# MODERNIZATION LAKEWOOD ELEMENTARY SCHOOL LIMITED PROJECT SCOPE DESCRIPTION 1100 N. HAM LANE THE PROJECT SCOPE INTENDED TO BE DESCRIBED IN THESE DRAWINGS INCLUDES CONSTRUCTION OF: I. THE NEW PARKING LOT, ASSOCIATED UNDERGROUND AND NEW ADJACENT WALKWAYS AS INDICATED. 2. THE NEW BUS TURNOUT LANE AT N. HAM LANE AND NEW ADJACENT WALKWAYS AS INDICATED LODI, CA 95242 3. A NEW CONCRETE DRIVEWAY AT THE EXISTING ROLLING VEHICLE GATE AT TURNER ROAD. THE MODERNIZATION WORK FOR THE REMAINDER OF THE SITE AND INTERIOR SPACES WILL BE BID AND

# ABBREVIATIONS

And

Angle

Centerline

Perpendicular

Pound or Number

Asphalt Concrete

Auto Visual

Bolt

Board

Building

Diameter

Plate

A.D.

ADJ.

A.V.

A.C.

ACOUS Acoustical Area Drain Adjustable A.F.F. Above Finished Floor AGGR Aggregate ALUM./AL Aluminum ARCH. Architectural ASPH. Asphalt AUTO. Automatic

BD. BLDG BLK. BLKG. BM. BOT B.S. CAB C.B CB. CEM CER

CLG. CLKG. CLR. C.M.P. C.M.U. CNTR. COL. CONC. CONN. CONSTR CONT CORR.

D.G.

DBL. DET.

D.F

DIA. DIM.

DN.

DP. D.P

DR.

D.S. DWG.

DIM.PT

Block Blocking Beam Bottom Both Sides Cabinet Catch Basir Chalkboard Cement Ceramic Corner Guard Cast Iron Construction Join/Control Joint Chain Link Ceiling Calking Clear Corrugated Metal Pipe Concrete Masonry Unit Counter Column Concrete Connection Construction Continuous Corridor Pennyweight (Nails)

Disabled Accessible Double Detail Drinking Fountain Drain Inlet Diameter Dimension Dimension Point Down Deep Damp Proofing Door Downspout

Drawing

ELEC. EMER ENCL. EQ. EQPT. E.W.C EXP. EXT. F.A. F.B. F.D. FDN. F.E. F.F.E. F.H.M.B. F.H.M.S. FIN. FL. F.L. FLASH'G F.O.C. F.O.F. F.O.S. F.R.P. F.S. FT. FTG. FURR. FUT. GA GALV. GB GND. GR. GYP. G.I. G.S.M. GYP. GYP.BD.

(E)/EXST.

EA.

E.J.

HDR. HDWD. HDW. HOR. H.B. HR. HGT. I.D. IN. INFO. INSUL INT. JAN. JST.

Janitor

Joist

Joint

East Existing Each Expansion Joint Elevation Electrical Emergency Enclosure Equal Equipment Electric Water Cooler Expansion Exterior
Fire Alarm Fiberboard Floor Drain Foundation Fire Extinguisher Finish Floor Elevation Flat Head Machine Bolt Flat Head Machine Screw Finish Floor Fusible Link Flashing Face of Concrete/Curb Face of Finish Face of Studs Fiberglass Reinforced Plastic Full Size Foot/Feet Footing Furring Future
Gauge Galvanized Grab Bar Glass/Glazing Ground Grade Gypsum Galvanized Iron Galvanized Sheet Metal Gypsum Gypsum Board
Header Hardwood Hardware Horizontal Hose Bib Hour (Fire Rating) Height
Inside Diameter Inch Information Insulation Interior

LAM.	Laminate
LAV.	Lavatory
LKR.	Locker
LT.WT.	Light Weight
L.V.	Louver Vent
MAX. M.B. MAT'L. MECH. MEMB. MEZZ. MFR. MH. MIN. MIN. MIN. MISC. MTD. MET.	Maximum Machine Bolt Material Mechanical Membrane Mezzanine Manufacturer Manhole Minimum Mirror Miscellaneous Mounted Metal
(N)	New
N.	North
N.I.C.	Not in Contract
NO./#	Number
NOM.	Nominal
N.T.S.	Not to Scale
O/	Over
O.A.	Overall
OBS.	Obscure
O.C.	On Center
O.D.	Outside Diameter
O.H.	Opposite Hand
OFF.	Office
PRCST. PERF. P.LAM. PLAS. PLYWD. P.M. P.M.F. PR. P.O.T. PRE-FAB PROJ. P.T.D. P.T.D. P.T.D. PTN. P.T.R.	Precast Perforated Plastic Laminate Plaster Plywood Pressed Metal Pressed Metal Frame Pair Path of Travel Prefabricated Project Paper Towel Dispenser Paper Towel Dispenser Receptacle Partition Paper Towel Receptacle
R.	Riser
RAD.	Radius
R.B.	Rubber Base
R.D.	Roof Drain
R.E.	Rim Elevation
REFR.	Refrigerator
RGTR.	Register
REINF.	Reinforced
REQ.	Required

RE1

RM.

