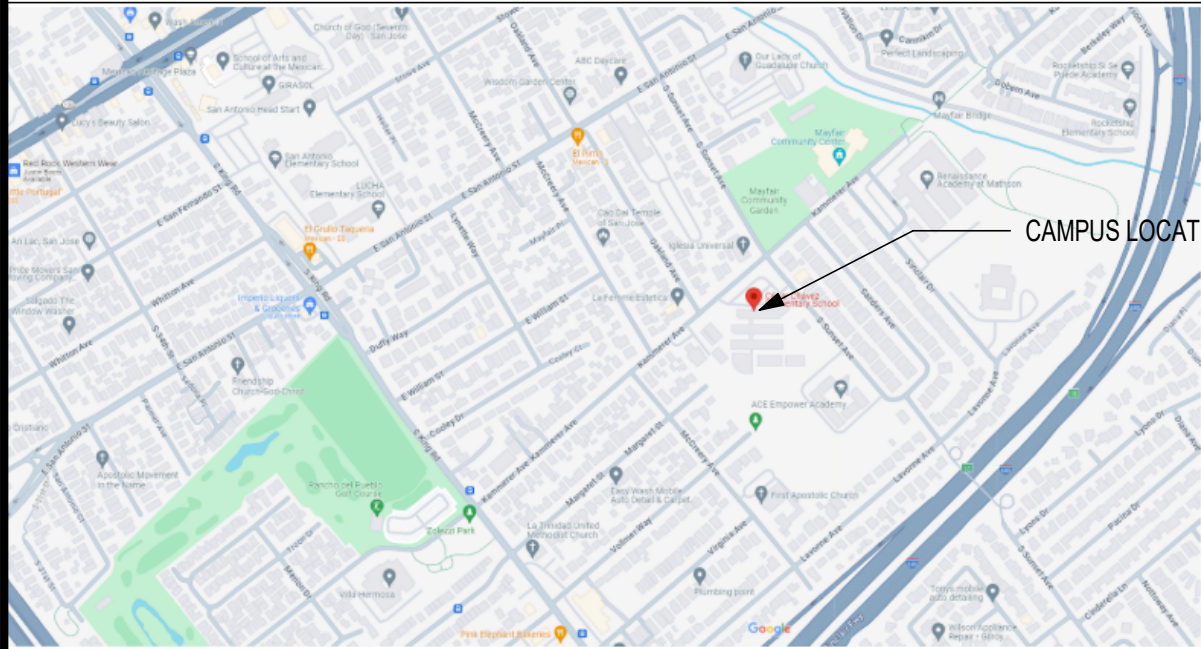


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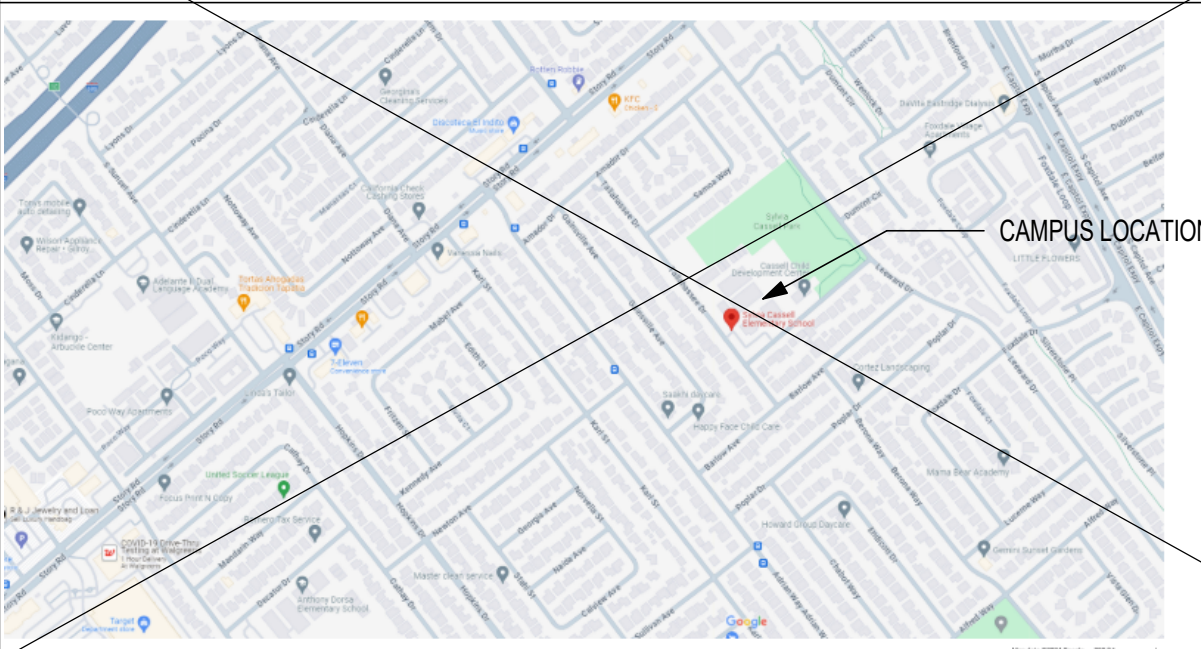
ALUM ROCK UNION SCHOOL DISTRICT
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
SEWER REPLACEMENT

REVISED BID SET
APRIL 26TH, 2024

VICINITY MAP - CESAR CHAVEZ ES



VICINITY MAP - CASSELL ES



PROJECT DIRECTORY

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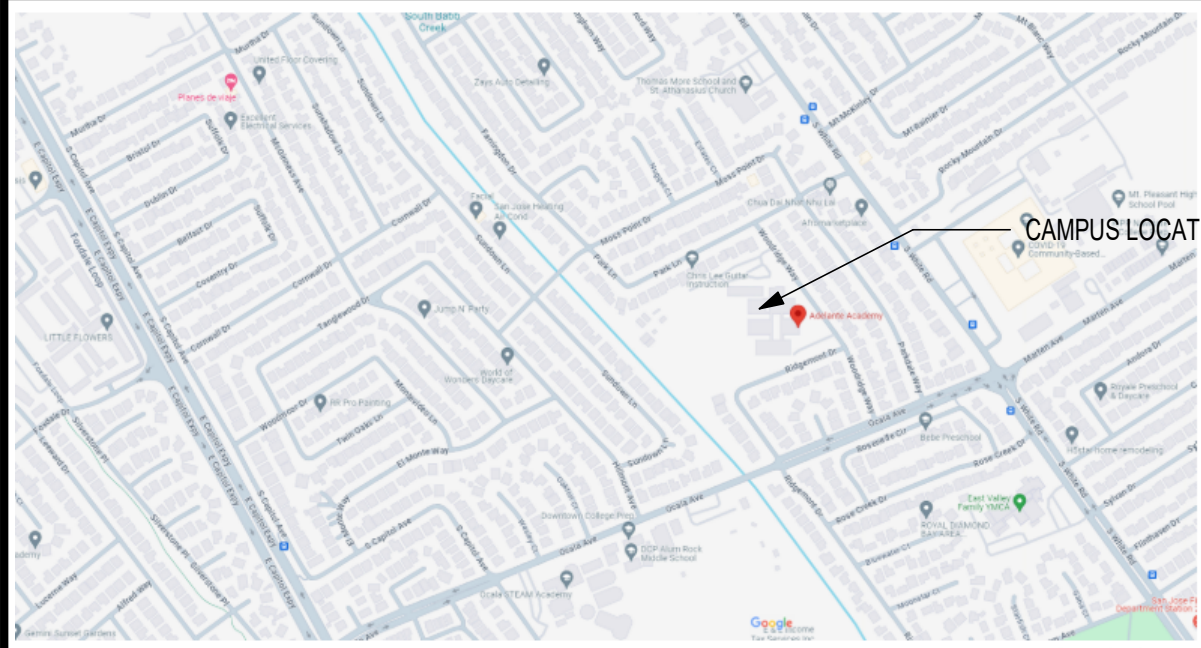
DRAWING INDEX

GENERAL
G0.01 PROJECT DIRECTORY, SCOPE OF WORK & DRAWING INDEX
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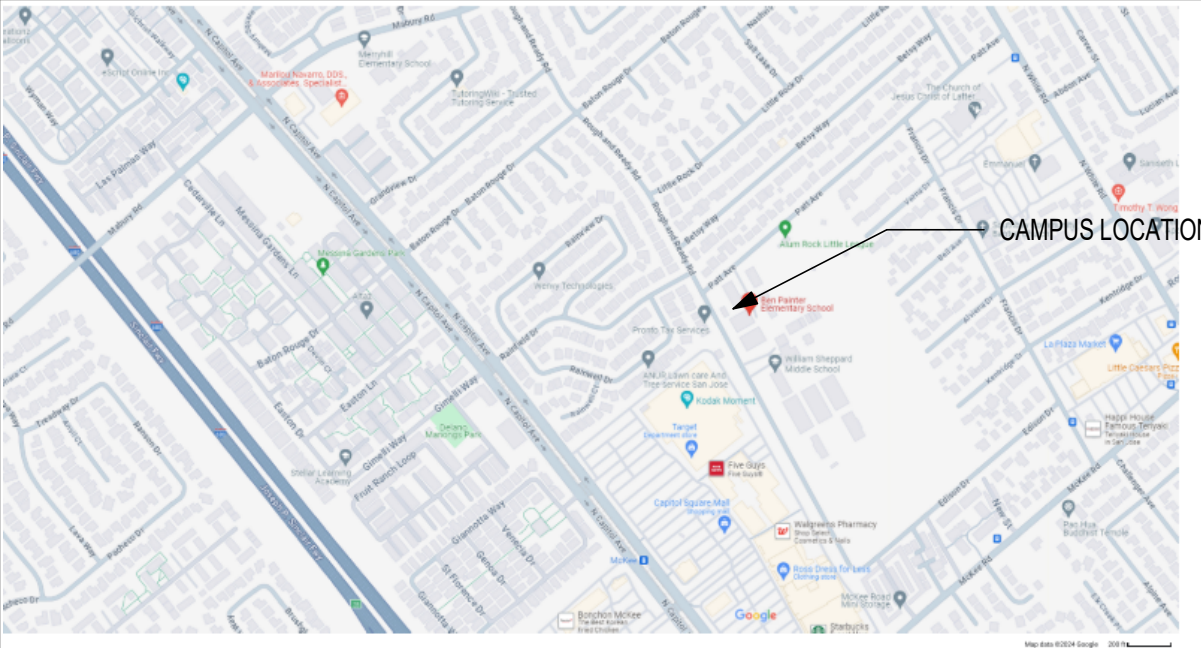
ARCHITECTURAL
A1.00 CESAR CHAVEZ ES - SITE PLAN
A1.01 CASSELL ES - SITE PLAN
A1.02 ADELANTE 1 ACADEMY - SITE PLAN
A1.03 PAINTER ES - SITE PLAN
A1.04 OCALA STEAM ACADEMY
A1.05 CURETON ELEMENTARY SCHOOL
A1.06 ALUM ROCK USD DISTRICT OFFICE
A2.00 ENLARGED DISTRICT OFFICE PLAN
A2.01 ENLARGED CESAR CHAVEZ ES PLAN
ARCHITECTURAL: 9 7

PLUMBING
P0.1 PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS, GENERAL NOTES, SCHEDULE
P1.1 PLUMBING SITE PLAN - ALUM ROCK USD OFFICE
P1.2 PLUMBING SITE PLAN - PAINTER ELEMENTARY SCHOOL
P1.3 PLUMBING SITE PLAN - CURETON ELEMENTARY SCHOOL - DEMO WORK
P1.4 PLUMBING SITE PLAN - ADELANTE 1 ACADEMY - DEMO WORK
P1.5 PLUMBING SITE PLAN - OCALA STEAM ACADEMY - DEMO WORK
P1.6 PLUMBING SITE PLAN - CASSELL ELEMENTARY SCHOOL - DEMO WORK
P1.7 PLUMBING SITE PLAN - CESAR CHAVEZ ELEMENTARY SCHOOL - DEMO WORK
P2.1 PLUMBING ENLARGED PLAN - DISTRICT OFFICE - NEW WORK
P2.2 PLUMBING SITE PLAN - PAINTER ELEMENTARY SCHOOL - NEW WORK
P2.3 PLUMBING SITE PLAN - CURETON ELEMENTARY SCHOOL - NEW WORK
P2.4 PLUMBING SITE PLAN - ADELANTE 1 ACADEMY - NEW WORK
P2.5 PLUMBING SITE PLAN - OCALA STEAM ACADEMY - NEW WORK
P2.6 PLUMBING SITE PLAN - CASSELL ELEMENTARY SCHOOL - NEW WORK
P2.7 PLUMBING SITE PLAN - CESAR CHAVEZ ELEMENTARY SCHOOL - NEW WORK
P3.0 PLUMBING DETAILS
PLUMBING: 16 12

VICINITY MAP - ADELANTE 1 ACADEMY



VICINITY MAP - PAINTER ES



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C: 415-794-5600

ELECTRICAL:
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mehrdadr@asincs.com
T: 415-398-0400
D: 925-937-6700 ext. 1002

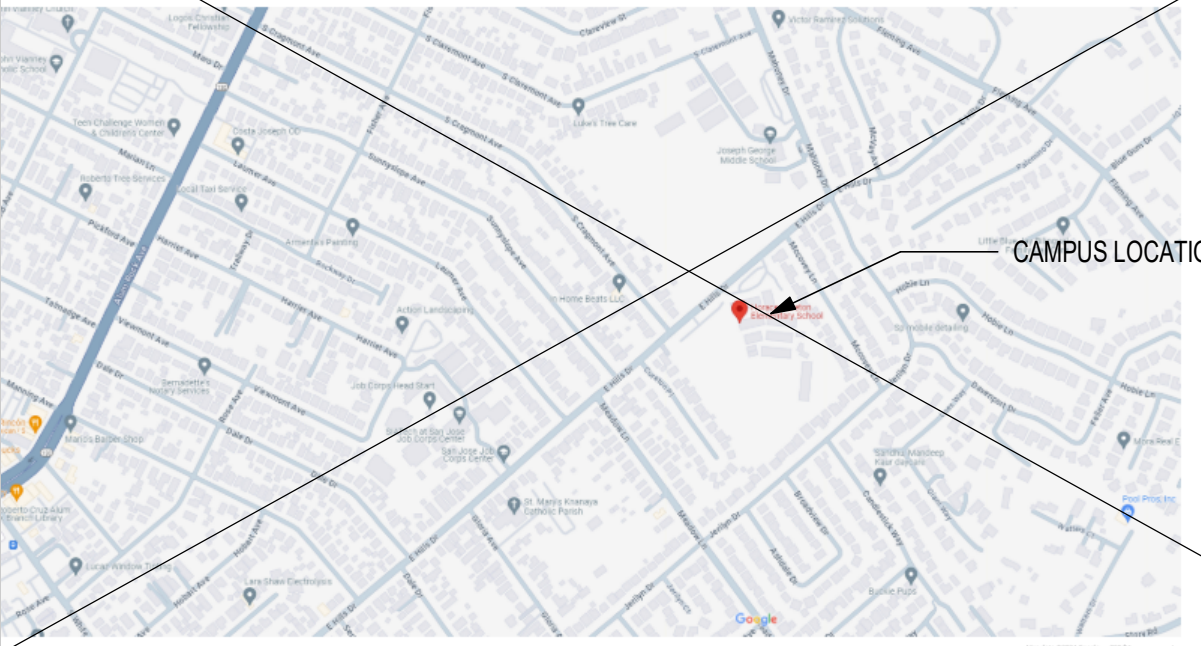
SCOPE OF WORK (NOT INTENDING TO BE COMPREHENSIVE NOR INCLUSIVE)

