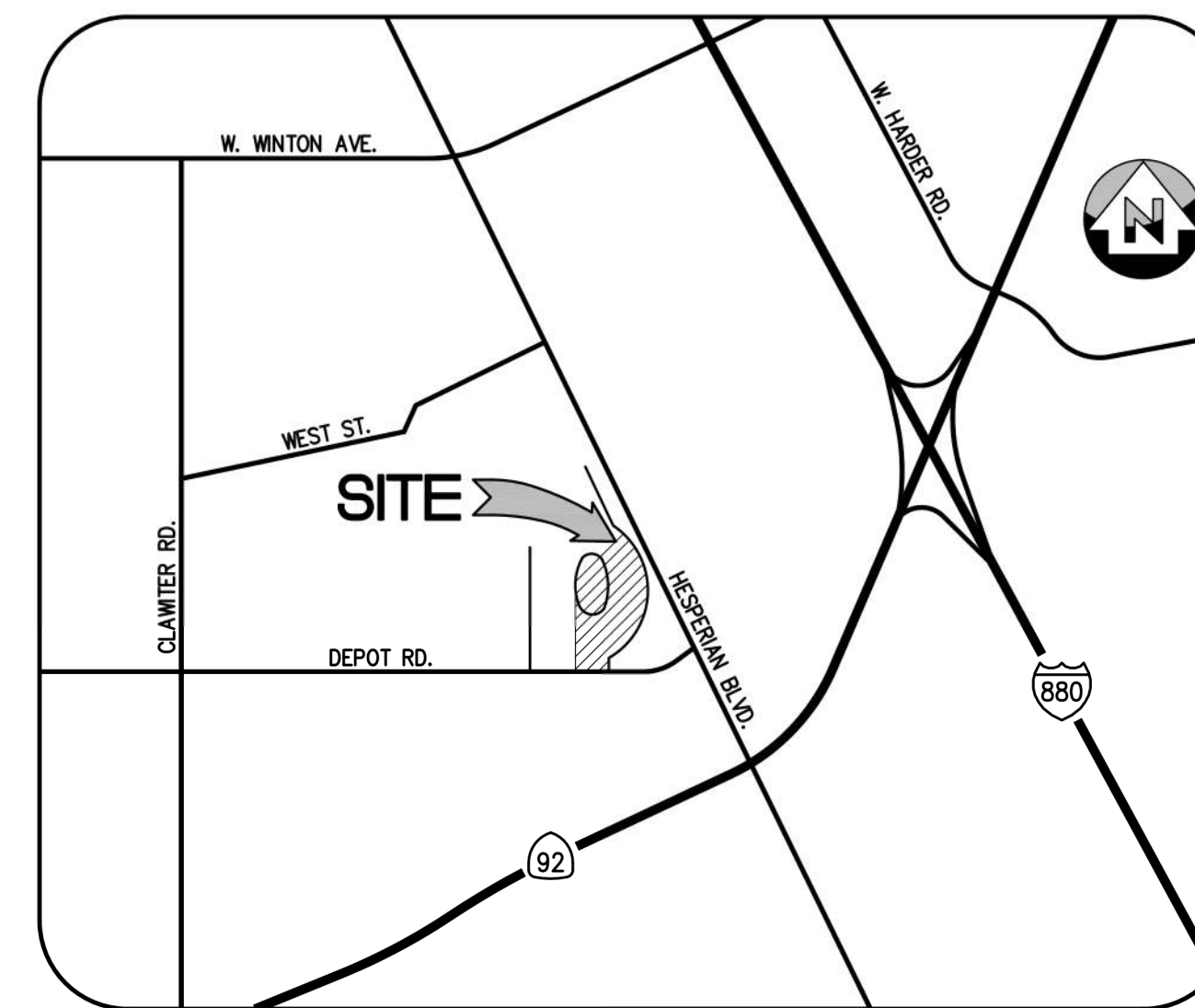


# CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT CHABOT COLLEGE

25555 HESPERIAN BLVD, HAYWARD, CA 94545

## PATHWAY AND PARKING LOT IMPROVEMENT PROJECT

DSA RESUBMITTAL      JUNE 12, 2022



VICINITY MAP  
 N.T.S.

### APPLICABLE CODES AND REGULATIONS

**PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020\***  
 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR\*  
 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR  
 (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR  
 (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR  
 (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR  
 (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR  
 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR  
 (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR  
 (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)  
 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR  
 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR  
 TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS  
 2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 15)  
 NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

### PROJECT DESCRIPTION

THE PROJECT SITE IMPROVEMENTS WILL CONSIST OF SIDEWALK INSTALLATION AND WIDENING, REVISED VEHICULAR AND PEDESTRIAN CIRCULATION, NEW SIGNAGE, DRAINAGE INLET RELOCATION, AND RELATED SITE IMPROVEMENTS. LOT H WILL IMPLEMENT WHEEL STOPS AND CONVERT 31 REGULAR STALLS TO COMPACT STALLS.

### SHEET INDEX

C001	COVER SHEET
C001	NOTES, LEGEND, AND ABBREVIATIONS
C101	TOPOGRAPHIC SURVEY
C102	TOPOGRAPHIC SURVEY
C103	TOPOGRAPHIC SURVEY
C111	DEMOLITION PLAN
C112	DEMOLITION PLAN
C113	DEMOLITION PLAN
C201	SITE, HORIZONTAL CONTROL, AND STRIPING PLAN
C202	SITE, HORIZONTAL CONTROL, AND STRIPING PLAN
C203	SITE, HORIZONTAL CONTROL, AND STRIPING PLAN
C301	GRADING & UTILITY PLAN
C302	GRADING & UTILITY PLAN
C303	GRADING & UTILITY PLAN
C400	GRADING ENLARGEMENTS
C500	GRADING ENLARGEMENTS
C501	STORMWATER MANAGEMENT PLAN
C601	CONSTRUCTION DETAILS
C602	CONSTRUCTION DETAILS
C701	PATH OF TRAVEL PLAN

**PARTIAL LIST OF APPLICABLE STANDARDS**

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED).....	2016 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED).....	2016 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS.....	2017 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS.....	2017 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.....	2016 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION.....	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED).....	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED).....	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES.....	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED).....	2015 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT.....	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES.....	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS.....	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED.....	2002 (R2010)
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS.....	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.  
 SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.  
 \*ALL PARTS OF THE 2019 CALIFORNIA BUILDING CODE BECAME EFFECTIVE JANUARY 1, 2020 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2019 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8, 2019.

### PROJECT DIRECTORY

#### OWNER INFO

CHABOT-LAS POSITAS CCD  
 CONTACT PERSON: MICHAEL GARR  
 7600 DUBLIN BLVD  
 DUBLIN, CA 94568  
 PH: 510.723.7637  
 EMAIL: MGARR@CCD.CCD.ORG

#### CIVIL ENGINEER

SANDIS  
 CONTACT PERSON: BRIAN CANOMILLA  
 636 9TH STREET  
 OAKLAND, CA 94607  
 E: BCANOMILLA@SANDIS.NET  
 PH: 510.873.8866

DATE: 8/18/2021  
 SCALE:  
 PROJECT No.:  
 618201.A

DATE: 07/12, 2022  
  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

SEAL:

No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS  
 CALIFORNIA

COVER SHEET

SHEET  
**G001**

LEGEND

Table with columns for EXISTING and PROPOSED, listing various construction elements like SAWCUT AND CONFORM LINE, RETAINING WALL, A.C. PAVEMENT, etc., with corresponding symbols and line styles.

ABBREVIATIONS

Table listing abbreviations for construction materials and features such as AB - AGGREGATE BASE, AC - ASPHALT CONCRETE, AD - AREA DRAIN, etc.

EXISTING PARKING LOT DSA

APPLICATION #NO's

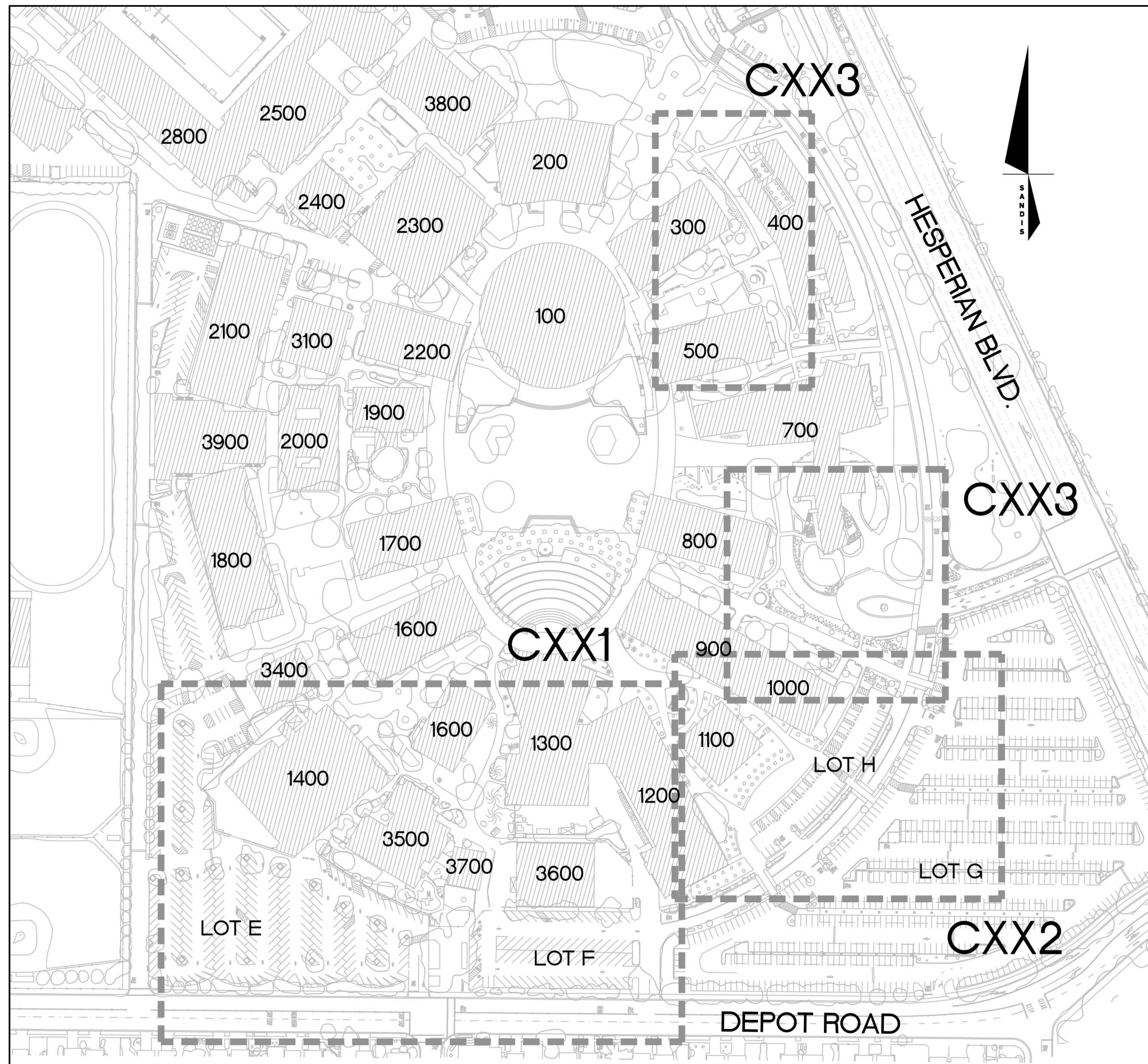
Table with columns for LOT, DSA APPLICATION #NO., and FILING DATE, listing lots E, F, G, and H.

PARKING COUNT

Table with columns for LOT, USE, and TOTAL SPACES, providing counts for STUDENT, STAFF, and various accessible spaces.

UNAUTHORIZED CHANGES AND USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans.



KEY MAP

SCALE: 1"=100'

BOUNDARY NOTE

THE CHABOT BOUNDARY IS BASED ON LEGAL DESCRIPTION PER BOOK 1126 O.R. PAGE 821, ALAMEDA COUNTY RECORDS. MONUMENTS WERE FOUND LOCATING CL OF HESPERIAN BOULEVARD ON OUR EASTERLY BOUNDARY...

BENCHMARK NOTE

THE BASIS OF ELEVATION FOR THIS SURVEY IS A CITY OF HAYWARD BENCHMARK LOCATED AT THE INTERSECTION OF HESPERIAN BOULEVARD AND CATHY WAY. ELEVATION = 39.40 FEET

BASIS OF BEARINGS

FOUND PK NAIL IN NORTHEAST PARKING LOT ADJACENT TO BUILDING 2100 TO CITY OF HAYWARD MONUMENT LOCATED IN INTERSECTION OF HESPERIAN BOULEVARD AND DEPOT ROAD.

BEARING = N59°43'53"W
DISTANCE = 1828.24'

P.O.T NOTES

- 1. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS...
2. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH...
3. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES...

ADA NOTES

- 1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%)
3. PATH OF TRAVEL TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%)
4. A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPEN ONTO THE LANDING.
5. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 2"-6" VERTICAL SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
6. MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2% MAXIMUM MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING SHALL BE 2% IN ANY DIRECTION.
7. ALL SIDEWALK SHALL HAVE A 4' MINIMUM CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

CONSTRUCTION NOTES

- 1. ALL OFF-SITE CONSTRUCTION MATERIAL AND METHODS SHALL COMPLY WITH THE LATEST EDITION OF THE CITY OF HAYWARD STANDARD PLANS & SPECIFICATIONS AND THE LATEST CITY OF HAYWARD STANDARD SPECIFICATIONS.
2. CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE POLICE AND FIRE DEPARTMENTS.
3. CONTRACTOR SHALL POST ON THE SITE EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS.
4. CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY UNLESS AN EXCAVATION PERMIT SPECIFICS OTHERWISE.
5. UTILITIES AND UNDERGROUND FACILITIES INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES. NEITHER THE OWNER NOR THE CITY NOR THE DESIGN PROFESSIONAL ASSUMES RESPONSIBILITY THAT THE UTILITIES AND UNDERGROUND FACILITIES INDICATED WILL BE THE UTILITIES AND UNDERGROUND FACILITIES ENCOUNTERED.
6. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT U.S.A. 800-227-2600 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING WORK TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE, AND PROTECT ALL UNDERGROUND FACILITIES.
7. THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM CITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPER'S CONSTRUCTION ACTIVITIES.
8. ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATES (DUST).
9. ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE.
10. ALL MATERIALS, REQUIRED FOR THE COMPLETE EXECUTION OF THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY DURING THE CONSTRUCTION PERIOD.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ENCROACHMENT, EXCAVATION, CONCRETE, ELECTRICAL, PLUMBING, ETC. PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION FOR ANY WORK.
14. THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR REPRESENTATIVE ON SITE AT ALL TIMES DURING CONSTRUCTION.
15. STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT ON CITY STREETS WILL NOT BE PERMITTED.
16. CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MUFFLED. UNNECESSARY IDLING OF GRADING CONSTRUCTION EQUIPMENT IS PROHIBITED.
17. CONSTRUCTION EQUIPMENT, TOOLS, ETC. SHALL NOT BE CLEANED OR RINSED INTO A STREET, GUTTER OR STORM DRAIN.
18. A CONTAINED AND COVERED AREA ON-SITE SHALL BE USED FOR STORAGE OF CEMENT BAGS, PAINTS, FLAMMABLE OILS, FERTILIZERS, PESTICIDES, OR ANY OTHER MATERIALS THAT HAVE POTENTIAL FOR BEING DISCHARGED TO THE STORM DRAIN SYSTEM BY WIND OR IN THE EVENT OF A MATERIAL SPILL.
19. ALL CONSTRUCTION DEBRIS SHALL BE GATHERED ON A REGULAR BASIS AND PLACED IN A DUMPSTER WHICH IS EMPTIED OR REMOVED WEEKLY. WHEN FEASIBLE, TARPS SHALL BE USED ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORMWATER POLLUTION.
20. ANY TEMPORARY ON-SITE CONSTRUCTION FINISHES SHALL BE SECURELY COVERED WITH A TARP OR OTHER DEVICE TO CONTAIN DEBRIS.
21. CONCRETE TRUCKS AND CONCRETE FINISHING OPERATIONS SHALL NOT DISCHARGE WASH WATER INTO THE STREET GUTTERS OR DRAINS.
22. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE ENFORCED IN ACCORDANCE WITH CBC & CFC CHAPTER 33

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

HAZARDOUS MATERIALS NOTE

ASBESTOS CONTAINING PIPE AND PIPE INSULATION IS KNOWN TO EXIST WITHIN THE PROJECT AREA. THE CONTRACTOR WILL PROTECT ALL ASBESTOS CONTAINING ITEMS DURING THE EXECUTION OF THIS CONTRACT. ADDITIONALLY THE CONTRACTOR WILL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS REGARDING CONSTRUCTION ACTIVITIES NEAR ASBESTOS CONTAINING MATERIALS.

PROJECT DESCRIPTION

THE PROJECT SITE IMPROVEMENTS WILL CONSIST OF SIDEWALK INSTALLATION AND WIDENING, REVISED VEHICULAR AND PEDESTRIAN CIRCULATION, NEW SIGNAGE, DRAINAGE INLET RELOCATION, AND RELATED SITE IMPROVEMENTS. THESE IMPROVEMENTS ARE PROPOSED AT VARIOUS LOCATIONS ACROSS THE CAMPUS AS FOLLOWS:

WORKS PROPOSED IN PARKING LOTS E & F

THE SCOPE OF WORK IN THESE AREAS INCLUDES SIDEWALK WIDENING, RE-STRIPPING, ADA STALL RECONFIGURATION, PARKING STALL RE-CONFIGURATION, NEW TRAFFIC AND PLANTER ISLAND INSTALLATION, INSTALLATION OF NEW CURBS, RELOCATION OF EXISTING EV CHARGER STATIONS AND REPLACEMENT OF DEFECTIVE PAVEMENT.

WORKS PROPOSED IN PARKING LOTS H & G

THE SCOPE OF WORK IN THIS AREA INCLUDES INSTALLING NEW WHEEL STOPS IN EXISTING PARKING LOT H TO PREVENT CARS FROM ENCRACHING INTO PEDESTRIAN WALKWAYS. BECAUSE OF THIS, STANDARD SIZED STALLS WERE CONVERTED TO COMPACT STALLS WITH ASSOCIATED PAINT MARKS IN THE RESPECTIVE STALLS.

THE SCOPE OF WORKS ALSO INCLUDES CONVERTING 15x REGULAR STALLS IN PARKING LOT G TO 10x NEW ACCESSIBLE STALLS AND CONVERTING 2x EV STALLS TO ACCESSIBLE EV STALLS

WORKS PROPOSED IN VICINITY OF BLDG 400

THE SCOPE OF WORK IN THIS AREA INCLUDES PROVIDING A MORE DIRECT PATH OF PEDESTRIAN ACCESS CONNECTING THE EXISTING PARKING LOT G TO THE CAMPUS.

WORKS PROPOSED IN VICINITY OF BLDG 700

THE SCOPE OF WORK IN THIS AREA INCLUDES WIDENING THE SIDEWALK TO 10-FEET TO PROVIDE ADDITIONAL SPACE FOR CART ACCESS WHILE MAINTAINING PEDESTRIAN CIRCULATION. ADDITIONALLY, A PATH OF PEDESTRIAN ACCESS WAS ADDED TO PROVIDE A DIRECT PATH FROM THE BUILDING 300 TO THE WALK EXITING THE CAMPUS.

THE SCOPE OF WORKS ALSO INCLUDES REGARDING A SECTION OF PATHWAY LEADING TO THE ACCESSIBLE DROP OFF ZONE TO ENSURE IT MEETS CURRENT CBC REQUIREMENTS

UTILITY/POTHOLE NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES BY POTHOLES PRIOR TO COMMENCING CONSTRUCTION.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 01-119692 INC. REVIEWED FOR: SS FLS ACS DATE: 07/13/22



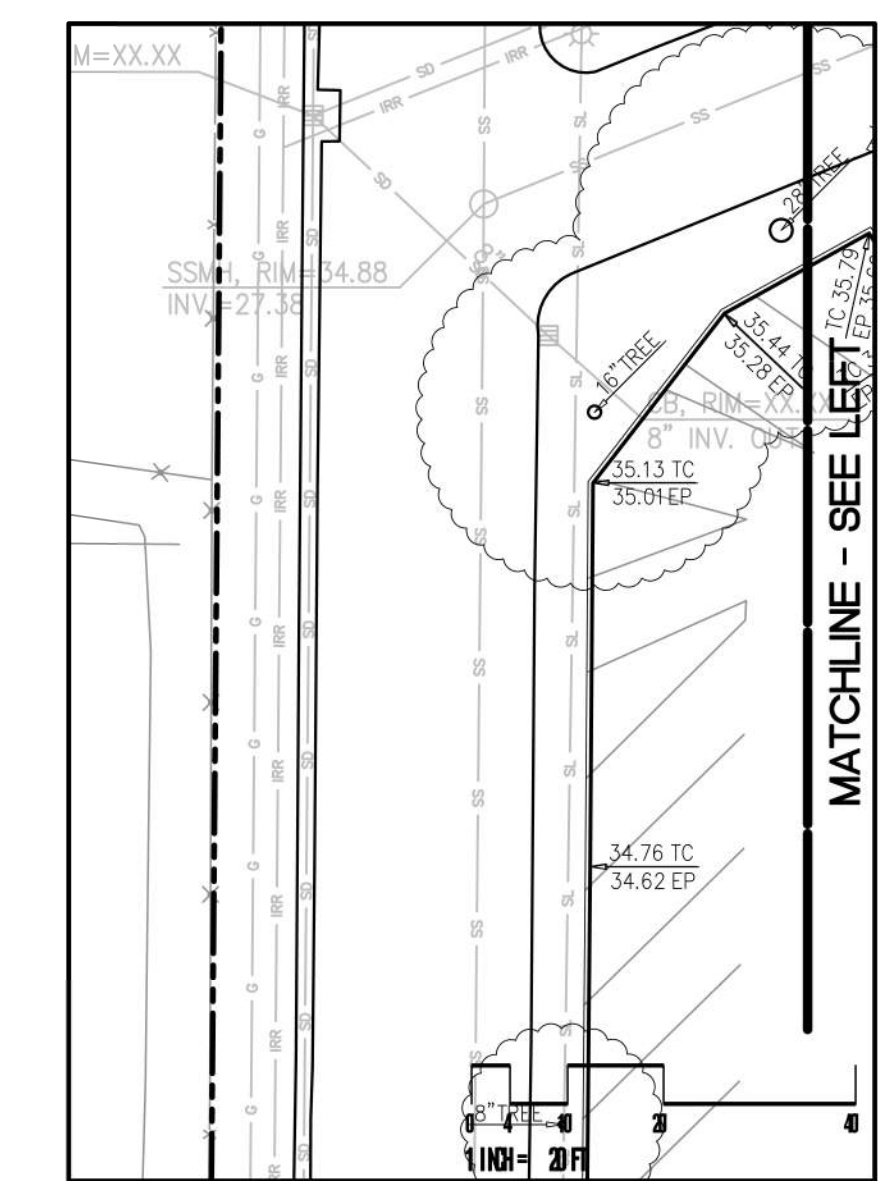
Professional Engineer seal for Michael A. Kuykendall, State of California, No. 70870, Exp. 6/30/23

Table with columns for No., REVISION, DATE, BY, listing DSA SUBMITTAL and RESUBMITTAL dates from 8/18/2021 to 7/12/2022.

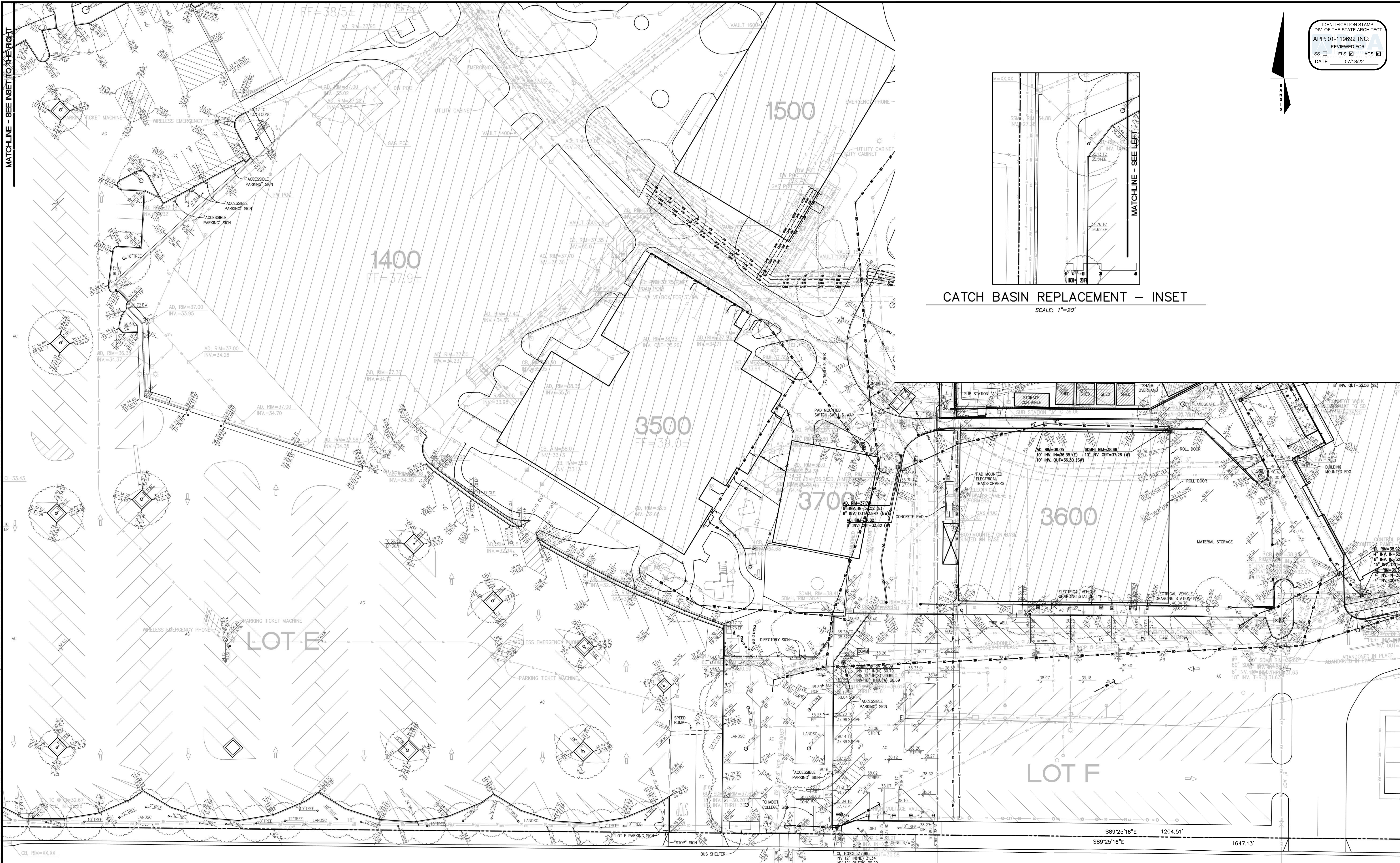
CHABOT COLLEGE PATHWAY AND PARKING LOT IMPROVEMENTS CALIFORNIA

NOTES, LEGEND, AND ABBREVIATIONS C001 SHEET

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CATCH BASIN REPLACEMENT – INSET  
 SCALE: 1"=20'



PARKING LOT E & F VICINITY  
 SCALE: 1"=20'

**SANDIS**  
**BUDON**  
 SHEET

DATE: 8/18/2021	DATE: 07/12, 2022		SEAL:
SCALE: 1"=20'	PROJECT No.: 618201.A		R.C.E. NO. 70870, EXPIRES 6-30-23

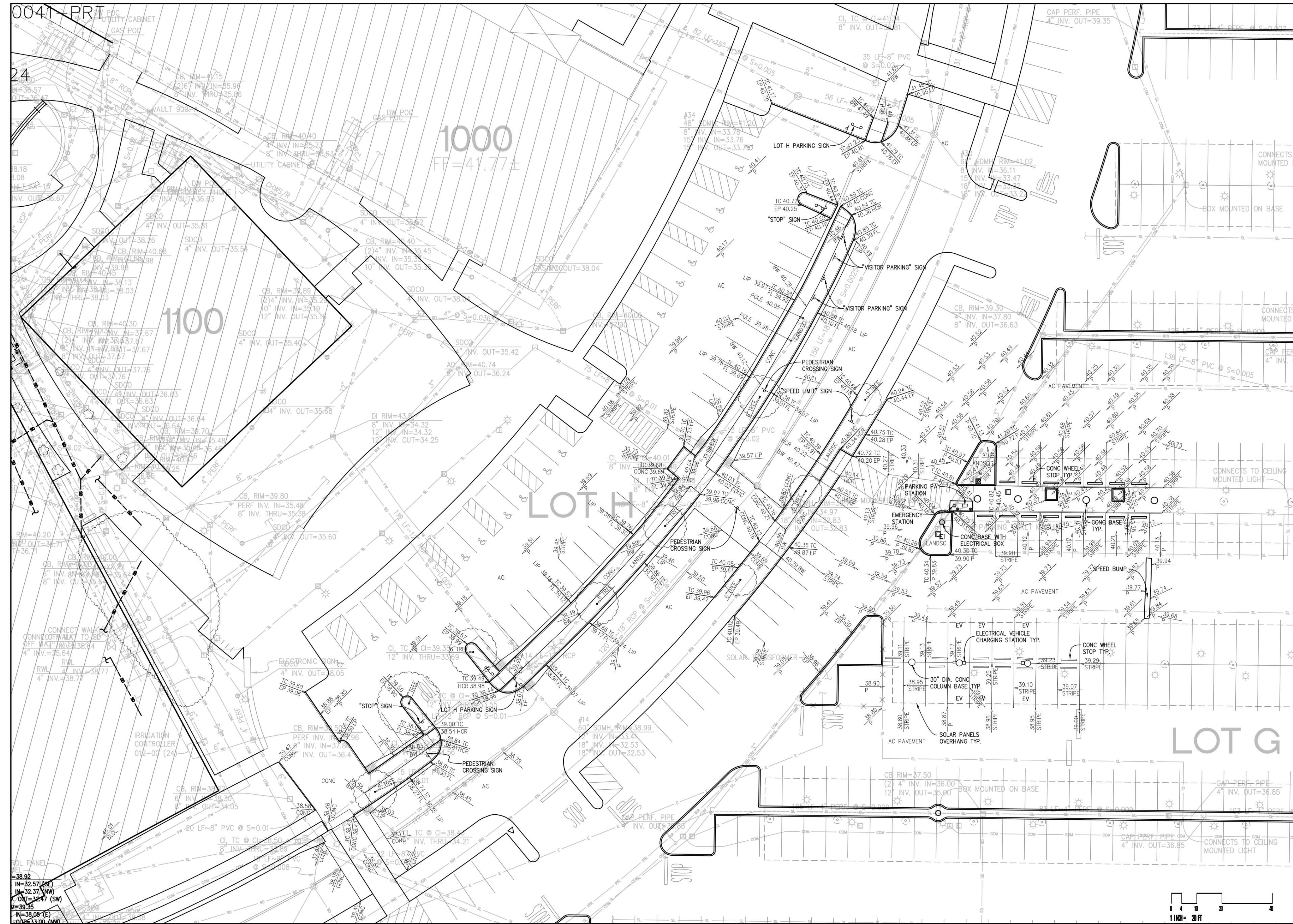
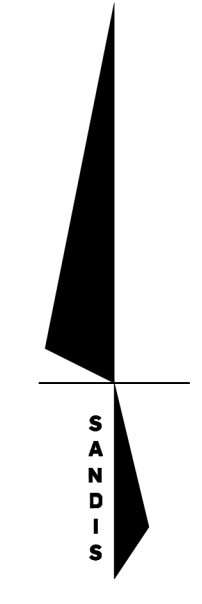
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**CHABOT COLLEGE**  
**PATHWAY AND**  
**PARKING LOT IMPROVEMENTS**  
 CALIFORNIA

**TOPOGRAPHIC SURVEY**  
**C101**  
 SHEET

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PARKING LOT H & G VICINITY  
 SCALE: 1"=20'

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**BIDON**  
 SURVEY

DATE: 8/18/2021  
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 PROJECT No.: 618201.A  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

