

ACTIVE OPEN SPACE landscaping patio pedestrian path

99,208ft 3,760ft 2,738ft

PASSIVE OPEN SPACE 92,710ft natural landscape

As listed in 17.28.100
Open Space section B
Part 1 — The
topography of the site
is a limiting factor for
this property which
prohibits the opportunity
to make at least half
of the open space
active. This design has
made a significant
effort to create active
open space while still
meeting the parking
requirements which
consumes the majority
of the unsloped area on
the parcel.

Keynotes:

Project Manager: Amy Vander Heyden 484 Lake Park Ave #617 Oakland, CA 94610 925-353-0363

Legend:

patio/ path bioswale greenery

X 944 property line - --

activ open sp. passive open sp.

Property Owner: Clayton Community Church 6055 Main St, Clayton, CA 925-673-9060 srobinson@claytoncc.com

Site Address: 1027 Pine Hollow Court, Clayton, CA 94610

CHURCH

Empower People Impact Cultures

Use Permit & Site Plan Permit Applications

09 / 29 / 2016 NTS OPEN SPACE PLAN





Keynotes: 1 East Patio with arbor

② South Patio 3 Children's Playground 4 Main Sanctuary Entrance

Empower People Impact Cultures (5) Entrance to meeting room 6 Flow through planter 7 Seating wall with planters

Project Manager: Amy Vander Heyden 484 Lake Park Ave #617 Oakland, CA 94610 925-353-0363

Site Address: 1027 Pine Hollow Court, Clayton, CA 94610

Property Owner: Clayton Community Church 6055 Main St, Clayton, CA 925-673-9060 srobinson@claytoncc.com

Legend:

1) Fiber cement board: light wood grain pattern 2 Fiber cement board: rustic dark wood pattern

3 Stone veener

(3) Stone veener

Use Permit & Site Plan Permit Applications

S Brown standing seam roof 09 / 29 / 2016 1/ 8" = 1'-0" ELEVATION





Keynotes:

1 Children's Playground 2 South Patio

3 East Patio

© Door from prayer room

| Control | 4 Barn door

7 Swing up door at coffee counter
8 Speakers mounted under the eave

Project Manager: Amy Vander Heyden 484 Lake Park Ave #617 Oakland, CA 94610 925-353-0363

Site Address: 1027 Pine Hollow Court, Clayton, CA 94610

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Legend: 1 Fiber cement
board: light wood
grain pattern
2 Fiber cement
board: rustic dark
wood pattern

3 Stone veener

(3) Stone veener

Use Permit & Site Plan Permit Applications

5 Brown standing seam roof © Grey TPO roofing 09 / 29 / 2016 1/ 8" = 1'-0" ELEVATION

A1.5





Legend: 1 Fiber cement
board: light wood
grain pattern
2 Fiber cement
board: rustic dark
wood pattern

Keynotes:

2 South Patio 3 East Patio

4 Barn door

1 Children's Playground

7 Swing up door at coffee counter
8 Speakers mounted under the eave

© Door from prayer room

| Control |

Project Manager: Amy Vander Heyden 484 Lake Park Ave #617 Oakland, CA 94610 925-353-0363

Site Address: 1027 Pine Hollow Court, Clayton, CA 94610

Property Owner:
Clayton Community Church
6055 Main St,
Clayton, CA
925-673-9060
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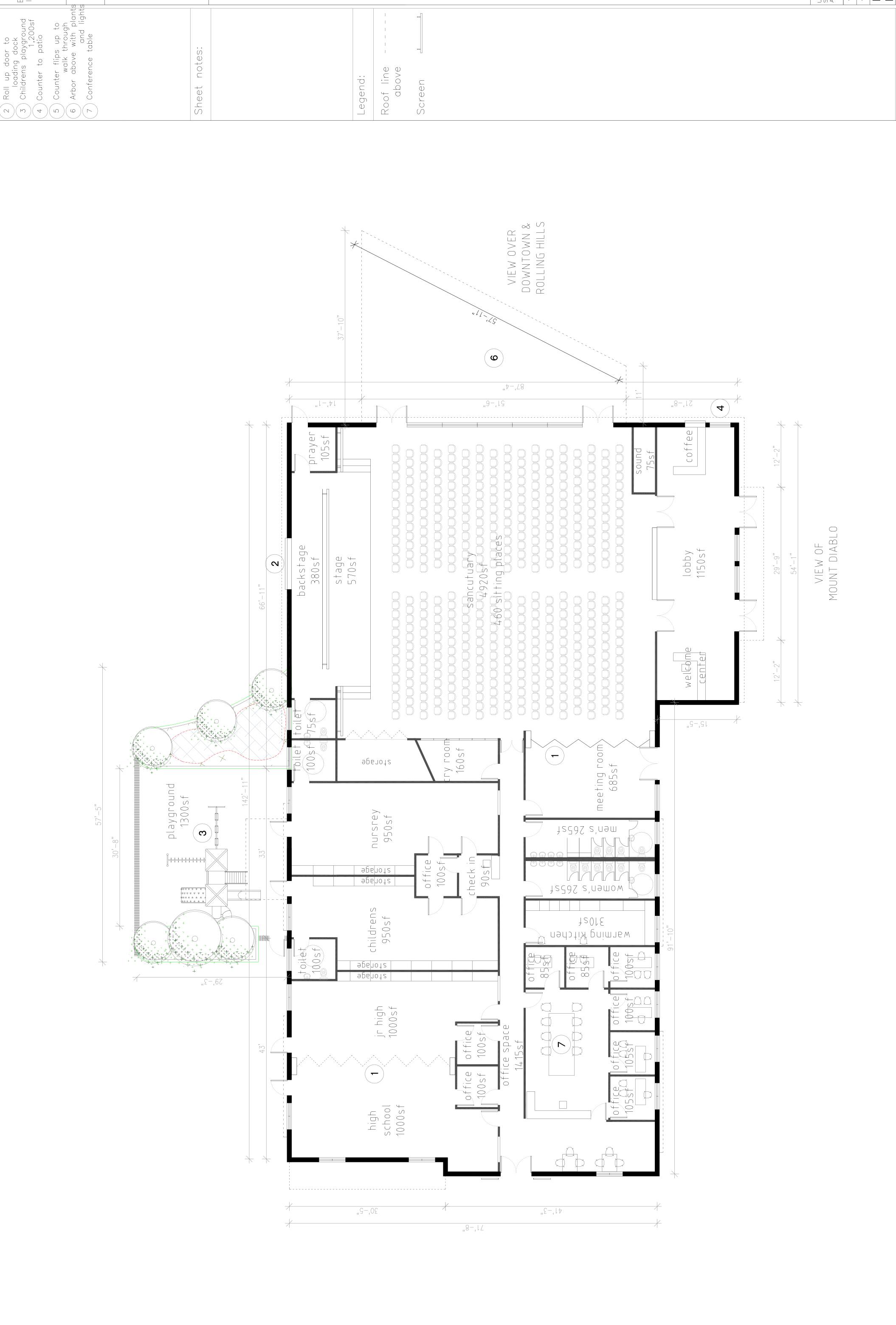
3 Stone veener