- SEWER LINE REPLACEMENT AND ASSOCIATED SITE/FLOORING WORK AT 6 CAMPUSES
 - TREE REMOVAL AND REPLACEMENT AT PAINTER ELEMENTARY AND CURETON ELEMENTARY
 - ADDITION OF SINK WITH HOT WATER IN EXISTING CABINETRY IN ADMINISTRATION OFFICE AT THE MAIN DISTRICT OFFICE SITE
- ELECTRICAL: 5
Grand total: 31 25

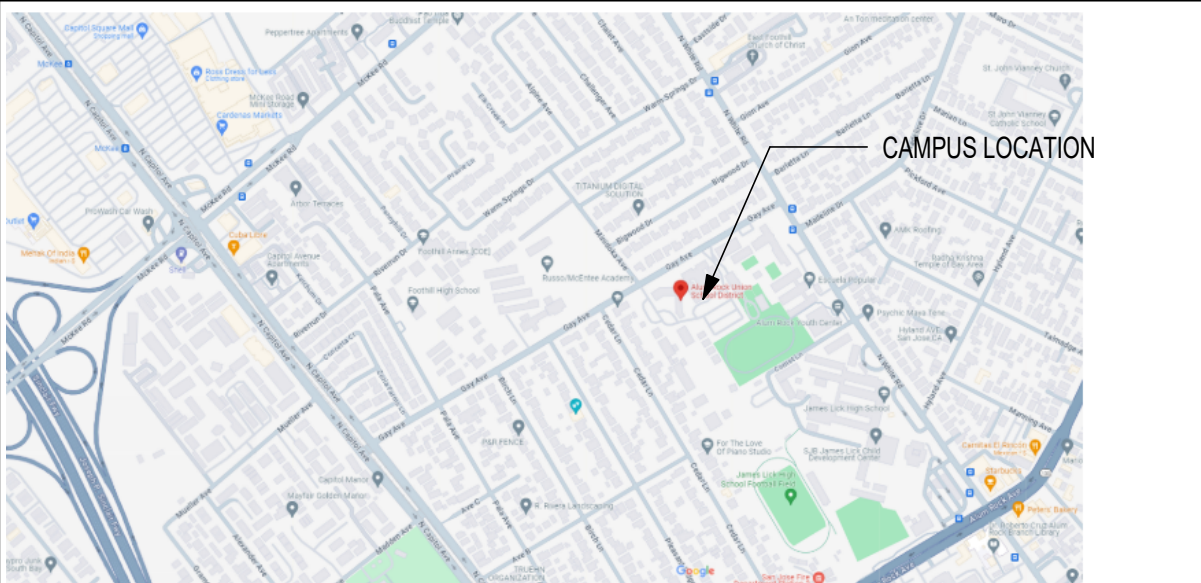
VICINITY MAP - OCALA STEAM ACADEMY



VICINITY MAP - CURETON ES

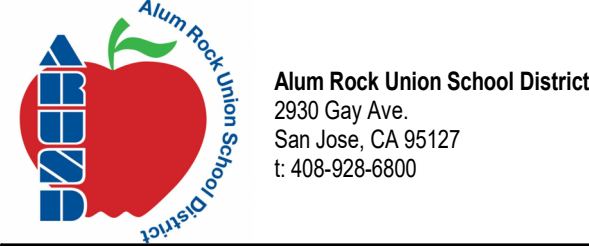


VICINITY MAP - ALUM ROCK USD ADMIN OFFICE



AGENCY STAMP

DSA APPLICATION NO: N/A



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STAMP



CONSULTANT

PROJECT NAME

SEWER REPLACEMENT

FACILITY INFO

ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

DATE	NO.	REVISIONS

DRAFTER: XX

PM: XX

REVIEWER: XX

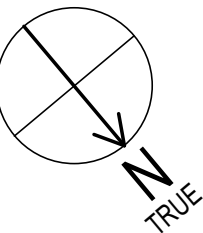
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SHEET TITLE

PROJECT DIRECTORY,
SCOPE OF WORK &
DRAWING INDEX

SHEET NUMBER

G0.01



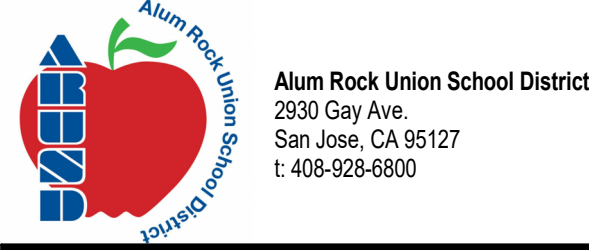
1"	50'-0"
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SHEET NOTES

1. SEE PLUMBING/ELECTRICAL DRAWINGS FOR EXTENT OF UTILITY WORK
2. OTHER UTILITY LINES MAY BE LOCATED IN TRENCH LOCATIONS.
CONTRACTOR TO USE DISCRETION WHEN DIGGING. REPAIR OF EXISTING
UTILITY LINES REQUIRED WHEN DAMAGED
3. RESTORE EXISTING FINISHES AFTER TRENCHING FOR PLUMBING LINES,
WITH 95% COMPACTION
4. COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING
HEAVY CONSTRUCTION WORK

AGENCY STAMP

DSA APPLICATION NO: N/A



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STAMP



CONSULTANT

PROJECT NAME

SEWER REPLACEMENT

FACILITY INFO

ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
CESAR CHAVEZ ES - 2000 KAMMERER AVE., SAN JOSE

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

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DRAFTER: Autho

PM: XX

REVIEWER: XX

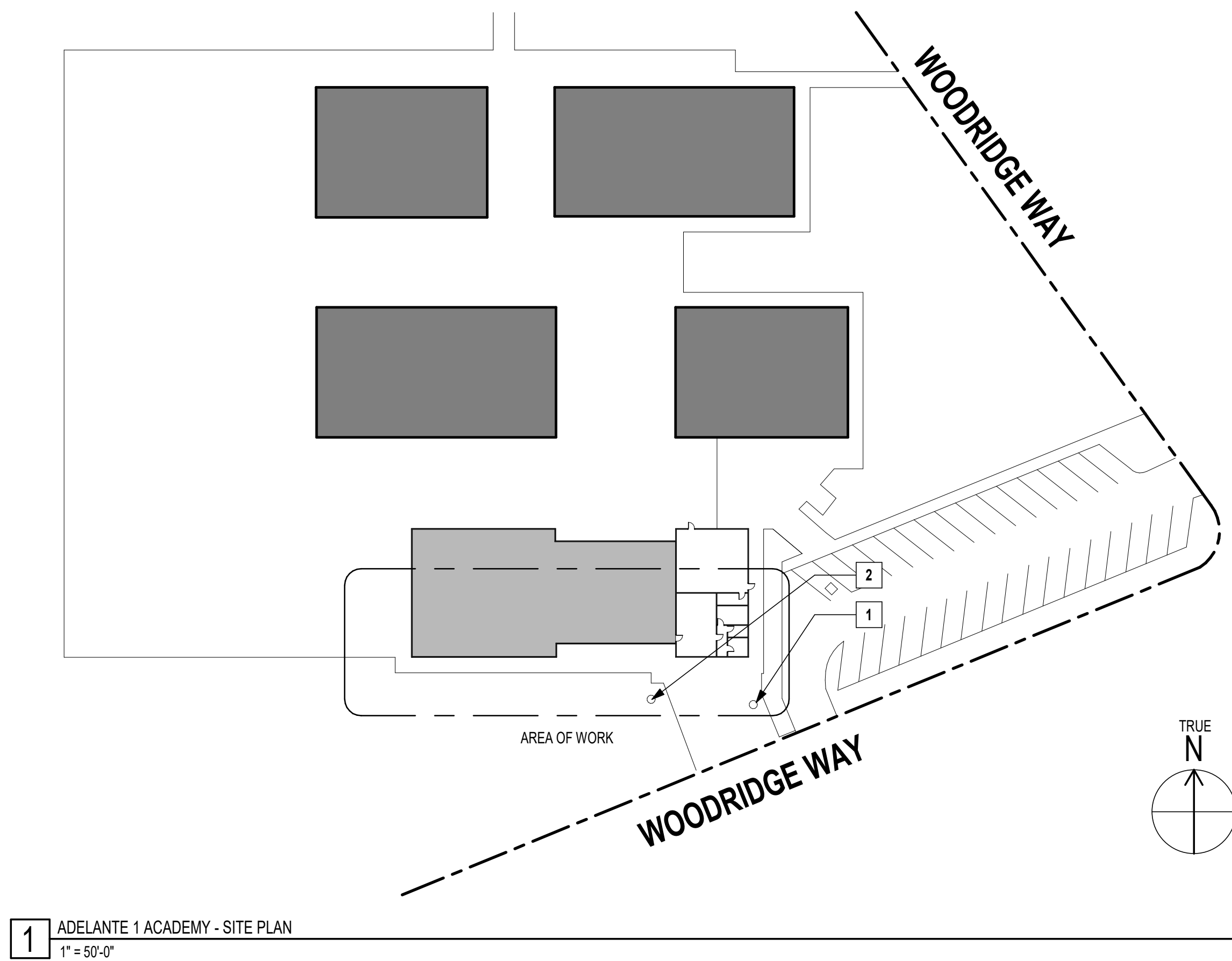
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SHEET TITLE

CESAR CHAVEZ ES - SITE PLAN

SHEET NUMBER

A1.00



SHEET NOTES

1. SEE PLUMBING/ELECTRICAL DRAWINGS FOR EXTENT OF UTILITY WORK
2. OTHER UTILITY LINES MAY BE LOCATED IN TRENCH LOCATIONS.
CONTRACTOR TO USE DISCRETION WHEN DIGGING. REPAIR OF EXISTING
UTILITY LINES REQUIRED WHEN DAMAGED
3. RESTORE EXISTING FINISHES AFTER TRENCHING FOR PLUMBING LINES,
WITH 95% COMPACTION
4. COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING
HEAVY CONSTRUCTION WORK

PLAN NOTES

- 1 EXISTING TREE, PRESERVE AND PROTECT. REMOVE ROOTS AS NEEDED FOR UTILITY WORK WITH AN ARBORIST TO OBSERVE TREE CONDITION
- 2 DEMOLISH EXISTING TREE, REMOVING ALL ROOTS

AGENCY STAMP



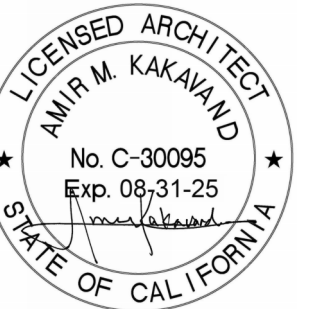
926 Natoma Street, Suite 200, San Francisco, CA 94103
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STAMP



CONSULTANT

PROJECT NAME

SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
ADELANTE 1 ACADEMY - 2999 RIDGEMONT DR., SAN JOSE

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: Author

REVIEWER: XX

PM: XX

DSK JOB NO: XXXXX

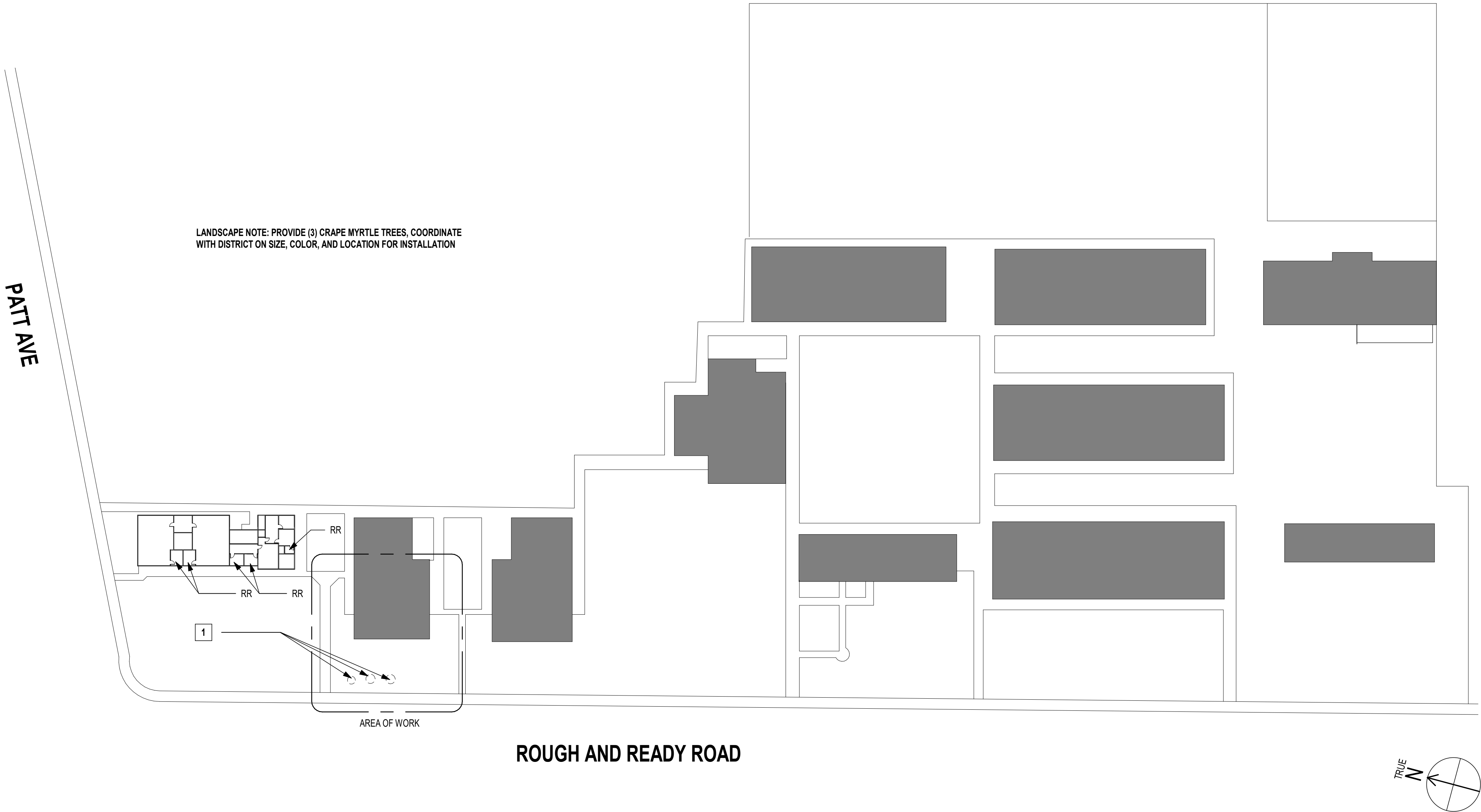
SHEET TITLE

ADELANTE 1 ACADEMY -
SITE PLAN

SHEET NUMBER

A1.02

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LANDSCAPE NOTE: PROVIDE (3) GRAPE MYRTLE TREES, COORDINATE WITH DISTRICT ON SIZE, COLOR, AND LOCATION FOR INSTALLATION

SHEET NOTES

- SEE PLUMBING/ELECTRICAL DRAWINGS FOR EXTENT OF UTILITY WORK
- OTHER UTILITY LINES MAY BE LOCATED IN TRENCH LOCATIONS. CONTRACTOR TO USE DISCRETION WHEN DIGGING. REPAIR OF EXISTING UTILITY LINES REQUIRED WHEN DAMAGED
- RESTORE EXISTING FINISHES AFTER TRENCHING FOR PLUMBING LINES, WITH 95% COMPACTION
- COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING HEAVY CONSTRUCTION WORK

PLAN NOTES

- 1 REMOVE EXISTING TREE AND ROOTS

1 PAINTER ES - SITE PLAN
1" = 50'-0"

AGENCY STAMP

DSA APPLICATION NO: N/A



Alum Rock Union School District
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STAMP