R.O.

RWD.

R.W.L.

R.H.W.S.

Return

Rough Opening

Rain Water Leader

Round Head Wood Screw

Redwood

Room

KP

KIT

Kickplate

Kitchen

S.D SEC SHR. SHTG SIM S.M. SMS S.N.D SNR SRV S.SK SST ST STD STL STOR STRL SUSP SYM. SHT.VNL TB T.&G TEL THK THRES. THRU T.O.C. T.O.P. T.O.W. T.P.D. U.O.N. UR. V.C.T. VERT. V.F W.C. WD W.H W/O WSCT. W.W.M. WDW. WT YD

MATERIAL LEGEND FARTH WOOD TRIM ᡔᢨᢁᡔ GRAVEL/AGGREGATE BASE STEEL SAND OR PLASTER TILE CONCRETE BATT INSULATION BLOCKING BRICK RAMING (CONTINUOUS) GYPSUM BOARD PLYWOOD FIRTEX

# APPLICABLE CODES

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGUL TITLE 24 CCR, PART 1 - 2022 BUILDING STANDARDS ADMINISTRATIVE CODE TITLE 24 CCR, PART 2 - 2019 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC) TITLE 24 CCR, PART 3 - 2019 CALIFORNIA ELECTRICAL CODE (CEC) TITLE 24 CCR, PART 4 - 2019 CALIFORNIA MECHANICAL CODE (CMC) TITLE 24 CCR, PART 5 - 2019 CALIFORNIA PLUMBING CODE (CPC) TITLE 24 CCR, PART 6 - 2019 CALIFORNIA ENERGY CODE (CEC) TITLE 24 CCR, PART 9 - 2019 CALIFORNIA FIRE CODE (CFC) TITLE 24 CCR, PART 11 - 2019 CALIFORNIA GREEN BUILDING STDS CODE TITLE 24 CCR, PART 12 - 2019 CALIFORNIA REFERENCED STANDARDS 2016 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) 2016 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS 2017 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS 2017 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS 2016 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2016 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS 2016 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED) 2016 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVE 2015 NFPA 720, INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT 2015 NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

# CONSTRUCTED AT A LATER DATE.

	SYMBOL LEGEND		CONTA
South Soap Dispenser Section Shower Sheet Sheet Sheeting Similar Sheet Metal Sheet Metal Sheet Metal Screw Sanitary Napkin Dispenser Sanitary Napkin Dispenser Sanitary Napkin Receptacle Specification Square Semi Rigid Vinyl Service Sink Stainless Steel Street Standard Steel Storage Structural	SHEET NUMBERING SYSTEM Discipline Designation Drawing Type Designation Drawing Type Designation Sheet Number A 2.6.A Building Designation ROOM NAME and NUMBER REFERENCE WOMEN Room Name A 103 Room Number Building Unit KEYNOTE REFERENCE 2200.A7.05 SHEET NOTE REFERENCE	STRUCTURAL GRID INDICATOR   (Center of Framing)   A   STRUCTURAL GRID INDICATOR   (Face of Framing)   3   MATCH LINE   CENTERLINE   PROPERTYLINE   WORK POINT, CONTROL POINT OR DATUM	ELEC M. NEILI 100 HOV SACRAI CONTAC PHONE: EMAIL: UNARRE 1117 WI EL DOR CONTAC PHONE: EMAIL: MAIL: MAIL:
Suspended Symmetrical Sheet Vinyl	SN.01 -	INTERIOR ELEVATION REFERENCE	MTW GF 2707 K S SACRAI
Toilet Tackboard Towel Bar Tongue & Groove Telephone Thick Threshold Through Top of Curb Top of Curb Top of Pavement Top of Wall Toilet Paper Dispenser Typical	DETAIL REFERENCE         X       Detail Number         AXXX       Sheet Number         BUILDING SECTION REFERENCE         X       Sheet Number         X       Sheet Number         X       Sheet Number	A.5 A.5 A.5 A.5 A.5 A.5 A.5 A.5	CONTA PHONE EMAIL:
Unless Otherwise Noted Urinal Vinyl Composition Tile Vertical Vinyl Fabric West W/ With Water Closet Wood Water Heater Without Wainscot Welded Wire Mesh Window Weight Yard	STOREFRONT, WINDOW OR LOUVER REFERENCE Windows Covering Reference H=HORIZONTAL BLINDS V=VERTICAL BLINDS V=VERTICAL BLINDS D=DARKENING DRAPES DOOR REFERENCE $A101CEILING TYPE REFERENCEC2WALL TYPE REFERENCEC2EXTERIOR FINISH REFERENCEAPAINT COLOR REFERENCEPC1$ (Architect to provide color selection)	Radius Point Number $R=92'-4''(1)$ Radius Dimension $R=92'-4''(1)$ Radius Dimension $CASEWORK REFERENCE$ $(221A)L - Indicates all drawers and doors to have locks installed IDETAL SHELVING REFERENCE IDETAL SHELVING REFERE$	1. P 1. F 2. M 3. D 4. R 5. C H 6. C
	CONTRACTOR SHALL KEEP A COPY OF TITLE 24, PAR	RTS 1-5 ON THE SITE AT ALL TIMES.	DE
ATIONS	TITLE 24, PART 1, SECTION 4.317(c):		1. (N

HE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS A CONSTRUCTION CHANGE DOCUMENT, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH REPAIR WORK."

