

17/18-MB1: Organic Farm Parking Lot Improvement, Indian Valley Campus

ADDENDUM #2

Issued on: 8/03/17

Please see comments/clarifications below.

1. Please see attached Bid Addendum NO. #2

Summary:

1. Bid Alternate #1 is on the attached document
2. No revision to Specifications
3. The complete bid drawing set has been reissued for convenience. Only sheets with revisions are included in the description of changes. Revisions are indicated with a “cloud” and delta 1. Sheets with revisions are noted in the title block with Delta 1 Addendum 2.

Each Bidder must acknowledge each Addendum in its **Bid Form and Proposal** by number or its Bid shall be considered non-responsive. Each Addendum shall be part of the Contract Documents.

Bid Addendum No. 2

Date of Issuance: 02 August 2017
Project Name: College of Marin Indian Valley Campus
Organic Farm Parking Lot Improvements
Project Number: 1102-0005
Client: College of Marin

This addendum has been prepared to clarify, modify, delete, or add to the drawings and/or specifications for the above referenced project. The items listed herein supersede descriptions prior to the date listed above. All conditions not specifically referenced here shall remain the same. It is the obligation of the general contractor to make subcontractors aware of any items herein that may affect bids.

Narrative of Clarifications

1. No questions were received.

Bid Alternate #1

Scope of work:

Location – Sidewalk coming into the campus at Indian Valley Campus at 1800 Ignacio Blvd, Novato CA 94949
Approximately 5,500 Sq Ft (1,100 Linear Feet x 5 Foot wide x 4 Inches thick) sidewalk/concrete to be installed.

Current conditions:

Approximately 2,800 Sq Ft (560 Linear Feet x 8 Inches thick) of AC pavement/dirt has been removed in existing sidewalk

Installation/work to be performed:

Remove approximately 2,700 Sq Ft (540 Linear Feet x 5 Feet wide x 8 inches thick of AC pavement/dirt and off haul.

Fine grade and compact entire area (95%) approximately 5,500 Sq Ft for sidewalk

Install 5,500 Sq Ft x 4" thick AB and compact to 95%

Install 2x4 redwood forms (single sided)

Install 5,500 Sq Ft x 4" thick ready mix with expansion joints (per City of Novato)

Slope sidewalk to curb (1.5 %)

Added Specification Section 10270 – Access Flooring. Base bid to include 50 2'x2' panels for replacement of damaged access panels. Provide unit price per panel for 50 panels, should additional panels be needed.

No revision to Specifications

The complete bid drawing set has been reissued for convenience. Only sheets with revisions are included in the description of changes below. Revisions are indicated with a “cloud” and delta 1. Sheets with revisions are noted in the title block with Delta 1 Addendum 2.

Architectural Drawings

- A0.00 Index Sheet (Replacement sheet)
 - Added new sheets C1.00, C5.00.
 - Included sheet E0.02, previously issued but not listed
- A0.30 Site Accessibility Plan (Replacement Sheet)
 - Parking lot and stair layout revisions
- A0.31 Accessibility Details (Replacement sheet)
 - Detail revised, detail removed

Civil Drawings

- C1.00 Demo Plan (New sheet)
- C2.0 Grading and Drainage Plan (Replacement Sheet)
 - Parking lot and stair layout revisions
- C3.0 Utility Plan (Replacement sheet)
 - Parking lot and stair layout revisions
- C4.0 Civil Details (Replacement Sheet)
 - Detail revisions
- C5.0 Erosion Control Plan (New Sheet)

Architectural Drawings

- A1.00 Site Plan (Replacement sheet)
 - Parking lot and stair layout revisions
- A1.11 Site Details (Replacement Sheet)
 - Stair layout revision

Electrical Drawings

- E0.01 Symbol List, Drawing Index & Details (Replacement sheet.)
 - Revision to fixture schedule
- E1.00 Electrical Site Plan (Replacement sheet)
 - Revision to lighting
 - Conduit requirements added

Landscape Drawings

- L1.00 Landscape Plan (Replacement sheet)
 - Parking lot and stair layout revisions
- L2.00 Irrigation Plan (Replacement Sheet)
 - Parking lot and stair layout revisions

End of Addendum No. 2

ABBREVIATIONS & CHARACTER SYMBOLS

#	POUND OR NUMBER	JAN.	JANITOR
(E)	EXISTING	JT.	JOINT
(N)	NEW	L.F.	LINEAL FOOT
@	AT	LAM.	LAMINATE
L	ANGLE	LAV.	LAVATORY
Ø	DIAMETER OR ROUND	LKR.	LOCKER
ε	CENTERLINE	LT.	LIGHT
ε	PROPERTY LINE	M.H.	MANHOLE
A.C.	ASPHALT CONCRETE	M.O.	MASONRY OPENING
A.C.P.	ALUMINUM COMPOSITE PANEL	MAX.	MAXIMUM
A.D.	AREA DRAIN	MECH.	MECHANICAL
A.F.F.	ABOVE FINISH FLOOR	MED.	MEDIUM
A.L.S.	ASSISTED LISTENING SYSTEM	MEMB.	MEMBRANE
ADJ.	ADJUSTABLE OR ADJACENT	MFR.	MANUFACTURER
AGGR.	AGGREGATE	MIN.	MINIMUM
ALUM.	ALUMINUM	MIR.	MIRROR
APPROX.	APPROXIMATELY	MISC.	MISCELLANEOUS
ARCH.	ARCHITECTURAL	MTD.	MOUNTED
ASB.	ASBESTOS	MTL.	METAL
ASPH.	ASPHALT	MULL.	MULLION
BD.	BOARD	N.	NORTH
BITUM.	BITUMINOUS	N.I.C.	NOT IN CONTRACT
BLDG.	BUILDING	N.R.	NON RATED
BLK.	BLOCK	N.T.S.	NOT TO SCALE
BLKG.	BLOCKING	N.	NUMBER
BM.	BEAM	NOM.	NOMINAL
BOTT.	BOTTOM	O.A.	OVERALL
C.B.	CATCH BASIN	O.C.	ON CENTER
C.B.C.	CALIFORNIA BUILDING CODE	O.D.	OUTSIDE DIAMETER
C.G.	CORNER GUARD	O.F.C.I.	OWNER FURNISHED CONTRACTOR
C.I.	CAST IRON	O.F.D.	OVERFLOW DRAIN
C.I.P.	CAST IN PLACE	O.F.O.I.	OWNER FURNISHED OWNER
C.J.	CONTROL JOINT	O.H.	OPPOSITE HAND
C.L.	CENTERLINE	O.S.B.	ORIENTED STRAND BOARD
C.O.	CASED OPENING	O.	OVER
C.W.	CURTAIN WALL	OBS.	OBSOLETE
CAB.	CABINET	OCC.	OCCUPANTS OR OCCUPANCY
CEM.	CEMENT	OFC.	OFFICE
CER.	CERAMIC	OPNG.	OPENING
CLC.	CEILING	OPP.	OPPOSITE
CLG.	CAULKING	P.L.	PROPERTY LINE
CLO.	CLOSET	P.LAM.	PLASTIC LAMINATE
CLR.	CLEAR	P.T.D.	PAPER TOWEL DISPENSER
CNTR.	COUNTER	P.T.D.R.	PAPER TOWEL DISPENSER/RECEPTACLE
COL.	COLUMN	P.T.D.F.	PRESSURE TREATED DOUG FIR
COMP.	COMPOSITE	PL.	PLATE
CONC.	CONCRETE	PLAS.	PLASTER
CONN.	CONNECTION	PLYWD.	PLYWOOD
CONSTR.	CONSTRUCTION	PNTD.	PAINTED
CONT.	CONTINUOUS	PR.	PAIR
CORR.	CORRIDOR	PRCST.	PRECAST
CTR.	CENTER	R.C.	RESILIENT CHANNEL
CTSK.	COUNTERSUNK	R.D.	ROOF DRAIN
D.F.	DRINKING FOUNTAIN	R.O.	ROUGH OPENING
D.G.	DECOMPOSED GRANITE	R.R.	RESTROOM
D.O.	DOOR OPENING	R.W.L.	RAIN WATER LEADER
D.S.	DOWNSPOUT	RAD.	RADIUS
D.S.P.	DRY STANDPIPE	REC.	RECESSED
D.O.	DOUBLE	REF.	REFERENCE
DEMO.	DEMOLISH	REFR.	REFRIGERATOR
DEPT.	DEPARTMENT	REINF.	REINFORCED
DET.	DETAIL	REQ.	REQUIRED
DIA.	DIAMETER	RESIL.	RESILIENT
DIM.	DIMENSION	RGTR.	REGISTER
DISP.	DISPENSER	RISER.	RISER
DN.	DOWN	RM.	ROOM
DR.	DOOR	RWD.	REDWOOD
DTL.	DETAIL	S.	SOUTH
DWG.	DRAWING	S.A.M.	SELF-ADHERED MEMBRANE
DWR.	DRAWER	S.C.	SOLID CORE
E.	EAST	S.C.D.	SEAT COVER DISPENSER
E.J.	EXPANSION JOINT	S.D.	SOAP DISPENSER
E.O.S.	EDGE OF SLAB	S.F.	SQUARE FOOT
E.P.	ELEC. PANEL	S.M.S.	SHEET METAL SCREW
E.W.C.	ELEC. WATER COOLER	S.N.D.	SANITARY NAPKIN DISPENSER
EA.	EACH	S.N.R.	SANITARY NAPKIN RECEPTACLE
ELC.	ELEVATION	S.O.G.	SLAB ON GRADE
ELEV.	ELEVATOR	S.S.	STAINLESS STEEL
EMER.	EMERGENCY	SCHED.	SCHEDULE
ENCL.	ENCLOSURE	SECT.	SECTION
EQ.	EQUAL	SEP.	SEPARATE OR SEPARATION
EQPT.	EQUIPMENT	SHT.	SHEET
EXP.	EXPANSION	SHTG.	SHEATHING
EXPO.	EXPOSED	SHWR.	SHOWER
EXST.	EXISTING	SIM.	SIMILAR
EXT.	EXTERIOR	SPEC.	SPECIFICATION
F.A.	FIRE ALARM	SO.	SQUARE
F.B.	FLAT BAR	ST.	STATION
F.D.	FLOOR DRAIN	STD.	STANDARD
F.E.	FIRE EXTINGUISHER	STL.	STEEL
F.E.C.	FIRE EXTINGUISHER CABINET	STOR.	STORAGE
F.F.	FIRE FLOOR	STR.	STRUCTURAL
F.H.C.	FIRE HOSE CABINET	SUSP.	SUSPENDED
F.O.C.	FACE OF CONCRETE	SUSP.	SUSPENDED
F.O.F.	FACE OF FINISH	SYM.	SYMMETRICAL
F.O.M.	FACE OF MASONRY	T&G	TONGUE AND GROOVE
F.O.S.	FACE OF STUD	T.	TEMPERED GLASS
F.S.	FIRE SPRINKLER	T.B.	TOWEL BAR
FDN.	FOUNDATION	T.O.C.	TOP OF CONCRETE
FIN.	FINISH	T.O.P.	TOP OF PARAPET
FL.	FLOOR	T.O.STL.	TOP OF STEEL
FLASH.	FLASHING	T.O.W.	TOP OF WALL
FLUOR.	FLUORESCENT	T.P.	TOP OF PAVEMENT
FRPF.	FIREPROOF	T.P.D.	TOILET PAPER DISPENSER
FRMG.	FRAMING	TEL.	TELEPHONE
FT.	FOOT OR FEET	TER.	TERRAZZO
FTG.	FOOTING	THK.	THICK
FURR.	FURRING	TRANS.	TRANSITION
FUT.	FUTURE	TRD.	TREAD
G.B.	GRAB BAR	TYP.	TYPICAL
G.S.M.	GALVANIZED SHEET METAL	U.O.N.	UNLESS OTHERWISE NOTED
GA.	GAUGE	UNF.	UNFINISHED
GALV.	GALVANIZED	UR.	URINAL
GL.	GLASS	UTIL.	UTILITY
GND.	GROUND	V.I.F.	VERIFY IN FIELD
GR.	GRADE	VER.	VERIFY
GYP.	GYPSPUM	VERT.	VERTICAL
H.B.	HOSE BIB	VEST.	VESTIBULE
H.C.	HOLLOW CORE	W.	WEST
H.M.	HOLLOW METAL	W.C.	WATER CLOSET
HDWD.	HARDWOOD	W.O.	WHERE OCCURS
HDWR.	HARDWARE	W.P.	WATERPROOF
HORIZ.	HORIZONTAL	W.V.	WOOD VENEER
HR.	HOUR	W.	WITH
HT.	HEIGHT	W/O	WITHOUT
I.D.	INSIDE DIAMETER	WD.	WOOD
I.S.A.	INTERNATIONAL SYMBOL OF ACCESSIBILITY	WSCT.	WAINSCOT
INSUL.	INSULATION	WT.	WEIGHT
INT.	INTERIOR		

DRAFTING & MATERIAL SYMBOLS

	FLOW LINE		EARTH
	NEW CONTOUR		POROUS FILL
	EXISTING CONTOUR		CONCRETE
	CENTER LINE		CAST STONE
	PROPERTY LINE		CONCRETE BLOCK
	PROJECTED LINE		BRICK
	HIDDEN LINE		METAL
	BREAK LINE		CONTINUOUS WOOD
	MATCH LINE		SHIM OR NON-CONT. WOOD BLOCKING
	CONTRACT LIMIT LINE		FINISH WOOD
	ELEVATION MARK OR DATUM POINT		PLYWOOD
	WALL TYPE		GYPSPUM WALLBOARD
	REVISION MARK		STONE
	GRID LINES		RIGID INSULATION
	NUMBERS VERTICAL		BATT INSULATION
	LETTERS HORIZONTAL		ACOUSTIC TILE
	NORTH ARROW		PLASTER ON METAL LATH
	ROOM NAME AND NUMBER		PAVING
	DOOR NUMBER		TILE
	WINDOW TYPE		GLASS
	EQUIPMENT TYPE		EXPANSION MATERIAL
	KEYNOTE		SEALANT W/ BACK-UP MATERIAL
	SECTION (BUILDING)		CARPET
	SECTION IDENTIFICATION		INTERIOR ELEVATION
	SHEET WHERE SECTION IS DRAWN		ELEVATION IDENTIFICATION
	PARTIAL SECTION		SHEET WHERE ELEVATION IS DRAWN
	SECTION IDENTIFICATION		VIEW SHOWN
	SHEET WHERE SECTION IS DRAWN		ALIGN FINISH SURFACES
	DETAIL IDENTIFICATION		
	SHEET WHERE DETAIL IS DRAWN		

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO STARTING CONSTRUCTION. SHOULD A DISCREPANCY APPEAR IN THE SPECIFICATIONS OR DRAWINGS, OR IN THE WORK DONE BY OTHERS FROM THE CONTRACT DOCUMENTS THAT AFFECT ANY WORK, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTION ON HOW TO PROCEED. IF THE CONTRACTOR PROCEEDS WITH THE WORK AFFECTED WITHOUT INSTRUCTIONS FROM THE ARCHITECT, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT TO THE SATISFACTION OF THE ARCHITECT. SHOULD A CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR WHERE DETAIL REFERENCES ON CONTRACT DRAWINGS HAVE BEEN OMITTED, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED THE MOST EXPENSIVE MATERIALS AND CONSTRUCTION METHOD INVOLVED, UNLESS A WRITTEN DECISION FROM THE ARCHITECT HAS BEEN OBTAINED WHICH DESCRIBES AN ALTERNATE METHOD AND/OR MATERIALS.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS ON THE SITE TO AREAS PERMITTED BY THE OWNER. THE WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LAWS, LOCAL ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS. THE JOB SITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY CONDITION FREE OF DEBRIS AND LITTER, AND SHALL NOT BE UNREASONABLY ENCUMBERED WITH ANY MATERIALS OR EQUIPMENT. EACH SUB-CONTRACTOR IMMEDIATELY UPON COMPLETION OF EACH PHASE OF HIS WORK SHALL REMOVE ALL TRASH AND DEBRIS AS A RESULT OF HIS OPERATION.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS OR DRAWINGS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
- DIMENSIONING RULES:
 - NOTED DIMENSIONS SHALL AT ALL TIMES TAKE PRECEDENCE OVER SCALED DIMENSIONS
 - ALL DIMENSIONS OF NEW WORK ARE TO THE FACE OF STUD U.O.N.
 - ALL DIMENSIONS OF EXISTING WORK ARE TO FACE OF FINISH U.O.N.
 - CEILING HEIGHT DIMENSIONS ARE FROM TOP OF FLOOR SLAB TO FINISH FACE OF CEILING.
 - DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE PRECISELY MAINTAINED.
 - DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT.
 - VERTICAL DIMENSIONS ARE FROM THE TOP OF THE FLOOR SLAB DATUM LINE, ESTABLISHED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE OWNER OR ARCHITECT, UNLESS OTHERWISE NOTED.
 - DIMENSIONS MARKED "A.F.F." ARE ABOVE FINISHED FLOOR MATERIALS. IN CARPETED AREAS, THE TOP OF SLAB IS CONSIDERED TO BE THE FINISHED FLOOR.
 - DIMENSIONS MARKED V.I.F. SHALL BE "VERIFIED" IN THE FIELD BY THE CONTRACTOR.
 - ALL DIMENSIONS ARE TO STRUCTURAL COMPONENTS UNLESS OTHERWISE NOTED.
 - DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB, U.N.O.
- SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA-ACCESS BEFORE PROCEEDING WITH THE WORK.

DRAWING INDEX

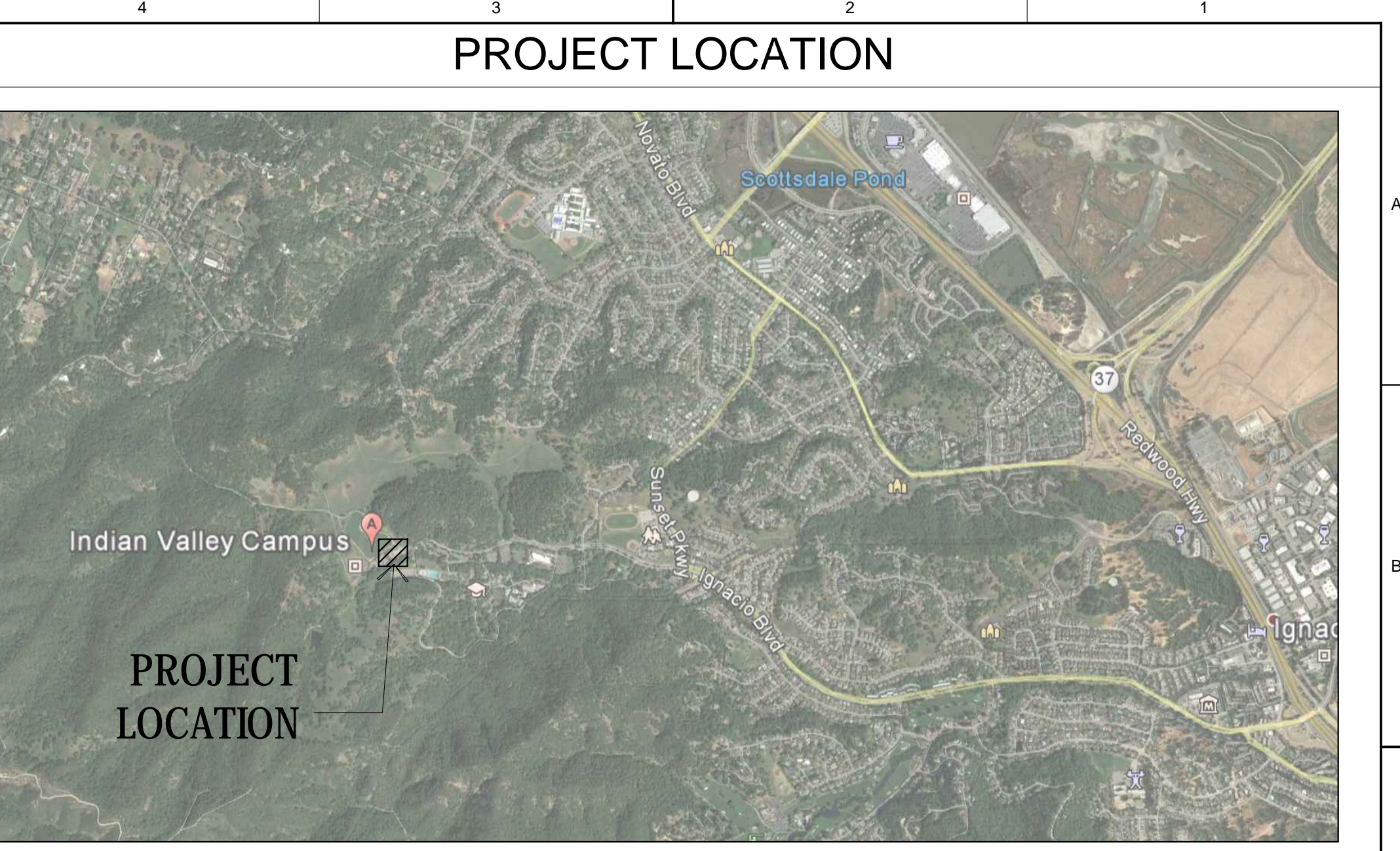
SHEETS	
A0.00	INDEX SHEET
A0.01	CALGREEN CHECKLIST (DSA)
A0.02	CALGREEN CHECKLIST (DSA)
A0.10	OVERALL CAMPUS PLAN
A0.30	SITE ACCESSIBILITY PLAN
A0.31	ACCESSIBILITY DETAILS
C1.00	DEMO PLAN
C2.00	GRADING AND DRAINAGE PLAN
C3.0	UTILITY PLAN
C4.0	CIVIL DETAILS
C5.00	EROSION CONTROL PLAN
A1.00	SITE PLAN
A1.11	SITE DETAILS
E0.01	SYMBOLS LIST, DRAWING INDEX & DETAILS
E0.02	TITLE 24
E1.00	ELECTRICAL SITE PLAN
L1.00	LANDSCAPE PLAN
L1.11	LANDSCAPE DETAILS
L2.00	IRRIGATION PLAN
L2.11	IRRIGATION DETAILS

PROJECT DESCRIPTION

PARKING LOT IMPROVEMENTS FOR ADJACENT FARM AND POOL. THE PROJECT ADDS A WATER QUALITY SWALE, PARKING LOT SHADE TREES, AND AN ADA ACCESSIBILITY WALK AND STAIRS TO FARM. IMPROVEMENTS INCREASE PARKING COUNT WITHOUT INCREASING PAVED AREAS.

APPLICABLE CODES

2016	CALIFORNIA BUILDING CODE (CBC)
2016	ADA
2016	CALIFORNIA PLUMBING CODE (CPC)
2016	CALIFORNIA ELECTRICAL CODE (CEC)



PROJECT INFORMATION

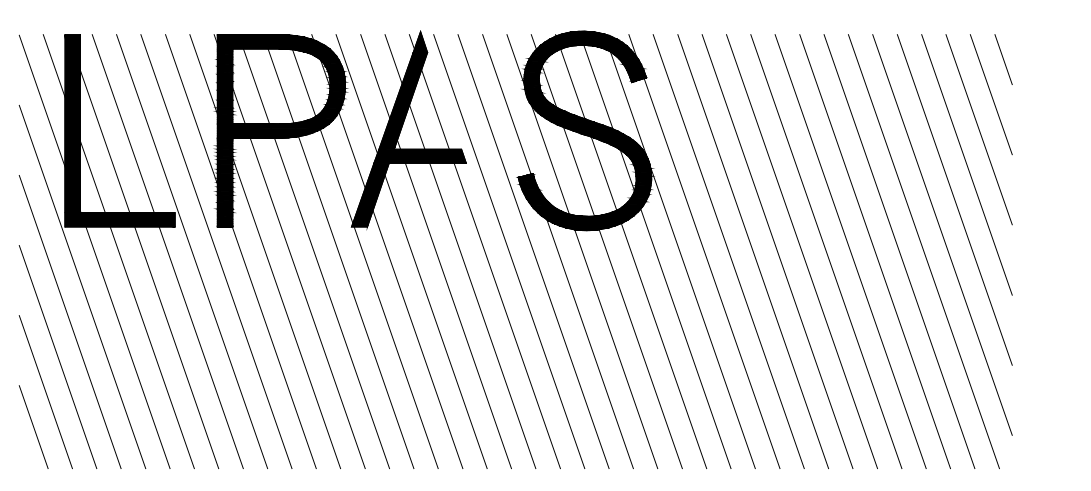
PROJECT NAME:	ORGANIC FARM PARKING LOT IMPROVEMENTS COLLEGE OF MARIN, INDIAN VALLEY CAMPUS
PROJECT LOCATION:	1800 IGNACIO BLVD, NOVATO, CA 94949

CONTACT INFORMATION

OWNER	COLLEGE OF MARIN CONTACT: GREG NELSON PH: 415-884-3101
LANDSCAPE ARCHITECT	LPAS 2484 NATOMAS PARK DR., SUITE 100 SACRAMENTO, CA 95833 PH: (916) 443-0335 FAX (916) 441-2823

PROJECT TEAM

OWNER	COLLEGE OF MARIN CONTACT: GREG NELSON PH: 415-884-3101
LANDSCAPE ARCHITECT	LPAS 2484 NATOMAS PARK DR., SUITE 100 SACRAMENTO, CA 95833 PH: (916) 443-0335 FAX (916) 441-2823
ELECTRICAL ENGINEER	THE ENGINEERING ENTERPRISE 1125 HIGH STREET AUBURN, CA 95603 PH: (530) 886-8556
CIVIL ENGINEER	CSW 45 Leveroni Court Novato, CA 94949 PH: (415)-883-9850



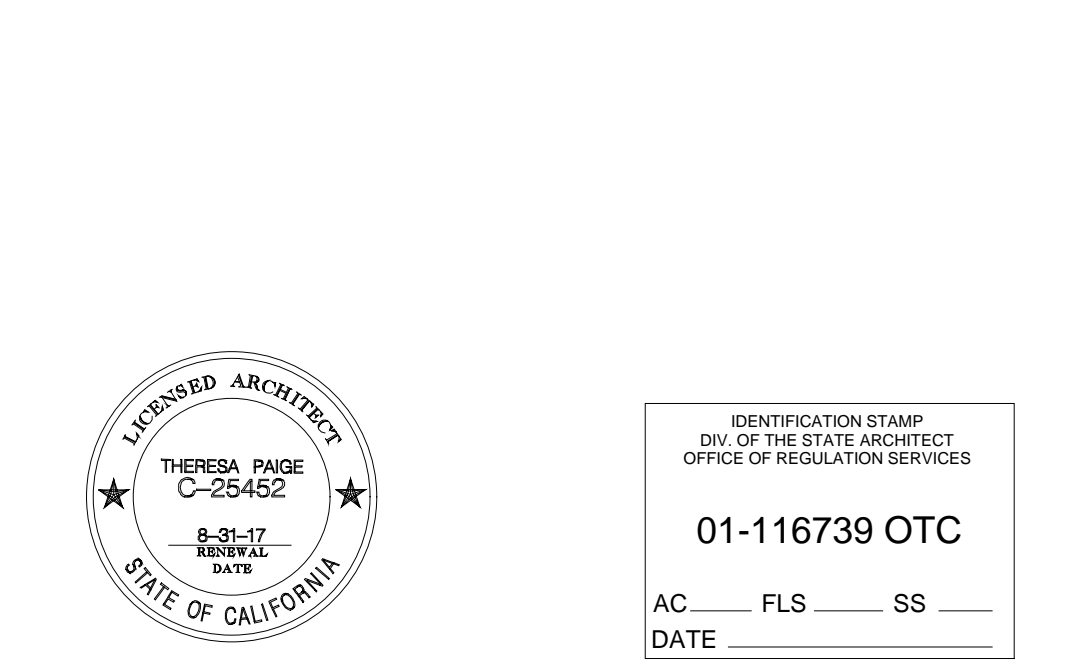
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

NO.	ISSUE	DATE
1	BID ADDENDUM #2	08.02.17



ARCHITECT'S STAMP APPROVAL

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CONSULTANT

INDEX SHEET

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

A0.00

COLLEGE OF MARIN
INDIAN VALLEY CAMPUS

ORGANIC FARM
PARKING LOT IMPROVEMENTS

MARIN, CA

CALGREEN
CHECKLIST (DSA)

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

A0.01

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

Attachment 1
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE
Division of the State Architect – Structural Safety (DSA-SS)
(CGR, Title 24, Part 11)

APPLICATION MATRIX	Mandatory Chapter 5
DIVISION 5.1 - PLANNING AND DESIGN SITE DEVELOPMENT	
5.106.4.2 Bicycle parking. For public schools and community colleges comply with Sections 5.106.4.2.1 and 5.106.4.2.2.	
5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.	NA
5.106.4.2.2 Staff bicycle parking. Provide permanent secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable parking facilities shall be convenient from the street or staff parking area and shall meet one of the following: 1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers.	NA
5.106.4 Light pollution reduction [N]. Outdoor lighting systems shall be designed and installed to comply with the following: 1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent. Exceptions: [N] 1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code. 2. Emergency lighting. 3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction	NA

GL-4 (rev Input New Date)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways. Table 5.106.8	
5.106.10 Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 1. Swales. 2. Water collection and disposal systems. 3. French drains. 4. Water retention gardens. 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path.	NA
DIVISION 5.2 - ENERGY EFFICIENCY GENERAL	
5.201.1 California Energy Code. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards. New construction, additions, and alterations must comply with the California Energy Code. Refer to California Energy Code Table 100.0-A	NA
DIVISION 5.3 - WATER EFFICIENCY AND CONSERVATION INDOOR WATER USE	
5.303.3 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following: 5.303.3.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for Tank-Type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush. 5.303.3.2 Urinals. 5.303.3.2.1 Wall mounted urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush. 5.303.3.2.2 Floor mounted urinals. The effective flush volume of floor mounted or other urinals shall not exceed 0.5 gallons per flush.	NA

GL-4 (rev Input New Date)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 3 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
5.303.3.3 Showerheads 5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for showerheads. 5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the showerhead shall be designed to allow only one shower outlet to be in operation at one time. Note: A hand-held shower shall be considered a showerhead. 5.303.3.4 Faucets and fountains. 5.303.3.4.1 Non-residential lavatory faucets. Non-residential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi. 5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the minimum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi. 5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/200 square inches (inches) at 60 psi. 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle. 5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/200 square inches (inches) at 60 psi. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction. 5.303.6 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.	NA

GL-4 (rev Input New Date)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 4 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
OUTDOOR WATER USE	
5.304.6 Outdoor potable water use in landscape areas. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35. Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO. 5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet. 5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.	NA
DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY WATER RESISTANCE AND MOISTURE MANAGEMENT	
5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code, Section 1403.2 (Weather Protection) and California Energy Code Section 160, (Mandatory Features and Devices), manufacturer's installation instructions, or local ordinance, whichever is more stringent. 5.407.2 Moisture control. Employ moisture control measures by the following methods: 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. 5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows: 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following: 1. An installed awning at least 4 feet in depth. 2. The door is protected by a roof overhang at least 4 feet in depth. 3. The door is recessed at least 4 feet. 4. Other methods which provide equivalent protection. 5.407.2.2.2 Flashing. Installed flashing integrated with a drainage plane.	NA

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DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 5 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING	
5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent. 5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that: 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section. Note: The owner or contractor shall make the determination of the construction and demolition waste material will be diverted by a waste management company. Exceptions to Sections 5.408.1.1 and 5.408.1.2: 1. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist. 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets. 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.	NA

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DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 6 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
BUILDING MAINTENANCE AND OPERATION	
5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. Exception: Rural jurisdictions that meet and apply for the exemption of Public Resources Code 42649.82 (a)(2)(A) at seq. will also be exempt from the organic waste portion of this section. 5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 16, Part 3, Division 30 of the Public Resources Code. Chapter 16 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act). Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's website.	NA
DIVISION 5.5 ENVIRONMENTAL QUALITY POLLUTANT CONTROL	
5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system. 5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6. 5.504.4.1 Adhesives, sealants, and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCQMMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene, and trichloroethylene), except for aerosol products as specified in Subsection 2, below. 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507. TABLE 5.504.4.1 - ADHESIVE VOC LIMIT; TABLE 5.504.4.2 - SEALANT VOC LIMIT	NA