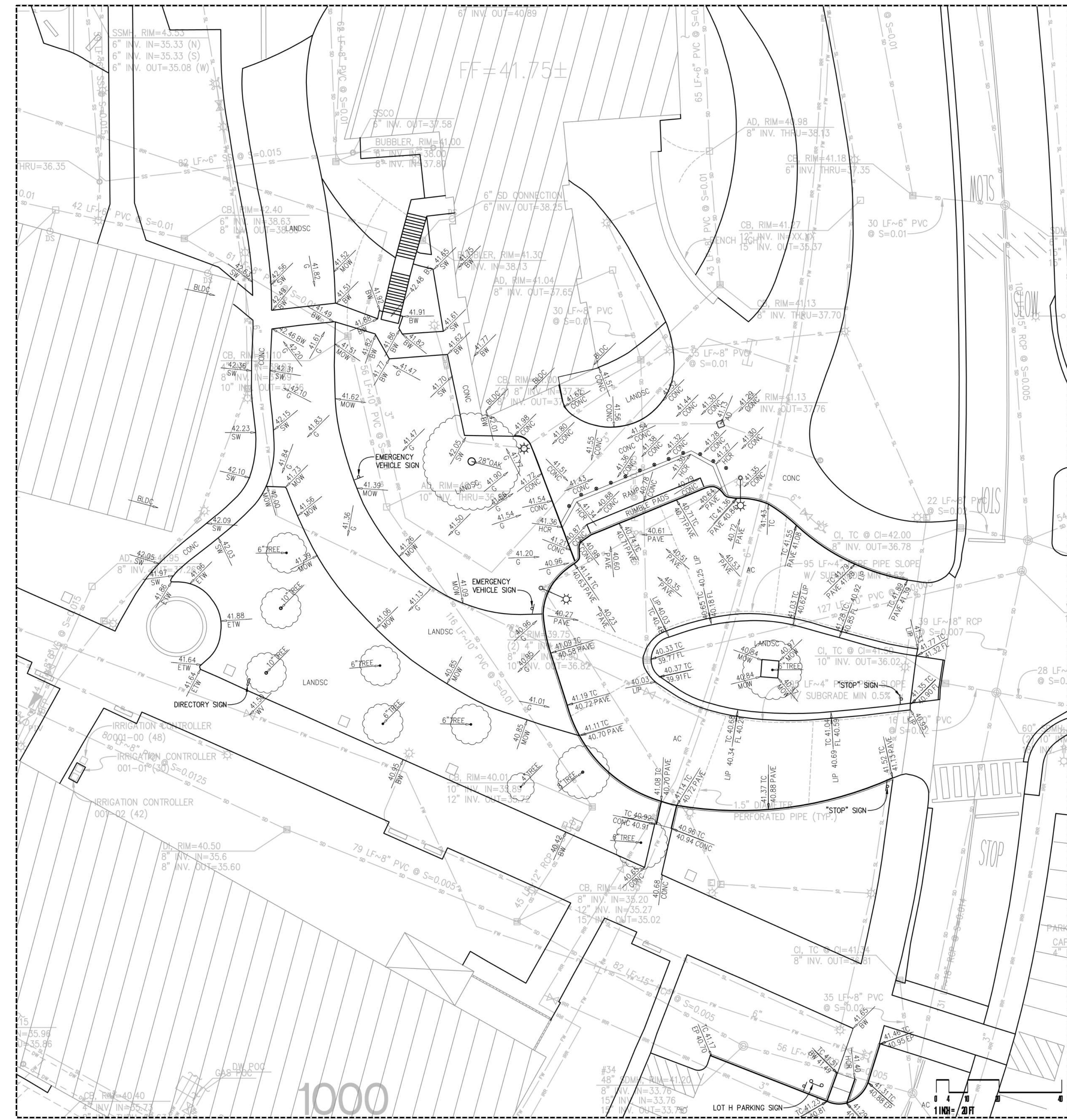
SEAL:  
 REGISTERED PROFESSIONAL ENGINEER  
 MICHAEL A. KUYKENDALL  
 No. 70870  
 Exp. 6/30/23  
 CIVIL  
 STATE OF CALIFORNIA

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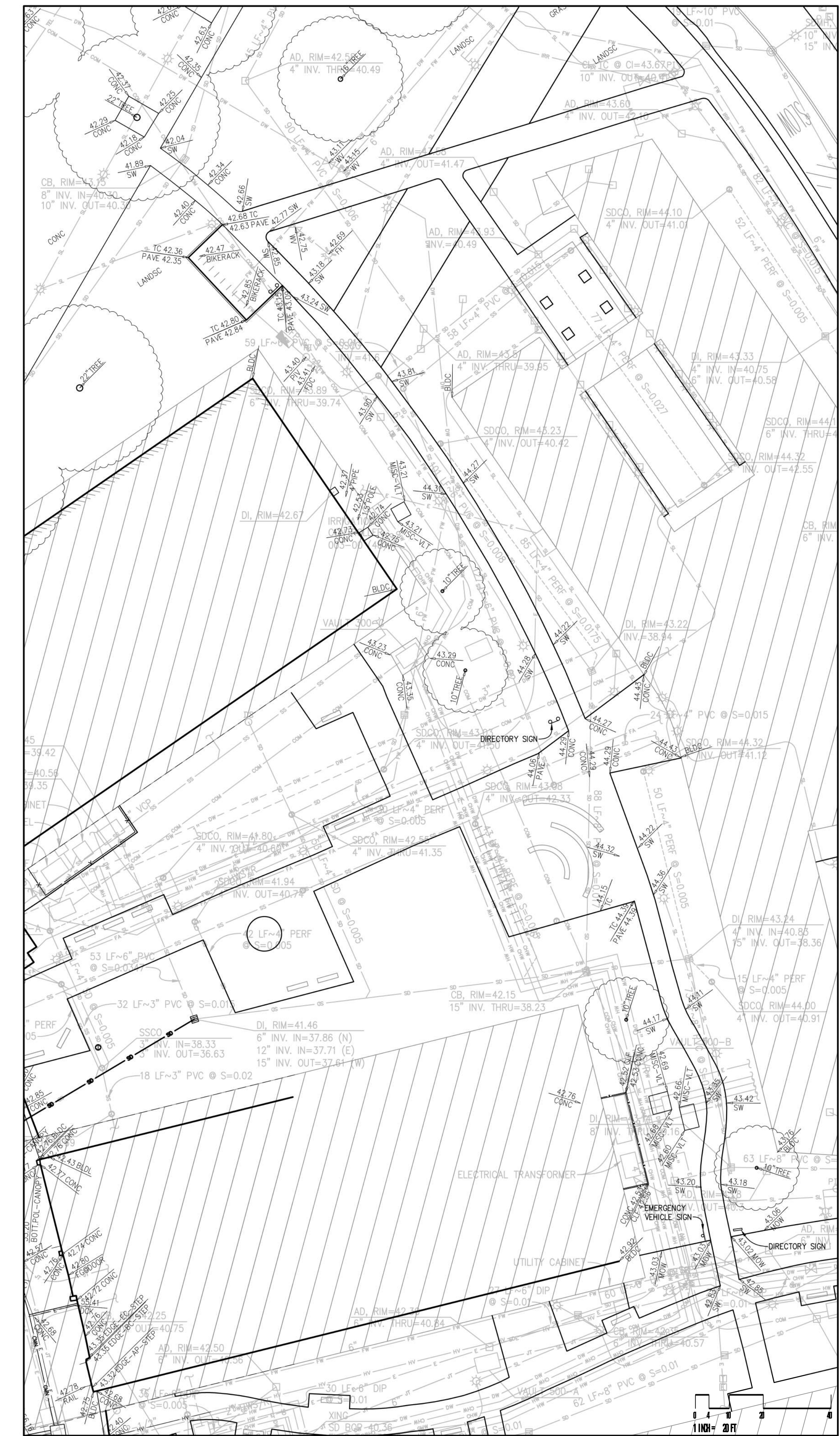
CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS  
 CALIFORNIA

TOPOGRAPHIC SURVEY

SHEET  
**C102**



BUILDING 700 VICINITY  
 SCALE: 1"=20'



BUILDING 400 VICINITY  
 SCALE: 1"=20'

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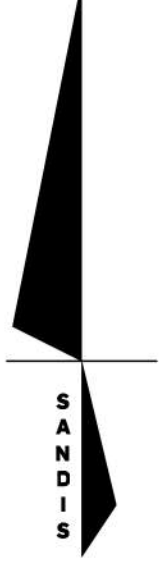
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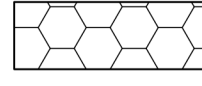

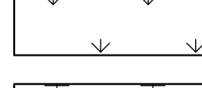
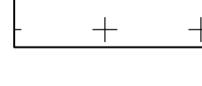
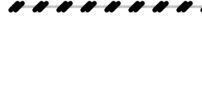






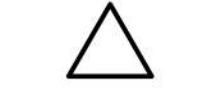

CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS  
 CALIFORNIA

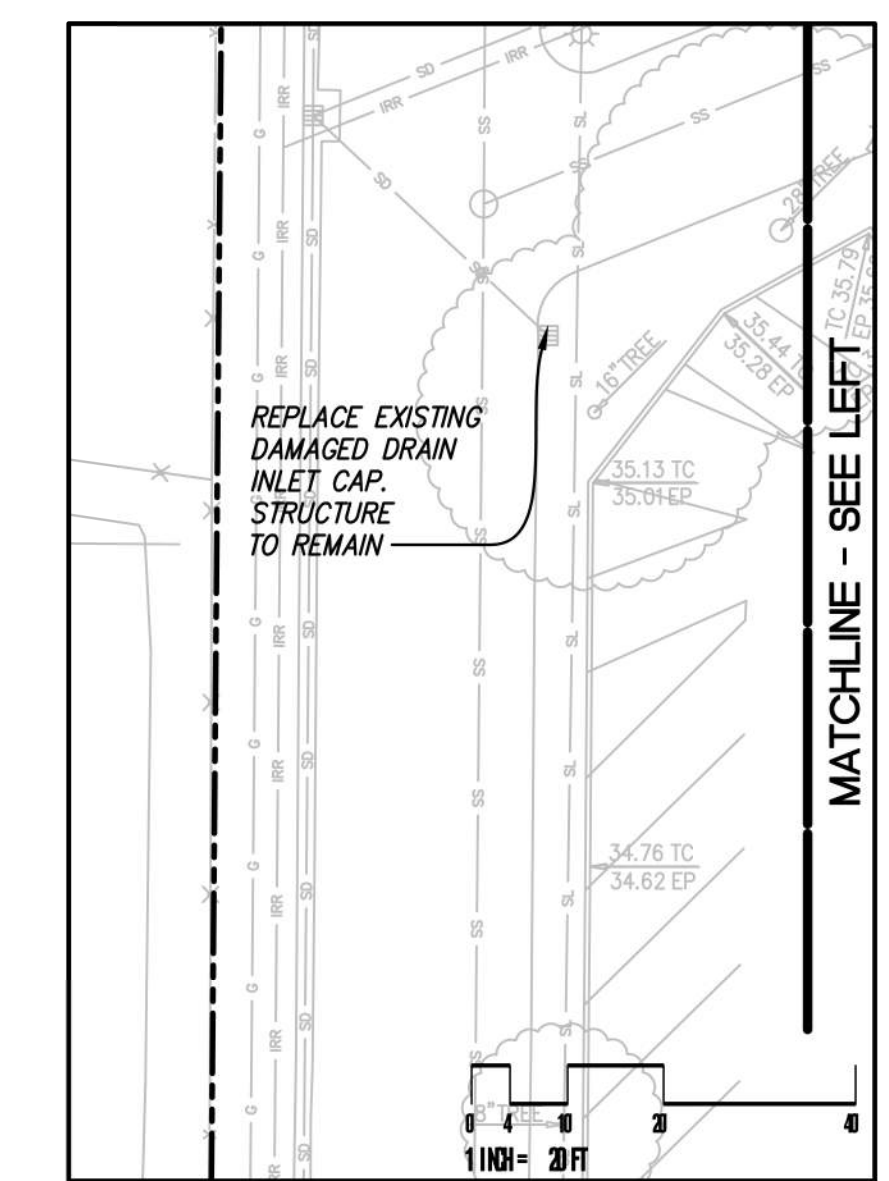
TOPOGRAPHIC SURVEY

SHEET  
**C103**

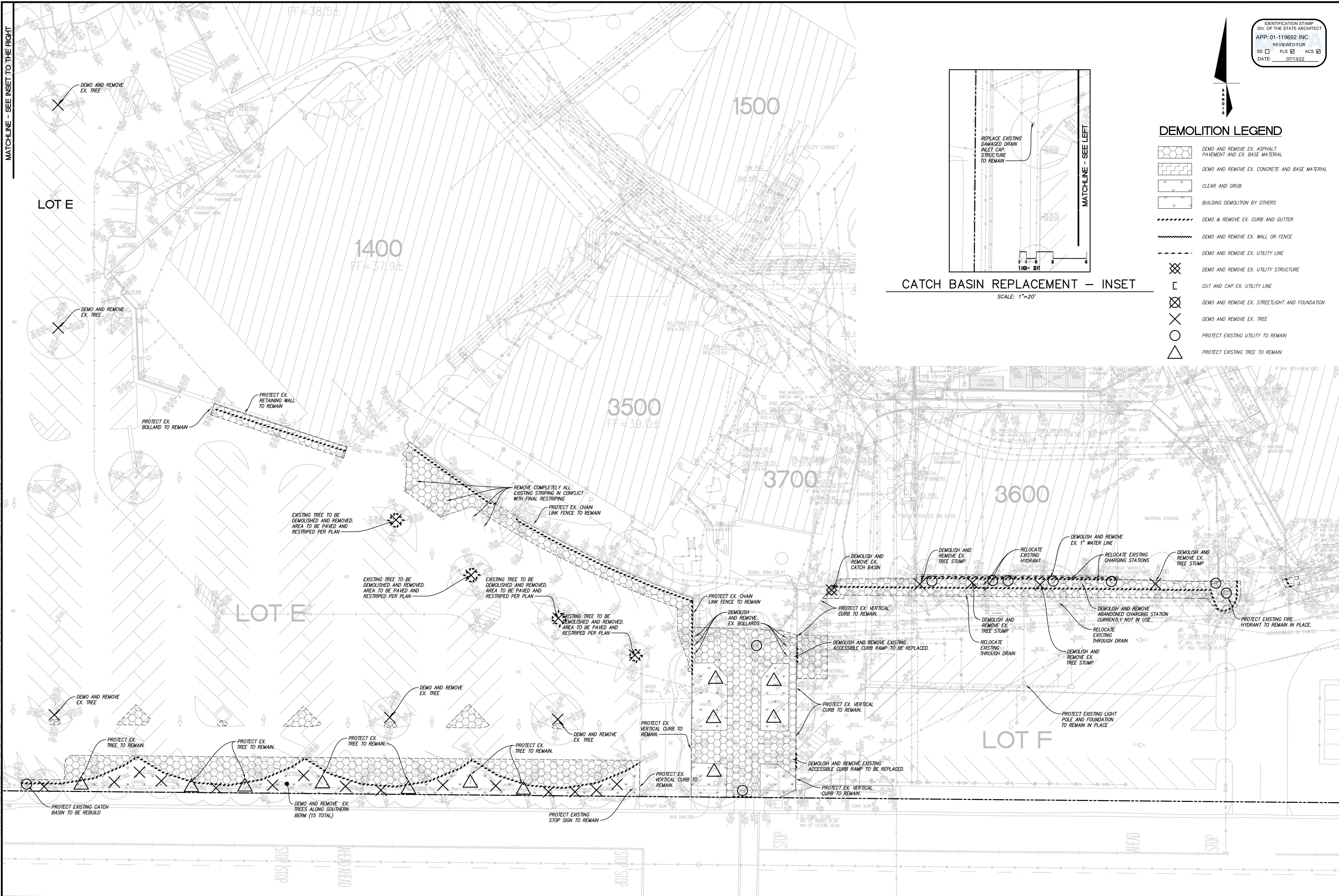


**DEMOLITION LEGEND**

-  DEMO AND REMOVE EX. ASPHALT PAVEMENT AND EX. BASE MATERIAL
-  DEMO AND REMOVE EX. CONCRETE AND BASE MATERIAL
-  CLEAR AND GRUB
-  BUILDING DEMOLITION BY OTHERS
-  DEMO & REMOVE EX. CURB AND GUTTER
-  DEMO AND REMOVE EX. WALL OR FENCE
-  DEMO AND REMOVE EX. UTILITY LINE
-  DEMO AND REMOVE EX. UTILITY STRUCTURE
-  CUT AND CAP EX. UTILITY LINE
-  DEMO AND REMOVE EX. STREETLIGHT AND FOUNDATION
-  DEMO AND REMOVE EX. TREE
-  PROTECT EXISTING UTILITY TO REMAIN
-  PROTECT EXISTING TREE TO REMAIN

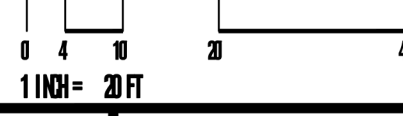


**CATCH BASIN REPLACEMENT – INSET**  
 SCALE: 1"=20'



**PARKING LOT E & F VICINITY**

SCALE: 1"=20'



**SANDIS**  
 BUDON  
 PROJECT No: 618201.A  
 DATE: 8/18/2021  
 SCALE: 1"=20'

DATE: 07/12, 2022  
 PROJECT No: 618201.A  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

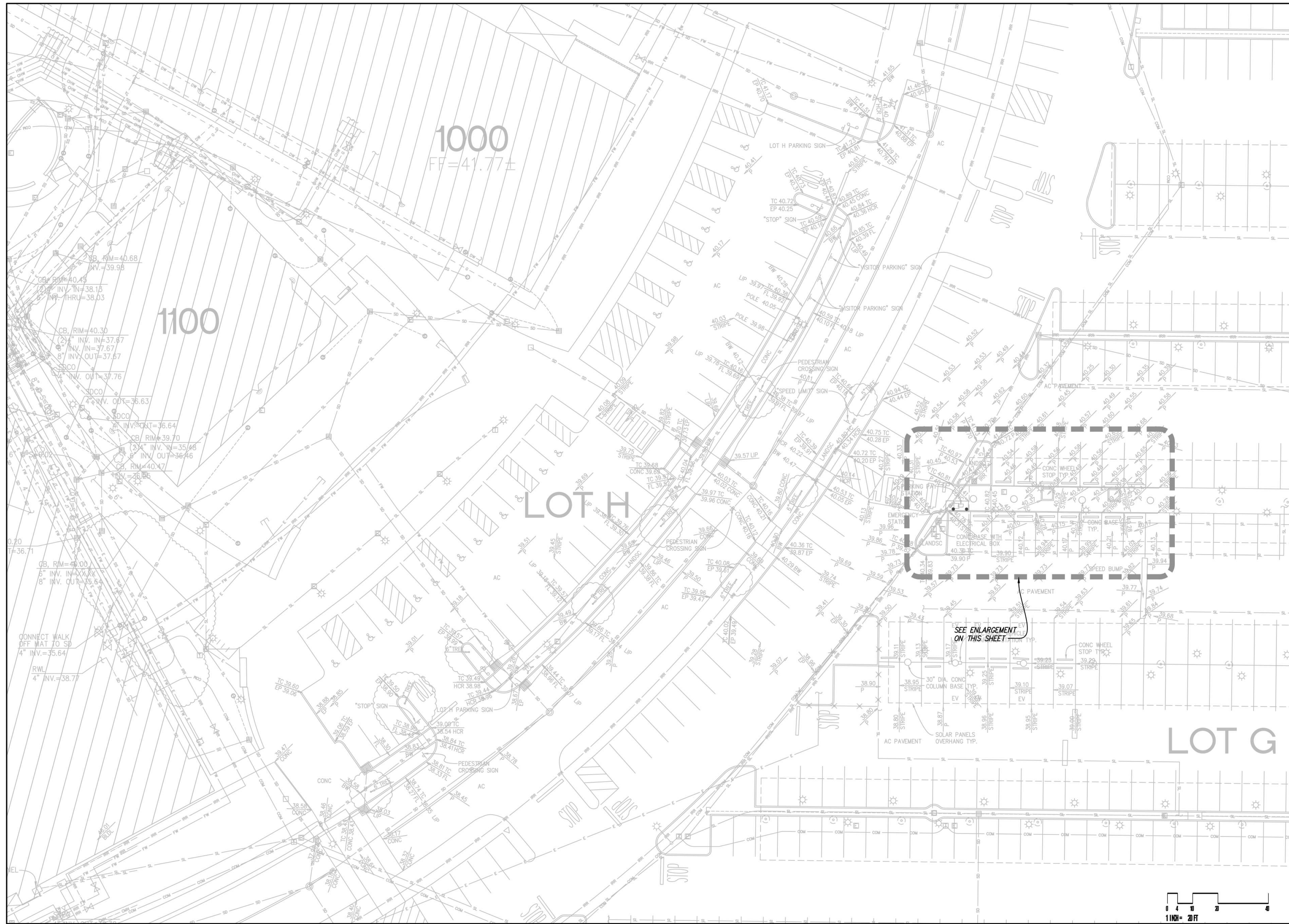
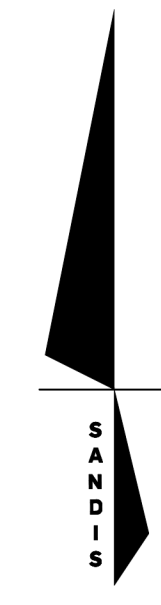
**CHABOT COLLEGE**  
**PATHWAY AND**  
**PARKING LOT IMPROVEMENTS**  
 CALIFORNIA

**DEMOLITION PLAN**

SHEET  
**C111**

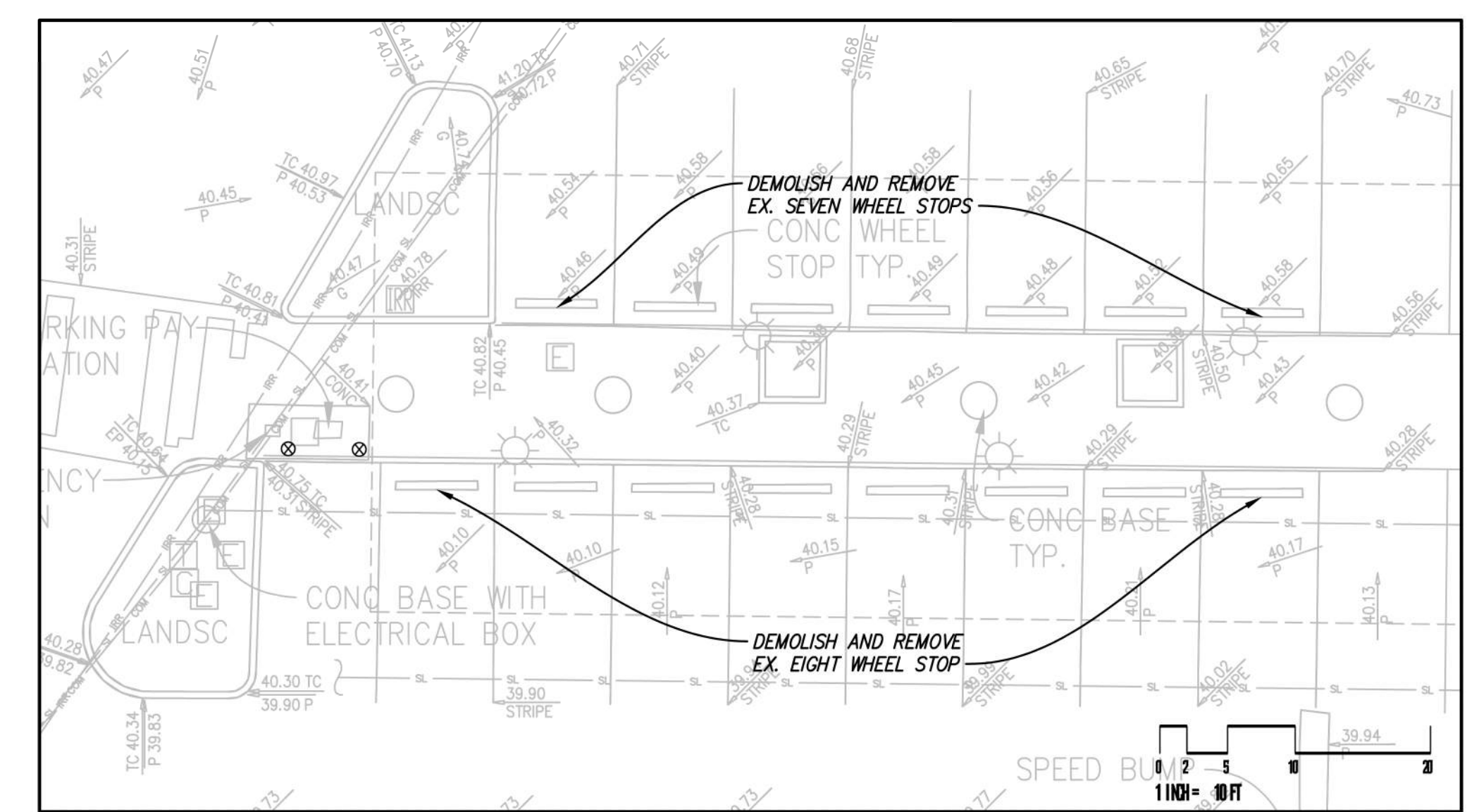
File: X:\P\618201.A\4 ENGINEERING\2 PLAN SETS\3 SHEET SET\ONSITE\C111.dwg Date: Jul 12, 2022 - 8:37 AM

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**DEMOLITION LEGEND**

- DEMO AND REMOVE EX. ASPHALT PAVEMENT AND EX. BASE MATERIAL
- DEMO AND REMOVE EX. CONCRETE AND BASE MATERIAL
- CLEAR AND GRUB
- BUILDING DEMOLITION BY OTHERS
- DEMO & REMOVE EX. CURB AND GUTTER
- DEMO AND REMOVE EX. WALL OR FENCE
- DEMO AND REMOVE EX. UTILITY LINE
- DEMO AND REMOVE EX. UTILITY STRUCTURE
- CUT AND CAP EX. UTILITY LINE
- DEMO AND REMOVE EX. STREETLIGHT AND FOUNDATION
- DEMO AND REMOVE EX. TREE
- PROTECT EXISTING UTILITY TO REMAIN
- PROTECT EXISTING TREE TO REMAIN



**PARKING LOT H & G VICINITY**  
 SCALE: 1"=20'

**PARKING LOT G ACCESSIBLE STALL ENLARGEMENT**  
 SCALE: 1"=10'

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**BIDON**  
 ENGINEER

DATE: 8/18/2021  
 SCALE: 1"=20'  
 PROJECT No.: 618201.A  
 DATE: 07/12, 2022  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

SEAL:

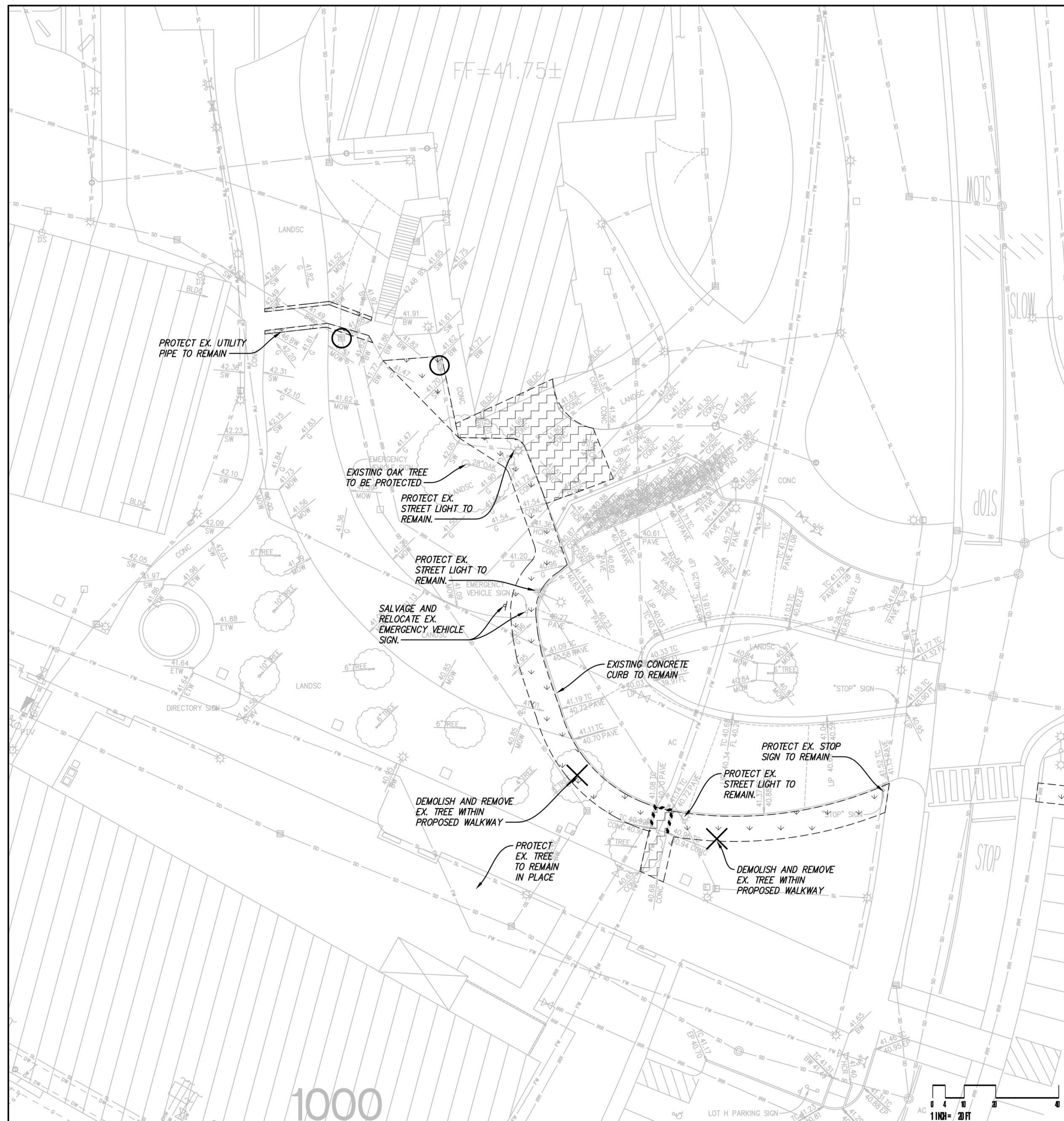
No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

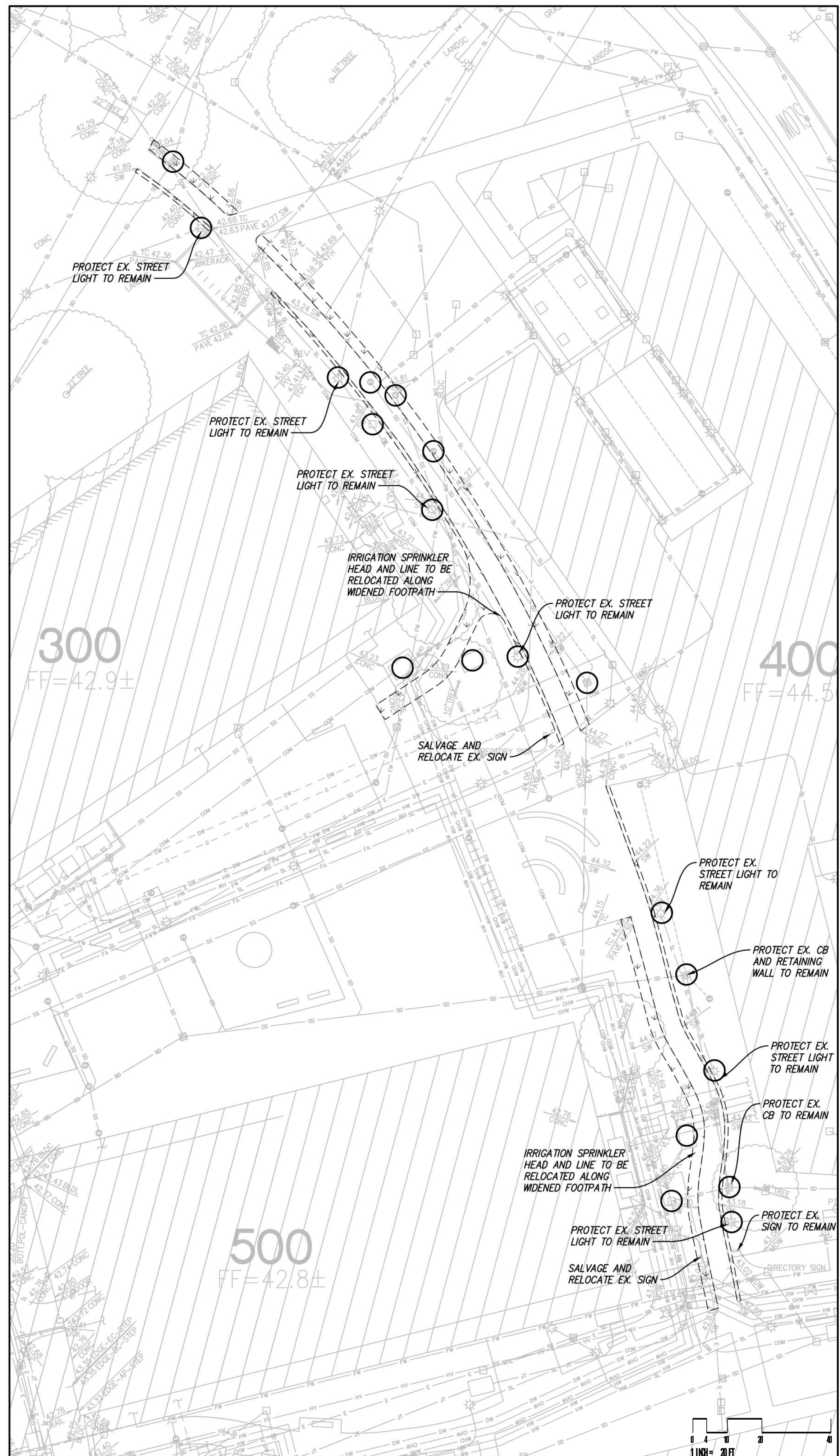
**DEMOLITION PLAN**

SHEET  
**C112**



**BUILDING 700 VICINITY**

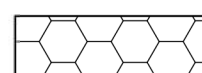

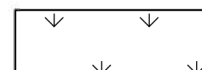
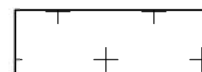
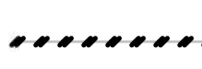

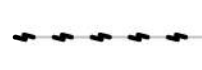





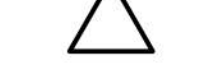
SCALE: 1"=20'



**BUILDING 400 VICINITY**

SCALE: 1"=20'

**DEMOLITION LEGEND**

-  DEMO AND REMOVE EX. ASPHALT PAVEMENT AND EX. BASE MATERIAL
-  DEMO AND REMOVE EX. CONCRETE AND BASE MATERIAL
-  CLEAR AND GRUB
-  BUILDING DEMOLITION BY OTHERS
-  DEMO & REMOVE EX. CURB AND GUTTER
-  DEMO AND REMOVE EX. WALL OR FENCE
-  DEMO AND REMOVE EX. UTILITY LINE
-  DEMO AND REMOVE EX. UTILITY STRUCTURE
-  CUT AND CAP EX. UTILITY LINE
-  DEMO AND REMOVE EX. STREETLIGHT AND FOUNDATION
-  DEMO AND REMOVE EX. TREE
-  PROTECT EXISTING UTILITY TO REMAIN
-  PROTECT EXISTING TREE TO REMAIN

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DATE: 8/18/2021  
 SCALE: AS SHOWN  
 PROJECT No.: 618201.A  
 DATE: 07/12, 2022  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

No.	REVISION	DATE	BY
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	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

