



CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT PURCHASING DEPARTMENT

August 18, 2022

Addendum No. 01 INVITATION TO BID.: B22/23-01 Chabot College Site Improvements

To: All Prospective Bidders

This Addendum ONE (1) is issued to incorporate the following changes, additions or deletions to the IFB (B22/23-01). Any modifications/changes made by this addendum affect only the portions or paragraphs specifically identified herein; all remaining portions of the IFB (B22/23-01) to remain in force. It is the responsibility of all responders to conform to this addendum.

A. ADDITIONS, CHANGES AND/OR CLARIFICATIONS:

- A.** Updated Site Improvements Set (Attachment 1 and file "2022-07-27_01-119692_DWG_A_Site Improvements") with the following noted changes:
- i. Sheet C001: Provided "Inspection Requirements" section to require inspections discussed according to DSA specifications.
 - ii. Sheet C201: Cloud and note around southern parking bay located in Lot

B. ADDITIONAL CHABOT UTILITY MAP 2022 UPDATE PARTIAL SET 2022-08-15

All other terms and conditions remain unchanged.

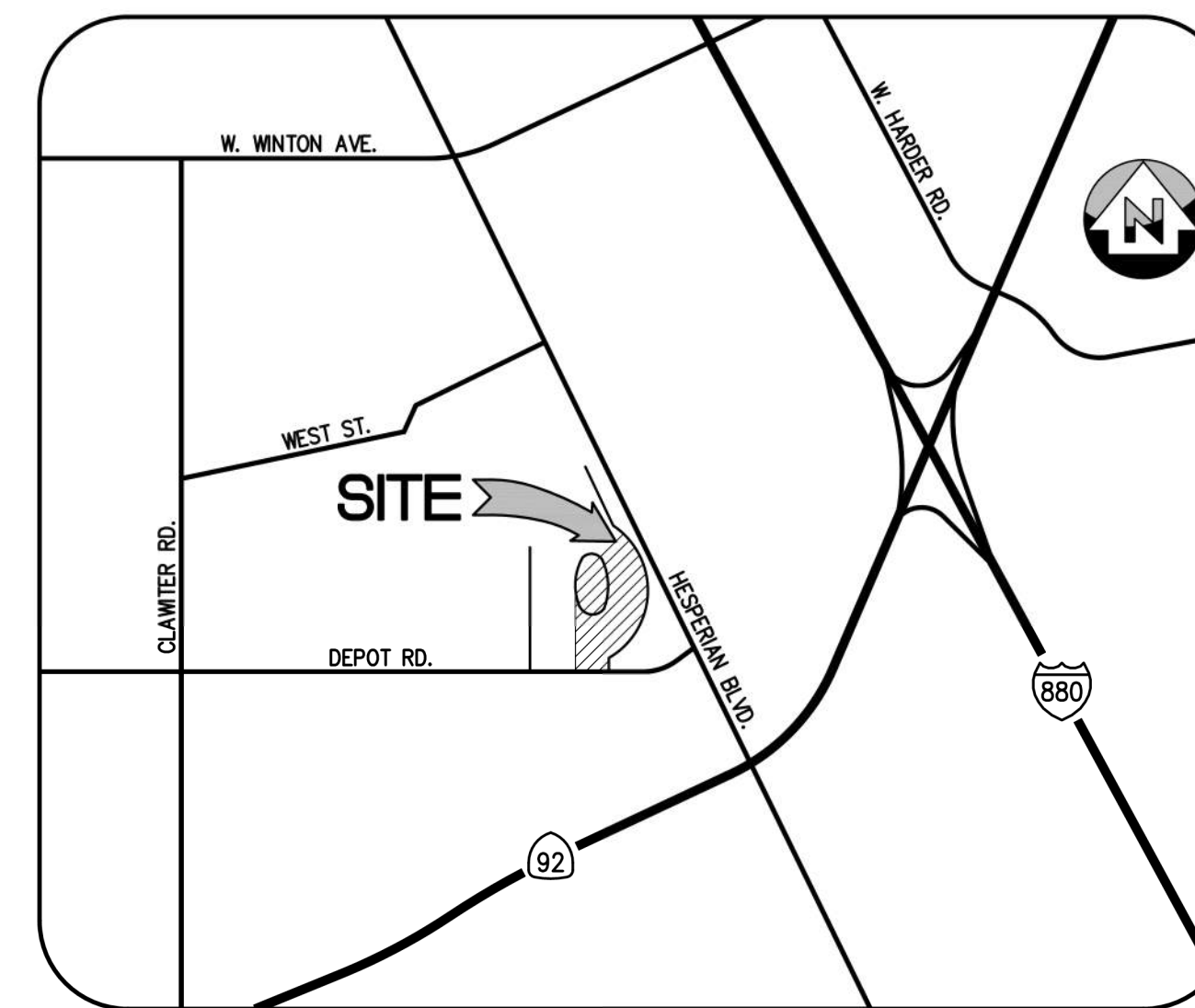
Michael McClung - Buyer, Purchasing and Warehouse Services
Chabot-Las Positas Community College District

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 35)
 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.

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C112	DEMOLITION PLAN
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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
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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

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CIVIL ENGINEER

SANDIS
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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

EXISTING	PROPOSED
SAWCUT AND CONFORM LINE	---
RETAINING WALL	=====
A.C. PAVEMENT	=====
CONC. VALLEY GUTTER	=====
CONC. SIDEWALK OR PAD	=====
6" CURB & GUTTER	=====
EDGE OF A.C. PAVEMENT	=====
6" VERTICAL CURB	=====
CENTER LINE	---
SANITARY SEWER MAIN	8" SS
STORM DRAIN MAIN	12" SD
PERFORATED PIPE	6" SD
WATER MAIN	6" W
FIRE WATER MAIN	4" FW
DOMESTIC WATER MAIN	6" DW
CHILLED WATER MAIN	4" CHW
IRRIGATION LINE	4" IRR
HOT WATER SUPPLY & RETURN	HWS-HWR
STEAM LINE	ST
TRENCH DRAIN	=====
CONDENSATE RETURN	CR
METAL BEAM GUARD RAIL	=====
SILT FENCE	=====
FLOW LINE	=====
CHAIN LINK FENCE	-----x-----
GAS MAIN	G
ELECTRIC AND SIGNAL DUCT BANK	E
OVERHEAD ELECTRIC LINE	OHE
UNDERGROUND ELECTRIC LINE	UGE
STREET LIGHT CONDUIT	SL
CONTOUR ELEVATION LINE	85
SPOT ELEVATION	95.94
DIRECTION OF SLOPE	2:1 1%
GAS METER	GM
GAS VALVE	GV
WATER METER	WM
WATER VALVE	WV
FIRE HYDRANT	FH
BACK FLOW PREVENTOR	BFP
POST INDICATOR VALVE	P
FIRE DEPARTMENT CONNECTION	FDC
WATER LINE TEE	WT
CAP AND PLUG END	CP
AIR RELEASE VALVE	ARV
SIGN	S
ACCESSIBLE RAMP	AR
CONCRETE THRUST BLOCK	CTB
REDUCER	R
SANITARY SEWER MANHOLE	SSM
SANITARY SEWER CLEANOUT	SSCO
STORM DRAIN MANHOLE	SDM
STORMCEPTOR	STC
STORM DRAIN AREA DRAIN	SDAD
STORM DRAIN CATCH BASIN	SDCB
STORM DRAIN CURB INLET	SDCI
STORM DRAIN CLEANOUT	SDCO
ELECTROLYER	EL
JOINT POLE	JP
OVERLAND RELEASE	OR
CONSTRUCTION DETAIL REFERENCE	CS01

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ASB	AGGREGATE SUBBASE
BC	BEGINNING OF CURVE
BFP	BACK FLOW PREVENTOR
BLDC	BUILDING CORNER
BUDG	BUILDING
BOD	BOTTOM OF DOCK
BOLLARD	BOLLARD
BOS	BOTTOM OF STEP
BOW	FS @ BOTTOM OF WALL
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
C	CONCRETE OR CIVIL
C&G	CURB AND GUTTER
CB	CATCH BASIN
CI	CURB INLET
CP	CAST IRON PIPE
CL	CENTER LINE OR CLASS
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCT
CY	CUBIC YARD
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DOM	DOMESTIC
DW	DOMESTIC WATER
DWG	DRAWING
E	EAST
EC	END OF CURVE
EP	EDGE OF PAVEMENT
ER	END OF RETURN
EVC	END VERTICAL CURVE
ELEV	ELEVATION
EX. EXIST.	EXISTING
FC	FACE OF CURB
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FOUND	FOUNDATION
FS	FINISHED SURFACE
FT	FOOT
FW	FIRE WATER
G	GROUND ELEVATION
GB	GRADE BREAK
GV	GATE VALVE
HCR	ACCESSIBLE RAMP
HP	HIGH POINT
INV	INVERT ELEVATION
JP	JOINT POLE
JT	JOINT TRENCH
LP	LIP OF GUTTER
LP	LOW POINT
LSA	LANDSCAPE ARCHITECT
MAX	MARKUM
MEP	MECHANICAL/ELECTRICAL/PLUMBING
MH	MANHOLE
MIN	MINIMUM
MPCV	MIDPOINT OF VERTICAL CURVE
MON	MONUMENT
N	NORTH
N.I.C.	NOT IN CONTRACT
ND	NUMBER
NTS	NOT TO SCALE
P	PAVEMENT ELEVATION
PCC	PORTLAND CEMENT CONCRETE / POINT OF CONTINUOUS CURVATURE
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
PMH	POWER MANHOLE
POC	POINT ON CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RC	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
R/W	RIGHT OF WAY
S	SLOPE OR SOUTH
S.A.D.	SEE ARCHITECTURAL DRAWINGS
SB	SEDIMENT BASIN
SD	STORM DRAIN
S.E.D.	SEE ELECTRICAL DRAWINGS
SF	SILT FENCE
SD	SUBGRADE
S.L.D.	SEE LANDSCAPE DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
SMH	SIGNAL MANHOLE
S.D.	SEE PLUMBING DRAWINGS
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
S/W	SIDEWALK
T	TOP OF CURB
TD	TRENCH DRAIN
TO	TOP OF DOCK
TOE	TOE OF SLOPE
TOS	TOP OF STAIR
TS	FG @ TOP OF WALL
TS	TOP OF SLAB
TRIP	TRIP
U	UNLESS OTHERWISE NOTED
UG	UNDERGROUND
U/C	VERTICAL CURVE
WM	WATER METER
WV	WATER VALVE
W	WEST
WWF	WELDED WIRE FABRIC
W	WITH

EXISTING PARKING LOT DSA APPLICATION #NO's

LOT	DSA APPLICATION #NO.
E	UNKNOWN
F	UNKNOWN
G	109173
H	119234

PARKING COUNT

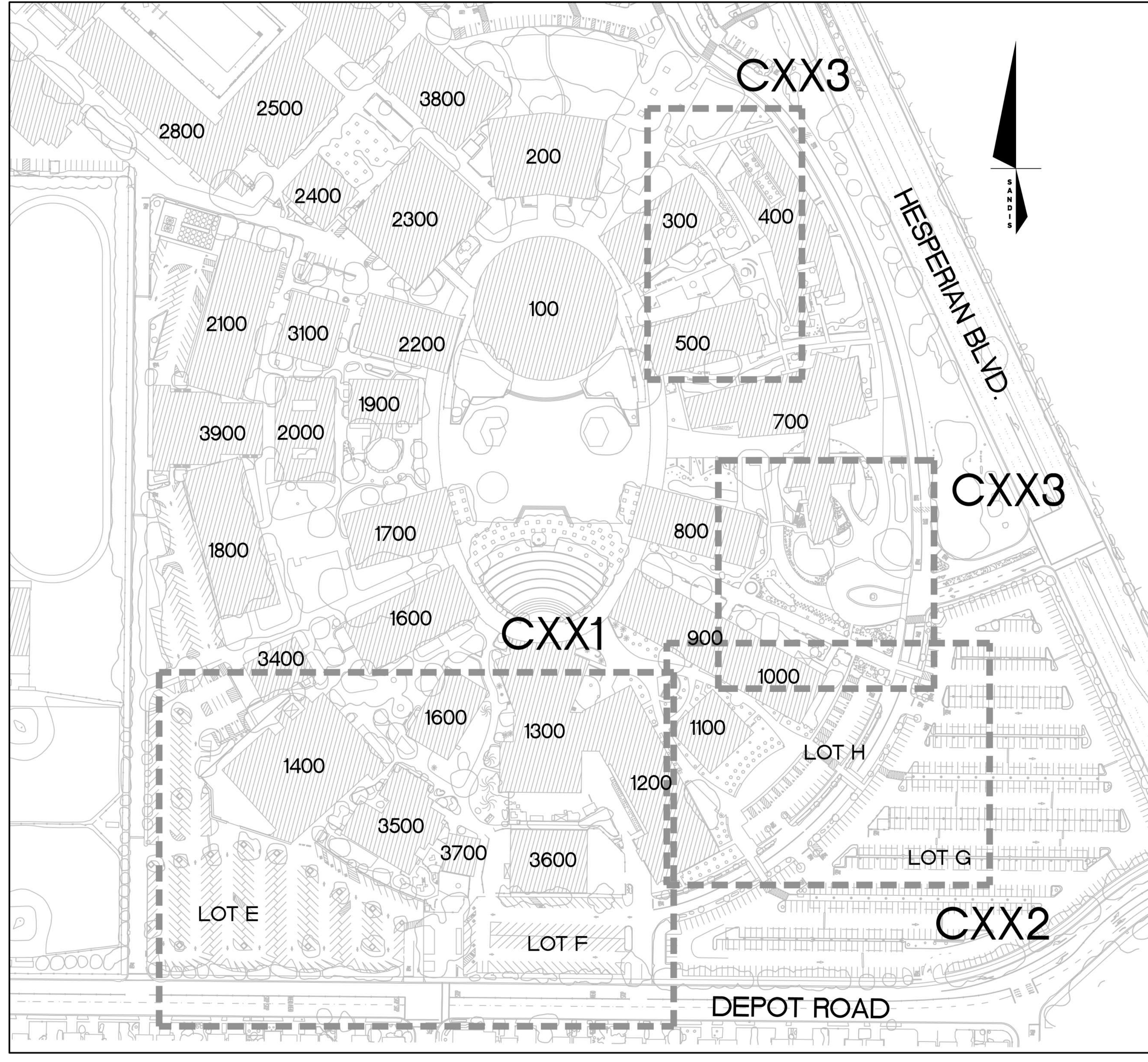
LOT	USE	TOTAL SPACES
E	STUDENT	267

F	STAFF	84
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REQUIRED ACCESSIBLE SPACES:	7 < 10 PROVIDED
REQUIRED ACCESSIBLE STANDARD SPACES:	3 < 7 PROVIDED
REQUIRED ACCESSIBLE VAN SPACES:	2 < 3 PROVIDED

REQUIRED ACCESSIBLE SPACES:	4 = 4 PROVIDED
REQUIRED ACCESSIBLE STANDARD SPACES:	3 = 3 PROVIDED
REQUIRED ACCESSIBLE VAN SPACES:	1 = 1 PROVIDED

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. All changes to the plans must be in writing and must be approved by the preparer of the 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, AND THE SOUTHERLY LINE OF TRACT 1407, WHICH IS OUR NORTHERLY BOUNDARY. THE WESTERLY BOUNDARY WAS ESTABLISHED BY FINDING PROPERTY PIPES ON BOTH SIDES OF THE COURSE SHOWN ON TRACT 6713 AS "N79-02-25E 221.80" THE METES AND BOUNDS DESCRIPTION PER DEED CONNECTED CENTERLINE MONUMENTS ON HESPERIAN BOULEVARD ON OUR EASTERLY LINE, AND THE EXTERIOR BOUNDARY OF TRACT 6713 ON OUR WESTERLY LINE, TO THE ORIGINAL CENTERLINE OF DEPOT ROAD, WHEN IT WAS A 50' RIGHT-OF-WAY. (DATA TAKEN FROM TITLE REPORT SUPPLIED BY OWNER, DATED APRIL 27, 1964.) UTILITIES

BENCHMARK NOTE

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

BASIS OF BEARINGS

FOUND PK NAIL IN NORTHWEST 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'

INSPECTION REQUIREMENTS

CONTRACTOR TO COORDINATE WITH DISTRICT FOR THE FOLLOWING INSPECTIONS IN THE FIELD AND HAVE RESULTS AVAILABLE UPON REQUEST FOR DSA INSPECTOR UPON PROJECT COMPLETION.
 1. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND INSPECT LIFT THICKNESS, PLACEMENT AND COMPACTION DURING PLACEMENT OF FILL.
 2. SOIL COMPACTION TESTING



CONSTRUCTION NOTES

- ALL OFF-SITE CONSTRUCTION MATERIAL AND METHODS SHALL COMPLY WITH THE LATEST EDITIONS OF THE CITY OF HAYWARD STANDARD PLANS & SPECIFICATIONS AND THE LATEST EDITIONS OF STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE POLICE AND FIRE DEPARTMENTS.
- CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM CITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPMENT'S CONSTRUCTION ACTIVITIES.
- 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).
- 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.
- ALL MATERIALS, REQUIRED FOR THE COMPLETE EXECUTION OF THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ENCROACHMENT, EXCAVATION, CONCRETE, ELECTRICAL, PLUMBING, ETC. PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION FOR ANY WORK.
- THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR REPRESENTATIVE ON SITE AT ALL TIMES DURING CONSTRUCTION.
- STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT ON CITY STREETS WILL NOT BE PERMITTED.
- CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MUFFLED. UNNECESSARY IDLING OF GRADING CONSTRUCTION EQUIPMENT IS PROHIBITED.
- CONSTRUCTION EQUIPMENT, TOOLS, ETC. SHALL NOT BE CLEANED OR RINSED INTO A STREET, GUTTER OR STORM DRAIN.
- 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.
- 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.
- ANY TEMPORARY ON-SITE CONSTRUCTION FINISHES SHALL BE SECURELY COVERED WITH A TARP OR OTHER DEVICE TO CONTAIN DEBRIS.
- CONCRETE TRUCKS AND CONCRETE FINISHING OPERATIONS SHALL NOT DISCHARGE WASH WATER INTO THE STREET GUTTERS OR DRAINS.
- 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



DATE: 8/18/2021
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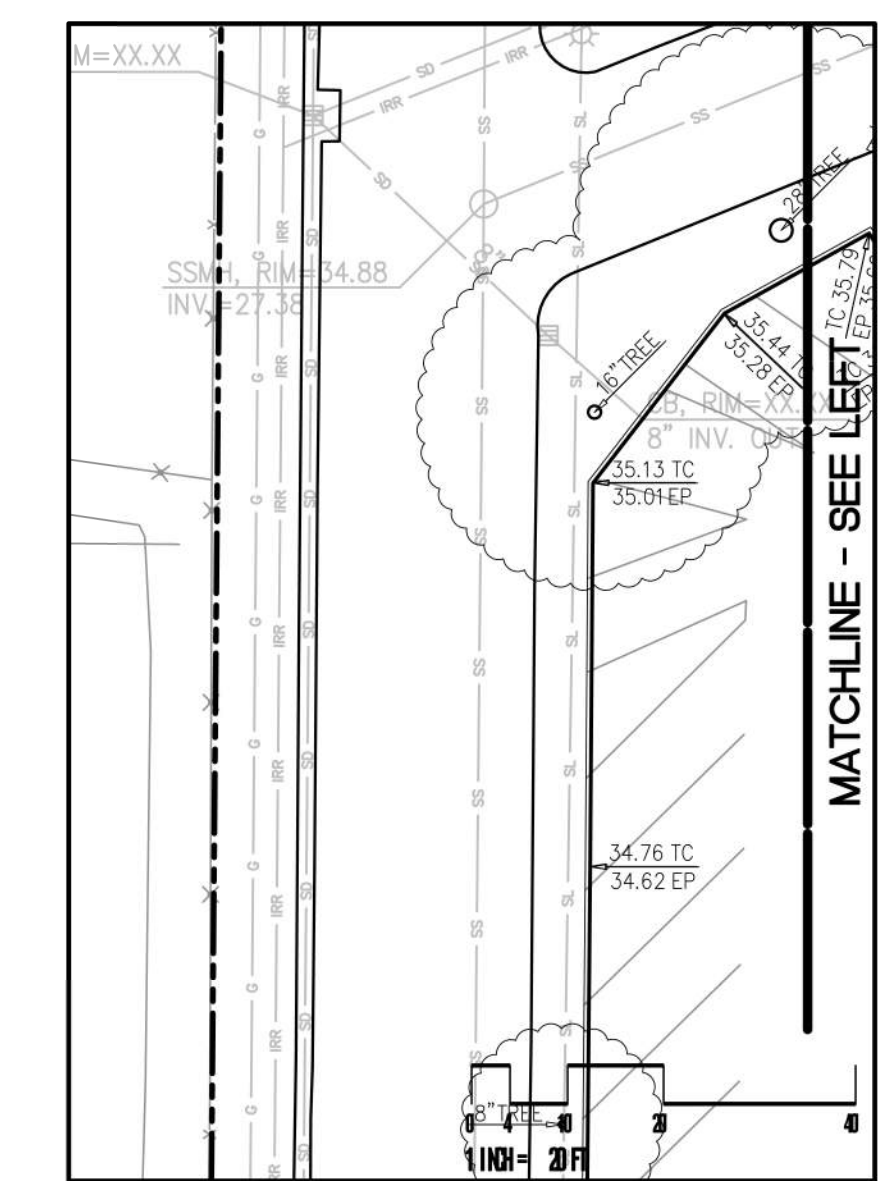
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CHABOT COLLEGE PATHWAY AND PARKING LOT IMPROVEMENTS

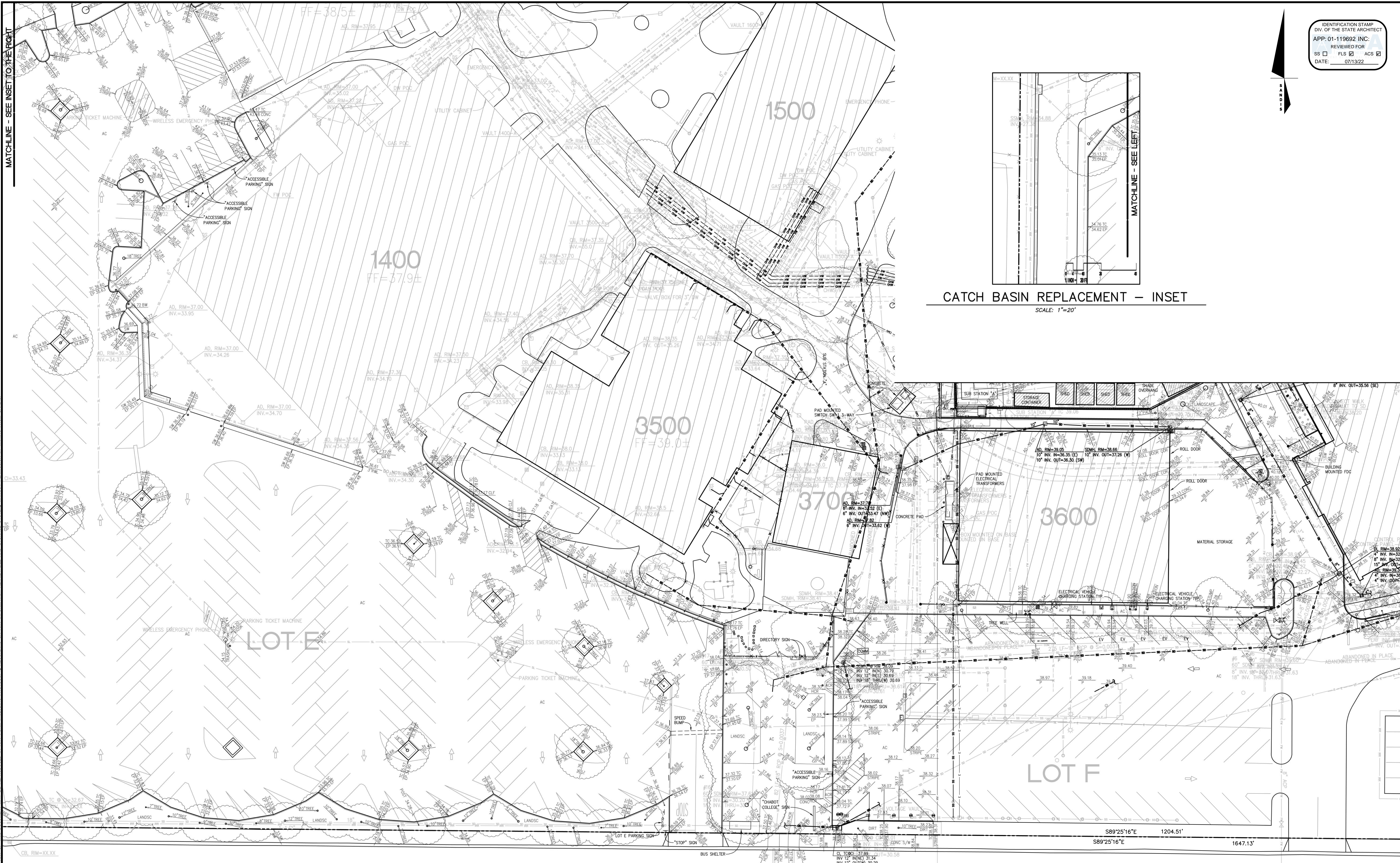
NOTES, LEGEND, AND ABBREVIATIONS C001 SHEET CALIFORNIA

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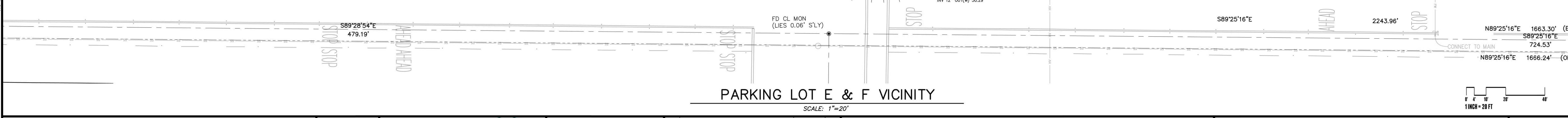
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 01-119692 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 07/13/22



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



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



SANDIS
BIDON
 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
 REGISTERED PROFESSIONAL ENGINEER
 No. 70870
 CIVIL
 STATE OF CALIFORNIA

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

TOPOGRAPHIC SURVEY
 SHEET
C101

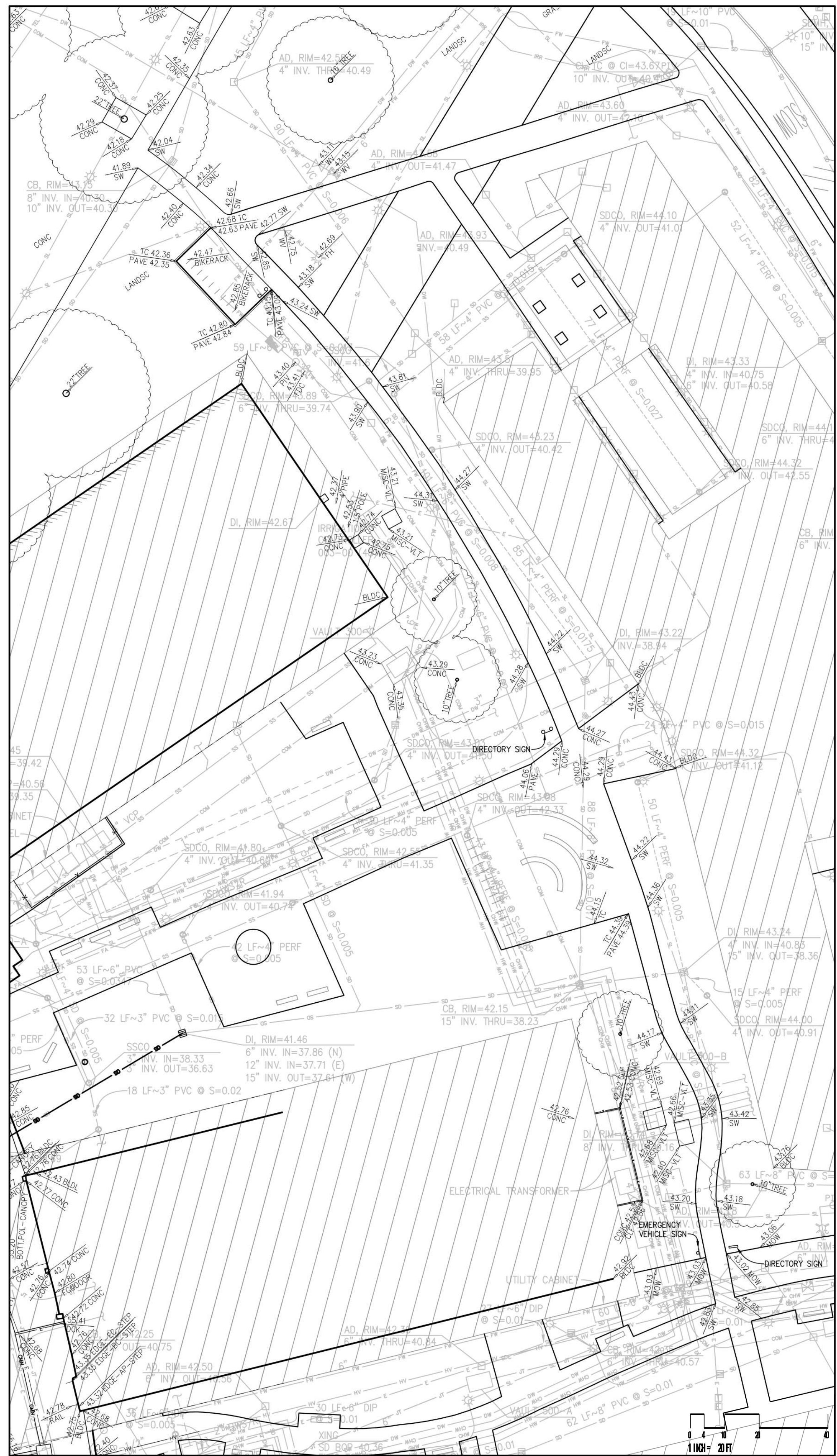
File: X:\P\618201.A\4 ENGINEERING\2 PLAN SETS\3 SHEET SET\ONSITE\C101.dwg Date: Jul 12, 2022 - 8:36 AM

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BUILDING 700 VICINITY

SCALE: 1"=20'



BUILDING 400 VICINITY

SCALE: 1"=20'

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 PROJECT No.: 618201.A
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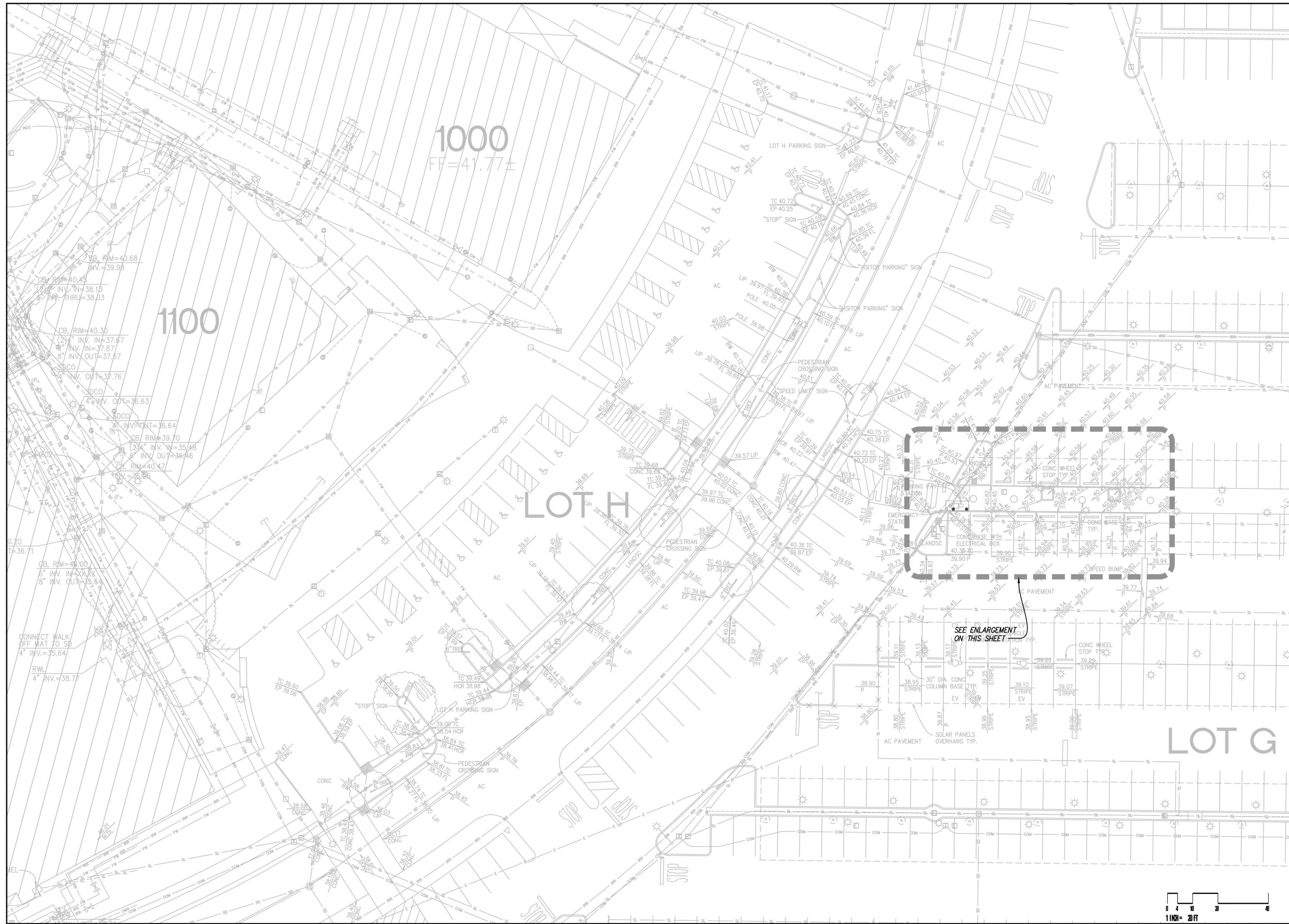
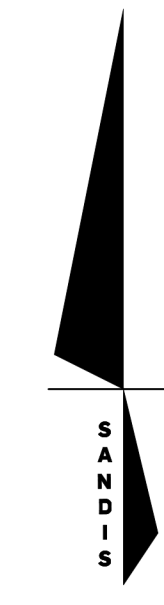
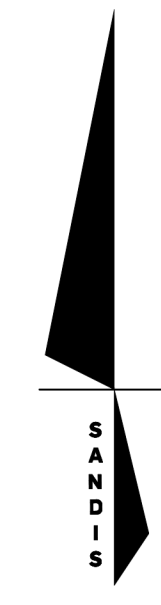
SEAL: [Professional Engineer Seal for Michael A. Kuykendall, No. 70870, Exp. 6/30/23]

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CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS
 CALIFORNIA

TOPOGRAPHIC SURVEY

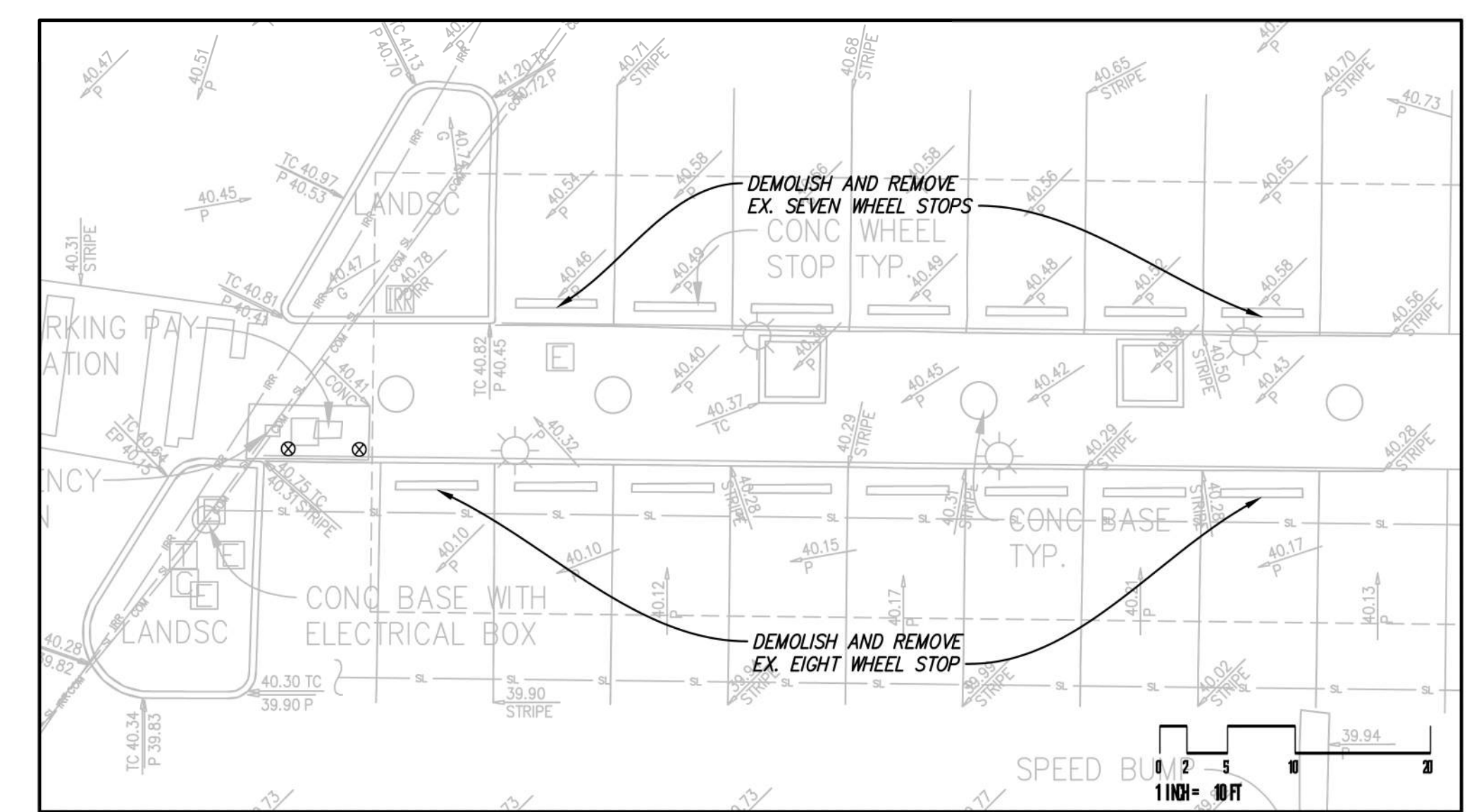
SHEET
C103



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

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



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

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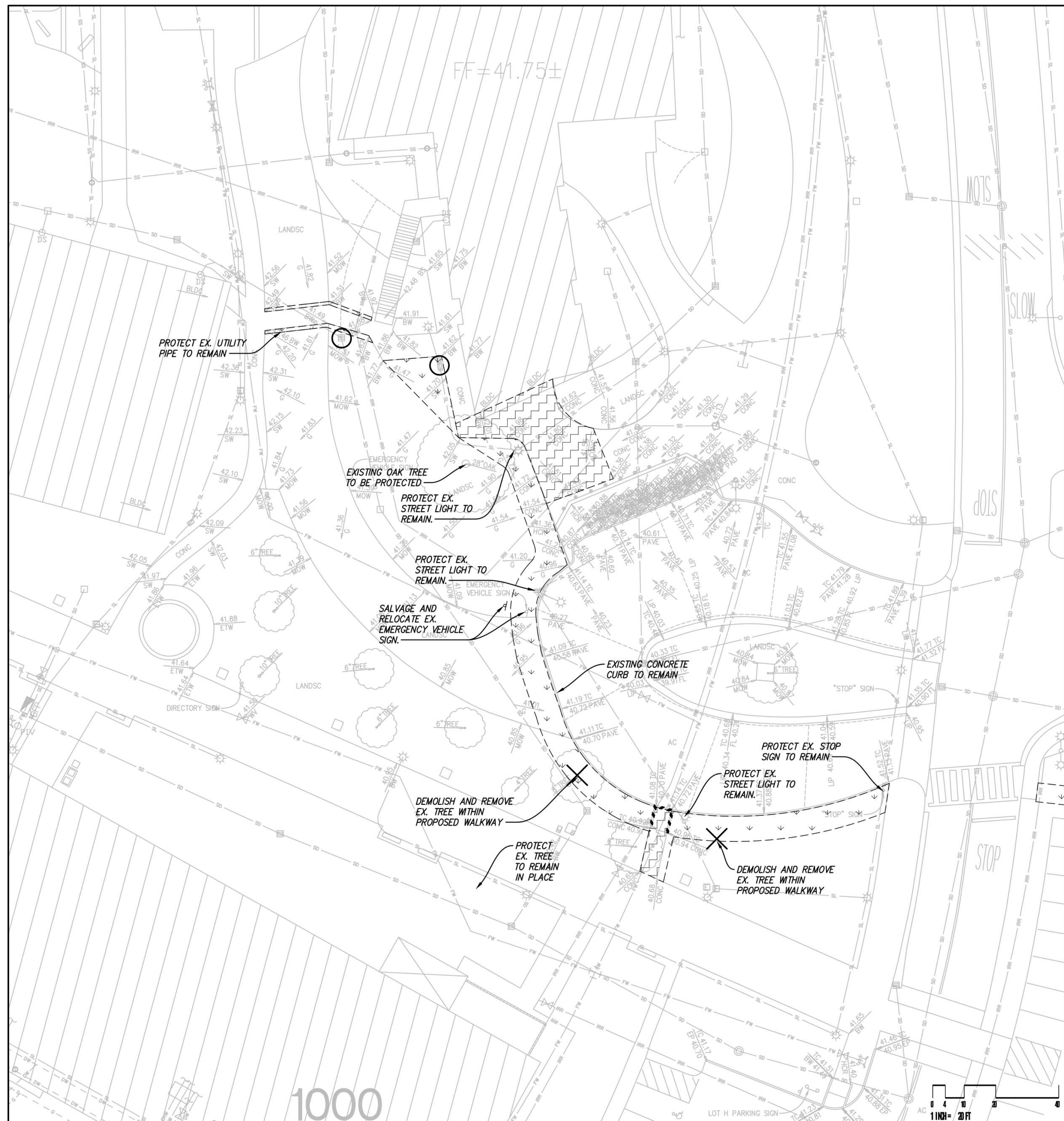
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	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS**

