

General Construction Specifications

GENERAL CONDITIONS

- 1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY...

CONSTRUCTION STAKING

- 1. THE DEVELOPER'S LAND SURVEYOR IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES...

CONSTRUCTION INSPECTION

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

SITE PREPARATION (CLEARING AND GRUBBING)

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

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...

GRADING

- 1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE, WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND...

GRADING (CONTINUED)

- 2. 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...

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...

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...

RETAINING WALLS

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

STREET LIGHTING

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

STORM DRAINAGE

- 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...

SANITARY SEWER

- 1. 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.

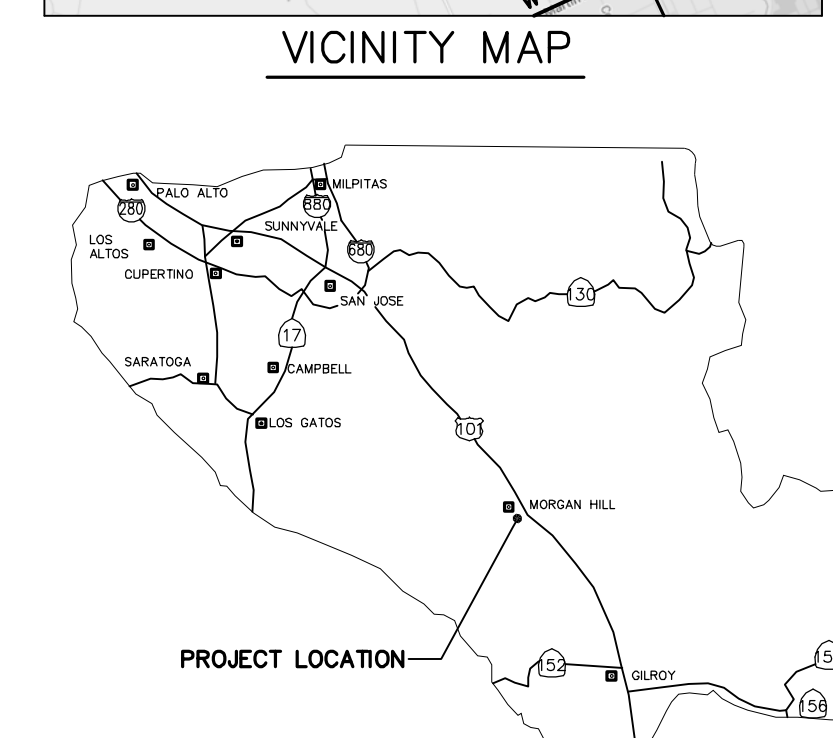
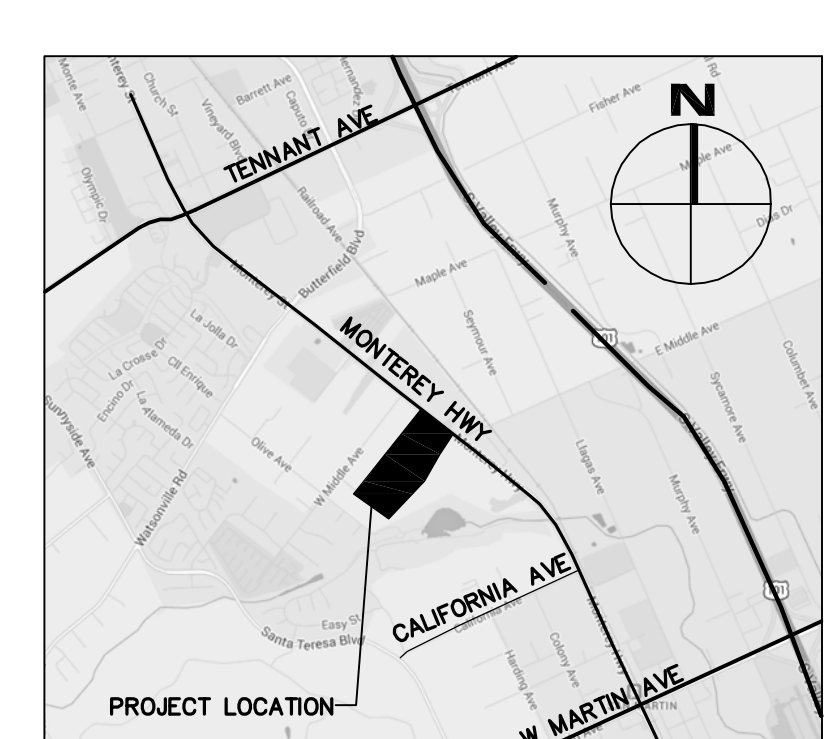
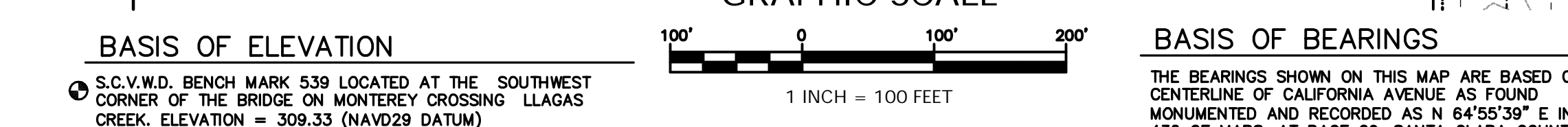
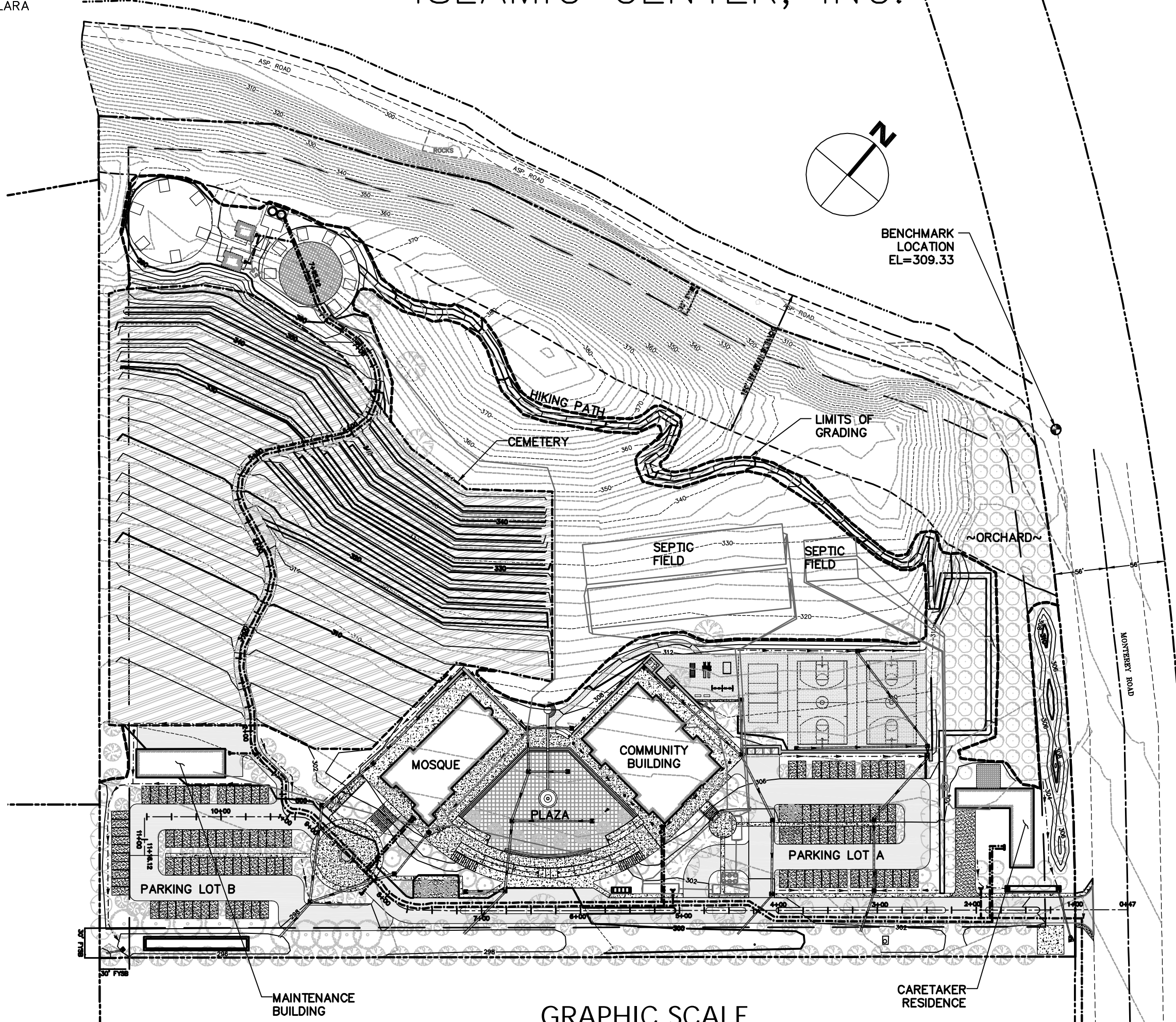
PORTLAND CEMENT CONCRETE