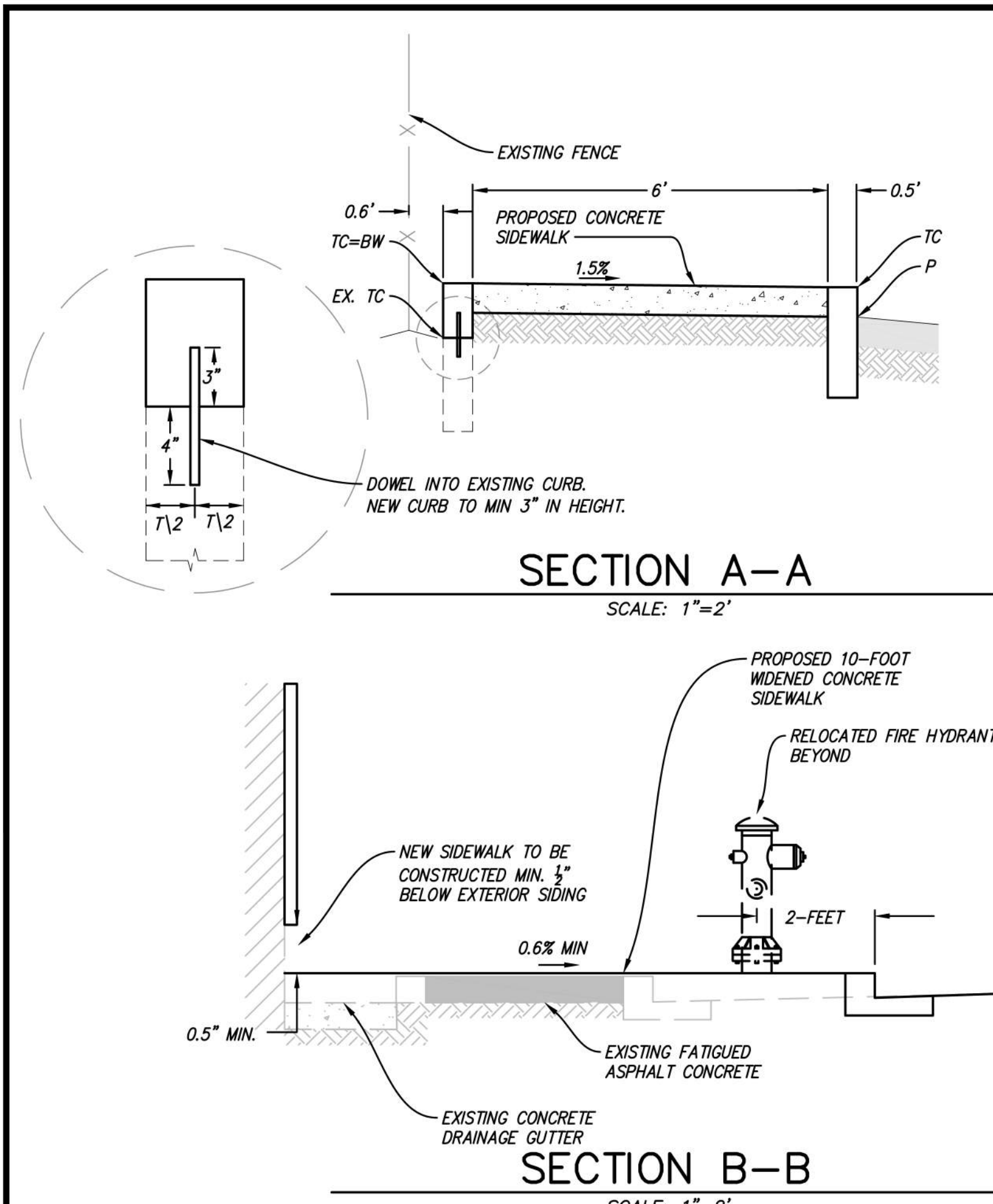
**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

**DEMOLITION PLAN**

SHEET  
**C113**





LINE	BEARING	LENGTH
L1	S0°38'04"W	1.14'
L2	N89°29'18"W	1.80'
L3	N0°30'42"E	1.00'
L4	N89°29'18"W	2.00'
L5	N0°30'42"E	1.00'
L6	N89°29'18"W	26.52'
L7	S0°30'42"W	12.00'
L8	N89°29'18"W	2.50'
L9	N0°30'42"E	12.00'
L10	N89°29'18"W	61.00'
L11	S0°30'42"W	11.90'
L12	N89°29'18"W	2.50'
L13	N0°30'42"E	11.90'
L14	N89°29'18"W	27.00'
L15	S0°30'42"W	11.99'
L16	N89°29'18"W	2.50'
L17	N0°30'42"E	11.99'
L18	N89°29'18"W	36.00'
L19	S0°30'42"W	12.00'
L20	N89°29'18"W	6.00'
L21	N0°30'42"E	12.00'
L22	N89°29'18"W	45.00'
L23	S0°30'42"W	12.00'
L24	N89°29'18"W	2.50'
L25	N0°30'42"E	12.00'
L26	N89°29'18"W	27.00'
L27	S0°30'42"W	12.00'
L28	N89°29'18"W	2.50'
L29	N0°30'42"E	12.00'

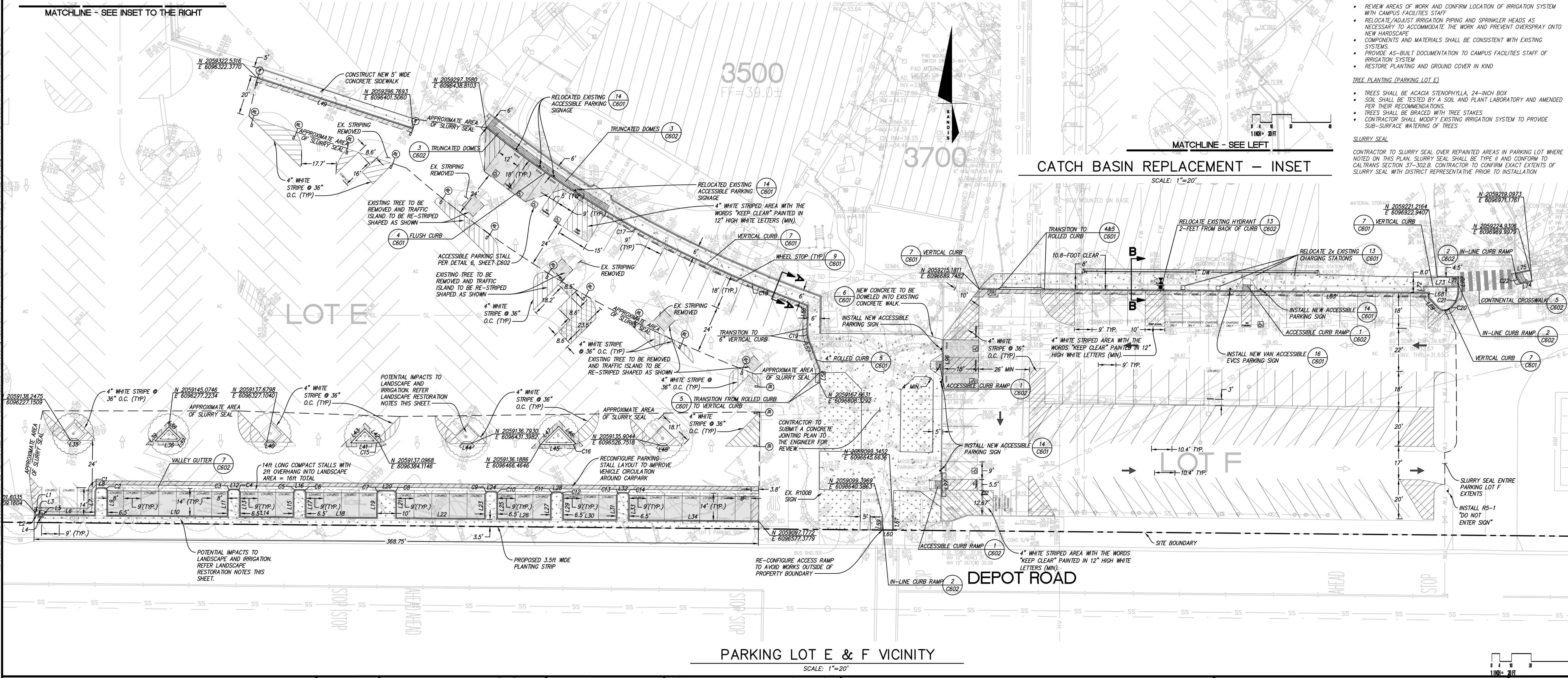
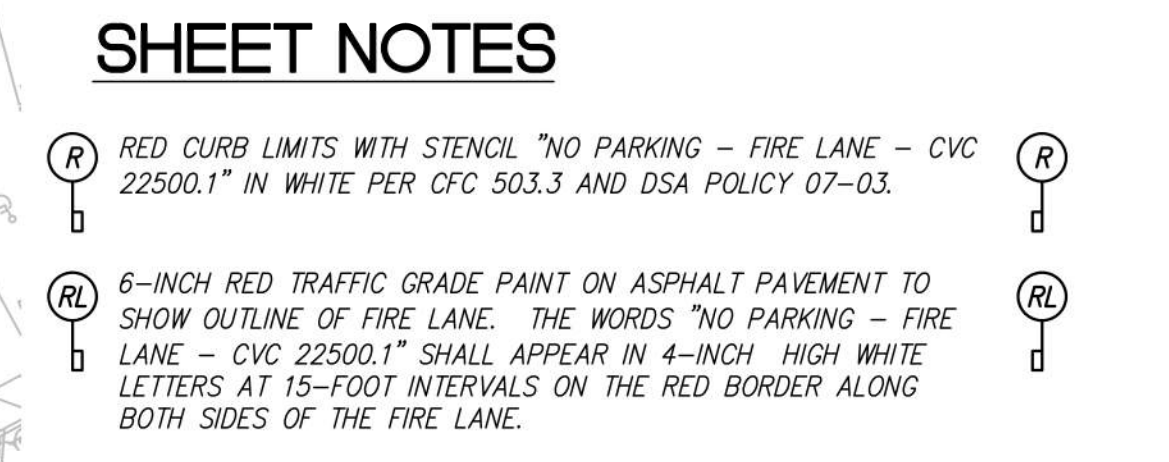
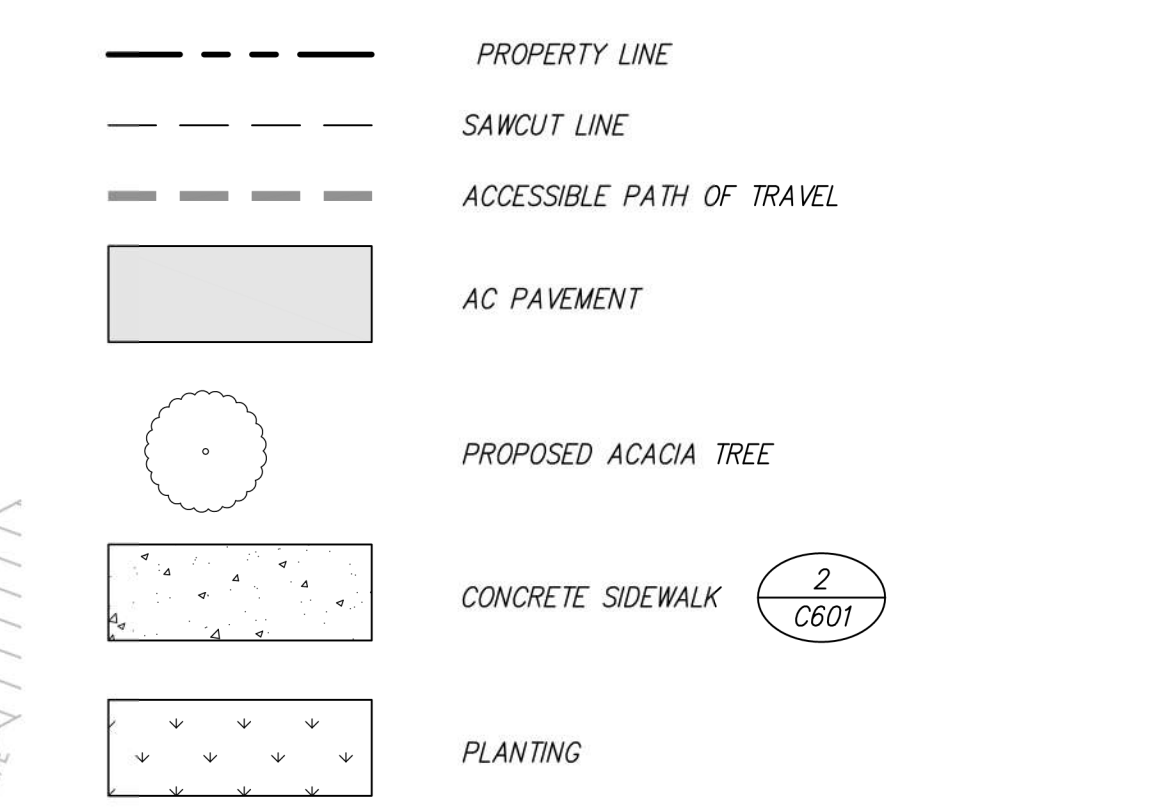
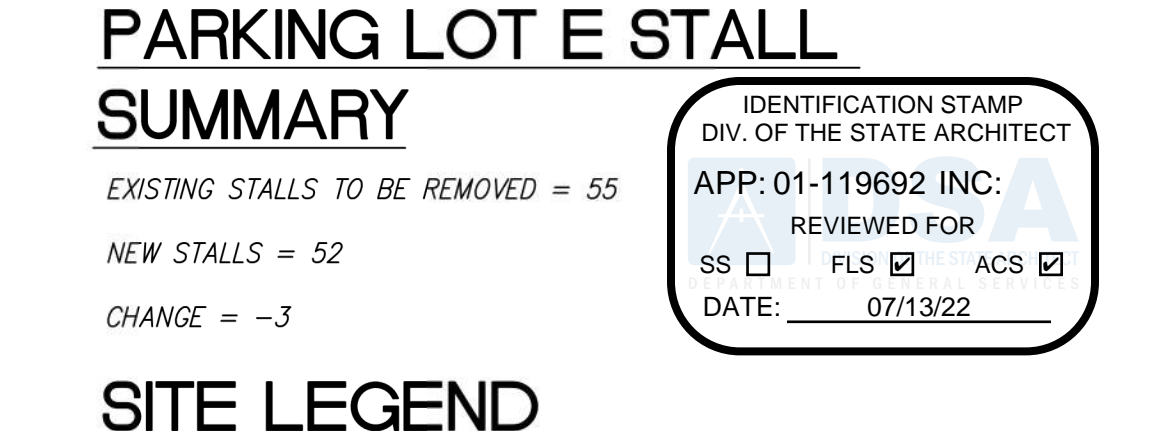
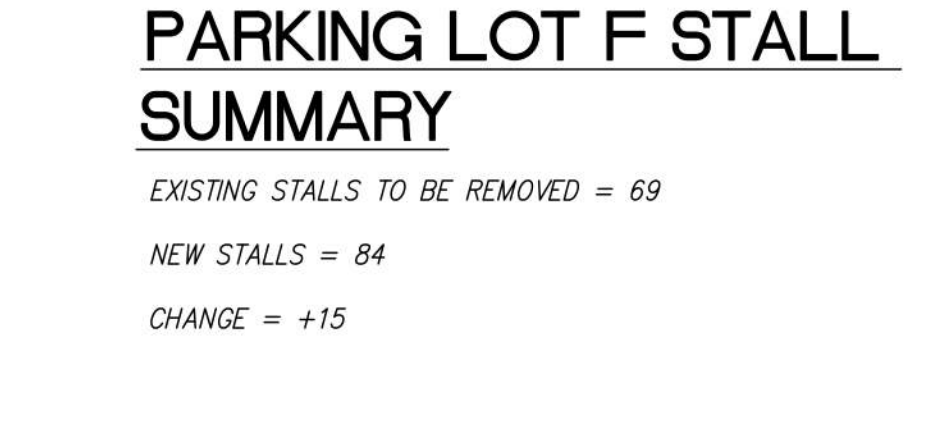
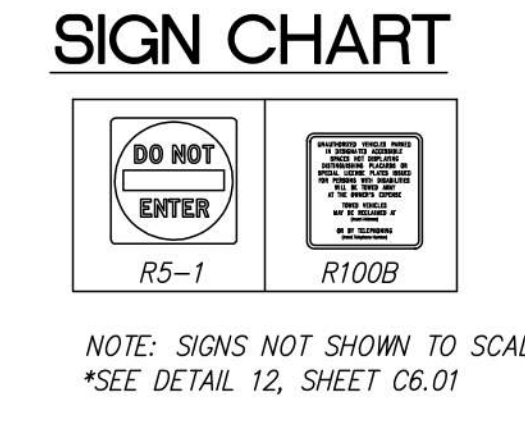
LINE	BEARING	LENGTH
L30	N89°29'18"W	27.00'
L31	S0°30'42"W	12.00'
L32	N89°29'18"W	2.50'
L33	N0°30'42"E	12.00'
L34	N89°29'18"W	65.93'
L35	N89°29'18"W	3.49'
L36	S89°27'43"W	11.64'
L37	S44°11'35"W	1.91'
L38	S45°06'57"E	8.39'
L39	N44°24'44"E	10.04'
L40	N89°18'58"W	2.85'
L41	S89°38'49"E	12.10'
L42	N45°06'48"W	10.08'
L43	S45°00'30"W	10.24'
L44	N89°33'10"W	4.36'
L45	N89°20'59"W	15.20'
L46	S43°51'42"E	12.57'
L47	N44°52'59"E	13.05'
L48	N89°30'28"W	3.41'
L49	S71°57'58"E	83.22'
L50	S0°48'10"W	13.51'
L51	S20°17'07"E	16.66'
L52	S0°30'42"W	6.39'
L53	N89°29'18"W	2.50'
L54	N0°30'42"E	6.78'
L55	S89°29'18"E	5.08'
L56	N0°06'13"E	6.78'
L57	S89°29'18"E	228.61'
L58	S0°36'23"W	2.33'
L59	S44°08'04"E	7.21'

LINE	BEARING	LENGTH
L70	N0°40'17"E	6.82'
L71	N89°30'15"W	10.88'
L72	S0°30'42"W	3.08'
L73	S89°29'08"E	18.01'
L74	N78°35'08"E	5.89'
L75	S78°35'08"E	7.39'
L76	S89°30'07"W	9.39'
L77	S12°44'21"W	14.69'
L78	N64°38'01"W	8.34'
L79	N13°22'08"E	12.94'
L80	N40°11'50"E	3.33'
L81	N19°28'36"W	24.17'
L82	N57°15'18"W	16.66'
L83	N44°28'49"W	34.23'
L84	N85°38'22"E	18.60'
L85	S12°14'39"E	21.84'
L86	N65°53'10"E	24.69'
L87	N63°39'06"E	9.10'
L88	S21°36'00"E	17.17'
L89	S69°39'29"W	22.46'
L90	S20°45'26"E	20.52'
L91	S17°36'39"E	17.41'
L92	N67°17'19"E	4.85'
L93	S83°42'41"E	26.15'
L94	S33°45'47"W	5.64'
L95	N83°20'40"W	23.55'
L96	S0°30'44"W	12.00'
L97	S0°30'58"W	12.00'

CURVE	LENGTH	RADIUS	DELTA
C1	3.14'	2.00'	90°00'00"
C2	3.14'	2.00'	90°00'00"
C3	3.14'	2.00'	90°00'00"
C4	3.14'	2.00'	90°00'00"
C5	3.14'	2.00'	90°00'00"
C6	3.14'	2.00'	90°00'00"
C7	3.14'	2.00'	90°00'00"
C8	3.14'	2.00'	90°00'00"
C9	3.14'	2.00'	90°00'00"
C10	3.14'	2.00'	90°00'00"
C11	3.14'	2.00'	90°00'00"
C12	3.14'	2.00'	90°00'00"
C13	3.14'	2.00'	90°00'00"
C14	3.14'	2.00'	90°00'00"
C15	2.29'	13.03'	10°04'58"
C16	2.75'	14.99'	10°31'19"
C17	121.68'	501.50'	13°54'05"
C18	66.07'	697.50'	5°25'39"
C19	3.68'	10.00'	21°05'17"
C20	6.68'	4.50'	85°01'49"
C21	10.80'	11.75'	52°39'36"
C22	6.24'	10.10'	35°21'35"
C23	68.34'	128.69'	30°25'37"
C24	53.21'	52.30'	58°17'22"
C25	19.60'	269.48'	4°10'03"
C26	12.68'	122.07'	5°57'05"
C27	16.42'	22.57'	41°41'04"
C28	5.56'	5.00'	63°43'04"
C29	3.30'	5.00'	37°46'43"

CURVE	LENGTH	RADIUS	DELTA
C30	22.00'	16.09'	78°20'23"
C31	5.25'	45.60'	6°35'31"
C32	15.38'	19.26'	45°45'13"
C33	13.20'	54.34'	13°54'52"
C34	44.87'	44.36'	57°57'41"
C35	6.08'	46.87'	7°26'04"
C36	70.27'	120.30'	33°28'06"

CURVE	LENGTH	RADIUS	DELTA
C37	22.00'	16.09'	78°20'23"
C38	5.25'	45.60'	6°35'31"
C39	15.38'	19.26'	45°45'13"
C40	13.20'	54.34'	13°54'52"
C41	44.87'	44.36'	57°57'41"
C42	6.08'	46.87'	7°26'04"
C43	70.27'	120.30'	33°28'06"



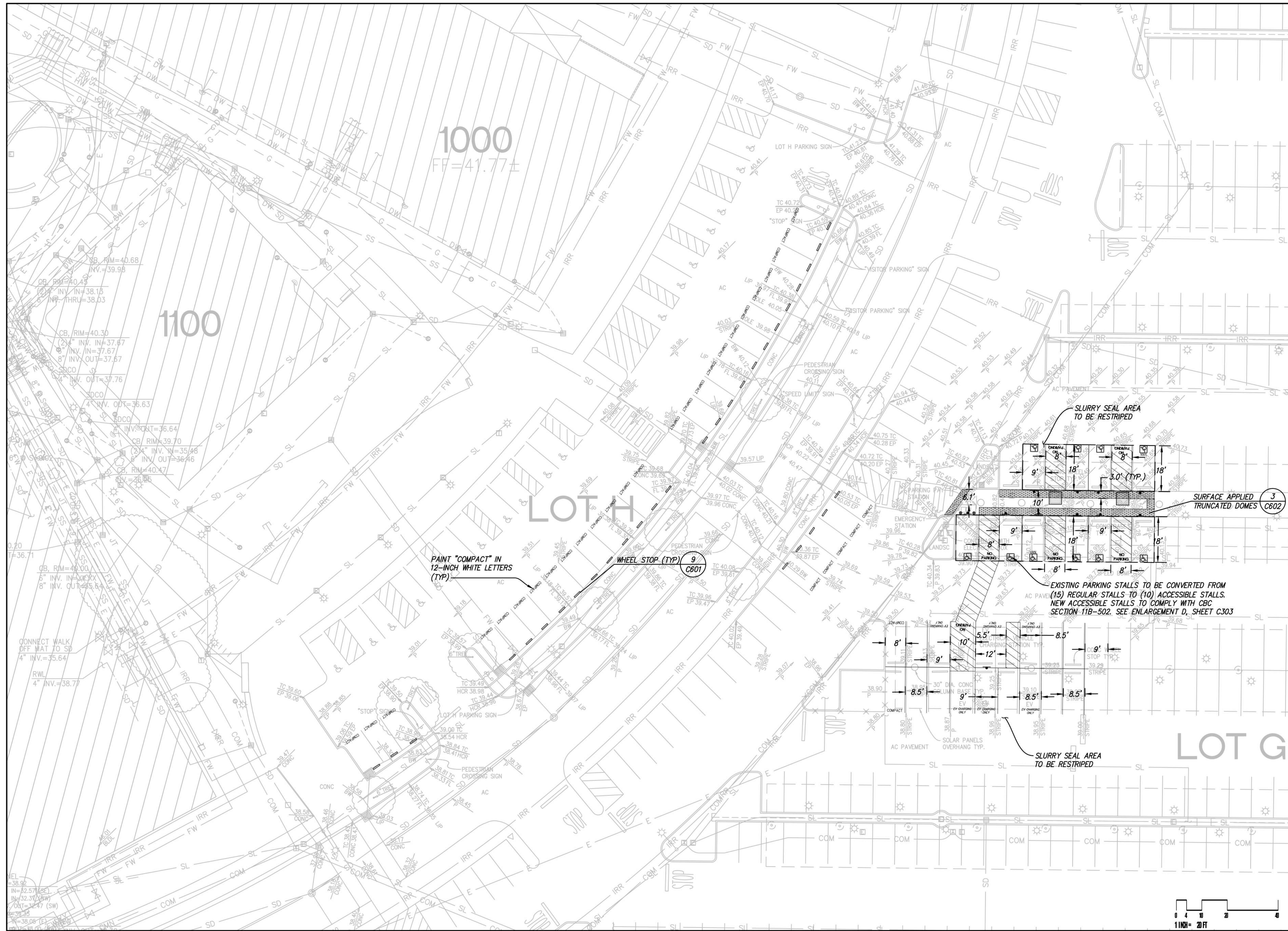
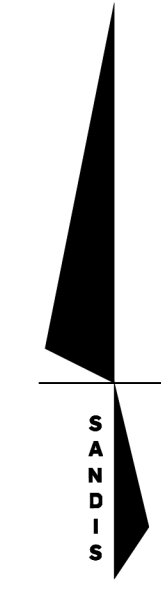
**SANDIS**  
BUDON  
PROJECT No: 618201.A

DATE: 8/18/2021  
SCALE: 1"=20'  
DATE: 07/12, 2022  
MICHAEL A. KUYKENDALL  
R.C.E. NO. 70870, EXPIRES 6-30-23

No.	REVISION	DATE	BY
1	DSA SUBMITTAL	8/18/2021	
2	DSA RESUBMITTAL	3/02/2022	
3	DSA RESUBMITTAL	6/17/2022	
4	DSA RESUBMITTAL	7/12/2022	

CHABOT COLLEGE  
PATHWAY AND  
PARKING LOT IMPROVEMENTS  
CALIFORNIA

SITE, HORIZONTAL CONTROL, AND STRIPING PLAN  
SHEET C201



**SITE LEGEND**

- PROPERTY LINE
- SAWCUT LINE
- AC PAVEMENT
- DEEP LIFT
- CONCRETE SIDEWALK 2  
CB01
- PLANTING

**PARKING LOTS H & G VICINITY**  
 SCALE: 1"=20'

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DATE: 8/18/2021  
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 PROJECT No.: 618201.A  
 DATE: 07/12, 2022  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23



No.	REVISION	DATE	BY
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	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

**SITE, HORIZONTAL CONTROL, AND  
 STRIPING PLAN**

SHEET  
**C202**

**SITE LEGEND**

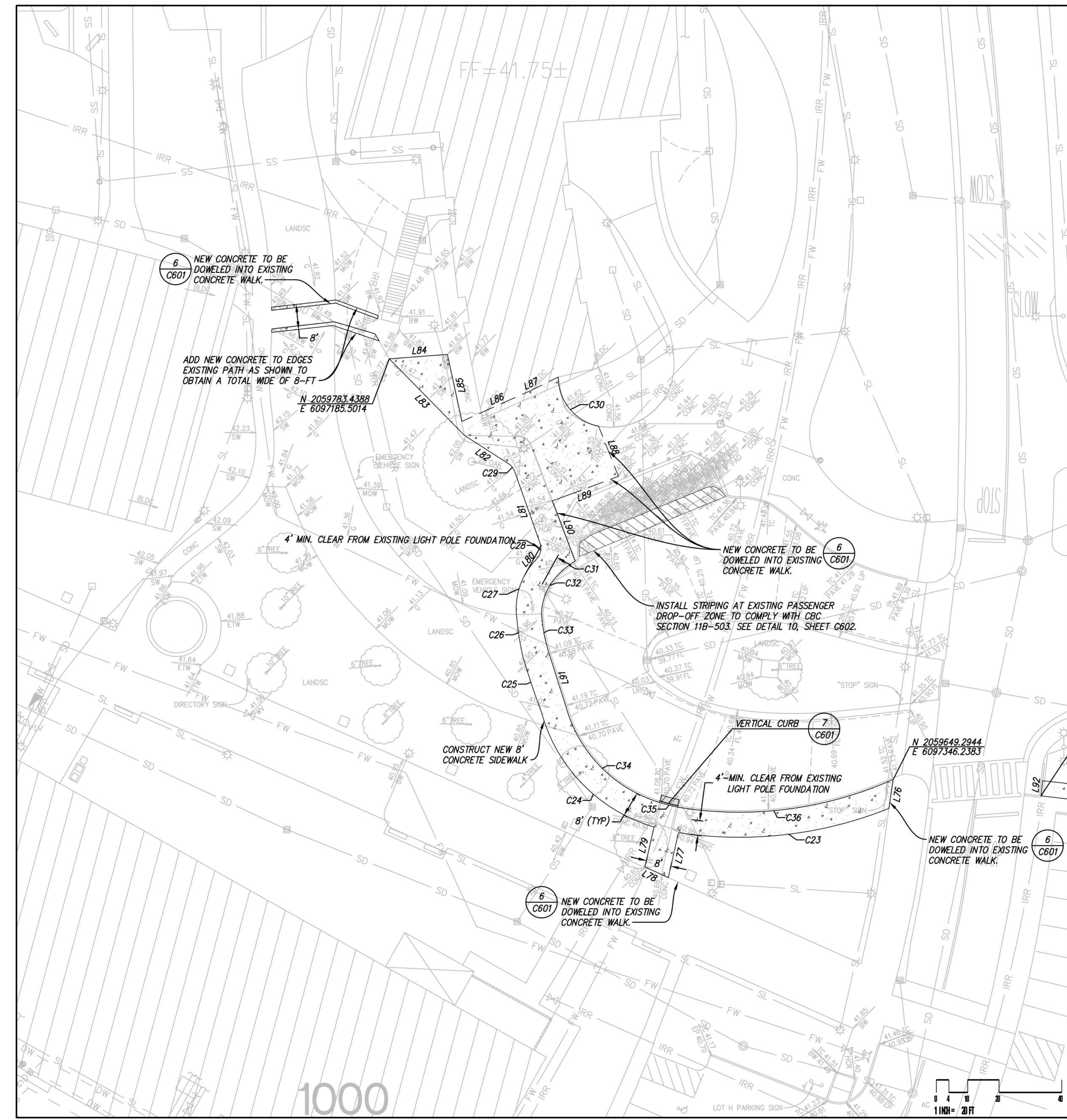
- PROPERTY LINE
- SAWCUT LINE
- AC PAVEMENT
- DEEP LIFT
- CONCRETE SIDEWALK (2 C601)
- PLANTING

**SHEET NOTES**

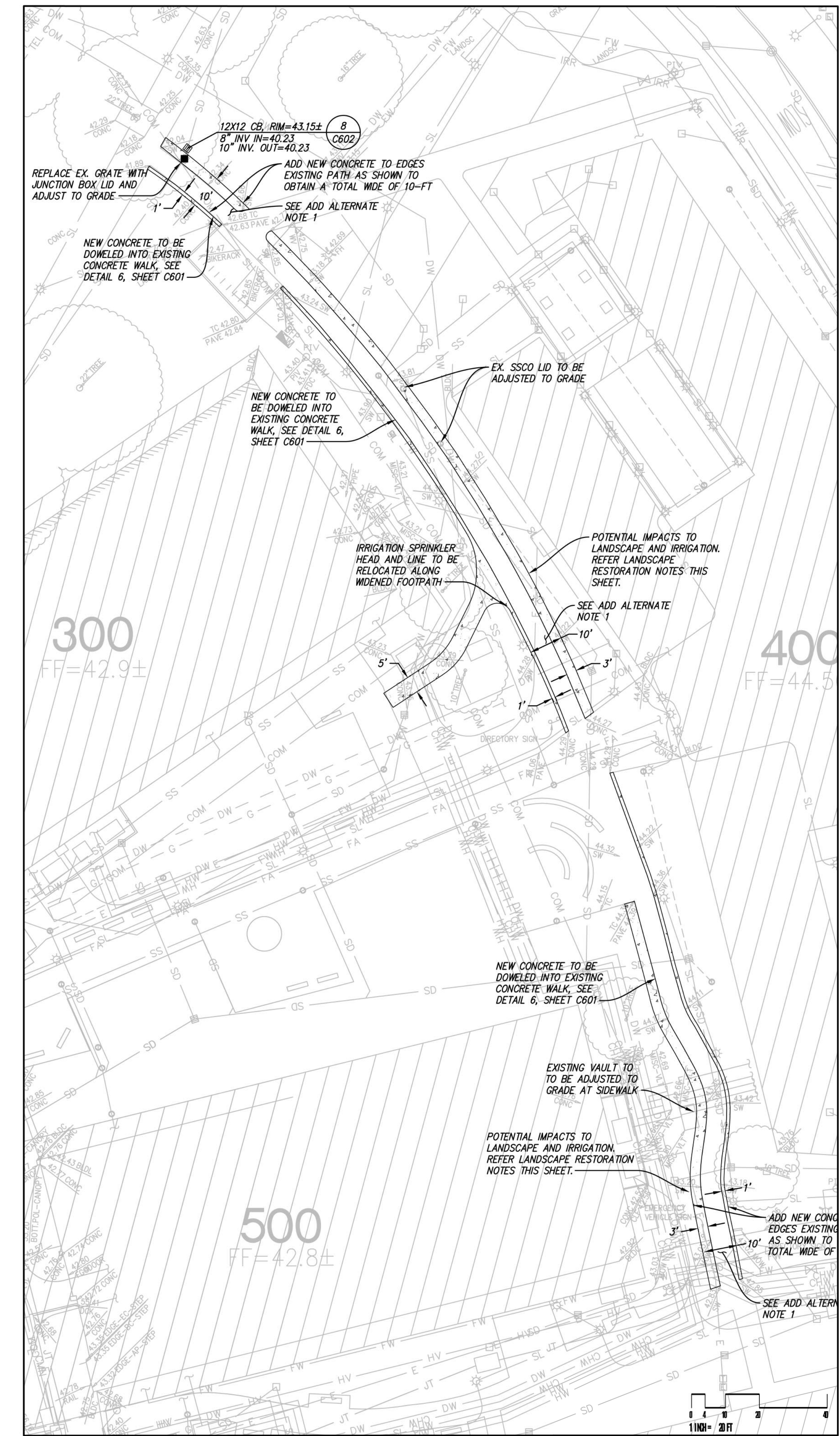
- LANDSCAPE RESTORATION**
- THE CONTRACTOR IS RESPONSIBLE FOR RESTORING LANDSCAPING AND IRRIGATION SYSTEMS TO THEIR ORIGINAL FUNCTIONING CONDITION WHERE DISTURBED BY THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE:
- REVIEW AREAS OF WORK AND CONFIRM LOCATION OF IRRIGATION SYSTEM WITH CAMPUS FACILITIES STAFF
  - RELOCATE/ADJUST IRRIGATION PIPING AND SPRINKLER HEADS AS NECESSARY TO ACCOMMODATE THE WORK AND PREVENT OVERSPRAY ONTO NEW HARDSCAPE
  - COMPONENTS AND MATERIALS SHALL BE CONSISTENT WITH EXISTING SYSTEMS
  - PROVIDE AS-BUILT DOCUMENTATION TO CAMPUS FACILITIES STAFF OF IRRIGATION SYSTEM
  - RESTORE PLANTING AND GROUND COVER IN KIND