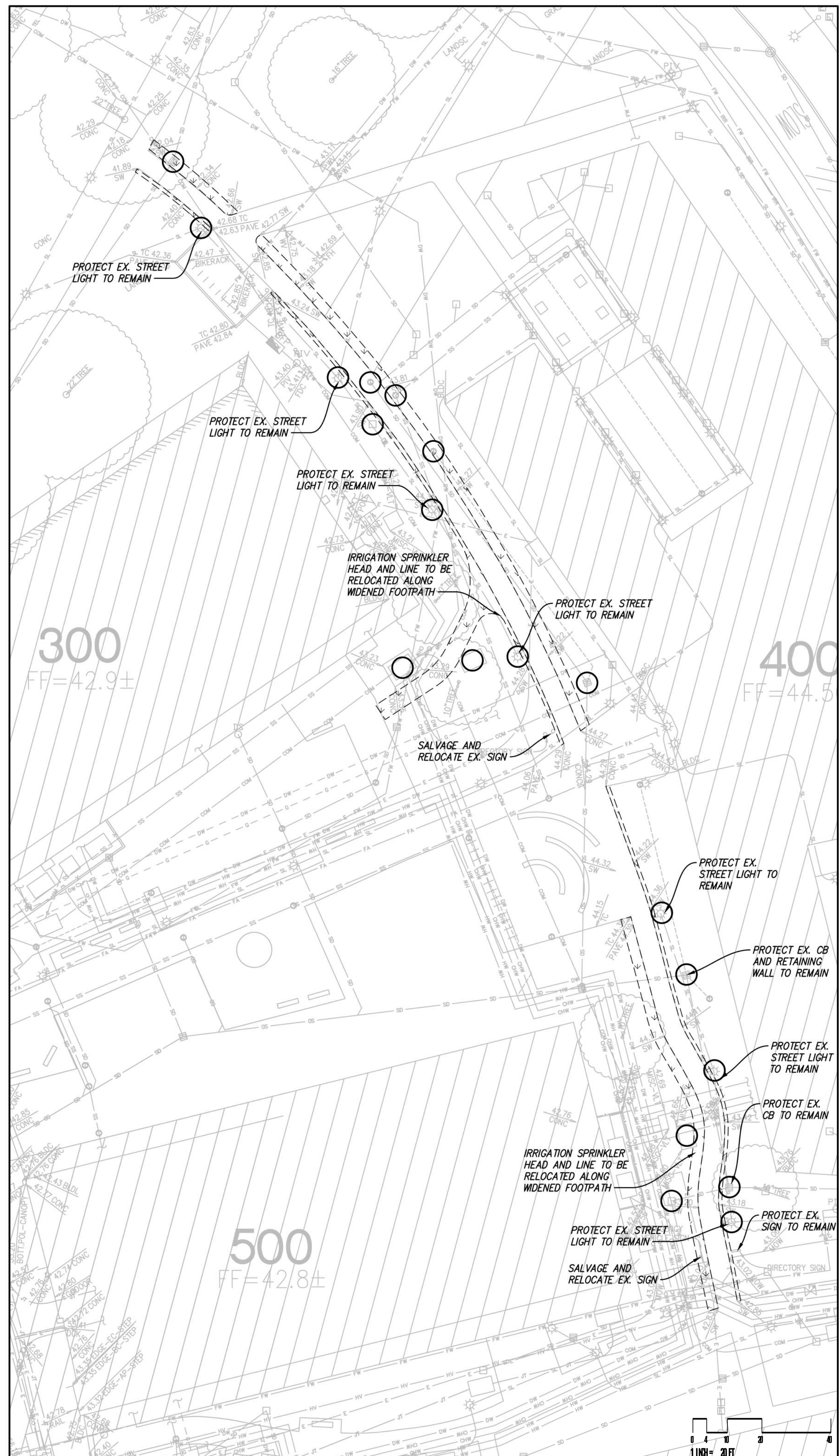
CALIFORNIA

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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BIDON
 ENGINEERS

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

SEAL:

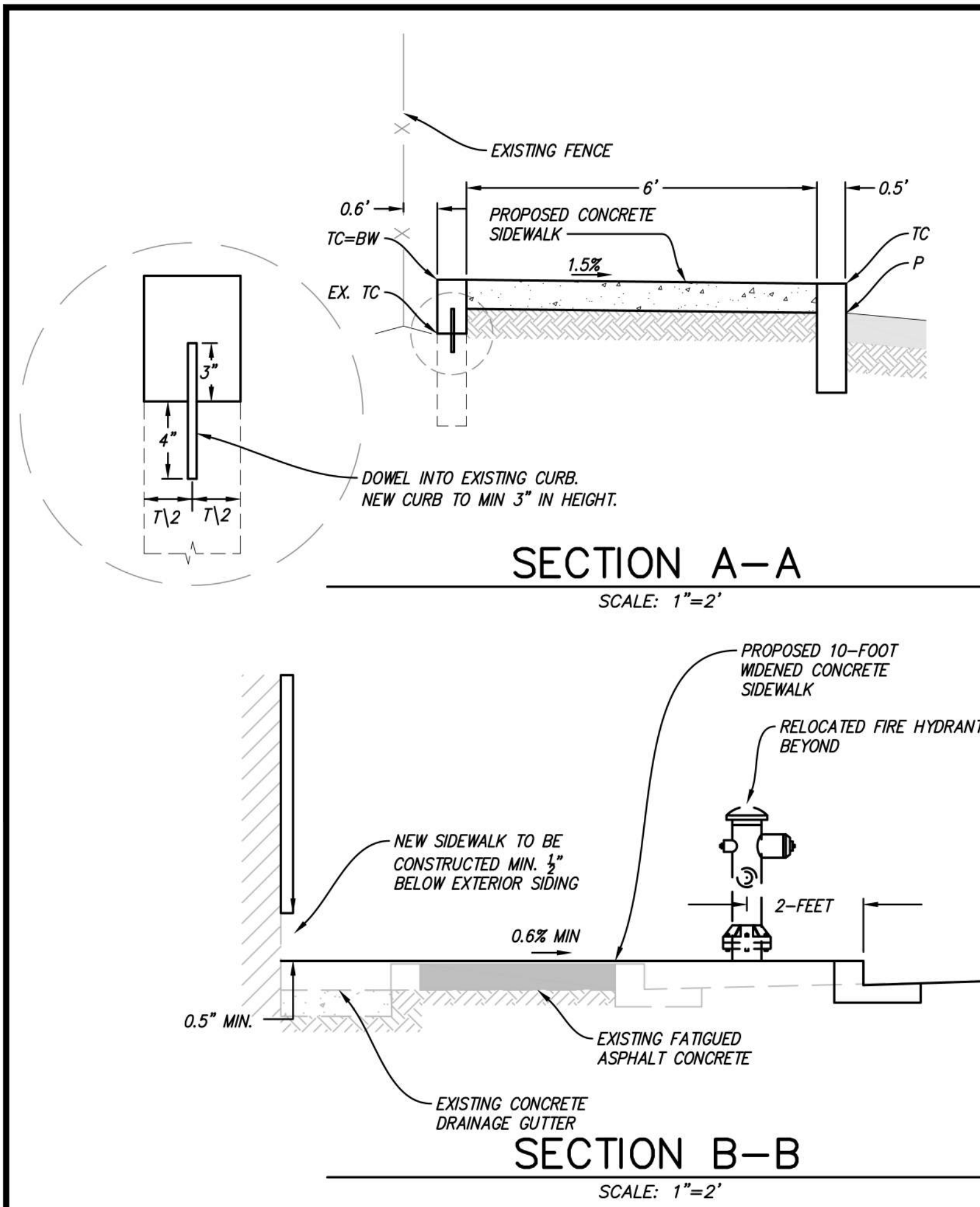
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	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

DEMOLITION PLAN

SHEET
C113



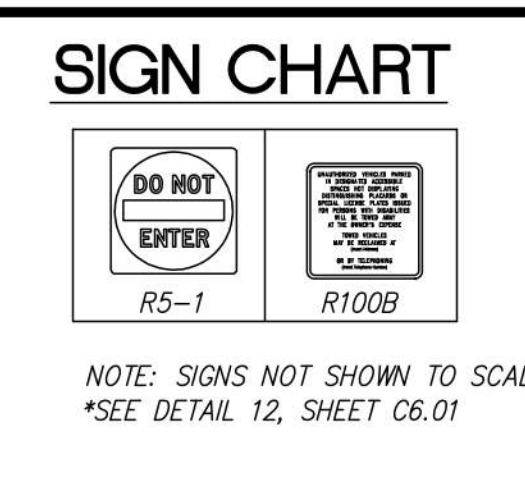
LINE	BEARING	LENGTH
L1	S0°38'04"W	1.14'
L2	N89°29'18"W	1.80'
L3	N0°30'42"E	1.00'
L4	N89°29'18"W	2.00'
L5	N0°30'42"E	1.00'
L6	N89°29'18"W	26.52'
L7	S0°30'42"W	12.00'
L8	N89°29'18"W	2.50'
L9	N0°30'42"E	12.00'
L10	N89°29'18"W	61.00'
L11	S0°30'42"W	11.90'
L12	N89°29'18"W	2.50'
L13	N0°30'42"E	11.90'
L14	N89°29'18"W	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°29'07"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"W	5.08'
L56	N0°30'42"E	6.78'
L57	S89°29'18"W	228.61'
L58	S0°30'42"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"W	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"

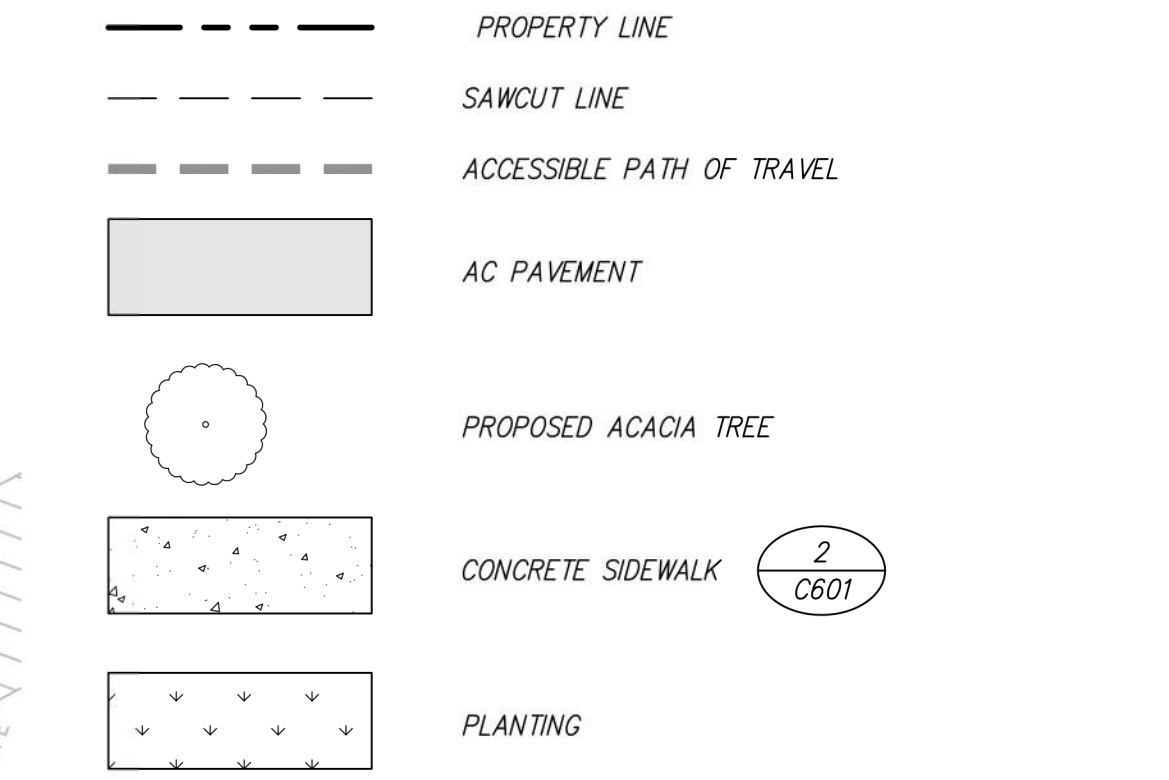


PARKING LOT F STALL SUMMARY

EXISTING STALLS TO BE REMOVED = 69
NEW STALLS = 84
CHANGE = +15

PARKING LOT E STALL SUMMARY

EXISTING STALLS TO BE REMOVED = 55
NEW STALLS = 52
CHANGE = -3



SHEET NOTES

RED CURB LIMITS WITH STENCIL "NO PARKING - FIRE LANE - CVC 22500.1" IN WHITE PER CFC 503.3 AND DSA POLICY 07-03.

6-INCH RED TRAFFIC GRADE PAINT ON ASPHALT PAVEMENT TO SHOW OUTLINE OF FIRE LANE. THE WORDS "NO PARKING - FIRE LANE - CVC 22500.1" SHALL APPEAR IN 4-INCH HIGH WHITE LETTERS AT 15-FOOT INTERVALS ON THE RED BORDER ALONG BOTH SIDES OF THE FIRE LANE.

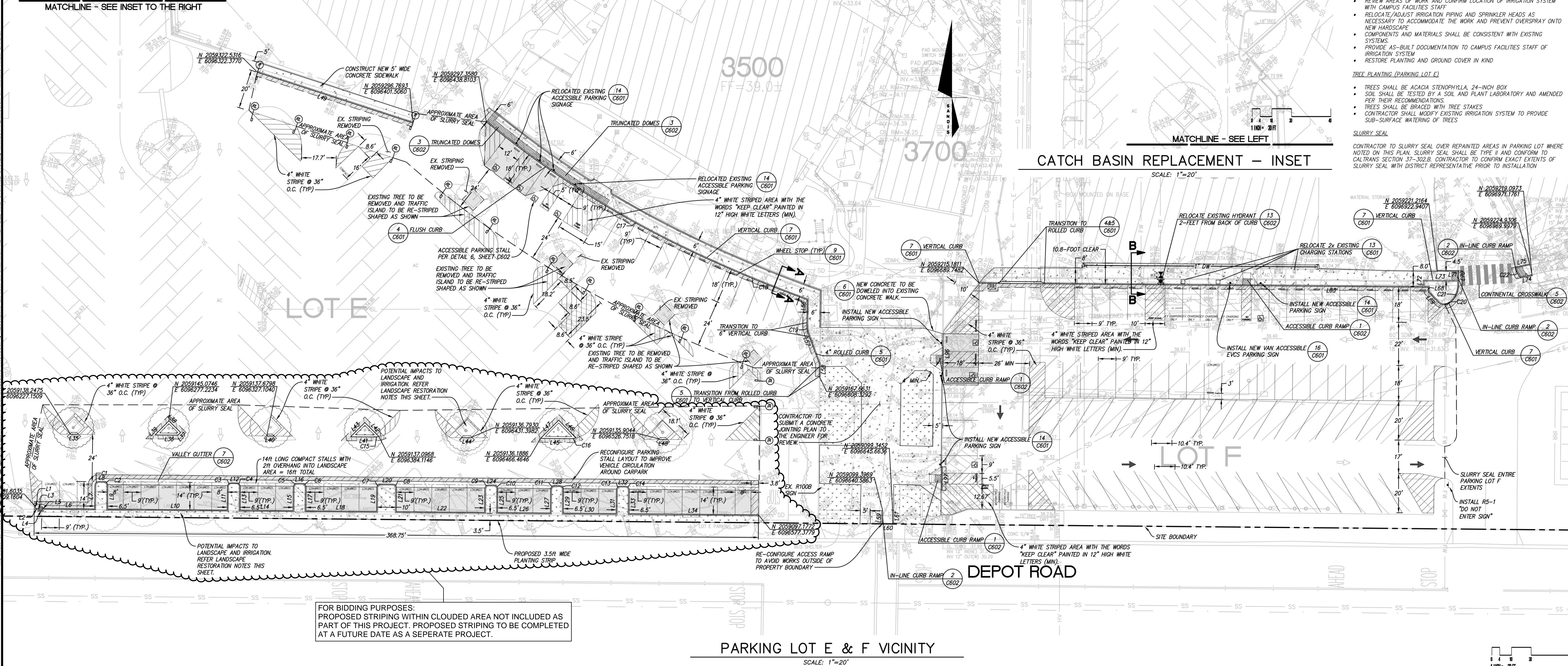
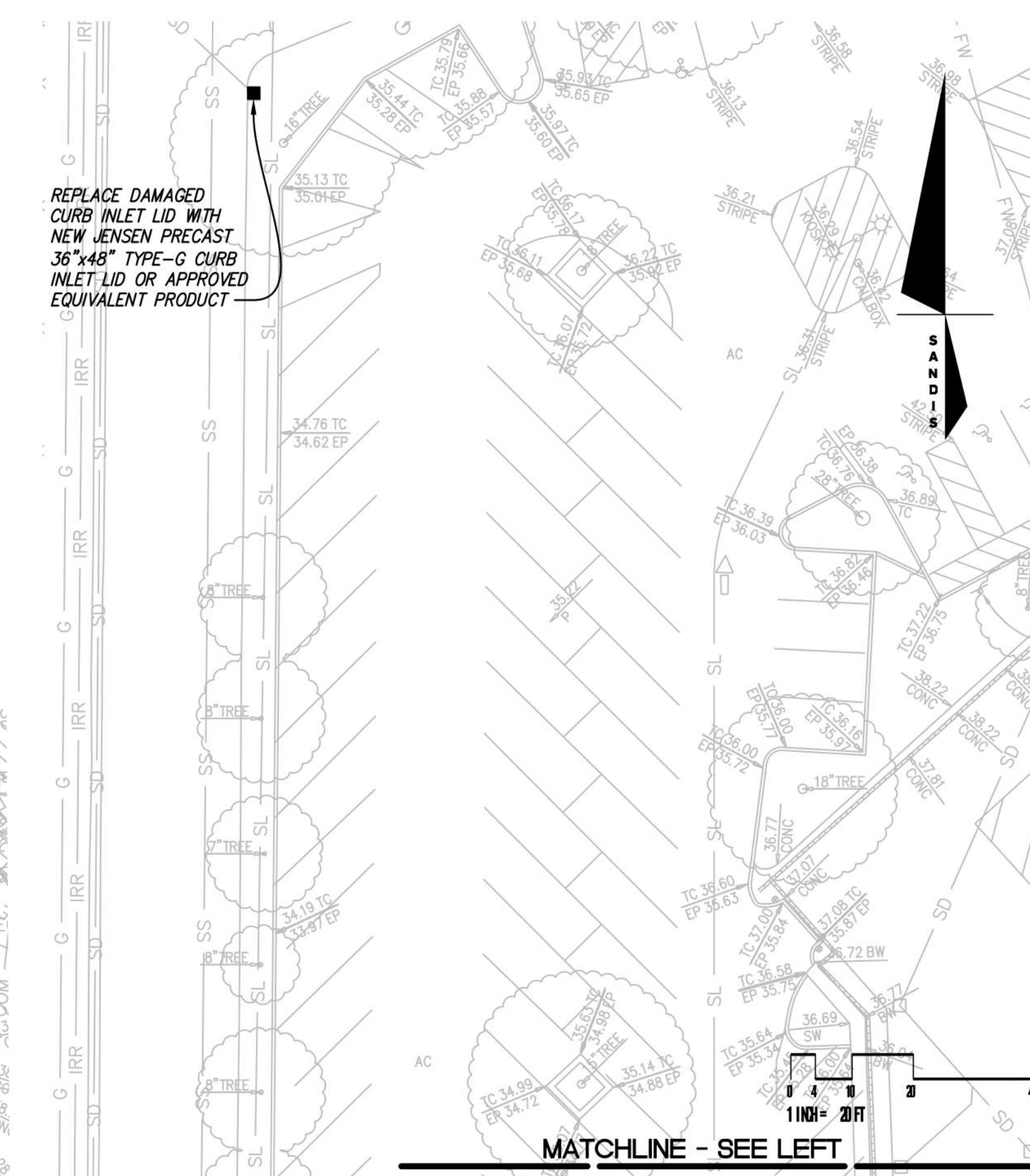
LANDSCAPE RESTORATION
THE CONTRACTOR IS RESPONSIBLE FOR RESTORING LANDSCAPING AND IRRIGATION SYSTEMS TO THEIR ORIGINAL FUNCTIONING CONDITION WHERE DISTURBED BY THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE:

- 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

TREE PLANTING (PARKING LOT F)

- TREES SHALL BE ACACIA STENOPHYLLA, 24-INCH BOX
- SOIL SHALL BE TESTED BY A SOIL AND PLANT LABORATORY AND AMENDED PER THEIR RECOMMENDATIONS.
- TREES SHALL BE BRACED WITH TREE STAKES
- CONTRACTOR SHALL MODIFY EXISTING IRRIGATION SYSTEM TO PROVIDE SUB-SURFACE WATERING OF TREES

SLURRY SEAL
CONTRACTOR TO SLURRY SEAL OVER REPAIRED AREAS IN PARKING LOT WHERE NOTED ON THIS PLAN. SLURRY SEAL SHALL BE TYPE II AND CONFORM TO CALTRANS SECTION 77-302.B. CONTRACTOR TO CONFIRM EXACT EXTENTS OF SLURRY SEAL WITH DISTRICT REPRESENTATIVE PRIOR TO INSTALLATION.

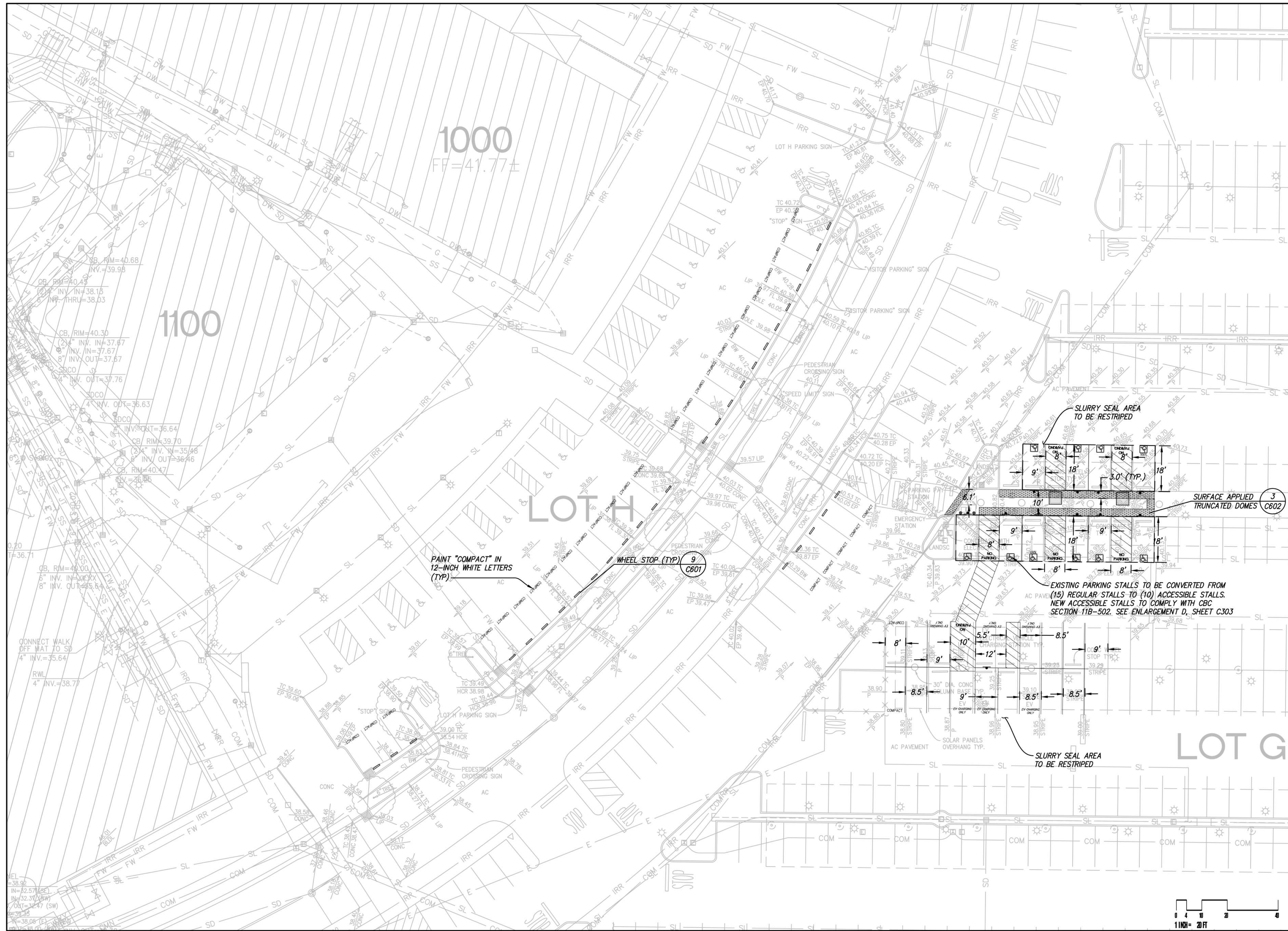
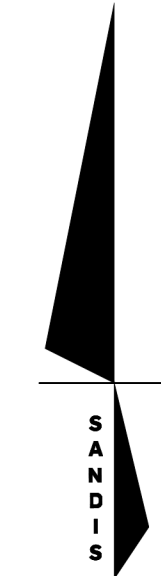


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SCALE: 1"=20'
PROJECT No.: 618201.A
MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6-30-23

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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
C601
- PLANTING

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

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**CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

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

SHEET
C202

SITE LEGEND

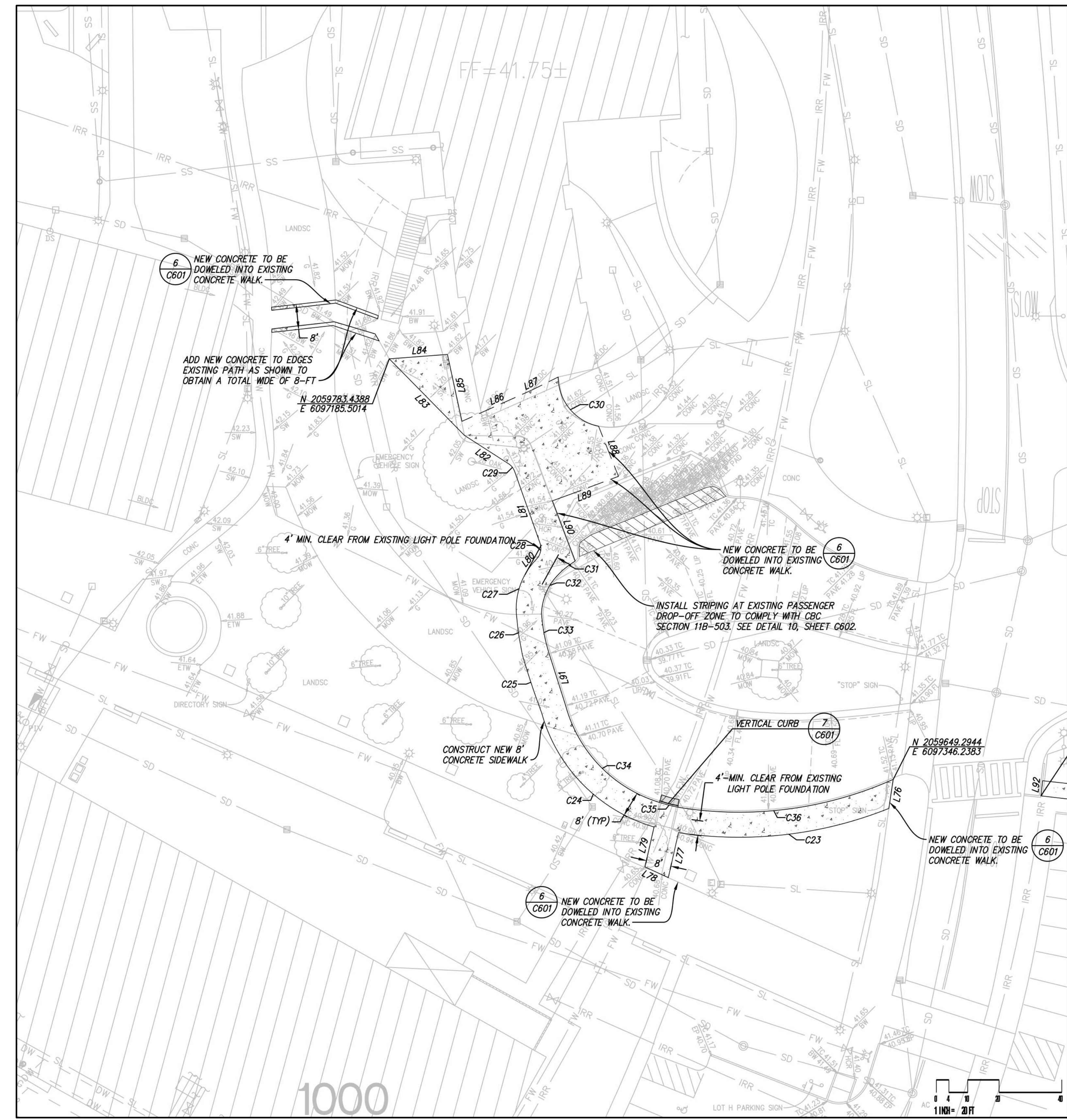
- PROPERTY LINE
- - - SAWCUT LINE
- AC PAVEMENT
- DEEP LIFT
- CONCRETE SIDEWALK (2 C601)
- PLANTING

SHEET NOTES

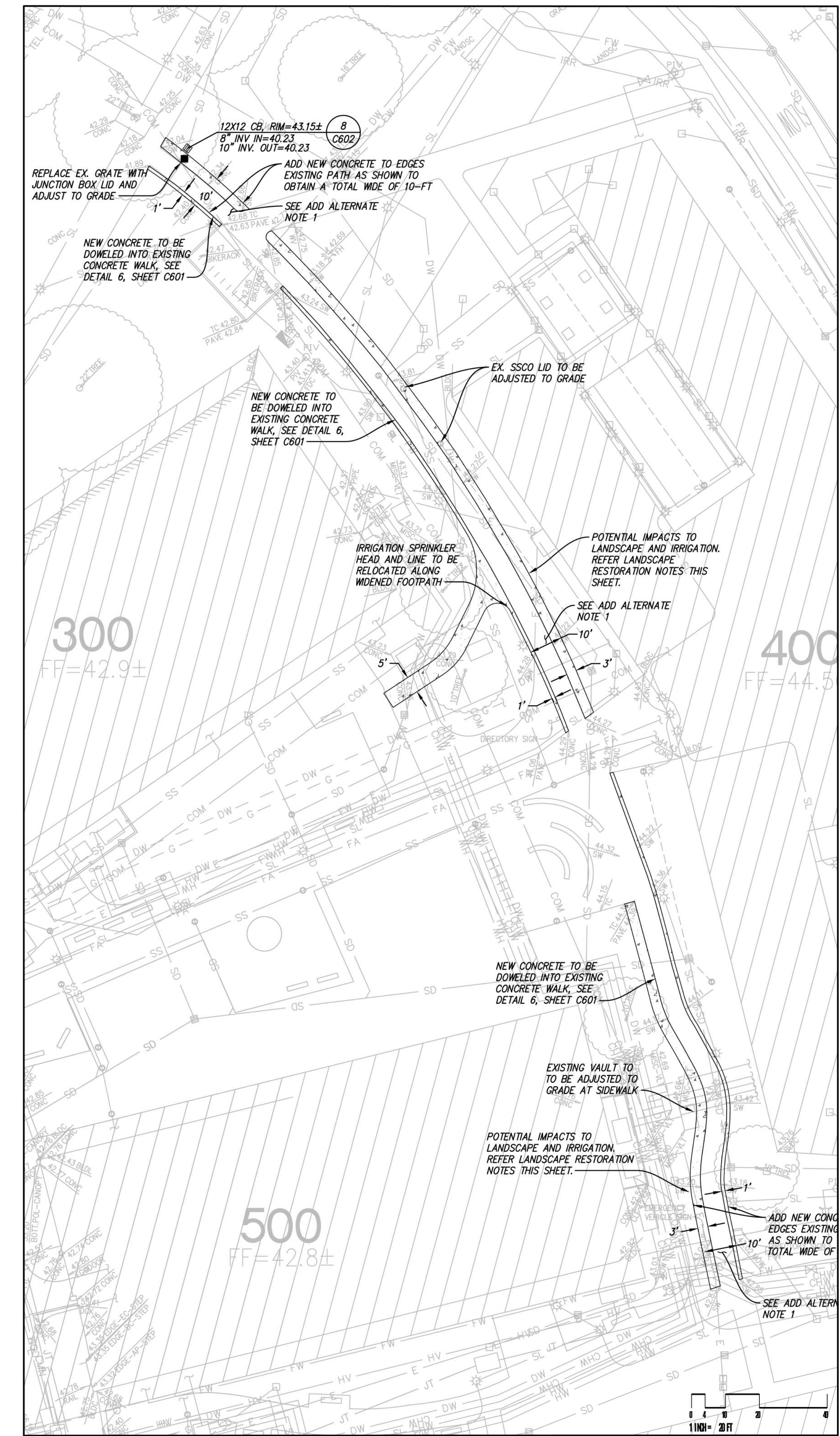
- LANDSCAPE RESTORATION**
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 - RELOCATE/ADJUST IRRIGATION PIPING AND SPRINKLER HEADS AS NECESSARY TO ACCOMMODATE THE WORK AND PREVENT OVERSPRAY ONTO NEW HARDSCAPE
 - COMPONENTS AND MATERIALS SHALL BE CONSISTENT WITH EXISTING SYSTEMS
 - PROVIDE AS-BUILT 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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**CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

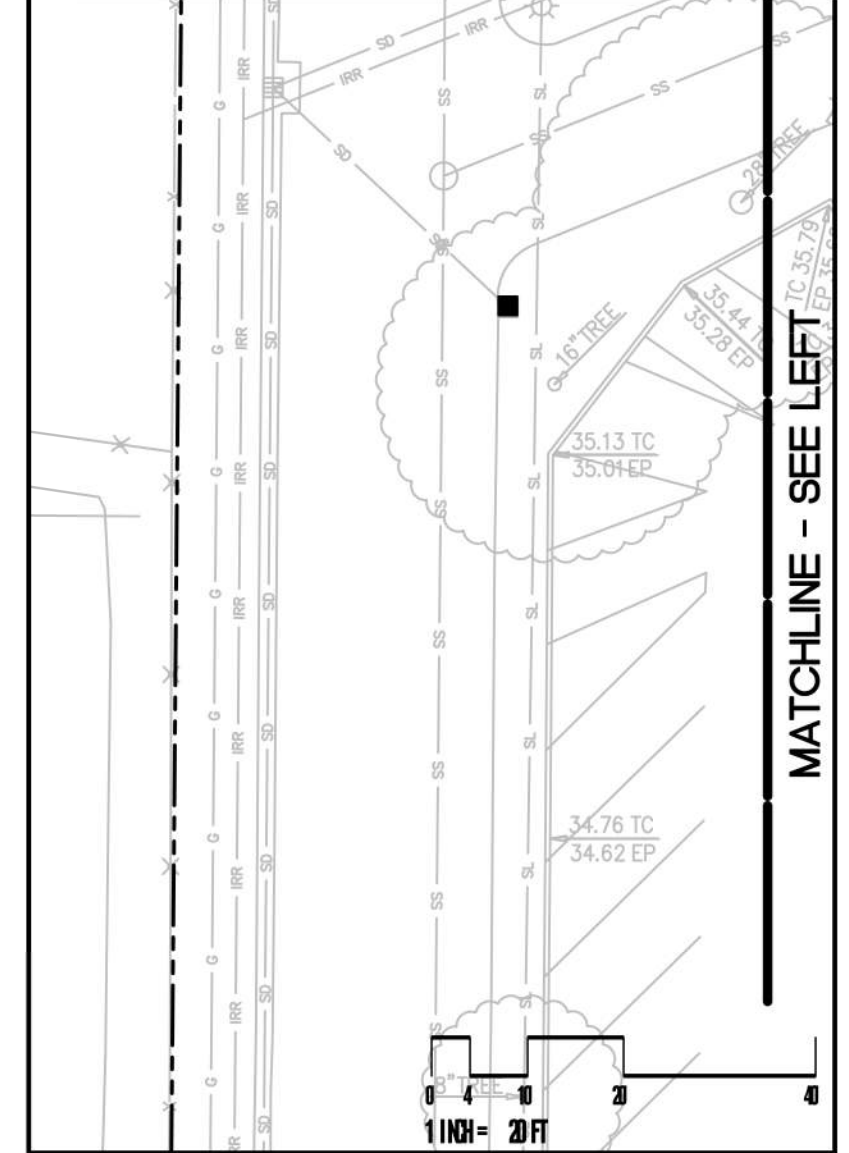
**SITE, HORIZONTAL CONTROL, AND
 STRIPING PLAN**

SHEET
C203



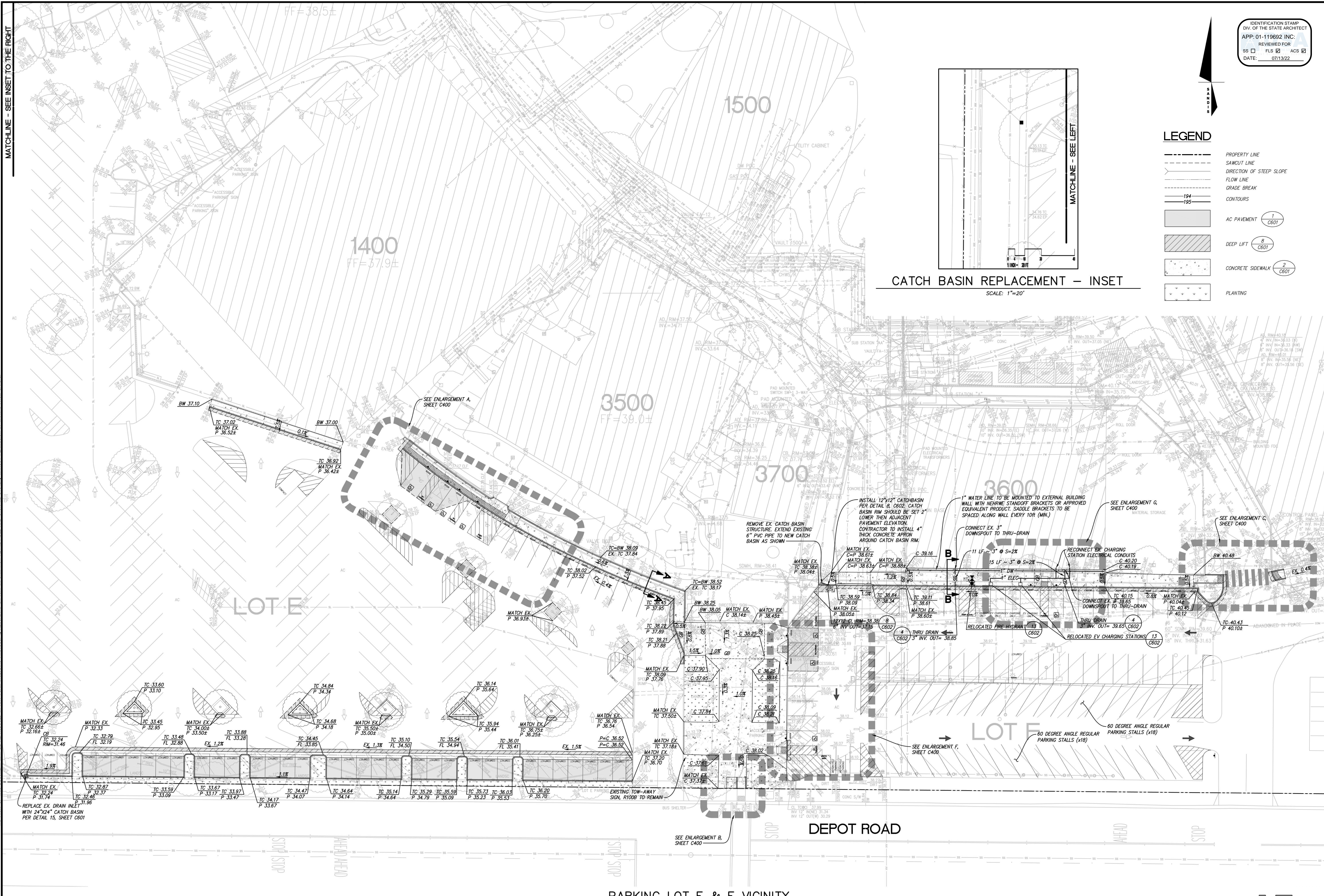
LEGEND

- 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'