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

CONSTRUCTION / ENCROACHMENT / GRADING PERMIT

PERMIT(S) NO.: _____ DATE: _____
FILE(S) NO.: _____
ISSUED BY: _____

CORDOBA CENTER LANDS OF SOUTH VALLEY ISLAMIC CENTER, INC.



SCOPE OF WORK

- 1. CONSTRUCT ON-SITE IMPROVEMENTS INCLUDING CEMETERY, TENT CAMPS WITH BATH HOUSES, HIKING TRAIL, MOSQUE, COMMUNITY BUILDING, PLAZA, MAINTENANCE BUILDING, WALKWAYS, PARKING LOTS A & B, CARETAKER RESIDENCE, ORCHARD, LANDSCAPE BERM, AND ATHLETIC COURTS.

NOTES:

- 1. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.

Legend table with columns: DESCRIPTION, TO BE CONST., EXISTING. Includes symbols for property lines, curbs, sidewalks, etc.

SHEET INDEX

Sheet index table listing sheets C-0 through C-3 and BMP1 through BMP2.

ENGINEER'S NAME: RICHARD J. IRISH, RCE 45820
ADDRESS: 303 POTRERO STREET, SUITE 42-202, SANTA CRUZ, CA 95060

PHONE NO. (831) 425-3901
FAX NO. (831) 425-1522

Revision table with columns: Revision, APN, Co. File, Sheet of.

PLAN # OF SHEET 37-2001

HYDRAULIC CALCULATIONS

BASIN A	PRE-DEVELOPMENT		POST-DEVELOPMENT	
	IMPERVIOUS AREA	0 SF	155,190 SF	
	10 yr	100 yr	10 yr	100 yr
Q (cfs)	5.34	7.67	8.40	12.09
C AVERAGE	0.36		0.48	
STORMWATER STORAGE (CF)			3745	5095

BASIN B	PRE-DEVELOPMENT		POST-DEVELOPMENT	
	IMPERVIOUS AREA	0 SF	8,250 SF	
	10 yr	100 yr	10 yr	100 yr
Q (cfs)	0.31	0.44	0.51	0.73
C AVERAGE	0.16		0.27	
STORMWATER STORAGE (CF)			276	383

APPROXIMATE EARTHWORK QUANTITIES

	CUBIC YARDS		
	CUT	FILL	NET
SITE GRADING	1905	1915	10 FILL
CEMETERY	2060	650	1410 CUT
PARKING LOT A	370	1240	870 FILL
PARKING LOT B	650	0	650 CUT
STORMWATER DETENTION AREA	795	0	795 CUT
MOSQUE, PLAZA, AND COMM BLDG	870	2140	1270 FILL
TOTAL SITE CUT AND FILL	6650	5945	705 CUT

NOTES:
 1. EARTHWORK QUANTITIES ARE APPROXIMATE AND SHALL BE INDEPENDENTLY VERIFIED BY THE CONTRACTOR FOR BIDDING PURPOSES.
 2. EXCESS SOIL SHALL BE HAULED OR PLACED IN A COUNTY APPROVED LOCATION.