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DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 7 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3, shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat, or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply. TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS 5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the PVMIR limits for R0C in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49. 5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet at least one of the following testing and product requirements: 1. Carpet and Rug Institute's Green Label Plus Program. 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1, or Specification 01350). 3. NSF/ANSI 140 at the Gold level or higher. 4. Scientific Certifications Systems Sustainable Choice; or 5. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria Interpretation for EQ 7.0 and EQ 7.1 (formerly EQ 2.2) dated July 2012 and listed in the CHPS High Performance Product Database. 5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program. 5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1. 5.504.4.5 Composite wood products. Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted by the ATCM must meet the specified emission limits as shown in Table 5.504.4.5. TABLE 5.504.4.5 - FORMALDEHYDE LIMITS	NA

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DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 8 of 11

DSA PROJECT SUBMITTAL GUIDELINE-4
CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following: 1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program; 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010; 3. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria Interpretation for EQ 7.0 and EQ 7.1 (formerly EQ 2.2) dated July 2012 and listed in the CHPS High Performance Product Database; or 4. Products certified under the UL GREENGUARD Gold (formerly the Greenguard Children & Schools program). 5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. MERV 8 filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. Exceptions: 1. An ASHRAE 10-percent to 15-percent efficiency filter shall be permitted for an HVAC unit meeting the 2016 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W/cfm or less at the design air flow. 2. Existing mechanical equipment. 5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.	NA
INDOOR MOISTURE CONTROL	
5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of California Building Code, CGR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code.	NA
INDOOR AIR QUALITY	
5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 1201.1 (Requirements For Ventilation) of the 2016 California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CGR, Title 8.	NA

GL-4 (rev Input New Date)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 9 of 11

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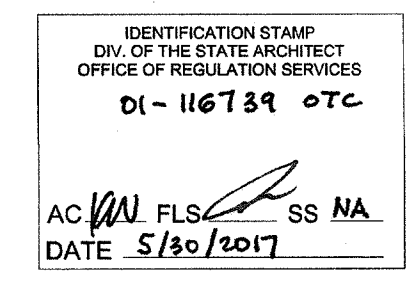
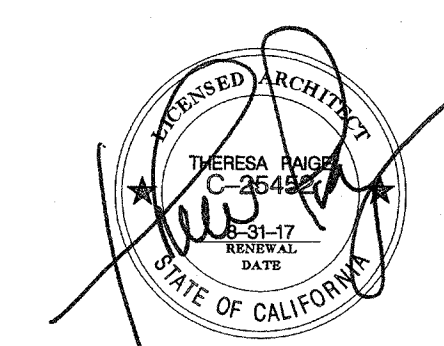
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DATE 5/30/2017

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CONSULTANT

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM
 PARKING LOT IMPROVEMENTS
 MARIN, CA



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CALGREEN CHECKLIST (DSA)

PROJECT NO: 1102-0005
 DATE: 05.30.17

SHEET NO:

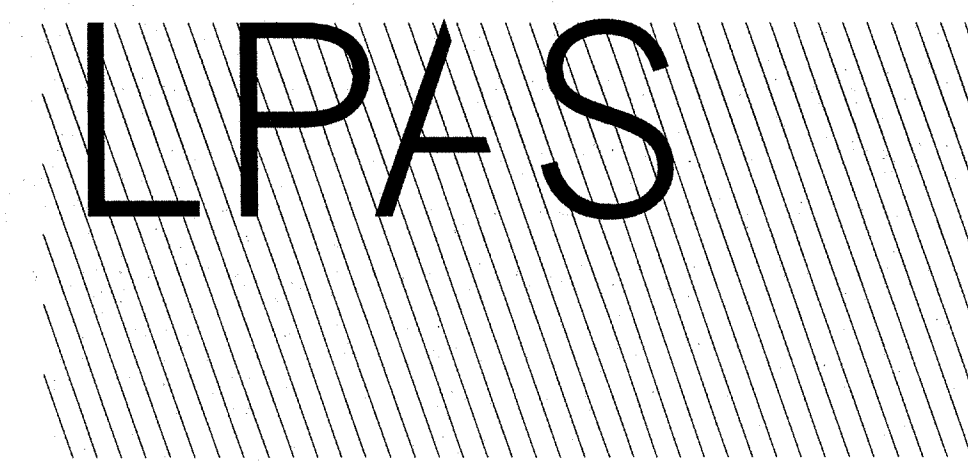
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DSA PROJECT SUBMITTAL GUIDELINE-4 CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
ENVIRONMENTAL COMFORT	
<p>5.507.4 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.</p> <p>Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.</p> <p>Exception: [DSA-SS] For public schools and community colleges, the requirement of this section and all subsections apply only to new construction.</p> <p>5.507.4.1 Exterior noise transmission prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:</p> <ol style="list-style-type: none"> Within the 65 CNEL noise contour of an airport. <p>Exceptions:</p> <ol style="list-style-type: none"> L_{eq} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan. L_{eq} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element. <p>2. Within the 65 CNEL or L_{eq} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.</p> <p>5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dBL_{eq}-1hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 or (OITC 30).</p> <p>5.507.4.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (L_{eq} -1hr) of 50 dBA in occupied areas during any hour of operation.</p> <p>5.507.4.2.1 Site features. Exterior features such as sound wall or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

DSA PROJECT SUBMITTAL GUIDELINE-4 CALGREEN CODE

APPLICATION MATRIX	Mandatory Chapter 5
<p>5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.</p> <p>Note: Examples of assemblies and their various STC rating may be found at the California Office of Noise Control website.</p>	<p>NA</p>
OUTDOOR AIR QUALITY	
<p>5.508.1 Ozone depletion and greenhouse gas reductions. Install HVAC and refrigeration and fire suppression equipment shall comply with 5.508.1.1 and 5.508.1.2.</p> <p>5.508.1.1 Chlorofluorocarbons (CFCs) Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.</p> <p>5.508.1.2 Halons Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.</p>	<p>NA</p> <p>NA</p>



2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

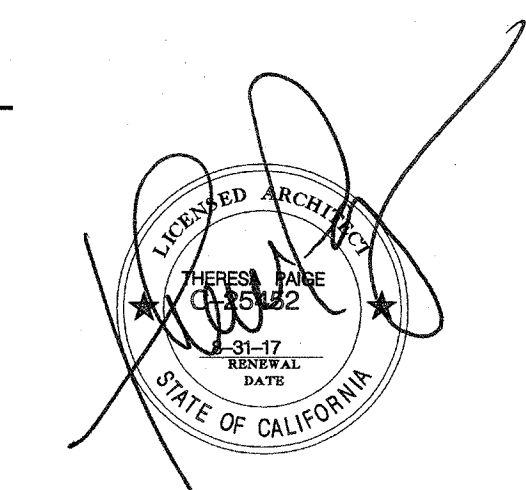
COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

DATES	DESCRIPTION / OTHER	DSA/OSA NUMBER	BUILDING NUMBER	DESCRIPTION	DSA/OSA NUMBER
05/01/73	SITE 69 71013	35884	1	POMO 1-AUTO BODY	35888
05/01/73	PERIMETER ROAD	35884	2	POMO 2-AUTO TECHNOLOGY LAB	37169
05/01/73	BRIDGE #6	35884	3	CLASSRMS/LABORATORY/OFFICES	37169
06/29/73	ADMINISTRATION BUILDING (AS)	35993	4	MACHINE & METAL TECHNOLOGY	37169
06/29/73	BASKETBALL & VOLLEYBALL COURTS	35993	5	MATHEMATICS LABORATORY/VENDING	37169
06/29/73	COLLEGE A (OL)	35993	6	CLASSROOMS/OFFICES	35998
05/01/73	COLLEGE B (MW)	35993	7	CLASSROOMS/OFFICES	35998
06/29/73	POWERPLANT #1 PP1	35993	8	STUDENT SERVICES	35993
06/29/73	POWERPLANT #2 PP2	35993	9	ADMINISTRATIVE SERVICES	35993
06/29/73	POWERPLANT #3 PP3	35993	10	ASSOCIATED STUDENT BUILDING	35993
06/29/73	TENNIS COURTS (T1)	35993	11	INFORMATION SYSTEMS	35998
07/03/73	PHASE I 71014	35993	12	BOOKSTORE/CHILD CARE	35993
04/06/74	SITE 73 72101	35841	13	ART LABORATORY/GALLERY/CLASSRM	35993
11/08/74	PHASE II 72102	37169	14	CLASSROOMS/OFFICES	35993
08/23/76	PHASE III 75101-72103	35526	15	THEATER/LOUNGE	35993
08/24/76	IVC PHASE IV 74081 PMT, FM BLDG. 1, IS	35336	16	DIGITAL VILLAGE	35993
12/05/77	MAIN ENTRANCE GATES	75077	17	LIBRARY	37169
04/25/86	STRUCTURAL RENOVATION/REPAIR PH 1	47259	18	COMPUTER LABORATORY/CLASSRMS	35993
01/22/87	STRUCTURAL RENOVATION/REPAIR PH 2	48011	19	CLASSROOMS/LABORATORY/OFFICES	35993
06/24/87	STRUCTURAL RENOVATION/REPAIR PH 3	48987	20	FOOD SERVICE/CLASSRMS/MULTIMEDIA	35993
11/24/87	COGEN PLANT	49432	21	POOL/LOCKER ROOM	
06/24/89	EROSION CONTROL PH 1	51009	22	CORPORATION YARD	35993
09/22/94	AUTO LIFT INSTALLATION	61309	23		
07/02/95	IVC ATHLETIC FIELDS CITY OF NOVATO	64855	24	FARM AND GARDEN WAREHOUSE	
07/01/96	AUTO SHOP HEATING SYSTEM	65312	25	GREENHOUSE	
03/24/99	AUTO BODY SHOP HEATING SYSTEM	691371	26	SHADE STRUCTURE	
10/01/99	INFANT TODDLER CENTER	101263	27	CLASSROOMS/LIBRARY	109314
10/12/99	POOL SYSTEM MODERNIZATION	102000	28	ORGANIC FARM AND GARDEN	
02/14/02	ASPHALT UPGRADES	104299			

DSA/OSA TABULATION C1



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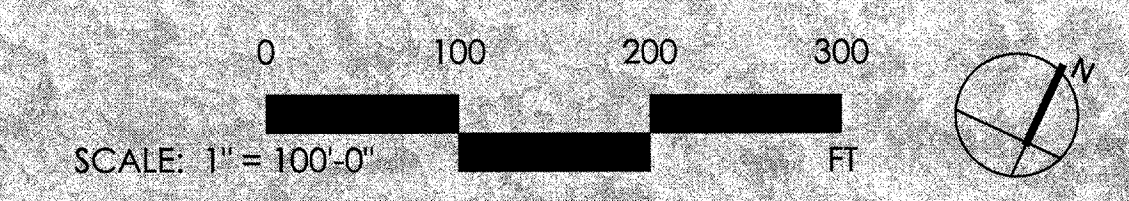
CONSULTANT

OVERALL CAMPUS PLAN

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

A0.10



ORGANIC FARM LOWER PARKING LOT SITE PLAN 1"=20'-0" K1

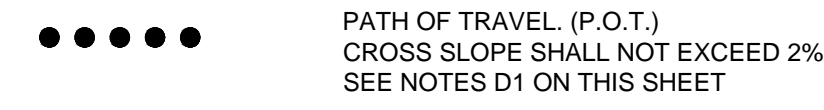
NOTES

- A DROP-OFF IS NOT INCLUDED IN THIS SCOPE OF WORK.
- PATH OF TRAVEL (P.O.T.): ARCHITECT HAS SURVEYED/INSPECTED THE PATH OF TRAVEL AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE A BARRIER-FREE ACCESSIBLE ROUTE:
 - AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE.
 - WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX. SLOPE, OR VERT. LEVEL CHANGES EXCEEDING 1/4"
 - WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE
 - WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:50 OR LESS
 - IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80' ABOVE THE WALKING SURFACE, AND
 - IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE
- THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAVE BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

PARKING LOT DATA

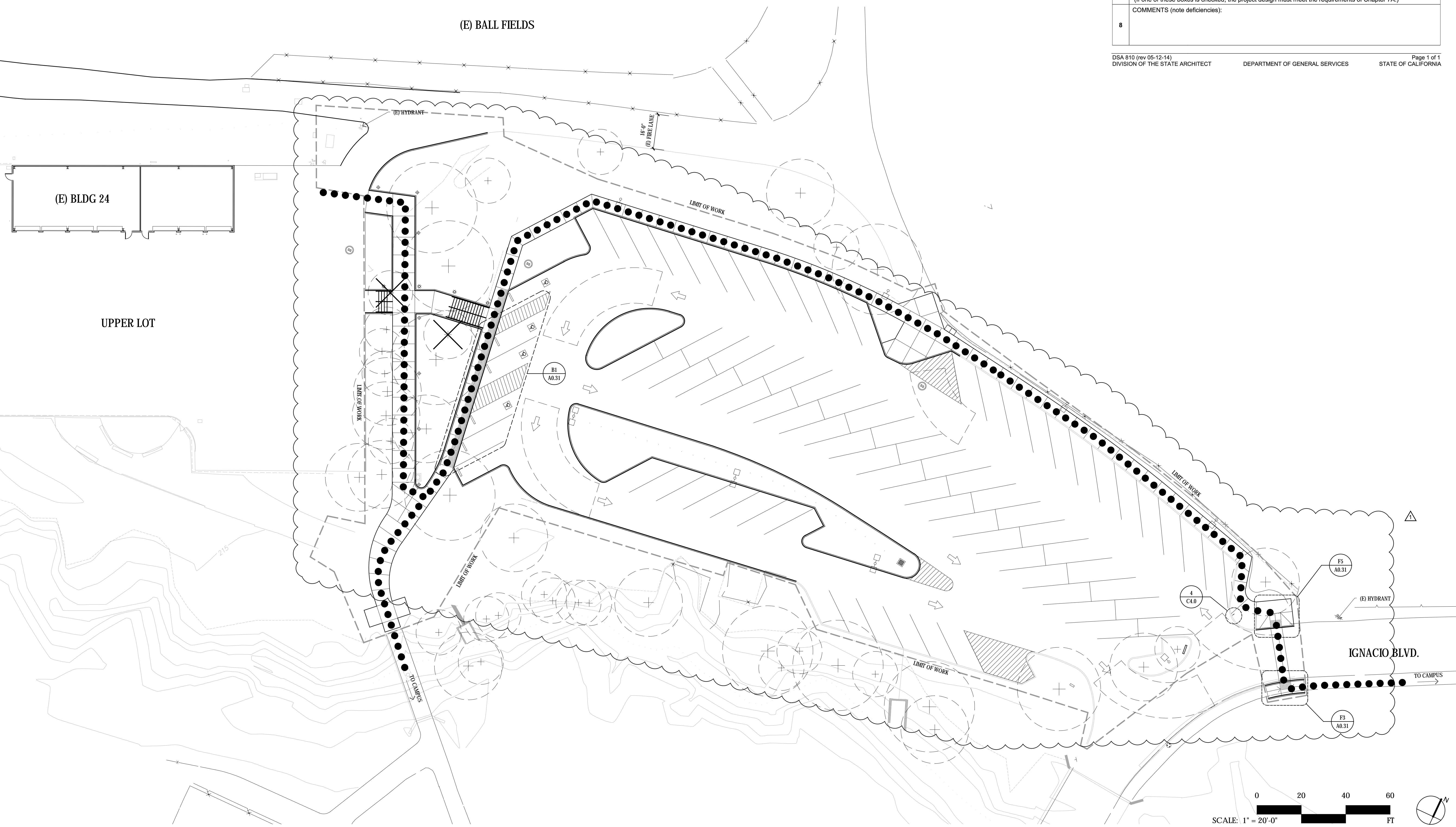
	REQ'D	PROVD
STANDARD SPACES	XX	83
STANDARD ACCESSIBLE SPACES	3	3
VAN ACCESSIBLE SPACES	1	1
TOTAL ACCESSIBLE SPACES	4	4

PARKING DATA | B7



LEGEND | C7

ACCESSIBLE PARKING & NOTES | C10

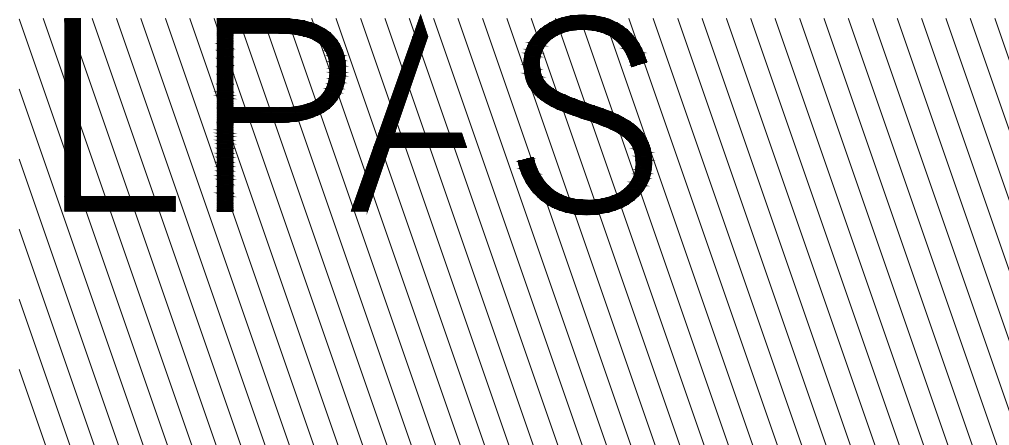


810

LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 09-01.

PROJECT INFORMATION				
School District/Owner: Marin Community College District				
Project Name/School: College of Marin Indian Valley Campus Parking Lot P6				
Project Address: 1800 Ignacio Blvd., Novato, CA 94949				
LOCAL FIRE AUTHORITY (LFA)				
LFA Agency Name: _____ Title: _____				
LFA Reviewer Name: _____ Telephone Number: _____				
Email: _____				
I have reviewed and responded to the applicable items for this project as listed below.				
Note: Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.				
LFA Reviewer's Signature: _____ Date: _____				
Review Key: "Y" = Complies with LFA requirements "N" = Not approved (complete Section 8) "NA" = Not applicable to the project "NR" = LFA elects not to review				
Description	Y	N	NA	NR
1 Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.				X
2 Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.	X			
3 Fire hydrant location and distribution complies with the California Fire Code (or see # 4).	X			
4 Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.				X
Signature of School District Official: _____ Date: _____				
Print the School District Official's Name: _____				
5 The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				X
6 The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				X
7 Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
8 Check type if "Yes": <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
COMMENTS (note deficiencies):				



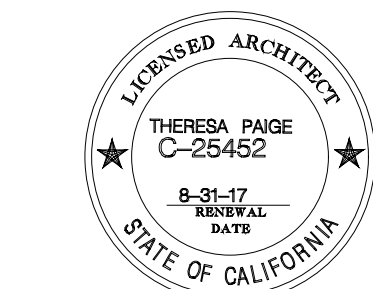
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

**COLLEGE OF MARIN
INDIAN VALLEY CAMPUS**

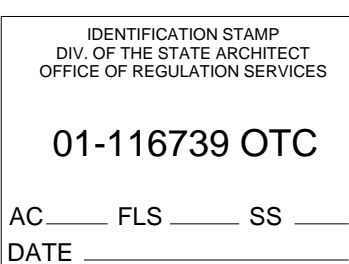
**ORGANIC FARM
PARKING LOT IMPROVEMENTS**