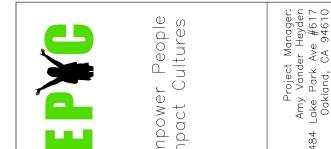
(3) Stone veener

Use Permit & Site Plan Permit Applications

5 Brown standing seam roof
6 Grey TPO roofing 09 / 29 / 2016
1/ 8" = 1'-0"
ELEVATION

A1.5





1) Acordian wall

Ro = -

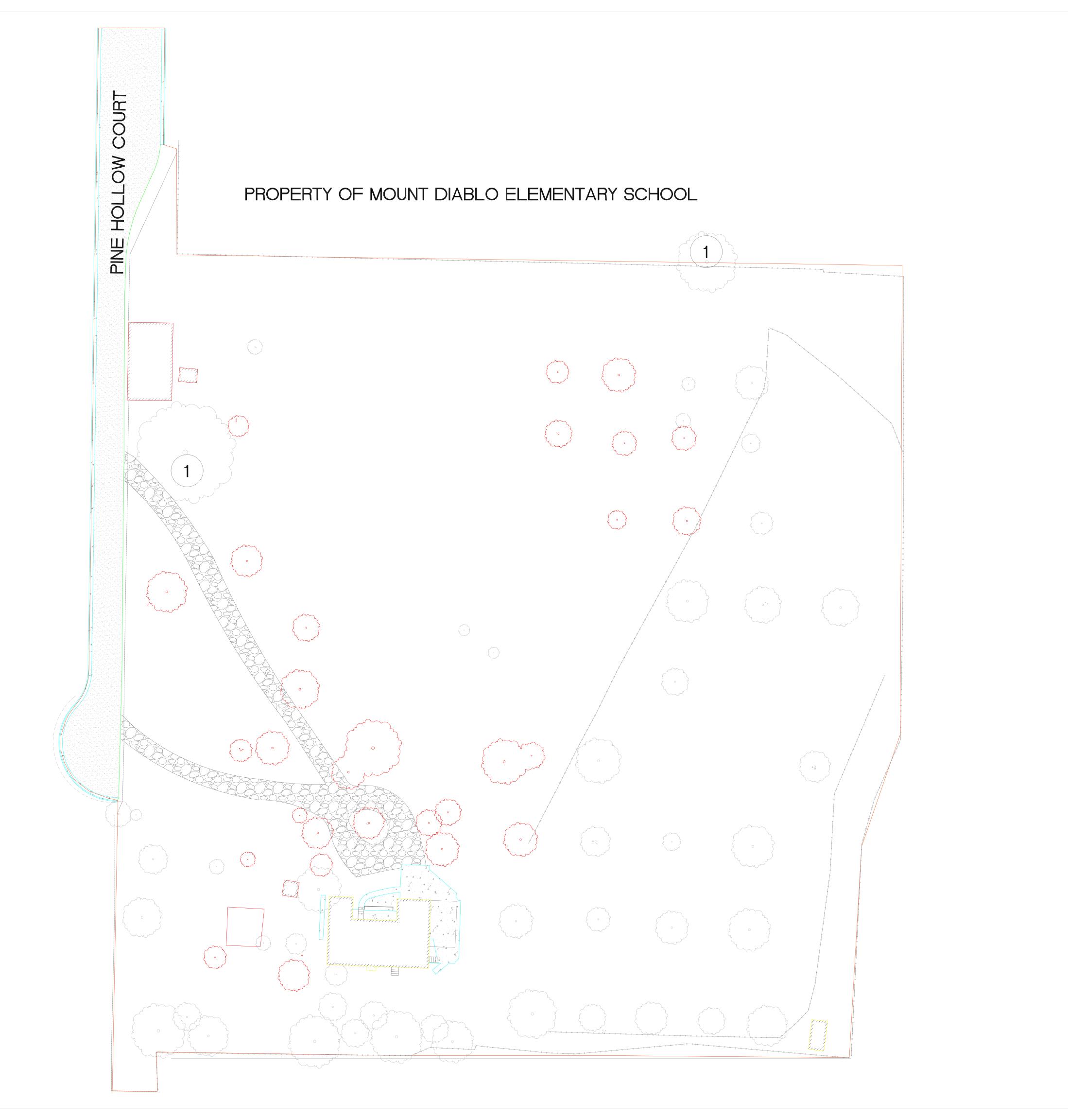
Keynotes:

Property Owner:
Clayton Community Church
6055 Main St,
Clayton, CA
925-673-9060
srobinson@claytoncc.com

Site Address: 1027 Pine Hollow Court, Clayton, CA 94610

10 / 05 / 2016 1/8" = 1'-0" FLOOR PLAN

3



1 Protected tree Empower People Impact Cultures

Legend:

Project Manager: Amy Vander Heyden 484 Lake Park Ave #617 Oakland, CA 94610 925-353-0363 Demolish structure

Existing structure to remain Site Address: 1027 Pine Hollow Court, Clayton, CA 94610

Property Owner:
Clayton Community Church
6055 Main St,
Clayton, CA
925-673-9060
srobinson@claytoncc.com Existing fence to remain

Use Permit & Site Plan Permit Applications

10 / 05 / 2016 NTS DEMO PLAN

REPRESENTATIVES

COMPANY ADDRESS PHONE

PACIFIC GAS AND ELECTRIC 925-686-5440 GAS/ELECTRIC

1030 DETROIT AVENUE CONCORD, CA 94520

TELEPHONE PACIFIC BELL/ATT 925-689-3226

1420 DANZIG PLAZA CONCORD, CA 94520

CONTRA COSTA WATER WATER 925-674-8000

> PO BOX H20 CONCORD, CA 94524

CITY OF CLAYTON 925-673-7300 SEWER/ STORM DRAINAGE 600 HERITAGE TRAIL

CLAYTON, CA 94517

811 UNDERGROUND SERVICE ALERT

ENGINEER CUNHA ENGINEERING, INC 510-741-*8*290

701 BELMONT WAY, SUITE A

PINOLE, CA 94564

ADDRESS:

1027 PINE HOLLOW COURT CONCORD, CALIFORNIA 94610

ASSESSOR'S PARCEL NUMBER: 119-050-036

EXISTING ZONING:

R-40-H

PROPOSED ZONING:

GROSS AREA: 192,744 SF

PROPOSED NET AREA: 183,469 SF

BASIS OF ELEVATION:

ELEVATIONS BASED UPON NAVD88 VERTICAL DATUM EXPRESSED IN US FEET. NGS BENCHMARK PID: DE8492 ELEVATION 412.9

BOUNDARY INFORMATION:

BOUNDARY AND EASEMENTS SHOWN HEREON BASED UPON PRELIMINARY TITLE REPORT DATED: MAY 24, 2012 FURNISHED BY CLIENT AND REPRESENTS RECORD LOCATION, SUBJECT TO FINAL

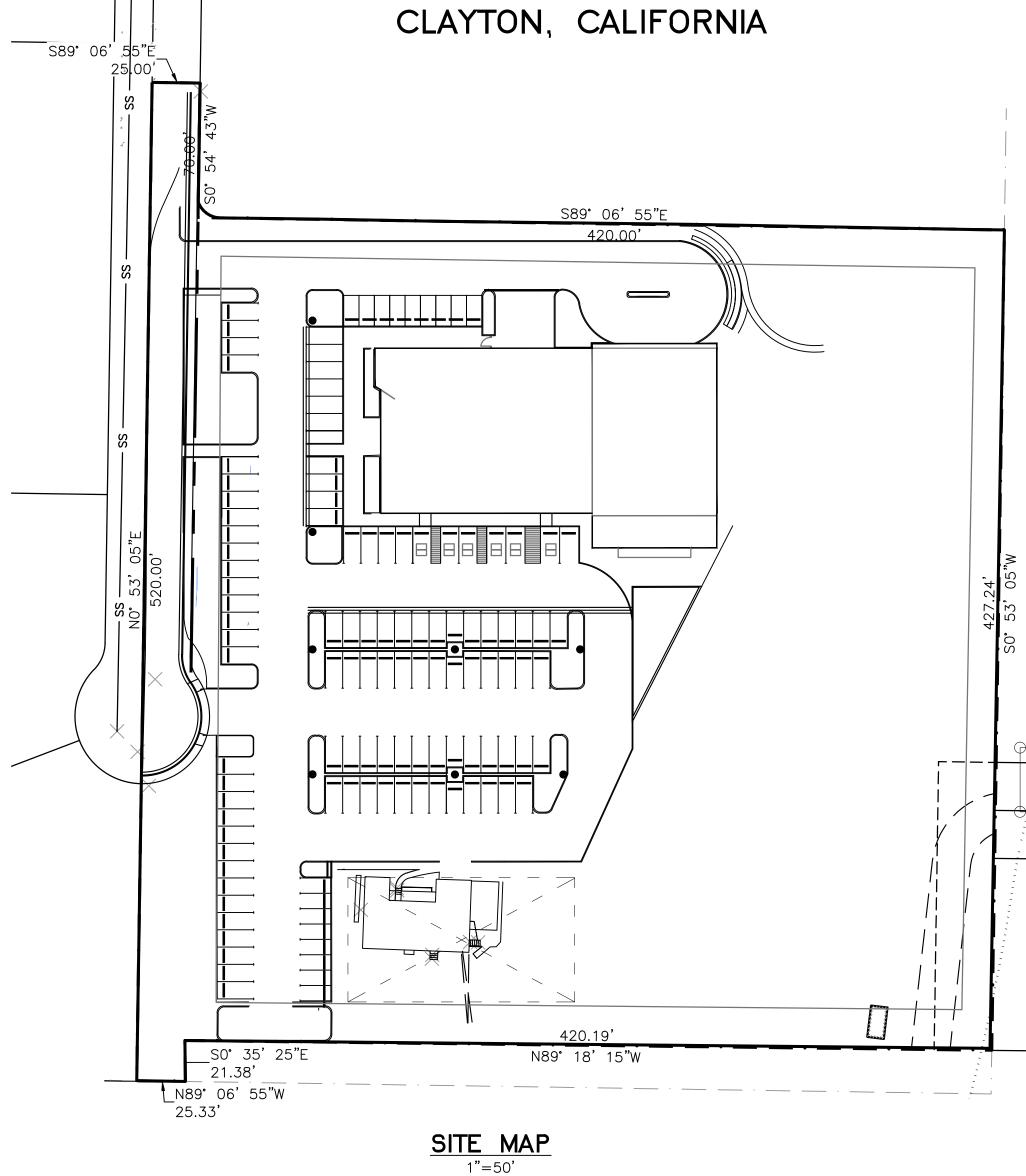
FLOOD HAZARD INFORMATION:

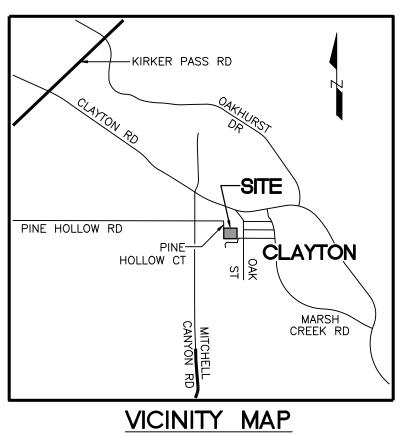
ALL FEMA RELATED INFORMATION SHOWN PER FIRM MAP NO. 06013C0308F - EFFECTIVE DATE JUNE 16, 2009.

DESIGN REVIEW PLANS

FOR CLAYTON COMMUNITY CHURCH

1027 PINE HOLLOW COURT





A ENGINEERING

11 BELMONT WAY, STE. A

NOLE, CALIFORNIA 94564

(510) 741-8290

CHURCH COURT

SHEET NUMBER

OF 6 SHEETS

DRAWING NO. 216016

CUNHA

ABBREVIATIONS

| | 7,001,0110110 | | | | | | | | |
|--|---|--|---|--|--|--|--|--|--|
| AB AC ADT BC BOW C&G CO CSP DIP D/W | AGGREGATE BASE ASPHALT CONCRETE AVERAGE DAILY TRAFFIC BEGIN CURVE BACK OF WALK CURB AND GUTTER CLEAN OUT CORRUGATED STEEL PIPE DUCTILE IRON PIPE DRIVEWAY | HDPE INV NA OC PCC PL PVC R RCP R/W | INVERT NOT APPLICABLE ON CENTER PORTLAND CEMENT CONCRETE PROPERTY LINE POLY—FINYL—CHLORIDE RADIUS REINFORCED CONCRETE PIPE RIGHT OF WAY | | | | | | |
| EC | END CURVE | SB | SUBBASE | | | | | | |
| EP | EDGE OF PAVEMENT | SG | SUBGRADE | | | | | | |
| FES | FLARED END SECTION FINISH FLOOR | S/W | SIDEWALK | | | | | | |
| FF | | TC | TOP OF CURB | | | | | | |
| FL | FLOW LINE | TOW | TOP OF WALL TYPICAL | | | | | | |
| FS | FINISH SURFACE | TYP | | | | | | | |
| GRT | GRATE | | | | | | | | |

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SHEET NO. TITLE

TITLE SHEET C1

EXISTING TOPOGRAPHY

PRELIMINARY GRADING AND UTILITY PLAN

C4 PRELIMINARY DETAILS

PRELIMINARY EROSION CONTROL PRELIMINARY CLEANWATER PLAN

THESE PLANS PREPARED BY ME FOR THE PURPOSE OF DESIGN REVIEW AND NOT FOR CONSTRUCTION

SEPT 14, 2016

NO. 36321 EXPIRES 6/30/18

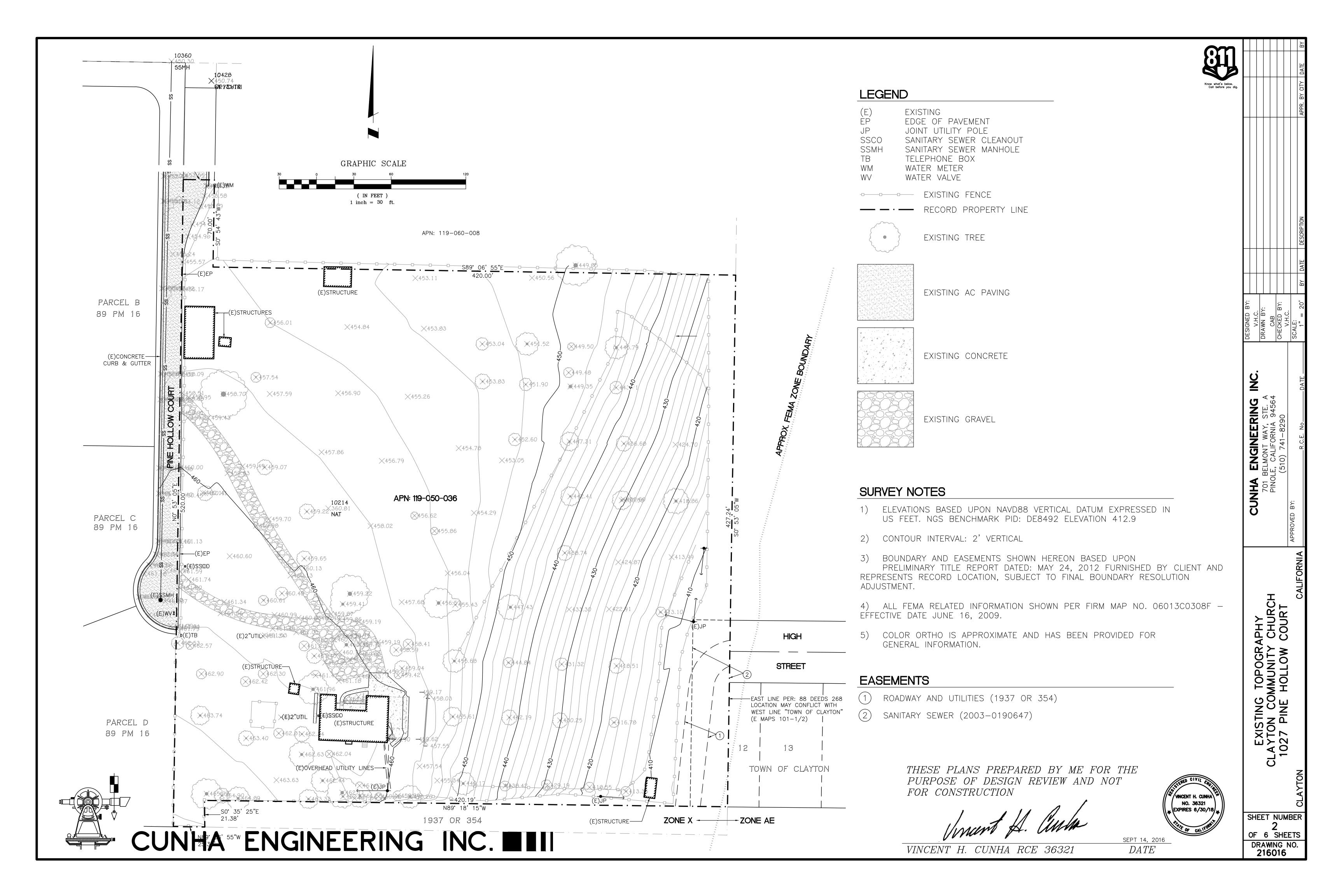
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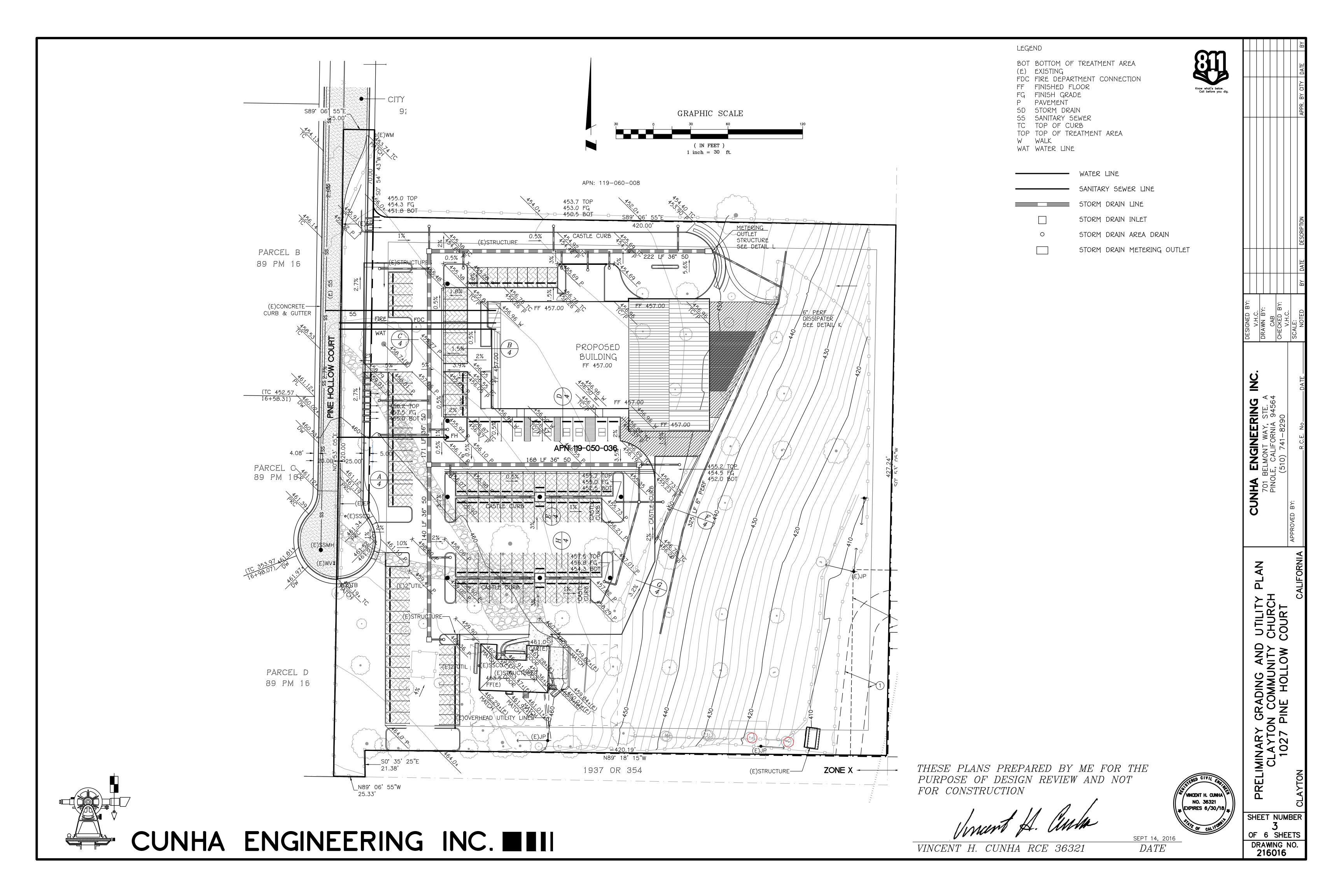
DATE