BIOLOGICAL RESOURCES NOTES

A) IF LAND-CLEARING ACTIVITIES CAN BE PERFORMED OUTSIDE OF THE NESTING SEASON, THAT IS, BETWEEN AUGUST 16 AND JANUARY 31, NO SURVEYS FOR GROUND-NESTING AND/OR TREE-NESTING PASSERINES ARE WARRANTED. THE SURVEY AREA SHOULD INCLUDE ALL TREES AND SCRUB WITHIN 200 FEET OF THE LIMITS OF WORK. THE PURPOSE OF PRE-CONSTRUCTION SURVEYS IS TO DETERMINE IF OCCUPIED NESTS ARE PRESENT WITHIN THE ZONE OF INFLUENCE OF THE PROJECT.
 B) IF LAND-CLEARING ACTIVITIES ARE TO COMMENCE BETWEEN FEBRUARY 1 AND AUGUST 15, A PRE-CONSTRUCTION SURVEY FOR GROUND-NESTING AND/OR TREE-NESTING PASSERINES MUST BE CONDUCTED PRIOR TO THE INITIATION OF WORK. THE SURVEY AREA SHOULD INCLUDE ALL TREES, BUSHES, GRASSLAND AND STRUCTURES WITHIN 100 FEET OF THE LIMITS OF WORK. THE PURPOSE OF PRE-CONSTRUCTION SURVEYS IS TO DETERMINE IF OCCUPIED NESTS ARE PRESENT WITHIN THE ZONE OF INFLUENCE OF THE PROJECT.
 C) DEPENDING ON THE TIME OF YEAR AND DEPENDING ON THE RESULTS OF THE PRE-CONSTRUCTION SURVEYS, IT MAY BE NECESSARY THAT CONSTRUCTION ACTIVITIES COMMENCE WITHIN ONE WEEK OF THE SURVEY EARLY IN THE BREEDING SEASON TO AS LONG AS 30 DAYS LATE IN THE BREEDING SEASON, AS RECOMMENDED BY THE WILDLIFE BIOLOGIST. IF CONSTRUCTION IS NOT INITIATED WITHIN THESE WINDOWS, IT MAY BE NECESSARY TO REPEAT THE PRE-CONSTRUCTION SURVEYS.
 D) IF ANY OCCUPIED GROUND-NESTING AND/OR TREE-NESTING PASSERINE NESTS ARE FOUND WITHIN THE ZONE OF INFLUENCE, GRADING AND CONSTRUCTION SHALL BE PROHIBITED WITHIN AN APPROPRIATE SETBACK (IN GENERAL, 75-100 FEET, DEPENDING ON LINES OF SIGHT AND THE SPECIES IN QUESTION), AS APPROVED BY A QUALIFIED BIOLOGIST. WORK WITHIN THE SETBACK MUST BE DELAYED UNTIL AFTER THE YOUNG HAVE FLEDGED, AS DETERMINED DURING SURVEYS BY A QUALIFIED BIOLOGIST, OR UNTIL AFTER AUGUST 15.

ABBREVIATIONS

- BW BOTTOM OF WALL
- CB CATCH BASIN
- CONST CONSTRUCT
- DIA. DIAMETER
- DS DOWNSPOUT
- DTL DETAIL
- DWY DRIVEWAY
- (E) EXISTING
- EL ELEVATION
- EDP EDGE OF PAVEMENT
- FF FINISH FLOOR
- FG FINISH GRADE
- HP HIGH POINT
- INV INVERT
- LP LINEAR FEET
- LOW POINT
- MAX MAXIMUM
- N.T.S. NOT TO SCALE
- RW RETAINING WALL
- RM RIM ELEVATION
- S SLOPE
- SCCO SANTA CLARA COUNTY
- SSCO SANITARY SEWER CLEANOUT
- SDCO STORM DRAIN CLEANOUT
- TYP TYPICAL
- TW TOP OF WALL
- WS WATER SERVICE

