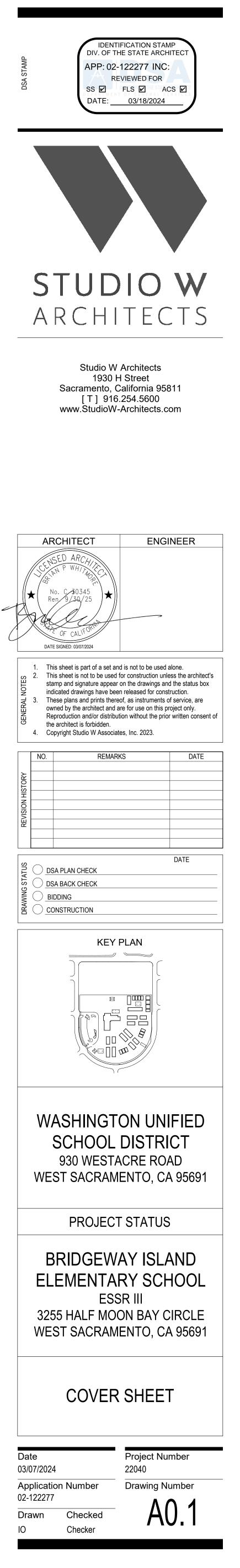
BRIDGEWAY ISLAND ELEMENTARY SCHOOL ESSR III 3255 HALF MOON BAY CIRCLE WEST SACRAMENTO, CA 95691 WASHINGTON UNIFIED SCHOOL DISTRICT

DSA File No. 57-31 App. No. 02-122277 PTN. 72694-122

	DSA REQUIREMENTS	DEFERRED APPROVALS
1. 2. 3. 4.	ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR). AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS, AND/OR ACS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT	1. NONE
4.	(OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.	ADD ALTERNATES
5. 6.	GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES. A COPY OF PART 1 TO PART 5 OF TITLE 24 SHALL BE KEPT AND BE	1. NONE
7. 8.	AVAILABLE IN THE FIELD DURING CONSTRUCTION. DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, CCR THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR	
9.	MEDIATION PROCEDURES. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS PER SECTION 4-334, PART 1, TITLE 24, CCR	
10.	 ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, CCR: VERIFIED REPORTS PER SECT 4-336; PART 1, TITLE 24 CCR DUTIES OF ARCHITECT PER SECT 4-331, 4-341; PART 1, TITLE 24 CCR DUTIES OF CONTRACTOR PER SECT. 4-343; PART 1, TITLE 24 	CODES AND REGULATIONS
11.	 TESTING AND INSPECTION: INSPECTOR APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, CCR TESTS AND TESTING LABORATORIES PER SECT 4-335 	APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:
12.	 SPECIAL INSPECTION PER SECT. 4-333(C) CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH CBC SECTION 1124B.2 AND 1124B.3. 	 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 IBC & CALIFORNIA AMENDMENTS)
13. 14.	ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335; PART 1, TITLE 24, CCR TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335; PART 1, TITLE 24, CCR AND THE DISTRICT SHALL EMPLOY AND PAY THE DSA ACCEPTED LABORATORY.	 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS) 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
15.	COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN	 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS) 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CBSC
16.	ACCORDANCE WITH SECTION 4-333(B). THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)	 2022 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS) 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE & CALIFORNIA AMENDMENTS) 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR 11. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR 12. TITLE 8 CCR, CH. 4, SUB-CH. 6 - ELEVATOR SAFETY ORDERS 13. TITLE 19 CCR, PUBLIC SAFETY, SFM REGULATIONS
17.	INSPECTOR OF RECORD REQUIREMENTS: A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24; PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.	 APPLICABLE FEDERAL CODES AND STANDARDS: 14. AMERICANS WITH DISABILITIES ACT (ADA), TITLE 11 15. UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36) APPLICABLE REFERENCED STANDARDS:
	 B. INSPECTOR SHALL BE CERTIFIED AS A CLASS 2 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT. 	 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2019 EDITION NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2019 EDITION NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2022 EDITION NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2019 EDITION NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION
		REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

	PROJECT DESCRIPTION
APN	l: 045-581-001, 045-581-002, 045-570-020, 045-622-001
	EPROJECT INCLUDES NEW DRINKING FOUNTAINS, ALONG WITH ASSOCIATED EFOR WORK POT AND (1) DSA APPROVED SHADE STRUCTURE.
-	TE THAT DRINKING FOUNTAINS WILL BE INSTALLED DURING THE SCHOOL R, WHILE ALL OTHER WORK WILL BE INSTALLED DURING THE SUMMER OF 4.
	RIC SHADE STRUCTURE TO HAVE 340FR FABRIC FOR FLAME RETARDANT, //PLYING WITH TITLE 19, SECTION 315(a)
	STATEMENT OF GENERAL
EOP	
INCL	ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, UDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED GN PROFESSIONALS AND/OR CONSULTANTS
Applie	cation No. 02-122277
File N	lo. 57-31
[X] []	The drawings or sheets listed on the cover or index sheet (all C, P_and PC drawings) This drawing, page of specifications/calculations
	been prepared by other design professionals or consultants who are licensed and/or rized to prepare such drawings in this state. It has been examined by me for:
1. 2.	design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
2. The S	Code of Regulations and the project specifications prepared by me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project. Statement of General Conformance "shall not be construed as relieving me of my rights,
2. The S duties 4-336 I find [X] AI	 Code of Regulations and the project specifications prepared by me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project. Statement of General Conformance "shall not be construed as relieving me of my rights, s, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 5, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 [b])
2. The S duties 4-336 I find [X] AI [] Thi [X] is	Code of Regulations and the project specifications prepared by me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project. Statement of General Conformance "shall not be construed as relieving me of my rights, s, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 5, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 [b]) that: I drawings or sheets listed on the cover or index sheet is drawing or page
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2. The S duties 4-336 I find [X] AI [] Thi [X] is [X] is Signa Archi Brian Print C 303	Code of Regulations and the project specifications prepared by me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project. Statement of General Conformance "shall not be construed as relieving me of my rights, s, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 5, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 [b]) that: I drawings or sheets listed on the cover or index sheet is drawing or page vare in general conformance with the project design and as/have been coordinated with the project plans and specifications $\frac{02/29/2024}{Date}$ itect or Engineer designated to be in general responsible charge. P. Whitmore Name

DRA	WING INDEX	PROJECT DIRECTORY
SHT. NO. DESCRIPTION	SHT. NO. DESCRIPTION	<u>CLIENT</u> WASHINGTON UNIFIED SCHOOL DISTRICT
GENERAL A0.1 COVER SHEET A0.2 GENERAL NOTES A0.3 ARCHITECTURAL SYMBOLS AND ABBREVIATIONS		WASHINGTON UNIFIED SCHOOL DISTRICT 930 WESTACRE ROAD
A0.5 CODE ANALYSIS SITE PLAN CIVIL C0.0 CIVIL GENERAL NOTES AND ABBREVIATIONS		[T] (916) 375-7600 DANIEL BANOWETZ dbanowetz@wusd.k12.ca.us
C0.1TOPOGRAPHIC SURVEYC0.2UTILITY SURVEYC1.1DEMOLITION PLAN		ARCHITECT
C1.2 DEMOLITION PLAN C2.1 GRADING PLAN C2.2 GRADING PLAN C3.1 UTILITY PLAN		STUDIO W ARCHITECTS BRIAN WHITMORE, PRINCIPAL
C3.2 UTILITY PLAN C4.1 PAVING AND STRIPING PLAN C4.2 PAVING AND STRIPING PLAN		1930 H STREET SACRAMENTO, CA 95811 [T] (916) 254-5600 BrianW@StudioW-Architects.com
C5.1 DETAILS AND SECTIONS ARCHITECTURAL A1.1 SITE PLAN OVERALL		BRIE GARGANO, ASSOCIATE PRINCIPAL & CLIENT LEADER 1930 H STREET SACRAMENTO, CA 95811
A1.2 ENLARGED SHADE STRUCTURE PLAN A10.2.1 SITE DETAILS A10.10.1 SPECIALTIES		[T] (916) 254-5603 BrieG@StudioW-Architects.com ADRIANA MOUSER, SENIOR PROJECT ARCHITECT
PLUMBING P0.1 PLUMBING LEGEND AND GENERAL NOTES P1.1 PLUMBING SITE PLAN		1930 H STREET SACRAMENTO, CA 95811 [T] (916) 254-5613 AdrianaM@StudioW-Architects.com
FABRIC SHADE STRUCTURE (PC 04-121917)T-1.0TITLE SHEET11.2-1000PRODUCT INFORMATION		CIVIL ENGINEER
11.2-2000 SPECIFICATIONS TOTAL SHEET COUNT: 25		WCE ANTHONY TASSANO
		1117 WINFIELD WAY, SUITE 110 [T] (916) 982-1870 Anthony@wceinc.com
		STRUCTURAL ENGINEER
		MLA STRUCTURAL ENGINEERS JOHN MANDSAGER 1132 SUNCAST LANE, SUITE 6 EL DORADO HILLS, CA 95762
		[T] (916) 941-2425 John@mla-se.com
		PLUMBING ENGINEER
		ED DAVID 3220 EXECUTIVE RIDGE, SUITE 210 VISTA, CA 92081
		[T] (760) 560-0100 Ed.david@salasobrien.com
		SPECIFICATION WRITER
		BYUN PARTNERS DAVID BYUN 1205 HAZEL PLACE
		COSTA MESA, CA 92626 [T] (310) 800-0353 David@byunpartners.com
		PC SHADE STRUCTURE
		USA SHADE Erik Anslinger
		927 ENTERPRISE WAY, SUITE A NAPA, CA 94558 [T] (408) 478-1646 erik.anslinger@usa-shade.com
		GOLDEN GATE DR. PROJECT
		HALF MOON BAY CIR.
		Image: Non-state in the state in the sta



GENERAL FABRIC SHADE NOT
 IN ACCORDANCE WITH PR 07-01 SECTION 2.4 THE FIRST SHEET(S) OF TH DRAWINGS SHALL INCLUDE A DESIGN INFORMATION SECTION THAT DE THE BASIS OF THE PC DESIGN. REFER TO PR 07-01 APPENDICES B AND O THE REMAINDER OF THIS IR FOR REQUIRED CONTENT OF THE DESIGN INFORMATION SECTION. THE FOLLOWING INFORMATION, AS A MINIMUM, SHALL BE INCLUDED ON PC DRAWINGS FOR OPEN FABRIC SHADE STRUCTURES. THIS IS NOT INTENDED TO BE AN ALL-INCLUSIVE LIST, AND ADDITIONAL ITEMS MAY B REQUIRED. APPLIED DESIGN LOADS. SEE SECTIONS 3 AND 4 BELOW. BASE REACTIONS FOR EACH LOAD CASE AT POINTS OF SUPPORT. TYPE OF FABRIC, MINIMUM, SPECIFIED FABRIC STRENGTH, MAXIMUM MODULUS OF ELASTICITY, AND MINIMUM SEAM STRENGTH (WHEN APPLICABLE) FOR EACH PART OF STRUCTURE. THE MAXIMUM PRESTRESS FORCE (P) AND THE MAXIMUM CABLE ALLOW STRENGTH (5a) PER AMERICAN SOCIETY OF CIVIL ENGINEERS STANDAR STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS (ASCE 1 SECTION 3.3.1 FOR EACH CABLE SIZE IN THE PC. THE DRECTION OF THE WRAP AND FILL. TYPE AND LOCATION OF ANY MECHANICAL CONNECTIONS. THE PC CONSTRUCTION DOCUMENTS SHALL INCLUDE COMPLETE AND COMPREHENSIVE GENERAL NOTES AND/OR SPECIFICATIONS AS REQUI FOR CONSTRUCTION ON PROJECT MANUAL REFER TO PR 0.01 APPEN FOOTNOTE 6. IN THIS CASE, THE PC DRAWINGS SHALL INCLUDE INFORM THAT MIGHT OTHERWISE BE COMMUNICATED IN A PROJECT MANUAL O BOOK SPECIFICATION. OR PROJECT MANUAL REFER TO PR 0.01 APPEN FOOTNOTE 6. IN THIS CASE, THE PC DRAWINGS SHALL INCLUDE INFORM THAT MIGHT OTHERWISE BE COMMUNICATED IN A PROJECT MANUAL O BOOK SPECIFICATION. OR REACH PRIMARY MATERIAL DR GROUP OF MATERIALS. THE FOLLOWING INFORMATION SHALL BE SPECIFIED IN THE CONSTRUCTION DOCUMENTS WHEN APPLICABLE: REQUIRED MATERIAL PROPERTIES, INCLUDING COMPLIANCE WITH AME SOCIETY OF TESTING AND MATERIALS (ASTM) SPECIFICATIONS WHEN APPLICABLE. REQUIRED MATERIAL PROPERTIES, INCLUDING COMPLIANCE WITH AME SOCIETY OF TESTING AND MATERIALS (ASTM)
 GENERAL STEEL STRUCTUR NOTES IN ACCORDANCE WITH PR 07-01 SECTION 2.4 THE FIRST SHEET(S) OF TH DRAWINGS SHALL INCLUDE A DESIGN INFORMATION SECTION THAT DEI THE BASIS OF THE PC DESIGN. REFER TO PR 07-01 APPENDICES B AND 0 THE REMAINDER OF THIS IR FOR REQUIRED CONTENT OF THE DESIGN INFORMATION SECTION THE PC CONSTRUCTION DOCUMENTS SHALL INCLUDE COMPLETE AND COMPREHENSIVE GENERAL NOTES AND/OR SPECIFICATIONS AS REQUIR FOR CONSTRUCTION ND INSPECTION. IT IS COMMON FOR PC CONSTRUCTION DOCUMENTS TO CONSIST OF DRAWINGS ONLY WITHOU BOOK SPECIFICATION OR PROJECT MANUAL. REFER TO PR 07-01 APPEN FOOTNOTE 6. IN THIS CASE, THE PC DRAWINGS SHALL INCLUDE INFORM THAT MIGHT OTHERWISE BE COMMUNICATED IN A PROJECT MANUAL OF BOOK SPECIFICATION. FOR EACH PRIMARY MATERIAL OR GROUP OF MATERIALS, THE FOLLOWING INFORMATION SHALL BE SPECIFIED IN THE CONSTRUCTION DOCUMENTS WHEN APPLICABLE: REQUIRED MATERIAL PROPERTIES, INCLUDING COMPLIANCE WITH AME SOCIETY OF TESTING AND MATERIALS (ASTM) SPECIFICATIONS WHEN APPLICABLE. PROPRIETARY PRODUCTS NAME, MANUFACTURER, AND EVALUATION RI NUMBER. REFER TO SECTION 1.12 BELOW. QUALITY CONTROL PERFORMED BY THE SUPPLIER. STANDARDS FOR THE EXECUTION OF THE WORK, INCLUDING ASSOCIAT TOLERANCES. REFERENCES TO RECOGNIZED STANDARDS ARE ACCCEPTABLE. REQUIRED QUALIFICATIONS OF PERSONNEL PERFORMING THE WORK F EACH APPLICABLE TRADE. PRODUCT AND MATERIAL FINISHES WHERE REQUIRED FOR WEATHER PROTECTION OR SAFETY. QUALITY ASSURANCE TESTS AND FREQUENCY REQUIREMENTS (INCLUDI CITATION OF ASTM STANDARDS WHEN APPLICABLE) FOR TO COVERED BY
SECTION 1.3 BELOW.

I DATE: 3///2024 4.17.21 FW DATE: DIM 360-//22040 M/oshinaton 1150 Didaowov Jaland EC /22040 Didaowov Jaland S

DRAWING DISCIPLINE PREFIX
A. ARCHITECTURAL C. CIVIL D. INTERIOR DESIGN / FURNITURE E. ELECTRICAL FA. FIRE ALARM FP. FIRE PROTECTION / SPRINKLER SYSTEM FS. FOOD SERVICE L. LANDSCAPING M. MECHANICAL P. PLUMBING S. STRUCTURAL T. TECHNOLOGY
DRAWING INDEX CODE
 A0. GENERAL INFORMATION A1. SITE PLANS A2. FLOOR PLANS A3. REFLECTED CEILING PLANS A4. ROOF PLANS A5. EXTERIOR ELEVATIONS A6. BUILDING SECTIONS A7. ENLARGED PLANS A8. INTERIOR ELEVATIONS A9. SCHEDULES A10. CONSTRUCTION DETAILS
DETAIL DRAWING CODE
A10.8.4
DRAWING NUMBER DIVISION NUMBER PREFIX DRAWING INDEX NUMBER
THE DIVISION PREFIX NUMBERS ARE THOSE IDENTIFIED BY THE 48 DIVISION GROUPING SYSTEM OF MASTERFORMAT AS PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) AND SHALL NOT BE SOLELY REPRESENTATIVE OF REQUIREMENTS FOR ANY ONE DIVISION. THOSE DIVISIONS NOTED AS BEING OMITTED ARE NOT APPLICABLE OR ARE INCLUDED UNDER DISCIPLINE DRAWINGS. IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
DIVISION NUMBER CODE
MASTERFORMAT NUMBERS AND TITLES AS PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI). DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS DIVISION 01 GENERAL REQUIREMENTS DIVISION 02 EXISTING CONDITIONS DIVISION 03 CONCRETE DIVISION 04 MASONRY DIVISION 05 METALS DIVISION 06 WOODS, PLASTICS, AND COMPOSITES DIVISION 07 THERMAL AND MOISTURE PROTECTION DIVISION 08 OPENINGS DIVISION 09 FINISHES DIVISION 10 SPECIAL TIES DIVISION 11 EQUIPMENT DIVISION 12 FURNISHINGS DIVISION 13 SPECIAL CONSTRUCTION DIVISION 14 CONVEYING EQUIPMENT DIVISION 12 FURNISHINGS DIVISION 21 FIRE SUPPRESSION DIVISION 22 PLUMBING DIVISION 23 HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) DIVISION 26 ELECTRICAL DIVISION 27 COMMUNICATIONS DIVISION 28 ELECTRONIC SAFETY AND SECURITY DIVISION 31 EARTHWORK

GENERAL NOTES PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND SHALL HAVE VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. BIDDERS SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS. THERE WILL BE NO SUBSTITUTION FOR SPECIFIED ITEMS WITHOUT PRIOR APPROVAL UNLESS OTHERWISE NOTED. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN ACCORDANCE WITH GENERAL CONDITIONS & DIVISION 1 THE GENERAL BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED BY GOVERNING AGENCIES IN ORDER TO PERFORM THE WORK. THE FINAL LOCATION OF ALL ELECTRICAL AND SIGNAL EQUIPMENT, PANEL BOARDS, FIXTURES, ETC., SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION. DEFINITIONS "TYPICAL" MEANS IDENTICAL FOR ALL CONDITIONS, UNLESS Α. OTHERWISE NOTED. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATIONS. "PROVIDE" MEANS TO FURNISH AND INSTALL. "FURNISH" MEANS TO FURNISH AND OTHERS WILL INSTALL. DIMENSIONING RULES: ALL HORIZONTAL DIMENSIONS SHALL BE TO FACE OF STUD OR TO CENTERLINE OF COLUMN GRID LINE, U.O.N DIMENSIONS NOTED "CLEAR", "CLR", OR "MINIMUM" MUST BE PRECISELY MAINTAINED. DIMENSIONS CAN NOT BE MODIFIED WITHOUT APPROVAL OF THE ARCHITECT UNLESS OTHERWISE NOTED. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS. IF ANY ITEM OF WORK CANNOT BE LOCATED, DO NOT PROCEED WITH THE WORK WITHOUT THE ARCHITECT'S APPROVAL. DIMENSIONS MARKED "V.I.F." OR "VERIFY" SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. VERIFY ALL ROUGH OPENING DIMENSIONS FOR FABRICATED ITEMS WITH THE MANUFACTURER PRIOR TO PROCEEDING WITH CONSTRUCTION. PROVIDE REQUIRED BACKING, BLOCKING, AND BRACING FOR ALL WALL -MOUNTED FIXTURES, ACCESSORIES AND EQUIPMENT. VERIFY AND COORDINATE WALLS THAT MAY REQUIRE NON-TYPICAL THICKNESS OR FRAMING DUE TO ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL AND/OR EQUIPMENT REQUIREMENTS. ALL GLAZING SHALL CONFORM TO FEDERAL GLAZING REGULATIONS AND CHAPTER 24, CBC. ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFT-OVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT INVOLVED IN HIS OPERATIONS AT THE CONCLUSION OF THE INSTALLATION. HE SHALL LEAVE ALL AREAS CLEAN AND FREE FROM DUST. HAZARDOUS MATERIALS: THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY. PRESENCE, HANDLING, REMOVAL, DISPOSAL OF OR EXPOSURE OF PERSONS TO ASBESTOS OR HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. PROFESSIONAL SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION. DETECTION. ABATEMENT. REPLACEMENT, USE, SPECIFICATION, OR REMOVAL OF PRODUCTS, MATERIALS, OR PROCESSES CONTAINING ASBESTOS OR HAZARDOUS OR TOXIC MATERIALS ARE BEYOND THE SCOPE OF THIS AGREEMENT. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWING ARE APPROXIMATE ROUTING LOCATION AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE SCHOOL DISTRICT, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL THE EXISTING UNDERGROUND UTILITIES. ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED AIR/WATER TIGHT. ALL INTERIOR PENETRATIONS SHALL BE SEALED TO PROVIDE A PROFESSIONAL AND FINISHED APPEARANCE. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER USE CONTROL/ OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, PROVIDE ALL ITEMS WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN CONTRACT PRICE OR TIME. THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE. THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES. ALL WORK SHALL CONFORM TO CALIFORNIA CODES, TRADE STANDARDS WHICH GOVERN EACH PHASE OF THE PROJECT, AND ALL APPLICABLE LOCAL CODES AND AUTHORITIES HAVING JURISDICTION. THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT PROJECT MANUAL PUBLISHED IN BOOK FORM, COMBINED, THEY ARE THE "CONTRACT DOCUMENTS". NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS. CONSTRUCTION MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE OR DETERIORATION. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK. SECURITY OF MATERIALS ARE THE SOLE RESPONSIBILITY OF CONTRACTOR. ALL EQUIPMENT/CABINETS SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT WITH THIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE AND COSTS ATTRIBUTED TO RAIN WATER DAMAGE DURING THE DURATION OF THIS PROJECT. PROTECT AREAS FROM DAMAGE WHICH MAY OCCUR DUE TO TEMPERATURES, WIND, DUST, WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC., AS REQUIRED DURING CONSTRUCTION. MAINTAIN EXISTING PEDESTRIAN ACCESS ALONG EXISTING ADJACENT STREETS. ALL PUBLIC IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST ADOPTED CITY/COUNTY STANDARDS. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE. NOTIFY THE ARCHITECT IN WRITING AND SEEK CLARIFICATION IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND. CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIAL WORK IF RELATED WORK IS CONTINUED AFTER A DISCREPANCY IS IDENTIFIED. NEW FINISHES AND CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR FROM POTENTIAL DAMAGE CAUSED BY CONSTRUCTION ACTIVITY. DAMAGE TO FINISHES OR CONSTRUCTION SHALL BE REPAIRED OR REPLACED (OWNER'S DECISION) BY THE CONTRACTOR WITH IDENTICAL MATERIAL AND/OR FINISHES. CONTRACTOR SHALL MAKE AND MAINTAIN A PHOTOGRAPHIC RECORD NOTEBOOK WITH DATED/INDEXED PHOTOGRAPHS. SEE ELECTRICAL DRAWINGS FOR INFORMATION RELATED TO TELECOMMUNICATION EQUIPMENT, POWER, AND LIGHTING FIXTURES AND EQUIPMENT. SEE ARCHITECTURAL PLANS, REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR COORDINATED EQUIPMENT LOCATIONS. IF NOT SHOWN, CONTACT ARCHITECT FOR REVIEW AND DECISION. PROVIDE ACCESS DOORS REQUIRED FOR ACCESS TO CONCEALED MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT. ALL NOTED WORK IS UNDERSTOOD TO BE NEW, UNLESS LABELED AS "(E)" OR "EXISTING".

SUPPLEMENTAL GENERAL NOTES

- THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED, THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN. AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF STUDIO W ARCHITECTS, AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STUDIO W ARCHITECTS. EACH BIDDER SHALL POSSESS AT THE TIME OF BID. A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
- FIRE SAFETY DURING CONSTRUCTION & DEMOLITION:
 A. GENERAL: FIRE SAFETY DURING CONSTRUCTION & DEMOLITION SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE (CFC) CH. 33 (PART 9, TITLE 24 CCR)
 B. CONSTRUCTION SAFEGUARDS: SHALL COMPLY WITH APPLICABLE
- PROVISIONS OF CBC 3302.C. DEMOLITION: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC
- BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES PER CBC 3308.1.
 MEANS OF EGRESS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF
- CBC 3310. F. WATER SUPPLY: APPROVED WATER SUPPLY SHALL BE MADE AVAILABLE IN ACCORDANCE WITH CBC 3313.
- G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL PER CBC 3314
 PENETRATIONS IN FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE
- DIRECTORY. FIRE STOP SYSTEMS SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6): A. THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS
- THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDINGS WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED THEY ARE BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE DRAWINGS.
- ENVELOPE MANDATORY MEASURES: A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL. B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN
- COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 719 C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING
- ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES
 OF AIR LEAKAGE SHALL BE CAULKED, GASKETED,
 WEATHERSTRIPPED OR OTHERWISE SEALED.
 D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL
- BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS). E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL
- HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 116(a)1.
 F. MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL
- FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING PROCEDURE. G. DEMISING WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED WALLS (EXCEPT DOORS). PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS: A. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE CATEGORY AND TO THE ANCHOR OUTSIDE DIAMETER FOR THE SLEEVE
- CATEGORY.
 B. APPLY PROOF TEST LOADS TO WEDGE & SLEEVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT
- USING A TORQUE WRENCH AND APPLY LOAD. C. FOR SLEEVE INTERNALLY THREADED CATEGORIES, VERIFY THAT THE ANCHOR IS NOT PREVENTED FROM WITHDRAWING BY A BASEPLATE OR OTHER FIXTURES. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR
- REMOVE FIXTURE(S) PRIOR TO TESTING. D. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT
- RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
 E. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

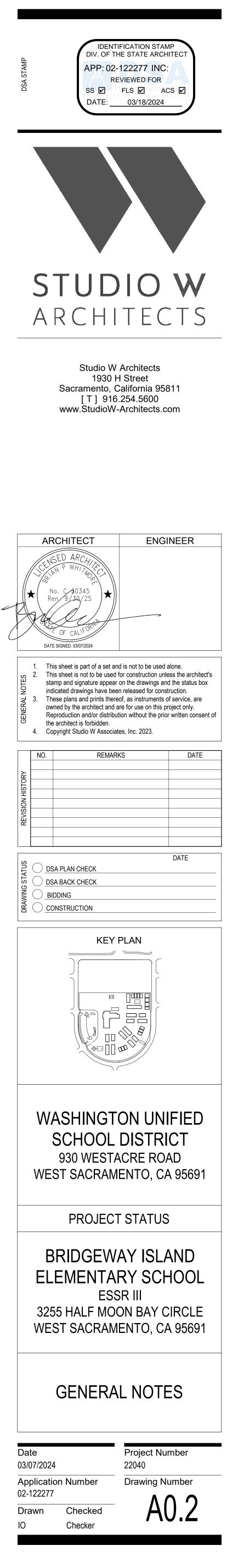
- THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF **INSTALLED ANCHORS:** HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. DROP-IN ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE 2. MUST BE REACHED WITHIN THE FOLLOWING LIMITS: WEDGE OR SLEEVE TYPE: ONE-HALF (1/2) TURN OF THE NUT. ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN. SLEEVE ANCHOR ONLY. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS. ALL ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT ALLOWED BY THE TYPE OF SUBSTRATE AND DIAMETER OF BOLT LISTED BELOW UNDER TEST VALUES TABLE) PROOF TESTED IN TENSION TO TWICE THE ALLOWABLE TENSION LOAD. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 1910A.5, "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE " ALL BOLTS MUST HAVE ICC APPROVAL. ALL ANCHOR BOLTS OF THE EXPANSION TYPE SHALL BE ONE OF
- ALL ANCHOR BOLTS OF THE EXPANSION TIPE SHALL BE ONE OF THE FOLLOWING:
 1. HILTI KB-TZ2 ANCHOR ICC NO. ESR 4266