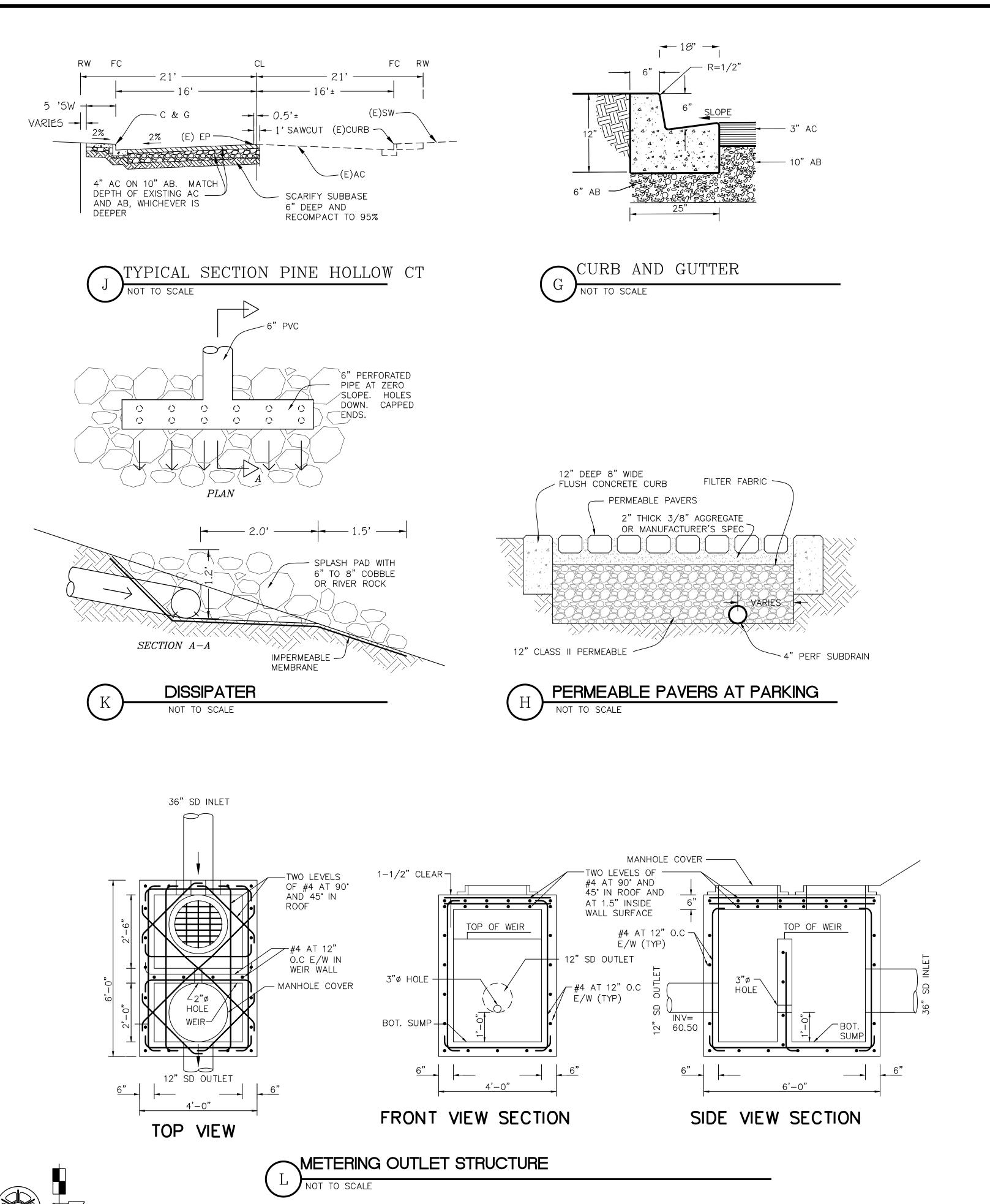
CUNHA ENGINEERING INC.

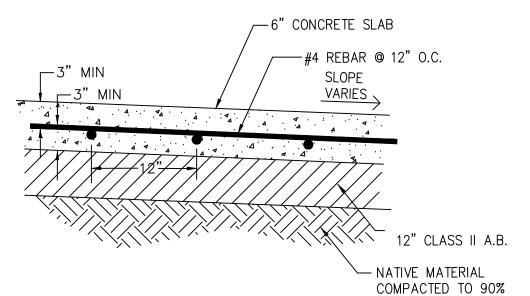
Know what's below. Call before you dig.