CONSULTANT

PROJECT NAME
SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
PAINTER ES - 500 ROUGH AND READY RD., SAN JOSE

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD		
DATE	NO.	REVISIONS

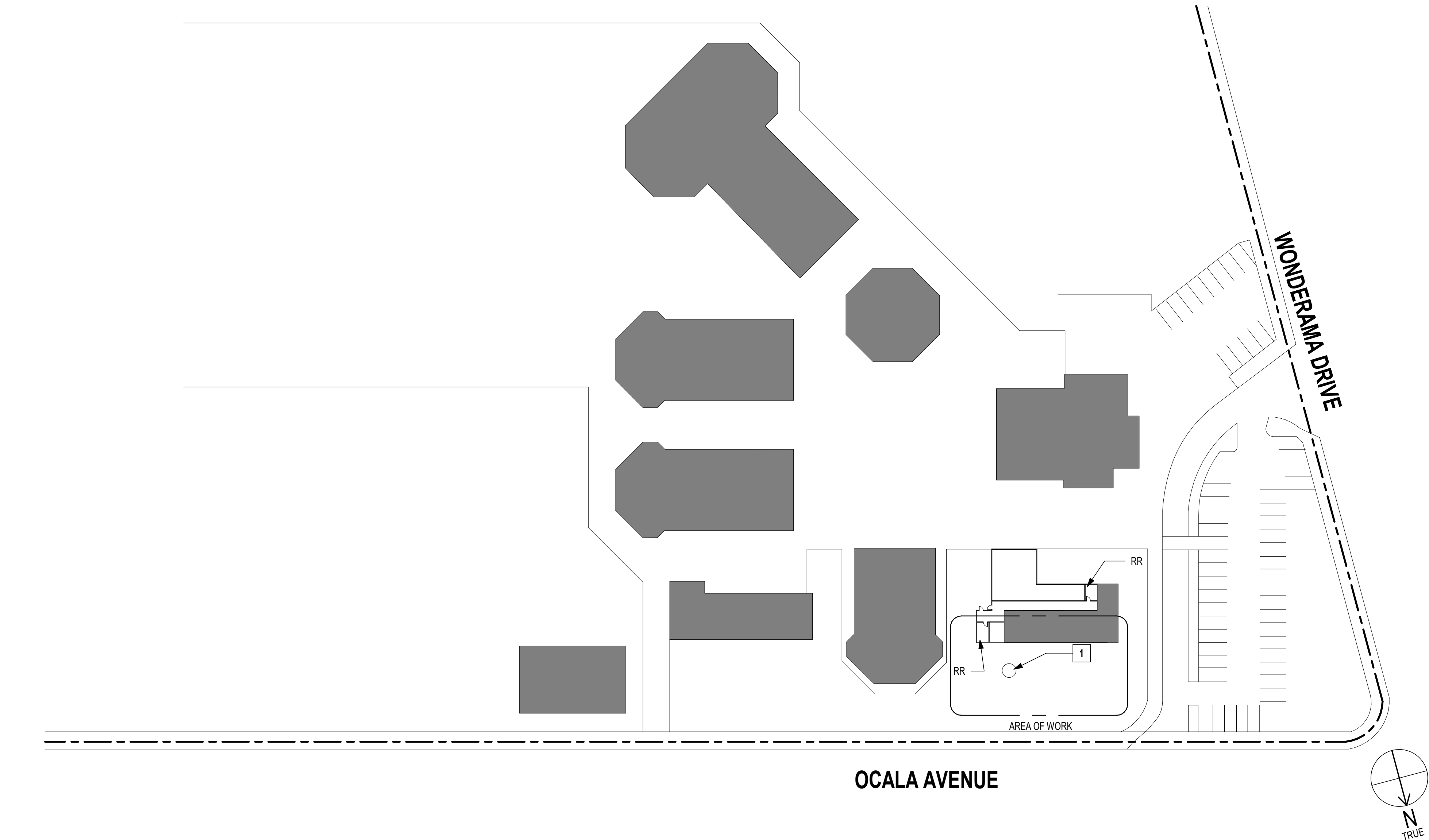
DRAFTER: Author REVIEWER: XX
PM: XX DSK JOB NO: XXXXX

SHEET TITLE
PAINTER ES - SITE PLAN

SHEET NUMBER

A1.03

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1 Ocala Steam Academy - SITE PLAN
1" = 50'-0"

SHEET NOTES

- SEE PLUMBING/ELECTRICAL DRAWINGS FOR EXTENT OF UTILITY WORK
- OTHER UTILITY LINES MAY BE LOCATED IN TRENCH LOCATIONS. CONTRACTOR TO USE DISCRETION WHEN DIGGING. REPAIR OF EXISTING UTILITY LINES REQUIRED WHEN DAMAGED
- RESTORE EXISTING FINISHES AFTER TRENCHING FOR PLUMBING LINES, WITH 95% COMPACTION
- COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING HEAVY CONSTRUCTION WORK

PLAN NOTES

- 1
- EXISTING TREE, PRESERVE AND PROTECT. REMOVE ROOTS AS NEEDED FOR UTILITY WORK WITH AN ARBORIST TO OBSERVE TREE CONDITION

AGENCY STAMP

DSA APPLICATION NO: N/A



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t: 805.541.4864 / c: 805.459.0806

STAMP



CONSULTANT

PROJECT NAME
SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
OCALA STEAM ACADEMY - 2800 OCALA AVE., SAN JOSE

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD		
DATE	NO.	REVISIONS

DRAFTER: Author

REVIEWER: XX

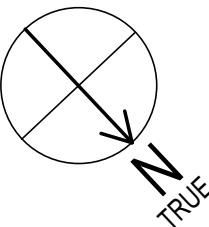
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DSK JOB NO: XXXXX

SHEET TITLE
OCALA STEAM ACADEMY

SHEET NUMBER

A1.04



1

SHEET NOTES

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2. OTHER UTILITY LINES MAY BE LOCATED IN TRENCH LOCATIONS.
CONTRACTOR TO USE DISCRETION WHEN DIGGING. REPAIR OF EXISTING
UTILITY LINES REQUIRED WHEN DAMAGED
3. RESTORE EXISTING FINISHES AFTER TRENCHING FOR PLUMBING LINES,
WITH 95% COMPACTION
4. COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING
HEAVY CONSTRUCTION WORK

AGENCY STAMP

DSA APPLICATION NO: N/A



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STAMP



CONSULTANT

PROJECT NAME

SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
DISTRICT OFFICE - 2930 GAY AVE., SAN JOSE

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

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PM: XX

REVIEWER: XX
DSK JOB NO: XXXXX

SHEET TITLE

ALUM ROCK USD
DISTRICT OFFICE

SHEET NUMBER

A1.06

1. SEE PLUMBING/ELECTRICAL DRAWINGS FOR EXTENT OF UTILITY WORK
2. PRESERVE AND PROTECT EXISTING FINISHES TO REMAIN
3. COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING HEAVY CONSTRUCTION WORK

DSA APPLICATION NO: N/A



LICENSED ARCHITECT
 AMIR M. KAKAVAND
 No. C-30095
 Exp. 08-31-25
 STATE OF CALIFORNIA

PROJECT NAME

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES
DISTRICT OFFICE - 2930 GAY AVE., SAN JOSE



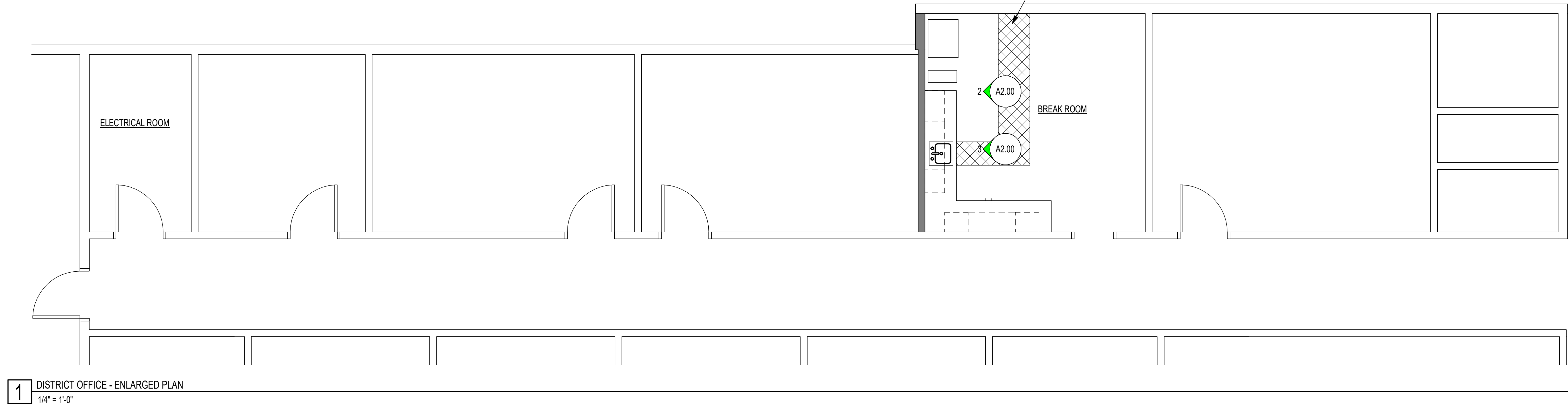
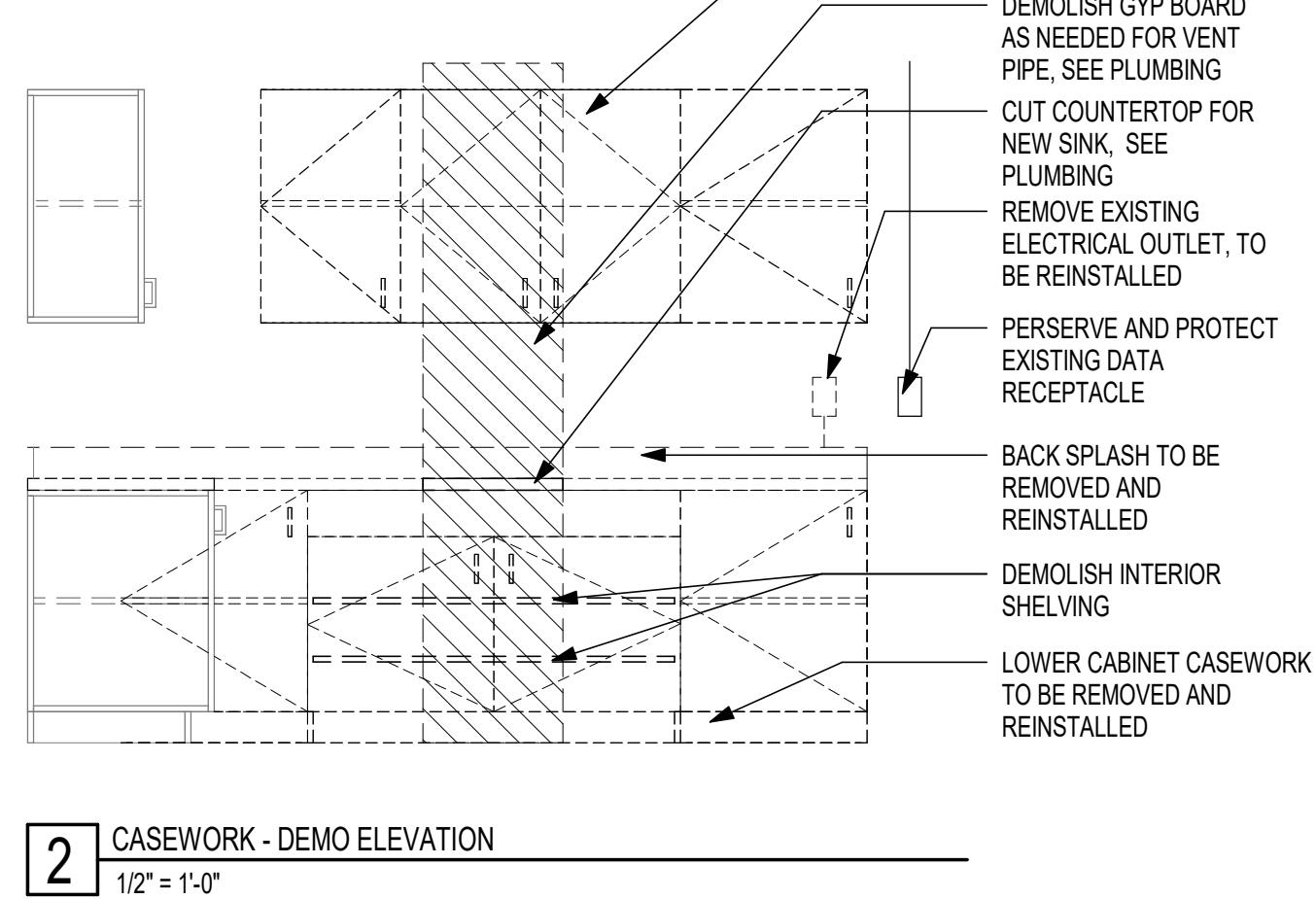
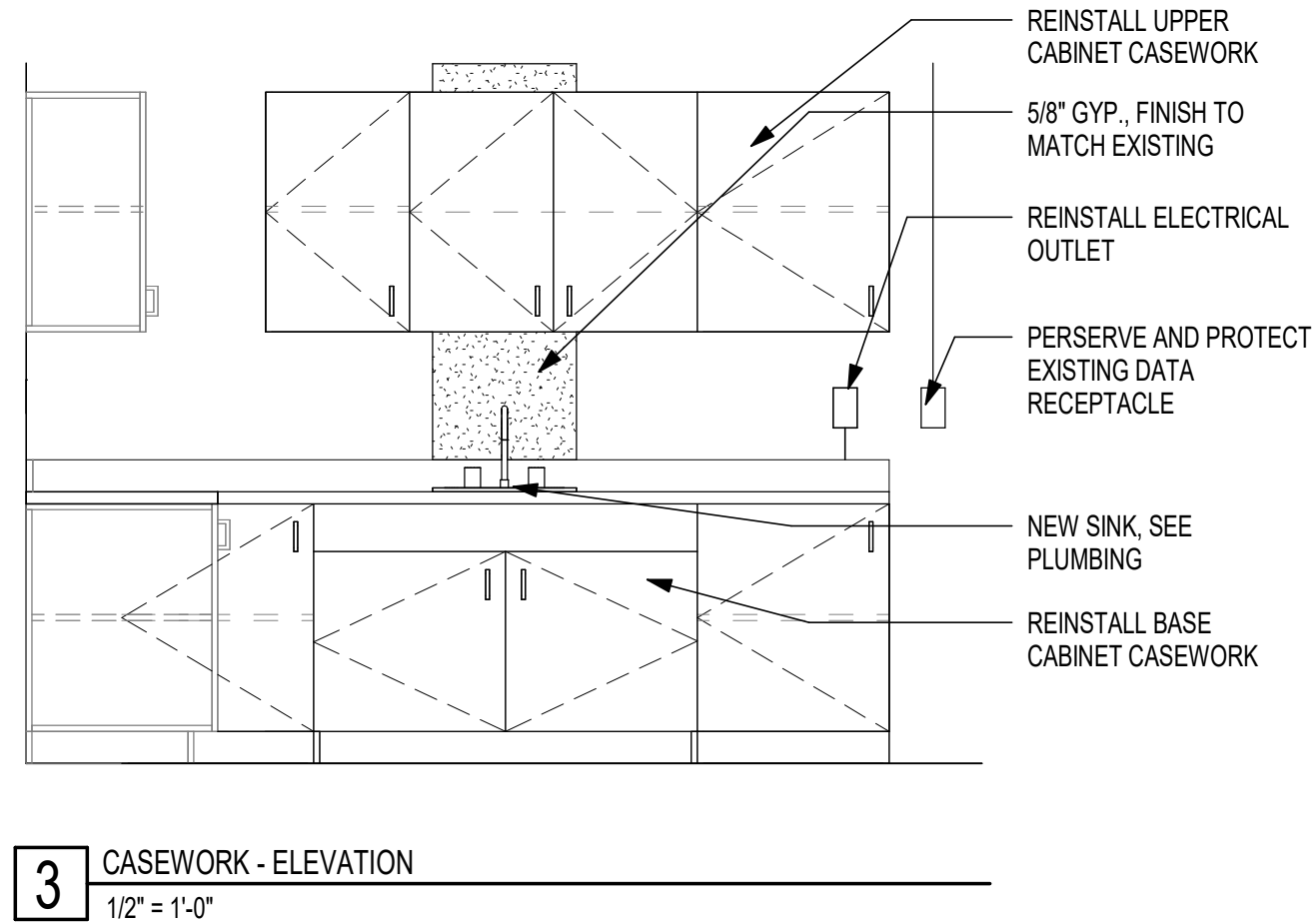
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REVIEWER: XX
DSK JOB NO: XXXXX

