0	5'								50'
Ш									
GRAPHIC SCALES:						1/	16" =	: 1'-0'	,

0 5'

25'

1/8" = 1'-0"

	GENERAL NOTES			
•	ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING CODES LISTED IN "APPLICABLE CODES" AND ALL GOVERNING LOCAL CODES AND REGULATIONS.	₽L & ∠ @	Property Line And Angle At	LAB. LAM. LND(LAV.
	IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FURNISH AND AND INSTALL ALL MATERIALS AND WORK DESCRIBED, DEPICTED OR DETAILED WITHIN THESE DOCUMENTS REGARDLESS OF THE LOCATION OF THAT MATERIAL OR WORK WITHIN THE DOCUMENTS OR OMISSION (WHETHER DELIBERATE OR ACCIDENTAL) OF THAT MATERIAL OR WORK BY A SUBCONTRACTOR ON HIS/HER BID.	ע®€י⊗⊣ # //	Centerline Diameter or Round Perpendicular Pound or Number Parallel	LIN LKR. L.P. LT. LTC
	THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONSIDER THESE DOCUMENTS IN THEIR ENTIRETY. DISCREPANCIES OR CONTRADICTIONS BETWEEN PORTIONS OF THESE DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT LEAST 72 HOURS PRIOR TO BID OPENING FOR CLARIFICATION. OTHERWISE, THE MOST RESTRICTIVE REQUIREMENT SHALL BE IN FORCE AT NO ADDITIONAL COST TO THE OWNER.	ABV. ACC. ACOUS. ACP ACT A.D.	Above Accessible Acoustical Suspended Acoustic Panel Ceiling Acoustical Ceiling Tile Area Drain	M.D.I MAT MAX M.B. M.C.
	THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. CONTRACTOR ESTABLISH PROCEDURES TO ASSURE ALL PERSONS ENTERING A POSSIBLY HAZARDOUS AREA, INCLUDING WORKERS, SUBCONTRACTORS, OTHER CONTRACTORS, VISITORS, AND OTHERS ARE AWARE OF APPROPRIATE / REQUIRED SAFETY PROCEDURES. COMPLY WITH LOCAL, STATE, AND FEDERAL SAFETY STANDARDS, INCLUDING OSHA REQUIREMENTS AND WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE	ADD. ADJ. A.F.F. AGGR. AL./ALUM. ANOD. APPROX. A.P. ARCH.	Additional Adjustable Above Finished Floor Aggregate Aluminum Anodized Access Panel Approximate Architectural	MEC MEM MFR MH. MIN. MIR. MISC M.O.
	ASSOCIATED GENERAL CONTRACTORS OF AMERICA. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY FENCING AND GATES, SIGNAGE, SECURITY LIGHTING OR OTHER SECURITY AND CONTROL MEASURES NECESSARY TO PROVIDE FOR THE SAFETY OF THE PUBLIC AND FACILITY USERS UNTIL THE COMPLETION OF THE	ASB. ASPH. A.C. BAL.	Asbestos Asphalt Asphaltic Concrete Balance	M.S. MTE MTG MUL MOE
-	THE CONTRACTOR IS RESPONSIBLE TO FOR PROTECTION OF ADJACENT PROPERTY AND SHALL REPAIR AND / OR REPLACE ALL PROPERTY DAMAGED DURING THE COURSE ON THE WORK.	BAS./BSMT. BTWN. BD. BITUM. BLDG.	Basement Between Board Bituminous Building	(N) N. N.I.C NO. NON
•	THE CONTRACTOR SHALL LIMIT HIS / HER ACTIVITY TO THE AREA DESCRIBED WITHIN THE DOCUMENTS UNLESS OTHERWISE PERMITTED BY THE OWNER'S REPRESENTATIVE.	BLK. BLKG. BM.	Block Blocking Beam	N.T. O.A.
	THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY ITEMS DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK. INSTALLATION SHALL MATCH EXISTING IN KIND, QUALITY, AND PERFORMANCE.	BOT. BO. B.U.R.	Bottom Both Built-up Roofing	OBS O.C O.D OFC
	WHERE EXISTING CONSTRUCTION AND FINISES ARE CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, PERFORMANCE CHARACTERISTICS, AND APPEARANCE.	CAB. C.B. CBB CEM.	Cabinet Catch Basin Cementitious Backer Board Cement	OFF O.H OPN OPF
	. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER-FURNISHED ITEMS, INCLUDING FURNITURE AND EQUIPMENT, TO ENSURE PROPER COORDINATION WITH CONSTRUCTION. . ALL ITEMS IN THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.	CER. CFCI C.G. C.I. C.J. CLG.	Ceramic Contractor Furnish Contractor install Corner Guard Cast Iron Control Joint Ceiling	O.F. OFO PRC PL.
2.	ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL OCCUPIED EXISTING FACILITIES SHALL BE MAINTAINED IN SERVICE AT ALL TIMES. ANY SHUT DOWNS FOR NEW CONNECTIONS MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE TWO WEEKS PRIOR TO THE REQUESTED SHUT DOWN.	CLG. CLKG. CLO. CL./CLR. CLRM. CMP CMU C.O.	Ceiling Caulking Closet Clear Classroom Exterior Cement Plaster Concrete Masonry Unit Clean Out	PLN P.LA PLA PDF POF
	COORDINATION WITH OTHER CONTRACTS: IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE OWNER'S REPRESENTATIVE ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.	COL COMPT. CONC. CONN. CONST. CONT. CORR. CTSK. CNTR.	Column Compactor Concrete Connection Construction Continuous Corridor Countersunk Counter	PT. P.T. P.T. P.T. P.T. P.I.F
	. COORDINATION OF SCHEDULE: PORTIONS OF THIS WORK MAY BE REQUIRED TO BE COMPLETED ON SCHEDULE IN ORDER TO AVOID DELAY TO OTHER CONTRACTORS OR OWNERS OPERATIONS. CONTRACTOR SHALL STRICTLY ADHER TO ESTABLISHED COMPLETION DATES AS DESIGNATED IN THE SPECIFICATIONS AND COORDINATE WORK SCHEDULE WITH THE OWNER'S REPRESENTATIVE AND OTHER CONTRACTORS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND LIQUIDATED DAMAGES.	CNTR. CNTRTOP CTR. DBL. DEFLECT. DEMO. DEPT. D.F.	Countertop Conter Double Deflection Demolition Department Drinking Fountain	Q.T (RE RAI RB R.D REF REF
	5. SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE, INCLUDING CONSTRUCTION ACCESS AND STORAGE, AND WORK OUTSIDE THE "EXTENT OF WORK" SET FORTH IN THESE DOCUMENTS. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.	DET./DTL. D.I. DIA. DIM. DISP. DN.	Detail Drain Inlet Diameter Dimension Dispenser Down	REF RGT REI REC RES
	. CONSTRUCTION PROCEDURES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.	D.O. DR. DWR. DS.	Door Opening Door Drawer Downspout	RM. R.O RST RW
	DEMOLITION IS NOT NECESSARILY LIMITED TO ONLY WHAT IS SHOWN ON THIS OR OTHER DRAWINGS OR AS OUTLINED IN THE SPECIFICATIONS. THE INTENT IS TO INDICATE GENERAL SCOPE OF DEMOLITION REQUIRED. CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS DEMOLITION, CUTTING AND PATCHING REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.	D.S.P. DWG. (E)/EXST. E. EA.	Dry Standpipe Drawing Existing East Each	R.W R.H RCF S S.C.
-	ALL ITEMS IDENTIFIED TO BE SALVAGED SHALL BE DELIVERED IN GOOD CONDITION TO A PLACE OF STORAGE AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ALL OTHER ITEMS MUST BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.	E.F. E.J. EL. ELEC. ELEV.	Exhaust Fan Expansion Joint Elevation Electrical Elevation	S.C. SCH SCC SCF
	ARCHITECT IS NOT RESPONSIBLE FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. TO THE EXTENT THESE DOCUMENTS RELATE TO SUCH ISSUES, ARCHITECT'S PARTICIPATION IS SOLELY ADMINISTRATIVE WITHOUT ANY RESPONSIBILITY FOR THE CONTENT OR EXECUTION OF SUCH DOCUMENTS.	ELLER. ENCL. E.P. EQ. EQPT. E.W.C. EXPO.	Emergency Enclosure Electrical Panelboard Equal Equipment Electrical Water Cooler Exposed	S.D. SEC S.E. S.F. SH. SHF SHT
	D. CONTRACTOR TO MAINTAIN CONTEMPORANEOUSLY RECORDED "AS-BUILT" INFORMATION OF ALL WORK, WHICH SHALL BE MARKED IN COLOR ON THE DRAWINGS AND SPECIFICATIONS. A SCANNED PDF OF THE "AS-BUILT" DRAWINGS AND SPECIFICATIONS SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL APPLICATION FOR PAYMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.	EXPOS FXP	Exposed Structure Expansion Exterior Extrusion Fire Alarm Flat Bar	SIM S.L. S.M S.M S.N. SPE
	CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION AND DUST COVERS ADJACENT TO OCCUPIED AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS, INCLUDING SIDEWALKS AND DRIVEWAYS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM.	F.BKT. F.D. FDN. F.E. F.E.C. F.H.C.	Fire Blanket Floor Drain Foundation Fire Extinguisher Fire Extinguisher Cab. Fire Hose Cabinet	S.C. S.P. SQ. S.S. SST STA
22	2. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.	FIN. FIXT. FL. FLASH.	Finish Fixture Floor Flashing	STA STD STL STO
	B. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.	FLUOR. F.O.C. F.O.F. F.O.S.	Fluorescent Face of Concrete Face of Finish Face of Studs	STR STR SUS
		FPRF. F.R. FRP	Fireproof Fire Retardent Fiberglass Reinforced Panel	SYM T.O.
		FRZ. F.S. FT. FTG.	Freezer Full Size Foot or Feet Footing	T.O. T.O. T.O.
	ADMINISTRATIVE NOTES	FURR. FUT. F.V.	Furing Future Field Verify	T.O. TOI TRE THF
	A COPY OF PARTS 1 AND 2, TITLE 24 C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES DURING	GA. GALV.	Gauge Galvanized Grab Bar	TEL TEF T.& THI
	ALL CONSTRUCTION. ALL CONSTRUCTION CHANGE DOCUMENT AND ADDENDA TO BE SIGNED BY THE ARCHITECT AND THE OWNER.	ĞND. GR.	Glass Ground Grade Galvanized Sheet Metal Gypsum	T P T V T V TYF TEN TW
•	ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24.	H.B. H.R. HD. HDWD.	Hose Bibb Hand Rail Head Hardwood	UNI U.C UR
	TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE- TEST MAY BE BACK CHARGED TO THE CONTRACTOR.	HORIZ.	Hardware High Impact Gypsum Board Hollow Metal Horizontal	
	THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24.	H.W.D. HR H.S.	Hot Water Dispenser Hour Height Hanger Strip	V.T W.
		ICB ICP I.D. INFO INSUL.	Integral Cove Base Interior Cement Plaster Inside Diameter (Dim.) Information Insulation	W./ WD WD WE WK WK
		INT. JAN. JT.	Interior Janitor Joint	W/0 WP W.F W.F
		KIT. K.S.	Soint Kitchen Knee Space	VV.1 WS W1 W/