MINIMUM TEST VALUES						
NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE						
ANCHOR	ANCHOR WEDGE					
DIA. (IN)	TENSION LOAD (LBS)	TORQUE (FT-LBS)	EFFECTIVE MIN. EMBEDMENT			
3/8	6,490	30	1 1/2" - 2 1/2"			
1/2	11,240	50	1 1/2" - 3 1/4"			
5/8	17,535	40	2 3/4" - 4"			
3/4	25,335	110	3 1/4" - 4 3/4"			

- POWDER-DRIVEN CONCRETE FASTENERS: A. GENERAL: USE OF POWDER DRIVEN CONCRETE FASTENERS FOR
- A. GENERAL: 03E OF POWDER DRIVEN CONCRETE PASTENERS FOR TENSION LOADS IS LIMITED TO SUPPORT OF MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUIT.
 B. ALLOWABLE LOADS: IN GENERAL, LOADS SHOULD BE LIMITED TO LESS THAN 100 POUNDS. HOWEVER GREATER LOADS MAY BE PERMITTED FOR SPECIAL CASES WHEN APPROVED BY THE CHECKING
- SUPERVISOR OR FIELD ENGINEER.
 C. TESTING: THE OPERATOR, TOOL, AND FASTENER SHALL BE PREQUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD, OR 200 POUNDS, WHICHEVER IS GREATER, SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS, EXCEPT THAT WHEN THE DESIGN LOAD EXCEEDS 100 POUNDS, ONE HALF OF THE PINS SHALL BE TESTED. SHOULD FAILURE OCCUR ON ANY PIN TESTED, ALL INSTALLATIONS
- MUST BE TESTED AND UNFAIR PINS REPLACED.
 D. ALL POWDER DRIVEN CONCRETE FASTENERS SHALL BE ONE OF THE FOLLOWING: HILTI, INC.
 1. 0.145 DIA. PAF X-CR INTO STEEL BASE MATERIAL ICC NO. ESR 1663
 2. 0.138 DIA. PAF X-CR INTO CONCRETE BASE MATERIAL -
 - ICC NO. ESR 1663

OWNER FURNISHED ITEMS

NONE



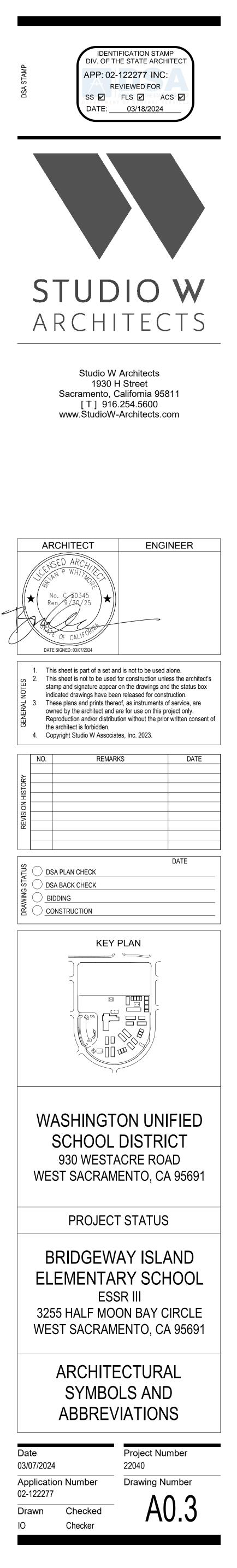
¥ &	POUND OR NUMBER AND	DG DH	DECOMPOSED GRANITE DOUBLE HUNG
*	ITEMS IDENTIFIED AS "NIC" ARE NOT PART OF THIS DSA APPROVAL	DIA	DIAMETER
0	NOMINAL LUMBER SIZE (4X, 6X, 8X, ETC.) AT	DIAG DIFF	DIAGONAL DIFFUSER
	PERPENDICULAR	DIM DISP	DIMENSION DISPENSER
4		DIV	DIVISION
	AIR CONDITIONING ARCHITECT/ENGINEER	DMPF DMT	DAMPPROOFING DEMOUNTABLE
AB	ANCHOR BOLT	DN DP	DOWN DOOR
	ABANDON AGGREGATE BASE COURSE	DR DRB	DOOR DRAINBOARD
	ABOVE ASPHALTIC CONCRETE	DRLV DS	DOOR LOUVER DOWNSPOUT
VCC	ACCESS(IBLE)	DSP	DRY STANDPIPE
	ALUMINUM COMPOSITE PANEL ACOUSTICAL	DT DVTL	DRAIN TILE DOVETAIL
СТ	ACOUSTICAL CEILING TILE	DW	DISHWASHER
	AREA DRAIN ADDENDUM	DWG DWL	DRAWING DOWEL
DH		DWR	DRAWER
	ADJUSTABLE ADJACENT	E	
	ABOVE FINISH FLOOR ABOVE FINISHED GRADE	(E) E	EXISTING EAST
GGR	AGGREGATE	EA	EACH
	AIR HANDLING UNIT ASSISTED LISTENING SYSTEM	EAR EB	EXHAUST AIR REGISTER EXPANSION BOLT
		EE EF	EACH END EACH FACE
	ALUMINUM ANCHOR, ANCHORAGE	EFS	EXTERIOR FINISH SYSTEM
	APPLIED APPROXIMATELY	EHD EIFS	ELECTRIC HAND DRYER EXTERIOR INSULATION AND FINISH SYSTEM
RCH	ARCHITECT(URAL)	EJ	EXPANSION JOINT
	ABOVE SUSPENDED CEILING ABOVE STAGE FINISH	EL ELAST	ELEVATION ELASTOMERIC
SPH	ASPHALT	ELEC	ELECTRIC(AL)
	ASSEMBLY ASYMMETRICAL	ELEV EM	ELEVATOR EXPANDED METAL
UTO	AUTOMATIC AUDIO VISUAL	EMER EN	EMERGENCY EDGE NAILING
	AUDIO VISUAL AMERICAN WIRE GAUGE	ENCL	ENCLOSE(URE)
		ENGR ENTR	ENGINEER ENTRANCE
	BOLT	EP	ELECTRICAL PANELBOARD
	BACK OF CURB BOARD	EQ EQUIP	EQUAL EQUIPMENT
ITUM	BITUMINOUS	ESC	ESCUTCHEON
	BUILDING BLOCK	ESCL ESMT	ESCALATOR EASEMENT
LKG	BLOCKING BELOW	EW EWC	EACH WAY ELECTRIC WATER COOLER
LW CLG	BELOW CEILING	EWH	ELECTRIC WATER HEATER
	BELOW FINISH FLOOR BENCH MARK	EWS EXC	EYE WASH STATION EXCAVATE
N	BOUNDARY NAILING	EXH	EXHAUST
	BOTTOM OF BOTTOM	EXP EXPN	EXPOSED EXPANSION
RCG	BRACING	EXS	EXTRA STRONG
	BRIDGING BEARING	EXT	EXTERIOR
	BRICK	F	FUTURE
	BRACKET BRASS	(F) F/F	FACE TO FACE
	BRONZE BOTH SIDES	FA FAB	FIRE ALARM FABRIC
SMT	BASEMENT	FBD	FIBERBOARD
	BETWEEN BUILT UP ROOFING	FBRK FCBRK	FIRE BRICK FACE BRICK
	BOTH WAYS	FD	FLOOR DRAIN
		FDTN FE	FOUNDATION FIRE EXTINGUISHER
	CURB AND GUTTER	FEC	FIRE EXTINGUISHER CABINET FINISH FLOOR
	CABINET CADMIUM	FF FFA	FROM FLOOR ABOVE
	CATCH BASIN CEMENTITIOUS BACKER BOARD	FFB FFEL	FROM FLOOR BELOW FINISHED FLOOR ELEVATION
	CALIFORNIA BUILDING CODE	FFL	FINISHED FLOOR ELEVATION
	CEMENT CERAMIC	FGL FHC	FIBERGLASS FIRE HOUSE CABINET
FCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	FHMB	FLAT HEAD MACHINE BOLT
	COUNTERFLASHING CONTRACTOR FURNISHED OWNER INSTALLED	FHMS FHWS	FLAT HEAD MACHINE SCREW FLATHEAD WOOD SCREW
G	CORNER GUARD	FIN	FINISH(ED)
	CHALKBOARD CHAMFER	FJT FLASH	FLUSH JOINT FLASHING
I	CAST IRON	FLDG	FOLDING
IR	CAST IN PLACE CIRCLE	FLG FLR	FLOORING FLOOR
IRC	CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT	FLUOR FN	FLUORESCENT FIELD NAILING
L	CHAIN LINK OR CENTER LINE	FOB	FACE OF BLOCK
LG	CEILING CONTROL JOINT	FOC FOF	FACE OF CONCRETE/CURB FACE OF FINISH
LKG	CAULKING	FOG	FACE OF GRID
	CONTRACT LIMIT LINE CLOSURE	FOM FOS	FACE OF MASONRY FACE OF STUD
LR	CLEAR(ANCE)	FPL	FIREPLACE
	CLASSROOM CORRUGATED METAL PANEL	FPRF FR	FIREPROOF(ING) FRAME(D), (ING)
MPST	COMPOSITION	FRG	FIBERGLASS REINFORCED GYPSUM
	CONCRETE MASONARY UNIT CONCEALED	FRP FRTW	FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED WOOD
NR	CORNER COUNTER	FRZ FS	FREEZER FIRE SPRINKLER
OL	COLUMN	FS	FAR SIDE
	COMMON COMBINATION	FSTN FT	FASTEN, FASTENER FOOT/FEET
OMP	COMPOSITE	FTG	FOOTING
	COMPARTMENT CONCRETE	FURG FWC	FURRED, (ING) FABRIC WALL COVERING
ONF	CONFERENCE		
	CONNECTION CONSTRUCTION	G GA	GAUGE
	CONTINUOUS, CONTINUATION	GAL	GALLON
	CONTRACT(OR) COORDINATE	GALV GB	GALVANIZED GRAB BAR
ontr oord	CORRIDOR	GFRC GI	GLASS FIBER REINFORCED CONCRETE GALVANIZED IRON
ontr oord orr	COPPER	GI GL	GLASS
ontr oord orr pr prs	COPPER COMPRESS(ED), (ION), (IBLE)	1	GLUE LAMINATED GLAZING
ontr oord orr pr prs pt	COMPRESS(ED), (ION), (IBLE) CARPET	GLULAM GLZ	
ontr oord orr pr prs pt rs s	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE	GLZ GLZCMU	GLAZED CONRETE MASONRY UNIT
ONTR OORD ORR PR PRS PT RS SG	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL	GLZ	GLAZED CONRETE MASONRY UNIT GROUND GYPSUM PLASTER CEILING
ontr oord orr pr prs pt rs ss sg sg sk smt	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT	GLZ GLZCMU GND GPC GR	GROUND GYPSUM PLASTER CEILING GRADE
ontr oord orr prs prs s s s s s s s s s s s s s s s	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK	GLZ GLZCMU GND GPC GR GRBM GRLN	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE
ONTR OORD ORR PR PRS PT RS SG SG SK SMT SWK T TB	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE	GLZ GLZCMU GND GPC GR GRBM GRLN GSB	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD
ONTR OORD ORR PR PRS PT RS SG SG SG SK SMT SWK T TB TF	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE	GLZ GLZCMU GND GPC GR GRBM GRLN	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE
ONTR OORD ORR PR PRS PT RS SG SG SK SMT SWK T TB TB TF TG TR	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE
ONTR OORD ORR PR PRS PT RS SG SG SK SMT SWK T TB TF TG TG TR UFT	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET
ONTR OORD ORR PR PRS PT RS SG SG SK SMT SWK T TB TF TG TF TG TR UFT UIN UST	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC FOOT CUBIC INCH CUSTODIAN	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM
ONTR OORD ORR PR PRS PT RS SG SG SK SMT SWK T TB TF TG TF TG TR UFT UIN UST UYD	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC INCH	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GVL GYP GYP BD	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL
ONTR OORD ORR PR PRS PT RS SG SG SK SMT SWK T TB TF TG TR UFT UIN UST UYD W	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC INCH CUSTODIAN CUBIC YARD	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP GYP BD H	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD
ONTR OORD ORR PR PRS PT RS SG SK SMT SWK T TB TF TG TR UFT UIN UST UYD W	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC FOOT CUBIC INCH CUSTODIAN CUBIC YARD CURTAIN WALL	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP GYP BD H HB HC	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD HOSE BIB HOLLOW CORE
ONTR OORD ORR PR PRS PT RS SG SK SMT SWK T TB TF TG TF TG TR UFT UIN UST UYD W	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC INCH CUSTODIAN CUBIC YARD CURTAIN WALL	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP GYP BD H HB	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD
ONTR OORD ORR PR PRS PT RS SG SK SMT SWK T TB TF TG TR UFT UIN UST UYD W	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC INCH CUSTODIAN CUBIC YARD CURTAIN WALL DRAIN PENNYWEIGHT (NAILS) DOUBLE ACTING DOUBLE	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP GYP BD H HB HC HD HDAS HDJT	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD HOSE BIB HOLLOW CORE HEAVY DUTY HEADED ANCHOR STUD HEAD JOINT
ONTR OORD ORR PRS PT RS SG SK SMT SWK T TB TF TG TR UFT UIN UST UYD W A BL EG	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC FOOT CUBIC INCH CUBIC INCH CUBIC YARD CUBIC YARD CURTAIN WALL DRAIN PENNYWEIGHT (NAILS) DOUBLE ACTING	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP GYP BD H HB HC HD HDAS	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD HOSE BIB HOLLOW CORE HEAVY DUTY HEADED ANCHOR STUD
ONTR OORD ORR PR PRS SS SS SS SS SS SS SS SS SS SS SS SS S	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC FOOT CUBIC INCH CUSTODIAN CUBIC YARD CURTAIN WALL DRAIN PENNYWEIGHT (NAILS) DOUBLE ACTING DOUBLE DEGREES DEMOLISH, DEMOLITION DEPRESSED	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP GYP BD H HB HC HD HDAS HDJT HDR HDW HDWD	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD HOSE BIB HOLLOW CORE HEAVY DUTY HEADED ANCHOR STUD HEAD JOINT HEADER HARDWARE HARDWOOD
ONTR OORD ORR PR PRS SS SS SS SS SS SS SS SS SS SS SS SS S	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC FOOT CUBIC FOOT CUBIC FOOT CUBIC YARD CURTAIN WALL DRAIN PENNYWEIGHT (NAILS) DOUBLE ACTING DOUBLE DEGREES DEMOLISH, DEMOLITION DEPRESSED DEPARTMENT DETAIL	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP BD H HB HC HD HDAS HDJT HDR HDW HDWD HEX HGR	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD HOSE BIB HOLLOW CORE HEAVY DUTY HEADED ANCHOR STUD HEAD JOINT HEADER HARDWARE HARDWOD HEXAGONAL HANGER
ONTR OORD ORR PR PRS SS SS SS SS SS SS SS SS SS SS SS SS S	COMPRESS(ED), (ION), (IBLE) CARPET COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT CASEWORK CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR COATING CENTER CUBIC FOOT CUBIC INCH CUSTODIAN CUBIC YARD CURTAIN WALL DRAIN PENNYWEIGHT (NAILS) DOUBLE ACTING DOUBLE DEGREES DEMOLISH, DEMOLITION DEPRESSED DEPARTMENT	GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GT GVL GYP BD H HB HC HD HDAS HDJT HDR HDW HDWD HEX	GROUND GYPSUM PLASTER CEILING GRADE GRADE BEAM GRADE LINE GYPSUM SHEATHING BOARD GALVANIZED SHEET METAL GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM GYPSUM BOARD HOSE BIB HOLLOW CORE HEAVY DUTY HEADED ANCHOR STUD HEAD JOINT HEADER HARDWARE HARDWOD HEXAGONAL

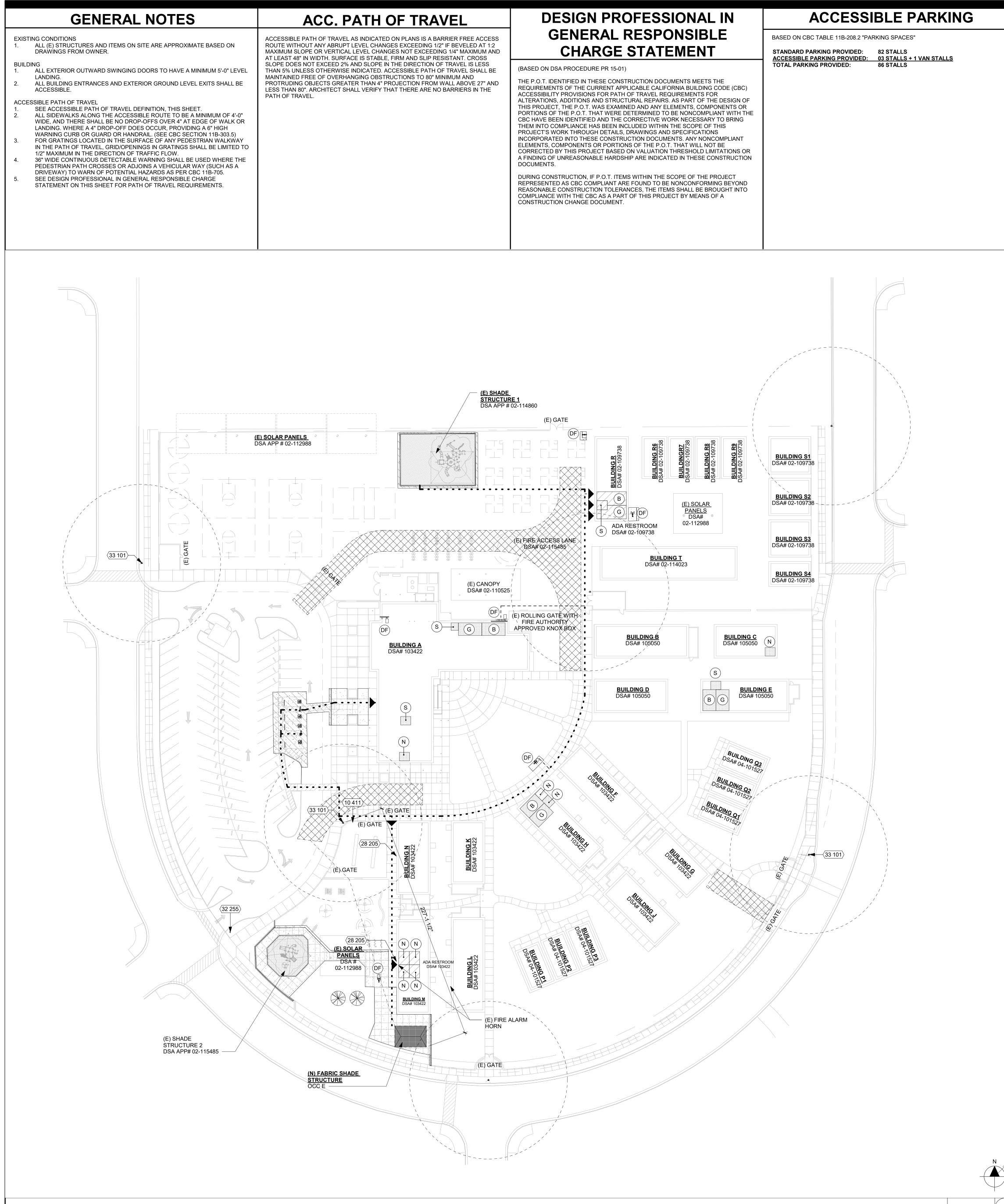
ARCHITECTURAL DRAWING ABBREVIATIONS

HITEC	CTURAL DRAWING ABBREVIAT
HORIZ HPT HR	HOLLOW METAL FRAME HANDRAIL HORIZONTAL HIGH POINT HOUR
HVAC HWH	
I ID INCL INFO INSTL INSUL INT INV IPS ISA	INFORMATION INSTALL INSULATE(D), (ION)
J JAN JST JT	JANITOR JOIST JOINT
k Kit Ko Kpl	KITCHEN KNOCKOUT KICKPLATE
LAD LAM LAV LB(S) LBL LBR LDR LF LG LH LHR LKNT LKR LKWASH LLH LLV LMST LNSCP LNTL LP LPT LT LT LT LT LT LT LT LT V LVL	LAMINATE LAVATORY POUND(S) LABEL LUMBER LAEL LUMBER LEADER LUMEALFOOT LENGTH,LONG LEFT HAND REVERSE LOCKNUT LOCKER LOCKWASHER LOCKWASHER LONG LEG HORIZONTAL LONG LEG HORIZONTAL LONG LEG VERTICAL LIMSTONE LANDSCAPE(D) LINTEL LIGHTPROOF LOW POINT LIGHT LIGHTWEIGHT CONCRETE LIGHTWEIGHT INSULATING CONCRETE MAINTAIN(ANCE) MASONRY MATERIAL MAXIMUM MACHINE BOLT MEDIGINE CABINET METAL CORKE BEAD MEDIGINE CABINET METAL COOR DECKING MANUFACTUR(ER) MAIROR MIRCR MISCALAMEDISA
MRB MRD MS MTD MTL MTR MULL N (N) N NAT NCOMBL NE NF NIC NLB NM NO NOM NR NRC NRCA NS NTS	MOUNTED METAL MORTAR MULLION NEW NORTH NATURAL NONCOMBUSTIBLE NOT EXCEEDING NEAR FACE NOT IN CONTRACT NON-LOAD BEARING NONMETALLIC NUMBER NOMINAL NOISE REDUCTION COEFFICIENT
O O/ O/O OA OBS OC OC OD OFCI OFF OFOI OFS OHMS OHWS OI OPH OPNG OPP OPQ OPR OPQ OPR ORD OSB OVFL OVHD	OVER OUT TO OUT OVERALL OBSCURE ON CENTER OCCUPANTS OR OCCUPANCY OUTSIDE DIAMETER OWNER FURNISHED CONTRACTOR INSTALLED OFFICE OWNER FURNISHED OWNER INSTALLED OUTSIDE FACE OF STUD OVALHEAD MACHINE SCREW OVALHEAD WOOD SCREW OVNER INSTALLED OPPOSITE HAND OPENING OPPOSITE OPAQUE OPERABLE OVERFLOW ROOF DRAIN ORIENTED STRAND BOARD OVERFLOW
P PA PAR PAT PB PBD PC PCC PCP	PAINT PUBLIC ADDRESS PARALLEL PATTERN PANIC BAR PARTICLE BOARD PORTLAND CEMENT PRECAST CONCRETE PORTLAND CEMENT PLASTER

PED	PEDESTAL
PERF PERIM	PERFORATED PERIMETER
PERP	PERPENDICULAR
PGBD PH	PEGBOARD PHASE
PHS	PHILLIPS HEAD SCREW
PI PIV	POINT OF INTERSECTION POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PLAM PLAS	PLASTIC LAMINATE PLASTER
PLYWD	PLYWOOD
PM PMF	PRESSED METAL PRESSED METAL FRAME
PNEU	PNEUMATIC
PNL PNT	PANEL PAINT(ED)
POL	POLISHED
POLY PORC	POLYETHYLENE PORCELAIN
PORT	PORTABLE
PR PRCST	PAIR PRECAST
PREFAB	PREFABRICATED
PREFIN PREFMD	
PRKG	PARKING
PRML PROJ	PREMOLDED PROJECT
PROP	PROPERTY
PSCONC PT	PRESTRESSED CONCRETE POINT
PTD	PAPER TOWEL DISPENSER
PTDF PTN	PRESSURE TREATED DOUGLAS FIR PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC PVG	POLYVINYL CHLORIDE PAVE(D), (ING)
PVMT	
Q	
QT	QUARRY TILE
QTB QTF	QUARRY TILE BASE QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY
R	
R RA	RISER RETURN AIR
RAB	RABBET
RAD RB	RADIUS RESILIENT BASE
RBR	
RCP RCVR	
RD	ROOF DRAIN
RDWY REBAR	ROADWAY REINFORCING STEEL BARS
REC	RECESSED
RECT RECYL	
REF	
REFL REFR	REFLECT(ED), (IVE), (OR) REFRIGERATOR
REG REINF	REGISTER REINFORCED
REM	REMOVE(ABLE)
REP REPL	REPAIR REPLACE
REQD	REQUIRED
RESIL RET	RESILIENT RETURN
REV	
RF RFG	RESILIENT FLOORING ROOFING
RFH	ROOF HATCH
RGDINS RH	RIGID INSULATION RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR RHWS	RIGHT HAND REVERSE ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG RM	RAILING ROOM
RND	ROUND
RO ROW	ROUGH OPENING RIGHT OF WAY
RR	RESTROOM
RS RTF	ROUGH SAWN RUBBER TILE FLOORING
RTU	
RV RVL	ROOF VENT REVEAL
RVS RVT	REVERSE (SIDE) RIVET(ED)
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	
S S2S	SOUTH SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA SALV	SUPPLY AIR SALVAGE
SAM	SELF-ADHERED MEMBRANE
SAT SB	SUSPENDED ACOUSTICAL TILE SPLASH BLOCK
SBSTR	SUBSTRATE
SC SCD	SOLID CORE SEAT COVER DISPENSER
SCHED SCP	SCHEDULE
SCP SCRN	SCUPPER SCREEN
SD	
SDBL SEC	SANDBLAST SECONDS
SECT SEP	SECTION SEPERATE OR SEPERATION
SF	SQUARE FEET, STOREFRONT
SGL SHR	SINGLE SHOWER
SHT	SHEET(ING)
SHTG SHV	SHEATHING SHELVES(ING)
SIM	SIMILAR
SK SKLT	SINK SKYLIGHT
SLD	SEALED
SLDG SLDR	SLIDE(ING) SOLDER
SLNT	SEALANT
SLV SM	SLEEVE
	SHEET METAL
SMACNA	SHEET METAL SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SMLS	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS
	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SMLS SMS SND SNDINS	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION
SMLS SMS SND	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER
SMLS SMS SND SNDINS SNDU SNT SP	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES
SMLS SMS SND SNDINS SNDU SNT SP SPC SPD	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES SUSPENDED PLASTER CEILING SOAP DISPENSER
SMLS SMS SND SNDINS SNDU SNT SP SPC SPD SPEC	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES SUSPENDED PLASTER CEILING SOAP DISPENSER SPECIFICATION(S)
SMLS SMS SND SNDINS SNDU SNT SP SPC SPD SPEC SPRT SQ	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES SUSPENDED PLASTER CEILING SOAP DISPENSER SPECIFICATION(S) SUPPORT SQUARE
SMLS SMS SND SNDINS SNDU SNT SP SPC SPD SPEC SPRT	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES SUSPENDED PLASTER CEILING SOAP DISPENSER SPECIFICATION(S) SUPPORT

		SY	SYMBOLS LEGEND			
ST STA STAG STC	STREET STATION STAGGERED SOUND TRANSMISSION CLASS	N	N = PLAN NORTH ARROW ADDITIONAL ARROW INDICATES TRUE NORTH			
STD STG STIF STIR	STANDARD SEATING STIFFENER STIRRUP		X = BUILDING SECTION NUMBER AX.X = SHEET NUMBER			
STL STOR STR STRUC STU	STEEL STORAGE STRAIGHT STRUCTURAL STRUCT	X AX.X	X = WALL SECTION NUMBER AX.X = SHEET NUMBER			
SUSP SV SYMM SYNTH	SUSPENDED SHEET VINYL SYMMETRICAL SYNTHETIC	AX.X	X = EXTERIOR ELEVATION NUMBER AX.X = SHEET NUMBER			
SYS T T T24	SYSTEM TEMPERED, TOILET, TREAD TITLE 24	W AX.X E	X = INTERIOR ELEVATION NUMBER AX.X = SHEET NUMBER N,S,E,W = INDICATES CARDINAL DIRECTION			
T&B T&G TB TBE	TOP AND BOTTOM TONGUE & GROOVE THRU BOLT THREADED BOTH ENDS	S (A)	GRID LINE, FACE OF STRUCTURE			
TD TDR TEL TEMP	TOWEL DISPENSER TOWEL DISPENSER/RECEPTACLE TELEPHONE TEMPORARY	(A)— — —	GRID LINE, CENTER OF STRUCTURE			
TER TFA TFB THD	TERRAZZO TO FLOOR ABOVE TO FLOOR BELOW THREAD(ED)	- -	ELEVATION OR DATUM POINT			
THERM THK THRES THRU TKBD	THERMAL THICK THRESHOLD THROUGH TACKBOARD		WORK POINT			
TMPD TO TOB TOC	TEMPERED TOP OF TOP OF BEAM TOP OF CURB OR TOP OF CONCRETE					
TOF TOFF TOJ TOL TOM TOP	TOP OF FOOTING TOP OF FINISH FLOOR TOP OF JOIST TOLERANCE TOP OF MASONRY TOP OF PARAPET		REFERENCE DETAIL X = DETAIL DRAWING NUMBER AX.X = SHEET NUMBER			
TOPV TOS TOSL TOST	TOP OF PAVEMENT TOP OF SHEATHING TOP OF SLAB TOP OF STEEL	AX.X 20 / AX.X	MATCH LINE AND AREA DESIGNATOR			
TOW TPD TPTN TRANS	TOP OF WALL OR TOP OF WALK TOILET PAPER DISPENSER TOILET PARTITION TRANSITION	ROOM NAME	SHADED PORTION IS THE SIDE CONSIDERED ROOM NAME AREA IDENTIFICATION:			
TS TV TWLB TYP	TUBE STEEL TELEVISION TOWEL BAR TYPICAL	<u> </u>	A = BUILDING OR AREA DESIGNATION 1 = FLOOR NUMBER 19 = ROOM NUMBER			
U UC UGND UL	UNDERCUT UNDERGROUND UNDERWRITER'S LABORATORY	$\langle A \rangle$	WINDOW, STOREFRONT, OR CURTAINWALL SEE WINDOW SCHEDULE			
UNFIN UON UR URM	UNFINISHED UNLESS OTHERWISE NOTED URINAL UNREINFORCED MASONRY	(A101A)	DOOR NUMBER, SEE DOOR SCHEDULE KEYNOTE			
UTIL V VAR	UTILITY VARIES	⟨08 211 ⟩	08 = SPECIFICATION DIVISIONAL PREFIX 2 = SPECIFICATION SUBSECTION PREFIX 11 = NOTE NUMBER			
VB VCT VER VERT	VINYL BASE VINYL COMPOSITION TITLE VERIFY VERTICAL		REVISION			
VEST VF VFAT VIF	VESTIBULE VINYL FABRIC VINYL FACED ACOUSTIC TILE VERIFY IN FIELD	(102) 36" x 24" x 24" LOCKABLE	<u>CASEWORK TAG</u> 102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER 36" x 24" x 24" = WIDTH x HEIGHT x DEPTH LOCKABLE = MODIFYING NOTE			
VJ VNR VR VTR VWC	V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING		NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO PLANS FOR COUNTERTOP TYPE			
W W W.O.	WEST WHERE OCCURS	41	<u>PATH OF EGRESS</u> 41 = OCCUPANT LOAD STARTING POINT OF PATH OF TRAVEL TO EXIT MARKED BY DOT AT THE BEGINNING OF EGRESS LINE			
W/ W/O W/W WBL	WITH WITHOUT WALL TO WALL WOOD BLOCKING	₽	PANIC HARDWARE DEVICE - REFERENCE DOOR			
WC WD WDP WDW	WATER CLOSET WOOD WOOD PANELING WINDOW	(S1)	SIGNAGE TAG			
WF WFS WGL WH WH	WIDE FLANGE WOOD FURRING STRIP WIRED GLASS WATER HEATER WALL HUNG					
WI WID WLD WM	WALL HUNG WROUGHT IRON WIDTH, WIDE WELD(ED) WIRE MESH					
WP WPT WR WS	WATERPROOF(ING) WORKING POINT WIRE ROPE WOOD SCREW					
WSCT WT WWF	WAINSCOT WEIGHT WELDED WIRE FABRIC					
X XBRACE XFMR XSECT	CROSS BRACE TRANSFORMER CROSS SECTION					
Y YCO YD	YARD CLEANOUT YARD					
		MAT	FERIALS LEGEND			
		EARTH POROUS GRAVEL, CONCRET GROUT GROUT STEEL FINISHED LANK	TE GYPSUM BOARD TE METAL LATH AND PLASTER WOOD			
		WOOD BL WOOD FF				





LOCAL FIRE AUTHORITY REVIEW

ADSA

Buildings.

