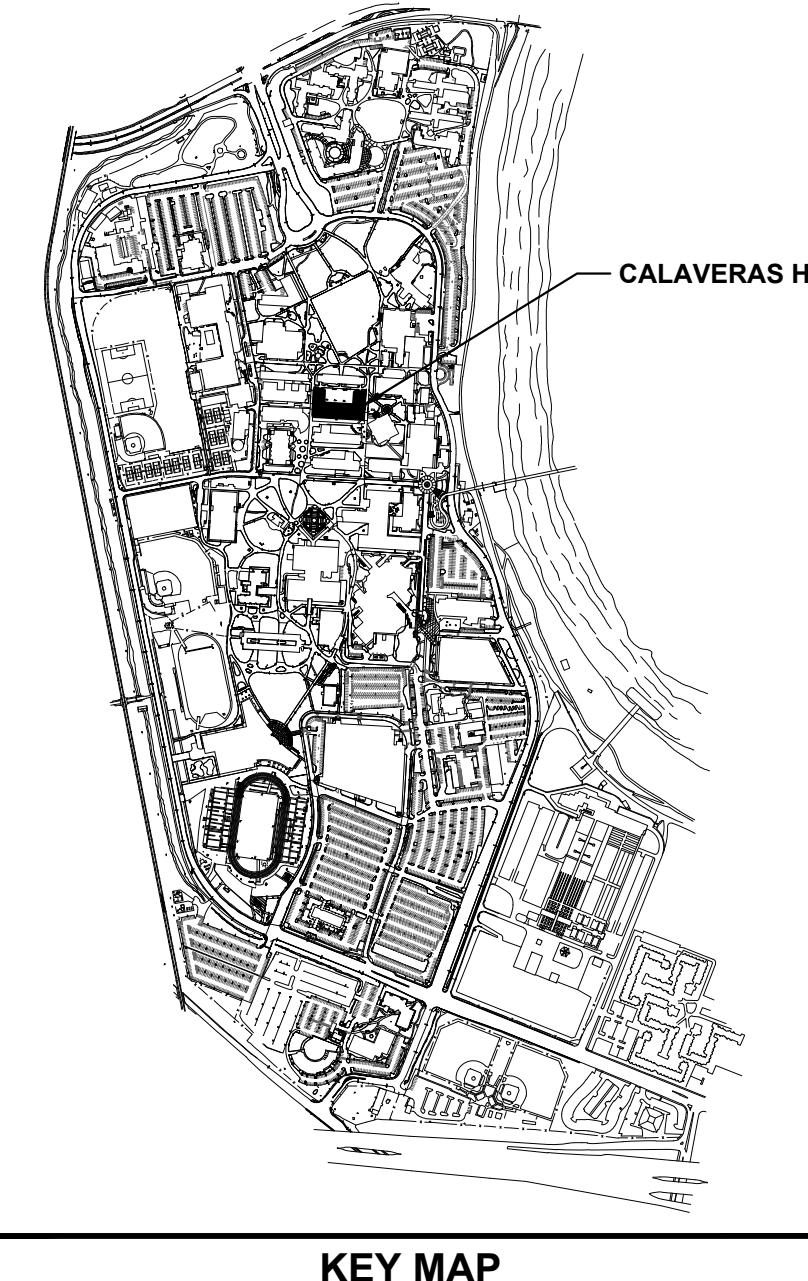


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KEY MAP
NTS

KEYNOTES:

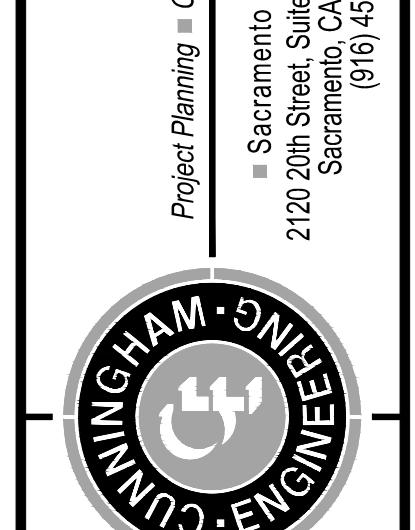
- ① APPROXIMATE LOCATION OF PROPOSED IRRIGATION TRENCH. CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING P.C.C. PAVEMENT TO NEAREST SCORE JOINT. REPLACE P.C.C. PAVEMENT TO MATCH EXISTING OR WITH 4" P.C.C. OVER 4" A.B., WHICHEVER IS LARGER. DOWEL NEW PAVEMENT TO EXISTING PAVEMENT BY PLACING NO. 4 BAR SNUGLY FIT OR EPOXIED 4" TO 6" INTO PAVEMENT EACH WAY, SPACED 24" ON CENTER. SEE LANDSCAPE PLANS FOR ACTUAL TRENCH LOCATION.

CONSTRUCTION DOCUMENTS
CSUS LID STORMWATER SYSTEM
CALAVERAS HALL SITE PLAN

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

CALIFORNIA

NO.	DATE	REVISIONS	BY	APFD.	DESIGNED BY	NC
					DRAWN BY	NC
					CHECKED BY	DF
					SCALE	
					1" = 20'	