PARKING LOT E & F VICINITY

SCALE: 1"=20'



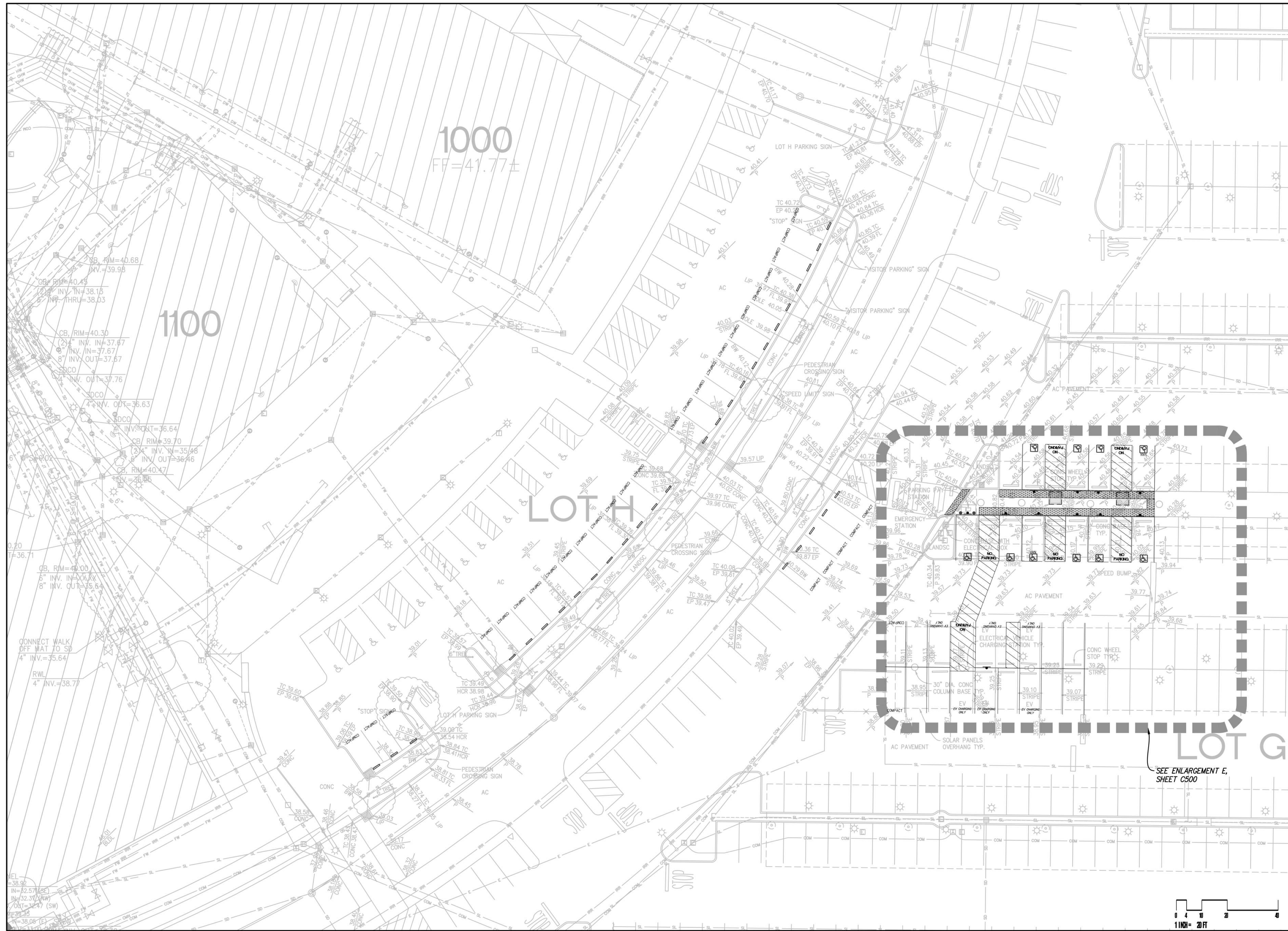
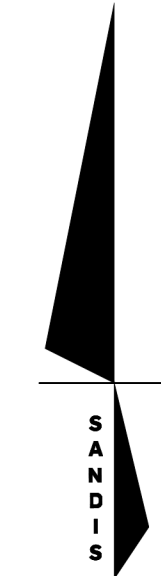
SANDIS
 BUDON
 SHEET

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CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS
 CALIFORNIA

GRADING & UTILITY PLAN
 SHEET
C301



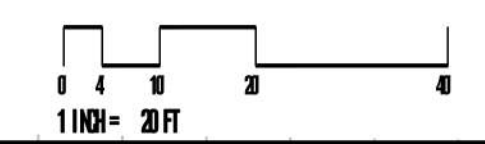
LEGEND

- 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



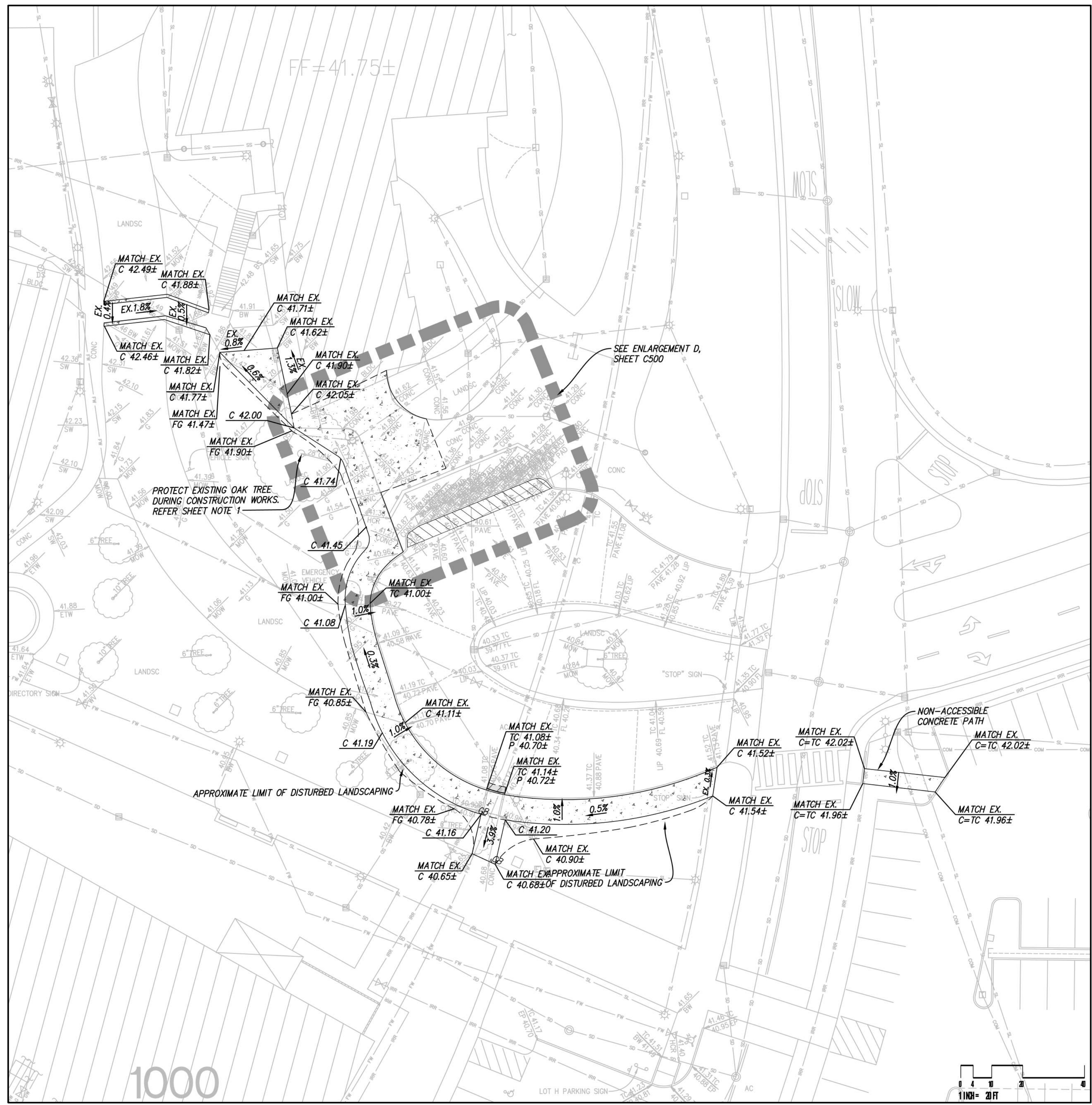
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	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS**

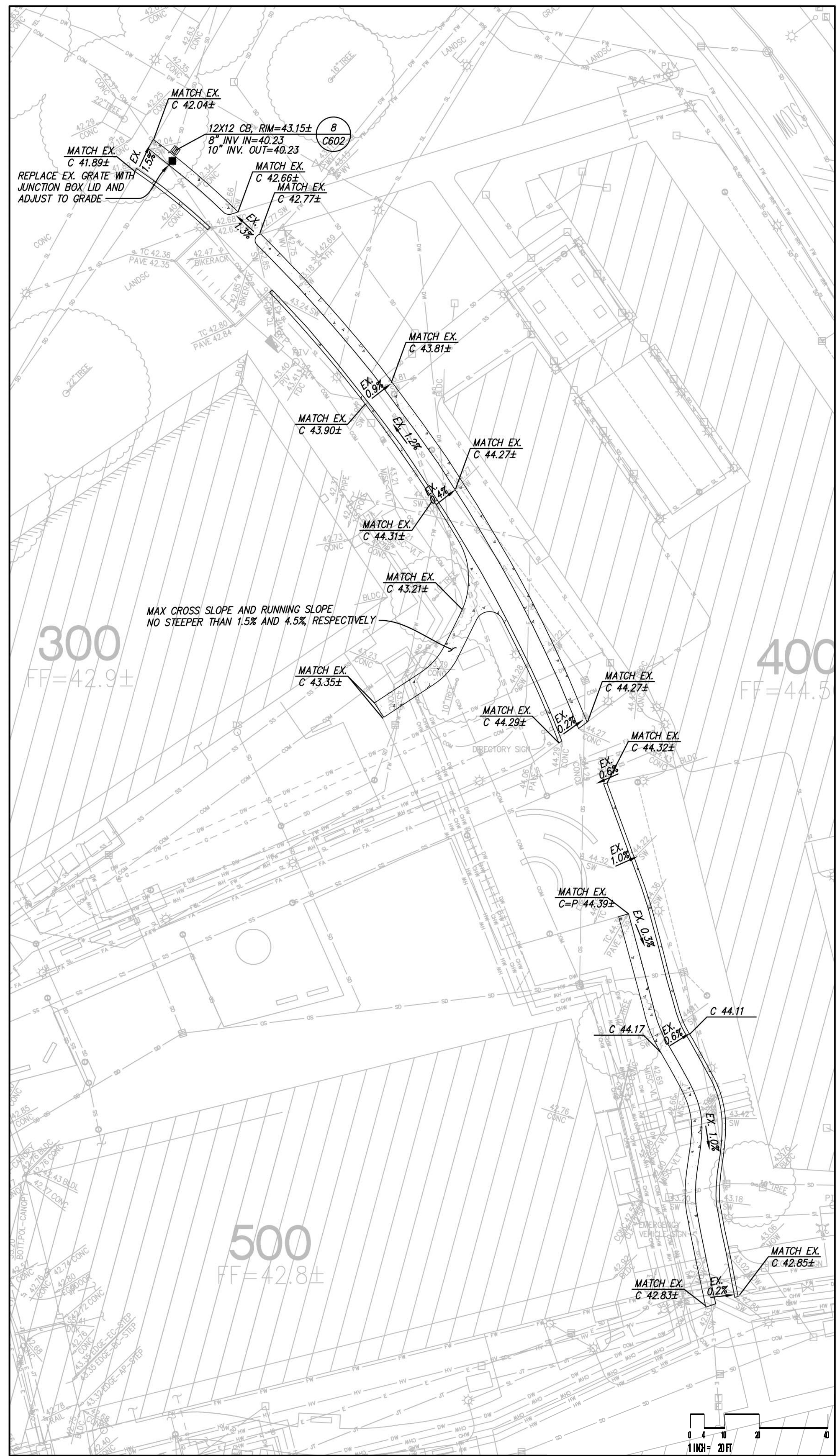
CALIFORNIA

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

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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

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

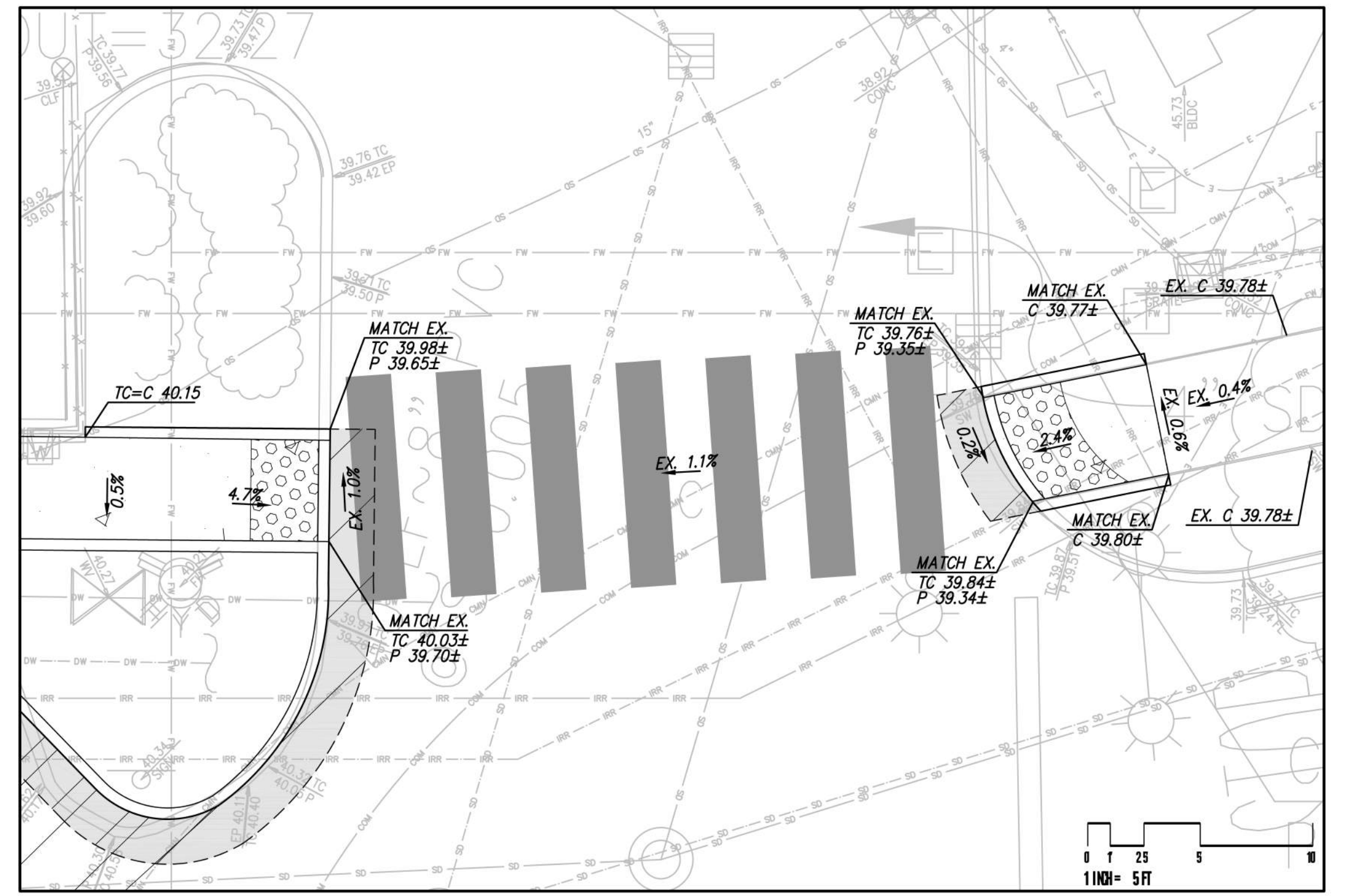
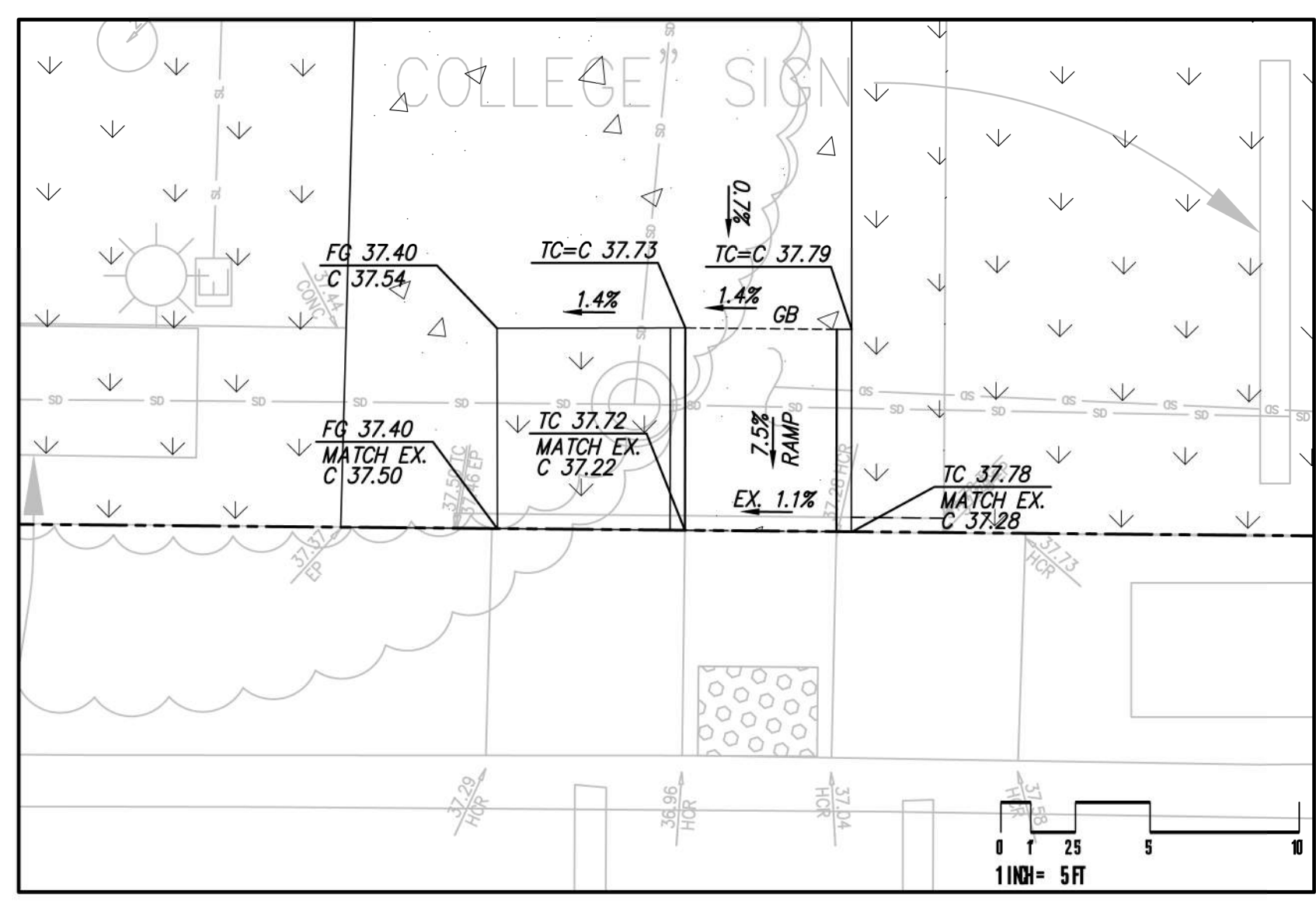
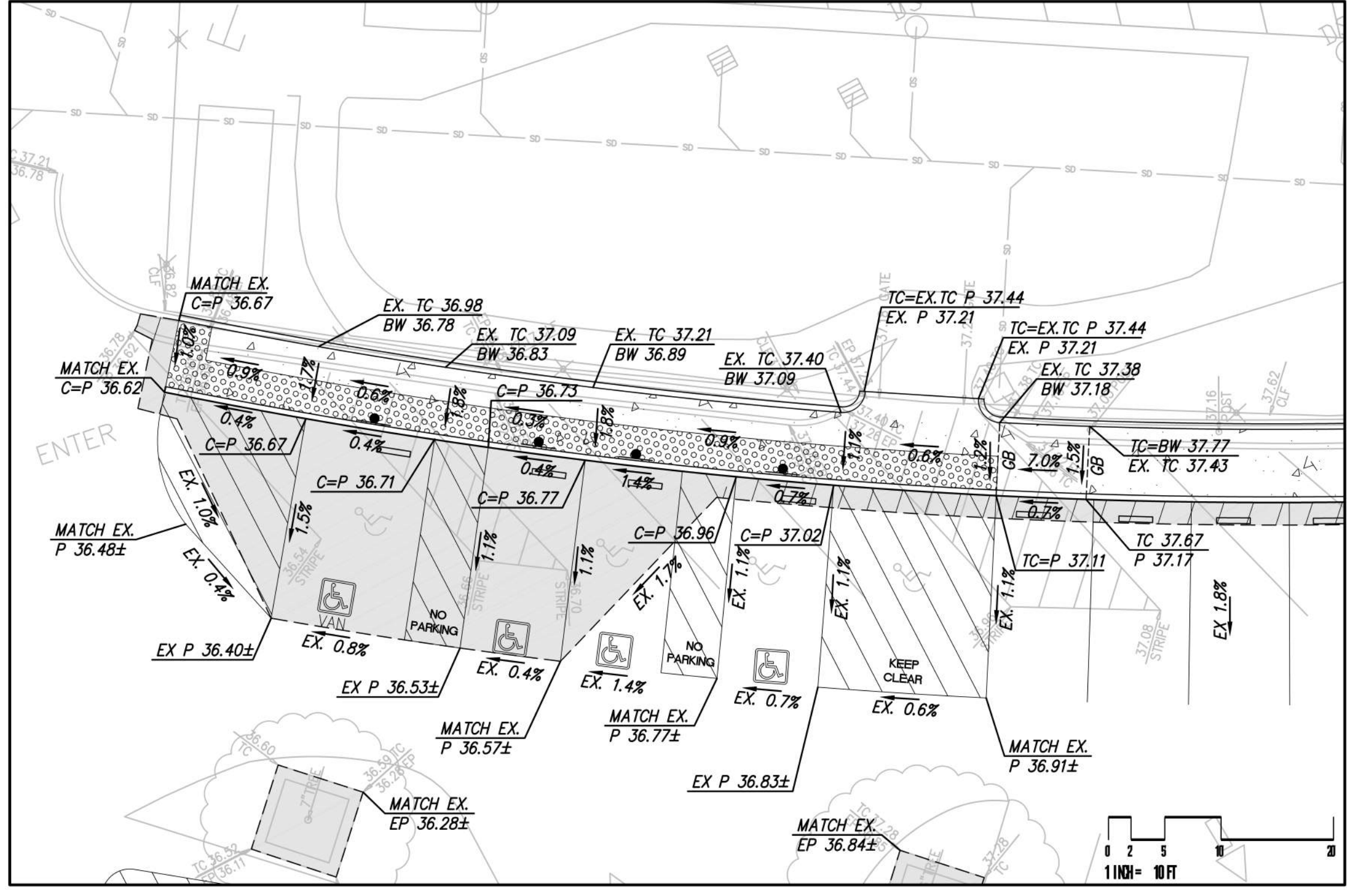
No.	REVISION	DATE	BY
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	DSA RESUBMITTAL	3/02/2022	
	DSA RESUBMITTAL	6/17/2022	
	DSA RESUBMITTAL	7/12/2022	

**CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS**

CALIFORNIA

GRADING & UTILITY PLAN

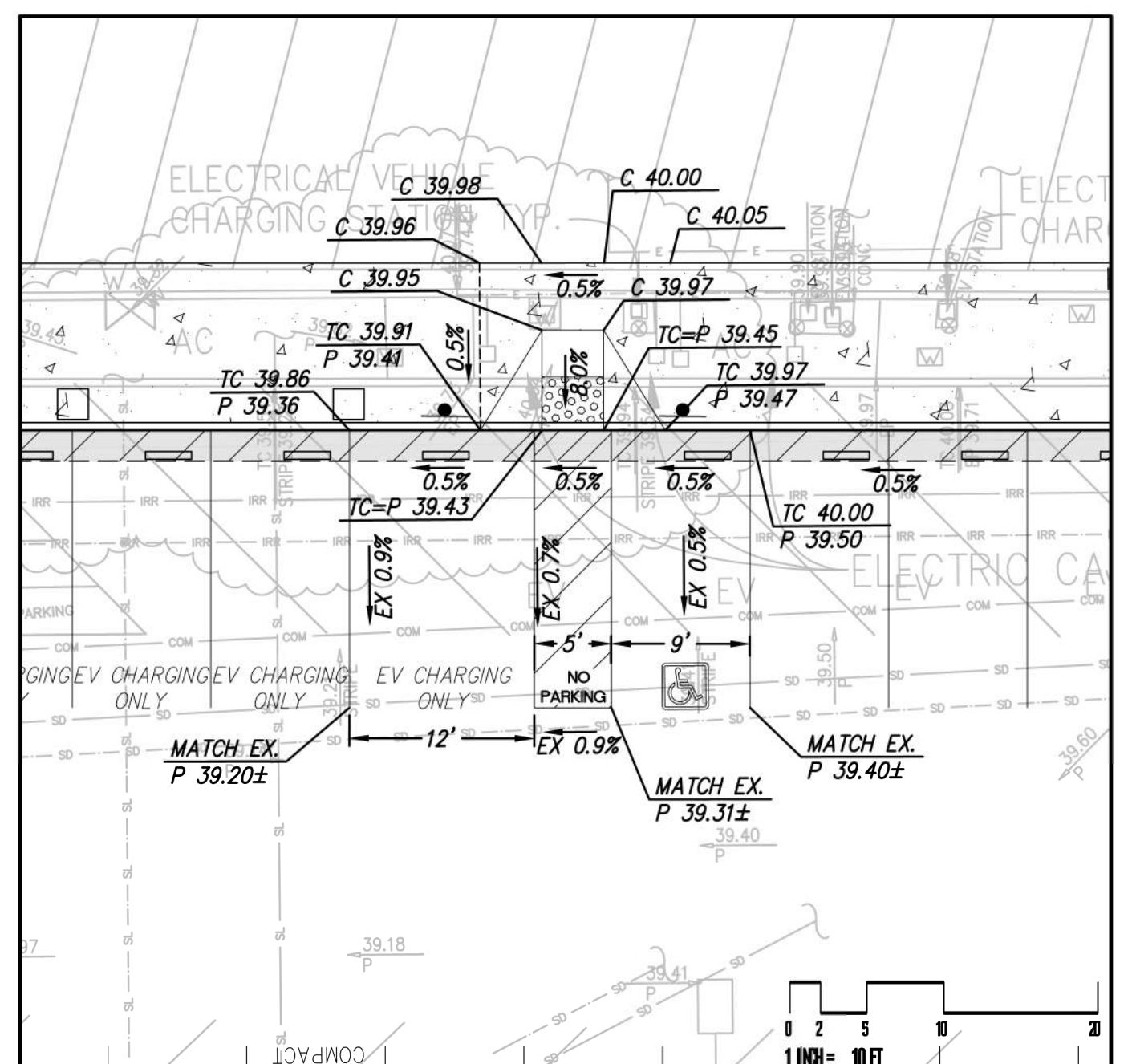
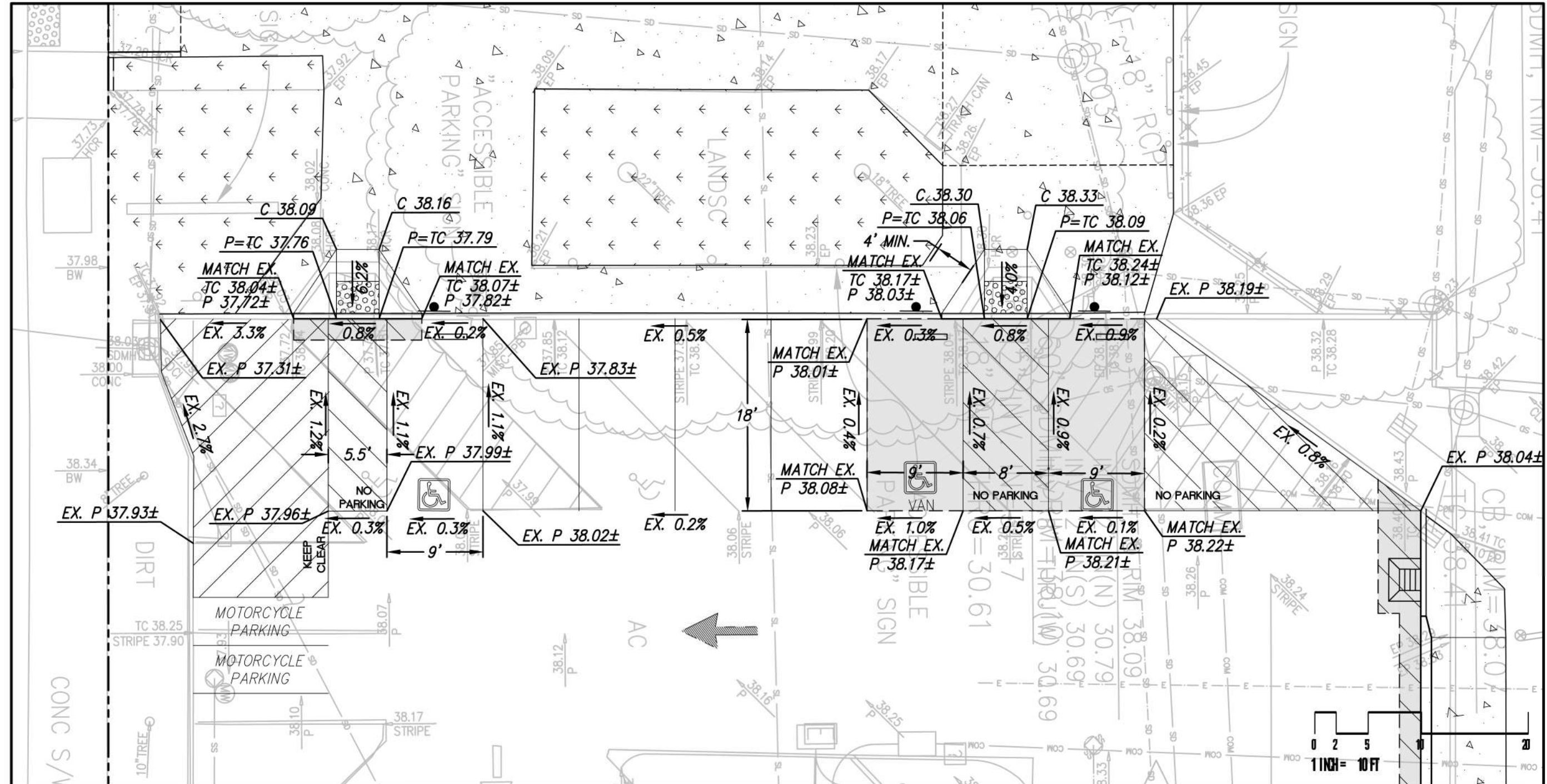
SHEET
C303



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'

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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

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

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



**STORMWATER
 MANAGEMENT PLAN LEGEND**

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

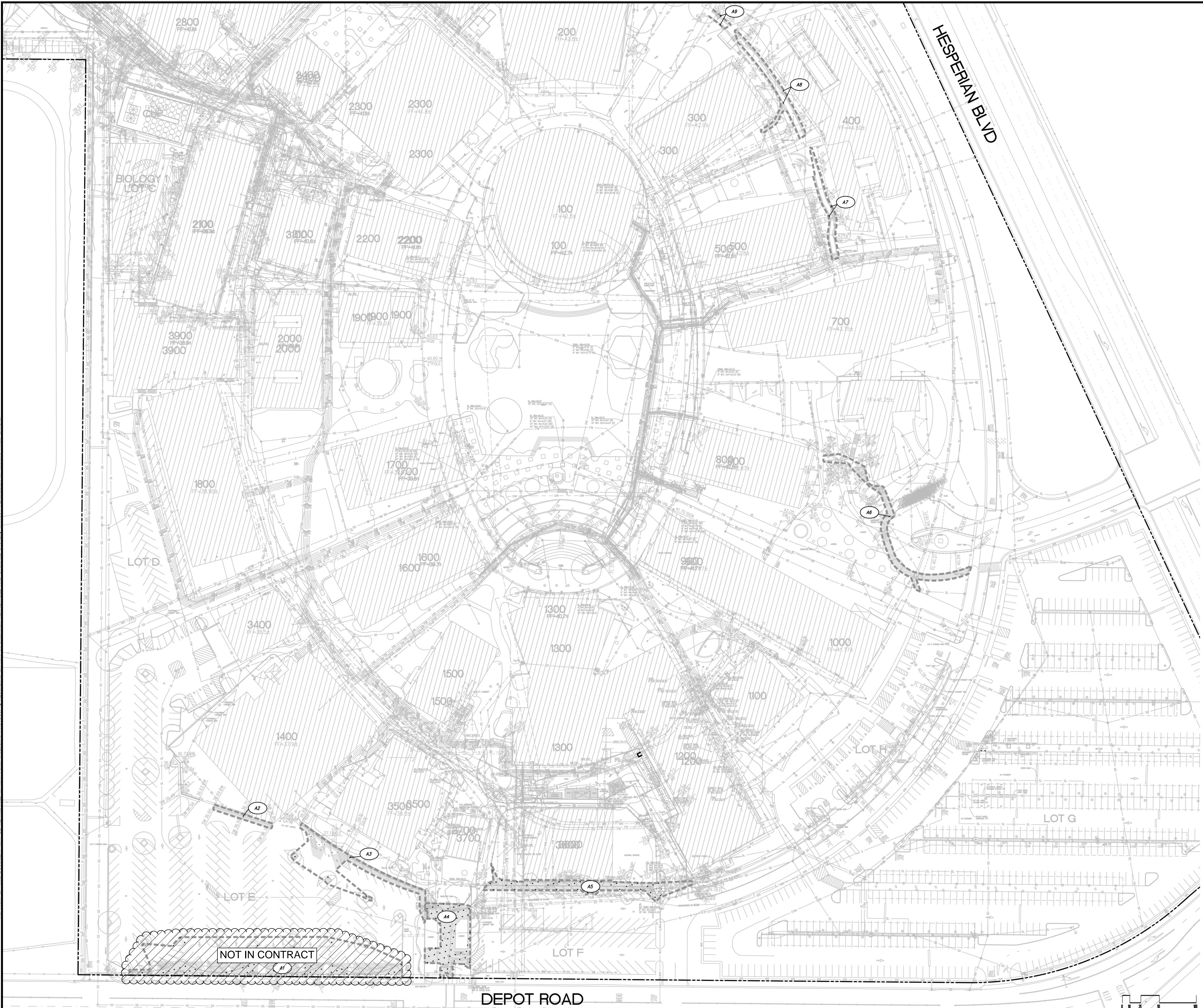
SITE TREATMENT AREA NOTE:

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.