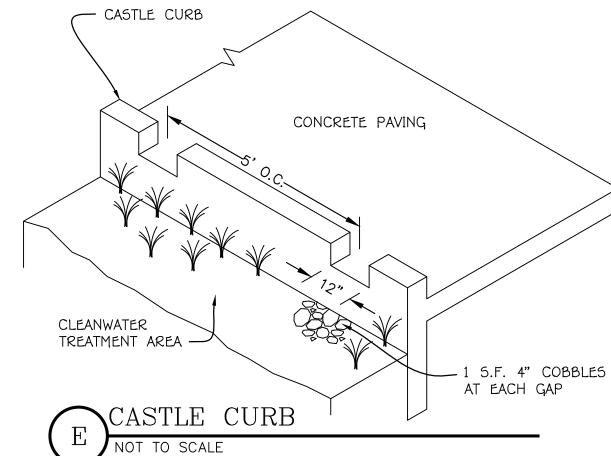


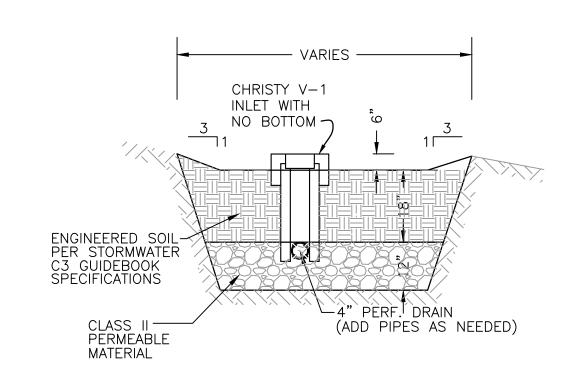




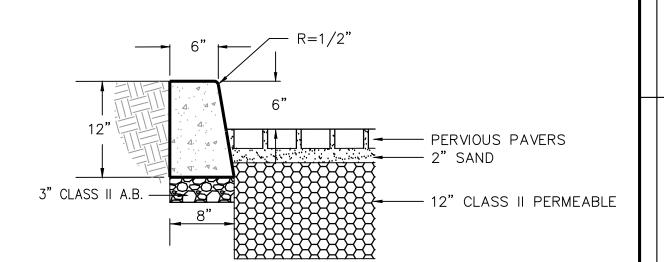


CONC. PAVING AT ACCESSIBLE PARKING

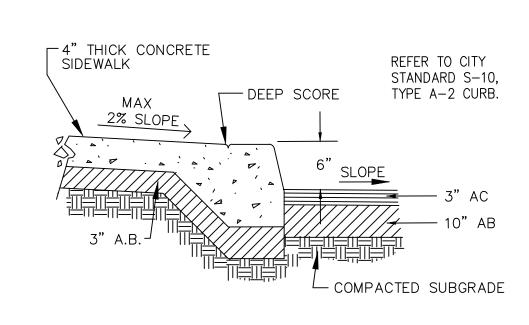




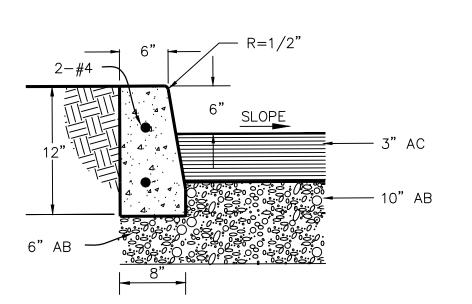








CONCRETE CURB AT SIDEWALK NOT TO SCALE



VERTICAL CURB AT AC PAVING DRIVE AISLES NOT TO SCALE

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VINCENT H. CUNHA RCE 36321

NO. 36321 EXPIRES 6/30/18 SEPT 14, 2016

DATE

SHEET NUMBER OF 6 SHEETS DRAWING NO. 216016

CUNHA ENGINEERING
701 BELMONT WAY, STE. A
PINOLE, CALIFORNIA 94564
(510) 741-8290

PRELIMINARY DETAILS CLAYTON COMMUNITY CHURCH 1027 PINE HOLLOW COURT

CUNHA ENGINEERING INC.

Know what's below. Call before you dig.



EROSION CONTROL NOTES

1) ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PROVISIONS OF THE ASSOCIATION OF BAY AREA GOVERNMENTS (ABAG) "A MANUAL OF STANDARDS FOR EROSION AND SEDIMENT CONTROL MEASURES" UNLESS OTHERWISE STATED WITHIN THESE GENERAL NOTES. CONTROL MEASURES ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING SERVICES.

2) BEST MANAGEMENT PRACTICES SHALL BE UTILIZED AT ALL TIMES TO COMPLY WITH THE CITY OF CONCORD STORM WATER MANAGEMENT AND DISCHARGE CENTRAL ORDINANCE.

3) EXCEPT AS OTHERWISE DIRECTED BY THE INSPECTOR, ALL DEVICES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE AT THE END OF EACH WORK DAY AND ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AT THE END OF EACH WORKING DAY DURING THE RAINY SEASON (OCTOBER 1ST TO APRIL 15TH).

4) AFTER OCTOBER 1ST, ALL EROSION CONTROL MEASURES WILL BE INSPECTED DAILY AND AFTER EACH STORM. BREACHES IN DIKES AND SWALES WILL BE REPAIRED AT THE CLOSE OF EACH DAY AND WHENEVER RAIN IS FORECAST.

5) ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND DAILY THEREAFTER OR AS DIRECTED BY THE INSPECTOR. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.

6) AS A PART OF THE EROSION CONTROL MEASURES, UNDERGROUND STORM DRAIN FACILITIES SHALL BE INSTALLED COMPLETE AS SHOWN ON THE IMPROVEMENT PLANS.

7) STAND BY CREWS SHALL BE ALERTED BY THE PERMITEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAIN STORMS.

8) ALL GRADING OPERATIONS, OTHER THAN LOT FINISH GRADING, IS TO BE PERFORMED BEFORE THE RAINY SEASON, OCTOBER 1ST THROUGH APRIL 15TH. AN EROSION CONTROL PLAN MUST BE SUBMITTED BY SEPTEMBER 1ST AND APPROVED BY THE CITY OF CONCORD PRIOR TO THE COMMENCEMENT OF ANY SUCH GRADING OPERATIONS.

9) BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE CITY ENGINEER.

10) ALL MATERIALS REFERENCED IN THIS PLAN SHALL BE STOCKPILED ON SITE BY OCTOBER 1ST AND INSTALLED AS SHOWN ON THE EROSION CONTROL PLANS, WHEN RAIN IS FORECAST OR WHEN DIRECTED BY THE INSPECTOR.

11) GRAVEL BAGS REFERRED TO IN THE PRECEDING ITEMS MUST BE FULL. APPROVED SANDBAG FILL MATERIALS SHALL BE DECOMPOSED GRANITE AND/OR GRAVEL OR OTHER MATERIALS APPROVED BY THE INSPECTOR.

12) AFTER STORM DRAIN, SANITARY SEWER AND UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A DRWNED STREET. TEMPORARY PAVE ALL TRENCHES IN EXISTING STREETS.

13) GRAVEL BAGS, CATCH BASINS AND INLETS SHALL BE CLEANED OUT WHENEVER SEDIMENT REACHES ½ - INCH IN ELEVATION AGAINST THE BASE OF THE GRAVEL BAG. IT IS THE CONTRACTORS PROVIDE A TIGHT JOINT, NOT OVERLAPPED. RESPONSIBILITY TO CLEAN AND SERVICE GRAVEL BAGS, FILTERS, AND SEDIMENT BARRIERS. REPAIR AND/OR REPLACE THEM WHEN THEY DO NOT FUNCTION PROPERLY. AFTER PAVING, ALL CATCH BASINS SHALL BE PROVIDED WITH FOSSIL FILTERS OR AS RECOMMENDED AND/OR REQUIRED BY THIS PLAN.

14) NEARBY OFF-SITE INLETS THAT MAY RECEIVE SEDIMENT-LADEN WATER SHALL BE PROTECTED.

15) REFUELING OF VEHICLES AND EQUIPMENT SHALL BE PROHIBITED WITHIN 100 FEET OF ALL

16) ALL EQUIPMENT AND VEHICLES SHALL BE CLEAN OF GREASE AND/OR HYDRAULIC LEAKS.

17) INSTALL CITY OF CONCORD "NO DUMPING, DRAINS TO BAY" CURB MARKER (ENGLISH AND SPANISH VERSION) ON ALL CATCH BASINS.

BEST MANAGEMENT PRACTICES

1. RUN ON AND RUNOFF CONTROL WILL BE ACHIEVED WITH THE USE OF STRAW WATTLES, A PERIMETER BERM ALONG THE PROPERTY LINE AT GORDON WAY COURT TO PROTECT RUNOFF DURING CONSTRUCTION AND UNTIL LANDSCAPING TAKES HOLD.

2. GOOD SITE MANAGEMENT PRACTICES DURING CONSTRUCTION:

A) CONDUCT AN INVENTORY OF THE PRODUCTS USED AND/OR EXPECTED TO BE USED AND THE END PRODUCTS THAT ARE PRODUCED AND/OR EXPECTED TO BE PRODUCED.

B) COVER AND BERM LOOSE STOCKPILED CONSTRUCTION MATERIALS THAT ARE NOT ACTIVELY BEING USED.

