT THE REMAINS ARE NATIVE AMERICAN, THE CORONER SHALL CONTACT THE CALIFORNIA NATIVE AMERICAN HERITAGE COMMISSION, PURSUANT TO SUBDIVISION (2) OF SECTION 7050.5 OF THE HEALTH AND SAFETY CODE AND THE COUNTY COORDINATOR OF INDIAN AFFAIRS. NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE COUNTY CHAPTER. IF ARTIFACTS ARE FOUND ON THE SITE A QUALIFIED ARCHAEOLOGIST SHALL BE CONTACTED ALONG WITH THE COUNTY PLANNING OFFICE. NO FURTHER DISTURBANCE OF THE ARTIFACTS MAY BE MADE EXCEPT AS AUTHORIZED BY THE COUNTY PLANNING OFFICE.
- THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
- UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%.
- ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION.
- ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THIS PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO 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.
- AN APPROVED RESIDENTIAL FIRE SPRINKLER SYSTEM COMPLYING WITH FIRE MARSHAL STANDARD CFM0-SP6 IS REQUIRED TO BE INSTALLED THROUGHOUT THE STRUCTURE.
- ALL NEW ON-SITE UTILITIES, MAINS AND SERVICES SHALL BE PLACED UNDERGROUND AND EXTENDED TO SERVE THE PROPOSED RESIDENCE.
- A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND CERTIFIED ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGICAL REPORTS SHALL BE SUBMITTED PRIOR TO GRADING COMPLETION AND RELEASE OF BOND.
- ALL ROOF RUNOFF SHALL BE DIRECTED TO LANDSCAPED OR NATURAL AREAS AWAY FROM BUILDING FOUNDATIONS, TO ALLOW FOR STORM WATER INFILTRATION INTO THE SOIL AND SHEET FLOW.

**NOTE TO CONTRACTOR**

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 THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

**NOTE:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

WHERE THE FIRM OF HANNA & BRUNETTI DOES NOT PROVIDE CONSTRUCTION STAKES, SAID FIRM WILL ASSUME NO RESPONSIBILITY WHATSOEVER FOR IMPROVEMENTS CONSTRUCTED THEREFROM.

**CONTRACTOR TO VERIFY:**

CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION OF BUILDING PAD, THE STRUCTURAL SECTION OF FOUNDATION TO DETERMINE BUILDING PAD ELEVATION.

SEE SOILS REPORT AND/OR STRUCTURAL PLANS TO DETERMINE THE ELEVATION OF THE BUILDING FINISH FLOOR AND PAD.

**Christy "U" Series Catch Basins**

Product Number	A	B	C
U21	2'	2'	4'
U23	2'	2'	6'
U32	2'	3'	6'
U36	2'	4'	5'
U43	3'	3'	6'
U52	3'	4'	6'

Standard grade rings are available in 6" increments up to 4" high. Customer specified top edge choices cast into box or grade ring.

**Christy "U" Series Catch Basins**

Product Number	A	B	C
U21	2'	2'	4'
U23	2'	2'	6'
U32	2'	3'	6'
U36	2'	4'	5'
U43	3'	3'	6'
U52	3'	4'	6'

Standard grade rings are available in 6" increments up to 4" high. Customer specified top edge choices cast into box or grade ring.

**WELDED GRATE No. V12-71W 34 lbs.**

**DRAIN BOX No. V12BOX 177 lbs., 20"**

A high density reinforced concrete box with cast in galvanized frame, specifically engineered for heavy traffic areas. Approximate dimensions and weight shown.

Ordering Code	Item	Approx. Shipping Weight	Description
V12BOX	BOX	177	V12 Drain Box (12" x 12") H/20 Loading, bolt down interchangeable with Brooks #1212 Box - 12 per pallet
V12-71W	GRATE	34	Welded, steel cross bars, H/20 loading, galvanized
V12X12	EXTENSION	120	12" Reinforced concrete - 12 per pallet

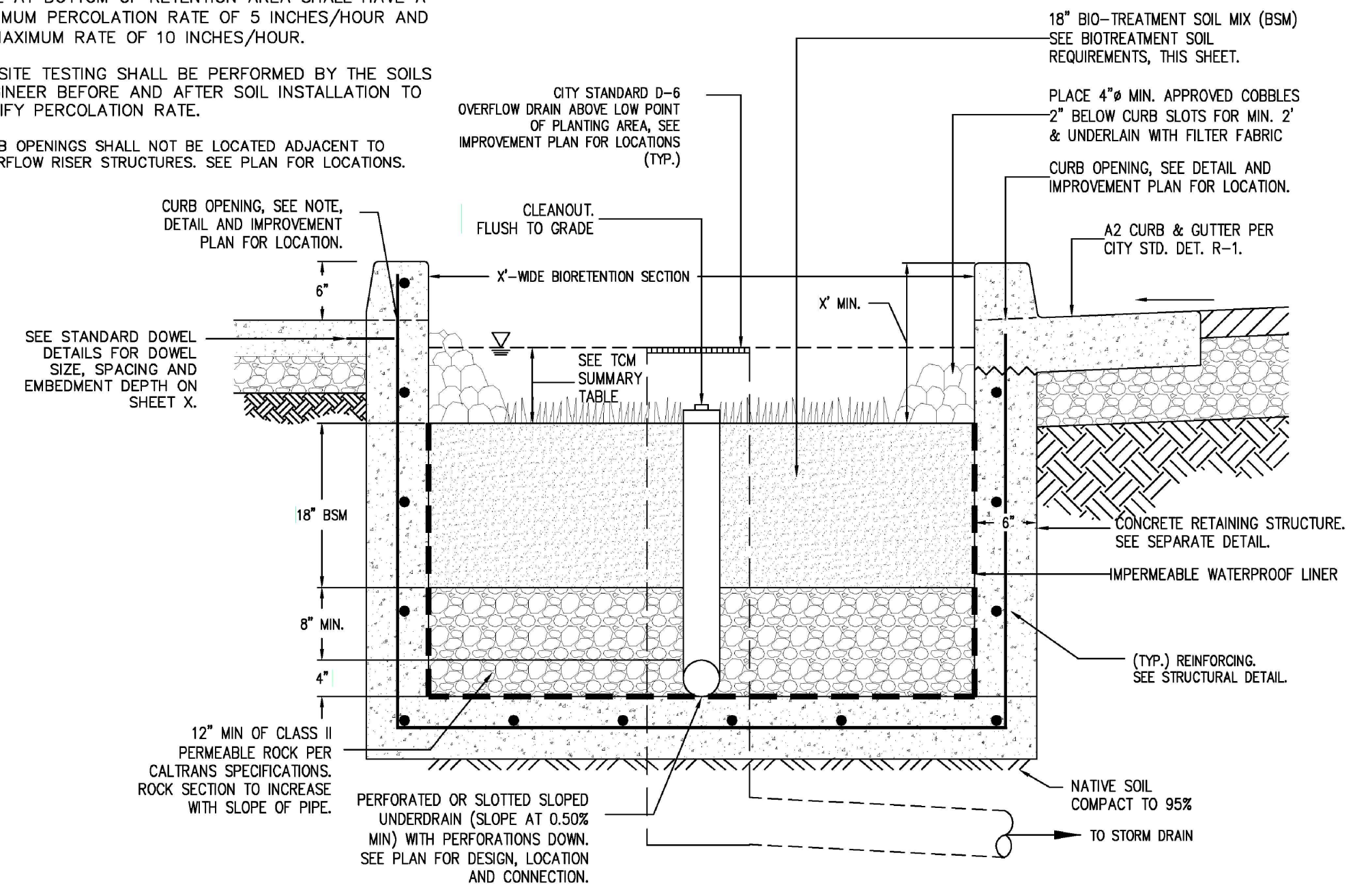
**Oldcastle Precast**  
Enclosure Solutions  
WATER/TRAFFIC/ROCK/SOIL PROTECTION  
Phone: (800) 466-7070 Fax: (800) 466-8804  
www.oldcastleprecast.com

THESE QUANTITIES DO NOT INCLUDE ANY SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION, OR ANY SPECIAL CONDITIONS OR REQUIREMENTS THAT MAY BE SPECIFIED IN THE GEOTECHNICAL INVESTIGATION REPORT. THESE QUANTITIES IN THE AREA FOR PERMIT PURPOSES ONLY. ALL CONTRACTORS BIDDING ON THIS PROJECT SHOULD MAKE THEIR OWN DETERMINATION OF EARTHWORK QUANTITIES PRIOR TO SUBMITTING A BID.

EXCESS MATERIAL SHALL BE OFF-HAULED. IF LOCATION IS WITHIN THE COUNTY A SEPARATED PERMIT SHALL BE REQUIRED.

**NOTES:**

- PLACEMENT OF BIOTREATMENT SOIL MIX SHALL BE CONSTRUCTED UNDER THE OBSERVATION OF THE SOILS ENGINEER.
- SOIL AT BOTTOM OF RETENTION AREA SHALL HAVE A MINIMUM PERCOLATION RATE OF 5 INCHES/HOUR AND A MAXIMUM RATE OF 10 INCHES/HOUR.
- IN-SITE TESTING SHALL BE PERFORMED BY THE SOILS ENGINEER BEFORE AND AFTER SOIL INSTALLATION TO VERIFY PERCOLATION RATE.
- CURB OPENINGS SHALL NOT BE LOCATED ADJACENT TO OVERFLOW RISER STRUCTURES. SEE PLAN FOR LOCATIONS.



**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERS

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA & BRUNETTI**  
EST. 1988  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
HORIZ. SCALE: AS SHOWN  
VERT. SCALE: AS SHOWN  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM.