NOTES:

- 1. ALL NEW WORK SHALL CONFORM TO THE 2019 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS.
- 2. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN APPROVED SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, CAC, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. ALL CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATIONS IA A-6. CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24, AND NO WORK SHALL COMMENCE UNTIL APPROVED BY DSA.
- 3. A DSA "CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (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 4-343, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
- 4. A DSA CERTIFIED INSPECTOR WITH CLASS 3 IS REQUIRED FOR THIS PROJECT (IR A-7) 5. AN LEA TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT
- 6. GRADING PLANS, DRAINAGE IMPROVEMENT, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES. 7. ADDENDA SHALL BE APPROVED BY DSA.

# **PROJECT TEAM**

OWNER

LODI UNIFIED SCHOOL DISTRICT 1305 E. VINE STREET LODI, CA 95240 CONTACT: JOE PATTY PHONE: (209) 712-6363 EMAIL: jpatty@lodiusd.net

ARCHITECT HENRY + ASSOCIATES ARCHITECTS 730 HOWE AVE, SUITE 450 SACRAMENTO, CA 95825 CONTACT: STEPHEN HENRY PHONE: (916) 799-3027 EMAIL: <u>stephen@henry-architects.com</u>

## STRUCTURAL

**RW ENGINEERS** 1450 HARBOR BLVD, SUITE F WEST SACRAMENTO, CA 95691 CONTACT: GREG RICHARDS PHONE: (916) 716-6910 EMAIL: grichards@rwengineers.com

MECHANICAL

CAPITAL ENGINEERING CONSULTANTS, INC. 11020 SUN CENTER DRIVE, SUITE 100 RANCHO CORDOVA 20095670 MIKE MINGE (916) 851-3500 nge@capital-engineering.com

**FRICAL** 

NGINEERING, INC. AVENUE, SUITE 235N NTO, CA 95825 SINISHA GLISIC (916) 923-4400 sic@mneilsengineering.com

CONSULTING ENGINEERS, INC. FIELD WAY, SUITE 110 O HILLS, CA 95762 MARTY GEE (916) 985-1870 ty@wceinc.com

SCAPE

REET, SUITE 201 NTO, CA 95816 BRYAN WALKEF (916) 369-3990 n@mtwgroup.com

# JECT DESCRIPTION

- NING OF CLASSROOMS & REPLACEMENT OF ORING AT BUILDING A, B, C, D AND E.
- DERNIZATION OF TOILET ROOMS AT LDINGS A, B, C, AND E.
- . PATH OF TRAVEL WALKWAY REPLACEMENT ROUGHOUT CAMP
- CONFIGURATION AND EXPANSION OF EXISTING RKING LOT
- ERLAY, SEALING AND RESTRINNG OF RDCOURTS.
- NOTRUCTION OF NEW BUS RNOUT/DROP-OFF.

# ERRED APPROVALS

NE)

# VICINITY MAP

LAKEWOOD ELEMENTARY SCHOOL 1100 N. HAM LANE, LODI, CA 95242 PROJECT LOCATION









THE SHADED AREAS REPRESENT THE LIMITED SCOPE OF WORK

NOTE:

<b>ADSA</b> 810	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL	APP: 02-120455 INC: REVIEWED FOR
Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.	SS 🗹 FLS 🗹 ACS 🗹 DATE: 01/12/2023
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.	te 450
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.	le, Sui 95825 2112
For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for	

PROJECT INFORMATION School District/Owner LODI UNIFIED SCHOOL DISTRICT Project Name/School: MODERNIZATION LAKEWOOD ES / LAKEWOOD ELEMENTARY SCHOOL

Project Address: 1100 N. HAM LANE, LODI, CA 95242

E	& LIFE SAFETY INFORMATION			
Ţ	Has a fire hydrant flow test been performed within the past 12 months?	Yes 🗆		No 🖾
	(If yes, provide a copy of the test data.)			
	Was the fire hydrant water flow test performed as part of this LFA review?	Yes 🗆		No 🖾
	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? ( <i>If yes, indicate FHSZ classification below.</i> )	Yes 🗆		No X
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate	High 🔲	Very High 🗖
	Wildland Interface Area (WIFA) (If any designations are checked, project requirements of CBC Chapter 7A.)	design must m	eet the	

Page 1 of 4 STATE OF CALIFORNIA

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

#### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

DITION MEANS AND METHODS RESOLUTION	ALTER	NATE A	CCEPTE	Đ
	Yes	No	N/A	N/R
Emergency vehicle access roadways do not meet CFC requirements.				= a
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.	X			
Fire Hydrants: Number and spacing does not meet CFC requirements.			X	
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.				
Fire Hydrants: Water flow and pressure are less than CFC minimum			X	
Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.		1948	X	
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.				
District Acceptance of Acceptable Design Alternates				

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.