STORM DRAIN SYSTEM MAINTENANCE

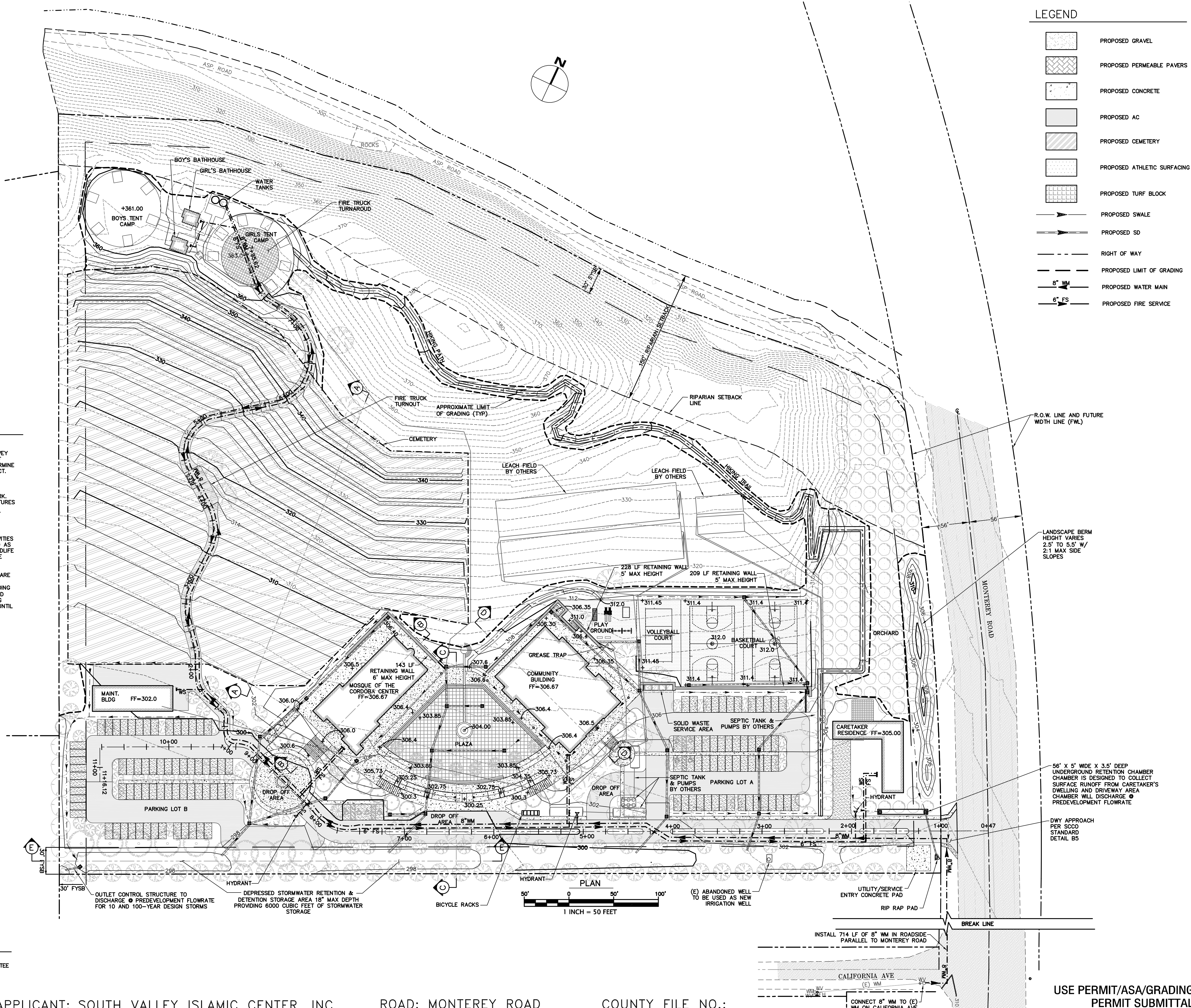
THE HOME OWNER IS RESPONSIBLE FOR MAINTAINING THE STORM DRAINAGE SYSTEM AND ALL COMPONENTS. EVERY YEAR, PRIOR TO THE WET WEATHER SEASON (OCTOBER 15TH) ALL THE CATCH BASINS AND STORM DRAIN CLEANOUTS SHALL BE INSPECTED AND CLEANED OF ANY DEBRIS, SILT, TRASH AND SEDIMENT.

STORM DRAINAGE NOTES

- CULVERTS SHALL BE REINFORCED CONCRETE PIPE (RCP), POLYVINYL CHLORIDE (PVC), OR HIGH DENSITY POLYETHYLENE (HDPE) AND SHALL HAVE A SMOOTH INTERIOR CONFORMING TO SANTA CLARA COUNTY DRAINAGE MANUAL.
- INLETS SHALL BE CHRISTY CONCRETE PRODUCTS OR APPROVED EQUAL.

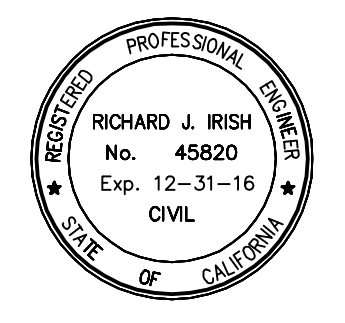
TOPOGRAPHIC SURVEY

THE TOPOGRAPHIC SURVEY AND BOUNDARY INFORMATION PROVIDED HEREON WAS COMPLETED BY CARNES AND ASSOCIATES, RI ENGINEERING INC. MAKES NO GUARANTEE AS TO THE ACCURACY OF BOTH. THE CONTRACTOR SHALL VERIFY THE BOUNDARY LOCATION AND TOPOGRAPHIC INFORMATION PRIOR TO COMMENCING WORK.



LEGEND

- PROPOSED GRAVEL
- PROPOSED PERMEABLE PAVERS
- PROPOSED CONCRETE
- PROPOSED AC
- PROPOSED CEMETERY
- PROPOSED ATHLETIC SURFACING
- PROPOSED TURF BLOCK
- PROPOSED SWALE
- PROPOSED SD
- RIGHT OF WAY
- PROPOSED LIMIT OF GRADING
- PROPOSED 8" WM
- PROPOSED 6" FS



05/17/2016

RI Engineering, Inc.
 303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
 831-425-3901 www.rengineering.com

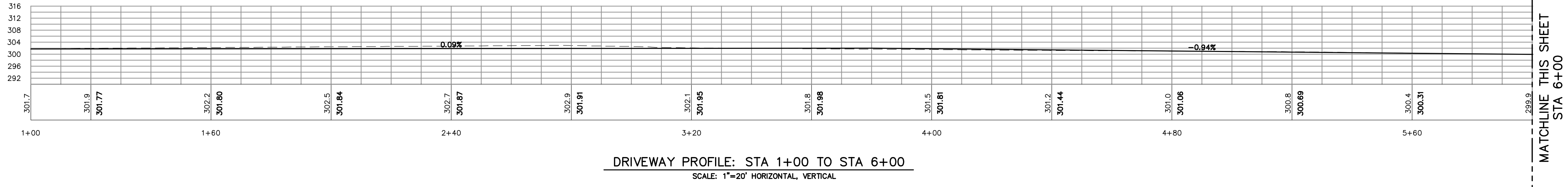
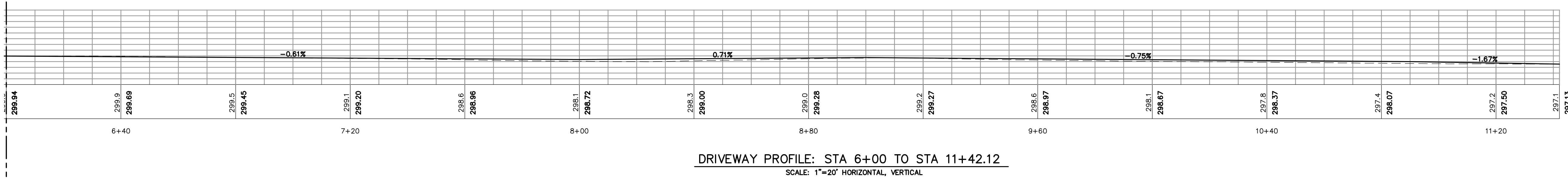
SITE IMPROVEMENT
 FOR
 CORDOBA CENTER
 MONTEREY ROAD
 SANTA CLARA COUNTY, CA
 APN # 779-06-02
PRELIMINARY GRADING PLAN