**ADD ALTERNATE**

1. AS AN ADD ALTERNATE, INSTEAD OF INSTALLING THE 1' WIDE AND 3' WIDE EDGE ADDITIONS, CONTRACTOR SHALL DEMOLISH THE EXISTING PATH IN ITS ENTIRETY AND FOUR NEW 10' WIDE CONCRETE PATH



**BUILDING 700 VICINITY**  
 SCALE: 1"=20'



**BUILDING 400 VICINITY**  
 SCALE: 1"=20'

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DATE: 8/18/2021	DATE: 07/12, 2022	
SCALE: 1"=20'		
PROJECT No.: 618201.A	MICHAEL A. KUYKENDALL R.C.E. NO. 70870, EXPIRES 6-30-23	

No.	REVISION	DATE	BY
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	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

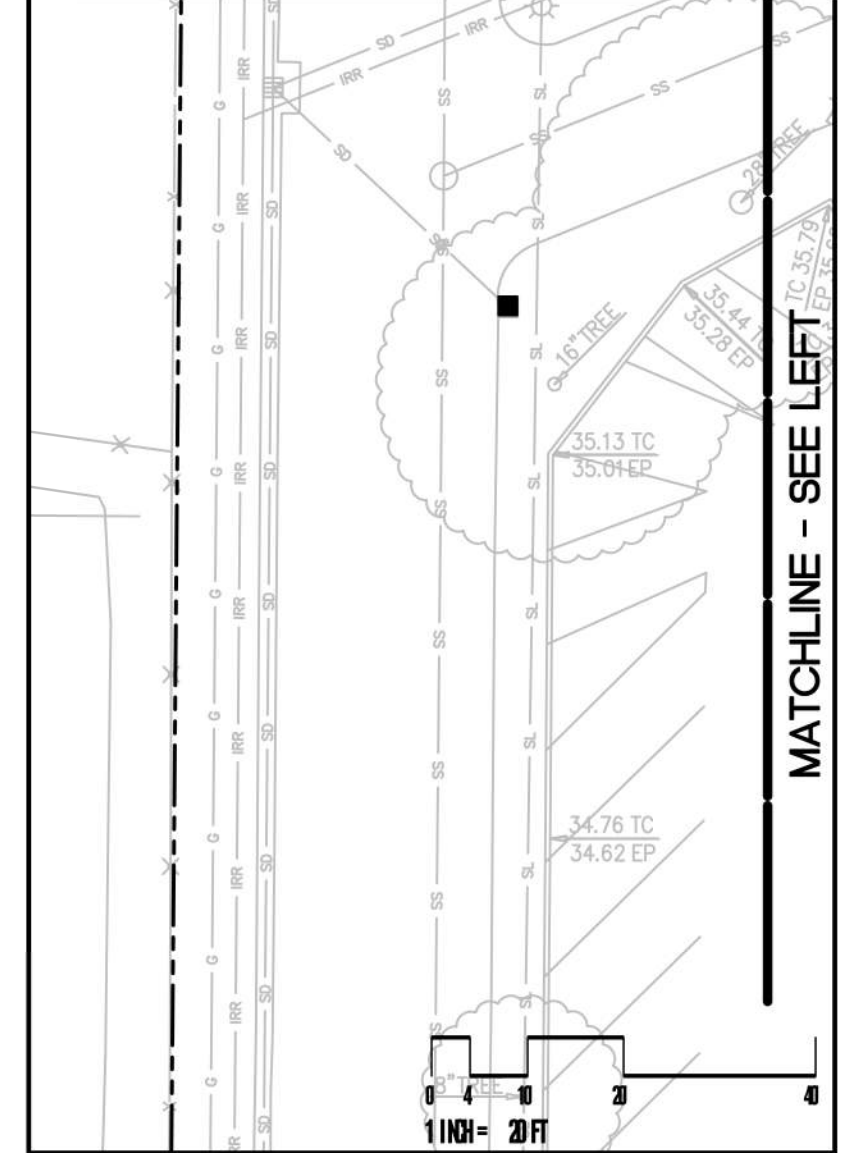
**SITE, HORIZONTAL CONTROL, AND STRIPING PLAN**

SHEET  
**C203**

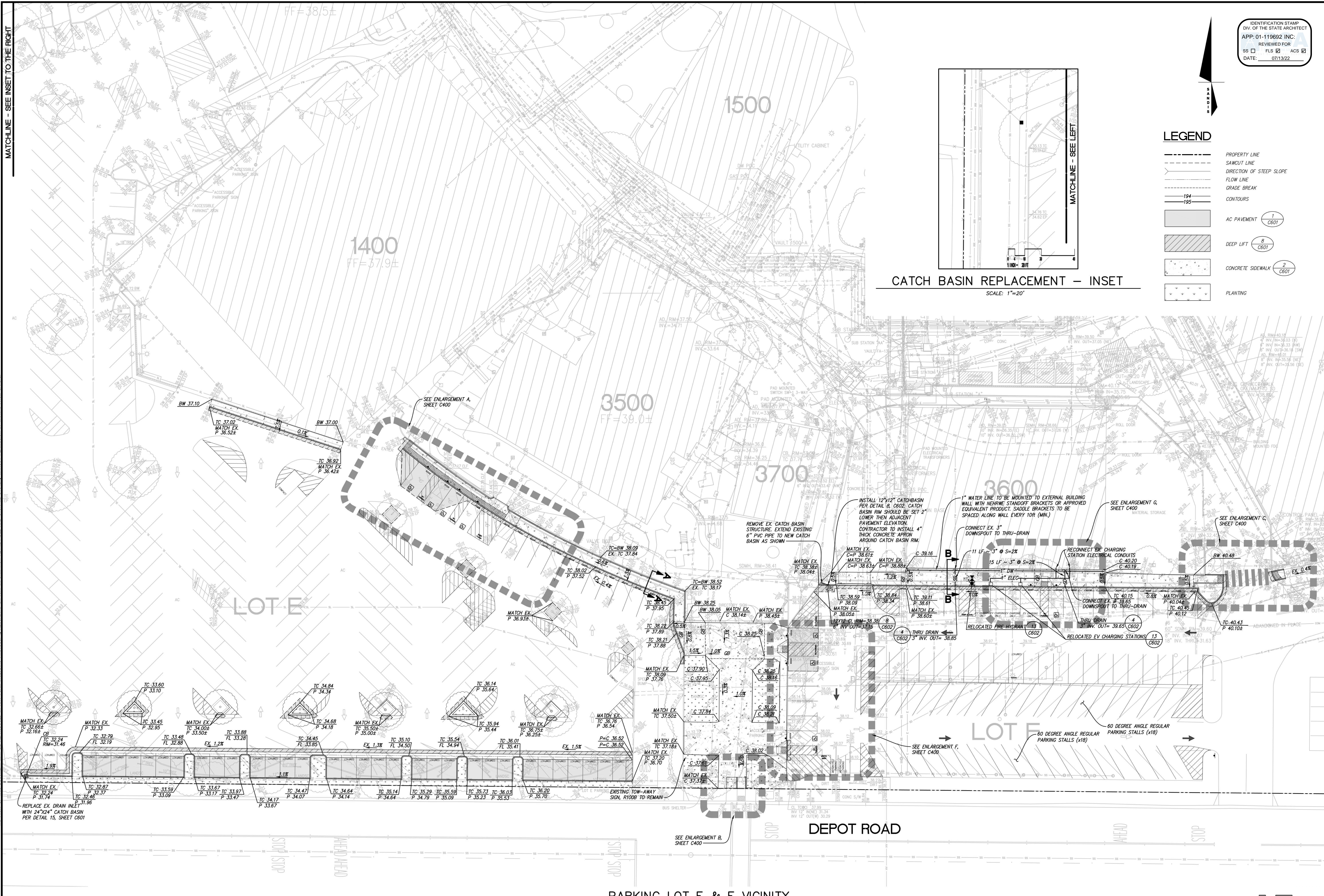


**LEGEND**

- PROPERTY LINE
- SAWCUT LINE
- DIRECTION OF STEEP SLOPE
- FLOW LINE
- GRADE BREAK
- CONTOURS
- AC PAVEMENT (1) C601
- DEEP LIFT (8) C601
- CONCRETE SIDEWALK (2) C601
- PLANTING



CATCH BASIN REPLACEMENT – INSET  
 SCALE: 1"=20'



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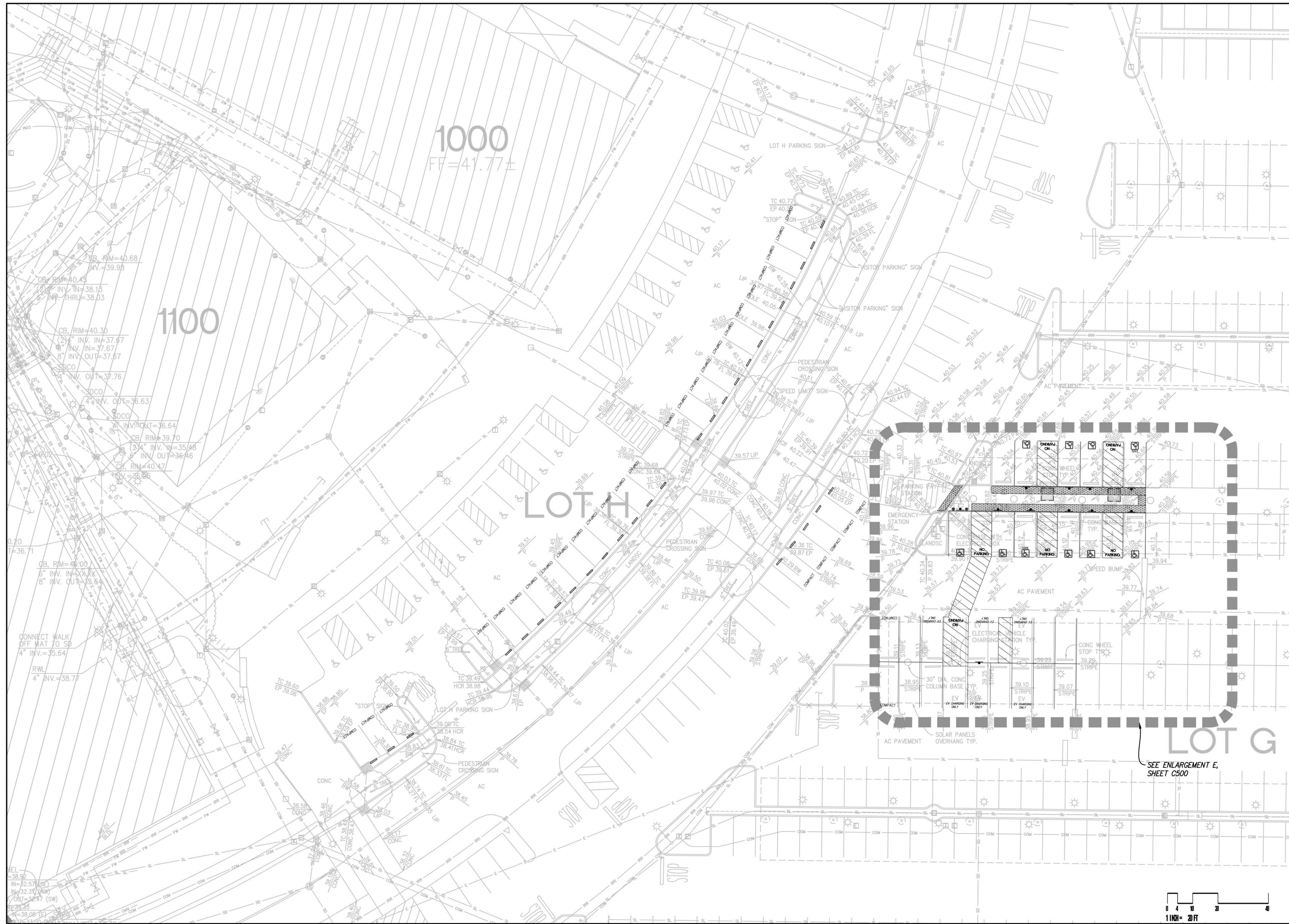
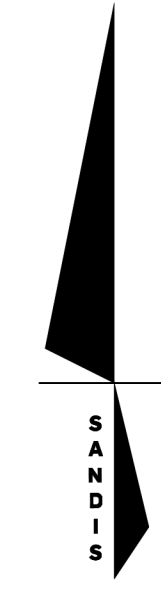
**SANDIS**  
 BUDON  
 SHEET

DATE: 8/18/2021  
 SCALE: 1"=20'  
 DATE: 07/12, 2022  
 PROJECT No.: 618201.A  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS  
 CALIFORNIA

GRADING & UTILITY PLAN  
 SHEET  
**C301**



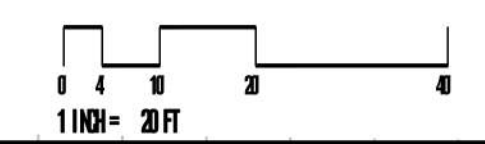
**LEGEND**

- PROPERTY LINE
- - - SAWCUT LINE
- DIRECTION OF STEEP SLOPE
- FLOW LINE
- GRADE BREAK
- 194 --- 195 --- CONTOURS
- AC PAVEMENT (1) CB01
- DEEP LIFT (8) CB01
- CONCRETE SIDEWALK (2) CB01
- PLANTING

**SHEET NOTES**

- DEMOLITION AND GRADING WORKS WITHIN CANOPY OF EXISTING OAK TREE SHALL COMPLY WITH THE FOLLOWING:  
 DEMOLITION: CONTRACTOR SHALL USE HAND TOOLS, HAND HELD JACK HAMMERS AND WHEEL BARROWS FOR DEMOLITION. TRACKED OR WHEELED VEHICLES SHALL NOT BE USED.  
 GRADING: CONTRACTOR SHALL EXCAVATE USING HAND TOOLS OR AN AIR SPADE TO PROPOSED ELEVATIONS. CONTRACTOR TO PRUNE EXPOSED ROOTS WITH A SAWZALL OR HAND SAW. CONTRACTOR TO COORDINATE WITH DISTRICT REPRESENTATIVE IF THERE IS EXCESSIVE ROOT MASS. CONTRACTOR TO COVER EXPOSED ROOTS WITH WET BURLAP UNTIL EXPOSED ROOTS CANNOT BE LEFT UNCOVERED.  
 COMPACTION: CONTRACTOR DOES NOT NEED TO SCARIFY SUBGRADE WITHIN THE OAK TREE CANOPY. SUBGRADE WITHIN THIS AREA SHOULD BE HAND-TAMPED AND INSPECTED BY THE DISTRICT REPRESENTATIVE FOR SUITABILITY. ONCE APPROVED, CONTRACTOR SHOULD PLACE 6" BASECOURSE LAYER USING HAND TOOLS ONLY, TO MEET 95% COMPACTION REQUIREMENTS.

**PARKING LOT H & G VICINITY**  
 SCALE: 1"=20'



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DATE: 8/18/2021  
 SCALE: 1"=20'  
 PROJECT No.: 618201.A  
 DATE: 07/12, 2022  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23



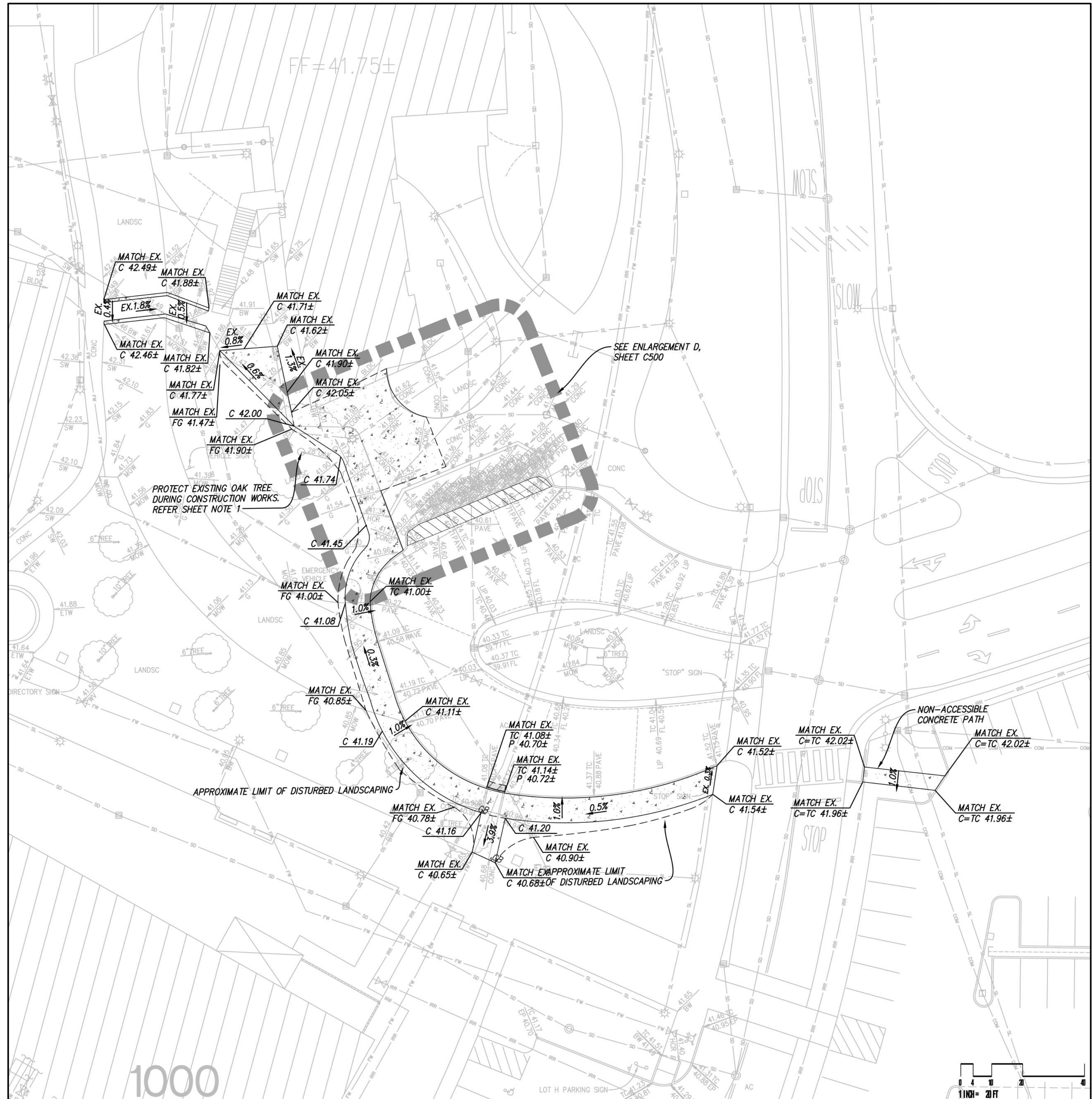
No.	REVISION	DATE	BY
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	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

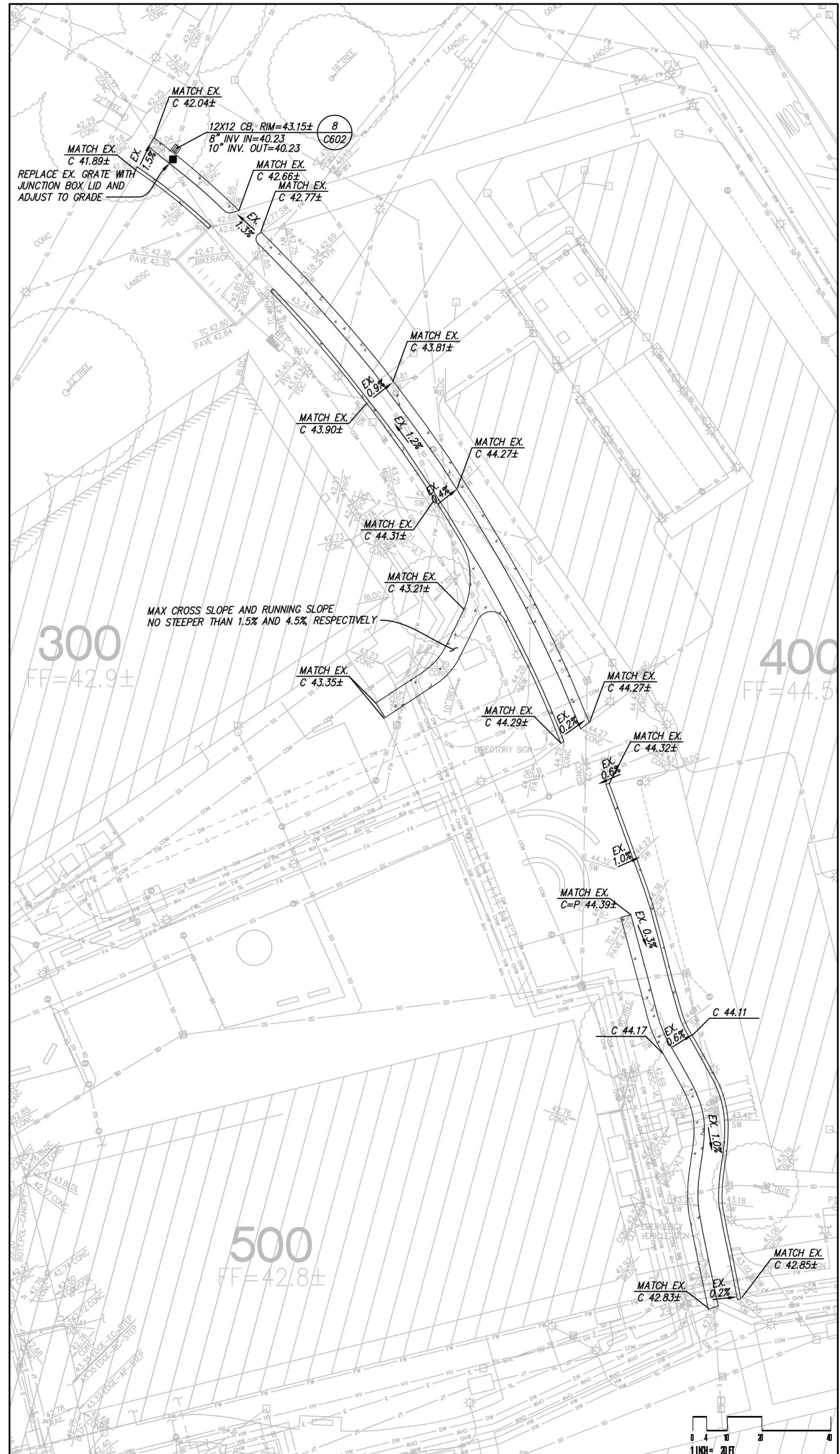
**GRADING & UTILITY PLAN**

SHEET  
**C302**



**BUILDING 700 VICINITY**

SCALE: 1"=20'



**BUILDING 400 VICINITY**

SCALE: 1"=20'

**LEGEND**

- PROPERTY LINE
- SAWCUT LINE
- DIRECTION OF STEEP SLOPE
- FLOW LINE
- GRADE BREAK
- CONTOURS
- AC PAVEMENT (1) CB01
- DEEP LIFT (8) CB01
- CONCRETE SIDEWALK (2) CB01
- PLANTING

**SHEET NOTES**

1. DEMOLITION AND GRADING WORKS WITHIN CANOPY OF EXISTING OAK TREE SHALL COMPLY WITH THE FOLLOWING:  
 DEMOLITION: CONTRACTOR SHALL USE HAND TOOLS, HAND HELD JACK HAMMERS AND WHEEL BARROWS FOR DEMOLITION. TRACKED OR WHEELED VEHICLES SHALL NOT BE USED.  
 GRADING: CONTRACTOR SHALL EXCAVATE USING HAND TOOLS OR AN AIR SPADE TO PROPOSED ELEVATIONS. CONTRACTOR TO PRUNE EXPOSED ROOTS WITH A SAWZALL OR HAND SAW. CONTRACTOR TO COORDINATE WITH DISTRICT REPRESENTATIVE IF THERE IS EXCESSIVE ROOT MASS. CONTRACTOR TO COVER EXPOSED ROOTS WITH WET BURLAP UNTIL EXPOSED ROOTS CANNOT BE LEFT UNCOVERED.  
 COMPACTION: CONTRACTOR DOES NOT NEED TO SCARIFY SUBGRADE WITHIN THE OAK TREE CANOPY. SUBGRADE WITHIN THIS AREA SHOULD BE HAND-TAMPED AND INSPECTED BY THE DISTRICT REPRESENTATIVE FOR SUITABILITY. ONCE APPROVED, CONTRACTOR SHOULD PLACE 6" BASECOURSE LAYER USING HAND TOOLS ONLY, TO MEET 95% COMPACTION REQUIREMENTS.

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 SCALE: 1"=20'  
 DATE: 07/12, 2022  
 PROJECT No.: 618201.A  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

SEAL: MICHAEL A. KUYKENDALL  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 70870  
 Exp. 6/30/23  
 CIVIL  
 STATE OF CALIFORNIA

No.	REVISION	DATE	BY
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	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

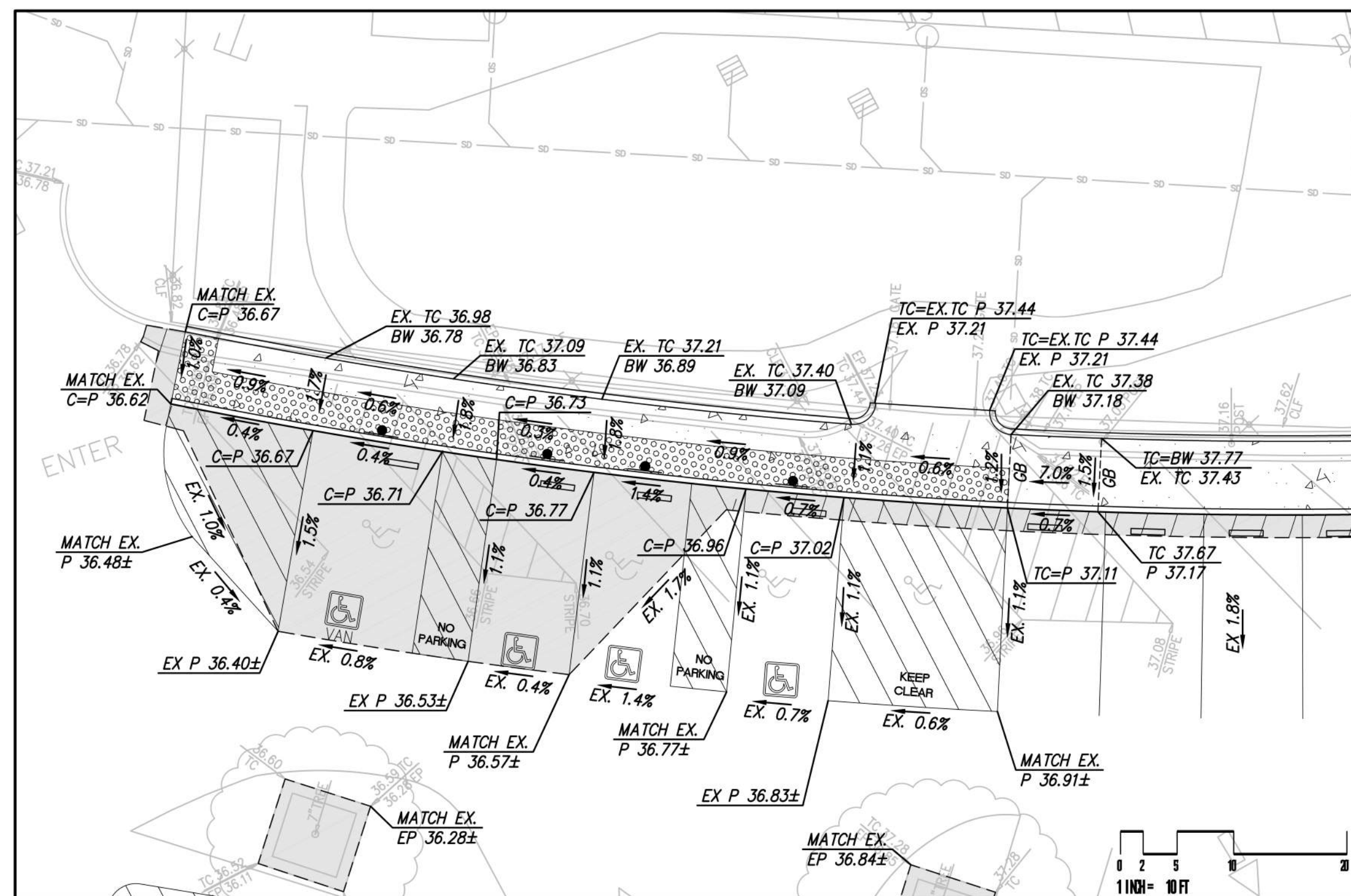
**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

**GRADING & UTILITY PLAN**

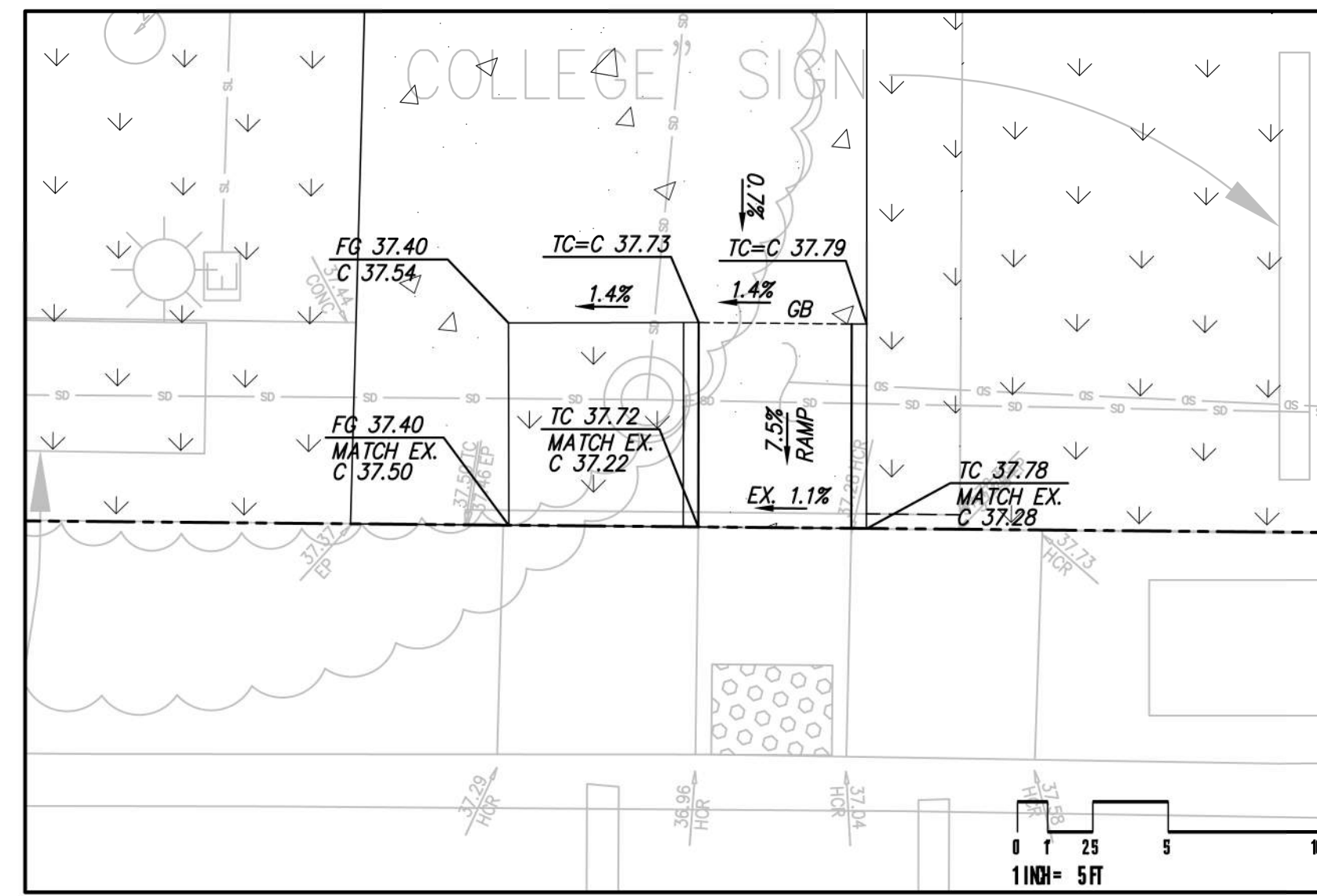
SHEET  
**C303**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 01-119692 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 07/13/22