MARIN, CA

NO.	ISSUE	DATE
△	BID ADDENDUM #2	08.02.17



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CONSULTANT

**SITE ACCESSIBILITY
PLAN**

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

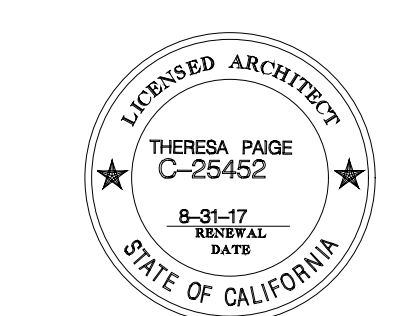
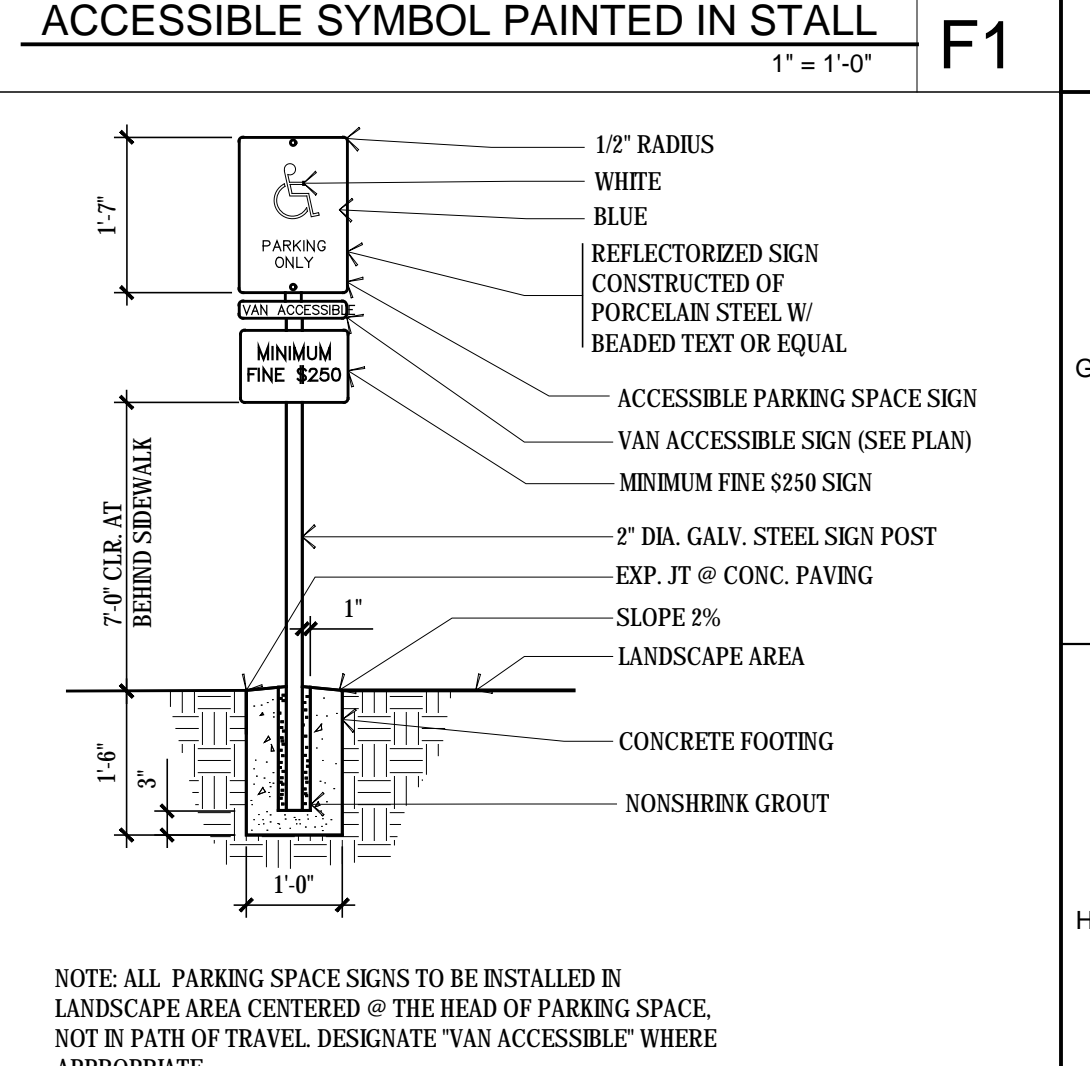
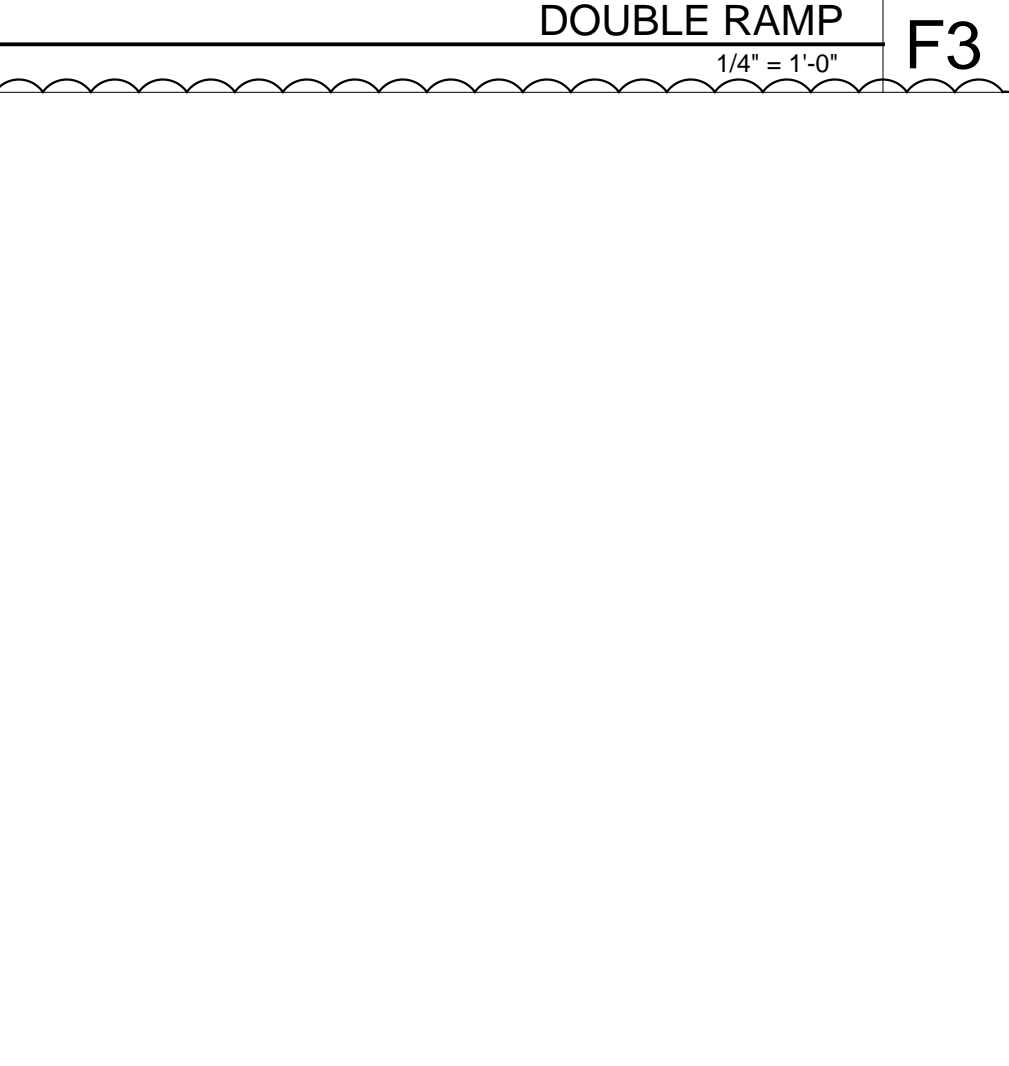
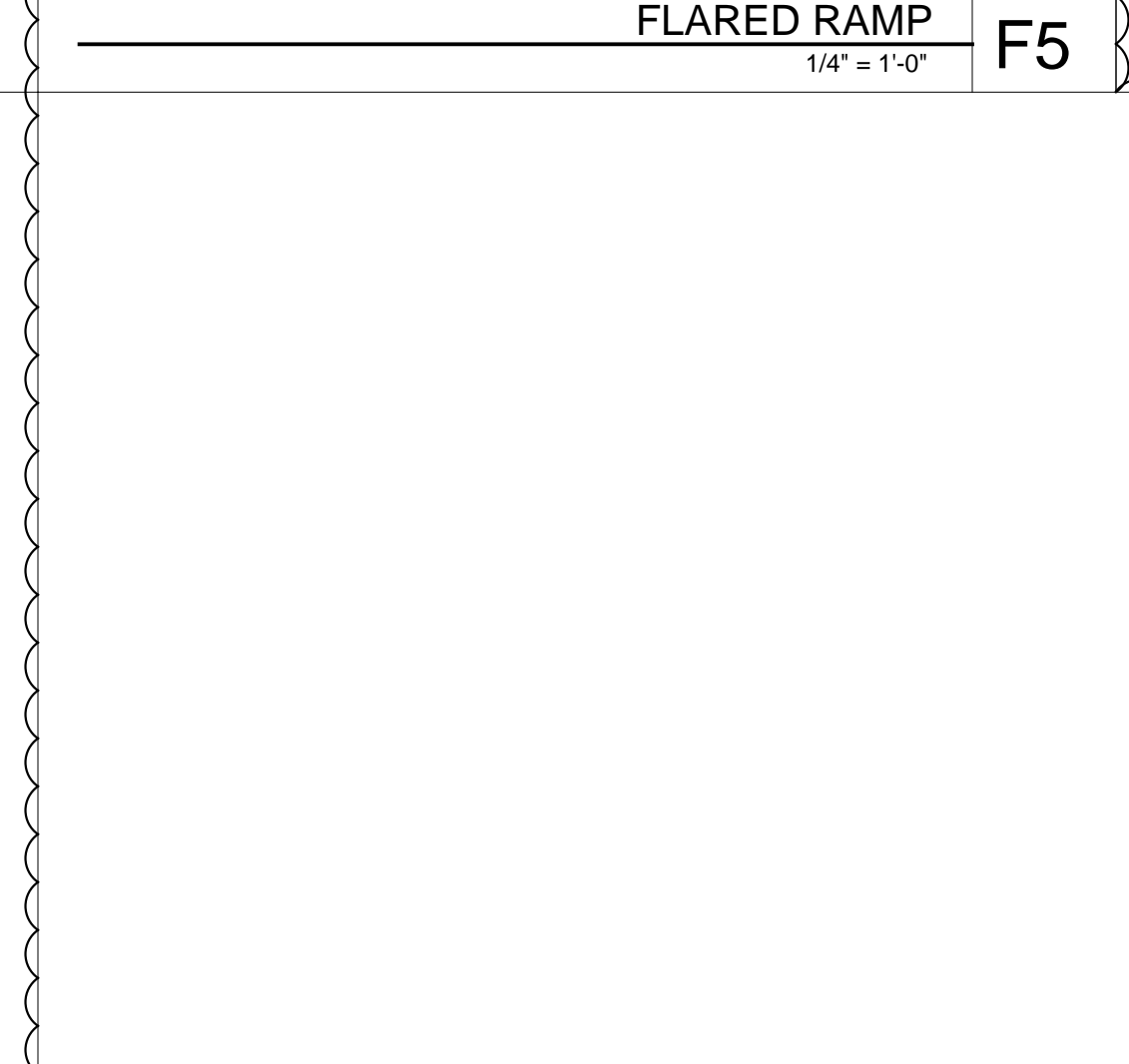
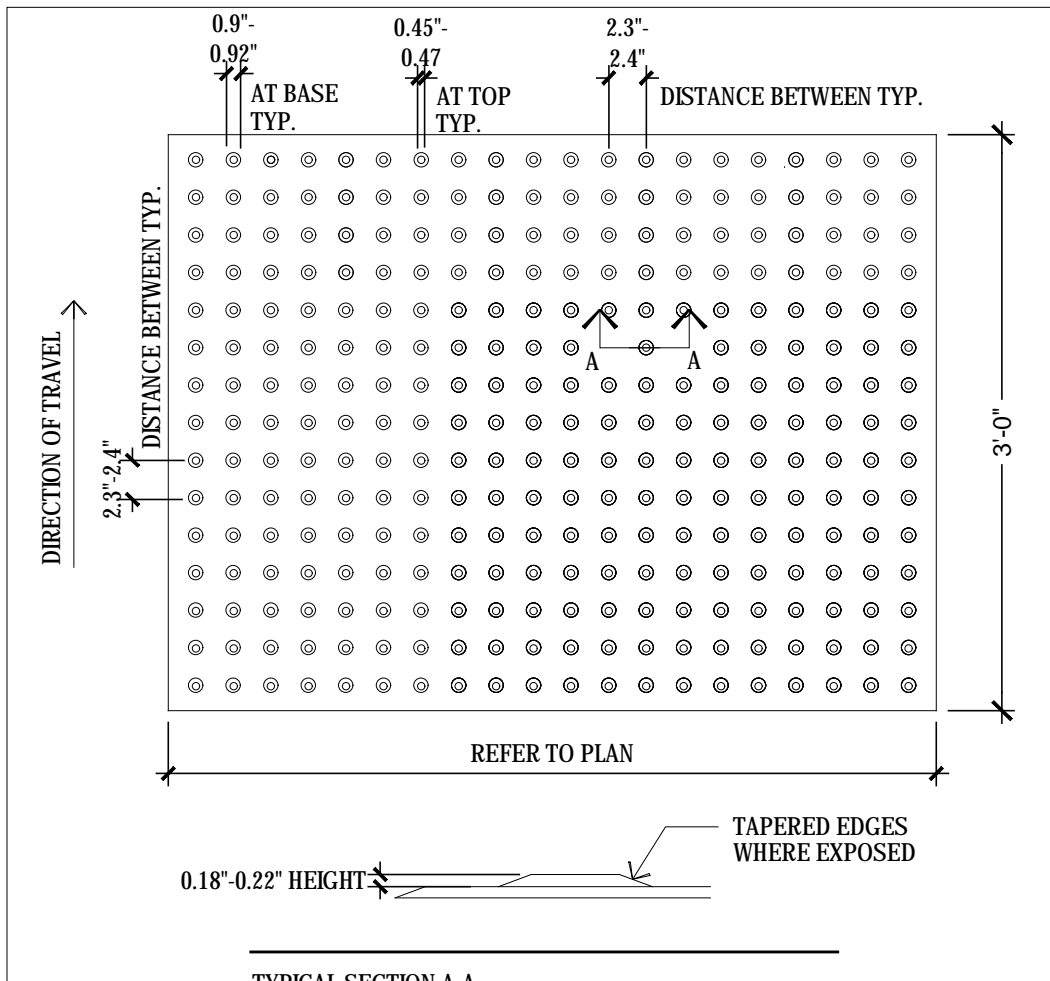
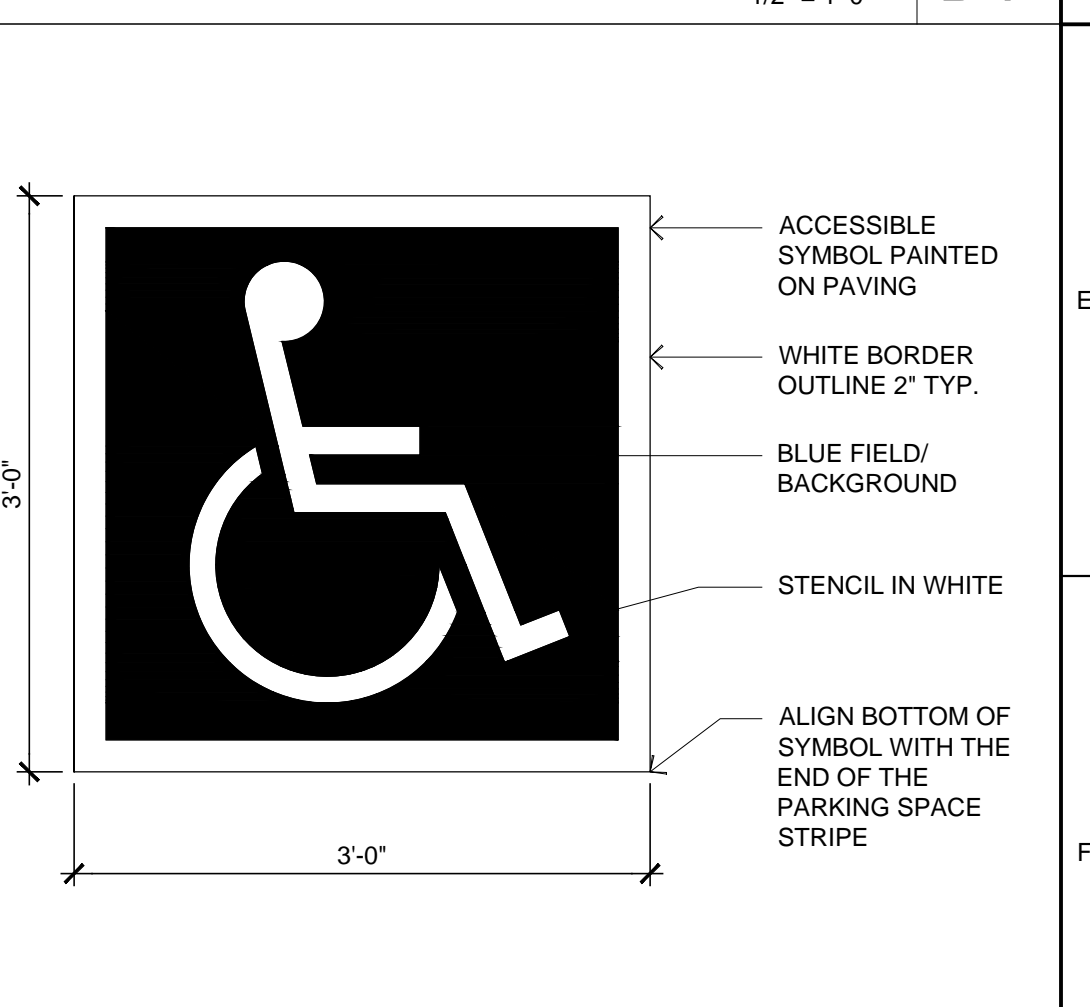
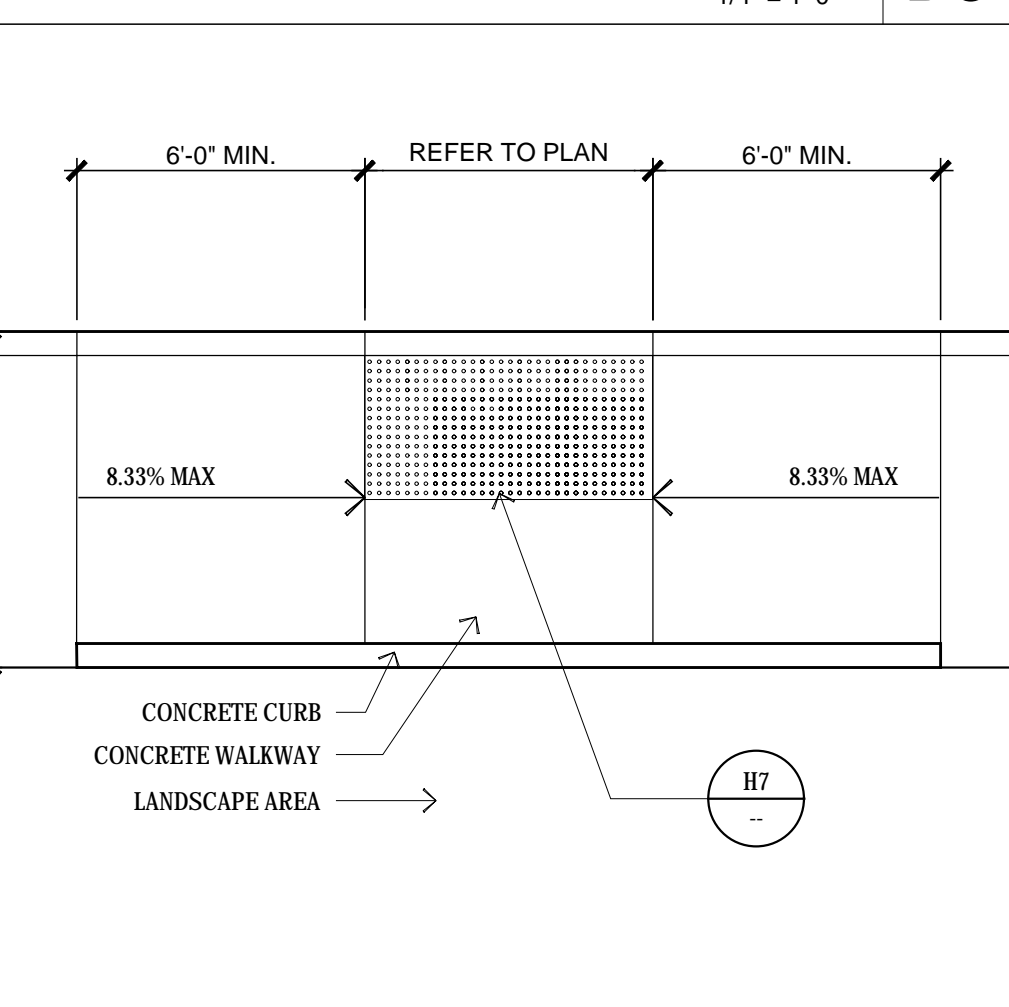
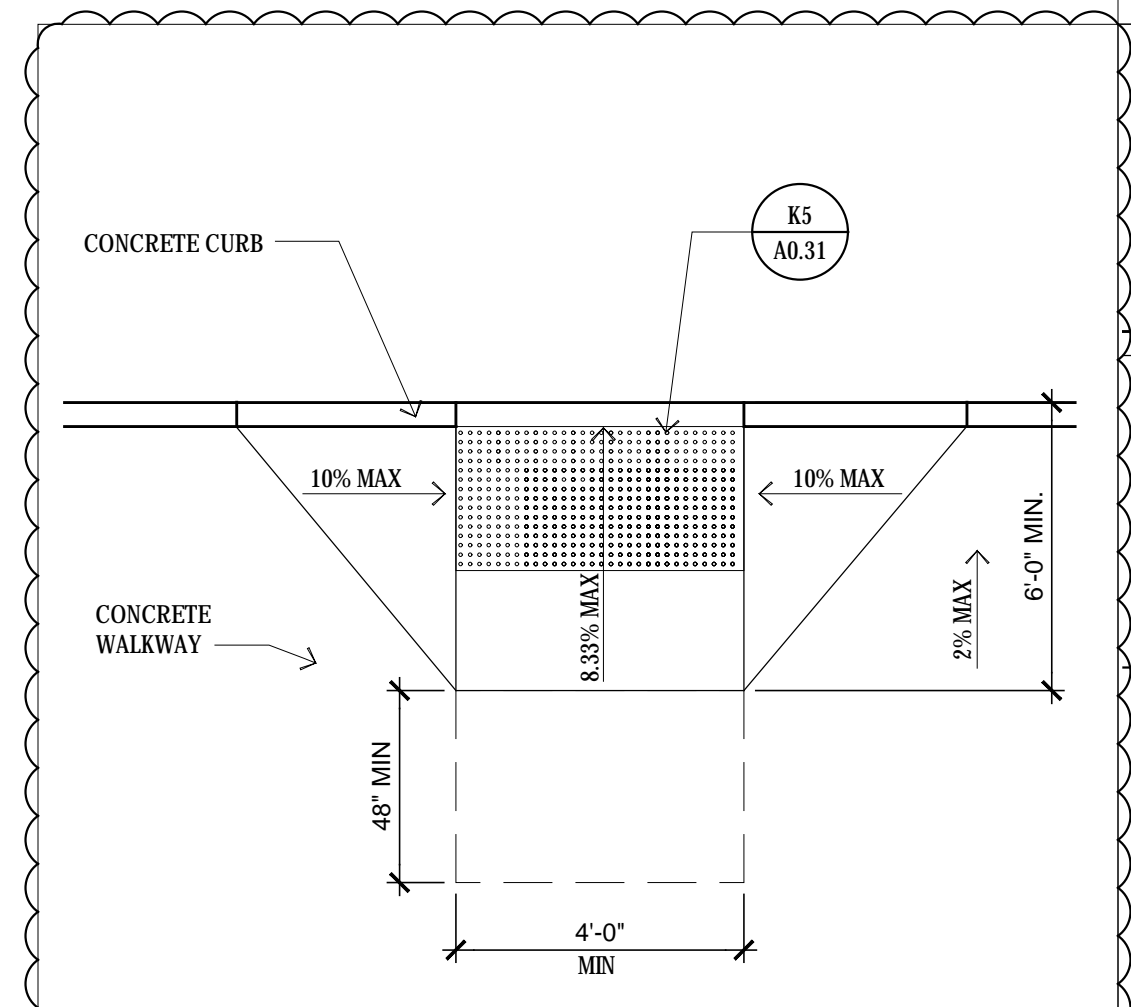
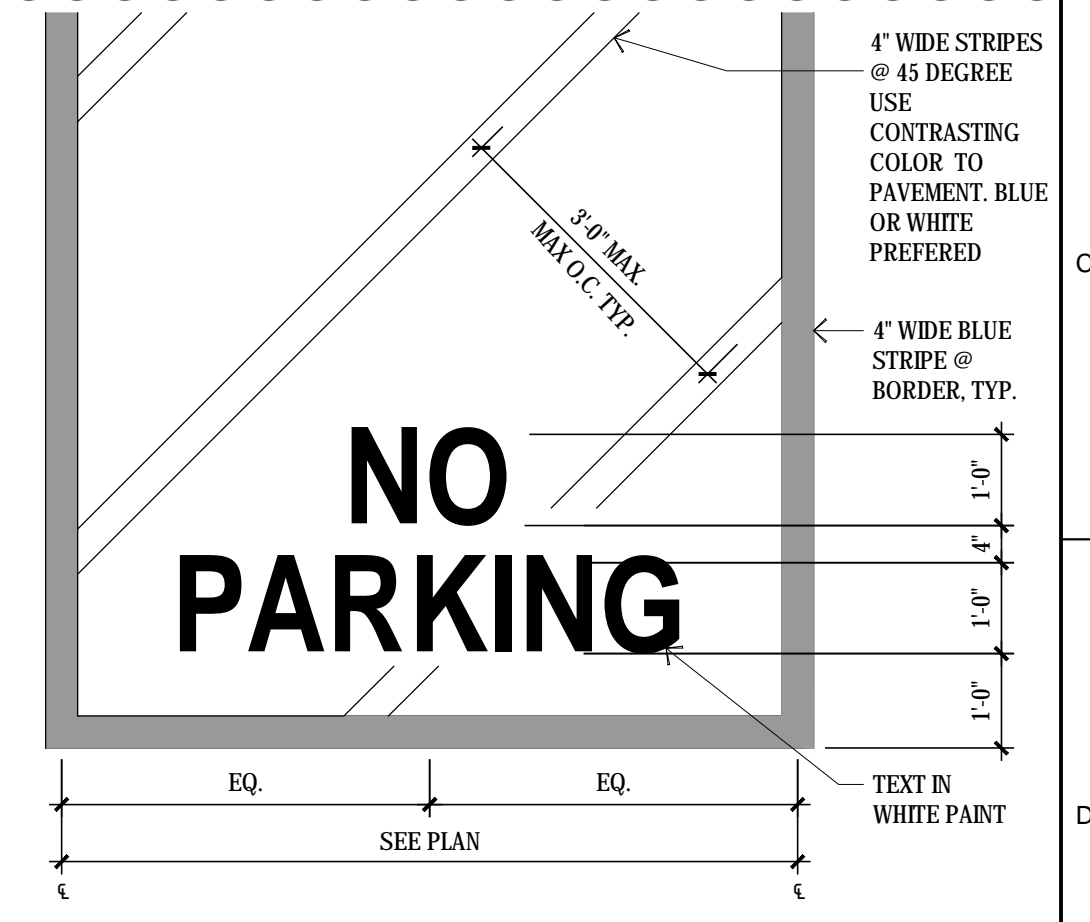
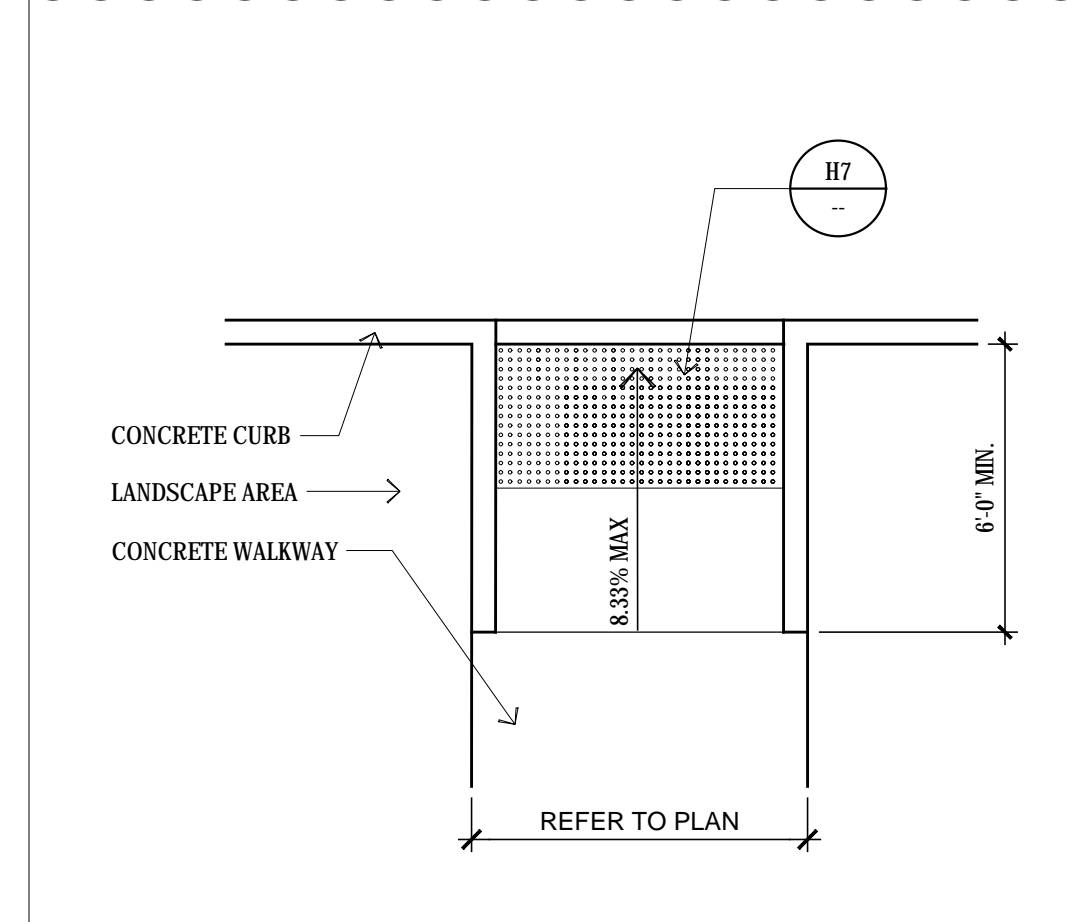
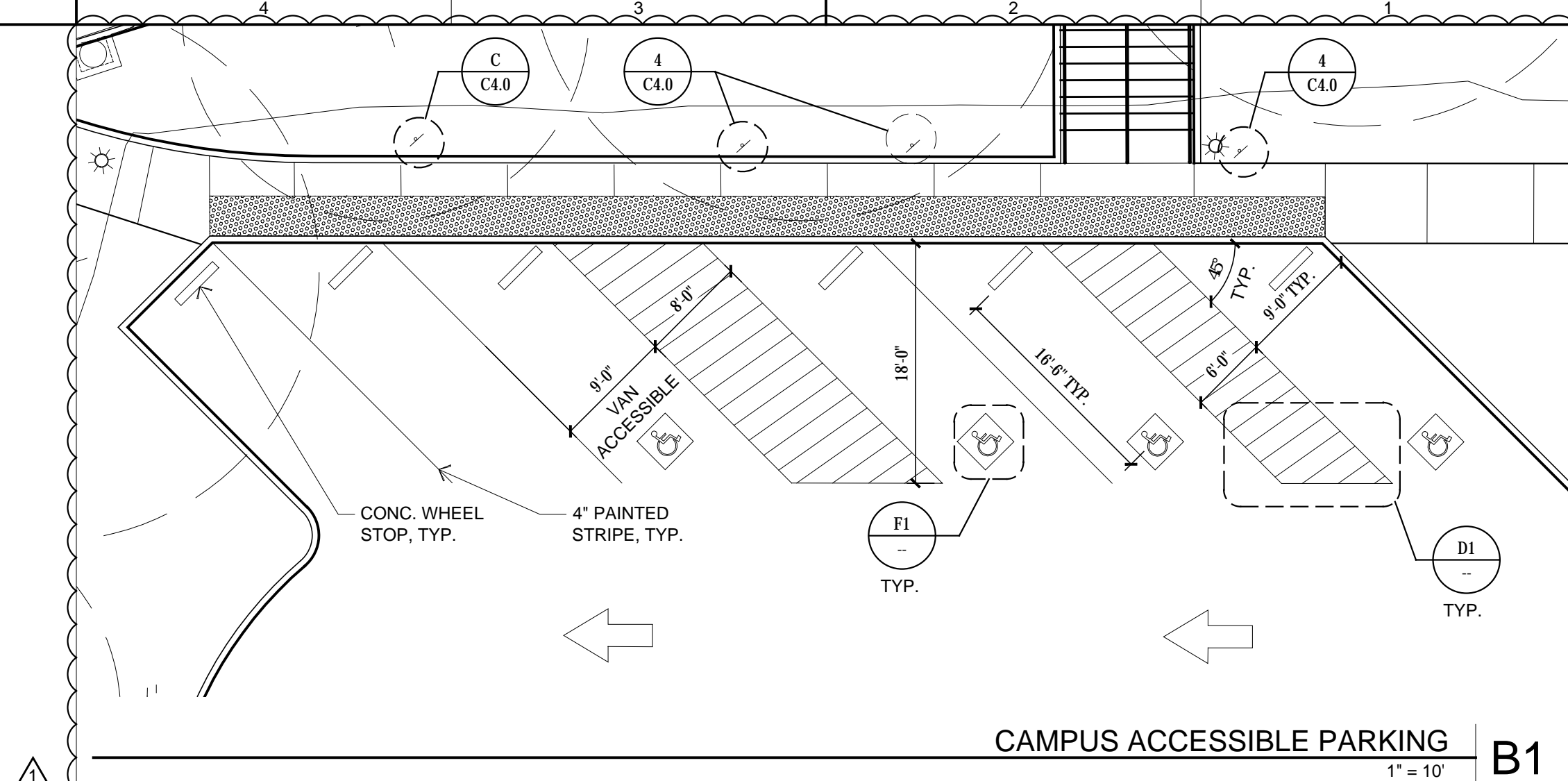
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COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

NO. ISSUE DATE
△ BID ADDENDUM #1 08.02.17



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BY THE STATE ARCHITECT
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CONSULTANT

ACCESSIBILITY DETAILS

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

A0.31

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

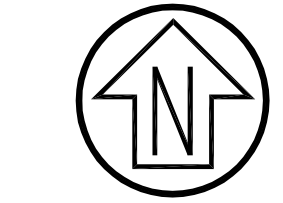
NO.	ISSUE	DATE
01	BID ADDENDUM #1	08.02.17

GENERAL DEMOLITION NOTES

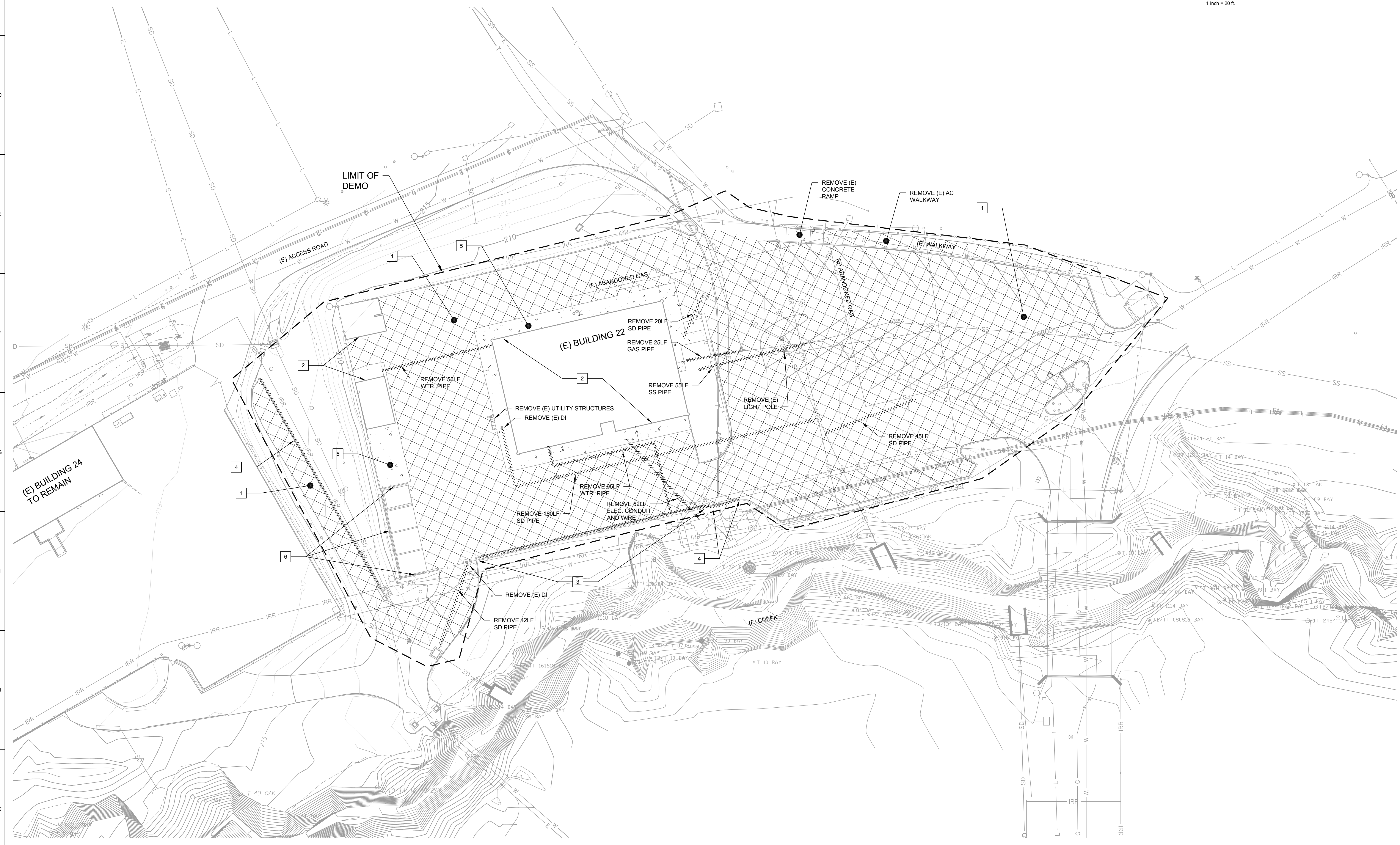
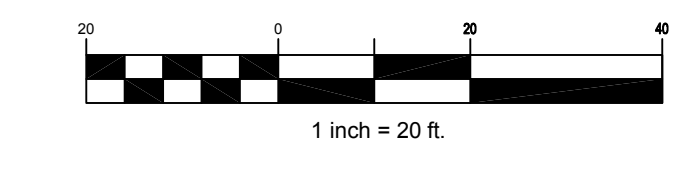
- THE TOPOGRAPHY SHOWN DOES NOT DEPICT ALL EXISTING IMPROVEMENTS BELOW GRADE WITHIN THE INTERIOR OF THE PROJECT AREA. PRIOR TO DEMOLITION, CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS WITHIN LIMITS OF WORK, BOTH ABOVE AND BELOW GRADE.
- REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
- DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
- DEMOLITION IS LIMITED TO WITHIN DEMOLITION LIMIT LINE UNLESS NOTED OTHERWISE.
- CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AS SITE CONDITIONS MAY HAVE CHANGED. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING TO THE ATTENTION OF THE OWNER OF ANY ITEMS THAT VARY FROM THESE PLANS.
- CONTRACTOR TO CONFIRM DEMOLITION PLAN AND SCHEDULE WITH OWNER PRIOR TO IMPLEMENTATION.
- ALL UTILITIES SHOWN ARE FOR GRAPHIC PURPOSES ONLY. VERIFY EXACT LOCATIONS AND SIZES IN FIELD.