project no. 10-036-1
 date MAY 2016
 scale AS SHOWN
 dwg name CIVIL4.DWG

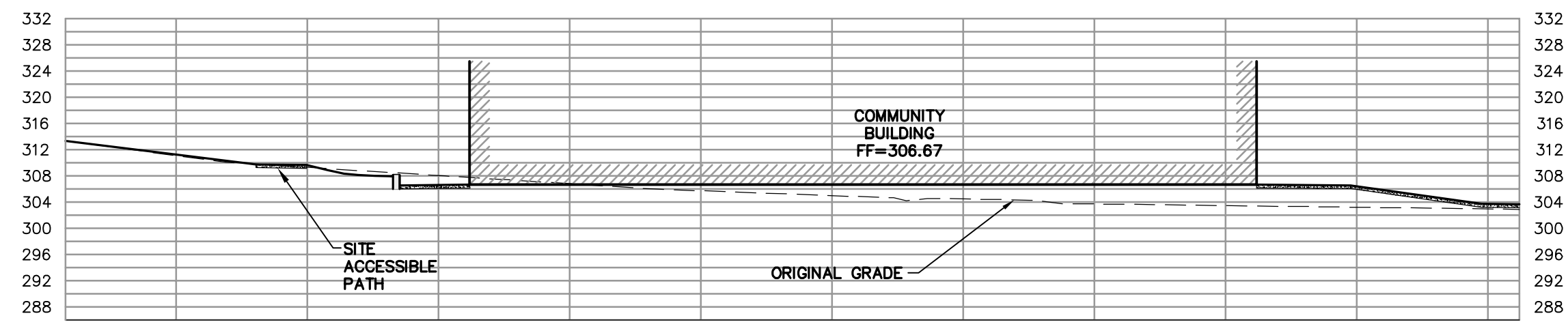
C-1

USE PERMIT/ASA/GRADING PERMIT SUBMITTAL

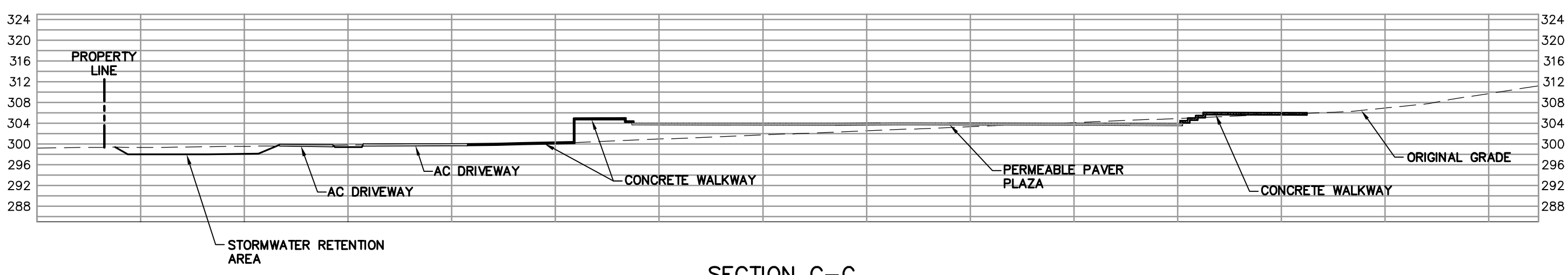
MATCHLINE THIS SHEET STA 6+00



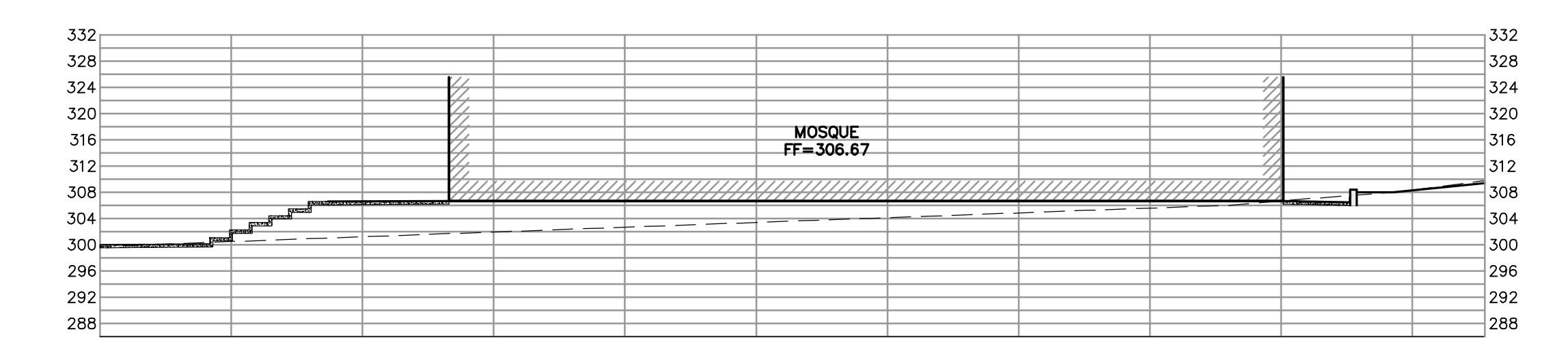
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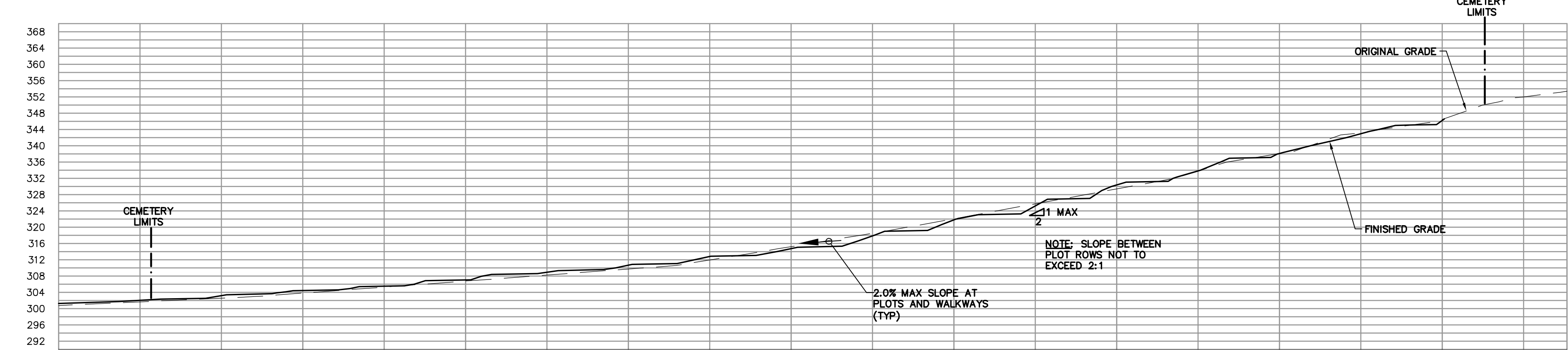
SECTION D-D
SCALE: 1"=50' HORIZONTAL, VERTICAL