NOT IN CONTRACT

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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

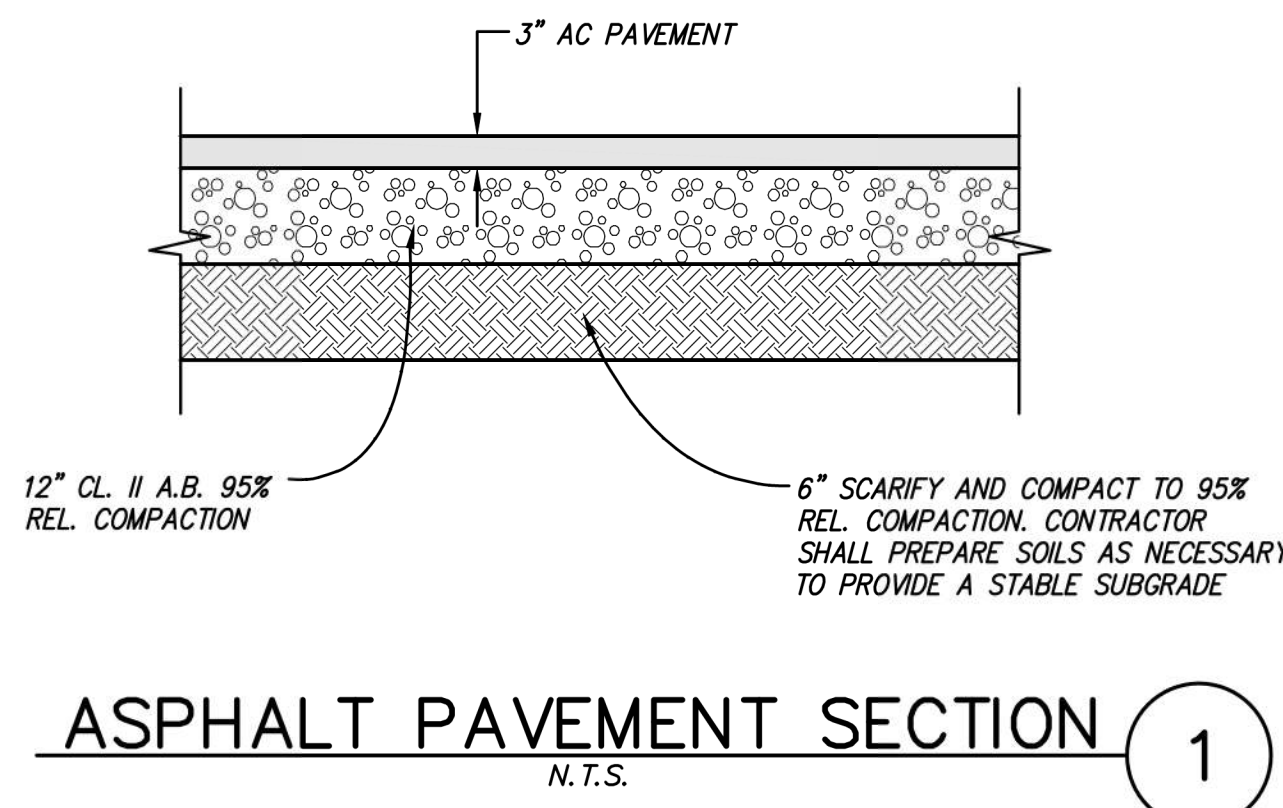
SEAL: [Professional Engineer Seal for Michael A. Kuykendall, No. 70870, Exp. 6/30/23]

No.	REVISION	DATE	BY
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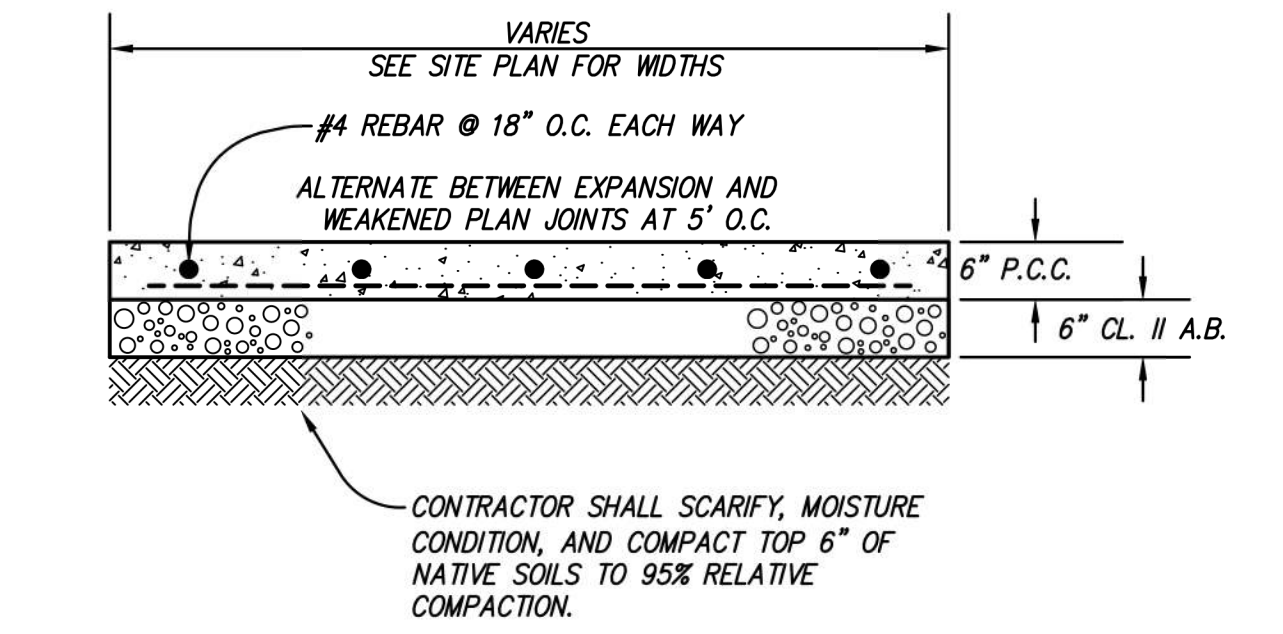
CHABOT COLLEGE
 PATHWAY AND
 PARKING LOT IMPROVEMENTS
 CALIFORNIA

STORMWATER MANAGEMENT PLAN C501

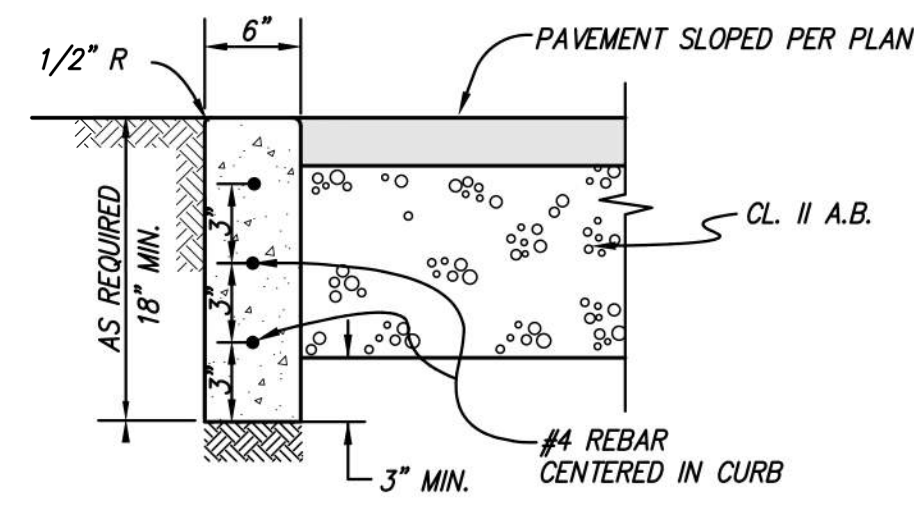
SHEET



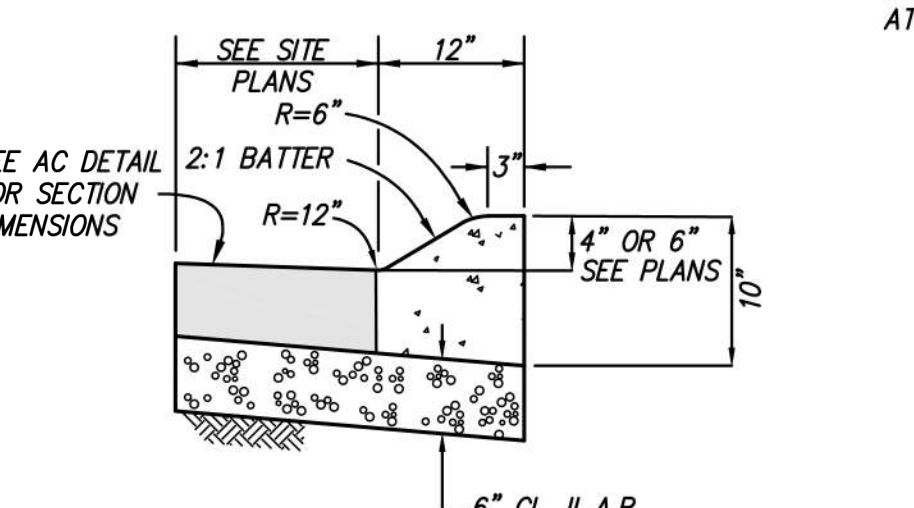
ASPHALT PAVEMENT SECTION 1
N.T.S.



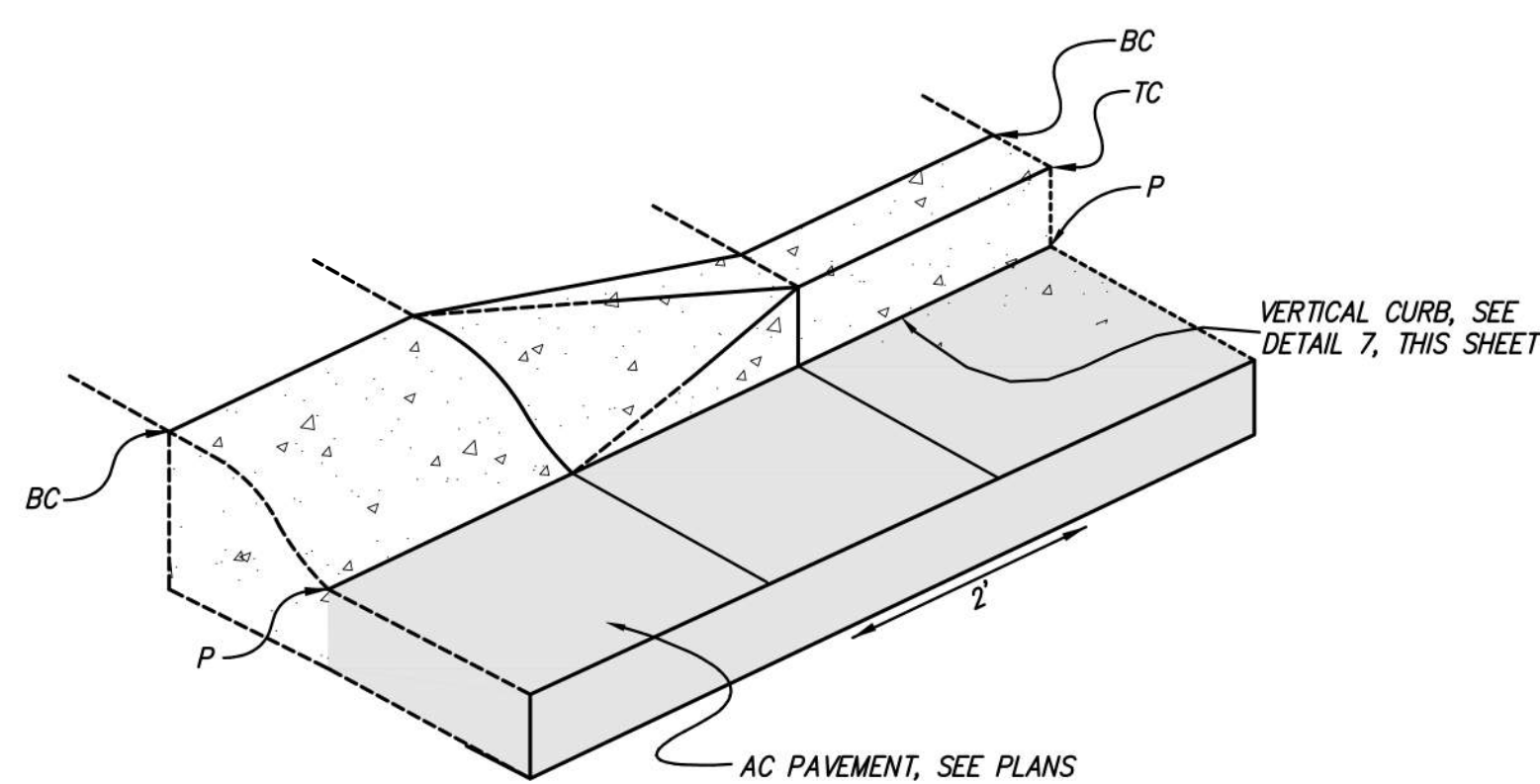
PEDESTRIAN CONCRETE SECTION 2
N.T.S.



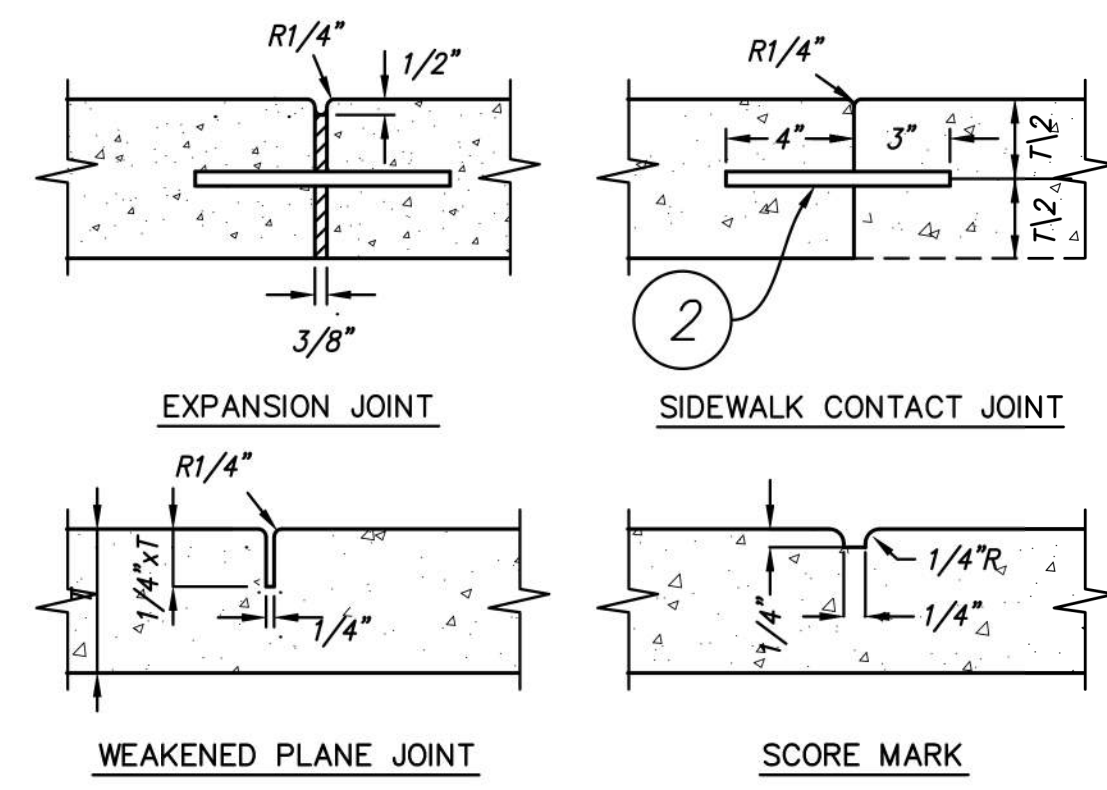
6" FLUSH CURB 3
N.T.S.



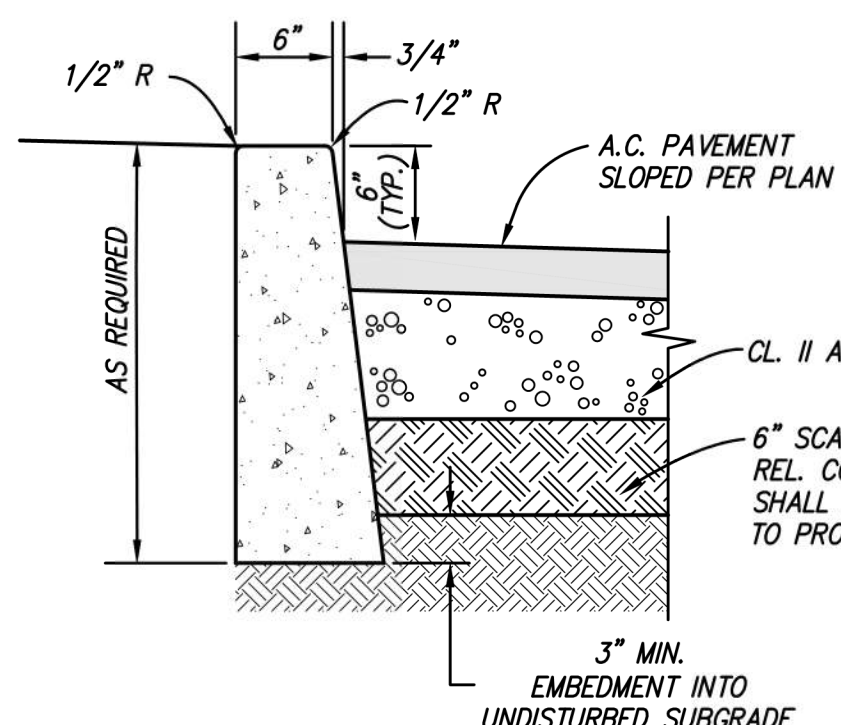
ROLLED CURB 4
N.T.S.



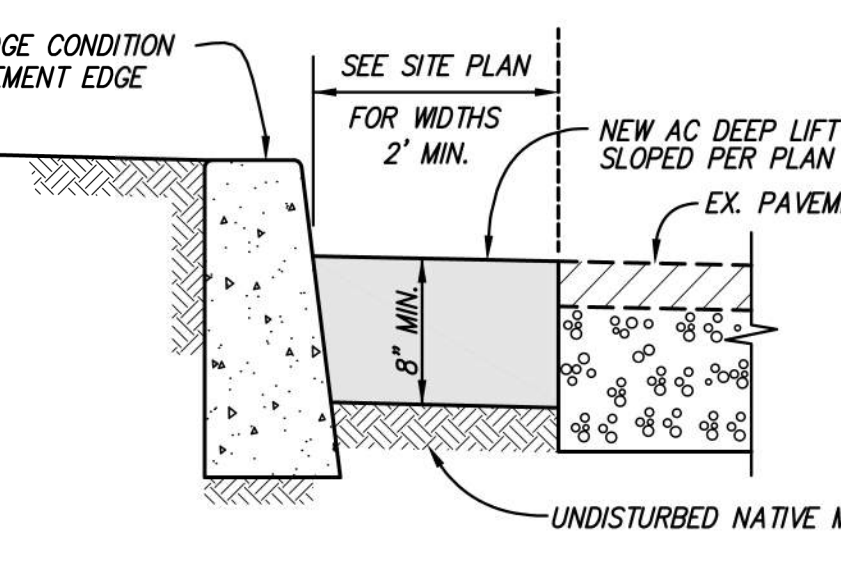
ROLLED/VERTICAL CURB TRANSITION 5
N.T.S.



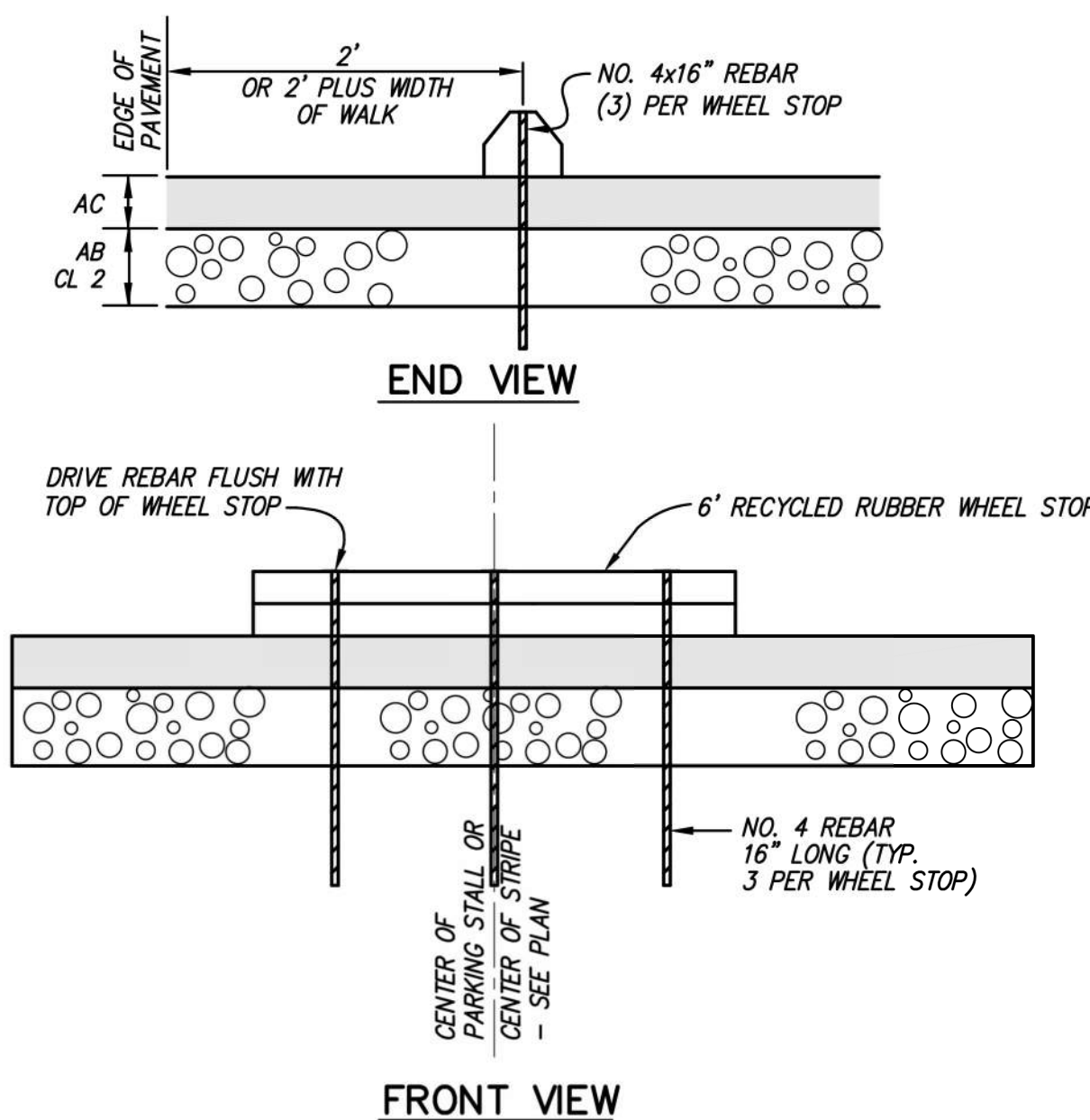
TYPICAL CONCRETE DETAILS 6
1"=3"



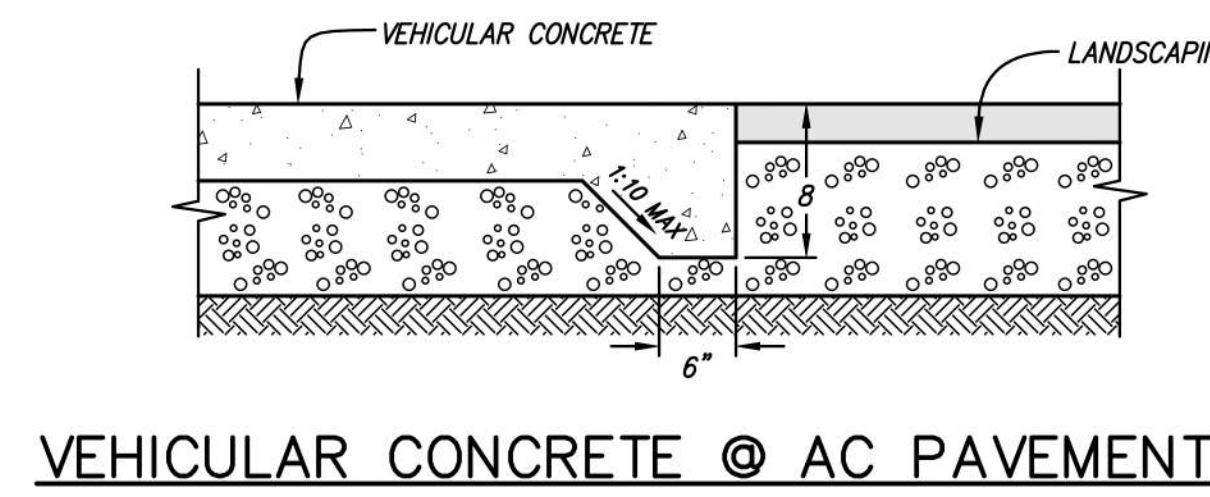
VERTICAL CURB 7
N.T.S.



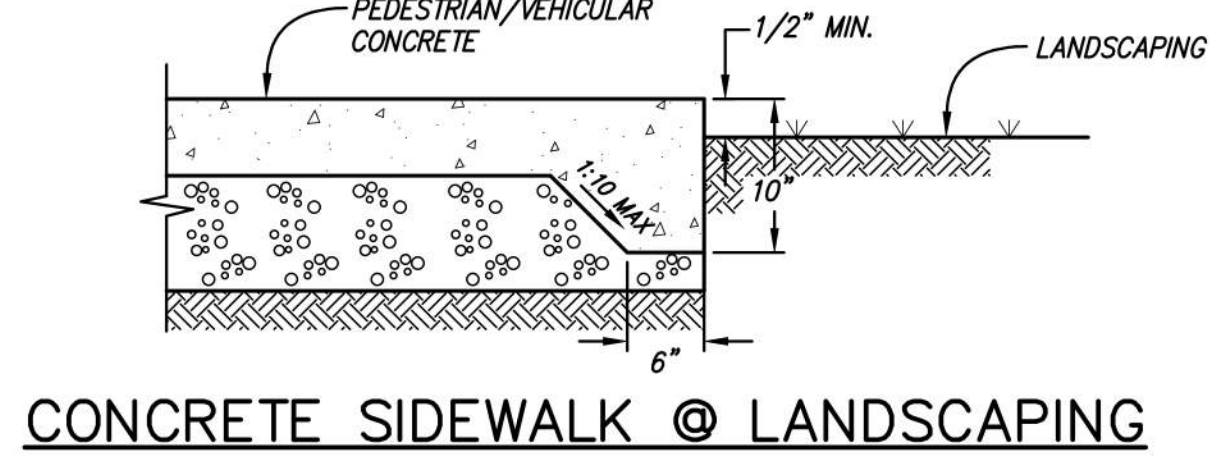
AC DEEP LIFT 8
N.T.S.



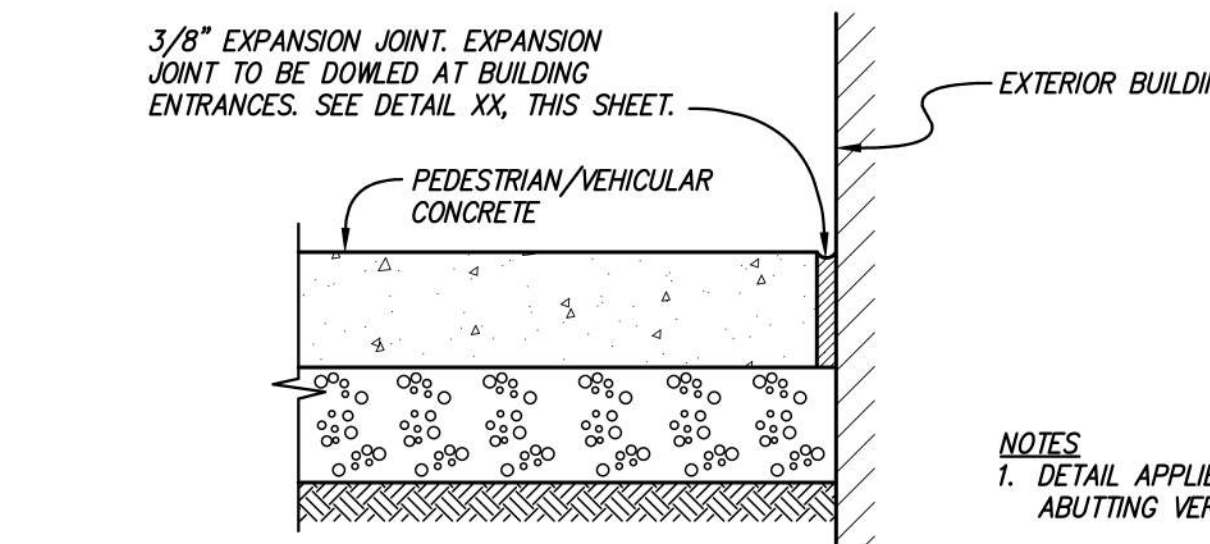
6" WHEEL STOP 9
N.T.S.



VEHICULAR CONCRETE @ AC PAVEMENT



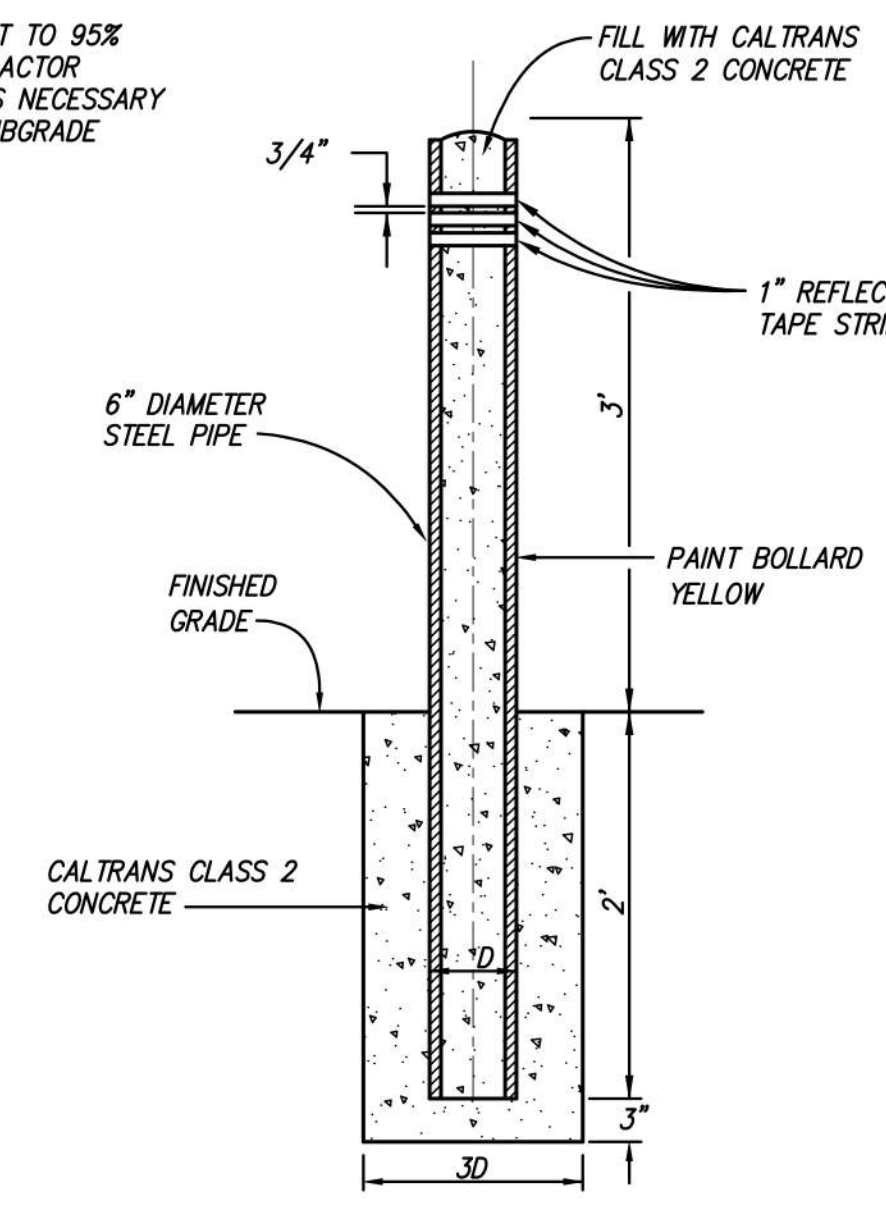
CONCRETE SIDEWALK @ LANDSCAPING



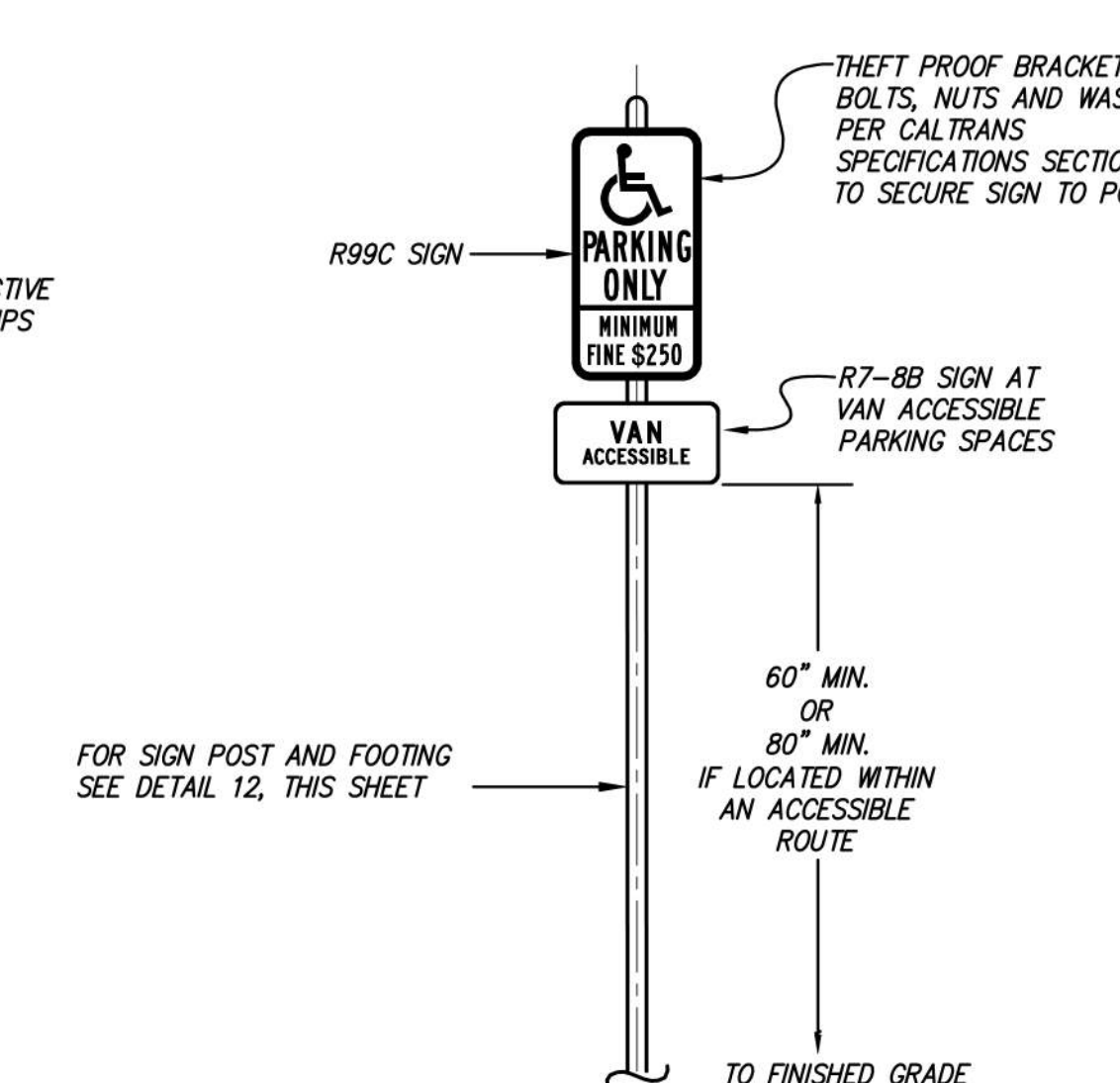
CONCRETE EDGE @ BLDG FACE



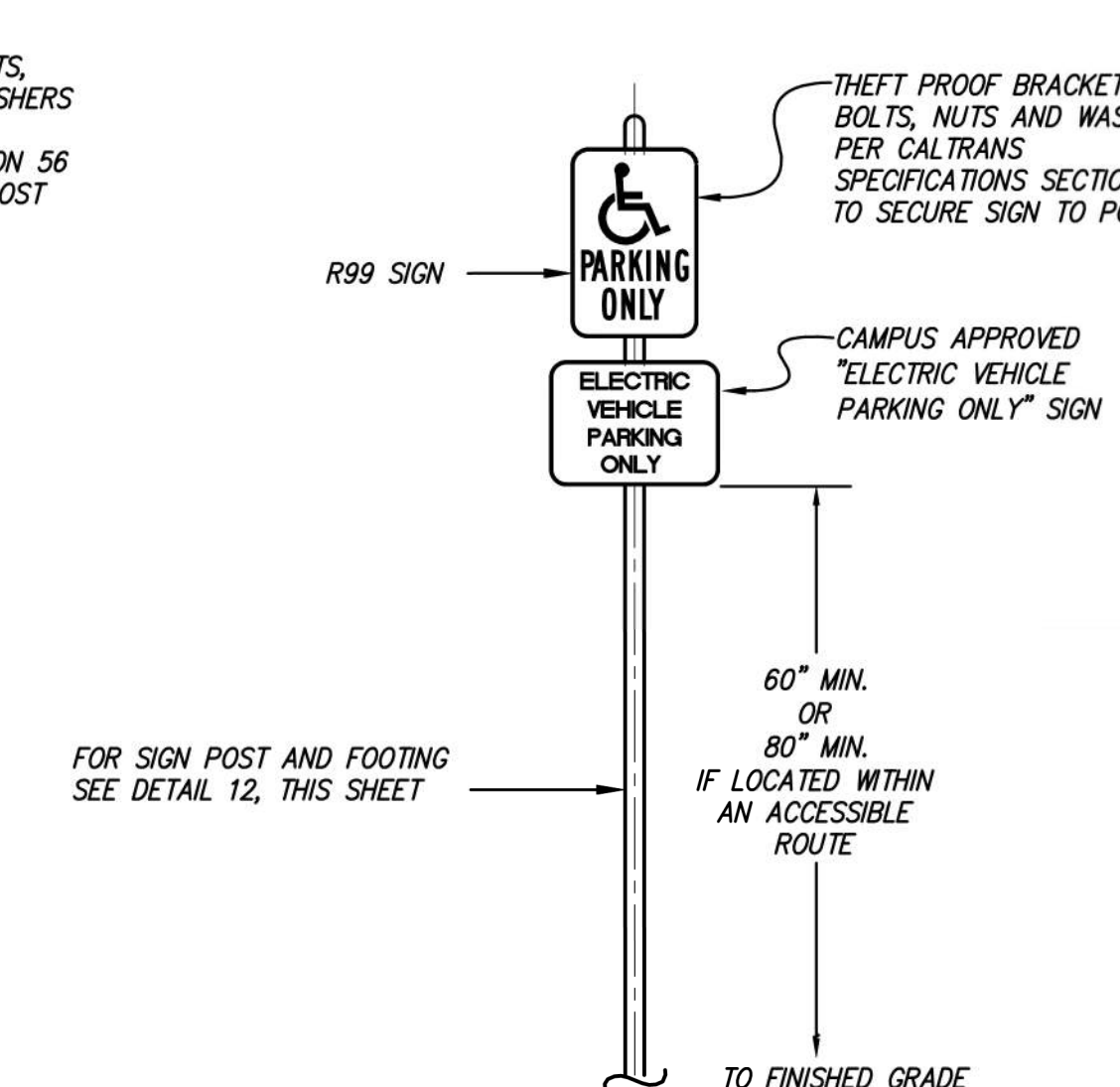
CONCRETE EDGE DETAILS 10
N.T.S.



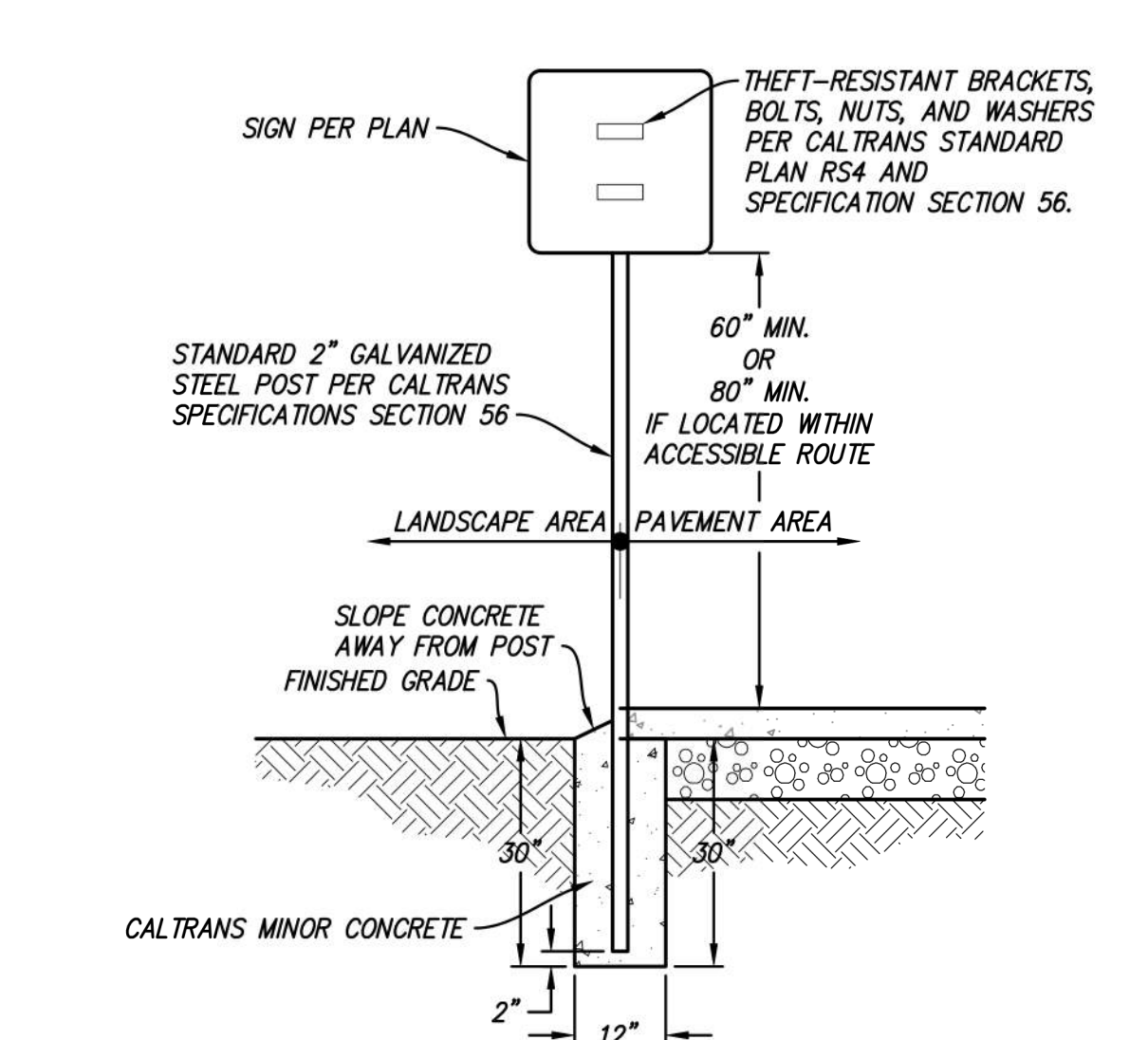
BOLLARD 11
N.T.S.