C) STORE CHEMICALS IN WATERTIGHT CONTAINERS OR IN A STORAGE SHED.

D) MINIMIZE EXPOSURE OF CONSTRUCTION MATERIALS TO PRECIPITATION.

E) IMPLIMENT BMPs TO PREVENT THE OFF-SITE TRACKING OF LOOSE CONSTRUCTION AND LANDSCAPE MATERIALS.

F) ENSURE CONTAINMENT OF SANATATION FACILITIES TO PREVENT DISCHARGES OF POLLUTANTS TO THE STORM WATER DRAINAGE SYSTEM.

G) PREVENT DISPOSAL OF ANY RINSE OR WASH WATERS OR MATERIALS ON IMPERVIOUS OR PERVIOUS SITE SURFACES OR INTO THE STORM DRAIN SYSTEM.

H) IMPLIMENT PROCEDURES THAT EFFECTIVELY ADDRESS HAZARDOUS AND NON-HAZARDOUS SPILLS.

I) ENSURE THE CONTAINMENT OF CONCRETE WASHOUT AREAS AND OTHER WASHOUT AREAS THAT MAY CONTAIN ADDISTIONAL POLLUTANTS SO THERE IS NO DISCARGE INTO THE UNDERLYING SOIL AND ONTO THE SURROUNDING AREAS.

3) FOR NON-STORM WATER MANAGEMENT SEE MITIGATION MEASURE NOTES ON THIS SHEET.

MITIGATION MEASURES

1. DURING ALL CONSTRUCTION ACTIVITIES ON-SITE, THE PROJECT APPLICANT/ DEVELOPER SHALL ADHERE TO THE FOLLOWING BEST MANAGEMENT PRACTICES AS SUGGESTED BY BAAQMD:

A. WATERING ALL EXPOSED OR DISTURBED SOIL SURFACES, AT LEAST TWICE DAILY, AS NECESSARY TO ELIMINATE VISIBLE DUST PLUMES.

B. COVER ALL TRUCKS HAULING SOIL, SAND & OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST A 2 FEET FREEBOARD LEVEL WITHIN THEIR TRUCK BEDS.

C. ENCLOSE, COVER, WATER TWICE DAILY OR APPLY (NON-TOXIC) SOIL BINDERS TO EXPOSED STOCKPILES OF DEBRIS, SOIL, SAND, OR OTHER MATERIALS.

D. SUSPENSION OF ALL EARTH MOVING OR OTHER DUST-PRODUCING ACTIVITIES OR EQUIPMENT DURING PERIODS OF HIGH WINDS WHEN WATERING CANNOT ELIMINATE VISIBLE DUST PLUMES.

E. APPLY WATER 3 TIMES DAILY OR APPLY (NON-TOXIC) SOIL BINDERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS & STAGING AREAS AT CONSTRUCTION SITES.

F. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS PARKING AREAS & STAGING AREAS AT CONSTRUCTION SITES.

G. SWEEP STREETS DAILY WITH WATER SWEEPER IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS.

H. HYDROSEED OR APPLY (NON-TOXIC) SOIL STABILIZERS TO INACTIVE CONSTRUCTION AREAS (PREVIOUSLY GRADED AREAS INACTIVE FOR 10 DAYS OR MORE).

I. LIMIT TRAFFIC SPEEDS ON UNPAVED AREAS TO 5 MPH

FIBER ROLL / STRAW WATTLE NOTES

CONSTRUCTION & MAINTENANCE:

FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION. IN GENERAL, WILL BE AS FOLLOWS:

1. FINE GRADE THE SUBGRADE BY HAND, DRESSING WHERE NECESSARY TO REMOVE LOCAL DEVIATIONS & TO REMOVE LARGER STONES OR DEBRIS THAT WILL INHIBIT INTIMATE CONTACT OF THE FIBER ROLL WITH THE SUBGRADE.

2. PRIOR TO ROLL INSTALLATION, CONTOUR A CONCAVE KEY TRENCH 50 TO 100 MM (2 TO 4 INCHES) DEEP ALONG THE PROPOSED INSTALLATION ROUTE.

3. SOIL EXCAVATED IN TRENCHING SHOULD BE PLACED ON THE UPHILL OR FLOW SIDE OF THE ROLL OT PREVENT WATER FROM UNDERCUTTING THE ROLL.

4. PLACE FIBER ROLLS INTO THE KEY TRENCH & STAKE IN THE CENTER OF THE ROLL WITHIN 6 FEET OF EACH END & THEN EVERY SIX FEET WITH 1" X 2" X 24" STAKES.

5. STAKES ARE TYPICALLY DRIVEN IN INTO THE CENTER OF THE ROLL, WHEN MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE ABUTTED SECURELY TO ONE ANOTHER TO

6. DESIGNED FOR LOW SURFACE FLOWS NOT TO EXCEED 1 CFS FOR SMALL AREA.

7. DESIGNED FOR SHORT SLOPES OR SLOPES FLATTER THAN 3:1. PRIMARY PURPOSE IS NOT SEDIMENT CONTROL, ALTHOUGH DO PROVIDE SOME SEDIMENT REMOVAL.

8. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING, OR SLUMPING FIBER ROLLS.

9. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, FOLLOWING RAIN EVENTS. & AT LEAST DAILY DURING PROLONGED RAINFALL. PERFORM REQUIRED MAINTENANCE

10. IN MOST CASES, FIBER ROLLS DO NOT REQUIRE REMOVAL & CAN BE ABANDONED IN PLACE. IF NOT EXCESSIVELY SOILED, ROLLS MAY BE REMOVED, REPLACED, & REUSED.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE NOTES

DESIGN & CONSTRUCTION SPECIFICATIONS

1. THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 3 TO 6 INCH STONE.

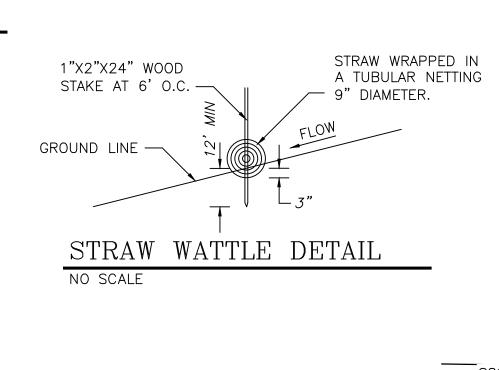
2. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12 INCHES.

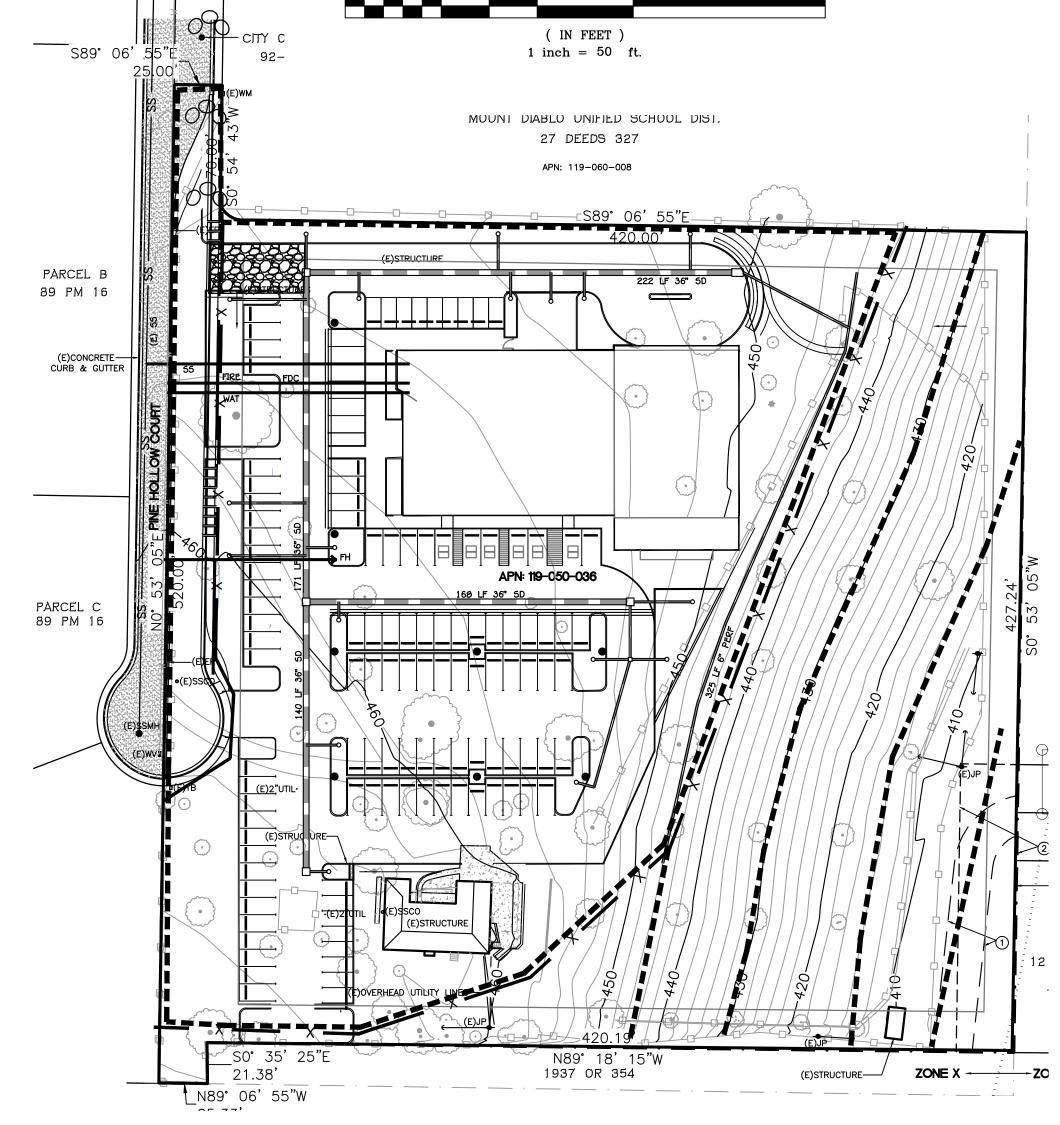
3. THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.

4. THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET.

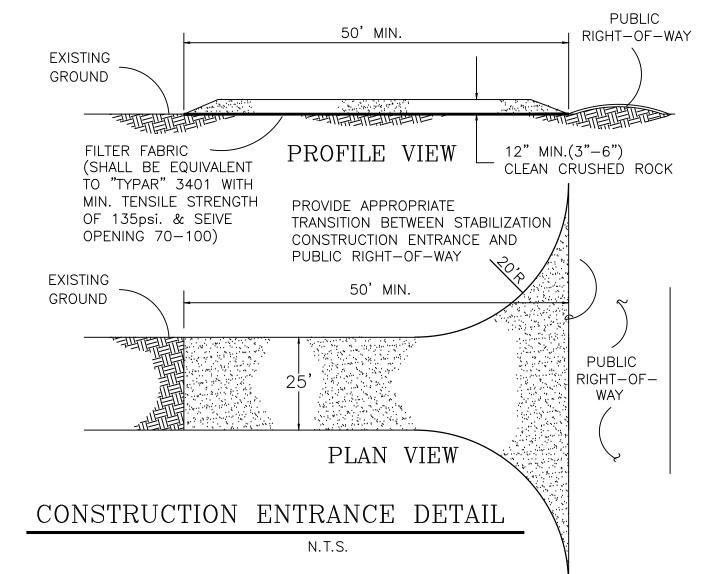
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL BE REMOVED

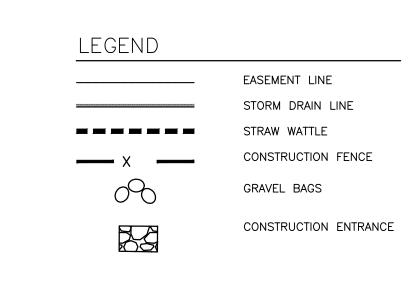
6. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS, OR OTHER APPROVED METHODS.





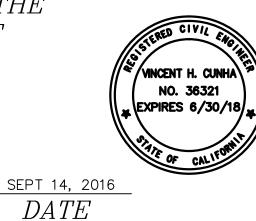
GRAPHIC SCALE





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VINCENT H. CUNHA RCE 36321



SHEET NUMBER OF 6 SHEETS DRAWING NO. 216016

CNIA PINO

NTROL CHURCH

EROSION CC COMMUNITY INE HOLLOW

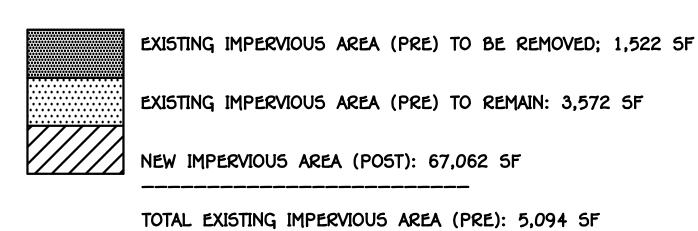
CLAYTOR 1027

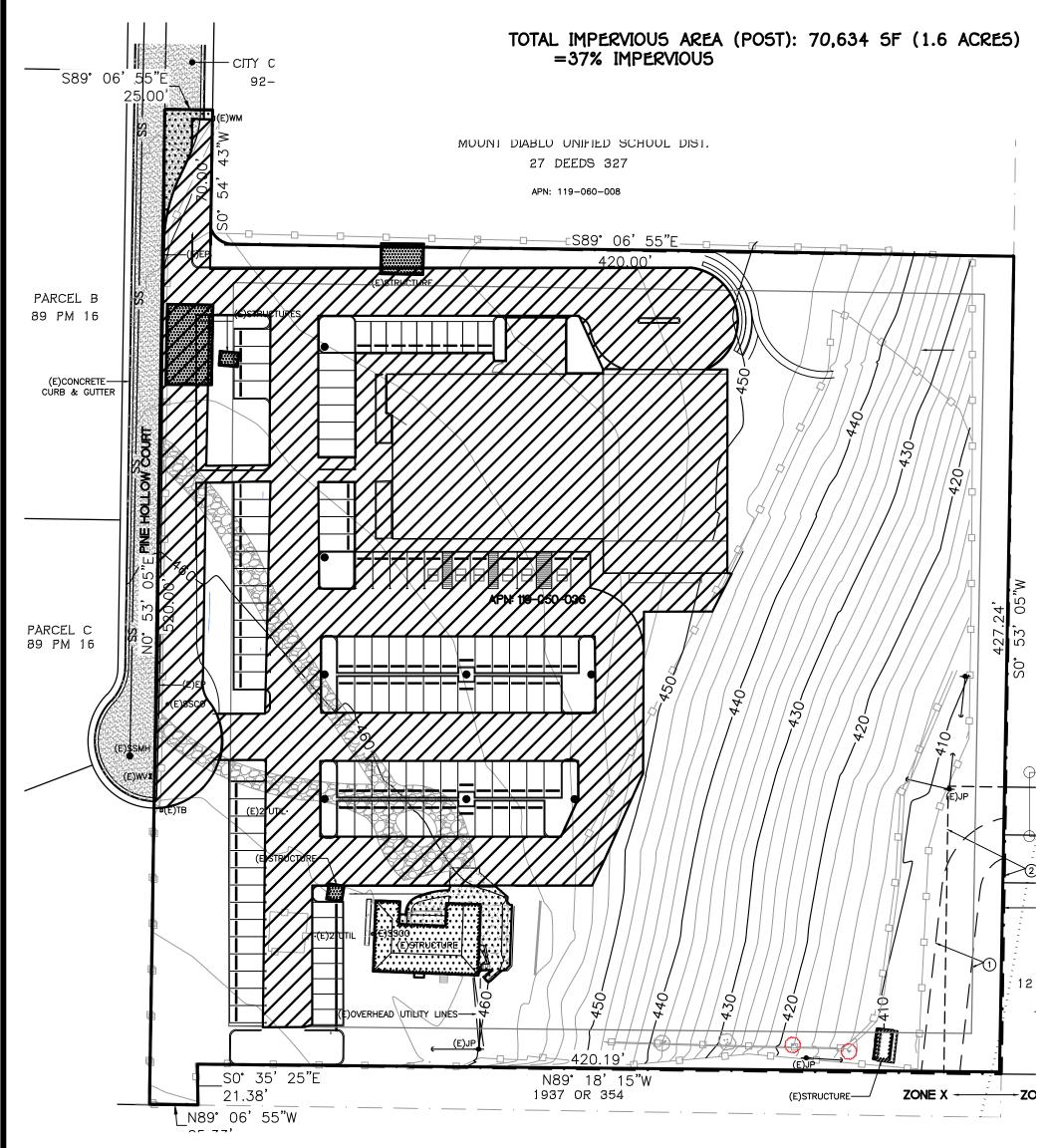
REI

CUNHA ENGINEERING INC.