CBO Leonard 7 Title Kahn Date: 12/8/2022

Review Official:	BRAD DOELL		
BATTALIO	N CHIEF / FIRE MARSHALL	Work Phone:	209-333-6739
Email: bdoel	l@lodi.gov	50 S	

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

Page 2 of 4 STATE OF CALIFORNIA

THE FOLLOWING ALTERNATE MEANS ARE ACCEPTABLE TO THE CITY OF LODI FIRE DEPARTMENT (LFA) AS A WAY TO MITIGATE THE DISTANCES IN EXCESS OF 150' FROM THE HARDCOURT EMERGENCY VEHICLE ACCESS STAGING LOCATION TO BUILDING B, BUILDING C AND BUILDING E:

1. THE LFA CARRIES IN EXCESS OF 1,000 LF OF FIRE HOSE ON THEIR TRUCKS AND IS TRAINED AND PREPARED TO COUPLE AND EXTEND FIRE HOSE AS MAY BE NECESSARY TO REACH THE ABOVE LISTED BUILDINGS AND AS MAY BE REQUIRED TO FIGHT A FIRE.

2. FOR AN ALTERNATE EMERGENCY RESPONSE APPROACH REQUIRED BY THE LFA AT BUILDING E AND BUILDING C, THE LFA WOULD STAGE THEIR EQUIPMENT AT N. HAM LANE WEST OF BUILDING E AND ENTER THE SITE THROUGH THE MAN GATE JUST SOUTH OF BUILDING E. THE LFA

SS DATE:	FLS ACS 2
	730 Howe Avenue, Suite 450 Sacramento, CA 95825 Phone: 916.921.2112 Fax: 916.921.2212
	HENRY+ Associates Architects
★ STRIC	ED ARCHIER EN LINE 2-22525 12/31/23 RENEWAL DATE DATE DF CALLE
MODERNIZATION LAKEWOOD ELEMENTARY SCHOOL	FIRE AUTHORITY APPROVAL SITE PLAN
CONSULTANT PROJECT NO.	REVISIONS BY
21-32-052 DATE 3/28/2022 DRAWN MS CHECKED	
SCALE CADFILE UPDATED 11/17/2022	
SHEET NO.	.1.0





BUILDING DATA					
BUILDING	DSA APPLICATION NUMBER	CONSTRUCTION TYPE	OCCUPANCY TYPE	AREA (SF)	CERTIFIED
BLDG. A - CLASSROOMS	23521, 02-106411	VB, NOT SPRINKLERED	E	6,320	Y
BLDG. B - CLASSROOMS	23521, 02-106411	VB, NOT SPRINKLERED	E	6,320	Y
BLDG. C - CLASSROOMS	23521, 02-106411	VB, NOT SPRINKLERED	E	6,320	Y
BLDG. D - ADMINISTRATION/ MULTI-PURPOSE/CLASSROOMS	25287, 02-106411, 02-112790	VB, NOT SPRINKLERED	B/A-2/E	10,575	Y
BLDG. E - KINDERGARTEN	23521	VB, NOT SPRINKLERED	E	1,425	Y
BLDG. F - RELOCATABLE	46992	VB, NOT SPRINKLERED	E	960	Y
BLDG. G1 - RELOCATABLE	48768	VB, NOT SPRINKLERED	E	960	Y
BLDG. G2 - RELOCATABLE	48768	VB, NOT SPRINKLERED	E	960	Y

SITE LEG	END	
	PROPERTY LINE	
	ACCESSIBLE PATH OF TRAVEL - SE	E NOTES THIS SHEET
Expansion	n Joint (20'-0" Max. Spacing U.O.N.) - Shown Darker	
	(N) CONCRETE WALK CONSTRUCTI	ON
	NOTE: FOLLOW JOINT PATTERN AS SHOW	/N ON SITE PLAN
Control .	loint (10'-0" Max. Spacing U.O.N.) - Shown Lighter	
4' Heig	(N) ORNAMENTAL METAL FENCE	SEE CIVIL O CLEAN OUT
-0000	(E) ORNAMENTAL METAL FENCE TO REMAIN	AREA DRAIN
X X	(N) CHAIN LINK FENCE	MAN HOLE COVER
Heiq	ght	
x x x	(E) CHAIN LINK FENCE TO REMAIN	
	(N) CHAIN LINK FENCE FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCE FRAME	ELECTRICAL STRUCTURE - SEE ELECTRICAL POLE MOUNTED FIXT.
	CMU WALL	TOP MOUNTED
,Q,	(E) FIRE HYDRANT	POLE MOUNTED FIXT. TWIN HEAD
● <sup>1</sup>	POST INDICATOR & VALVE (PIV)	●□ POLE MOUNTED FIXT. SINGLE HEAD
	BACKFLOW PREVENTER	
	METER AND BACKFLOW	
	TRUNCATED DOMES	SWITCHBOARD
NEW	BUILDING	
EXIS	TING AREA OF BUILDING TO BE MODE	RNIZED
EXIS	TING TOILET ROOM TO BE MODERNIZI	ED
EXIS	TING TOILET ROOM - NO WORK	
NEW	CONCRETE WALKWAY	
<u>[x'''''''''''''''''</u> (N) A	SPHALTIC CONCRETE PAVING	
EXIS	TING WALKWAY TO REMAIN	