810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages. To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan. For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for

	nool District/Owner: Washington Unified School District.				
Pro	ject Name/School: Bridgeway Island Elementary School.				
Pro	ject Address: 3255 Half Moon Bay Circle, West Sacramento, CA 95691				
FIR	E & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes 🗆		No 🗹	
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes 🗆		No 🗹	
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes 🗆	Yes 🗆		
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate 🗆	High 🗆	Very High D	
	Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)				

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FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED				
4.	Emergency vehicle access roadways do not meet CFC requirements.	Yes	No	N/A	N/R	
				~		
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.					
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			~		
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.					
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			~		
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.					
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			~		
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.					
Schoo	School District Acceptance of Acceptable Design Alternates					
Buildir	by signing this form, the school district acknowledges and accepts the proposed design as an alternative to California building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.					

Accepted by:

LOCAL FIRE AUTHORITY (LF	A) INFORMATION	
LFA Agency Name: West Sacramento Fire Department		
LFA Review Official: Bryan Jor	nson	
Title: Fire Marshal		Work Phone: (916) 617-4608
Work Email: bryanj@cityofwestsacramento.org		
LFA Reviewer's Signature:	Bs- J:	igitally signed by Bryan Jonson 02/22/24 ate: 2024.02.22 12:10:51 -08'00' Date:

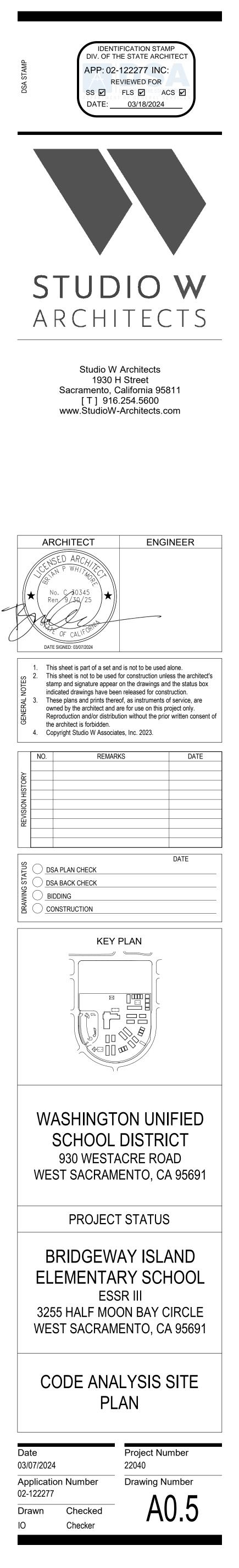
Title:

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STATE OF CALIFORNIA

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

	KEY NOTES	COL	DE ANALYSIS
NUMBER NOTE		BUILDING NAME	FABRIC SHADE STRUCTURE
10 411 EMERGENCY KE 28 205 FIRE HORN	Y CABINE I	BUILDING CONDITION	NEW
	N (SEE DETAIL 11/A10.2.1.) DEMO (E) SEE CIVIL DWGS.)	OCCUPANCY (CBC SECTION 302)	E
33 IUI FIRE HIDRANI (15'-0"
			1
		OF A NEW OR EXISTING BUILDING DC BUILDING. WHEN LOCATED WITHIN THE FRONTA FRONTAGE HAS BEEN USED FOR AN EXCEED 1/3 OF THE PROJECTED HORIZONTAL AREA REFER TO IMAGE BELOW FOR SS AR AREA INCREASE. FIRE SPRINKLERS: ALTHOUGH EXIST PER DSA IR 31-1 SECTION 6, AN "AUTO REQUIRED FOR FREE-STANDING SHA SPRINKLERS HAVE BEEN ADDED TO D FIRE ALARM: PER DSA IR 31-1, " OCCI CAPABLE OF HEARING THE CAMPUS FOR LOCATION OF FIRE ALARM NOTIFICAT STRUCTURE.	OFOR LOCATION WITHIN THE FRONTAGE AREA ONOT INCREASE THE FLOOR AREA OF THAT AGE AREA OF A BUILDING WHERE THE AREA FACTOR INCREASE, THE SS SHALL NOT OF THE FRONTAGE AREA WHERE LOCATED." EA IN FRONT OF BUILDING FRONTAGE. NO TING SCHOOL/BUILDING IS FULLY SPRINKERED, OMATIC FIRE SPRINKLER SYSTEM IS NOT ADE STRUCTURES"THEREFORE, NO NEW SHADE STRUCTURES. UPANTS OF SHADES STRUCTURE SHALL BE FIRE ALARM SIGNAL". REFER TO SITE PLAN TION APPLIANCES ADJACENT TO SHADE
BUILDING	DSA APPLICATIONS	LI	EGEND
BUILDING ID	DSA APPLICATION NUMBER(S)		
BUILDING A	02-103422, 02-112932, 02-114189, 02-117373		
	02-105050, 02-112932, 02-114189	(E) I	BUILDING, NOT UNDER SCOPE OF WORK
BUILDING C BUILDING D	02-105050, 02-112932, 02-114189 02-105050, 02-112932, 02-114189		
BUILDING E	02-105050, 02-112932, 02-114189		
BUILDING F	02-103422, 02-112932, 02-114189	BUI	LDING UNDER SCOPE OF WORK
BUILDING G	02-103422, 02-112932, 02-114189		
BUILDING H	02-103422, 02-112932, 02-114189		0" WIDE MINIMUM CLEAR FIRE ACCESS LANE
BUILDING J	02-103422, 02-112932, 02-114189		WIDE MINIMUM CLEAR FIRE ACCESS LANE
BUILDING K	02-103422, 02-112932, 02-114189]	
BUILDING L	02-103422, 02-112932, 02-114189		
BUILDING M	02-103422, 02-112932, 02-114189		
	02-103422, 02-112932, 02-114189	-	G GIRLS B BOYS
BUILDING P1 BUILDING P2	02-109023, 02-114189, 02-117373 02-109023, 02-114189, 02-117373	- (S ALL GENDER STAFF (SINGLE OCCUPANCY)
BUILDING P2 BUILDING P3	02-109023, 02-114189, 02-117373	-	N ALL GENDER STUDENT (SINGLE OCCUPANCY)
BUILDING Q1	02-109023, 02-114189		
BUILDING Q2	02-109023, 02-114189		~
BUILDING Q3	02-109023, 02-114189		STING BATHROOM FACILITIES:
BUILDING R	02-109738		W) WOMENS (M) MENS
BUILDING R6	02-109738		
BUILDING R7	02-109738		S) ALL GENDER STAFF (SINGLE OCCUPANCY)
BUILDING R8	02-109738		N) ALL GENDER STUDENT (SINGLE OCCUPANCY)
BUILDING R9	02-109738	_	
BUILDING S1 BUILDING S2	02-109738		
BUILDING S3	02-109738	-	
BUILDING S4	02-109738		CESSIBLE PATH OF TRAVEL, SEE
BUILDING T	02-114023	DEF	FINITION ON THIS SHEET
CANOPY	02-110525	PRC	OPERTY LINE
SHADE STRUCTURE 1	02-114860		
SHADE STRUCTURE 2	02-115485		E HYDRANT AND 75' RADIUS CIRCLE
			CATION OF ACCESSIBLE EXTERIOR EXIT ORS, ENTRANCES, AND EGRESS



CIVIL ABBREVIATIONS AND LEGEND

		L	EGEND
NOTE:	ABBREVIATIONS		L SYMBOLS MAY
	BE USED ON THESE PLANS.		THESE PLANS.
AB AC	AGGREGATE BASE ASPHALTIC CONCRETE		& DRAINAGE SYMBOLS:
AD APN	AREA DRAIN ASSESSOR'S PARCEL NUMBER	8" SD	STORM DRAIN LINE (SIZE AND FLOW SHOWN)
ARV ASB	AIR RELEASE VALVE AGGREGATE SUB–BASE	——	STORM DRAIN MANHOLE
BO BV	BLOW–OFF VALVE BUTTERFLY VALVE		(SDMH)
BW	BACK OF WALK CENTERLINE	_	CATCH BASIN (CB)
C/L CB	CATCH BASIN		DROP INLET (DI)
CL CMP CATV	CLASS CORRUGATED METAL PIPE CABLE TELEVISION	——	AREA DRAIN (AD)
CO COMM CONC.	CABLE TELEVISION CLEANOUT COMMUNICATION CONCRETE	—— •	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
CONST. CR	CONSTRUCT CURB RETURN	O co	STORM DRAIN CLEANOUT
CS DC	CONCRETE SURFACE	99.99	ELEVATION
DDC	DOUBLE CHECK VALVE DOUBLE DETECTOR CHECK VALVE	FF=100.00	FINISHED FLOOR ELEVATION
DG DI	DECOMPOSED GRANITE DROP INLET	PAD=99.33	BUILDING PAD ELEVATION
DIA DIP	DIAMETER DUCTILE IRON PIPE		CONCRETE SIDEWALK
DWG DS	DRAWING DOWNSPOUT	<u> </u>	GRADED DIRECTION FOR
E EP	ELECTRIC EDGE OF PAVEMENT	\rightarrow	DRAINAGE FLOW
ESMT EX	EASEMENT EXISTING	\longrightarrow	SWALE
FS FDC	FIRE SERVICE LINE FIRE DEPARTMENT CONNECTION		SLOPE
FL FM	FLOWLINE SANITARY SEWER FORCE MAIN	\$ ` \$	TREE TO BE REMOVED
FF FH	FINISHED FLOOR ELEVATION FIRE HYDRANT		RETAINING WALL
G GR	GAS GRATE ELEVATION	PROPOSED SANITARY	SEWER SYMBOLS:
GRD GV HB	GRADE ELEVATION GATE VALVE HOSE BIBB	6" SS	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
HBD HDPE HP	HEADER BOARD HIGH DENSITY POLYETHYLENE PIPE HIGH POINT	\bullet	SANITARY SEWER MANHOLE (SSMH)
INV JP LF	PIPE INVERT ELEVATION JOINT UTILITY POLE LINEAL FEET	 CO	SEWER CLEANOUT FLUSHER BRANCH
LIP LT	LIP OF GUTTER LEFT	PROPOSED WATER S	YMBOLS:
MS NTS	MOWSTRIP NOT TO SCALE	——	WATER LINE & SIZE
OH PCC	OVERHEAD PORTLAND CEMENT CONCRETE		FIRE LINE & SIZE
PD PIV	PLANTER DRAIN POST INDICATOR VALVE		DOMESTIC WATER LINE & SIZE
P/L PP	PROPERTY LINE POWER POLE	<u>8" DW</u> 	RECLAIMED WATER LINE & SIZE
PUE PVC	PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE		
RCP R	REINFORCED CONCRETE PIPE		IRRIGATION SERVICE LINE & SIZE
RIM	RADIUS MANHOLE RIM ELEVATION (SOLID COVER)		NON POTABLE WATER LINE & SIZE
RP RW	REDUCED PRESSURE BACKFLOW PREVENTER RIGHT OF WAY	8" SP	FIRE SPRINKLER SERVICE LINE & SIZE
SCH SD	SCHEDULE STORM DRAIN	— 	GATE VALVE
SDMH SG	STORM DRAIN MANHOLE SUBGRADE ELEVATION	M	WATER METER
SS SSMH	SANITARY SEWER SANITARY SEWER MANHOLE	−− → FH	FIRE HYDRANT ASSEMBLY
STD S/W	STANDARD SIDEWALK	Y FDC DC	FIRE DEPARTMENT CONNECTION
T TC	TELEPHONE TOP OF CURB	DDC	DETECTOR CHECK VALVE
TD TDCB	TRENCH DRAIN TRENCH DRAIN CATCH BASIN	RP	DOUBLE DETECTOR CHECK VALVE
TP TR	TELEPHONE POLE TOP OF RAMP ELEVATION		REDUCED PRESSURE BACKFLOW PREVENTER
TRW TSW	TOP OF RETAINING WALL TOP OF SEAT WALL	<u>\</u>	BUTTERFLY VALVE
TW U	TOP OF WALK ELEVATION UTILITY	1" 1"	AIR RELEASE VALVE + SIZE
UG	UNDERGROUND		
UON VCP	UNLESS OTHERWISE NOTED VITRIFIED CLAY PIPE	PIV	BLOW-OFF VALVE + SIZE
W W/	WATER WITH	→→	POST INDICATOR VALVE
W/O WV	WITHOUT WATER VALVE		

DEMOLITION GENERAL NOTES

- REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
- 2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- 6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- 9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
- 10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
- 11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
- 12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
- 13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

GENERAL NOTES

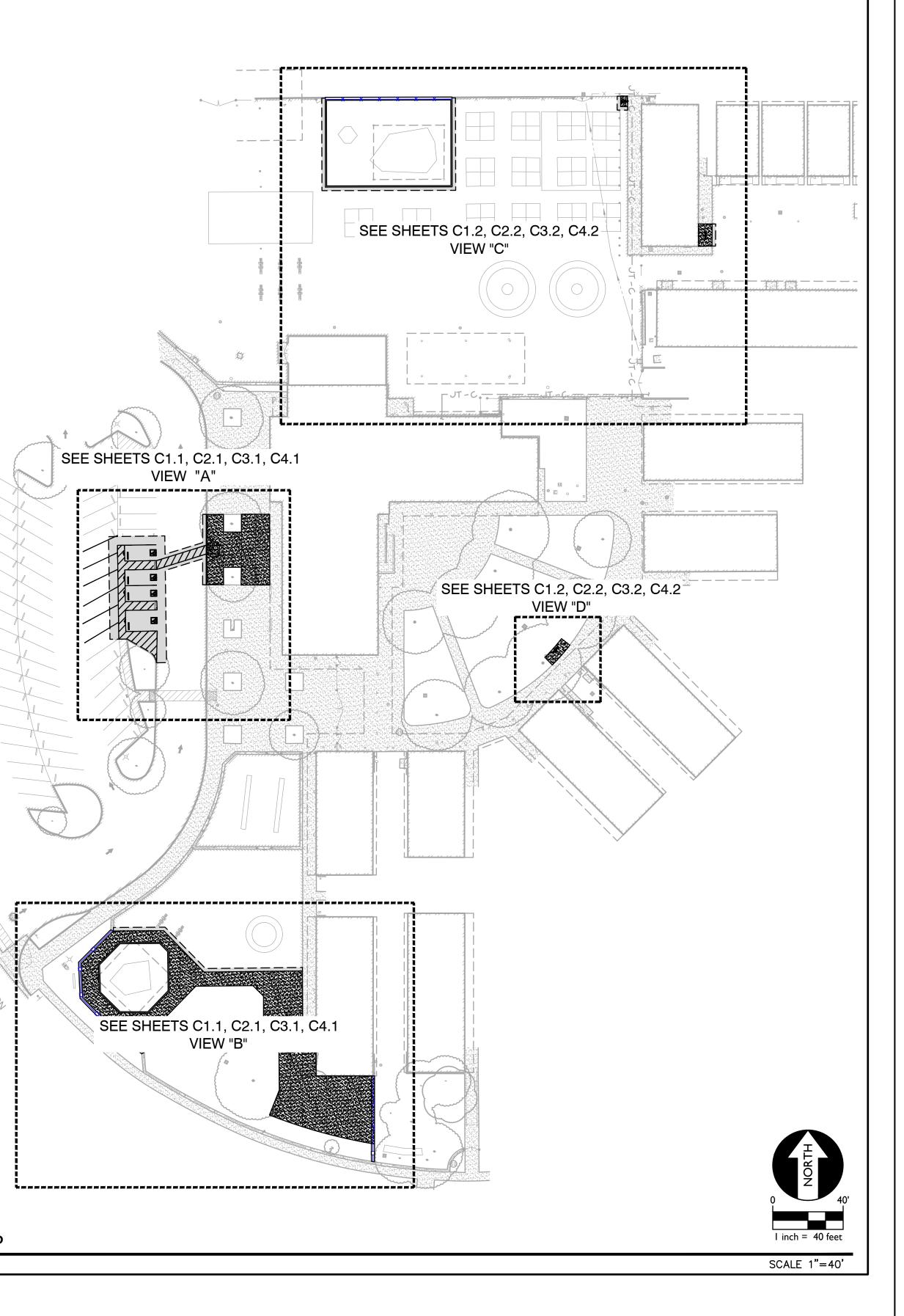
THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER. WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.



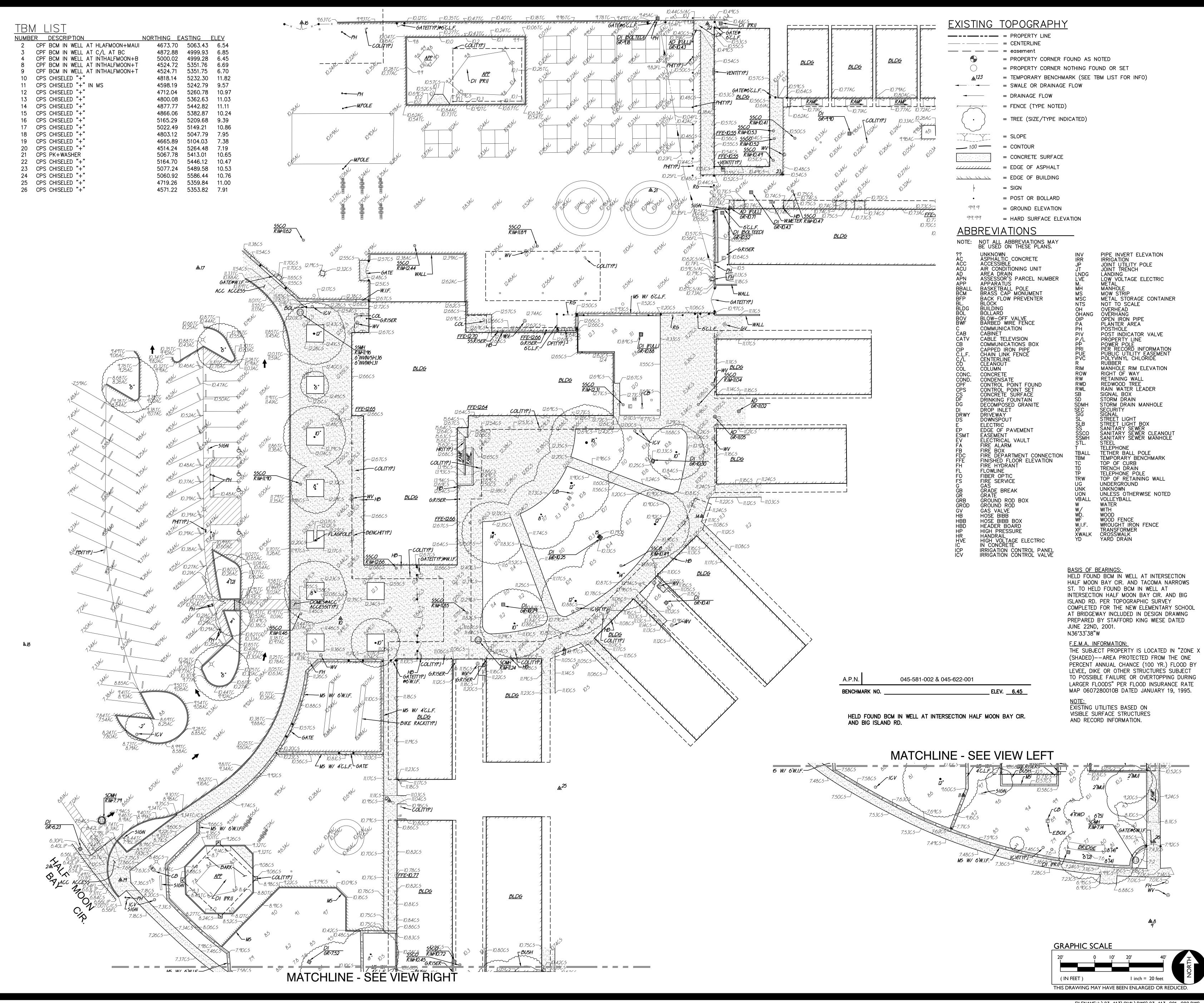
- WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
- 3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND 9 STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK ... IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- 10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
- 11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS. 12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS.
- SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
- 13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
- 14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
- 15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
- 16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN. 17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY
- WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE. 18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE
- SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE. 19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO
- INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING. 20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND
- A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION. 21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO
- EXISTING CONCRETE PER DRAWING DETAIL. 22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- 23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
- 24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
- 25. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
- 26. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
- 27. ALL TRANSITIONS TO EXISTING PAVEMENT SHAL BE A SMOOTH AND LEVEL TRANSITION.
- 28. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
- 29. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
- 30. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING. 31. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
- 32. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES 0.0% DEFINED BY SPOT ELEVATIONS.
- 33. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.8% IN ANY DIRECTION.
- 34. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY
- CURB OR STEP. 35. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
- 36. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1%.

