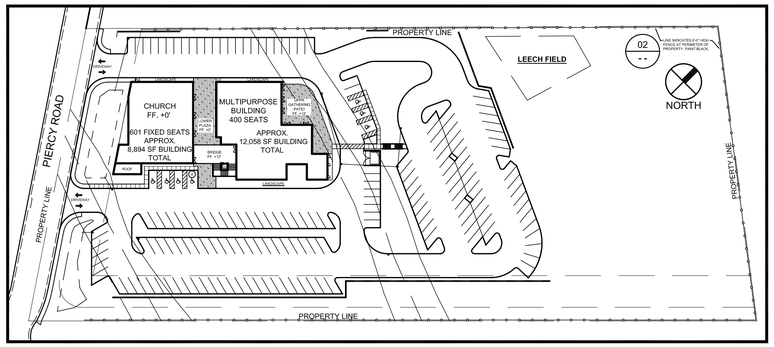
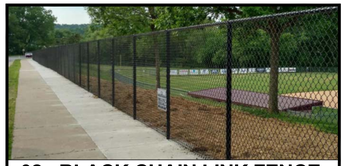
VICINITY MAP

OVERALL PLAN



SITE NOTES:

1. FIRE DEPARTMENT ACCESS WILL BE MADE OF AN "ALL WEATHER" MATERIAL CAPABLE OF HOLDING 75,000 POUNDS.
2. PROPERTY IS LOCATED IN THE STATE RESPONSE AREA AND THE WILDLAND URBAN INTERFACE-HIGH.
   - 2.1. STRUCTURE WILL BE REVIEWED FOR CHAPTER 7A COMPLIANCE AT BUILDING PERMIT REVIEW.
   - 2.2. PROPERTY TO MAINTAIN DEFENSIBLE SPACE.
   - 2.3. PROJECT TO BE REVIEWED BY CAL FIRE FOR PRC-4290 COMPLIANCE.



02 - BLACK CHAIN LINK FENCE

PARKING CALCULATION:

BASED ON THE MOST RESTRICTIVE USE: CHURCH USE PLUS EMPLOYEES.

CHURCH AND MULTIPURPOSE BUILDING TO HAVE SAME USERS. THEY WON'T BE OCCUPIED AT THE SAME TIME. REQUEST FOR PARKING WAIVER.

CHURCH:
601 FIXED SEATS (601 / 4 = 151)
10 EMPLOYEES

151 + 10 = 161 TOTAL PARKING SPACES REQUIRED
** 6 ACCESSIBLE PARKING

PARKING PROVIDED:
174 PARKING SPACES WITH
** 7 ACCESSIBLE PARKING
** 9 LONG TERM BIKE
** 9 SHORT TERM BIKE
** 14 "CLEAN AIR" CARS
** 11 FUTURE EV PARKING

PROJECT DATA:

OWNER:	SOUTHRIDGE CHURCH		
APN:	678-13-012		
SITE:	PIERCY RD, SAN JOSE, CA 95138		
LOT SIZE:	5.8 ACRES		
ZONING:	HS-d1		
CONSTRUCTION:	TYPE III-B		
FIRE PROTECTION:	FIRE SPINKLER - YES, NFPA 13		
(DEFERRED SUBMITTALS)	FIRE ALARM - YES		
BUILDINGS:			
	NEW MULTIPURPOSE BUILDING (2-STORIES)		12,058 SF
	NEW CHURCH (2-STORIES)	(ACTUAL)	8,894 SF
		(WITH CALC)	12,194 SF
	*REFER TO SHEET A6.		
HEIGHT:		35'-0"	35'-0" ACTUAL
SETBACKS:	FRONT	30'-0"	60'-0" ACTUAL
	BACK	30'-0"	451'-10" ACTUAL
	SIDES	30'-0"	59'-4" ACTUAL
			155'-8" ACTUAL

PERCENTAGE OF COVERAGE:
BUILDINGS AND STRUCTURES = 6.5%
HARDSCAPE = 2.5%
LANDSCAPE = 52%

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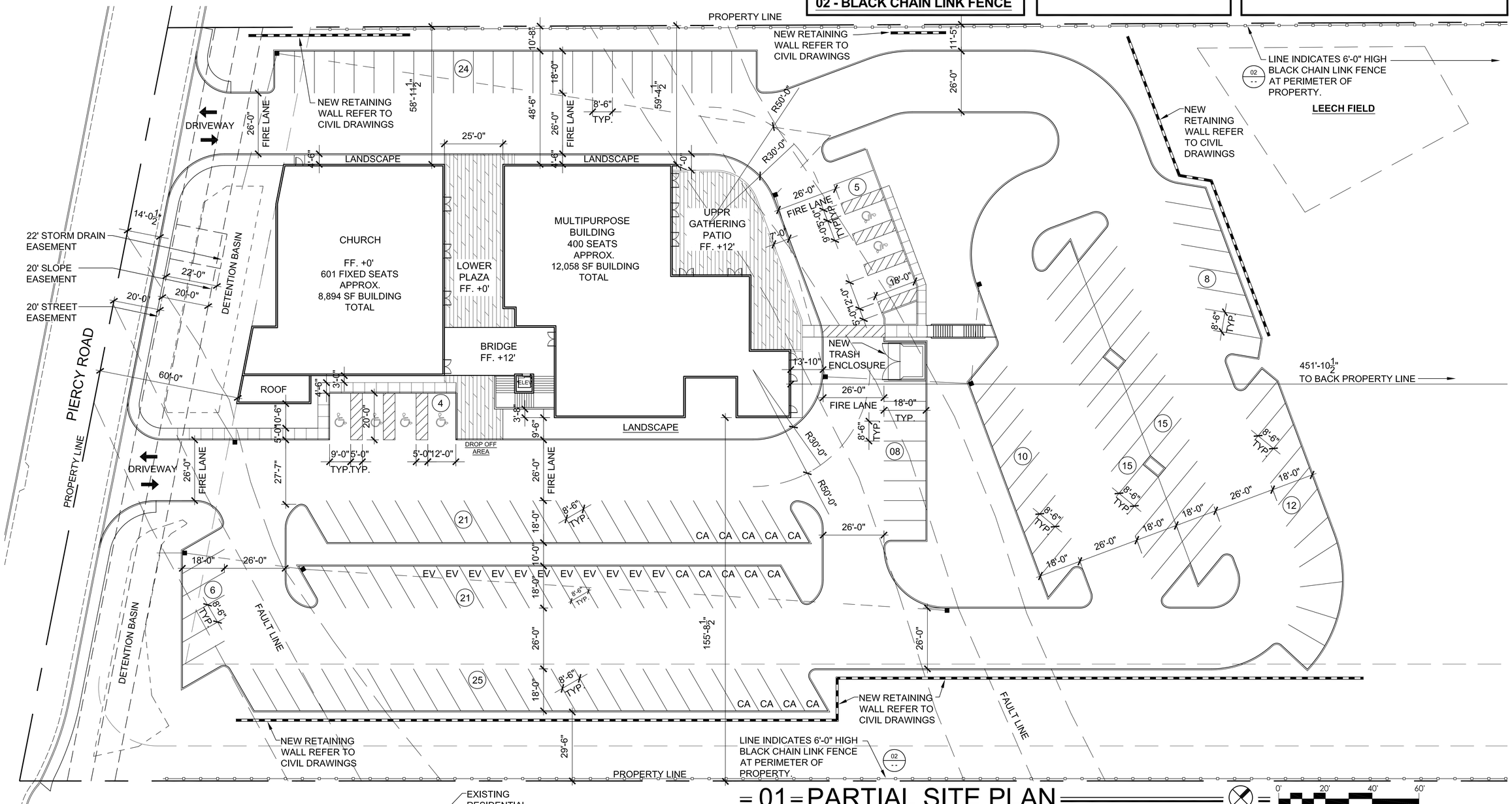

= 01 = PARTIAL SITE PLAN

SOUTHRIDGE CHURCH
NEW CHURCH PROJECT

PIERCY ROAD AND TENNANT AVE.
SANTA CLARA, CA

☐ 2216-VCA-SRC
☐ 12.09.22
☐

☐ SITE PLAN
☐ AS1
☐ ENTITLEMENTS

CONCRETE PAVING PER ARCHITECT

6'-0" HIGH CHAIN-LINK FENCE AT 3 PLACES (EAST,WEST, & NORTH PERIMETER)

LARGE SPECIMEN SCREENING TREES

LEACH FIELD WITH NONE-IRRIGATED HYDRO-SEED MIX

ENTRY HARDSCAPE AREAS PER ARCHITECT

SMALL SCALE DECIDUOUS TREES

TOP OF SLOPE BASIN PLANTING AREA- SEE PLANTING LEGEND L-2

CHURCH SIGNAGE WALL PER ARCHITECT

DROUGHT TOLERANT SHRUBS & GROUND COVER

BOTTOM BASIN PLANTING ARE- SEE PLANTING LEGEND L-2

PROPERTY LINE

PIERCY ROAD

CHURCH
FF. +0'

LOWER PLAZA FF. +0'

MULTIPURPOSE BUILDING

UPPER GATHERING PLAZA FF. +12'

LOBBY FF. +12'-0"

BRIDGE FF. +12'

ELEV.

ELEC.

FR

MECH.

TRASH ENCLOSURE

NEW LANDSCAPE AREAS

KEY MAP

NOT TO SCALE

UNDISTURBED NATURAL GRADE FLORA

UNDISTURBED NATURAL GRADE FLORA

MEDIUM SIZE EVERGREEN PARKING LOT TREES

NEW RETAINING WALLS PER ENGINEER-TYPICAL

LARGE SPECIMEN SCREENING TREES

MEDIUM SIZE SHADE TREES

NEW RETAINING WALLS PER ENGINEER-TYPICAL

SMALL SCALE DROUGHT TOLERANT TREE

EVERGREEN DROUGHT TOLERANT TREE GROVE

6'-0" HIGH CHAIN-LINK FENCE AT 3 PLACES (EAST,WEST, & NORTH PERIMETER)

DROUGHT TOLERANT SHRUBS & GROUND COVER W/ MULCH UNDERNEATH

SCALE: 1" = 20'

0' 10' 40'

20' 5' 20' 60'

PROJECT # 22-41 DATE MAR 01, 2023

PRELIMINARY PLAN

SOUTHRIDGE CHURCH

PIERCY RD & TENNANT AVE, SANTA CLARA, CA

CLIENT:
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OVERALL PLAN

L-1

PLANTING LEGEND

SYM.	BOTANICAL NAME	COMMON NAME	SIZE	W.U.	P.F.	QTY	COMMENTS
	TREES:						
	FRAXINUS UHDEI	EVERGREEN ASH SHAMEL	24" BOX	M	0.5	QTY	
	PUNICA GRANATUM	POMEGRANATE TREE	15 GAL	L	0.2	QTY	'WONDERFUL'
	OLEA EUROPAEA	OLIVE TREE	15 GAL	L	0.2	QTY	'MANZANILLO'
	CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GAL	M	0.5	QTY	
	RHUS LANCEA	AFRICAN SUMAC	24" BOX	L	0.2	QTY	
	GEIJERIA PARVIFLORA	AUSTRALIAN WILLOW	24" BOX	L	0.2	QTY	
	SHRUBS:						
	BAILEYA MULTIRADIATA	DESERT MARIGOLD	1 GAL	L	0.2	QTY	
	CEANOTHUS ANCHOR BAY	ANCHOR BAY WILD LILAC	5 GAL	L	0.2	QTY	
	DODONAEA VISCOSA	PURPLE-LEAFED HOP-BUSH	5 GAL	L	0.2	QTY	'PURPUREA'
	ELYMUS CONDENSATUS	MAGELLAN WHEATGRASS	5 GAL	L	0.2	QTY	'CANYON PRINCE'
	JUSTICIA CALIFORNICA	CHUPAROSA	1 GAL	L	0.2	QTY	-
	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	5 GAL	L	0.2	QTY	'REGAL MIST'
	PENNISETUM ORIENTALE	CHINESE FOUNTAIN GRASS	5 GAL	L	0.2	QTY	-
	PENNISETUM MESSIACUM	RED BUNNY TAILS	5 GAL	L	0.2	QTY	-
	PENNISETUM SPATHIOLATUM	SLENDER VELDT GRASS	5 GAL	L	0.2	QTY	-
	MAHONIA AQUIFOLIUM	OREGON GRAPE	5 GAL	L	0.2	QTY	
	MAHONIA REPENS	CREEPING MAHONIA	5 GAL	L	0.2	QTY	-
	PENSTEMON HYBRID	BORDER PENSTEMON	1 GAL	L	0.2	QTY	'APPLE BLOSSOM'
	SALVIA CLEVELANDII	CALIFORNIA BLUE SAGE	1 GAL	L	0.2	QTY	-
	SALVIA SPATHACEA	HUMMING-BIRD SAGE	1 GAL	L	0.2	QTY	-
	ZAUSCHNERIA CALIFORNICA	CALIFORNIA FUCHSIA	1 GAL	L	0.2	QTY	-
	HYDRO-SEED MIX:						
	NATIVE HYDROSEED	MIX FLOWERING	SEED	L	0.2	QTY	
	GROUNDCOVERS:						
	DELOSPERMA COOPERI	PURPLE ICE PLANT	FLATS	L	0.2	QTY	
	LANTANA X MONET	SPREADING SUNSET LANTANA	FLATS	L	0.2	QTY	'MONET'
	MYOPORUM PARVIFOLIUM	MYOPORUM	FLATS	L	0.2	QTY	-
	BIO-BASIN SHRUBS:						
	CAREX TUMULICOLA	BERKELEY SEDGE	5 GAL	L	0.2	QTY	-
	JUNCUS PATENS	CALIFORNIA GREY RUSH	5 GAL	L	0.2	QTY	-
	ROSA CALIFORNICA	CALIFORNIA WILD ROSE	1 GAL	L	0.2	QTY	-
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	L	0.2	QTY	-

IRRIGATION & PLANTING NOTES:

1. ALL LANDSCAPE AREAS SHALL RECEIVE A WATER CONSCIOUS AUTOMATIC IRRIGATION SYSTEM. DRIP IRRIGATION SHALL BE UTILIZED WHERE EVER APPROPRIATE.

2. ALL ON - SITE PLANTING AND IRRIGATION SHALL BE MAINTAINED TO ENSURE WATER EFFICIENCY AND HEALTH APPEARANCE.

3. ALL UNSIGHTLY SITE APPARATUS SHALL BE SCREENED WITH 5 GALLON SHRUBS OR GREATER (BACK FLOW PREVENTERS, TRANSFORMERS, GAS METERS, AC UNITS ETC.)