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278

REFERENCES

UNINCORPORATED  
SEPTEMBER 2023

**Notes, Sections & Details**  
Lands of Southridge Church - Piercy Road - apn 678-13-012

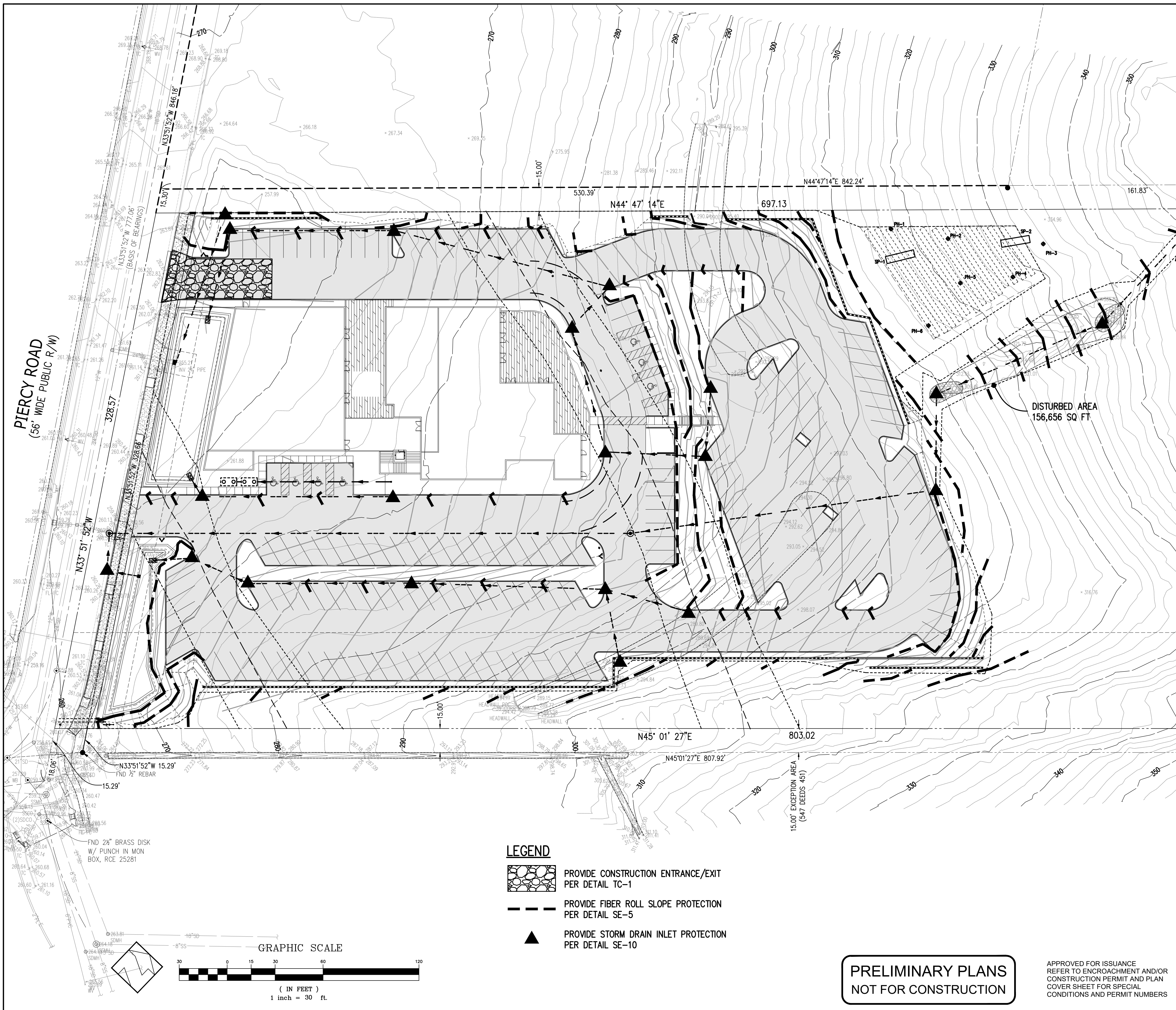
SANTA CLARA COUNTY  
CALIFORNIA

SHEET  
**7**  
OP 11  
JOB NO.  
**21087**



THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET



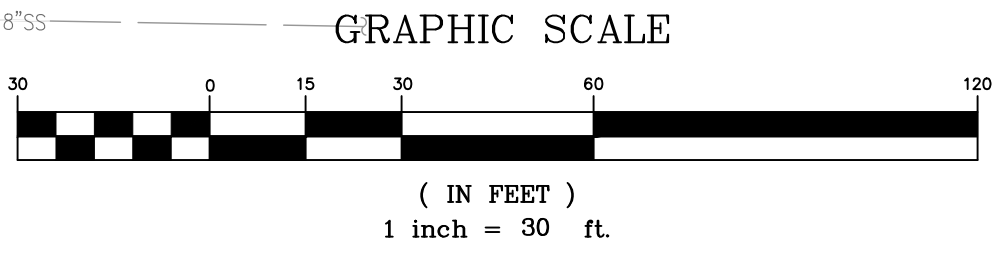
**EROSION CONTROL NOTES**

1. EROSION CONTROL MEASURES SHALL BE EFFECTIVE FOR CONSTRUCTION DURING THE RAINY SEASON; OCTOBER 15 THROUGH APRIL 15.
2. NO STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN INTO THE EXISTING AND/OR PROPOSED UNDERGROUND STORM SYSTEM UNTIL SUITABLE EROSION CONTROL MEASURES ARE FULLY IMPLEMENTED. NO STORM WATER RUNOFF SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM THAT IS NOT CLEAR AND FREE OF SILTS.
3. A FIBER ROLL BARRIER PER "DETAIL SE-5" SHALL BE INSTALLED ALONG THE PERIMETER OF THE PROJECT SITE. THE LOCATION OF THE FIBER ROLL ALONG THE PERIMETER SHALL BE ADJUSTED TO ELIMINATE SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. A FIBER ROLL SHALL ALSO BE REQUIRED AROUND THE PERIMETER OF ANY STOCKPILE OR OTHER SITE OF BARE, LOOSE EARTH.
4. ALL STORM DRAIN MANHOLES, CATCH BASINS, AND/OR DROP INLETS THAT ARE TO ACCEPT STORM WATER SHALL HAVE INLET PROTECTION MEASURES PER DETAIL SE-10. STORM WATER RUNOFF SHALL BE DIRECTED TO THESE INLETS ONLY. STORM DRAIN CATCH BASINS THAT ARE NOT COMPLETE, SHALL BE BLOCKED OFF COMPLETELY.
5. THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN SHALL BE PROVIDED TO THE COUNTY.
6. PRIOR TO GRADING, AN ENTRANCE SHALL BE CONSTRUCTED, CONSISTING OF A MINIMUM OF 50 LF OF DRAIN ROCK, 3" IN DIAMETER, PLACED OVER MIRAFI 500X (OR EQUAL) PER DETAIL TC-1. THE ENTRANCE SHALL CONFORM TO "CONSTRUCTION ENTRANCE DETAIL TC-1". THERE SHALL BE ONLY ONE ENTRANCE/EXIT POINT TO THE SITE DURING THE RAINY SEASON. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS, OR AT A LOCATION APPROVED BY THE COUNTY.
7. ALL AREAS OF BARE, TURNED OR DISTURBED EARTH SHALL BE STABILIZED BY USE OF HYDROSEED PER THE TABLE BELOW. ALL STOCKPILES, AND/OR BORROW AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES SUCH AS A PERIMETER SILT FENCE, AND OTHER METHODS TO PREVENT ANY EROSION OR SILTS MIGRATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE COUNTY INSPECTOR. THE STORM DRAIN SYSTEM SHALL MAINTAIN A FORM OF DRAIN INLET PROTECTION UNTIL COUNTY ACCEPTS THE FINAL STREET IMPROVEMENTS. THE DRAIN INLET PROTECTION SHALL BE MAINTAINED, EFFECTIVE AND SUBJECT TO COUNTY INSPECTOR'S APPROVAL.
8. ALL PAVED STREET, AND AREAS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO ELIMINATE SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH DAY DURING THE RAINY SEASON. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY END OF THE DAY. TRAPPED SEDIMENT IN "SD INLETS" (AND OTHER EROSION CONTROL MEASURES) SHALL BE REMOVED TO MAINTAIN TRAP EFFICIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM A FAILURE TO DO SO.
11. ALL DRAIN SWALES SHALL BE PER DETAIL EC-9.
12. INCOMPLETE GRADING SHALL NOT BE ALLOWED. CONTRACTOR SHALL MAINTAIN A DRAIN PATH AS SHOWN ON THIS PLAN. SAID DRAIN PATH SHALL BE MAINTAINED LINED DRAIN SWALES, AND INLET PROTECTION AT A MINIMUM. IF PONDING DOES OCCUR ON THE SITE AFTER GRADING, THE WATER MUST BE FREE AND CLEAR OF SEDIMENT PRIOR TO DISCHARGE TO THE STORM DRAIN SYSTEM. THIS REQUIREMENT MAY NECESSITATE THE USE OF NATURAL AND/OR MECHANICAL DESILTING METHODS, SUBJECT TO APPROVAL BY THE COUNTY INSPECTOR.
13. IF THESE EROSION CONTROL MEASURE PROVE INADEQUATE, STRAW MULCH, TACKIFIER, AND ADDITIONAL HYDROSEEDING MAY BE REQUIRED.

HYDROSEED TABLE	
ITEM	LBS/ACRE
COMMON BARLEY	45
ANNUAL RYEGRASS	45
FERTILIZER-2-3	10
FERTILIZER-7-2-3	400
FIBER MULCH	2000
TACKIFIER	100

14. ALL GRADING WORK BETWEEN OCTOBER 15th AND APRIL 15th IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.
15. PROVIDE SHRUBS AND/OR TREES REQUIRED ON SLOPES GREATER THAN 15 FEET IN VERTICAL HEIGHT.
16. THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL INSTALL AND MAINTAIN THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL WITHIN THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, WASTE MATERIALS, AND SEDIMENT CAUSED BY EROSION FROM CONSTRUCTION ACTIVITIES ENTERING THE STORM DRAIN SYSTEM, WATERWAYS, AND ROADWAY INFRASTRUCTURE. BMP'S SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING PRACTICES APPLICABLE TO THE PUBLIC ROAD AND EXPRESSWAY FACILITIES:
  - A) REDUCTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN/STAGING AREAS.
  - B) PREVENTION OF TRACKING OF MUD, DIRT AND CONSTRUCTION MATERIALS ONTO PUBLIC ROAD RIGHT OF WAY.
  - C) PREVENTION OF DISCHARGE OF WATER RUNOFF DURING DRY AND WET WEATHER CONDITIONS ONTO PUBLIC ROAD RIGHT OF WAY.
17. THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY SHALL HAVE SEASONALLY APPROPRIATE BMP'S INSTALLED AND MAINTAINED AT ALL TIMES.

- LEGEND**
- PROVIDE CONSTRUCTION ENTRANCE/EXIT PER DETAIL TC-1
  - PROVIDE FIBER ROLL SLOPE PROTECTION PER DETAIL SE-5
  - PROVIDE STORM DRAIN INLET PROTECTION PER DETAIL SE-10



**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

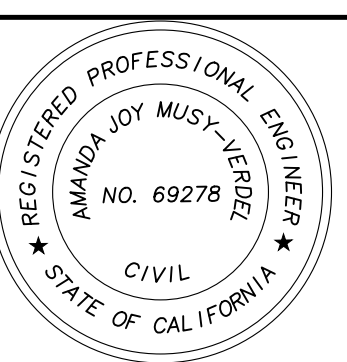
APPROVED FOR ISSUANCE  
REFER TO ENCROACHMENT AND/OR  
CONSTRUCTION PERMIT AND PLAN  
COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERS

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
HORIZ. SCALE: 1"=30'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