CH-C1
OF
7

DATE: 4/24/2015

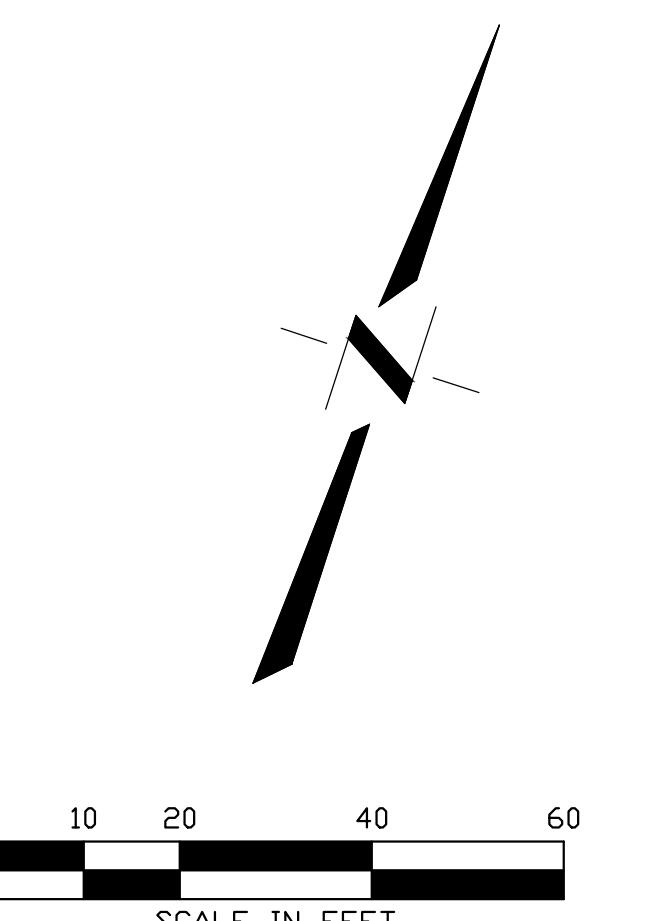
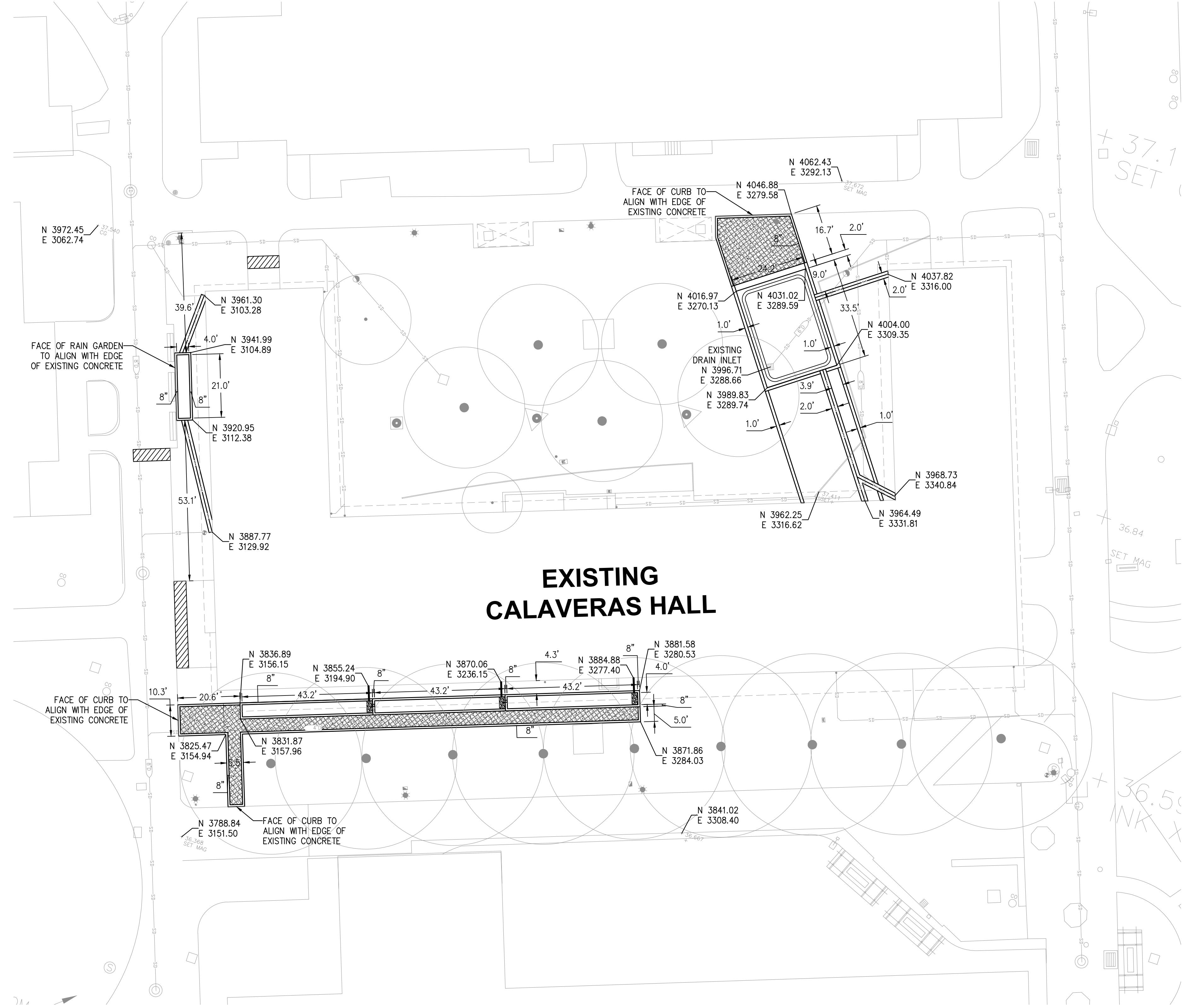
JOB NO: 1432.01



REGISTERED PROFESSIONAL ENGINEER
DANIEL A. FENSTERCOCK
No. CS1484

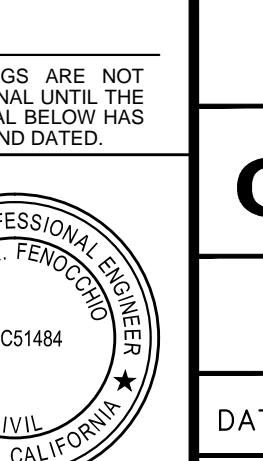
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**CONSTRUCTION DOCUMENTS
CSUS LID STORMWATER SYSTEM
CALAVERAS HALL
HORIZONTAL CONTROL PLAN
CALIFORNIA STATE UNIVERSITY, SACRAMENTO**

SHEET
CH-C2
OF
7
DATE: 4/24/2015
JOB NO: 1432.01



DATE SIGNED:
THESE DRAWINGS ARE NOT
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ENGINEER'S SEAL BELOW HAS
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4/23/2015