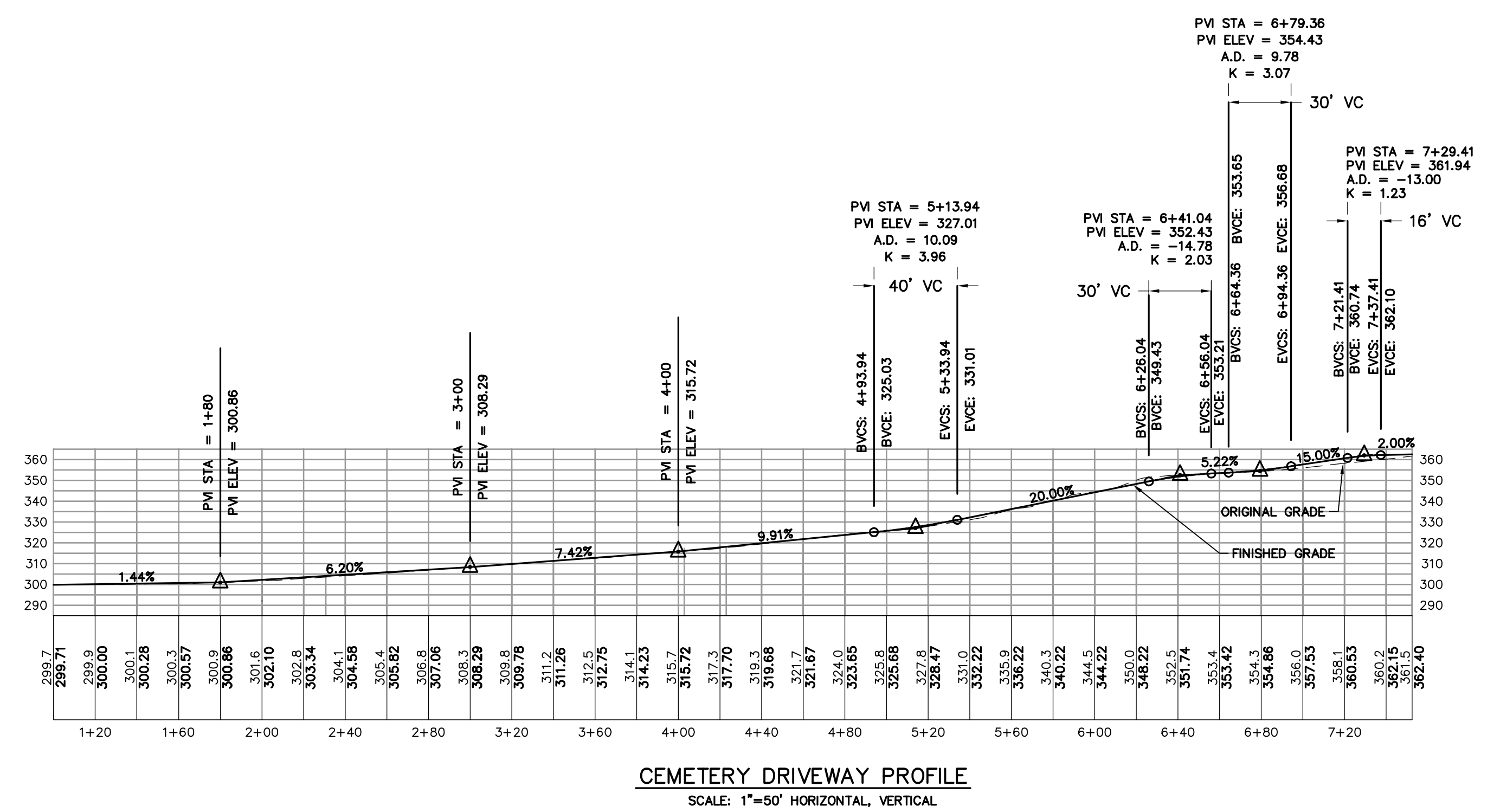
SECTION C-C
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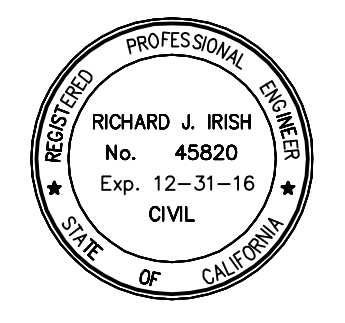
SECTION B-B
SCALE: 1"=50' HORIZONTAL, VERTICAL