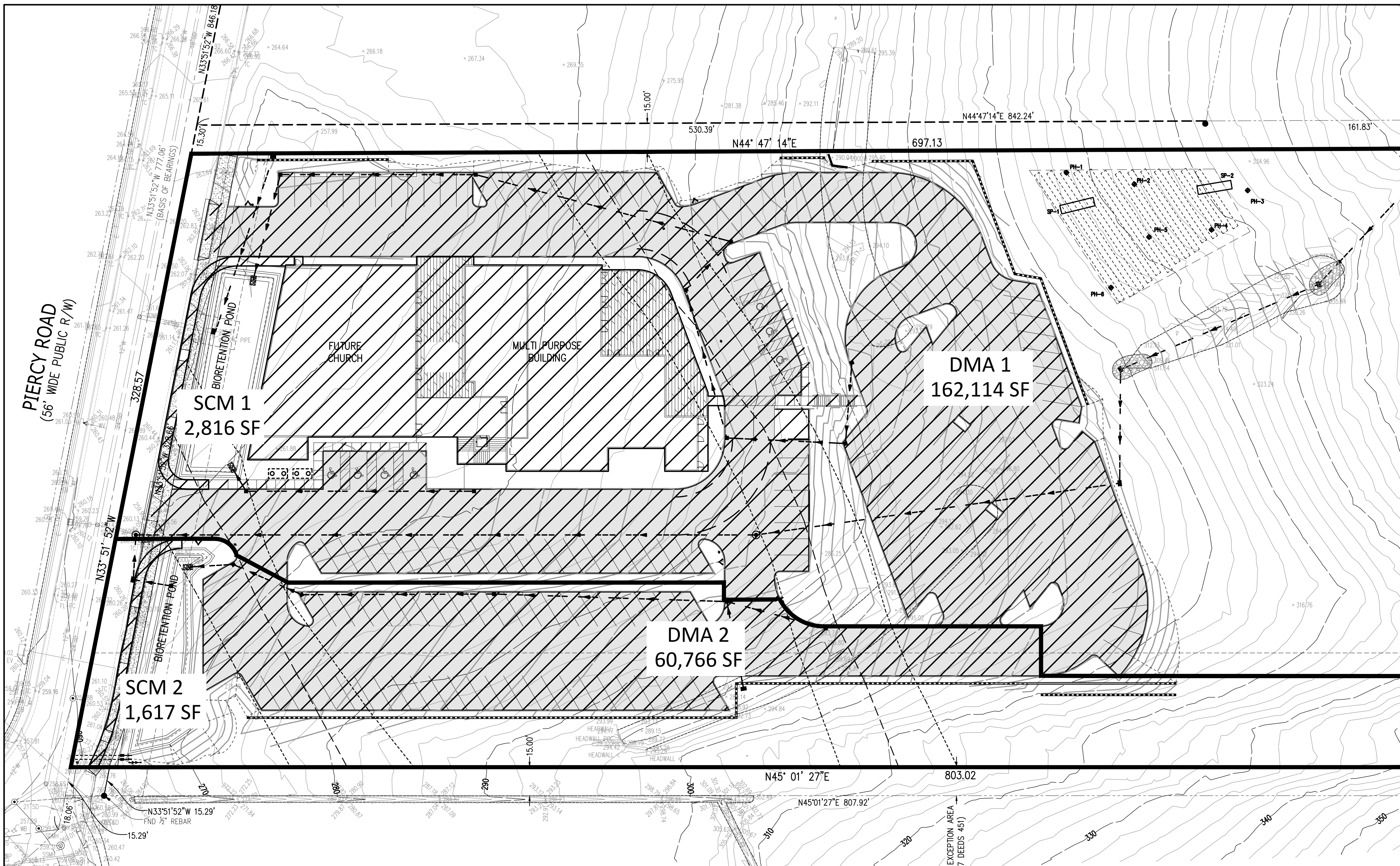
UNINCORPORATED  
SEPTEMBER 2023

**Erosion Control Plan**  
Lands of Southridge Church - Piercy Road - apn 678-13-012

SHEET  
**8**  
OF 11  
JOB NO. 21087



THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

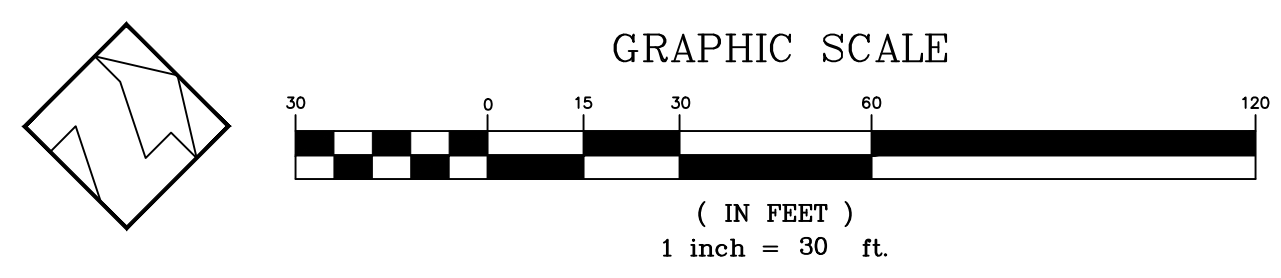


**PIERCY ROAD**  
(56' WIDE PUBLIC R/W)

**LEGEND**

IMPERVIOUS AREA

DRAINAGE MANAGEMENT AREA DELINEATION



**NOTES FOR THE DESIGNER**

- ADDITIONAL DESIGN GUIDANCE PROVIDED IN BIORETENTION TECHNICAL SPECIFICATIONS DOCUMENT.
- CAPTURE AND CONVEY OVERFLOW TO STORM DRAIN SYSTEM, DETAIL 140 OR BROOKS STYLE GRATED CURB VALVE BOX OR CATCH BASIN. ALTERNATIVELY, CONVEY OVERFLOW TO APPROVED DISCHARGE LOCATION THROUGH OTHER OVERLAND METHODS (I.E. CURB CUTS, SIDEWALK UNDERDRAIN, WEIR, ETC.).
- PROVIDE SPOT ELEVATIONS AT INLETS ON CIVIL PLANS (F.E.O.E, GIE, SIE), PER DETAIL 120.
- SITE CONDITIONS WILL VARY FOR NEW AND RETROFIT PROJECTS. CURB, CUTTER, AND SIDEWALK DETAILS TO BE MODIFIED FOR PROJECT BY CIVIL AND GEOTECHNICAL ENGINEERS.
- PROVIDE CAPPED, THREADED PVC CLEANOUT FOR UNDERDRAIN, 4" MIN. DIA. WITH SWEEP BEND.
- PROVIDE MONITORING WELL IN EACH FACILITY, PER BIORETENTION TECHNICAL SPECIFICATIONS.
- ON LONGITUDINAL SLOPE, USE CHECK DAMS (DETAILS 130-131)
- DEPTH OF AGGREGATE DETERMINED BY FACILITY SIZING. IF CALTRANS CLASS 2 PERMEABLE IS NOT AVAILABLE, SUBSTITUTE CLASS 3 PERMEABLE WITH AN OVERLYING 3" DEEP CHOKING LAYER OF EITHER CALTRANS COURSE AGGREGATE 1/2" (NO. 4) OR 3/4" X (NO.4) OPEN-GRADED AGGREGATE.
- BIORETENTION SOIL MEDIA (BSM) SPECIFICATION PER BIORETENTION TECHNICAL SPECIFICATIONS.
- PLANT SELECTION PER BIORETENTION TECHNICAL SPECIFICATIONS.
- MULCH PER BIORETENTION TECHNICAL SPECIFICATIONS.
- LOCATE ENERGY DISSIPATION AS SPECIFIED IN INLET DETAILS, (120-123) - AVOID DECORATIVE USE.

**CONSTRUCTION NOTES**

- MAINTAIN UNDISTURBED NATIVE SOIL BENCH TO SUPPORT ADJACENT SIDEWALK/ROAD. SEQUENCE WORK TO CONSTRUCT CURBS BEFORE EXCAVATING BIORETENTION AREA FOR AGGREGATE AND SOIL.
- SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
- FACILITY EXCAVATION TO ALLOW FOR SPECIFIED AGGREGATE, SOIL, AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
- INSTALL UNDERDRAIN WITH HOLES FACING DOWN. TOP OF UNDERDRAIN 6" BELOW TOP OF AGGREGATE LAYER. UNDERDRAIN SLOPE MAY BE FLAT.
- COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, LET DRY OVERNIGHT BEFORE PLANTING.
- DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
- KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.

**LOW IMPACT DEVELOPMENT STORMWATER MANAGEMENT STANDARD DETAILS**

detail number: 203

Street Bioretention Facility  
(sloped sided, with on-street parking, sidewalk, with underdrain)

Municipality: Department Name

**PERVIOUS AND IMPERVIOUS SURFACES COMPARISON TABLE**

a. Total Site (acres):	5.84 ac	b. Total Area of Site Disturbed (acres):	3.49 ac
Existing Area (square feet)	Replaced <sup>1</sup>	Proposed Area (square feet)	
		New <sup>2</sup>	
<b>Impervious Area</b>			
Roof (not Green Roof)	0	0	22,406
Parking	0	0	80,644
Sidewalks & Streets	0	0	1,529
Other (e.g. tennis court)	0	0	0
c. Total Impervious Area	0	0	104,579
<b>d. Total new and replaced impervious area</b>			
<b>Pervious Area</b>			
Landscaping	254,390	0	149,811
Pervious Paving	0	0	0
Other (e.g. green roof)	0	0	0
e. Total Pervious Area	254,390	0	149,811
<b>f. Percent of Replacement of Impervious Area in redevelopment projects (Replaced Total Impervious Area / Existing Total Impervious Area x 100%):</b>			
			0 %

**STORMWATER TREATMENT AREA TABLE**

DMA ID	DESCRIPTION OF AREA	TOTAL AREA (SF)	PERVIOUS AREA (SF)	NEW IMPERVIOUS AREA(SF)	TREATMENT METHOD (SCM)	TREATMENT AREA REQUIRED (SF)	TREATMENT AREA PROVIDED (SF)
DMA 1	ROOF, PARKING, LANDSCAPE	182,114	99,682	82,432	BIORETENTION POND	3,298	2,816
DMA 2	PARKING, LANDSCAPE	60,766	39,242	22,147	BIORETENTION POND	886	1,617

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

**REVISIONS:**

DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1988  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: SEPTEMBER 2023  
HORIZ. SCALE: 1"=30'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