IVIL SHEET INDEX

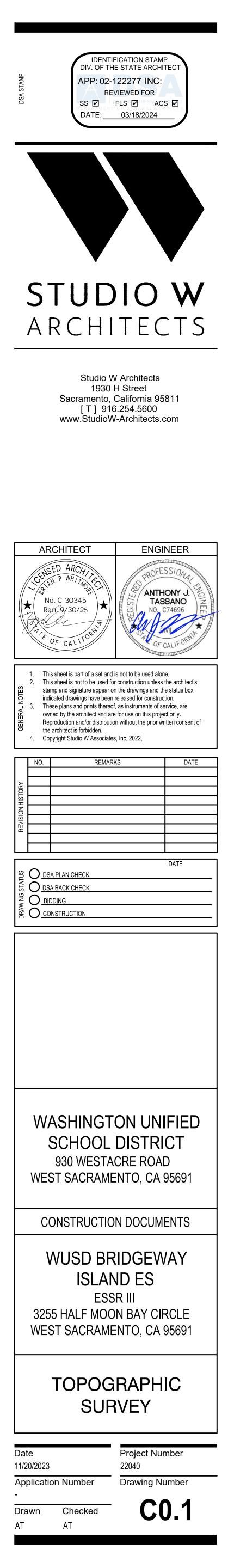
- CO.0 CIVIL GENERAL NOTES AND ABBREVIATIONS
- CO.1 TOPOGRAPHIC SURVEY
- CO.2 UTILITY SURVEY
- C1.1 DEMOLITION PLAN
- C1.2 DEMOLITION PLAN
- C2.1 GRADING PLAN
- C2.2 GRADING PLAN
- C3.1 UTILITY PLAN
- C3.2 UTILITY PLAN
- C4.1 PAVING AND STRIPING PLAN
- C4.2 PAVING AND STRIPING PLAN
- C5.1 DETAILS AND SECTIONS

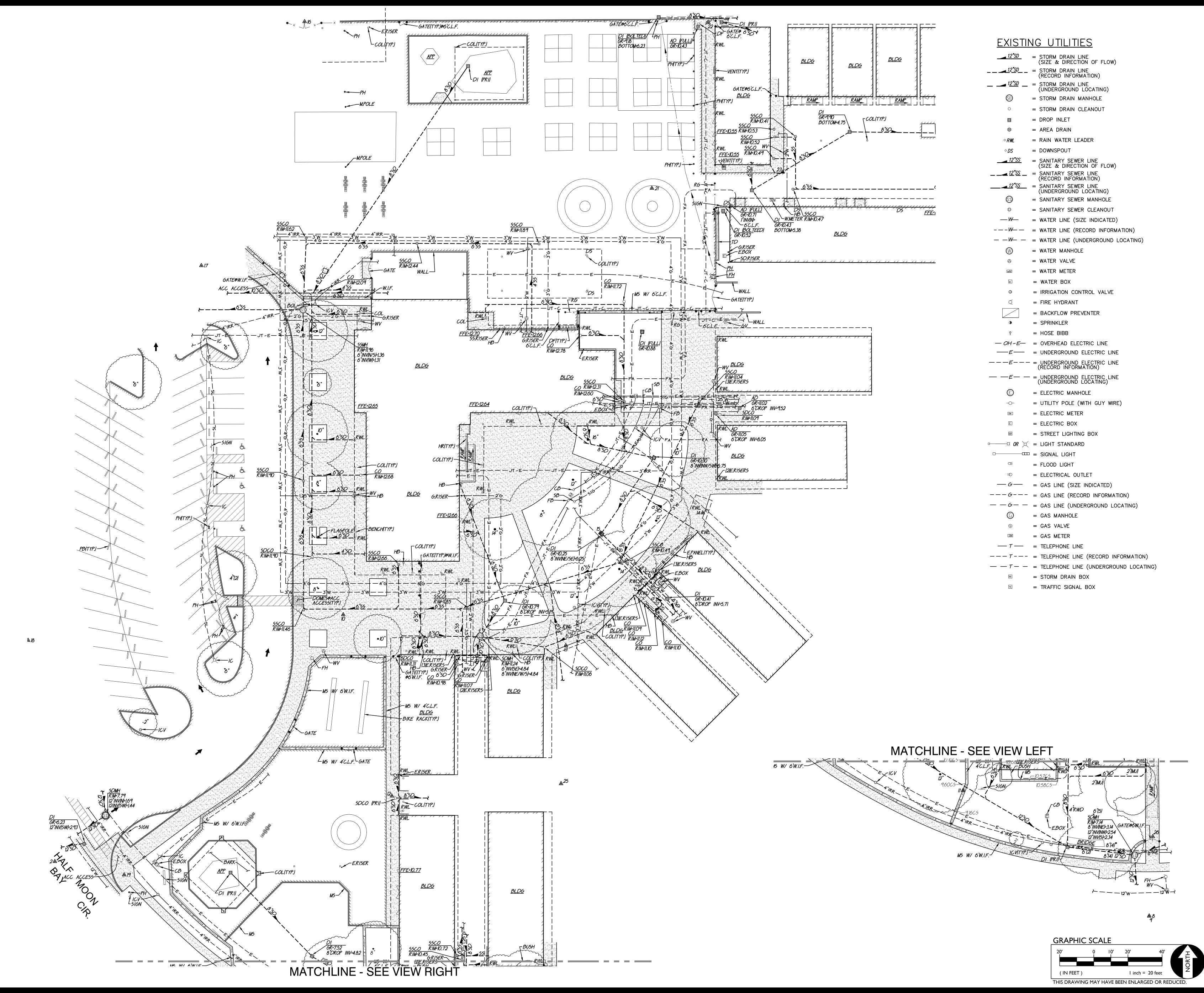


IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122277 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 03/18/2024		
STUDIO W ARCHITECTS		
Studio W Architects 1930 H Street Sacramento, California 95811 [T] 916.254.5600 www.StudioW-Architects.com		
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WASHINGTON UNIFIED SCHOOL DISTRICT 930 WESTACRE ROAD WEST SACRAMENTO, CA 95691 CONSTRUCTION DOCUMENTS		
WUSD BRIDGEWAY ISLAND ES ESSR III 3255 HALF MOON BAY CIRCLE WEST SACRAMENTO, CA 95691		
CIVIL GENERAL NOTES AND ABBREVIATIONS		
Date 11/20/2023 Project Number 22040 Drawing Number - Drawn Checked AT AT Checked		



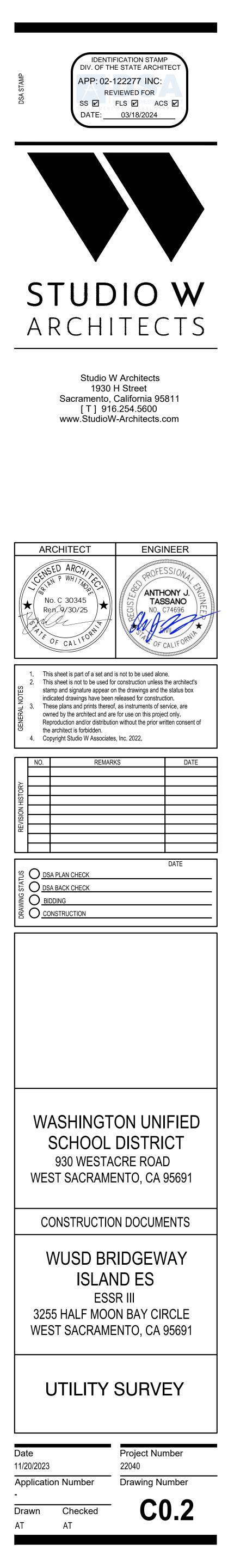
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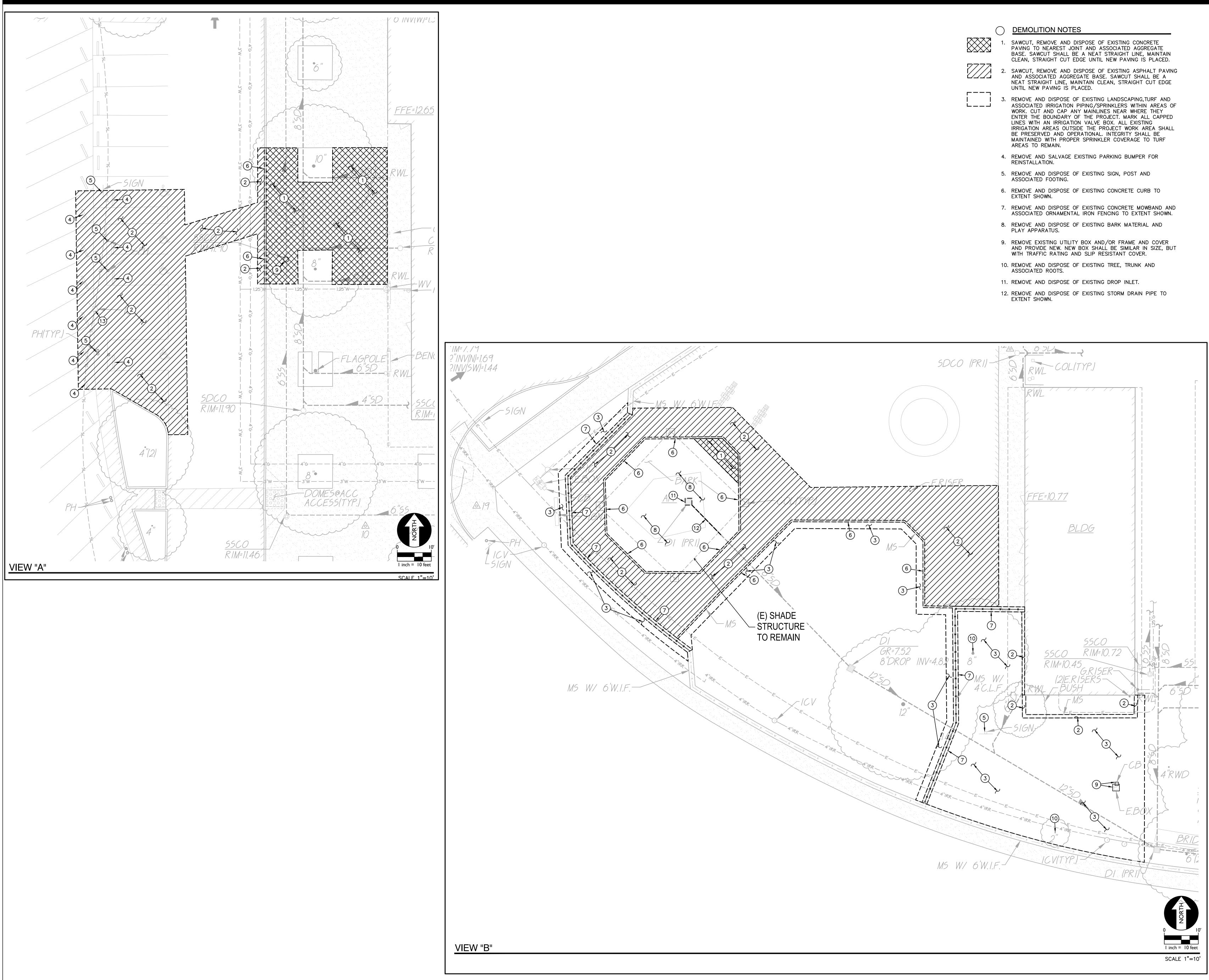


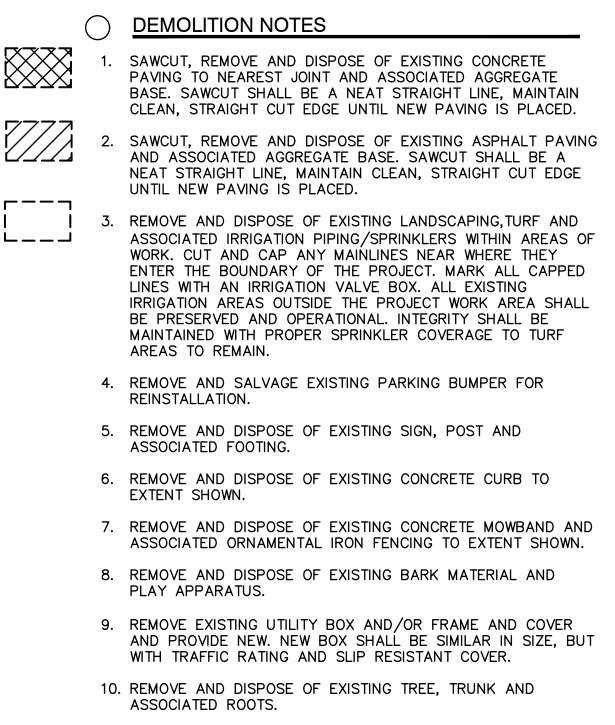


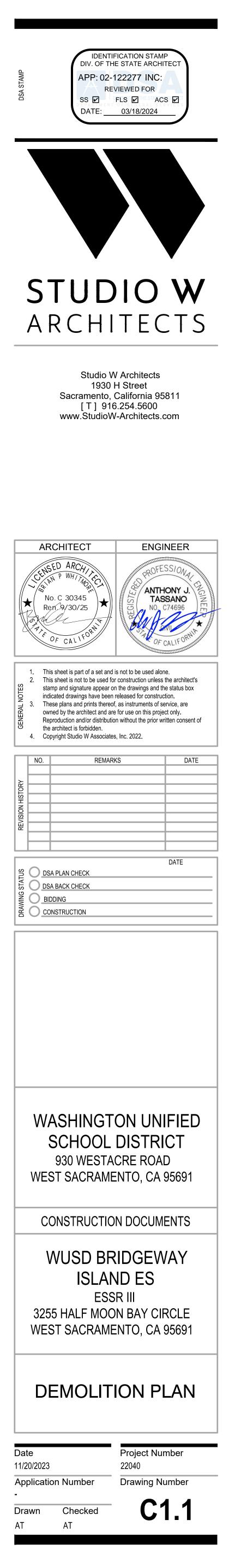
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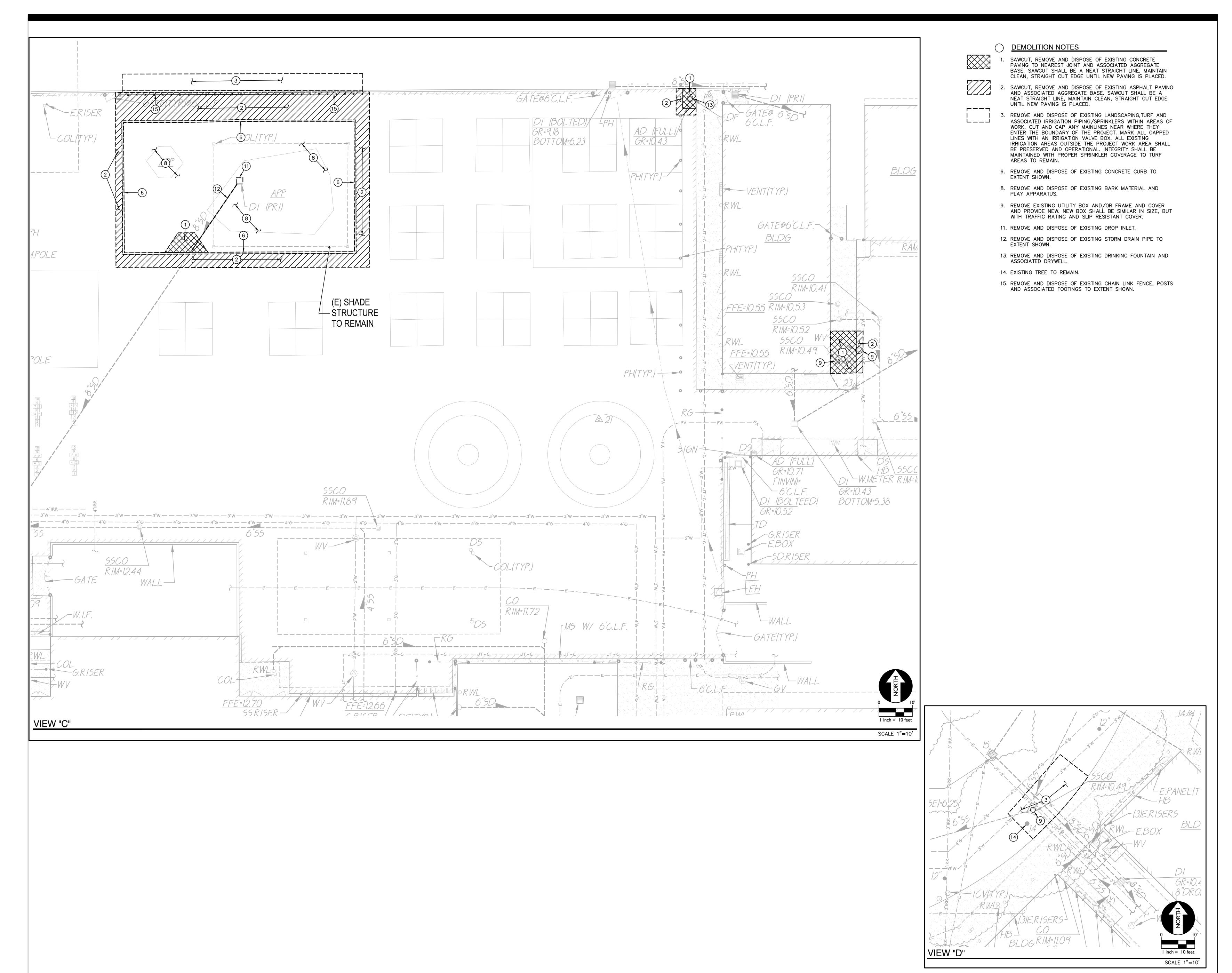
12"SD	=	STORM DRAIN LINE
		(SIZE & DIRECTION OF FLOW)
<u>12"SD</u>		STORM DRAIN LINE (RECORD INFORMATION)
1 <u>2"SD</u>		STORM DRAIN LINE (UNDERGROUND LOCATING)
SD	=	STORM DRAIN MANHOLE
0	=	STORM DRAIN CLEANOUT
	=	DROP INLET
¢	=	AREA DRAIN
∘ <i>R₩</i> L	=	RAIN WATER LEADER
° DS	=	DOWNSPOUT
<u>12"SS</u>		SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
<u>12"SS</u>		SANITARY SEWER LINE
<i>12"SS</i>	=	(RECORD INFORMATION) SANITARY SEWER LINE
		(UNDERGROUND LOCATING)
(S)		SANITARY SEWER MANHOLE
0		SANITARY SEWER CLEANOUT
W		WATER LINE (SIZE INDICATED)
- — - W— —		WATER LINE (RECORD INFORMATION)
— — W— —		WATER LINE (UNDERGROUND LOCATING)
(W)	=	WATER MANHOLE
	=	WATER VALVE
Mw	=	WATER METER
w	=	WATER BOX
Ø	=	IRRIGATION CONTROL VALVE
Q	=	FIRE HYDRANT
	=	BACKFLOW PREVENTER
•	=	SPRINKLER
φ	=	HOSE BIBB
— ОН-Е—		OVERHEAD ELECTRIC LINE
— <i>E</i> —		UNDERGROUND ELECTRIC LINE
——— <i>E</i> ———	=	UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
— —E— —	=	UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
Ē	=	ELECTRIC MANHOLE
-0-	=	UTILITY POLE (WITH GUY WIRE)
EM	=	ELECTRIC METER
Ε	=	ELECTRIC BOX
SB	=	STREET LIGHTING BOX
□¤ <i>OR</i> ×	=	LIGHT STANDARD
	=	SIGNAL LIGHT
Œ	=	FLOOD LIGHT
Ð	=	ELECTRICAL OUTLET
— G —	=	GAS LINE (SIZE INDICATED)
G	=	GAS LINE (RECORD INFORMATION)
— — <i>G</i> — —	=	GAS LINE (UNDERGROUND LOCATING)
G	=	GAS MANHOLE
6	=	GAS VALVE
GM	=	GAS METER
— <i>T</i> —	=	TELEPHONE LINE
	=	TELEPHONE LINE (RECORD INFORMATION)
$\tau -$	=	TELEPHONE LINE (UNDERGROUND LOCATING)
SD	=	STORM DRAIN BOX
TS	=	TRAFFIC SIGNAL BOX



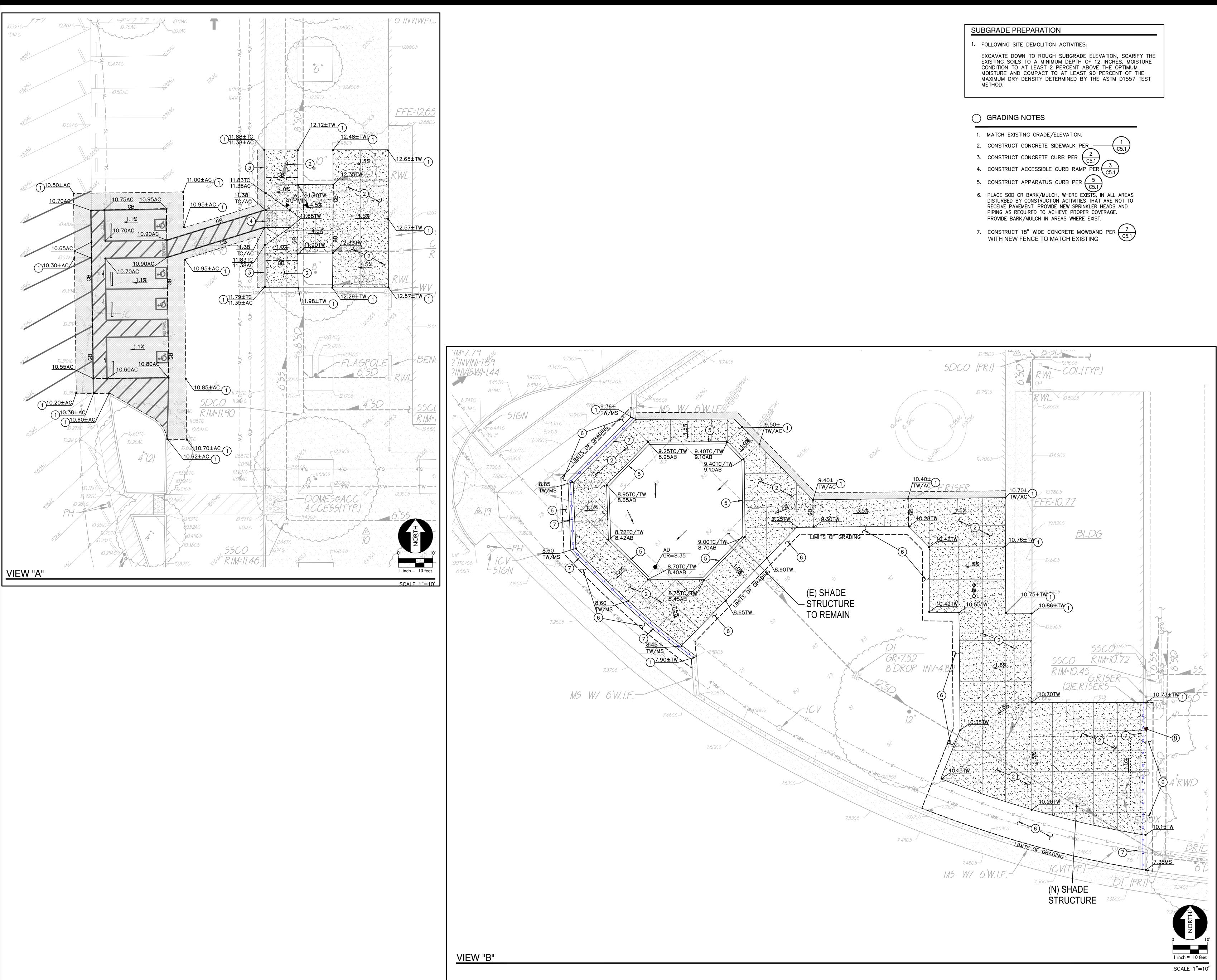


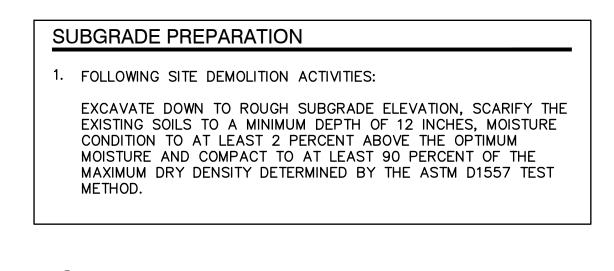




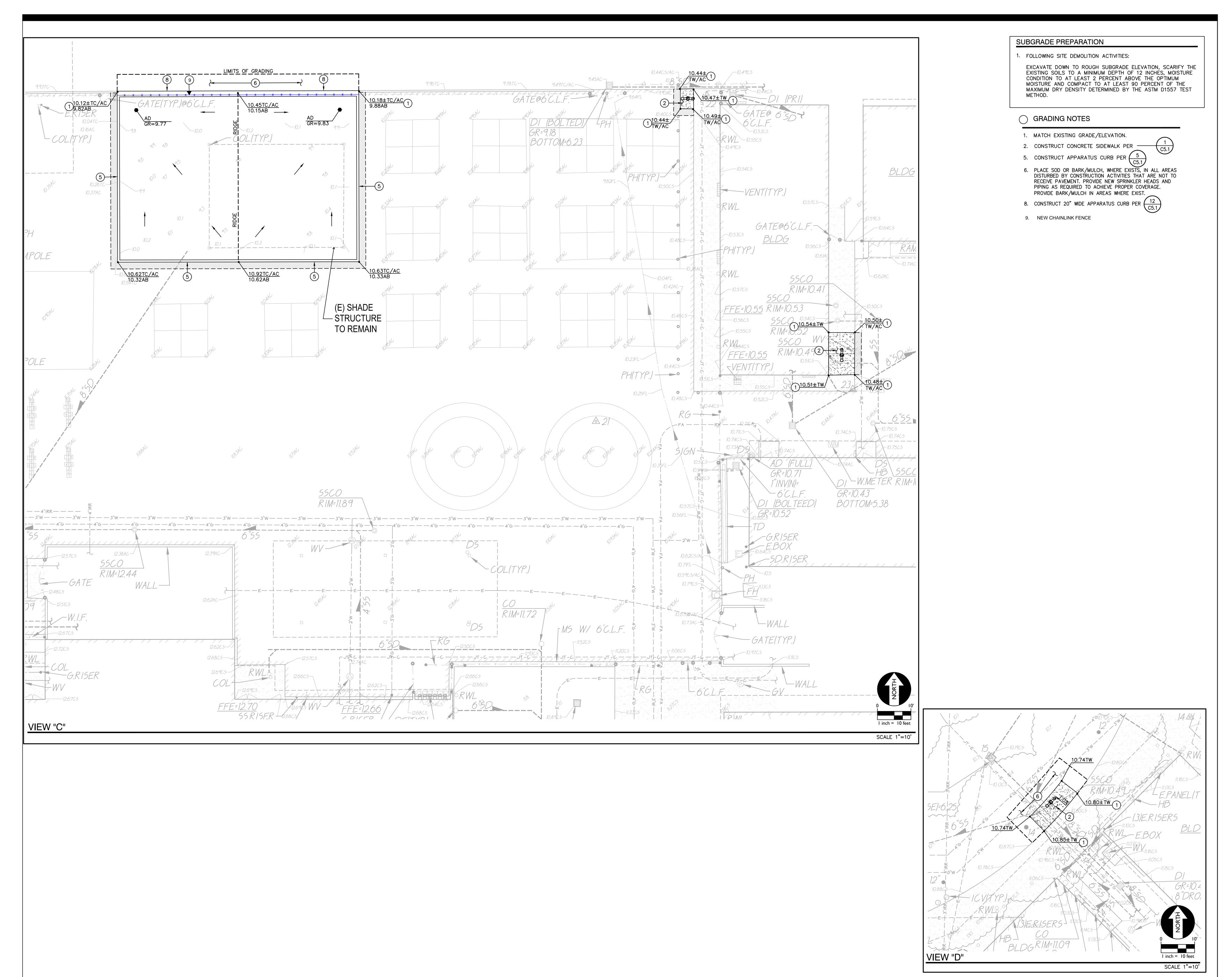


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Studio W Architects 1930 H Street Sacramento, California 95811 [T] 916.254.5600 www.StudioW-Architects.com		
ARCHITECT ENGINEER PROFESSION PROFESSION PROFESSION ANTHONY J. TASSANO NO. C 30345 Ren 9/30/25 PROFESSION ANTHONY J. TASSANO NO. C 74696 PROFESSION ANTHONY J. TASSANO NO. C 74696 PROFESSION NO. C 74696 PROFESSION PROFESSION NO. C 74696 PROFESSION PROFESSION NO. C 74696 PROFESSION PROFESSION PROFESSION NO. C 74696 PROFESSION PROFES		
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NO. REMARKS DATE Image: Constraint of the second		
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WASHINGTON UNIFIED SCHOOL DISTRICT 930 WESTACRE ROAD WEST SACRAMENTO, CA 95691		
WUSD BRIDGEWAY ISLAND ES ESSR III 3255 HALF MOON BAY CIRCLE WEST SACRAMENTO, CA 95691		
DEMOLITION PLAN		
Date 11/20/2023 Project Number 22040 Drawing Number - Drawn Checked AT AT Checked		