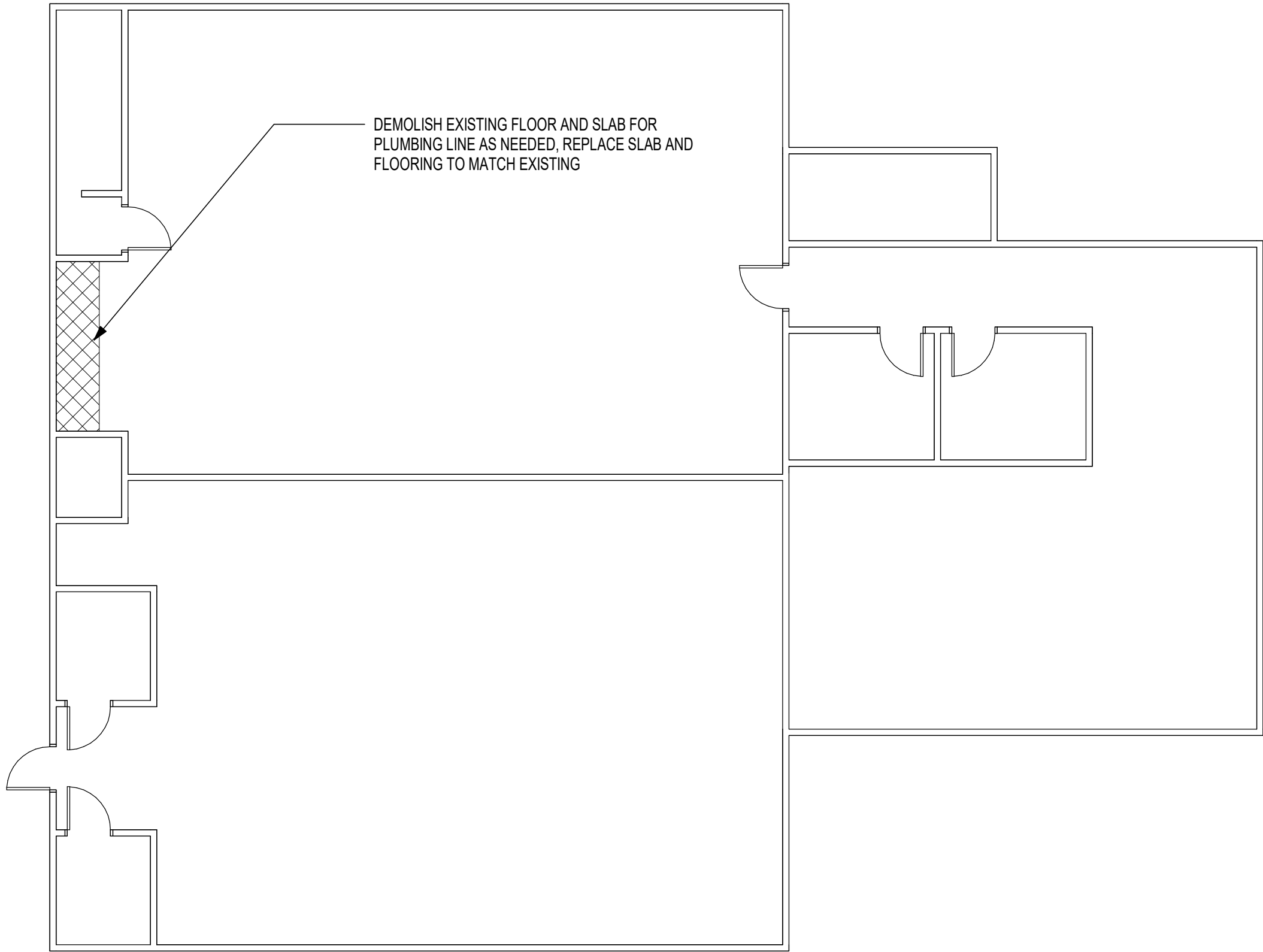
ENLARGED DISTRICT OFFICE PLAN

A2.00

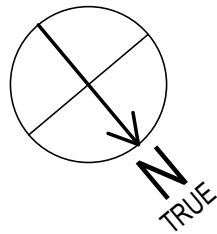


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1 CESAR CHAVEZ ES - FLOOR PLAN
1/8" = 1'-0"



SHEET NOTES

- 1. SEE PLUMBING/ELECTRICAL DRAWINGS FOR EXTENT OF UTILITY WORK
- 2. PRESERVE AND PROTECT EXISTING FINISHES TO REMAIN
- 3. COORDINATE WITH SITE WHEN SHUTTING OFF UTILITIES AND STARTING HEAVY CONSTRUCTION WORK

AGENCY STAMP

DSA APPLICATION NO: N/A



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t: 408-928-6800



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t: 925.484.5245 / f: 925.484.5206

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t: 805.541.4864 / c: 805.459.0806

STAMP



CONSULTANT

PROJECT NAME
SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD		
DATE	NO.	REVISIONS

DRAFTER: Author REVIEWER: XX
PM: XX DSK JOB NO: XXXXX

SHEET TITLE
ENLARGED CESAR CHAVEZ ES PLAN

SHEET NUMBER

A2.01

LEGEND		ABBREVIATIONS	
	SOIL OR WASTE PIPING BELOW FLOOR SLAB	AFF	ABOVE FINISHED FLOOR
	SOIL WASTE PIPING ABOVE FLOOR	AP	ACCESS PANEL
	CONDENSATE DRAINAGE PIPING	ARCH	ARCHITECTURAL
	SANITARY VENT PIPING	BF	BELOW FLOOR
	DOMESTIC COLD WATER PIPING	BFF	BELOW FINISH FLOOR
	DOMESTIC HOT WATER PIPING	BG	BELOW GRADE
	DOMESTIC HOT WATER RETURN	BV	BALANCING VALVE
	WALL CLEANOUT	CD	CONDENSATE DRAIN
	FLOOR CLEANOUT	CFF	PIPEING CAPPED FOR FUTURE CONNECTION
	SHEET NOTE DESIGNATION	CW	DOMESTIC COLD WATER PIPING
	GATE VALVE	CLG	CEILING
	PIPE RISE	C.I.	CAST IRON PIPE
	PIPE DROP	C	CLAY PIPE
	PIPE CONNECTION, BOTTOM	CO	CLEANOUT
	PIPE CONNECTION, TOP	DIA	DIAMETER
	UNION	DN	DOWN
	FLOOR DRAIN	(E)	EXISTING
	VENT BELOW FLOOR	FCO	FLOOR CLEANOUT
	EXISTING PIPE ABOVE CEILING	FD	FLOOR DRAIN
	EXISTING PIPE BELOW GRADE	FF	FINISH FLOOR
	EQUIPMENT TAG	FFE	FINISH FLOOR ELEVATION
	POC POINT OF CONNECTION	FT	FEET
	POD POINT OF DISCONNECTION	FS	FLOOR SINK
		FLR	FLOOR
		GAL	GALLON
		GPM	GALLONS PER MINUTE
		GPFL	GALLON PER FLUSH
		G	GRADE
		GR	GAS RANGE
		HB	HOSE BIBB
		HW	DOMESTIC HOT WATER PIPING
		HC	HANDICAP
		IW	INDIRECT WASTE
		I.C.	IN CEILING
		I.E.	INVERT ELEVATION
		LAV	LAVATORY
		LBS	NORMALLY CLOSED
		MAX	MAXIMUM
		MH	MANHOLE
		(N)	NEW
		PD	PRESSURE DRAIN
		PVC	POLYVINYL CHLORIDE
		SK	SINK
		S or W	SOIL OR WASTE PIPING
		SD	STORM DRAIN PIPING
		SQ. FT.	SQUARE FEET
		SA	SHOCK ABSORBER
		SPEC	SPECIFICATION
		TP	TRAP PRIMER VALVE
		TYP	TYPICAL
		UON	UNLESS OTHERWISE NOTED
		UL	UNDERWRITER'S LABORATORY
		VR	VENT RISER
		WC	WATER CLOSET
		WCO	WALL CLEANOUT
		WH	WATER HEATER
		W/	WITH
		W/O	WITHOUT
		WT	WEIGHT

GENERAL SEISMIC NOTES	
SUPPORT AND SEISMIC ANCHORAGE/BRACING OF MEP COMPONENTS AND DISTRIBUTION SYSTEMS ALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEM SHALL BE ANCHORED AND INSTALLED PER THE DETAIL ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, CONTRACTOR SHALL DESIGN AND DETAIL SUPPORTS AND SEISMIC ANCHORAGE/BRACING IN ACCORDANCE TO THE FORCE AND DISPLACEMENT REQUIREMENTS IN 2022 CBC CHAPTER 16 AND ASCE 7-10. CALCULATIONS AND DRAWINGS SHALL BE STAMPED AND SIGNED BY A CALIFORNIA LICENSED CIVIL OR STRUCTURAL ENGINEER AND SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE SEDR AND HCAI PRIOR TO FABRICATION AND INSTALLATION. SUCH DEFERRED DESIGN SUBMITTALS SHALL MAKE USE, AS IS APPLICABLE, OF HCAI PRE-APPROVED BRACING SYSTEMS SUCH AS DPM-0043-13 (MASON INDUSTRIES), DPM-0052-13 (B-Line/TOLCO), OR DPM-0403-13 (ISAT). SEE 2022 CAC SECTION 7-126 FOR ADDITIONAL REQUIREMENTS RELATED TO DEFERRED APPROVAL.	

PLUMBING FIXTURE CONNECTION AND SCHEDULE											
CODE	DESCRIPTION	SPECIFICATIONS	WASTE		TRAP	VENT	CW	HW	GAS	REMARKS	
			DIR.	INDIR.					QTY		CFH
FCO-1	FLOOR CLEANOUT	J.R. SMITH FLOOR CLEANOUT, MODEL 4020	4"	—	—	—	—			—	SEE PLANS
GCO-1	GRADE CLEANOUT	J.R. SMITH GRADE TWO-WAY CLEANOUT, MODEL MATCH FACILITY STANDARDS.	4"	—	—	—	—			—	SEE PLANS

NOTES:

1— COORDINATE WITH THE FACILITY FOR STANDARD MANUFACTURERS AND MODELS.

PIPE MATERIAL SCHEDULE									
NOTE: "OUTSIDE" COLUMN IS TO 5'-0" OUT SIDE BLDG.									
SERVICE	MATERIAL	-	-	-	-	-	-	-	REMARKS
				COPPER TYPE L 95/5 SOLDER	BLACK STEEL SCH 40	COPPER TYPE L SILVER SOLDER	CAST IRON SOIL OR COPPER DWV SILVER SOLDER	PIPE & FITTING BRONZE FITTING B-819 MFR 98 OR CLEAN TO ASTM SOLDER DOUBLE WALL 80 GRADE ASTM B-88; B-280 SILVER SOLDER	
WATER (CW) (HW) (IRR)	INSIDE OUTSIDE			●					7.76 PSI/100FT @ 8 FT/S VEL FOR CW & 5 FT/S FOR HW
WASTE & VENT (W) (V)	INSIDE OUTSIDE					●			GRAVITY @ 2% STANDARD
DRAIN (DR)	INSIDE OUTSIDE			●		●			
				●					

NOTE: SANITARY SEWER PIPE 5'-0" OUTSIDE THE BUILDING, USE ABS WHEN BURIED 3'-0" OR LESS, AND PVC C-900 FOR DEEPER PIPE.

PLUMBING DRAWING INDEX			
SHEET NO.	DESCRIPTIONS	SCALE	REMARKS
P0.1	PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS & GENERAL NOTES	NONE	
P1.1	PLUMBING SITE PLAN - ALUM ROCK USD OFFICE - DEMO WORK	1"=50'-0"	
P1.2	PLUMBING SITE PLAN - PAINTER ELEMENTARY SCHOOL - DEMO WORK	1"=50'-0"	
P1.3	PLUMBING SITE PLAN - CURETON ELEMENTARY SCHOOL - DEMO WORK	1"=50'-0"	
P1.4	PLUMBING SITE PLAN - ADELANTE 1 ACADEMY - DEMO WORK	1"=50'-0"	
P1.5	PLUMBING SITE PLAN - OCALA STEAM ACADEMY - DEMO WORK	1"=50'-0"	
P1.6	PLUMBING SITE PLAN - CASSELL ELEMENTARY SCHOOL - DEMO WORK	1"=50'-0"	
P1.7	PLUMBING SITE PLAN - CESAR CHAVEZ ELEMENTARY SCHOOL - DEMO WORK	1"=50'-0"	
P2.1	PLUMBING ENLARGED PLAN - ALUM ROCK USD OFFICE - NEW WORK	1/4"=1'-0"	
P2.2	PLUMBING SITE PLAN - PAINTER ELEMENTARY SCHOOL - NEW WORK	1"=50'-0"	
P2.3	PLUMBING SITE PLAN - CURETON ELEMENTARY SCHOOL - NEW WORK	1"=50'-0"	
P2.4	PLUMBING SITE PLAN - ADELANTE 1 ACADEMY - NEW WORK	1"=50'-0"	
P2.5	PLUMBING SITE PLAN - OCALA STEAM ACADEMY - NEW WORK	1"=50'-0"	
P2.6	PLUMBING SITE PLAN - CASSELL ELEMENTARY SCHOOL - NEW WORK	1"=50'-0"	
P2.7	PLUMBING SITE PLAN - CESAR CHAVEZ ELEMENTARY SCHOOL - NEW WORK	1"=50'-0"	
P3.0	PLUMBING DETAILS	NONE	

SCOPE OF WORK

1. REPLACE (E) SS LINE AND REPLACE WITH NEW AS SHOWN ON THE PLAN. USE (E) PATH FOR (N) LINE.
2. REMOVE (E) LINE SS. PROVIDE (N) SS LINE AS SHOWN ON THE PLAN.
3. COORDINATE WITH THE FACILITY FOR ALL WORK NOTED ON THE PLAN.
4. ALL PIPE LENGTHS SHALL BE FIELD MEASURED PRIOR TO ORDERING THE NEW MATERIAL REGARDLESS OF THE SCALE SHOWN ON THE DWGS.

GENERAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA PLUMBING CODE 2022, CALIFORNIA BUILDING CODE, NATIONAL FIRE PROTECTION CODES, BUILDING EDITION DESIGN CRITERIA, AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. COORDINATE PLUMBING SYSTEMS WITH WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
3. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED TO OWNER'S REP.
4. NOT USED.
5. HORIZONTAL PIPING THRU METAL STUDS IS PROHIBITED.
6. WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER.
7. SOIL, WASTE, DRAIN, AND VENT PIPING BELOW AND INSIDE BUILDING, USE NO HUB CAST IRON PIPE WITH 24 GA. STAINLESS STEEL COUPLING AND NEOPRENE GASKETS.
8. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS. INSTALL DIELECTRIC FITTING BETWEEN FERROUS AND NON-FERROUS MATERIAL.
9. COMPLY WITH BUILDING STANDARDS FOR ALL PLUMBING. VERIFY WITH OWNER FOR PLUMBING BUILDING STANDARDS.
10. HORIZONTAL WASTE PIPING SHALL HAVE MINIMUM SLOPE OF (1/4" PER FOOT AND 1/8" PER FOOT FOR STORM DRAIN) UNLESS NOTED OTHERWISE ON THE PLANS. 1/8-" SLOPE FOR SANITARY SEWER ALLOWED FOR 4" AND LARGER SEWER PIPE DUE TO STRUCTURAL CONDITION ONLY AND SUBJECTED TO APPROVAL FROM AHJ.
11. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
12. PIPE PROTECTION: PENETRATION OF RATED ASSEMBLIES SHALL BE FIRE STOPPED.
13. PROVIDE U.L. LISTED FIRE RATED "MOLDABLE PUTTY" AND/OR CAULKING AROUND RECESSED VALVE BOXES IN RATED WALLS OR CEILING, AS REQUIRED BY CODE.
14. ALL CONNECTIONS TO EXISTING SERVICE SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT-DOWN TIME SHALL BE AT TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE EXACT TIME, DATE AND LENGTH OF THE SHUT DOWN SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE TWO WEEKS IN ADVANCE OF THE PROPOSED SHUT DOWN.
15. PLUMBING FIXTURES AND FITTINGS SHALL COMPLY WITH CALGREEN TABLE 5.303.6.
16. EACH PLUMBING FIXTURE THAT CONNECTS TO THE SANITARY SEWER SYSTEM SHALL BE PROPERLY TRAPPED AND VENTED IN ACCORDANCE WITH 2022 CPC. TRAP PRIMER SYSTEM SHALL CONSIST OF A STAINLESS STEEL SERVICE ACCESS PANEL, 12"x12", BRONZE LEAD-FREE BALL VALVE UPSTREAM AND A COPPER X FIP (FEMALE IRON PIPE) UNION DOWN STREAM. BRONZE BALL VALVE SHALL BE MANUFACTURED BY NIBCO OR APPROVED EQUAL.
17. ALL CLEANOUTS SHALL BE ACCESSIBLE FOR REGULAR MAINTENANCE.
18. ALL (F) PLUMBING SYSTEM TO REMAIN SHALL BE CLEAN & FREE OF ANY PLUG OBJECTS.

AGENCY STAMP

DSA APPLICATION NO: N/A

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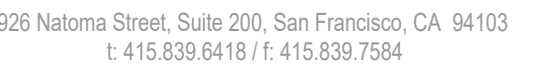
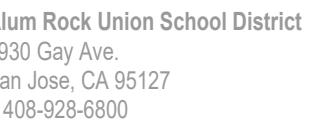


REGISTERED PROFESSIONAL ENGINEER
Shihua Saidin
 No. M33664
 Exp. 06/30/25
 MECHANICAL
 STATE OF CALIFORNIA

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[illegible]

DRAFTER: Author		REVIEWER: XX	
PM: XX		DSK JOB NO: XXXXX	
SHEET TITLE			
PLUMBING SYMBOLS, LEGENDS, ABBREVIATION GENERAL NOTES, & SCHEDULE			
SHEET NUMBER			
P0.1			



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PROJECT NAME

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

DRAFTER: Author
PM: XX

REVIEWER: XX
DSK JOB NO: XXXXX

SHEET TITLE

SHEET NUMBER

GENERAL NOTES

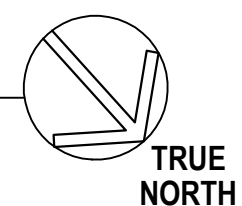
1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.
2. PRIOR TO SUBMISSION OF BID, VISIT SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS, NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK RESULTING FROM LACK OF APPRAISAL OF EXISTING CONDITIONS.
3. CONTRACTOR SHALL FIELD VERIFY EXACT SIZES, LOCATIONS, AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC, PRIOR TO TRENCHING OR INSTALLING ANY NEW WORK. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR FINISHED FLOOR AND GRADING ELEVATIONS.
4. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AND/OR ASPHALT WHERE NECESSARY FOR TRENCHING OF NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL PATCH AND REPAIR SURFACES SMOOTH AND LEVEL TO MATCH ADJACENT SURFACE.
5. FIELD VERIFY (E) CONDITION (PIPE SIZE, VALVE, LOCATION, ETC.) PRIOR TO ANY DEMOLITION OR NEW WORK.
6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.
7. PIPE SIZE AND LOCATIONS ARE BASED ON RECORD DWG AND CAMERA INVESTIGATION DATED 2/1/2024

SHEET NOTES:

- ① SEE ENLARGED PLAN FOR WORK IN THIS AREA.
- ② POINT OF CONNECTION TO (N) 2" SS FROM (N) SK-1.
- ③ SEE P2.1 FOR CONTINUATION.



SCALE: 1"=50'-0"



1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.

- SHEET NOTES:

- PATT AVE



TRUE
NORTH

1

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USA APPLICATION NO: N/A



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SEWER REPLACEMENT

KEY PLAN

[illegible]

SHEET TITLE

SHEET NUMBER

P1.2



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SEWER REPLACEMENT

KEY PLAN

[illegible]

SHEET TITLE

SHEET NUMBER

P1.4

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.

2. PRIOR TO SUBMISSION OF BID, VISIT SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS, NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK RESULTING FROM LACK OF APPRAISAL OF EXISTING CONDITIONS.

3. CONTRACTOR SHALL FIELD VERIFY EXACT SIZES, LOCATIONS, AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC, PRIOR TO TRENCHING OR INSTALLING ANY NEW WORK. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR FINISHED FLOOR AND GRADING ELEVATIONS.

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5. FIELD VERIFY (E) CONDITION (PIPE SIZE, VALVE, LOCATION, ETC.) PRIOR TO ANY DEMOLITION OR NEW WORK.

6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.

7. PIPE SIZE AND LOCATIONS ARE BASED
ON RECORD DWG AND CAMERA
INVESTIGATION DATED 2/1/2024

- 1 REMOVE (E) SS. VERIFY (E) PIPE SLOPE AND FLOOR DIRECTION TOWARD TERMINATION POINT.

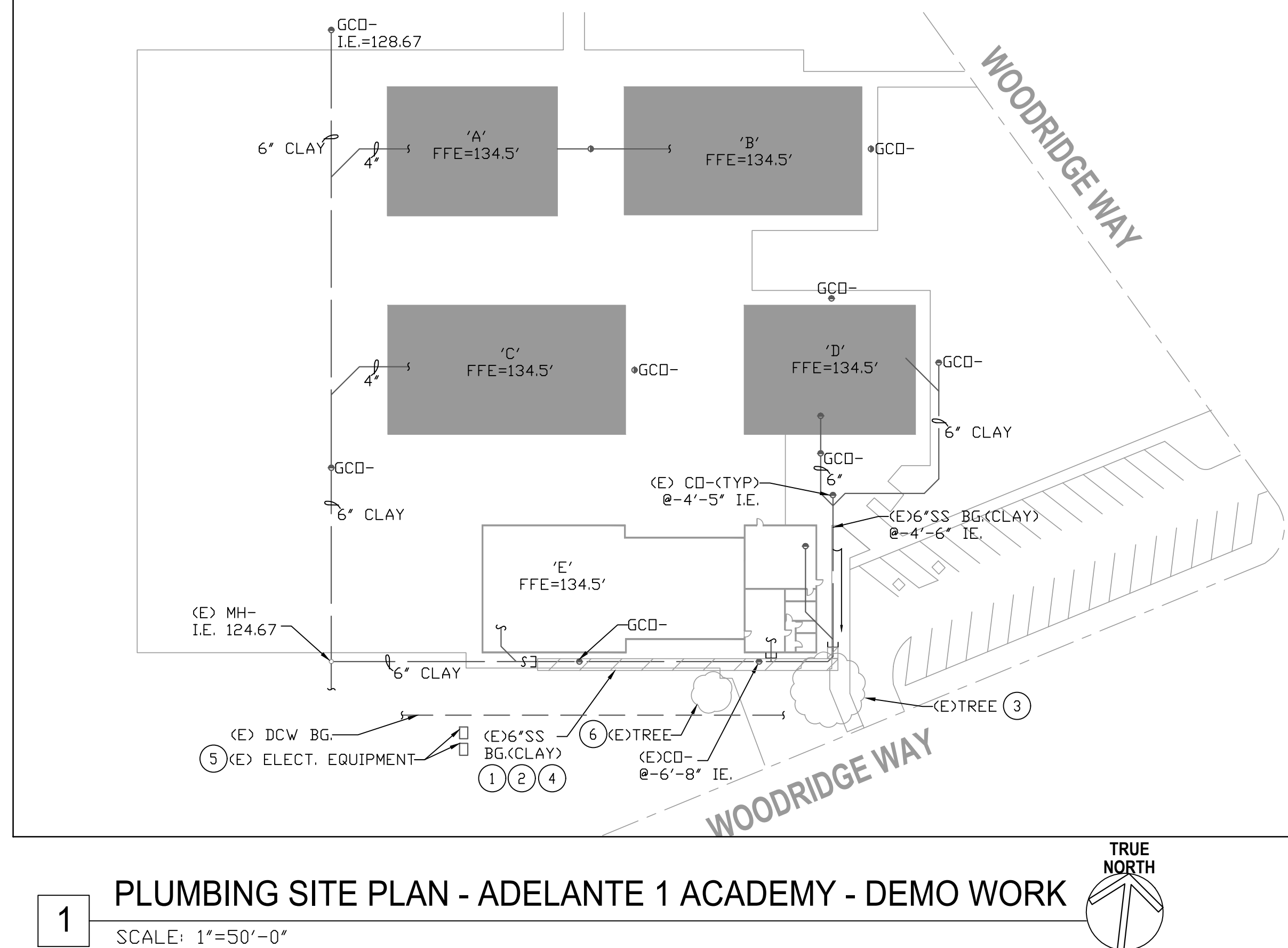
2 USE (E) SS LINE PATH/TRENCHING FOR THE NEW SS LINE. VERIFY IN FIELD THE EXACT ROUTING AND PATH PRIOR TO ANY DEMO OR NEW WORK.

③ (E) TREE TO REMAIN. SEE ARCH. DWGS
FOR TREE LOCATION.

4 THE SS PIPE SLOPE IS INCONSISTENT WITH SAGGING IN THE PIPE PER VIDEO/CAMERA INVESTIGATION.

5) FIELD VERIFY EXISTING UTILITY LINES (IRRIGATION, DCW, ELECT, ETC.) IN AREA OF WORK PRIOR TO ANY DEMO OR NEW WORK. REPAIR AND DAMAGES TO (E) UTILITY LINES DUE TO THIS WORK.

⑥ SEE ARCH. DWGS FOR REMOVING OF (E) TREE AND ASSOCIATED ROOTS WHICH ARE IN CONFLICT WITH SS ROUTING.



PLUMBING SITE PLAN - ADELANTE 1 ACADEMY - DEMO WORK

SCALE: 1"=50'-0"

SS PIPE SLOPE

MINI SLOPE OF WASTE LINE PER RECORD DRAWINGS: INTERIOR: 1/4"/FT EXTERIOR: 0.08"/FT
--



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PROJECT NUMBER: 023-054

SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

PROJECT
NORTH

[illegible]

PLUMBING SITE PLAN - OCALA STEAM ACADEMY DEMO WORK

P1.5

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.

2. PRIOR TO SUBMISSION OF BID, VISIT SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS, NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK RESULTING FROM LACK OF APPRAISAL OF EXISTING CONDITIONS.

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4. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AND/OR ASPHALT WHERE NECESSARY FOR TRENCHING OF NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL PATCH AND REPAIR SURFACES SMOOTH AND LEVEL TO MATCH ADJACENT SURFACE.

5. FIELD VERIFY (E) CONDITION (PIPE SIZE, VALVE, LOCATION, ETC.) PRIOR TO ANY DEMOLITION OR NEW WORK.

6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.

7. PIPE SIZE AND LOCATIONS ARE BASED
ON RECORD DWG AND CAMERA
INVESTIGATION DATED 2/1/2024

- 1 REMOVE (E) SS. VERIFY (E) PIPE SLOPE, AND FLOW DIRECTION TOWARD TERMINATION POINT.

2 USE (E) SS LINE PATH/TRENCHING FOR THE NEW SS LINE. VERIFY IN FIELD THE EXACT ROUTING AND PATH PRIOR TO ANY DEMO OR NEW WORK.

3 (E) TREE TO REMAIN SEE ARCH. DWGS FOR TREE LOCATION.

4 (E) 6"SS PIPE BG. VERIFY (E) SIZE, SLOPE (I.E.), MATERIAL, AND ROUTING PRIOR TO ANY DEMO OR NEW WORK.

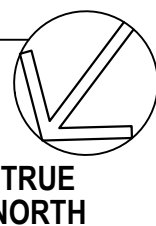
5) SURVEY THE EXISTING UTILITY LINES IN AREA OF WORK. COORDINATE (E) UTILITY LINE WITH NEW WORK AND PROVIDE THE DISTANCES REQUIRED. REPAIR ANY DAMAGE TO (E) UTILITY LINES DUE TO THIS WORK.

6 (E) SS RUNS UNDER THE (E) TREE TO BE CAPPED AND ABANDONED IN PLACE AS SHOWN.

1

PLUMBING SITE PLAN - OCALA STEAM ACADEMY - DEMO WORK

SCALE: 1"=50'-0"





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PROJECT NUMBER: 023-054

SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

PROJECT
NORTH

PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: Author
PM: XX

REVIEWER: X
DSK JOB NO: XXXX

PLUMBING SITE PLAN - CESAR
CHAVEZ ELEMENTARY
SCHOOL - DEMO WORK

P1.7

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.

2. PRIOR TO SUBMISSION OF BID, VISIT SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS, NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK RESULTING FROM LACK OF APPRAISAL OF EXISTING CONDITIONS.

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4. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AND/OR ASPHALT WHERE NECESSARY FOR TRENCHING OF NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL PATCH AND REPAIR SURFACES SMOOTH AND LEVEL TO MATCH ADJACENT SURFACE.