4. THE CRITERIA OF CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE WILL BE CALCULATED & PROVIDED TO ASSURE COMPLIANCE OF EFFICIENT USE OF WATER WITHIN THE NEW DESIGNED LANDSCAPE PLAN

IRRIGATION LEGEND

MFG	MODEL	DESCRIPTION	RAD.	GPM	PSI
HUNTER	RZWS-18-25-CV	DEEP ROOT BUBBLER (2 PER TREE)	3'	0.25	30
NETAFIM	TLAVRV	AIR RELIEF VALVE			
NETAFIM	TLSOV	MANUAL FLUSH VALVE			
HUNTER	ICV-201G-FS	PLASTIC MASTER VALVE - NORMALLY CLOSED			
HUNTER	-	PLASTIC REMOTE CONTROL VALVE - SIZE PER PLAN			
HUNTER	-	PLASTIC DRIP ZONE VALVE - SIZE PER PLAN			
HUNTER	HQ-33-DLRC	3/4" BRASS QUICK COUPLING VALVE			
NIBCO	T1-8	BRASS GATE VALVE - SIZE PER PLAN			
HUNTER	ECO-ID	PRESSURE INDICATOR STAKE			
FEBCO	825-YA	REDUCED PRESSURE BACKFLOW PREVENTER - SIZE PER PLAN			
HUNTER	-	CONTROLLER			
HUNTER	RAIN-CLICK	RAIN SENSOR			
HUNTER	HC-100-FLOW	FLOW SENSOR - SIZE PER PLAN			
IRRIGATION	WATER METER	LANDSCAPE WATER METER - SEE CIVIL ENGINEER'S PLANS			

MAINLINE	1 1/2" AND LESS SCH 40 PVC, 2" AND LARGER CLS 315, INSTALL MIN 18" DEPTH
LATERAL LINE	ALL SIZES CLASS 200 PVC
NETAFIM DRIP HOSE	TLCV4-04-18 (EMITTERS AT 18" o.c. & DRIP HOSE AT 18" o.c.) REFER TO SHEET L4.02 FOR DETAIL
SLEEVING	SCH 40 PVC; 2X DIA. OF ENCLOSED PIPE - MIN 24" DEEP SCH 40 PVC: (1) 2" FOR 1-25 WIRES, MIN 24" DEEP


DEEP ROOT BUBBLER


AIR VALVE


FLUSH VALVE


IRRIGATION VALVE


DRIP VALVE


QUICK COUPLER


GATE VALVE


ECO-ID


BACKFLOW PREVENTER


CONTROLLER


RAIN SENSOR


FLOW SENSOR

DRIP HOSE

PROJECT # 22-41 DATE DEC 12, 2022

PRELIMINARY PLAN
SOUTHRIDGE CHURCH
PIERCY RD & TENNANT AVE, SANTA CLARA, CA

CLIENT:
JVC ARCHITECTS
5385 CAMERON ST. SUITE 15
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LEGENDS
L-2


EVERGREEN ASH SHAMEL


POMEGRANATE TREE


OLIVE TREE


WESTERN REDBUD TREE


AFRICAN SUMAC TREE


AUSTRALIAN WILLOW


DESERT GOLD


DESERT GOLD


PURPLE-LEAFED HOPE BUSH


MAGELLAN WHEAT GRASS


CHUPAROSA


MUHLY GRASS


CHINESE FOUNTAIN GRASS


RED BUNNY TAILS


SLENDER VELDT GRASS


OREGON GRAPE


CREEPING MAHONIA


BORDER PENSTEMON


CALIFORNIA BLUE SAGE


HUMMING-BIRD SAGE


PURPLE ICE PLANT


SPREADING SUNSET LANTANA


MYOPORUM


BERKELEY SEDGE


CALIFORNIA GREY RUSH


CALIFORNIA WILD ROSE


DEER GRASS

PROJECT # 22-41 DATE DEC 12, 2022

PRELIMINARY PLAN

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PLANT MATERIAL

L-3

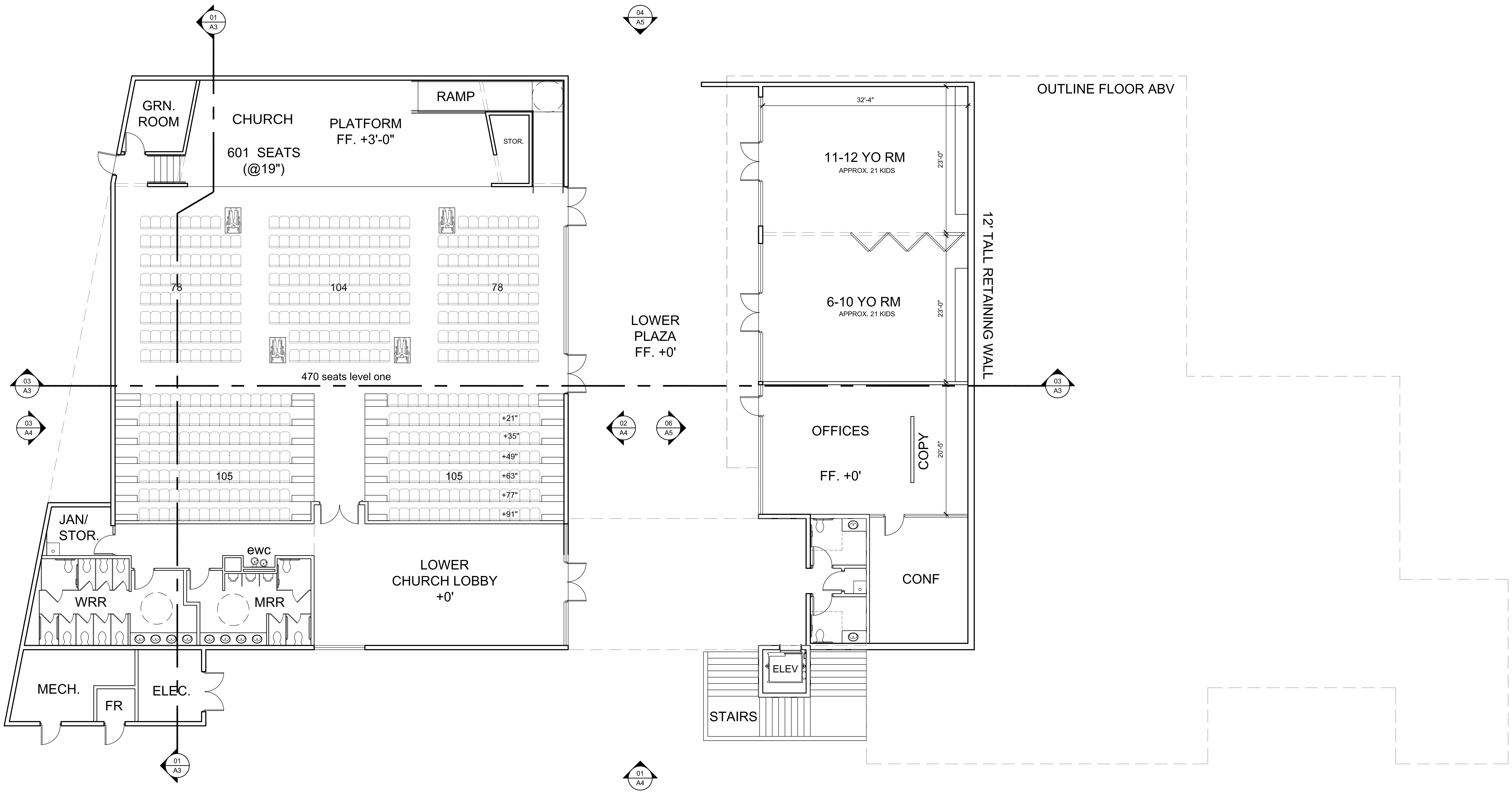
BUILDING 2
CHURCH

LEVEL 1 (LOBBY AREA)	2,143 SF
LEVEL 2 (MAIN WORSHIP AREA)	6,751 SF
TOTAL BLDG 2	8,894 SF ACTUAL

(12,194 SF WITH SQUARE FOOTAGE CALCULATION FOR AREAS HIGHER THAN 15'-0". REFER TO SHEET A6.)

BUILDING 1
MULTIPURPOSE BUILDING

LEVEL 1	2,929 SF
LEVEL 2	9,129 SF
TOTAL BLDG 1	12,058 SF



01 FLOOR PLAN - LOWER LEVEL

0' 8' 16' 24'
Scale: 1/8" = 1'-0"

SHEET NORTH
TRUE NORTH

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SOUTHRIDGE CHURCH
NEW CHURCH PROJECT
PIERCY ROAD AND TENNANT AVE.
SANTA CLARA, CA

☐ 2216-VCA-SRC
☐ 12.09.22
☐

☐ FLOOR PLANS
☐ A1
☐ ENTITLEMENTS

BUILDING 2
CHURCH

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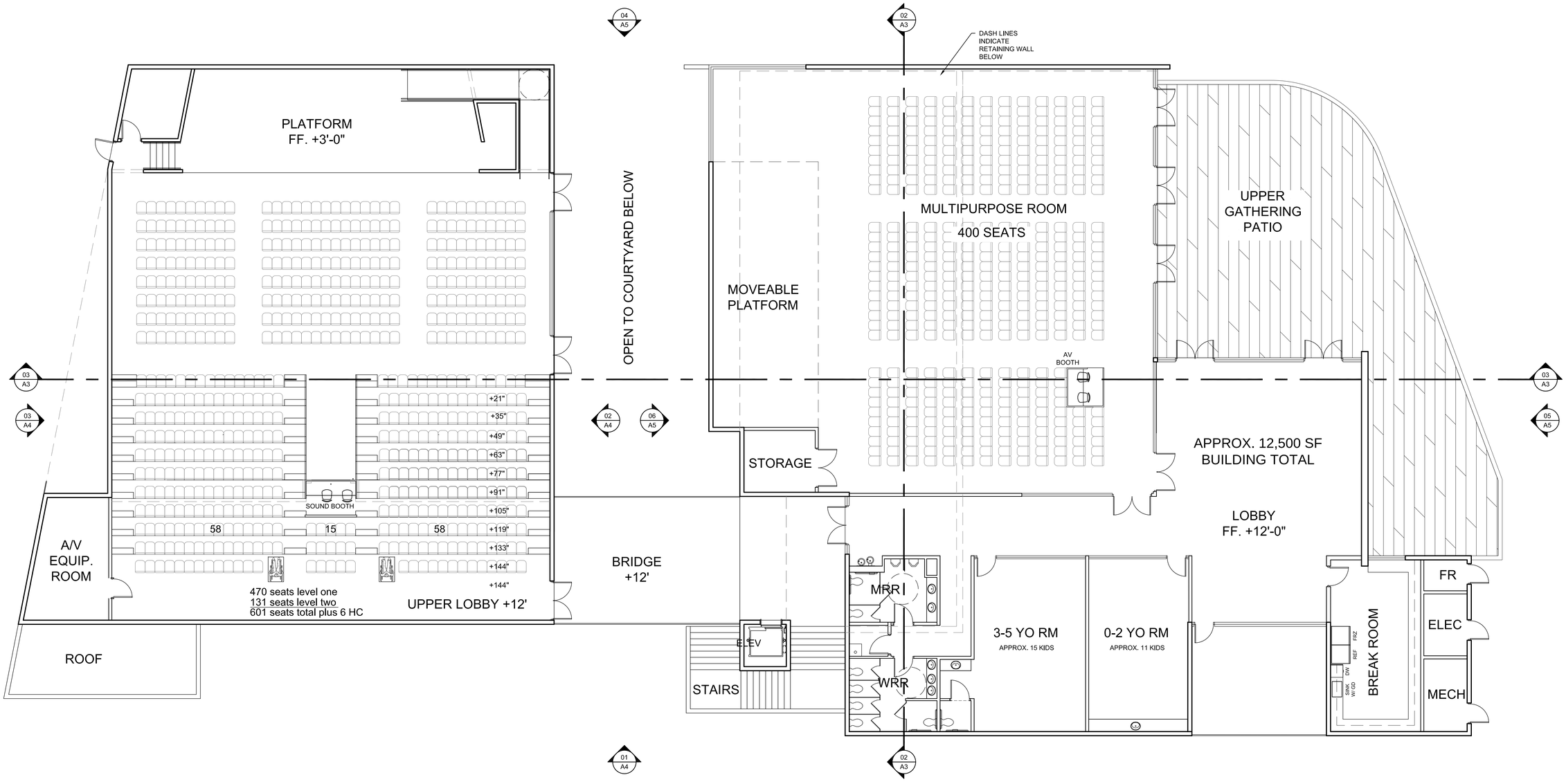

= 01 = FLOOR PLAN - UPPER LEVEL

0' 8' 16' 24'
Scale: 1/8" = 1'-0"

SHEET NORTH = TRUE NORTH

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NEW CHURCH PROJECT

PIERCY ROAD AND TENNANT AVE.
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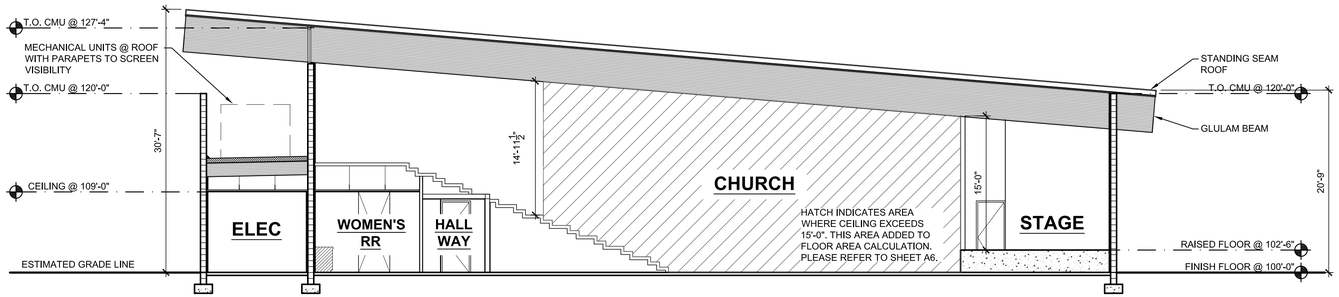
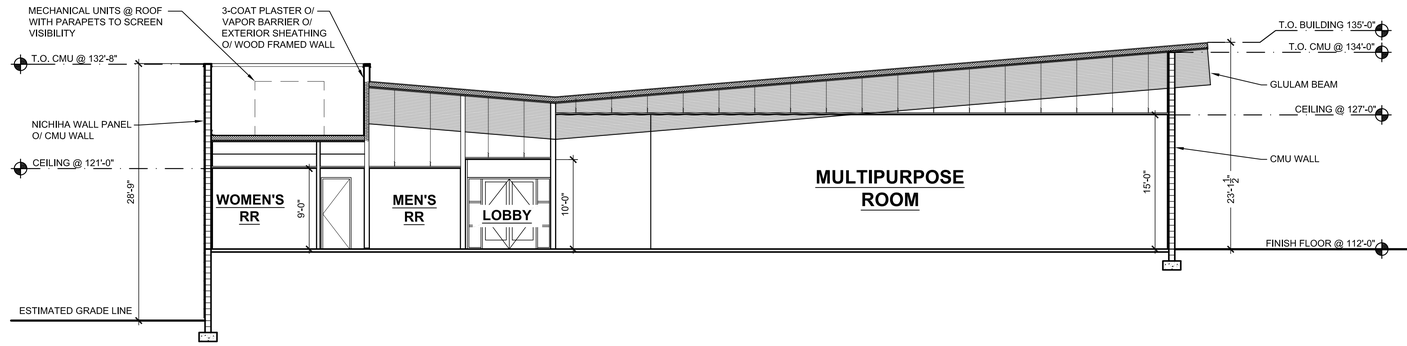
☐ FLOOR PLANS
☐ A2
☐ ENTITLEMENTS



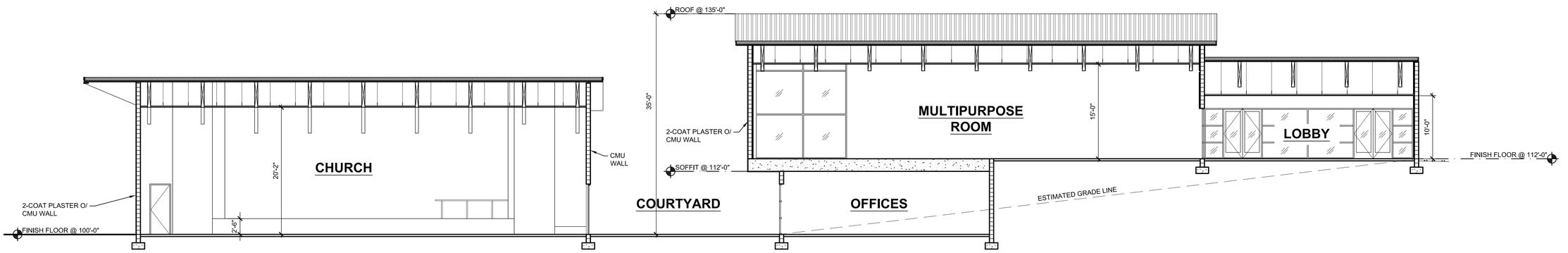
= 01 = BUILDING SECTION

SCALE: 1/8" = 1'-0"



= 02 = BUILDING SECTION

SCALE: 1/8" = 1'-0"



= 03 = BUILDING SECTION

SCALE: 1/8" = 1'-0"

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SOUTHRIDGE CHURCH
NEW CHURCH PROJECT