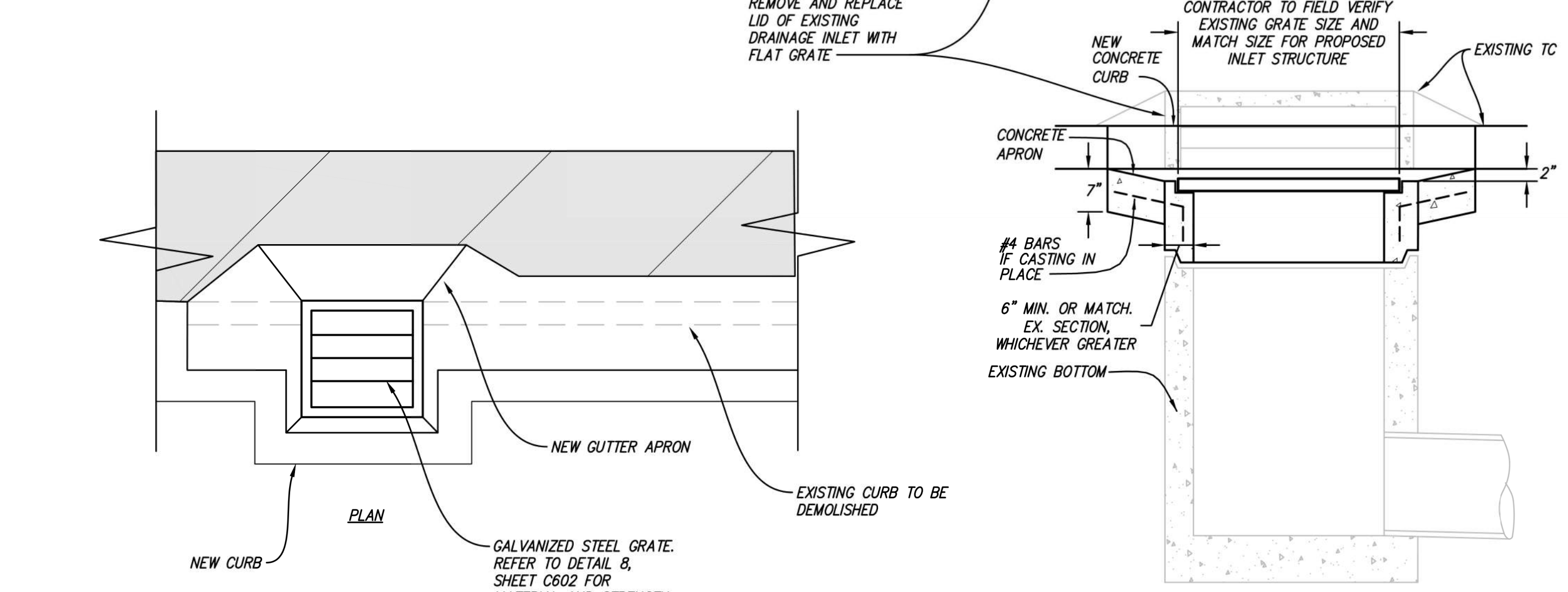
ADA PARKING IDENTIFICATION SIGN 14
N.T.S.



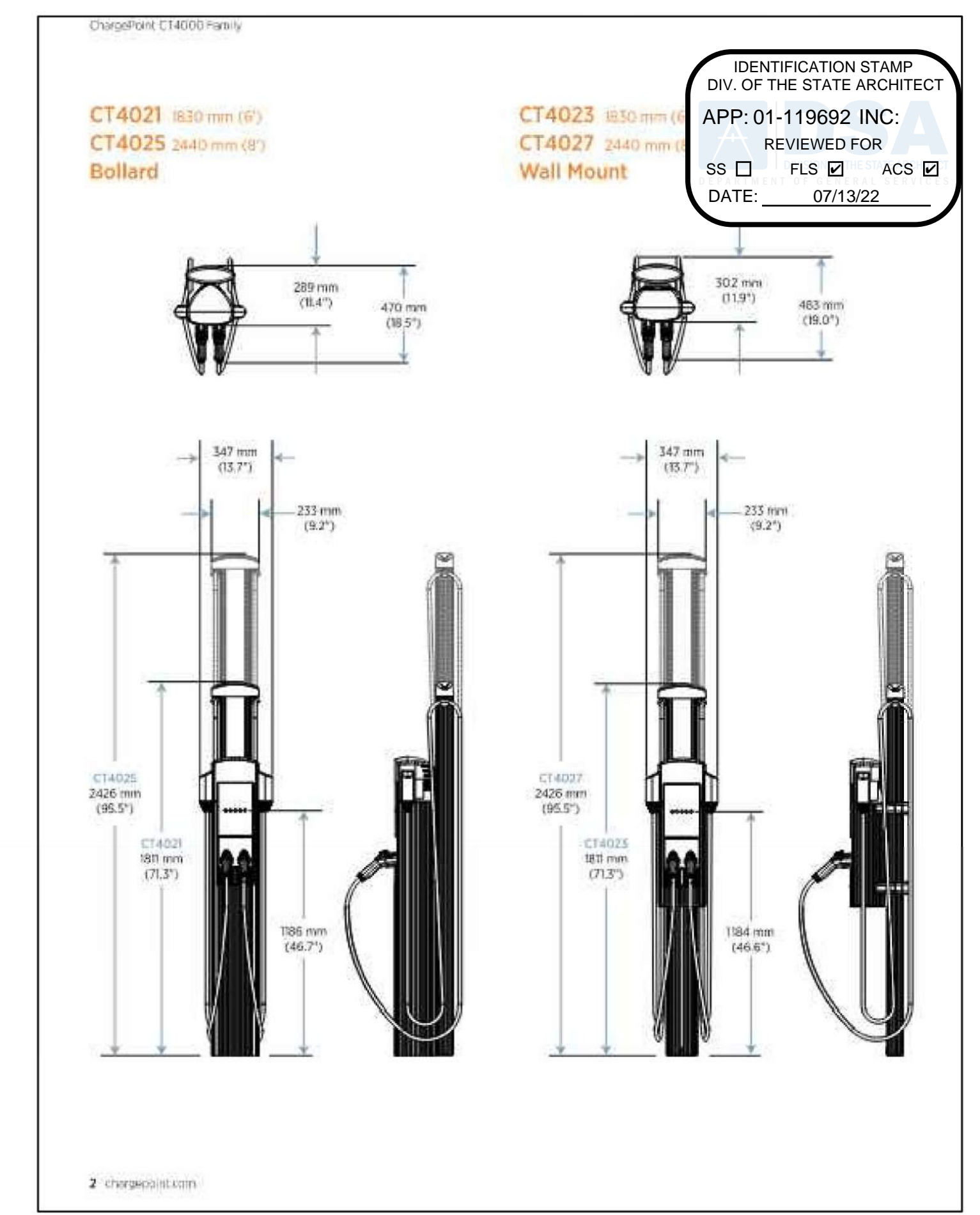
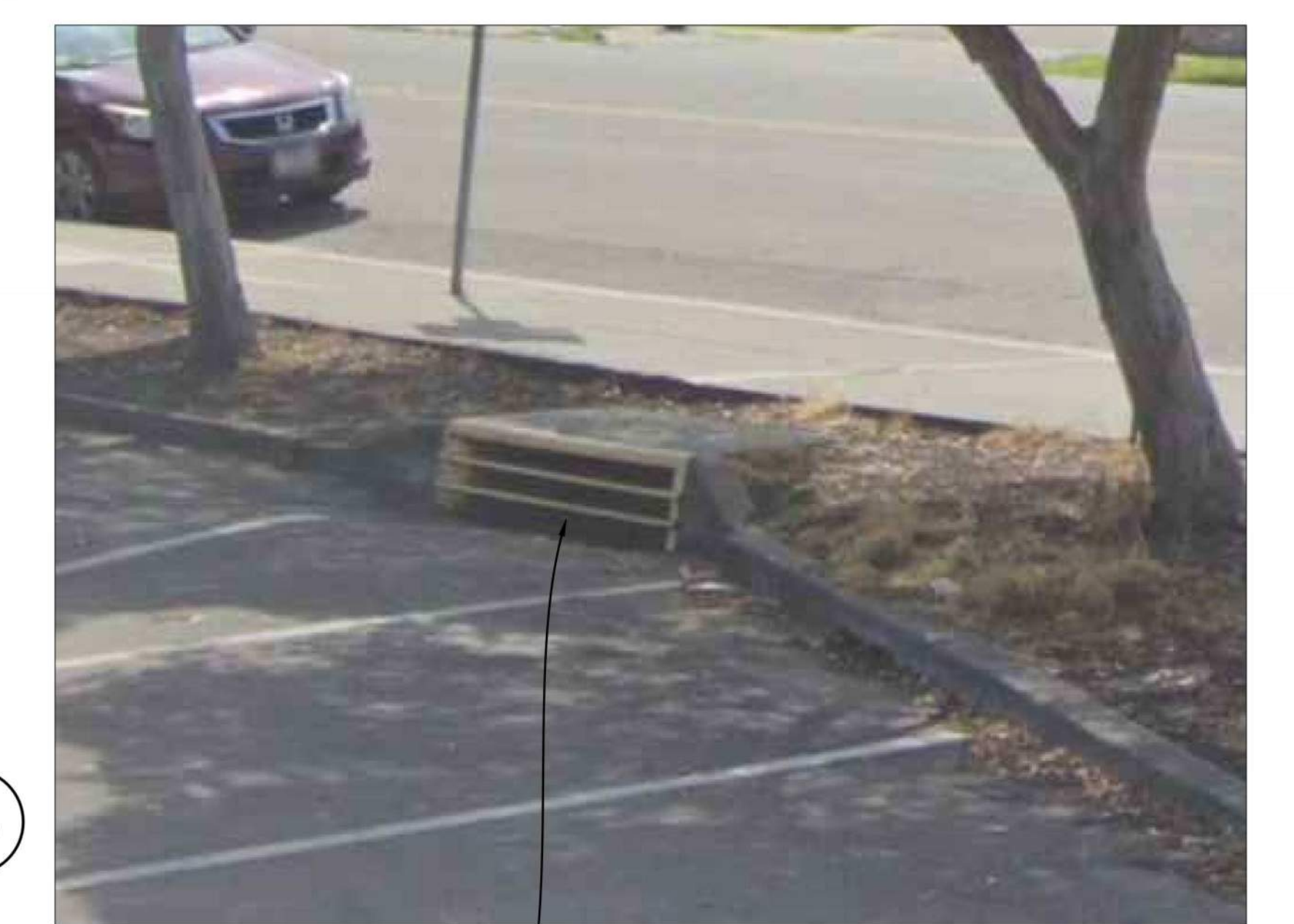
VAN ACCESSIBLE EVCS IDENTIFICATION SIGN 16
N.T.S.



SIGN DETAIL 12
N.T.S.



DI TO CB STRUCTURE CONVERSION 15
N.T.S.

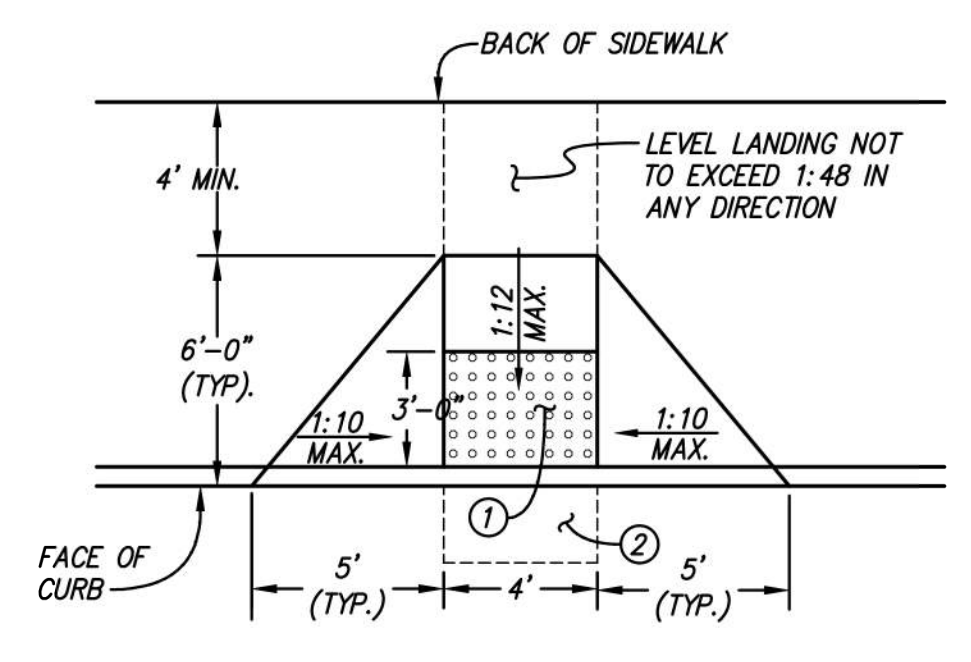


EV CHARGING STATION DETAIL 13
N.T.S.

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File: X:\P\618201.A\4 ENGINEERING\2 PLAN SETS\3 SHEET SET\ONSITE\C601.dwg Date: Jul 12, 2022 - 8:43 AM

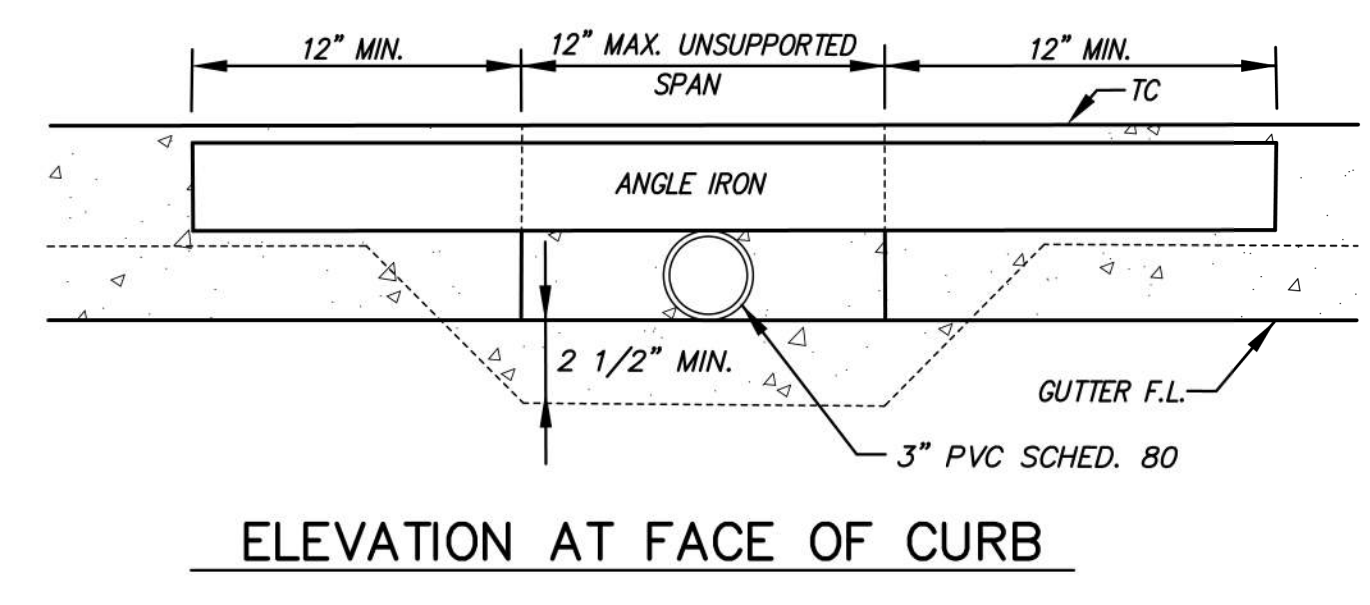
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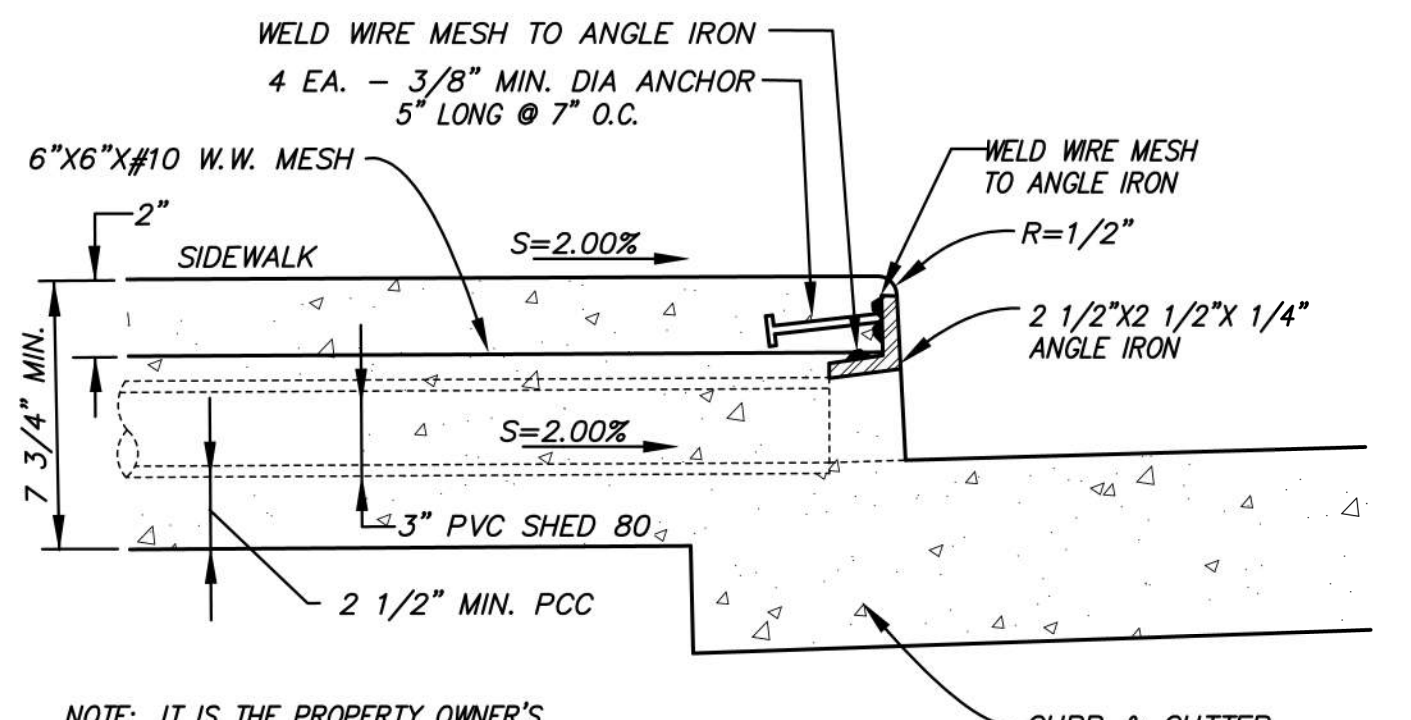
ACCESSIBLE RAMP
 N.T.S.

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



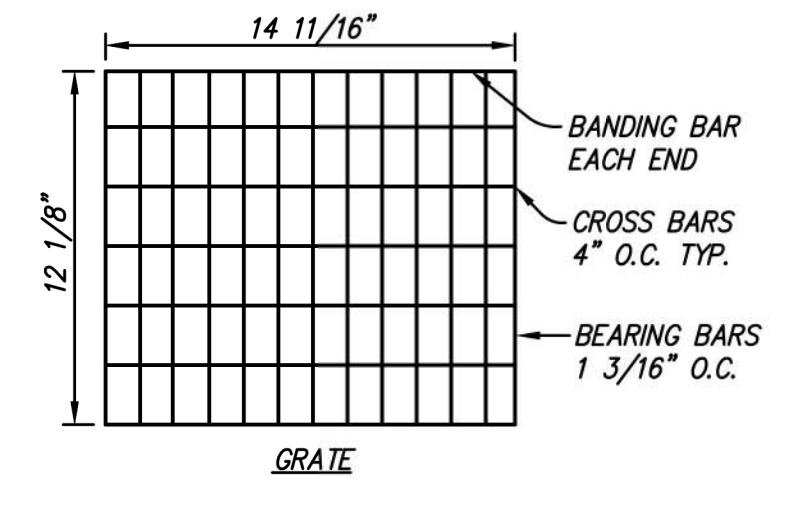
ELEVATION AT FACE OF CURB



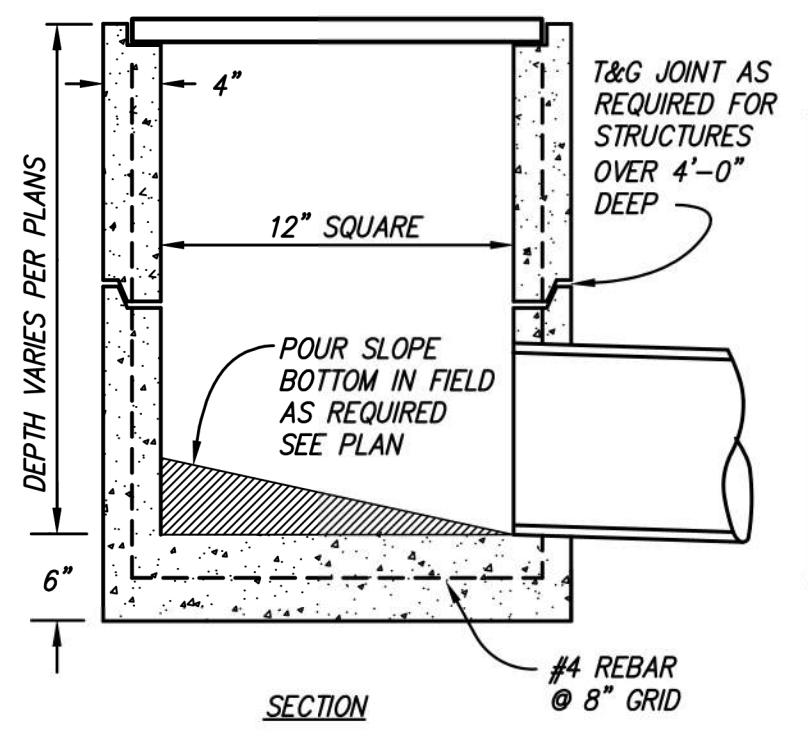
NOTE: IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO MAINTAIN THIS DRAINAGE STRUCTURE.

"THRU CURB" DRAIN

4



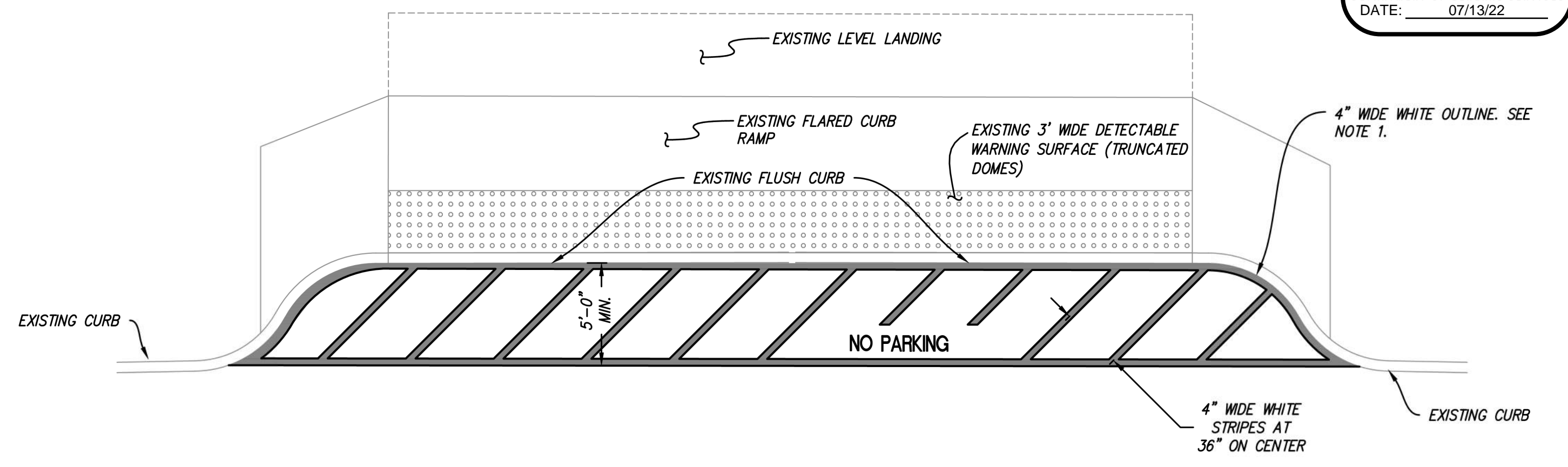
CATCH BASIN DETAIL



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".

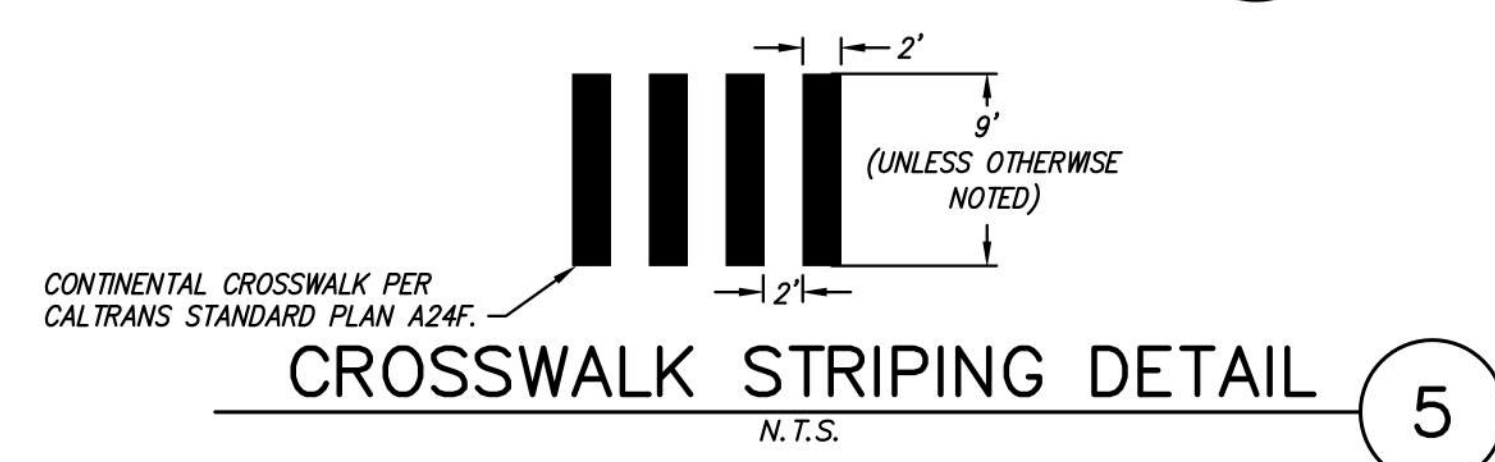
8



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

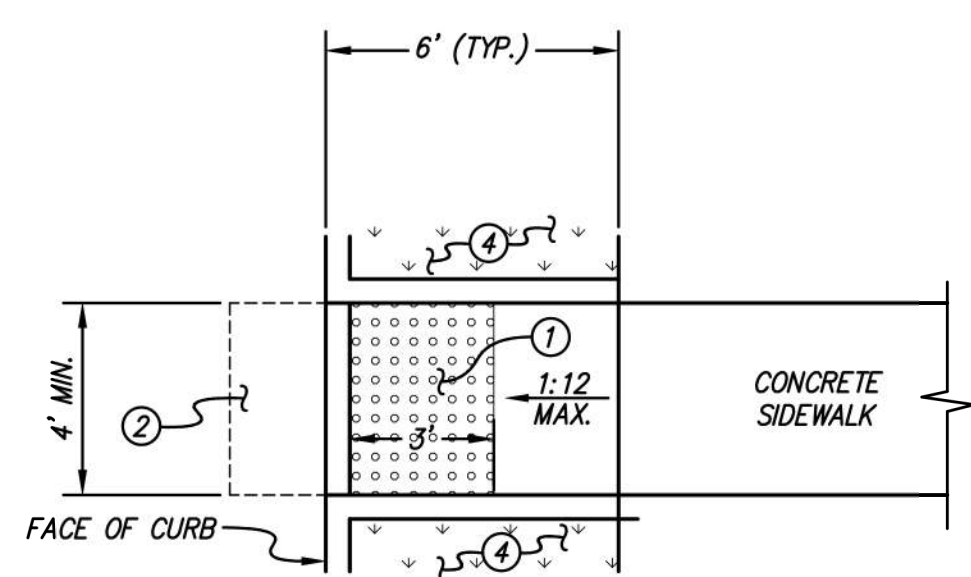
EXISTING ACCESSIBLE DROP-OFF STRIPING & SIGNAGE

10



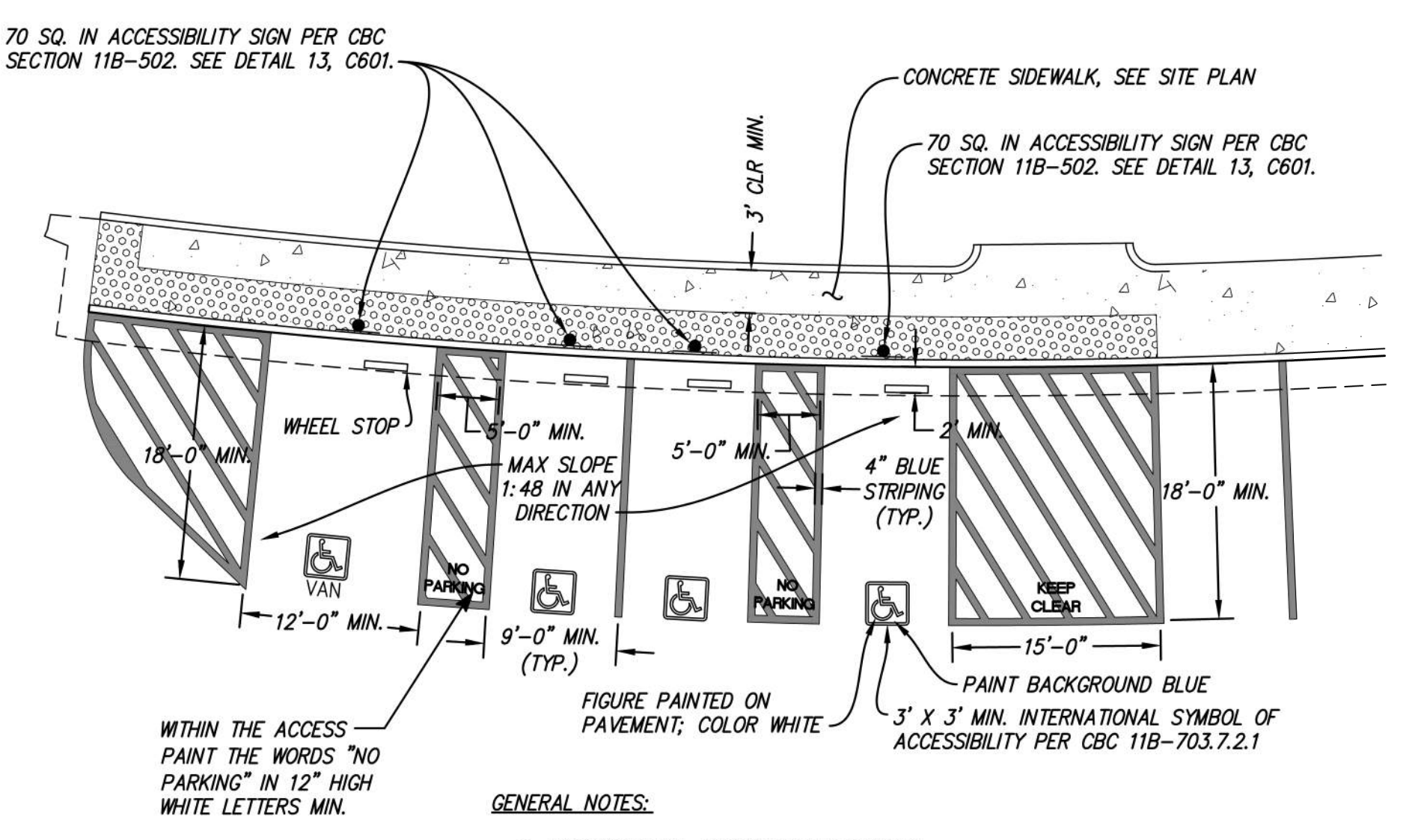
CROSSWALK STRIPING DETAIL

5



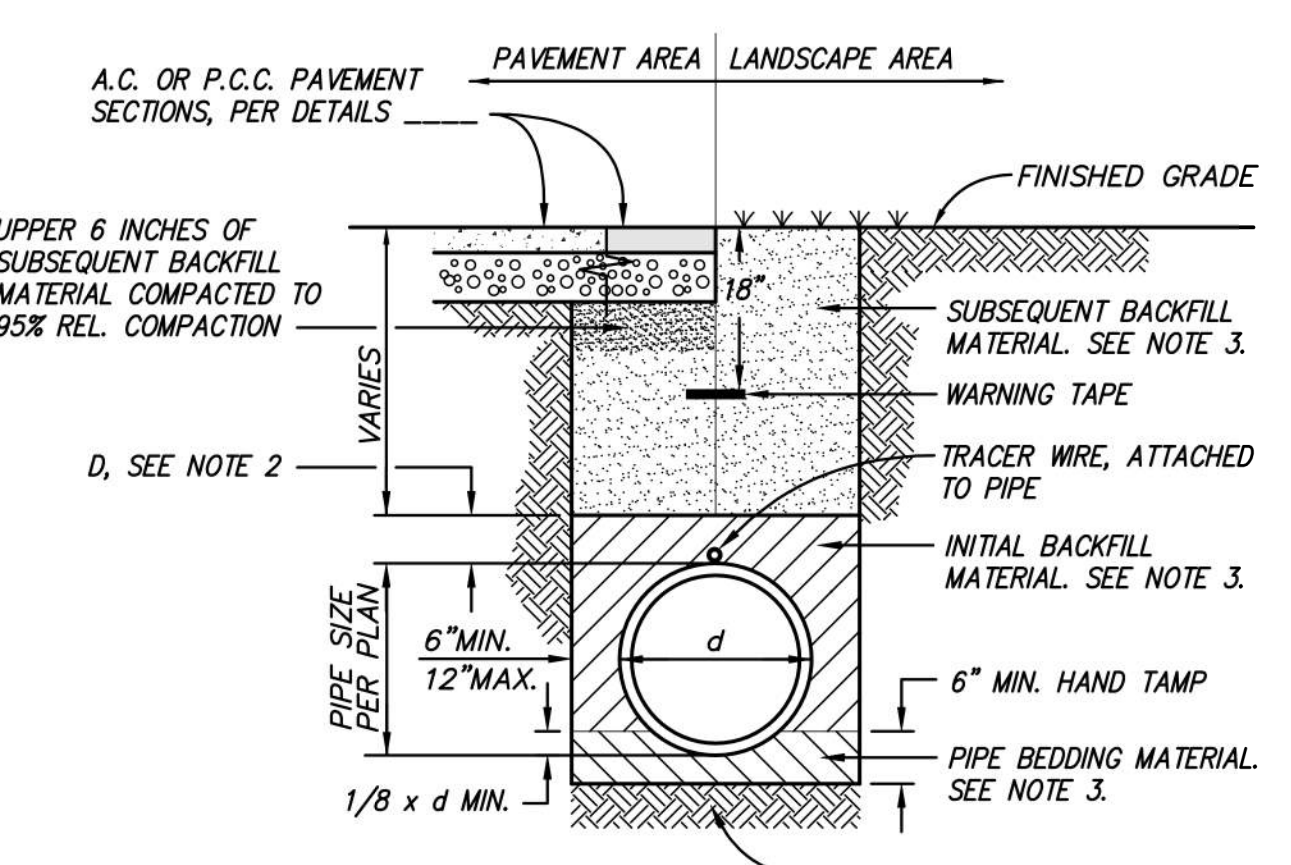
IN-LINE ACCESSIBLE RAMP

2



TYP. ADA PARKING DETAIL (90 DEGREE PARKING)