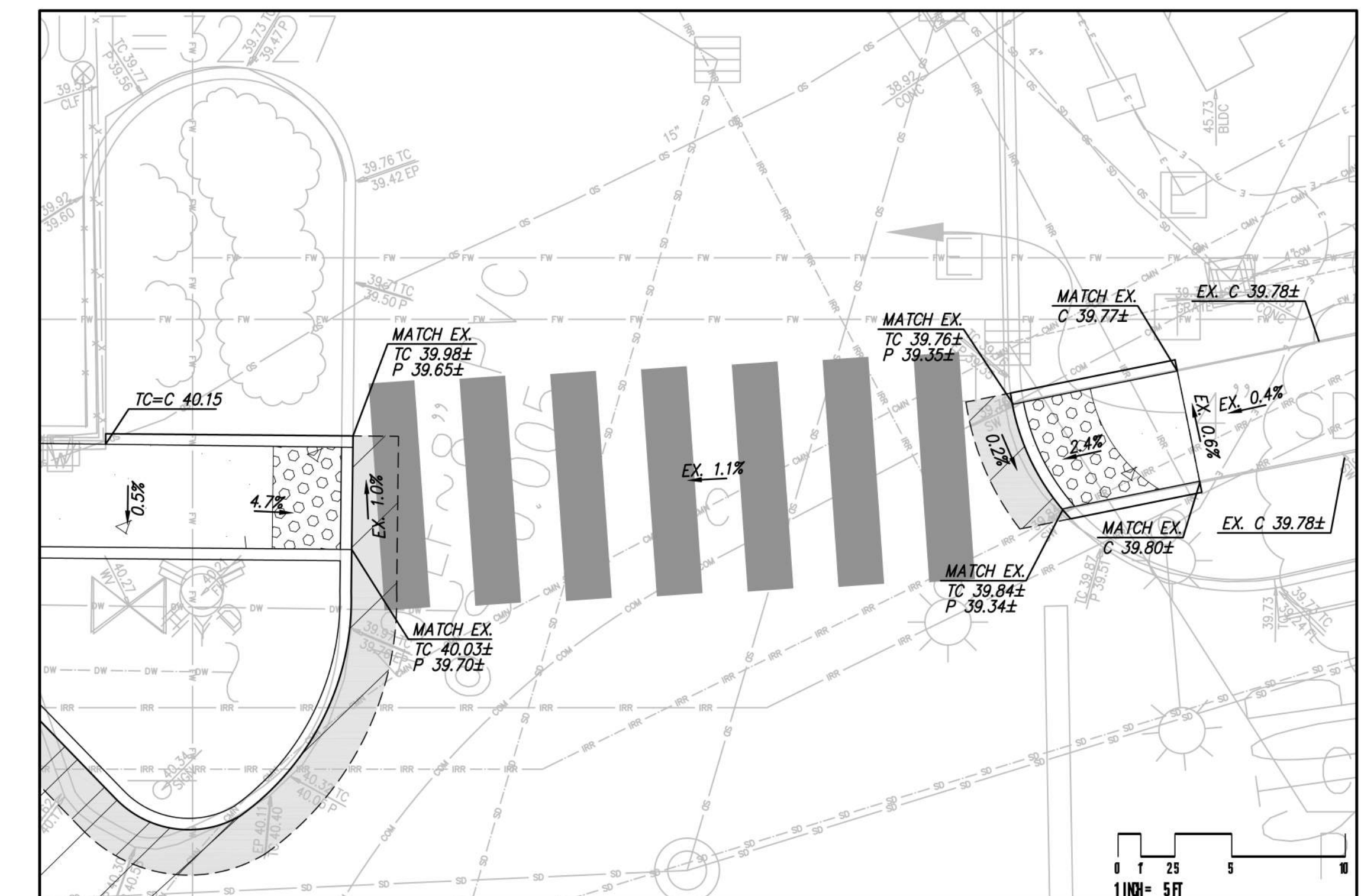
PARKING LOT E ACCESSIBLE STALL RESTORATION - ENLARGEMENT A

SCALE: 1"=10'



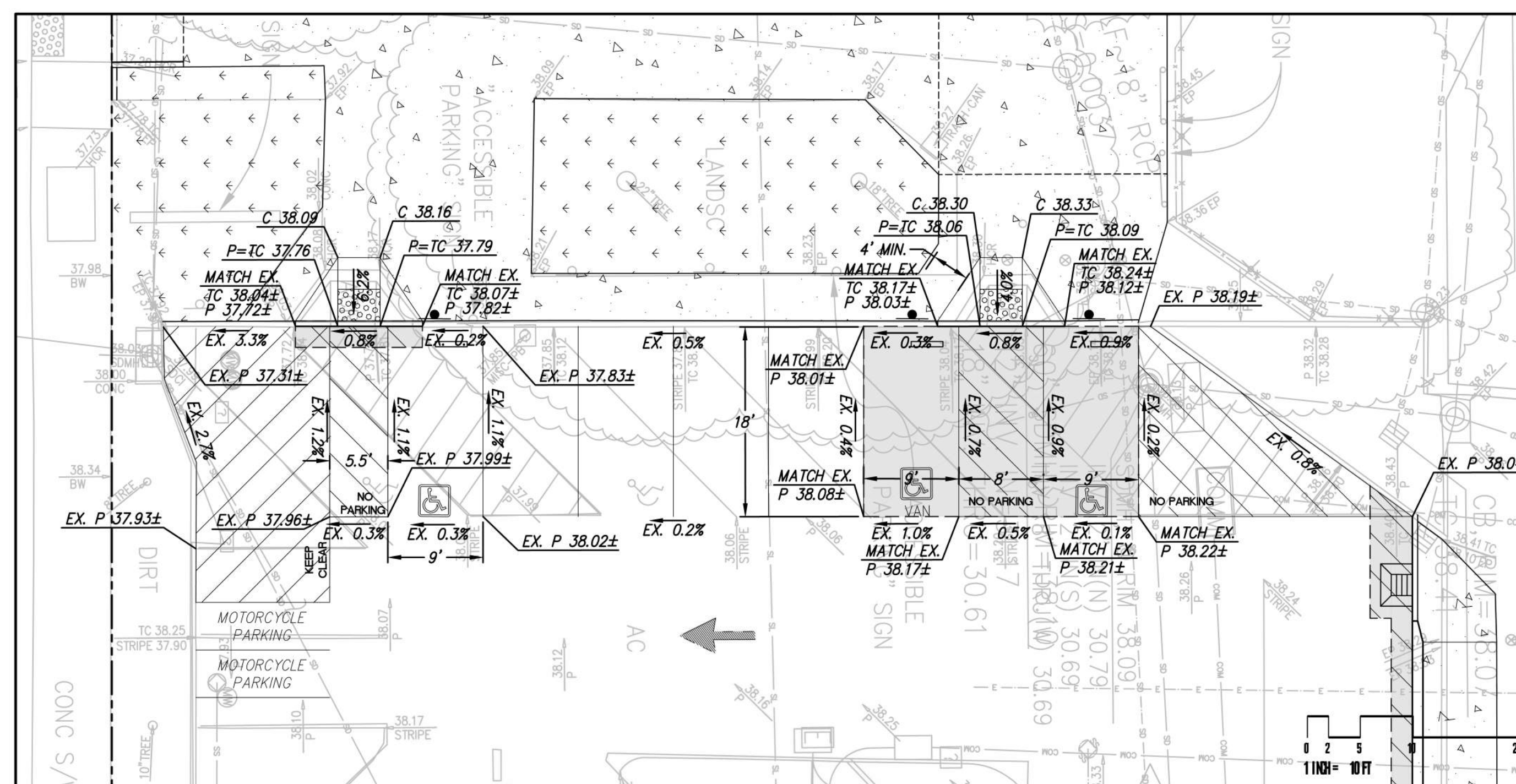
CURB RAMP - ENLARGEMENT B

SCALE: 1"=5'



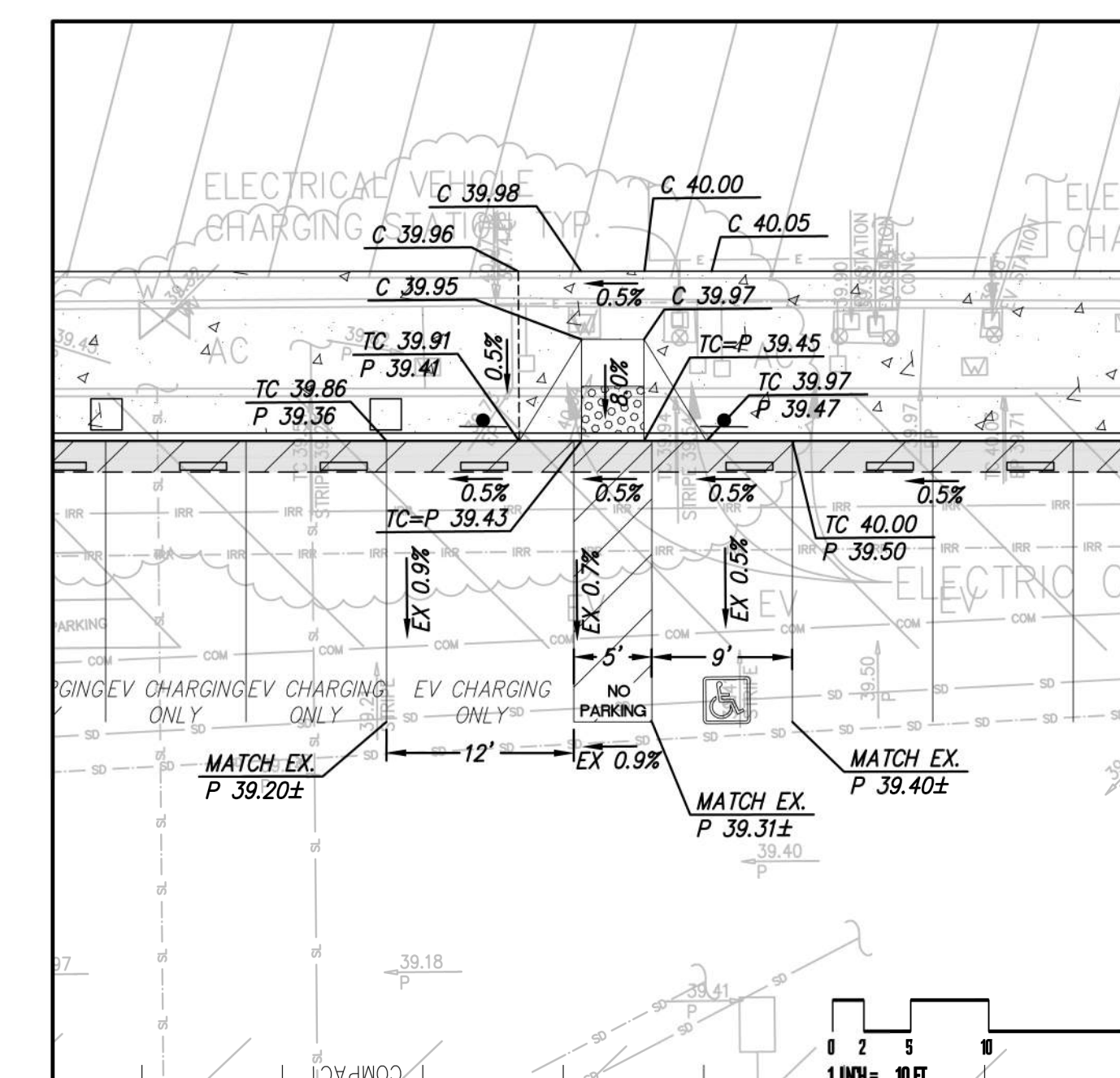
CURB RAMP - ENLARGEMENT C

SCALE: 1"=5'



ACCESSIBLE PARKING - ENLARGEMENT F

SCALE: 1"=10'



ACCESSIBLE PARKING - ENLARGEMENT G

SCALE: 1"=10'



BUDON  
ENGINEER

DATE: 8/18/2021  
SCALE: 1"=20'

PROJECT No:  
618201.A

DATE: 07/12, 2022

MICHAEL A. KUYKENDALL  
R.C.E. NO. 70870, EXPIRES 6-30-23



SEAL:

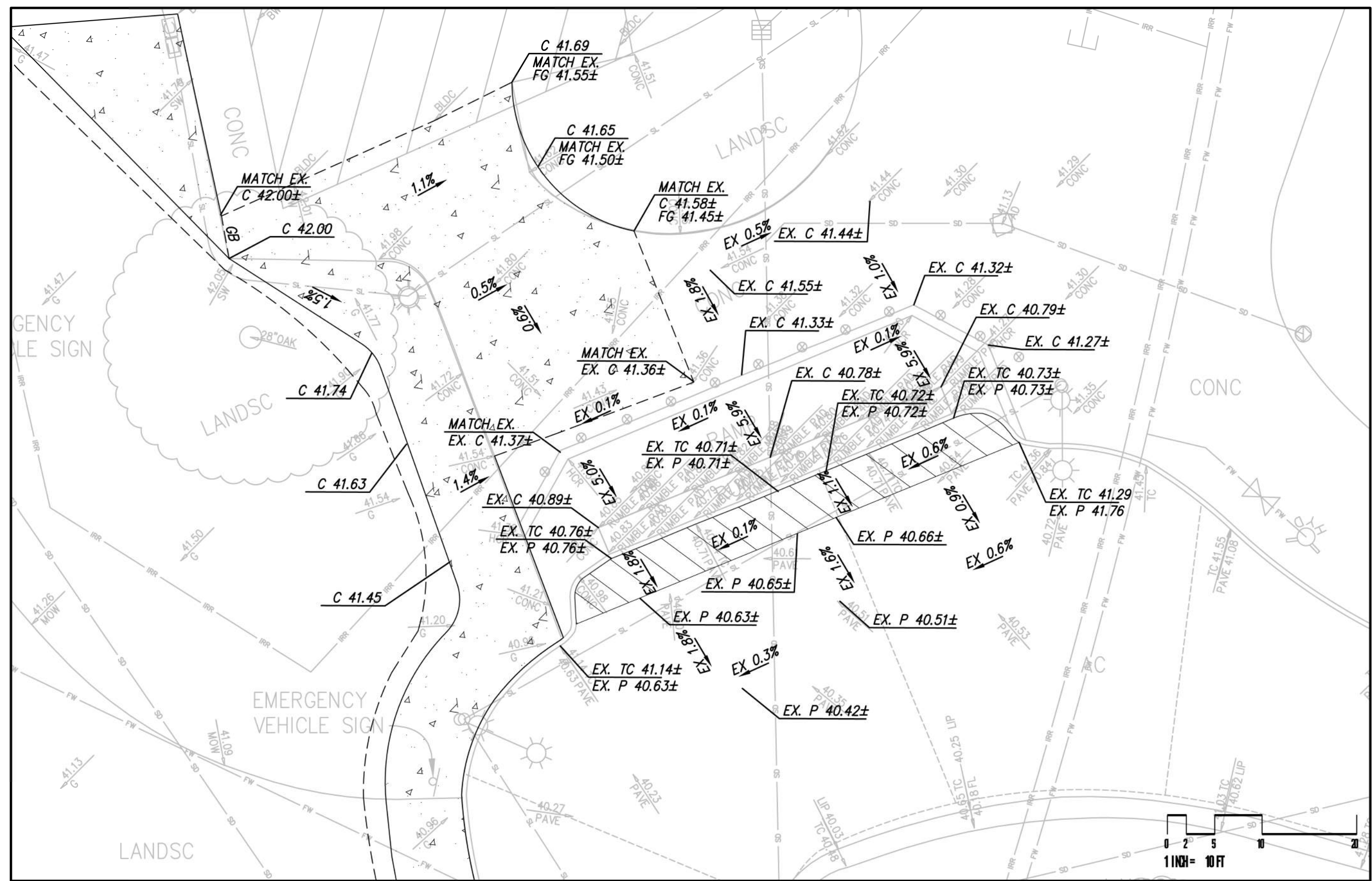
No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

CHABOT COLLEGE  
PATHWAY AND  
PARKING LOT IMPROVEMENTS  
CALIFORNIA

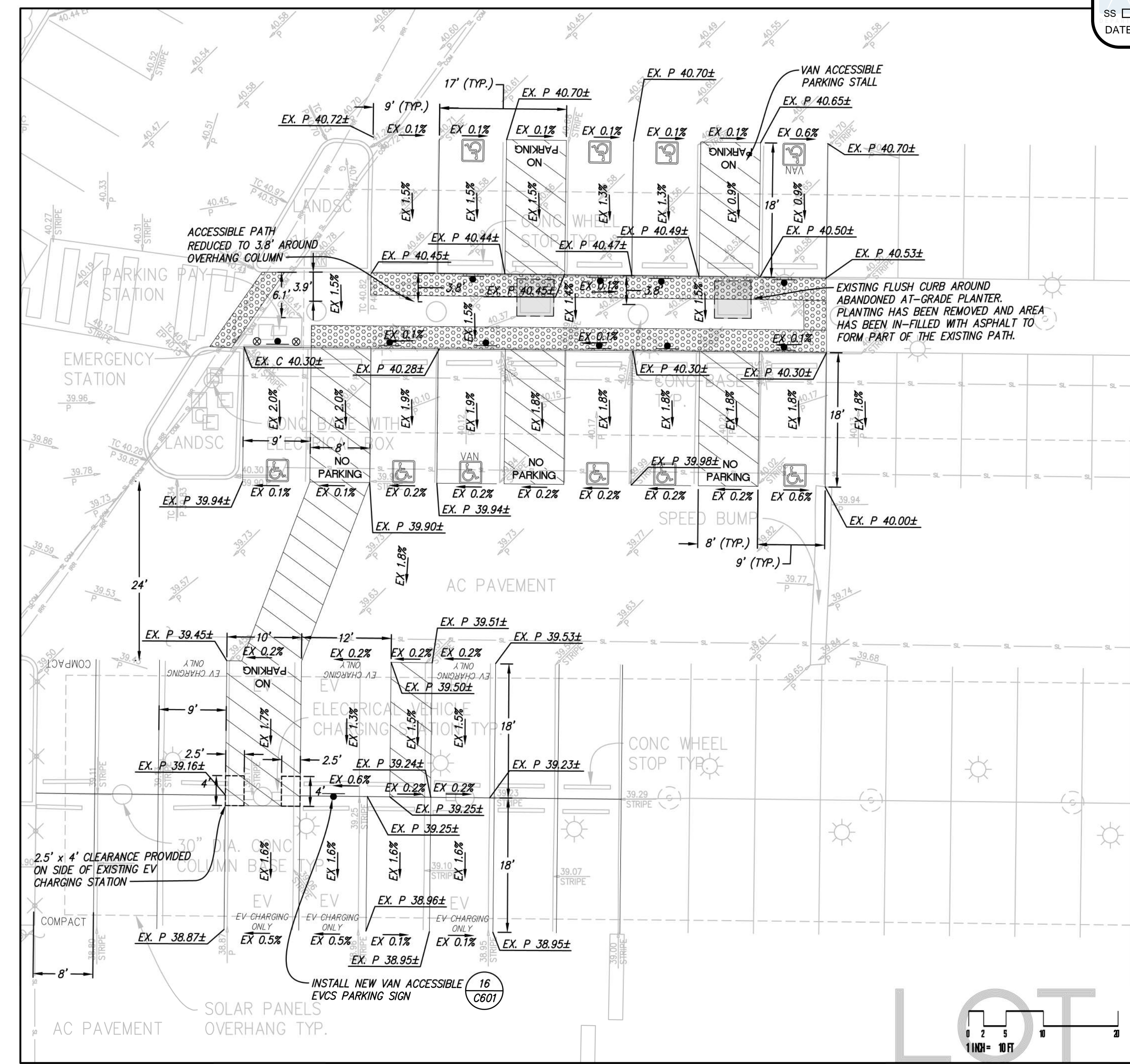
GRADING ENLARGEMENTS

SHEET

C400



ACCESSIBLE DROPOFF — ENLARGEMENT D  
 SCALE: 1"=10'



PARKING LOT G ACCESSIBLE STALL CONVERSION — ENLARGEMENT E  
 SCALE: 1"=10'

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DATE: 8/18/2021  
 SCALE: 1"=20'  
 DATE: 07/12, 2022  
 PROJECT No.: 618201.A  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS  
 CALIFORNIA

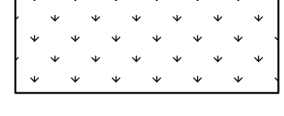



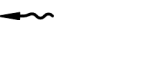
GRADING ENLARGEMENTS

SHEET  
**C500**





**STORMWATER  
 MANAGEMENT PLAN LEGEND**

-  PROPOSED PERVIOUS AREA
-  PROPOSED IMPERVIOUS AREA
-  PAVEMENT RESURFACING WITHIN EXISTING IMPROVEMENTS EXEMPT FROM TREATMENT
-  DRAINAGE AREA BOUNDARY
-  FLOW DIRECTION

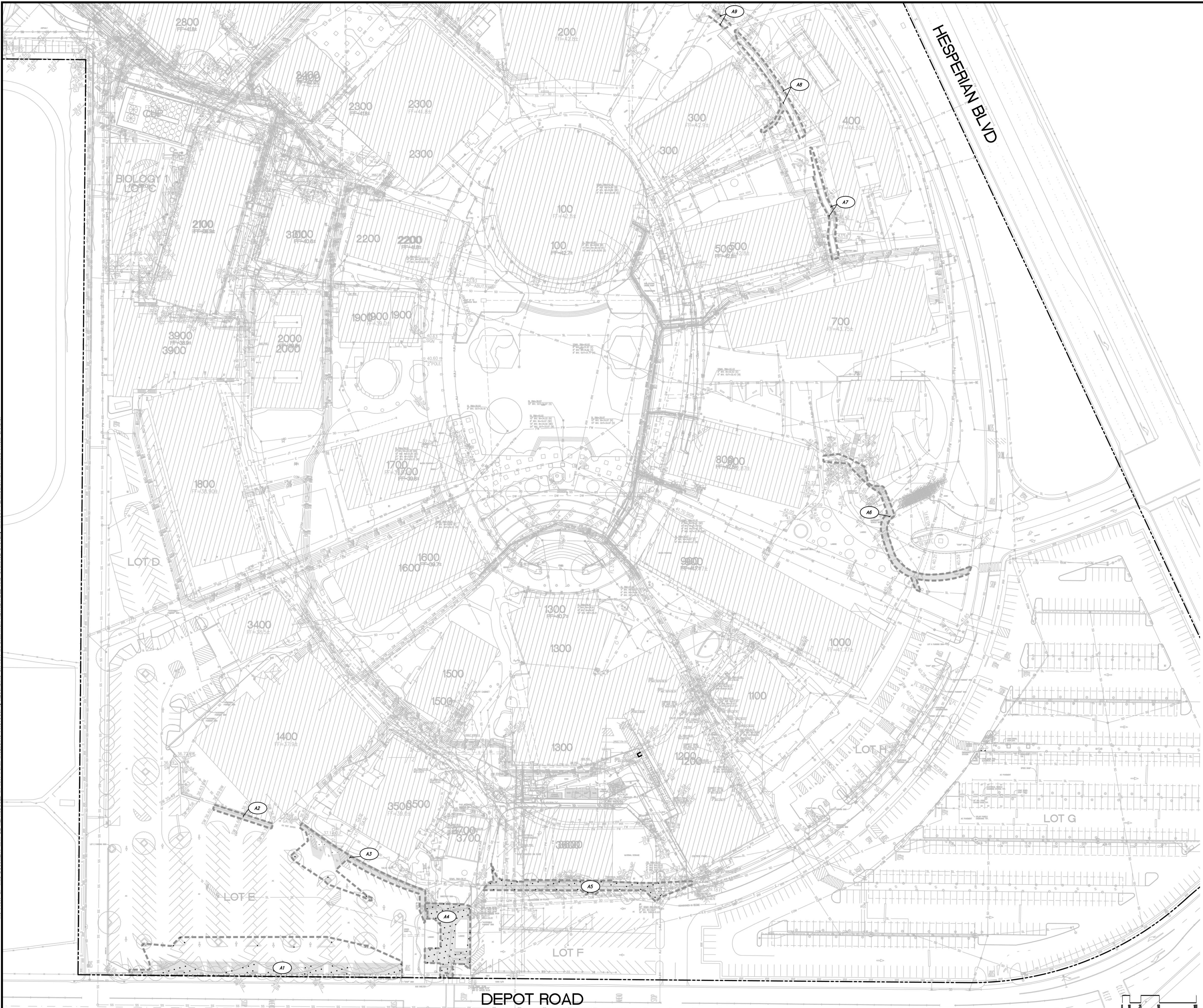
**SITE TREATMENT AREA NOTE:**

THIS PROJECT IS NOT CREATING NOR REPLACING >10,000 SF OF IMPERVIOUS AREA AND THEREFORE IS CONSIDERED EXEMPT FROM STORMWATER TREATMENT REQUIREMENTS.

**AREA SUMMARY TABLE\***

AREA ID	CREATED AND/OR REPLACED IMPERVIOUS AREA (SF)
A1	1823
A2	416
A3	2151
A4	41
A5	1122
A6	2335
A7	512
A8	977
A9	121
TOTAL IMPERVIOUS AREA CREATED AND/OR REPLACED	9498

\*PAVEMENT RESURFACING AREA IS NOT INCLUDED IN THIS SUMMARY TABLE AREA CALCULATION. PER CHAPTER 2, TABLE 2-1 IN THE ALAMEDA COUNTYWIDE CLEAN WATER PROGRAM GUIDELINES MANUAL, PAVEMENT RESURFACING WITHIN THE EXISTING FOOTPRINT CAN BE EXCLUDED FROM REQUIREMENTS OF PROVISION C.3.



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**BUDON**  
 ENGINEER

DATE: 8/18/2021  
 SCALE: 1"=50'  
 DATE: 07/12, 2022  
 PROJECT No.: 618201.A  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

SEAL:  
 REGISTERED PROFESSIONAL ENGINEER  
 MICHAEL A. KUYKENDALL  
 No. 70870  
 Exp. 6/30/23  
 CIVIL  
 STATE OF CALIFORNIA