PIERCY ROAD AND TENNANT AVE.
SANTA CLARA, CA

☐ 2216-VCA-SRC
☐ 12.09.22
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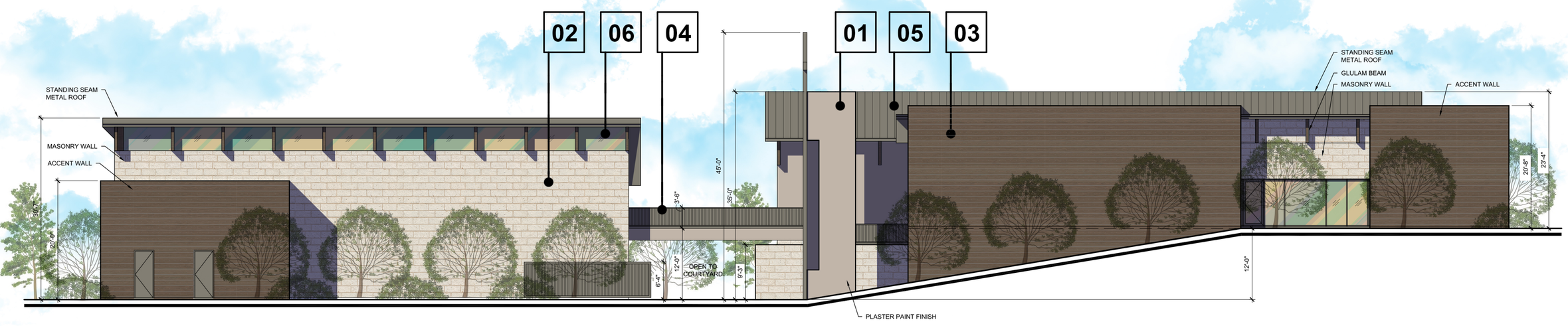
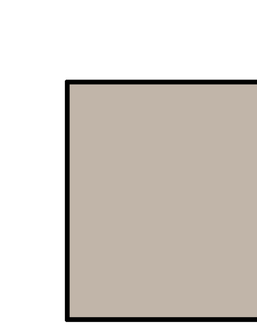
☐ BUILDING SECTIONS
☐ A3
☐ ENTITLEMENTS



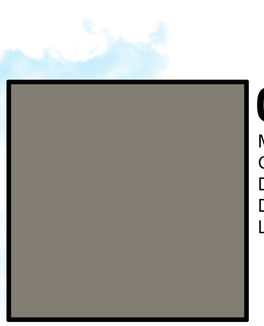
01 SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



01

FIELD PAINT
DUNN EDWARDS
DEC751 ASH GRAY
LRV 44



04

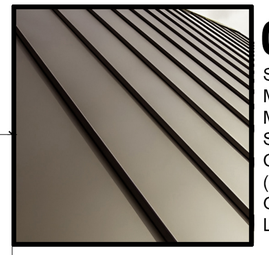
METAL COLOR
CROSS, RAILS, FRAMES.
DUNN EDWARDS
DET626 METAL FRINGE
LRV 21

02 CHURCH EAST ELEVATION

SCALE: 1/8" = 1'-0"

02

MASONRY WALL
TRENDSTONE
TEXTURED MASONRY UNITS
COLOR: PEARL
HONED FINISH

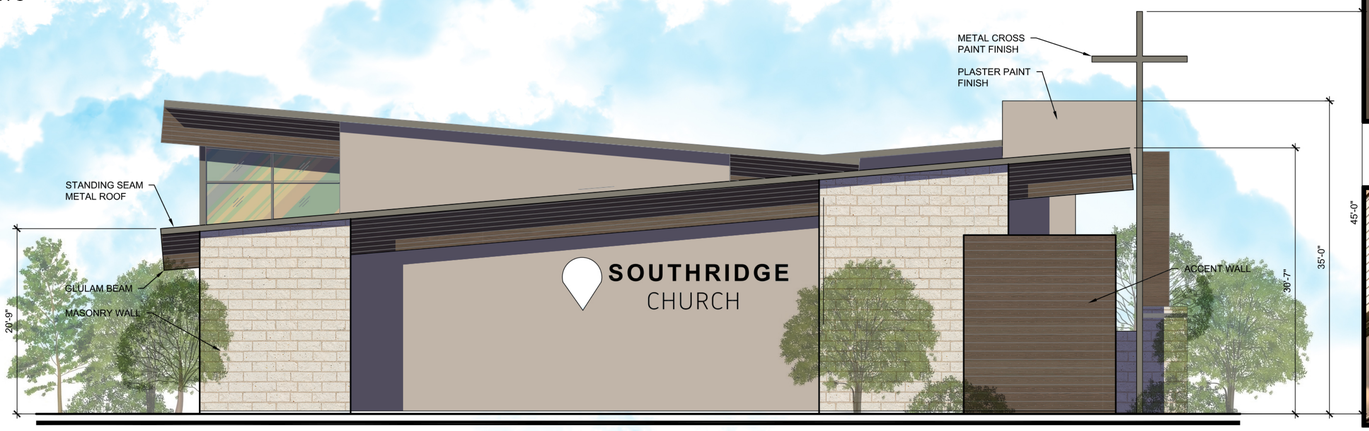


05

STANDING SEAM
METAL ROOF
MANUF: WESTERN
STATES METAL ROOFING
COLOR: BONDERIZED
(WEATHERED
GALVANIZED)
LRV 21

03

ACCENT WALL
CEMENT BOARD
MANUF: NICHIHA
WOOD SERIES
ROUGHSAWN
TOBACCO



06

GLASS
VITRO ARCHITECTURAL
GLASS
SOLARBRONZE

03 CHURCH WEST ELEVATION

SCALE: 1/8" = 1'-0"

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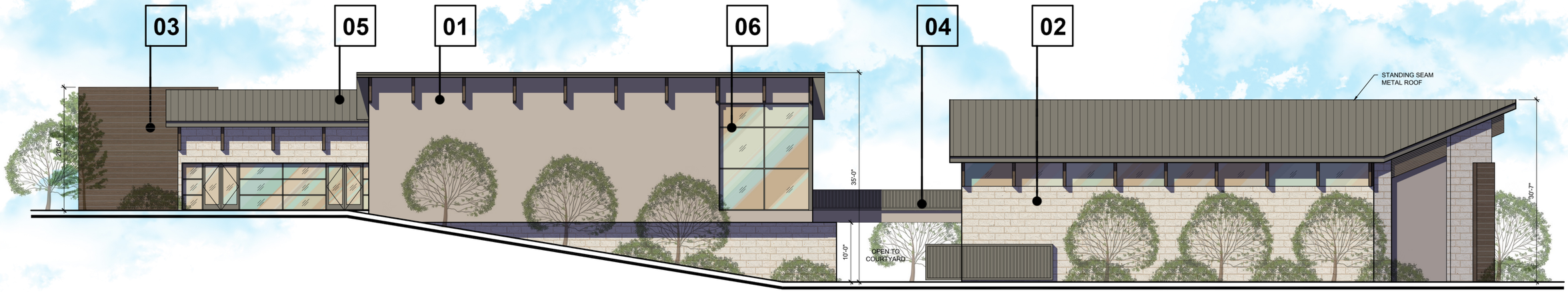
SOUTHRIDGE CHURCH
NEW CHURCH PROJECT

PIERCY ROAD AND TENNANT AVE.
SANTA CLARA, CA

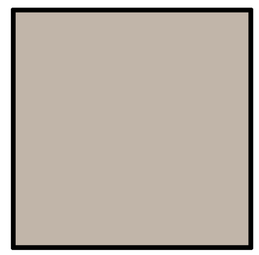
☐ 2216-VCA-SRC
☐ 12.09.22
☐

☐ EXTERIOR ELEVATIONS
☐ A4
☐ ENTITLEMENTS

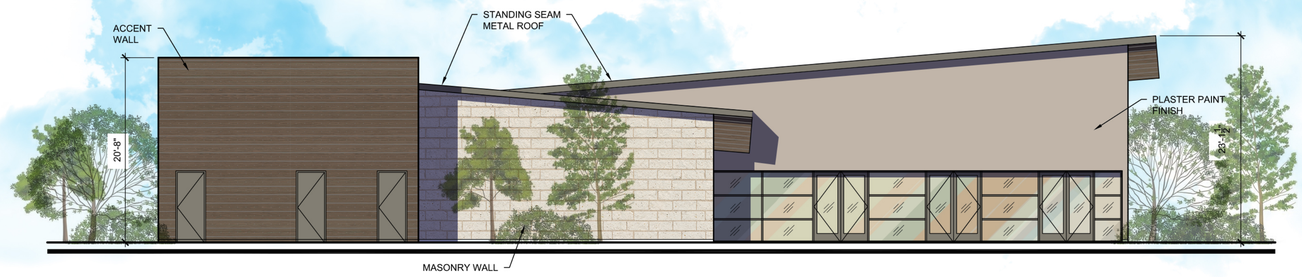


= 04 = NORTH ELEVATION

SCALE: 1/8" = 1'-0"



01
FIELD PAINT
DUNN EDWARDS
DEC751 ASH GRAY
LRV 44

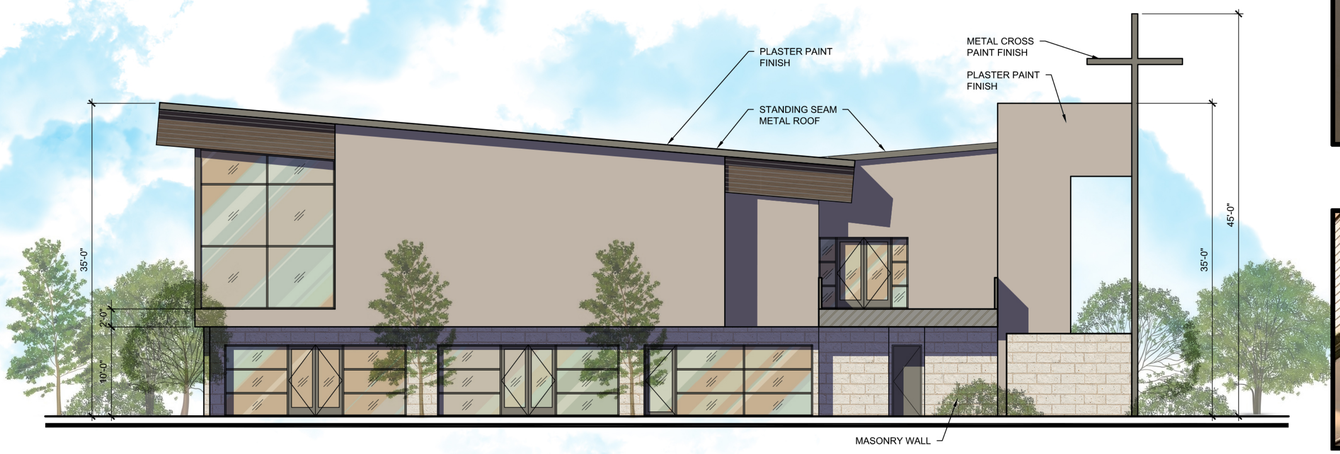


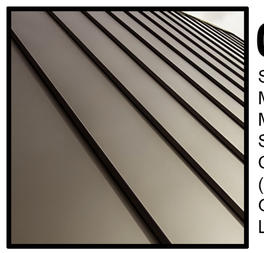
04
METAL COLOR
CROSS, RAILS, FRAMES.
DUNN EDWARDS
DET626 METAL FRINGE
LRV 21

= 05 = MULTIPURPOSE BLDG EAST ELEVATION

SCALE: 1/8" = 1'-0"

02
MASONRY WALL
TRENDSTONE
TEXTURED MASONRY UNITS
COLOR: PEARL
HONED FINISH





05
STANDING SEAM
METAL ROOF
MANUF: WESTERN
STATES METAL ROOFING
COLOR: BONDERIZED
(WEATHERED
GALVANIZED)
LRV 21

03
ACCENT WALL
CEMENT BOARD
MANUF: NICHIHA
WOOD SERIES
ROUGHSAWN
TOBACCO

06
GLASS
VITRO ARCHITECTURAL
GLASS
SOLARBRONZE

= 06 = MULTIPURPOSE BLDG WEST ELEVATION

SCALE: 1/8" = 1'-0"

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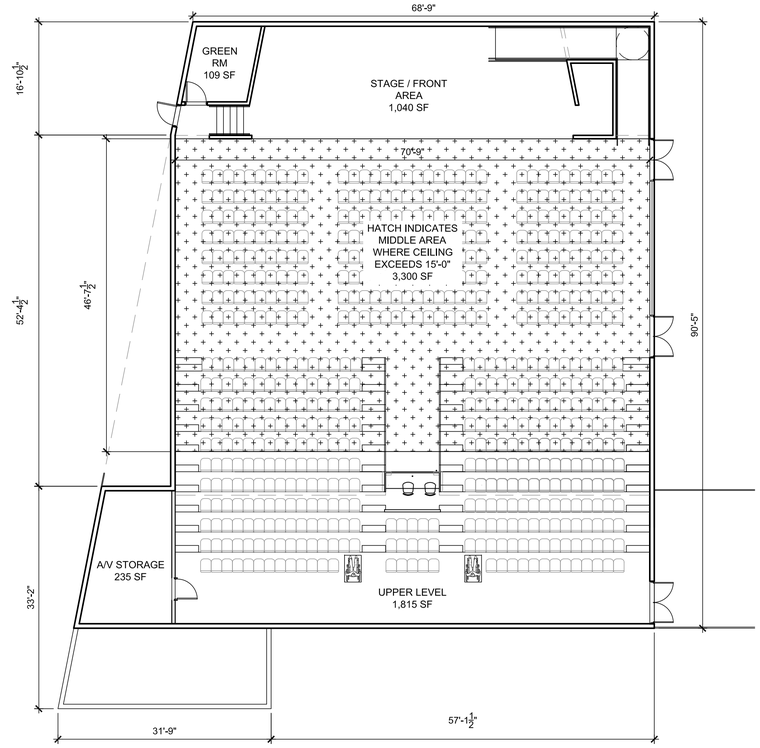
PH 702.871.3416
WWW.JVCARCHITECTS.NET

SOUTHRIDGE CHURCH
NEW CHURCH PROJECT

PIERCY ROAD AND TENNANT AVE.
SANTA CLARA, CA

☐ 2216-VCA-SRC
☐ 12.09.22
☐

☐ EXTERIOR ELEVATIONS
☐ A5
☐ ENTITLEMENTS



= 04 = CHURCH
LEVEL 2

SCALE 3/32" = 1'-0" — SHEET NORTH — TRUE NORTH

FLOOR AREA CALCULATION:

BUILDING 1 MULTIPURPOSE HALL:
ALLOWABLE: 12,500 SF
ACTUAL: 12,058 SF

BUILDING 2 CHURCH:
ALLOWABLE: 12,500 SF
ACTUAL: 8,894 SF
ADJUSTED: 12,194 SF

BUILDING 1: MULTIPURPOSE HALL

LEVEL 1

YOUTH ROOM	1,500	SF
OFFICE	660	SF
CONF ROOM	308	SF
RESTROOM	65	SF
RESTROOM	65	SF
JANITOR	14	SF
ELEVATOR	47	SF
MISC. (WALLS, ETC.)	270	SF
LEVEL 1 TOTAL	2,929	SF

LEVEL 2

LOBBY	1,270	SF
HALLWAY	605	SF
MULTIPURPOSE	4,695	SF
STORAGE	115	SF
KITCHEN	403	SF
MEN RR	127	SF
WOMEN RR	168	SF
JANITOR	31	SF
3-5 YR ROOM	537	SF
RESTROOM	25	SF
1-2 YR ROOM	447	SF
FIRE RISER	35	SF
ELECTRICAL RM	70	SF
MECHANICAL	82	SF
MISC. (WALLS, ETC.)	519	SF
LEVEL 2 TOTAL	9,129	SF

BUILDING 1 TOTAL: 12,058 SF

BUILDING 2: CHURCH

LEVEL 1

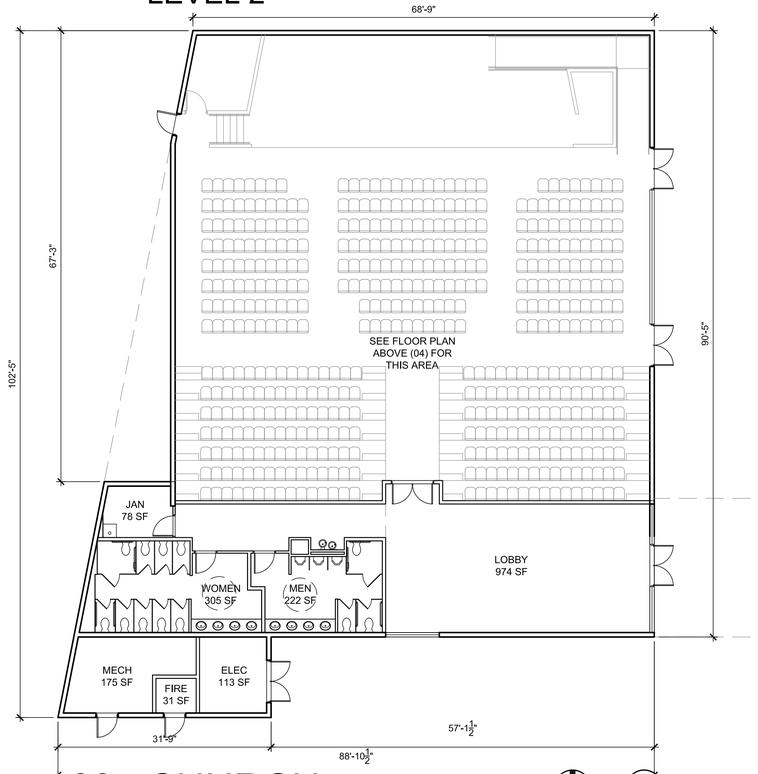
LOBBY	974	SF
MEN RESTROOM	222	SF
WOMEN RESTROOM	305	SF
JANITOR	78	SF
MECHANICAL	175	SF
FIRE RISER	31	SF
ELECTRICAL	113	SF
MISC. (WALLS, ETC.)	245	SF
LEVEL 1 TOTAL	2,143	SF