**REFERENCES**

UNINCORPORATED  
SEPTEMBER 2023

**Stormwater Control Plan**  
Lands of Southridge Church - Piercy Road - apn 678-13-012

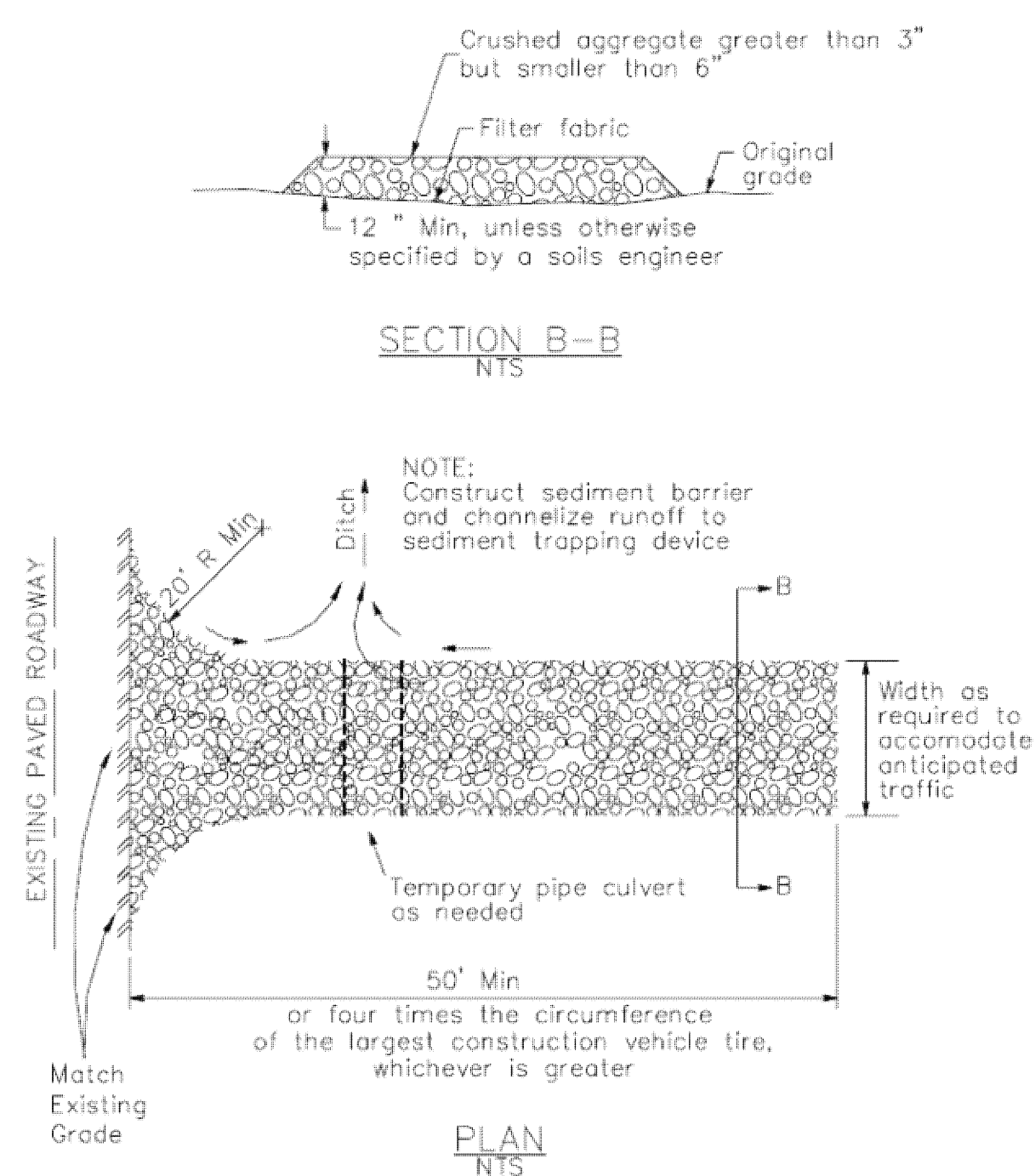
SANTA CLARA COUNTY  
CALIFORNIA

SHEET  
**9**  
OF 11  
JOB NO. 21087



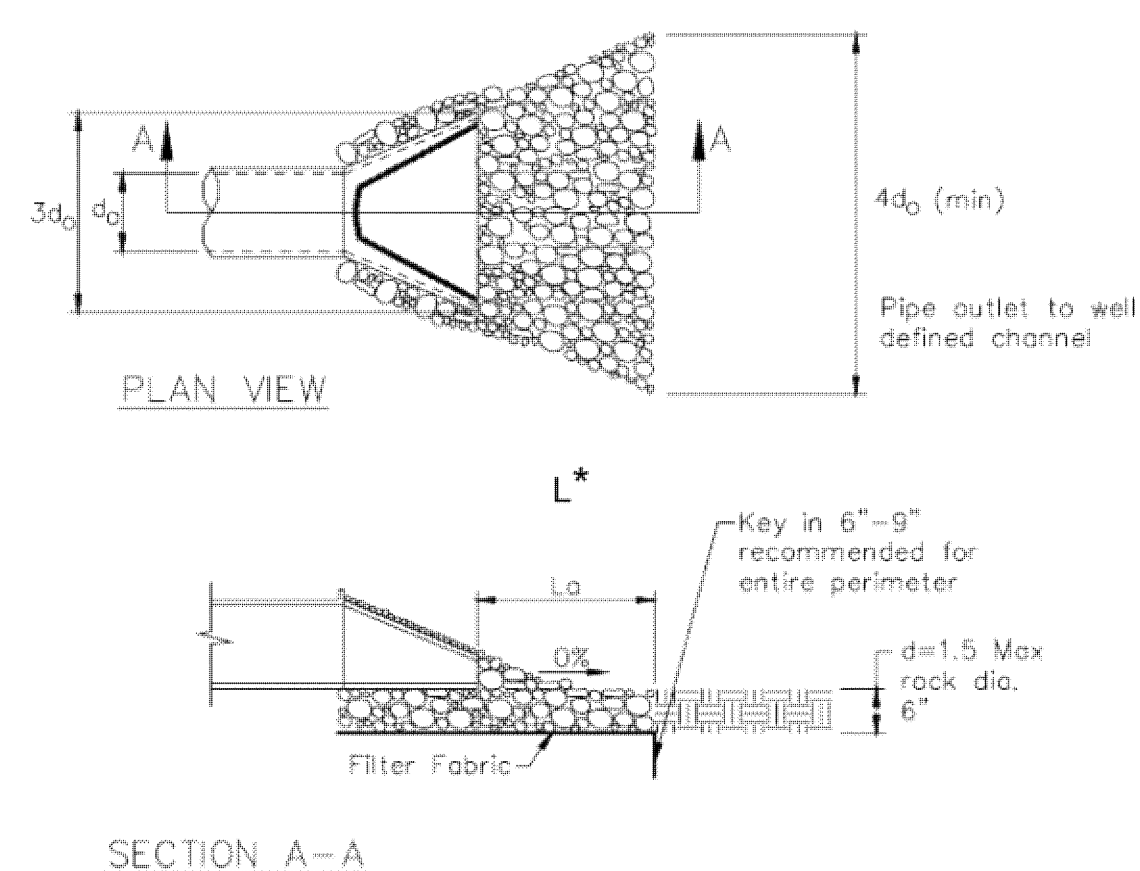
### 3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