SECTION A-A
SCALE: 1"=50' HORIZONTAL, VERTICAL



CEMETERY DRIVEWAY PROFILE
SCALE: 1"=50' HORIZONTAL, VERTICAL



05/17/2016

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831-425-3901 www.riengineering.com

SITE IMPROVEMENT
FOR
CORDORA CENTER
MONTEREY ROAD
SANTA CLARA COUNTY, CA
APN # 779-06-02

project no.
10-036-1
date
MAY 2016
scale
AS SHOWN
dwg name
CIVIL4.DWG

C-2

TOTAL AREA OF DISTURBANCE = 11.85 ACRES



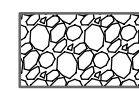
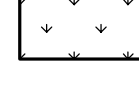
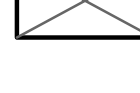
EROSION CONTROL MEASURES

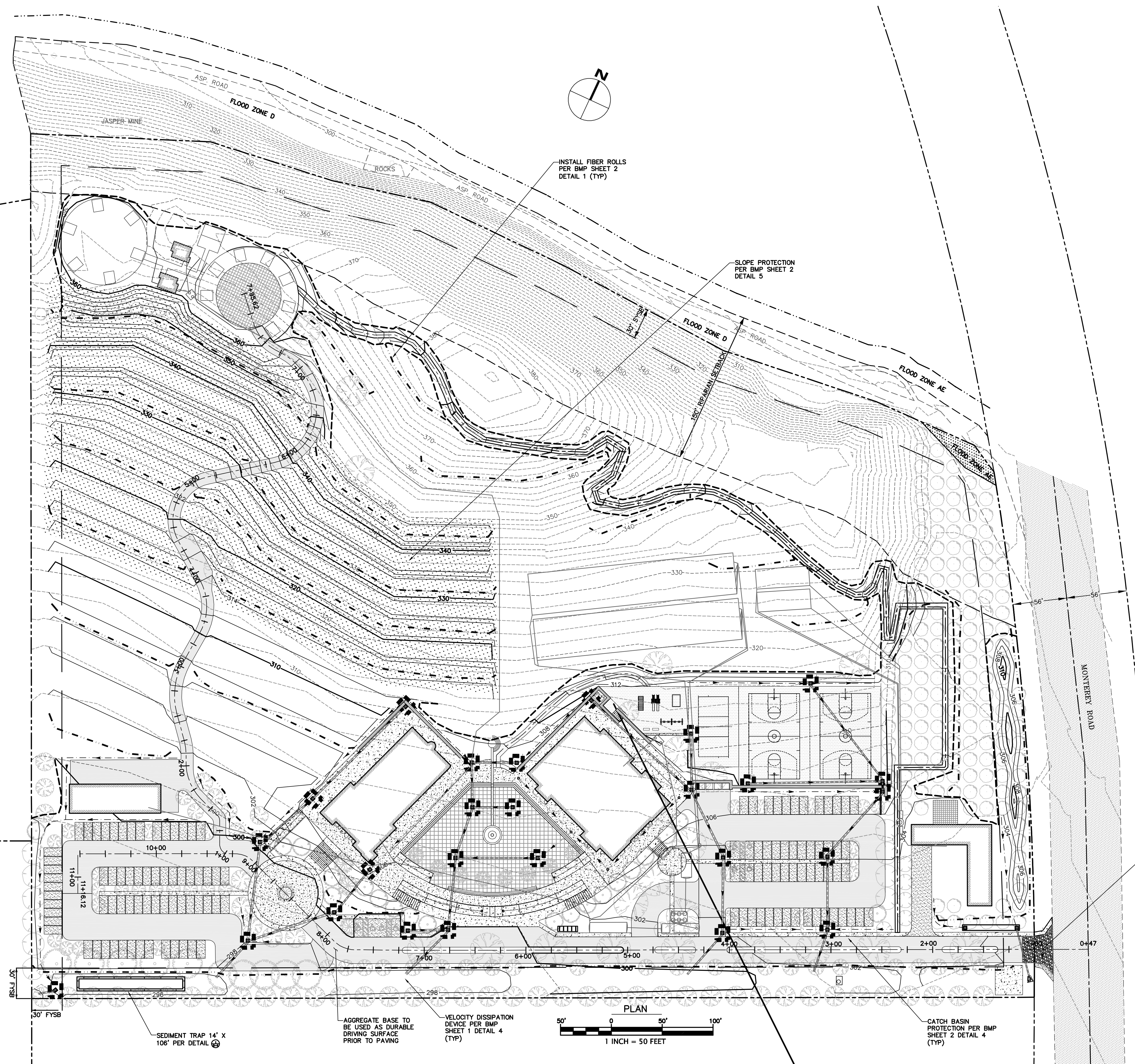
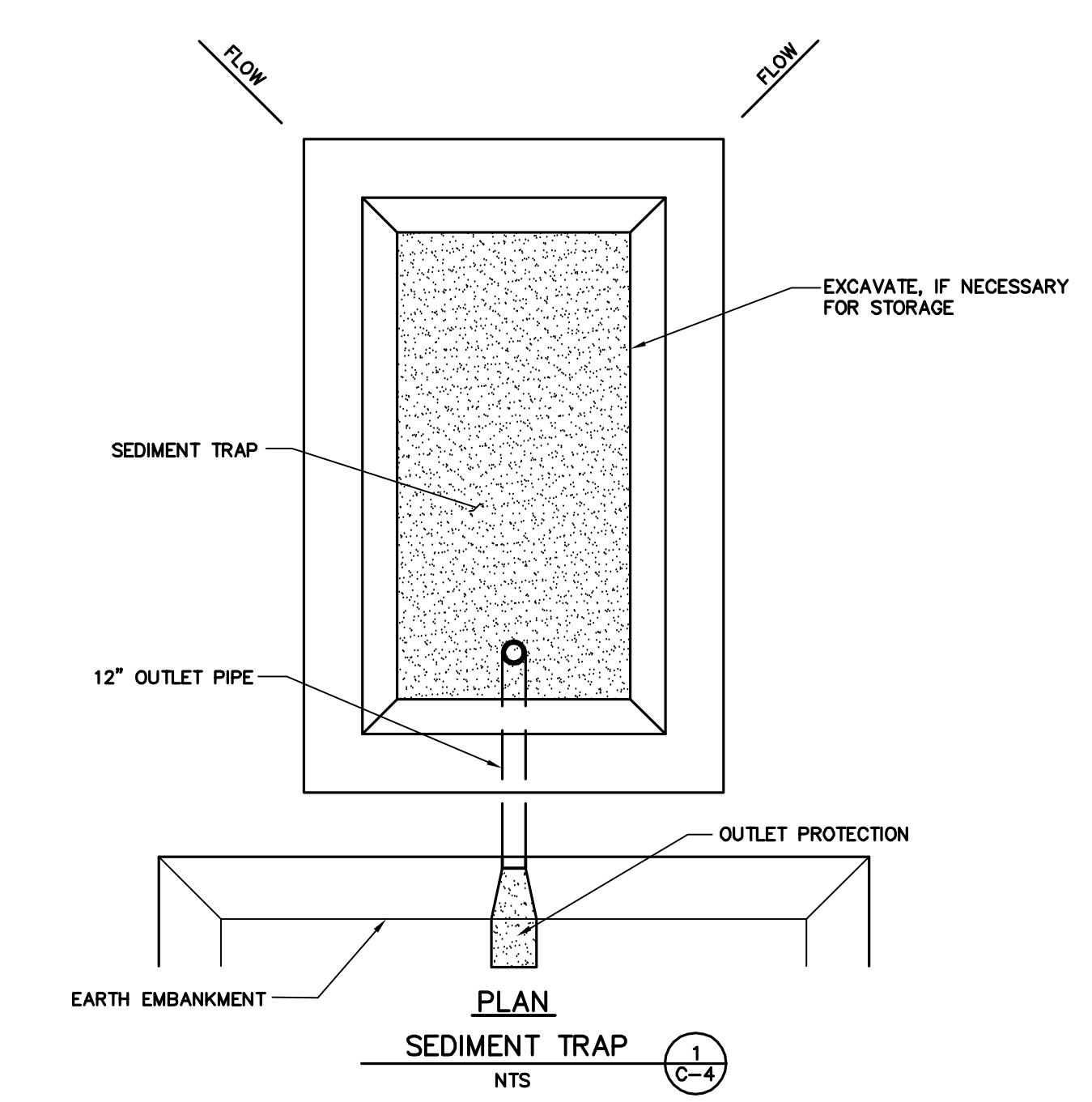
1. EROSION IS TO BE CONTROLLED AT ALL TIMES ALTHOUGH SPECIFIC MEASURES SHOWN DURING THE PERIOD OF OCTOBER 15TH TO APRIL 15TH. SHOWN MEASURES SHALL BE INSTALLED BY THE TIME OF THE INITIAL "GRADE STAKE" INSPECTION.
2. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
3. ALL DITCHES SHALL BE LINED WITH GRASS OR 4" HAND PLACED COBBLE.
4. ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED AT A RATE OF 5# BROME SEED PER 1000 SF SEEDING AND WATERING SHALL BE MAINTAINED TO ENSURE GROWTH.
5. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE AND OUTFALL EROSION CONTROLS, E.G. SACKED CONCRETE RIP-RAP, ENERGY DISSIPATORS 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.
6. PLANTING SHALL BE COMPLETED NOT MORE THAN 90 DAYS AFTER COMPLETION OF GRADING.
7. THE DESIRED END RESULT OF THESE MEASURES IS TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF THE SITE. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO SEE THAT ANY ADDITIONAL MEASURES NECESSARY TO MEET THIS GOAL ARE IMPLEMENTED. IF FAILED INSPECTIONS BY COUNTY STAFF SHOW THIS GOAL IS NOT BEING MET, ADDITIONAL MEASURES MAY BE REQUIRED.
8. GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICE.
9. IN ADDITION TO NOTE 4 ABOVE, SLOPES GREATER THAN 15' VERTICAL HEIGHT SHALL BE PLANTED WITH SHRUBS IN 2 1/4" POTS OR LARGER, SPACED AT INTERVALS OF 10' OR LESS ON CENTERS, OR TREES HAVING A ONE GALLON MINIMUM SIZE AT 20' INTERVALS, OR A COMBINATION OF TREES AND SHRUBS AT A SPACING APPROPRIATE TO THE SPECIES. THE PLANS SELECTED AND THE PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATE CONDITIONS OF THE SITE.