LEVEL 2

STAGE/FRONT AREA	1,040	SF
GREEN ROOM	109	SF
MIDDLE AREA (CEILING EXCEEDS 15'-0")	3,300	SF
UPPER LEVEL	1,815	SF
A/V STORAGE	235	SF
MISC. (WALLS, ETC.)	252	SF
LEVEL 2 TOTAL (ACTUAL)	6,751	SF

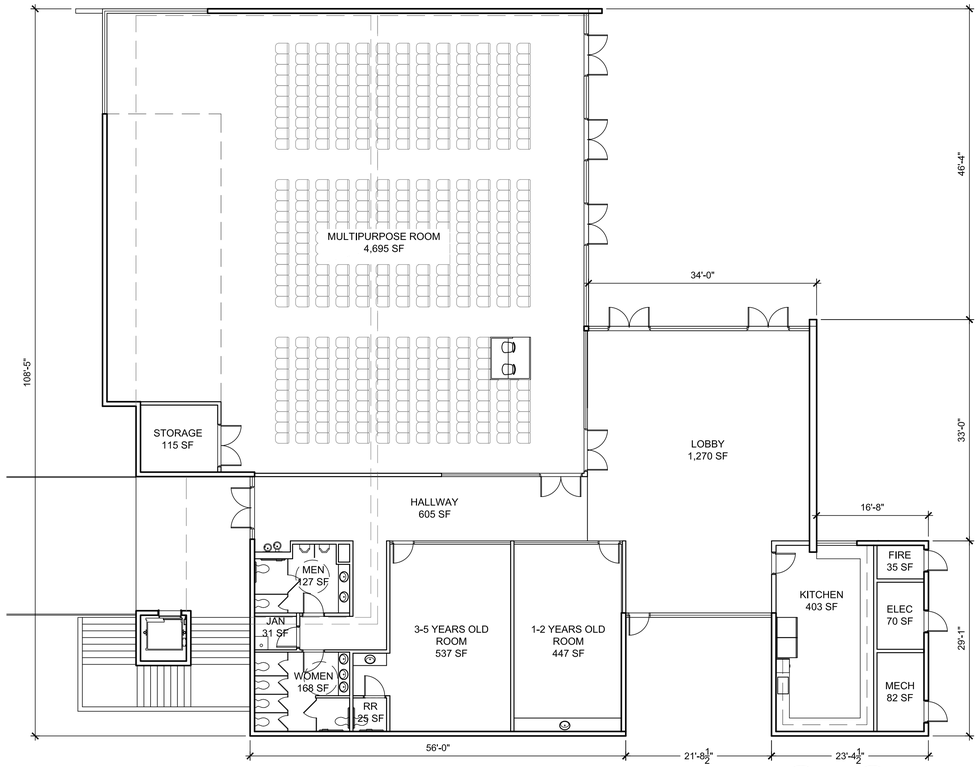
BUILDING 2 TOTAL (ACTUAL): 8,894 SF

BUILDING 2 TOTAL WITH ADDITIONAL SQUARE FOOTAGE DUE TO CEILING HEIGHT: 8,894 +3,300 SF (MIDDLE AREA SF) = 12,194 SF



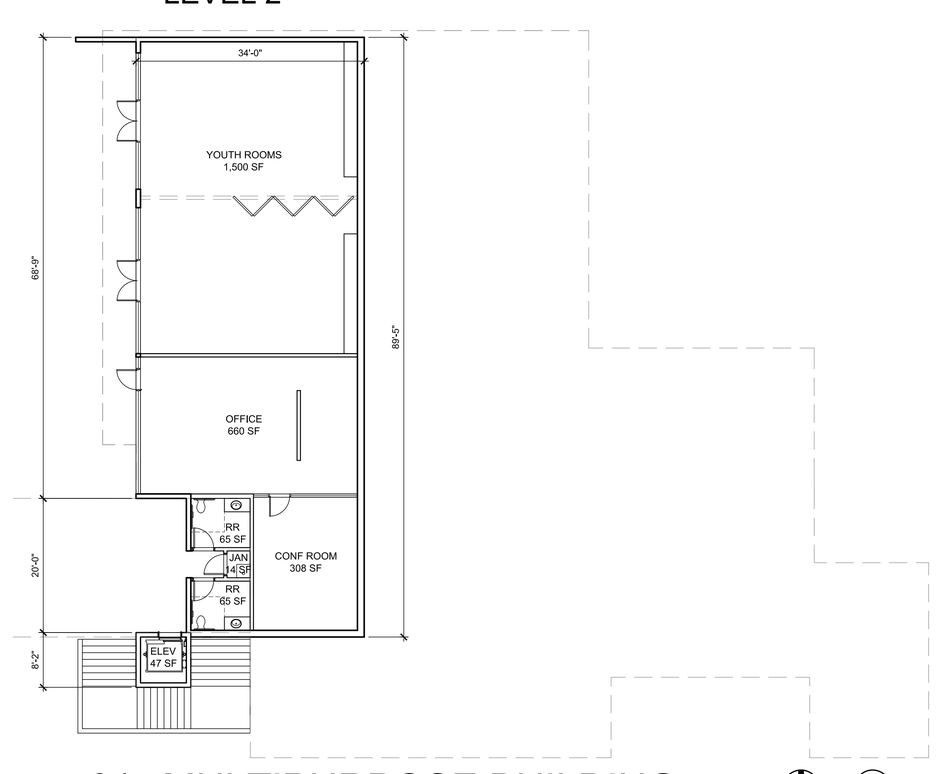
= 03 = CHURCH
LEVEL 1

SCALE 3/32" = 1'-0" — SHEET NORTH — TRUE NORTH



= 02 = MULTIPURPOSE BUILDING
LEVEL 2

SCALE 3/32" = 1'-0" — SHEET NORTH — TRUE NORTH



= 01 = MULTIPURPOSE BUILDING
LEVEL 1

SCALE 3/32" = 1'-0" — SHEET NORTH — TRUE NORTH

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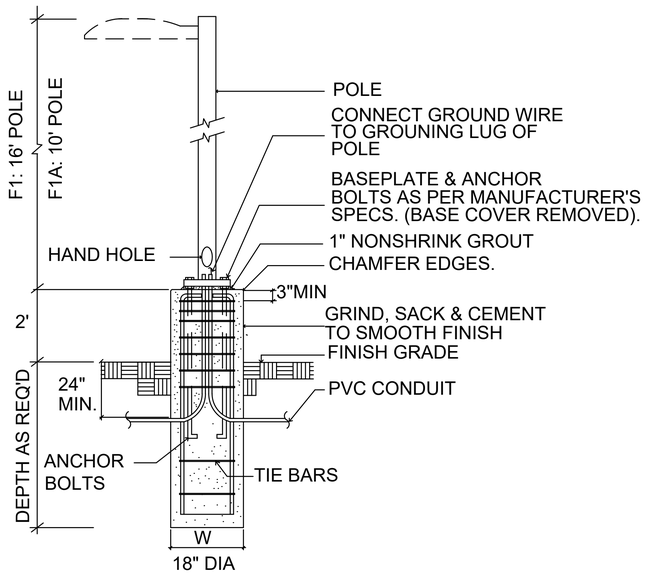
SANTA CLARA, CA

☐ 2216-VCA-SRC
☐ 12.09.22
☐

☐ FLOOR AREA RATIO
☐ A6
☐ ENTITLEMENTS

TYP. POLE DETAIL



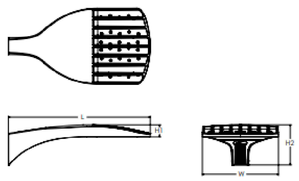
FIXTURES

D-Series Size 0
LED Area Luminaire

d^series

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)

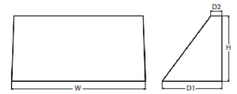


FIXTURE "F1"/"F1A"

WDGE3 LED
Architectural Wall Sconce

Specifications

Depth (D1):	8"
Depth (D2):	1.5"
Height:	9"
Width:	18"
Weight: (without options)	19.5 lbs

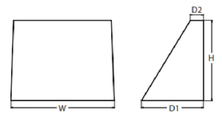


FIXTURE "F2"

WDGE2 LED
Architectural Wall Sconce
Precision Refractive Optic

Specifications

Depth (D1):	7"
Depth (D2):	1.5"
Height:	9"
Width:	11.5"
Weight: (without options)	13.5 lbs



FIXTURE "F3"

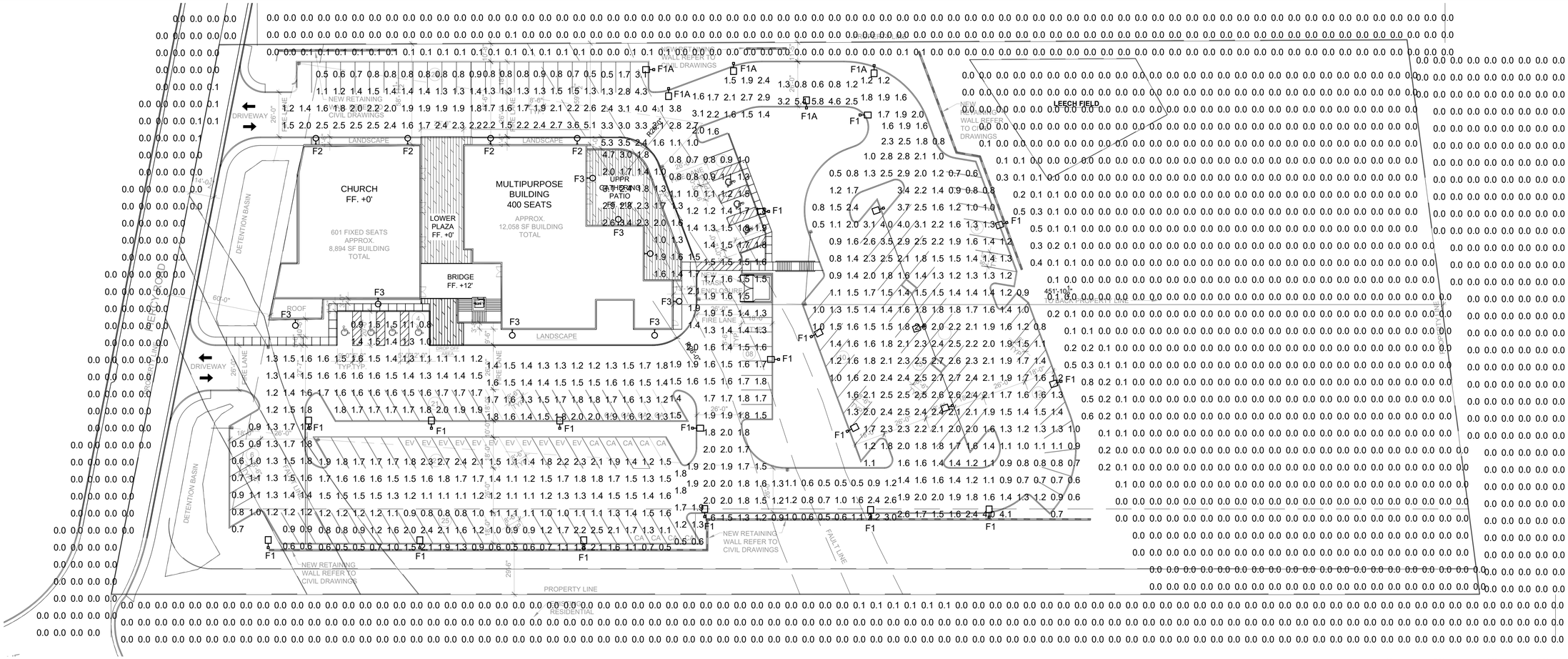
LIGHTING STATISTICS

Statistics

Description	Avg	Max	Min	Max/Min	Avg/Min
PARKING	1.7 fc	5.8 fc	0.5 fc	11.6:1	3.3:1
PLAZA LTG	2.0 fc	4.7 fc	1.0 fc	4.7:1	2.0:1
SPILL EAST PL	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
SPILL NORTH PL	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
SPILL STREET SIDE	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
SPILL WEST PL	0.0 fc	0.1 fc	0.0 fc	N/A	N/A

LIGHTING FIXTURES

TYPE	DESCRIPTION	POLE HT	BASE	MANUFACTURER	PART. NO.
F1	POLE MOUNTED LIGHT FIXTURE/4"SQ. POLE	16'	2' BASE	LITHONIA LIGHTING	DSX0
F1A	POLE MOUNTED LIGHT FIXTURE/4"SQ. POLE	10'	2' BASE	LITHONIA LIGHTING	DSX0
F2	WALL MOUNTED	-	N/A	LITHONIA LIGHTING	WDGE3
F3	WALL MOUNTED	0.0 fc	N/A	LITHONIA LIGHTING	WDGE2



= 01 = SITE PLAN PHOTOMETRIC

Scale: 1" = 30'-0"

NORTH

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SOUTHRIDGE CHURCH
NEW CHURCH PROJECT

PIERCY ROAD AND TENNANT AVE
SANTA CLARA, CA

2216-VCA-SRC
03.01.2023

Parviz Ebrahimi, Inc.
Consulting Electrical Engineers
25101 THE OLD ROAD
SANTA CLARITA, CALIFORNIA 91381
tel. : (818) 991-7371
email:peinc.info@earthlink.net

SITE PLAN PHOTOMETRIC

E1

ENTITLEMENTS

SOUTHRIDGE CHURCH SANTA CLARA, CALIFORNIA
NEW CHURCH PROJECT

JVC ARCHITECTS

WWW.JVCARCHITECTS.NET

RENDER -SOUTH VIEW

03.07.23

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 SFB PROJECT NO. 538-3 AND DATED FEBRUARY 10, 20112 THIS 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 OF THE COUNTY.
2. 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.
3. 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 APPROVAL.
4. 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 JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR.
5. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA.
6. 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.
7. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
8. 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.
9. 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 (408) 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).
10. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
11. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

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. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB.
2. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR.
3. 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 BEGINNING OF THE WORK.
4. 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.
5. IN ACCORDANCE WITH THE CALIFORNIA PROFESSIONAL LAND SURVEYORS' ACT (BUSINESS AND PROFESSIONS CODE) CHAPTER 15 SECTIONS 8771 AND 8725.1, CALIFORNIA PENAL CODE 605, AND CALIFORNIA GOVERNMENT CODE 27581, ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING ROADWAY/STREET MONUMENT, PROPERTY CORNER, OR ANY OTHER PERMANENT SURVEYED MONUMENT AND/OR AS SHOWN ON THIS TENTATIVE MAP SHALL ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE OCUNTY SURVEYOR OFFICE PRIOR TO DISTURBING SAID MONUMENTS. ALL DISTURBED OR DESTROYED MONUMENTS SHALL BE RESET AND FILED IN COMPLIANCE WITH SECTION 8771.

CONSTRUCTION INSPECTION

1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
2. THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION.
3. 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.
4. 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.
5. THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR COMMENCEMENT OF THE BUILDING FOUNDATION.

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:
A) TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO PUBLIC USE)
B) FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION.

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.
2. 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.
3. 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.
4. 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.
5. 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 WAIVED.
6. BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.

REVISED 11-26-14

RETAINING WALLS

1. 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.
2. SEGMENTAL BLOCK 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, 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 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY. EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION OF MOISTURE.
2. EXCESS CUT MATERIAL SHALL NOT BE SPREAD OR STOCKPILED ON THE SITE.
3. SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) THICK LAYER COMPACTED TO WITHSTAND WEATHERING IN THE AREA(S) DELINEATED ON THE PLAN.
4. 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.
6. MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL.