DEMOLITION KEYNOTES

- | | |
|---|--|
| 1 | REMOVE (E) AC AND AB |
| 2 | (E) BUILDING STRUCTURE AND FOUNDATIONS TO BE REMOVED UNDER SEPARATE CONTRACT. N.I.C. |
| 3 | REMOVE (E) AC BERM |
| 4 | REMOVE (E) CONCRETE CURB |
| 5 | REMOVE (E) CONCRETE FLATWORK |
| 6 | REMOVE (E) CONCRETE WALL |



Graphic Scale (in feet)



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CSW | ST 2

**CSW/Stuber-Stroeh
Engineering Group, Inc.**

45 Levent Court, Novato, CA 94949
Tel: 415.883.9850
Fax: 415.883.9852

Civil & Structural Engineers
Surveying & Mapping
Environmental Planning
Land Planning
Construction Management



PROJECT NO: 4108034
DATE: 08.02.17

DEMO PLAN

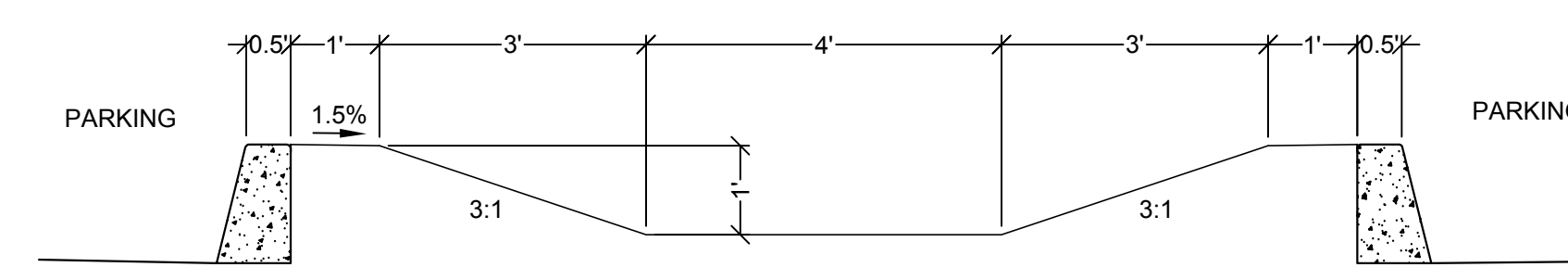
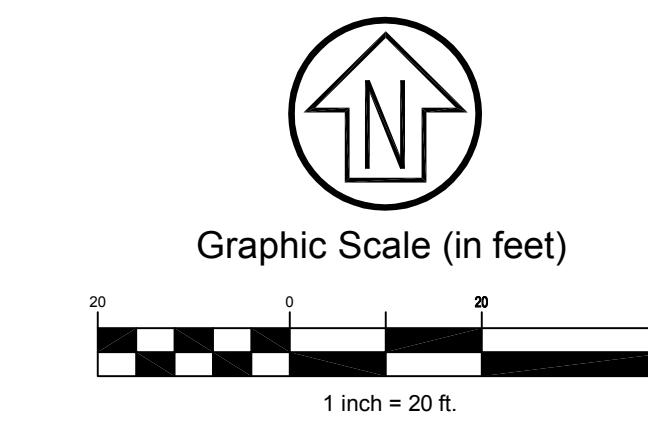
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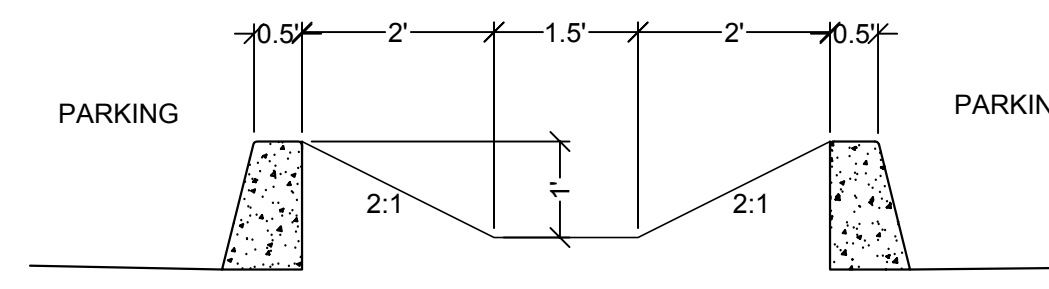
COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM
PARKING LOT IMPROVEMENTS
MARIN, CA

NO. ISSUE DATE
01 BID ADDENDUM #1 08.02.17



A SECTION
SCALE: 1" = 2'



B SECTION
SCALE: 1" = 2'

KEYNOTES

- 1 CONCRETE CURB SEE DETAIL 3, SHEET C4.0
- 2 CONCRETE SIDEWALK SEE DETAIL 2, SHEET C4.0
- 3 18" CURB OPENINGS
- 4 TRUNCATED DOMES PER CALTRANS STANDARD PLAN A88A
- 5 ROLLED CURB, SEE DETAIL 9, SHEET C4.0
- 6 EXISTING CURB TO REMAIN



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Civil & Structural Engineers
Surveying & Mapping
Environmental Planning
Land Planning
Construction Management



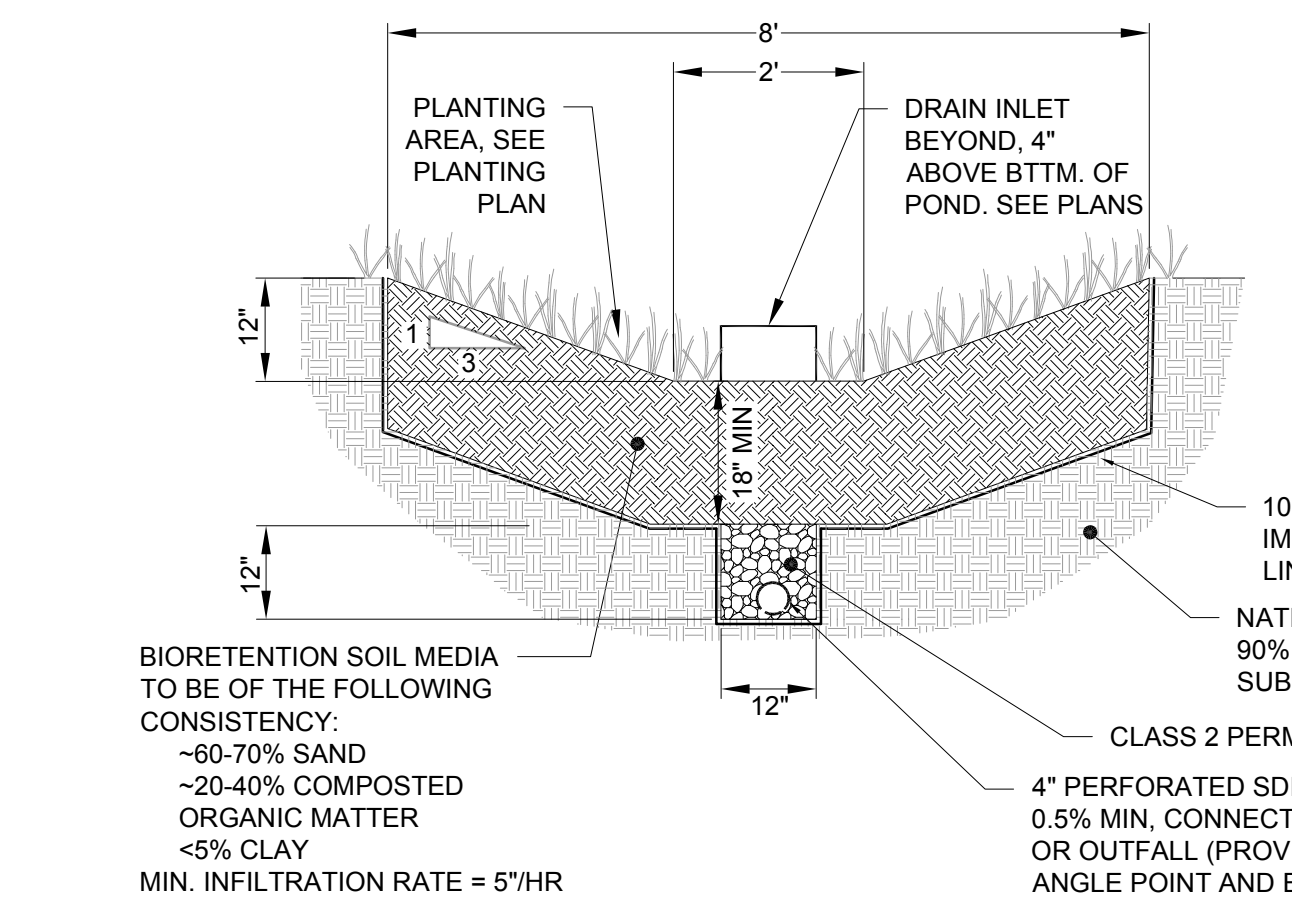
ABBREVIATIONS

- AB AGGREGATE BASE
- AC ASPHALT CONCRETE
- DI DROP INLET
- (E) EXISTING
- FL FLOWLINE
- FS FINISH SURFACE
- GB GRADE BREAK
- TC TOP OF CURB
- TP TOP OF PAVEMENT

PROJECT NO: 4108034
DATE: 04.17.17

GRADING AND DRAINAGE PLAN

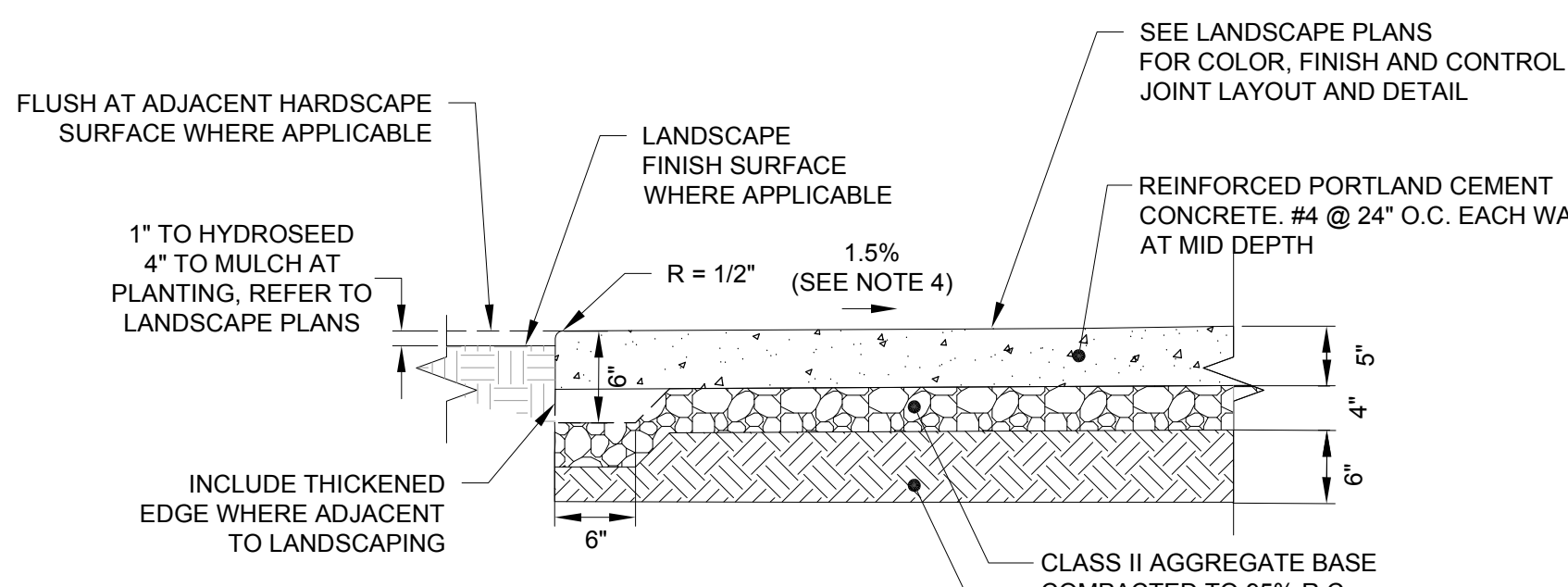
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C2.0



BIORETENTION AREA CONSTRUCTION NOTES:

- SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BIORETENTION SOIL MEDIA.
- INSTALL UNDERDRAIN WITH HOLES FACING DOWN. UNDERDRAIN DISCHARGE ELEVATION SHALL BE NEAR BOTTOM OF AGGREGATE LAYER. COMPACT EACH 6" LIFT OF BIORETENTION SOIL MEDIA WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, LET DRY OVERNIGHT BEFORE PLANTING.
- NEVER WORK WITHIN BIORETENTION AREA LIMITS DURING RAIN OR UNDER WET CONDITIONS.
- KEEP ALL HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
- CONTRACTOR SHALL PROVIDE SUBMITTALS CERTIFYING CLASS 2 PERM MEETS CALTRANS SPECIFICATION 68-2 (2ZF) AND BIORETENTION SOIL MEET REQUIREMENTS OF BASMAA POST-CONSTRUCTION MANUAL.
- CONTRACTOR SHALL NOTIFY CIVIL ENGINEER 48 HOURS PRIOR TO INSTALLATION OF CLASS 2 PERM AND BIORETENTION SOIL FOR INSPECTION.

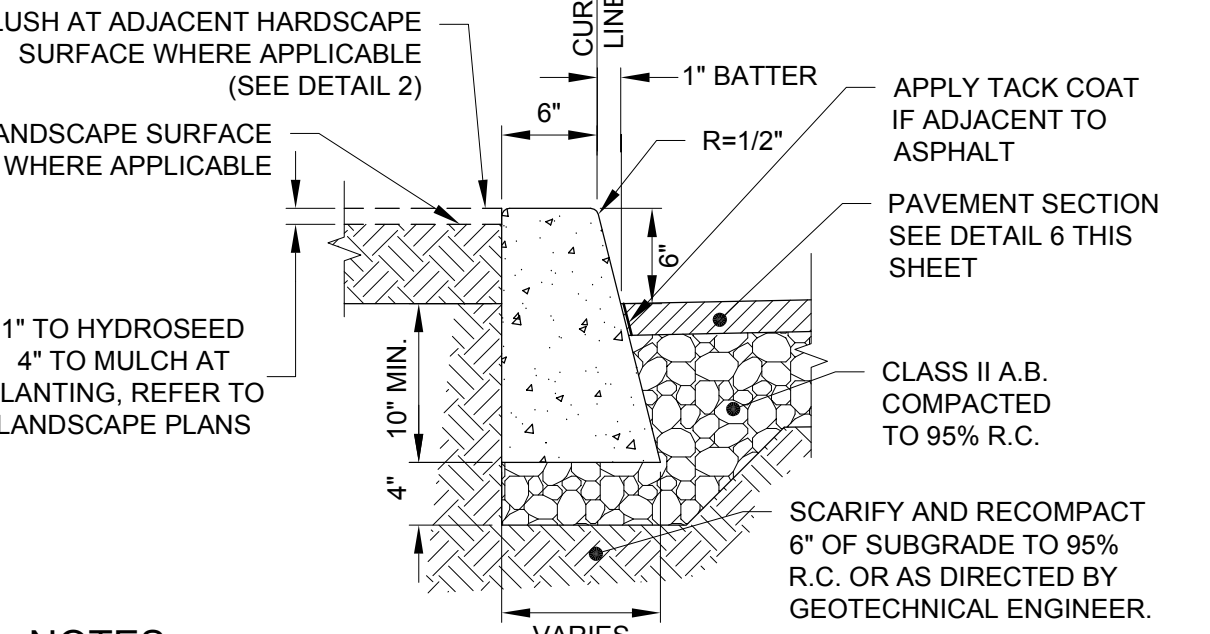
1 BIORETENTION AREA DETAIL
SCALE: 1" = 1'



NOTES:

- ALL TREAD SURFACES SHALL BE SLIP RESISTANT.
- REFER TO PROJECT LANDSCAPING PLANS FOR COLOR, PATTERN, TEXTURE, FINISH, AND LOCATION OF JOINTS.
- REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.
- SEE PLAN FOR DIRECTION OF CROSS SLOPE.

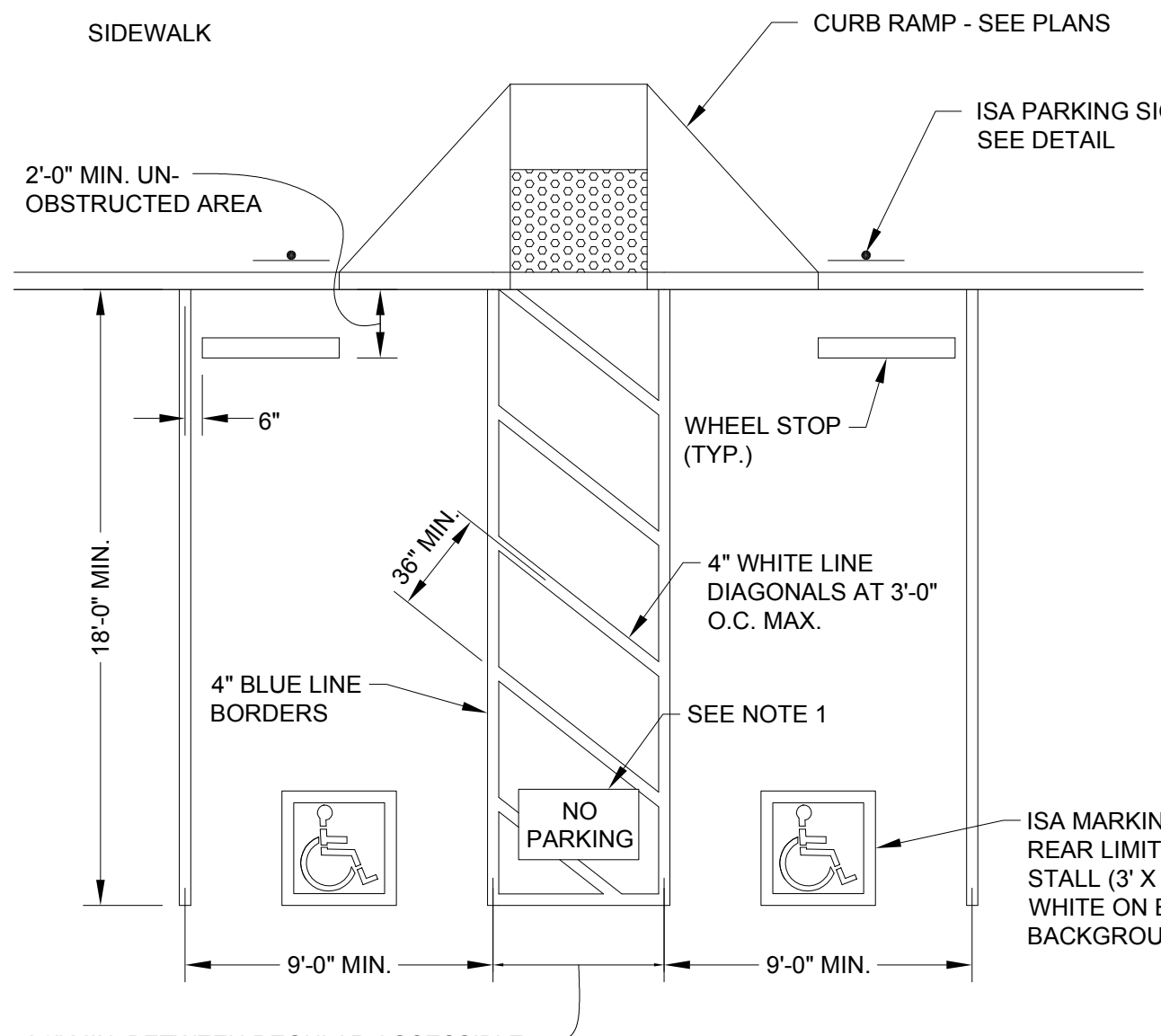
2 PEDESTRIAN CONCRETE SECTION
SCALE: 1" = 1'



NOTES:

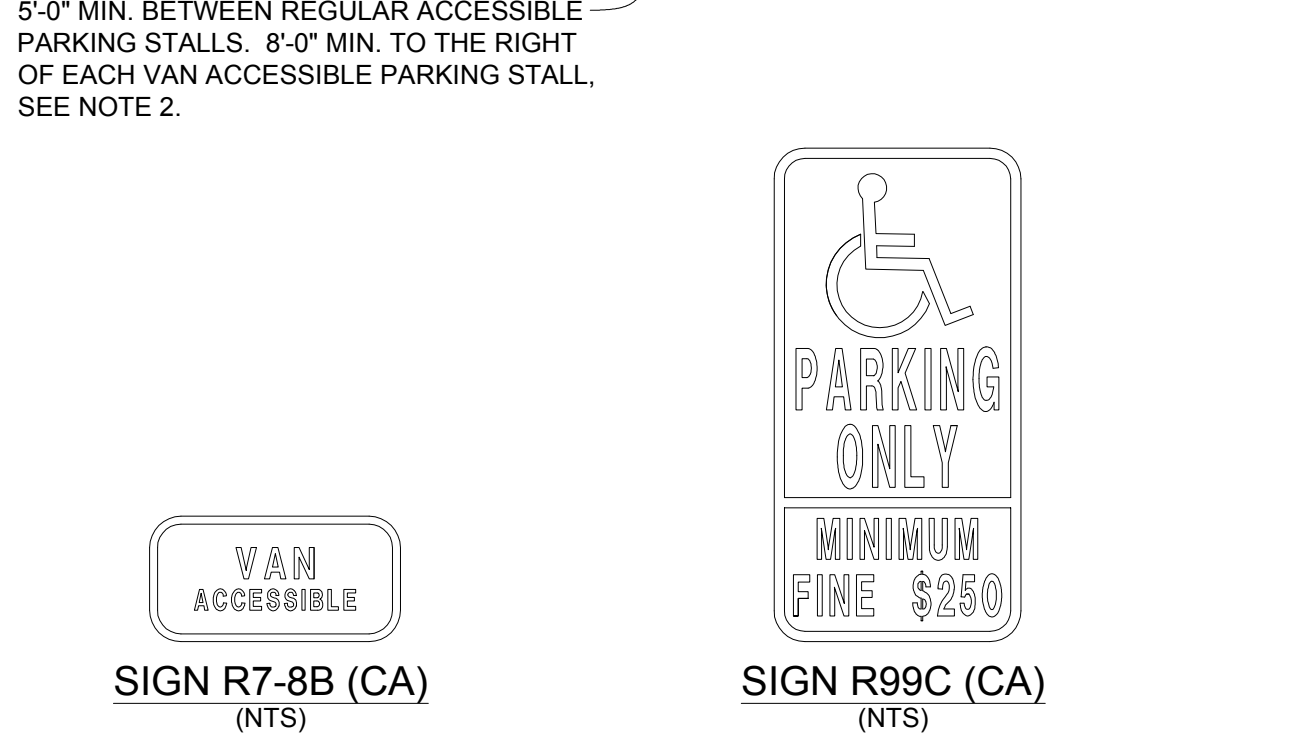
- WHERE CONCRETE WALK IS ADJACENT TO CURB, PROVIDE DOWELED ISOLATION JOINT BETWEEN WALK AND BACK OF CURB.
- CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C. - ALL SIDES EXCEPT BOTTOM.
- WHERE WALK IS ADJACENT TO CURB, THE JOINTS OF THE CURB SHALL ALIGN WITH THE JOINTS IN THE ADJACENT PAVING. SEE LANDSCAPE PLANS.
- SEE LANDSCAPE PLANS FOR TYPICAL JOINT DETAILS.

3 STANDARD CONCRETE CURB
SCALE: 1" = 1'



NOTES:

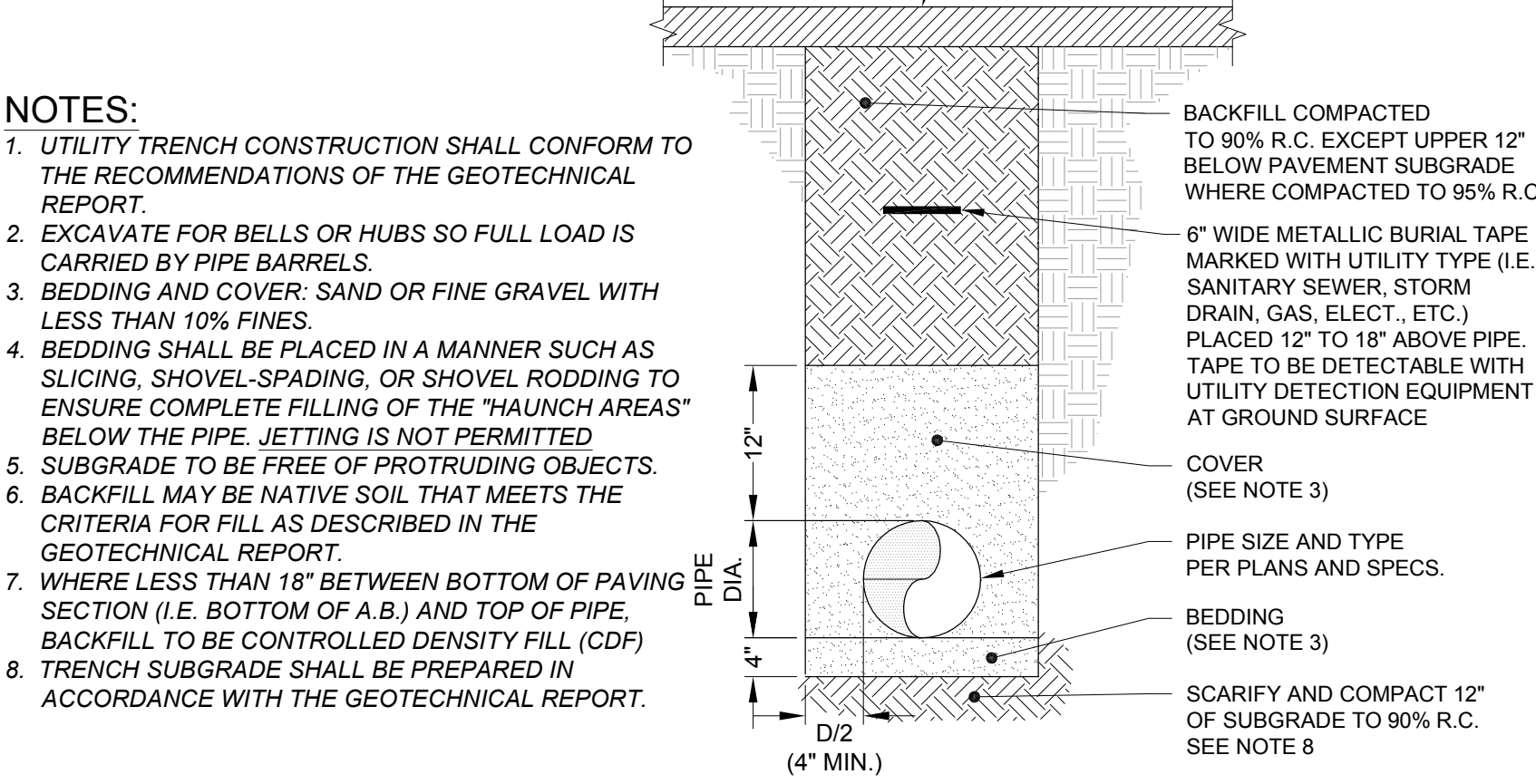
- THE WORDS "NO PARKING" SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE REVISED CALTRANS STD. PLAN RSP A888 FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.
- WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED THE STALL SHALL BE 12'-0" WIDE, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE 5'-0" WIDE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
- A R100B (CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC ENFORCEMENT AGENCY. (SEE PLAN FOR LOCATION).
- ISA = INTERNATIONAL SYMBOL OF ACCESSIBILITY
- SEE DISTRICT STANDARD SIGNAGE REQUIREMENTS AND LANDSCAPE PLANS FOR ADDITIONAL SIGN REQUIREMENTS.
- SEE DISTRICT STANDARDS & LANDSCAPE PLANS FOR ADDITIONAL SIGN REQUIREMENTS



UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE

TOWED VEHICLES MAY BE RECLAIMED AT 909 MACHIN AVE, NOVATO, CA OR BY TELEPHONING (415) 897-4281

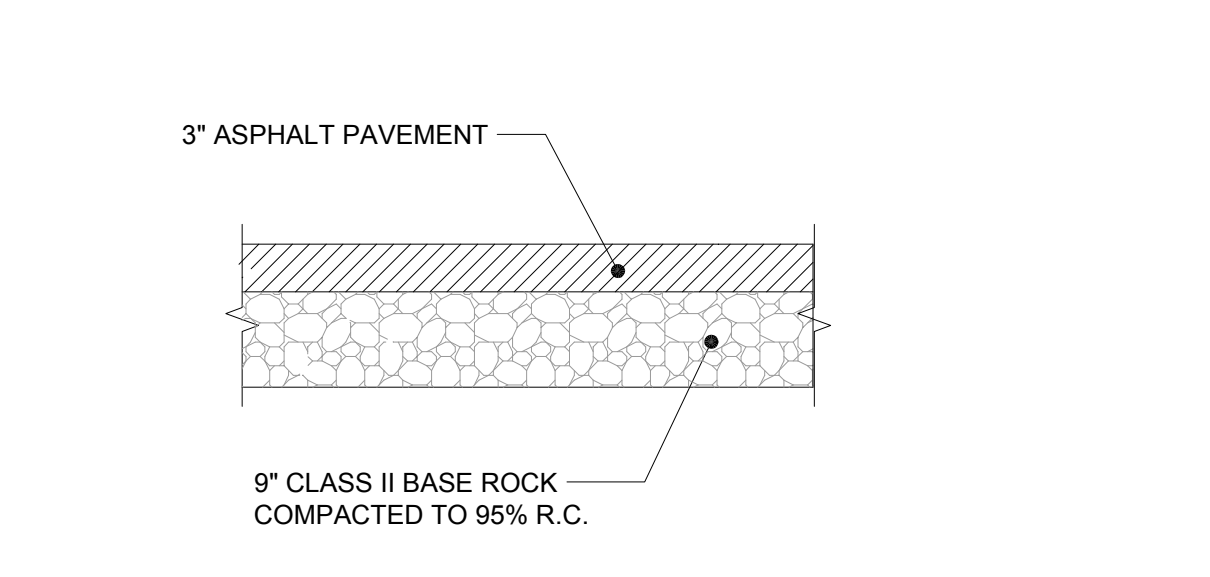
4 DOUBLE ACCESSIBLE PARKING STALL
SCALE: 1" = 5'



NOTES:

- UTILITY TRENCH CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
- EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARRELS.
- BEDDING AND COVER: SAND OR FINE GRAVEL WITH LESS THAN 10% FINES.
- BEDDING SHALL BE PLACED IN A MANNER SUCH AS SLICING, SHOVEL-SPADING, OR SHOVEL RODDING TO ENSURE COMPLETE FILLING OF THE "HAUNCH AREAS" BELOW THE PIPE. JETTING IS NOT PERMITTED.
- SUBGRADE TO BE FREE OF PROTRUDING OBJECTS.
- BACKFILL MAY BE NATIVE SOIL THAT MEETS THE CRITERIA FOR FILL AS DESCRIBED IN THE GEOTECHNICAL REPORT.
- WHERE LESS THAN 18" BETWEEN BOTTOM OF PAVING SECTION (I.E. BOTTOM OF A.B.) AND TOP OF PIPE, BACKFILL TO BE CONTROLLED DENSITY FILL (CDF).
- TRENCH SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

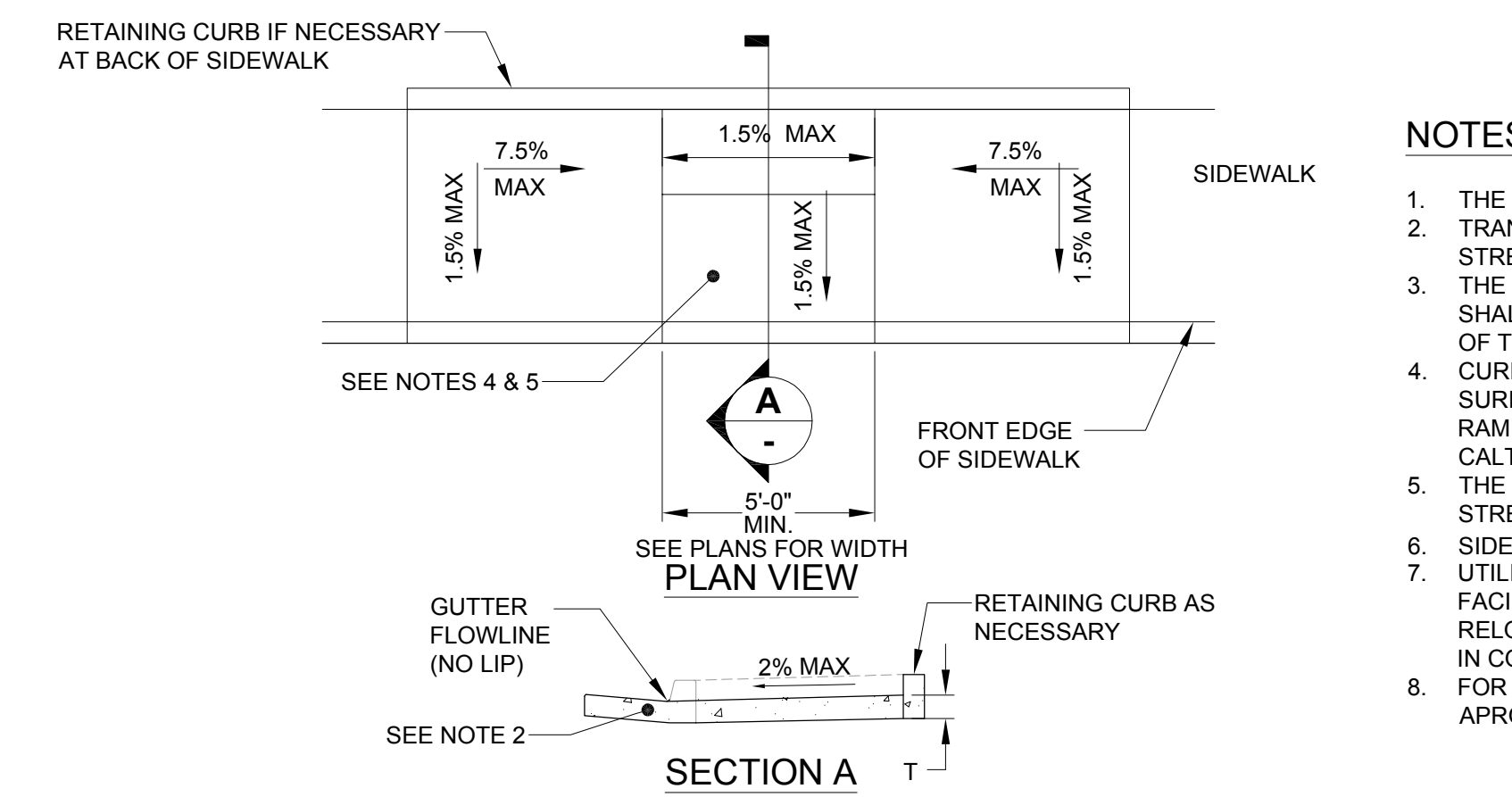
5 PIPE TRENCH DETAIL
SCALE: 1" = 1'



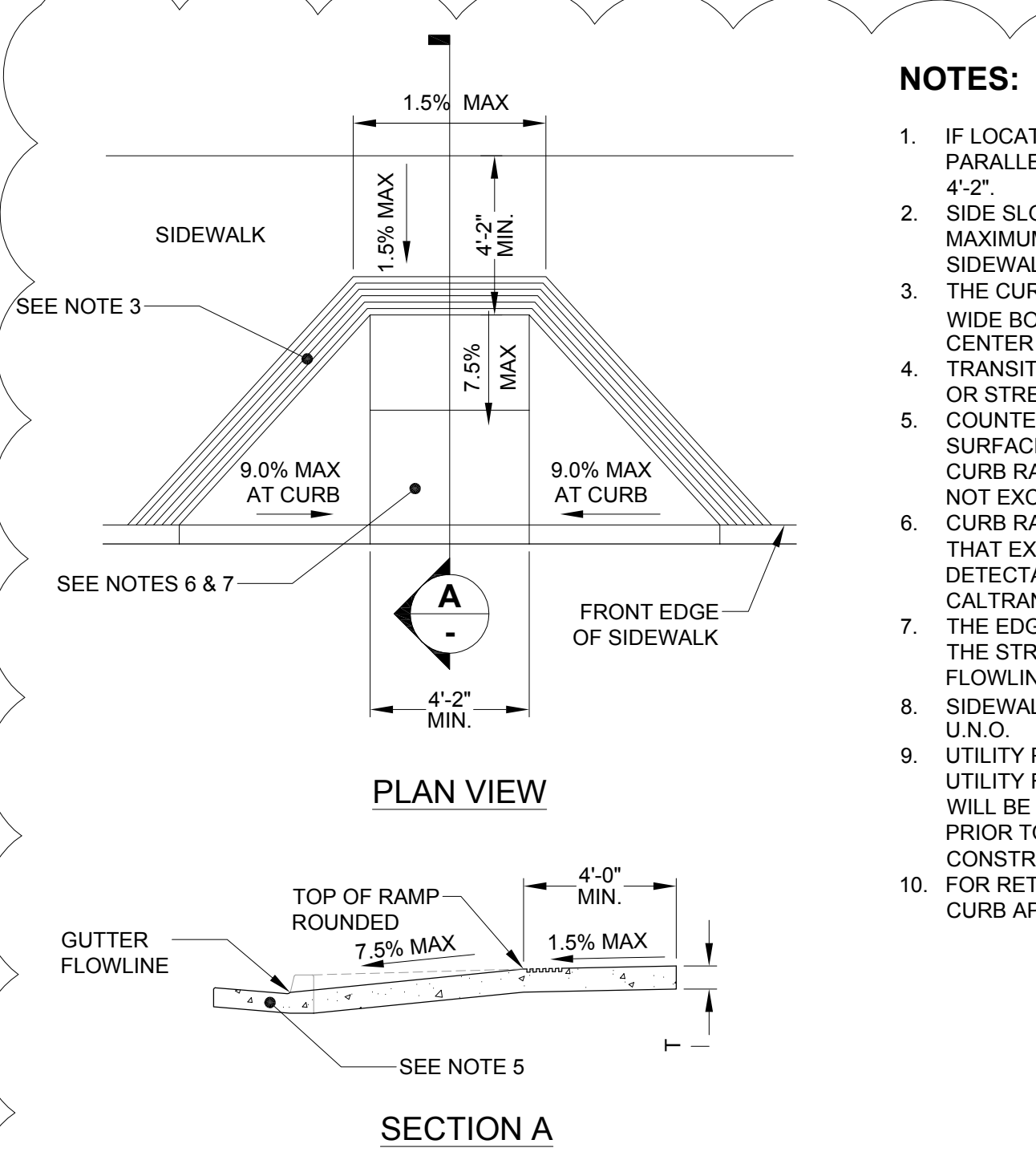
NOTES:

- PAVEMENT SECTION BASED ON A T.I. OF 5.5 AND AN R-VALUE OF 5.
- REFER TO PROJECT GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND OTHER REQUIREMENTS.