# SHEET NOTES

D.A. PATH OF TRAVEL SN.01 D.A. PATH OF TRAVEL FROM PUBLIC RIGHT OF WAY SN.02 D.A. STUDENT TOILET ROOMS CONSTRUCTED UNDER DSA IDENTIFICATION NO. 02-111648 SN.03 D.A. STAFF TOILET ROOMS CONSTRUCTED UNDER DSA IDENTIFICATION NO. 02-111648 SN.04 NEW TOW-AWAY SIGN - SEE CIVIL SN.05 NEW 20' CLEAR EMERGENCY VEHICLE ACCESS GATES SN.06 D.A. STUDENT TOILET ROOMS TO BE CONSTRUCTED BY THIS CONTRACT, DSA IDENTIFICATION SN.07 NO. 02-120455

# **KEYNOTES**

NORTH

**3200 SITEWORK** 3200.A4 (E) FIRE HYDRANT

### PATH OF TRAVEL: ----

Path of travel (P.O.T.) as indicated is a barrier free access without any abrupt vertical changes exceeding  $\frac{1}{2}$ " at 1:2 Maximum slope, except that level changes do not exceed ¼" vertical(11B-303 & 11B-403.4). P.O.T. is a minimum of 48" wide (11B-403.5.1Ex3) slip resistant surface with 5% max. slope and 1:48 max. cross slope(11B-403.3). Passing spaces(11B-403.5.3) of 60"x60" min. are located not more than 200' apart. Walks with continuous gradients have 60" in length of level areas (11B-403.7) not more than 400' apart. P.O.T. shall be maintained free of overhanging obstructions to 80" min(11B-307.4) and protruding objects(11B-307) greater than 4" projection from wall above 27" and less than 80". There is no drop-off over 4" at the edge of walk or landing unless identified by a guard, a handrail, or a warning curb at least 6" in height above the walk(11B-303.5).

### Design Professional in General Responsible Charge Statement

The POT identified in the construction documents is compliant with current applicable California Building Code accessibility provisions **for** path of travel requirements for alterations and structural repairs. As part of the design of this project, the POT was examined and any elements, components or portion of the POT that were determined to be noncompliant 1) have been identified and 2) the corrective work necessary to bring them into compliance has been included within the scope of thus project's work through details, drawings and specification incorporated into these construction documents. Any noncompliant elements, components or portion of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are so indicated in these construction documents.

During construction, if POT items within the scope of the project represented as code compliant are found to be nonconforming beyond reasonable construction tolerances, they shall be brought into compliance with the CBC as a part of this project by means of a "Construction Change Document" (form DSA 140).





# GENERAL NOTES

1. SAFETY: CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE PREMISES ON WHICH THE WORK IS PERFORMER AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY ON THE SITE BOTH DURING AND OUTSIDE OF NORMAL WORKING HOURS, UNTIL SUCH WORK IS ACCEPTED BY THE OWNER.

SITE LEG	END				
	PROPERTY LINE				
	ACCESSIBLE PATH OF TRAVEL - SE	EE NOTES THIS SHEET			
Expansio	n Joint (20'-0" Max. Spacing U.O.N.) - Shown Darker				
	(N) CONCRETE WALK CONSTRUCT	ION			
	NOTE: FOLLOW JOINT PATTERN AS SHOW	VN ON SITE PLAN			
Control	Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter				
	(N) ORNAMENTAL METAL FENCE	DRAINAGE STRUCTURE - SEE CIVIL O CLEAN OUT			
-000	(E) ORNAMENTAL METAL FENCE TO REMAIN	AREA DRAIN			
x x	(N) CHAIN LINK FENCE	MAN HOLE COVER			
Hei	ght	DROP INLET			
x x x	(E) CHAIN LINK FENCE TO REMAIN				
T Heigh	(N) CHAIN LINK FENCE FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCE FRAME	ELECTRICAL STRUCTURE - SEE ELECTRICAL			
,Q,	(E) FIRE HYDRANT	POLE MOUNTED FIXT. TWIN HEAD			
●·	POST INDICATOR & VALVE (PIV)	●□ POLE MOUNTED FIXT. SINGLE HEAD			
	BACKFLOW PREVENTER				
	METER AND BACKFLOW				
	TRUNCATED DOMES	Image: Strategy of the strategy			
NEW	BUILDING				
EXIS	EXISTING AREA OF BUILDING TO BE MODERNIZED				
EXIS	EXISTING TOILET ROOM TO BE MODERNIZED				
EXIS	EXISTING TOILET ROOM - NO WORK				
NEW	CONCRETE WALKWAY				
(N) A	SPHALTIC CONCRETE PAVING				
EXIS	TING WALKWAY TO REMAIN				