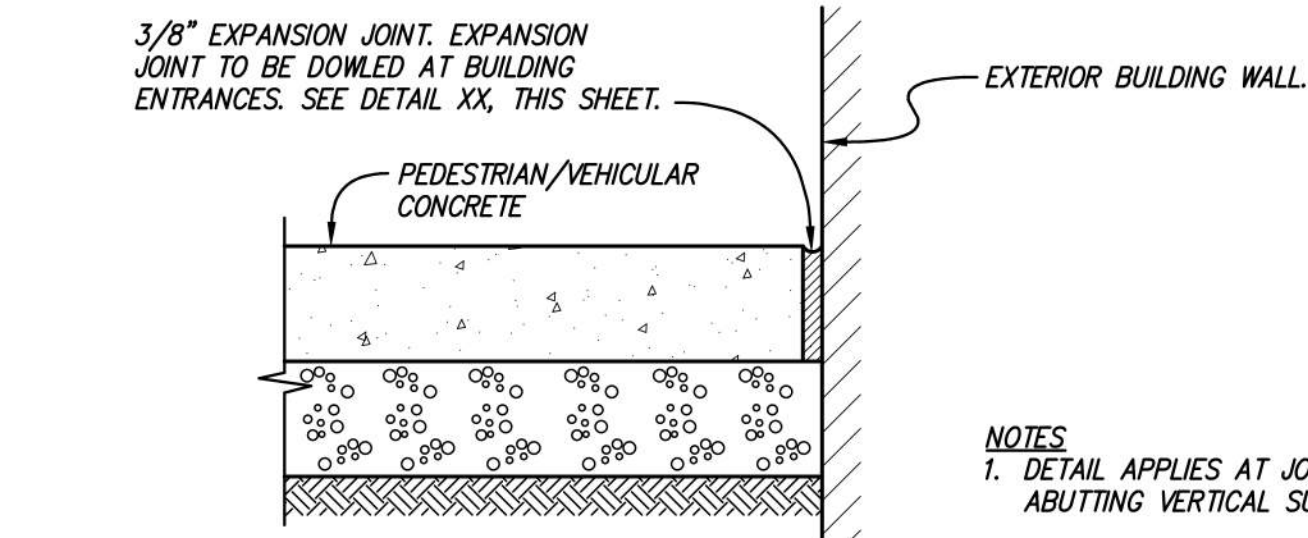
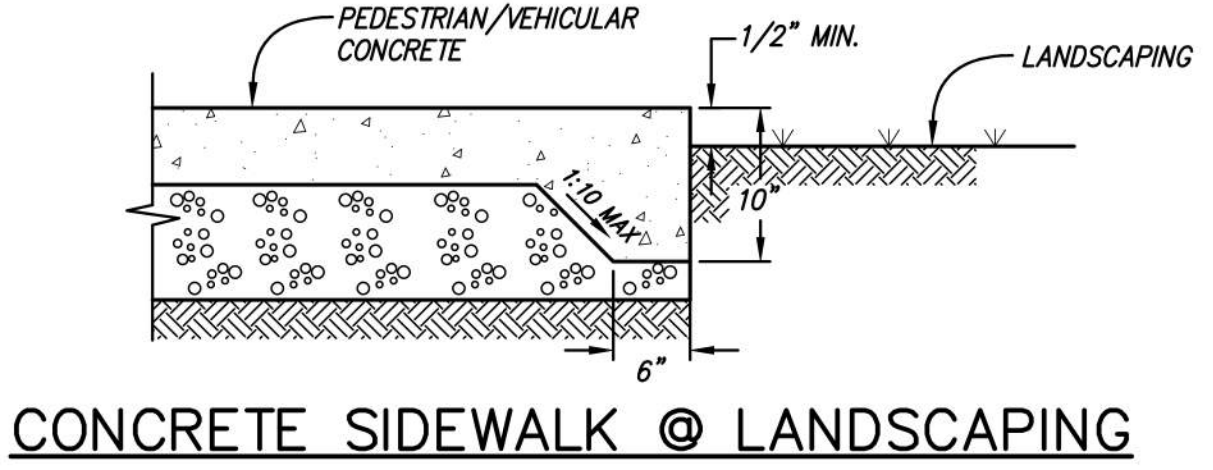
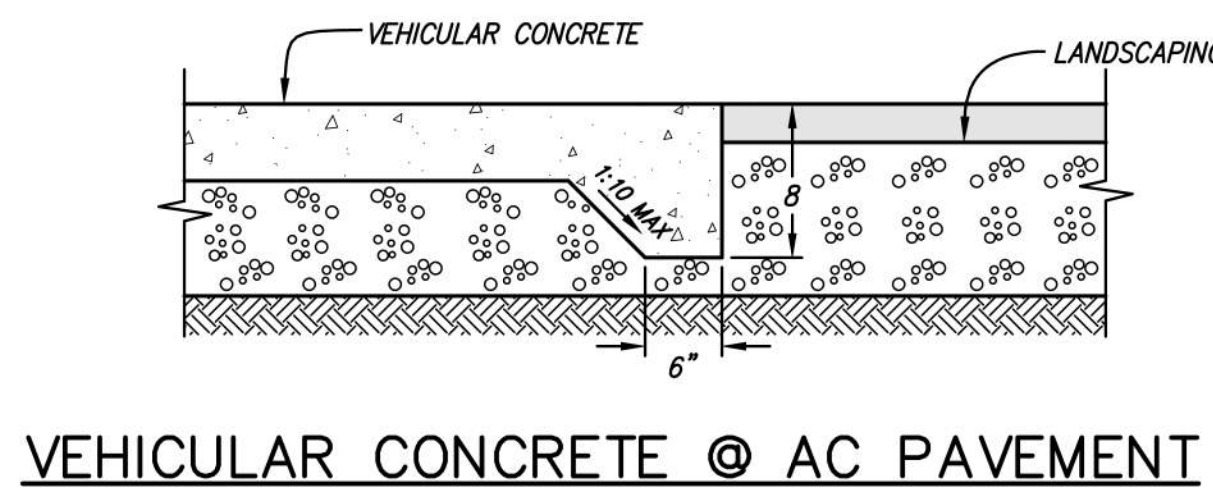
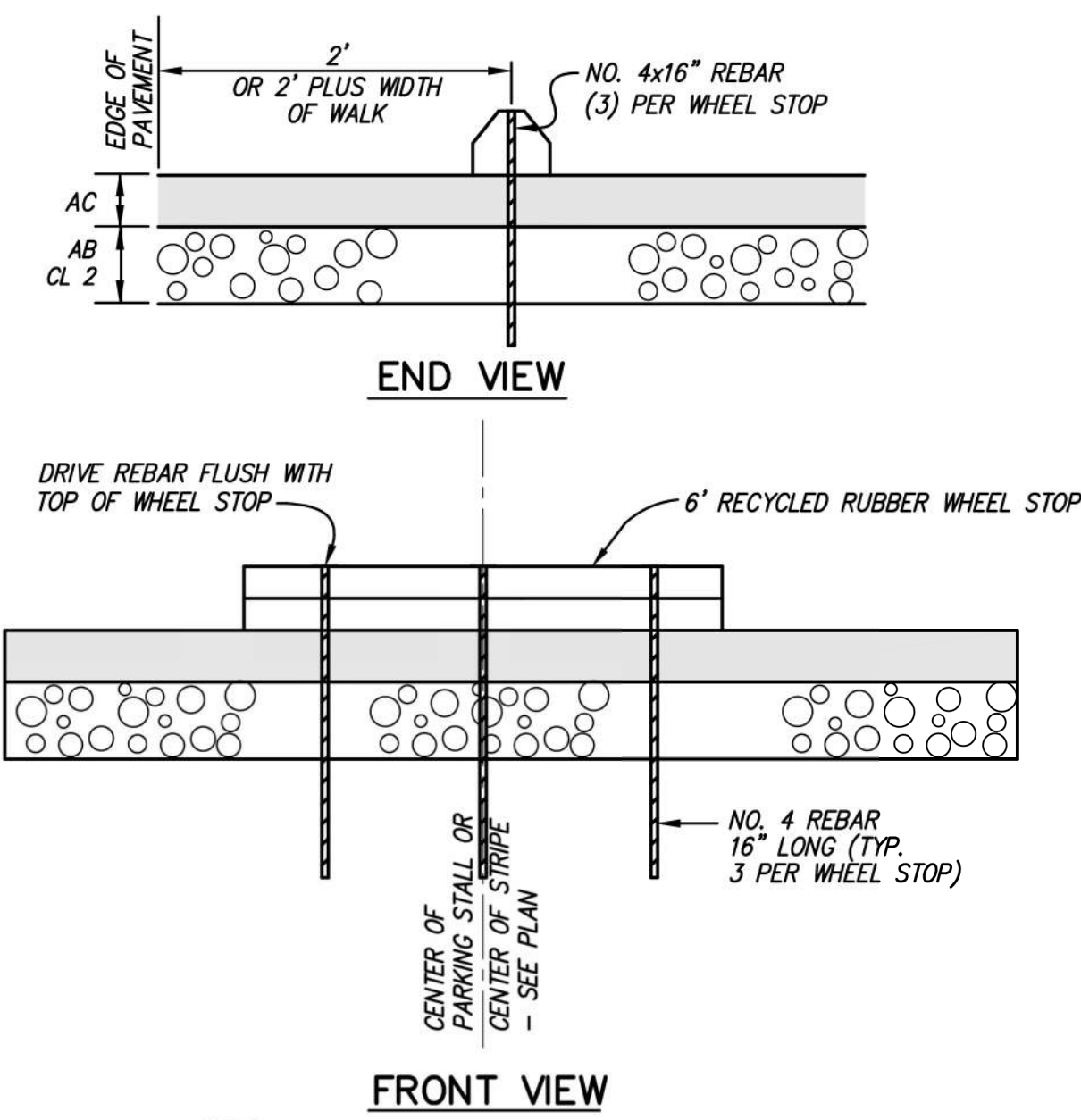
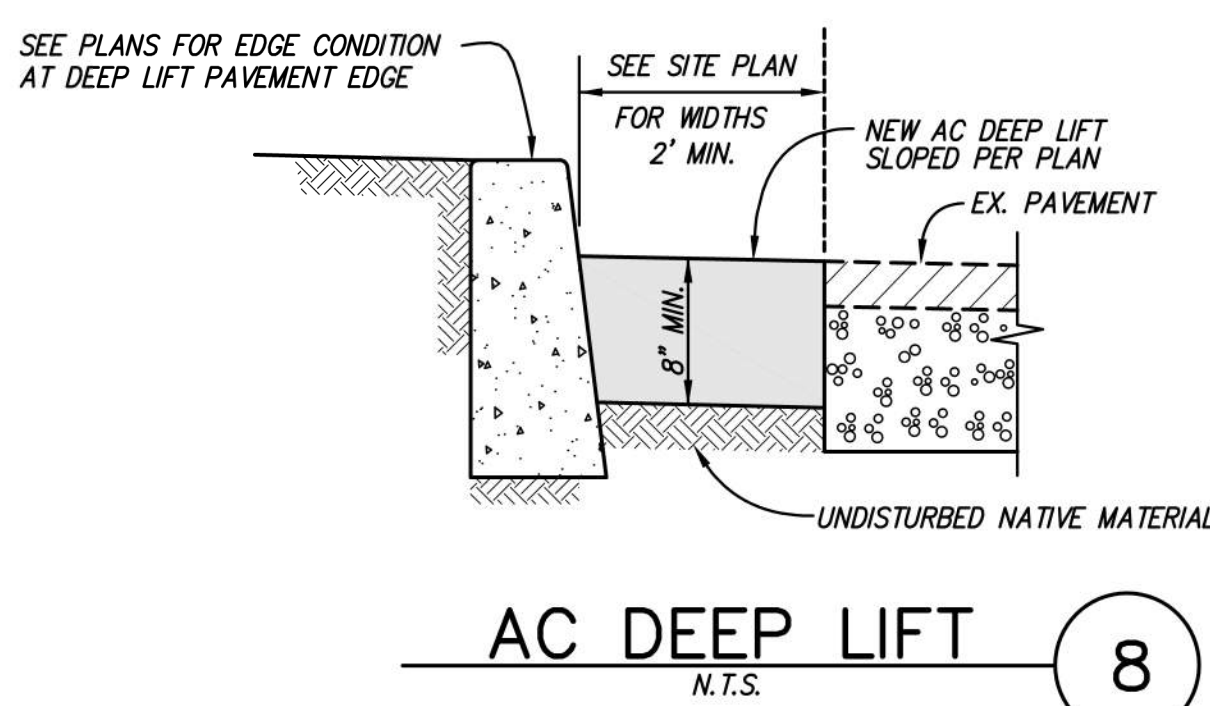
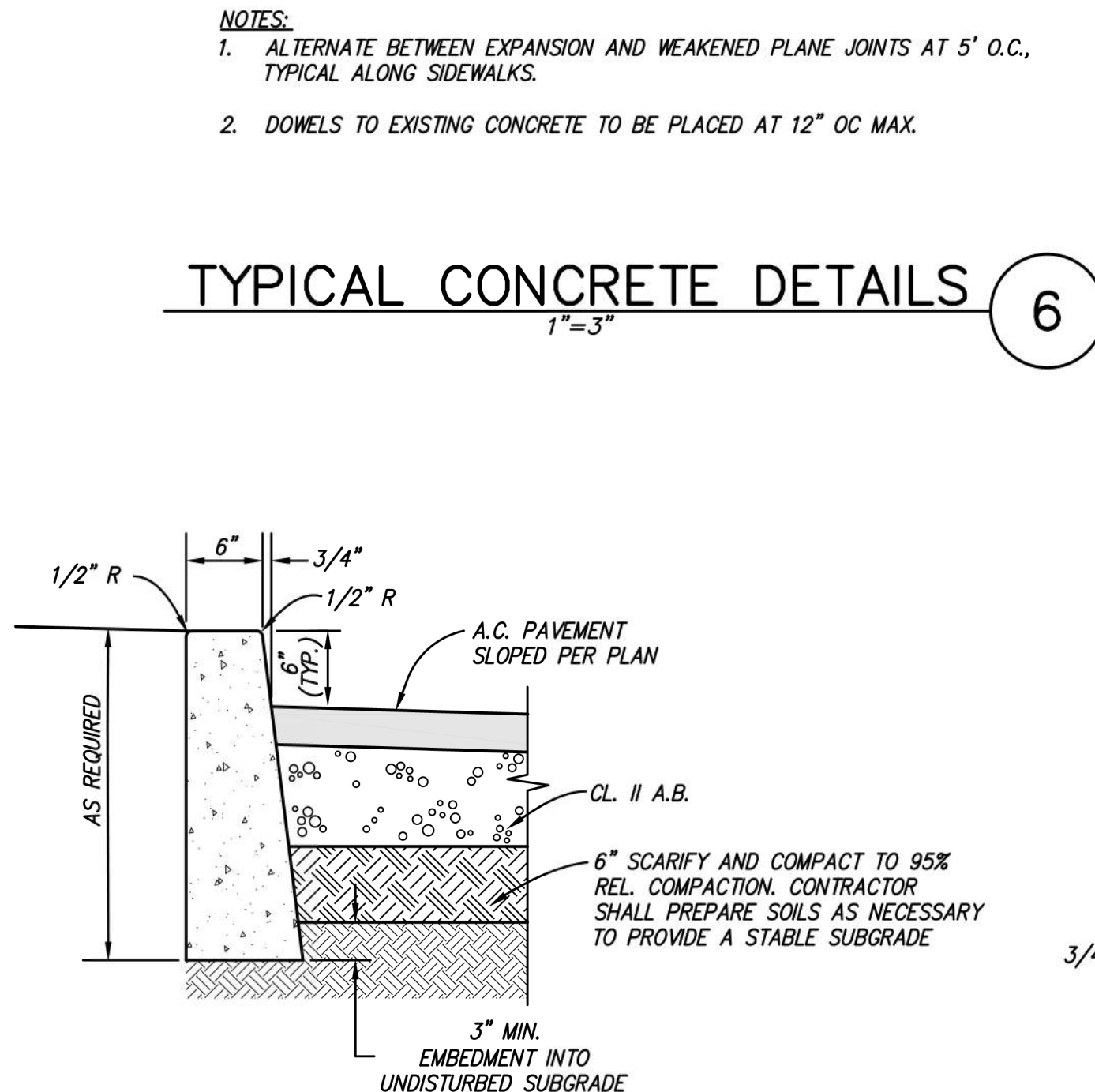
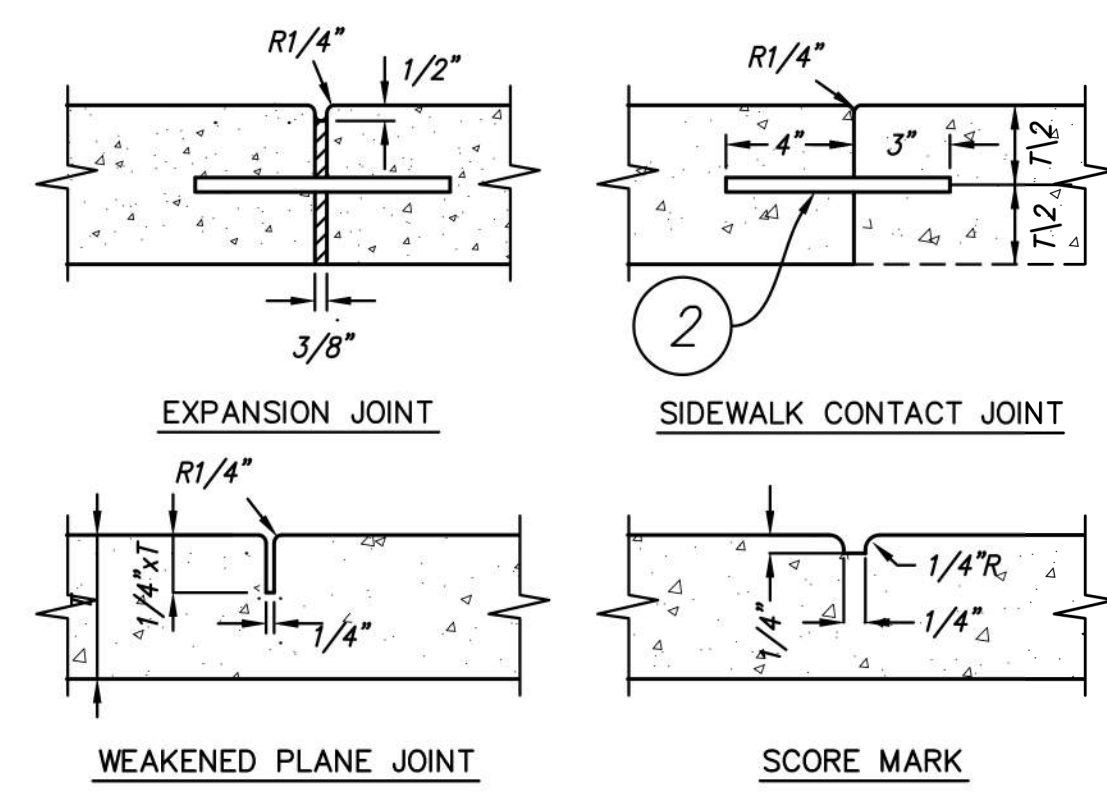
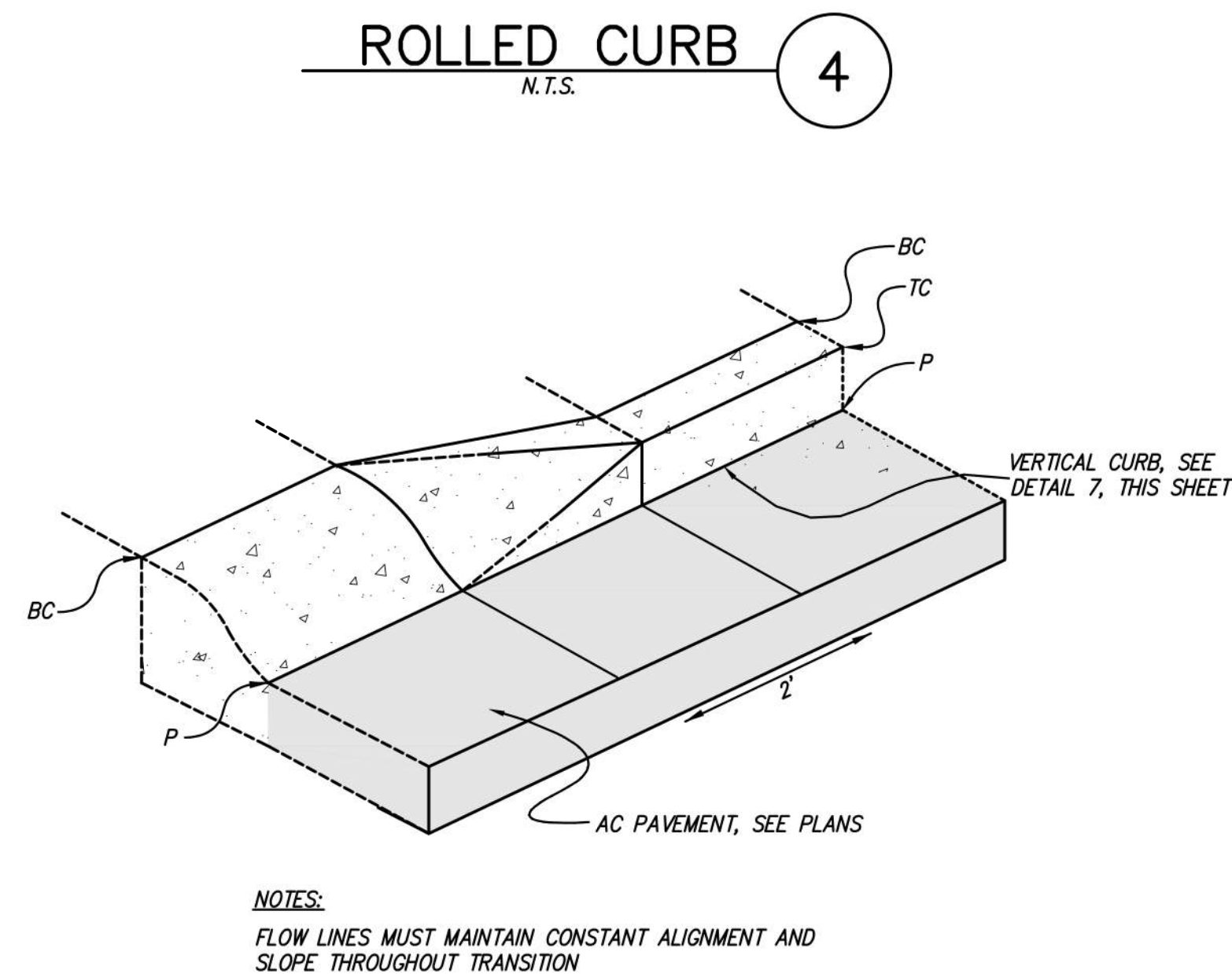
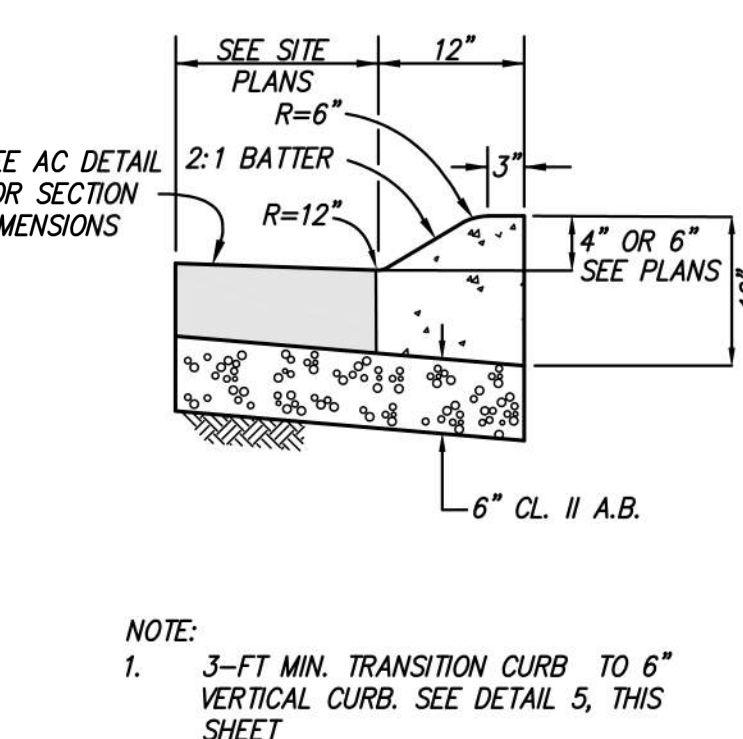
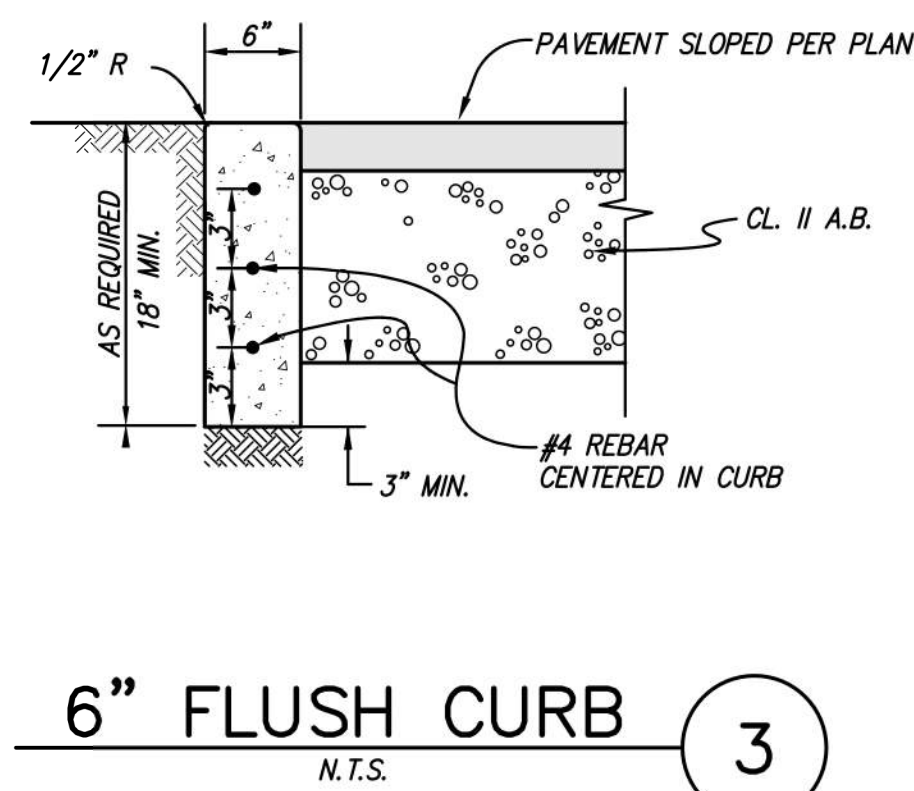
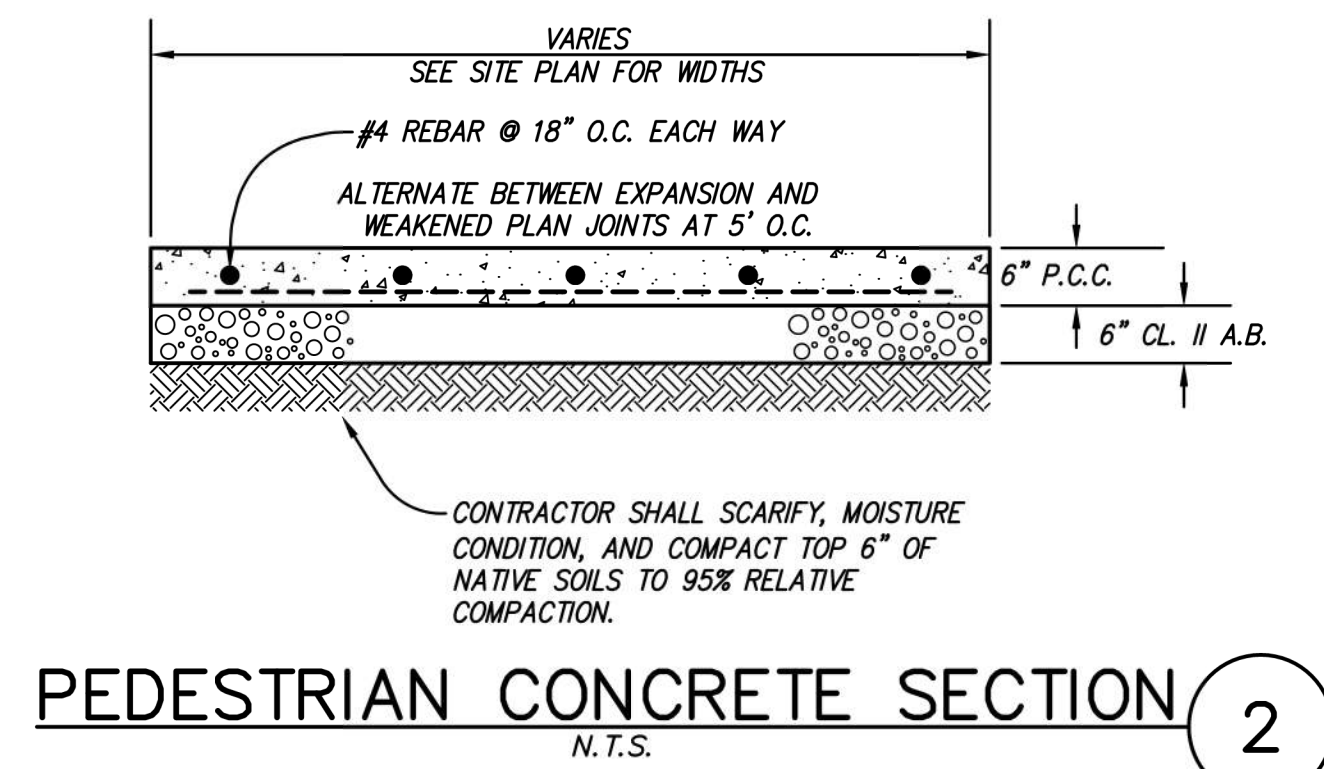
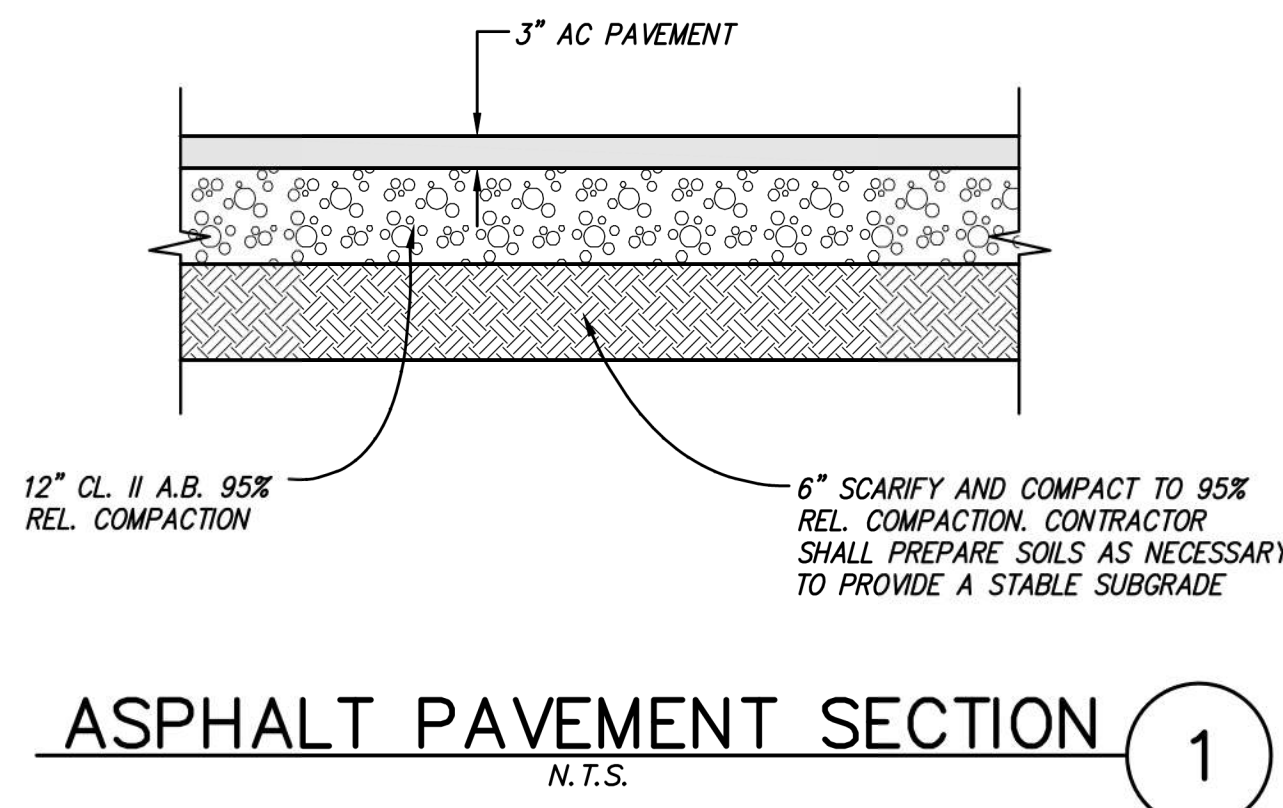
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	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