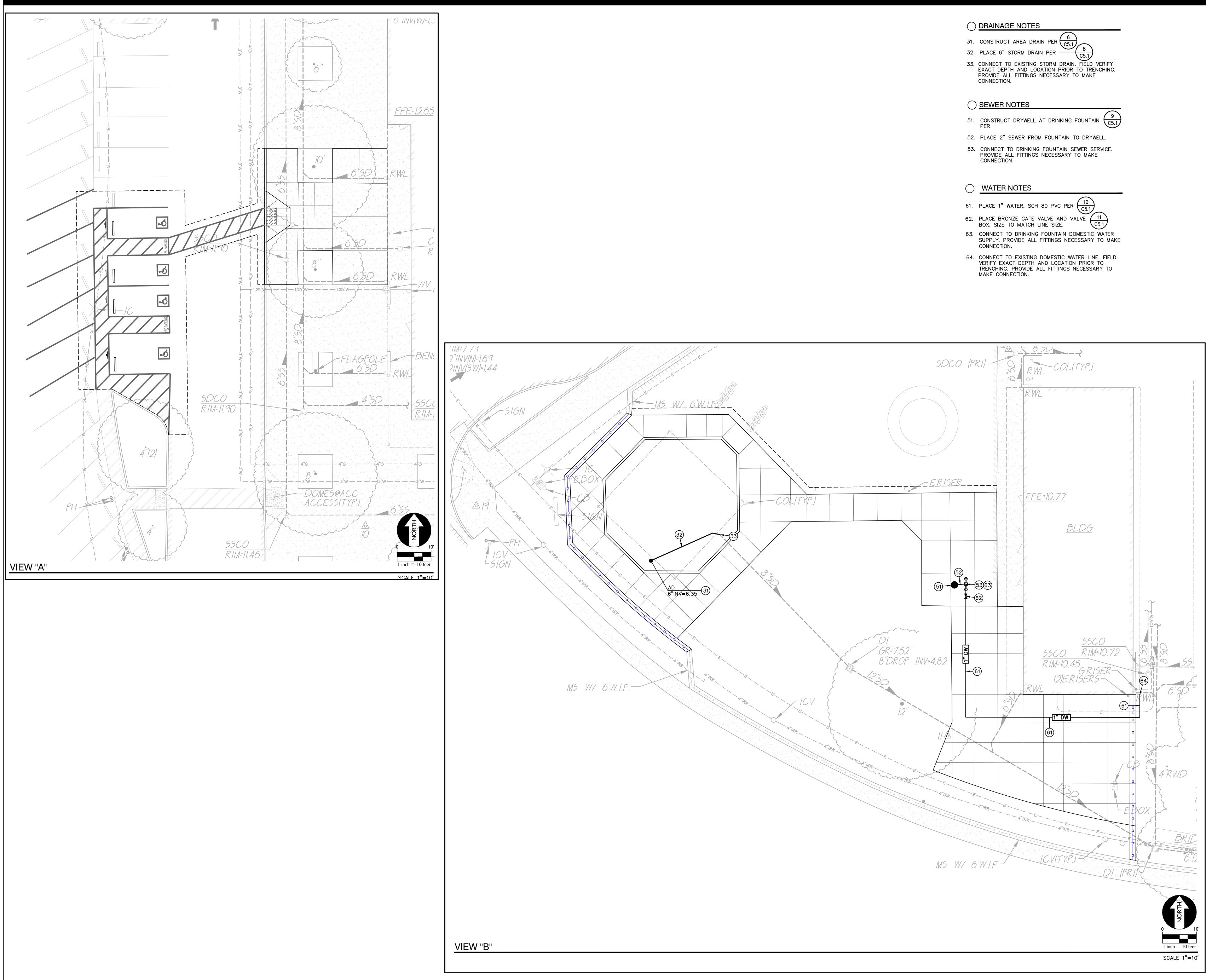


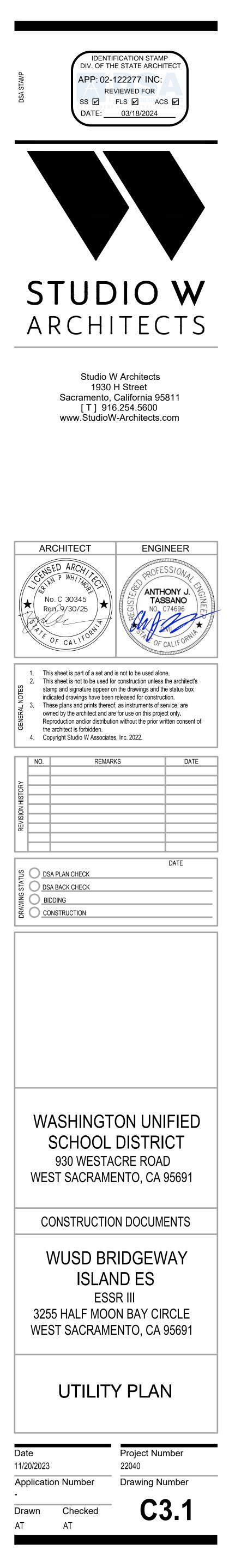


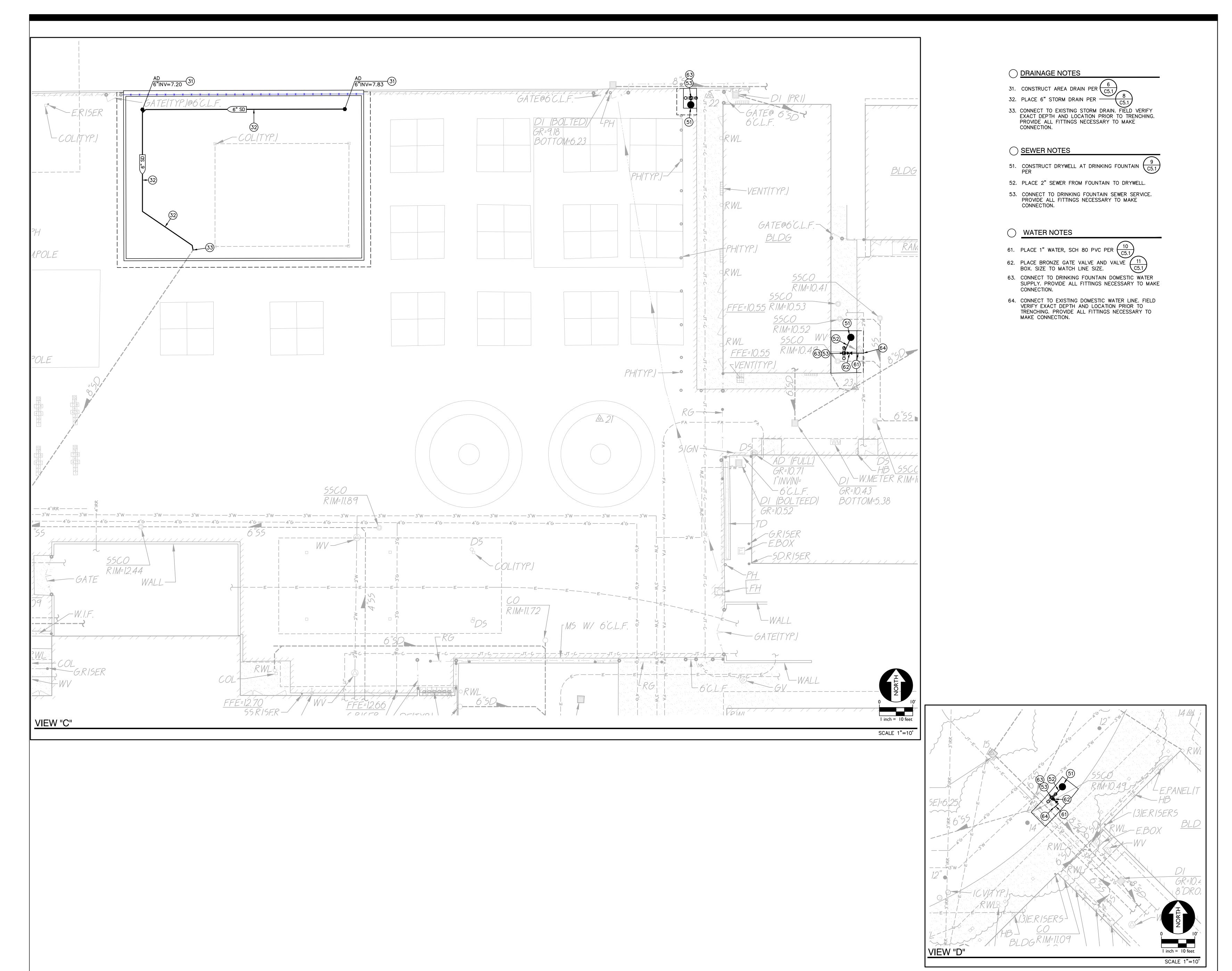
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GRADING PLAN		
Date 11/20/2023 Application Number - Drawn Checked AT AT	Project Number 22040 Drawing Number C2.1	



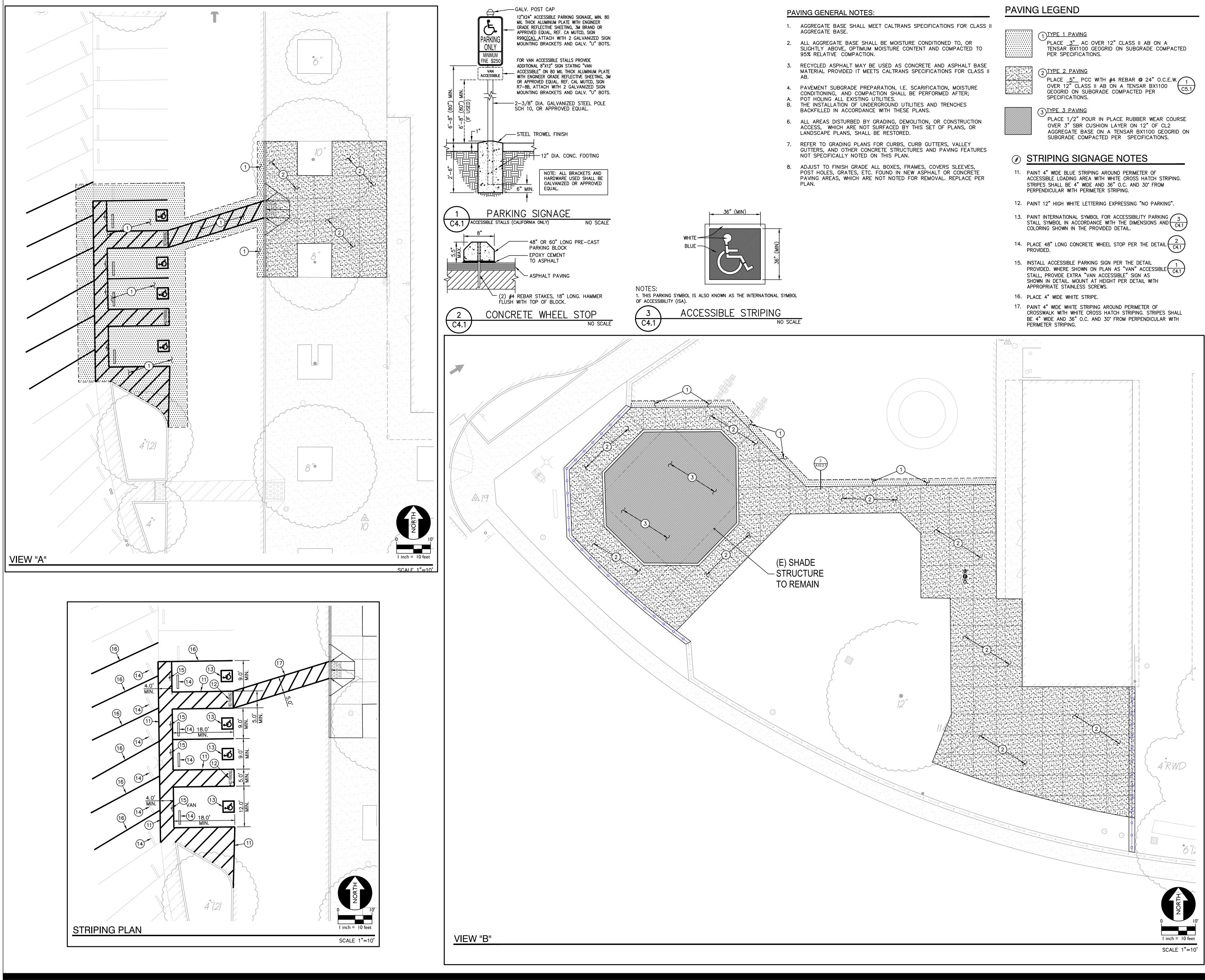
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CONSTRUCTION DOCUMENTS WUSD BRIDGEWAY ISLAND ES ESSR III 3255 HALF MOON BAY CIRCLE WEST SACRAMENTO, CA 95691		
GRADING PLAN		
DateProject Number11/20/202322040Application NumberDrawing Number		



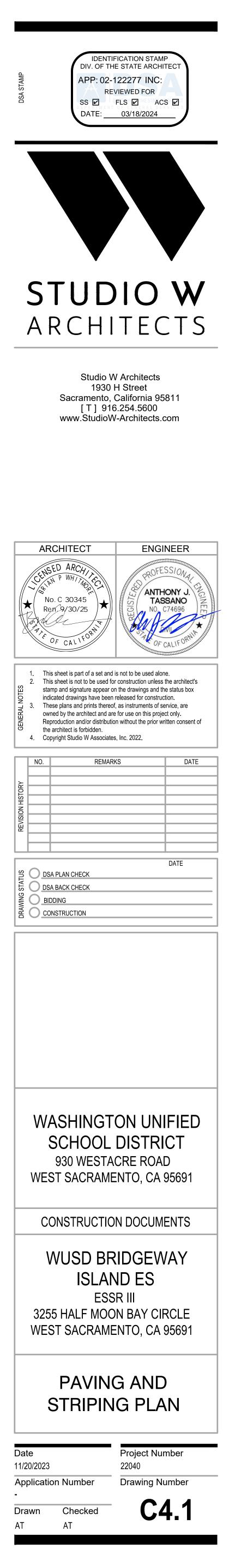


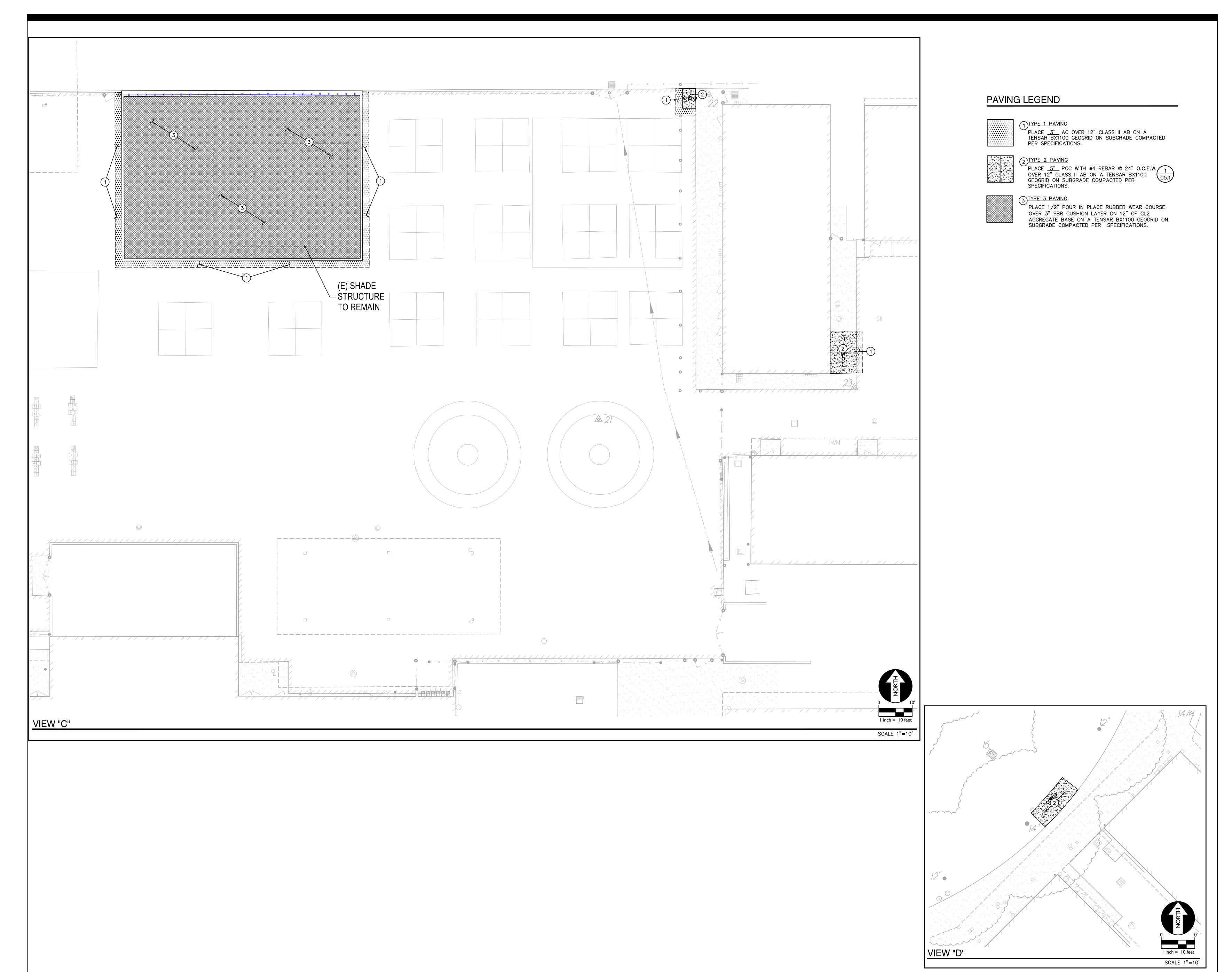


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3255 HALF MOON BAY CIRCLE WEST SACRAMENTO, CA 95691 UTILITY PLAN		
Date Project Number 11/20/2023 22040		
Application Number Drawing Number		
Drawn Checked C3.2		

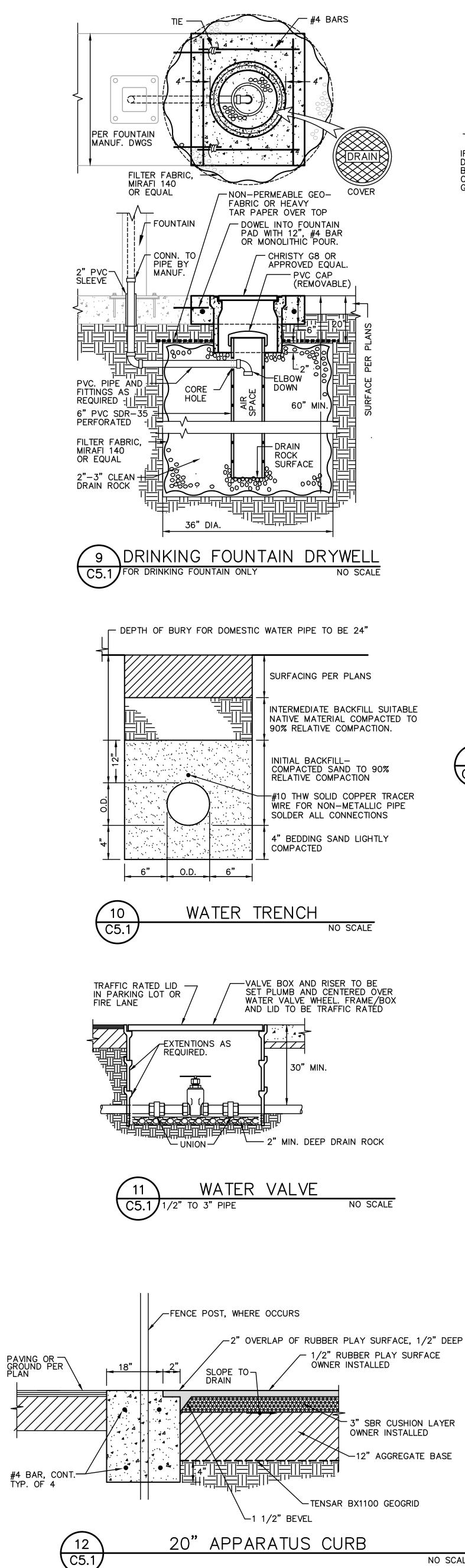


1 TYPE 1 PAVING PLACE <u>3"</u> AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.
2 <u>TYPE 2 PAVING</u> PLACE <u>5</u> " PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.
3 TYPE 3 PAVING PLACE 1/2" POUR IN PLACE RUBBER WEAR COURSE OVER 3" SBR CUSHION LAYER ON 12" OF CL2 AGGREGATE BASE ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER SPECIFICATIONS.





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WASHINGTON UNIFIED SCHOOL DISTRICT 930 WESTACRE ROAD WEST SACRAMENTO, CA 95691				
CONSTRUCTION DOCUMENTS WUSD BRIDGEWAY ISLAND ES ESSR III 3255 HALF MOON BAY CIRCLE WEST SACRAMENTO, CA 95691				
PAVING AND STRIPING PLAN				
Date 11/20/2023 Project Number 22040 Drawing Number - Drawn Checked AT AT				



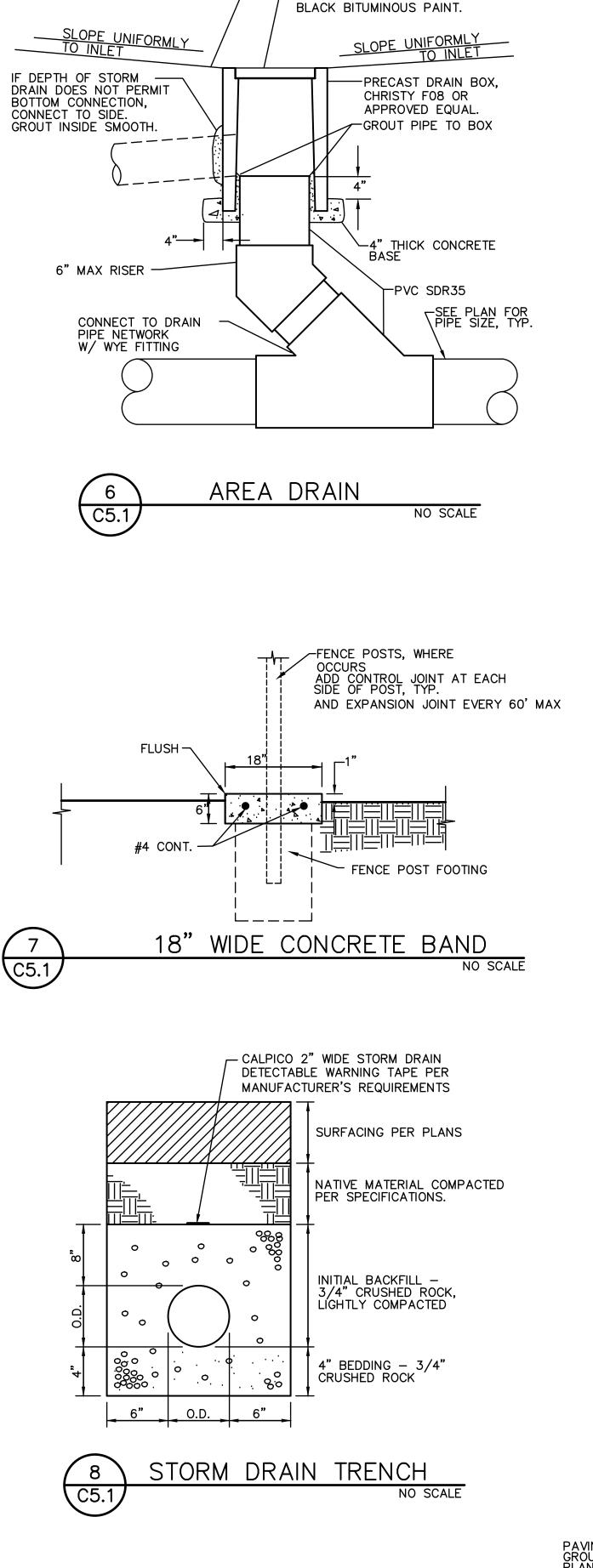
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✓ 1/2" RUBBER PLAY SURFACE

- 3" SBR CUSHION LAYER OWNER INSTALLED -12" AGGREGATE BASE

-TENSAR BX1100 GEOGRID

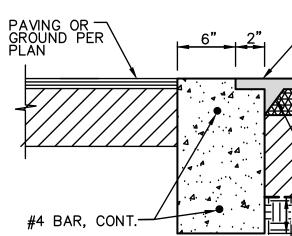
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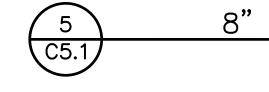


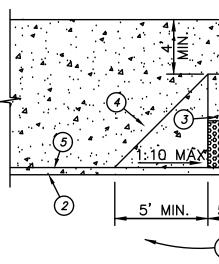
SURFACING PER

-SLOTTED CAST IRON GRATE, ADA

COMPLIANT. TO BE DIPPED IN







3

C5.1

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CAST-IN-PLACE ·

SECTION.

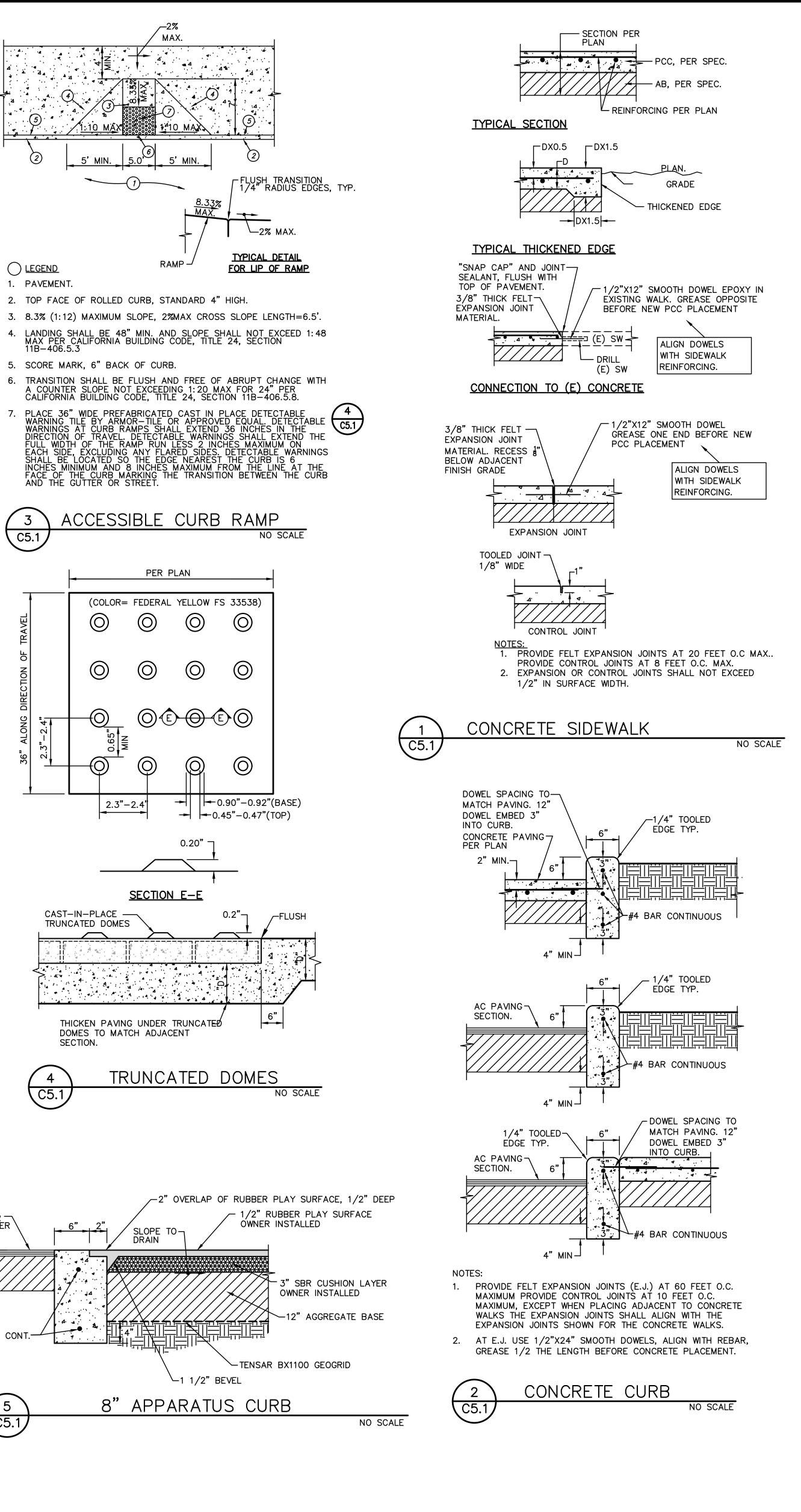
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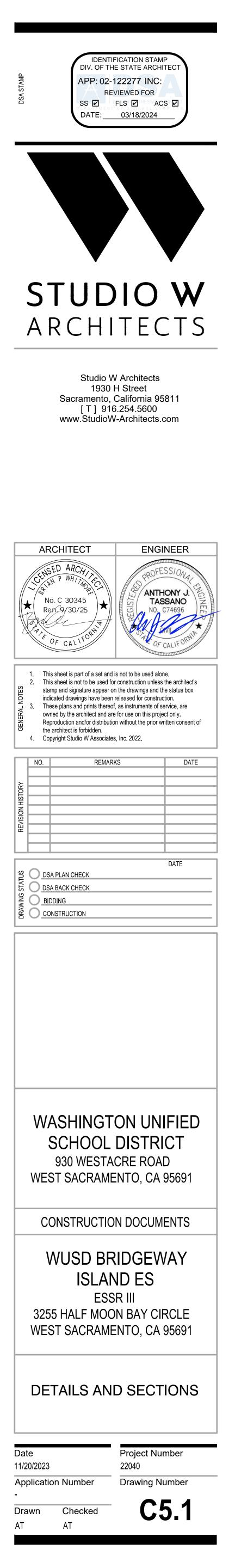
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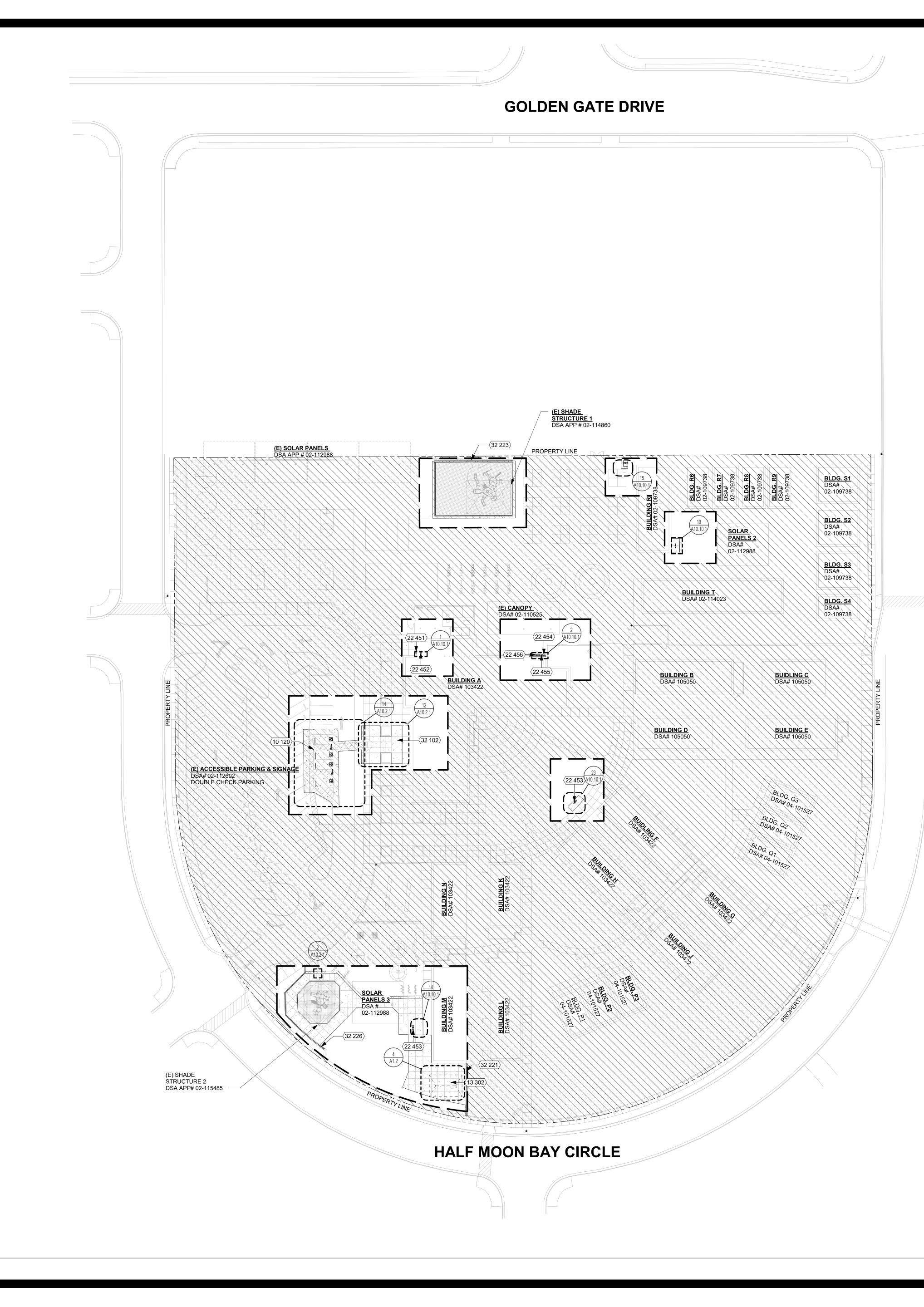
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1. PAVEMENT.