Working Point

Water Heater

Wainscot

Weight

With

Water Resistant

Owner

SAN RAFAEL HIGH SCHOOL **STORM DRAIN IMPROVEMENTS**

150 3RD STREET SAN RAFAEL, CA 94901

ABBREVIATIONS APPLICABLE CODES Laboratory ALL WORK PERFORMED UNDER THIS CONTRACT IS TO CONFORM TO THE FOLLOWING Laminate Landing Lavatory Linoleum CODES AND REGULATIONS: COLUMN LINE 2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) Locker BUILDING ELEVATION Low Partition Light Light Weight Concrete over - ELEVATION IDENTIFICATION 2019 CALIFORNIA BUILDING CODE (CBC) , PART 2, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH 2016 CALIFORNIA AMENDMENTS) Plywood Subfloor or Metal A3.01 Deck IS SHOWN 2019 CALIFORNIA ELECTRICAL CODE (CEC) , PART 3, TITLE 24, CCR BASED ON THE Medium Density Fiberboard 2020 NATIONAL ELECTRICAL CODE (NEC) WITH 2019 CALIFORNIA AMENDMENTS) BUILDING OR WALL SECTION Material -SECTION IDENTIFICATION Maximum <u>2019 CALIFORNIA MECHANICAL CODE (CMC)</u>, PART 4, TITLE 24, CCR BASED ON THE Machine Bolt A3.01 2018 UNIFORM MECHANICAL CODE (UMC) WITH 2019 CALIFORNIA AMENDMENTS) Medicine Cabinet IS SHOWN Mechanical 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR BASED ON THE2018 UNIFORM PLUMBING CODE (UPC) WITH2019 CALIFORNIA AMENDMENTS) Membrane DETAIL Meta - DETAIL IDENTIFICATION Manufacturer 2019 CALIFORNIA ENERGY CODE , PART 6, TITLE 24 CCR Manhole A3.01 Minimum (- MEANS DETAIL SHOWN ON Mirror 2016 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2013) SAME SHEET) Miscellaneous INTERIOR ELEVATION(S) Masonry Opening Machine Screw 2019 CALIFORNIA FIRE CODE (CFC) , PART 9, TITLE 24, CCR BASED ON THE Mounted IS SHOWN Mounting Mullion 2015 INTERNATIONAL FIRE CODE (IFC) WITH 2016 CALIFORNIA AMENDMENTS) A5.01 Modular 2019 CALIFORNIA EXISTING BUILDING CODE , PART 10, TITLE 24 CCR (2015 IEB CODE AND CALIFORNIA AMENDMENTS) ELEVATION NOT SHOWN New North 2019 CALIFORNIA GREEN BUILDING CODE (CALGreen) , PART 11, TITLE 24, CCR Not in Contract Number -WORK POINT, CONTROL POINT 2019 CALIFORNIA REFERENCED STANDARDS , PART 12, TITLE 24 CCR Nominal OR DATUM POINT Not To Scale TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS REVISIONS Overall Obscure On Center Outside_Diameter(Dim.) 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN $/_3$ REVISION NUMBER NFPA 13 INSTALLATION OF SPRINKLER SYSTEMS 2016 EDITION Owner Furnshed INSTALLATION OF STANDPIPE SYSTEMS 2019 EDITION NFPA 14 Contractor Install **ROOM IDENTIFICATION (TYPE 1)** Office NFPA 17 STANDARD FOR DRY CHEMICAL EXTINGUISHING SYS. 2017 EDITION Opposite Hand NFPA 17A STANDARD FOR WET CHEMICAL SYS. 2017 EDITION Opening Opposite INSTALLATION OF STATIONARY PUMPS 2019 EDITION NFPA 20 INSTALLATION OF PRIVATE FIRE MAINS 2019 EDITION NFPA 24 Outside Face of Stud 1A1 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE 2016 EDITION Owner Furnished Owner 1st No./Letter: FLOOR/BASE FIRE DOORS AND OTHER OPENING PROTECTIVES NFPA 80 2019 EDITION Installed 2nd No./Letter: WALLS/WAINSCOT NFPA 92 STANDARD FOR SMOKE CONTROL SYSTEMS 2018 EDITION 3rd No./Letter: CEILING 2018 EDITION NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYS Pre-Cast NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEM 2018 EDITION Plate ROOM IDENTIFICATION (TYPE 2) Plan Plastic Laminate REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2019 CBC CHAPTER 35 AND CORRD - ROOM NAME Plaster 2019 CFC CHAPTER 45 201 - ROOM NUMBER Plywood Porcelain Tile 9'-0" -----CEILING HEIGHT Pair Point DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS Paper Towel Dispenser WINDOW SYMBOL Combination Paper Towel CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR WINDOW MARK Dispenser & Receptacle FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE. Partition SEE WINDOW SCHEDULE Paper Towel Receptable COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND Pneumatic Tube System DEMOLITION, AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION WILL BE Poured in Place CASEWORK SYMBOL ENFORCED. Quarry Tile CASEWORK SERIES NUMBER FOR DETAIL DESCRIPTION OF UNIT CASEWORK TYPE & DESIGNATIONS, Relocated Existing W D H REFER TO WOODWORK INSTITUTE Radius **Resilient Base** MANUAL OF MILLWORK Roof Drain HEIGHT Reference Reflected - DEPTH — WIDTH Refrigerator Register Reinforced SHEETNOTE TAG REFER TO SHEETNOTE LIST Required Resilient (123) LOCATED ON PLAN SHEETS Room ASSEMBLY TAG Rough Opening Rubber Stair Tread REFER TO WALL, FLOOR AND ROOF 123 Redwood ASSEMBLIES ON A9.10 Rain Water Leader Robe Hook DOOR SYMBOL Reflected Ceiling Plan SEE DOOR SCHEDULE South $\sqrt{2}$ Solid Core -HARDWARE GROUP See Civil Dwgs. SEE FIN. HARDWARE SCHEDULE Schedule Sealed Concrete (E) DOOR TO REMAIN Soap Dispenser Section (E) DOOR TO BE REMOVED See Electrical Drawings See Fire Protection Drawing Shelf Shower (N) DOOR & DOOR FRAME Sheet Similar See Landscape Drawings See Mechanical Drawings Sheet Metal Screw $\overline{}$ 2 X 4 FLUORESCENT LIGHT Sanitary Napkin Dispenser FIXTURE, RECESSED Sanitary Napkin Receptacle Specifications \sim 1 X 4 FLUORESCENT Seat Cover Dispener LIGHT FIXTURE See Plumbing Drawings Square See Structural Drawings -DOWNLIGHT, RECESSED Stainless Steel Station (SD) SMOKE DETECTOR Standard Steel HD HEAT DETECTOR Storage Structural SP Structural SPEAKER Suspended Symmetrical SPRINKLER HEAD Top of Top of Curb REGISTER (SUPPLY OR RETURN) Top of Pavement SEE MECHANICAL DRAWINGS FOR Top of Slab ADDITIONAL INFORMATION VICINITY MAP NO SCALE Top of Wall Toilet Tread CEILING ACCESS PANEL Threshold Telephone 1 4th St \bigotimes CEILING MOUNTED EXIT SIGN Terrazzo Tongue and Groove WALL MOUNTED EXIT SIGN Ю Thick LOW LEVEL WALL MOUNTED EXIT 5 Whole Foods Market Toilet Paper Dispenser ЮL SIGN 5 Television Typical \bigtriangledown WALL SCONCE Temporary Tackable Wall Board Panel 150 3rd Street FΕ SURFACE MOUNT FIRE EXTINGUISHER Unfinished Unless Otherwise Noted Urinal RECESS MOUNT FIRE FEC San Rafael Hig EXTINGUISHER CABINET Trader Joe's 🔁 Vertical or Vertically DOWNSPOUT - CONNECT TO Vestibule DS STORM DRAIN SYSTEM, SEE Vent Cove Base PLUMBING DRAWINGS Vent Through Roof West or Wire SOME OF THE ABOVE SYMBOLS MAY NOT Water Closet 67 8 HAVE BEEN USED FOR THIS PROJECT. Wood Terrapin Crossroads 452 Wood Veneer Panel Window Work Where Occurs 🖰 Best Buy Without Waterproof

PROJECT LOCATION

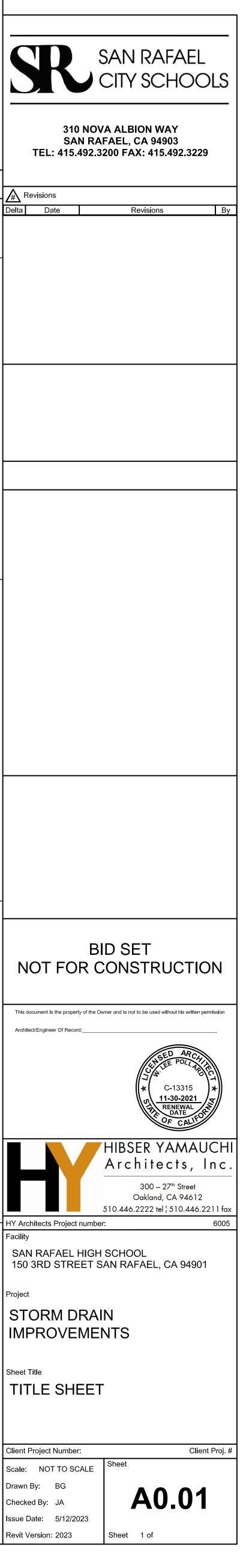
1 1" = 1'-0" 1 1/2" = 1'-0"

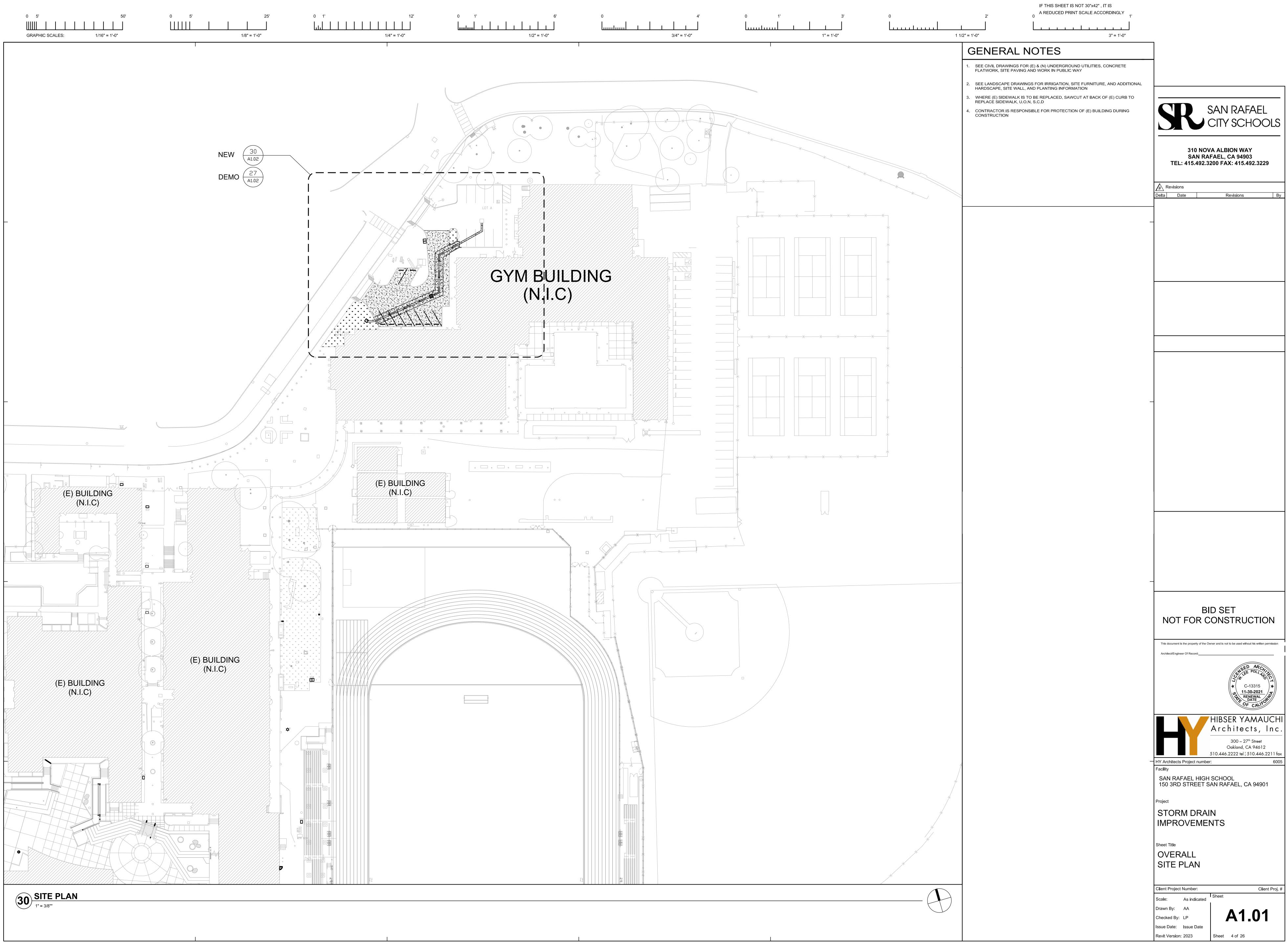
- 3'

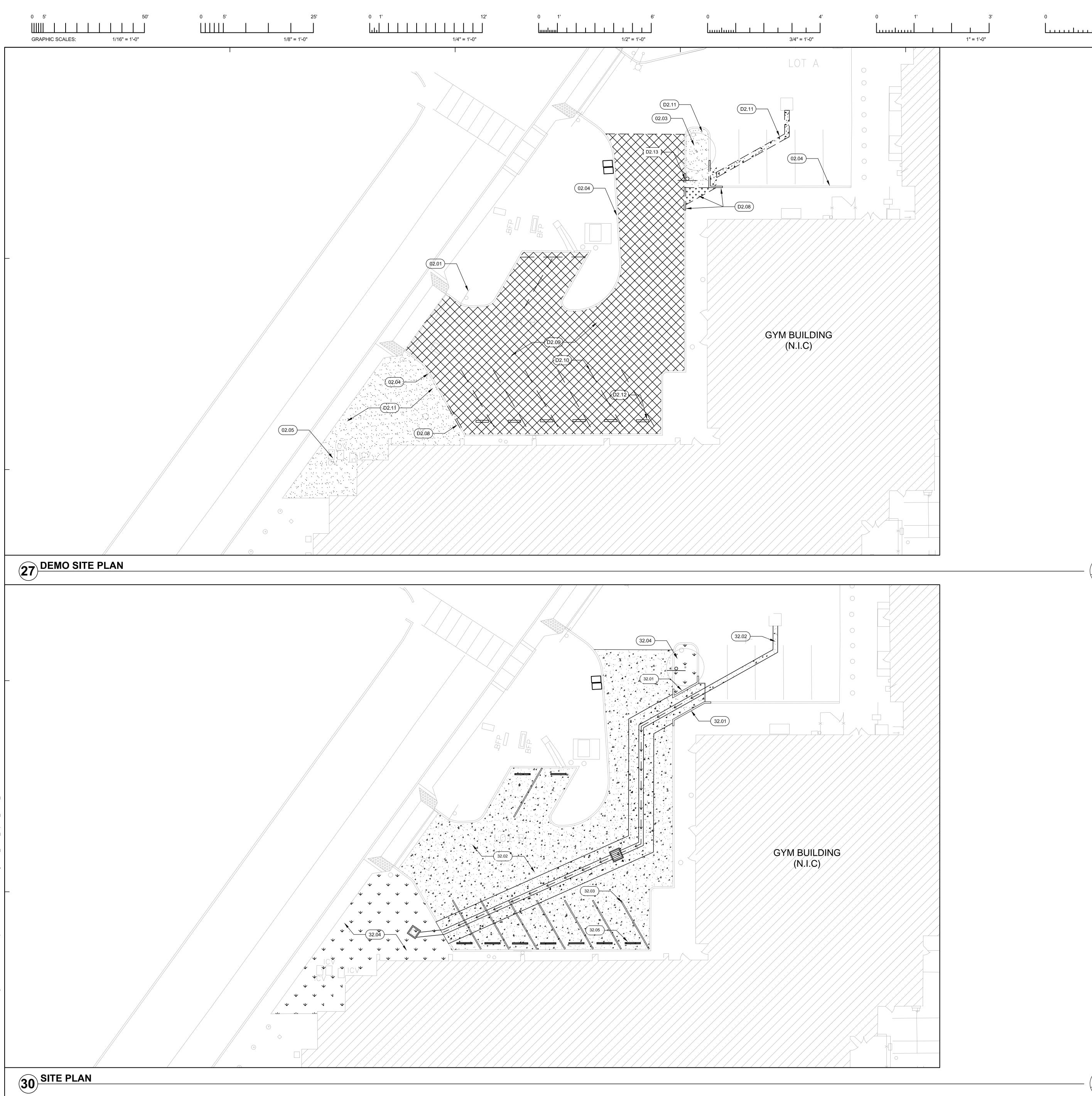
IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT SCALE ACCORDINGLY

> 3" = 1'-0"