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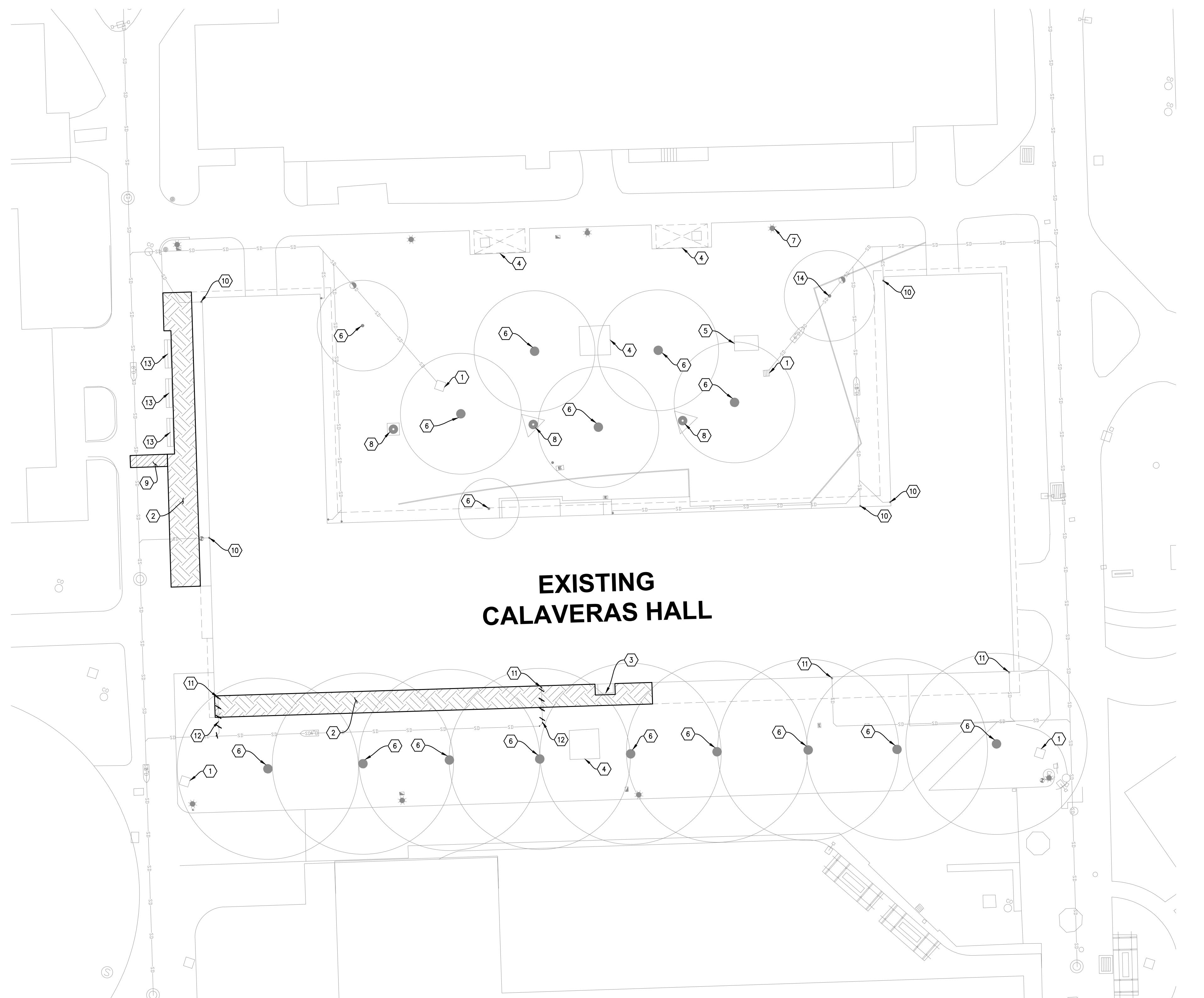
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KEYNOTES:

- (1) EXISTING DRAIN INLET TO REMAIN. CONTRACTOR SHALL PROTECT DURING CONSTRUCTION.
- (2) REMOVE EXISTING VEGETATION TO MINIMUM LIMITS SHOWN.
- (3) PROTECT AND COVER EXISTING BASEMENT ACCESS.
- (4) PROTECT EXISTING CONCRETE PAD AND PICNIC/SEATING AREA.
- (5) REMOVE EXISTING CONCRETE PAD AND PICNIC TABLE/SEATING AREA.
- (6) PROTECT EXISTING TREE TO REMAIN. SEE SHEET T-3 FOR TREE PROTECTION NOTES.
- (7) PROTECT EXISTING LIGHT POLE TO REMAIN.
- (8) PROTECT EXISTING SATELLITE DISH TO REMAIN.
- (9) SAWCUT AND REMOVE EXISTING AC PAVEMENT TO MINIMUM LIMITS SHOWN.
- (10) DISCONNECT DOWNSPOUT PIPE FROM UNDERGROUND STORM DRAIN. CAP STORM DRAIN PIPE AT GRADE.
- (11) PLUG DOWNSPOUT CONNECTION AT GUTTER AND REMOVE EXISTING DOWNSPOUT PIPE.
- (12) REMOVE EXISTING 3" STORM DRAIN PIPE.
- (13) EXISTING BENCH TO REMAIN.
- (14) REMOVE EXISTING TREE.

NOTES:

- SEE SHEET CH-C1 FOR IRRIGATION TRENCH IMPROVEMENTS.
- INTENT OF DEMOLITION PLAN IS TO PROVIDE GENERAL SITE DEMOLITION REQUIREMENTS TO CONTRACTOR. PLAN IS NOT INTENDED TO PROVIDE DETAILED INFORMATION ON SITE REMOVAL, PROTECTION AND PHASING. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING SITE VISITS TO DEVELOP A DETAILED DEMOLITION PLAN IN ACCORDANCE WITH THE PROPOSED SITE IMPROVEMENTS.
- SITE DEMOLITION INCLUDES:
 - REMOVE EXISTING ASPHALT AND CONCRETE PAVEMENT.
 - REMOVE EXISTING STORM DRAIN PIPE AND DOWNSPOUT.
 - REMOVE EXISTING VEGETATION.
 - REMOVE EXISTING TREE INCLUDING ROOTS.
- CONTRACTOR SHALL DISPOSE OF ALL MATERIALS PROPERLY OFFSITE.
- LIMITS OF REMOVAL SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL MODIFY LIMITS OF DEMOLITION AS NECESSARY TO PROVIDE FOR NEW CONSTRUCTION, BASED ON CONTRACTOR'S METHOD OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FLAGGING FOR VEHICULAR INGRESS/EGRESS.
- PROJECT VEHICULAR AND PEDESTRIAN ACCESS PLAN SHALL BE PREPARED BY CONTRACTOR.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZE, LOCATION AND DEPTH OF SUCH UNDERGROUND FACILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND FACILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS WHICH ARE NOT SHOWN ON THESE PLANS. IF NO ELEVATION IS SHOWN ON THE PLANS THE CONTRACTOR SHALL ASSUME THE ELEVATION IS UNKNOWN.
- SEE SHEET T-3 FOR TREE PROTECTION NOTES.