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TREATMENT CALCULATIONS

| | ERVIOUS DMA TYPE | SIZE (SF) | RUNOFF FACTOR | TOTAL (SF) | REQ'D (5F) | RECEIVIN IMP ZONE | NG SIZE (SF) |
|------------------|---|--|-------------------------------|--|---------------|-------------------------|--------------------|
| <u>AA</u> | COURT | 2,961 | 1 | 2,861 2,861 | 114 | ВВ | 544 |
| AEHJBCDFG | AISLE WALK ROOF ROOF PARKING PARKING PARKING PARKING | 14,342 2,713 6,300 1,476 1,369 604 944 1,202 630 | 1 1 1 .5 .5 .5 | 14,342 2,713 6,300 1,476 605 342 472 641 315 27,206 | | | |
| | | | | | 1,091 | CC | 1,575 |
| DD | COURT | 4,131 | 1 | 4,131 4,131 | 165 | EE | 314 |
| K L M Q R 5 | ROOF ROOF WALK AISLE PARKING PARKING | 6,695 1,964 2,194 12, <i>8</i> 08 770 2,228 | 1 1 1 1 .5 | 6,695 1,964 2,194 12,000 305 1,114 25,160 | | | |
| U T V X | AISLE PARKING PARKING PARKING | 5,970 2,204 2,195 2,439 | 1 .5 .5 .5 | 5,970 1,102 1,097 1,219 9,388 | 1,006 | N | 1,090 |
| Z W Y | AISLE PARKING PARKING | 4,626 2,020 1,035 | 1 .5 .5 | 4,626 1,014 510 6,150 | 375 | Р | 500 |
| | | | | | 246 | FF | 411 |

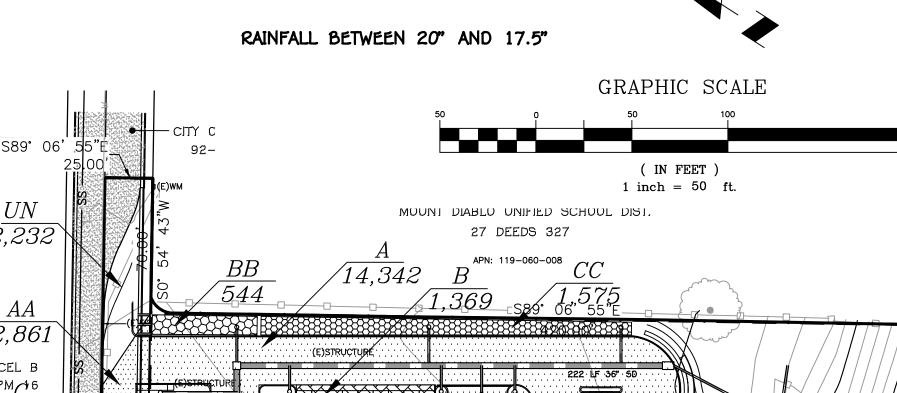
EX EXISTING HOUSE 2,440 SF DRAINS TO EXISTING LANDSCAPE AREA

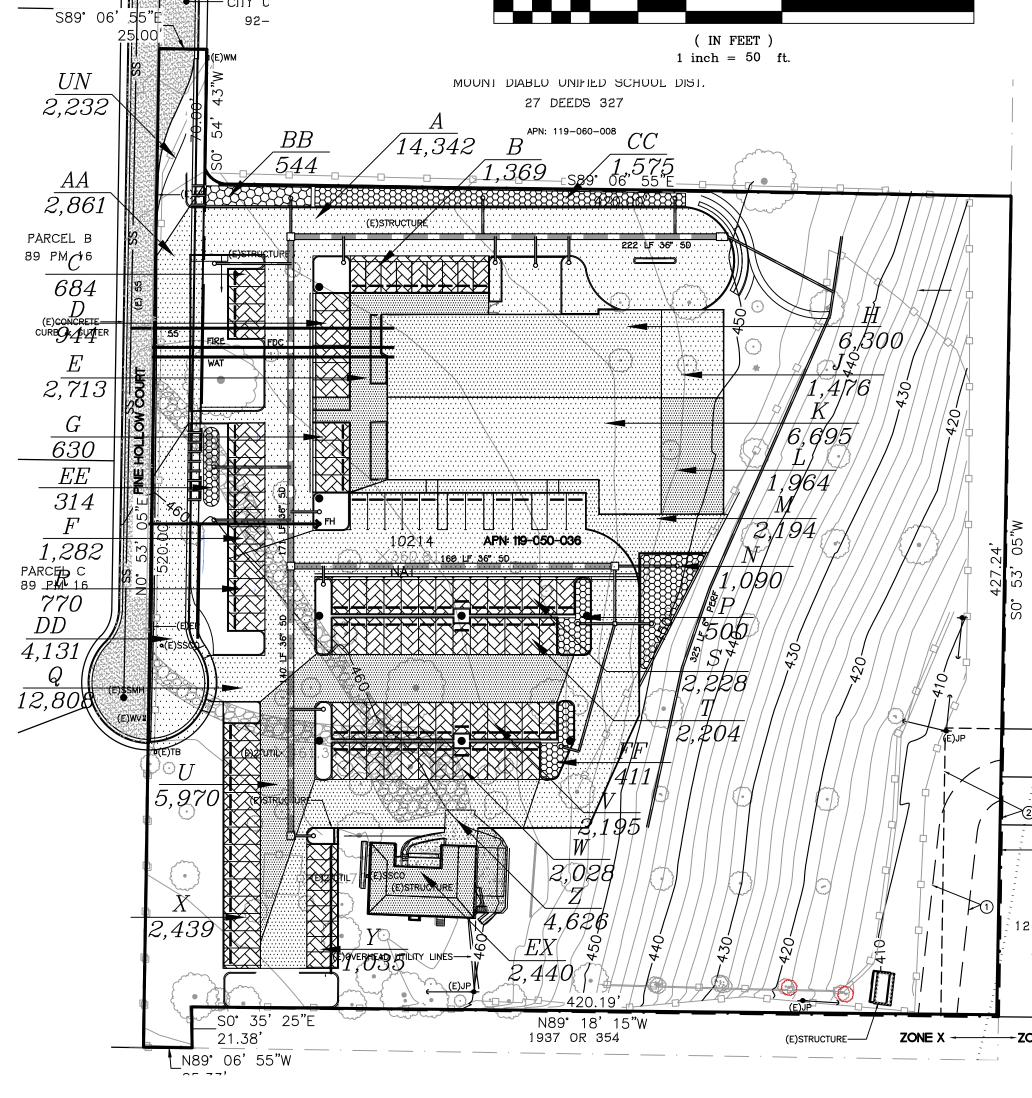
UN EXISTING STREET R/W 2,232 SF UNTREATABLE

REMAINDER 106,190 SF PERVIOUS LANDSCAPE/SELF-TREATING

FLOW-CONTROL CALCULATIONS

RAINFALL USED IN SPREADSHEET =20 IN TOTAL IMPERVIOUS =70,634 SF STORAGE NEEDED =4,775 CF LENGTH OF PIPE =701 LF VOLUME OF 36" PIPE =7 SF STORAGE PROVIDED =4,907 CF



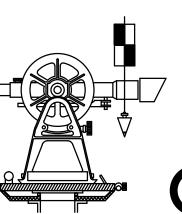


NOTE

TYPE OF PAVERS TO BE DETERMINED. CALCULATIONS USED REFLECT SOLID UNIT PAVERS SET IN SAND. IF OPEN PERVIOUS PAVERS ARE USED, THEN TREATMENT AREAS AND STORAGE VOLUME MAY BE REDUCED.

> THESE PLANS PREPARED BY ME FOR THE PURPOSE OF DESIGN REVIEW AND NOT FOR CONSTRUCTION

NO. 36321 EXPIRES 6/30/18 SEPT 14, 2016



CUNHA ENGINEERING INC.

Know what's below. Call before you dig.

VINCENT H. CUNHA RCE 36321

DATE216016

VINCENT H. CUNHA

CONTROL CHURCH COURT PRELIMINARY STORM WATER CLAYTON COMMUNITY 1027 PINE HOLLOW

CUNHA

SHEET NUMBER OF 6 SHEETS DRAWING NO.