		OWNER			INDEX OF DRAWINGS	
			TFL (415) 402-2225			
		SAN RAFAEL, CA 94903	FAX. (415) 492-3229	A1.02		_
PROCEEDED IN THE ADDRESS IN THE CONTROL OF ADDRESS INTO		150 THIRD STREET SAN RAFAEL, CA 94901	TEL. (415) 485-2330	C1.0 C2.0 C2.1 C3.0	GRADING AND DRAINAGE PLAN, PROFILE AND DETAIL STORM DRAIN IMPROVEMENTS STRIPING PLAN	
		VAN PELT CONSTRUCTION SERVICES 5030 BUSINESS CENTER DRIVE, STE 240 FAIRFIELD, CA 94534	TEL. (707) 438-3790 FAX. (707) 438-3793	C4.1 LANDS L1.1	BEST MANAGEMENT PRACTICES SCAPE PLANTING PLAN	
ARCHITECT Hesser VALUE VECTOR INC. TE.: \$453,446.2021 ANALYSIN STRETT RESIDENCE TE.: \$453,446.2021 ANALYSIN STRETT RESIDENCE TE.: \$453,446.2021 CARLENTES TE.: \$453,446.2021 <td< td=""><td></td><td>WILL McMANUS GREYSTONE WEST COMPANY</td><td>FAX. (707) 996-8390</td><td>L2.2</td><td></td><td></td></td<>		WILL McMANUS GREYSTONE WEST COMPANY	FAX. (707) 996-8390	L2.2		
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OATE MANOATE MONOATE MANAGEMENT OF THE MANOATE AND THE MANAGEMENT OF THE MANAGE		HIBSER YAMAUCHI ARCHITECTS, INC. 300 27TH STREET, 2ND FLOOR OAKLAND, CA 94612				
Description association for the languages TEL: 115,500-0015 Howard Ca space Howard Ca space Howard Ca space Contract: JungES CLARK, F.E		GATES +ASSOCIATES 1655 N. MAIN STREET SUITE 365 WALNUT CREEK, CA 94596				
STORM DRAIN IMPROVEMENTS ON THE NORTH SIDE OF THE CAMPUS INCLUDE: 1. UNDERGROUND UTILITY AND INLET REPLACEMENT. 2. CONCRETE CHANNEL AND PARKING LOT REGRADING AND STRIPING 3. LANDSCAPE MODIFICATIONS Print Sam Pado Ro Marking Lot Regration (Lattice) Print Sam Pado Ro Print S		OBERKAMPER & ASSOCIATES CIVIL ENGINEER 7200 REDWOOD BLVD, SUITE 308 NOVATO, CA 94945	RS TEL. (415) 599-2645			
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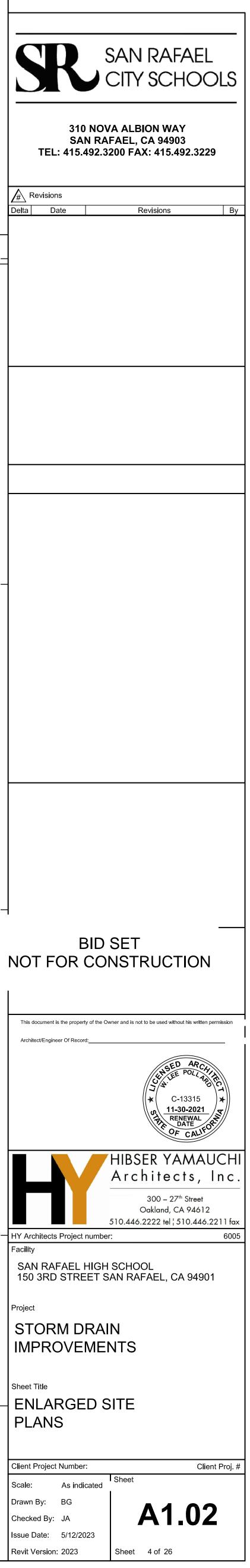


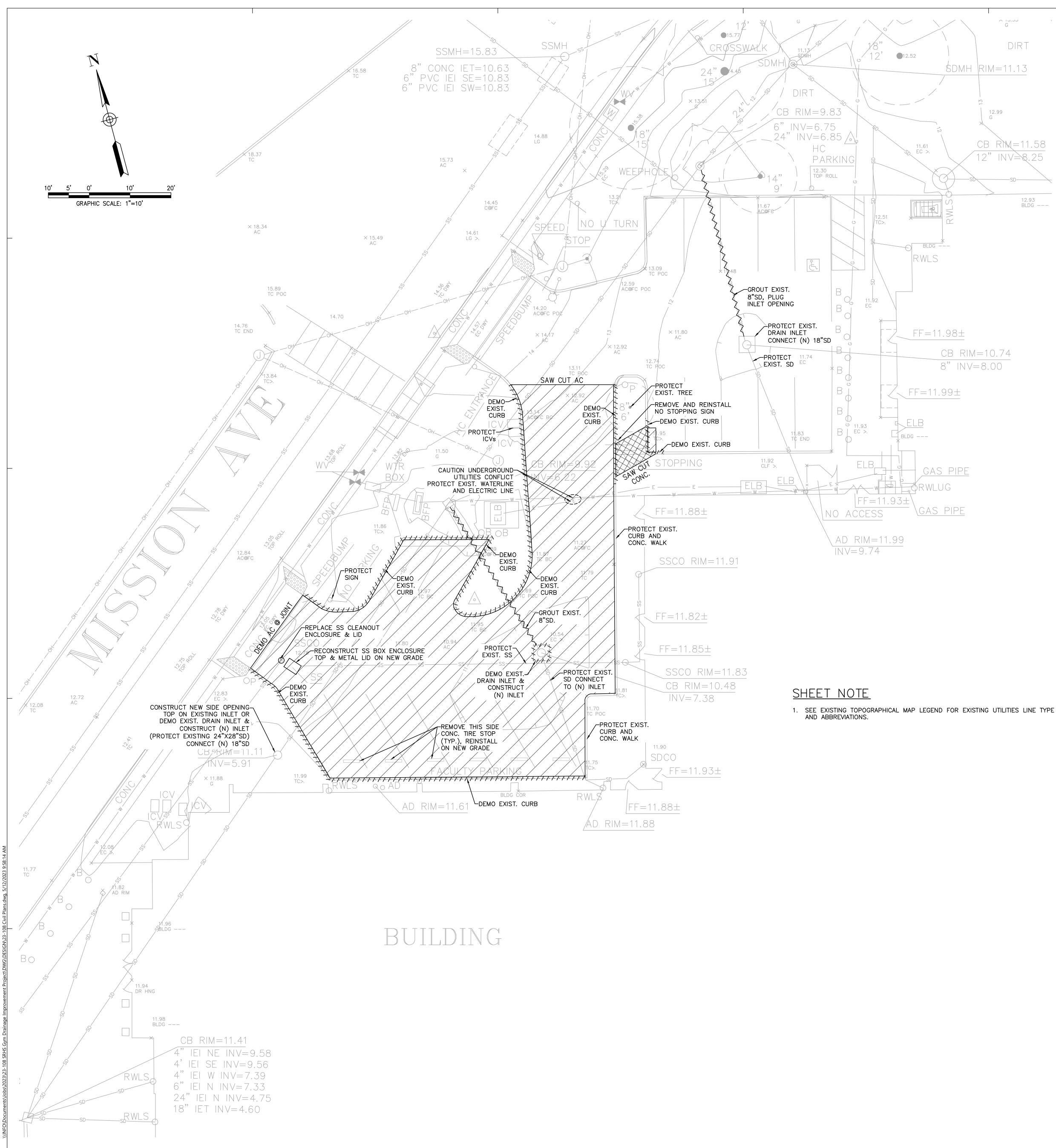


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1" = 1'-0"		1/2" = 1'-0" 3" = 1'-0"	
		GENERAL NOTES	
		1. SEE CIVIL DRAWINGS FOR (E) & (N) UNDERGROUND UTILITIES, CONCRETE	
		FLATWORK, SITE PAVING AND WORK IN PUBLIC WAY	
		2. SEE LANDSCAPE DRAWINGS FOR IRRIGATION, SITE FURNITURE, AND ADDITIONAL HARDSCAPE, SITE WALL, AND PLANTING INFORMATION	
		3. WHERE (E) SIDEWALK IS TO BE REPLACED, SAWCUT AT BACK OF (E) CURB TO REPLACE SIDEWALK, U.O.N, S.C.D	
		4. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF (E) BUILDING DURING	\mathbf{C}
		CONSTRUCTION	
			-
			<u> </u>
			<mark>_∰</mark> Re ^v Delta
		KEY NOTES	
		 (E) SIGN TO REMAIN, PROTECT IN PLACE (E) TREE/ SHRUB TO REMAIN, S.L.D 	
		02.04 (E) CURB TO REMAIN. U.O.N	
		(E) UTILITY BOX TO REMAIN, PROTECT IN PLACE	
		(E) GRADE TO REMAIN. S.C.D	
		D2.08 DEMO (E) SIDEWALK. SAWCUT AT BACK OF (E) CURB TO REPLACE SIDEWALK, S.C.D	
		D2.09 AC/ CONCRETE PAVING TO BE DEMOLISHED AND REGRADE. S.C.D	
		(E) AC/ CONCRETE/TURF/ PLANTING TO BE REMOVED FOR U/G UTILITY TRENCHING, S.C.D	
		D2.12(E) WHEEL STOP TO BE REMOVEDD2.13REMOVE AND RELOCATE (E) SIGN WITHIN SAME LANDSCAPE AREA	
		(32.01) CONCRETE CURB, S.C.D	
		32.02 CONCRETE PAVING. S.C.D	
		32.034" STRIPING, PAINT WHITE, TYP32.04LANDSCAPE FURNISHINGS TYP, S.L.P	
		32.05 NEW CONCRETE WHEEL STOP (9 TOTAL)	
		_	
		WALL LEGEND	
			NOT
		$\begin{array}{c} + & + & + \\ + & + & + \\ + & + & + \\ \end{array}$ AREA CONCRETE SIDEWALK DEMOLITION, SEE CIVIL DRAWINGS FOR COMPLETE AREA OF WORK.	
			This doc
			Architect
		(N) CONCRETE PAVING, SCD	
		(N) LANDSCAPE AREA, SLD	
			HY Arch
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IF THIS SHEET IS NOT 30"x42" , IT IS

A REDUCED PRINT SCALE ACCORDINGLY





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CB RIM=10.74

GENERAL NOTES:

- 1. AN ENCROACHMENT PERMIT WILL BE REQUIRED FOR ANY WORK IN THE CITY RIGHT OF WAY. NO WORK SHALL START UNTIL NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF SAN RAFAEL.
- 2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. IN THE EVENT OF A DISCREPANCY OR CONFLICT WITH INFORMATION SHOWN ON THESE PLANS IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER IMMEDIATELY.
- 3. CONTRACTORS SHALL CALL "UNDERGROUND SERVICE ALERT" AT 811 AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION FOR LOCATING UNDERGROUND UTILITIES.
- 4. THE LOCATIONS OF UNDERGROUND IMPROVEMENTS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THE PLANS MAY NOT INCLUDE ALL EXISTING UTILITIES AND THAT THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR OBSTRUCTIONS THAT MAY BE ENCOUNTERED.
- 5. PROTECT THE PUBLIC FROM OPEN EXCAVATIONS AND TRENCHES. AT NO TIME SHALL AN EXCAVATION OR TRENCH BE UNATTENDED WITHOUT PROPER PLATING OR SAFETY FENCING BARRICADES IN PLACE. AT THE END OF THE WORK DAY, INSPECT ALL EXCAVATION AND TRENCH PLATING AND SAFETY FENCING/BARRICADES TO ENSURE THEY ARE PROPERLY FUNCTIONING.
- 6. CONTRACTOR SHALL HOLD HARMLESS THE SCHOOL DISTRICT, HIS AUTHORIZED REPRESENTATIVES AND THE CITY FROM ALL LIABILITIES AND DAMAGES RESULTING FROM HIS CONSTRUCTION OPERATIONS.
- 7. ALL THE IMPROVEMENTS SHALL BE CONSTRUCTED TO THE LINES AND GRADES SHOWN ON THE APPROVED PLANS.
- 8. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR FINAL GRADE OF CONCRETE UNLESS THEY HAVE CHECKED FORMS PRIOR TO POURING.
- 9. CONTRACTOR SHALL NOTIFY ENGINEER 72 HOURS PRIOR TO ANY NEED FOR CONSTRUCTION STAKING.
- 10. THE REMOVAL OF OBSTRUCTIONS (TREES, SIGNS, ETC.) SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 11. MATERIAL SPILLS ON PUBLIC STREETS AND SILTATION OF DOWN STREAM STORM DRAIN FACILITIES DUE TO THIS PROJECT SHALL BE REMOVED BY THE CONTRACTOR.
- 12. ALL CONSTRUCTION OR RELATED PROJECT MATERIAL AND FLUID SHALL BE CAREFULLY STORED OR REMOVED OFF SITE TO PREVENT DAMAGE TO NATIVE VEGETATION AND ASSOCIATED WILDLIFE.
- 13. ALL EXCAVATIONS SHALL BE SHORED AND BRACED ACCORDING TO OSHA REGULATIONS.
- 14. SITE STORM DRAIN PIPE SHALL BE DUAL WALL HDPE PIPE AND CONNECTED WATERTIGHT AS PER MANUFACTURER'S RECOMMENDATIONS. FLEXIBLE PIPE IS NOT PERMITTED.
- 15. COMPACTION TESTING IS TO BE PROVIDED BY THE GEOTECHNICAL ENGINEER AS NECESSARY.

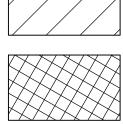
EXISTING CONTOURS

DEMOLISH EXISTING CURB

LEGEND

_____12 _____ . |. |. |. |. |. |.

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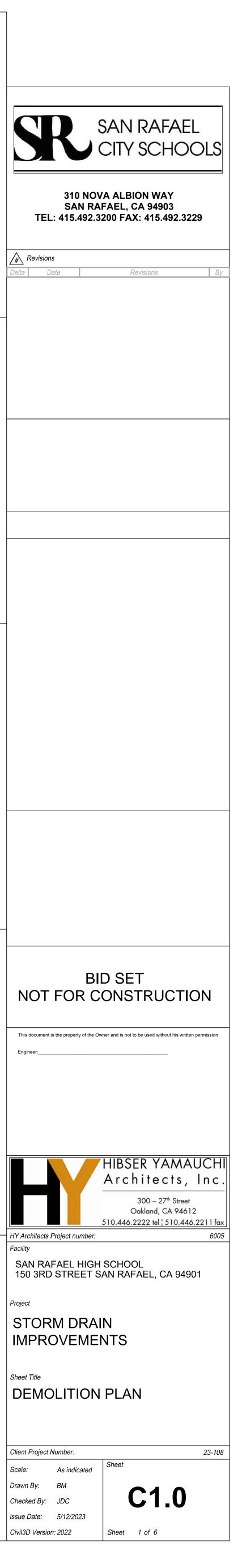