0 10 20 40 60
SCALE IN FEET

CONSTRUCTION DOCUMENTS CSUS LID STORMWATER SYSTEM

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

CH-C3

OF
7

DATE: 4/24/2015

JOB NO: 1432.01

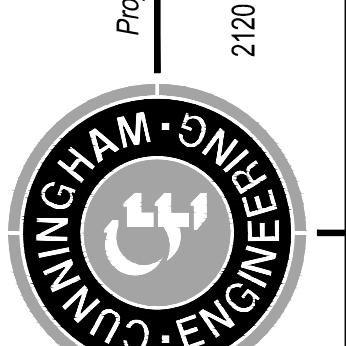


REGISTERED PROFESSIONAL ENGINEERS
DIVISION OF LAND SURVEYORS
AND GEOLOGISTS
CIVIL
STATE OF CALIFORNIA

No. C51484
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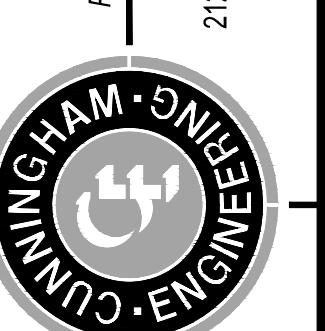
NO.	DATE	REVISIONS	BY	APPD.	DESIGNED BY	NC
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					SCALE	
					1" = 20'	

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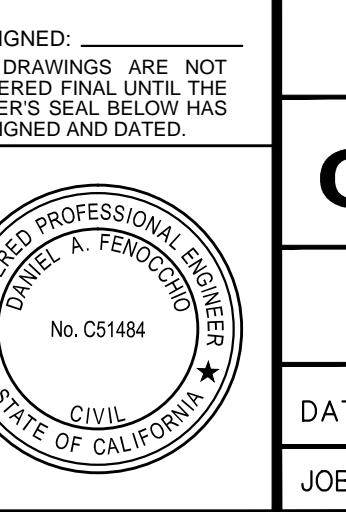
CONSTRUCTION DOCUMENTS CSUS LID STORMWATER SYSTEM

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
California State Water System AutoCAD 1432-01-Civil C/S SHEET'S CH-C4-MP/R0499 - CALA 4/23/2015 - 11:29AM Plotted by: Len

SHEET
CH-C4
OF
7

DATE: 4/24/2015

JOB NO: 1432.01



KEYNOTES:

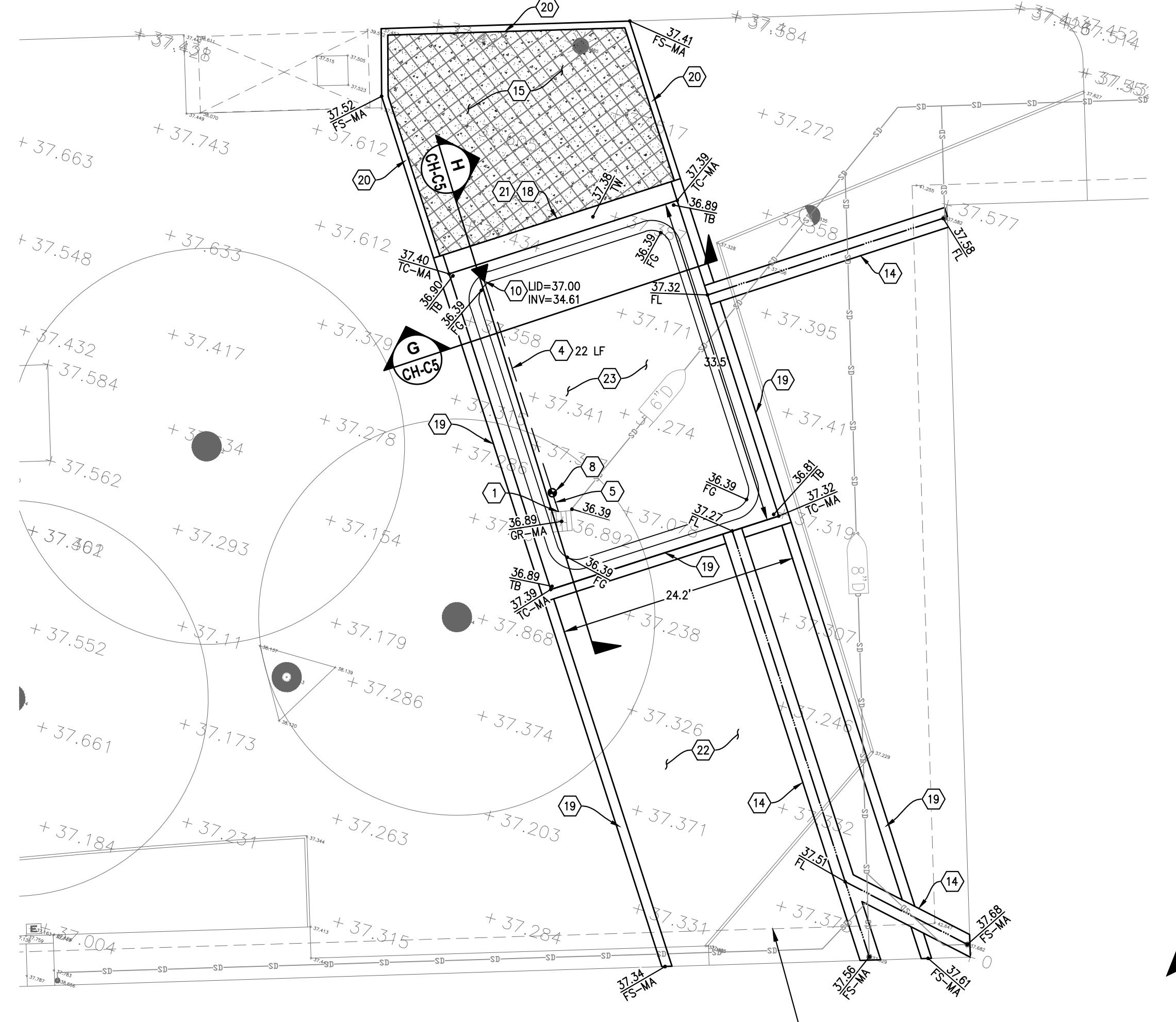
- ① CONNECT TO EXISTING STORM DRAIN MANHOLE. PROPOSED 4" PIPE TO MATCH CROWN OF EXISTING 6" PIPE, WITH 4" INVERT AT ELEVATION=34.49. CONTRACTOR TO VERIFY ELEVATIONS, SUBJECT TO FIELD CONFIRMATION.
- ② CONNECT TO EXISTING STORM DRAIN PIPE. CONTRACTOR TO VERIFY ALIGNMENT AND ELEVATION OF EXISTING PIPE, SUBJECT TO FIELD CONFIRMATION. CONTACT DESIGN ENGINEER IF PLANS VARY FROM FIELD CONDITIONS.
- ③ INSTALL HDPE STORM DRAIN PIPE. SIZE OF LATERAL TO MATCH EXISTING DOWNSTREAM STORM DRAIN PIPE DIMENSION AS VERIFIED IN FIELD BY CONTRACTOR. STRAIGHT GRADE FROM PROPOSED INVERT AT DRAIN INLET TO EXISTING PIPE.
- ④ INSTALL 4" PERFORATED HDPE STORM DRAIN PIPE SURROUNDED IN 6" (MINIMUM) GRAVEL @ S=0.005. LENGTH PER PLAN.
- ⑤ INSTALL 4" HDPE STORM DRAIN PIPE. LENGTH=2 LF AND SLOPE @ 0.005.
- ⑥ INSTALL 6" HDPE STORM DRAIN PIPE. LENGTH AND SLOPE PER PLAN.
- ⑦ 18"x18" DRAIN INLET PER DETAIL 2 ON SHEET CH-C7.
- ⑧ INSTALL DRAIN VALVE PER DETAIL 5 ON SHEET CH-C7.
- ⑨ 4" CLEANOUT AND PIPE CONNECTION PER DETAIL 1 ON SHEET CH-C6.
- ⑩ 4" CLEANOUT PER DETAIL 1 ON SHEET CH-C7. LID AND INVERT ELEVATIONS PER PLAN.
- ⑪ 6" CLEANOUT PER DETAIL 1 ON SHEET CH-C7. LID AND INVERT ELEVATIONS PER PLAN.
- ⑫ 4" DOWNSPOUT.
- ⑬ 4" SEMICIRCULAR TROUGH DOWNSPOUT EXTENSION.
- ⑭ VALLEY GUTTER PER DETAIL 4 ON SHEET CH-C7.
- ⑮ INSTALL PERVERSIVE CONCRETE WALKWAY. PLACE 4" PERVERSIVE CONCRETE OVER 4" OPEN GRADED AGGREGATE BASE, OVER GEOTEXTILE FABRIC, OVER 12" MINIMUM COMPACTED SUBGRADE PER PROJECT SPECIFICATIONS. MAINTAIN 1.75% MAXIMUM CROSS SLOPE AND 4.5% MAXIMUM LONGITUDINAL SLOPE.
- ⑯ REPLACE AC PAVEMENT OVER STORM DRAIN PIPE TRENCH. SEE CITY OF SACRAMENTO DETAIL T-80 ON SHEET CH-C7.
- ⑰ REINFORCED PLANTER BOX PER DETAIL 6 ON SHEET CH-C7.
- ⑱ CONCRETE WALL. SEE LANDSCAPE PLANS FOR DETAILS.
- ⑲ 12" MOW STRIP. SEE LANDSCAPE PLANS FOR DETAILS.
- ⑳ FLUSH CURB PER DETAIL 3 ON SHEET CH-C7.
- ㉑ CONCRETE WALL FINISH PER LANDSCAPE PLANS.
- ㉒ NATIVE PLANTS. SEE LANDSCAPE PLANS FOR DETAILS.
- ㉓ RAIN GARDEN.
- ㉔ EXISTING BASEMENT VENT. CONTRACTOR TO VERIFY LOCATION. CONTACT DESIGN ENGINEER IF PLANS VARY FROM FIELD CONDITIONS.
- ㉕ 4" COBBLE. SEE SECTION A ON SHEET CH-C5 FOR DETAILS.

NOTES:

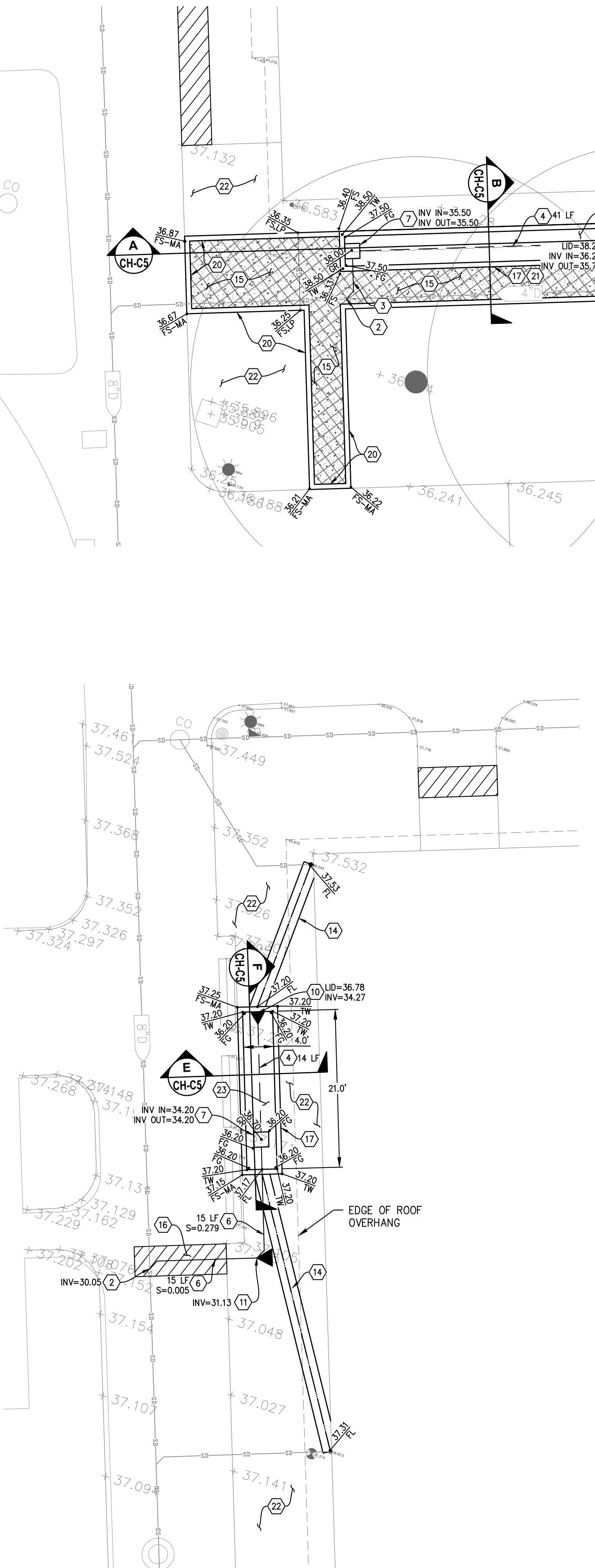
1. SEE CH-C1 FOR IRRIGATION TRENCH IMPROVEMENTS.