6 STANDARD ASPHALT PAVEMENT SECTION
SCALE: 1" = 1'



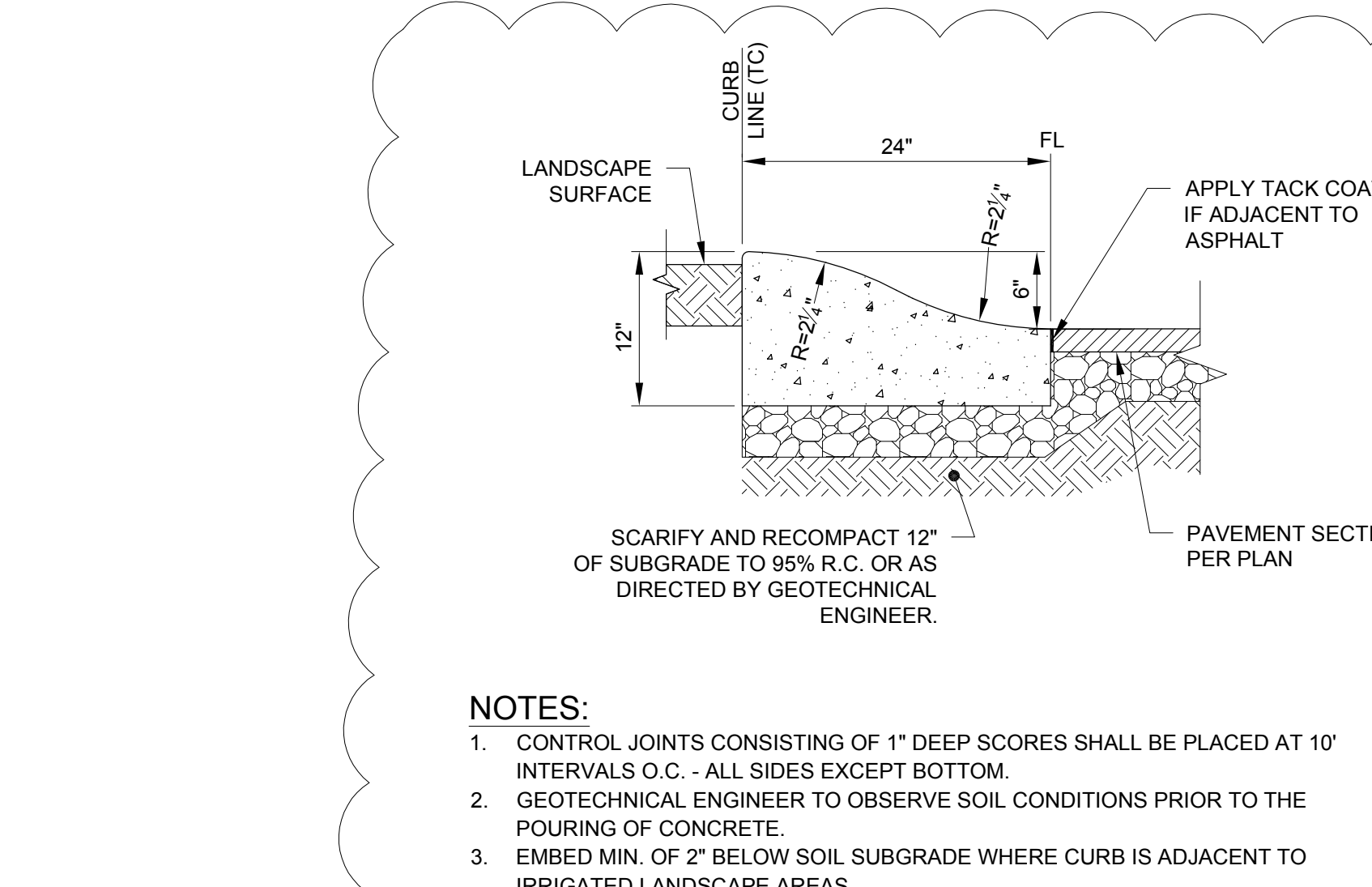
7 TYPE "C" CURB RAMP (PER CALTRANS STD. RSP A88A)
SCALE: 1/4" = 1' (U.N.O.)



NOTES:

- IF LOCATED ON A CURVE, THE SIDES OF RAMP NEED NOT BE PARALLEL, BUT THE MINIMUM WIDTH OF THE RAMP SHALL BE 4'-2".
- SIDE SLOPE OF RAMP FLARES VARY UNIFORMLY FROM A MAXIMUM OF 9.0% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF RAMP.
- THE CURB RAMP SHALL BE OUTLINED AS SHOWN, WITH A 1'-0" WIDE BORDER WITH 1/2" GROOVES APPROXIMATELY 3/4" ON CENTER PER CALTRANS STANDARD PLAN A88A.
- TRANSITIONS FROM RAMPS AND LANDINGS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24" OF THE CURB RAMP SHALL NOT EXCEED 5%. GUTTER PAN DEPTH SHALL NOT EXCEED 1" OF DEPTH FOR EACH 2'-0" OF WIDTH.
- CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO CALTRANS STANDARD PLAN A88A.
- THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.
- SIDEWALK AND RAMP THICKNESS, "T", SHALL BE 3/4" MINIMUM U.N.O.
- UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO OR IN CONJUNCTION WITH CURB RAMP CONSTRUCTION.
- FOR RETROFIT CONDITIONS, REMOVAL AND REPLACEMENT OF CURB APRON WILL BE AT THE CONTRACTOR'S OPTION, U.N.O.

8 TYPE "A" CURB RAMP (PER CALTRANS STD. RSP A88A)
SCALE: 1/4" = 1' (U.N.O.)



9 ROLLED CURB
SCALE: 1" = 1'

**COLLEGE OF MARIN
INDIAN VALLEY CAMPUS**

**ORGANIC FARM
PARKING LOT IMPROVEMENTS**

MARIN, CA

NO.	ISSUE	DATE
01	BID ADDENDUM #1	08.02.17

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DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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Civil & Structural Engineers
Surveying & Mapping
Environmental Planning
Land Planning
Construction Management

KIRK S. BOWTLER
No. 74631
CIVIL
STATE OF CALIFORNIA

PROJECT NO: 4108034
DATE: 04.17.17

**CIVIL
DETAILS
SHEET NO:
C4.0**

POLLUTION CONTROL NOTES:

- IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE CIVIL ENGINEER IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THIS PLAN. SEDIMENT ON SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL OR BROOM AND PLACED IN STOCKPILES.
- CATCH BASIN TOPS SHALL BE STAMPED TO READ, "NO DUMPING - FLOWS TO BAY".
- ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS
- ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS. ANY CONTRACTOR PLANNING TO DO WORK ON-SITE SHALL BE RESPONSIBLE FOR OBTAINING AND REVIEWING ALL SWPPP INFORMATION FROM OWNER PRIOR TO START OF WORK AND EDUCATING ALL OF THEIR EMPLOYEES OR SUBCONTRACTORS AS TO THE CONTENTS OF THIS SWPPP.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND FILING ALL PLANS WITH RELATED AGENCIES ASSOCIATED WITH THEIR WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PERMITS FOR STORAGE OF HAZARDOUS MATERIALS, BUSINESS PLANS, PERMITS FOR STORAGE OF FLAMMABLE LIQUIDS, GRADING PERMITS, OR OTHER PLANS OR PERMITS REQUIRED BY MARIN COUNTY, THE CITY OF NOVATO, OR OTHER AGENCIES. ALL PROPERTY OWNERS, CONTRACTORS, OR SUBCONTRACTORS WORKING ON-SITE ARE INDIVIDUALLY RESPONSIBLE FOR OBTAINING AND SUBMITTING ANY BUSINESS PLANS OR PERMITS REQUIRED BY CITY, STATE OR LOCAL AGENCIES.
- CONTRACTOR MAY RELOCATE STORAGE, DELIVERY, OR WASH-OUT AREAS, TO SUIT THEIR OPERATIONS. RELOCATED LOCATION TO BE SHOWN ON PLANS MAINTAINED AT JOBSITE. CONTACT CIVIL ENGINEER FOR ANY PLAN REVISIONS. PLAN REVISIONS SHALL BE SUBMITTED TO CITY IF REQUESTED. CONTRACTOR TO MAINTAIN SECONDARY CONTAINMENT AS NECESSARY TO PROHIBIT POLLUTION AND TOXIC MATERIALS FROM ENTERING STORM DRAIN.
- AFTER COMPLETION OF THE CURB, GUTTER, OR CONCRETE V-DITCHES THE SILT FILTERS SHALL BE MODIFIED TO BURLAP SACKS FILLED WITH 3/4" DRAIN ROCK OR OTHER ACCEPTED BMP POSITIONED SURROUNDING EACH CATCH BASIN.
- THIS PLAN TO BE USED IN CONJUNCTION WITH THE WRITTEN REPORT OF STORM WATER POLLUTION PREVENTION

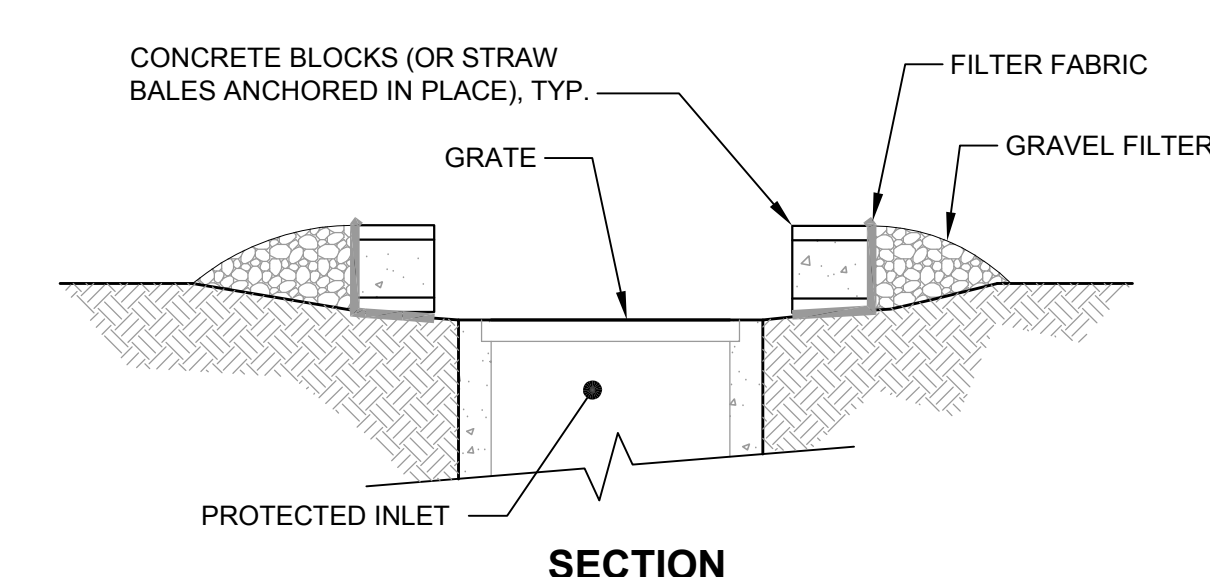
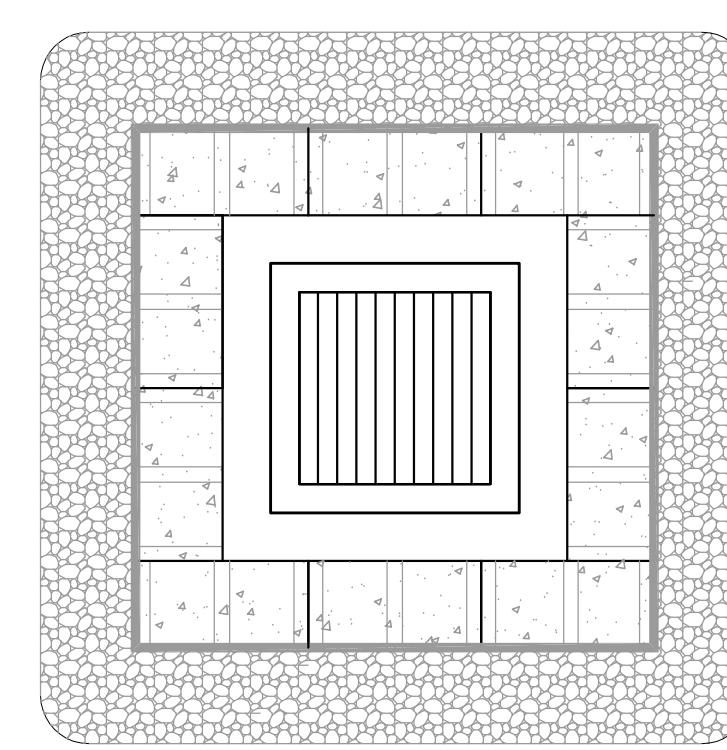
EROSION CONTROL NOTES:

- NO VEHICLES SHALL BE ALLOWED TO TRACK OR SPREAD SOIL FROM THE CONSTRUCTION AREAS ONTO EXISTING PAVED PUBLIC STREETS. ANY VEHICLE OPERATING WITHIN THE PROJECT AREA AND OFF THE PAVED STREET SHALL CROSS A CONSTRUCTION ENTRANCE AS SHOWN HEREIN. THE ENTRANCE MAY BE MODIFIED BY THE CONTRACTOR TO FACILITATE HIS OPERATIONS.
- THE EROSION AND SEDIMENT CONTROL MEASURES WILL BE OPERABLE DURING THE RAINY SEASON, OCTOBER 1ST TO APRIL 15TH. NO GRADING WILL OCCUR BETWEEN OCTOBER 1ST AND APRIL 15TH, UNLESS AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
- CHANGES TO THIS STORM WATER POLLUTION PREVENTION PLAN TO MEET FIELD CONDITIONS WILL BE MADE ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE DISTRICT. CHANGES MADE TO SUIT FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CIVIL ENGINEER AND THE DISTRICT.
- DURING THE RAINY SEASON, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE WILL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE SITE IMPROVEMENTS ARE ACCEPTED BY THE DISTRICT, AND ALL SLOPES ARE STABILIZED FROM EROSION.

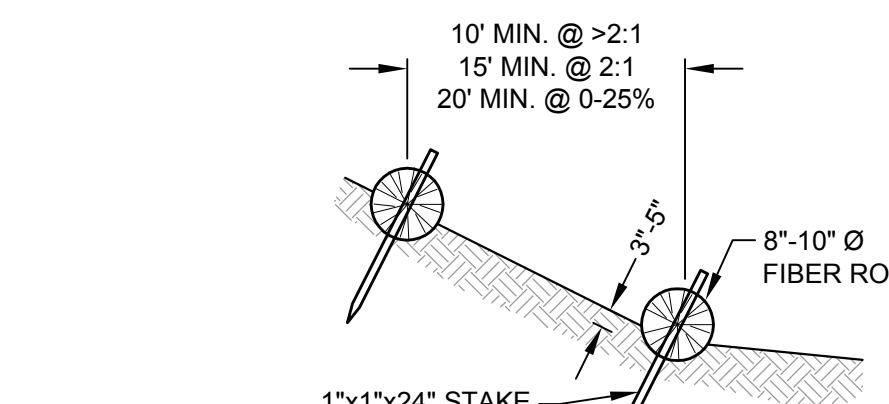
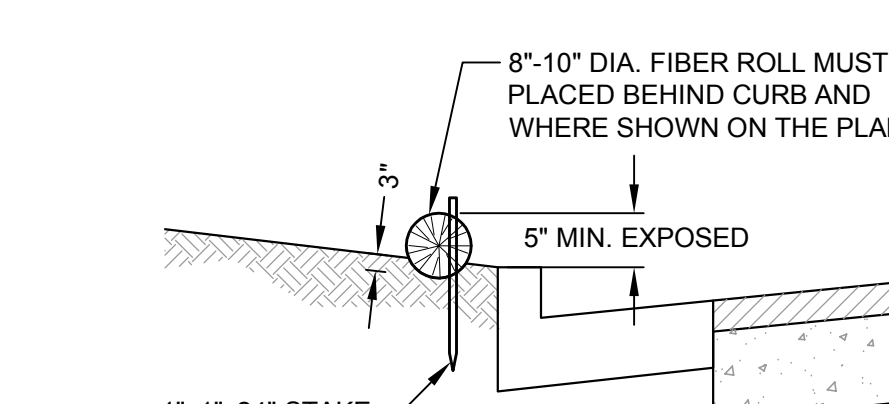
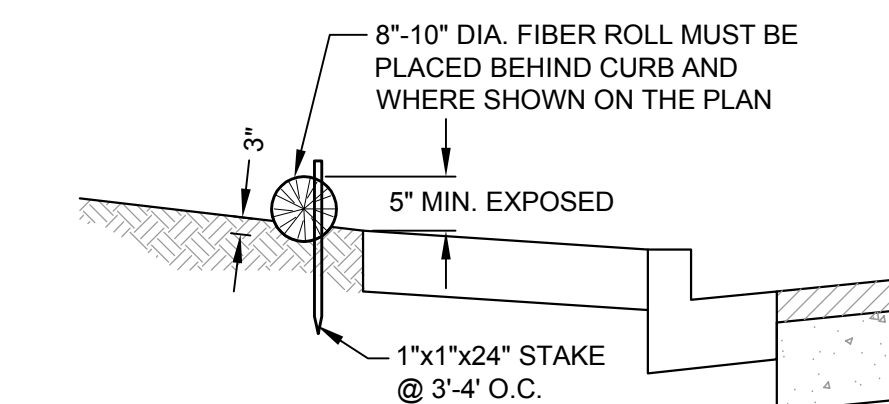
URBAN RUNOFF POLLUTION NOTES:

- STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND APRIL 1.
- REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCK-PILED SOILS AND OTHER MATERIALS SHALL BE TARPED, AT THE REQUEST OF THE DISTRICT.
- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- USE FILTRATION OR OTHER MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED IN ANY MANNER THAT ALLOWS DELETERIOUS MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- USE OF PESTICIDES AND/ OR FERTILIZERS SHALL BE APPLIED AND CONTROLLED TO PREVENT POLLUTION RUNOFF.
- IN THE EVENT GRADING OPERATIONS ARE SUSPENDED BY WEATHER CONDITIONS AND IF THE STORM DRAIN SYSTEM IS INCOMPLETE, INSTALL ADDITIONAL ROCK FILTERS AND OTHER FACILITIES AS DIRECTED BY DISTRICT AND ENGINEER.
- CONTRACTOR TO RELOCATE CONCRETE WASHDOWN, VEHICLE STORAGE DELIVERY, AND NON HAZARDOUS WASTE AREAS AS NECESSARY TO FACILITATE THEIR OPERATION AND PROMOTE POLLUTION CONTROL.

EROSION CONTROL LEGEND



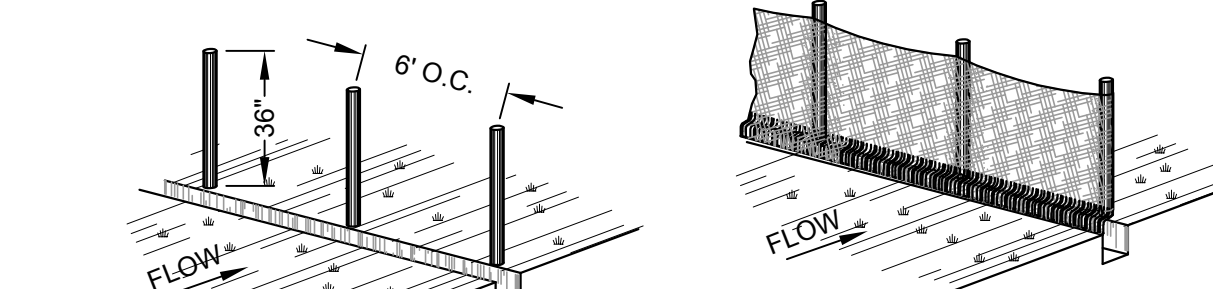
1 INLET PROTECTION DETAIL
SCALE: NTS



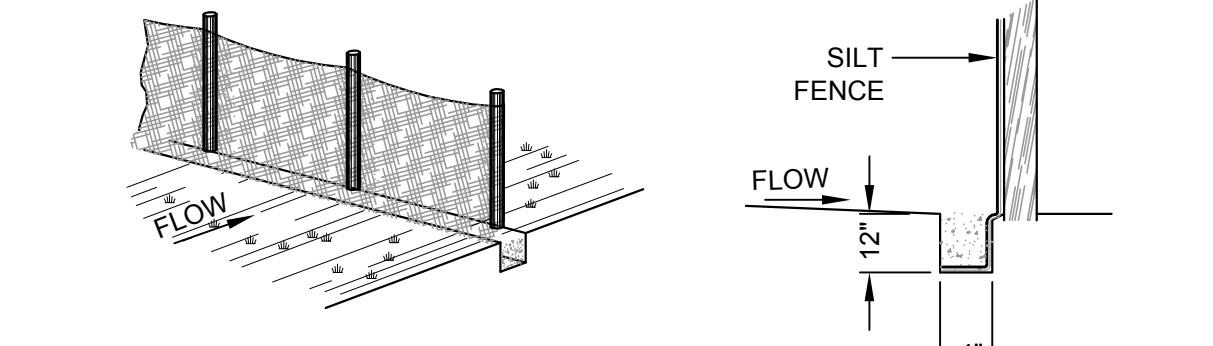
NOTES

- FIBER ROLLS TO BE LAID ALONG CONTOUR.
- FIBER ROLL INSTALLATION DETAILS
SCALE: NTS

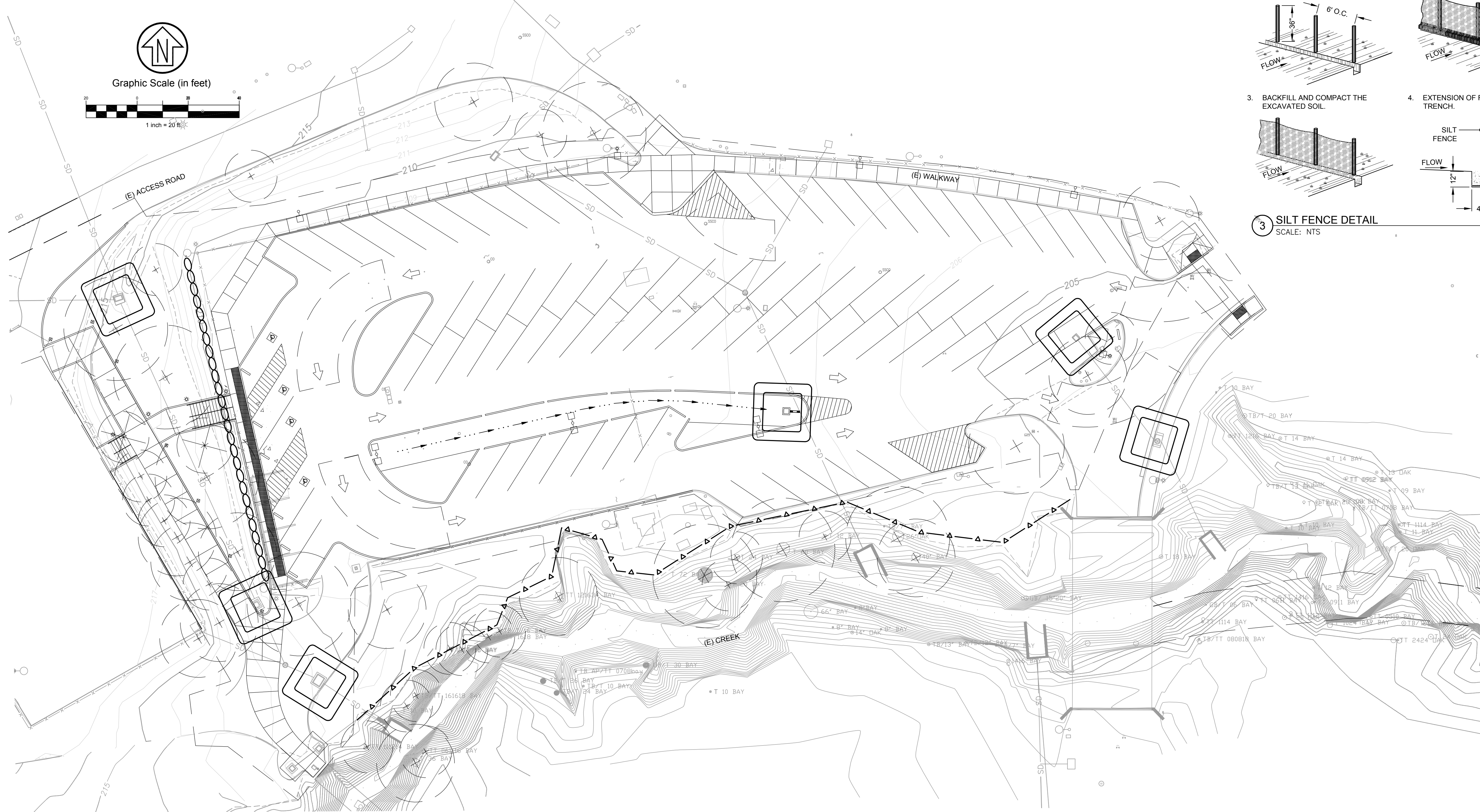
- SET 4"x8" WOOD OR 1.33 PLF STEEL POSTS 5' IN LENGTH. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
- ATTACH SILT FENCE TO POSTS AND EXTEND IT INTO THE TRENCH.



- BACKFILL AND COMPACT THE EXCAVATED SOIL.
- EXTENSION OF FABRIC INTO THE TRENCH.