### 4 Velocity Dissipation Devices

CASQA Detail EC-10

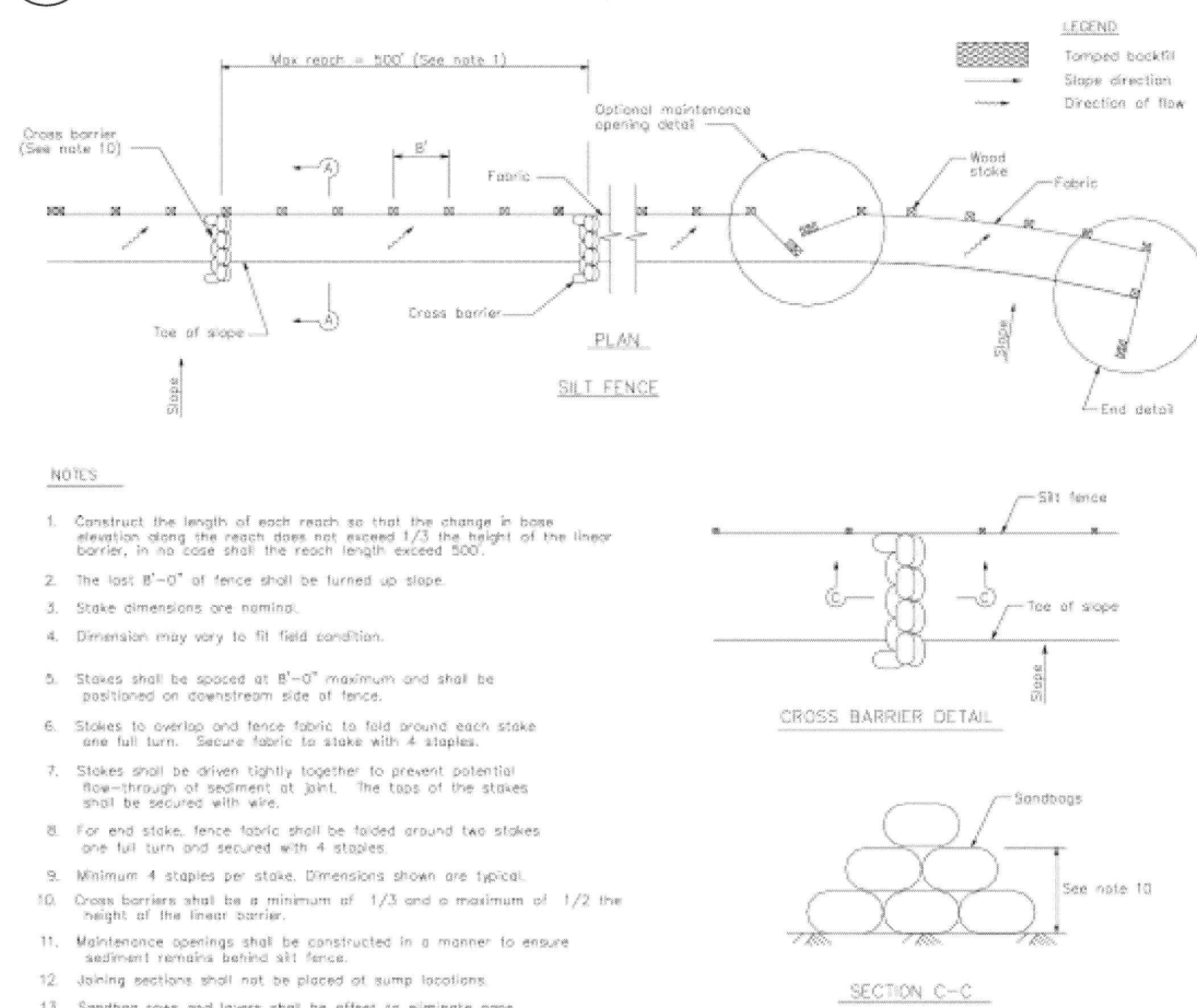


\* Length per ABAG Design Standards

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

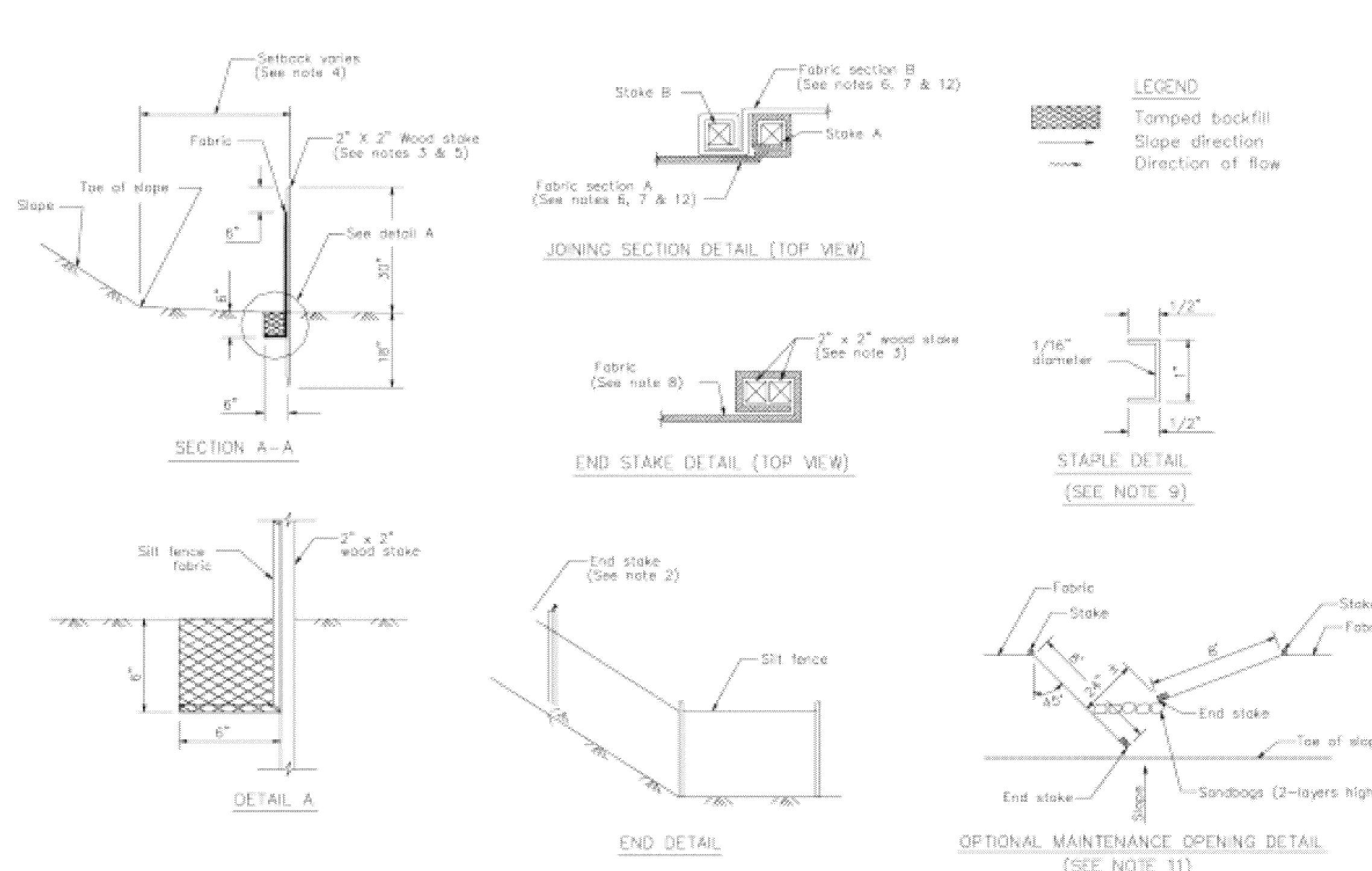
### 1 Silt Fence

CASQA Detail SE-1



### 2 Silt Fence

CASQA Detail SE-1



#### STANDARD BEST MANAGEMENT PRACTICE NOTES

- 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 latest.
- Hazardous Waste Management:** 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.
- 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.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site 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.
- 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.
- 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.
- Pavement Construction Management:** 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 latest.
- 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 latest.
- 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

- Sediment Control Management:**
  - Tracking Prevention & Clean Up:** 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 rolls 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.
  - Dust Control:** 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, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
- Erosion Control:** 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.
- Inspection & Maintenance:** 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.
- 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.
- 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.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

Project Information

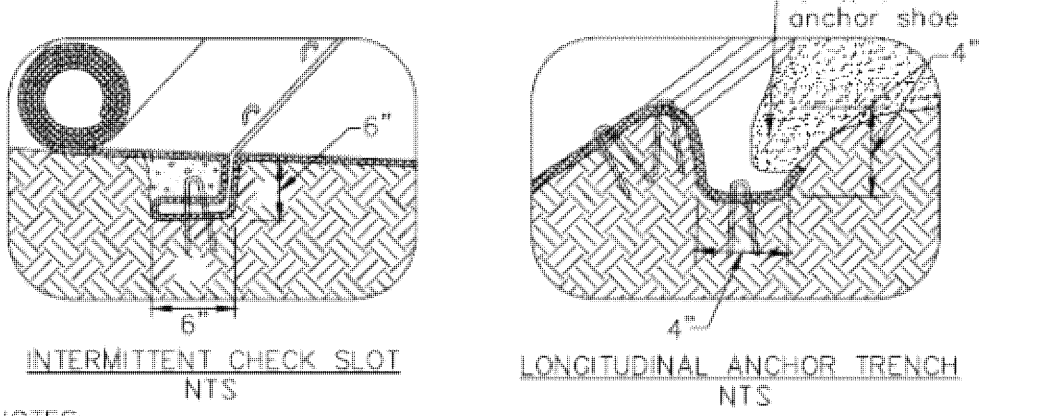
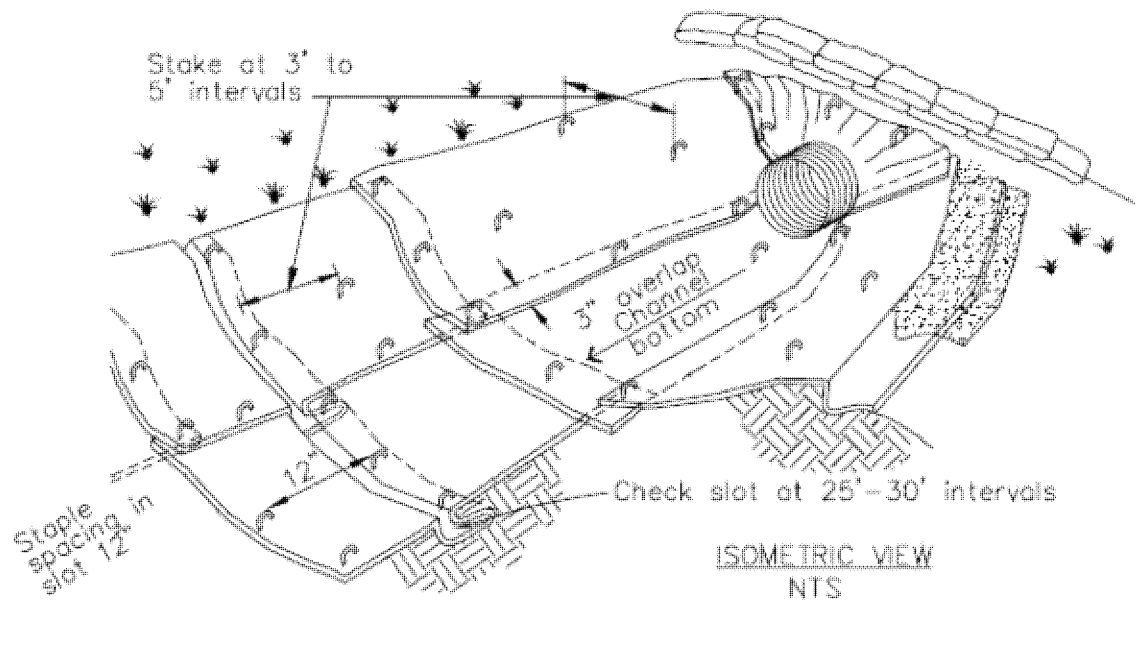
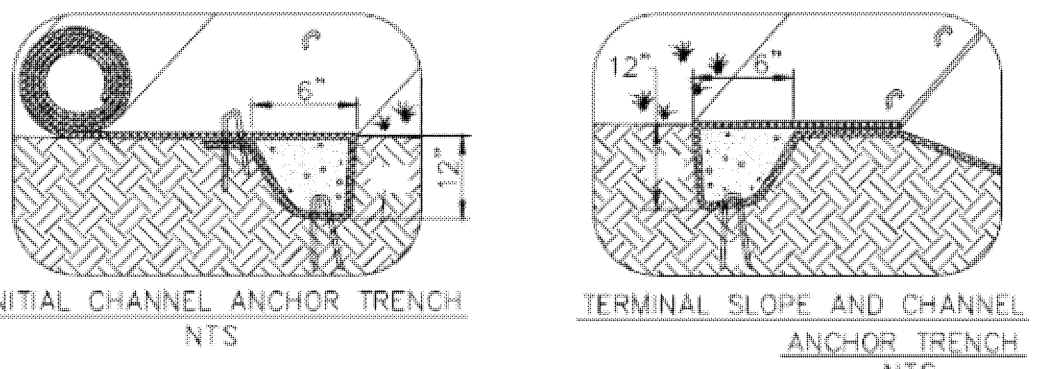




7

### Geotextiles and Mats

CASQA Detail EC-7



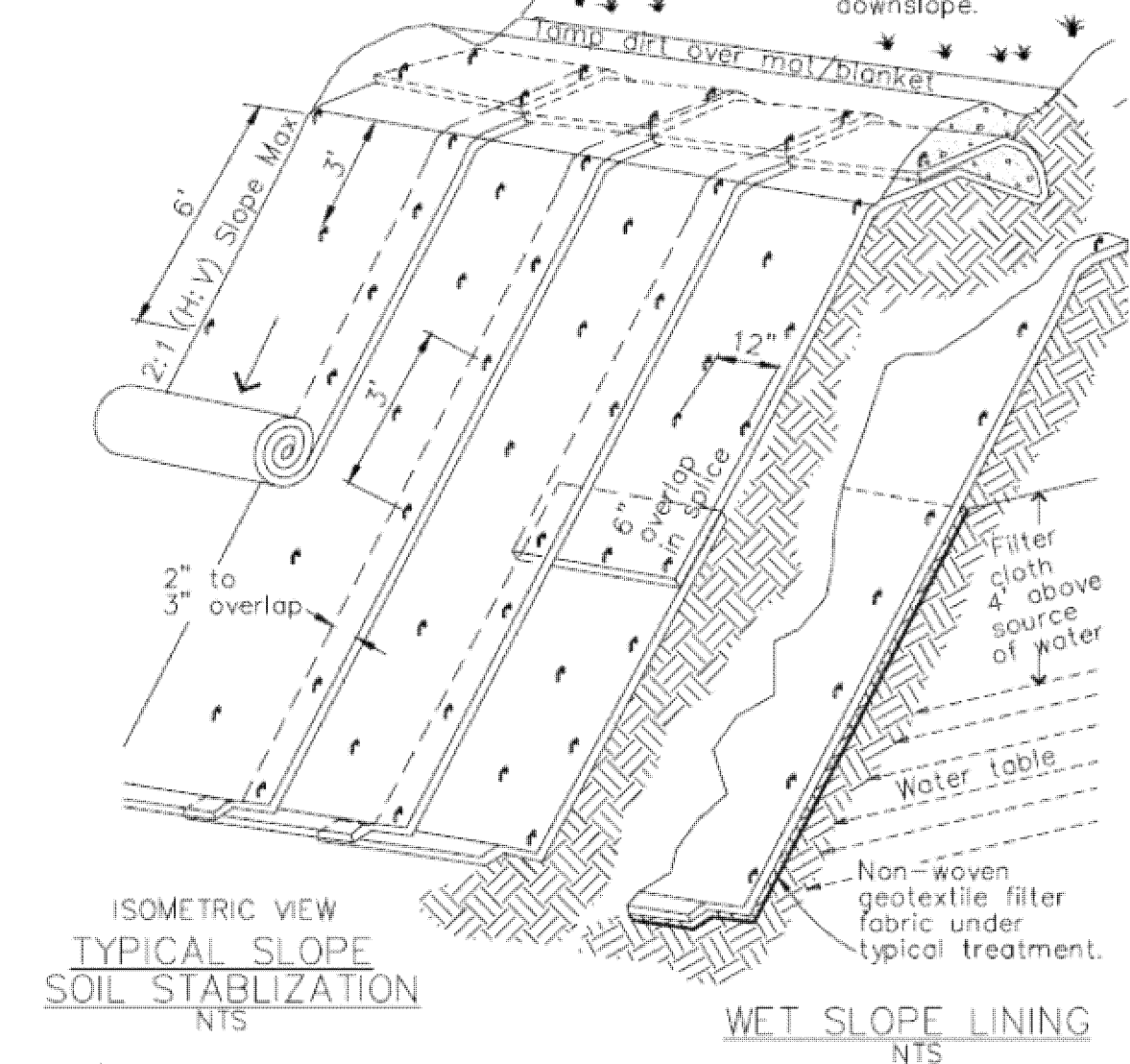
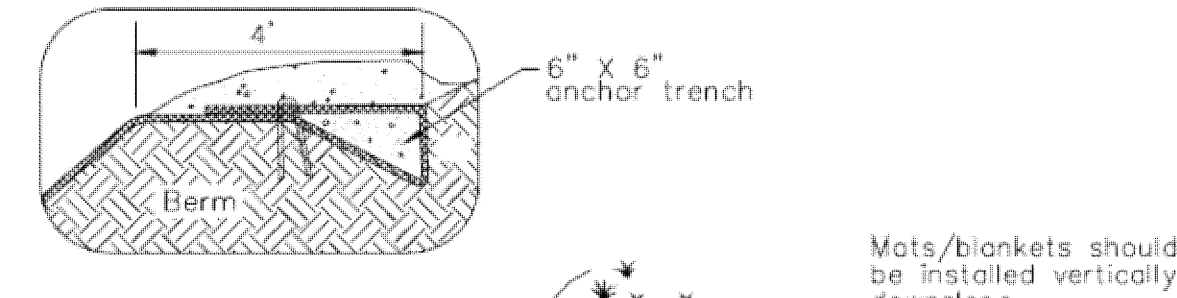
- NOTES:
1. Check slots to be constructed per manufacturer's specifications.
  2. Staking or stapling layout per manufacturer's specifications.
  3. Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