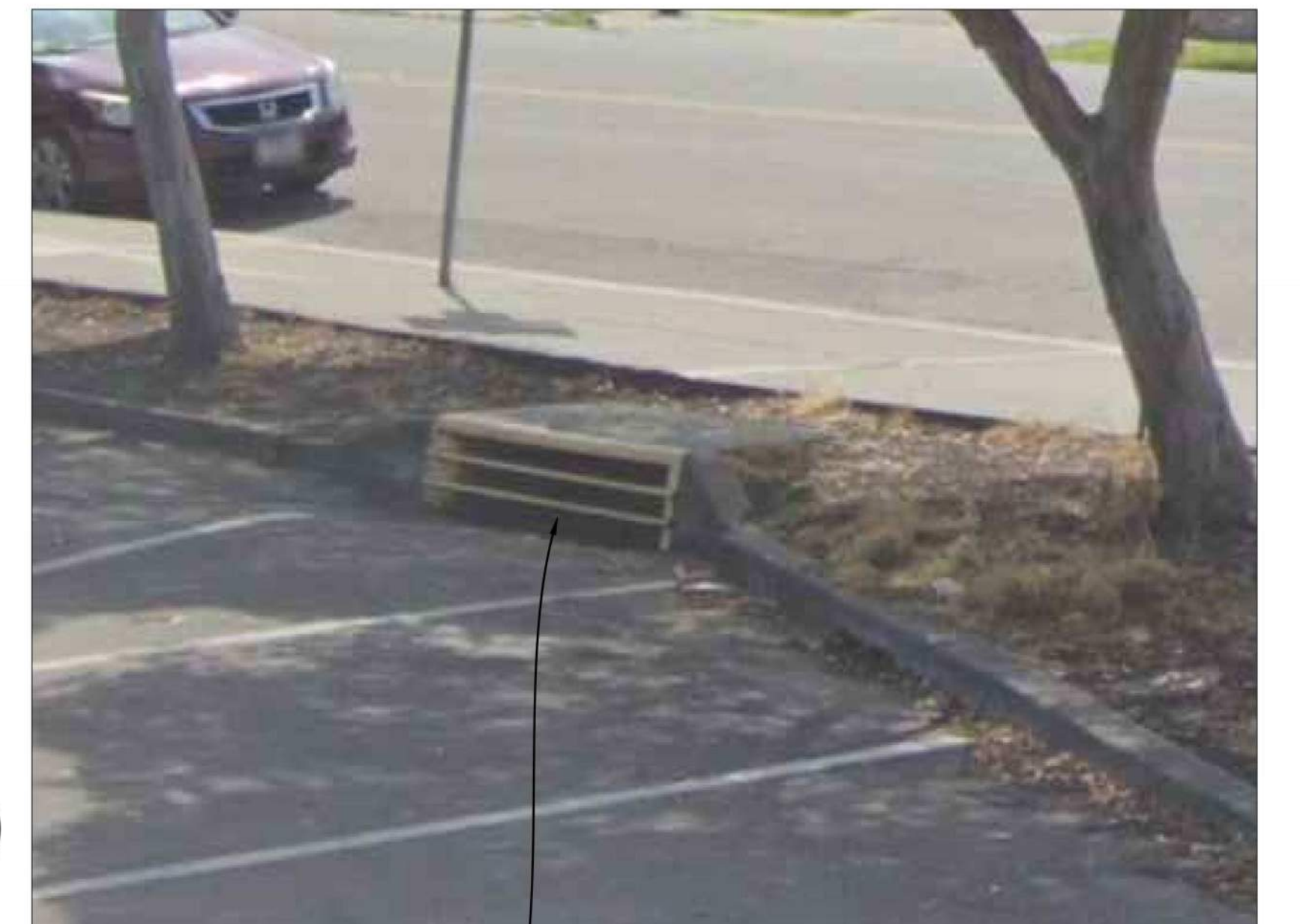
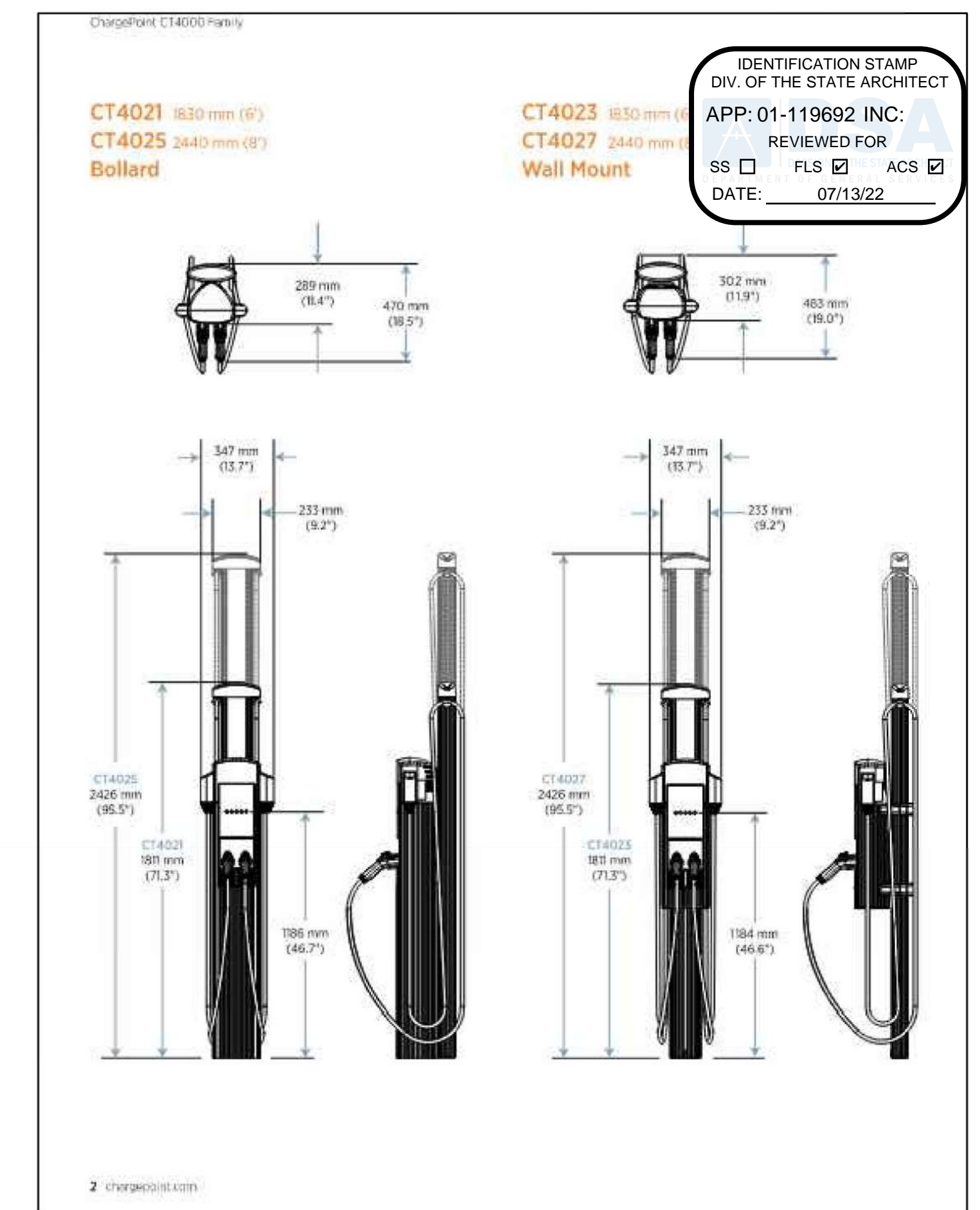
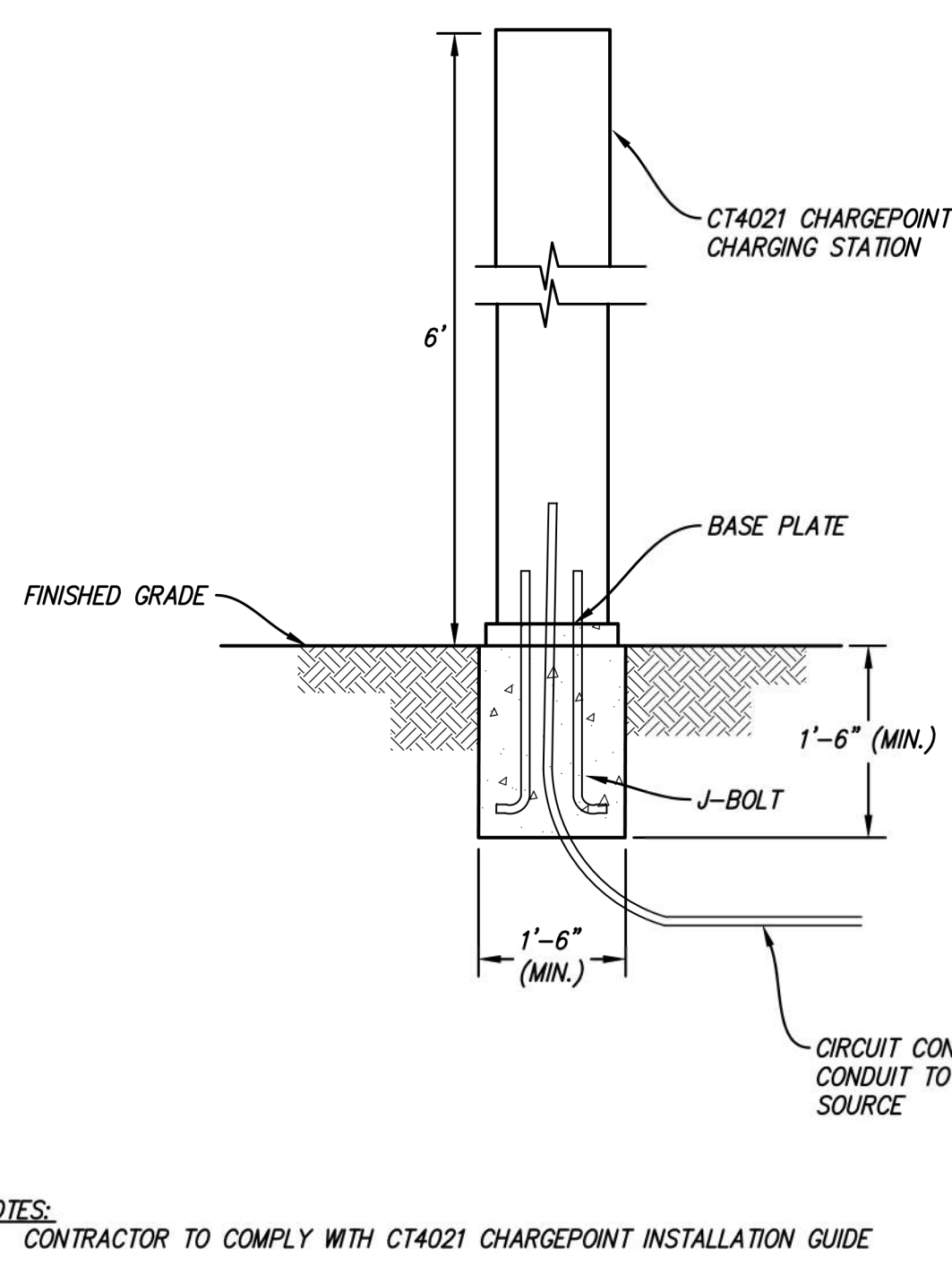
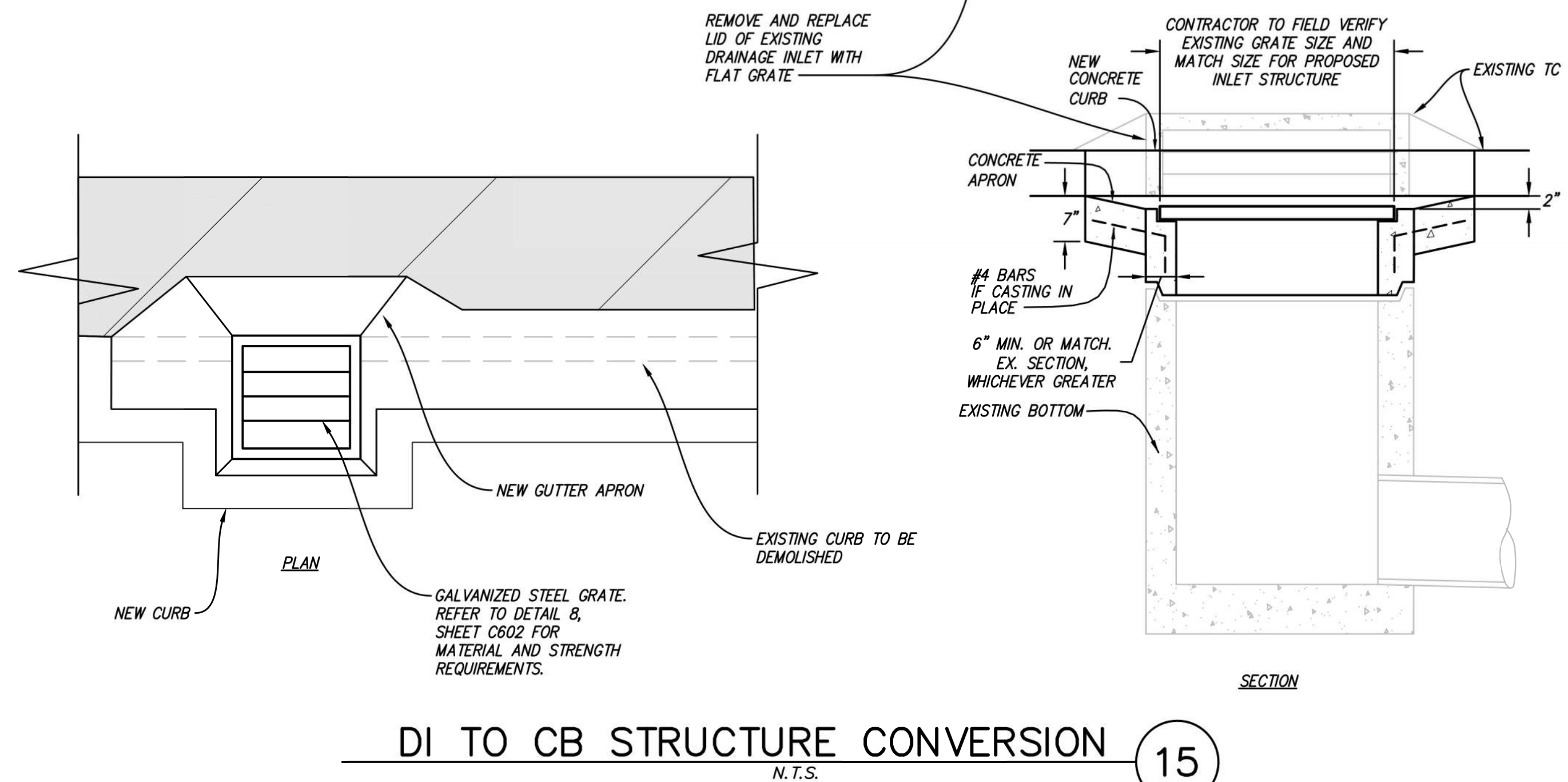
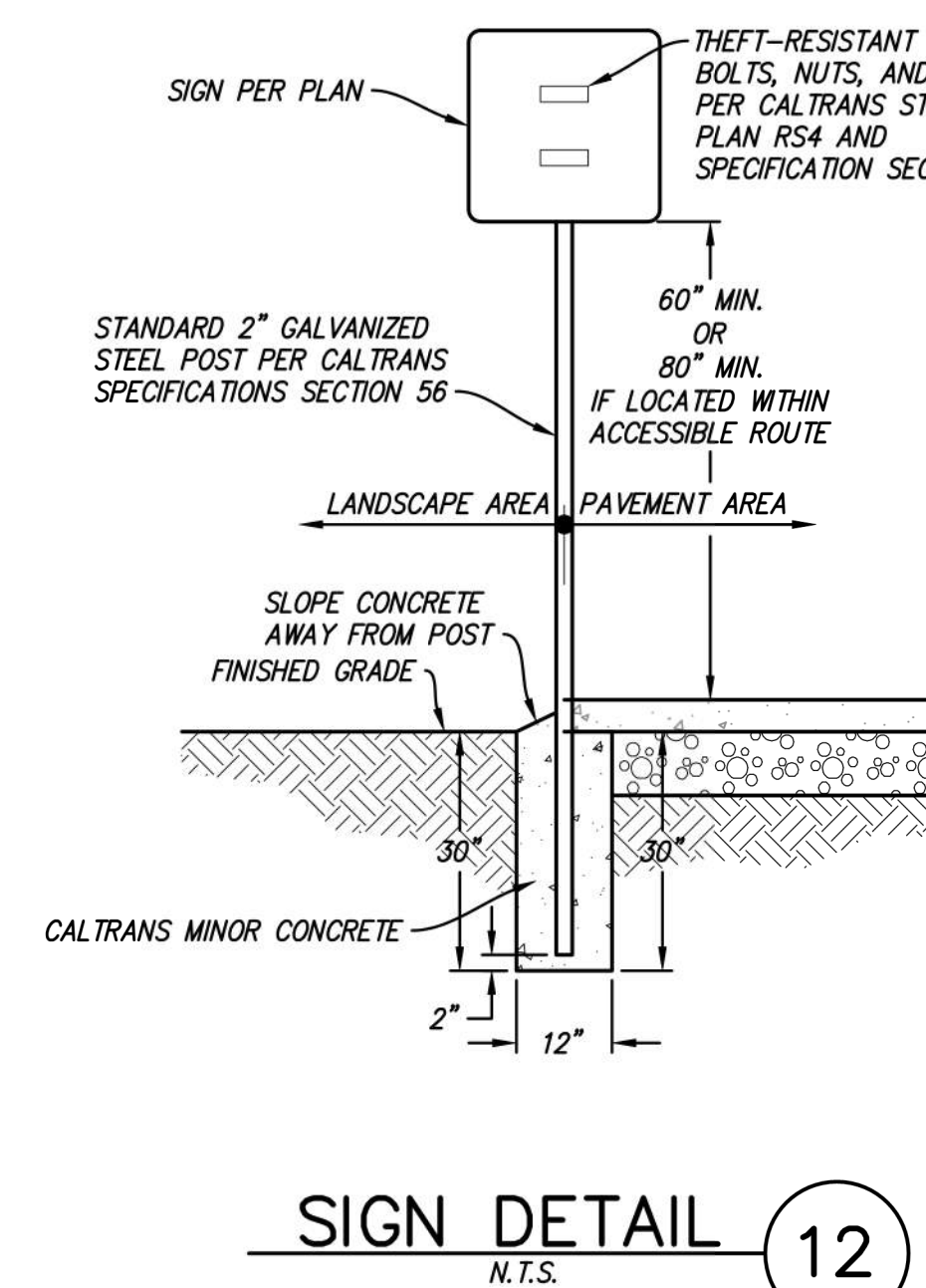
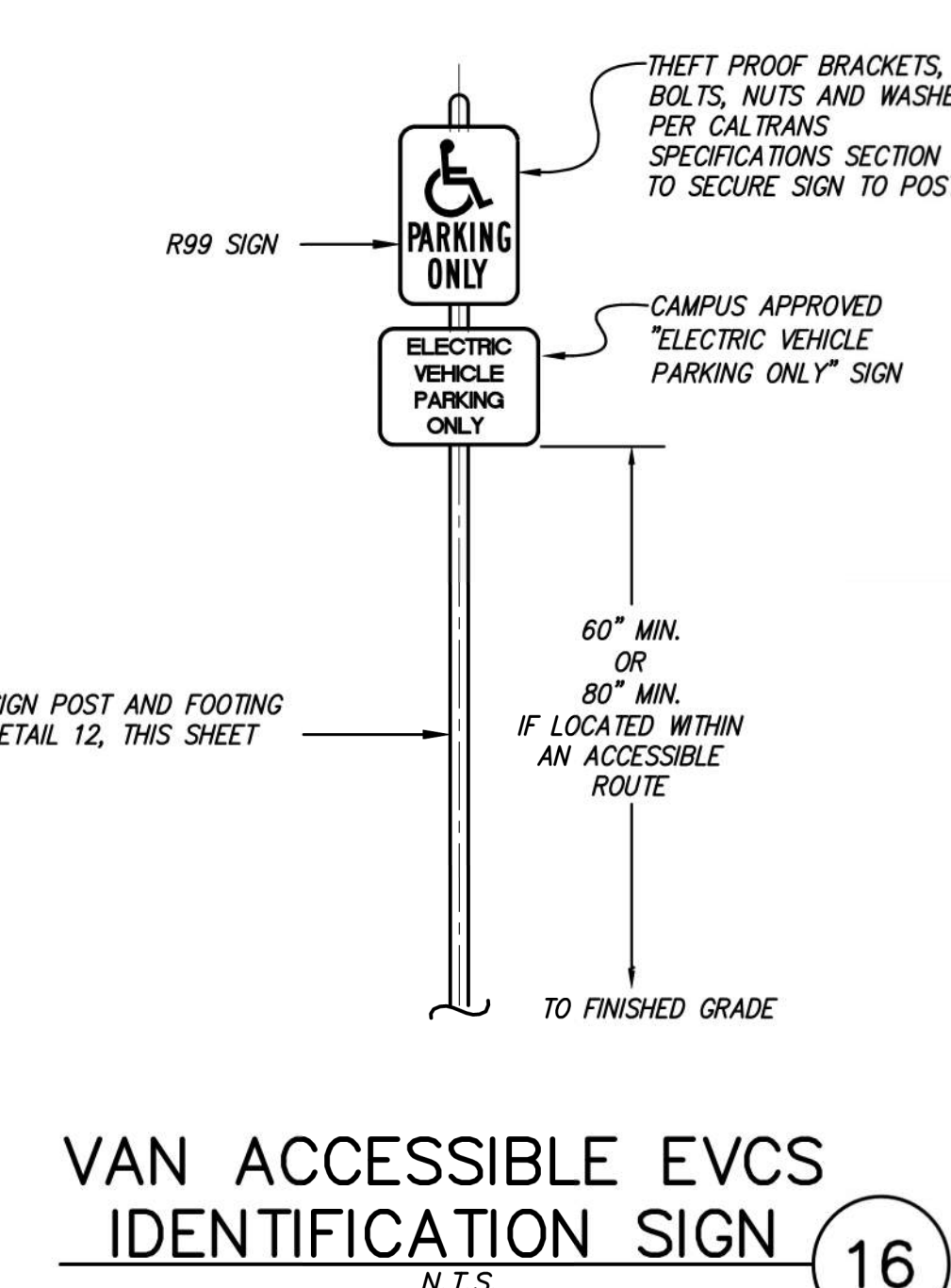
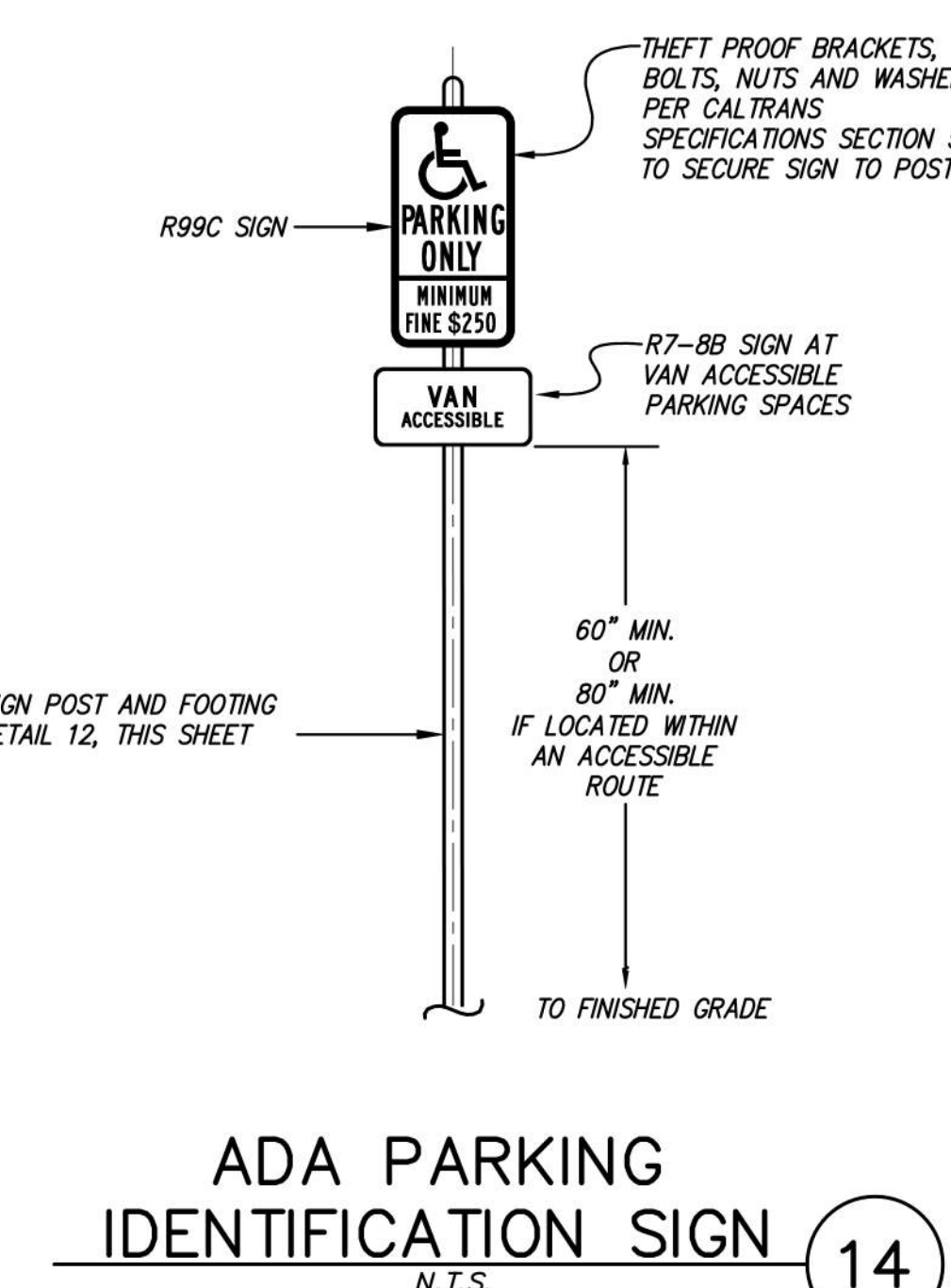
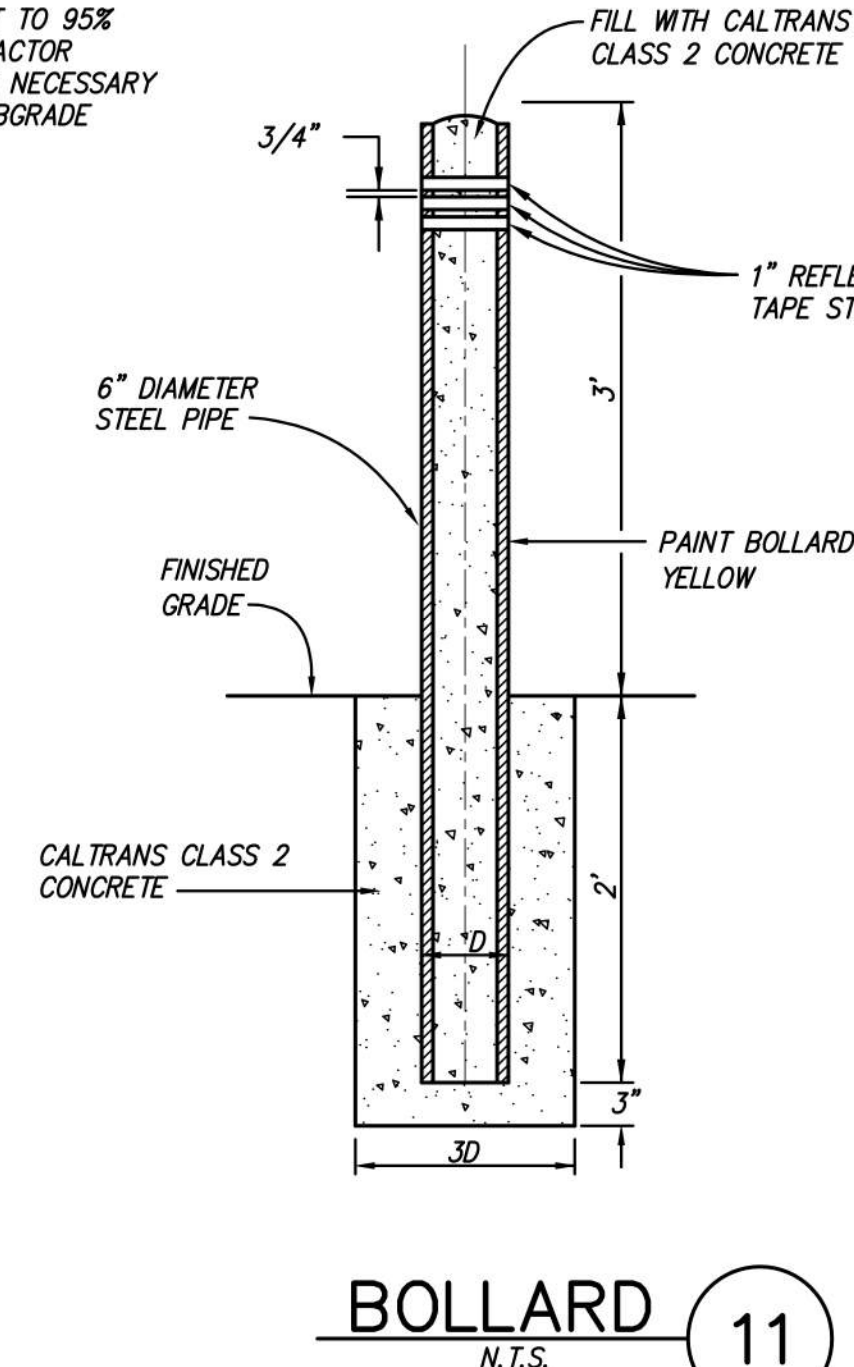
CALIFORNIA

**STORMWATER MANAGEMENT PLAN C501**

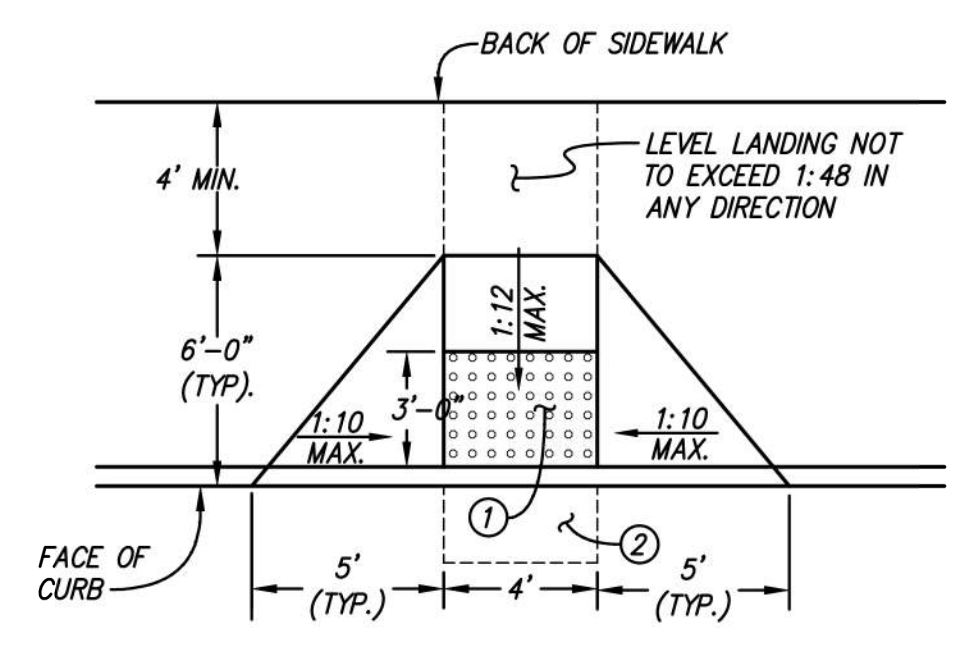
SHEET



**CONCRETE EDGE @ BLDG FACE**



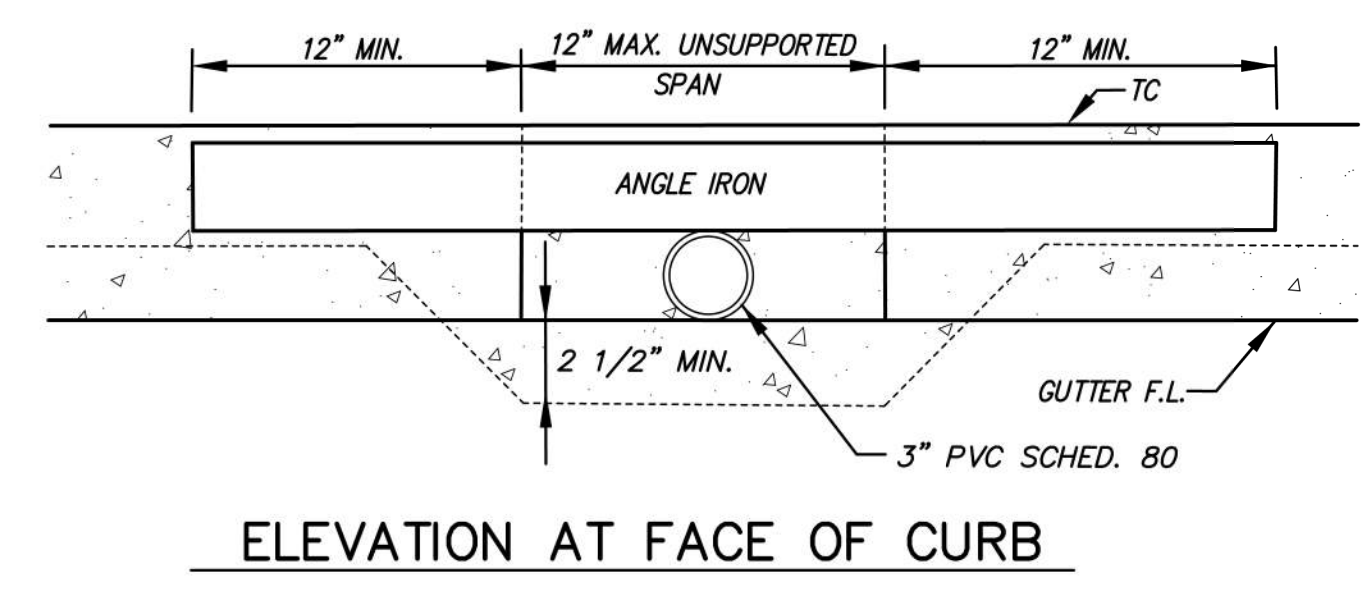
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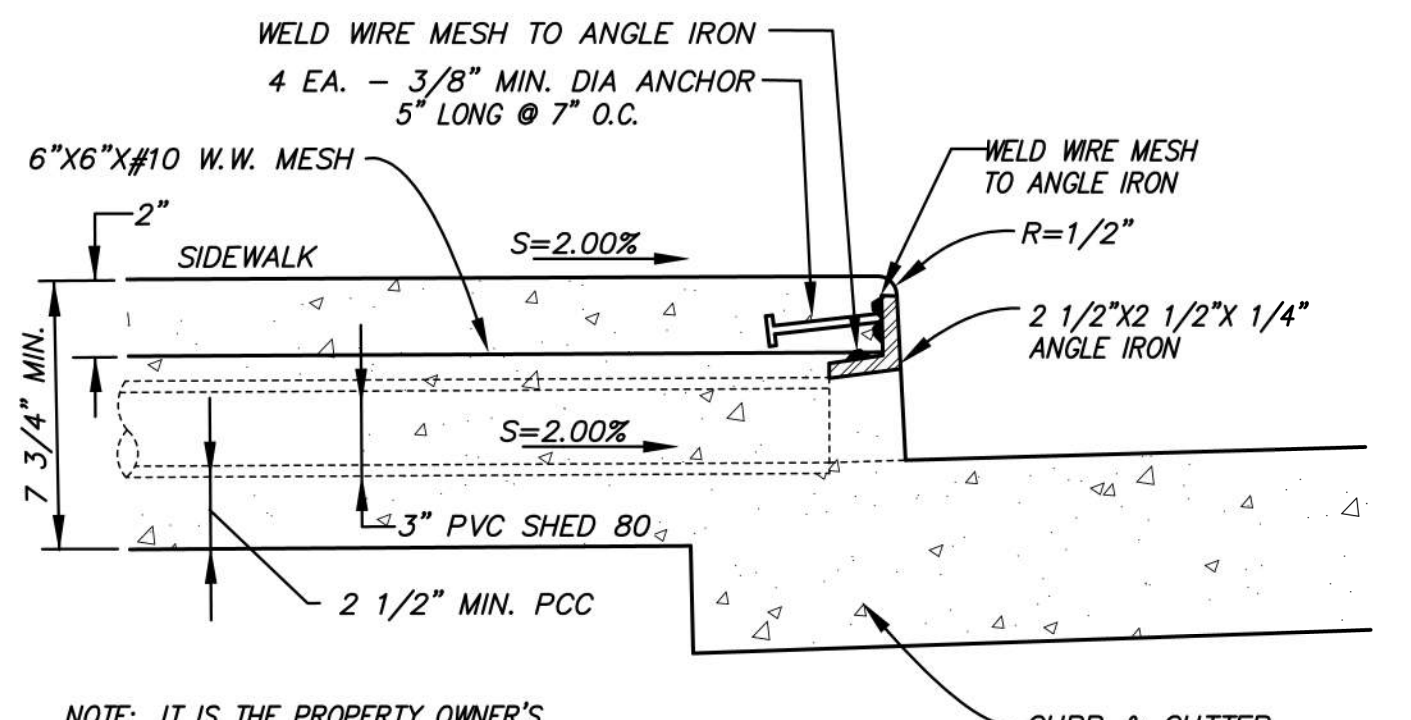
**ACCESSIBLE RAMP**  
 N.T.S.

NOTES:  
 1. DETECTABLE WARNING SURFACE (TRUNCATED DOMES), AS REQUIRED, PER CBC 11B-705. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE FLUSH CURB IS 6 INCHES MIN. AND 8 INCHES MAX. FROM THE EDGE OF THE STREET OR GUTTER. DETECTABLE WARNING SHALL BE YELLOW AND APPROXIMATE FS 33538 OF FEDERAL STANDARD 595C OR APPROVED EQUIVALENT.  
 2. COUNTER SLOPE AT BOTTOM OF RAMP SHALL NOT EXCEED 1:20 WITHIN 24 INCHES OF THE BOTTOM OF THE RAMP.  
 3. DIMENSIONS LABELED TYP. ARE THE TYPICAL DIMENSIONS USED TO ACHIEVE ADA COMPLIANCE. THESE DIMENSIONS MAY VARY TO ACCOMMODATE FIELD CONDITIONS AND DESIGN INTENT. DIMENSIONS LABELED MIN. OR MAX. ARE THE DIMENSIONS FOR CODE COMPLIANCE.

1

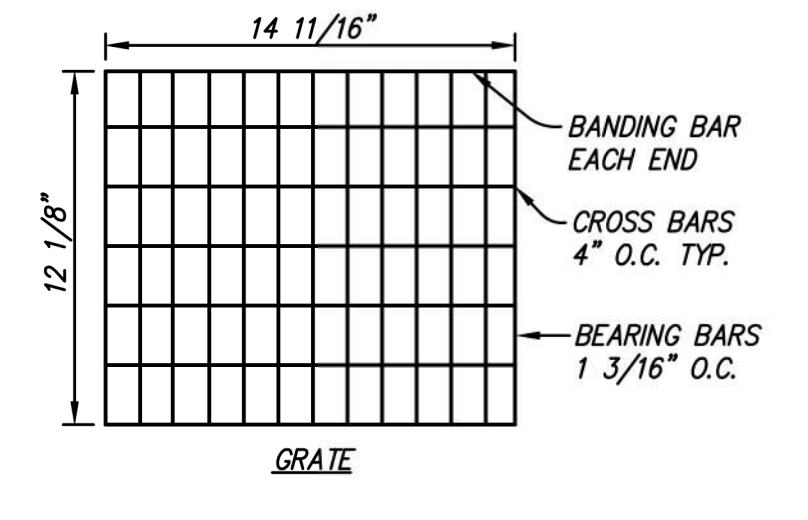


ELEVATION AT FACE OF CURB

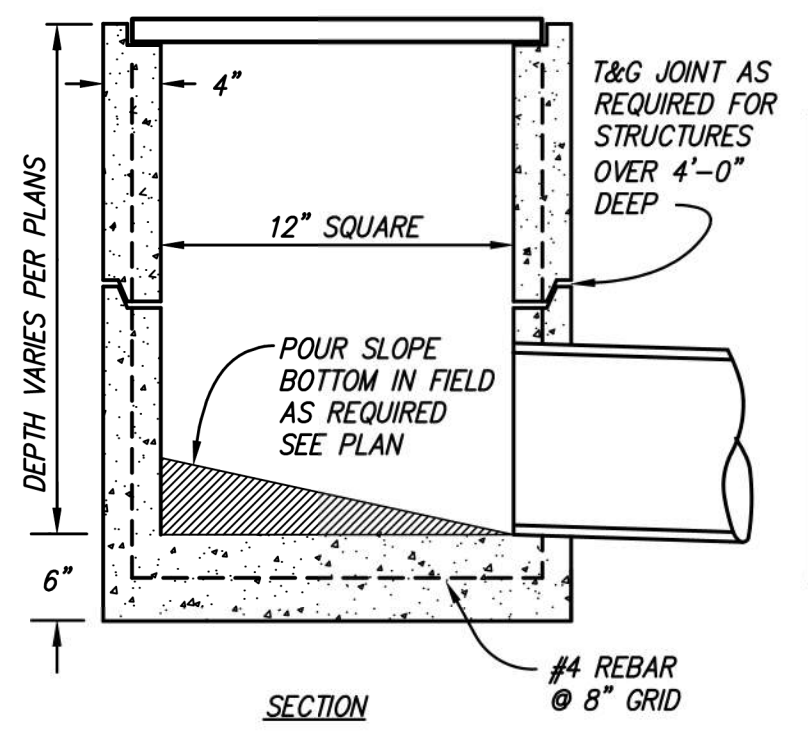


SECTION VIEW

"THRU CURB" DRAIN



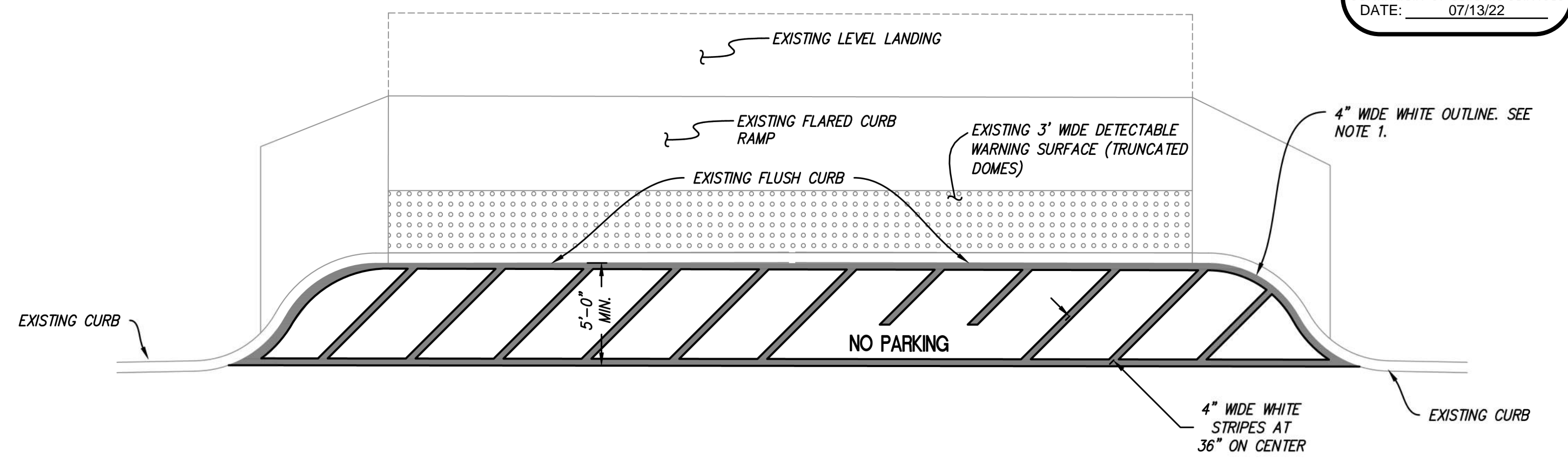
GRATE



SECTION

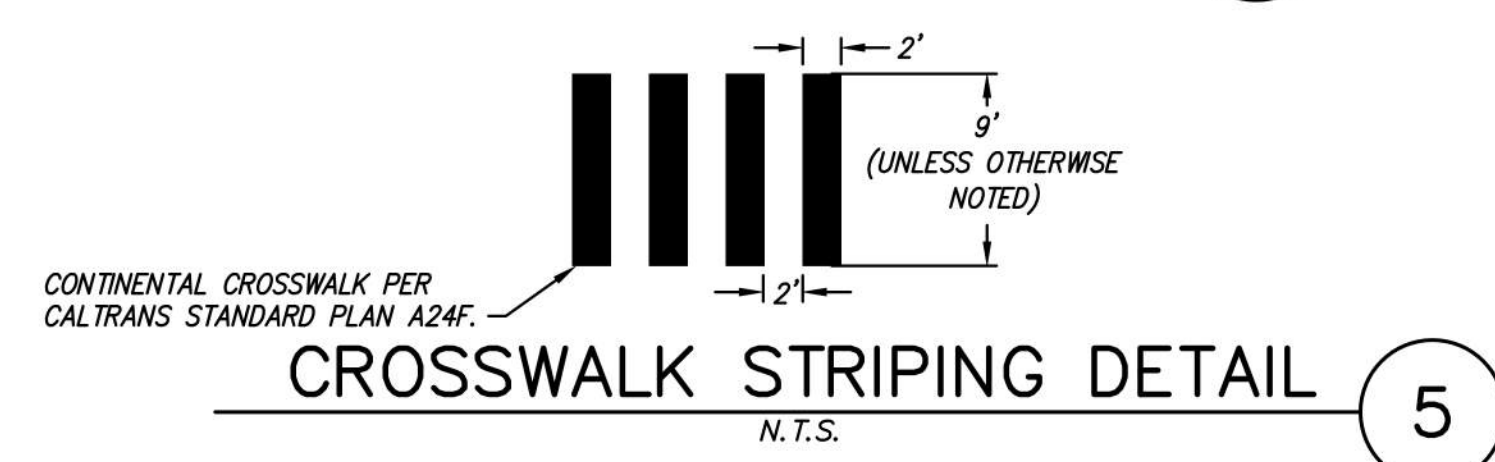
CATCH BASIN DETAIL

NOTES:  
 1. FRAMES AND GRATES SHALL BE HEAVY-DUTY DESIGNED FOR H20 HIGHWAY LOADING.  
 2. ALL GRATES SHALL BE BICYCLE PROOF.  
 3. FOR JUNCTION BOXES (JB), ADD STEEL CHECKER PLATE MARKED "STORM DRAIN".