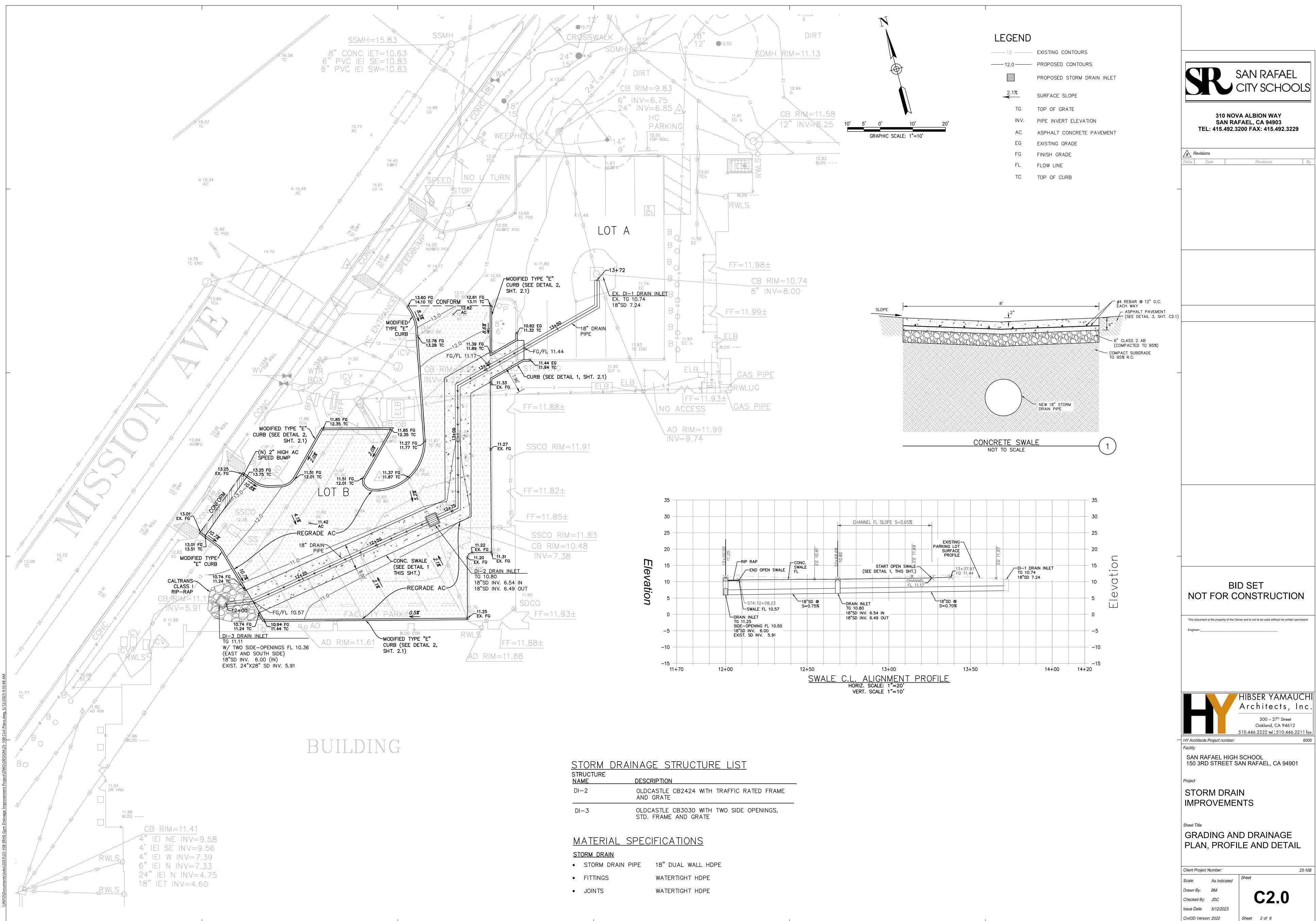
DEMOLISH EXISTING CONC. SIDEWALK AND CLEAR LANDSCAPE AREA

GRIND EXISTING AC PAVEMENT TO

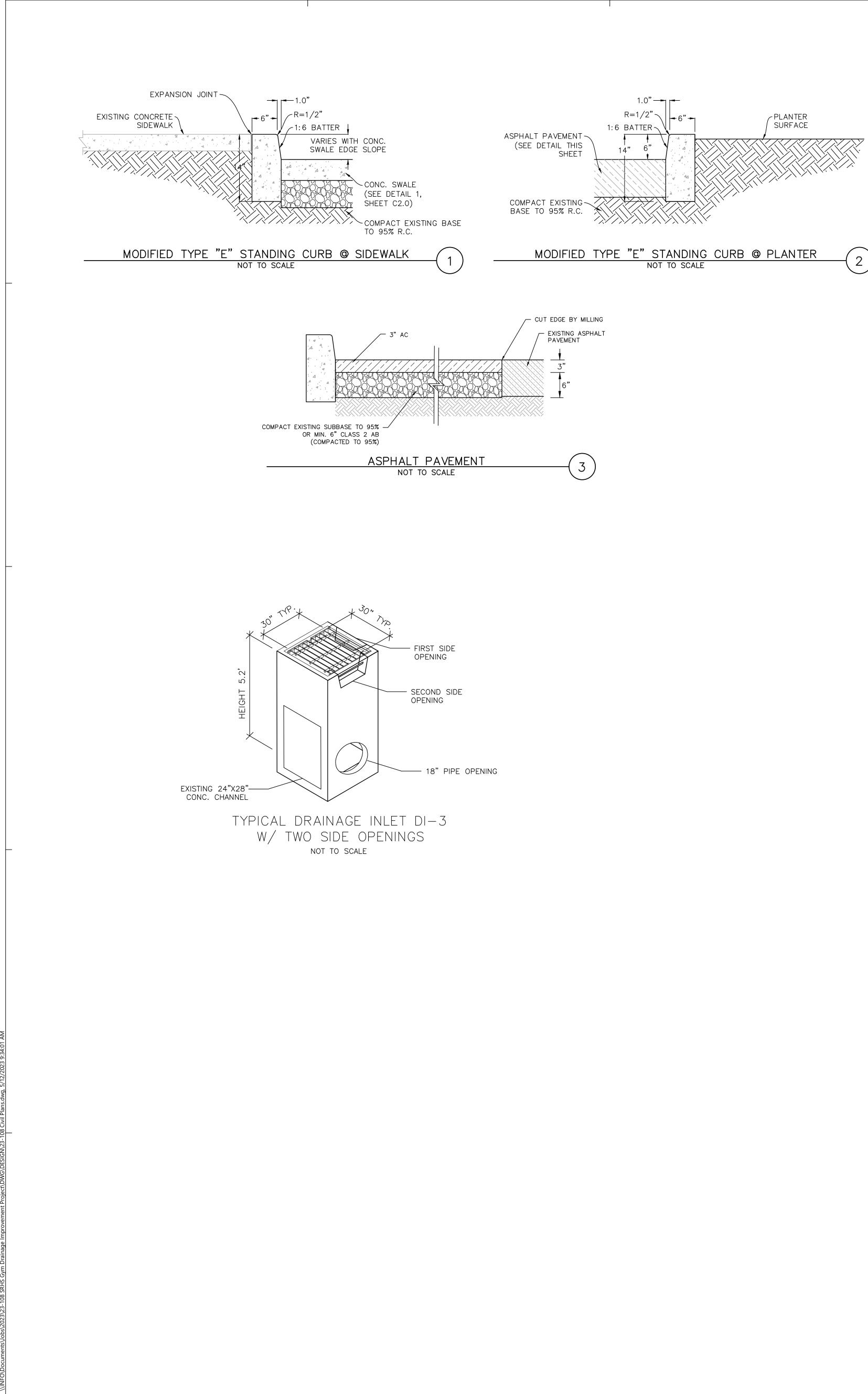
GROUT EXISTING STORM DRAIN PIPE

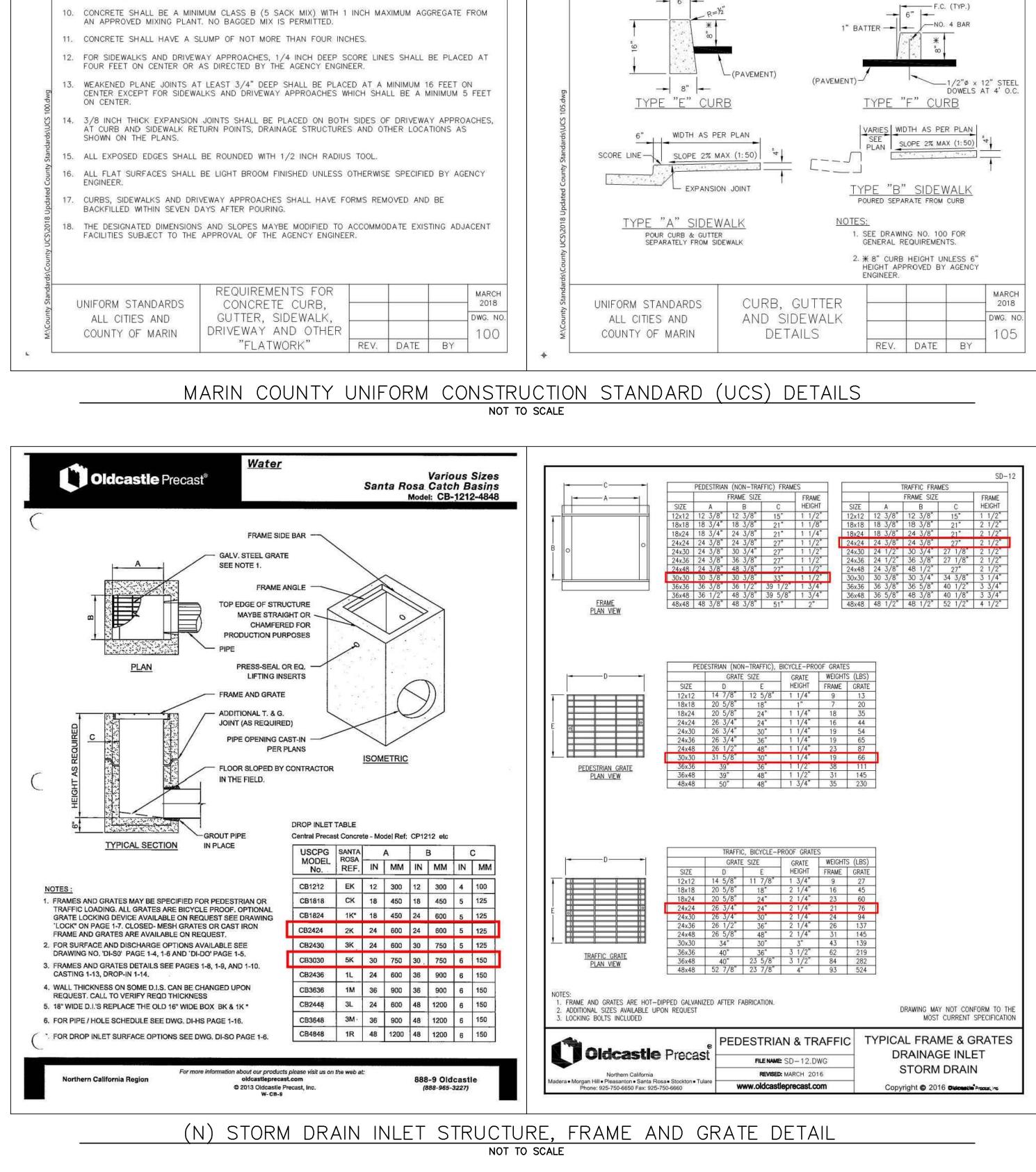
PREPARE SURFACE FOR NEW AC OVERLAY





NAME	DESCRIPTION
DI-2	OLDCASTLE CB2424 WITH TRAFFIC RATED FRA AND GRATE
DI-3	OLDCASTLE CB3030 WITH TWO SIDE OPENINGS, STD FRAME AND GRATE





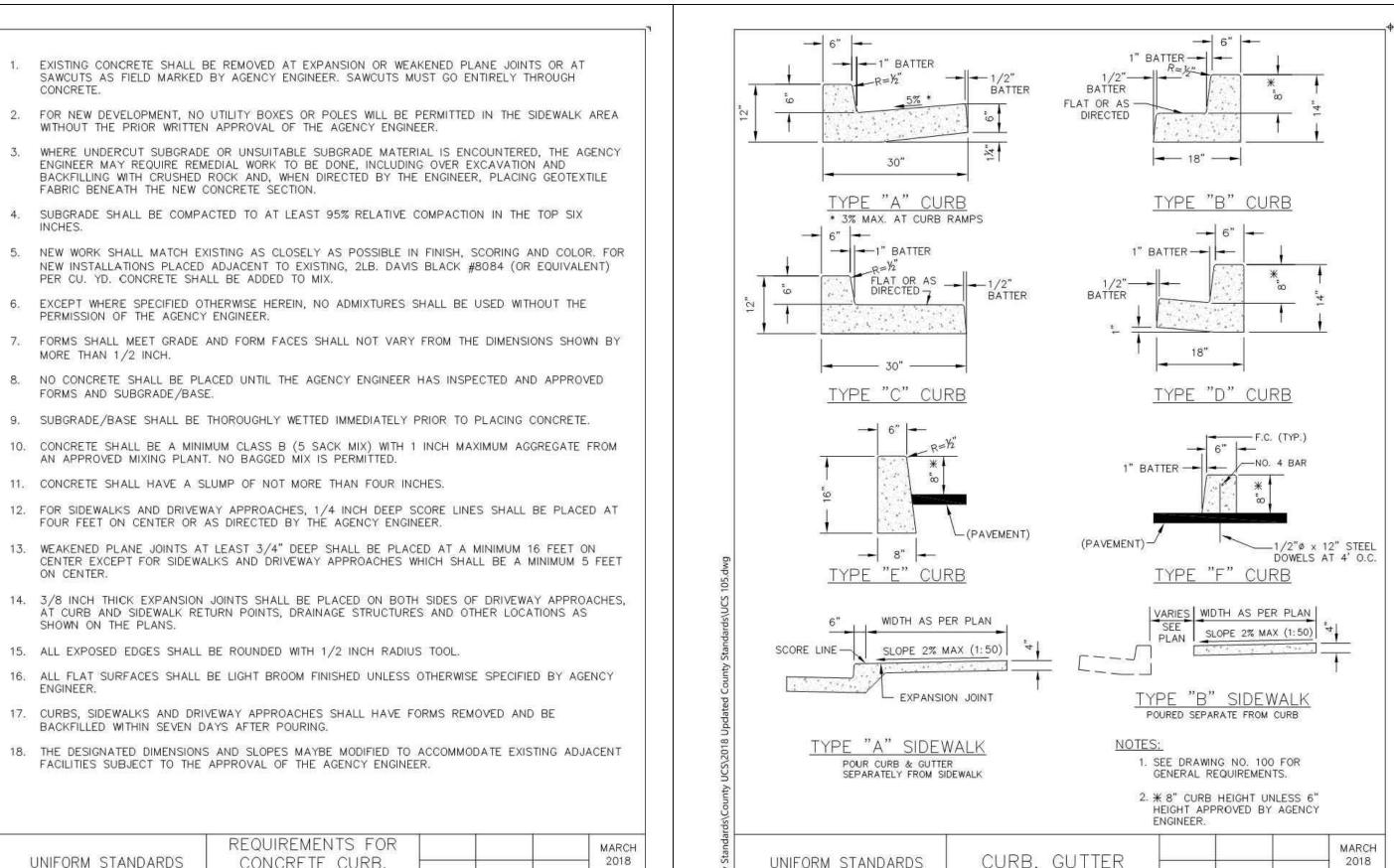
CONCRETE.

INCHES.

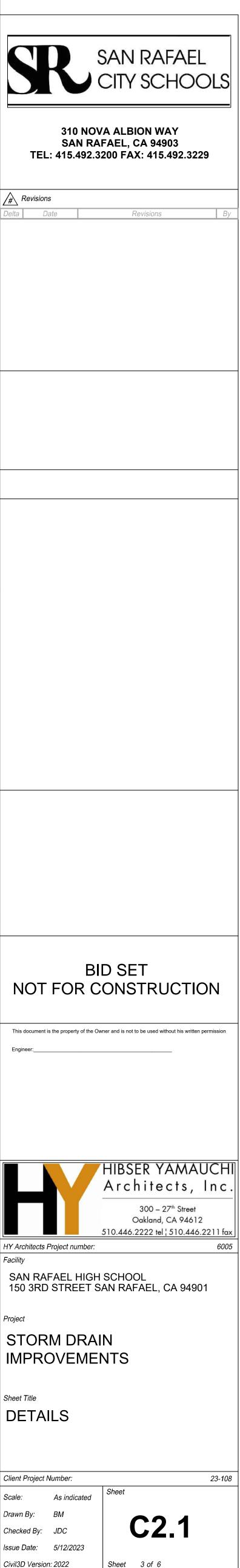
PERMISSION OF THE AGENCY ENGINEER.