### 

SHEE	LINOIES
SN.01	(N) PARKING LOT, WALKWAYS AND LANDSCAPING - SEE CIVIL AND LANDSCAPE DRAWINGS
SN.02	(N) TRASH ENCLOSURE - SEE CIVIL AND STRUCTURAL DRAWINGS
SN.03	(N) TETHERDALL COURTS SEE ENLARGED PLAN AND CIVIL SHEETS.
SN.04	(N) ENTRY AREA, GATE, FENCING, BENCHES & PLANTERS - SEE CIVIL, LANDSCAPE, ELECTRICAL & ENLARGED PLAN
SN.05	(N) CONCRETE STAIR, WALKWAYS & BUS TURNOUT - SEE CIVIL DRAWINGS
SN.00	(N) 7 TALE SLATTED CHAIN LINK FENCE W/ 1 3/4" SQUARE X 3 GA. MESH FADRIC W/
	INSIDE OF (E) CHAIN LINK FENCE. SEE DETAIL 40/A43-2.
SN.07	SEE CIVIL FOR EXTENT OF DEMOLITION OF (E) ORNAMENTAL IRON FENCING. CONTRACTOR IS REQUIRED TO SALVAGE AND PROTECT (E) ORNAMENTAL IRON FENCE PANELS, GATES AND POSTS (IF SALVAGEABLE) AND STORE FOR REUSE. INSTALL (E) SALVAGED AND (N) ORNAMENTAL IRON FENCE COMPONENTS IN (N) LOCATION AND CONFIGURATION AS INDICATED HERE AND ON CIVIL DRAWINGS. (E) ORNAMENTAL IRON FENCING COMPONENTS THAT MAY BE SALVAGED INCLUDE APPROXIMATELY 27-WHOLE PANELS, 3-PARTIAL PANELS, 2-MAN GATE ASSEMBLIES, 1-PAIR VEHICLE GATES AND 27-LINE POSTS. THESE QUANTITIES ARE ONLY APPROXIMATE AND THE CONTRACTOR IS REQUIRED TO FIELD VERIFY EXACT QUANTITIES, CONDITIONS AND SALVAGEABLE OF THE (E) ORNAMENTAL IRON FENCE COMPONENTS.
SN.08	(N) QUAD AREA CONCRETE WALKWAYS, PLANTERS, BENCHES SEE CIVIL AND-
-SN.09	(E) CHAIN LINK FENCE FABRIC TO BE REMOVED, POSTS TO BE INCREASED IN HEIGHT TO 71, RAILS TO BE ADJUSTED FOR (N) FENCE HEIGHT AND (N) NO CLIMB FENCE EXPLICITE DE INSTALLED ONTO (C) MORIFIES FENCE FRAME
	TABLIC TO BE INSTALLED ONTO (L) MOBILED FENCE HAMME.
SN.10	(E) CHAINLUNK CATES TO BE REMOVED AND REPLACED WITH SAME SIZE AS (E) CATES
	ON (N) GATE FRAME.
SN.11	PROVIDE (N) FENCE POSTS AND (N) NO CLIMB FENCE FABRIC WHERE FENCE LINE AND CONFIGURATION HAVE BEEN MODIFIED TO ACCOMMODATE (E) OR (N) GRADE MOUNTED UTILITY EQUIPMENT THIS LOCATION.
SN.12	REPLACE (E) PARKING LOT ENTRANCE SIGN W/ (N) PARKING LOT ENTRANCE SIGN - SEE CIVIL