6



TRENCH DETAIL

9

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

11

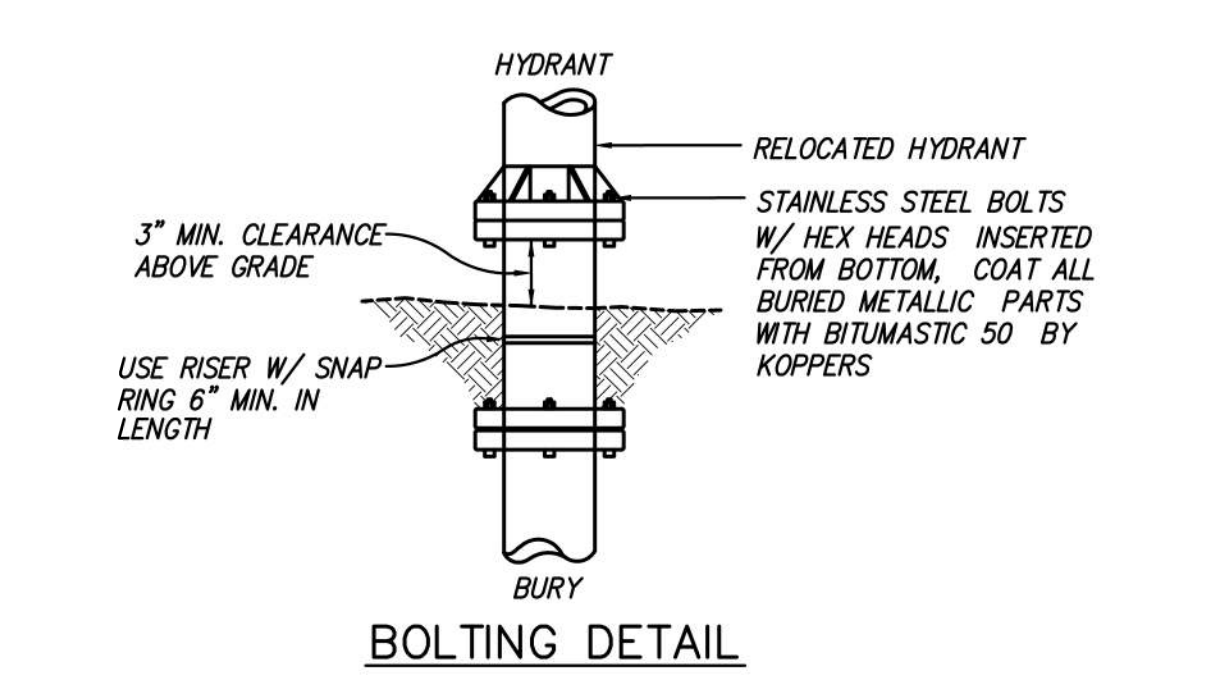
THRUST CALCULATION TABLE

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

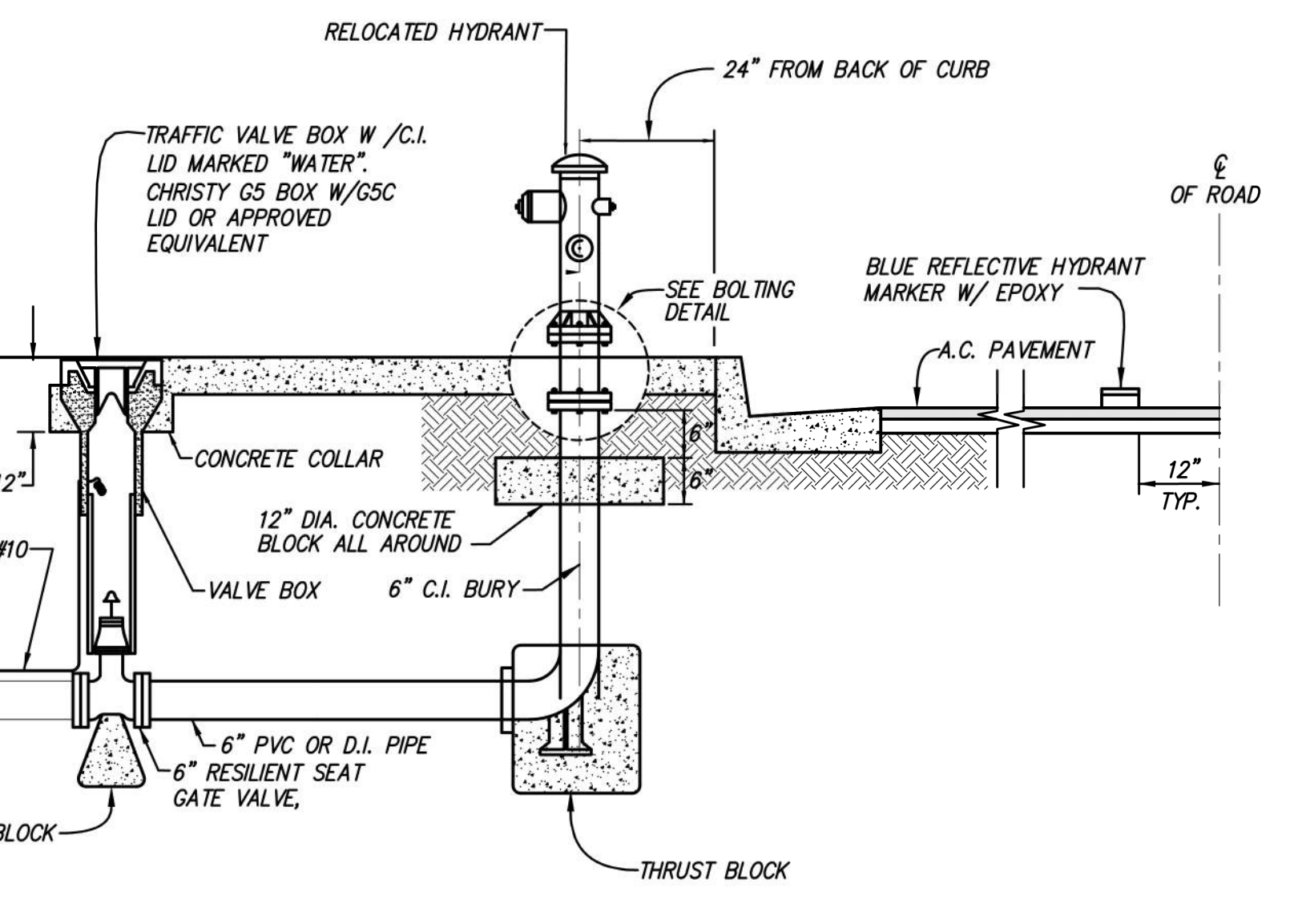
THRUST CALCULATION NOTES:
 1. CALCULATIONS BASED ON NFPA 24, TABLE A.10.6.1(a), 2019 EDITION
 2. THRUST CALCULATED FOR 200 PSI STATIC PRESSURE

THRUST CALCULATIONS

12

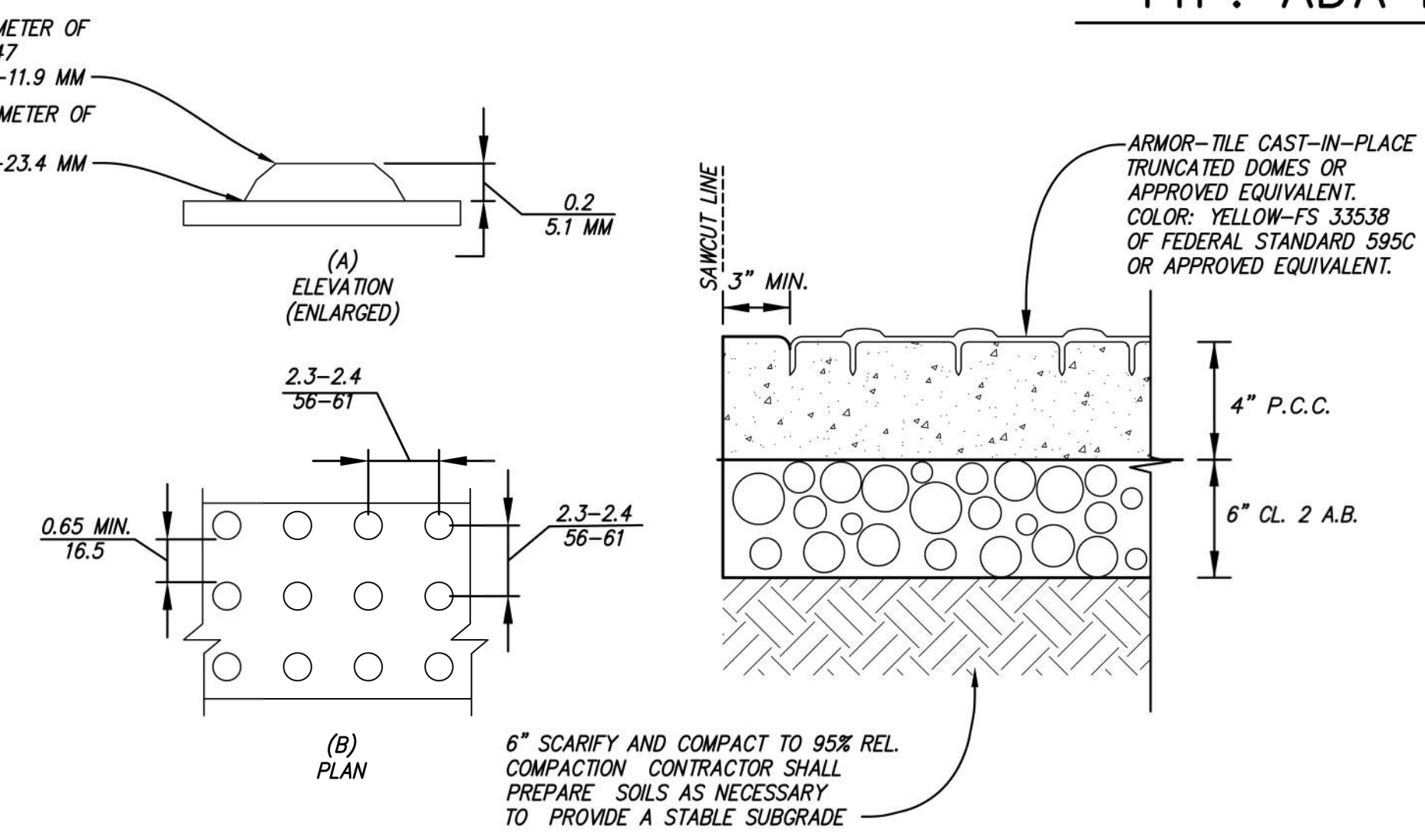


BOLTING DETAIL



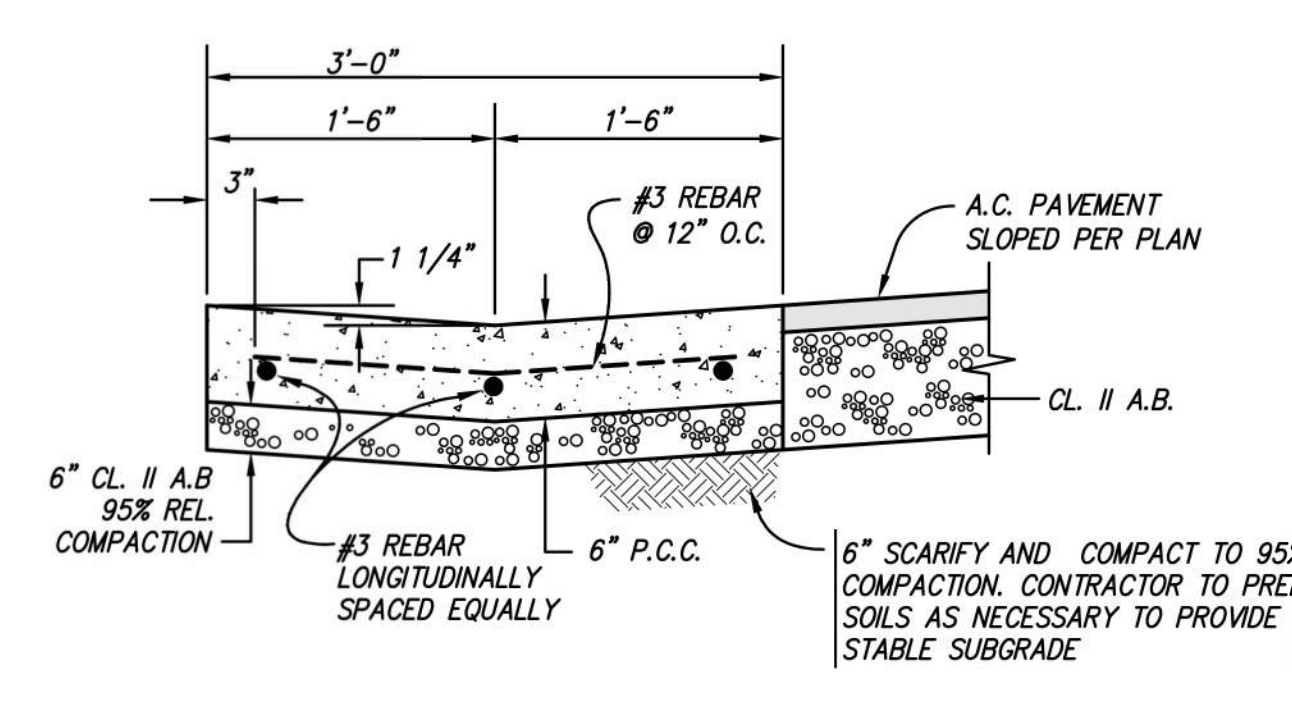
FIRE HYDRANT ASSEMBLY

13



DETECTABLE WARNING SURFACE

3



CONCRETE VALLEY GUTTER

7

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LEGEND

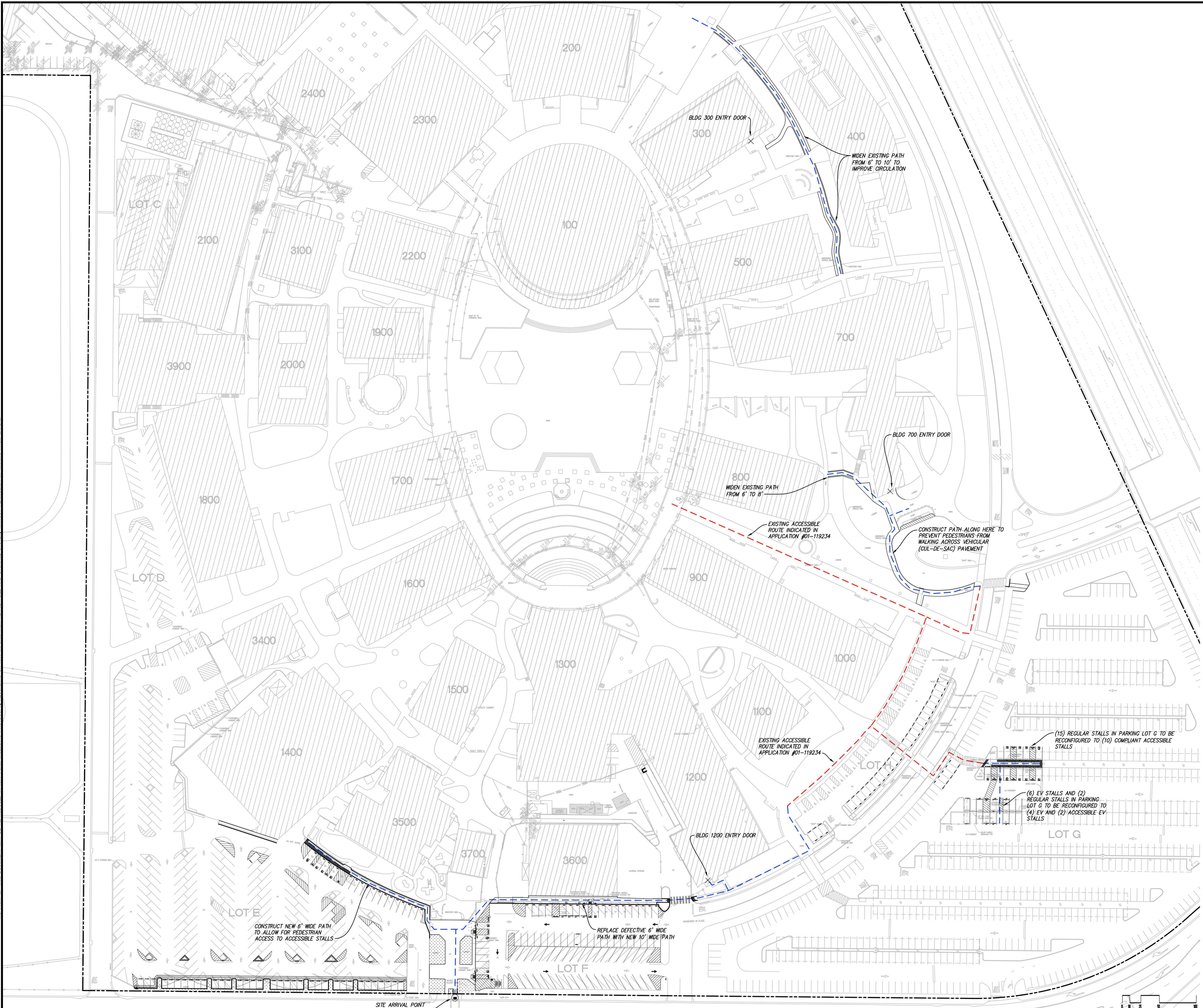
- CAMPUS' APPROVED PATH OF TRAVEL (APPROVED AS PART OF OTHER PROJECTS)
- PROPOSED PATH OF TRAVEL (TO BE APPROVED AS PART OF THIS SITE IMPROVEMENTS PROJECT)

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 1/4" 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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BUDON
 ARCHITECT

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

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


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CHABOT COLLEGE UTILITY SYSTEM MAP



PREPARED BY:  **SANDIS** | CIVIL ENGINEERS
SURVEYORS
PLANNERS

DATE: DECEMBER 2021



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TITLE PAGE

No.	REVISION	DATE	BY

**CAMPUS
UTILITY
SURVEY**

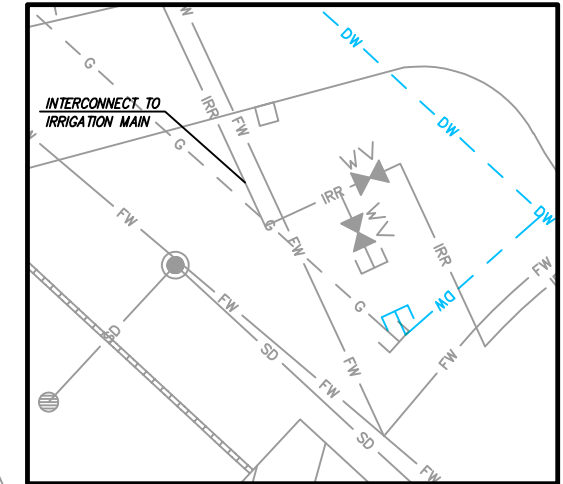
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DRAWN BY: GL
APPROVED BY: MAK
SANDS DRAWING No:
618201.D

SHEET
1
OF **85** SHEETS

SEE SHEET DW2 FOR CONTINUATION



SANDIS
 GRAPHIC SCALE
 0 20 40 60 80 100
 1 inch = 100 ft.



INSET A
 1"=20'

WATER VALVE NOTE:
 REFER TO "APPENDIX A: CAMPUS WATER VALVE SURVEY" FOR WATER VALVE LOCATION INFORMATION.

BUILDING #	ISOLATION VALVE
2700	D4-16, D4-7
2600	D4-16, D4-7
2500	D4-4
2400	D4-16, D4-7
2300	D4-10
3800	D4-16, D4-7
2100	D4-21
3900	D5-1
3100	D4-21
2000	N/A
2200	D4-9
1900	D4-7, D6-3
100	D4-17, D6-3
200	D4-16, D4-7
300	D4-17, D6-3
400	D4-17, D6-3
500	D4-17, D6-3
700	D4-18

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CAMPUS UTILITY SURVEY

DATE: 12/02/21
 SCALE: 1"=100'
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 APPROVED BY: MAK
 SANDS DRAWING No.: 618201.D

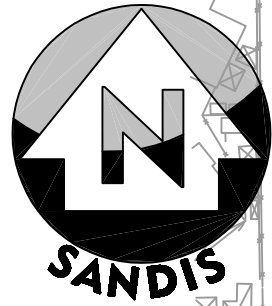
SHEET
DW4
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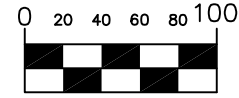
SEE SHEET DW3 FOR CONTINUATION

SEE SHEET DW6 FOR CONTINUATION

SEE SHEET DW3 FOR CONTINUATION



GRAPHIC SCALE

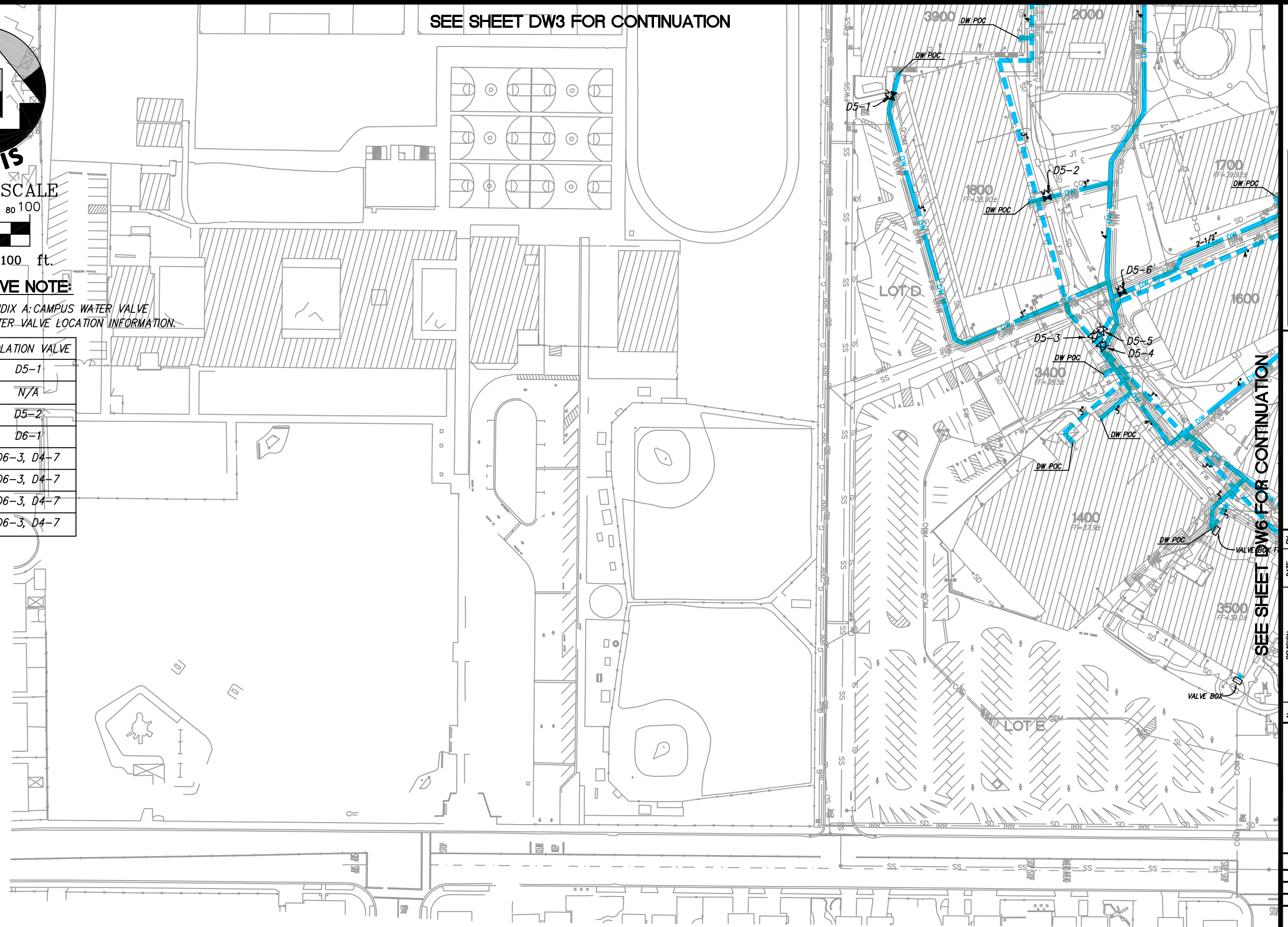


1 inch = 100 ft.

WATER VALVE NOTE:

REFER TO "APPENDIX A: CAMPUS WATER VALVE SURVEY" FOR WATER VALVE LOCATION INFORMATION.

BUILDING #	ISOLATION VALVE
3900	D5-1
2000	N/A
1800	D5-2
1700	D6-1
1600	D6-3, D4-7
3400	D6-3, D4-7
1400	D6-3, D4-7
3500	D6-3, D4-7



SEE SHEET DW6 FOR CONTINUATION



UTILITY PLAN

No.	REVISION	DATE	BY

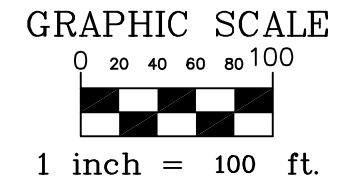
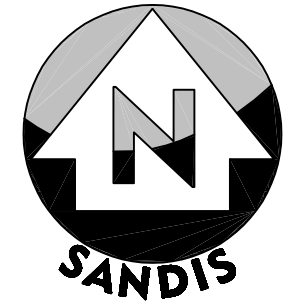
CAMPUS UTILITY SURVEY

DATE: 12/02/21
 SCALE: 1"=100'
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SHEET
DW5
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SEE SHEET DW4 FOR CONTINUATION



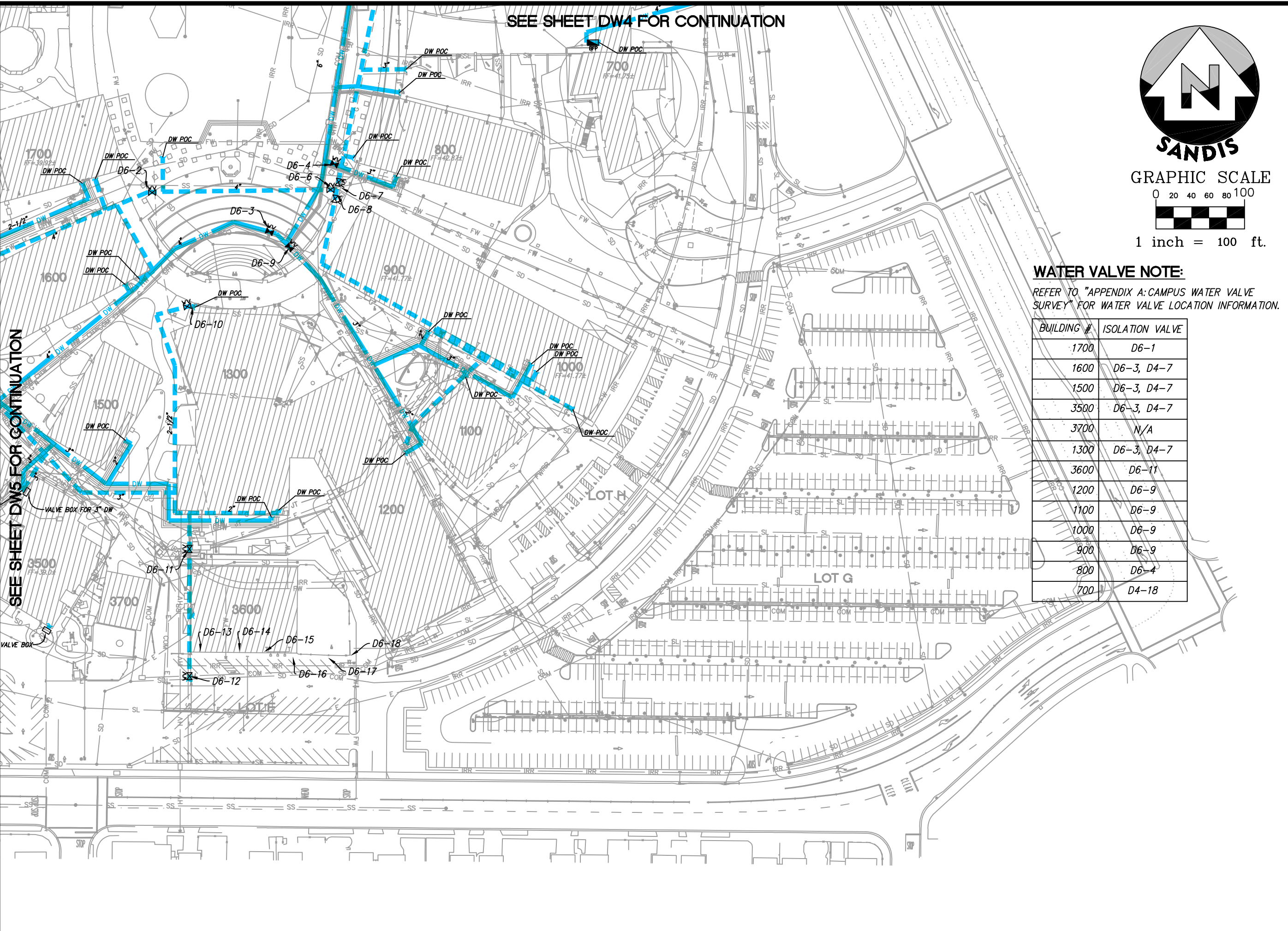
WATER VALVE NOTE:

REFER TO "APPENDIX A: CAMPUS WATER VALVE SURVEY" FOR WATER VALVE LOCATION INFORMATION.

BUILDING #	ISOLATION VALVE
1700	D6-1
1600	D6-3, D4-7
1500	D6-3, D4-7
3500	D6-3, D4-7
3700	N/A
1300	D6-3, D4-7
3600	D6-11
1200	D6-9
1100	D6-9
1000	D6-9
900	D6-9
800	D6-4
700	D4-18

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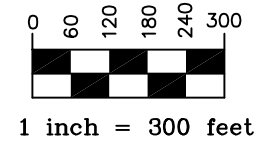
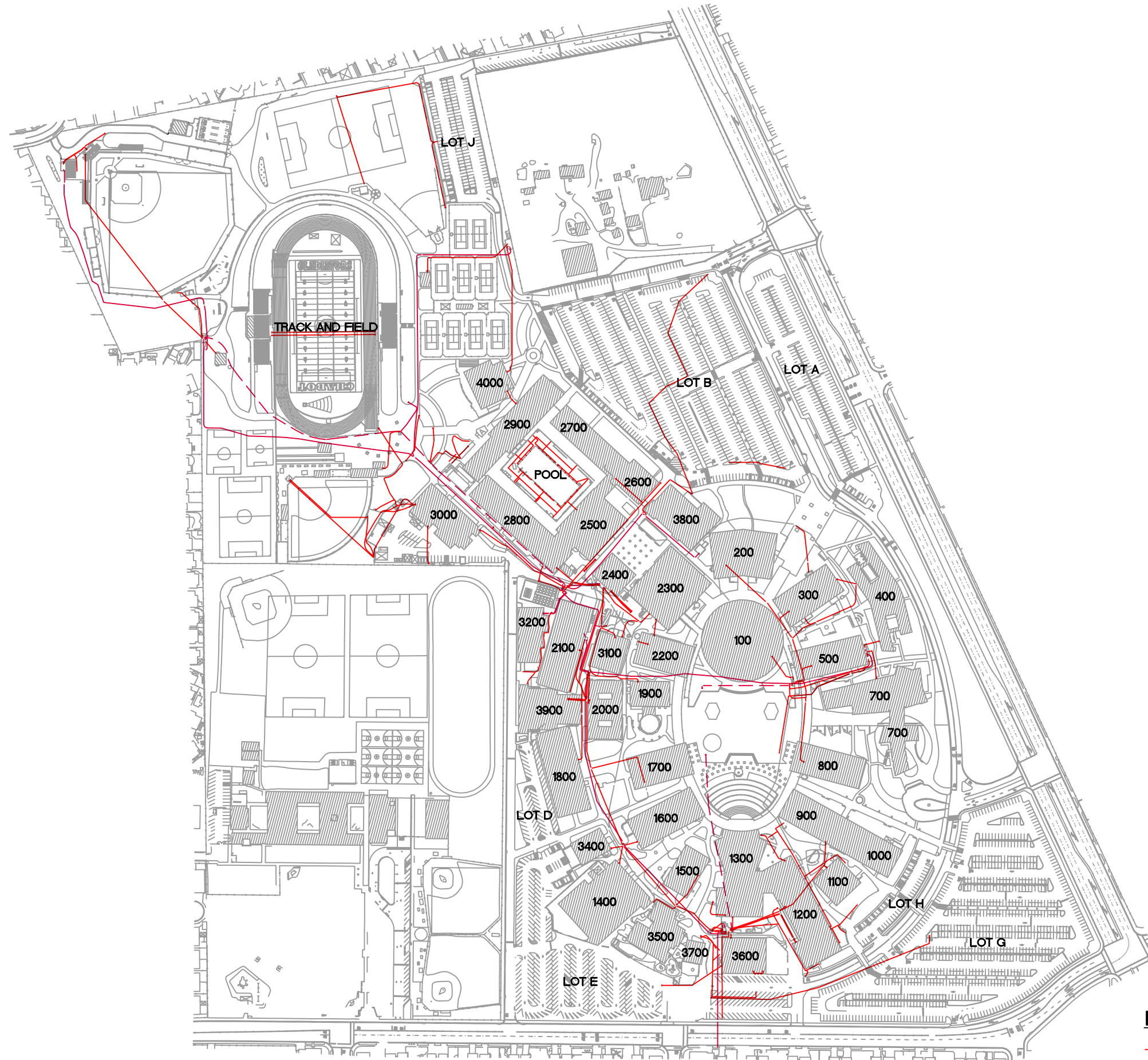
**CAMPUS
UTILITY
SURVEY**

DATE: 12/02/21
SCALE: 1"=100'
DRAWN BY: GL
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SANDS DRAWING No.:
618201.D

SHEET
DW6
OF 85 SHEETS

BLDG # BUILDING NAME

100	LEARNING RESOURCE CENTER
200	ADMINISTRATION
300	BUSINESS EDUCATION BUILDING
400	BUSINESS EDUCATION FACILITY OFFICES
500	SOCIAL SCIENCE BUILDING
700	COMMUNITY STUDENT SERVICE CENTER
800	LANGUAGE ARTS BUILDING
900	HUMANITIES AND FOREIGN LANGUAGE
1000	ART BUILDING
1100	HUMANITIES FACULTY OFFICES
1200	PERFORMING ARTS CENTER
1300	AUDITORIUM
1400	INDUSTRIAL TECHNOLOGY CENTER
1500	TECHNICAL AND VOCATIONAL OFFICES
1600	ENGINEERING BUILDING
1700	PHYSICS AND MATHEMATICS
1800	MATH AND SCIENCE CLASSROOMS
1900	PLANETARIUM
2000	SCIENCE OFFICES
2100	BIOLOGICAL SCIENCES
2200	DENTAL CLINIC
2300	STUDENT CENTER
2400	STUDENT STORE
2500-2900	PE COMPLEX
3000	WAREHOUSE AND MAINTENANCE SHOP
3100	EMERGENCY MEDICAL SERVICES
3400	PRINTSHOP
3500	CHILD CARE CENTER
3600	PORTABLE BUILDING
3700	PORTABLE MODULAR
3800	BOOKSTORE
3900	CHEMISTRY
4000	PE COMPLEX



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**ELECTRICAL
 SYSTEM DIAGRAM**

No.	REVISION	DATE	BY

**CAMPUS
 UTILITY
 SURVEY**

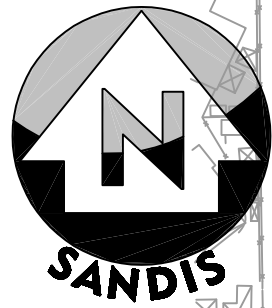
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SHEET
ED
 OF 85 SHEETS

LEGEND

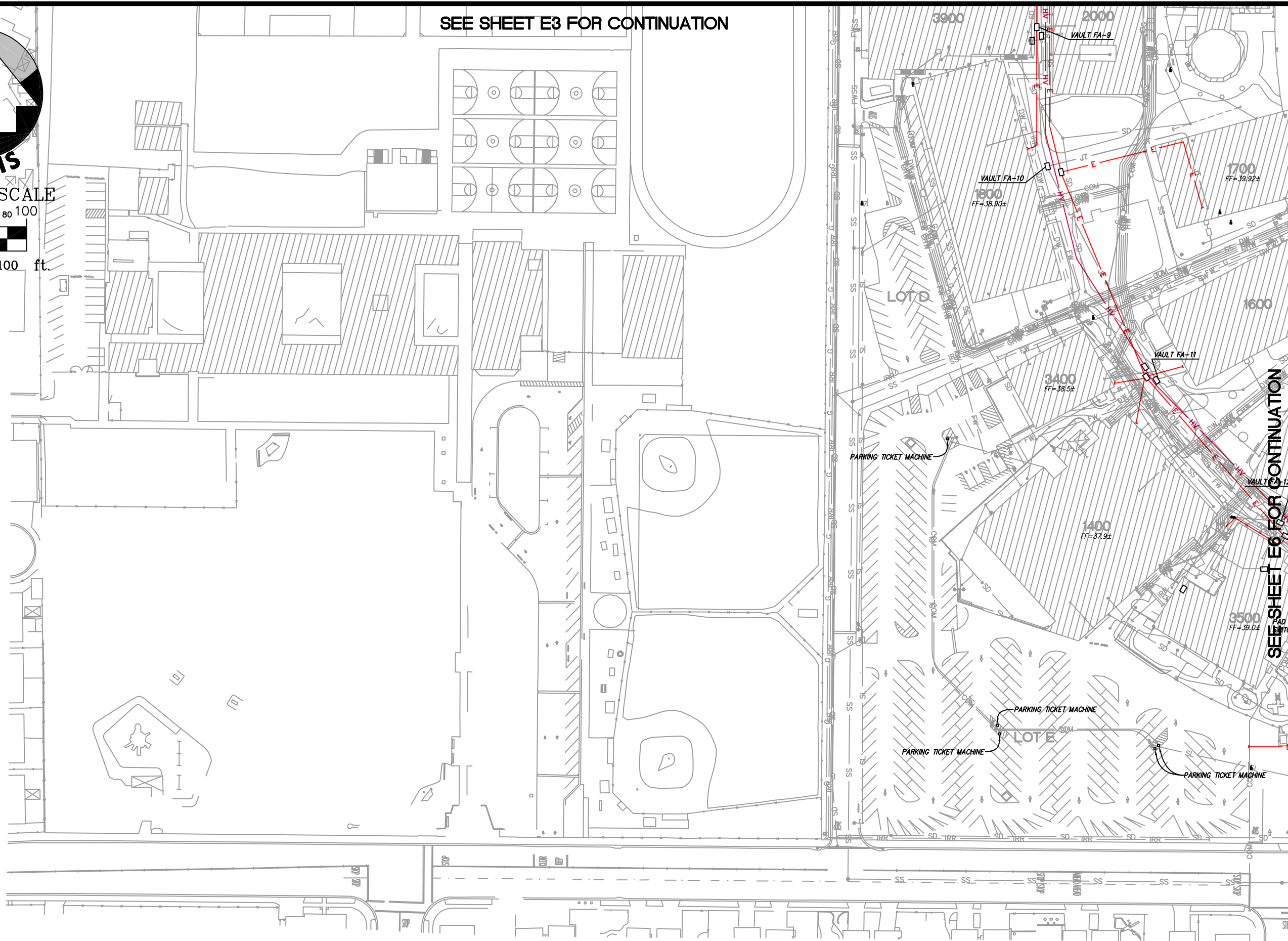
- E — LOW VOLTAGE LINE
- - - ABANDONED 12/15 KV LINE
- = HV = 12/15 KV LINE

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SANDIS
 GRAPHIC SCALE
 0 20 40 60 80 100
 1 inch = 100 ft.