LOCATION	CUT (C.Y.)	FILL (C.Y.)	VERT. DEPTH
BUILDING (MULTI-USE)	±0	±2,331	0/±14.8
BUILDING (FUTURE CHURCH)	±0	±1,411	0/±8.8
PARKING LOT	±10,916	±1,182	±11.7/±7.3
LANDSCAPING	±2,584	±247	±10.5/±8.8
POND	±456	±484	±8.1/±7
TOTAL	±13,956	±5,655	

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

7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
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.
14. TOTAL DISTURBED AREA FOR THE PROJECT 152,181 SF.
15. WDID NO.______________________.
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 FOLLOWING:
   A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE OF THE TREE OR GROVE OF TREES.
   B. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION.
   C. FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES.
   D. 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 OCCUPANCY.
2. 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

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).
2. 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.
3. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.
4. 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.
5. 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 IMPROVEMENTS, ETC..

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.
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

1. 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 INSPECTOR.

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
4. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
5. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
6. 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)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.
7. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
8. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.
9. 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 APPLICABLE AGENCY IF REQUIRED.
A. 15 MILES PER HOUR (MPH) SPEED LIMIT
B. 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES
C. 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 APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH.
12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SD8.
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 CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
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 INSPECTION OFFICE.
16. THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR.
17. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION 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 CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT, CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, AND WASTE INTO THE SANTA CLARA COUNTY RIGHT-OF-WAY, STORM SEWER WATERWAYS, ROADWAY INFRASTRUCTURE. BMPS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING;
A. PREVENTION 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 THE PUBLIC ROAD RIGHT-OF-WAY.
C. PREVENTION OF DISCHARGE OF WATER RUN-OFF DURING DRY AND WET WEATHER CONDITIONS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
18. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES 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 ROAD RIGHT-OF-WAY.
19. EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A 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 EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

STORM DRAINAGE AND STORMWATER MANAGEMENT

1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS 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 PERMIT CAS612008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CAS000004/ ORDER NO. 2013-0001-DWQ.
2. 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 500 ANGLE CURB LINE TO ACCEPT WATER OR AS SHOWN ON THE PLANS.
3. WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SWALE OR TO AN OPEN AREA FOR SHEET FLOW.
4. UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES.
5. THE COUNTY SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS AND STORMWATER MANAGEMENT FEATURES PRIOR TO BACKFILL.

AS-BUILT PLANS STATEMENT

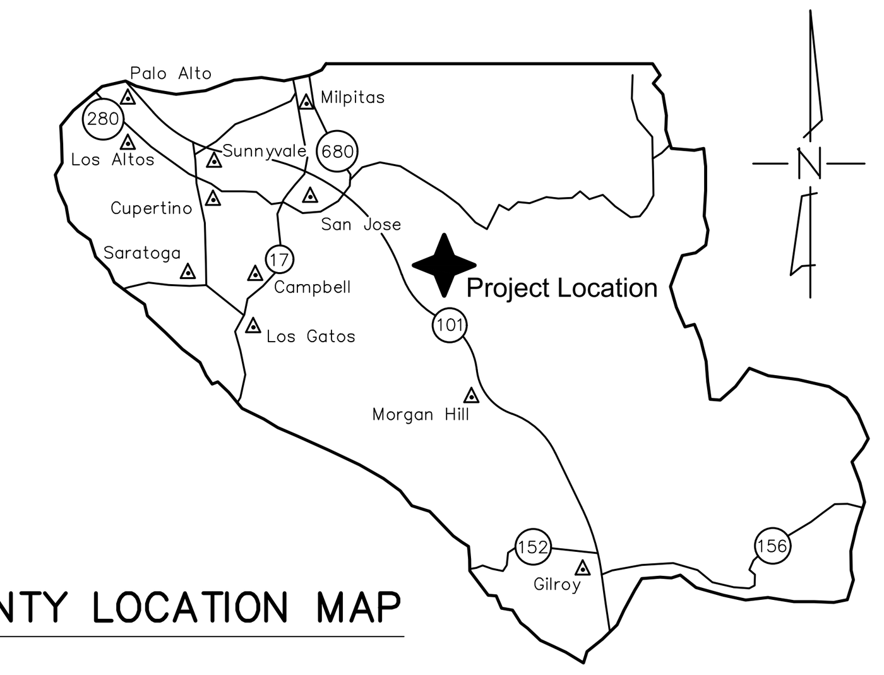
THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (___ WERE) (___ WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (^). THERE (___WERE) (___ WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL △.

DATE________________ SIGNATURE ________________________

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPYOF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTERCONSTRUCTION.

GEOTECHNICAL ENGINEER OBSERVATION

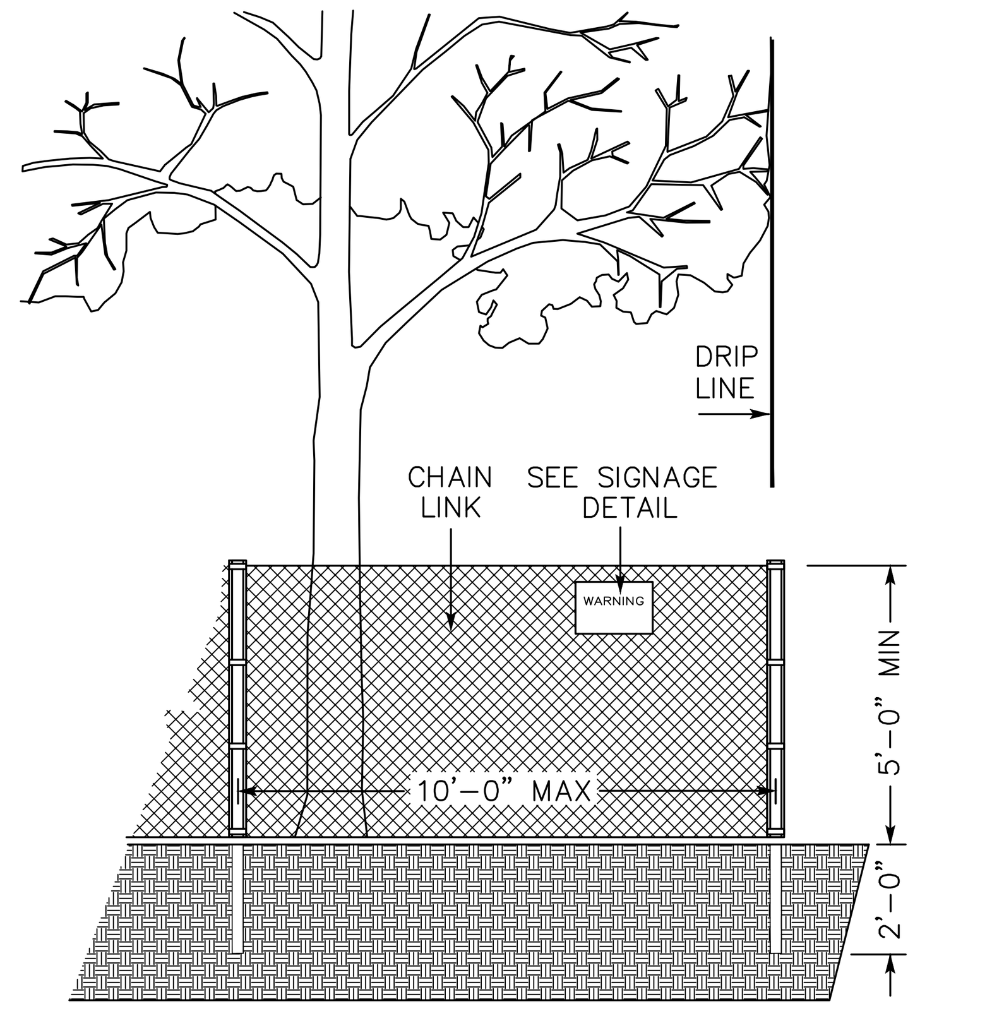
1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION 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.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, STAKE, AND FLAG 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 THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR'S OFFICE PRIOR TO DISTURBING SAID MONUMENTS AND RESET PERMANENT 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

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. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION SHALL BE INCORPORATED INTO THE GRADING PLANS.
2. FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN-LINK OR EQUIVALENT STRENGTH/ DURABILITY).
3. FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART.
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.

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.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

ENGINEER'S STATEMENT

I HEARBY 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.

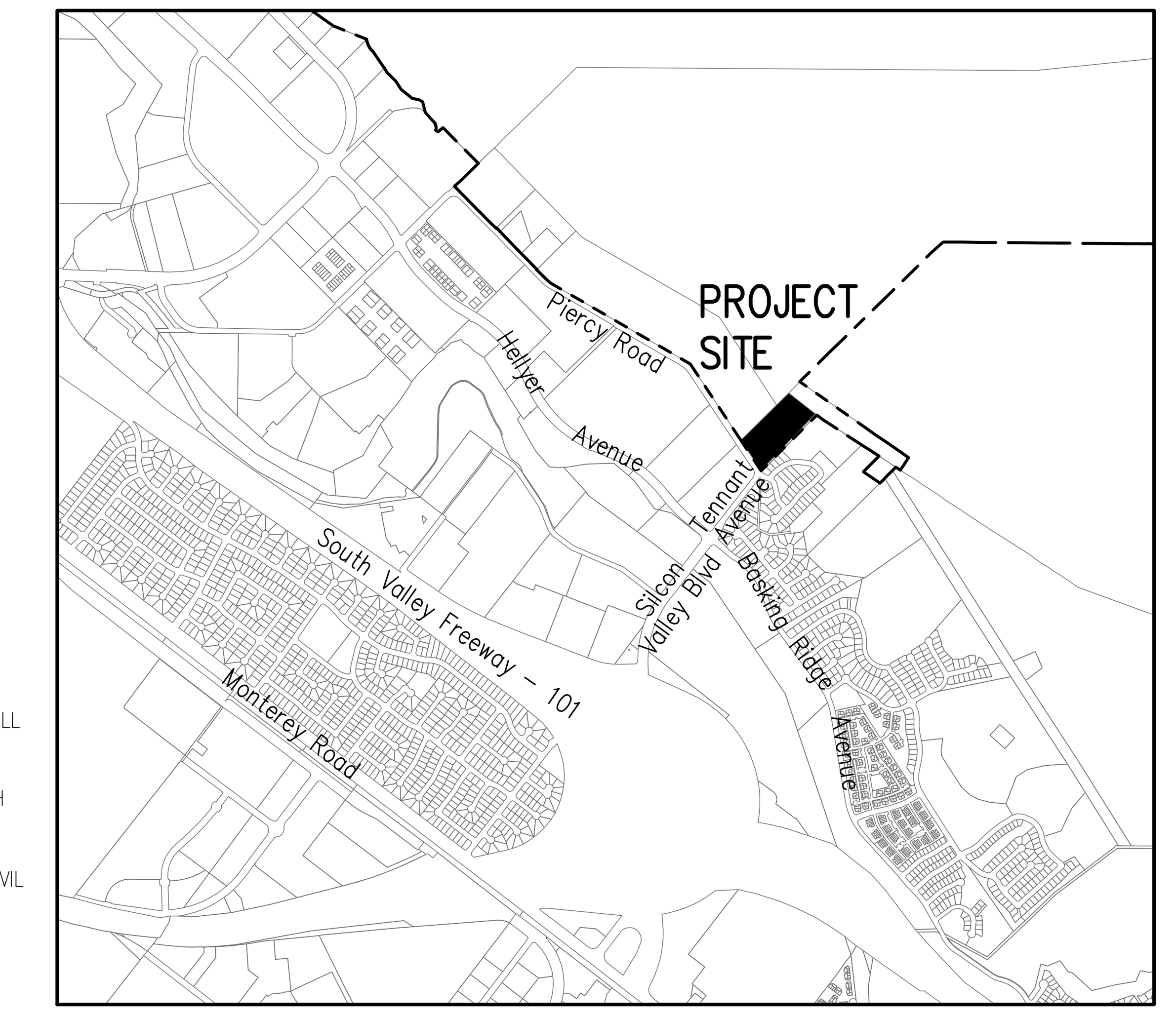
DATE __________ __________ 69278 R.C.E. NO.

REGISTERED PROFESSIONAL ENGINEER · AMANDA JOY MUSY-VERDEL · NO. 69278 · CIVIL · STATE OF CALIFORNIA

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 BE MADE.

DATE __________ __________
DARRELL K.H. WONG
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.
2. CLEAR AND GRUB BUILDING PAD AND DRIVEWAY.
3. BUILDING PAD AND DRIVEWAY GRADING.
4. CONSTRUCT DRIVEWAY
5. INSTALL SEPTIC TANK AND SEPTIC PUMP
6. INSTALL LEACHFIELD
7. CONSTRUCT RETAINING WALL
8. INSTALL WATER METER
9. 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.

SHEET INDEX

ENGINEER'S NAME: HANNA & BRUNETTI
ADDRESS: 7651 EIGLEBERRY 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

MARCH 2023 NO SCALE

Revision 1	Date	APN 678-13-012	Sheet 1 of 10
Revision 2	Date		
Revision 3	Date	Co. File X	

APPLICANT: SOUTHRIDGE CHURCH ROAD: PIERCY ROAD COUNTY FILE NO.: JOB NO. 21087

BENCHMARK:

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

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

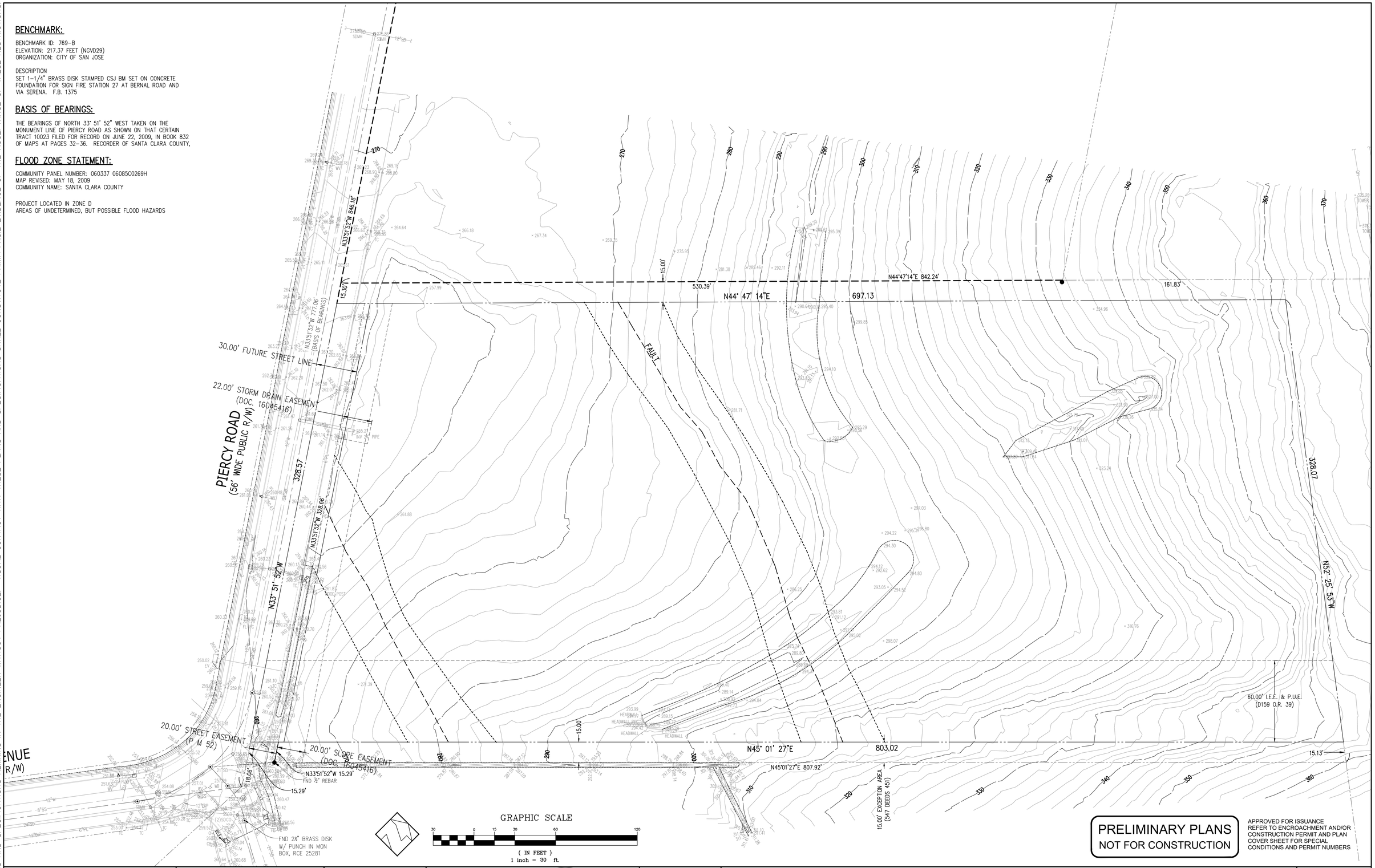
BASIS OF BEARINGS:

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 # _____
SHEET _____ OF _____

REVISIONS:

DATE	DESCRIPTION	BY:

HANNA-BRUNETTI
EST 1970
CIVIL ENGINEERS • LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
EMAIL: ENGINEERING @ HANNABRUNETTI.COM

DATE: MARCH 2023
HORIZ. SCALE: 1"=30'
VERT. SCALE: NONE
DESIGNED BY: AM
CHECKED BY: _____
DRAWN BY: T.M.

date: _____
Hanna – Brunetti

Amanda Joy Musy–Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEZ
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Topographic Survey

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

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

SHEET 2 OF 10

JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH

ROAD: PIERCY ROAD

COUNTY FILE NO.:

JOB NO. 21087

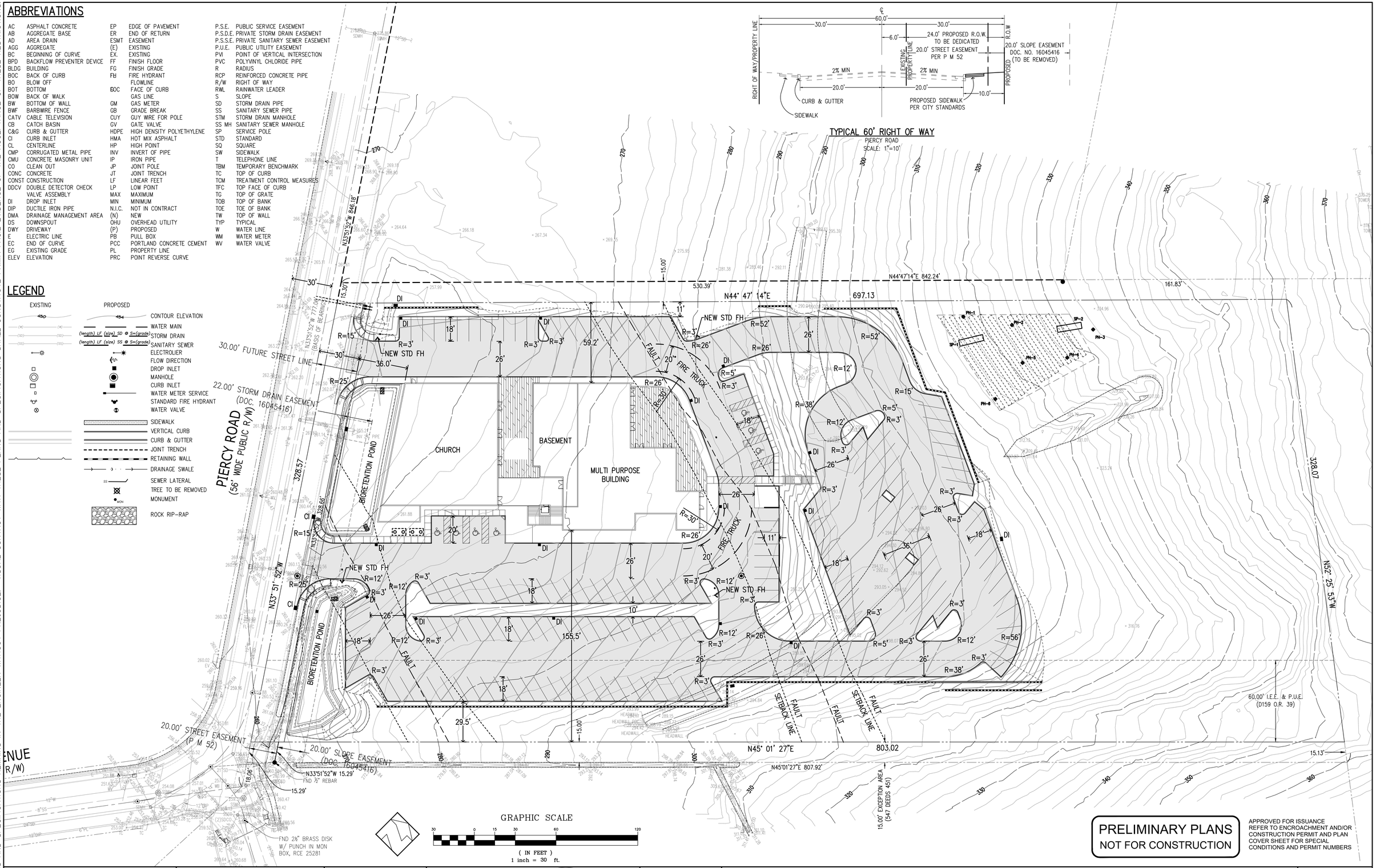
ABBREVIATIONS

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	ESMT	EASEMENT	P.S.S.E.	PRIVATE SANITARY SEWER EASEMENT
AGG	AGGREGATE	(E)	EXISTING	P.U.E.	PUBLIC UTILITY EASEMENT
BC	BEGINNING OF CURVE	EX.	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
BO	BLOW OFF		FLOWLINE	R/W	RIGHT OF WAY
BOT	BOTTOM	FOC	FACE OF CURB	RWL	RAINWATER LEADER
BOW	BACK OF WALK		GAS LINE	S	SLOPE
BW	BOTTOM OF WALL	GM	GAS METER	SD	STORM DRAIN PIPE
BWF	BARBWIRE 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	T	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
	VALVE ASSEMBLY	MAX	MAXIMUM	TG	TOP OF GRATE
DI	DROP INLET	MIN	MINIMUM	TOB	TOP OF BANK
DIP	DUCTILE IRON PIPE	N.I.C.	NOT IN CONTRACT	TOE	TOE OF BANK
DMA	DRAINAGE MANAGEMENT AREA	(N)	NEW	TW	TOP OF WALL
DS	DOWNSPOUT	OHU	OVERHEAD UTILITY	TYP	TYPICAL
DWY	DRIVEWAY	(P)	PROPOSED	W	WATER LINE
E	ELECTRIC LINE	PB	PULL BOX	WM	WATER METER
EC	END OF CURVE	PCC	PORTLAND CONCRETE CEMENT	WV	WATER VALVE
EG	EXISTING GRADE	PL	PROPERTY LINE		
ELEV	ELEVATION	PRC	POINT REVERSE CURVE		

LEGEND

EXISTING / PROPOSED

- CONTOUR ELEVATION
- WATER MAIN
- (length) LF (size) SD @ S=(grade) STORM DRAIN
- (length) LF (size) SS @ S=(grade) SANITARY SEWER
- ELECTROLIER
- FLOW DIRECTION
- DROP INLET
- MANHOLE
- CURB INLET
- WATER METER SERVICE
- STANDARD FIRE HYDRANT
- WATER VALVE
- SIDEWALK
- VERTICAL CURB
- CURB & GUTTER
- JOINT TRENCH
- RETAINING WALL
- DRAINAGE SWALE
- SEWER LATERAL
- TREE TO BE REMOVED
- MONUMENT
- ROCK RIP-RAP



TYPICAL 60' RIGHT OF WAY
PIERCY ROAD
SCALE: 1"=10'

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

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. 1910
CIVIL ENGINEERS • LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
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Hanna – Brunetti

Amanda Joy Musy–Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEL
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Site Plan

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

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

SHEET 3 OF 10

JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH | ROAD: PIERCY ROAD | COUNTY FILE NO.: | JOB NO. 21087

PLAN # _____
SHEET _____ OF _____

PIERCY ROAD
(56' WIDE PUBLIC R/W)

N33°51'52"W 328.66'
328.57
15.30'
N33°51'52"W 15.29'
18.06'
15.29'
530.39'
15.00'
N44° 47' 14"E 697.13
N44°47'14"E 842.24'
N45° 01' 27"E 803.02
N45°01'27"E 807.92'

PROPOSED BASEMENT
FF 266.75

CHURCH
FF 266.75
PAD 265.75

PROPOSED MULTI-PURPOSE BUILDING
FF 278.75
PAD 277.75

BIORETENTION POND
TREATMENT AREA 3,310 SF
TOP OF BANK 263.0
POND BOTTOM 261.0
HIGH WATER 262.0

BIORETENTION POND
TREATMENT AREA 1,570 SF
TOP OF BANK 263.4
POND BOTTOM 261.4
HIGH WATER 262.4

CONSTRUCT RETAINING WALL
CONSTRUCT DROP INLET OVER EX 24" SD PIPE
PROVIDE 3'x5' ROCK RIP-RAP; 4-6" DIA ROCK SIZE 2 COURSES
REMOVE EXISTING CONCRETE AND REPLACE WITH CITY STANDARD SIDEWALK
2:1 SLOPE OR FLATTER TYPICAL
DRAIN SWALE

EX FIRE HYDRANT
EX 12" WATER MAIN
EX 24" STORM DRAIN
EX 24" SD
21" SD
12" DIP

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

(EXCEPTION AREA DEEDS 451)

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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. 1910
CIVIL ENGINEERS • LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
EMAIL: ENGINEERING @ HANNABRUNETTI.COM

DATE: MARCH 2023
HORIZ. SCALE: 1"=20'
VERT. SCALE: NONE
DESIGNED BY: AM
CHECKED BY: _____
DRAWN BY: T.M.

date: _____
Hanna – Brunetti

Amanda Joy Musy–Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEZ
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Preliminary Grading & Drainage Plan

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

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

SHEET 4 OF 10

JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH

ROAD: PIERCY ROAD

COUNTY FILE NO.:

JOB NO. 21087

PIERCY ROAD
(56' WIDE PUBLIC R/W)

PROVIDE (2) WATER METERS W/BACKFLOW PREVENTERS. (DOMESTIC & IRRIGATION)

PROVIDE DOUBLE DETECTOR CHECK VALVE ASSEMBLY

DI (2x3) TG 257.4± INV 255.7

DI (2x2) TG 263.6± INV 261.5

102 LF 12" SD @ S=0.005

DI (2x2) TG 265.0± INV 262.0

139 LF 12" SD @ S=0.074

6" WATER MAIN

97 LF 18" SD @ S=0.005

80 LF 12" SD @ S=0.005

INV 261.2

EX SD MANHOLE

EX 12" WATER MAIN

EX 18" STORM DRAIN

EX 24" STORM DRAIN

EX 24" SD

DI(2x3) TG 262.0 INV 255.05±

CONSTRUCT DROP INLET OVER EX 24" SD PIPE INV 255.05±

BIORETENTION POND
TREATMENT AREA 3,310 SF
TOP OF BANK 263.0
POND BOTTOM 261.0
HIGH WATER 262.0

EX FIRE HYDRANT

CURB INLET TG 260.2± INV 257.0

328.57

N33°51'52"W 328.66'

INV 261.2

PUMP TANK SEPTIC TANK

4" SS

CO

DI (2x2) TG 266.8± INV 264.0

120 LF 12" SD @ S=0.023

DI (2x2) TG 262.8± INV 261.3

SANITARY SEWER FORCE MAIN TO LEACHFIELD

10.0'

7.0'

6" WATER MAIN

326 LF 18" SD @ S=0.054

EX SD MANHOLE

EX CURB INLET

45 LF 12" SD @ S=0.027

N33° 51' 52"W

SD MH RIM 260.2± INV 255.8±

23 LF 12" SD S=0.052

16 LF 12" SD S=0.062

CURB INLET TG 260.1± INV 257.0

INV 261.4

23 LF 12" SD S=0.0087

DI(2x2) TG 262.4± INV 258.0

DI (2x2) TG 263.4± INV 261.6

39 LF 12" SD S=0.062

DI (2x2) TG 267.7± INV 264.0

101 LF 12" SD @ S=0.069

DI (2x2) TG 274.6± INV 271.0

122 LF 12" SD @ S=0.057

BIORETENTION POND
TREATMENT AREA 1,570 SF
TOP OF BANK 263.4
POND BOTTOM 261.4
HIGH WATER 262.4

N33°51'52"W 15.29'

15.29'

18.06'

N33°51'52"W

15.00'

530.39'

N44° 47' 14"E

697.13

N44°47'14"E 842.24'

FH

WV

DI (2x2) TG 278.8± INV 272.3

34 LF 12" SD S=0.015

DI (2x2) TG 276.8± INV 272.8

87 LF 12" SD @ S=0.023

DI (2x2) TG 287.4± INV 284.0

43 LF 12" SD S=0.023

TRASH ENCLOSURE

DI (2x2) TG 277.7± INV 274.7

62 LF 12" SD @ S=0.13

DI (2x2) TG 288.8± INV 283.0

193 LF 18" SD @ S=0.106

DI (2x3) TG 302.9± INV 294.0

SD MH RIM 280.1± INV 273.5

DI (2x2) TG 282.0± INV 278.0

54 LF 12" SD S=0.093

DI (2x2) TG 286.8± INV 283.0

47 LF 12" SD S=0.085

DI (2x3) TG 289.2± INV 282.0

HEADWALL 294.17
HEADWALL BOT 289.15
2.39 CORR 294.42
HEADWALL 295.20
HEADWALL

15.00'

N45° 01' 27"E

803.02

N45°01'27"E 807.92'

SEPTIC DESIGN:
BIOSPHERE CONSULTING
1315 KING STREET
SANTA CRUZ, CA 95060
831 430-9116
JOB NO. 22021

PH-1
PH-2
PH-3
PH-4
PH-5
PH-6
SP-1
SP-2

LEGEND
FLOW DIRECTION

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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:

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Amanda Joy Musy–Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEZ
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Preliminary Utility Plan

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

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

SHEET 5 OF 10

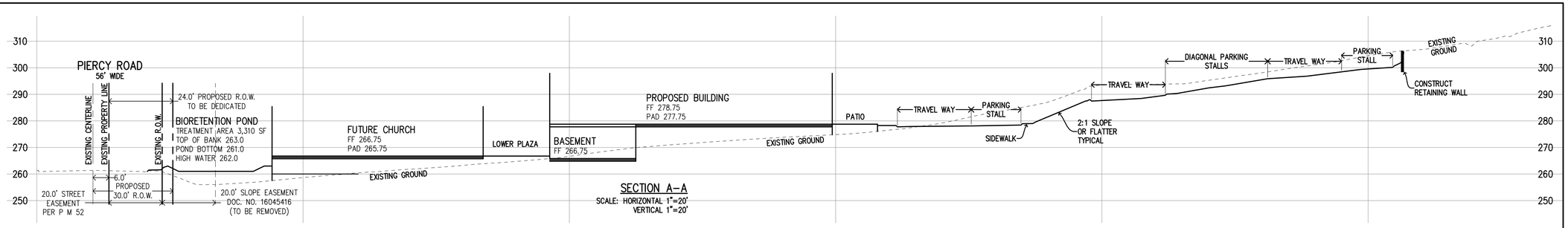
JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH

ROAD: PIERCY ROAD

COUNTY FILE NO.:

JOB NO. 21087



SECTION A–A
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=20'

PROJECT NOTES:

1. 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.
2. '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.'
3. NO TREES ARE TO BE REMOVED
4. PRIOR TO GRADING COMPLETION AND RELEASE OF BOND, ALL GRADED AREAS SHALL BE RESEEDED 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.
5. 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.
6. 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, APPROPIATE MITIGATION MEASURES SHALL BE FORMULATED AND IMPLEMENTED.
7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
9. 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.
10. IN THE EVENT THAT HUMAN SKELETAL REMAINS ARE ENCOUNTERED, THE APPLICANT IS REQUIRED BY COUNTY ORDINANCE NO. B6-18 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 (c) 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.
11. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
12. UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%.
13. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION.
14. 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.
15. AN APPROVED RESIDENTIAL FIRE SPRINKLER SYSTEM COMPLYING WITH FIRE MARSHAL STANDARD CFMO-SP6 IS REQUIRED TO BE INSTALLED THROUGHOUT THE STRUCTURE.
16. ALL NEW ON-SITE UTILITIES, MAINS AND SERVICES SHALL BE PLACED UNDERGROUND AND EXTENDED TO SERVE THE PROPOSED RESIDENCE.
17. 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.
18. 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, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NOTE:

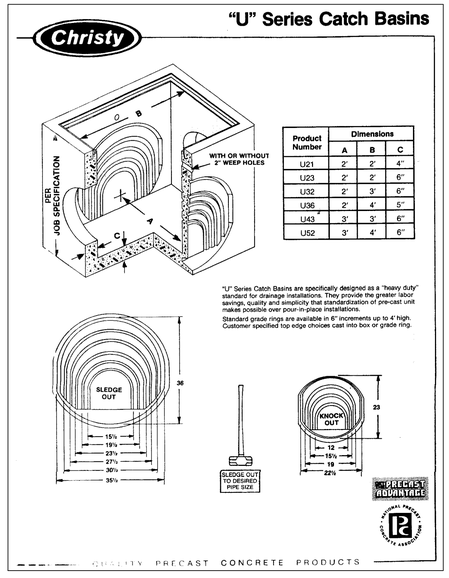
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKER'S DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

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:

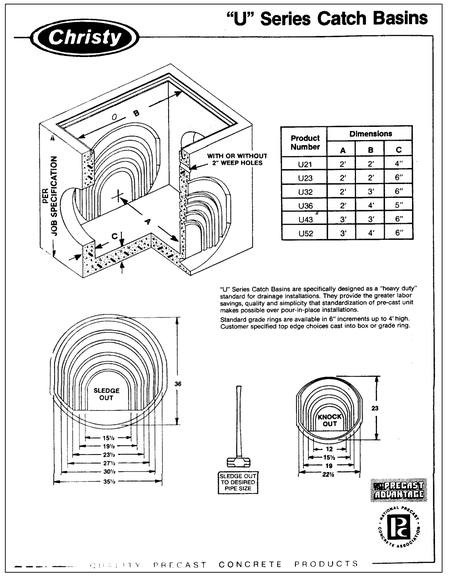
CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION OF BUILDING PAD, THE STRUCTURAL SECTION OF FOUNDATION TO DETERMINE BUILDING PAD ELEVATION.