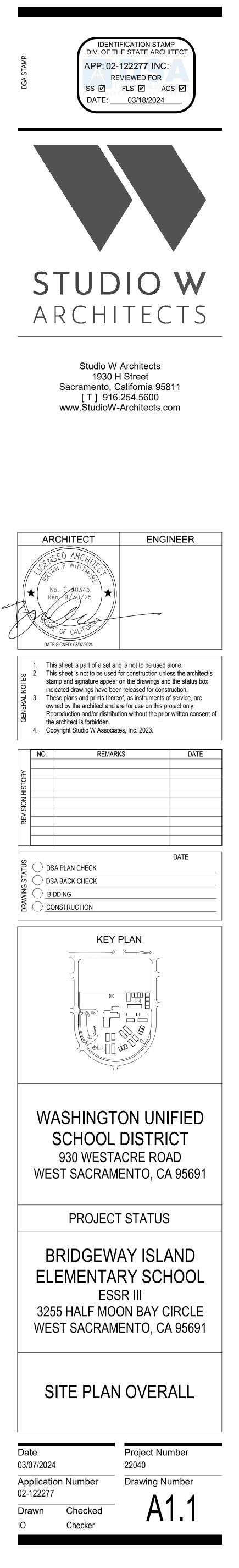




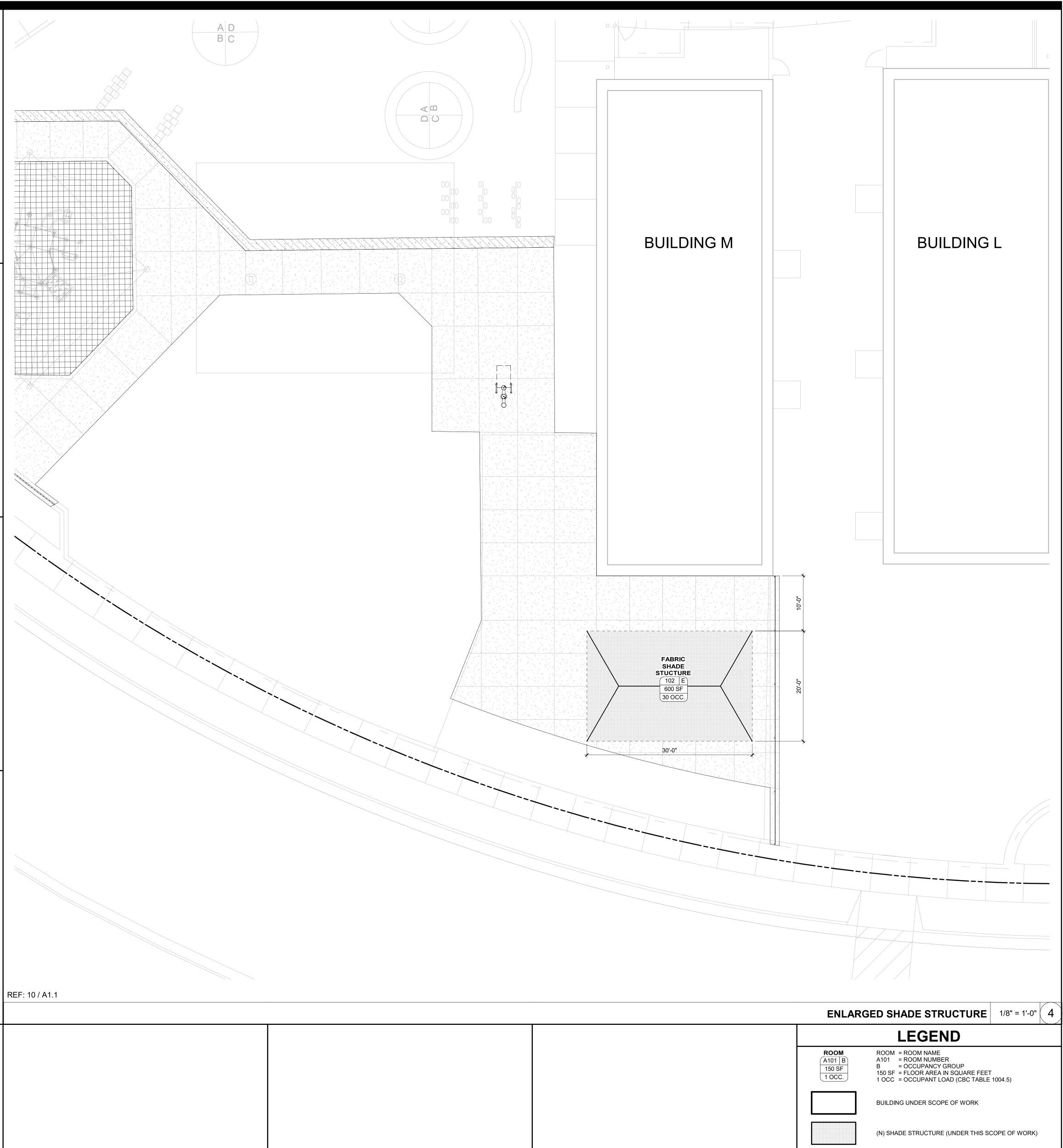




	NUMBER	NOTE	EYNOTES			
	10 120 13 302 22 451 22 452	NEW FABRIC STRUC HI INTERIOR DRINK	NG SIGNAGE (SEE DETAIL 5/A10.2.1) CTURE (SEE PC DRAWINGS) ING FOUNTAIN (SEE DETAIL 16/A10.10.1) (ING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL			
	22 453	11/A10.10.1) HI-LO FREE STANDI DETAIL 5/A10.10.1)	NG DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE			
	22 454 22 455	3/A10.10.1 AND 12/A	KING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 10.10.1) KING FOUNTAIN, TYP OF 2 (SEE DETAIL 3/A10.10.1 AND			
	22 456 32 102	LO EXTERIOR DRINI 12/A10.10.1) CONCRETE PAVING				
-	32 221 32 223 32 226		SEE 1/A10.2.1 ENCE TO REPLACE EXISTING AL FENCE, TO MATCH EXISTING, SEE 11/A10.2.1			
		ΡΙΔΥ				
·		STRUCTURES TO C	OMPLY WITH CBC 11B-1008. ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND			
	SPAC 11B-1 3. GRO	CES, AND TURNING S 1008.2.6. UND SURFACES SHA	SPACES SHALL COMPLY WITH CBC SECTION			
	ENSU	JRE CONTINUED COL UND SURFACES LOC	D MAINTAINED REGULARLY AND FREQUENTLY TO MPLIANCE WITH ASTM F1951. CATED WITHIN USE ZONES SHALL COMPLY WITH ASTM			
			EDAL NOTES			
·	1. CON		ERAL NOTES			
	BARF AREA AREA	RIER WITH VISION SC A WITH SIGNAGE EVE A.	REEN AT STAGING, STORAGE AND CONSTRUCTION RY 20'-0" TO WARN STUDENTS OF CONSTRUCTION IN OFFICE TRAILER TO CONSTRUCTION AREA.			
	3. CON DAM 4. CON	TRACTOR SHALL ACC AGE TO FIRE LANE W TRACTOR TO REPAIR	CESS THE SITE FROM HALF MOON BAY CIRCLE. ANY VILL BE AT THE CONTRACTOR'S EXPENSE. R BACK TO EXISTING CONDITIONS ALL LAYDOWN			
	AND 5. CON	ANY BROKEN SPRIN	ONSTRUCTION. THIS INCLUDES LANDSCAPE AREAS KLERS, VALVE BOXES, CONCRETE, ASPHALT, ETC. PLACE, RECONSTRUCT AND REPAIR ALL EXISTING D, DAMAGED, OR DESTROYED AS A RESULT OF ANY			
	CON ⁻ SIDE ⁻ UTILI	TRACTOR WORK INC WALKS, IRRIGATION TIES - ALL TO THE S/	LUDING, BUT NOT LIMITED TO, HARDSCAPING, SYSTEMS, LANDSCAPING, LAWNS, STRUCTURES AND ATISFACTION OF THE DISTRICT.			
	PROV SEAL 7. CON	/IDE EVEN AND STR/ . SURFACE PATCH O FRACTOR SHALL EXE	NCRETE IS BEING REPATCHED, CONTRACTOR SHALL AIGHT LINE CUTS WITH 2-FOOT STRAIGHT SLURRY N BOTH SIDES OF CUT. ERCISE EXTREME CAUTION IN EXCAVATING AND			
	AND UNDE	TO PREVENT HAZAR	AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., DS TO PERSONNEL AND/OR DAMAGE TO EXISTING S OR STRUCTURES WHETHER OR NOT SHOWN AND R CONTRACTS. THE ARCHITECT IS NOT RESPONSIBLE			
	FOR OR N THE	THE LOCATION OF U OT SHOWN OR DET/ CONTRACTOR SHAL	INDERGROUND UTILITIES OR STRUCTURES WHETHER AILED AND INSTALLED BY ANY OTHER CONTRACTS. L IMMEDIATELY NOTIFY THE ARCHITECT SHOULD IDITIONS BE DISCOVERED. THESE DRAWINGS AND			
	SPEC CONS 8. GATE	CIFICATIONS DO NOT STRUCTION SAFETY. ES IN PATH OF TRAVI	INCLUDE THE NECESSARY ELEMENTS FOR EL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS			
	9. CON HEAD	TRACTOR SHALL RE-	RDWARE AND KICK PLATES. -ROUTE AND REPAIR ANY IRRIGATION LINES AND EW WORK TO ENSURE A FULLY FUNCTIONING SYSTEM JCTION.			
			LEGEND			
			PROPERTY LINE			
			LIMIT OF WORK			
			NOT IN SCOPE			
	· · · · ·	H ē t 2011 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	FIRE HYDRANT			
			(N) CONCRETE PAVING, SEE CIVIL DRAWINGS			
			(N) CONCRETE ASPHALT, SEE CIVIL DRAWINGS			
Ν						
			(N) POUR IN PLACE RUBBER SURFACING, SEE CIVIL DRAWINGS			
1" = 40'-0" 10						



PRIN FILE



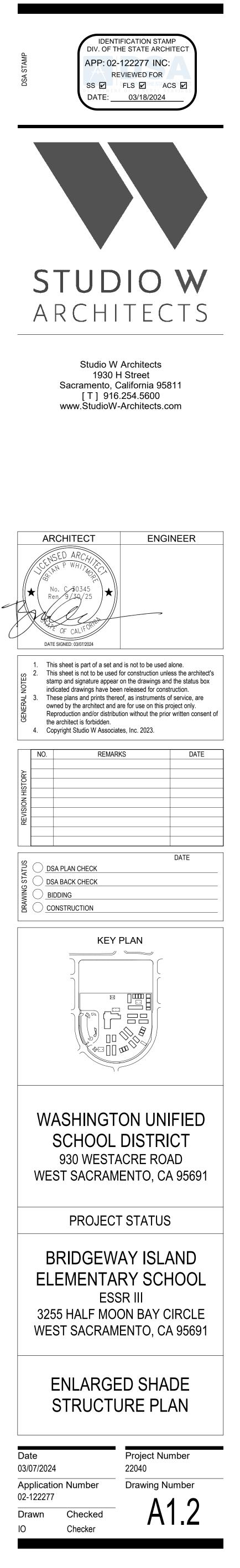


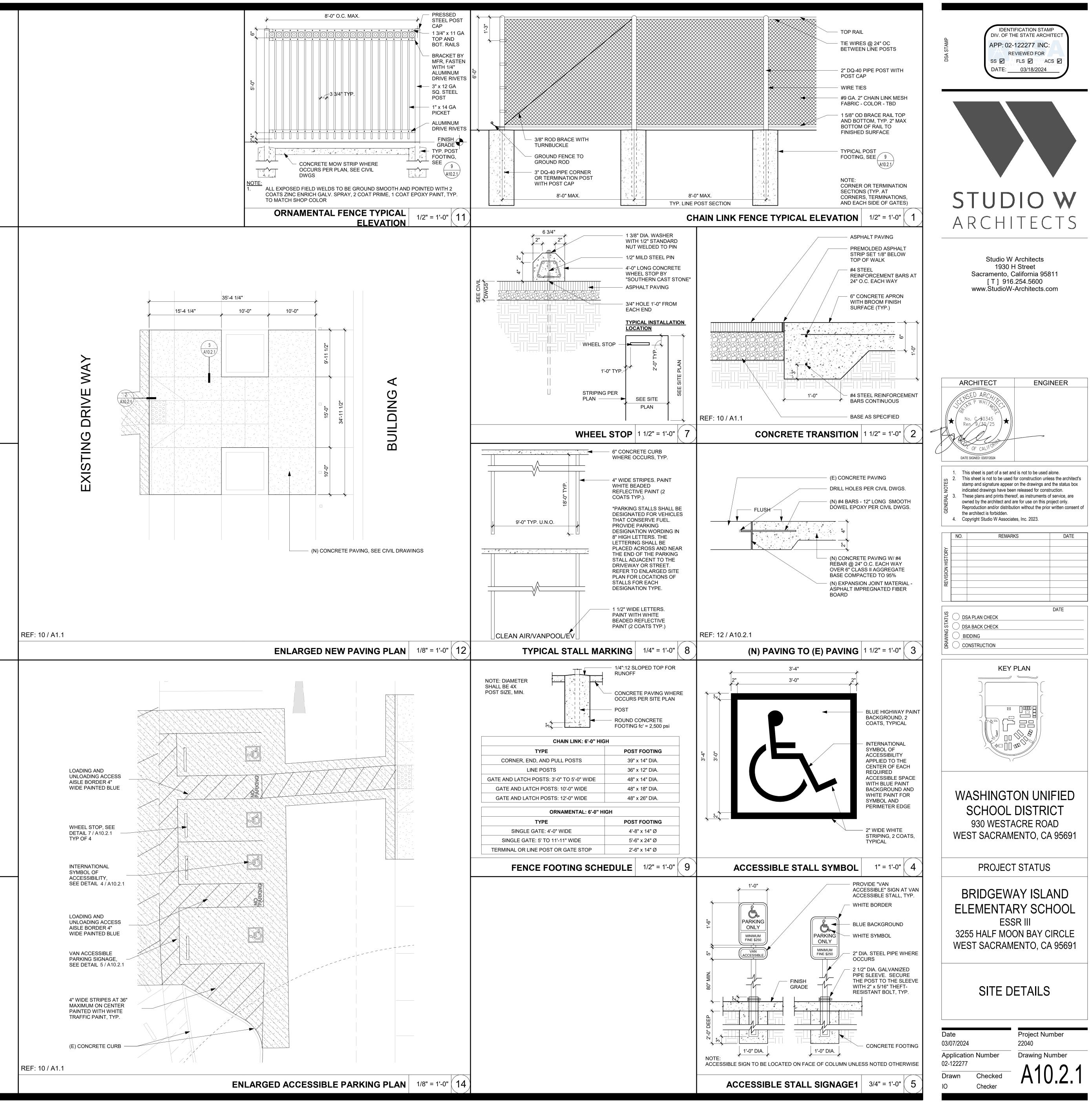
(N) CONCRETE PAVING, SEE CIVIL DRAWINGS

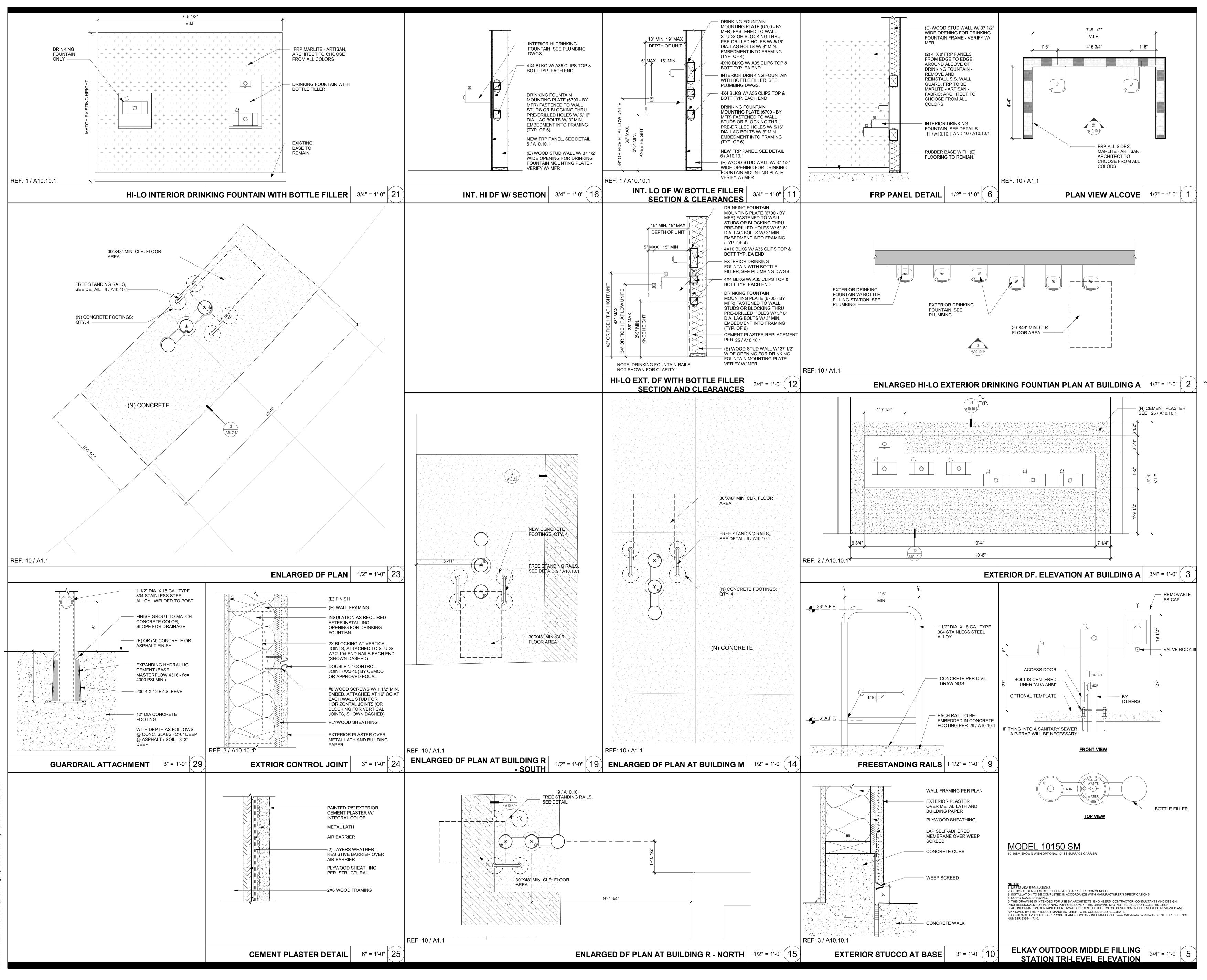
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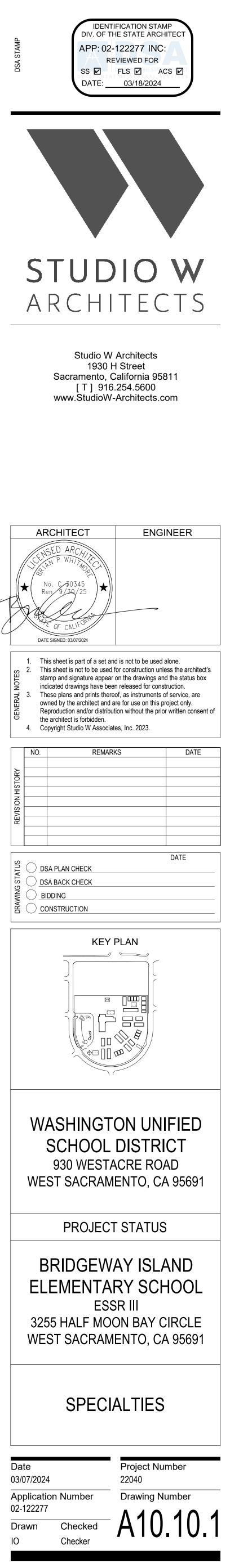
(N) ASPHALT PAVING, SEE CIVIL DRAWINGS

(N) POUR IN PLACE RUBBER SURFACING, SEE CIVIL DRAWINGS









PLUMBING LEGEND						
SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION DESCRIPTION			
	S	SEWER PIPE	ABV ABOVE A/C ABOVE CEILING			
OW	OW	OILY WASTE PIPE	AGA AMERICAN GAS ASSOCIATION ANSI AMERICAN NATIONAL STANDARD INSTITUTE			
GW	GW	GREASE WASTE PIPE	ASME AMERICAN SOCIETY FOR MECHANICAL ENGINEERS ASSE AMERICAN SOCIETY FOR SANITARY ENGINEERS			
	PW	PUMPED (FORCED) WASTE PIPE	ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS ADA AMERICANS WITH DISABILITIES ACT AFF ABOVE FINISHED FLOOR			
	IW	INDIRECT WASTE PIPE	AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE A/G ABOVE GRADE			
	V	VENT PIPE	AP ACCESS PANEL ARCH ARCHITECT OR ARCHITECTURAL			
	CW	COLD WATER PIPE	BT BATH TUB BEL BELOW			
ICW	ICW	INDUSTRIAL COLD WATER PIPE	B/F BELOW FLOOR B/G BELOW GRADE			
SCW	SCW	SOFT COLD WATER PIPE	BOP BOTTOM OF PIPE B/S BELOW SLAB			
	HW	HOT WATER PIPE	BTU BRITISH THERMAL UNIT BTUH BRITISH THERMAL UNITS PER HOUR			
			CBC CALIFORNIA BUILDING CODE CEC CALIFORNIA ELECTRICAL CODE CFC CALIFORNIA FIRE CODE			
IHW	IHW	INDUSTRIAL HOT WATER PIPE	CMC CALIFORNIA MECHANICAL CODE CPC CALIFORNIA PLUMBING CODE			
	HWR	HOT WATER RETURN PIPE	CI CAST IRON CISPI CAST IRON SOIL PIPE INSTITUTE			
140	140	140°F HOT WATER PIPE	CLG CEILING CP CIRCULATION PUMP			
R	R	RECLAIMED WATER PIPE	CL CLARIFIER CLR CLEAR			
G	G	LOW PRESSURE NATURAL GAS PIPE	CONC CONCRETE CONN CONNECT OR CONNECTION			
MPG	MPG	MEDIUM PRESSURE NATURAL GAS PIPE	CONTR CONTRACTOR CFH CUBIC FEET PER HOUR			
HPG	HPG	HIGH PRESSURE NATURAL GAS PIPE	CFM CUBIC FEET PER MINUTE C DEGREES CELSIUS F DEGREES FAHRENHEIT			
LPG	LPG	LIQUEFIED PETROLEUM GAS PIPE	DIV DIVISION DWG(S) DRAWING(S)			
CD	CD	CONDENSATE DRAIN PIPE	EA EACH (E) EXISTING			
SCD	SCD	SECONDARY CONDENSATE DRAIN PIPE	ÉLÉC ELECTRICAL ELEV ELEVATION			
PCD	PCD	PUMPED CONDENSATE DRAIN PIPE	ET EXPANSION TANK FF FINISHED FLOOR			
RD	RD	ROOF DRAIN PIPE	FPM FEET PER MINUTE FLR FLOOR			
ORD	ORD	OVERFLOW ROOF DRAIN PIPE	FT FEET OR FOOT FU FIXTURE UNIT FOG FAT, OIL, AND GREASE			
CA	СА	COMPRESSED AIR PIPE	FOG FAT, OIL, AND GREASE GA GAUGE GALV GALVANIZED			
Φ	FCO	FLOOR CLEAN OUT	GPC GALLONS PER CYCLE GPF GALLONS PER FLUSH			
	GCO	GRADE CLEAN OUT	GPH GALLONS PER HOUR GPM GALLONS PER MINUTE			
Ţ	wco	WALL CLEAN OUT	GD GARBAGE DISPOSAL HD HEAD			
	FC	FLEXIBLE CONNECTION	GI GREASE INTERCEPTOR HDR HEADER			
X	SOV	SHUT OFF VALVE	HR HOUR IM ICE MAKER SUPPLY BOX			
☆	GC	GAS COCK	IES ILLUMINATING ENGINEERS SOCIETY IND INDIRECT INTERNATIONAL ASSOCIATION OF			
			IAPMO PLUMBERS AND MECHANICAL OFFICIALS IBC INTERNATIONAL BUILDING CODE			
\ 	CV	CHECK VALVE	IMC INTERNATIONAL MECHANICAL CODE IPC INTERNATIONAL PLUMBING CODE			
	BV	BALL VALVE	INV INVERT IE INVERT ELEVATION			
K	PRV	PRESSURE REDUCING VALVE	KEC KITCHEN EQUIPMENT CONTRACTOR KG KILOGRAMS			
	BLV	BALANCING VALVE	KPQ KILOPASCALS KS KITCHEN SINK			
PTR	PTR	PRESSURE AND TEMPERATURE RELIEF VALVE	LS LAUNDRY SINK L, LAV LAVATORY L/S LITERS PER SECOND			
	U	UNION	LPF LITERS PER FLUSH MH MANHOLE			
		CAPPED PIPE	MFR MANUFACTURER MSS MANUFACTURERS STANDARDIZATION SOCIETY			
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CONT	CONTINUED OR CONTINUATION	MAX MAXIMUM MECH MECHANICAL			
TP	TP	TRAP PRIMER LINE	MSA MEDIUM PRESSURE GAS METER SET ASSEMBLY MIL 0.001 INCH			
	WHA	WATER HAMMER ARRESTOR	mm MILLIMETER MIN MINIMUM			
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	MS MOP SINK MTD MOUNTED NSF NATIONAL SANITATION FOUNDATION			
	НВ	HOSE BIBB	NSF     NATIONAL SANITATION FOUNDATION       NPSH     NET POSITIVE SUCTION HEAD       NOM     NOMINAL			
c		PIPE DOWN OR DROP	NIC NOT IN CONTRACT NTS NOT TO SCALE			
oo		PIPE UP OR RISE	NO NUMBER PLBG PLUMBING			
<u> </u>		VALVE ON DROP	PDI PLUMBING AND DRAINAGE INSTITUTE PE POLYETHYLENE			
&		VALVE ON RISE	LBS POUNDS PSIG POUNDS PER SQUARE INCH GAUGE			
	Т	THERMOMETER	PD PRESSURE DROP QTY QUANTITY REQ'D REQUIRED			
<u> </u>	AS	AQUASTAT	RI ROUGH-IN SCH SCHEDULE			
	P.O.D.	POINT OF DISCONNECT	SH SHOWER SOV SHUT-OFF VALVE			
	POC	POINT OF CONNECTION	SPEC SPECIFICATION SF SQUARE FEET			
•	AD, FD	AREA DRAIN OR FLOOR DRAIN	SS STAINLESS STEEL STRUC STRUCTURAL			
 	FS, RR	FLOOR SINK OR ROOF RECEPTOR	TEMP TEMPERATURE MBH THOUSANDS OF BRITISH THERMAL UNITS PER HOUR			
	VTR		THRU THROUGH TDH TOTAL DEVELOPED HEAD			
• ·/////////		VENT THROUGH ROOF	TDL TOTAL DEVELOPED LENGTH TEL TOTAL EQUIVALENT LENGTH TYP TYPICAL			
	DEMO	DEMOLITION OR DEMOLISH	TYP TYPICAL UNO UNLESS NOTED OTHERWISE UL UNDERWRITERS LABORATORIES			
//////////	RELO	RELOCATE	UBC UNIFORM BUILDING CODE UMC UNIFORM MECHANICAL CODE			
₩₽₩	CIRC PUMP	CIRCULATING PUMP	UPC UNIFORM PLUMBING CODE UR URINAL			
	DIA, DIAM	DIAMETER	VCP VITRIFIED CLAY PIPE			
Ø	DIA, DIAM		V/PH/Hz VOLTS/PHASE/HERTZ			
ø						