5. FIELD VERIFY (E) CONDITION (PIPE SIZE, VALVE, LOCATION, ETC.) PRIOR TO ANY DEMOLITION OR NEW WORK.

6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE

7. PIPE SIZE AND LOCATIONS ARE BASED
ON RECORD DWG AND CAMERA
INVESTIGATION DATED 2/1/2024

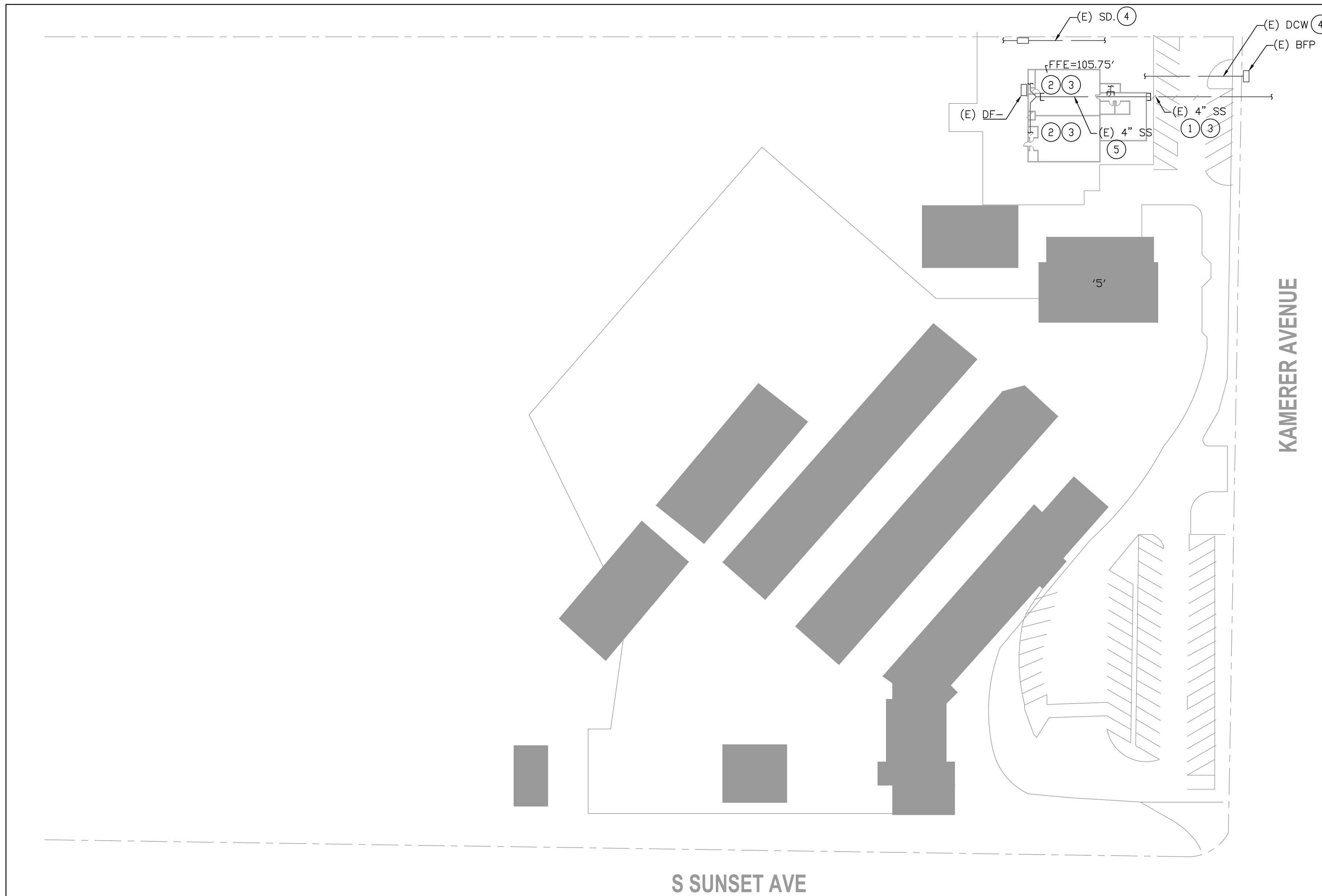
1 (E) 4" SS BG. VERIFY IN FIELD; SIZE, MATERIAL, ROUTING AND SLOPE OF THE (E) LINE.

2) VERIFY (E) SS LINE SERVING THE RESTROOM IN TOW PRE-SCHOOL CLASS ROOM.

③ REMOVE (E) SS LINE.(E)

4 SURVEY THE EXISTING UTILITY LINES IN AREA OF WORK. COORDINATE (E) UTILITY LINE WITH NEW WORK AND PROVIDE THE DISTANCES REQUIRED. REPAIR ANY DAMAGE TO (E) UTILITY LINES DUE TO THIS WORK.

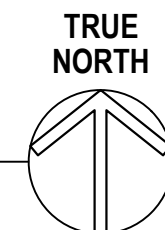
5 (E) SS RUNS UNDER THE BUILDING TO BE
CAPPED AND ABANDONED IN PLACE AS
SHOWN.

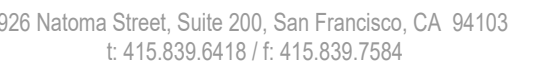
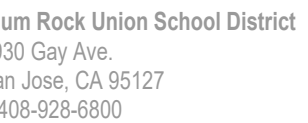


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PLUMBING SITE PLAN - CESAR CHAVEZ ELEMENTARY SCHOOL - DEMO WORK

SCALE: 1"=50'-0"





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2890 N. MAIN ST. SUITE 304
WALNUT CREEK, CA 94597
TEL: 925-937-6700
www.asincs.com
PROJECT NUMBER: 023-054

PROJECT NAME

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: Author
PM: XX

REVIEWER: XX
DSK JOB NO: XXXXX

SHEET TITLE

PLUMBING ENLARGED PLAN
DISTRICT OFFICE - NEW YORK

SHEET NUMBER

P2.1

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.

2. PRIOR TO SUBMISSION OF BID, VISIT SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS, NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK RESULTING FROM LACK OF APPRAISAL OF EXISTING CONDITIONS.

3. CONTRACTOR SHALL FIELD VERIFY EXACT SIZES, LOCATIONS, AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC, PRIOR TO TRENCHING OR INSTALLING ANY NEW WORK. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR FINISHED FLOOR AND GRADING ELEVATIONS.

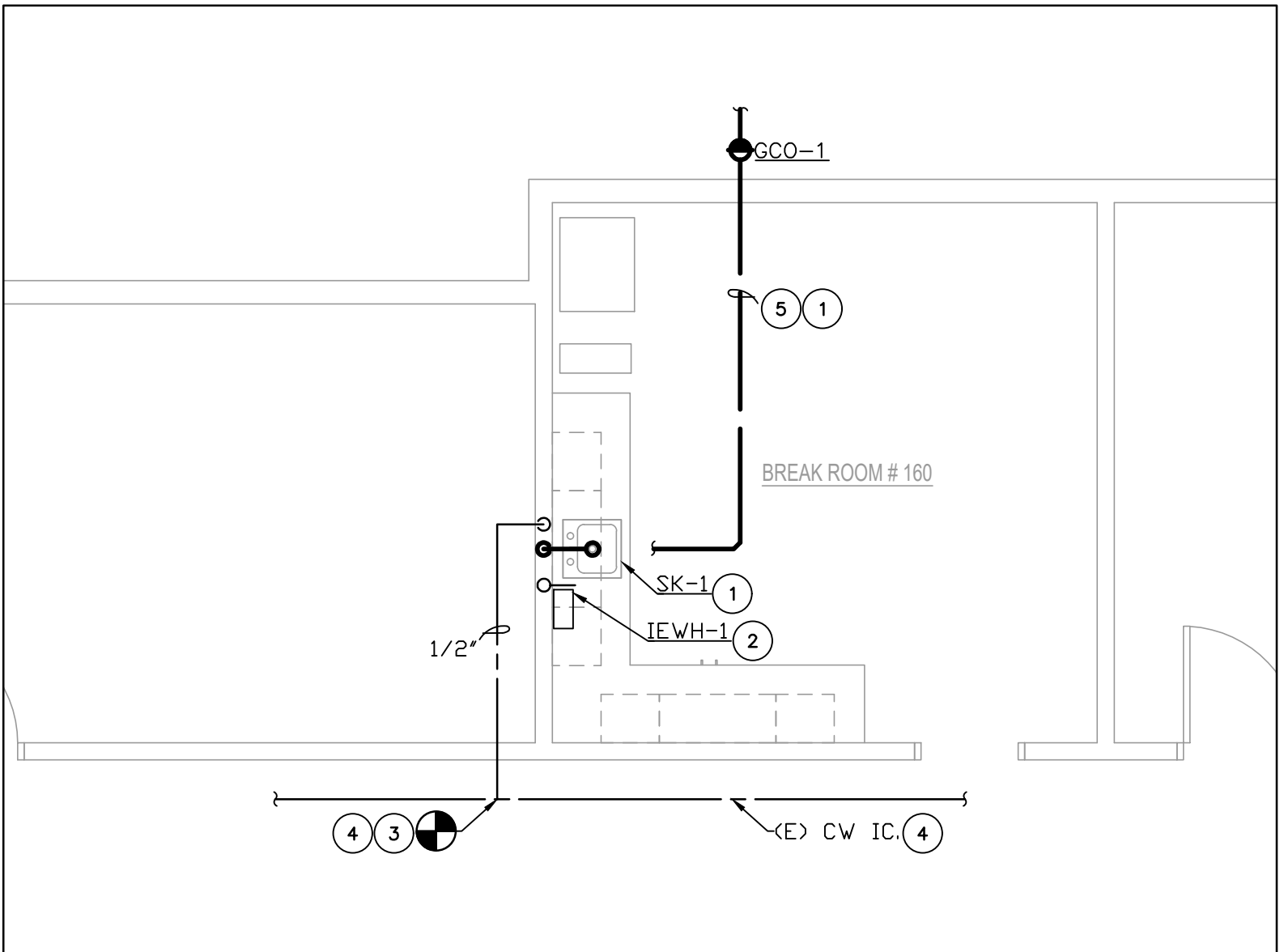
4. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AND/OR ASPHALT WHERE NECESSARY FOR TRENCHING OF NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL PATCH AND REPAIR SURFACES SMOOTH AND LEVEL TO MATCH ADJACENT SURFACE.

5. FIELD VERIFY (E) CONDITION (PIPE SIZE, VALVE, LOCATION, ETC.) PRIOR TO ANY DEMOLITION OR NEW WORK.

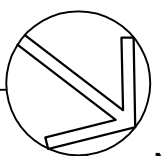
6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.

7. PIPE SIZE AND LOCATIONS ARE BASED
ON RECORD DWG AND CAMERA
INVESTIGATION DATED 2/1/2024

- 1 (N) BREAK RM SINK AND ASSOCIATED FAUCET. SEE SCHEDULE FOR TYPE AND SIZE.
- 2 (N) INSTANT. HOT WATER HEATER UNDER SINK IN CABINET SEE SCHEDULE FOR TYPE AND SIZE.
- 3 POINT OF CONNECTION TO (E) DOMESTIC COLD WATER LINE IN CEILING.
- 4 VERIFY (E) SIZE AND LOCATION PRIOR TO ANY (N) CONNECTION.
- 5 (N) 2" SS LINE BF. TIE TO (E) 4"SS LINE OUTSIDE. SEE P1.1. CONNECT 1-1/2" V FROM (N) SK-1 TO (E) VENT LINE OF SAME SIZE OR LARGER IN CEILING. 1/4"/FT SLOPE TOWARD TERMINATION POINT.



SCALE: $1/4"=1'-0"$



TRUE
NORTH

[illegible]

NOTES:

1- ALL HOT WATER AND DRAIN PIPES SHALL BE INSULATED.

2- THERE SHALL BE NO SHARP OR ABRASIVE SURFACE UNDER LAVATORIES/SINKS.

3- FORCE TO ACTIVATE FAUCET CONTROLS SHALL BE NO GREATER THAN 5 LBS.

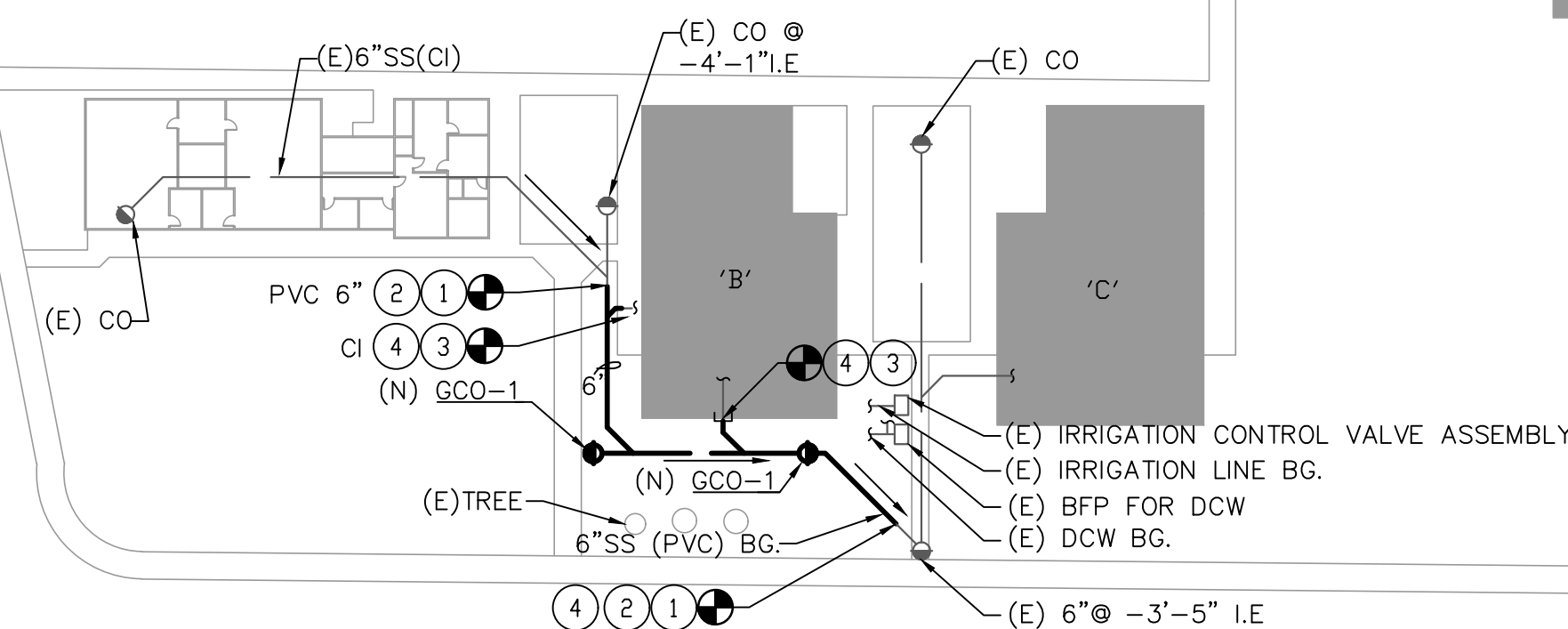
4- COMPLY W/ CA AB 1953 LEAD PLUMBING LAW.

CODE	MANUFACTURER	LOCATION	SERVICE		STORAGE CAPACITY GALLONS	WORKING PRESSURE	KW	VOLT	PHASE	GPM - @60°REE	WEIGHT (lbs)	REMARKS
			WATER									
			IN	OUT								
IEWH-1	CHRONOMITE MODEL: CMI-30L-208	UNDER SINK	60	110	0		6.3	208	1	0.75	10	

NOTES: SET TEMPERATURE FOR 110°F. MOUNT ON THE CABINET WALL BELOW SINK PER MFR'S RECOMMENDATIONS.

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6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.
7. PIPE SIZE AND LOCATIONS ARE BASED ON RECORD DWG AND CAMERA INVESTIGATION DATED 2/1/2024

- ① POINT OF CONNECTION TO (E) 6" SS (PVC). SLOPE 1/8"FT TOWARD TERMINATION POINT.
- ② USE (E) SS ROUTING TRENCHING FOR (N) SS LINE.
- ③ POINT OF CONNECTION TO (E) SS LINE INTO THE BUILDING. VERIFY SIZE, MATERIAL AND I.E. PRIOR TO ANY NEW CONNECTION. CI PIPE MATERIAL FOR INSIDE THE BUILDING (TYP)
- ④ MAKE PROPER TRANSITION(FITTINGS, JOINTS FOR DIFFERENT PIPE MATERIAL(PVC, CI, CLAY).



1 SCALE: 1"=50'-0"



MINI SLOPE OF WASTE LINE PER RECORD DRAWINGS:
INTERIOR: 1/4"/FT
EXTERIOR: 0.08"/FT

AGENCY STAMP

DSA APPLICATION NO: N/A

 Alum Rock Union School District
2930 Gay Ave.
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 dsk
architects

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PROJECT NAME
SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: Author
PM: XX

REVIEWER: XX
DSK JOB NO: XXXXX

SHEET TITLE PLUMBING SITE
PLAN - PAINTER
ELEMENTARY
SCHOOL
NEW WORK

SHEET NUMBER

P2.2

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.
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4. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AND/OR ASPHALT WHERE NECESSARY FOR TRENCHING OF NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL PATCH AND REPAIR SURFACES SMOOTH AND LEVEL TO MATCH ADJACENT SURFACE.
5. FIELD VERIFY (E) CONDITION (PIPE SIZE, VALVE, LOCATION, ETC.) PRIOR TO ANY DEMOLITION OR NEW WORK.
6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.
7. PIPE SIZE AND LOCATIONS ARE BASED ON RECORD DWG AND CAMERA INVESTIGATION DATED 2/1/2024

- 1 POINT OF CONNECTION TO (E) SS. SLOPE TOWARD TERMINATION POINT. CI PIPE FOR INSIDE BUILDING.
- 2 USE (E) SS ROUTING TRENCHING FOR (N) SS LINE.
- 3 POINT OF CONNECTION TO (E) SS BRANCH INTO THE BLDG. VERIFY SIZE, MATERIAL AND I.E PRIOR TO ANY NEW CONNECTION.
- 4 CLEAN (E) 6" SS (CLAY) PIPE OF ANY TREE ROOTS' INTRUSION AS SHOWN ON THE VIDEO CAMERA INVESTIGATION.
- 5 MAKE PROPER TRANSITION FOR DIFFERENT PIPE MATERIAL (PVC, CI, CLAY).
- 6 COORDINATE THE NEW SS LOCATION WITH THE (E) TREE ROOT BARRIER CONSTRUCTION. SEE ARCH DWGS FOR (E) TREE ROOT MODIFICATIONS. PROVIDE ALSO BARRIER FOR THE NEW SS PIPE NEAR THE (E) TREE. TYPAR MFR. MODEL BIOBARRIER. INSTALL PER MFR'S RECOMMENDATIONS.