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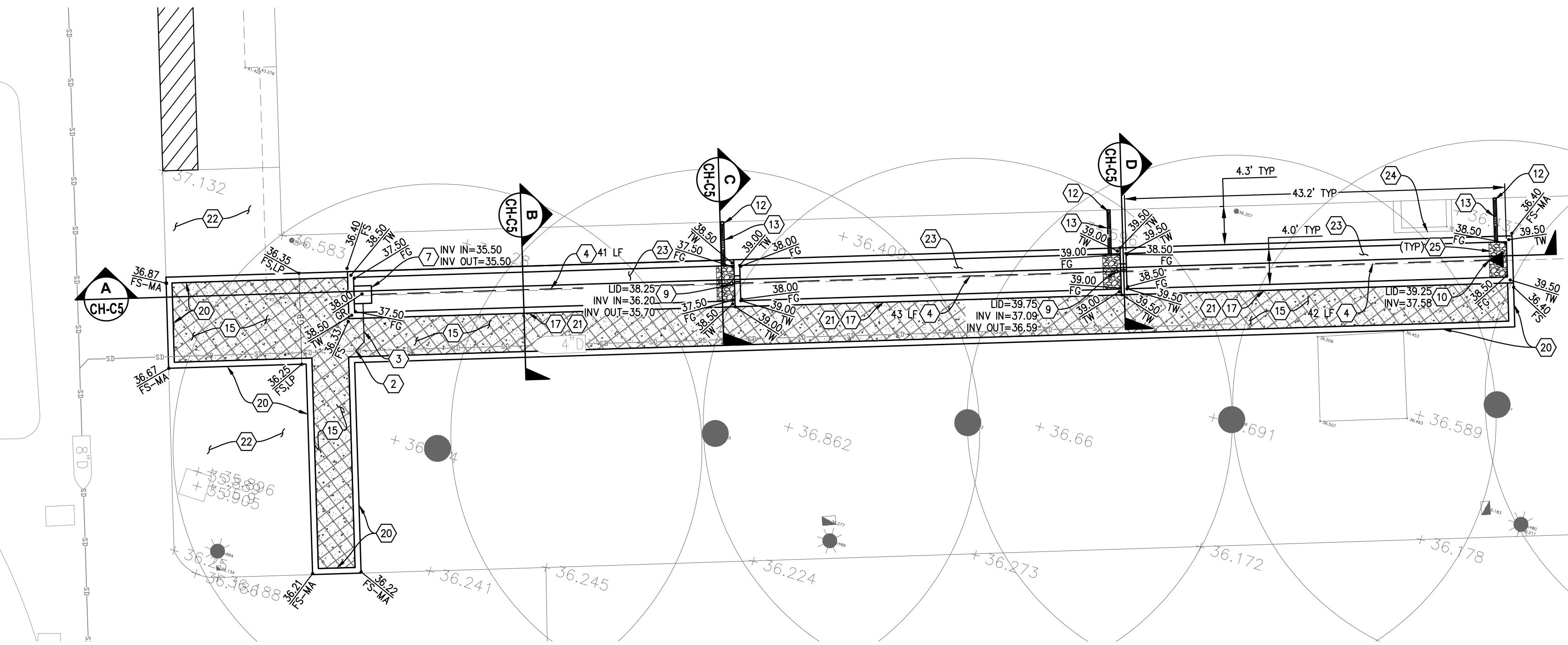
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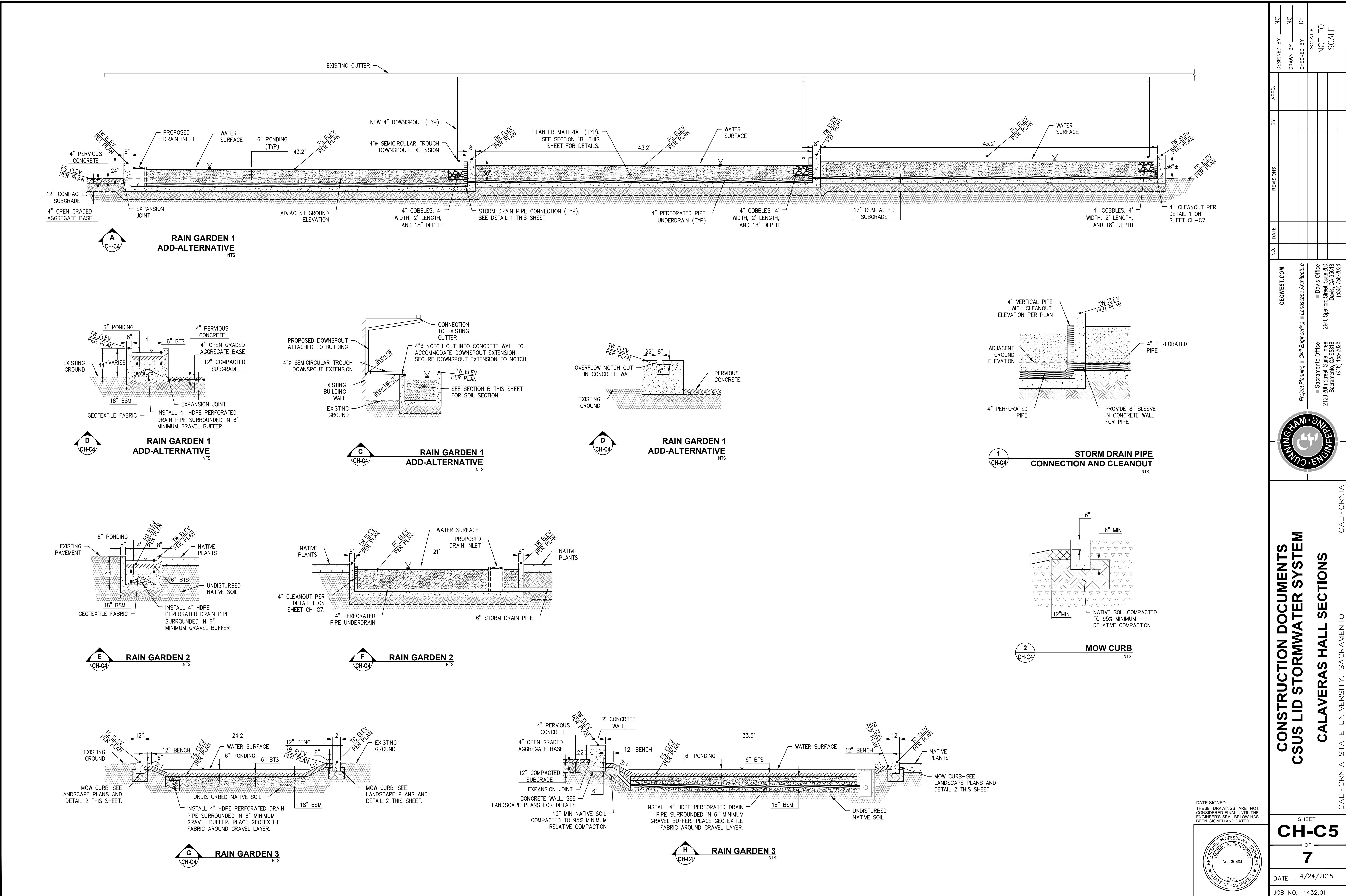