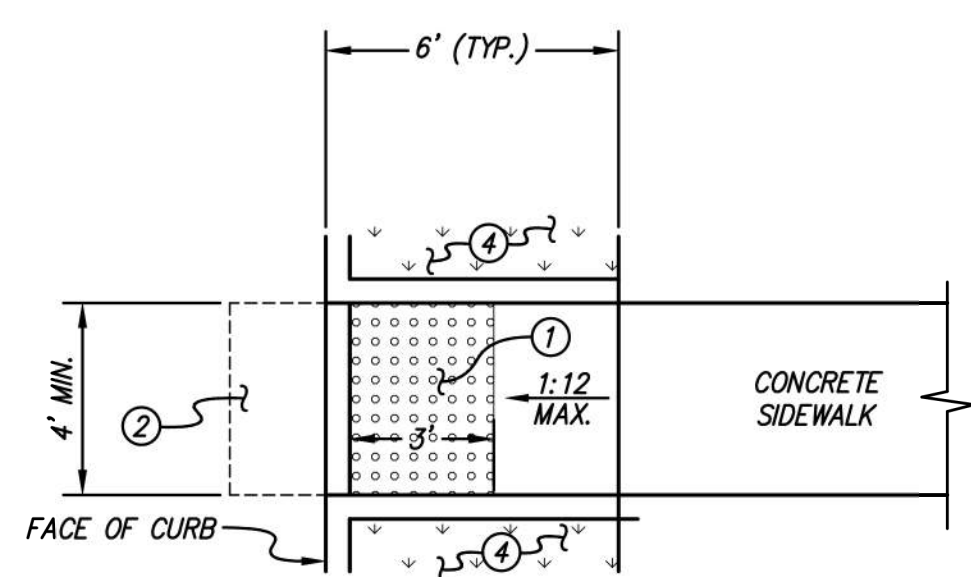


NOTES:  
 1. ALL PAVEMENT MARKING AND STRIPING MUST COMPLY WITH CURRENT CALIFORNIA BUILDING CODE SECTION 11B-502.  
 2. EXISTING ACCESSIBLE DROPOFF GRADING IS CODE COMPLIANT, SEE GRADING ENLARGEMENT D, SHEET C303 FOR DETAILS

EXISTING ACCESSIBLE DROP-OFF STRIPING & SIGNAGE



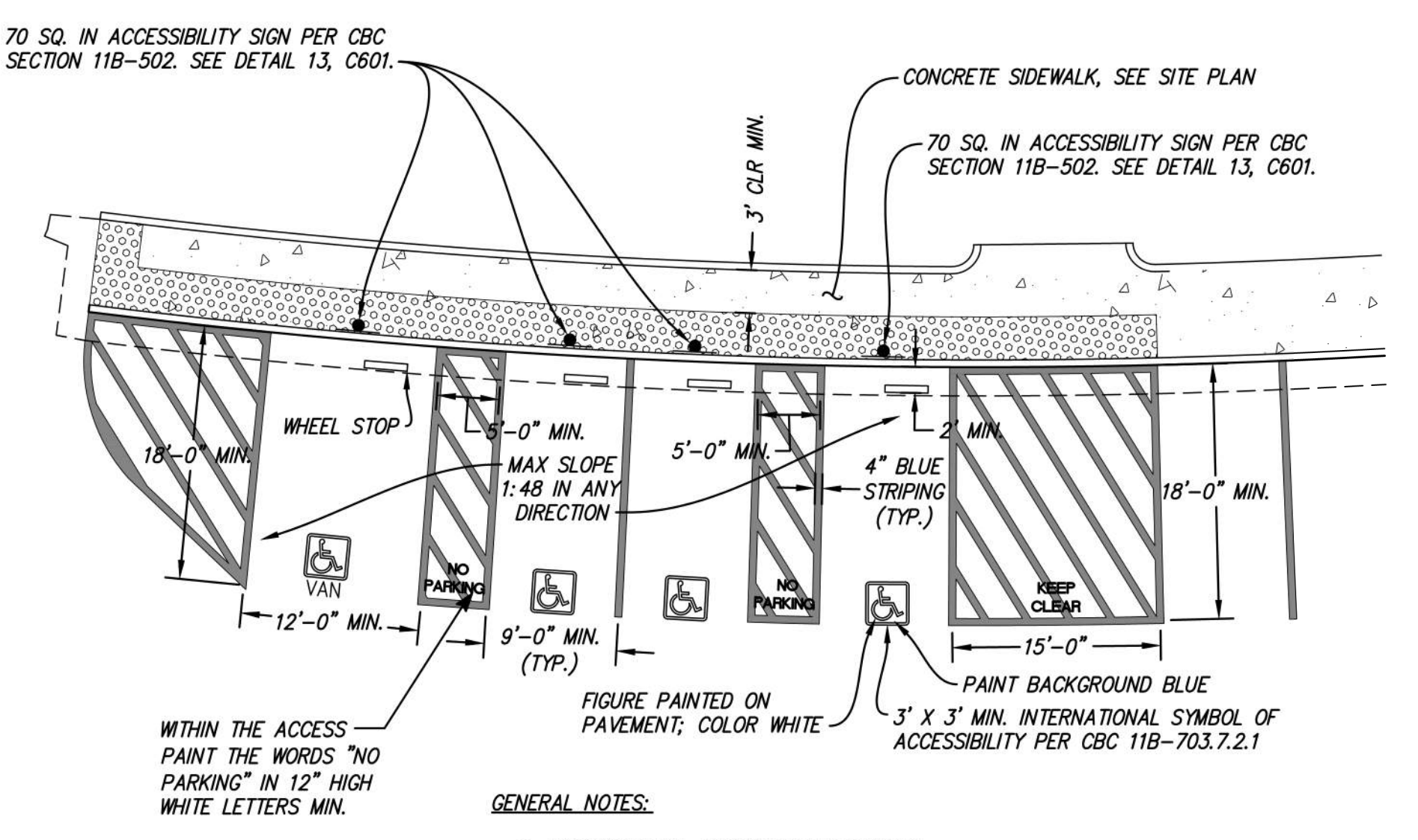
CROSSWALK STRIPING DETAIL



**IN-LINE ACCESSIBLE RAMP**  
 N.T.S.

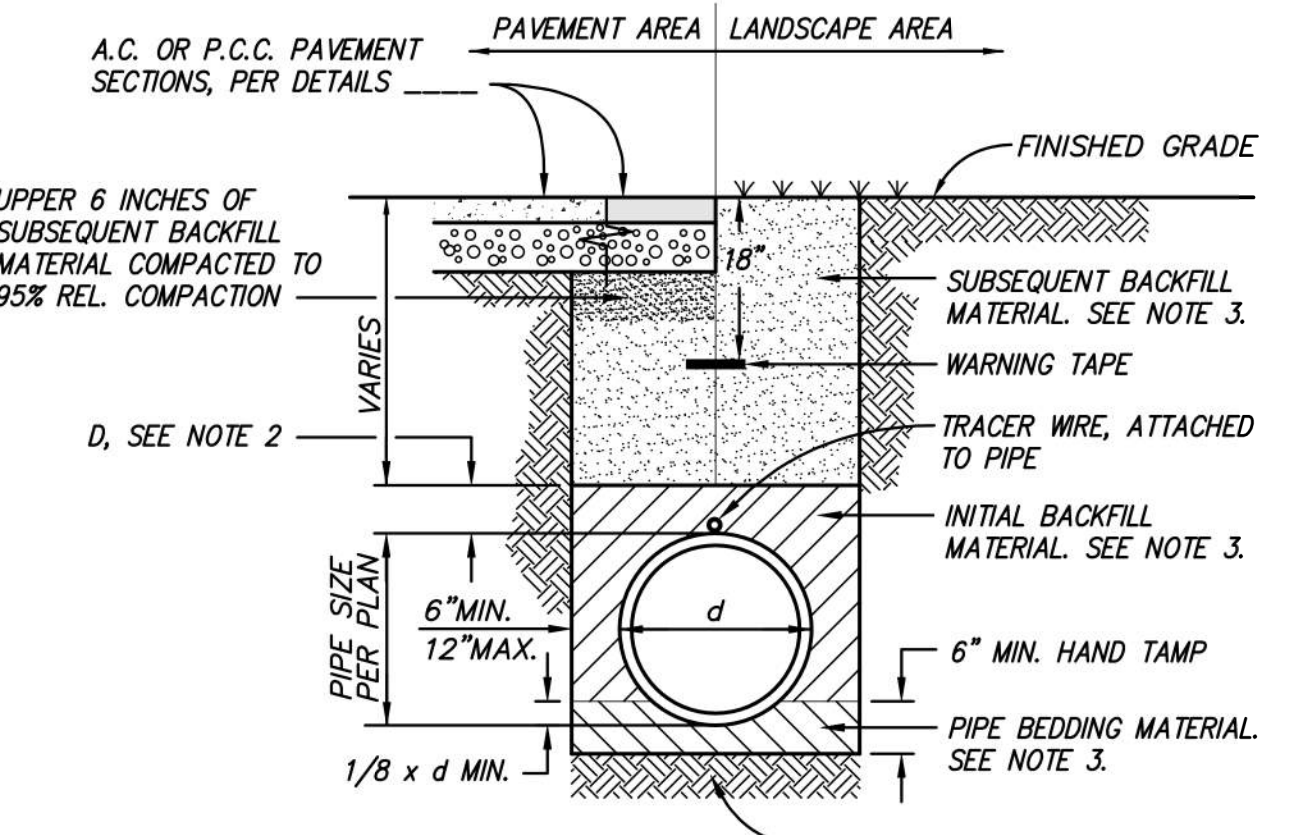
NOTES:  
 1. DETECTABLE WARNING SURFACE (TRUNCATED DOMES), AS REQUIRED, PER CBC 11B-705. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE FLUSH CURB IS 6 INCHES MIN. AND 8 INCHES MAX. FROM THE EDGE OF THE STREET OR GUTTER. DETECTABLE WARNING SHALL BE YELLOW AND APPROXIMATE FS 33538 OF FEDERAL STANDARD 595C OR APPROVED EQUIVALENT.  
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 4. LANDSCAPED AREA ADJACENT TO RAMP. SEE LANDSCAPE PLANS.

2



TYP. ADA PARKING DETAIL (90 DEGREE PARKING)

6



TRENCH DETAIL

**COMPACTION REQUIREMENTS**

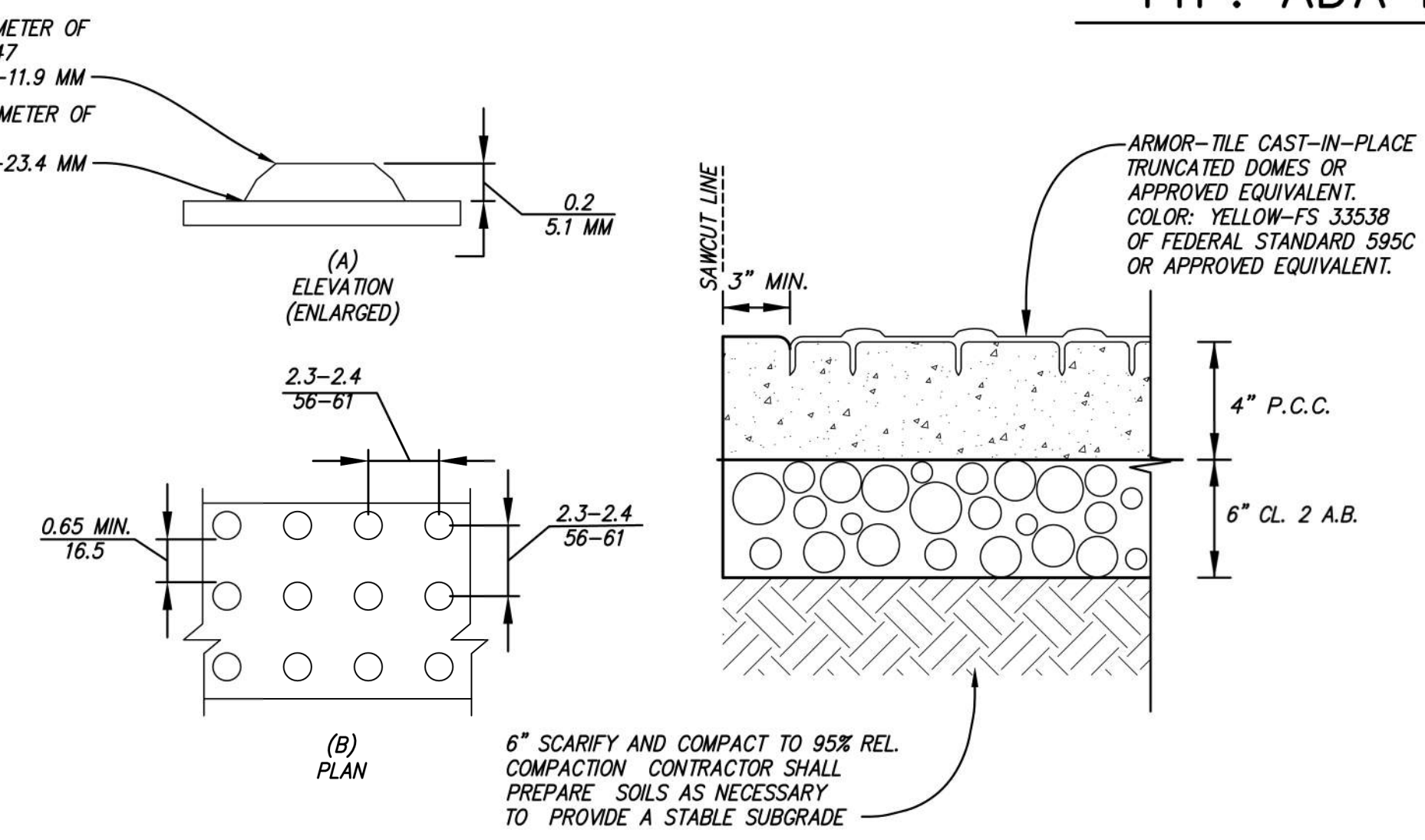
	TRENCH SAND	TRENCH GRAVEL	APPROVED NATIVE	IMPORTED FILL	CLASS II AGGREGATE BASE
SUBSEQUENT BACKFILL MATERIAL (UNDER PAVEMENT)	N/A	N/A	90%	90%	90%
SUBSEQUENT BACKFILL MATERIAL (IN LANDSCAPE)	N/A	N/A	85%	85%	85%
INITIAL BACKFILL MATERIAL	90%	90%	N/A	N/A	N/A
BEDDING MATERIAL	90%	90%	N/A	N/A	N/A

**THRUST BLOCK TABLE**

TYPE OF FITTING	90° BEND & BURIES	45° BEND	22 1/2° BEND	11 1/4° BEND	TEE OR DEAD END
4"	2.6	1.4	0.8	0.4	1.9
6"	5.3	2.9	1.5	0.8	3.8
8"	9.1	5.0	2.6	1.3	6.5
10"	13.7	7.5	3.8	1.9	9.7
12"	19.4	10.5	5.4	2.7	13.7

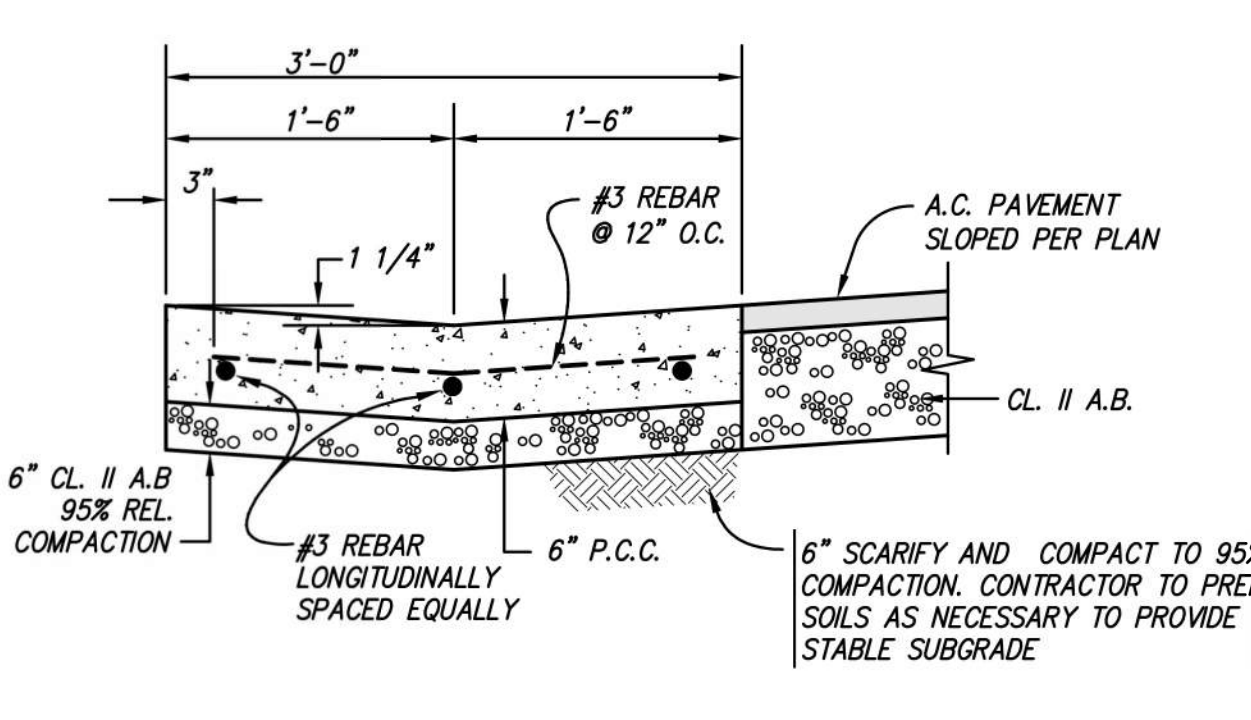
**THRUST BLOCK NOTES**  
 1. Thrust blocks to be constructed of 2500 psi minor Caltrans concrete.  
 2. Blocks to be poured against undisturbed soil.  
 3. Joints to be kept free of concrete. Allow working room.  
 4. Abrupt changes in vertical alignment shall be anchored per gravity block detail.  
 5. Areas given are for PVC C900 class 200 pipe at a static test pressure of 200 psi in soil with 2,000 psi bearing capacity. Subject to field conditions.  
 6. Tapping sleeves shall have thrust blocks sized the same as tees.  
 7. Area calculations based on NFPA 24, formula A.10.6.1a, 2019 edition.

THRUST BLOCK DETAIL



DETECTABLE WARNING SURFACE

3



CONCRETE VALLEY GUTTER

7

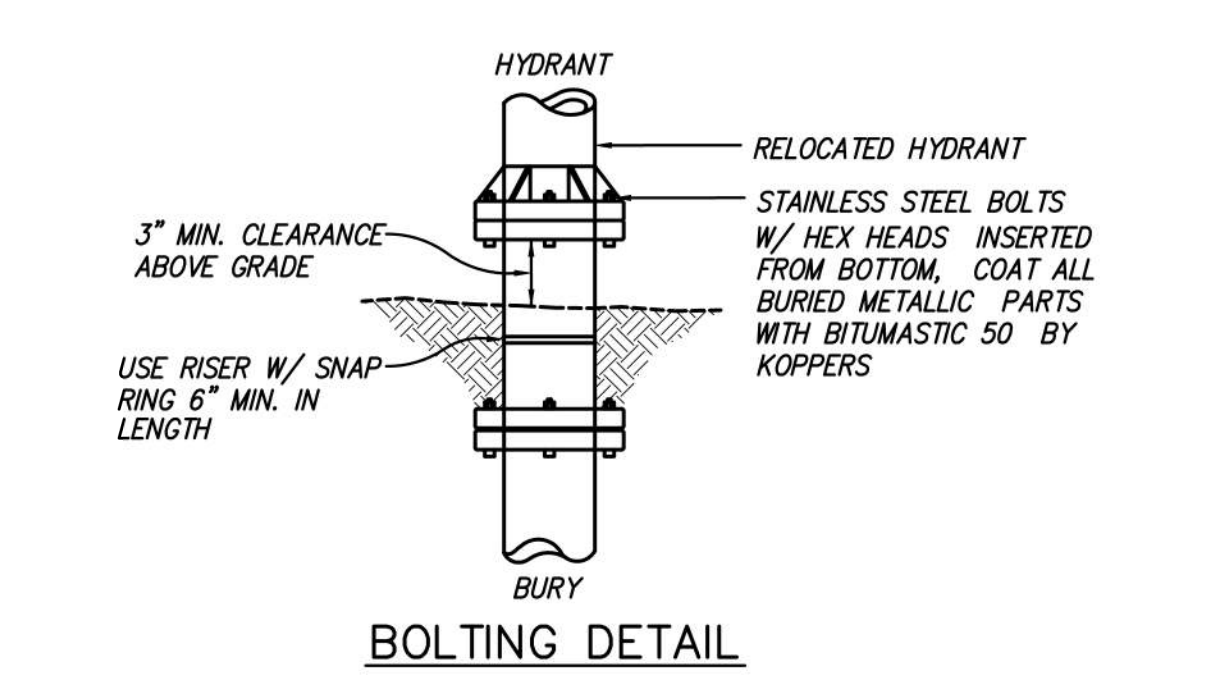
**THRUST CALCULATION TABLE**

TYPE OF FITTING	90° BEND & BURIES	45° BEND	22 1/2° BEND	11 1/4° BEND	TEE OR DEAD END
4"	5120	2770	1415	710	3620
6"	10580	5725	2920	1470	7480
8"	18200	9850	5020	2525	12865
10"	27370	14815	7555	3795	19355
12"	38710	20950	10680	5370	27370

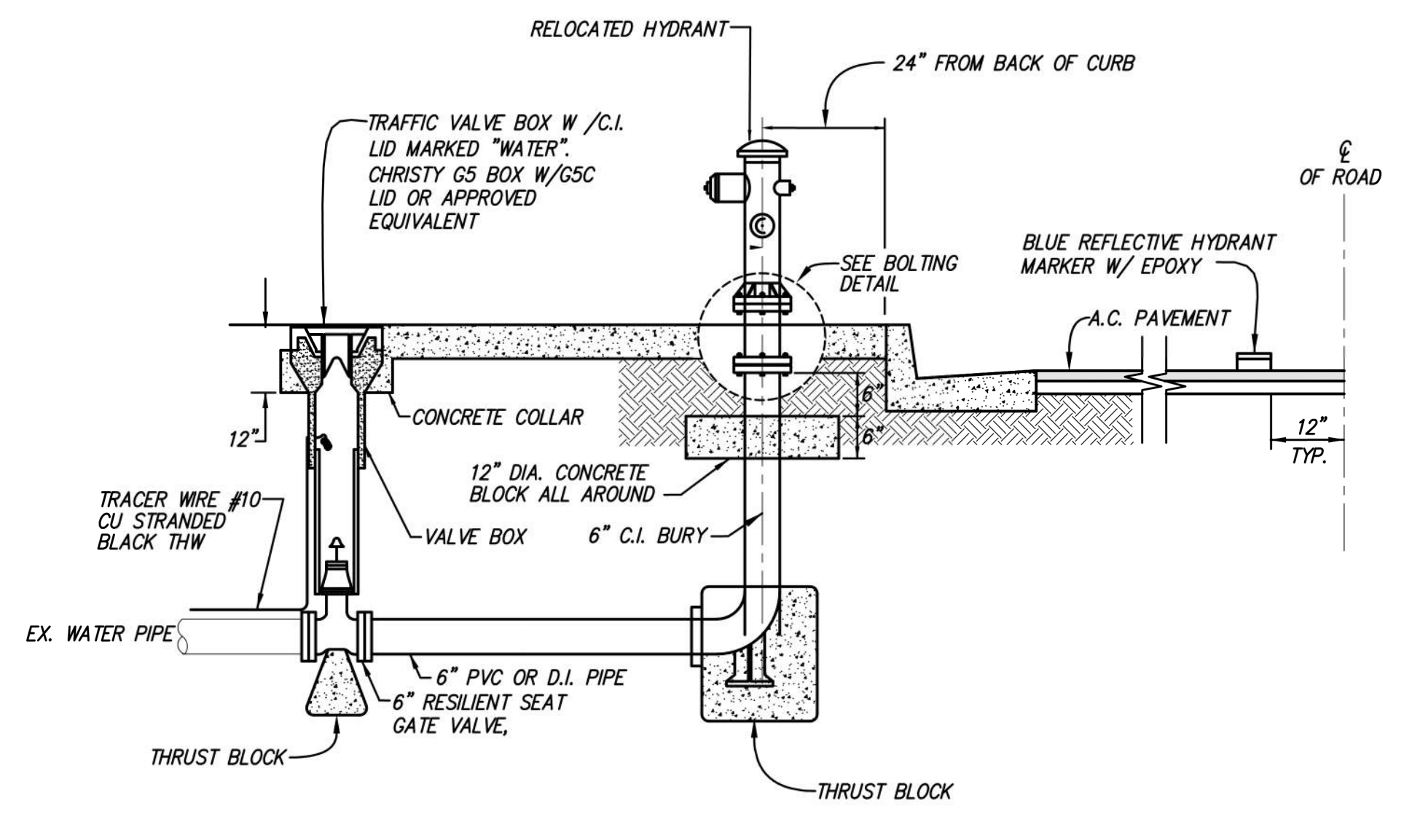
**THRUST CALCULATION NOTES**  
 1. CALCULATIONS BASED ON NFPA 24, TABLE A.10.6.1(a), 2019 EDITION  
 2. THRUST CALCULATED FOR 200 PSI STATIC PRESSURE

THRUST CALCULATIONS

12



BOLTING DETAIL



FIRE HYDRANT ASSEMBLY

13

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**LEGEND**

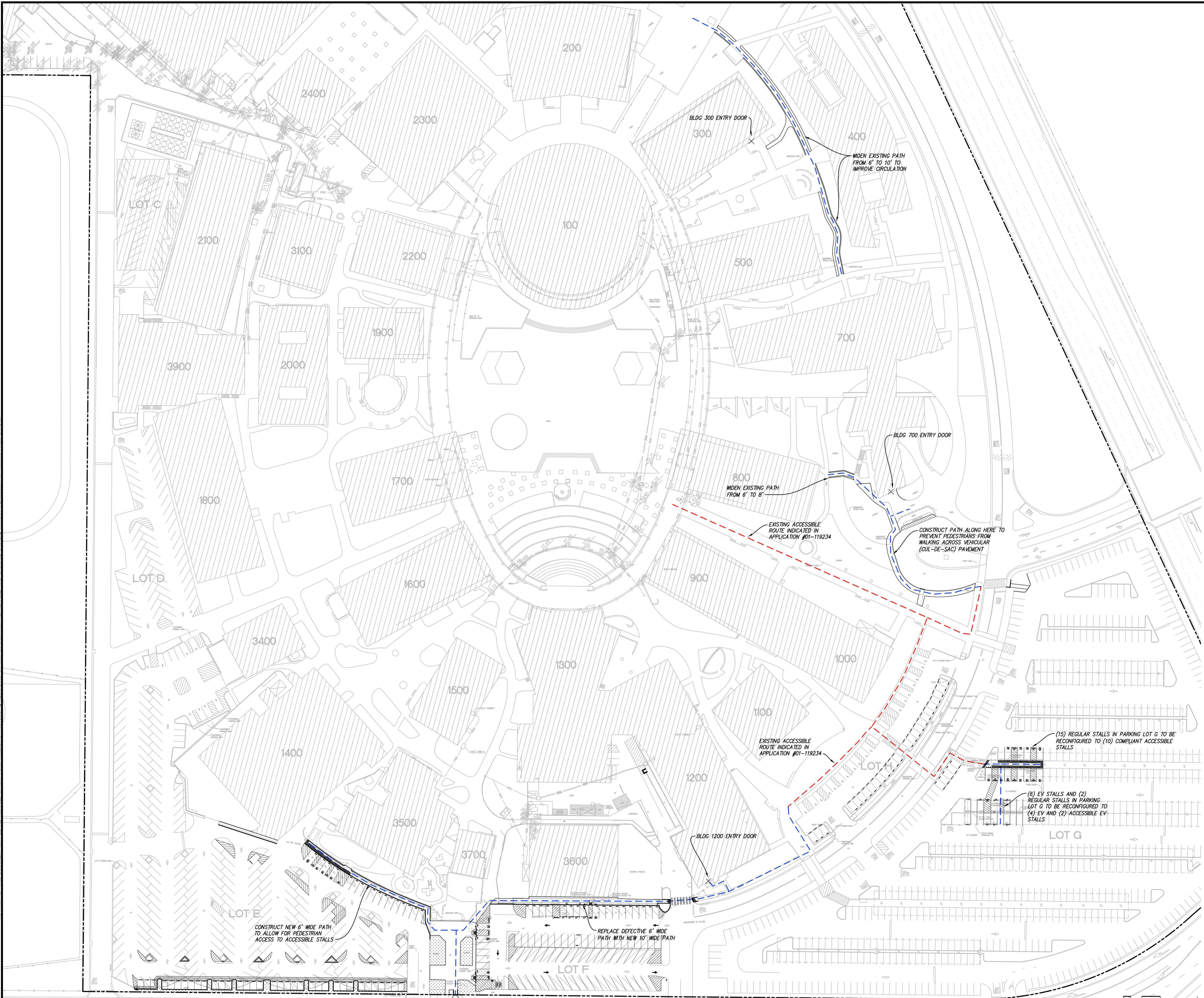
- CAMPUS' APPROVED PATH OF TRAVEL (APPROVED AS PART OF OTHER PROJECTS)
- PROPOSED PATH OF TRAVEL (TO BE APPROVED AS PART OF THIS SITE IMPROVEMENTS PROJECT)

**P.O.T NOTES**

1. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT 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 INDICATED IN THESE CONSTRUCTION DOCUMENTS.
2. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/2" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

**ADA NOTES**

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
3. PATH OF TRAVEL TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%).
4. A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS. THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.
5. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 2'-6" VERTICAL SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
6. MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2% MAXIMUM. MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING SHALL BE 2% IN ANY DIRECTION.
7. ALL SIDEWALK SHALL HAVE A 4' MINIMUM CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.



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**BIDON**  
 ARCHITECT

DATE: 8/18/2021  
 SCALE: 1"=50'  
 PROJECT No.: 618201.A  
 DATE: 07/12, 2022  
 MICHAEL A. KUYKENDALL  
 R.C.E. NO. 70870, EXPIRES 6-30-23

SEAL: [Professional Engineer Seal for Michael A. Kuykendall, No. 70870, Exp. 6/30/23]

No.	REVISION	DATE	BY
	DSA SUBMITTAL	8/18/2021	
	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE  
 PATHWAY AND  
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

**PATH OF TRAVEL PLAN**

SHEET  
**C701**