3 SILT FENCE DETAIL
SCALE: NTS



LPAS

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**COLLEGE OF MARIN
INDIAN VALLEY CAMPUS**

ORGANIC FARM
PARKING LOT IMPROVEMENTS

MARIN, CA

NO.	ISSUE	DATE
01	BID ADDENDUM #1	08.02.17

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

01-116739 OTC

AC: _____ FLS: _____ SS: _____
DATE: _____

ARCHITECT'S STAMP APPROVAL

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Land Planning
Construction Management

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KIRK S. SWITZ
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CIVIL
STATE OF CALIFORNIA

http://www.cswst2.com © 2015

PROJECT NO: 4108034
DATE: 08.02.17

EROSION CONTROL PLAN

SHEET NO:
C5.00

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

NO. ISSUE DATE

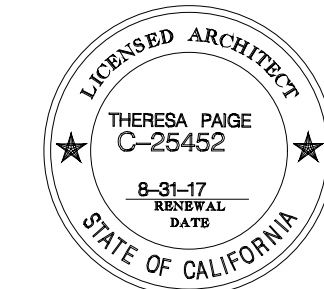
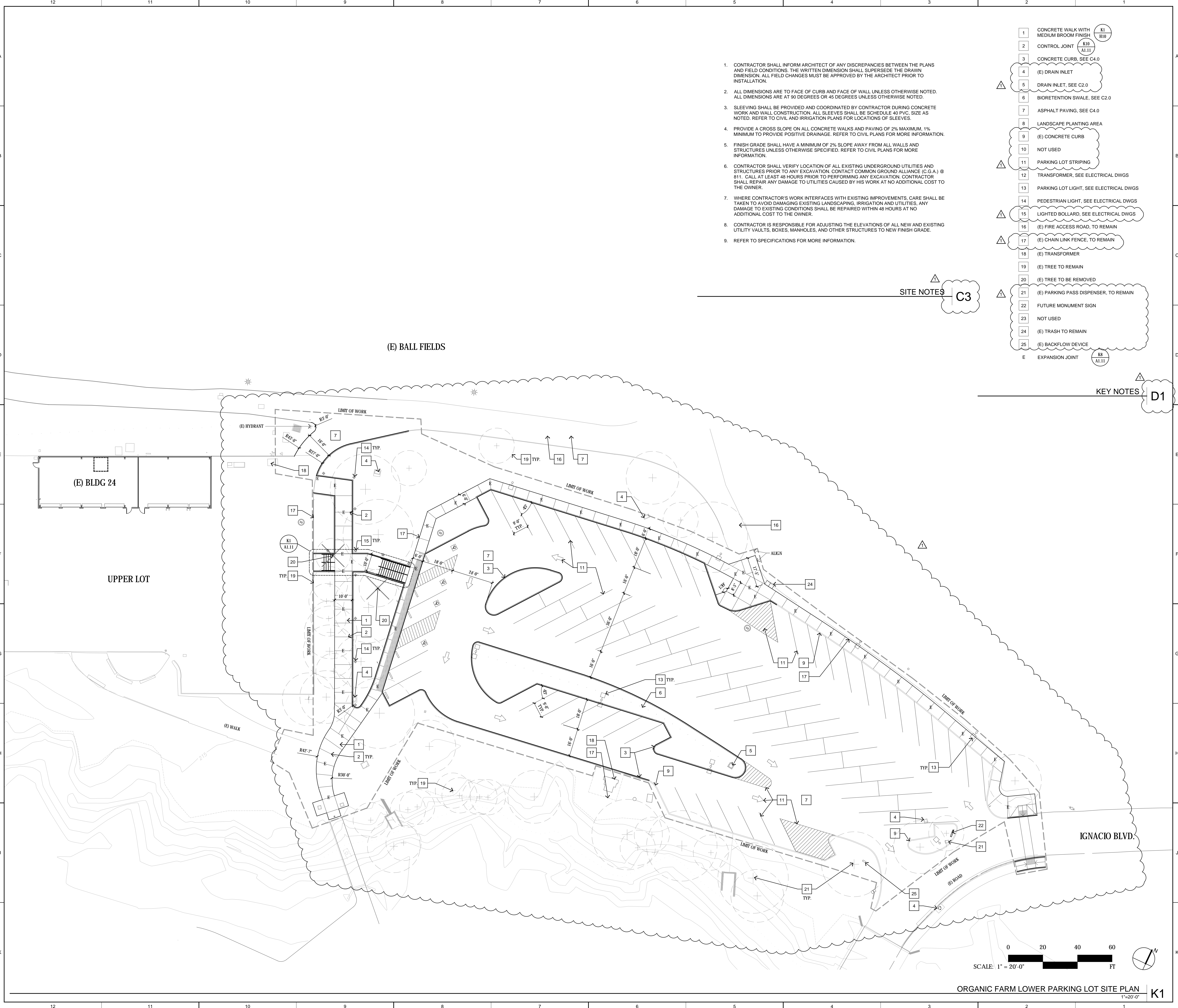
△ BID ADDENDUM #2 08.02.17

1. CONTRACTOR SHALL INFORM ARCHITECT OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS. THE WRITTEN DIMENSION SHALL SUPERSEDE THE DRAWN DIMENSION. ALL FIELD CHANGES MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
2. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF WALL UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE AT 90 DEGREES OR 45 DEGREES UNLESS OTHERWISE NOTED.
3. SLEEVING SHALL BE PROVIDED AND COORDINATED BY CONTRACTOR DURING CONCRETE WORK AND WALL CONSTRUCTION. ALL SLEEVES SHALL BE SCHEDULE 40 PVC, SIZE AS NOTED. REFER TO CIVIL AND IRRIGATION PLANS FOR LOCATIONS OF SLEEVES.
4. PROVIDE A CROSS SLOPE ON ALL CONCRETE WALKS AND PAVING OF 2% MAXIMUM, 1% MINIMUM TO PROVIDE POSITIVE DRAINAGE. REFER TO CIVIL PLANS FOR MORE INFORMATION.
5. FINISH GRADE SHALL HAVE A MINIMUM OF 2% SLOPE AWAY FROM ALL WALLS AND STRUCTURES UNLESS OTHERWISE SPECIFIED. REFER TO CIVIL PLANS FOR MORE INFORMATION.
6. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO ANY EXCAVATION. CONTACT COMMON GROUND ALLIANCE (C.G.A.) @ 811. CALL AT LEAST 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION. CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
7. WHERE CONTRACTOR'S WORK INTERFACES WITH EXISTING IMPROVEMENTS, CARE SHALL BE TAKEN TO AVOID DAMAGING EXISTING LANDSCAPING, IRRIGATION AND UTILITIES. ANY DAMAGE TO EXISTING CONDITIONS SHALL BE REPAIRED WITHIN 48 HOURS AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE ELEVATIONS OF ALL NEW AND EXISTING UTILITY VAULTS, BOXES, MANHOLES, AND OTHER STRUCTURES TO NEW FINISH GRADE.
9. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

- 1 CONCRETE WALK WITH MEDIUM BROOM FINISH (K1 H10)
- 2 CONTROL JOINT (K10 AL11)
- 3 CONCRETE CURB, SEE C4.0
- 4 (E) DRAIN INLET
- 5 DRAIN INLET, SEE C2.0
- 6 BIORETENTION SWALE, SEE C2.0
- 7 ASPHALT PAVING, SEE C4.0
- 8 LANDSCAPE PLANTING AREA
- 9 (E) CONCRETE CURB
- 10 NOT USED
- 11 PARKING LOT STRIPING
- 12 TRANSFORMER, SEE ELECTRICAL DWGS
- 13 PARKING LOT LIGHT, SEE ELECTRICAL DWGS
- 14 PEDESTRIAN LIGHT, SEE ELECTRICAL DWGS
- 15 LIGHTED BOLLARD, SEE ELECTRICAL DWGS
- 16 (E) FIRE ACCESS ROAD, TO REMAIN
- 17 (E) CHAIN LINK FENCE, TO REMAIN
- 18 (E) TRANSFORMER
- 19 (E) TREE TO REMAIN
- 20 (E) TREE TO BE REMOVED
- 21 (E) PARKING PASS DISPENSER, TO REMAIN
- 22 FUTURE MONUMENT SIGN
- 23 NOT USED
- 24 (E) TRASH TO REMAIN
- 25 (E) BACKFLOW DEVICE (K1 AL11)
- E EXPANSION JOINT (K1 AL11)

SITE NOTES C3

KEY NOTES D1



IDENTIFICATION STAMP
OFFICE OF REGULATION SERVICES
01-116739 OTC
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APPROVAL

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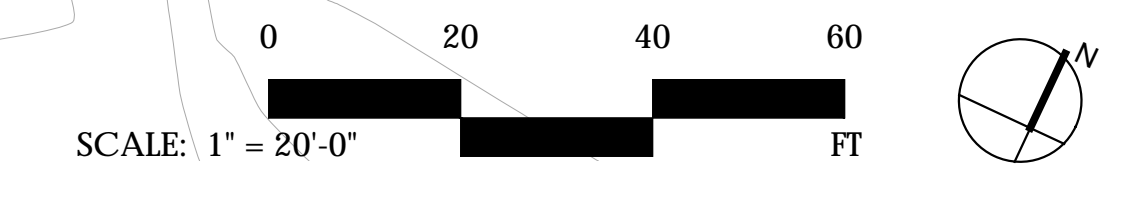
CONSULTANT

SITE PLAN

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

A1.00



ORGANIC FARM LOWER PARKING LOT SITE PLAN K1

SYMBOLS LIST

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

POWER DISTRIBUTION

- SWITCHBOARD, DISTRIBUTION BOARD, SUBSTATION OR MOTOR CONTROL CENTER, FLOOR MOUNTED.
- PANELBOARD, 277/480V, SURFACE MOUNTED ON WALL.
- PANELBOARD, 277/480V, FLUSH MOUNTED IN WALL.
- PANELBOARD, 120/208V, SURFACE MOUNTED ON WALL.
- PANELBOARD, 120/208V, FLUSH MOUNTED IN WALL.
- DRY-TYPE STEP-DOWN TRANSFORMER, FLOOR MOUNTED 30,480-120/208V, UON.
- ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS.
- INDOOR EXHAUST FAN MOTOR, SINGLE PHASE. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED MANUAL MOTOR STARTER AND DISCONNECT ADJACENT TO FAN WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
- INDOOR FAN POWERED VAV BOX MOTOR, SINGLE PHASE, MOUNTED FROM STRUCTURE ABOVE. NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED MANUAL MOTOR STARTER AND DISCONNECT ADJACENT TO VAV BOX WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
- PULLBOX OR HANDHOLE, SIZE AND TYPE AS NOTED ON PLANS.
- SAFETY DISCONNECT SWITCH, 3 POLE, UON. ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE. LABELING CONVENTION AS FOLLOWS:
A: 30A, NON-FUSED AF: 30A, FUSED
B: 60A, NON-FUSED BF: 60A, FUSED
C: 100A, NON-FUSED CF: 100A, FUSED
D: 200A, NON-FUSED DF: 200A, FUSED
E: 400A, NON-FUSED EF: 400A, FUSED
F: 600A, NON-FUSED FF: 600A, FUSED
G: 800A, NON-FUSED GF: 800A, FUSED
- MAGNETIC MOTOR STARTER, ADJACENT NUMBER INDICATES NEMA SIZE OF STARTER.
- COMBINATION MAGNETIC MOTOR STARTER/SAFETY DISCONNECT SWITCH, ADJACENT NUMBER INDICATES NEMA SIZE OF STARTER.
- PACKAGE MOTOR CONTROLLER OR STARTER FURNISHED AND INSTALLED UNDER ANOTHER DIVISION WITH EQUIPMENT CONTROLLED. PROVIDE SINGLE-POINT POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
- VARIABLE FREQUENCY DRIVE FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
- VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
- DRIVEN GROUND ROD.
- DRIVEN GROUND ROD IN GROUND WELL WITH COVER.
- ELECTRICAL VEHICLE CHARGING STATION, WALL MOUNTED.
- ELECTRICAL VEHICLE CHARGING STATION, PEDESTAL MOUNTED.
- BRANCH CIRCUIT POWER DISTRIBUTION BOX OF MANUFACTURED WIRING SYSTEM WITH MODULAR CONNECTORS FOR INTERFACE TO BRANCH CIRCUIT MODULAR CABLE SETS AND CABLE OR CONDUIT HOMERUN. BOX MOUNTED FROM STRUCTURE ABOVE IN ACCESSIBLE CEILING SPACE. ADJACENT NUMBERS INDICATE CIRCUITS AVAILABLE AT BOX.
- DEVICE BRANCH CIRCUIT POWER DISTRIBUTION BOX FOR INTERFACE BETWEEN MULTI-CIRCUIT HOMERUN AND MC CABLE BRANCH CIRCUITS. MINIMUM BOX SIZE IS 10"X10"X4" DEEP. BOX MOUNTED FROM STRUCTURE ABOVE IN ACCESSIBLE CEILING SPACE. ADJACENT NUMBERS INDICATE CIRCUITS AVAILABLE AT BOX.
- INDICATES CABLE TERMINATION LUGS AT EQUIPMENT BUS.
- BOLTED PRESSURE OR HIGH PRESSURE CONTACT SWITCH.
- FUSED SWITCH.
- MEDIUM-VOLTAGE LOAD INTERRUPTER SWITCH.
- GROUP MOUNTED MOLDED CASE CIRCUIT BREAKER.
- INDIVIDUALLY FIXED MOUNTED INSULATED-CASE OR POWER CIRCUIT BREAKER.
- INDIVIDUALLY DRAW-OUT MOUNTED INSULATED-CASE OR POWER CIRCUIT BREAKER.
- MEDIUM-VOLTAGE, INDIVIDUALLY DRAW-OUT MOUNTED VACUUM CIRCUIT BREAKER.
- INDICATES INTEGRAL GROUND FAULT RELAY WHEN ASSOCIATED WITH CIRCUIT BREAKER.
- INDICATES COMMUNICATION NETWORK WIRING WHEN ASSOCIATED WITH CIRCUIT BREAKER.
- INDICATES ELECTRICALLY OPERATED WHEN ASSOCIATED WITH CIRCUIT BREAKER.
- INDICATES SHUNT TRIP WHEN ASSOCIATED WITH OVERCURRENT PROTECTION DEVICES.
- INDICATES KIRK-KEY INTERLOCK WHEN ASSOCIATES WITH OVERCURRENT PROTECTION DEVICES. ADJACENT NUMBER CORRESPONDS WITH DEVICE INTERLOCK.
- GROUND FAULT RELAY WITH SHUNT TRIP.
- GROUND FAULT ALARM, NO SHUNT TRIP.
- UTILITY METER.
- TRANSFORMER.
- CONNECTION TO GROUND.
- CURRENT TRANSFORMERS.
- POTENTIAL TRANSFORMERS.
- AUTOMATIC OR MANUAL TRANSFER SWITCH.
- EMERGENCY GENERATOR.
- BATTERIES.
- NEUTRAL SERVICE DISCONNECT LINK.
- SURGE PROTECTION DEVICE, SPD.
- CONTROL CONTACTOR.
- NORMALLY OPEN CONTACT.
- NORMALLY CLOSED CONTACT.
- DIGITAL METERING UNIT.
- GROUND BUS.
- WATT HOUR METER.
- NEUTRAL BUS.

WIRING DEVICES

- JUNCTION BOX, WALL MOUNTED, +18" UON.
- JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX.
- JUNCTION BOX, MOUNTED FLUSH IN CEILING.
- JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO STRUCTURE IN ACCESSIBLE CEILING SPACE.
- JUNCTION BOX, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
- SINGLE-PLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- 'G' DENOTES ISOLATED GROUND, DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- DENOTES WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON.
- 'G' DENOTES GROUND FAULT CURRENT INTERRUPTER (GFCI), 'A' DENOTES ARC FAULT CURRENT INTERRUPTER (AFCI).
- DUPLEX RECEPTACLE, WEATHER RESISTANT WITH GROUND FAULT CURRENT INTERRUPTER (GFCI), WITH WEATHERPROOF COVER, WALL MOUNTED, +18" UON.
- SHADING DENOTES SPLIT WIRED DEVICE.
- SHADING DENOTES DEVICE CONNECTED TO EMERGENCY POWER CIRCUIT.
- SHADING DENOTES CONTROL RECEPTACLE.
- SHADING DENOTES SPECIALTY DEVICE, TYPE AS NOTED ON PLANS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLOOR MOUNTED.
- COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, CORD OR REEL HUNG FROM STRUCTURE ABOVE. TYPE AS NOTED ON PLANS.
- ELECTRIFIED FURNITURE PARTITION POWER FEED, WALL MOUNTED, +18" UON. CONSISTS OF A 11/16" SQ. X 2 1/8" DEEP JUNCTION BOX, SINGLE GANG RING, AND STAINLESS STEEL COVER PLATE WITH KO TO ACCEPT FURNITURE WHIP.
- ELECTRIFIED FURNITURE PARTITION COMBINATION POWER/TELECOMMUNICATION FEEDS, MOUNTED IN FLUSH FLOOR BOX WITH KOS IN COVER TO ACCEPT FURNITURE WHIPS.
- ELECTRIFIED FURNITURE PARTITION POWER FEED, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING WITH KO IN COVER TO ACCEPT FURNITURE WHIP.
- POWER/TELECOMMUNICATION POLE, MOUNTED TO EXTEND FROM FLOOR TO CEILING. TYPE AS NOTED ON PLANS.
- SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
- THREE-WAY SWITCH, WALL MOUNTED, +42" UON.
- FOUR-WAY SWITCH, WALL MOUNTED, +42" UON.
- KEY-OPERATED, SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
- PILOT LIGHT, SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
- MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD ELEMENT, MOUNTED ADJACENT TO MOTOR.
- MANUAL MOTOR STARTER/DISCONNECT SWITCH, MOUNTED ADJACENT TO MOTOR.
- SWITCH FURNISHED UNDER ANOTHER DIVISION, BUT INSTALLED AND WIRED UNDER THIS DIVISION, WALL MOUNTED, +42" UON.
- WALL BOX DIMMER SWITCH, +42" UON. SIZED PER CONNECTED LOAD ON PLANS AND FURNISHED FOR LAMP SOURCE SERVED. PROVIDED FOR DE-RATING WHEN INSTALLED GANGED LOCATIONS.
- SINGLE-POLE, TIMER CONTROLLED SWITCH, WALL MOUNTED, +42" UON.
- SINGLE-POLE, SINGLE-THROW, EXPLOSION PROOF SWITCH, WALL MOUNTED, +42" UON.
- LINE-VOLTAGE MULTIPLE GANG SWITCHING STATION, WALL MOUNTED, 42" UON. REFER TO PLANS FOR DEVICE QUANTITIES AND TYPES.
- LOW-VOLTAGE LIGHTING CONTROL SWITCHING STATION, WALL MOUNTED, +42" UON. REFER TO PLANS AND SCHEDULES FOR DEVICE QUANTITIES AND RELAYS CONTROLLED.
- LIGHTING CONTROL OCCUPANCY SENSOR WITH DUAL LEVEL SWITCHING, WALL MOUNTED, +42" UON.
- LIGHTING CONTROL OCCUPANCY SENSOR WITH SINGLE LEVEL SWITCHING, WALL MOUNTED, +42" UON.
- LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED FOR AREA COVERAGE.
- PRESET SCENE CONTROL LIGHTING STATION WITH DIMMING CAPABILITIES, WALL MOUNTED, +42" UON. REFER TO PLANS AND SCHEDULES FOR CONTROL.
- EGRESS LIGHTING TRANSFER DEVICE.
- CONTROL STATION, WALL MOUNTED, +42" UON.
- PHOTOELECTRIC CELL.
- DAYLIGHT SENSOR.

LIGHTING

- LIGHT FIXTURE, RECESSED IN CEILING.
 - LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
 - LIGHT FIXTURE, WALL MOUNTED.
 - STRIP LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
 - STRIP LIGHT FIXTURE, SURFACE MOUNTED IN ARCHITECTURAL CEILING COVE.
 - STRIP LIGHT FIXTURE, SURFACE MOUNTED VERTICALLY ON WALL OR IN COVE.
 - DOWNLIGHT FIXTURE, RECESSED IN CEILING.
 - DOWNLIGHT/INDUSTRIAL FIXTURE, SURFACE OR PENDANT MOUNTED.
 - SINGLE DIRECTIONAL, WALLWASH LIGHT FIXTURE, RECESSED IN CEILING.
 - DUAL DIRECTIONAL, WALLWASH LIGHT FIXTURE, RECESSED IN CEILING.
 - SINGLE DIRECTIONAL, WALLWASH LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
 - DUAL DIRECTIONAL, WALLWASH LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
 - ADJUSTABLE ACCENT LIGHT FIXTURE, RECESSED IN CEILING.
 - ADJUSTABLE ACCENT LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
 - LINEAR WALLWASH LIGHT FIXTURE, RECESSED IN CEILING.
 - LINEAR WALLWASH LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
 - LINEAR, MULTI-HEAD, ADJUSTABLE ACCENT LIGHT FIXTURES, RECESSED IN CEILING.
 - SCONCE LIGHT FIXTURE, WALL MOUNTED.
 - DECORATIVE CHANDELIER OR BOWL TYPE FIXTURE, PENDANT MOUNTED.
 - LINEAR TRACK SYSTEM WITH PLUG-IN ADJUSTABLE LIGHT FIXTURE HEADS. TRACK SHALL BE EITHER RECESSED, SURFACE OR PENDANT MOUNTED TO CEILING AS NOTED IN FIXTURE SCHEDULE.
 - EXIT SIGN LIGHT FIXTURE, CEILING OR WALL MOUNTED WITH DIRECTIONAL ARROWS AS NOTED ON PLANS. WORD EXIT TO BE LOCATED IN SHADED FACE(S).
 - COMBO EXIT SIGN AND EGRESS LIGHTING FIXTURE, CEILING OR WALL MOUNTED WITH ARROWS AS NOTED ON PLANS OR IN FIXTURE SCHEDULE.
 - EMERGENCY SELF-POWERED BATTERY PACK WITH LIGHT FIXTURE HEADS AS NOTED ON PLANS OR IN FIXTURE SCHEDULE.
 - HALF SHADING OF ANY FIXTURE INDICATES LIFE SAFETY/EGRESS LIGHTING.
 - FULL SHADING OF ANY FIXTURE INDICATES STANDBY/CRITICAL LIGHTING.
- EXTERIOR:**
- SINGLE-HEAD AREA LIGHT FIXTURE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE BASE.
 - TWO-HEAD AREA LIGHT FIXTURES WITH BRACKET ARMS AND POLE, MOUNTED TO CONCRETE BASE.
 - SINGLE-HEAD AREA POST-TOP LIGHT FIXTURE WITH POLE, MOUNTED TO CONCRETE BASE.
 - AREA LIGHT FIXTURE, SURFACE OR RECESSED MOUNTED TO WALL.
 - LIGHT FIXTURE BOLLARD, MOUNTED TO CONCRETE BASE.
 - GROUND WELL MOUNTED FLUSH IN FINISHED GRADE.
 - FLOODLIGHT FIXTURE, STANCHION MOUNTED ABOVE GRADE.
 - LINEAR SIGN LIGHT FIXTURE, STANCHION MOUNTED ABOVE GRADE.
 - STEPLIGHT FIXTURE, WALL MOUNTED.
 - POLE MOUNTED PATHWAY LIGHT FIXTURE, MOUNTED ON HIGH CONCRETE BASE.

ABBREVIATIONS

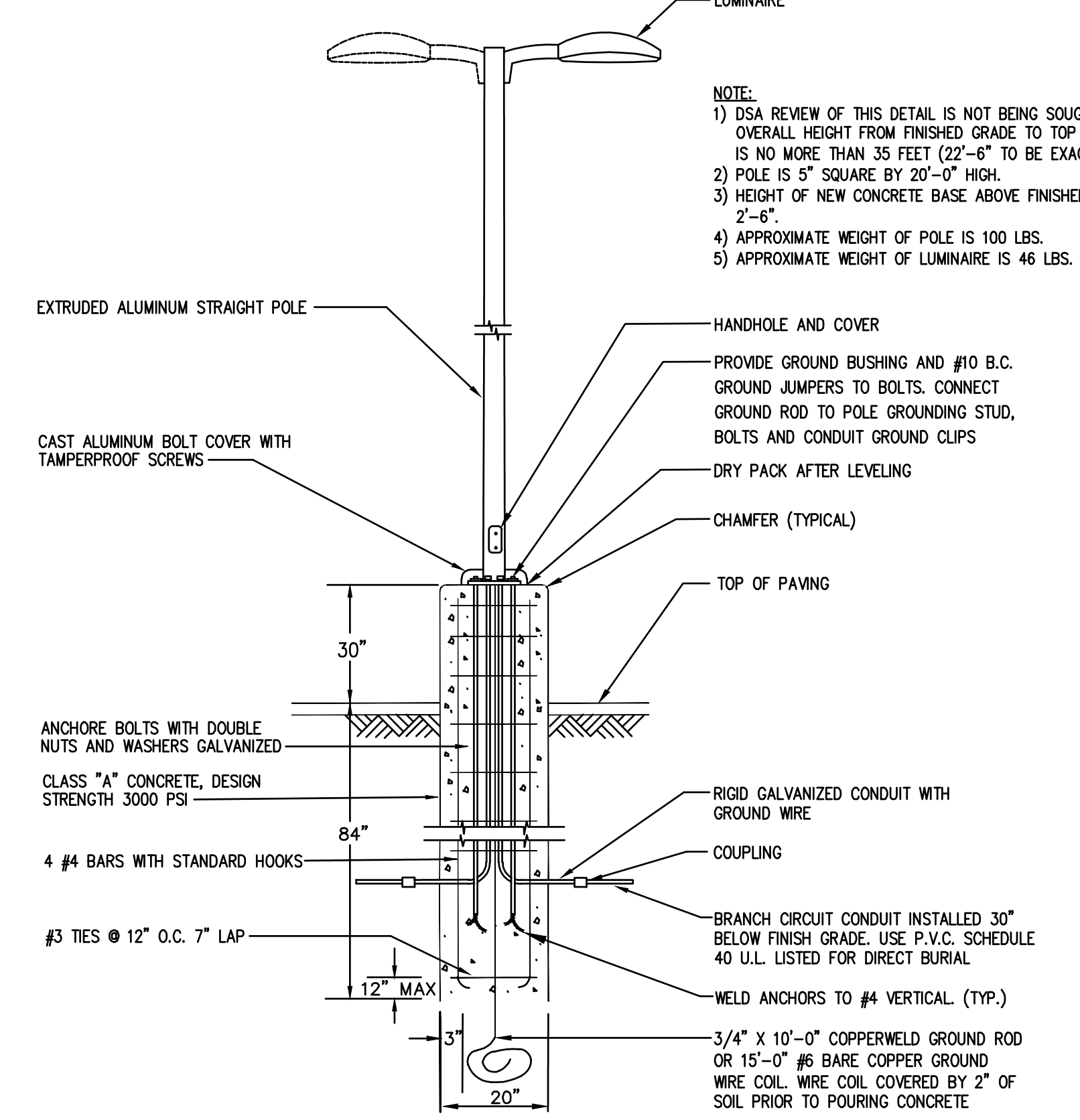
A	AMPERES	LSCP	LIFE SAFETY CONTROL PANEL
AFC	ABOVE FINISHED CEILING	LCP	LIGHTING CONTROL PANEL
AFI	ARC FAULT CIRCUIT INTERRUPTER	MGB	MAIN LIGHTING GROUND BUS
AF	AMPERE OVERCURRENT FRAME SIZE (WHEN APPLIED TO CIRCUIT BREAKERS) OR AMPERE FUSE SIZE (WHEN APPLIED TO FUSES)	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AIC	ASYMMETRIC INTERRUPTING CURRENT	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MT	EMPTY
AT	AMPERE OVERCURRENT TRIP (WHEN APPLIED TO CIRCUIT BREAKERS)	MTC	EMPTY CONDUIT
ATS	AUTOMATIC TRANSFER SWITCH	MTGB	MAIN TELECOM GROUND BUS
BAS	BUILDING AUTOMATION SYSTEM	MWS	MANUAL TRANSFER SWITCH
BFC	BELOW FINISHED CEILING	MS	MICROWAVE
BOC	BACK OF CURB	(N)	NEW
BPS	BOLTED PRESSURE CONTACT SWITCH	NC	NORMALLY CLOSED
C	CONDUIT	NF	NON-FUSED
CCTV	CLOSED CIRCUIT TELEVISION	NIEC	NOT IN ELECTRICAL CONTRACT
CL	CURRENT LIMITING CIRCUIT BREAKER OR FUSE	NO	NORMALLY OPEN
CP	CIRCULATION PUMP	NTS	NOT TO SCALE
CKT	CIRCUIT	OC	ON CENTER
CT	CURRENT TRANSFORMER	OCFI	OWNER FURNISHED CONTRACTOR INSTALLED
CU	COPPER	POU	POWER DISTRIBUTION UNIT
DF	DRINKING FOUNTAIN	PIV	POST INDICATING VALVE
DW	DISH WASHER	PNL	PANEL
(E)	EXISTING TO REMAIN	PT	POTENTIAL TRANSFORMER
EC	ELECTRICAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
EF	EXHAUST FAN	RF	REFRIGERATOR
EP	EXPLOSION PROOF	(R)	EXISTING TO BE REMOVED
EPO	EMERGENCY POWER OFF	(RL)	RELOCATED
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	(RR)	REMOVE AND RELOCATE
EMT	ELECTRICAL METALLIC TUBING	RSC	RIGID STEEL CONDUIT
ETD	EMERGENCY TRANSFER DEVICE	SAD	SEE ARCHITECTURAL DRAWINGS
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT	SPD	SURGE PROTECTION DEVICE
EVCS	ELECTRIC VEHICLE CHARGING STATION	TC	TIME CLOCK
EVH	ELECTRIC WATER HEATER	TGB	TELECOMMUNICATIONS GROUND BUS
F	FUSED	TP	TWISTED-PAIR
(F)	FUTURE	TR	TRANSFORMER
FACP	FIRE ALARM CONTROL PANEL	UON	UNLESS OTHERWISE NOTED
FABJ	FIRE ALARM JUNCTION BOX	UPS	UNINTERRUPTIBLE POWER SUPPLY
FCFP	FIREMAN'S FAN CONTROL PANEL	URAP	UPS REMOTE ANNUNCIATOR PANEL
FLA	FULL LOAD AMPERES	UR	UNDERCOUNTER REFRIGERATOR
FMC	FLEXIBLE METAL CONDUIT	V	VOLTS
FSD	FIRE/SMOKE DAMPER	VA	VOLTS-AMPS
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR	VAV	VARIABLE AIR VOLUME
FRAP	FIREMAN'S REMOTE ANNUNCIATOR PANEL	VFD	VARIABLE FREQUENCY DRIVE
G	GROUND	VM	VENDING MACHINE
GB	GROUND BUS	W	WATTS
GD	GARBAGE DISPOSAL	WAP	WIRELESS ACCESS POINT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	WH	WATER HEATER
GND	GROUND	WP	WEATHERPROOF
GRAP	GENERATOR REMOTE ANNUNCIATOR PANEL	2SP	TWO SPEED
GWH	GAS WATER HEATER	1Ø	1 PHASE
HPC	HIGH PRESSURE CONTACT SWITCH	3Ø	3 PHASE
HVAC	HEATING, VENTING AND AIR CONDITIONING	1P	1 POLE
IMC	INTERMEDIATE METAL CONDUIT	2P	2 POLE
IWH	INSTANTANEOUS OR POINT OF USE WATER HEATER	3P	3 POLE
JB	JUNCTION BOX	3W	3 WIRE
		4W	4 WIRE

RACEWAYS

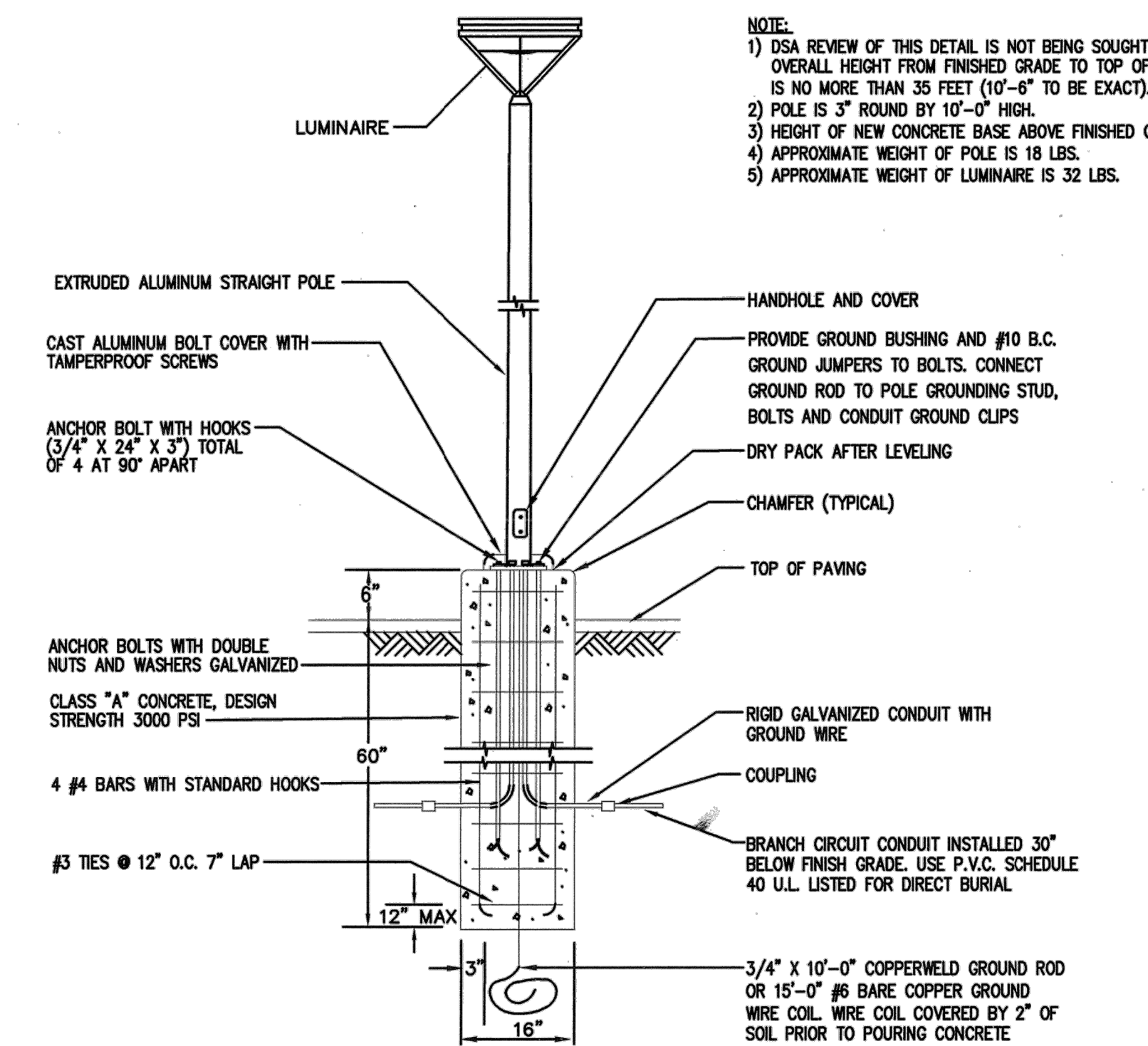
- CONDUIT RUN EXPOSED ON WALL OR CEILING.
- CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
- CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET.
- FLEXIBLE METALLIC CONDUIT.
- CONDUIT TURNED UP.
- CONDUIT TURNED DOWN.
- CONDUIT CAPPED OR STUBBED WITH INSULATED BUSHINGS.
- CONDUIT SLEEVE, WITH INSULATING BUSHINGS.
- CROSSMARKS ON BRANCH CIRCUIT CONDUIT RUNS INDICATE THE QUANTITY OF CONDUCTORS AS FOLLOWS (GROUND CONDUCTORS ARE NOT NOTED, BUT SHOULD BE INCLUDED IN EVERY CONDUIT WITH POWER CONDUCTORS):
1. NO CROSSMARKS INDICATES TWO #12 AWG CONDUCTORS, UON.
2. THREE TO SIX CROSSMARKS INDICATES THE QUANTITY OF #12 AWG CONDUCTORS, UON.
3. SEVEN OR MORE CROSSMARKS INDICATES THE QUANTITY OF #10 AWG CONDUCTORS, UON.
- MULTI-OUTLET TWO PIECE SURFACE RACEWAY, TYPE, DEVICE SPACING AND MOUNTING AS NOTED ON PLANS.
- TWO PIECE SURFACE METAL RACEWAY, MOUNTING AS NOTED IN PLANS.
- CABLE TRAY, CABLE RUNWAY OR LADDER RACK SUSPENDED FROM STRUCTURE ABOVE. REFER TO PLANS FOR SIZE AND MOUNTING.