5

### Geotextiles and Mats

CASQA Detail EC-7



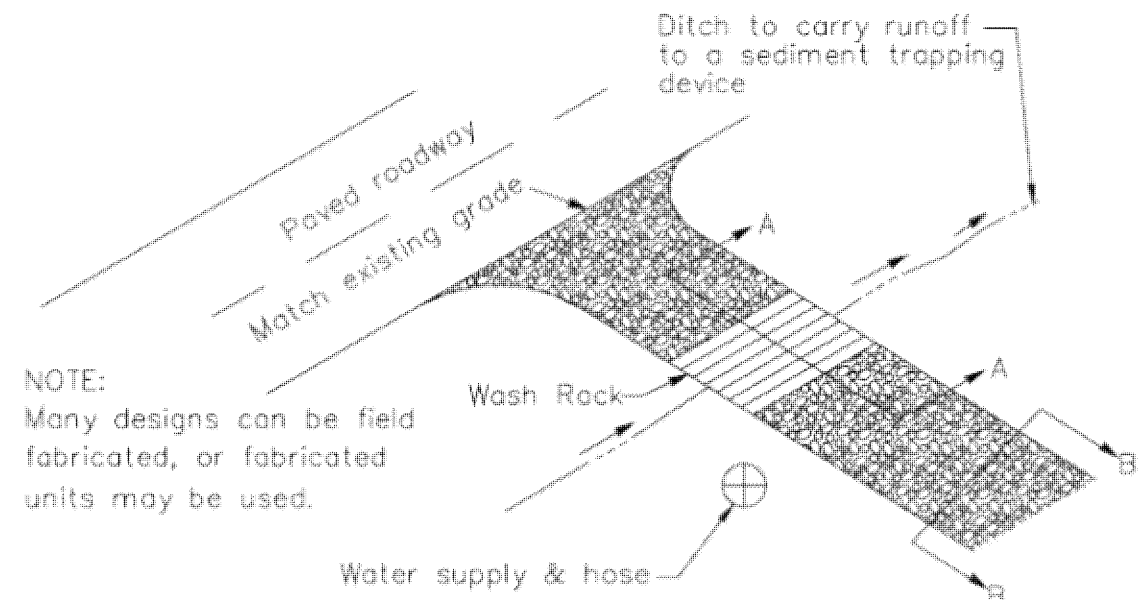
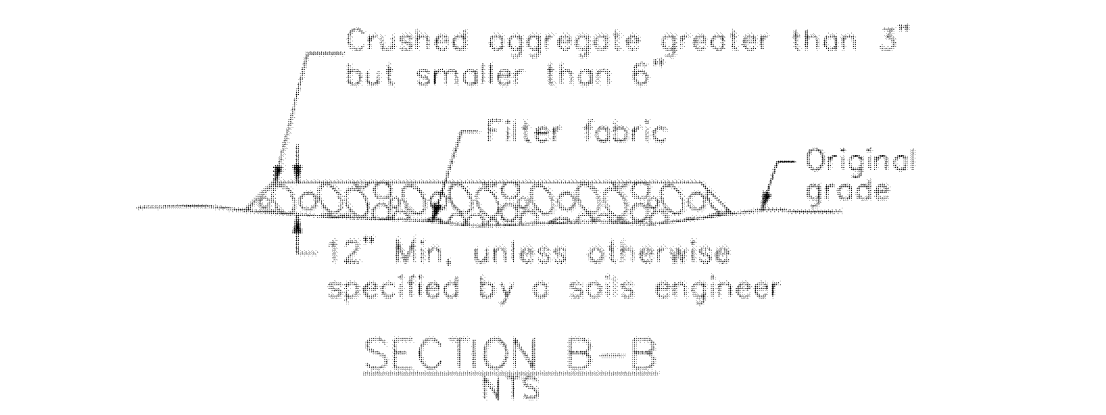
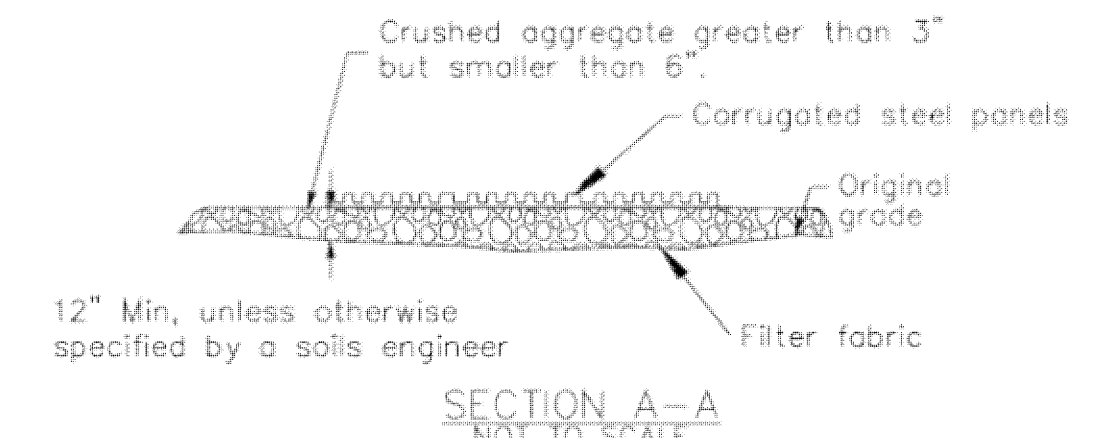
- NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
  2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
  3. Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

3

### Entrance/Outlet Tire Wash

CASQA Detail TC-3



NOTE:

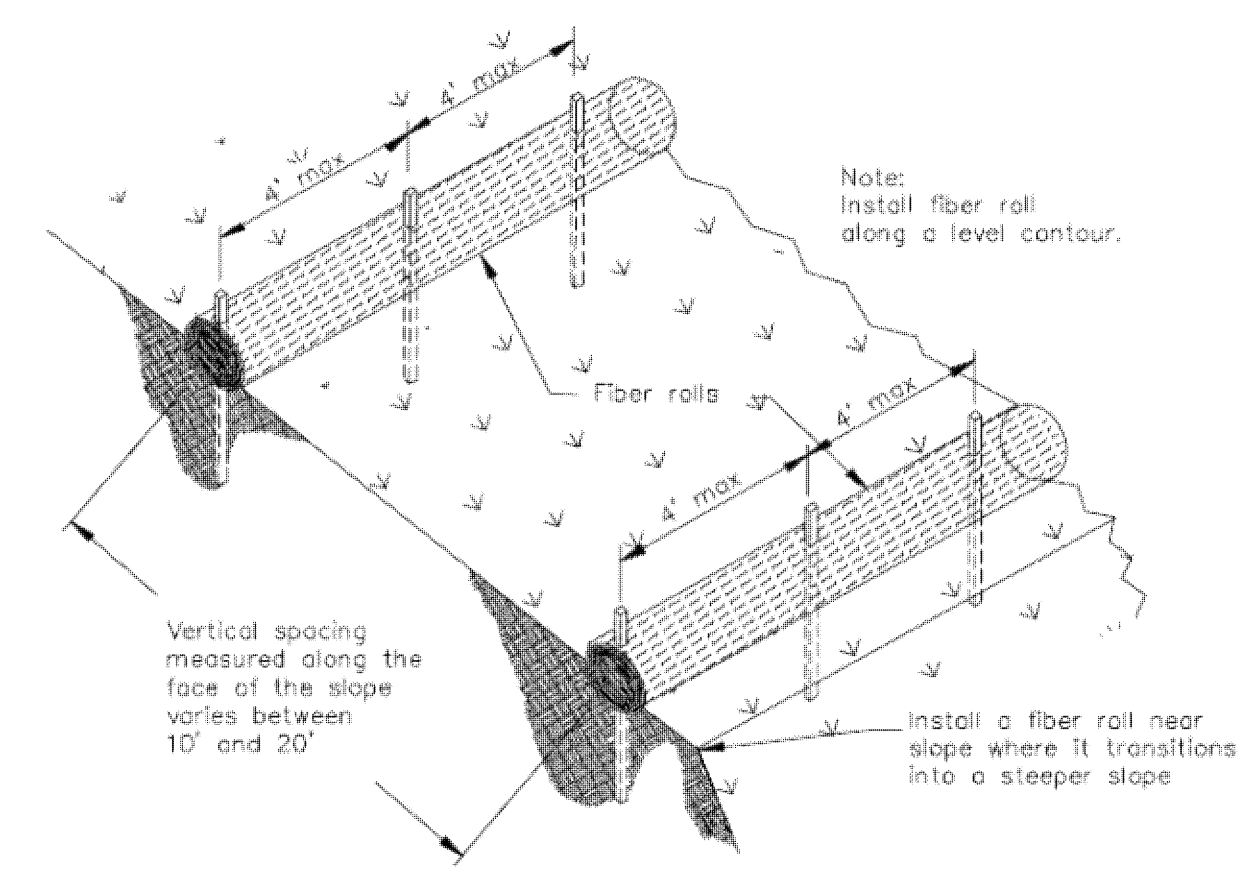
Many designs can be field fabricated, or fabricated units may be used.