## PLUMBING GENERAL NOTES: THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION. BIDDING. OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF

- RECORD RESPONSIBLE FOR THEIR PREPARATION. NO EXTRA COST.
- THE GAS COMPANY, ELECTRIC COMPANY, TELEPHONE COMPANY, AND THE WATER APPROVED BY ALL UTILITY COMPANIES TO ASSURE PREVENTION OF INTERRUPTION OF EXISTING SERVICES PRIOR TO START OF WORK.
- GOVERN.
- TO START OF WORK. NECESSARY ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST.
- DIFFERENT MANUFACTURER'S RECOMMENDATIONS. EQUIPMENT ARE FOR REFERENCE ONLY. OTHER MANUFACTURERS WHICH CAN MEET THE DESIGN REQUIREMENTS OF THE PLUMBING SYSTEM MAY BE SUBSTITUTED UPON APPROVAL FROM THE ARCHITECT AND THE OWNER.
- 8. PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS IN CONTACT. 9. PROVIDE HANGERS AND SUPPORTS FOR PIPING IN ACCORDANCE WITH THE
- RECOMMENDATIONS OF MSS SP-69-2003. 10. PROVIDE VALVES AT THE FOLLOWING LOCATIONS: A. WATER MAIN SHUT-OFF VALVE IN VALVE BOX.
- C. SHUT-OFF VALVE ON EACH SUPPLY TO EACH FIXTURE AND EQUIPMENT ITEM NOT SHUT-OFF VALVES SO THAT STEMS EITHER ARE VERTICAL WITH HANDWHEELS OR OPERATORS ON TOP OR ARE HORIZONTAL AND SO THAT VALVES ARE EASILY ACCESSIBLE
- FOR ALL PIPES EXTENDING THROUGH THE ROOF.
- 12. ALL VENT TERMINATIONS AT ROOF SHALL BE AT LEAST 10 FEET AWAY FROM OUTSIDE AIR INTAKES, OPERABLE WINDOWS, AND BUILDING OPENINGS.
- 13. FILL CRACKS BETWEEN FIXTURES AND WALL/FLOORS WITH SILICONE RUBBER SEALANT.
- AND DRAINAGE INSTITUTE STANDARD NO. WH-201. APPLICABLE CODES. SECURE FLOOR OUTLET OF FLOOR-MOUNTED FIXTURES TO DRAINAGE WASHERS WHERE EXPOSED. ALL CONNECTIONS SHALL BE MADE GAS-TIGHT AND
- 6. PROVIDE ALL FIXTURE COMPONENTS AS INDICATED ON DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION OF THE FIXTURES.
- COMPRESSION VALVE OF POLISHED CHROME-PLATED LOOSE KEY TYPE.
- (ABOVE TOP OF PIPES) AS FOLLOWS:
- A. ANY PIPING UNDER SLAB (TOP OF PIPE TO UNDERSIDE OF SLAB): 18 INCHES. B. CAST IRON AND COPPER PIPES IN OTHER LOCATIONS: 18 INCHES. FNVFI OPF
- 19. BACKFILL TO A POINT 12-INCHES ABOVE TOP OF PIPING WITH EARTH (EXCAVATED MATERIAL BACKFILL.
- 20. DO NOT EXCAVATE UNDER FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED BY TESTED
- SAFETY DIVISION PRIOR TO ISSUANCE OF A PLUMBING PERMIT FOR THIS PROJECT.
- PROOFING. FOR LOCATIONS OF FIRE RATED ASSEMBLIES, SEE ARCHITECTURAL PLANS.
- WITH ALL OTHER TRADES PRIOR TO START OF WORK.

24. NO SPRAY FOAM INSULATION SHALL BE APPLIED TO AREAS CONTAINING PEX PIPING.

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITY PIPES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS TO THE PLUMBING LAYOUT SHALL BE DONE AT

CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO DEPARTMENT, ABOUT THE EXTENT OF PLUMBING WORK. ALL EXCAVATION WORK SHALL BE

ALL PLUMBING WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ADMINISTRATIVE CODE. TITLE 24, AMERICANS WITH DISABILITIES ACT (ADA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE LOCAL CITY AND COUNTY CODES, AND ALL OTHER CODES HAVING JURISDICTION. IN CASE OF CONFLICT, THE MORE STRICT REGULATIONS SHALL

ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORKS OF OTHER TRADES PRIOR FOR MINIMUM PIPE SIZE CONNECTIONS TO EACH PLUMBING FIXTURE SEE PLUMBING FIXTURE SCHEDULE. THESE VALUES ARE MINIMUM; LARGER CONNECTIONS MAY RESULT BASED ON THE

MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN FOR PLUMBING FIXTURES AND

B. VALVE WITH HOSE CONNECTION ON DOWNSTREAM SIDE OF THE MAIN SHUT-OFF VALVE. PROVIDED WITH CONTROL STOP OR OTHER AUXILIARY SHUT-OFF VALVE. INSTALL

FOR OPERATION, SERVICE, REMOVAL AND REPLACEMENT. . PROVIDE SLEEVES FOR ALL PIPE AND TUBING PASSING THROUGH FLOORS, ROOFS, AND WALLS. PACK CAULK INTO THE SPACE AROUND THE PIPE OR TUBING. PROVIDE FLASHING

14. LOCATE, SIZE, AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PLUMBING 15. INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL

CONNECTIONS AND FLOOR IN A RIGID MANNER. RIGIDLY SUPPORT WALL-HUNG FIXTURES BY MEANS OF METAL SUPPORTING MEMBERS. USE CHROMIUM-PLATED BRASS BOLTS, NUTS, AND WATER-TIGHT. USE OF PUTTY AND PLASTICS FOR GASKETS WILL NOT BE PERMITTED.

7. PROVIDE EACH PLUMBING FIXTURE (INCLUDING HOSE BIBBS) WITH AN INDIVIDUAL STOP OR

18. WHERE DEPTHS OR INVERTS ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE

C. EXCAVATE TO UNDISTURBED EARTH: CUT LEVEL AND FORM TRUE. REMOVE DEBRIS, RUBBISH AND SOFT MATERIAL (SUCH AS MUD). WHERE ROCK IS ENCOUNTERED, UNDERCUT TRENCHES 6-INCHES AND FILL WITH WELL TAMPED NEUTRAL SAND AND PEA

GRAVEL TO PROPER PIPE ELEVATION. DURING EXCAVATION FREE OF STANDING WATER. UNDERCUT TRENCH 6-INCHES AND INSTALL PIPING IN A 6-INCH NEUTRAL SAND

MAY BE USED) FREE OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLODS OVER 4-INCHES IN THE GREATEST DIMENSION. BACKFILL ABOVE 12-INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL, APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE), AND HAND TAMP TO A MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF

THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY

1. VERIFICATION OF WATER AGENCY APPROVAL SHALL BE SUBMITTED TO THE BUILDING AND 22. ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PACKED WITH APPROVED FIRE 23. ROUTE ALL PIPES AS HIGH AS POSSIBLE IN EXPOSED LOCATIONS. COORDINATE ROUTING

## GENERAL NOTES

- ALL PLUMBING SYSTEM COMPONENTS SHALL MEET OR EXCEED THE REQUIREMENTS OF CURRENT CBC, CMC, CPC, NEC, NFPA, ASTM, ANSI, AND ALL LOCAL AND STATE CODE REQUIREMENTS. (SEE BELOW)
- 2. ALL PLUMBING EQUIPMENT LISTED IN OF THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE-24, PART 6, SECTION 110.3 ENERGY EFFICIENCY STANDARDS MUST BE CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CEC.
- . ALL INSULATING MATERIALS INSTALLED MUST BE CERTIFIED BY CALIFORNIA ENERGY COMMISSION TO MEET 2022 CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6, ENERGY EFFICIENCY STANDARDS, SECTION 120.3 AND TABLE 4-15.
- 4. ALL INSULATION INSTALLED SHALL MEET THE FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF 2022 CBC, PART 1, SECTION 720 AND 2022 CMC. SECTION 602.2. 5. ALL PIPING EXPOSED TO WEATHER SHALL BE METALLIC.
- 6. ALL FERROUS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED AND PAINTED. ALL PIPES. FITTINGS AND FIXTURES USED TO CONVEY POTABLE WATER SHALL BE LEAD
- FREE IN COMPLIANCE WITH CPC SECTION 604.2. 3. ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL BE INSTALLED AS PER THE LATEST
- REQUIREMENTS OF TITLE 24 AND ADA (AMERICANS WITH DISABILITIES ACT).
- 3. CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLIED APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN 103). 10. ALL INSTALLATION OF PEX PIPE INSTALLED IN NEW CONSTRUCTION SHALL BE FLUSHED
- TWICE OVER A PERIOD OF AT LEAST ONE WEEK PER CPC SECTION 604.1.2. PEX. 1) AT THE TIME OF FILL, EACH NEW PLUMBING FIXTURE SHALL HAVE A REMOVABLE TAG
- APPLIED STATING: a. THIS NEW PLUMBING SYSTEM SHALL BE FIRST FILLED AND FLUSHED ON _____(DATE) BY ______(NAME). THE STATE OF CALIFORNIA REQUIRES THAT THE SYSTEM BE FLUSHED AFTER STANDING AT LEAST ONE WEEK AFTER THE FILL DATE SPECIFIED ABOVE. IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE ABOVE, IF THIS SYSTEM IS USED EARLIER THAN ONBE WEEK AFTER THE FILL DATE, THE WATER MUST BE ALLOWED TO RUN FOR AT LEAST TWO MINUTES PRIOR TO USE FOR HUMAN CONSUMPTION. THE TAG MAY NOT BE REMOVED PRIOR TO THE COMPLETION OF THE REQUIRED SECOND FLUSHING, EXCEPT BY BUILDING OWNER OR OCCUPANT.
- 2) PRIOR TO ISSUING A BUILDING PERMIT TO INSTALL PEX PIPE, THE BUILDING OFFICIAL SHALL REQUIRE AS PART OF THE PERMITTING PROCESS THAT THE CONTRACTOR; OR TH APPROPRIATE PLUMBING SUBCONTRACTORS, PROVIDE WRITTEN CERTIFICATION THAT HE OR SHE WILL COMPLY WITH THE FLUSHING PROCEDURES SET FORTH BY CODE.
- 3) THE BUILDING OFFICIAL SHALL NOT GIVE FINAL PERMIT APPROVAL FOR ANY PEX PLUMBING INSTALLATION UNLESS HE OR SHE FINDS THAT THE MATERIAL HAS BEEN INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF THE CODE, INCLUDING THE REQUIREMENTS TO FLUSH AND TAG THE SYSTEMS.
- 4) ANY CONTRACTOR OR SUBCONTRACTOR FOUND TO HAVE FAILED TO COMPLY WITH THE PEX FLUSHING REQUIREMENTS SHALL BE SUBJECT TO THE PENALTIES IN HEALTH AND SAFETY CODE, DIVISION 13, PART 1.5, CHAPTER 6 (SECTION 17995, et seq.).

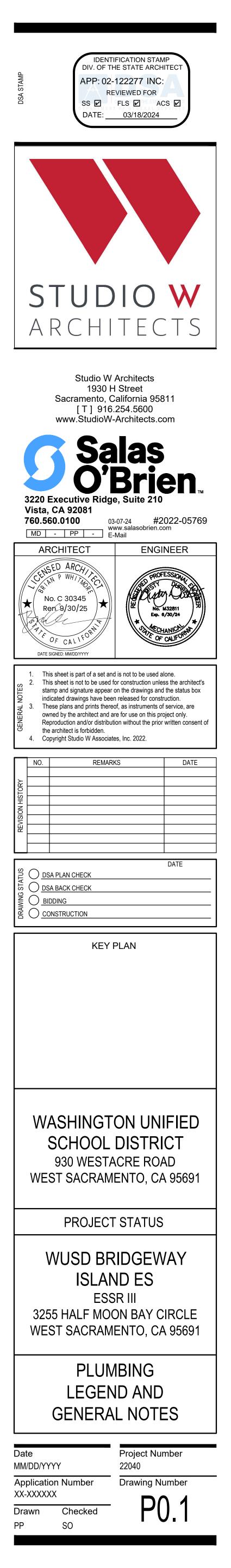
## **APPLICABLE CODES**

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR PART 1, TITLE 24
- 2022 CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PARTS 1 & 2 (BASED ON THE 2021 EDITION INTERNATIONAL BUILDING CODE, VOLS. 1 & 2)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR TITLE 24, PART 3 (BASED ON THE 2020 EDITION NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), CCR TITLE 24, PART 4, TITLE 24 CCR (BASED
- ON THE 2021 EDITION UNIFORM MECHANICAL CODE WITH CALIFORNIA AMENDMENTS) 2022 CALIFORNIA PLUMBING CODE (CPC), CCR TITLE 24, PART 5, (BASED ON THE 2021
- EDITION UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS) 2022 CALIFORNIA ENERGY CODE (CEC), CCR TITLE 24, PART 6, AND ASSOCIATED
- ADMINISTRATIVE REGULATION IN PART 1
- 2022 CALIFORNIA FIRE CODE (CFC), CCR TITLE 24, PART 9 (BASED ON THE 2021 EDITION INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), CCR TITLE 24, PART 10, (BASED ON THE 2021 EDITION INTERNATIONAL EXISTING BUILDING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), CCR TITLE 24, PART 11
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR TITLE 24, PART 12
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

## PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	LOCATION	PIPE MATERIAL	SLOPE
WATER	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
WAIER	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
SEWER AND VENT	ABOVE GRADE	ASTM A888 SERVICE WEIGHT CAST IRON PIPE AND DWV FITTINGS SHALL CONFORM TO CPC AND BEAR THE COLLECTIVE TRADEMARK OF CISPI AND NSF.	1/4" PER 1'
	BELOW GRADE	ABS SCHEDULE 40 PIPE AND DWV FITTINGS SHALL CONFORM TO ASTM D2321-2000 AND CPC.	1/4" PER 1'

PLUMBING						FIXTURE SCHEDULE	
			MIN. PI	PE SIZE			
SYMBOL	FIXTURE	CW	Н₩	v	S	REMARKS	
DF 1	DRINKING FOUNTAIN W/ BOTTLE FILLER	3/4"			2"	FREE STANDING GROUND MOUNTED OUTDOOR DRINKING FOUNTAIN HAWS MODEL 3612, VANDAL RESISTANT, ADA COMPLIANT PEDESTAL MOUNTED BOTTLE FILLER WITH 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAIN WITH HEAVY DUTY STAINLESS STEEL PEDESTAL WITH PUSH BUTTON OPERATED STAINLESS STEEL VALVE AND FLOW CONTROL. INSTALL WITH HOSE BIBB MODEL 3660, LOCKABLE HOSE BIBB ATTACHMENT	
$\left\langle \begin{array}{c} DF\\ 2\end{array} \right\rangle$	DRINKING FOUNTAIN W/ BOTTLE FILLER	3/4"		1-1/2"	2"	WALL MOUNTED EXTERIOR/INTERIOR DRINKING FOUNTAIN HAWS MODEL 1109.14–1920, VANDAL RESISTANT, ADA COMPLIANT WITH BOTTLE FILLER OF 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAINS WITH PUSH BUTTON OPERATED. INSTALL WITH WALL MOUNTING PLATE.	
$\left\langle \begin{array}{c} DF\\ 3\end{array} \right\rangle$	DRINKING FOUNTAIN	3/4"		1-1/2"	2"	WALL MOUNTED EXTERIOR/INTERIOR HI DRINKING FOUNTAIN HAWS MODEL 1109.14 VANDAL RESISTANT, ADA COMPLIANT WITH BOTTLE FILLER OF 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAINS WITH PUSH BUTTON OPERATED. INSTALL WITH WALL MOUNTING PLATE.	
$\left\langle \begin{array}{c} DF \\ 4 \end{array} \right\rangle$	DRINKING FOUNTAIN ADA	3/4"		1-1/2"	2"	WALL MOUNTED EXTERIOR/INTERIOR LO DRINKING FOUNTAIN HAWS MODEL 1109.14, VANDAL RESISTANT, ADA COMPLIANT WITH BOTTLE FILLER OF 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAINS WITH PUSH BUTTON OPERATED. INSTALL WITH WALL MOUNTING PLATE, INSTALL PER ADA	



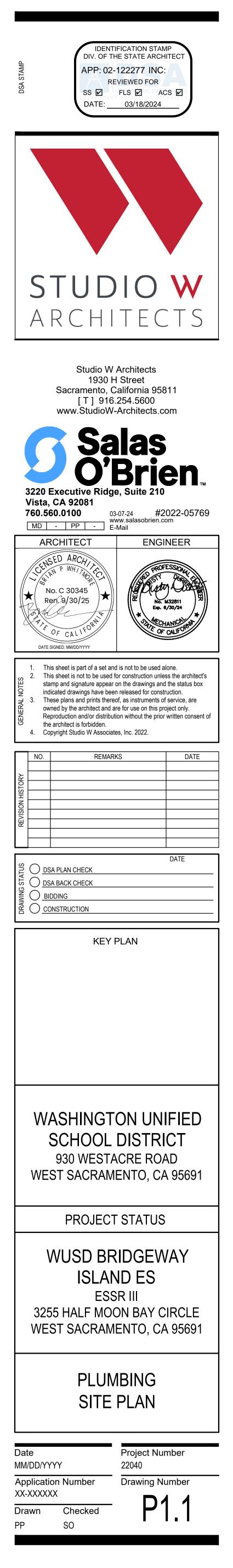


## **GENERAL NOTES**

- A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

## KEY NOTES

- 1 INSTALL NEW DRINKING FOUNTAIN WITH BOTTLE FILLER. CONNECT TO PLUMBING SERVICE OF THE REMOVED FIXTURE.
- (2) DISCHARGE 2" WASTE FROM DRINKING FOUNTAIN TO DRYWELL PER CIVIL
- PLAN.(3) DRYWELL PER CIVIL PLAN.
- 4 CONNECT 3/4" CW TO 1" CW BELOW GRADE. REFER TO CIVIL PLANS FOR CONTINUATION.
- 5 NOT USED.
   6 CONNECT 3/4" CW TO EXISTING 1" CW IN WALL. CONNECT 2" SEWER AND 1-1/2" VENT TO EXISTING 3" SEWER AND 2" VENT IN WALL.



## P.C. NOTES

<u>GE</u>	ENERAL NOTES:
1.	ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA COUREGULATIONS (CCR).
2.	ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
3.	SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADIN
4.	PRIOR TO SUBMITTAL ARCHITECT OF RECORD SHALL IDENTIFY PC MODEL(S) SELEC END USER ON SHEETS T-1.0 AND T-2.0 BY CHECKING THE APPROPRIATE BOX ASSOC WITH SELECTED PC MODEL(S). EXCLUDE SHEETS FOR MODELS NOT SELECTED.
<u>PL</u>	ANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWIN
1.	COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, H NUMBER, AND SPECIFIC SIZE OF THE SHADE STRUCTURE(S).
2.	PROVIDE A CODE ANALYSIS, INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTIONS (V-B). INDICATE OCCUPANT FACTOR (2022 CBC, SECTION 1004).
3.	ACTUAL DIMENSIONS OF SHADE STRUCTURES.
4.	DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTU PROPERTY LINES.
5.	INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET.
6.	SHOW LOCATION OF AUDIBLE FIRE ALARM.
7.	ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPE IN APPENDICES "A, B, & C", RESPECTIVELY, IN ASCE/SEI 19-16, "STRUCTURAL APPLIC, OF STEEL CABLES FOR BUILDINGS."
8.	ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORTS REQUIREMENTS SHALL COMPLY V DSA IR A-4.
9.	ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPEE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.
_	FOR SNOW LOAD MODELS ONLY:
10.	INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN F MINIMUM DIMENSION OF 20'-0" FOR SNOW LOAD MODEL (ASCE 7-16).
11.	ACTUAL SITE ELEVATION (FEET) TO DETERMINE IF THE SITE OCCURS AT OR BELOW UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16.



# FABRIC SHADE STRUCTURE

## DSA P.C. 04-121917

DE OF	LIST OF APPLICABLE CODES:
G ING. CTED BY CIATED NG: P.C. ), T LOAD	<ul> <li>2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA ENERGY CODE (CEC), PART 5, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA GREEN BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA REFERENCED STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.</li> <li>2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.</li> <li>TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</li> </ul> APPLICABLE STANDARDS:
UAL	STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.
ECIFIED	APPLICABLE CODES
CATIONS D WITH D FIRE FEATURE. 7 THE	SITE SPECIFIC PARAMETERS         INSTRUCTIONS: DESIGN PROFFESIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES         BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE         SEISMIC            × DESIGN BASED ON SITE CLASS Deferant: NO GEOTECHNICAL INVESTIGATION REQUIRED Ss = 0.636 Fa = 1.2          OBLIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16 GEOTECHNICAL INVESTIGATION PROVIDED SITE CLASS: <ul> <li>D</li> <li>D SITE CLASS SPECIFIC ONOLIND MODIUM MODIUM HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16</li> <li>SHORT-PERIOD DESIGN SPECTRAL BESIONSE PARAMETER, Spe. SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION CG OF D</li> </ul> <ul> <li>D SITE CLASS:</li> <li>C</li>             D <li>D PER ASCE 7-16 SUPPL 3, TABLE 11.4-1</li> <li>D DESIGN BASED ON SITE CLASS SPECIFIC ONOLIND MODIUM MODIUM HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16</li> <li>SHORT-PERIOD DESIGN SPECTRAL BESIONSE PARAMETER, Spe. SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION CG D</li>             Spe = 2/3 Fa 5S = OBB &lt; 2.0              CS = 1.6 USED IN DESIGN SEISMIC DESIGN CATEGORY: X D             E                 CODE ANALYSIS                  OCCUPANCY GROUP                COLDPANT LOAD                FACTOR</ul>
	SITE SPECIFIC PARAMETERS

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

## MANUFACTURER:

USA SHADE & FABRIC STRUCTURES 2580 ESTERS BOUVLEVARD, SUITE 100 DFW AIRPORT, TEXAS 75261 PH. 800-966-5005 W. www.usa-shade.com

## ARCHITECT:

HIGGINSON ARCHITECTS, INC. DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT 34247 YUCAIPA BOULEVARD, SUITE D YUCAIPA, CALIFORNIA 92399 PH. 909-499-0058

E. dhigginson@higginsonarchitects.comW. www.higginsonarchitects.com

MARK LOWE, S.E. c/o USA SHADE AND FABRIC STRUCTURES



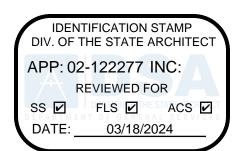
## **ARCHITECT / ENGINEER**

	SHEET NO.	SHEET DESCRIPTION	UNIT STRUCTURE TYPE	MAX. UNIT SIZE	UNIT MODEL NUMBER
Ķ	T-1.0	TITLE SHEET			
	T-2.0 T-3.0	UNIT SELECTION T&I FORMS			
	1.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 15'	DSA4012030-2
	1.2-2000	REACTIONS	HIP	20' x 30' x 15'	DSA4012030-2
	2.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 15'	DSA4013030-2
	2.2-2000	REACTIONS	HIP	30' x 30' x 15'	DSA4013030-2
	3.1-1000	PRODUCT INFORMATION REACTIONS	HIP HIP	30' x 40' x 15' 30' x 40' x 15'	DSA4013040-2 DSA4013040-2
	4.1-1000	PRODUCT INFORMATION	HIP	40' x 40' x 15'	DSA4014040-2
	4.2-2000	REACTIONS	HIP	40' x 40' x 15'	DSA4014040-2
	5.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 12'	DSA401203012-2
	5.2-2000	REACTIONS	HIP	20' x 30' x 12'	DSA401203012-2
	6.1-1000	PRODUCT INFORMATION REACTIONS	HIP HIP	30' x 30' x 12' 30' x 30' x 12'	DSA401303012-2 DSA401303012-2
	7.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 12'	DSA401304012-2
	7.2-2000	REACTIONS	HIP	30' x 40' x 12'	DSA401304012-2
	8.1-1000	PRODUCT INFORMATION	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-2
	8.2-2000	REACTIONS	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-2
	9.1-1000	PRODUCT INFORMATION DETAILS		VARIES	DSA401J-2
	9.2-1001	REACTIONS	JOINED HIPS JOINED HIPS	VARIES	DSA401J-2 DSA401J-2
	10.1-1000	PRODUCT INFORMATION	QUAD JOINED HIPS	VARIES	DSA401Q-2
	10.2-1001	DETAILS	QUAD JOINED HIPS	VARIES	DSA401Q-2
	10.3-2000	REACTIONS	QUAD JOINED HIPS	VARIES	DSA401Q-2
<b>K</b> [	11.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-2
<b>K</b>	11.2-2000	REACTIONS		20' x 30' x 15'	DSA2022030-2
	12.1-1000	PRODUCT INFORMATION REACTIONS	FULL CANTILEVER HIP JOINED	20' x 200' x 15' 20' x 200' x 15'	DSA3022060-2 DSA3022060-2
	13.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	14' x 14' x 12'	DSA3022080-2 DSA1031414-2
	13.2-2000	REACTIONS	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-2
	14.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-2
	14.2-2000	REACTIONS	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-2
	15.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-2
	15.2-2000	REACTIONS		14' x 14' x 12'	DSA1241414-2
	16.1-1000	PRODUCT INFORMATION REACTIONS	SINGLE POST PYRAMID CANTILEVER SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12' 20' x 20' x 12'	DSA1242020-2 DSA1242020-2
	17.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 30' x 15'	DSA4073030-2
	17.2-2000	REACTIONS	MARINER PEAK	30' x 30' x 15'	DSA4073030-2
	18.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 40' x 18'	DSA4073040-2
	18.2-2000	REACTIONS	MARINER PEAK	30' x 40' x 18'	DSA4073040-2
	19.1-1000	PRODUCT INFORMATION		30' x 133' x 15'	DSA407J3060-2
	19.2-2000 20.1-1000	REACTIONS PRODUCT INFORMATION	MARINER PEAK JOINED MARINER PEAK QUAD	30' x 133' x 15' 60' x 60' x 15'	DSA407J3060-2 DSA407Q6060-2
	20.2-2000	REACTIONS	MARINER PEAK QUAD	60' x 60' x 15	DSA407Q6060-2 DSA407Q6060-2
	21.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-2
	21.2-2000	REACTIONS	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-2
	22.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-2
	22.2-2000	REACTIONS	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-2
	23.1-1000	PRODUCT INFORMATION	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-2
	23.2-2000	REACTIONS PRODUCT INFORMATION	TENSION SAILS THREE POINT TENSIONS SAILS FOUR POINT	30' x 133' x 15' 20' x 200' x 15'	DSA30730-2 DSA4182020-2
	24.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-2 DSA4182020-2
	25.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-2
	25.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-2
	26.1-1000	PRODUCT INFORMATION	TRIANGLE	25' x 25' x 15'	DSA30125-2
	26.2-2000	REACTIONS	TRIANGLE	25' x 25' x 15'	DSA30125-2
	27.1-1000	PRODUCT INFORMATION REACTIONS	TRIANGLE TRIANGLE	40' x 40' x 15' 40' x 40' x 15'	DSA30140-2 DSA30140-2
	27.2-2000	PRODUCT INFORMATION	HEXAGON	Ø40' X 15'	DSA30140-2 DSA60340-2
	28.2-2000	REACTIONS	HEXAGON	Ø40' X 15'	DSA60340-2
	29.1-1000	PRODUCT INFORMATION	HEXAGON	Ø60' X 15'	DSA60360-2
	29.2-2000	REACTIONS	HEXAGON	Ø60' X 15'	DSA60360-2
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	A separate project applicatior for construction is required.	1
	Eng. By : DWH	2/14/23
	Design By : DWH	2/14/23
	Approved By : DWH	2/14/23
	DRAWING DESCRIPTION:	
	DWG.	
	TITLE SHEET	
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STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN **USA**SHADE & Fabric Structures' **CORPORATE HEADQUARTERS** 2580 ESTERS BLVD. SUITE 100 DFW AIRPORT, TX, 75261 800-966-5005 **CERTIFICATIONS:** IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355 CUSTOMER: Washington U.S.D. PROJECT NAME: Bridgeway Island Elementary ²² LOCATION: 22 3255 Half Moon Bay Circle West Sacramento, CA 95691 MODEL NUMBER:

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC



GENERAL NOTES - SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST BUILDING CODE (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL FLOOR LIVE LOAD MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING, UNCERTIFIED ROOF LIVE LOAD STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION. 2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING. 3.- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF) 4.- DESIGN PER FOLLOWING CODES: CBC 2022 (CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16 STRUCTURAL STEEL 1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN ROOF SNOW LOAD ICE LOAD BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1. 2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES. 3.- ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500-16 GRADE C, IN ITS' ENTIRETY. TYPICAL MECHANICAL PROPERTIES ARE: ROUND TUBE GRADE C 46,000 PSI YIELD STRESS MINIMUM / 62,000 PSI TENSILE STRESS MINIMUM 5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS_PRODUCTS: SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS 6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50. 7.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS. 8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED. AWS D1.8 SEISMIC SUPPLEMENT. 9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8. 0.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. GMAW IS ACCEPTABLE. 1.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 65 KSI, TENSILE STRENGTH=100 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW1. ALL NUTS SHALL COMPLY WITH ASTM F-594 -ANALYSIS PROCEDURE ALLOY GROUP 2, CONDITION CW1. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH -RISK CATEGORY STRENGTH BOLTS. BOLTS, ITEM 11, SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST). 12.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM F3125 GRADE A325 N (GALVANIZED). ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436. HIGH STRENGTH BOLTS, ITEM 15, SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST) WITH DOUBLE NUTS. ALL NUTS SHALL BE LUBRICANT AT THE TIME OF THE FIELD INSTALLATION. WASHERS SHALL BE GALVANIZED PER ASTM F2329. 13.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS: - PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247). - SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS. 14.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT. 15.- ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT. CONCRETE SPECIFICATIO - CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A. 2.- CONCRETE TO BE F'C= 4500 PSI, TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19. (NO ADMIXTURES CONTAINING CALCIUM CHLORIDE WILL BE USED.) REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 AND TO BE Fy= 60000 PSI, MIN. GR. 60. ALSO COATED ACCORDING TO ASTM A767/ A767M, STANDARD SPECIFICATION FOR ZINC-COATING (GALVANIZED) STEEL BARS FOR CONCRETE REINFORCEMENT. 3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329). ANCHOR BOLT'S DIAMETER NEEDS TO BE AS FOLLOW: A) ANCHOR BOLT Ø1 1/4" 4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT. 5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE. 6.- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3. FABRIC SPECIFICAT - FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD., WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS. MINIMUM SEAM LENGTH 3/4". 2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS. - PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO 4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST. FLAME SPREAD INDEX (FSI): 10. SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA. 5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED. 6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION. AIRCRAFT CABLE - FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14.400 LBS. CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS Sa=4909 LB. - CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED. MAXIMUM OCCUPANT LOAD (PER CBC 2022 TABLE 1604A.5) 250 PERSONS -K-12:

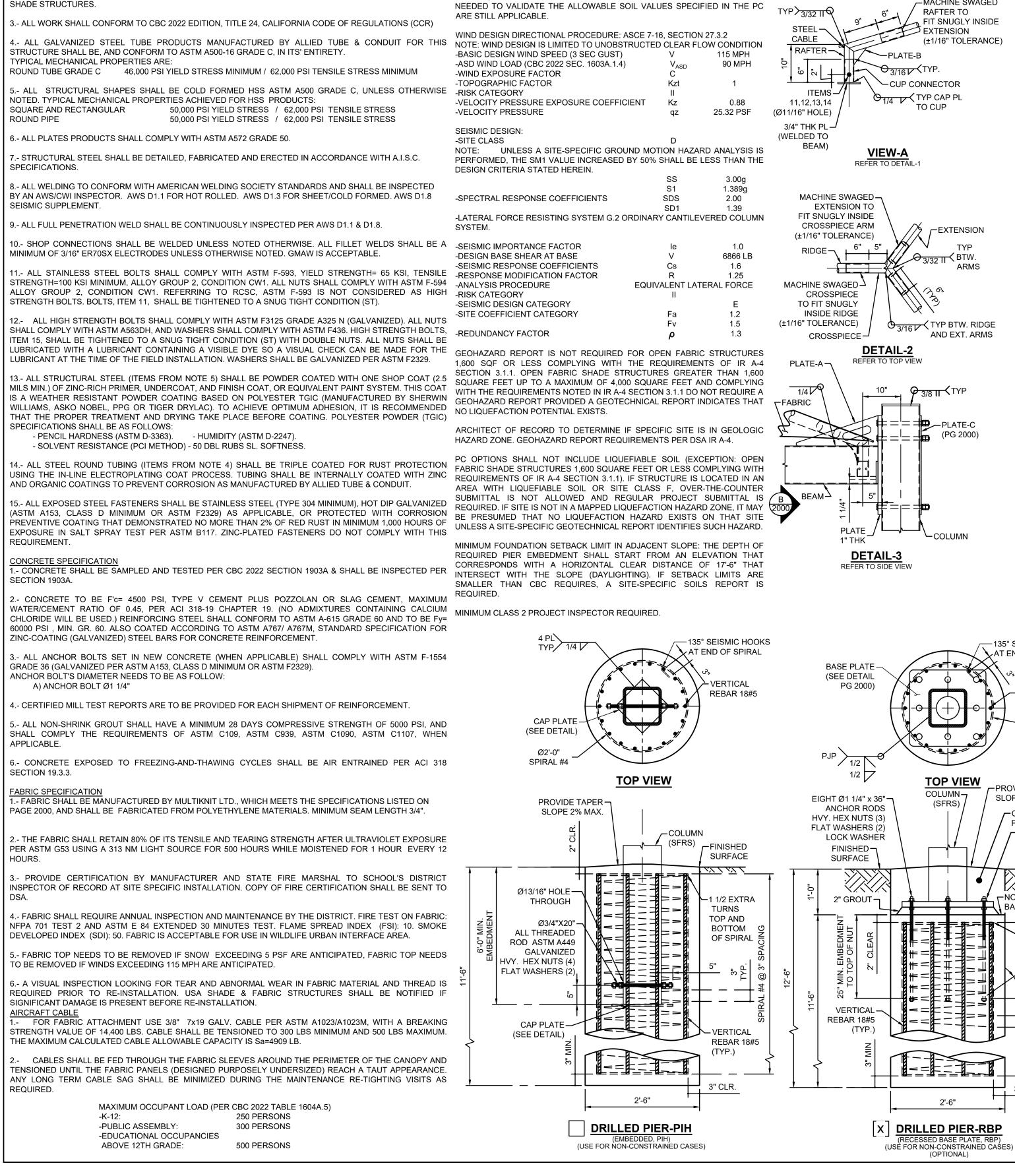
-PUBLIC ASSEMBLY:

ABOVE 12TH GRADE:

-EDUCATIONAL OCCUPANCIES

300 PERSONS

500 PERSONS



CABLE TERMINATION ALLOWABLE SOIL PRESSURE: END "B" 1500 PSF DL + LL + SEISMIC (CONC FTG) 1500 PSF TYP LATERAL BEARING DESIGN VALUE 100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2 TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT) Ø1/2" x 2" LG-→ PER CBC SECTION 1806A.3.4. FABRIC PIN (A36) ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE). UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3. ZERO PSF ZONE X WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS

CBC 2022 (BASED ON IBC 2021)

5 PSF

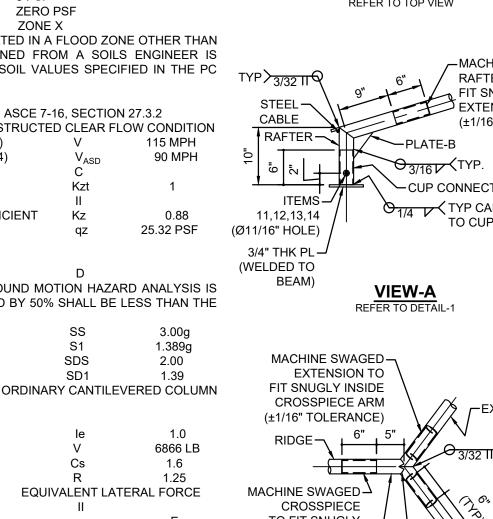
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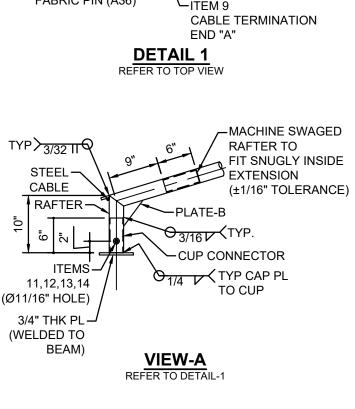
RLL

CBC PC DESIGN NOTES

DL + LL (CONC FTG)

FLOOD HAZARD AREA





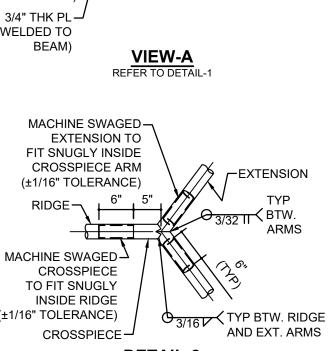
-CABLE CLAMPS

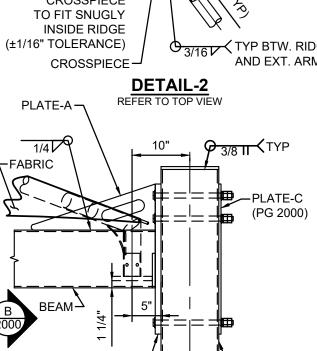
(2 EACH SIDE)

RAFTER-

STEEL CABLE-

ITEM 9-





-COLUMN

TOP VIEW

(SFRS)

2'-6"

(OPTIONAL)

-135° SEISMIC HOOKS

-VERTICAL

PROVIDE TAPER

-CONCRETE

POURBACK

-NOTE: BASE AT

-1 1/2 EXTRA

TURNS

TOP AND

BOTTOM

OF SPIRAL

3" CLR

SLOPE 2% MAX.

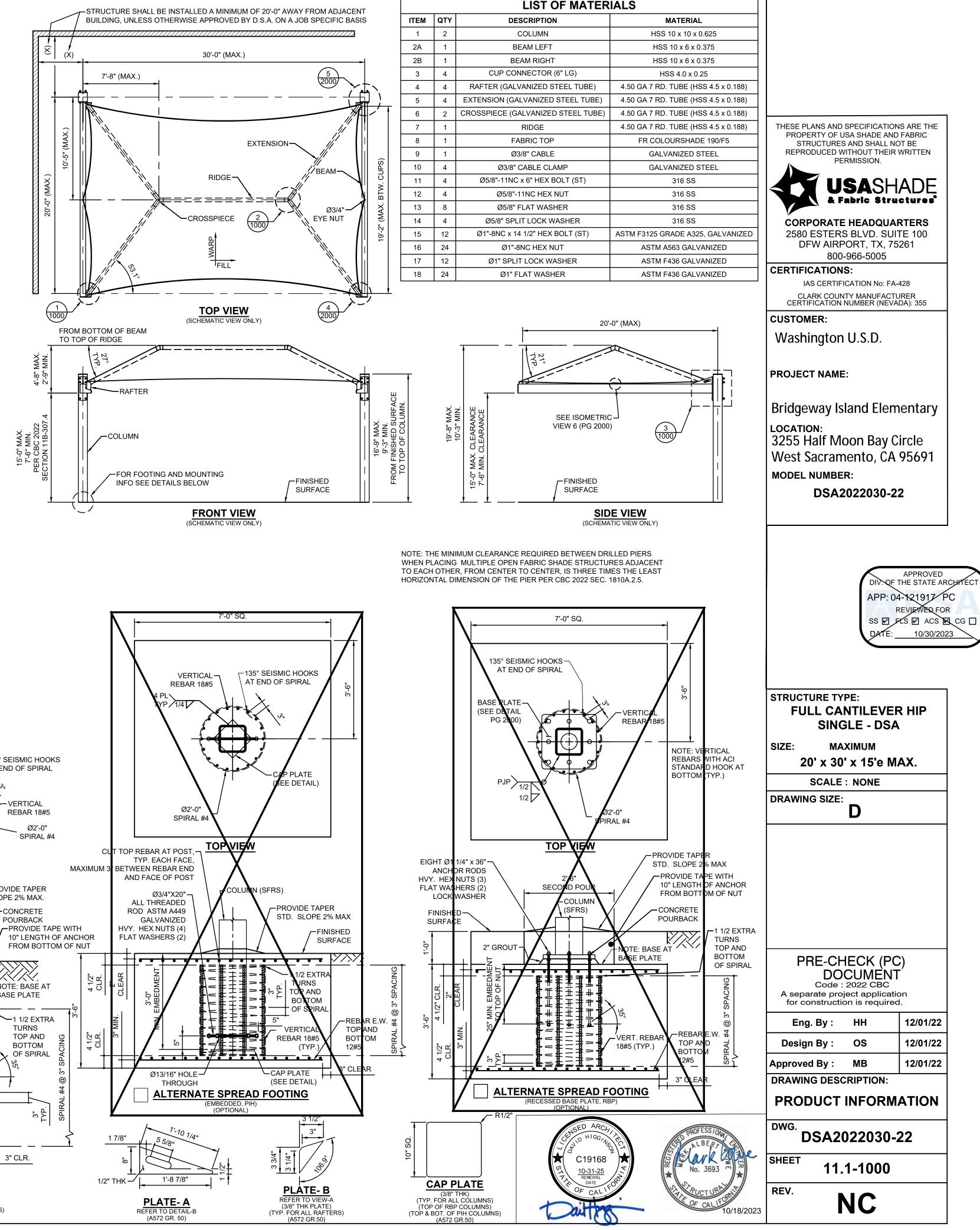
**REBAR 18#5** 

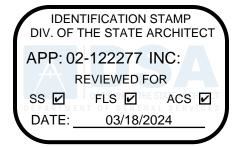
Ø2'-0"

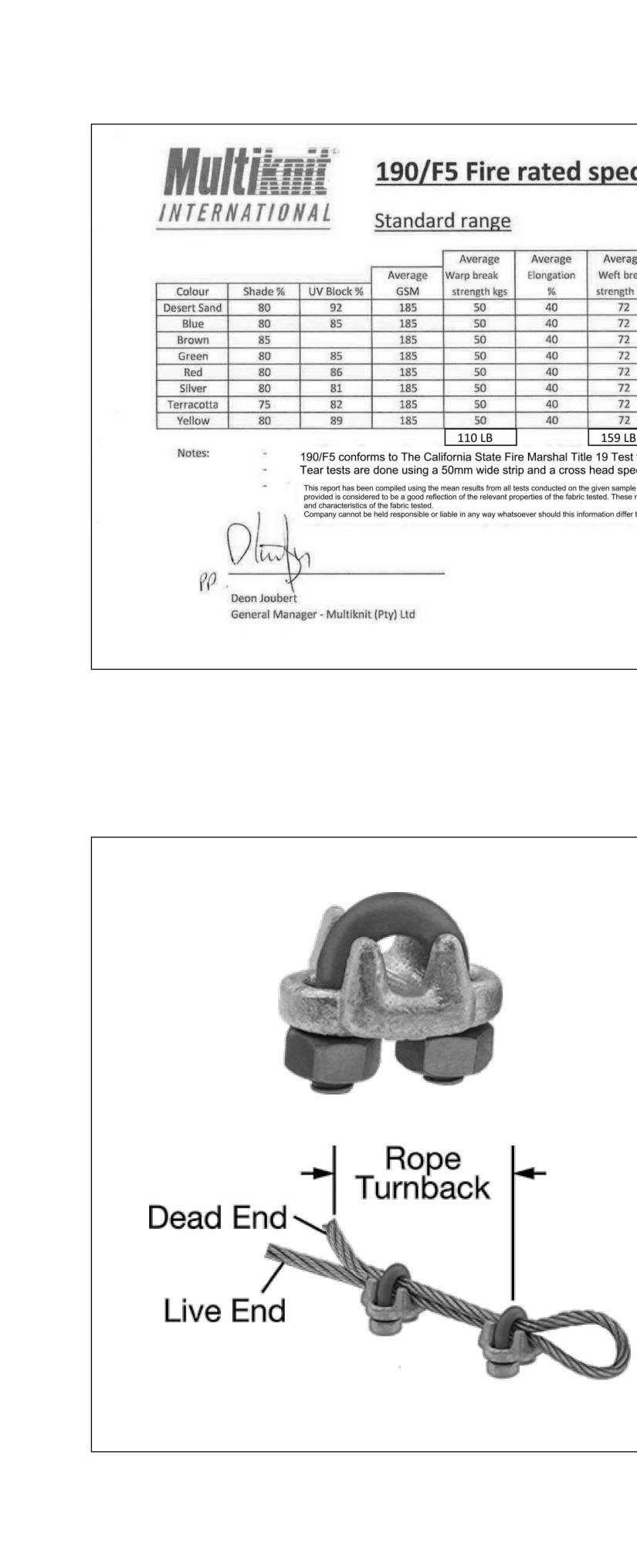
SPIRAL #4

AT END OF SPIRAL

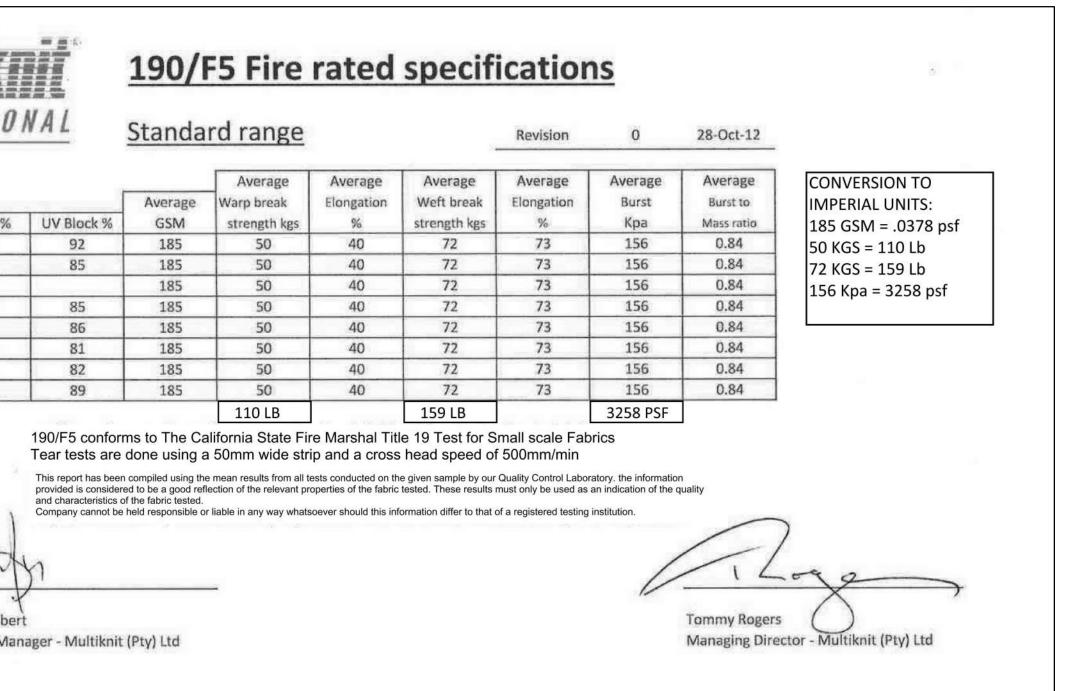
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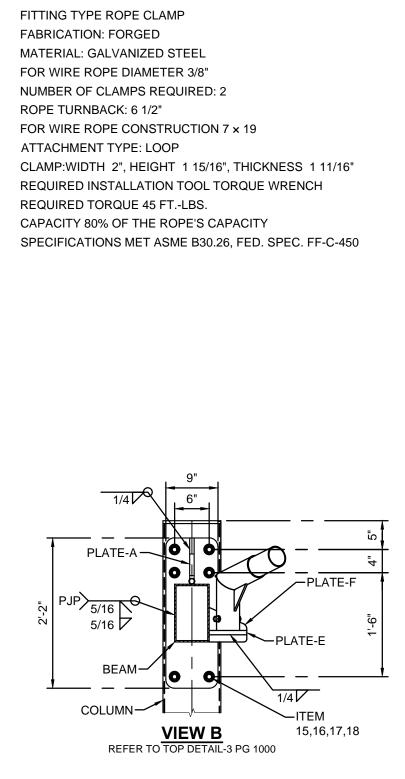






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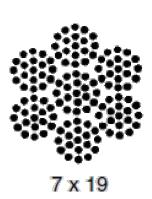


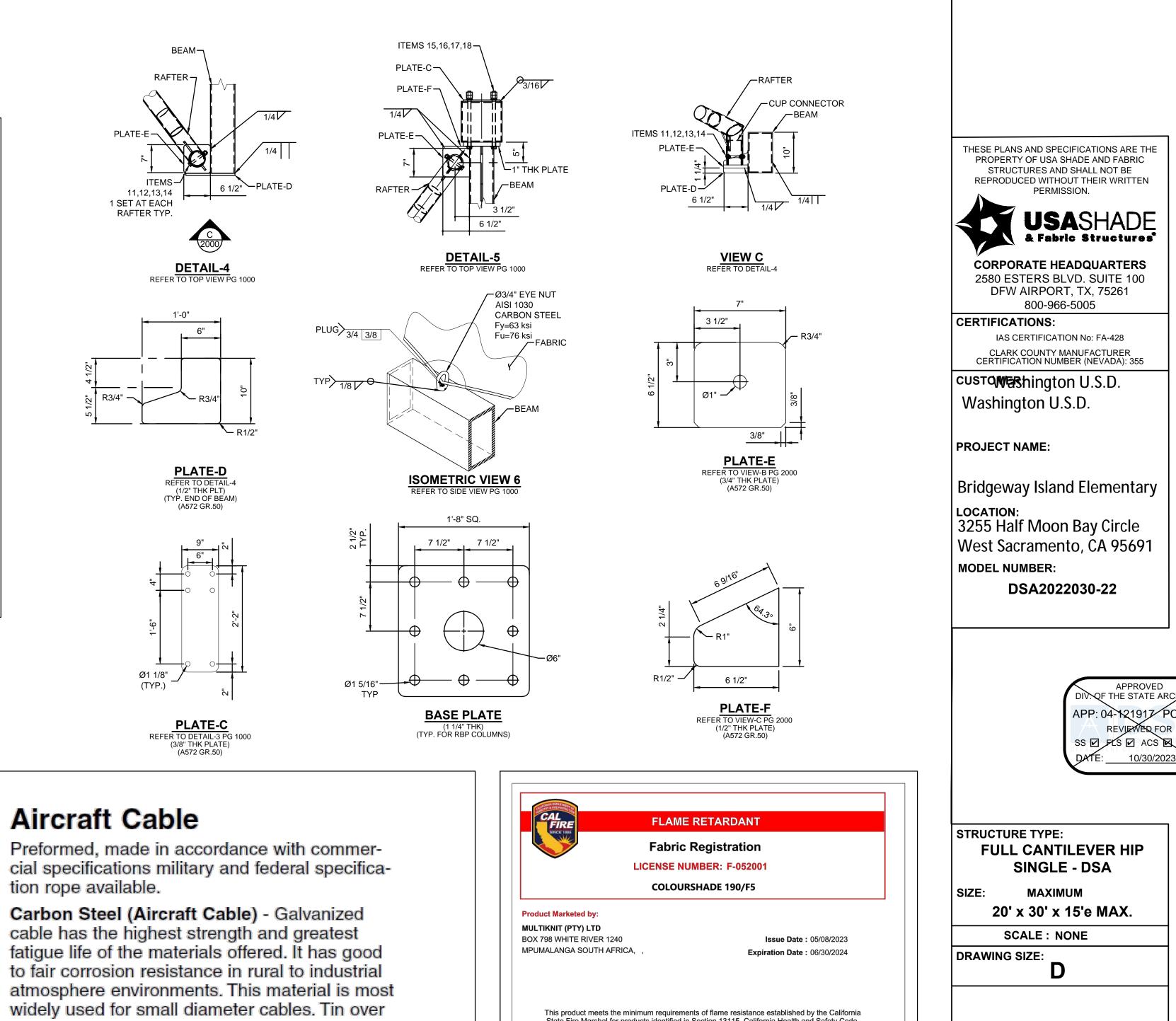
FORGED WIRE ROPE CLAMP

## Aircraft Cable

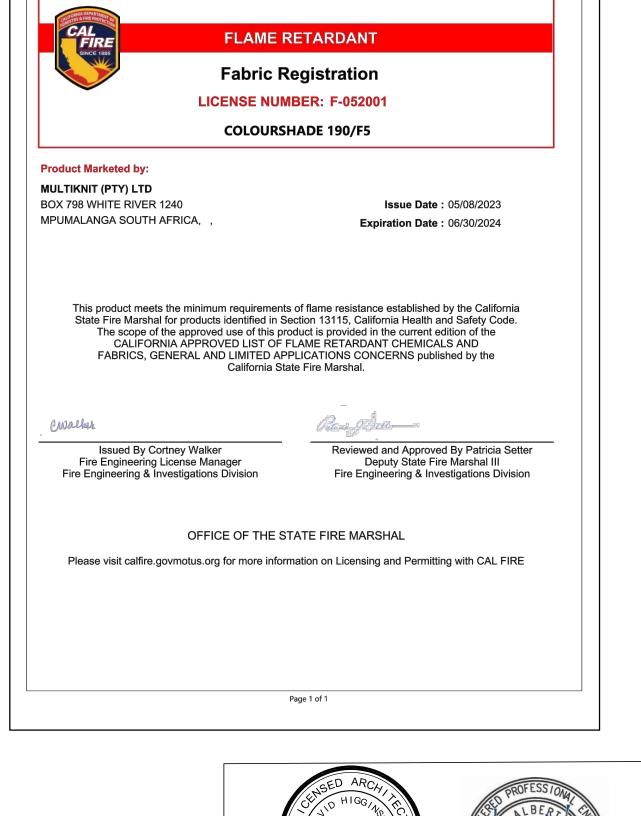
tion rope available.

galvanized ance and re

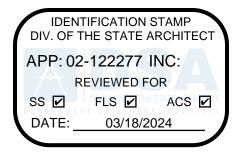




7 8 19		Min.
Dia. (In)	Approx. Wt 1000 Ft/lbs	Breaking Strengths (lbs)
3/32	17.	1,000
1/8	29.	2,000
5/32	45.	2,800
3/16	65.	4,200
7/32	86.	5,600
1/4	110.	7,000
9/32	139.	8,000
5/16	173.	9,800
3/8	243.	14,400
		1







DIV. OF THE STATE ARCHITEC APP: 04-121917 PC SS D PLS D ACS CG D 10/30/2023