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



Product Number	Dimensions		
	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"

"U" Series Catch Basins are specifically designed as a "heavy duty" standard for drainage installations. They provide the greater labor savings, quality and simplicity that standardization of pre-cast unit makes possible over pour-in-place installations.
Standard grade rings are available in 6" increments up to 4' high. Customer specified top edge choices cast into box or grade ring.



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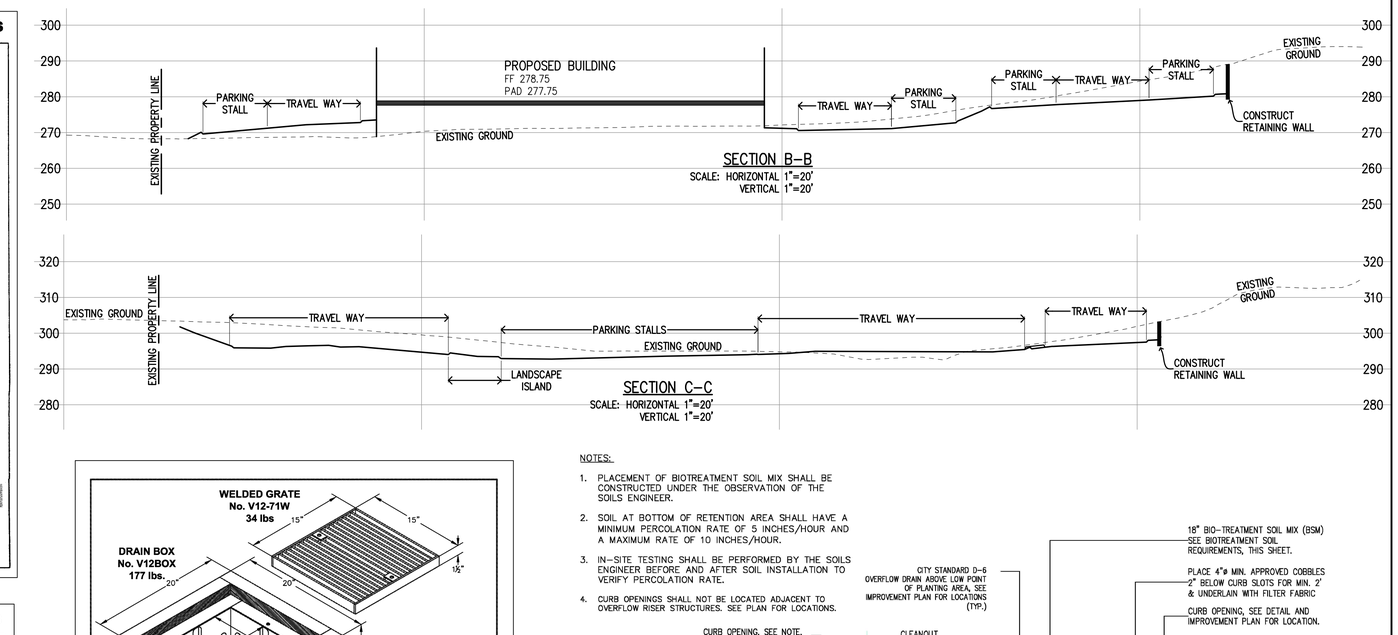
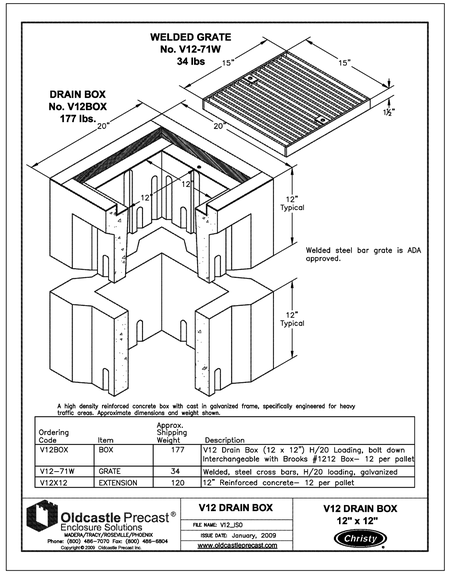


SECTION B–B
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=20'

SECTION C–C
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=20'



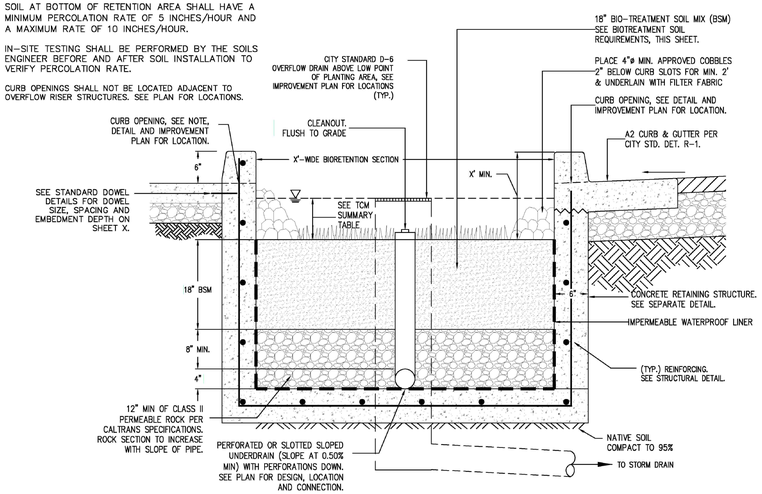
Ordering Code	Item	Approx. Shipping Weight	Description
V12BOX	BOX	177	V12 Drain Box (12 x 12") H/20 Loading, bolt down interchangeable with Brooks #1212 Box– 12 per pallet
V12–71W	GRATE	34	Welded, steel cross bars, H/20 loading, galvanized
V12X12	EXTENSION	120	12" Reinforced concrete– 12 per pallet

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 SEPERATED PERMIT SHALL BE REQUIRED.

NOTES:

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



X

BIORETENTION DETAIL ATTACHED OR DETACHED SIDEWALK
NO PARKING - SIDEWALK ADJACENT TO BASIN

PRELIMINARY PLANS
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PLAN # ____
SHEET ____ OF ____

REVISIONS:

DATE	DESCRIPTION	BY:

HANNA-BRUNETTI
EST. 1910
CIVIL ENGINEERS • LAND SURVEYORS
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DATE: MARCH 2023
HORIZ. SCALE: AS SHOWN
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DESIGNED BY: AM
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DRAWN BY: T.M.

date: ____
Hanna – Brunetti

Amanda Joy Musy–Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEL
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Notes, Sections & Details

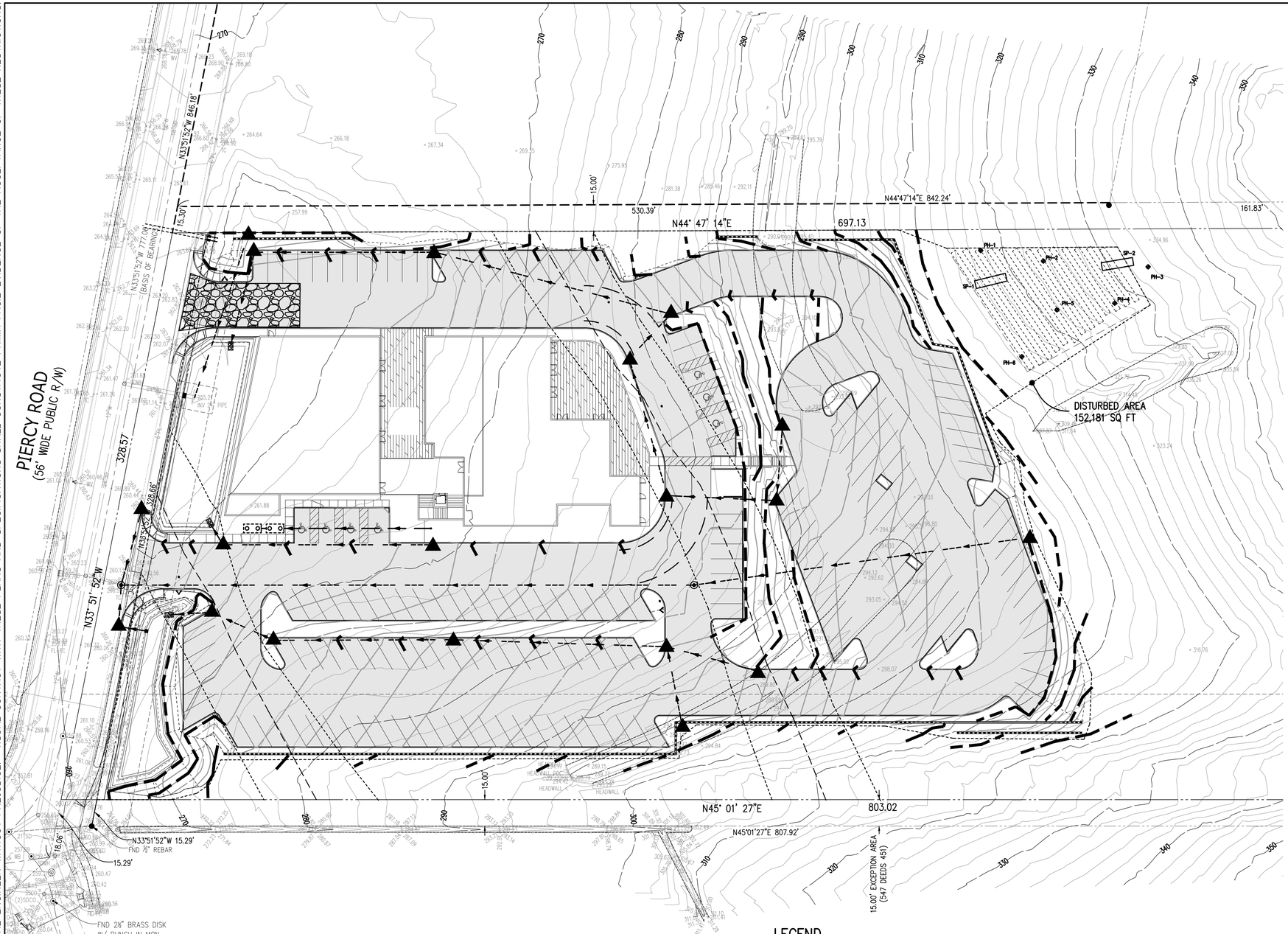
Lands of Southridge Church - Piercy Road - apn 678-13-012

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

SHEET 6 OF 10
JOB NO. 21087

APPLICANT: SOUTHRIDGE CHURCH
ROAD: PIERCY ROAD
COUNTY FILE NO.:
JOB NO. 21087



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 INSTALL 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 EFFIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
10. IT IS THE RESPOSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPOSIBILE 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. CONTRATOR SHALL MAINATIN 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. F 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
CRIMSON CLOVER	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

PLAN # _____
SHEET _____ OF _____

REVISIONS:

DATE	DESCRIPTION	BY:

HANNA-BRUNETTI
EST 1919
CIVIL ENGINEERS • LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
EMAIL: ENGINEERING @ HANNABRUNETTI.COM

DATE: MARCH 2023
HORIZ. SCALE: 1"=20'
VERT. SCALE: NONE
DESIGNED BY: AM
CHECKED BY: _____
DRAWN BY: T.M.

date: _____
Hanna – Brunetti

Amanda Joy Musy-Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEL
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Erosion Control Plan

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

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

SHEET 7 OF 10

JOB NO. 21087

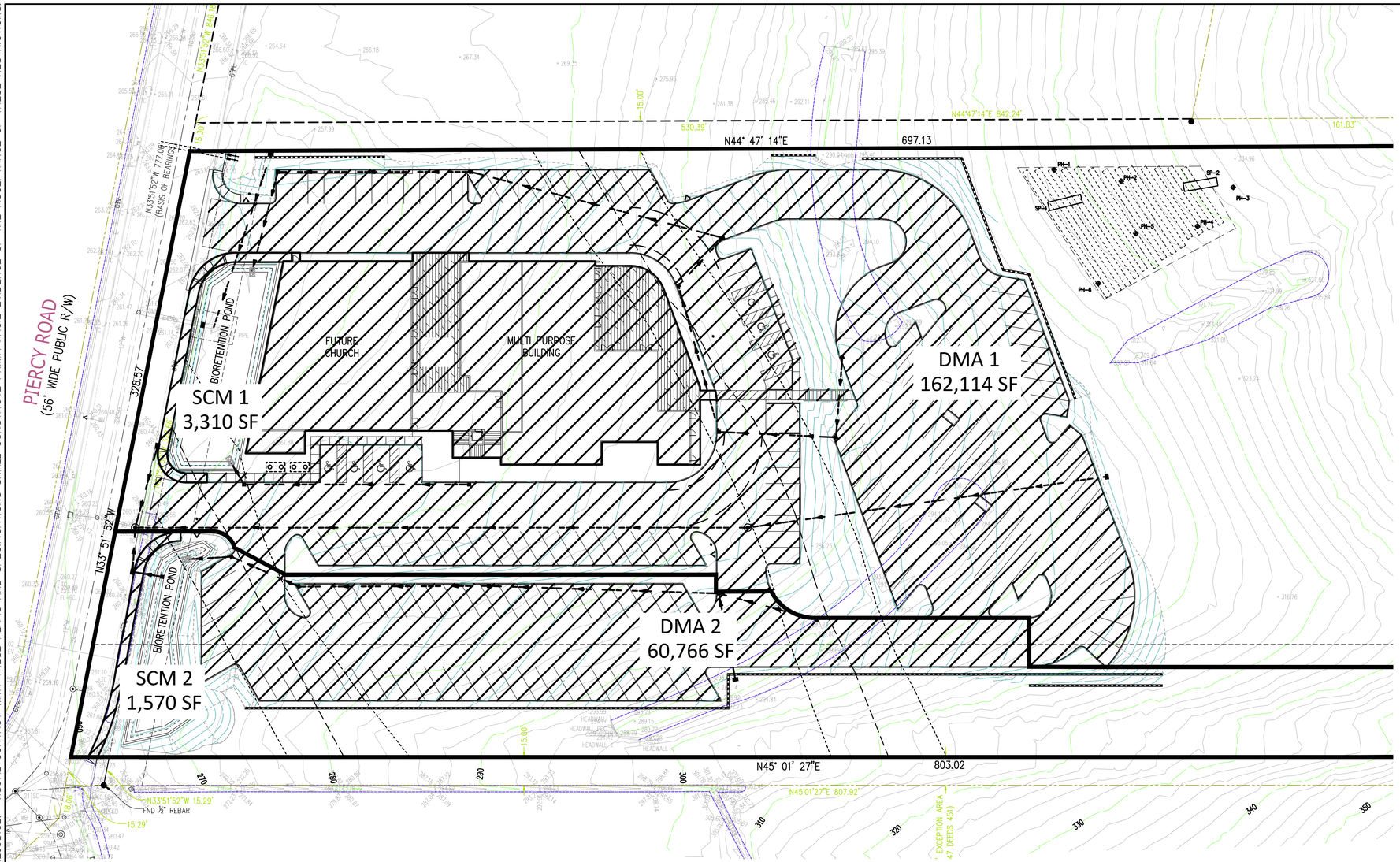
APPLICANT: SOUTHRIDGE CHURCH

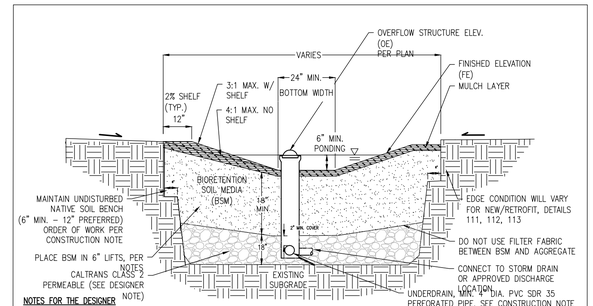
ROAD: PIERCY ROAD

COUNTY FILE NO.:

JOB NO. 21087

PLAN # _____
SHEET _____ OF _____





NOTES FOR THE DESIGNER

1. ADDITIONAL DESIGN GUIDANCE PROVIDED IN BIORETENTION TECHNICAL SPECIFICATIONS DOCUMENT.
2. 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 (IE. CURB CUTS, SIDEWALK UNDERDRAIN, WEIR, ETC.).
3. PROVIDE SPOT ELEVATIONS AT INLETS ON CIVIL PLANS (FE,OE, GIE, SIE), PER DETAIL 120.
4. SITE CONDITIONS WILL VARY FOR NEW AND RETROFIT PROJECTS. CURB, GUTTER, AND SIDEWALK DETAILS TO BE MODIFIED FOR PROJECT BY CIVIL AND GEOTECHNICAL ENGINEERS.
5. PROVIDE CAPPED, THREADED PVC CLEANOUT FOR UNDERDRAIN, 4" MIN. DIA. WITH SWEEP BEND.
6. PROVIDE MONITORING WELL IN EACH FACILITY, PER BIORETENTION TECHNICAL SPECIFICATIONS.
7. ON LONGITUDINAL SLOPE, USE CHECK DAMS (DETAILS 130–131)
8. 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.
9. BIORETENTION SOIL MEDIA (BSM) SPECIFICATION PER BIORETENTION TECHNICAL SPECIFICATIONS.
10. PLANT SELECTION PER BIORETENTION TECHNICAL SPECIFICATIONS.
11. MULCH PER BIORETENTION TECHNICAL SPECIFICATIONS.
12. LOCATE ENERGY DISSIPATION AS SPECIFIED IN INLET DETAILS, (120–123) – AVOID DECORATIVE USE.