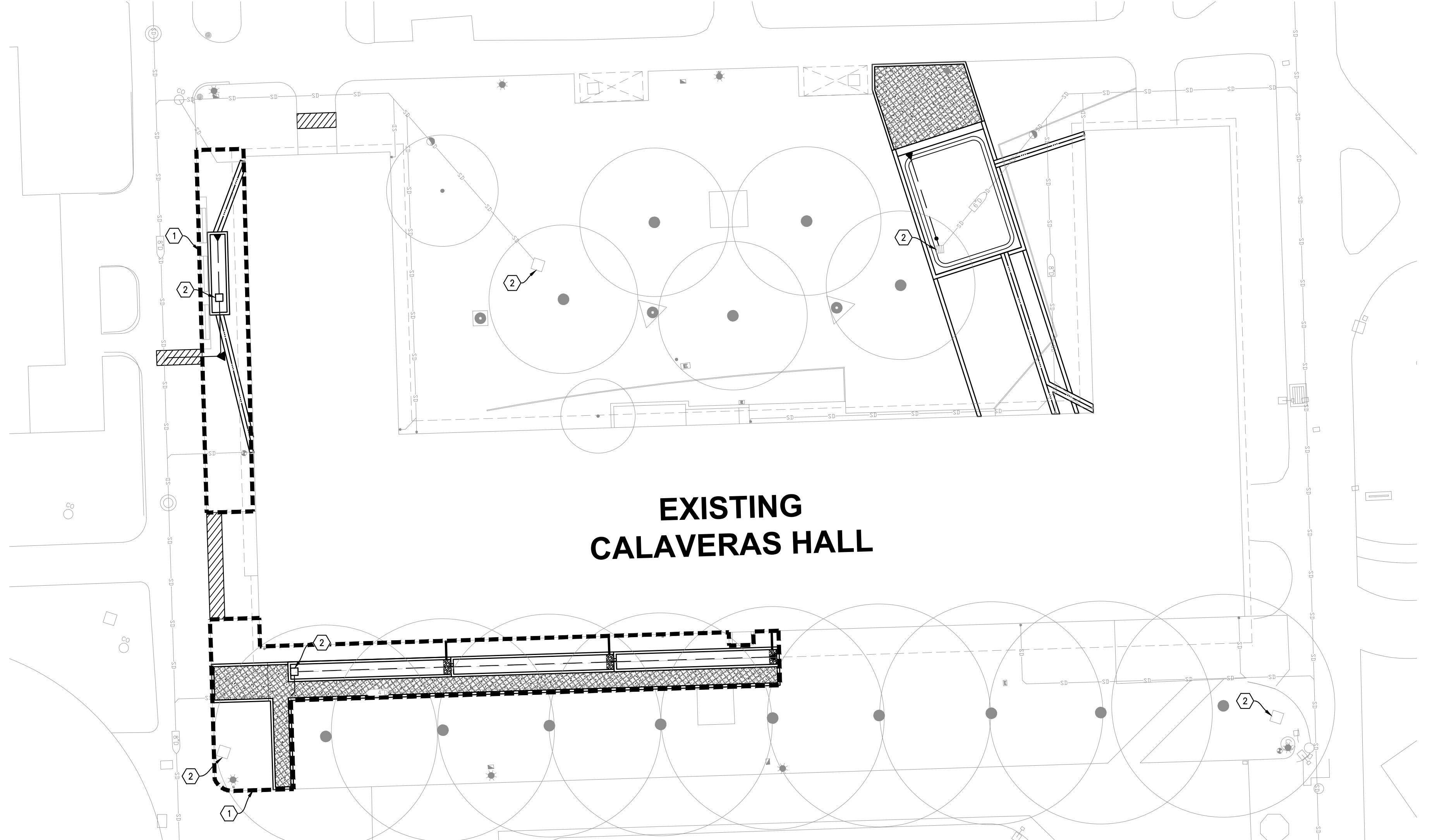
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**ADD-ALTERNATIVE
CH-RG-1**
1"=10"