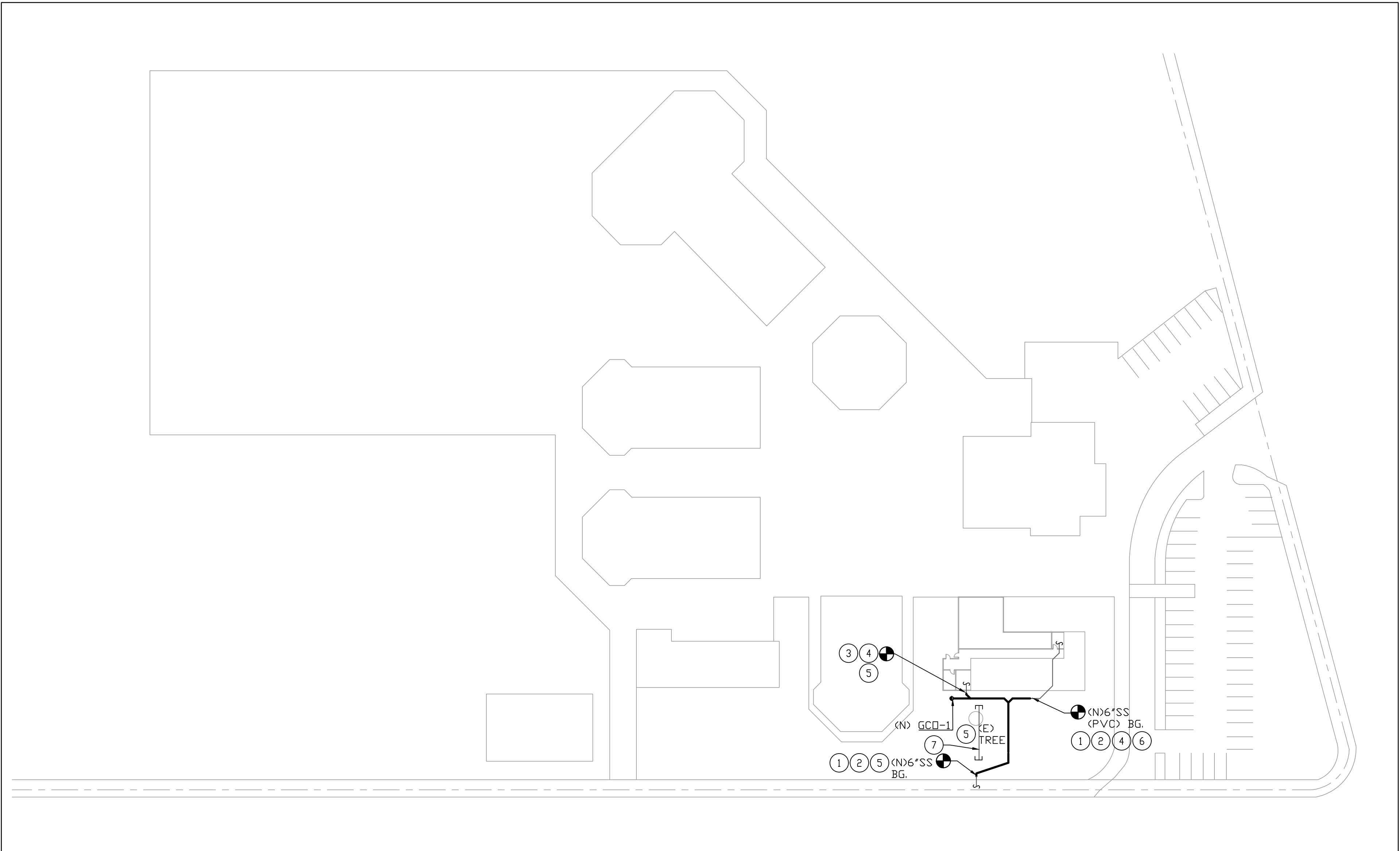


SS PIPE SLOPE
MINI SLOPE OF WASTE LINE PER RECORD DRAWINGS: INTERIOR: 1/4"/FT EXTERIOR: 0.08"/FT

P2.4

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.
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- 1 POINT OF CONNECTION TO (E) SS. SLOPE TOWARD TERMINATION POINT.
- 2 USE (E) SS ROUTING TRENCHING FOR (N) SS LINE.
- 3 POINT OF CONNECTION TO (E) SS BRANCH INTO THE BLDG. VERIFY SIZE , MATERIAL, LOCATION PRIOR TO ANY NEW CONNECTION. CI FOR INSIDE.
- 4 MAKE PROPER TRANSITION FOR DIFFERENT PIPE MATERIAL(PVC, CI, CLAY).
- 5 COORDINATE THE NEW SS LOCATION WITH THE (E) TREE ROOT BARRIER CONSTRUCTION. SEE ARCH DWGS FOR (E) TREE ROOT MODIFICATIONS. PROVIDE ALSO PIPE BARRIER FOR THE NEW SS PIPE NEAR THE (E) TREE. TYPAR MFR., MODEL BIOBARRIER INSTALL PER MFR'S RECOMMENDATIONS.
- 6 SURVEY THE EXISTING UTILITY LINES IN AREA OF WORK. COORDINATE (E) UTILITY LINE WITH NEW WORK AND PROVIDE THE DISTANCES REQUIRED. REPAIR ANY DAMAGE TO (E) UTILITY LINES DUE TO THIS WORK.
- 7 (E) ABANDONED SS IN PLACE.



TRUE
NORTH

SS PIPE SLOPE
MINI SLOPE OF WASTE LINE PER RECORD DRAWINGS: INTERIOR: 1/4"/FT EXTERIOR: 0.08"/FT



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PROJECT NUMBER: 023-054

SEWER REPLACEMENT

KEY PLAN

[illegible]

SHEET TITLE

PLUMBING SITE
PLAN - OCALA
STEAM ACADEMY
NEW WORK

SHEET NUMBER

P2.5

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS. IDENTIFY SIZE AND DEPTH OF ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS OR FOOTING AND INSTALL PIPE SLEEVES PER STRUCTURAL DETAILS.

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6. FIELD VERIFY THE PIPE LENGTH. THE SCALE SHOWN HERE IS APPROXIMATE.

7. PIPE SIZE AND LOCATIONS ARE BASED
ON RECORD DWG AND CAMERA
INVESTIGATION DATED 2/1/2024

1 (N) 4" SS (CI) BG. CONNECT TO (E)
PLUMB FIXTURE. SLOPE 1/4"/FT INSIDE
THE BUILDING TOWARD TERMINATION POINT.

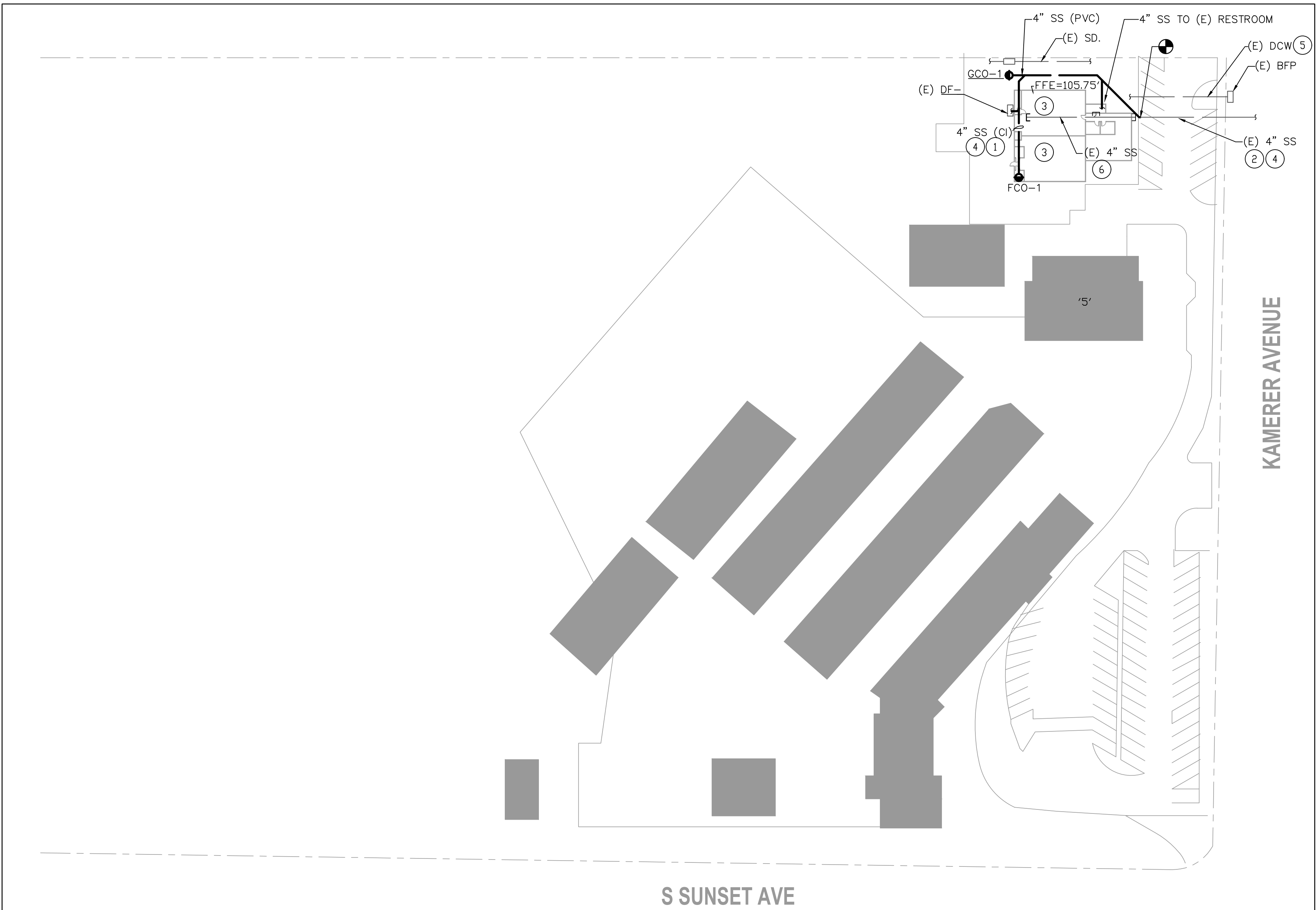
2) (N) 4" SS (PVC). SLOPE 1/8"/FT TOWARD
TERMINATION POINT. VERIFY I.E. @ POINT
OF CONNECTION TO (E) LINE PRIOR TO
ANY DEMO OR NEW WORK.

3) POINT OF CONNECTION TO (E) FIXTURES
INSIDE BLDG. VERIFY SIZE, MATERIAL,
LOCATION PRIOR TO ANY NEW CONNECTION

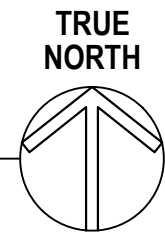
4) MAKE PROPER TRANSITION FOR DIFFERENT PIPE MATERIAL(PVC, CI, CLAY).

5) SURVEY THE EXISTING UTILITY LINES IN AREA OF WORK. COORDINATE (E) UTILITY LINE WITH NEW WORK AND PROVIDE THE DISTANCES REQUIRED. REPAIR ANY DAMAGE TO (E) UTILITY LINES DUE TO THIS WORK.

6 (E) ABANDONED SS IN PLACE.



SCALE: 1"=50'-0"



MINI SLOPE OF WASTE LINE PER RECORD DRAWINGS:
INTERIOR: 1/4"/FT
EXTERIOR: 0.08"/FT

AGENCY STAMP

DSA APPLICATION NO: N/A



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CONSULTANT

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PROJECT NAME

SEWER REPLACEMENT

FACILITY INFO

ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: Author

REVIEWER: X)