CONVENTIONS

- NUMBERED NOTE, APPLIES TO ALL DRAWINGS.
- NUMBERED SHEET NOTE, APPLIES TO DRAWINGS CONTAINING NOTES ONLY.
- OVERCURRENT PROTECTIVE DEVICE SPACE IDENTIFICATION TAG, REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC.
- EQUIPMENT IDENTIFICATION TAG, ITEM FURNISHED AND INSTALLED UNDER ANOTHER SECTION AND WIRED UNDER THIS SECTION.
- CABLE AND/OR RACEWAY TAG, FUNCTION AS NOTED BELOW:
P = POWER T = TELEPHONE C = COMMUNICATION
- FEEDER SIZE, REFER TO FEEDER SCHEDULE.
- DETAIL REFERENCE:
SHEET NUMBER
DETAIL DESIGNATION
- FIXTURE IDENTIFICATION TAG:
FIXTURE TYPE
QUANTITY



A E0.01 MOUNTING DETAIL FOR SF1 - POLE MOUNTED PARKING LOT FIXTURE NTS



B E0.01 MOUNTING DETAIL FOR SF2 - POLE MOUNTED PATHWAY FIXTURE NTS

EXTERIOR LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER & CATALOG NUMBER	LAMP QUANTITY / LAMP	WATTAGE	VOLTAGE	BALLAST QUANTITY/TYPE	DESCRIPTION
SF1	GARCO LIGHTING GULLWING LED SERIES GL18-24-2HGLA-641A-WW-UV-OC-RAL7043	LED	277W X 2	120/277	ELECT.	POLE-MOUNTED PARKING LOT LIGHTING WITH TWO FIXTURE ASSEMBLY ON ALUMINUM POLE. 25 HIGH, 5" SQUARE POLE ON 30" HIGH CONCRETE BASE. PAINT COLOR IS CAMPUS STANDARD. PROVIDE PAINT CHIPS FOR APPROVAL.
SF1A	GARCO LIGHTING GULLWING LED SERIES GL18-14-2HGLA-641A-WW-UV-OC-RAL7043	LED	277W	120/277	ELECT.	SAME AS SF1 WITH ONE FIXTURE ASSEMBLY.
SF2	VISIONAIRE LIGHTING PRE-24-T2-4ILC-5-3K-UV-PT-XX-PC277-0IM-WSC	LED	78W	120/277	ELECT.	POLE MOUNTED PATHWAY LIGHTING FIXTURE. 10" HIGH, 3" SQUARE POLE ON 8" HIGH CONCRETE BASE. PROVIDE WITH INTEGRAL PHOTOSENSOR, DIMMING DRIVER AND MOTION SENSOR. COLOR SHALL MATCH CAMPUS STANDARD. PROVIDE PAINT CHIPS FOR APPROVAL.
SF3	GARCO LIGHTING BRBMS4-42-CWL-WW-360-UV-OC	LED	41W	120/277	ELECT.	42" LED BOLLARD. COLOR SHALL MATCH CAMPUS STANDARD. PROVIDE PAINT CHIPS FOR APPROVAL.

DRAWING INDEX

DWG. NO.	TITLE
E0.01	SYMBOLS LIST, DRAWING INDEX & DETAILS
E0.02	TITLE 24
E1.00	ELECTRICAL SITE PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE SERVICES
OFFICE OF REGULATION SERVICES

01-116739 OTC

AC _____ FLS _____ SS _____
DATE _____

ARCHITECT'S STAMP APPROVAL

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CONSULTANT

REGULATED PROFESSIONAL ENGINEER
SCOTT WHEELER
No. E015491
Exp. 06/30/17
ELECTRICAL
STATE OF CALIFORNIA

The Engineering Enterprise
Consulting Engineers
1125 HIGH STREET
ALBUQUERQUE, CA 95603
(530) 886-8656

SYMBOLS LIST, DRAWING INDEX & DETAILS

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

E0.01

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E
 Outdoor Lighting (Page 1 of 4)
 Project Name: College of Marin Lower Parking Lot Date Prepared: May 22, 2017

A. General Information
 Project Address: 123 Any Street, Hayward, CA 94555 Total Illuminated Hardscape Area
 Phase of Construction: New Construction Addition Alteration
 Outdoor Lighting Zone (LZ) LZ-1 LZ-2 LZ-3 LZ-4
 I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114.

B. LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)
 For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the *Nonresidential Manual published by the California Energy Commission*.
 NRCC-LTO-01-E Certificate of Compliance
 NRCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance
 NRCC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance
 NRCC-LTO-04-E Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Lighting Power

1. Sum Total of ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	=	3687.4
Complies ONLY if Installed (Box 02) ← Allowed (Box 1)		
2. Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3	=	2704

D. Declaration of Required Installation Certificates - Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)
 NRCC-LTO-01-E - Must be submitted for all buildings Field Inspector
 NRCC-LTO-02-E - Must be submitted for lighting control system, or for an Emergency Management Control System (EMCS), to be recognized for compliance Field Inspector

E. Declaration of Required Certificates of Acceptance - Declare by checking all Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)
 NRCC-LTO-02-A - Must be submitted for outdoor lighting controls. Field Inspector

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E
 Outdoor Lighting (Page 3 of 4)
 Project Name: College of Marin Lower Parking Lot Date Prepared: May 22, 2017

I. OUTDOOR LIGHTING SCHEDULE AND FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule	Installed Watts	Location	Cutoff	Field Inspector					
01	02	03	04	05	06	07	08	09	
Name or Item Tag	Complete luminaire description	Watts per luminaire	How wattage was determined	Number of luminaires	Total installed Watts in this area (01-09)	Primary function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass	Fail
SF1	LED 2' pole mounted fixture	208	02	10	2080	Parking lot		<input type="checkbox"/>	<input type="checkbox"/>
SF2	LED 2' pole mounted fixture	78	02	8	624	Pathway		<input type="checkbox"/>	<input type="checkbox"/>
INSTALLED WATTS PAGE TOTAL:						2704	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E, page 3.		

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E
 Outdoor Lighting (Page 4 of 4)
 Project Name: College of Marin Lower Parking Lot Date Prepared: May 22, 2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I, Andrew Godsil, certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: Andrew Godsil
 Signature Date: May 22, 2017
 Company: The Engineering Enterprise
 Address: 1125 High Street
 City/State/Zip: Auburn, CA 95603
 Phone: (530) 886-8556

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Scott Wheeler
 Signature Date: May 22, 2017
 Company: The Engineering Enterprise
 Address: 1125 High Street
 City/State/Zip: Auburn, CA 95603
 Phone: (530) 886-8556

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 CEC-NRCC-LTO-02-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E
 Outdoor Lighting Controls (Page 3 of 3)
 Project Name: College of Marin Lower Parking Lot Date Prepared: May 22, 2017

The NRCC-LTO-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

A. Mandatory Outdoor Lighting Control Declaration Statements
 Check all that apply:

- Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 130.9.
- Lighting shall be controlled by a lighting control system or energy management control system in accordance with Section 130.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
- All lighting controls and equipment shall comply with the applicable requirements in §130.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §131.1.
- For Night Outdoor Lighting Controls, as defined in Section 130.1, shall meet the requirements in Section 130.9(b)(5).
- All outdoor incandescent luminaires rated over 150 watts, determined in accordance with Section 130.9(c), shall be controlled by a motion sensor.
- All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.9(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.1(b).
- All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.3(c)(1).
- All installed outdoor lighting shall be controlled and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)(2).
- All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)(3).
- For Outdoor Sites Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c)(4).
- For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)(5).
- Reform an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4 (a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.3(c) and Reference Nonresidential Appendix NA2.8.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 CEC-NRCC-LTO-02-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E
 Outdoor Lighting Controls (Page 3 of 3)
 Project Name: College of Marin Lower Parking Lot Date Prepared: May 22, 2017

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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
 CEC-NRCC-LTO-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-03-E
 Outdoor Lighting Power Allowances (Page 1 of 2)
 Project Name: College of Marin Lower Parking Lot Date Prepared: May 22, 2017

A. Outdoor Lighting Power Allowance Summary
 I. General Hardscape Lighting Power Allowance (See Table 140.7-A)
 II. Additional Specific "Use for" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts reported in Section C.1 of NRCC-LTO-03-E.

PER APPLICATION	PER UNIT LENGTH	PER HARDSCAPE AREA	PER SPECIFIC AREA
From Section C.1	SALES FRONTAGE	ORNAMENTAL LIGHTING	From Section C.3
I. Sum Total ALLOWED Outdoor Lighting Wattage (see Table 140.7-A)			

B. General Hardscape Lighting Power Allowance From Table 140.7-A

Area	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
	01	02	03	04	05	06		
Name of area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (802 x 803)	Perimeter Length of Covered Hardscape	LWA per Linear Foot	LWA (803 x 806)	IWA (AWAs)	804 x 807 x 808
Parking lot	5960	0.04	238.4	1000	0.25	250	1000	3687.4
TOTAL								3687.4

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
 CEC-NRCC-LTO-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION
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 Outdoor Lighting Power Allowances (Page 4 of 4)
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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

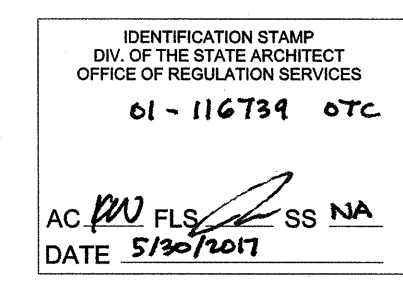


2484 Natomas Park Drive Suite 100 Sacramento CA 95833
 916 443 0335 lpasdesign.com Architecture + Design

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA



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TITLE 24

PROJECT NO: 1102-0005
 DATE: 05.05.17

SHEET NO:

E0.02

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

NO. ISSUE DATE

△ BID ADDENDUM #2 08.02.17

- NUMERICAL PLANT QUANTITIES ARE FOR INFORMATION ONLY. IN CASE OF DISCREPANCY, VERIFY FROM PLAN.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO ANY EXCAVATION. CONTACT COMMON GROUND ALLIANCE (C.G.A.) @ 811. CALL AT LEAST 48 HOURS PRIOR TO PERFORMING EXCAVATION. CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- SLOPE ALL PLANTING AREAS A MINIMUM OF 2% TO PROVIDE POSITIVE DRAINAGE.
- IMPORTED TOPSOIL SHALL BE TESTED BY AN APPROVED SOIL TESTING SERVICE, AND TOPSOIL SHALL BE AMENDED PER THE RECOMMENDATIONS CONTAINED IN THAT SOILS REPORT. REFER TO SPECIFICATIONS FOR MORE INFORMATION ON SOILS TEST AND AMENDMENTS.
- TOP DRESS ALL SHRUB AND GROUND COVER AREAS, (NOT LAWN) WITH A 3" LAYER OF 2" SHREDDED FIR BARK MULCH PER SPECIFICATIONS. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- TREE LOCATIONS MAY BE ADJUSTED IN THE FIELD BY THE LANDSCAPE ARCHITECT TO SUIT SITE REQUIREMENTS.
- SOIL CONDITIONS CAUSING THE RETENTION OF WATER IN PLANTING PITS FOR MORE THAN 2 HOURS SHALL BE CORRECTED PRIOR TO PLANTING TO PROVIDE POSITIVE DRAINAGE, AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANT MATERIALS SHALL COMPLY WITH SPECIFICATIONS OF ANSI Z60.1 "STANDARD FOR NURSERY STOCK"
- CONTRACTOR SHALL SECURE PLANT MATERIALS AS SPECIFIED IMMEDIATELY UPON BID AWARD. IF PLANT MATERIALS ARE NOT AVAILABLE, CONTACT LANDSCAPE ARCHITECT FOR APPROVAL OF SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIAL WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- INSTALL ROOT BARRIERS FOR ALL TREES LOCATED IN SQUARE PARKING LOT PLANTERS, LINEAR PARKING LOT PLANTERS, AND IN SQUARE SIDEWALK PLANTERS ONLY. REFER TO PLANTING DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.
- REFER TO PLANTING DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.

PLANTING NOTES C5

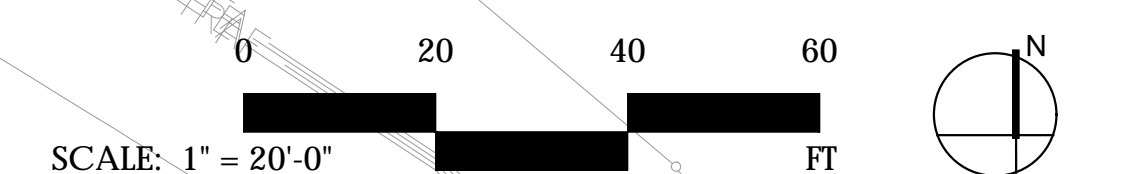
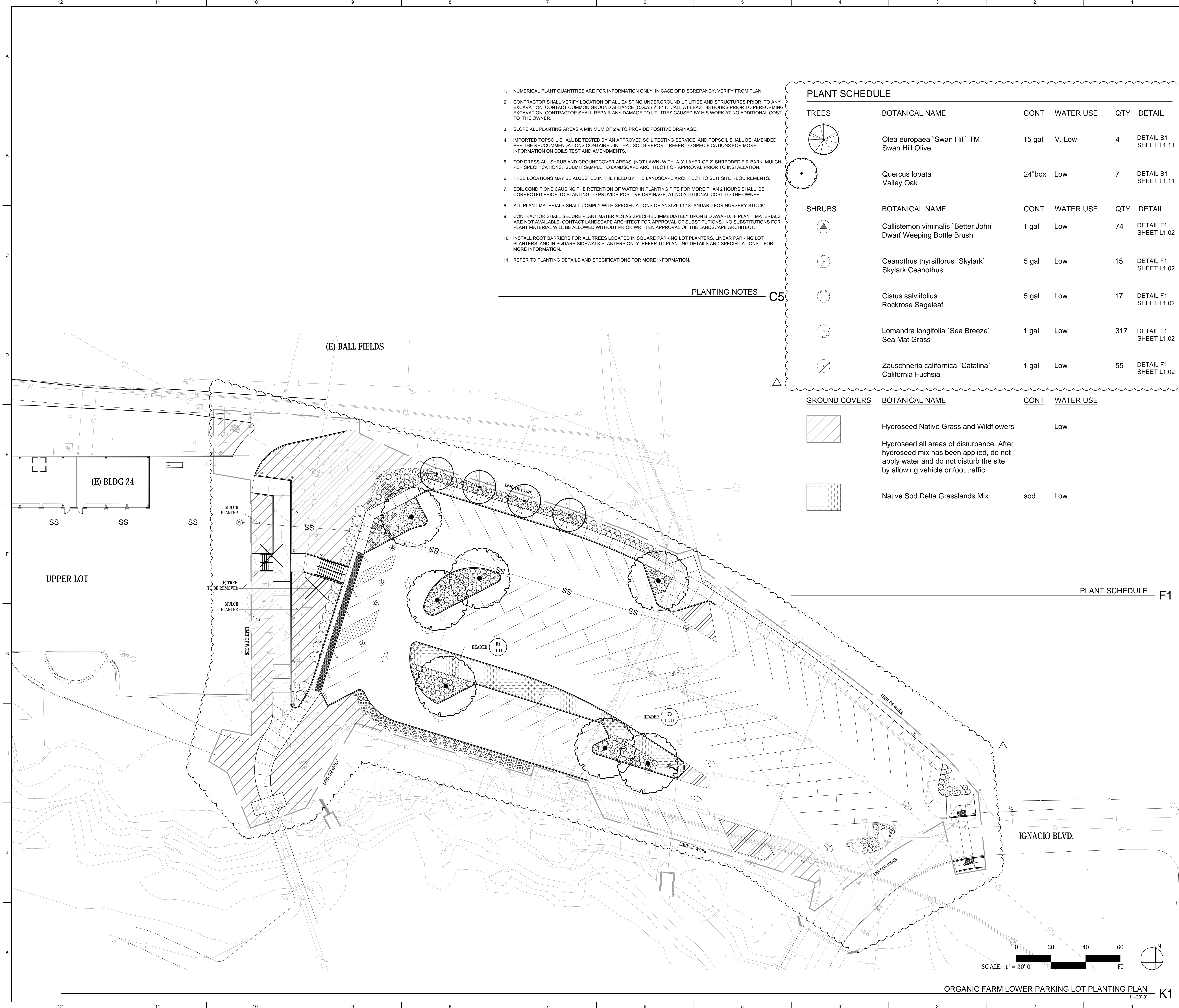
PLANT SCHEDULE

TREES	BOTANICAL NAME	CONT	WATER USE	QTY	DETAIL
	<i>Olea europaea</i> 'Swan Hill' TM Swan Hill Olive	15 gal	V. Low	4	DETAIL B1 SHEET L1.11
	<i>Quercus lobata</i> Valley Oak	24"box	Low	7	DETAIL B1 SHEET L1.11

SHRUBS	BOTANICAL NAME	CONT	WATER USE	QTY	DETAIL
	<i>Callistemon viminalis</i> 'Better John' Dwarf Weeping Bottle Brush	1 gal	Low	74	DETAIL F1 SHEET L1.02
	<i>Ceanothus thyrsiflorus</i> 'Skylark' Skylark Ceanothus	5 gal	Low	15	DETAIL F1 SHEET L1.02
	<i>Cistus salviifolius</i> Rockrose Sageleaf	5 gal	Low	17	DETAIL F1 SHEET L1.02
	<i>Lomandra longifolia</i> 'Sea Breeze' Sea Mat Grass	1 gal	Low	317	DETAIL F1 SHEET L1.02
	<i>Zauschneria californica</i> 'Catalina' California Fuchsia	1 gal	Low	55	DETAIL F1 SHEET L1.02

GROUND COVERS	BOTANICAL NAME	CONT	WATER USE
	Hydreseed Native Grass and Wildflowers	---	Low
	Hydreseed all areas of disturbance. After hydreseed mix has been applied, do not apply water and do not disturb the site by allowing vehicle or foot traffic.		
	Native Sod Delta Grasslands Mix	sod	Low

PLANT SCHEDULE F1



ORGANIC FARM LOWER PARKING LOT PLANTING PLAN K1

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BY THE STATE ARCHITECT
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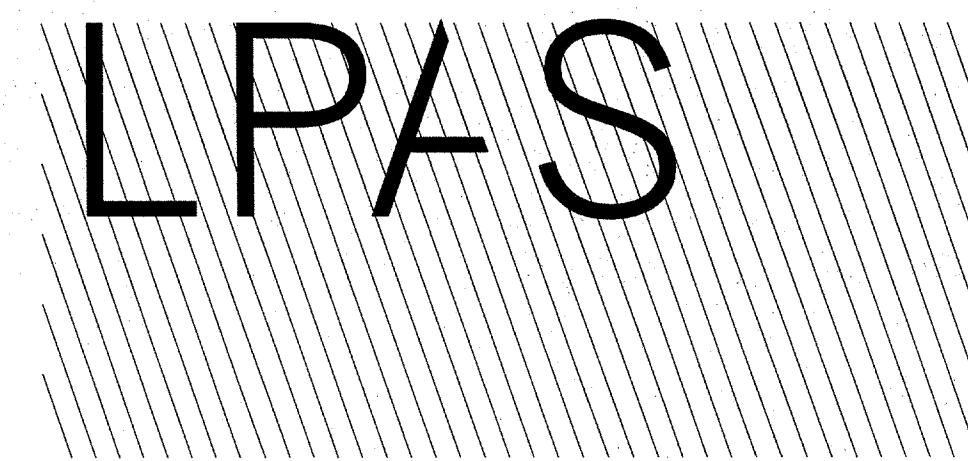
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LANDSCAPE PLAN