SEE SHEET E3 FOR CONTINUATION



SEE SHEET E6 FOR CONTINUATION

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UTILITY PLAN

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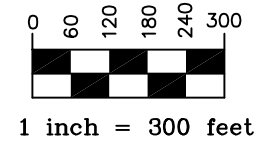
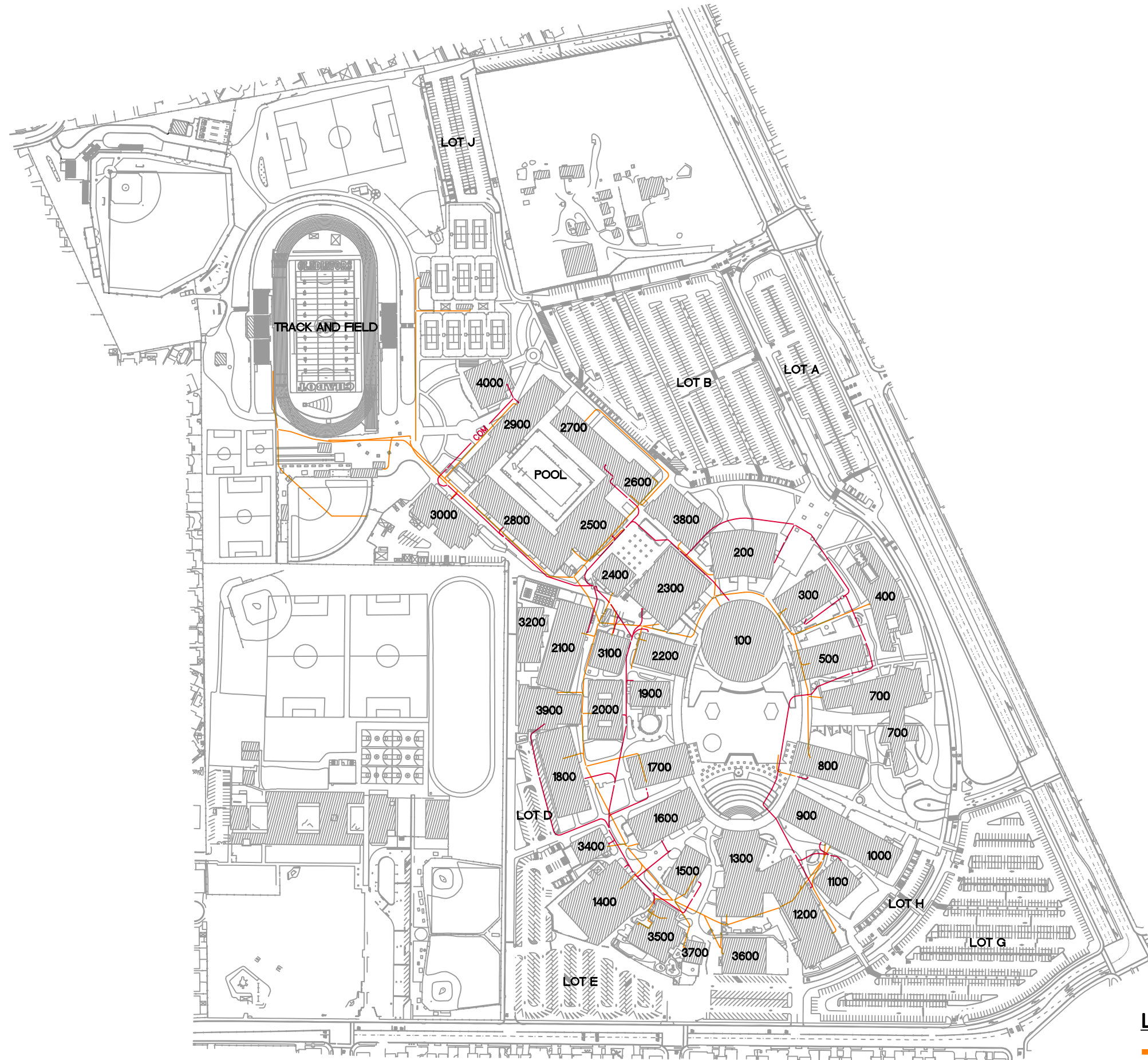
CAMPUS UTILITY SURVEY

DATE: 12/02/21
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 DRAWN BY: GL
 APPROVED BY: MAK
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SHEET
E5
 OF 85 SHEETS

BLDG # BUILDING NAME

- 100 LEARNING RESOURCE CENTER
- 200 ADMINISTRATION
- 300 BUSINESS EDUCATION BUILDING
- 400 BUSINESS EDUCATION FACILITY OFFICES
- 500 SOCIAL SCIENCE BUILDING
- 700 COMMUNITY STUDENT SERVICE CENTER
- 800 LANGUAGE ARTS BUILDING
- 900 HUMANITIES AND FOREIGN LANGUAGE
- 1000 ART BUILDING
- 1100 HUMANITIES FACULTY OFFICES
- 1200 PERFORMING ARTS CENTER
- 1300 AUDITORIUM
- 1400 INDUSTRIAL TECHNOLOGY CENTER
- 1500 TECHNICAL AND VOCATIONAL OFFICES
- 1600 ENGINEERING BUILDING
- 1700 PHYSICS AND MATHEMATICS
- 1800 MATH AND SCIENCE CLASSROOMS
- 1900 PLANETARIUM
- 2000 SCIENCE OFFICES
- 2100 BIOLOGICAL SCIENCES
- 2200 DENTAL CLINIC
- 2300 STUDENT CENTER
- 2400 STUDENT STORE
- 2500-2900 PE COMPLEX
- 3000 WAREHOUSE AND MAINTENANCE SHOP
- 3100 EMERGENCY MEDICAL SERVICES
- 3400 PRINTSHOP
- 3500 CHILD CARE CENTER
- 3600 PORTABLE BUILDING
- 3700 PORTABLE MODULAR
- 3800 BOOKSTORE
- 3900 CHEMISTRY
- 4000 PE COMPLEX



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FIRE ALARM SYSTEM DIAGRAM

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CAMPUS UTILITY SURVEY

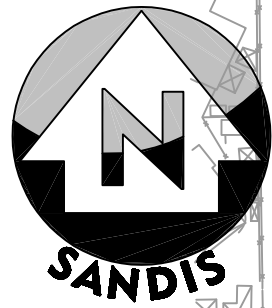
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SHEET
FAD
 OF 85 SHEETS

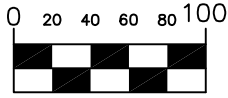
LEGEND

- FIRE ALARM LINE
- FIRE OPTIC FIRE ALARM LINE

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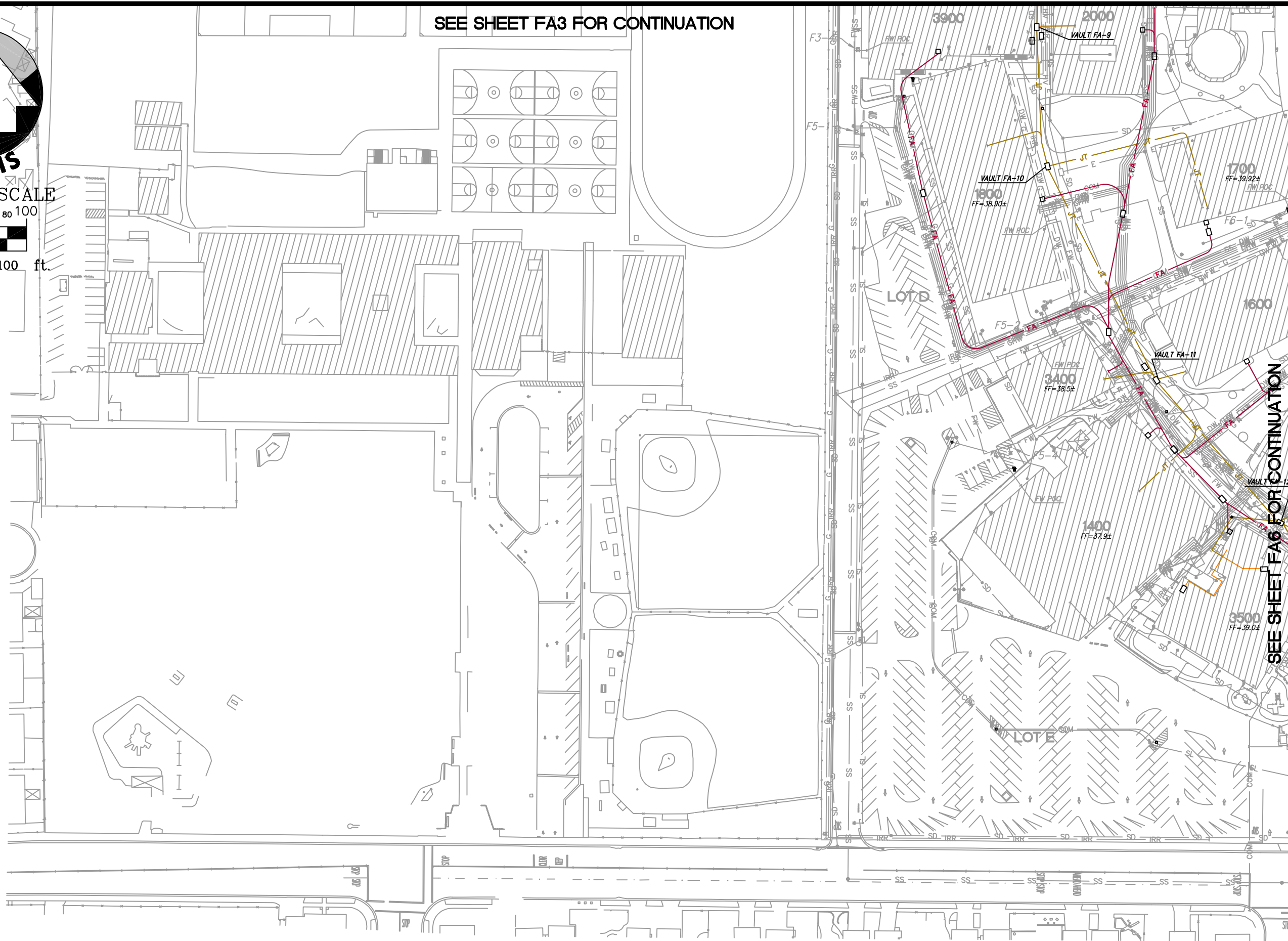


GRAPHIC SCALE



1 inch = 100 ft.

SEE SHEET FA3 FOR CONTINUATION



SEE SHEET FA6 FOR CONTINUATION

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SUNNYSVALE — ROSEVILLE — OAKLAND

UTILITY PLAN

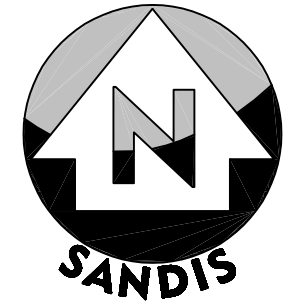
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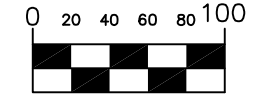
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SHEET
FA5
 OF 85 SHEETS

SEE SHEET FW2 FOR CONTINUATION



GRAPHIC SCALE



1 inch = 100 ft.

WATER VALVE NOTE:

REFER TO "APPENDIX A: CAMPUS WATER VALVE SURVEY" FOR WATER VALVE LOCATION INFORMATION.

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UTILITY PLAN

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CAMPUS UTILITY SURVEY

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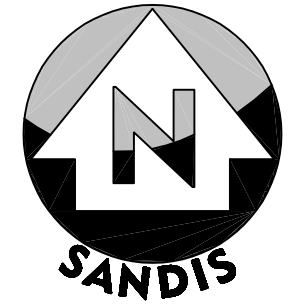
SHEET
FW4
 OF 85 SHEETS

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SEE SHEET FW3 FOR CONTINUATION

SEE SHEET FW6 FOR CONTINUATION

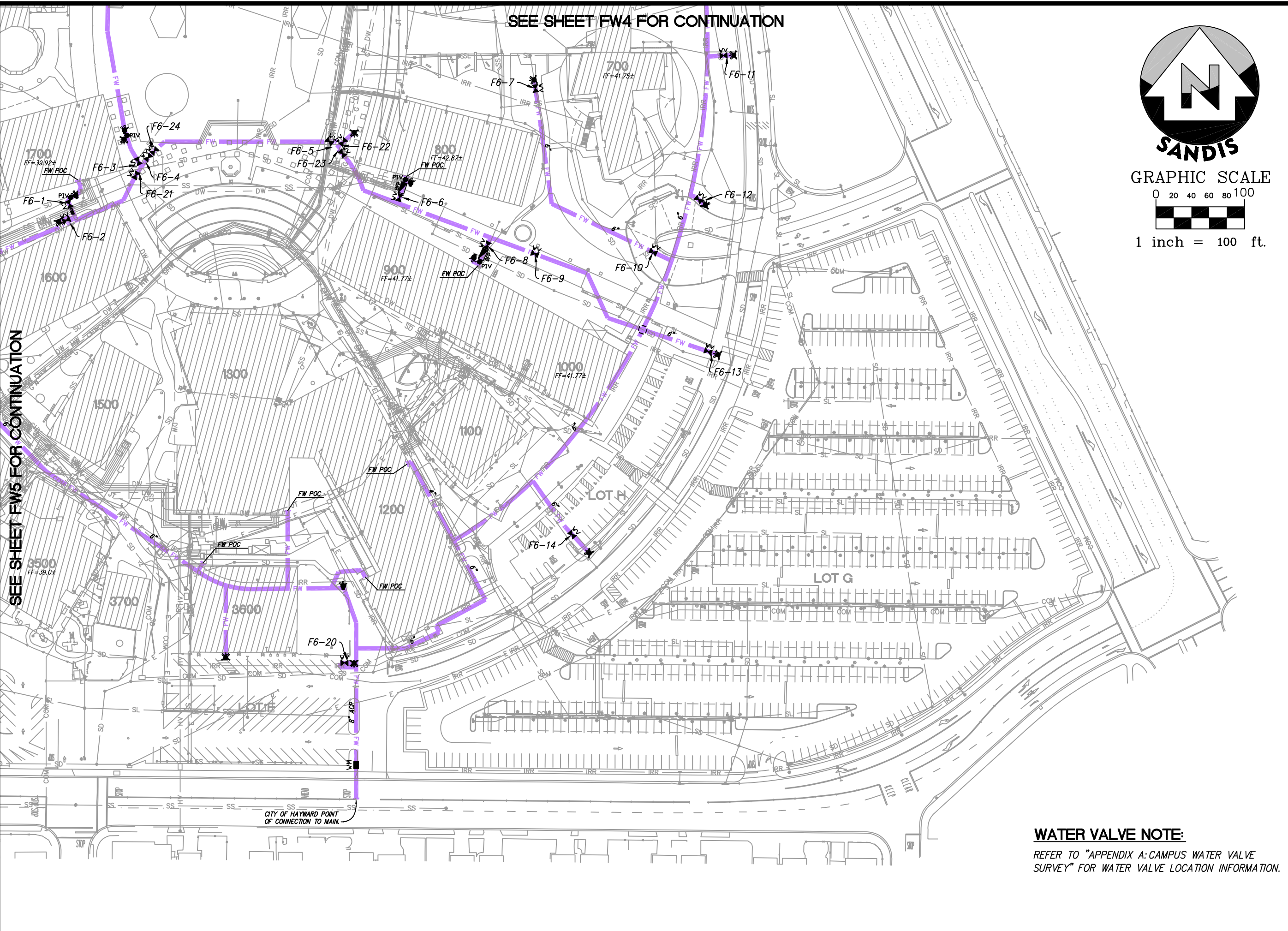
SEE SHEET FW4 FOR CONTINUATION



GRAPHIC SCALE
0 20 40 60 80 100
1 inch = 100 ft.

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CAMPUS UTILITY SURVEY

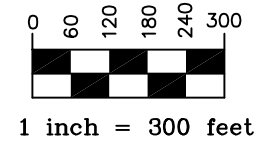
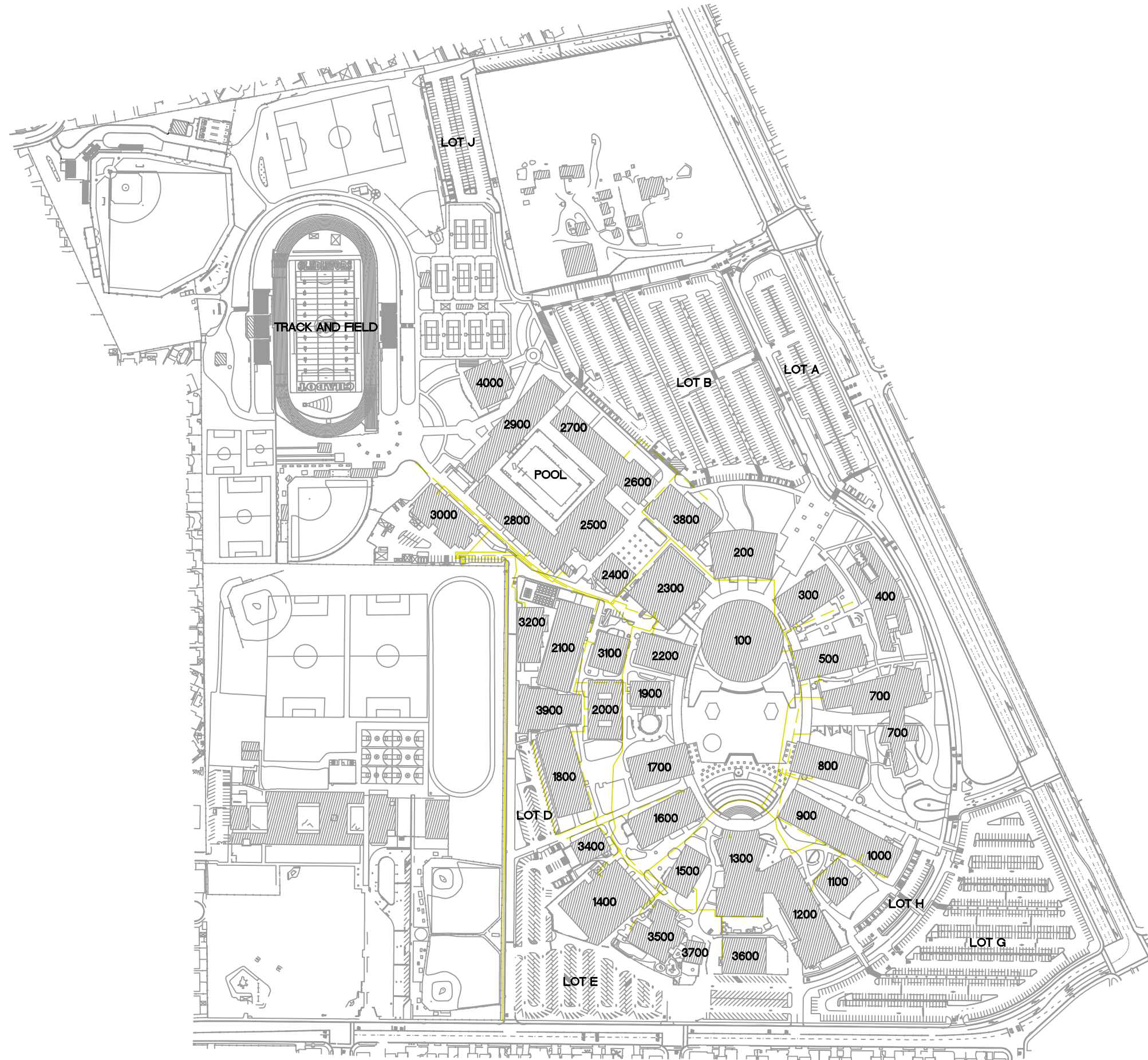
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SANDS DRAWING No.: 618201.D

SHEET
FW6
OF 85 SHEETS

WATER VALVE NOTE:
REFER TO "APPENDIX A: CAMPUS WATER VALVE SURVEY" FOR WATER VALVE LOCATION INFORMATION.

BLDG # BUILDING NAME

- 100 LEARNING RESOURCE CENTER
- 200 ADMINISTRATION
- 300 BUSINESS EDUCATION BUILDING
- 400 BUSINESS EDUCATION FACILITY OFFICES
- 500 SOCIAL SCIENCE BUILDING
- 700 COMMUNITY STUDENT SERVICE CENTER
- 800 LANGUAGE ARTS BUILDING
- 900 HUMANITIES AND FOREIGN LANGUAGE
- 1000 ART BUILDING
- 1100 HUMANITIES FACULTY OFFICES
- 1200 PERFORMING ARTS CENTER
- 1300 AUDITORIUM
- 1400 INDUSTRIAL TECHNOLOGY CENTER
- 1500 TECHNICAL AND VOCATIONAL OFFICES
- 1600 ENGINEERING BUILDING
- 1700 PHYSICS AND MATHEMATICS
- 1800 MATH AND SCIENCE CLASSROOMS
- 1900 PLANETARIUM
- 2000 SCIENCE OFFICES
- 2100 BIOLOGICAL SCIENCES
- 2200 DENTAL CLINIC
- 2300 STUDENT CENTER
- 2400 STUDENT STORE
- 2500-2900 PE COMPLEX
- 3000 WAREHOUSE AND MAINTENANCE SHOP
- 3100 EMERGENCY MEDICAL SERVICES
- 3400 PRINTSHOP
- 3500 CHILD CARE CENTER
- 3600 PORTABLE BUILDING
- 3700 PORTABLE MODULAR
- 3800 BOOKSTORE
- 3900 CHEMISTRY
- 4000 PE COMPLEX



LEGEND

- GAS LINE
- - - - ABANDONED GAS LINE

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NATURAL GAS SYSTEM DIAGRAM

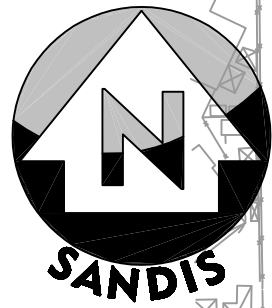
No.	REVISION	DATE	BY

CAMPUS UTILITY SURVEY

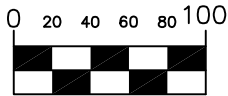
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SHEET
GD
 OF 85 SHEETS

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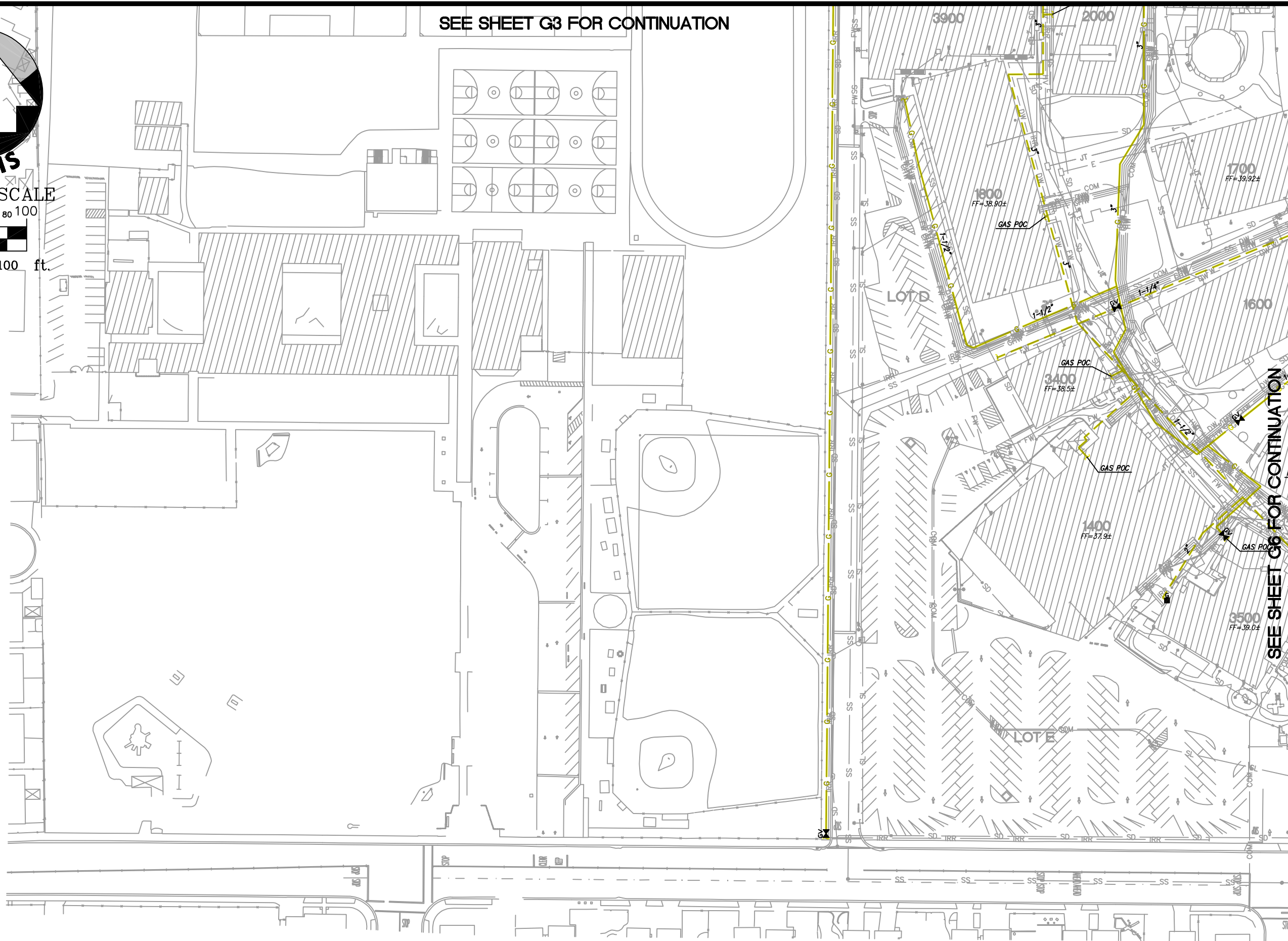


GRAPHIC SCALE



1 inch = 100 ft.

SEE SHEET G3 FOR CONTINUATION



SEE SHEET G6 FOR CONTINUATION

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SUNNYSVALE — ROSEVILLE — OAKLAND

UTILITY PLAN

No.	REVISION	DATE	BY

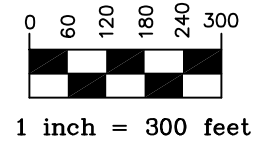
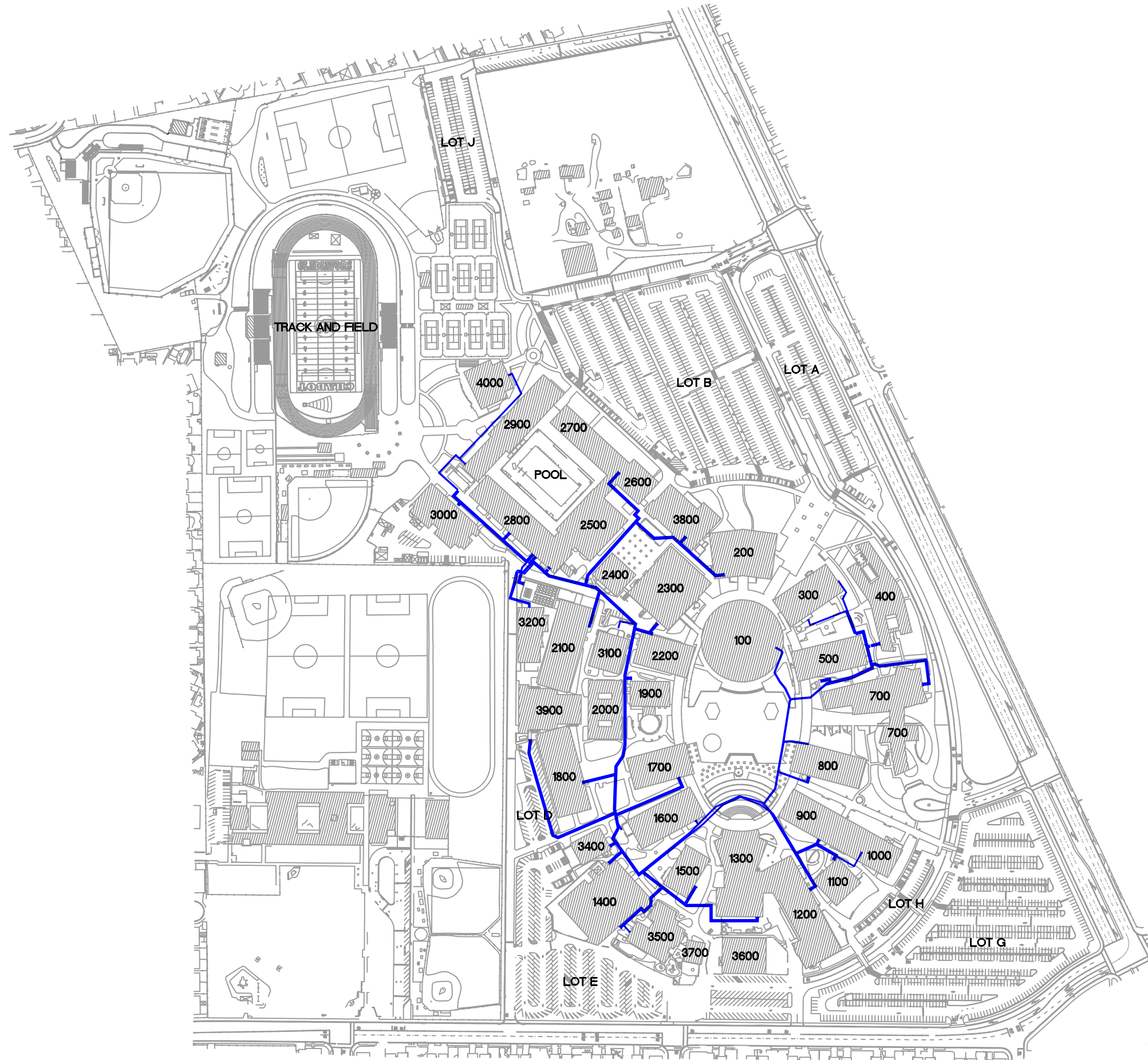
CAMPUS UTILITY SURVEY

DATE: 12/02/21
 SCALE: 1"=100'
 DRAWN BY: GL
 APPROVED BY: MAK
 SANDS DRAWING No.: 618201.D

SHEET
G5
 OF 85 SHEETS

BLDG # BUILDING NAME

- 100 LEARNING RESOURCE CENTER
- 200 ADMINISTRATION
- 300 BUSINESS EDUCATION BUILDING
- 400 BUSINESS EDUCATION FACILITY OFFICES
- 500 SOCIAL SCIENCE BUILDING
- 700 COMMUNITY STUDENT SERVICE CENTER
- 800 LANGUAGE ARTS BUILDING
- 900 HUMANITIES AND FOREIGN LANGUAGE
- 1000 ART BUILDING
- 1100 HUMANITIES FACULTY OFFICES
- 1200 PERFORMING ARTS CENTER
- 1300 AUDITORIUM
- 1400 INDUSTRIAL TECHNOLOGY CENTER
- 1500 TECHNICAL AND VOCATIONAL OFFICES
- 1600 ENGINEERING BUILDING
- 1700 PHYSICS AND MATHEMATICS
- 1800 MATH AND SCIENCE CLASSROOMS
- 1900 PLANETARIUM
- 2000 SCIENCE OFFICES
- 2100 BIOLOGICAL SCIENCES
- 2200 DENTAL CLINIC
- 2300 STUDENT CENTER
- 2400 STUDENT STORE
- 2500-2900 PE COMPLEX
- 3000 WAREHOUSE AND MAINTENANCE SHOP
- 3100 EMERGENCY MEDICAL SERVICES
- 3400 PRINTSHOP
- 3500 CHILD CARE CENTER
- 3600 PORTABLE BUILDING
- 3700 PORTABLE MODULAR
- 3800 BOOKSTORE
- 3900 CHEMISTRY
- 4000 PE COMPLEX



LEGEND
 HYDRONICS LINE

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HYDRONICS SYSTEM DIAGRAM

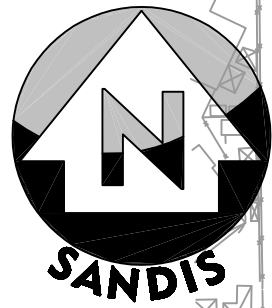
No.	REVISION	DATE	BY

CAMPUS UTILITY SURVEY

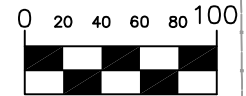
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SHEET
HD
 OF 85 SHEETS

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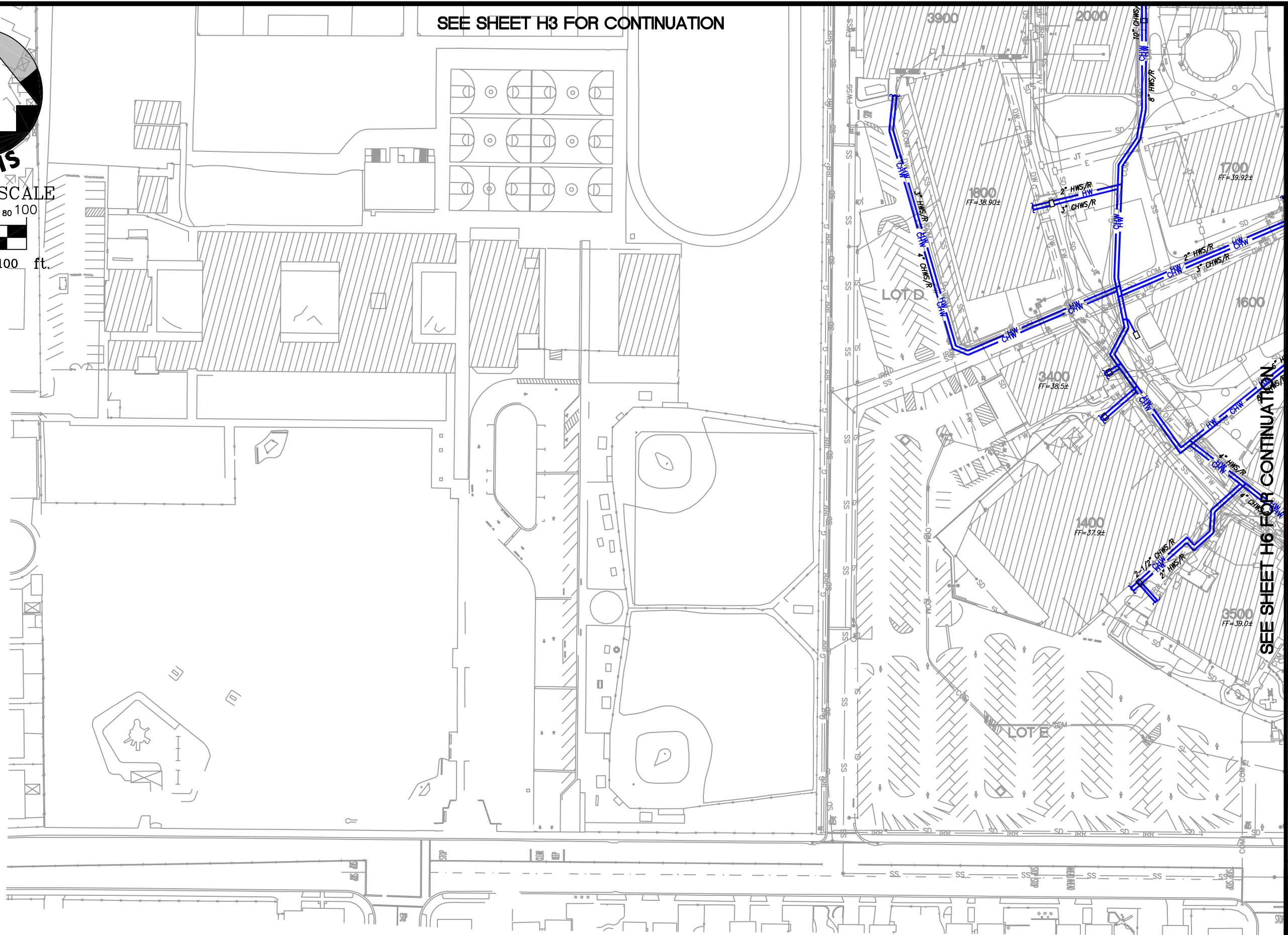


GRAPHIC SCALE



1 inch = 100 ft.

SEE SHEET H3 FOR CONTINUATION



SEE SHEET H6 FOR CONTINUATION

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UTILITY PLAN

No.	REVISION	DATE	BY

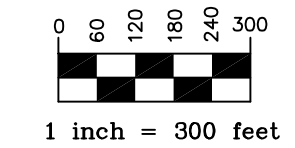
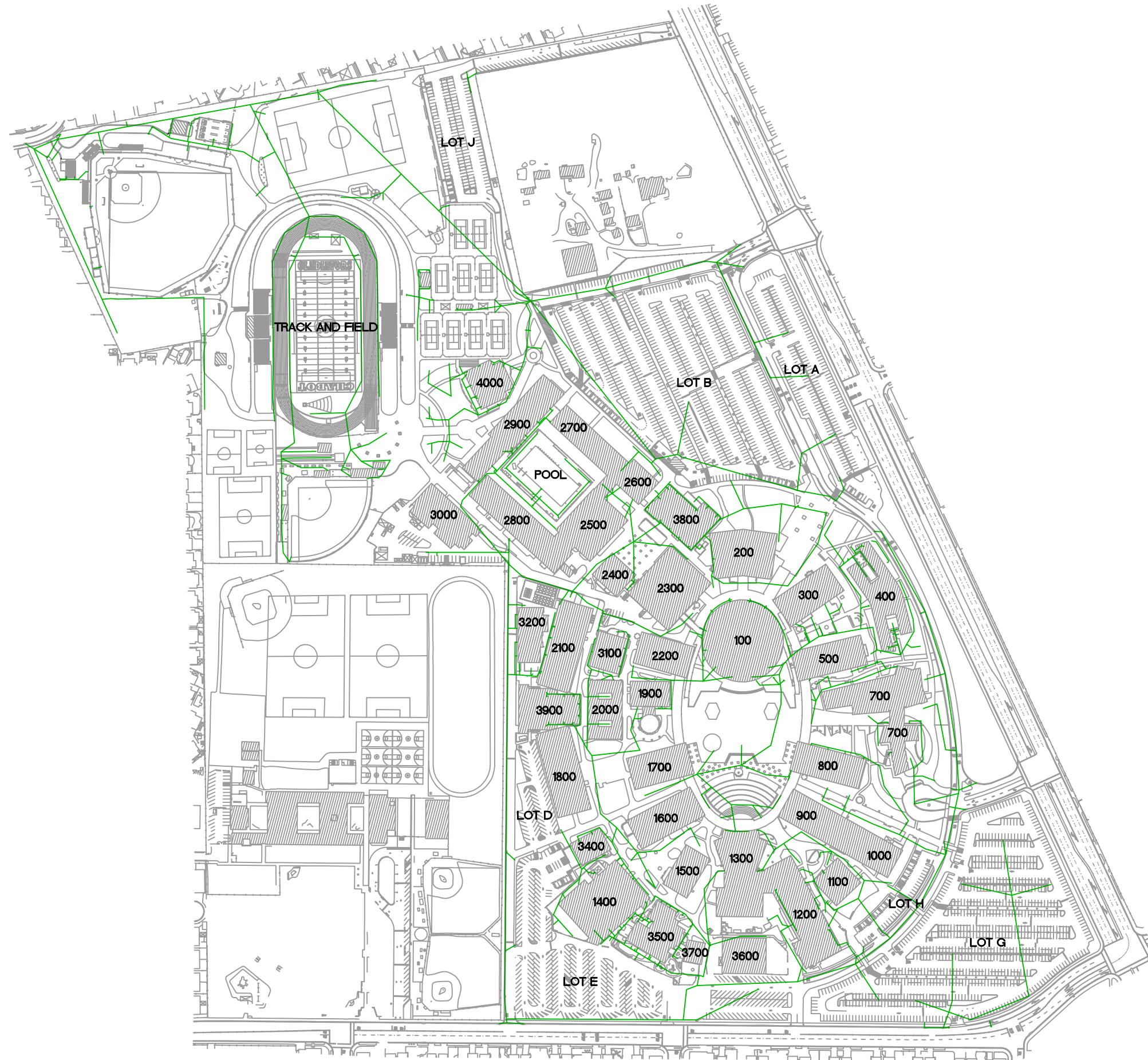
CAMPUS UTILITY SURVEY

DATE: 12/02/21
 SCALE: 1"=100'
 DRAWN BY: GL
 APPROVED BY: MAK
 SANDS DRAWING No.: 618201.D

SHEET
H5
 OF 85 SHEETS

BLDG # BUILDING NAME

100	LEARNING RESOURCE CENTER
200	ADMINISTRATION
300	BUSINESS EDUCATION BUILDING
400	BUSINESS EDUCATION FACILITY OFFICES
500	SOCIAL SCIENCE BUILDING
700	COMMUNITY STUDENT SERVICE CENTER
800	LANGUAGE ARTS BUILDING
900	HUMANITIES AND FOREIGN LANGUAGE
1000	ART BUILDING
1100	HUMANITIES FACULTY OFFICES
1200	PERFORMING ARTS CENTER
1300	AUDITORIUM
1400	INDUSTRIAL TECHNOLOGY CENTER
1500	TECHNICAL AND VOCATIONAL OFFICES
1600	ENGINEERING BUILDING
1700	PHYSICS AND MATHEMATICS
1800	MATH AND SCIENCE CLASSROOMS
1900	PLANETARIUM
2000	SCIENCE OFFICES
2100	BIOLOGICAL SCIENCES
2200	DENTAL CLINIC
2300	STUDENT CENTER
2400	STUDENT STORE
2500-2900	PE COMPLEX
3000	WAREHOUSE AND MAINTENANCE SHOP
3100	EMERGENCY MEDICAL SERVICES
3400	PRINTSHOP
3500	CHILD CARE CENTER
3600	PORTABLE BUILDING
3700	PORTABLE MODULAR
3800	BOOKSTORE
3900	CHEMISTRY
4000	PE COMPLEX



LEGEND

	STORM DRAIN LINE
	PERFORATED PIPE
	SDMH
	CATCH BASIN
	AREA DRAIN
	CLEAN OUT
	DOWN SPOUT

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SUNBURYVALE - IOWA

STORM DRAIN SYSTEM DIAGRAM

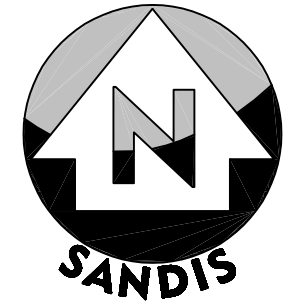
No.	REVISION	DATE	BY

CAMPUS UTILITY SURVEY

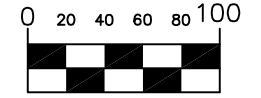
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SCALE: 1"=300'
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SHEET
SDD
OF 85 SHEETS