TYPICAL TIRE WASH NOT TO SCALE

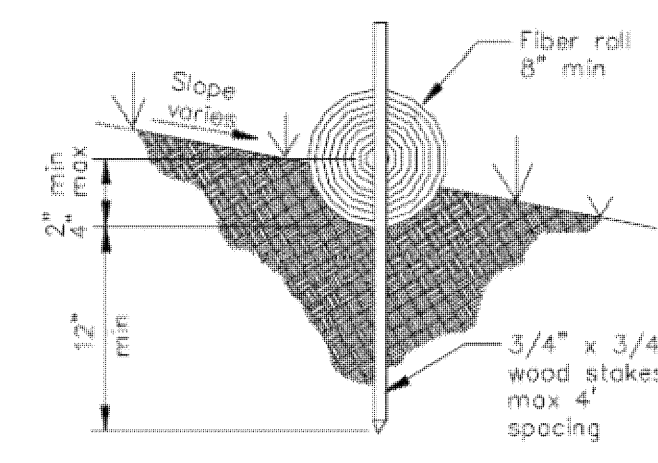
1

### Fiber Rolls

CASQA Detail SE-5



TYPICAL FIBER ROLL INSTALLATION N.T.S.

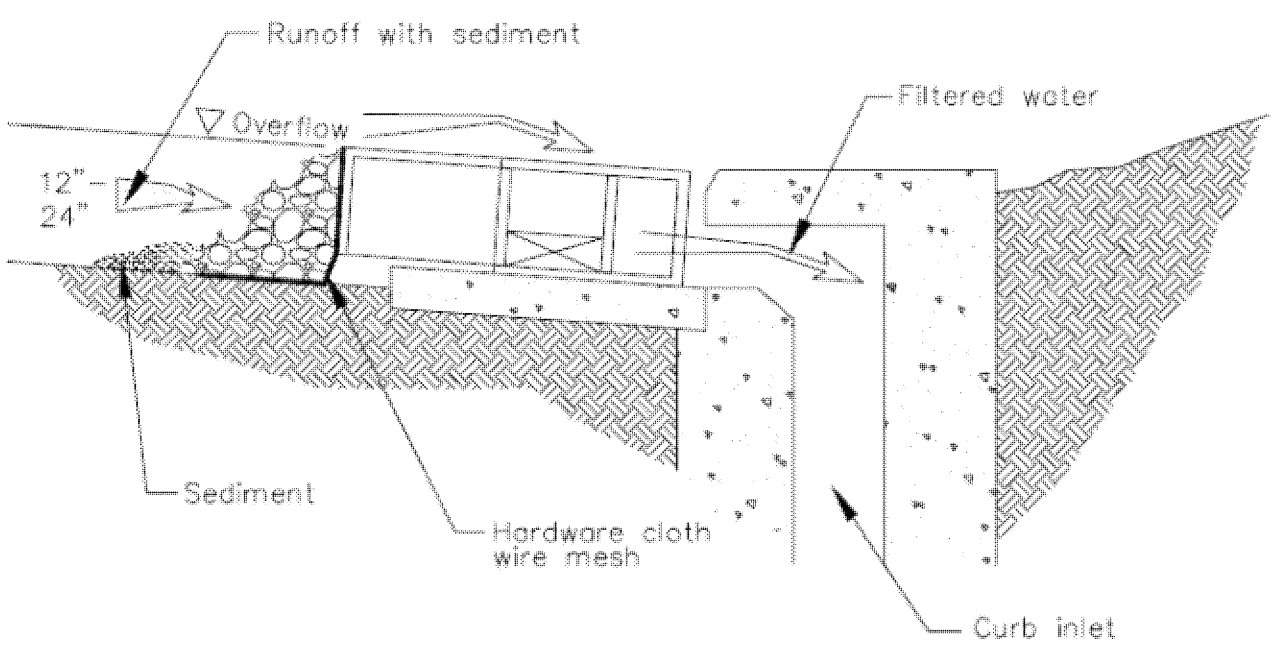
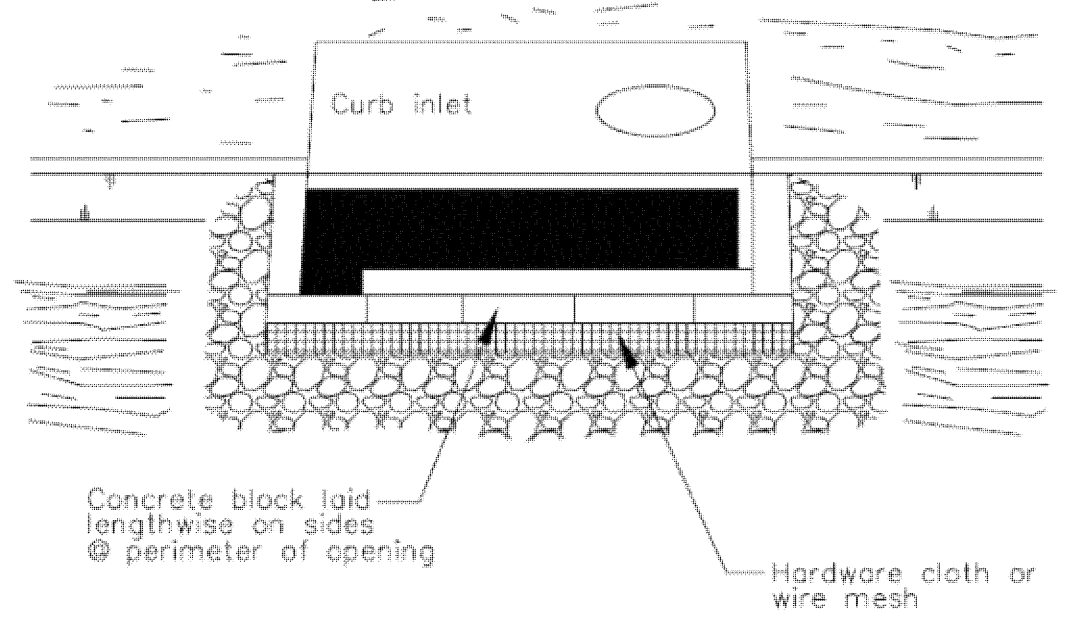


ENTRENCHMENT DETAIL N.T.S.