<del>SN.13</del>	(E) CHAIN LINK FENCE FADRIC AND GATES AT (E) HVAC EQUIPMENT HARD OR CTORAGE YARD TO BE REMOVED AND STORED AND PROTECTED. CATE AND FENCE POSTS TO REMAIN AND PROTECTED AGAINST DAMAGE DURING DEMOLITION AND CONCRETE POUR. FOLLOWING INSTALLATION OF (N) CONCRETE WALKWAYS, ADJUST FENCE FRAME TO ACCOMMODATE (N) TOP OF WALKWAY ELEVATION AND REINSTALL THE (E) GATE AND FENCE FABRIC O/ (E) POSTS.
511.14	TLASTIC SHEET AND PROTECT AGAINST CONCRETE SPLATTERS, DUST AND OTHER DAMAGE DURING CONCRETE WALKWAY DEMOLITION AND NEW CONSTRUCTION OPERATIONS. SEE CIVIL FOR EXTENT OF WALKWAY DEMOLITION AND REPLACEMENT.
<del>SN.15</del>	DISCONNECT (E) DUCT SUPPORTS FROM CONCRETE WALKWAY AND DUCTS AS REQUIRED. TEMPORARILY SUPPORT DUCTS AS REQUIRED TO ALLOW FOR REMOVAL OF (E) CONCRETE WALKWAY AND INSTALLATION AND FINISHING OF (N) CONCRETE WALKWAY. ADJUST (E) DUCT SUPPORTS AS REQUIRED FOR (N) TOP OF WALKWAY ELEVATION AND FASTEN TO CONCRETE WALKWAY USING FASTENER TYPES TO MATCH (E).
<del>SN.16</del>	(E) DRINKING FOUNTAIN TO BE REMOVED STORED AND PROTECTED DURING WALKWAY DEMOLITION AND (N) CONSTRUCTION. PROTECT (E) PLUMBING WASTE & SUPPLY LINES DURING CONSTRUCTION. FOLLOWING INSTALLATION OF (N) WALKWAY, ADJUST/EXTEND/MODIFY (E) PLUMBING LINES AND REINSTALL DRINKING FOUNTAIN PER MANUFACTURER'S RECOMMENDATIONS.
<del>CN.17</del>	(E) ACCESSIBLE DOTTLE FILLER TO BE REMOVED STORED AND PROTECTED DURING WALKWAY DEMOLITION AND (N) CONSTRUCTION. PROTECT (E) PLUMDING WASTE & SUPPLY LINES DURING CONSTRUCTION. FOLLOWING INSTALLATION OF (N) WALKWAY, ADJUST/EXTEND/MODIFY (E) PLUMDING LINES AND REINSTALL DOTTLE TILLER PER MANUFACTURER'S RECOMMENDATIONS.
<u>SN.19</u>	REMOVE TWO (E) DRINKING FOUNTAINS THIS LOCATION AND INSTALL (N) CHILD- HEIGHT ACCESSIBLE, HI LOW STYLE DRINKING FOUNTAIN, MODIFY PLUMBING SUPPLY AND WASTE LINES AS REQUIRED SEE PLUMBING AND DETAIL 7/A0.2
<del>3N.13</del>	THIS (E) DRINKING FOUNTAIN IS ADULT HEIGHT ACCESSIBLE WITH BUBBLER HEIGHT AT +36" ADOVE CONCRETE WALK.
SN.20	(E) DRINKING FOUNTAIN TO BE REMOVED. CAP PLUMBING BELOW GRADE.
<del>5N.21</del>	FOLLOWING REINSTALLATION OF (E) D.F. INSTALL NEW CANE RAILS PER DETAIL 6/A0.2
SN.22	(N) O' LONG METAL DENCH, TYPICAL OF 24 SEE DETAIL 9/A1.3.1 FOR MOUNTING
	DETAIL