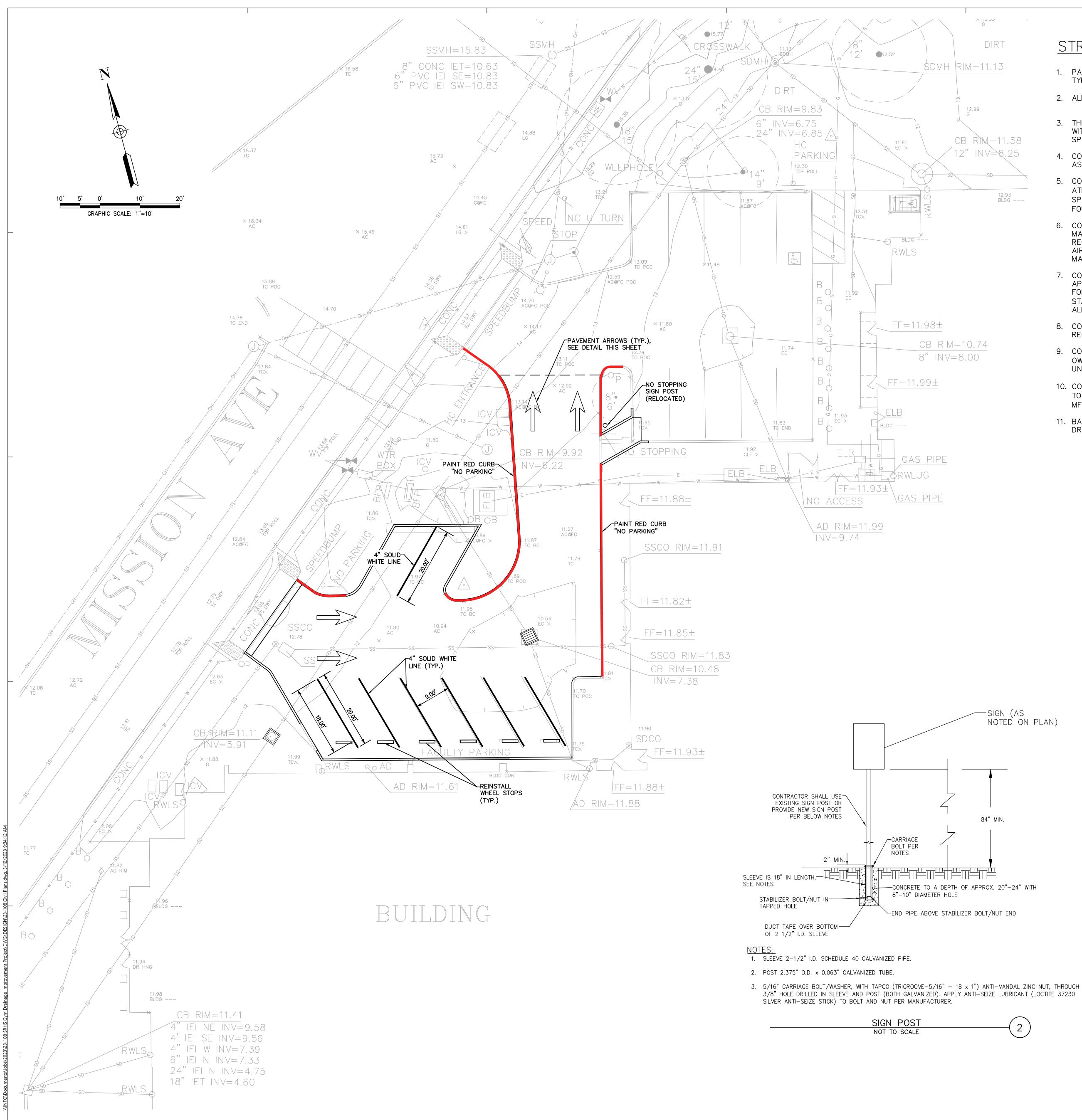
MORE THAN 1/2 INCH.

FORMS AND SUBGRADE/BASE.



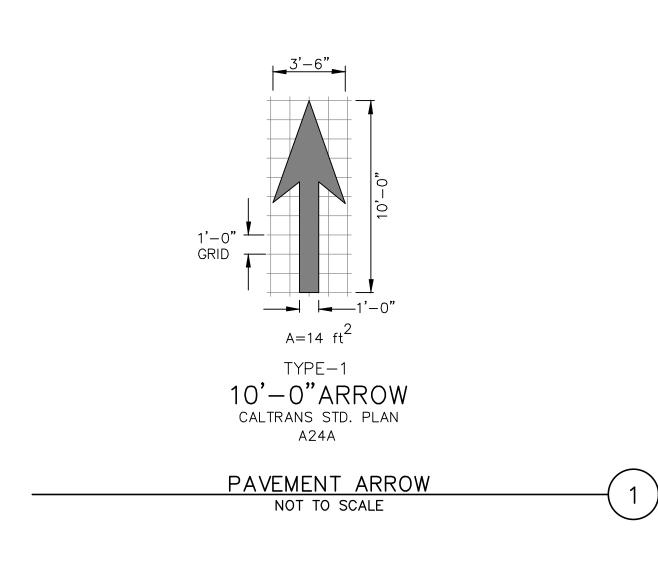
Sheet 3 of 6





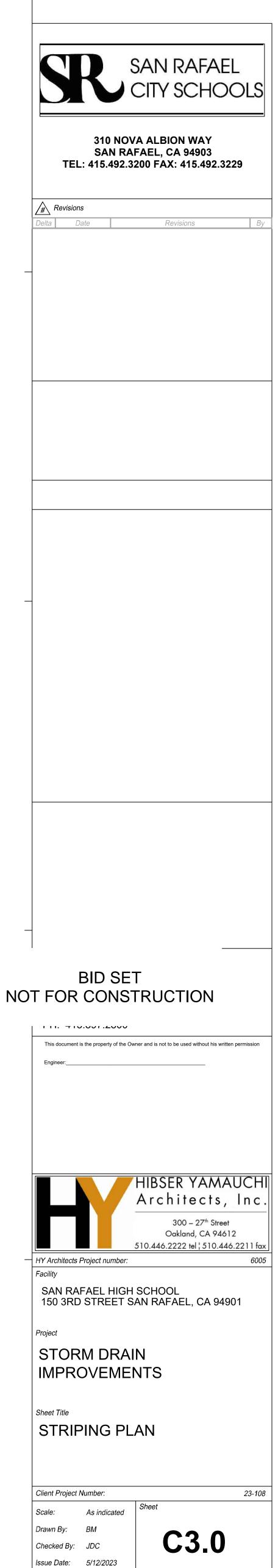
STRIPING NOTES

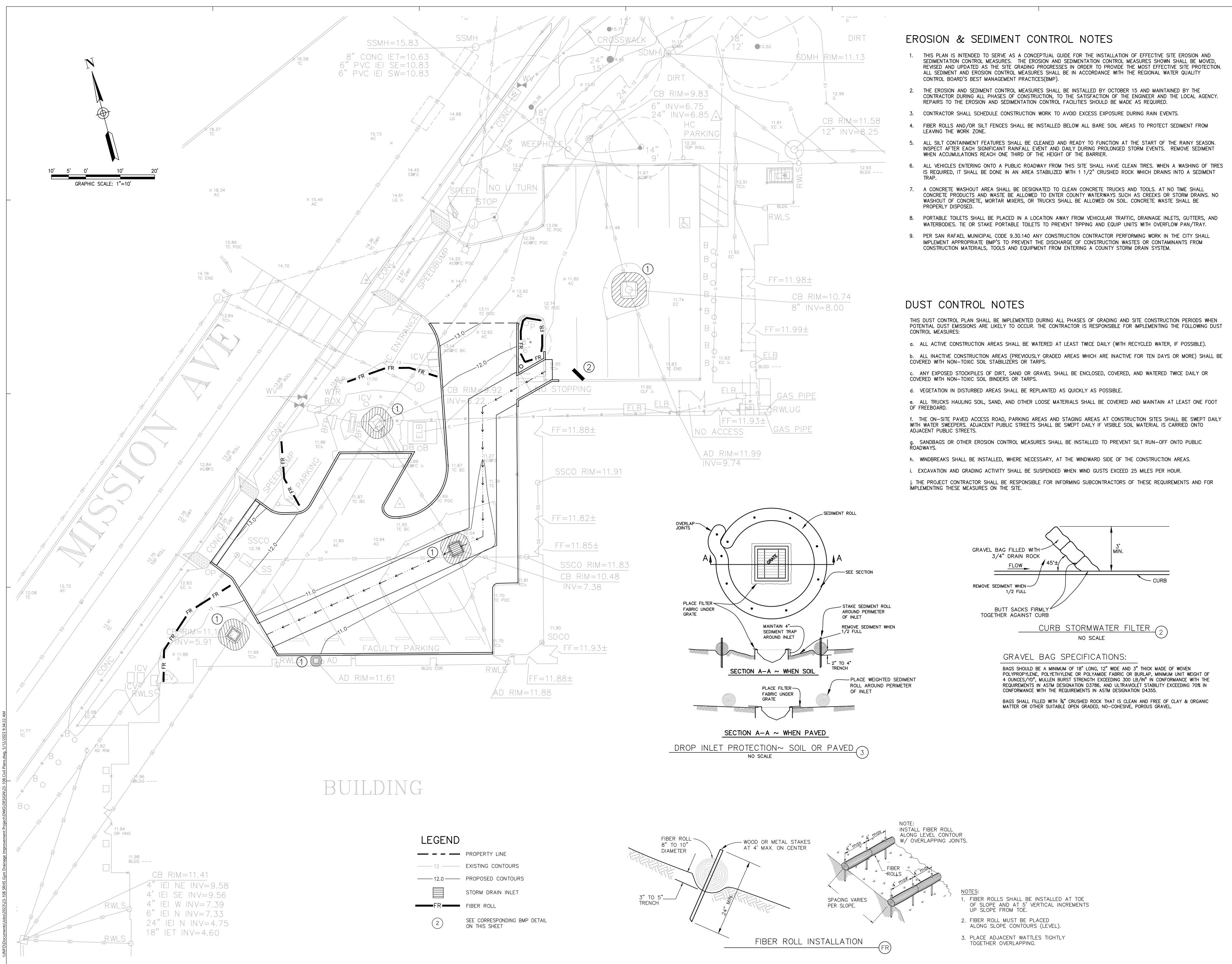
- 1. PARKING STALL AISLES TO BE STRIPED WITH FOUR (4) INCH WIDE WHITE STRIPES, TYPICAL.
- 2. ALL PARKING STALL STRIPING IS TO BE NINE (9) FEET WIDE CENTER-TO-CENTER.
- 3. THE COMPLETED PAVEMENT MARKINGS SHALL HAVE CLEAN AND WELL-DEFINED EDGES WITHOUT RUNNING OR DEFORMATION AND SHALL CONFORM TO THE DIMENSIONS SPECIFIED, EXCEPT THAT MINOR VARIATIONS MAY BE ACCEPTED BY THE ENGINEER.
- 4. CONTRACTOR TO PROVIDE CONTRACTOR GRADE ACRYLIC, STRIPING PAINT FOR NEW ASPHALT OR COATED ASPHALT.
- 5. CONTRACTOR SHALL APPLY MARKING PAINT IN DRY WEATHER WHEN PAVEMENT AND ATMOSPHERIC TEMPERATURES ARE FIFTY (50) DEGREES F. OR ABOVE (OR MFG. SPECIFICATION) AND ARE ANTICIPATED TO REMAIN ABOVE FIFTY (50) DEGREES F. FOR FOUR (4) HOURS AFTER COMPLETING APPLICATION.
- 6. CONTRACTOR SHALL USE EITHER A COMMERCIAL COMPRESSED AIR SPRAY STRIPING MACHINE CAPABLE OF APPLYING AN EVEN COATING AT THE MANUFACTURER'S RECOMMENDED THICKNESS IN AN EVEN WIDTH ACROSS THE STRIPE OR A COMMERCIAL AIRLESS SPRAY STRIPING MACHINE CAPABLE OF APPLYING AN EVEN COATING AT THE MANUFACTURER'S RECOMMENDED THICKNESS IN AN EVEN WIDTH ACROSS THE STRIPE.
- 7. CONTRACTOR TO PROVIDE QUALIFIED TECHNICIAN TO SUPERVISE EQUIPMENT AND APPLICATION OF MARKING. LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED.
- 8. CONTRACTOR TO PROTECT ADJACENT CURBS, WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.
- 9. CONTRACTOR TO VERIFY THAT ANY NEW PAVEMENT COATING HAS BEEN ACCEPTED BY OWNER'S REPRESENTATIVE AND HAS CURED A MINIMUM OF TWENTY FOUR (24) HOURS UNDER GOOD DRYING CONDITIONS.
- 10. CONTRACTOR SHALL APPLY MARKING PAINT AT A RATE OF ONE (1) GALLON PER THREE TO FOUR HUNDRED (300-400) LINEAL FEET OF FOUR (4) INCH WIDE STRIPES. (OR TO MFG. SPECIFICATION)
- 11. BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.

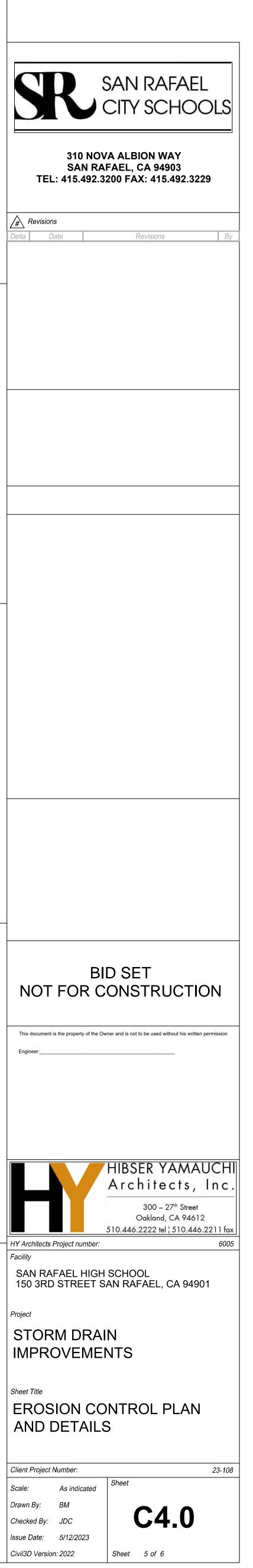


Civil3D Version: 2022

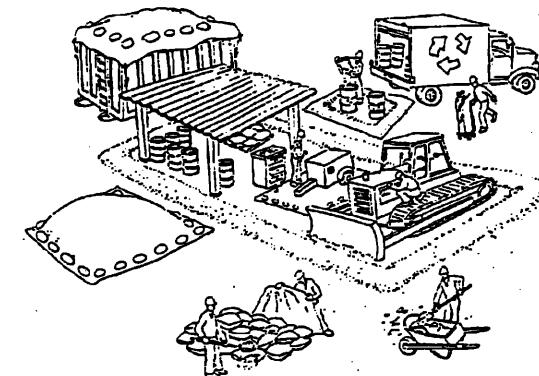
Sheet 4 of 6







City of San Rafael Pollution Prevention — It's Part of the Plan Make sure your crews and subs do the job right!



Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- Use (but don't overuse) reclaimed water for dust control as needed. ✓ Sweep streets and other paved areas daily. Do not wash down streets or work
- areas with water Recycle all asphalt, concrete, and aggregate base material from demolition
- activities.
- Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly.

Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with City, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately! Call City of San Rafael Fire Department, (415)485-3308

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with City of San Rafael ordinance requirements.

Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinsewater to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use hay bales, silt fences, or other control measures to minimize the flow of silt off the site.



- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all control measures necessary to prevent erosion.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fastgrowing grasses as soon as possible. Place hay bales down-slope until soil is secure.
- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Fire Dept., (415) 485-3308, for help in determining what testing should be done.
- ✓ Manage disposal of contaminated soil according to Fire Department instructions.

Dewatering operations

- Reuse water for dust control, irrigation or another on-site purpose to the greatest extent possible.
- ✓ Be sure to call the City's Stormwater Manager before discharging water to a street, gutter, or storm drain. Call the Stormwater Manager at (415) 485-3435. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the City Fire Dept. to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

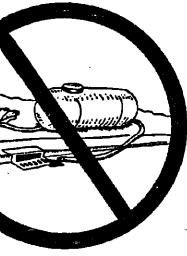
- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, hay bales, sand bags, or fine gravel dams to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

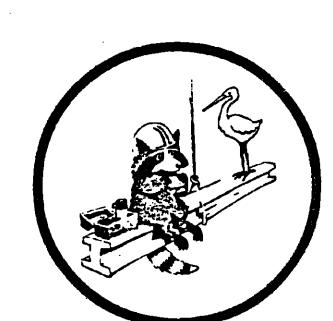


- ✓ Do not pave during wet weather or when rain is forecast.
- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with hay bales, sand bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return
- it to the stockpile, or dispose of it as trash. ✓ Do not use water to wash down fresh asphalt concrete pavement.

Storm drain polluters may be liable for fines of up to \$500 per day!



Place drip pans or absorbent material under paving equipment when not in use.



City of San Rafael Storm Water Program (415) 485-3435

Concrete, grout, and mortar storage & waste disposal

- ✓ Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or designate an on-site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.



Painting

- ✓ Never rinse paint brushes or materials in a gutter or street! ✓ Paint out excess water-based
- paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area and spade it in.

✓ If a suitable dirt area is not

water and remove it for

✓ Divert water from washing

available, collect the wash

appropriate disposal off site.

exposed aggregate concrete

to a dirt area where it will

not run into a gutter, street, or storm drain. If a suitable

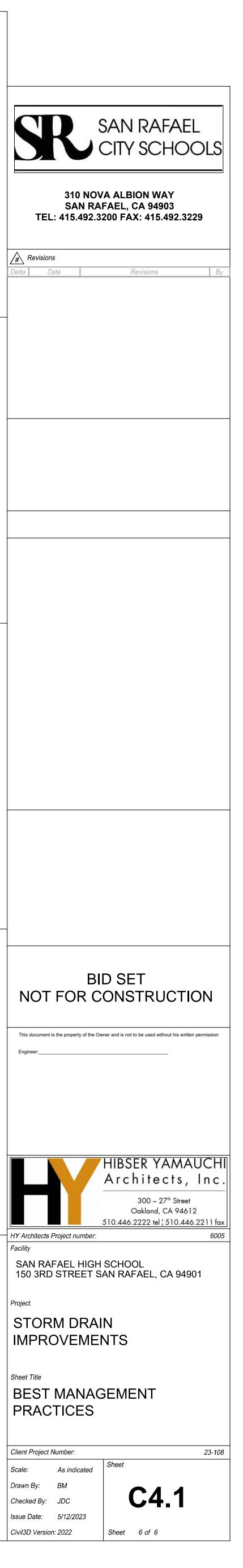
dirt area is not available, filter

the wash water through hay

bales before discharging to

a storm drain.

- ✓ Paint out excess oil-based paint before cleaning brushes in thinner. ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



PLANTING NOTES

1/16" = 1'-0"

50'

GENERAL

0 5'

GRAPHIC SCALES:

- 1. ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH PLANTING WORK AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN.
- ALL QUANTITIES AND PLANT COUNTS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. IN CASE OF DISCREPANCIES, THE PLAN SHALL GOVERN.
- 3. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE SUBSTITUTIONS. ADDITIONS. AND DELETIONS IN THE PLANTING SCHEME AS THEY FEEL NECESSARY WHILE WORK IS IN PROGRESS, UPON APPROVAL BY THE OWNER. SUCH CHANGES ARE TO BE ACCOMPANIED BY EQUITABLE ADJUSTMENTS IN THE CONTRACT PRICE, WHEN NECESSARY.

0 5'

- 4. PLANT MATERIAL LOCATIONS SHOWN ARE DIAGRAMMATIC AND MAY BE SUBJECT TO CHANGE IN THE FIELD BY THE LANDSCAPE ARCHITECT. PLANT LOCATIONS ARE TO BE ADJUSTED IN THE FIELD AS NECESSARY TO SCREEN UTILITIES, BUT SHALL NOT BLOCK WINDOWS, BLOCK SIGNS NOR IMPEDE ACCESS.
- 5. THE DESIGN INTENT OF THE PLANTING PLAN IS TO ESTABLISH AN ATTRACTIVE MATURE LANDSCAPE APPEARANCE. FUTURE PLANT GROWTH WILL NECESSITATE TRIMMING, SHAPING, AND IN SOME CASE REMOVAL OF TREES AND SHRUBS AS AN ON-GOING MAINTENANCE PROCEDURE.
- 6. ALL PLANTING AREA MUST BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEM. IRRIGATION SYSTEM SHALL BE FULLY AUTOMATED AND OPERATIONAL WITH FULL COVERAGE PRIOR TO PLANTING.
- CONTRACTOR TO REVIEW ALL EXISTING, PROPOSED, & AS BUILT UTILITY PLANS PRIOR TO CONSTRUCTION. CONTRACTOR TO TAKE PRECAUTIONS IN EXCAVATION OF ALL TREE PLANTING PITS. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS FOUND DURING CONSTRUCTION.
- 8. CONTRACTOR MUST REVIEW ALL PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION AND MAINTAIN THE FOLLOWING CLEARANCES FOR ALL TREE PLANTINGS. CONTRACTOR TO TAKE PRECAUTION IN ALL EXCAVATION ACTIVITY. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION. FIRE HYDRANTS AND PIVS: 5' MINIMUM
 - LIGHT POLES: 15' MINIMUM UTILITIES: 5' MINIMUM
 - BUILDING ROOF EDGE: 5' MINIMUM
- CONTRACTOR TO PROVIDE AND ARRANGE FOR PLANT MATERIAL THRU CONTRACT GROW, 9 PLANT BROKERS, OR DIRECT PURCHASE AS REQUIRED FOR THE FULL IMPLEMENTATION OF THE PROJECTS PLANTING PLAN. CONTRACTOR MUST SUBMIT WITHIN 30 DAYS AFTER AWARD OF A BID A DETAILED NURSERY LIST OF SECURED PLANT MATERIAL, CONTRACT GROW PLANT MATERIAL, AND ANY SUBSTITUTION REQUESTS. CONTRACTOR SHALL ARRANGE AND SECURE ALL PLANT MATERIAL WITHIN 30 DAYS OF BID. UPON DELIVERY, PLANT MATERIAL THAT DOES NOT MEET NURSERY STANDARDS, IS ROOTBOUND, OF POOR QUALITY & HEALTH, SUBSTANDARD SIZE, AND / OR IS NOT APPROVED BY THE LANDSCAPE ARCHITECT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. MATERIAL WHICH IS NOT SECURED AND IS UNAVAILABLE IN THE SIZE SPECIFIED SHALL BE UP-SIZED, IF AVAILABLE. ALL REPLACEMENT MATERIAL, SUBSTITUTIONS OR UP-SIZED PLANT MATERIAL MUST BE PROVIDED AS REQUIRED FOR THE FULL IMPLEMENTATION OF THE PLANTING PLAN AT NO ADDITIONAL COST TO THE CONTRACT AND OWNER.
- 10. PROCUREMENT OF PLANT MATERIAL SHALL NOT BE LIMITED TO NORTHERN CALIFORNIA. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRUCKING, INSPECTIONS, AND INCIDENTALS FOR PROVIDING PLANT MATERIAL FROM SOURCES OUT OF STATE AS REQUIRED BY THE PROJECT PLANTING PLAN.

EXISTING PLANT MATERIAL

- 1. ALL EXISTING PLANT MATERIAL OR TREES TO REMAIN MUST BE PROTECTED AND MAINTAINED IN PLACE BY THE CONTRACTOR.
- 2. ANY DAMAGED MATERIAL MUST BE FULLY REPLACED TO MATCH EXISTING BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT AND OWNER.
- CONTRACTOR MUST MAINTAIN ANY EXISTING IRRIGATION SYSTEMS OR PROVIDE 3. TEMPORARY IRRIGATION SYSTEMS AS REQUIRED TO ALL EXISTING PLANTING AREAS TO REMAIN.

SOILS

- THE CONTRACTOR MUST PROVIDE AN AGRICULTURAL SUITABILITIES ANALYSIS FOR ALL SOILS EXISTING AND IMPORTED INCLUDING BUT NOT LIMITED TO: EXISTING ON-SITE SOILS, IMPORTED TOPSOIL, LIME TREATED AREAS, AND ALL AMMENDMENTS. RECOMMENDATIONS FOR AMENDMENTS CONTAINED IN THIS ANALYSIS ARE TO BE CARRIED OUT BEFORE PLANTING OCCURS. PROVIDE 2 TESTS AT 6" DEPTH AND 2 TESTS AT 24" DEPTH THROUGHOUT THE SITE. PROVIDE ADDITIONAL TESTING (ONE 6" AND ONE 24" DEPTH TEST PER 25,000 SF FOR AREAS WHICH WERE LIME TREATED). EACH TEST SAMPLE SHALL CONTAIN 3 REPRESENTATIVE SOIL SAMPLES. ALL LIMÉ TREATED PLANTING AREAS SHALL BE REMOVED AND REPLACED WITH IMPORT TOP SOIL AT NO COST TO THE OWNER. ALL TESTING SHALL BE PAID FOR BY THE CONTRACTOR. FOR BID PURPOSES AMEND ALL SOIL WITH 6 YARDS OMRI COMPOST 50LBS GYPSUM AND 100LBS OF GRO-POWER PLUS 5-3-1 W/ M PER 1000SF. CONTRACTOR TO SUBMIT ALL DELIVERY TICKETS FOR COMPOST AND FERTILIZERS FOR VERIFICATION.
- ALL SOILS IMPORTED ONTO THE SITE FOR ANY PURPOSE SUCH AS GRADING, NON EXPANSIVE FILL, FILL, OR FOR ANY GENERAL PURPOSE MUST BE TESTED FOR PLANT SUITABILITY PRIOR TO PLACEMENT. ALL IMPORT SOILS SHALL BE NON-DETRIMENTAL TO PLANT MATERIAL AND SOILS ANALYSIS SUBMITTED TO THE LANDSCAPE ARCHITECT FOR

PLANT LIST

BOTANICAL NAME COMMON NAME <u>WATER USE</u> <u>SPACING</u> <u>SPACING</u> <u>QTY</u> <u>SHRUBS</u> <u>SIZE</u> 5 GAL 36" O.C. 36" o.c. 16 DG DIETES GRANDIFLORA FORTNIGHT LILY LOMANDRA LONGIFOLIA 'BREEZE' 5 GAL L 48" O.C. 48" o.c. 17 BREEZE ™ MAT RUSH SALVIA X SYLVESTRIS 'LITTLE NIGHT' LITTLE NIGHT MEADOW SAGE 5 GAL L 30" O.C. 18" o.c. 22

REVIEW AND APPROVAL. PROVIDE 1 TEST PER 500 CY OF MATERIAL. SOIL IS TO BE AMENDED, AT THE RATE INDICATED BY THE SOIL ANALYSIS, TO BRING THE SOIL ORGANIC MATTER CONTENT TO A MINIMUM OF 3.5% BY DRY WEIGHT, AND A

1/4" = 1'-0"

0 1'

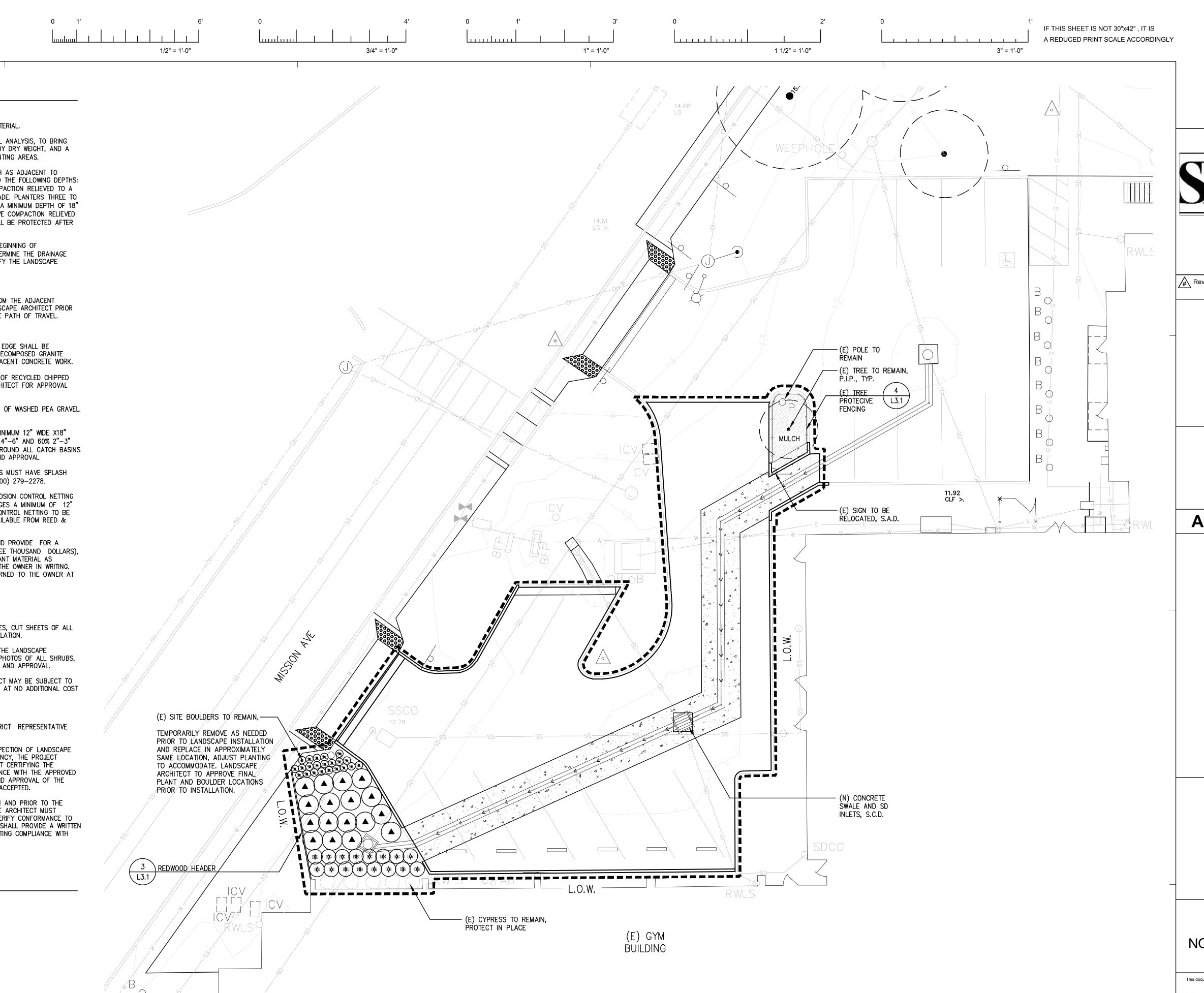
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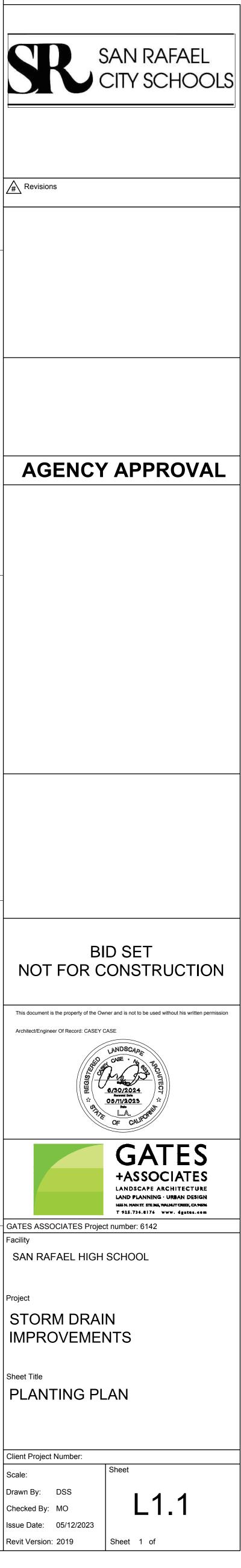
1/8" = 1'-0"