PROJECT NO: 1102-0005
DATE: 05.30.17

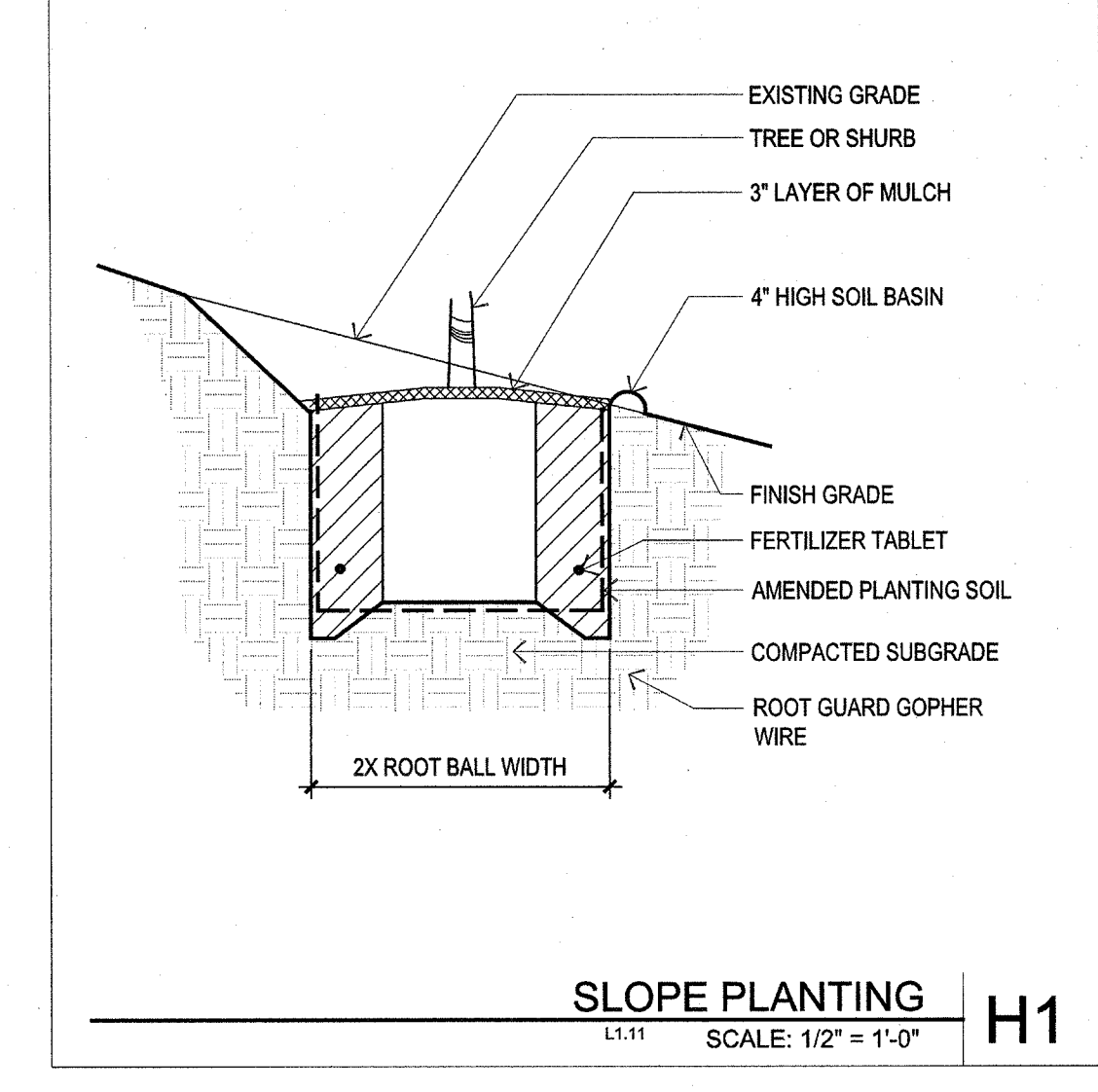
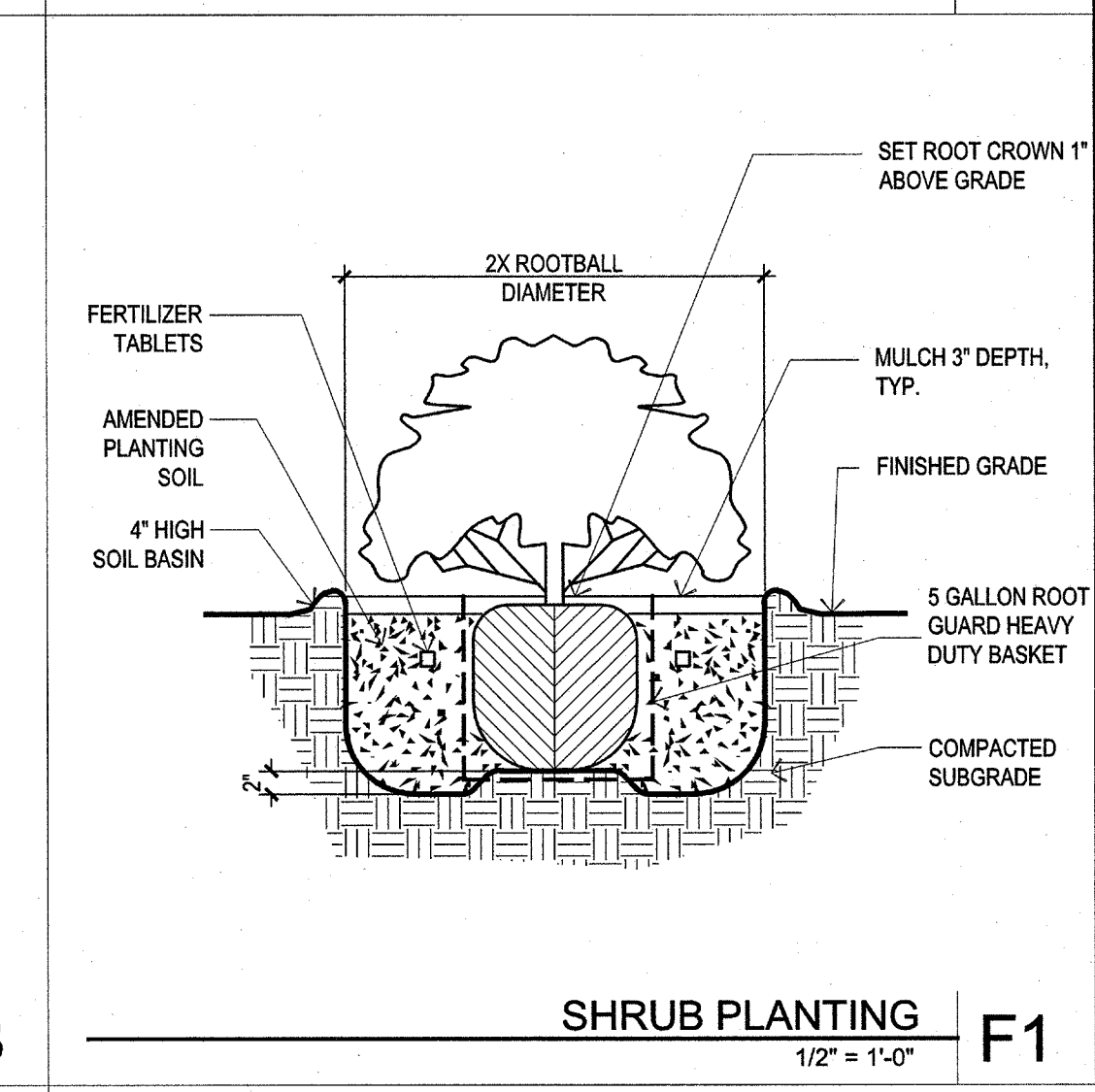
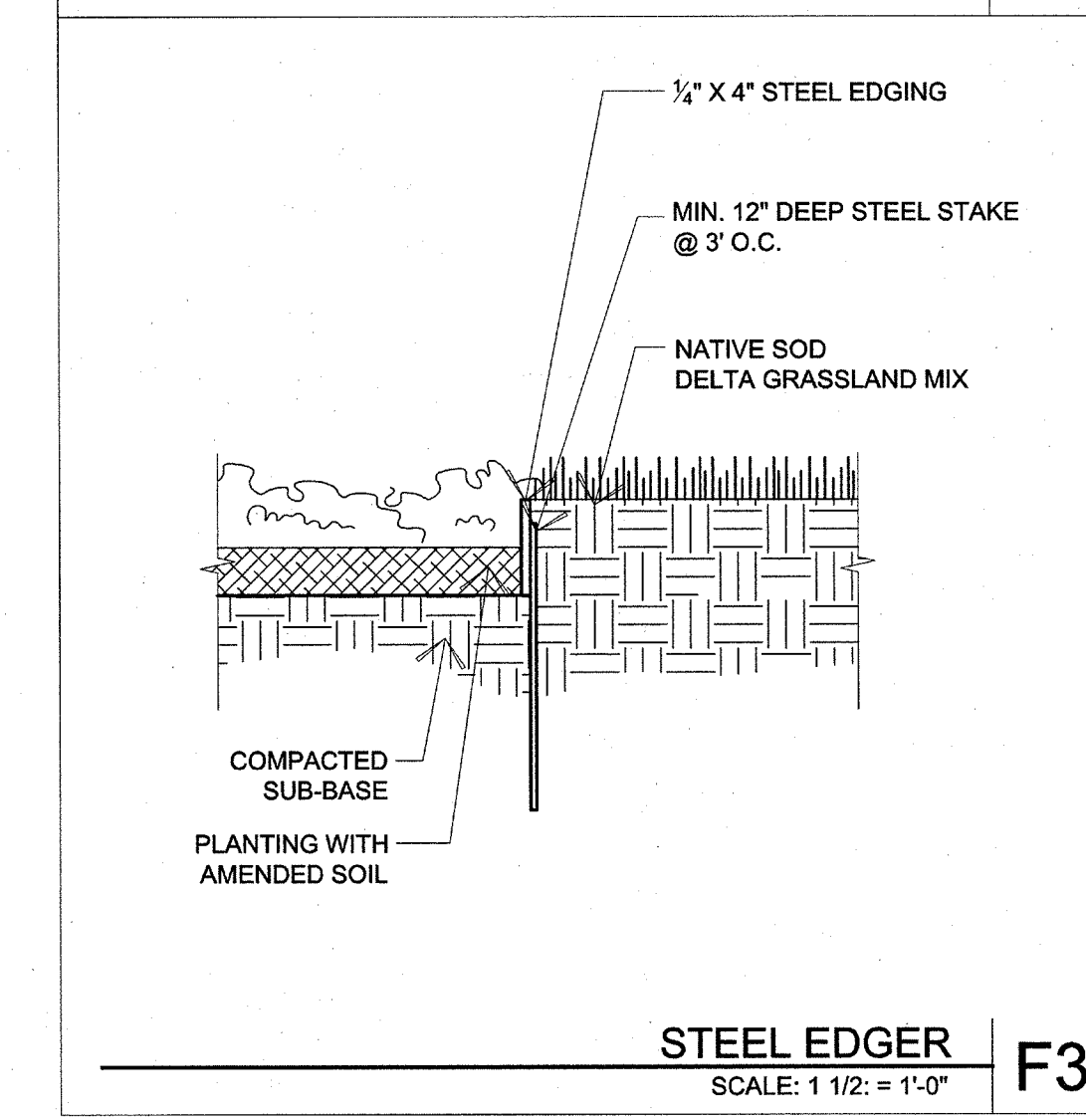
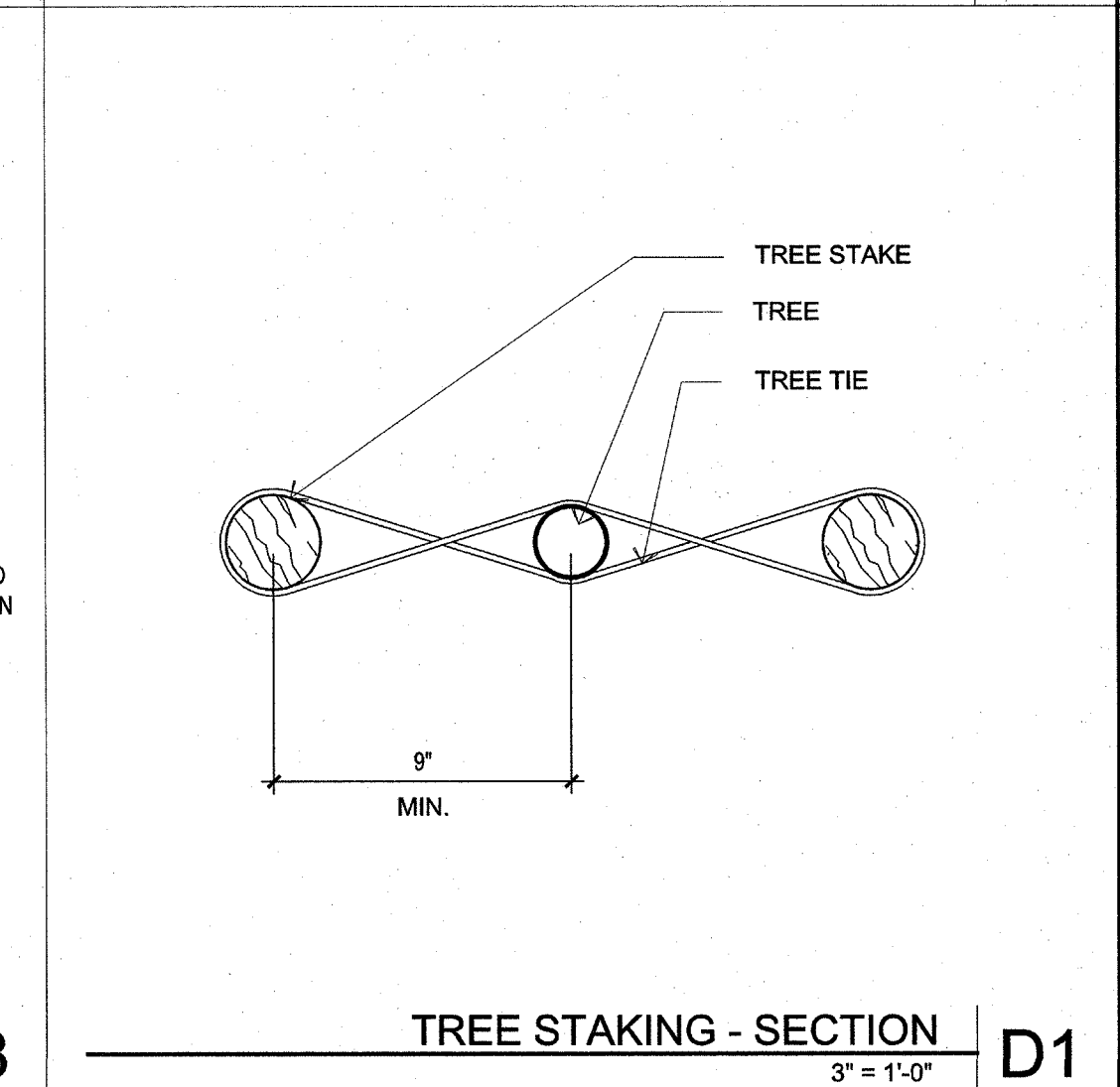
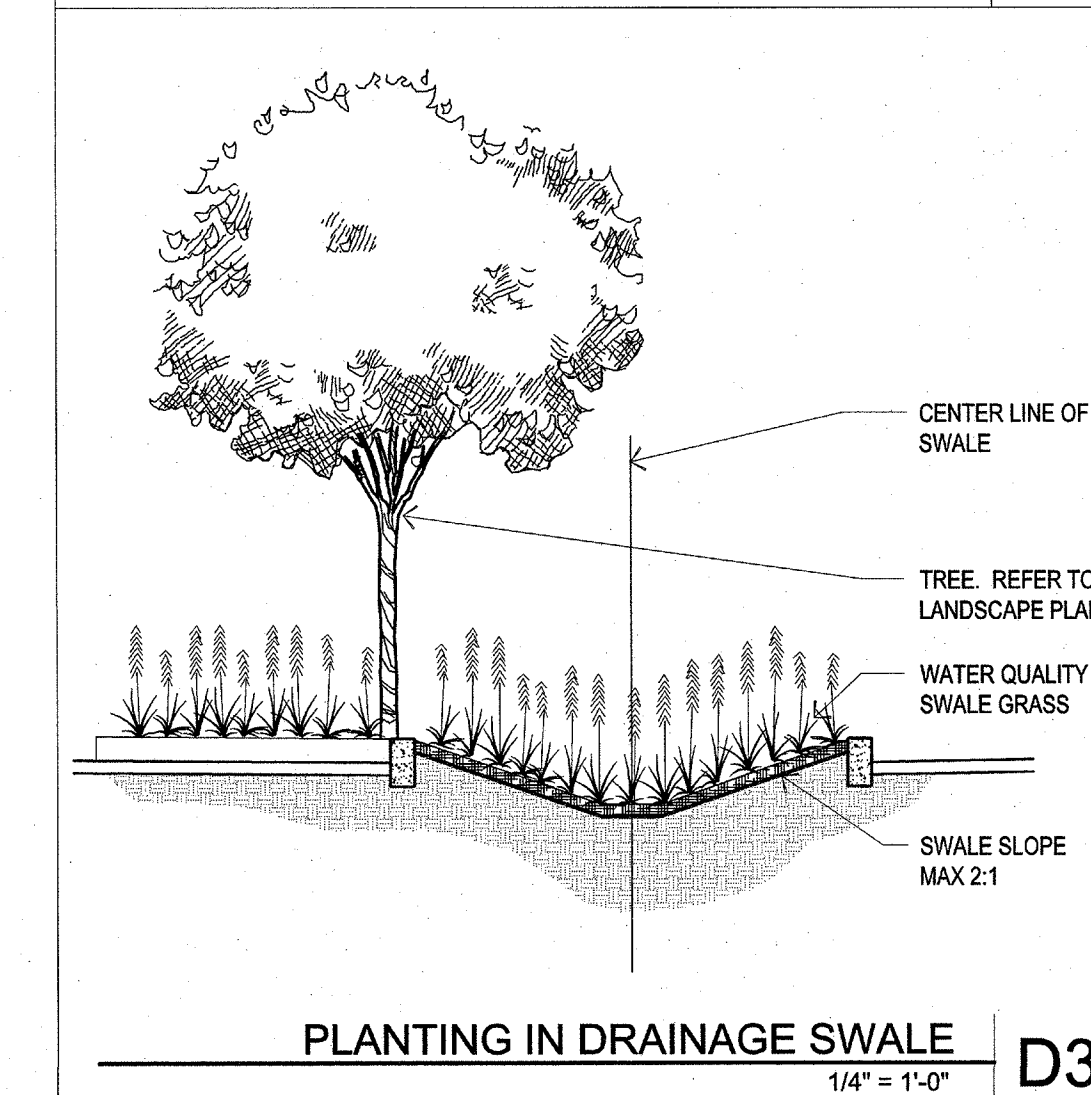
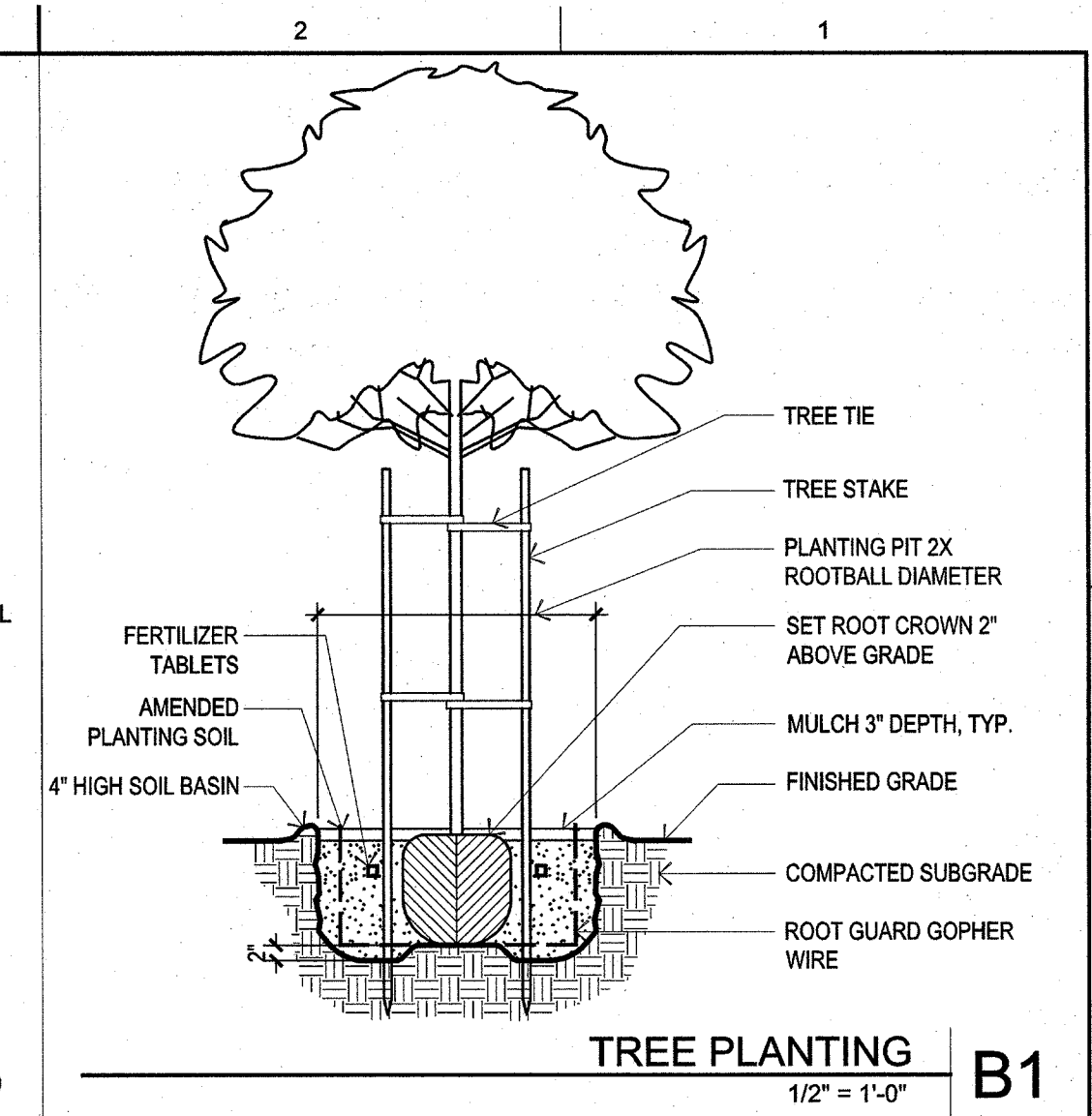
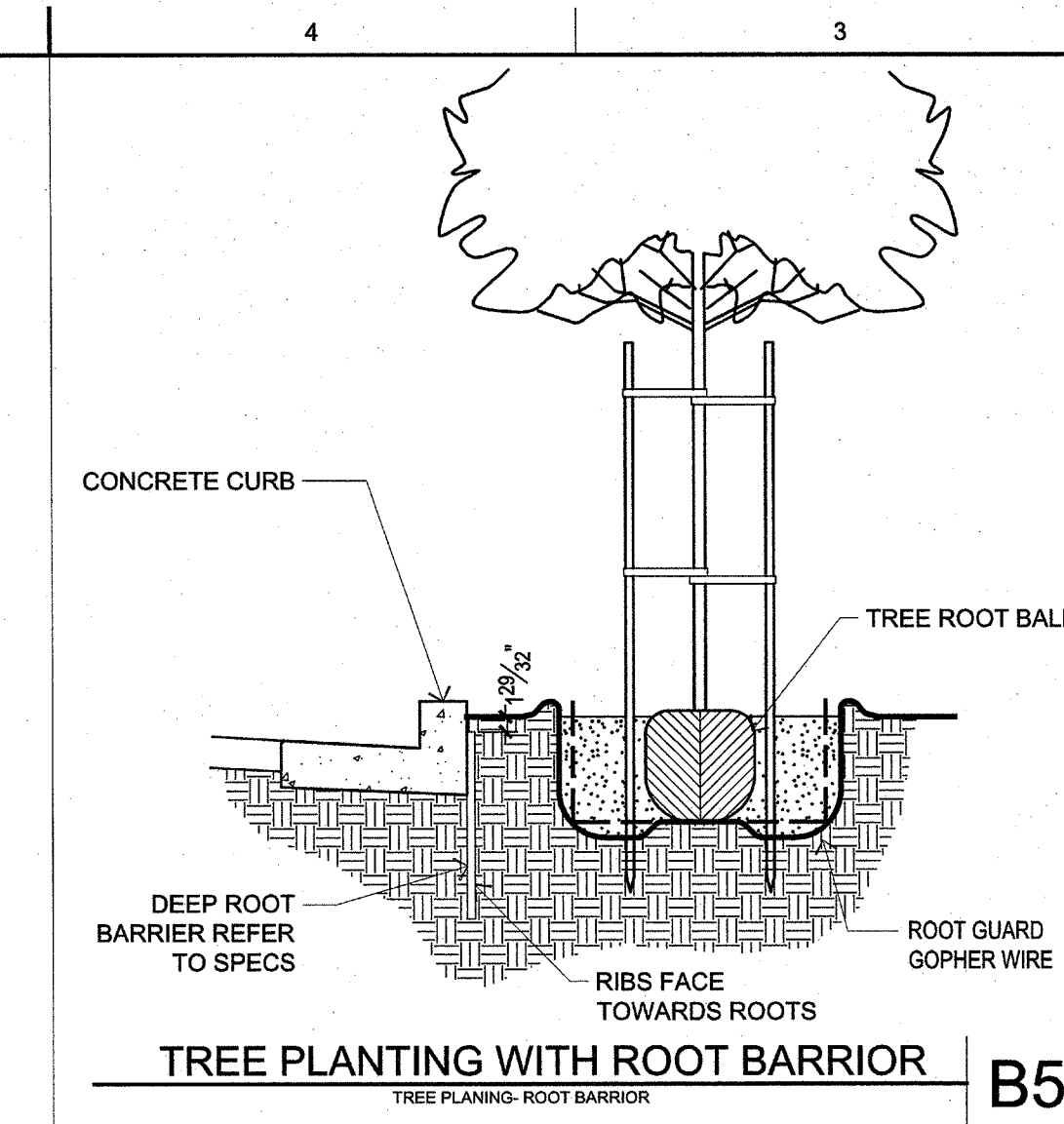
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COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM
PARKING LOT IMPROVEMENTS
MARIN, CA



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LANDSCAPE DETAILS

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

L1.11

COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM PARKING LOT IMPROVEMENTS

MARIN, CA

NO. ISSUE DATE
▲ BID ADDENDUM #2 08.02.17



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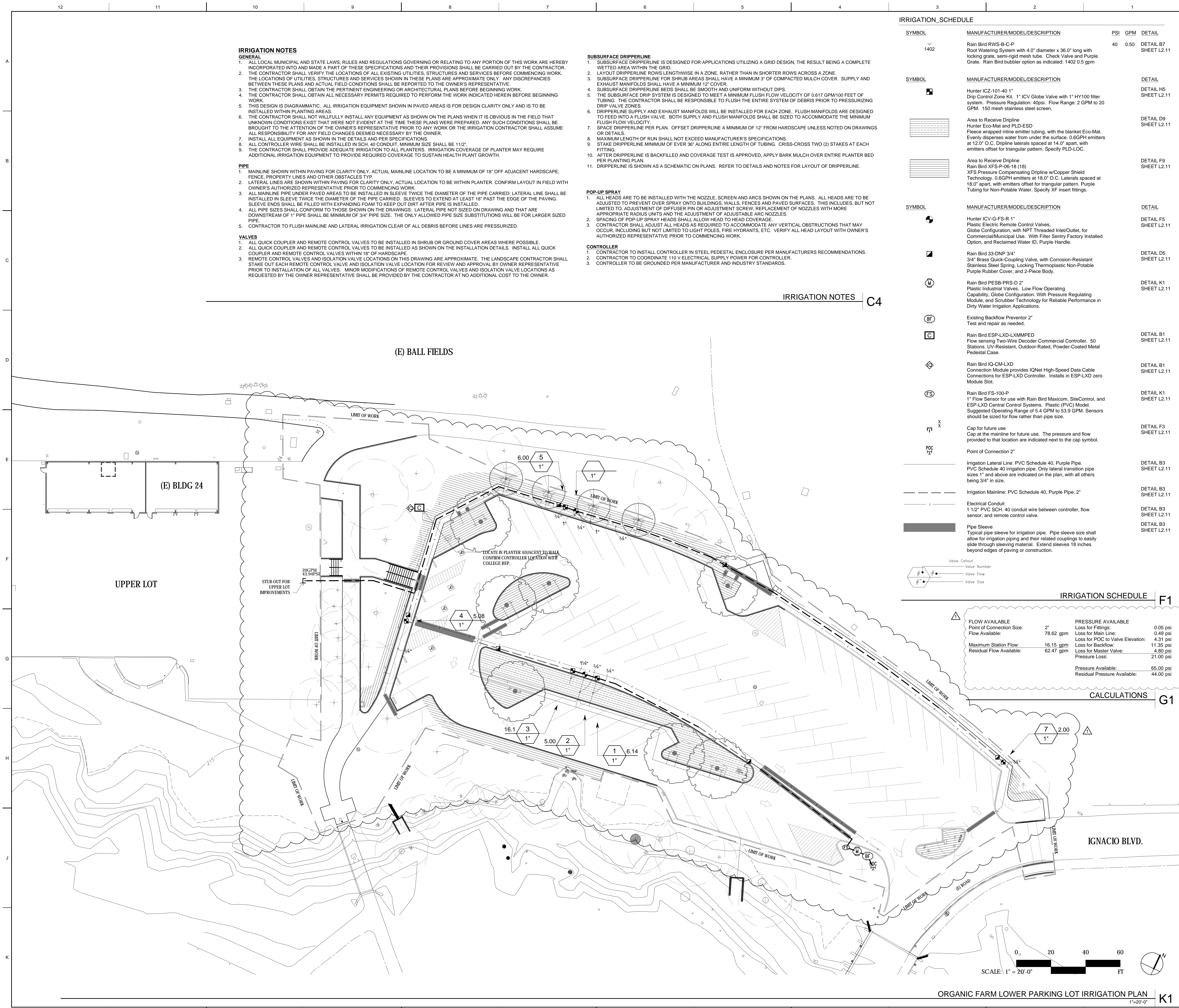
CONSULTANT

IRRIGATION PLAN

PROJECT NO: 1102-0005
DATE: 05.30.17

SHEET NO:

L2.00



IRRIGATION NOTES

GENERAL

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL IRRIGATION EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND PER SPECIFICATIONS.
- ALL CONTROLLER WIRE SHALL BE INSTALLED IN SCH. 40 CONDUIT, MINIMUM SIZE SHALL BE 1 1/2".
- THE CONTRACTOR SHALL PROVIDE ADEQUATE IRRIGATION TO ALL PLANTERS. IRRIGATION COVERAGE OF PLANTER MAY REQUIRE ADDITIONAL IRRIGATION EQUIPMENT TO PROVIDE REQUIRED COVERAGE TO SUSTAIN HEALTH PLANT GROWTH.

PIPE

- MAINLINE SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL MAINLINE LOCATION TO BE A MINIMUM OF 18" OFF ADJACENT HARDSCAPE, FENCE, PROPERTY LINES AND OTHER OBSTACLES TYP.
- LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL LOCATION TO BE WITHIN PLANTER. CONFIRM LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.
- ALL MAINLINE PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVE TWICE THE DIAMETER OF THE PIPE CARRIED; LATERAL LINE SHALL BE INSTALLED IN SLEEVE TWICE THE DIAMETER OF THE PIPE CARRIED. SLEEVES TO EXTEND AT LEAST 18" PAST THE EDGE OF THE PAVING. SLEEVE ENDS SHALL BE FILLED WITH EXPANDING FOAM TO KEEP OUT DIRT AFTER PIPE IS INSTALLED.
- ALL PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. LATERAL PIPE NOT SIZED ON DRAWING AND THAT ARE DOWNSTREAM OF 1" PIPE SHALL BE MINIMUM OF 3/4" PIPE SIZE. THE ONLY ALLOWED PIPE SIZE SUBSTITUTIONS WILL BE FOR LARGER SIZED PIPE.
- CONTRACTOR TO FLUSH MAINLINE AND LATERAL IRRIGATION CLEAR OF ALL DEBRIS BEFORE LINES ARE PRESSURIZED.

VALVES

- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE.
- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- REMOTE CONTROL VALVES AND ISOLATION VALVE LOCATIONS ON THIS DRAWING ARE APPROXIMATE. THE LANDSCAPE CONTRACTOR SHALL STAKE OUT EACH REMOTE CONTROL VALVE AND ISOLATION VALVE LOCATION FOR REVIEW AND APPROVAL BY OWNER REPRESENTATIVE PRIOR TO INSTALLATION OF ALL VALVES. MINOR MODIFICATIONS OF REMOTE CONTROL VALVES AND ISOLATION VALVE LOCATIONS AS REQUESTED BY THE OWNER REPRESENTATIVE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

SUBSURFACE DRIPPERLINE

- SUBSURFACE DRIPPERLINE IS DESIGNED FOR APPLICATIONS UTILIZING A GRID DESIGN, THE RESULT BEING A COMPLETE WETTED AREA WITHIN THE GRID.
- LAYOUT DRIPPERLINE ROWS LENGTHWISE IN A ZONE, RATHER THAN IN SHORTER ROWS ACROSS A ZONE.
- SUBSURFACE DRIPPERLINE FOR SHRUB AREAS SHALL HAVE A MINIMUM 3" OF COMPACTED MULCH COVER. SUPPLY AND EXHAUST MANIFOLDS SHALL HAVE A MINIMUM 12" COVER.
- SUBSURFACE DRIPPERLINE BEDS SHALL BE SMOOTH AND UNIFORM WITHOUT DIPS.
- THE SUBSURFACE DRIP SYSTEM IS DESIGNED TO MEET A MINIMUM FLUSH FLOW VELOCITY OF 0.617 GPM/100 FEET OF TUBING. THE CONTRACTOR SHALL BE RESPONSIBLE TO FLUSH THE ENTIRE SYSTEM OF DEBRIS PRIOR TO PRESSURIZING DRIP VALVE ZONES.
- DRIPPERLINE SUPPLY AND EXHAUST MANIFOLDS WILL BE INSTALLED FOR EACH ZONE. FLUSH MANIFOLDS ARE DESIGNED TO FEED INTO A FLUSH VALVE. BOTH SUPPLY AND FLUSH MANIFOLDS SHALL BE SIZED TO ACCOMMODATE THE MINIMUM FLUSH FLOW VELOCITY.
- SPACE DRIPPERLINE PER PLAN. OFFSET DRIPPERLINE A MINIMUM OF 12" FROM HARDSCAPE UNLESS NOTED ON DRAWINGS OR DETAILS.
- MAXIMUM LENGTH OF RUN SHALL NOT EXCEED MANUFACTURER'S SPECIFICATIONS.
- STAKE DRIPPERLINE MINIMUM OF EVER 36" ALONG ENTIRE LENGTH OF TUBING. CRISS-CROSS TWO (2) STAKES AT EACH FITTING.
- AFTER DRIPPERLINE IS BACKFILLED AND COVERAGE TEST IS APPROVED, APPLY BARK MULCH OVER ENTIRE PLANTER BED PER PLANTING PLAN.
- DRIPPERLINE IS SHOWN AS A SCHEMATIC ON PLANS. REFER TO DETAILS AND NOTES FOR LAYOUT OF DRIPPERLINE.

POP-UP SPRAY

- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVER SPRAY ONTO BUILDINGS, WALLS, FENCES AND PAVED SURFACES. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE ADJUSTMENT OF ADJUSTABLE ARC NOZZLES.
- SPACING OF POP-UP SPRAY HEADS SHALL ALLOW HEAD TO HEAD COVERAGE.
- CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK.

CONTROLLER

- CONTRACTOR TO INSTALL CONTROLLER IN STEEL PEDESTAL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO COORDINATE WITH ELECTRICAL SUPPLY POWER FOR CONTROLLER.
- CONTROLLER TO BE GROUNDED PER MANUFACTURER AND INDUSTRY STANDARDS.

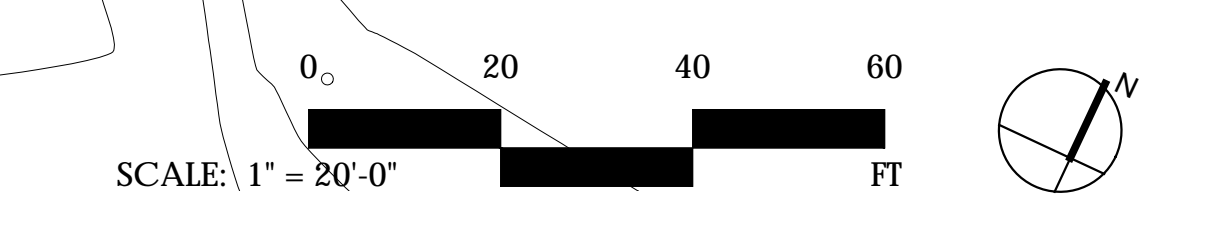
IRRIGATION NOTES C4

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	DETAIL
1402	Rain Bird RWS-B-C-P Root Watering System with 4.0" diameter x 36.0" long with locking grate, semi-rigid mesh tube. Check Valve and Purple Grate. Rain Bird bubbler option as indicated: 1402 0.5 gpm	40	0.50	DETAIL B7 SHEET L2.11
□	Hunter IC2-101-40 1" Drip Control Zone Kit. 1" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 40psi. Flow Range: 2 GPM to 20 GPM. 150 mesh stainless steel screen.			DETAIL H5 SHEET L2.11
▨	Area to Receive Dripline Hunter Eco-Mat and PLD-ESD Fleeces wrapped in mesh emitter tubing, with the blanket Eco-Mat. Evenly disperses water from under the surface. 0.6GPH emitters at 12.0" O.C. Dripline laterals spaced at 14.0" apart, with emitters offset for triangular pattern. Specify PLD-LOC.			DETAIL D9 SHEET L2.11
▨	Area to Receive Dripline Rain Bird XFS-P-06-18 (18) XFS Pressure Compensating Dripline w/Copper Shield Technology. 0.6GPH emitters at 18.0" O.C. Laterals spaced at 18.0" apart, with emitters offset for triangular pattern. Purple Tubing for Non-Potable Water. Specify XF insert fittings.			DETAIL F9 SHEET L2.11
⊕	Hunter ICV-G-FS-R 1" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Filter Screen Factory Installed Option, and Reclaimed Water ID, Purple Handle.			DETAIL F5 SHEET L2.11
⊕	Rain Bird 33-DNP 3/4" 3/4" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Non-Potable Purple Rubber Cover, and 2-Piece Body.			DETAIL D5 SHEET L2.11
⊕	Rain Bird PESB-PRS-D 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.			DETAIL K1 SHEET L2.11
⊕	Existing Backflow Preventor 2" Test and repair as needed.			
⊕	Rain Bird ESP-LXD-LXMPED Flow sensing Two-Wire Decoder Commercial Controller. 50 Stations. UV-Resistant, Outdoor-Rated, Powder-Coated Metal Pedestal Case.			DETAIL B1 SHEET L2.11
⊕	Rain Bird IQ-CM-LXD Connection Module provides IQNet High-Speed Data Cable Connections for ESP-LXD Controller. Installs in ESP-LXD zero Module Slot.			DETAIL B1 SHEET L2.11
⊕	Rain Bird FS-100-P 1" Flow Sensor for use with Rain Bird Maxicom, SiteControl, and ESP-LXD Central Control Systems. Plastic (PVC) Model. Suggested Operating Range of 5.4 GPM to 53.9 GPM. Sensors should be sized for flow rather than pipe size.			DETAIL K1 SHEET L2.11
⊕	Cap for future use Cap at the mainline for future use. The pressure and flow provided to that location are indicated next to the cap symbol.			DETAIL F3 SHEET L2.11
⊕	Point of Connection 2" Irrigation Lateral Line: PVC Schedule 40, Purple Pipe. PVC Schedule 40 irrigation pipe. Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.			DETAIL B3 SHEET L2.11
⊕	Irrigation Mainline: PVC Schedule 40, Purple Pipe. 2"			DETAIL B3 SHEET L2.11
⊕	Electrical Conduit 1 1/2" PVC SCH. 40 conduit wire between controller, flow sensor, and remote control valve.			DETAIL B3 SHEET L2.11
⊕	Pipe Sleeve Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.			DETAIL B3 SHEET L2.11

IRRIGATION SCHEDULE F1

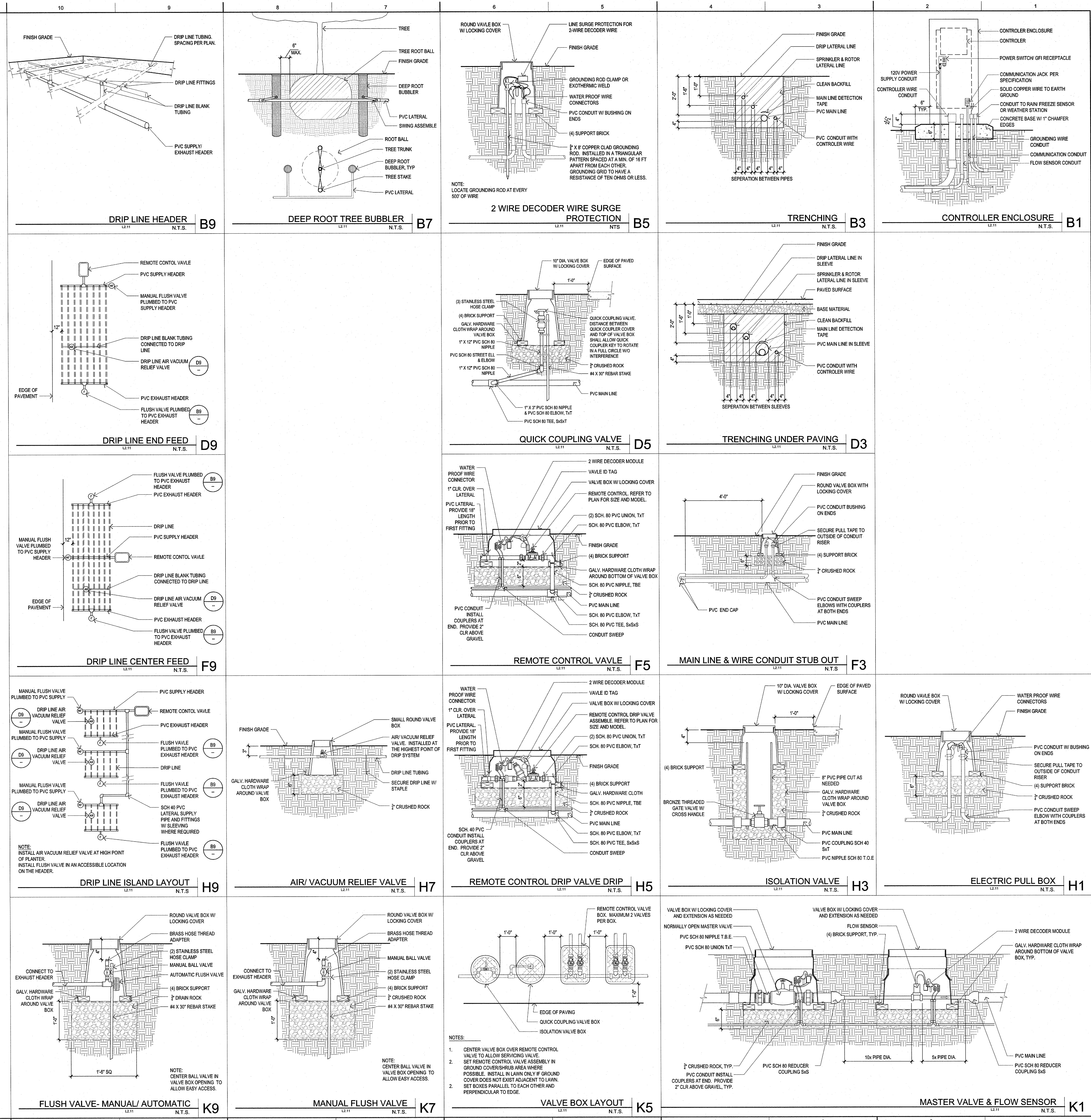
FLOW AVAILABLE	POINT OF CONNECTION SIZE	PRESSURE AVAILABLE	LOSS FOR FITTINGS	LOSS FOR MAIN LINE	LOSS FOR POC TO VALVE ELEVATION	LOSS FOR BACKFLOW	LOSS FOR MASTER VALVE	PRESSURE LOSS	PRESSURE AVAILABLE	RESIDUAL PRESSURE AVAILABLE
78.62 gpm	2"	0.05 psi	0.49 psi	4.31 psi	11.35 psi	4.80 psi	21.00 psi	65.00 psi	44.00 psi	
16.15 gpm										
62.47 gpm										

CALCULATIONS G1



COLLEGE OF MARIN INDIAN VALLEY CAMPUS

ORGANIC FARM
PARKING LOT IMPROVEMENTS
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