CONSTRUCTION NOTES

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

LOW IMPACT DEVELOPMENT STORMWATER MANAGEMENT STANDARD DETAILS | detail number

Street Bioretention Facility

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

STREET BIORETENTION SWALE – NO PARKING WITH UNDERDRAIN N.T.S. (203)

203

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)	Proposed Area (square feet)	
		Replaced[1]	New[2]
Impervious Area			
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
d. Total new and replaced impervious area		104,579	
Pervious Area			
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
f. Percent of Replacement of Impervious Area in redevelopment projects (Replaced Total Impervious Area / Existing Total Impervious Area x 100%):			0 %

Table Footnotes:

[1] Proposed Replaced Impervious Surface: All impervious surfaces added to any area of the site that was a previously existing impervious surface.

[2] Proposed New Impervious Surface: All impervious surfaces added to any area of the site that was a previously existing pervious surface.

LEGEND

IMPERVIOUS AREA

DRAINAGE MANAGEMENT AREA DELINETAION

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	3,310
DMA 2	PARKING, LANDSCAPE	60,766	39,242	22,147	BIORETENTION POND	886	1,570

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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. 1892
CIVIL ENGINEERS • LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
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DATE: MARCH 2023
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DESIGNED BY: AM
CHECKED BY: _____
DRAWN BY: T.M.

date: Hanna – Brunetti

Amanda Joy Musy–Verdel
R.C.E. # 69278

REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEZ
NO. 69278
CIVIL
STATE OF CALIFORNIA

REFERENCES

Stormwater Control Plan

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

UNINCORPORATED
MARCH 2023

SANTA CLARA COUNTY
CALIFORNIA

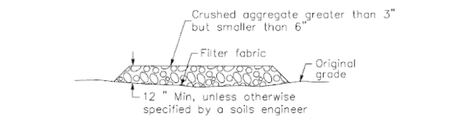
SHEET 8 OF 10

JOB NO. 21087

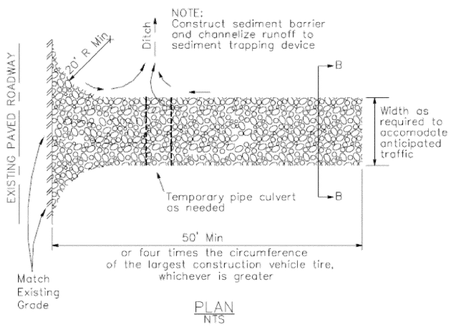
APPLICANT: SOUTHRIDGE CHURCH | ROAD: PIERCY ROAD | COUNTY FILE NO.: | JOB NO. 21087

3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



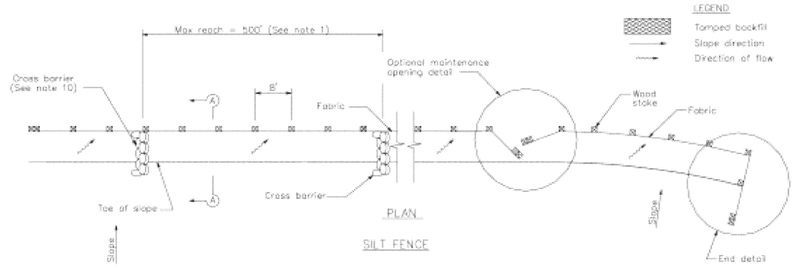
SECTION B–B
N.T.S.



PLAN
N.T.S.

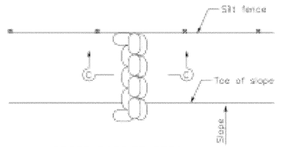
1 Silt Fence

CASQA Detail SE-1

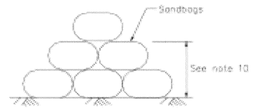


NOTES

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 barrier, in no case shall the reach length exceed 500'.
2. The last 8'–0" of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary to fit field condition.
5. Stakes shall be spaced at 8'–0" maximum and shall be positioned on downstream side of fence.
6. Stakes to overlap and fence fabric to fold around each stake are 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.
9. 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.
12. Joining sections shall not be placed at sump locations.
13. Sandbag rows and layers shall be offset to eliminate gaps.



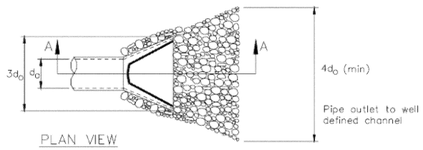
CROSS BARRIER DETAIL



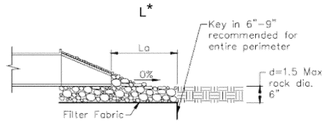
SECTION C–C

4 Velocity Dissipation Devices

CASQA Detail EC-10



PLAN VIEW

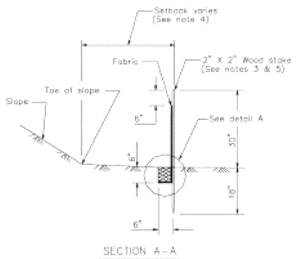


SECTION A–A

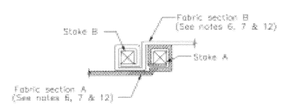
* Length per ABAG Design Standards

2 Silt Fence

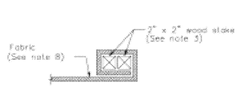
CASQA Detail SE-1



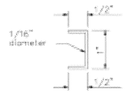
SECTION A–A



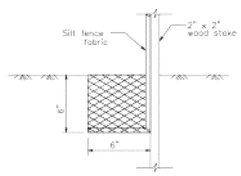
JOINING SECTION DETAIL (TOP VIEW)



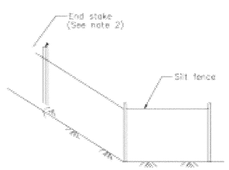
END STAKE DETAIL (TOP VIEW)



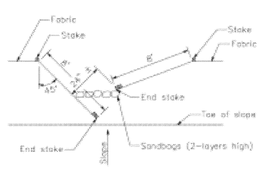
STAPLE DETAIL
(SEE NOTE 9)



DETAIL A



END DETAIL



OPTIONAL MAINTENANCE OPENING DETAIL
(SEE NOTE 11)

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

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 latest.
2. 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.
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. 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.
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.
7. 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.
8. 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.
9. 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.
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:

   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 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.

   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, ect.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
2. 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.
3. 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.
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.

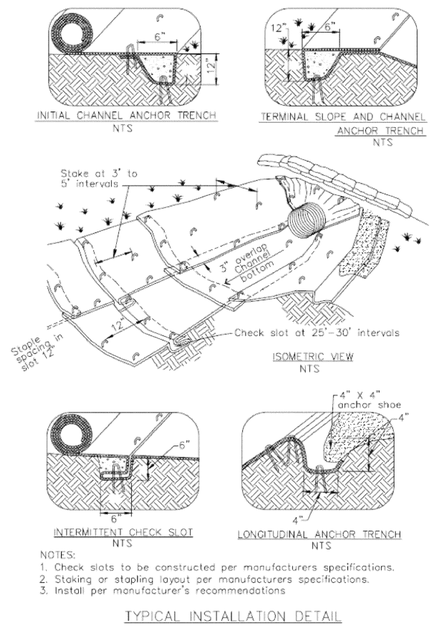
Project Information

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

BMP-1

7 Geotextiles and Mats

CASQA Detail EC-7

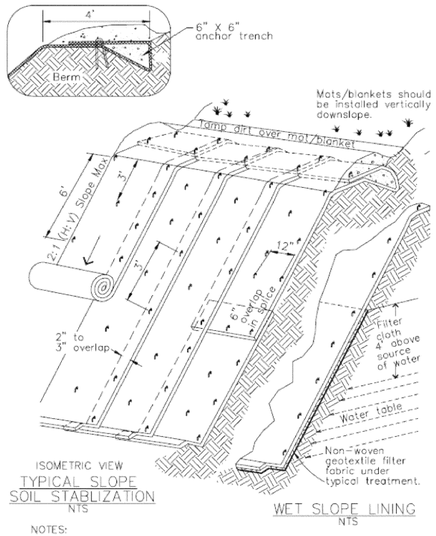


NOTES:
1. Check slots to be constructed per manufacturers specifications.
2. Staking or stapling layout per manufacturers specifications.
3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

5 Geotextiles and Mats

CASQA Detail EC-7

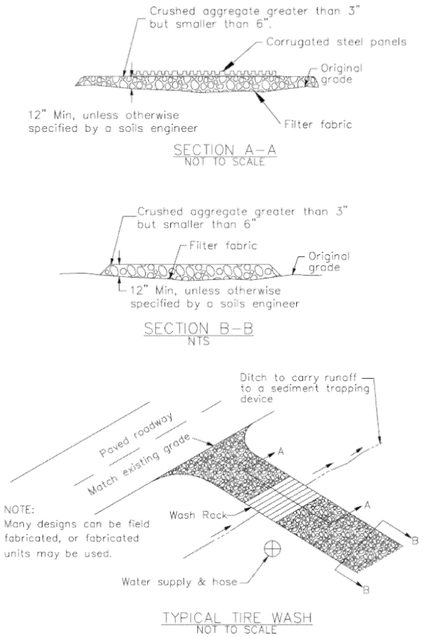


NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

3 Entrance/Outlet Tire Wash

CASQA Detail TC-3

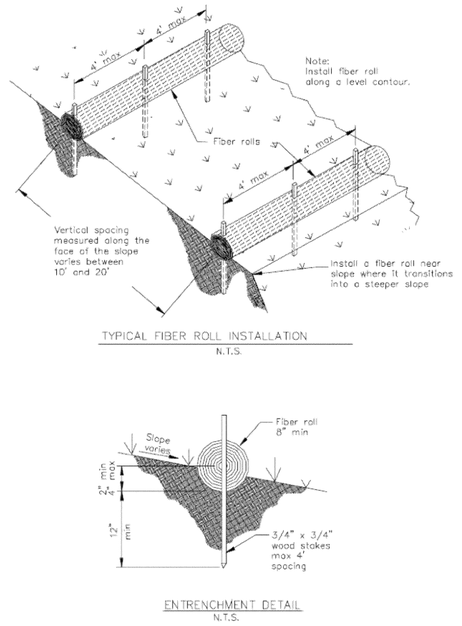


NOTE:
Many designs can be field fabricated, or fabricated units may be used.

TYPICAL TIRE WASH
NOT TO SCALE

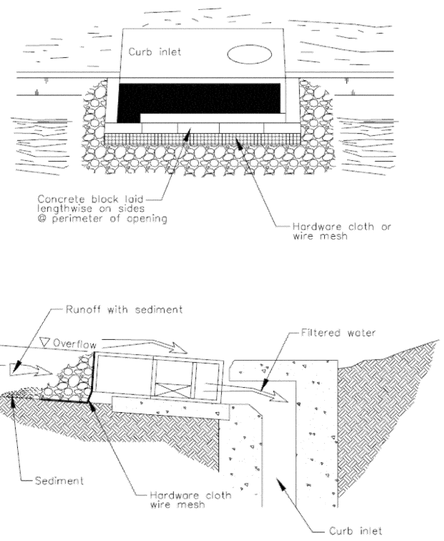
1 Fiber Rolls

CASQA Detail SE-5



8 Storm Drain Inlet Protection

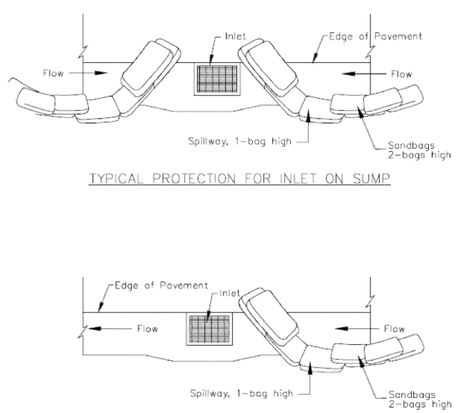
CASQA Detail SE-10



DI PROTECTION – TYPE 4
NOT TO SCALE

6 Storm Drain Inlet Protection

CASQA Detail SE-10

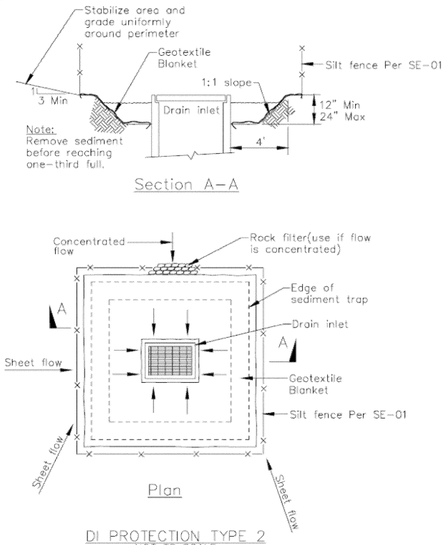


NOTES:
1. Intended for short-term use.
2. Use to inhibit non-storm water flow.
3. Allow for proper maintenance and cleanup.
4. Bags must be removed after adjacent operation is completed
5. Not applicable in areas with high silts and clays without filter fabric.

DI PROTECTION TYPE 3
NOT TO SCALE

4 Storm Drain Inlet Protection

CASQA Detail SE-10

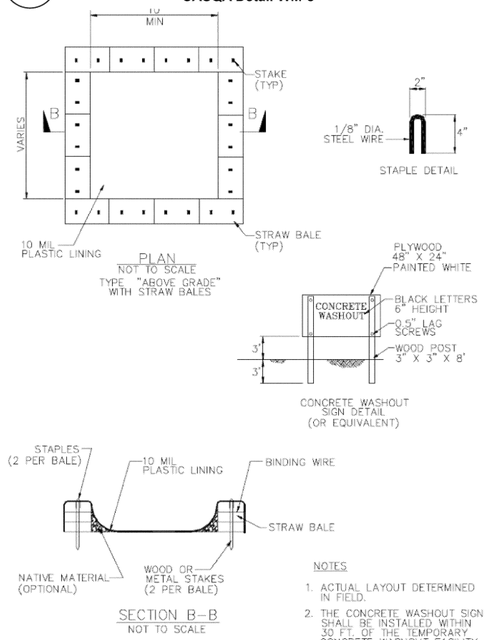


DI PROTECTION TYPE 2
NOT TO SCALE

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 50 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

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

BMP-2