- MINIMUM OF 2" OF QUALITY RECYCLED COMPOST, ON ALL PLANTING AREAS. 5. ALL PLANTERS IN AREAS WHICH HAVE BEEN COMPACTED, SUCH AS ADJACENT TO
- BUILDINGS AND IN PARKING LOTS, SHALL BE CROSS RIPPED TO THE FOLLOWING DEPTHS: PLANTERS LESS THAN THREE (3) FEET WIDE SHALL HAVE COMPACTION RELIEVED TO A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES BELOW SUBGRADE. PLANTERS THREE TO TEN (3-10) FEET WIDE MUST HAVE COMPACTION RELIEVED TO A MINIMUM DEPTH OF 18" BELOW SUBGRADE, PLANTERS MORE THAN 10' WIDE SHALL HAVE COMPACTION RELIEVED TO A MINIMUM DEPTH OF 12" BELOW SUBGRADE. AREAS SHALL BE PROTECTED AFTER DECOMPACTION.
- CONTRACTOR SHALL PERFORM A PERCOLATION TEST AT THE BEGINNING OF 6. CONSTRUCTION AT 1 LOCATION PER ACRE (MAX OF 4) TO DETERMINE THE DRAINAGE CAPACITY OF THE EXISTING SITE SOIL FOR TREE HEALTH. NOTIFY THE LANDSCAPE ARCHITECT IF DRAINAGE IS LESS THAN 2" PER HOUR.

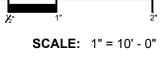
SHRUBS

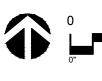
- SHRUBS AND PERENNIALS MUST HAVE ADEQUATE SETBACK FROM THE ADJACENT SIDEWALK AND EDGES OF PARKING LOT CURBS. NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF PLANT MATERIAL MAY PROTRUDE INTO THE PATH OF TRAVEL. ACCESSORIES
- ALL PLANTING NOT BOUNDED BY CONCRETE OR A HARDSCAPE EDGE SHALL BE COMPLETELY SURROUNDED BY HEADERS. ALL ASPHALT AND DECOMPOSED GRANITE AREAS TO BE COMPLETELY SURROUNDED BY HEADERS OR ADJACENT CONCRETE WORK.
- ALL PLANTING AREAS MUST BE TOP-DRESSED WITH 3" LAYER OF RECYCLED CHIPPED MULCH. COLOR: BROWN. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
- ALL MULCH WITHIN STORMWATER PLANTING AREAS MUST BE 3" OF WASHED PEA GRAVEL. SUBMIT SAMPLE FOR REVIEW AND APPROVAL.
- 4. ALL STORMWATER CURB CUTS MUST BE REINFORCED WITH A MINIMUM 12" WIDE X18" LONG X 6" DEEP BAND OF COBBLE. COBBLE SHALL BE 40% 4"-6" AND 60% 2"-3" NOIYO COBBLE. PROVIDE 24" WIDE BY 6" DEPTH OF COBBLE AROUND ALL CATCH BASINS LOCATED IN DRAINAGE AREAS. SUBMIT SAMPLE FOR REVIEW AND APPROVAL
- ALL RAINWATER LEADERS DISCHARGING INTO LANDSCAPE AREAS MUST HAVE SPLASH BLOCKS. MODEL: CDI 16X24". COLOR: TO MATCH PAVING. (800) 279-2278.
- 6. ALL SLOPES GREATER THAN 2.5:1 MUST BE COVERED WITH EROSION CONTROL NETTING PER THE MANUFACTURER'S SPECIFICATIONS. OVERLAP ALL EDGES A MINIMUM OF 12" AND SECURE AS REQUIRED WITH METAL STAPLES. EROSION CONTROL NETTING TO BE WESTERN EXCELSIOR, EXCEL CS-3 OR APPROVED EQUAL. AVAILABLE FROM REED & GRAHAM 888-381-0800.
- 7. THE LANDSCAPE CONTRACTOR SHALL AS A PART OF THIS BID PROVIDE FOR A PLANTING ALLOWANCE FOR THE AMOUNT OF \$3,000.00 (THREE THOUSAND DOLLARS), TO BE USED FOR SUPPLYING AND INSTALLING ADDITIONAL PLANT MATERIAL AS DIRECTED BY THE LANDSCAPE ARCHITECT AND APPROVED BY THE OWNER IN WRITING. THE UNUSED PORTION OF THE ALLOWANCE SHALL BE RETURNED TO THE OWNER AT THE BEGINNING OF THE MAINTENANCE PERIOD.
- 8. SEE SPECIFICATIONS FOR ALL FERTILIZER REQUIREMENTS SUBMITTALS
- CONTRACTOR MUST SUBMIT ALL TESTS, PRODUCTS, ACCESSORIES, CUT SHEETS OF ALL ITEMS SPECIFIED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 2. ALL PLANT MATERIAL MUST BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY. CONTRACTOR SHALL SUBMIT PHOTOS OF ALL SHRUBS. GROUND COVERS, VINES, AND TREES FOR PRELIMINARY REVIEW AND APPROVAL.
- PLANT MATERIAL NOT APPROVED BY THE LANDSCAPE ARCHITECT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT WITH APPROVED PLANT MATERIAL AT NO ADDITIONAL COST TO THE CONTRACT OR OWNER.
- DISTRICT REQUIREMENTS ALL PLANT MATERIAL TO BE INSPECTED & APPROVED BY DISTRICT REPRESENTATIVE
- AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTACT THE PROJECT LANDSCAPE ARCHITECT FOR FINAL INSPECTION OF LANDSCAPE AND IRRIGATION. PRIOR TO RELEASE OF BUILDING FOR OCCUPANCY. THE PROJECT LANDSCAPE ARCHITECT WILL SUBMIT A LETTER TO THE DISTRICT CERTIFYING THE
- PLANTING AND IRRIGATION HAS BEEN INSTALLED IN CONFORMANCE WITH THE APPROVED PLANTING AND IRRIGATION PLANS, SUBJECT TO THE REVIEW AND APPROVAL OF THE DISTRICT. SECURITIES IN LIEU OF INSTALLATION WILL NOT BE ACCEPTED. DURING THE INSTALLATION OF LANDSCAPING AND INSTALLATION AND PRIOR TO THE ISSUANCE OF A BUILDING OCCUPANCY PERMIT, THE LANDSCAPE ARCHITECT MUST
- INSPECT AND MONITOR THE INSTALLATION OF MATERIALS TO VERIFY CONFORMANCE TO THESE PLANS. ONCE APPROVED. THE LANDSCAPE ARCHITECT SHALL PROVIDE A WRITTEN LETTER TO DEPARTMENT OF PLANNING AND DEVELOPMENT STATING COMPLIANCE WITH THE APPROVED PLANS.



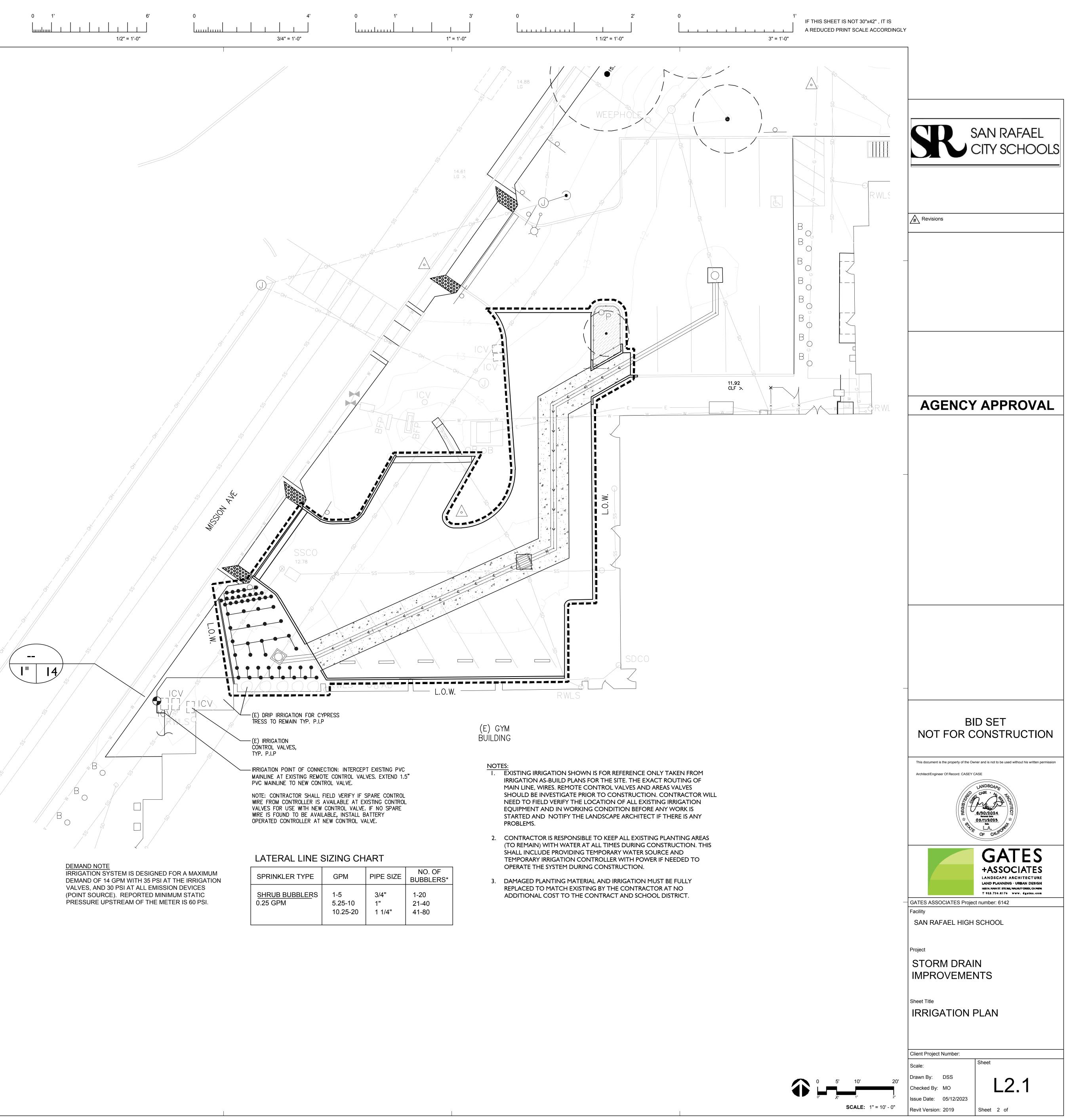


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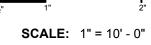


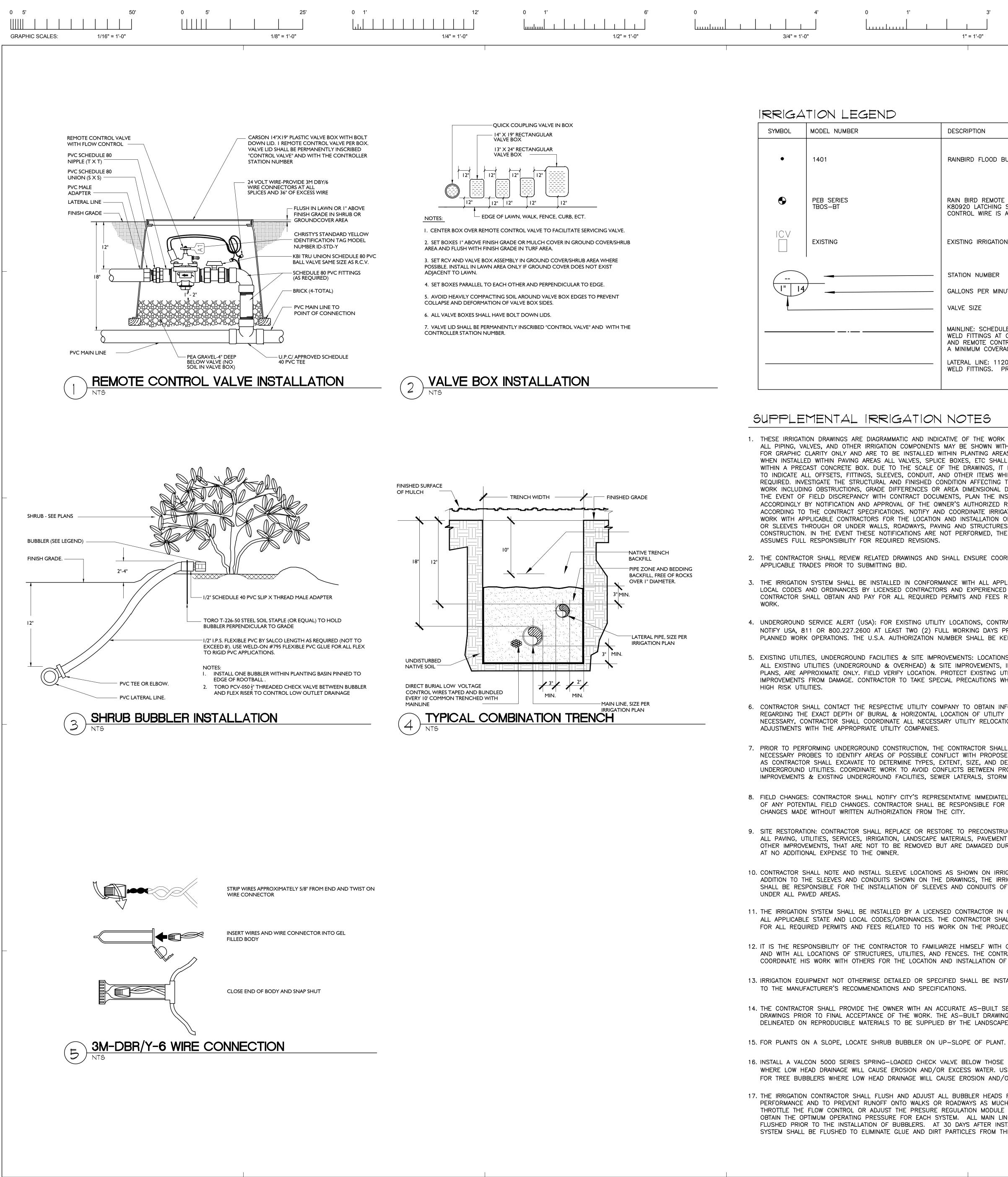


25' 0 1'	12' 1/4" = 1'-0"
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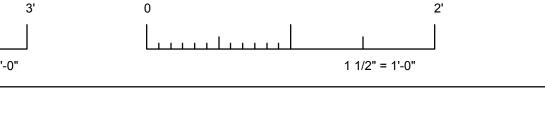
SPRINKLER TYPE	GPM	PIPE SIZE	NO. OF BUBBLERS*
<u>SHRUB BUBBLER</u> S 0.25 GPM	1-5 5.25-10 10.25-20	3/4" 1" 1 1/4"	1-20 21-40 41-80