EXPOSED SLOPE MEASURES

1. COVER ALL EXPOSED SLOPES
2. STRAW 2 TONS/ACRE ON SLOPES ≤ 20% WITH SOIL BINDER
3. USE NORTH AMERICAN GREEN C125 OR EQUAL ON SLOPES >20%

EROSION CONTROL LEGEND

-  INSTALL SILT FENCE OR FIBER ROLL PER DETAILS THIS SHEET
-  INSTALL CATCH BASIN PROTECTION PER DETAIL THIS SHEET
-  INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL THIS SHEET
-  PROPOSED SLOPE PROTECTION
-  PROPOSED STAGING OR STOCK PILE AREA



	
<p>RI Engineering, Inc.</p> <p>303 Potrero St., Suite 42-202, Santa Cruz, CA 95060 831-425-3901 www.riengineering.com</p>	
<p>EROSION CONTROL PLAN</p>	
<p>SITE IMPROVEMENT FOR CORDOBA CENTER MONTEREY ROAD SANTA CLARA COUNTY, CA APN # 779-06-02</p>	
project no.	10-036-1
date	MAY 2016
scale	AS SHOWN
dwg name	CIVIL4.DWG
<p>C-3</p>	

APPLICANT: SOUTH VALLEY ISLAMIC CENTER, INC.

ROAD: MONTEREY ROAD

COUNTY FILE NO.:

USE PERMIT/ASA/GRADING PERMIT SUBMITTAL