SEE SHEET SD2 FOR CONTINUATION



GRAPHIC SCALE



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UTILITY PLAN

No.	REVISION	DATE	BY

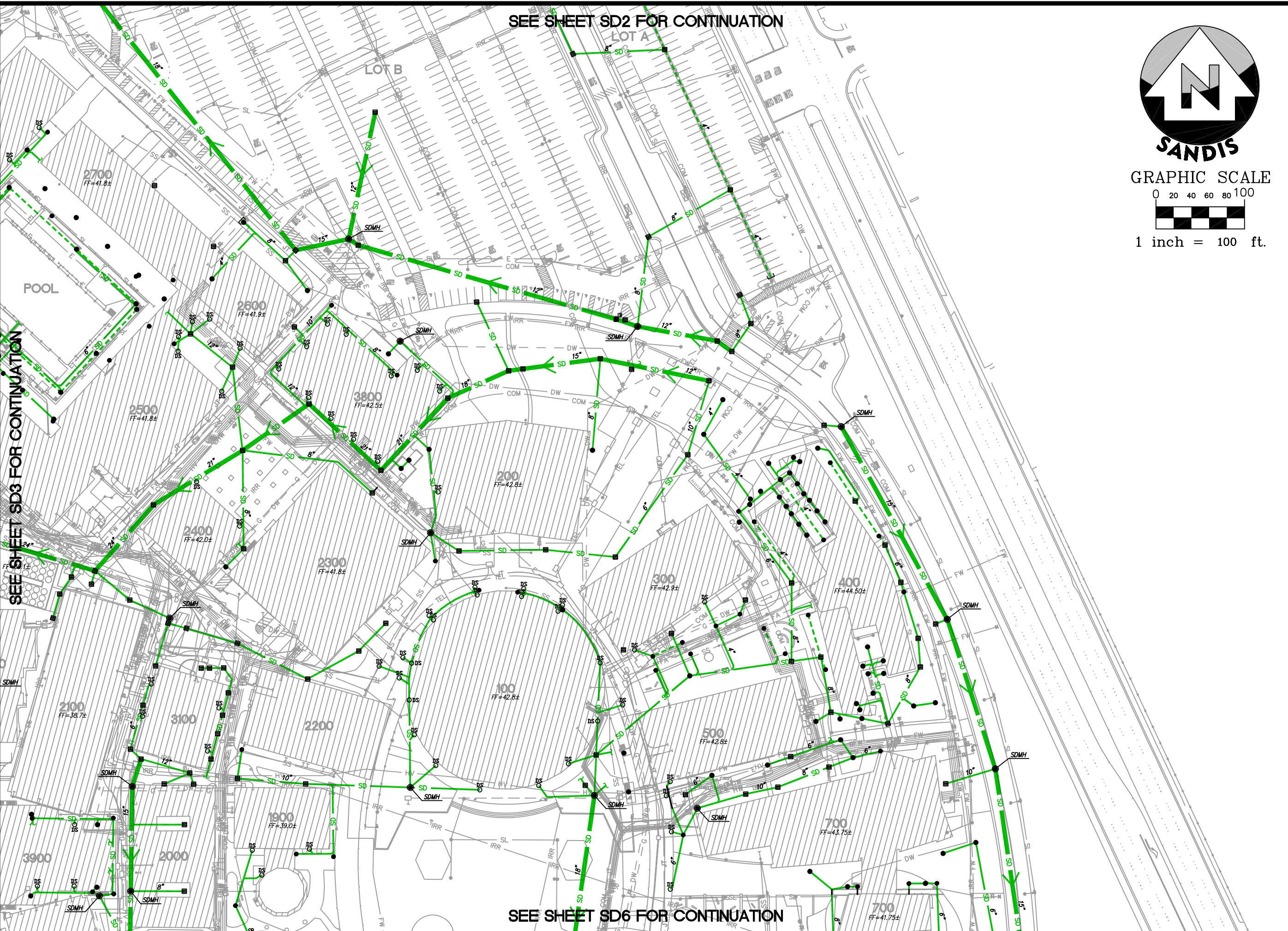
CAMPUS UTILITY SURVEY

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SCALE: 1"=100'
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APPROVED BY: MAK
SANDS DRAWING No.: 618201.D

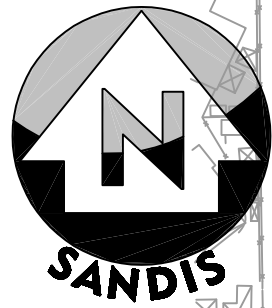
SHEET
SD4
OF 85 SHEETS

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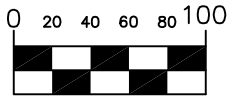
SEE SHEET SD3 FOR CONTINUATION



SEE SHEET SD6 FOR CONTINUATION

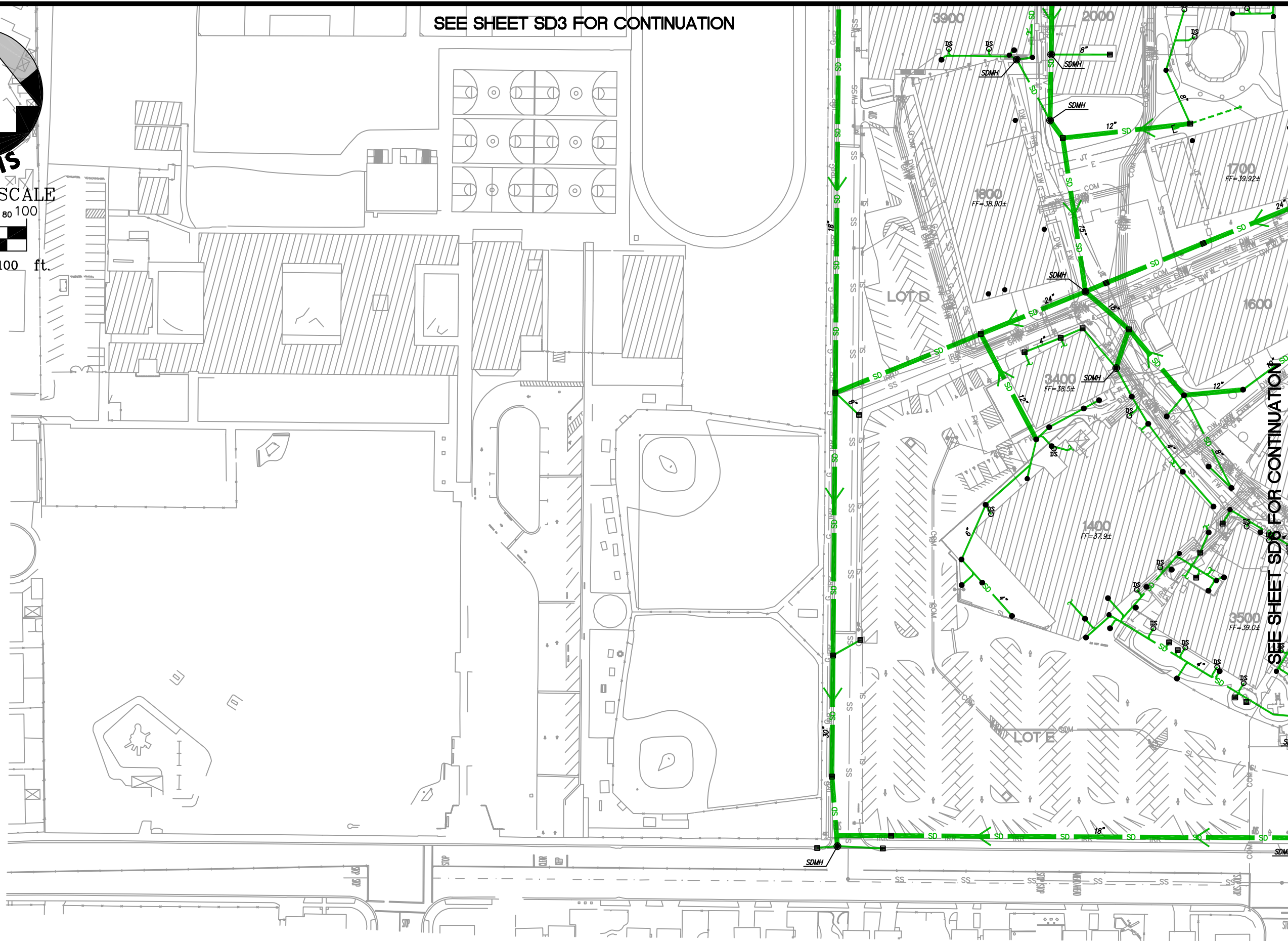


SANDIS
GRAPHIC SCALE



1 inch = 100 ft.

SEE SHEET SD3 FOR CONTINUATION



SEE SHEET SD6 FOR CONTINUATION

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 SUNDYVALE - OAKLAND

UTILITY PLAN

No.	REVISION	DATE	BY

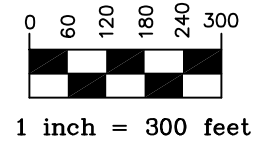
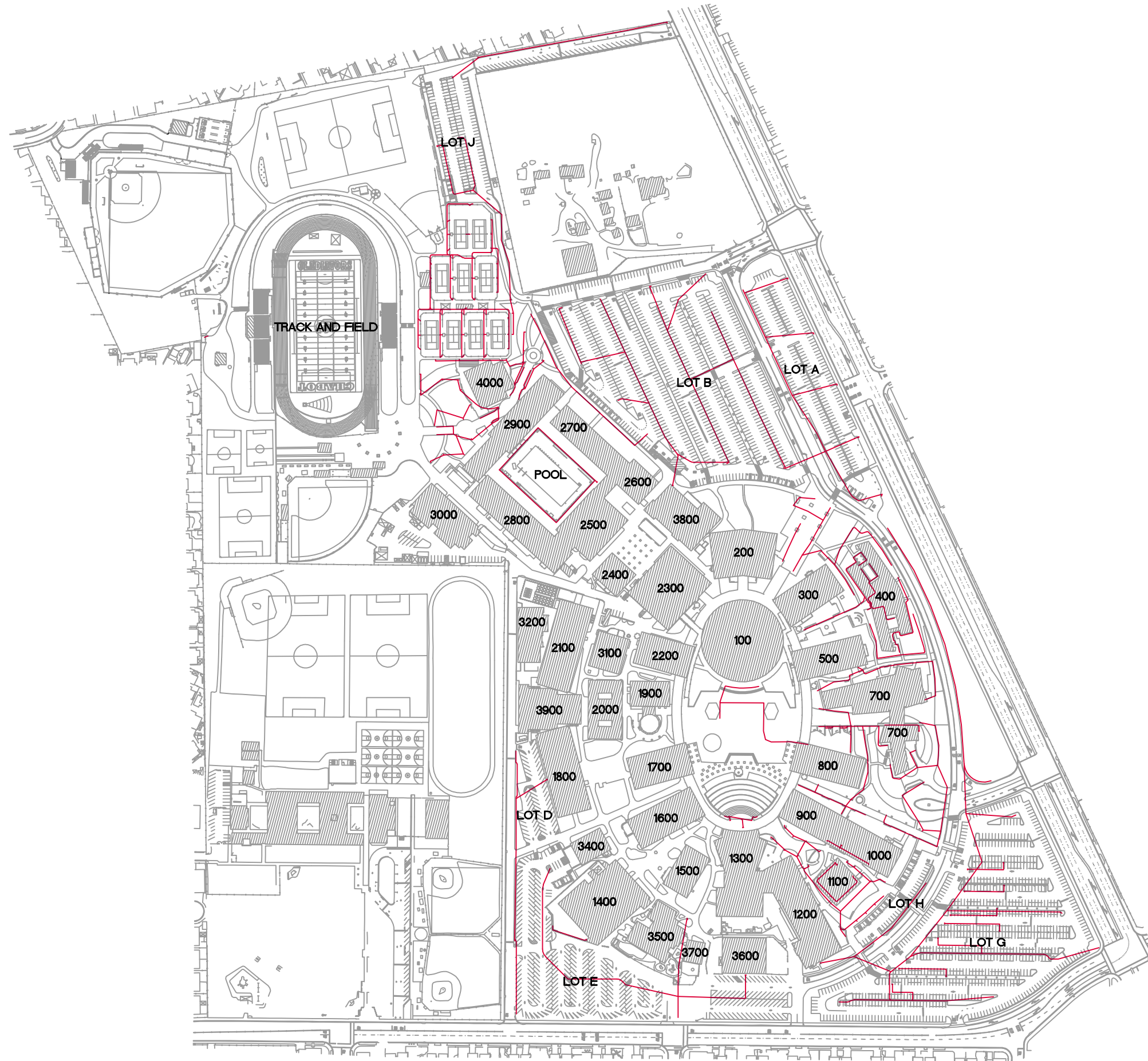
CAMPUS UTILITY SURVEY

DATE: 12/02/21
 SCALE: 1"=100'
 DRAWN BY: GL
 APPROVED BY: MAK
 SANDS DRAWING No.: 618201.D

SHEET
SD5
 OF 85 SHEETS

BLDG # BUILDING NAME

- 100 LEARNING RESOURCE CENTER
- 200 ADMINISTRATION
- 300 BUSINESS EDUCATION BUILDING
- 400 BUSINESS EDUCATION FACILITY OFFICES
- 500 SOCIAL SCIENCE BUILDING
- 700 COMMUNITY STUDENT SERVICE CENTER
- 800 LANGUAGE ARTS BUILDING
- 900 HUMANITIES AND FOREIGN LANGUAGE
- 1000 ART BUILDING
- 1100 HUMANITIES FACULTY OFFICES
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- 3700 PORTABLE MODULAR
- 3800 BOOKSTORE
- 3900 CHEMISTRY
- 4000 PE COMPLEX



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SUNBURYVALE - OMAHA - IOWA

STREET LIGHT SYSTEM DIAGRAM

No.	REVISION	DATE	BY

CAMPUS UTILITY SURVEY

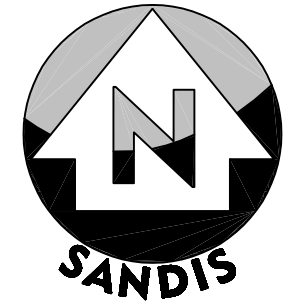
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SHEET
SLD
OF 85 SHEETS

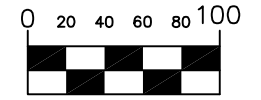
LEGEND
— STREET LIGHT LINE

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SEE SHEET SL2 FOR CONTINUATION



GRAPHIC SCALE



1 inch = 100 ft.

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UTILITY PLAN

No.	REVISION	DATE	BY

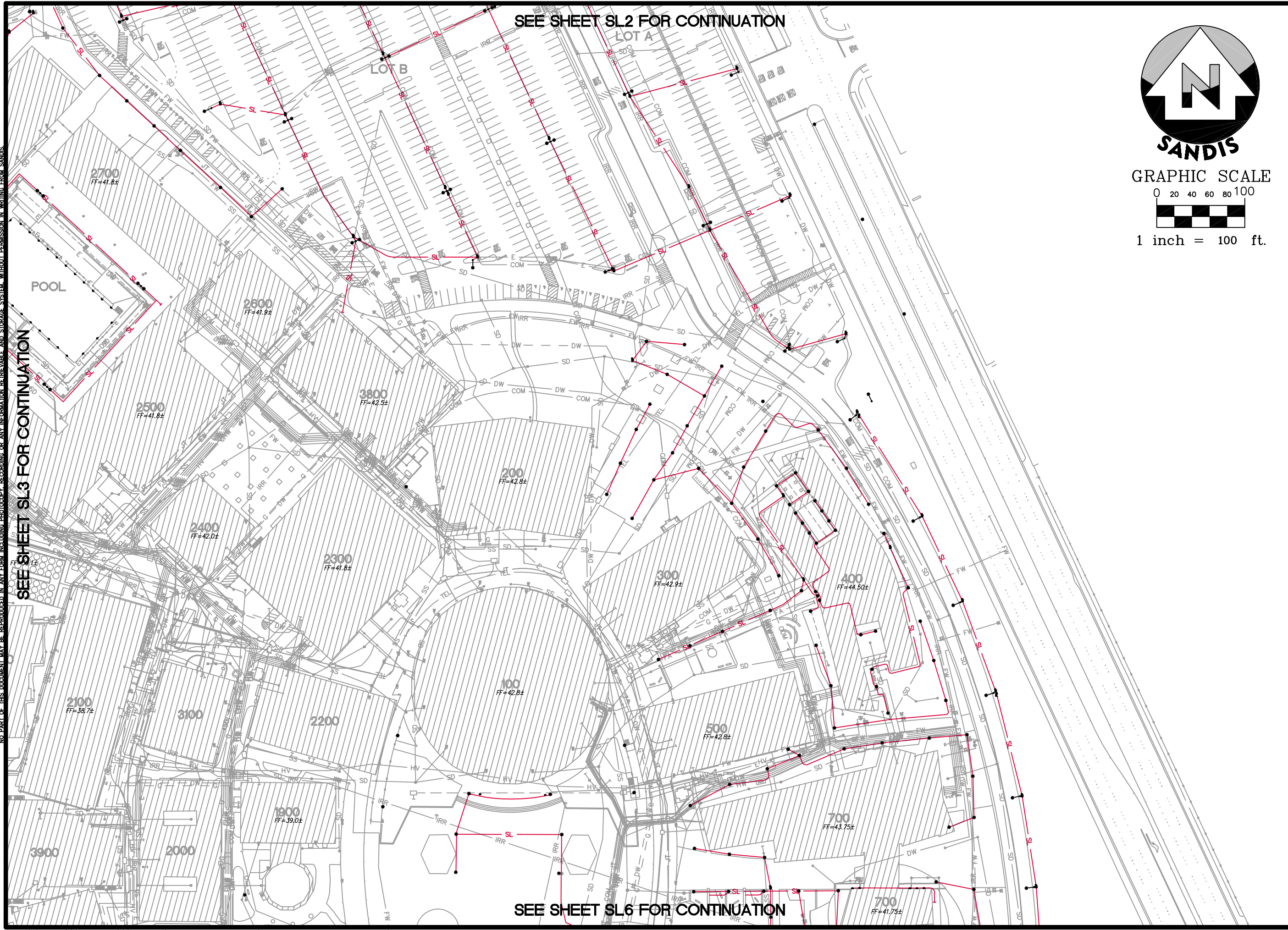
CAMPUS UTILITY SURVEY

DATE: 12/02/21
SCALE: 1"=100'
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APPROVED BY: MAK
SANDS DRAWING No.: 618201.D

SHEET
SL4
OF 85 SHEETS

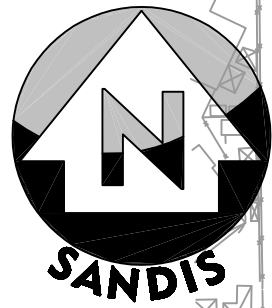
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SEE SHEET SL3 FOR CONTINUATION

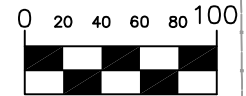


SEE SHEET SL6 FOR CONTINUATION

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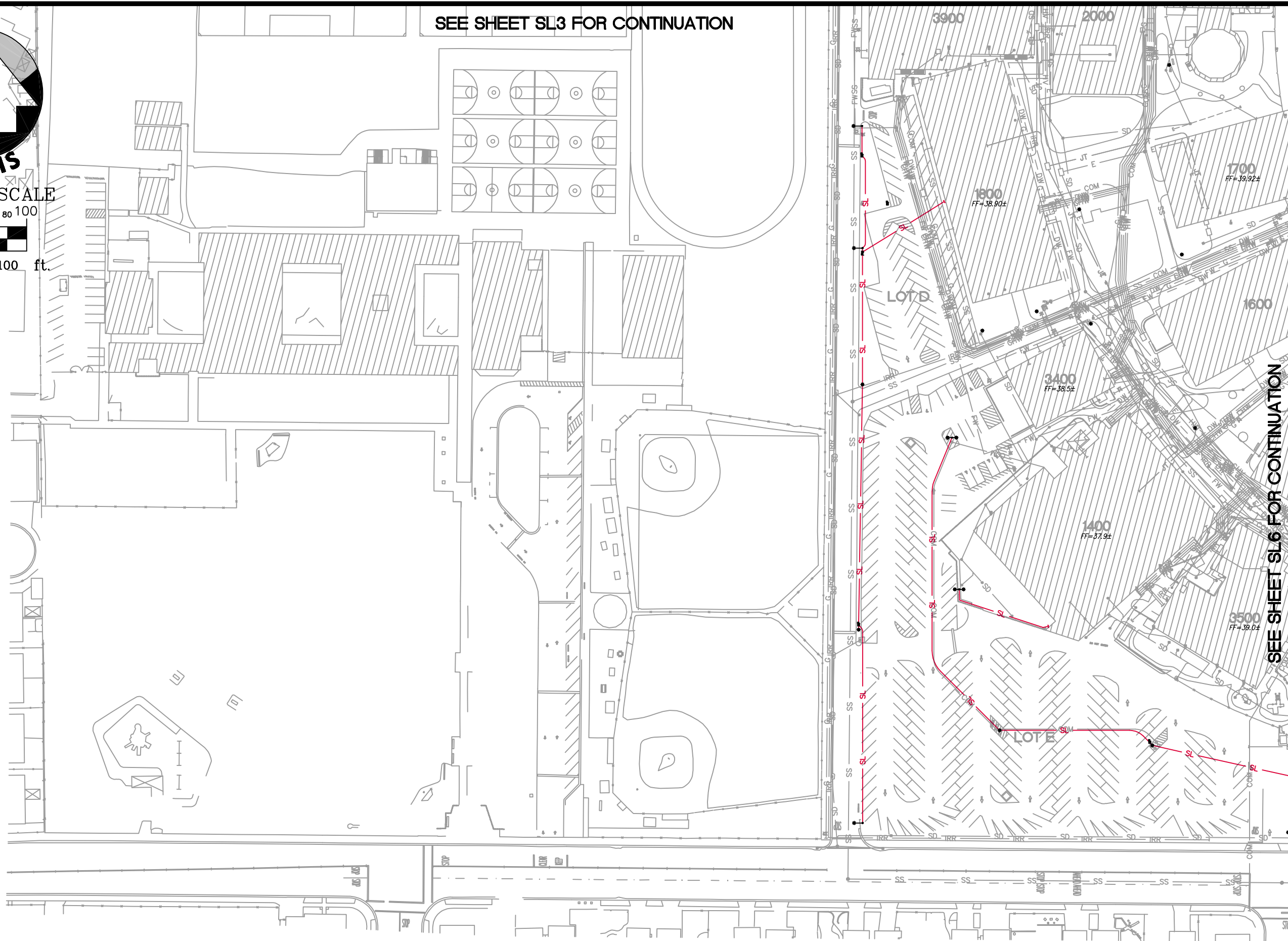


GRAPHIC SCALE



1 inch = 100 ft.

SEE SHEET SL3 FOR CONTINUATION



SEE SHEET SL6 FOR CONTINUATION

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UTILITY PLAN

No.	REVISION	DATE	BY

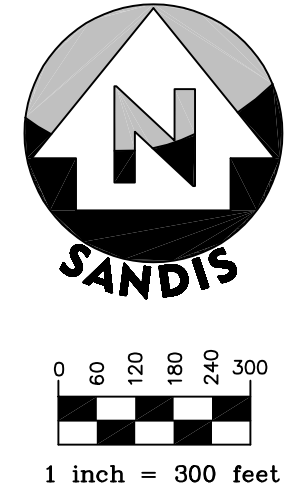
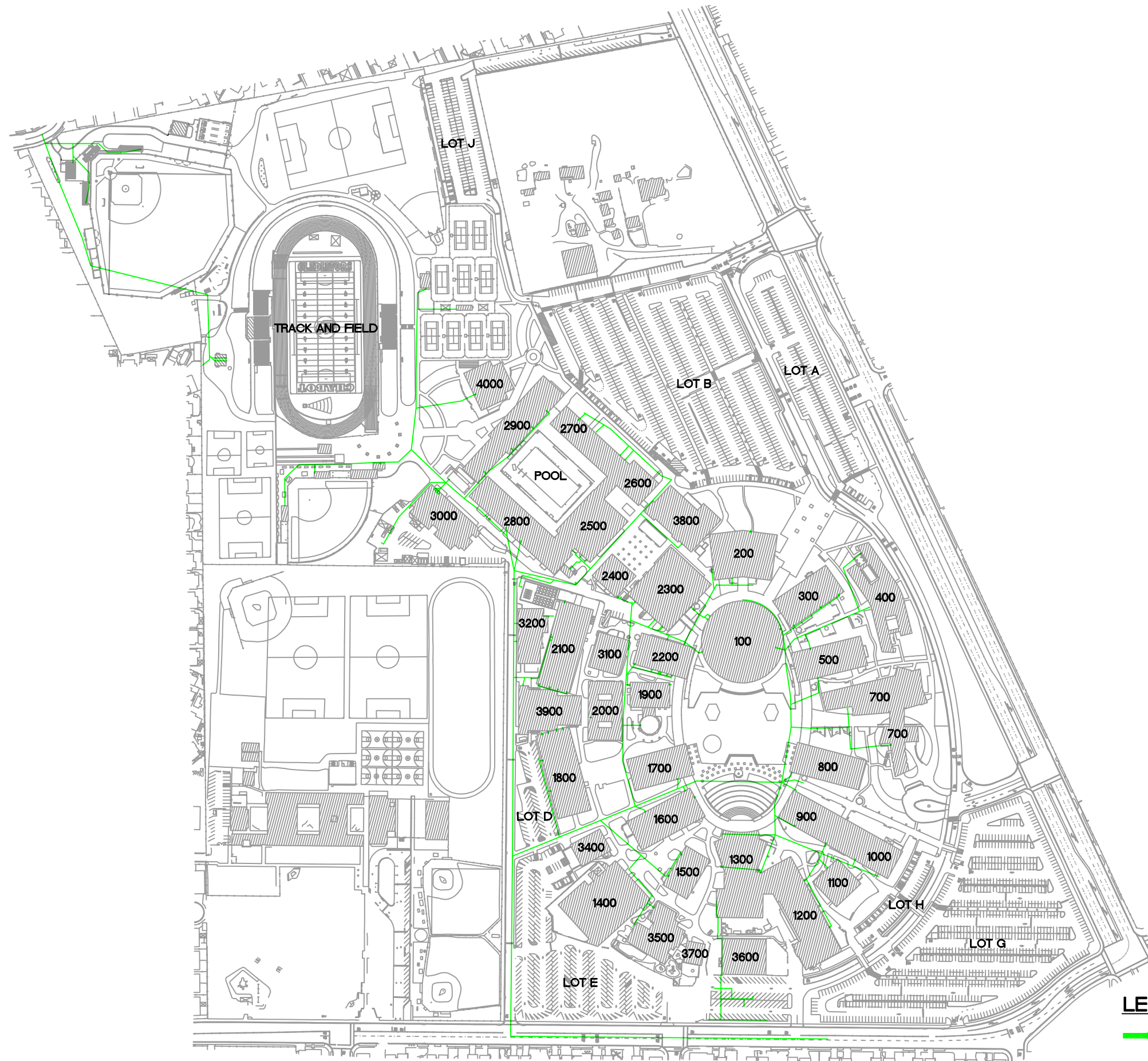
CAMPUS UTILITY SURVEY

DATE: 12/02/21
 SCALE: 1"=100'
 DRAWN BY: GL
 APPROVED BY: MAK
 SANDS DRAWING No.: 618201.D

SHEET
SL5
 OF 85 SHEETS

BLDG # BUILDING NAME

- 100 LEARNING RESOURCE CENTER
- 200 ADMINISTRATION
- 300 BUSINESS EDUCATION BUILDING
- 400 BUSINESS EDUCATION FACILITY OFFICES
- 500 SOCIAL SCIENCE BUILDING
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- 3600 PORTABLE BUILDING
- 3700 PORTABLE MODULAR
- 3800 BOOKSTORE
- 3900 CHEMISTRY
- 4000 PE COMPLEX



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SANITARY SEWER SYSTEM DIAGRAM

No.	REVISION	DATE	BY

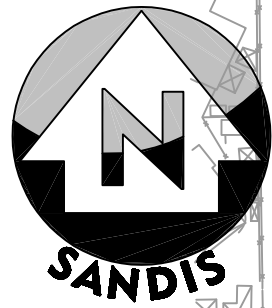
CAMPUS UTILITY SURVEY

DATE: 12/02/21
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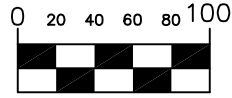
SHEET
SSD
 OF 85 SHEETS

LEGEND

- SANITARY SEWER LINE
- SSMH WITH REFERENCE NUMBER

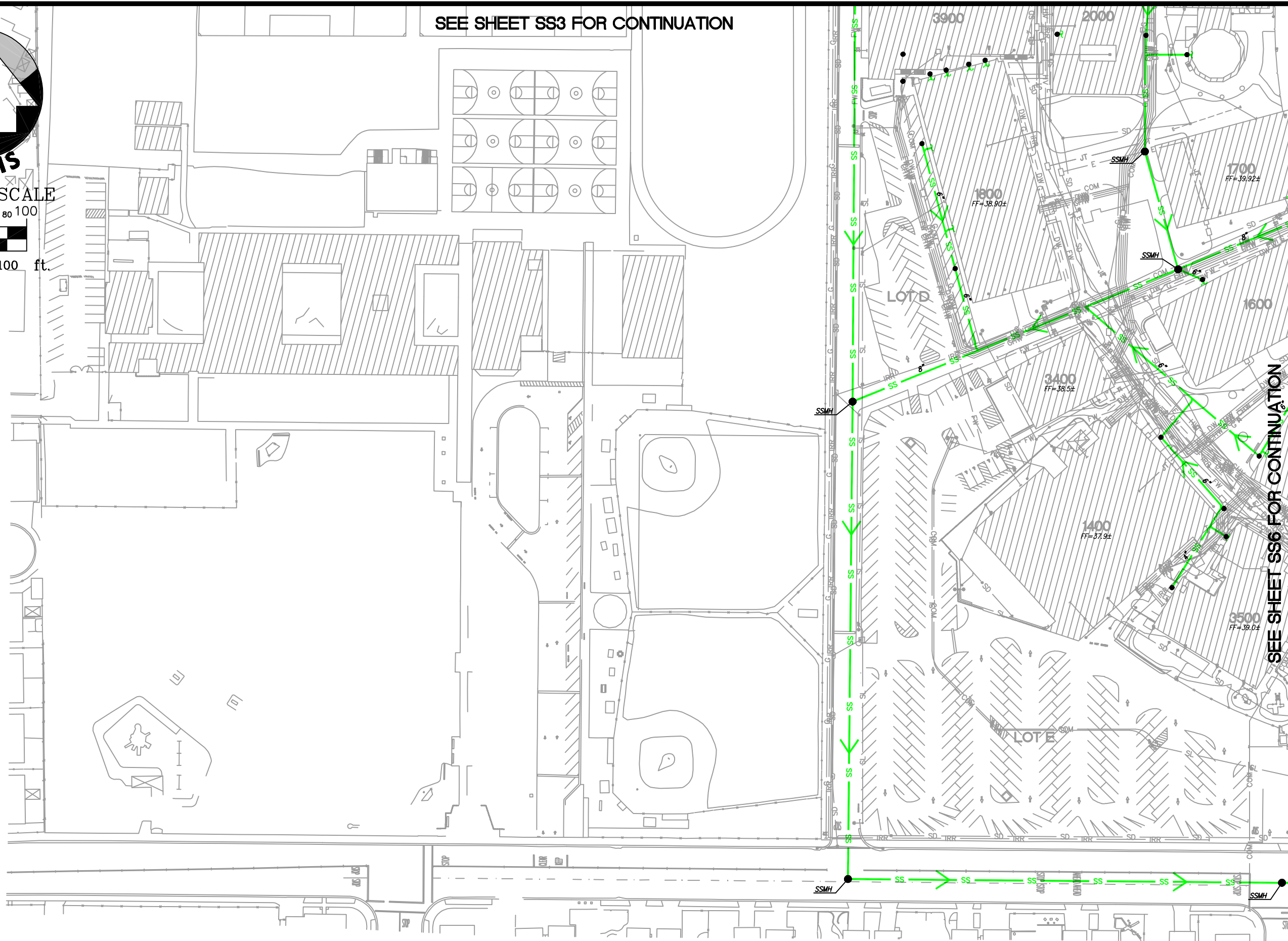


GRAPHIC SCALE



1 inch = 100 ft.

SEE SHEET SS3 FOR CONTINUATION



SEE SHEET SS6 FOR CONTINUATION

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UTILITY PLAN

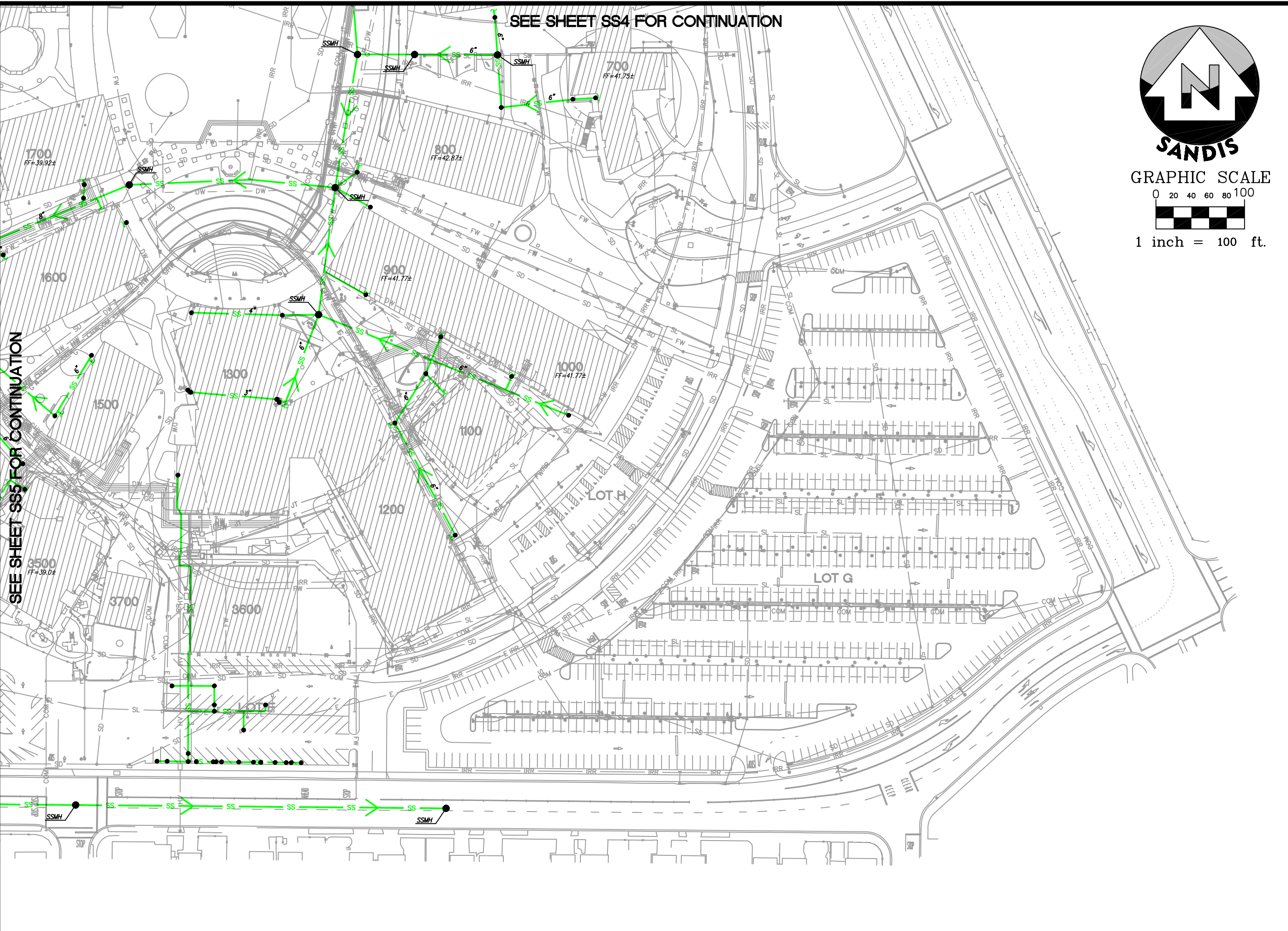
No.	REVISION	DATE	BY

CAMPUS UTILITY SURVEY

DATE: 12/02/21
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 DRAWN BY: GL
 APPROVED BY: MAK
 SANDS DRAWING No.: 618201.D

SHEET
SS5
 OF 85 SHEETS

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GRAPHIC SCALE
0 20 40 60 80 100
1 inch = 100 ft.

SEE SHEET SS5 FOR CONTINUATION

SEE SHEET SS4 FOR CONTINUATION

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SUNNYSVALE — ORLAND

UTILITY PLAN

No.	REVISION	DATE	BY

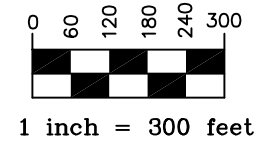
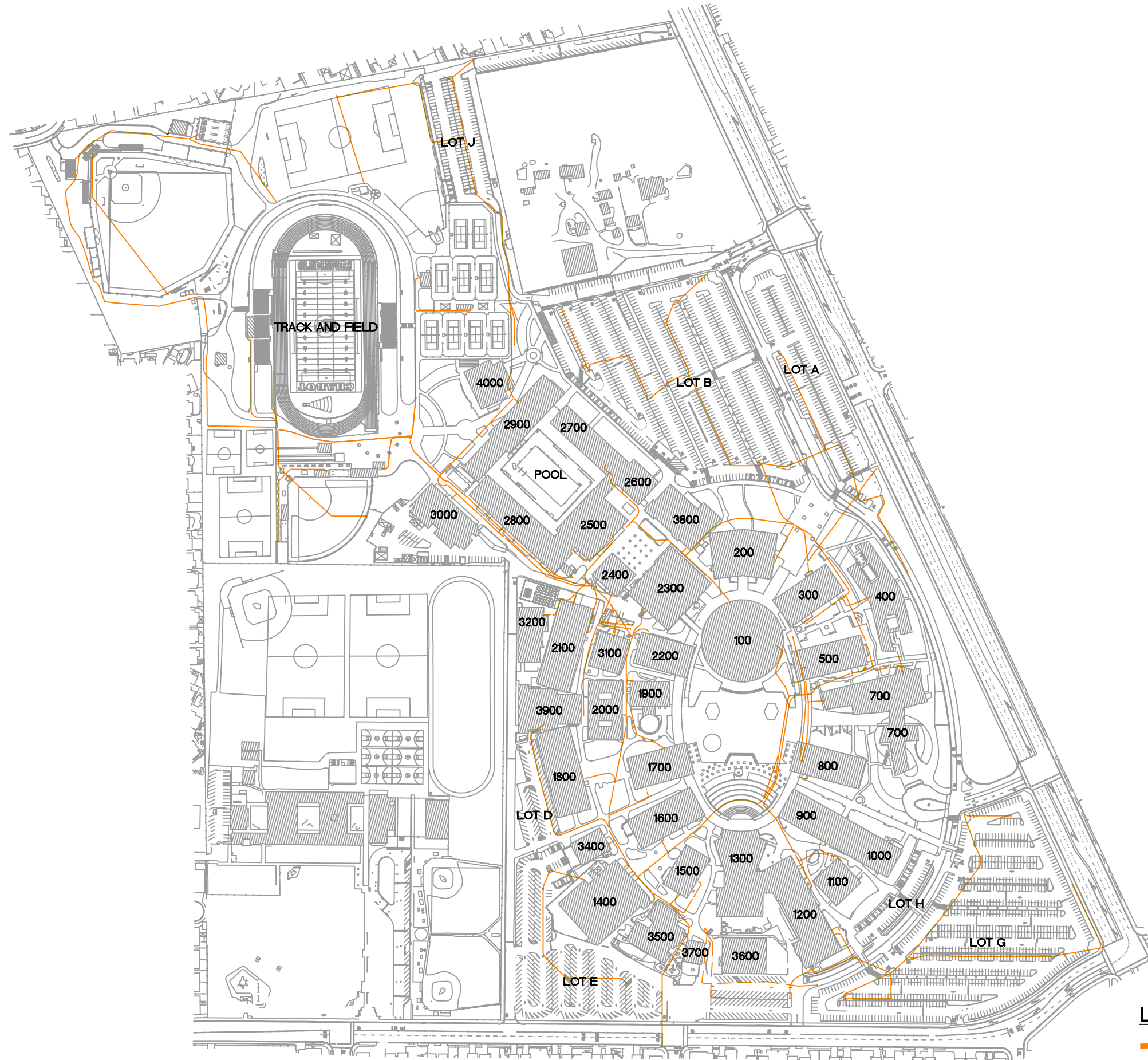
CAMPUS UTILITY SURVEY

DATE: 12/02/21
SCALE: 1"=100'
DRAWN BY: GL
APPROVED BY: MAK
SANDS DRAWING No.: 618201.D

SHEET
SS6
OF 85 SHEETS

BLDG # BUILDING NAME

- 100 LEARNING RESOURCE CENTER
- 200 ADMINISTRATION
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- 3700 PORTABLE MODULAR
- 3800 BOOKSTORE
- 3900 CHEMISTRY
- 4000 PE COMPLEX



LEGEND

- TELECOM LINE
- - - ABANDONED TELECOM LINE

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TELECOM SYSTEM DIAGRAM

No.	REVISION	DATE	BY

CAMPUS UTILITY SURVEY

DATE: 12/02/21
SCALE: 1"=300'
DRAWN BY: GL
APPROVED BY: MAK
SANDS DRAWING No.: 618201.D

SHEET
TD
OF 85 SHEETS