SYMBOL	MODEL NUMBER	DESCRIPTION	PSI	GPM			
•	1401	RAINBIRD FLOOD BUBBLER ON RISER FOR SHRUBS	30	0.25			
•	PEB SERIES TBOS-BT	RAIN BIRD REMOTE CONTROL VALVE. INCLUDE RAINBIRD BATTERY CON K80920 LATCHING SOLENOID. NOTE: BATTERY CONTROLLER NOT REQ CONTROL WIRE IS AVAILABLE FROM CONTROLLER AT NEW VALVE LOCA	UIRED IF				
	EXISTING	EXISTING IRRIGATION REMOTE CONTROL VALVE					
		STATION NUMBER GALLONS PER MINUTE VALVE SIZE MAINLINE: SCHEDULE 40 PVC PLASTIC PIPE. FITTINGS SHALL BE SCHE WELD FITTINGS AT CHANGES IN DIRECTION OR BRANCH MAINS. CONNE AND REMOTE CONTROL VALVES SHALL BE MADE WITH SCHEDULE 80 A MINIMUM COVERAGE OF 18–INCHES. LATERAL LINE: 1120–SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDUL WELD FITTINGS. PROVIDE FOR A MINIMUM COVERAGE OF 12–INCHES	ECTIONS PVC FITT _E 40 P ¹	BETWEEN TINGS. PF			

- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS WHERE FEASIBLE WHEN INSTALLED WITHIN PAVING AREAS ALL VALVES, SPLICE BOXES, ETC SHALL BE INSTALLED WITHIN A PRECAST CONCRETE BOX. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES, IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR
- 2. THE CONTRACTOR SHALL REVIEW RELATED DRAWINGS AND SHALL ENSURE COORDINATION WITH ALL
- 3. THE IRRIGATION SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES BY LICENSED CONTRACTORS AND EXPERIENCED WORKMEN. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES RELATING TO HIS
- 4. UNDERGROUND SERVICE ALERT (USA): FOR EXISTING UTILITY LOCATIONS, CONTRACTOR SHALL NOTIFY USA, 811 OR 800.227.2600 AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO ALL PLANNED WORK OPERATIONS. THE U.S.A. AUTHORIZATION NUMBER SHALL BE KEPT AT THE SITE.
- 5. EXISTING UTILITIES, UNDERGROUND FACILITIES & SITE IMPROVEMENTS: LOCATIONS & ELEVATIONS OF ALL EXISTING UTILITIES (UNDERGROUND & OVERHEAD) & SITE IMPROVEMENTS, IF SHOWN ON THE PLANS, ARE APPROXIMATE ONLY. FIELD VERIFY LOCATION. PROTECT EXISTING UTILITIES & SITE IMPROVEMENTS FROM DAMAGE. CONTRACTOR TO TAKE SPECIAL PRECAUTIONS WHEN WORKING NEAR
- 6. CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANY TO OBTAIN INFORMATION REGARDING THE EXACT DEPTH OF BURIAL & HORIZONTAL LOCATION OF UTILITY LINES AS NECESSARY, CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY RELOCATIONS &
- PRIOR TO PERFORMING UNDERGROUND CONSTRUCTION, THE CONTRACTOR SHALL MAKE THE NECESSARY PROBES TO IDENTIFY AREAS OF POSSIBLE CONFLICT WITH PROPOSED CONSTRUCTION AS CONTRACTOR SHALL EXCAVATE TO DETERMINE TYPES, EXTENT, SIZE, AND DEPTHS OF UNDERGROUND UTILITIES. COORDINATE WORK TO AVOID CONFLICTS BETWEEN PROPOSED IMPROVEMENTS & EXISTING UNDERGROUND FACILITIES, SEWER LATERALS, STORM DRAINS & WATER
- 8. FIELD CHANGES: CONTRACTOR SHALL NOTIFY CITY'S REPRESENTATIVE IMMEDIATELY UPON DISCOVERY OF ANY POTENTIAL FIELD CHANGES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FIELD
- 9. SITE RESTORATION: CONTRACTOR SHALL REPLACE OR RESTORE TO PRECONSTRUCTION CONDITION ALL PAVING, UTILITIES, SERVICES, IRRIGATION, LANDSCAPE MATERIALS, PAVEMENT DELINEATION & OTHER IMPROVEMENTS, THAT ARE NOT TO BE REMOVED BUT ARE DAMAGED DURING CONSTRUCTION
- 10. CONTRACTOR SHALL NOTE AND INSTALL SLEEVE LOCATIONS AS SHOWN ON IRRIGATION PLANS. IN ADDITION TO THE SLEEVES AND CONDUITS SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SLEEVES AND CONDUITS OF SUFFICIENT SIZE
- 11. THE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED CONTRACTOR IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES/ORDINANCES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES RELATED TO HIS WORK ON THE PROJECT.
- 12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH GRADE DIFFERENCES AND WITH ALL LOCATIONS OF STRUCTURES, UTILITIES, AND FENCES, THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHERS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND
- 13. IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED ACCORDING
- 14. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AN ACCURATE AS-BUILT SET OF IRRIGATION DRAWINGS PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE AS-BUILT DRAWINGS SHALL BE DELINEATED ON REPRODUCIBLE MATERIALS TO BE SUPPLIED BY THE LANDSCAPE ARCHITECT.
- 16. INSTALL A VALCON 5000 SERIES SPRING-LOADED CHECK VALVE BELOW THOSE SHRUB BUBBLERS WHERE LOW HEAD DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER. USE RWS-M-B-C FOR TREE BUBBLERS WHERE LOW HEAD DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.
- 17. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL BUBBLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT RUNOFF ONTO WALKS OR ROADWAYS AS MUCH AS POSSIBLE. THROTTLE THE FLOW CONTROL OR ADJUST THE PRESURE REGULATION MODULE AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM. ALL MAIN LINES SHALL BE FLUSHED PRIOR TO THE INSTALLATION OF BUBBLERS. AT 30 DAYS AFTER INSTALLATION EACH SYSTEM SHALL BE FLUSHED TO ELIMINATE GLUE AND DIRT PARTICLES FROM THE LINES



RADIUS

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3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" . IT IS A REDUCED PRINT SCALE ACCORDINGLY

- 18. PLASTIC VALVE BOXES ARE TO BE GREEN IN COLOR WITH BOLT DOWN, NON-HINGED COVER
- 20. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED. THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- 21. DUE TO THE SCALE OF THE DRAWINGS. IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS. FITTINGS. SLEEVES, ETC., WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS WORK AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THEN WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL FEATURES.

MARKED "IRRIGATION". BOX SHALL HAVE KNOCK OUTS. MANUFACTURER SHALL BE CARSON

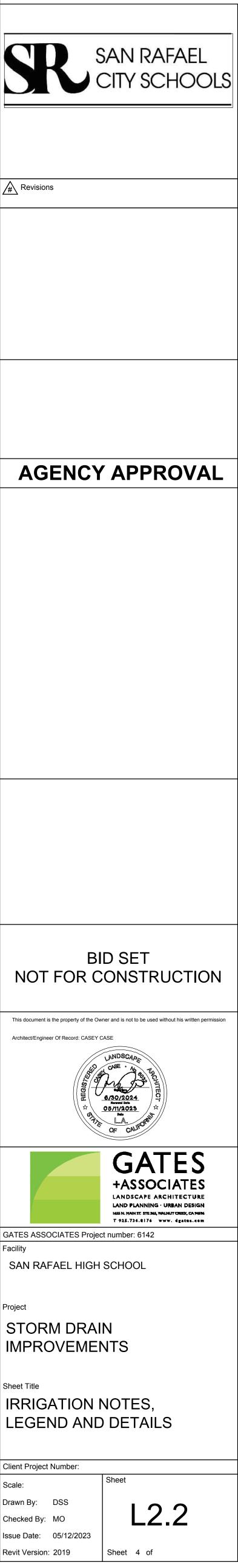
GATE VALVE (GV), MASTER VALVE (MV), FLOW SENSOR (FS), WIRE SPLICE (WS), ETC.)

INDUSTRIES. VALVE BOX LIDS SHALL BE HEAT STAMPED OR ENGRAVED IN 1-1/2" LETTERS THE

19. THE CONTRACTOR SHALL FLUSH, AND ADJUST ALL HEADS AND VALVES FOR OPTIMUM COVERAGE

CONTENTS OF THE BOX. (REMOTE CONTROL VALVE NUMBERS (C-5), QUICK COUPLING VALVE (QC),

- 22. OPERATE IRRIGATION CONTROLLER(S) BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM.
- 23. CONTROL WIRES SHALL BE UL APPROVED COPPER SINGLE STRAND TYPE UF DIRECT BURIAL 14 GAUGE RED IN COLOR. COMMON WIRES SHALL BE UL APPROVED COPPER SINGLE STRAND TYPE UF DIRECT BURIAL 12 GAUGE WHITE IN COLOR. SPARE CONTROL WIRES SHALL BE UL APPROVED COPPER SINGLE STRAND TYPE UF DIRECT BURIAL 14 GAUGE BLUE IN COLOR.
- 24. REMOTE CONTROL VALVES SHALL BE WIRED TO CONTROLLER IN SEQUENCE AS SHOWN ON PLANS. RUN WIRE FROM EACH RCV TO THE CONTROLLER. SPLICING WIRES TOGETHER OUTSIDE OF VALVE BOXES WILL NOT BE PERMITTED. LEAVE A 36" COIL OF EXCESS WIRE AT EACH SPLICE AND 100 FEET ON CENTER ALONG WIRE RUN. TAPE WIRE IN BUNDLES 10 FEET ON CENTER. NO TAPING PERMITTED INSIDE SLEEVES.
- 25. INSTALL KBI BPC SERIES (OR EQUAL) IN-LINE 5# SPRING CHECK VALVES FOR DRIP BUBBLER AND TREE BUBBLER LATERAL LINES AT EVERY 10' ELEVATION CHANGE OR AS NEEDED TO PREVENT LOW HEAD DRAINAGE. KBI KSC SERIES (OR EQUAL) SOLVENT WELD SWING CHECK VALVES CAN BE USED IN LATERAL LINES TO ISOLATE WATER FROM REVERSE FLOW WHERE NEEDED AT SLOPES TO PREVENT LOW HEAD DRAINAGE.
- 26. MAINTAIN 6" MINIMUM CLEARANCE BETWEEN SOLVENT WELD FITTINGS ON IRRIGATION MAINLINE AND LATERAL LINE PIPES. MAINTAIN MINIMUM 10' CLEARANCE BETWEEN POTABLE AND CONSTANT PRESSURE RECYCLED WATER MAINLINES LINES. MAINTAIN MINIMUM 3' CLEARANCE BETWEEN CONSTANT PRESSURE RECYCLED WATER MAINLINE AND PG&E FACILITIES PER PG&E UO STANDARD S5453.
- 27. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES, AND TREE ROOTS. EXCAVATION IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR SHALL BE DONE BY HAND. ROOTS TWO (2) INCHES AND LARGER IN DIAMETER SHALL BE WRAPPED IN BURLAP UNTIL BACKFILLED. TRENCHES ADJACENT TO TREE SHOULD BE CLOSED WITHIN TWENTY-FOUR (24) HOURS: WHERE THIS IS NOT POSSIBLE. THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH BURLAP OR CANVAS.
- 28. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 29. WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, FIRE HYDRANTS, ETC.) INTERFERE WITH INSTALLATION OF THE BUBBLERS, THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SYSTEM BY ROUTING AROUND THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- 30. THE DESIGN INTENT OF THE IRRIGATION SYSTEM IS TO PROVIDE COMPLETE COVERAGE WITH NO RUN-OFF ONTO WALKWAYS AND PAVEMENT. ADJUST IRRIGATION TO CONTAIN BUBBLERS WITHIN PLANTING AREAS AND PREVENT RUN OFF OUTSIDE OF LANDSCAPE AREAS
- 31. CONTRACTOR SHALL PROVIDE MONTHLY SCHEDULE FOR ESTABLISHMENT PERIOD & FOLLOWING YEAR. LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULE, IRRIGATION AUDIT, IRRIGATION SURVEY, AND IRRIGATION WATER USE ANALYSIS SHALL BE SUBMITTED WITH THE CERTIFICATE OF COMPLETION IN COMPLIANCE WITH STATE OF CALIFORNIA MODEL WATER EFFICIENT. CONTRACTOR SHALL INPUT ALL REQUIRED DATA INTO CONTROLLERS TO ALLOW SELF SCHEDULING INCLUSIVE OF PLANT SPECIES, PLANT WATER REQUIREMENTS, EXPOSURE, SOIL TYPE, SLOPE, IRRIGATION TYPE AND IRRIGATION EFFICIENCY.



Sheet Title

Scale

RIGATION REMOTE CONTROL VALVE JMBER PER MINUTE SCHEDULE 40 PVC PLASTIC PIPE. FITTINGS SHALL BE SCHEDULE 40 PVC SOLVENT IGS AT CHANGES IN DIRECTION OR BRANCH MAINS. CONNECTIONS BETWEEN MAINLINE E CONTROL VALVES SHALL BE MADE WITH SCHEDULE 80 PVC FITTINGS. PROVIDE FOR COVERAGE OF 18-INCHES.

WHERE APPLICABLE.

0 5' 50' UIIII	0 5' 25' 	0 1' 12' 1/4" = 1'-0"
L	I	

0 1'	6'	0	4'	0 1'	
	1/2" = 1'-0"		3/4" = 1'-0"		1" = 1'-