PM: XY

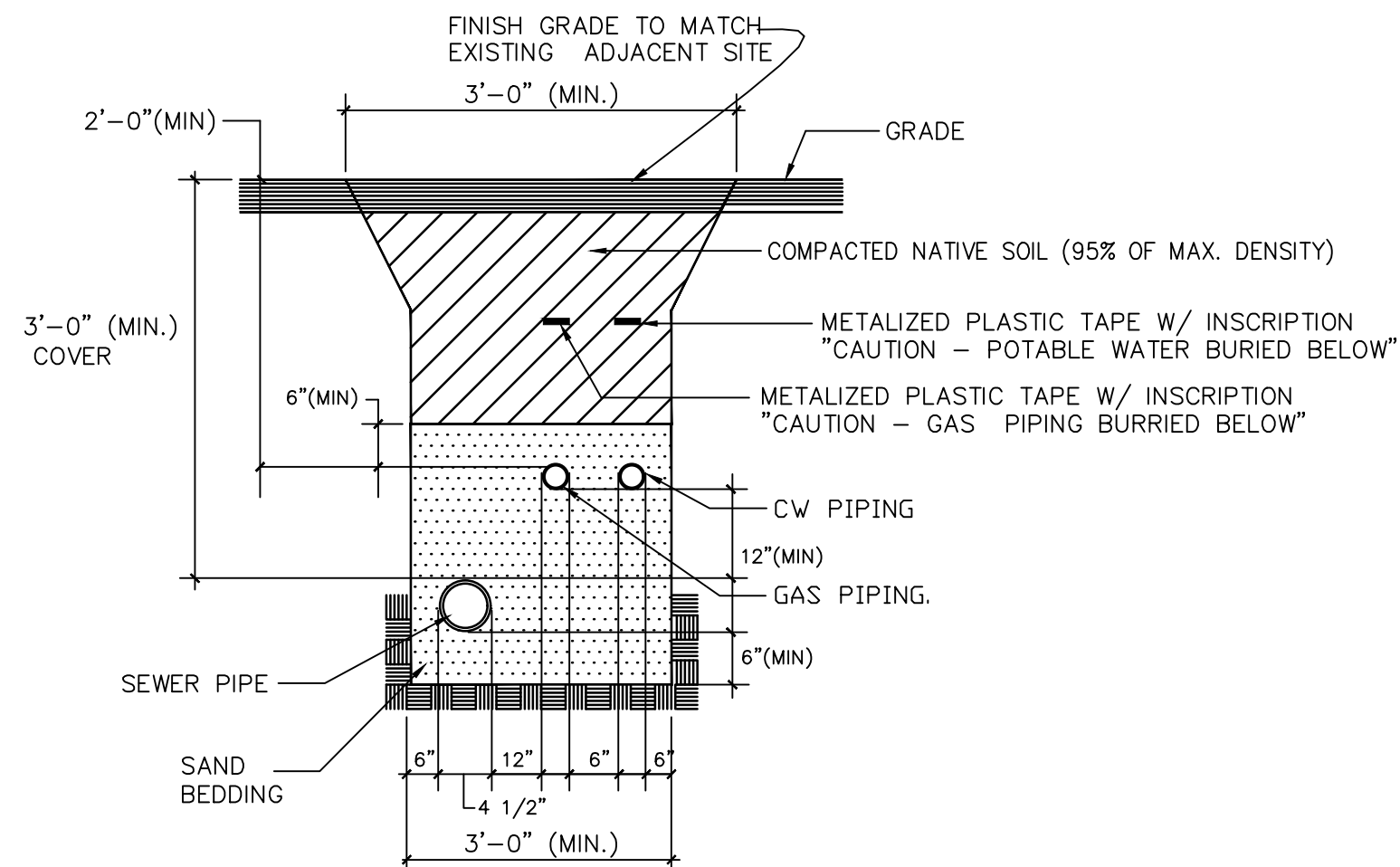
DSK JOB NO: XXXX

SHEET TITLE

PLUMBING SITE PLAN - CESAR CHAVEZ ELEMENTARY SCHOOL - NEW WORK

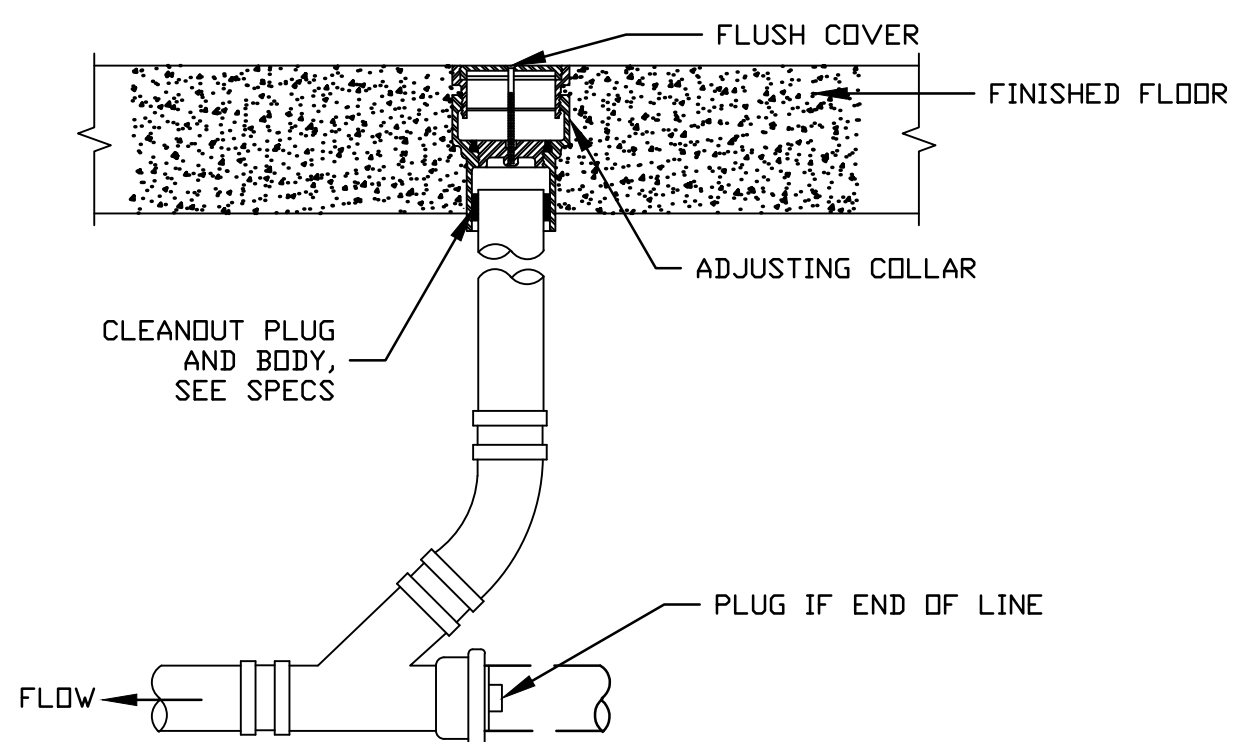
SHEET NUMBER

P2.7



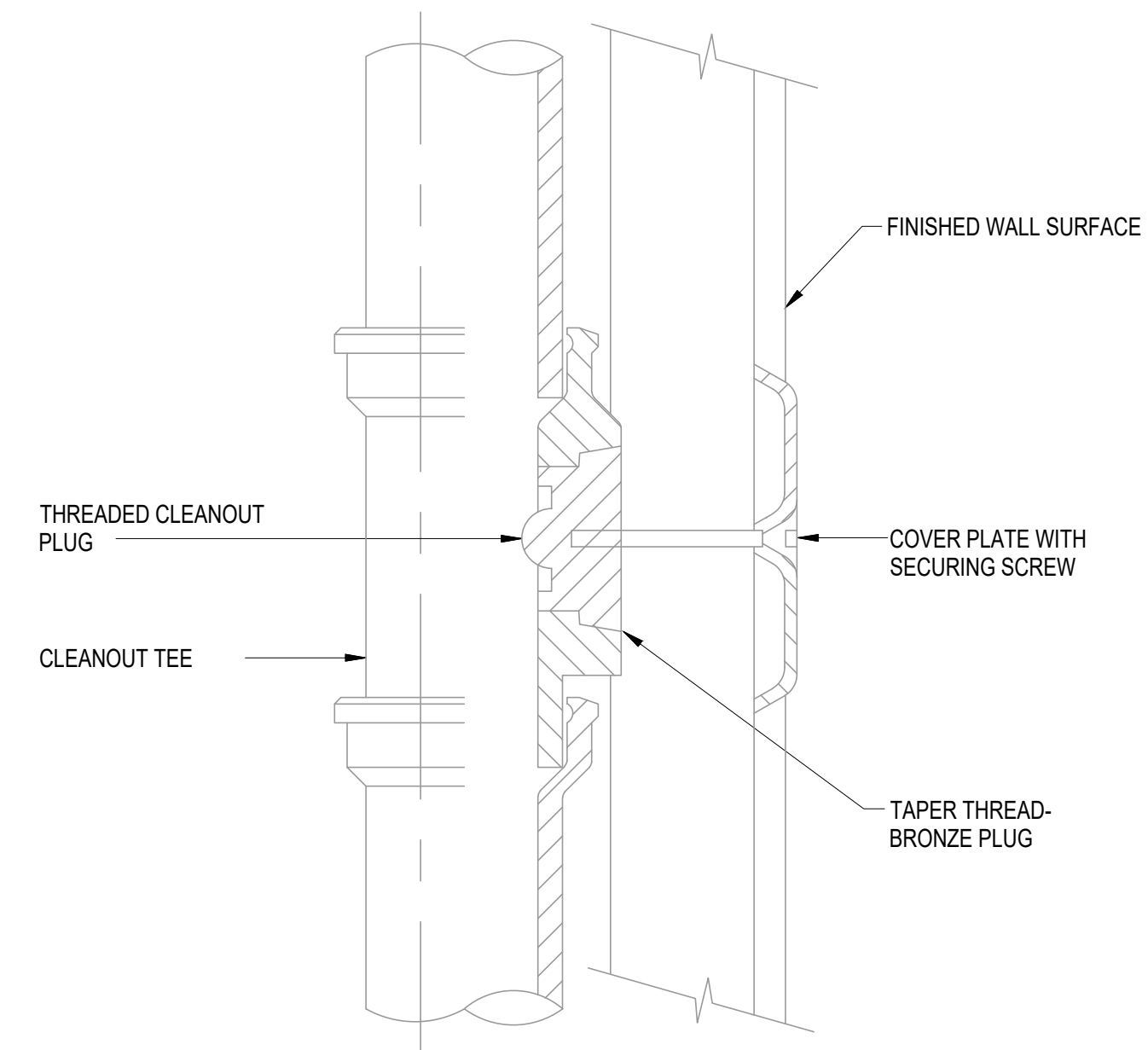
BURIED PIPING DETAIL
NOT TO SCALE

3



FLOOR CLEANOUT DETAIL
NOT TO SCALE

2



CLEANOUT FOR DRAINAGE PIPING CONCEALED

1

AGENCY STAMP

DSA APPLICATION NO: N/A



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CONSULTANT

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PROJECT NAME

SEWER REPLACEMENT

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

KEY PLAN



PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: Author
PM: XX

REVIEWER: XX
DSK JOB NO: XXXXX

SHEET TITLE

PLUMBING DETAILS

SHEET NUMBER

P3.0



**A
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S** ENGINEERS INC.
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SEWER REPLACEMENT

KEY PLAN



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DRAFTER: Author
PM: XX

REVIEWER: XX
DSK JOB NO: XXXXX

SHEET TITLE

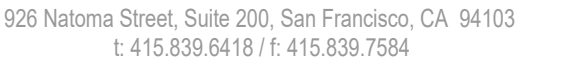
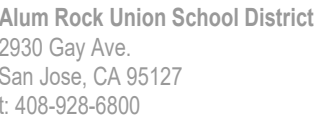
ELECTRICAL LEGENDS, SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

SHEET NUMBER

E0.1

Plotted on
If this sheet is not 22"x34" it is a reduced print - scale accordingly.

DSA APPLICATION NO: N/A



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AN FRANCISCO, CA 94133

EL: 925-937-6700

PROJECT NUMBER: 023-054

SEWER REPLACEMENT

ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

[illegible]

REVIEWER: XX

SK JOB NO: XXXXX

ELECTRICAL SITE PLAN - ALUMINUM
ROCK USD OFFICE

E1.0

3.ELECTRICAL CONTRACTOR TO FIELD VERIFY ALL CONDITIONS PRIOR TO BID.

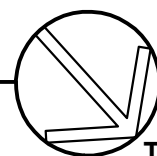
① SEE ENLARGED PLAN 1/E2.0 FOR WORK IN THIS AREA.



1

ELECTRICAL SITE PLAN - ALUM ROCK USD OFFICE

SCALE: 1"=50'-0"



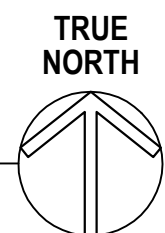
TRUE
NORTH



SCALE: $1/4"=1'-0"$

1. GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF CONFLICTS OCCUR BETWEEN NEW WORKS AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
2. ALL WIRES SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
3. WHERE WIRE SIZES ARE NOTED ON DRAWINGS, THAT SIZE SHALL BE BROUGHT THE ENTIRE RUN UNLESS OTHERWISE NOTED.
4. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.
5. ELECTRICAL CONTRACTOR TO FIELD CERTIFY ALL CONDITIONS PRIOR TO BID.
6. COORDINATE WITH ARCH. FOR EXACT MOUNTING HEIGHT OF THE RECEPTACLES AND JBOXES.

- ① PROVIDE 208V, 1PH, 40A FOR (N) IEWH-1 VIA MOTOR RATED SWITCH. SEE THE EXACT LOCATION IN PLUMB. DWGS. COORDINATE ALL THE ELECTRICAL REQUIREMENT WITH THE VENDOR.
- ② RUN SEAL TIGHT FLEXIBLE CONDUIT TO UNIT CONNECTION. COORDINATE ALL THE ELECTRICAL REQUIREMENT WITH THE VENDOR.
- ③ (N) WIRING AND CONDUIT. RUN ELECTRICAL CONDUIT IN CEILING. VERIFY IN THE FIELD THE CONDUIT ROUTING.



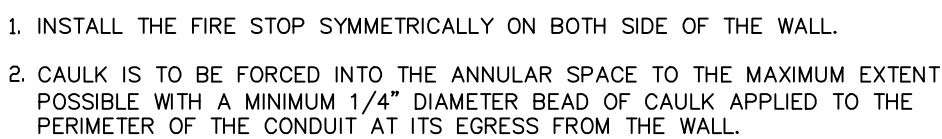
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TEL: 925-937-6700
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PROJECT NUMBER: 023-054

E2.0



DESIGNATION: PHL "A-SEC2"		TYPE EXISTING						MAIN PANEL BUS (AMPS)		400
SUPPLY VOLTAGE:		120/208V, 3PH, 4W						MAIN PANEL BREAKER (AMPS):		225
SUPPLY ORIGIN:		E1						PANEL VOLTAGE:		120/208V, 3PH, 4W
LOCATION OF ORIGIN:		ELECTRICAL ROOM						PANEL LOCATION:		INDOOR
FEDDER SIZE (AMPS)		225						A/C RATING:		10,000
TRANSFORMER SIZE KVA								CONDITION:		NEMA 1
ON/OFF	DIGITAL METER	DESCRIPTION RECEIPT TIME CURRENT	CORE LOSS	ENERGY	CURRENT BURNOUT TEST	CORE LOSS	DESCRIPTION RECEIPT TIME CURRENT	DIGITAL METER	ON/OFF	
		(E) TIME CLOCK	0.6	-	11	31	12	12		
		(B) OFFICE RECEIPTS	1.2	23	1	33	34	1		
		(E) OFFICE RECEIPTS	1.2	23	19	36	1	29		
		(E) OFFICE RECEIPTS	1.2	23	17	37	1	31		
		(E) COOLER CONTROL	1.2	23	1	39	40	1		
		(E) XEROX	1.2	23	1	40	41	25		
		(E) LOAD	1.2	26	1	43	44	1		
		(E) LOAD	1.2	26	1	45	46	2		
		-	2.1	21	36	47	-	15	-	
		-	2.1	21	39	50	2	38		
		(E) POWER LOSS IN BUILDING OFFICE	1.2	39	1	51	52	-	15	
		(E) SUB-PANEL "B"	3.3	108	2	53	54	2	15	
		-	3.9	-	55	56	-	16	-	
		-	1.5	29	2	57	58	2	15	
		-	1.5	15	1	59	60	-	18	
PHASE "A"		CONNECTED LOAD (KVA)	15	MEASURED LOAD (AMPS)				DEMAND LOAD (KVA)		41
PHASE "B"		CONNECTED LOAD (KVA)	14	MEASURED LOAD (AMPS)				AMPS @ 120/208V, 3 PHASE, 4W		118
PHASE "C"		CONNECTED LOAD (KVA)	17	MEASURED LOAD (AMPS)						
TOTAL:		CONNECTED LOAD (KVA)	46	DATE LAST MEASURED:						

- KEY NOTES:**
- ① (E) PANEL, NEW WORK REQUIRED. SEE PANEL SCHEDULE.
 - ② (E) CONDUIT & CABLE. NO WORK REQUIRED.
 - ③ (E) PANEL, NO WORK REQUIRED.
 - ④ PROVIDE TYPEWRITTEN SCHEDULE UPON COMPLETION OF THIS PROJECT.
 - ⑤ USE FEEDER SCHEDULE FOR NEW WIRES & CONDUITS.



- 2

NOTES:	
1	CONDUCTORS AND CONDUTS SHOWN IN THIS SCHEDULE ARE BASED ON COPPER AND ALUMINUM CONDUCTORS WITH THIN/THIN INSULATION.
2	THIS SCHEDULE SHALL BE USED ON ALL FEEDERS SERVING LOADS WHERE THE CIRCUIT BREAKER SIZE MATCHES THE AMPCACITY OF ITS FEEDER. USE THE "MOTOR CIRCUIT SCHEDULE" FOR LOADS, SUCH AS MOTORS, PUMPS, FANS, CHILLERS, ETC., WHERE THE CIRCUIT BREAKER SIZE IS LARGER THAN THE AMPCACITY OF ITS FEEDER.
3	PROVIDE GROUND WIRE NOTED ABOVE IN ALL FEEDERS AND BRANCH CIRCUITS, WHERE MULTIPLE CONDUITS ARE INDICATED PROVIDE NOTED GROUND WIRE IN EACH CONDUIT.
4	NOT ALL FEEDERS ARE NECESSARY USED ON THIS PROJECT.
5	NOMINAL AMPCACITY GREATER THAN 100 AMPS ARE 75° DEG. C. TERMINALS.



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PROJECT NUMBER: 023-054

FACILITY INFO
ALUM ROCK UNION SCHOOL DISTRICT VARIOUS SITES

PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

SHEET TITLE

ELECTRICAL PARTIAL SINGLE LINE DIAGRAM & DETAILS

SHEET NUMBER

E3.0