8

### Storm Drain Inlet Protection

CASQA Detail SE-10

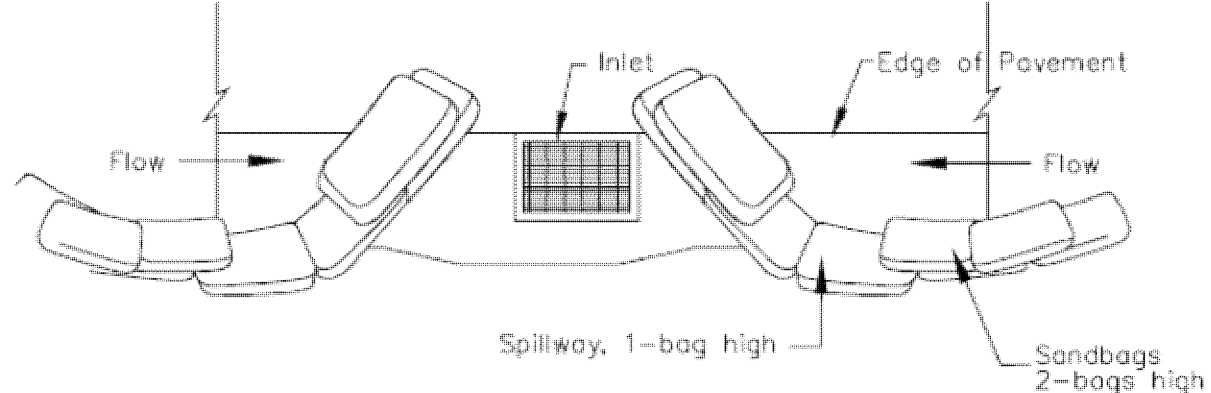


DI PROTECTION -- TYPE 4 NOT TO SCALE

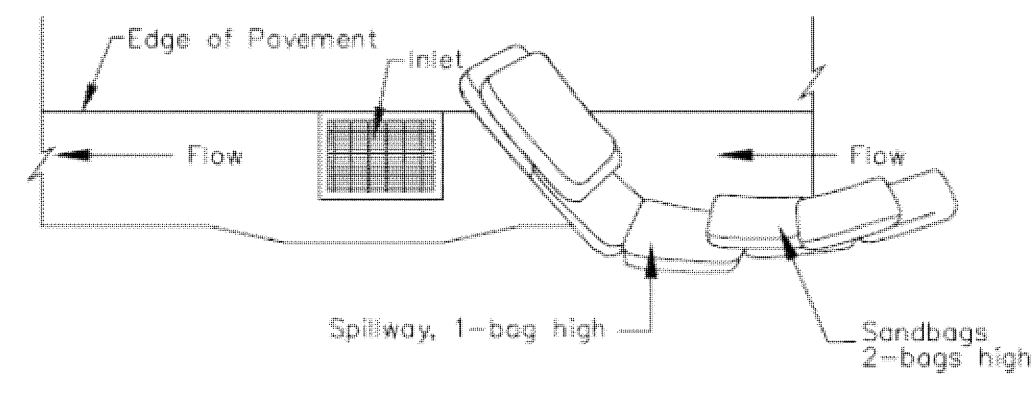
6

### Storm Drain Inlet Protection

CASQA Detail SE-10



TYPICAL PROTECTION FOR INLET ON SUMP



TYPICAL PROTECTION FOR INLET ON GRADE

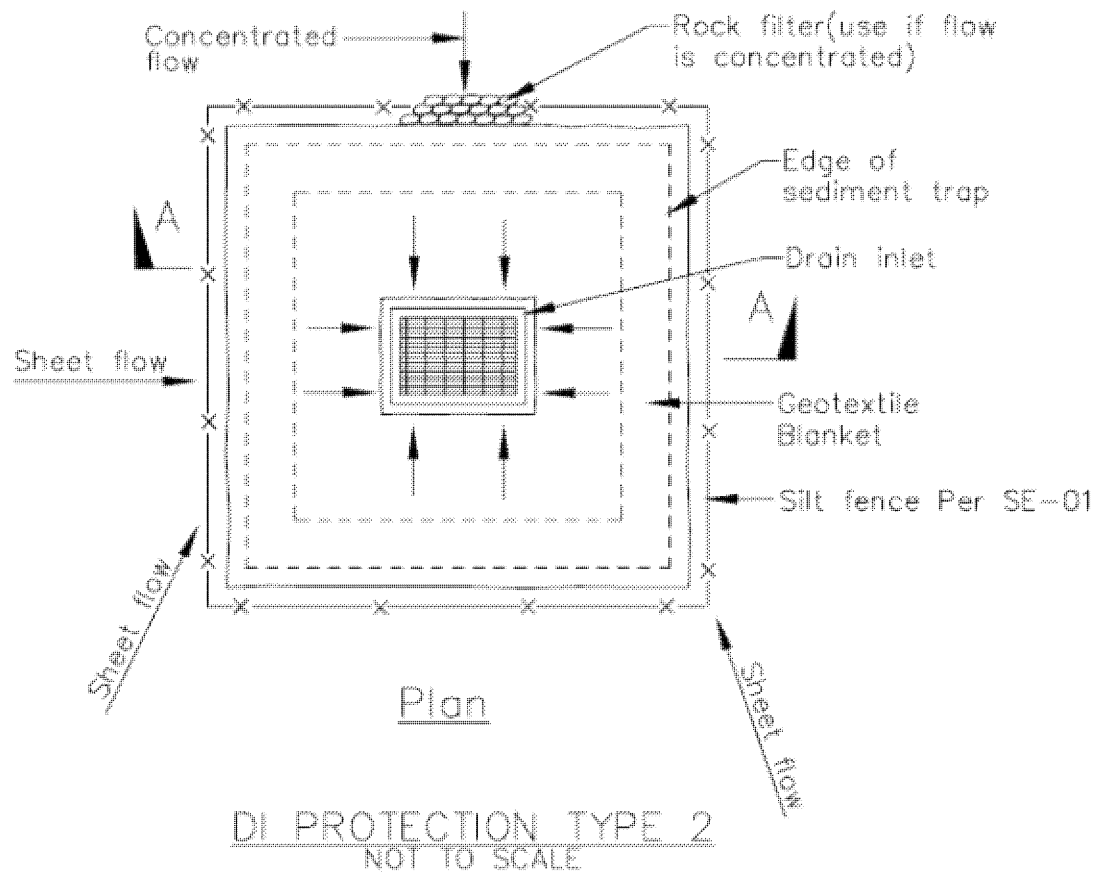
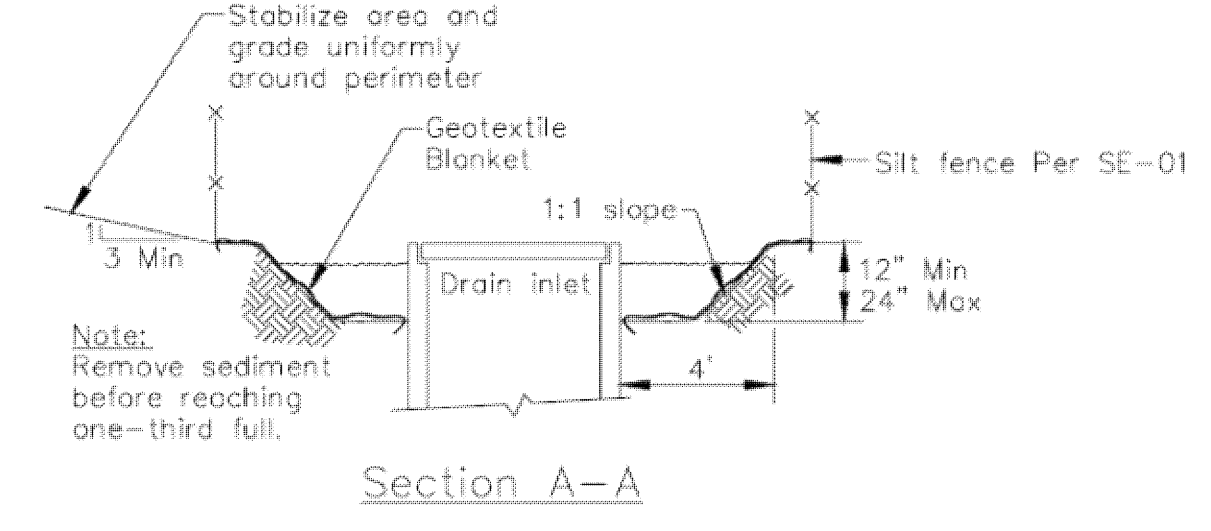
- NOTES:
1. Intended for short-term use.
  2. Use to inhibit non-storm water flow.
  3. Allow for proper maintenance and cleanup.
  4. Bags must be removed after adjacent operation is completed.
  5. Not applicable in areas with high silts and clays without filter fabric.

DI PROTECTION TYPE 3 NOT TO SCALE

4

### Storm Drain Inlet Protection

CASQA Detail SE-10

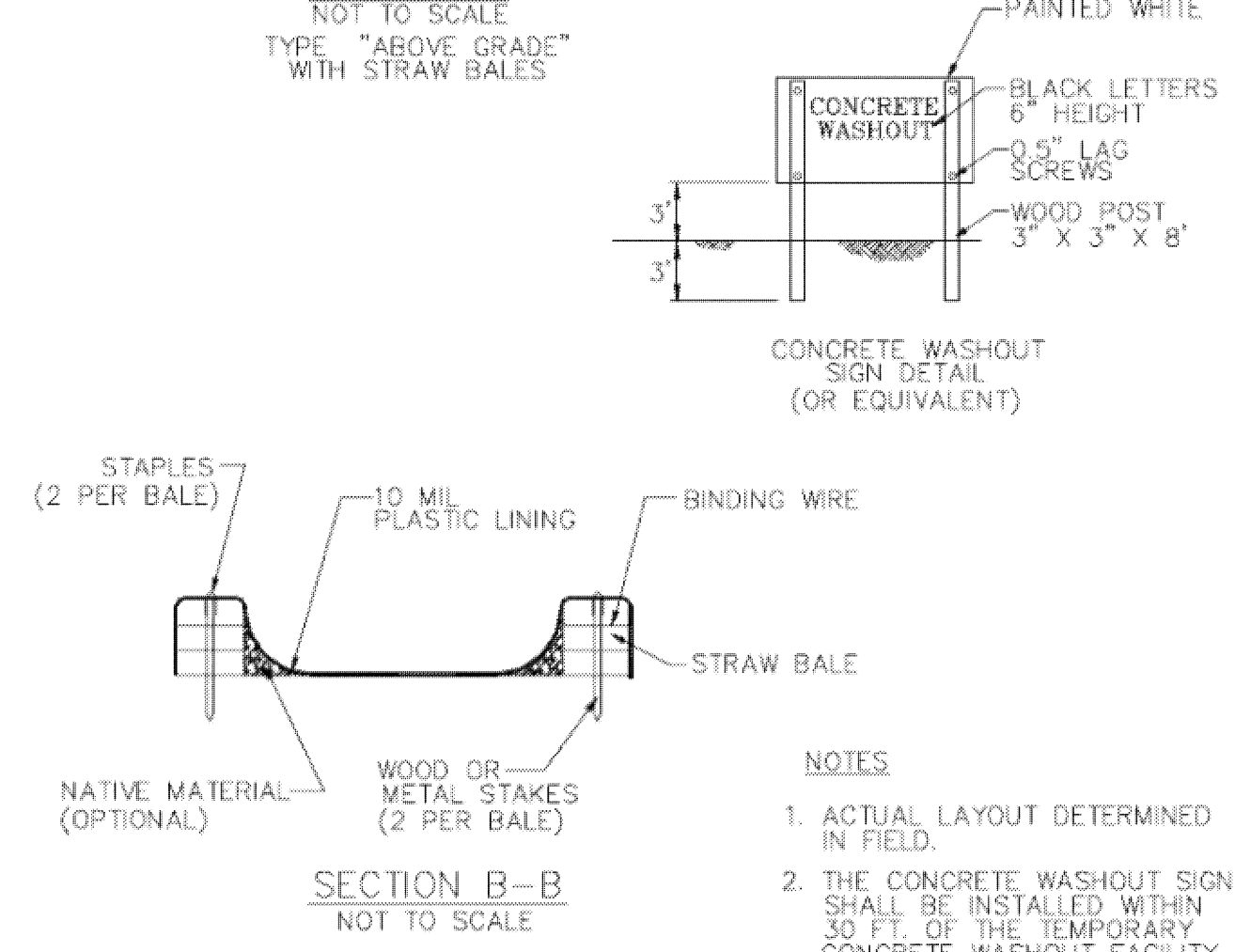
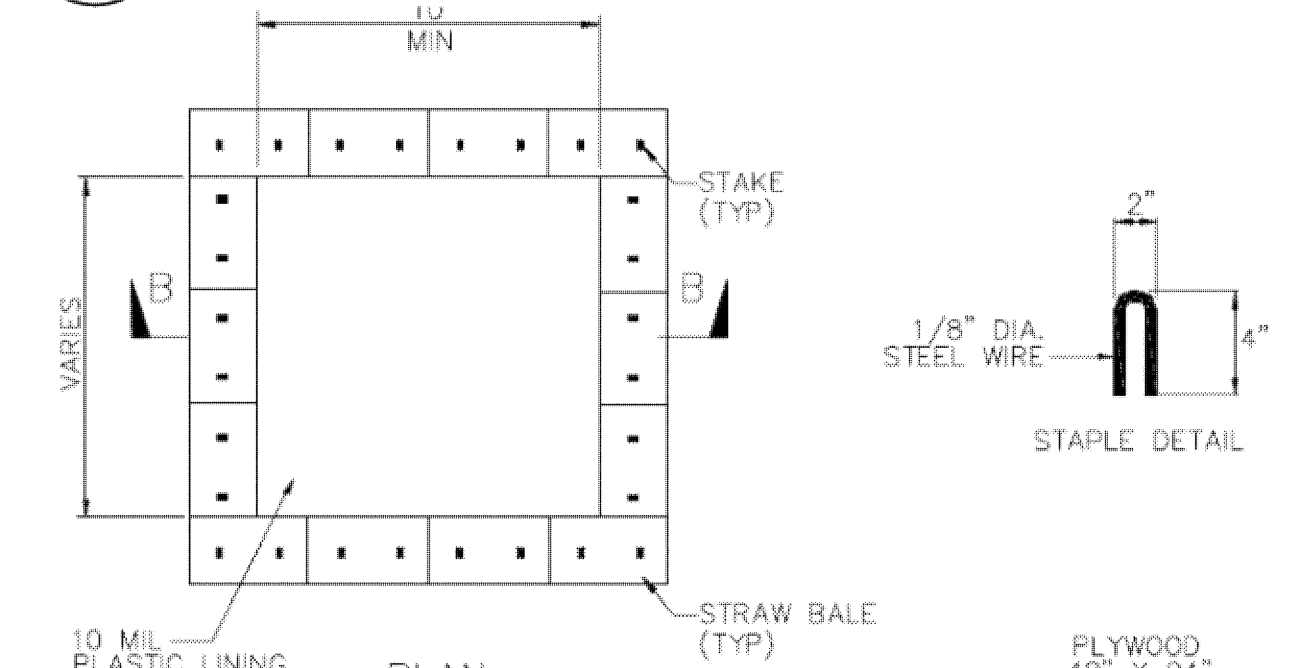


- Notes
1. For use in cleared and grubbed and in graded areas.
  2. Shape basin so that longest inflow area faces longest length of trap.
  3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.

2

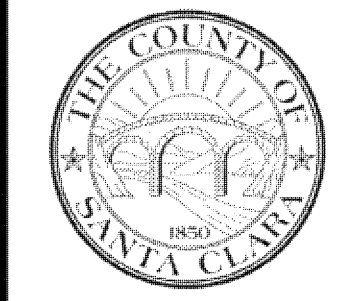
### Concrete Waste Management

CASQA Detail WM-8



- NOTES
1. ACTUAL LAYOUT DETERMINED IN FIELD.
  2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

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



Project Information