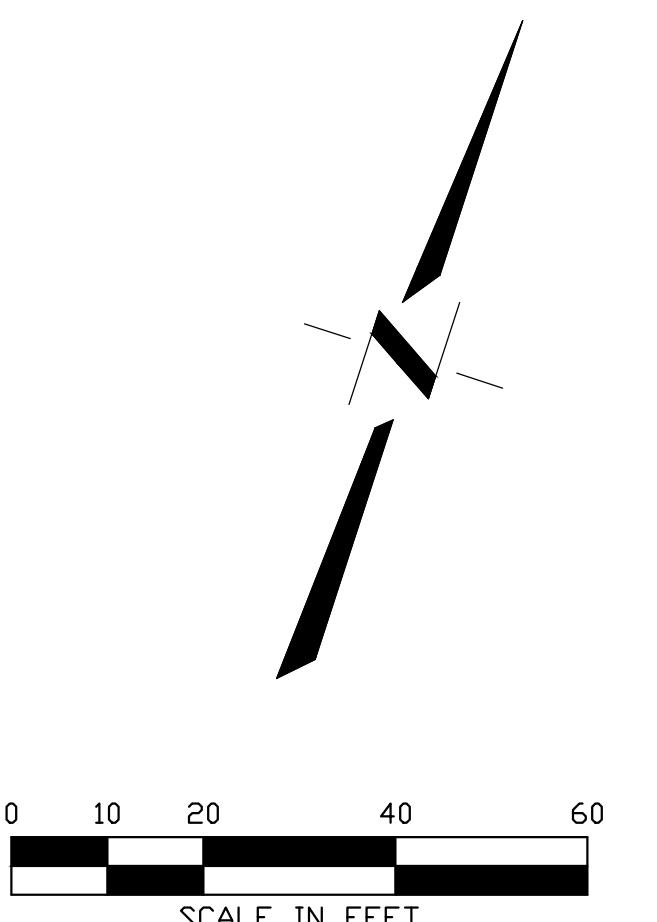
EXISTING CALAVERAS HALL

KEYNOTES

- ① INSTALL FIBER ROLL PER CITY OF SACRAMENTO STANDARD DWG. NO. Q-40.
- ② INSTALL STORM DRAIN INLET SEDIMENT CONTROL AND FILTER BAG PER CITY OF SACRAMENTO STANDARD DWG. NOS. Q-20 & Q-30.

NOTES

1. REFER TO SHEET T-3 FOR EROSION CONTROL NOTES.
2. CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AREA PER CITY OF SACRAMENTO STANDARD DWG. NO. Q-80. CONTRACTOR SHALL COORDINATE LOCATION WITH CSUS REPRESENTATIVE PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE WITH CSUS REPRESENTATIVE FOR MATERIAL STORAGE LOCATION PRIOR TO CONSTRUCTION.



REV. DATE DESCRIPTION
APPR'D BY: *D. Ober* NO SCALE

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES	INLET SEDIMENT CONTROL	APPR'D BY: <i>D. Ober</i> NO SCALE
DATE: MAY 2007		DWG. NO: Q - 20

NOTES:

1. SEDIMENT TRAPPED UPSTREAM OF SEDIMENT CONTROL BMP SHALL BE REMOVED WEEKLY AND PRIOR TO A RAINFALL EVENT.
2. PLACE BMP'S TIGHTLY TOGETHER AT JOINTS TO PREVENT OR MINIMIZE SEEPAGE AT JOINTS.
3. INLET SEDIMENT CONTROL MUST BE INSPECTED WEEKLY AND AFTER EACH STORM, AND REPAIRED OR REPLACED AS NEEDED.
4. INLET SEDIMENT CONTROL IS REQUIRED FOR ALL D's IN ADDITION TO A STORM DRAIN INLET FILTER BAG.

REV. DATE DESCRIPTION
APPR'D BY: *D. Ober* NO SCALE

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES	STORM DRAIN INLET FILTER BAG	APPR'D BY: <i>D. Ober</i> NO SCALE
DATE: MAY 2007		DWG. NO: Q - 30

NOTES:

1. MAXIMUM DRAGGING AREA PER FILTER BAG SHALL BE NO MORE THAN 2 ACRES.
2. THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE, NYLON, POLYESTER, OR OTHER APPROVED MATERIAL. A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAR INCH IS REQUIRED. THE FILTER BAG SIZE SHALL NOT EXCEED 20 SIEVE AND WITH A MAXIMUM WEIGHT OF 40 GALLONS/MINUTE/SQ FT.
3. THE FILTER BAG MAY BE SUSPENDED FROM THE INLET GRATE (OR OTHER APPROVED METHOD). PROVIDED NO MACHINERY OR DAMAGE SHOULD BE CAUSED TO THE FILTER BAG OR FRAME, THE INLET GRATE SHALL NOT BE CONTACTED BY THE FILTER BAG, AND THE FILTER BAG SHALL NOT BE LOCATED ABOVE THE INLET FRAME (SEE DETAIL A).
4. THE FILTER BAG MAY EXTEND TO THE OUTLET PIPE IF THE INLET IS UNOBSTRUCTED PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
5. FLOWS SHALL NOT BE ALLOWED TO BYPASS THE FILTER BAG. ALL CATCH FLOWS AT ALL SIDES OF THE INLET, EXCEPT AS SHOWN IN FLOOD RELEASE.
6. INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. ACCUMULATIONS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED THE FILTER BAG. FILTER BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.
7. THIS DETAIL IS SCHEMATIC AND MUST BE ADJUSTED FOR DIFFERENT D TYPES.

REV. DATE DESCRIPTION
APPR'D BY: *D. Ober* NO SCALE

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES	FIBER ROLLS	APPR'D BY: <i>D. Ober</i> NO SCALE
DATE: MAY 2007		DWG. NO: Q - 40

NOTES:

1. INSTALL FIBER ROLLS IN A ROW ALONG A LEVEL CONTOUR.
2. AT ENDS OF A ROW TURN THE LAST TWO FEET UP SLOPE SLIGHTLY.
3. FIBER ROLLS SHALL BE BUTTED TIGHTLY AT THE JOINTS.
4. DO NOT OVERLAP JOINTS.
5. FIBER ROLLS SHALL BE INSPECTED WEEKLY AND AFTER STORMS, AND REPAIRED OR REPLACED AS NEEDED.

REV. DATE DESCRIPTION
APPR'D BY: *D. Ober* NO SCALE

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES	CONCRETE WASHOUT	APPR'D BY: <i>D. Ober</i> NO SCALE
DATE: MAY 2007		DWG. NO: Q - 80

NOTES:

1. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT.
2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND CURB AND 50 FT. MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES.

CONSTRUCTION DOCUMENTS CSUS LID STORMWATER SYSTEM CALAVERAS HALL EROSION CONTROL PLAN

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SHEET CH-C6 OF 7 DATE: 4/24/2015 JOB NO: 1432.01