N.T.S.







GATE POST SCHEDULE					
GATE WIDTH	NOMINAL SIZE OF PIPE INCHES	ACTUAL O.D. INCHES	WEIGHT PER FOOT POUNDS		
ES 6 FEET OR LESS AND ATES 12 FEET OR LESS	2 1/2	2.875	5.79		
NG GATES OVER 6 FEET ET AND DOUBLE DATES FEET THRU 26 FEET	3 1/2	4.0	9.11		
WING GATES OVER 13 J 18 FEET AND DOUBLE R 26 FEET THRU 36 FEET	4	4.5	10.79		
ES 6 FEET OR LESS AND ATES 12 FEET OR LESS	2 1/2	2.875	5.79		
NG GATES OVER 6 FEET ET AND DOUBLE DATES FEET THRU 26 FEET	4	4.5	10.79		
WING GATES OVER 13 J 18 FEET AND DOUBLE R 26 FEET THRU 36 FEET	5	5.563	14.62		

FENCE
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NOTES

![](_page_7_Figure_0.jpeg)

GEI	NERAL NOTES		
1. TH VA	E EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF RIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN		
PL/ NA	ACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN TURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE	IDENTIF	FICATION STAMP
MA	INTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY RKER BOARDS, TACKBOARDS, CASEWORK, PROJECTION SCREENS, FIRE EXTINGUISHER, NDOW COVERINGS & TRACKS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER	APP: 02-1	20455 INC:
SP	ECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. ME ITEMS WILL BE REQUIRED TO BE REMOVED AND TEMPORARILY STORED AND	REV	
PF	OTECTED FOR LATER INSTALLATION.	DATE:	01/12/2023
2. NO CO	ALL OF THE EXISTING INTRUSION ALARM AND DATA NETWORKING/DISTRIBUTION MPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND		
SH NE	ALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES CESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH		
OV 3 W⊢	INER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.		0
CE OT	ILINGS AND/OR WALLS, FLOORS OR CEILINGS ARE REMOVED TO ALLOW ACCESS TO UTILITIES OR HER ITIMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE		40
			uite
	NOT ALL NOTES MAY BE USED		582 112
DN.01	THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS, SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS		ue, _2,9,
DN.02	REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION		en CA 921
DN.03	REMOVE (E) CASEWORK AND SHELVING		to,
DN.05	REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION		ye O
DN.06 DN.07	REMOVE (E) LIGHTFIXTURES AT CEILING OR WALLS THROUGHOUT - SEE ELECTRICAL REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO PERFORM NEW WORK OR		Ho an Je:
DN.08	PROTECT IN PLACE REMOVE (E) SOAP & FAPER TOWEL DISPENSER. STORE AND PROTECT FOR FUTURE REINSTALLATION		30 act hoi
DN.09	DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE MAY NEED TO MOVE LATERALLY AND/OR UP-DOWN TO ALLOW FOR PROPER DISABLED ACCESSIBLE CLEARANCES PER SHEET A0 1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS		N O L
	REQUIRED TO MODIFY (A) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WAS FE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.		
DN.9.1	REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.		+= 1 + + = 1
DN.10	PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH		
DN.11 DN.12	REMOVE (E) TOILET ROOM ACCESSORIES. STORE & PROTECT FOR FUTURE REINSTALLATION		
DN.13	REMOVE (E) TOILET PARTITION, MOUNTING HARDWARE AND ANY EXPOSED BLOCKING. PATCH BACK EXISTING SURFACE TO MATCH.		ASH ASE
DN.14 DN.15	REMOVE (E) LAVATORY - SEE PLUMBING REMOVE (E) TOILET - SEE PLUMBING		
DN.16	REMOVE (E) URINAL - SEE PLUMBING	NSE	D ARCA
DN.18	REMOVE (E) WATER HEATER	PHEN	The feature
DN.19	REMOVE (E) SINK, FAUCET, COUNTERTOP, LEDGERS & BASE CABINET - SEE PLUMBING. PREP WALL FOR NEW FINISHES	+ 55 C-	22525
DN.20	REMOVE (E) TILE, MASONITE OR FRP WANSCOTING. PREP WALL FOR (N) FINISHESDN.21REMOVE (E) MOP HOLDER		
DN.22	WHERE PARTITION WILL NOT BE REPLACED.		ZST/ZS ENEWAL DATE
DN.24	REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES.	OF	CAL
DN.25	REMOVE (E) CARPET, SHEET VINYL, VINYL TILL FLOORING, SELF-COVING BASE OR RUBBER BASE. PREP FLOOR FOR NEW FINISH.		
DN.20	REMOVE (E) WALL MOUNTED JANITORIAL DILUTION CONTROL UNIT. STORE AND PROTECT FOR REINSTALLATION.		
DILLI	CONDUIT AND CONDUCTOR - SEE ELECTRICAL OF MECHANICAL FOR MORE SPECIFIC MODIFICATIONS OR RELOCATION. PREP SURFACES FOR NEW FINISH.	O	
DN.28	REMOVE (E) SURFACE MOUNTED INTRUSION ALARE, DATA NETWORKING OR OTHER DEVICE AND RELOCATE - SEE ELECTRICAL	N N	$\mathbf{C}$
DN.29	REMOVE (E) REFORMAIR REGISTER AND EXTEND (E) DUCT TO NEW PARTITION WALL FACE AND REINSTALL RETURN AIR REGISTER - SEE MECHANICAL REMOVE/RELOCATE (E) FIRE ALARM CONDUIT CABLE AND COMPONENTS PER ELECTRICAL PREP SURFACES		Þ₀
DN.31	FOR NEW FINISH. REMOVE(E) GLAZING, GLAZING TRIM, WALL PANEL & WAIL PANEL TRIM AS REQUIRED FOR INSTALLATION OF	Υ Υ	U U U
DN.32	(N) DOOR THIS LOCATION. PREP SURFACES FOR NEW FINISH REMOVE (E) WAINSCOTING OR OTHER WALL FINISHES AND PREP WALL SURFACE AS REQUIRED FOR	H J H	ΞŽ
DN.33	REMOVE (E) CONCRETE SLAB AS REQUIRED TO MODIFY OR INSTALL WASTE LINES-PATCH BACK W/ (N) CONCRETE	N N N	∞ <u> </u>
DN.34	REMOVE (E) CARPET & WALL BASE THROUGHOUT. SEE HAZARDOUS MATERIALS DOCUMENTATION FOR REMOVAL OF (E) VAT BELOW CARPET.		Z
SHE	<u>EET NOTES</u>	A A	
(NOTE: I SNI 01	NOT ALL NOTES MAY BE USED)		<u> </u>
SN 02	PROTECTED		NOL NS
SN.02	(E) CASEWORK TO REMAIN IN PLACE & PROTECTED	UB MB	ΣĄ
SN.04	(E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED		Ш
SN.05	(E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS	ΣШ	
SN.06	(E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL	CONSULTANT	
SN.07	FINISH. (E) CARPET TO BE REPLACED WITH (N) LVP FLOORING. OTHER FINISHES TO BE		
SN.08	PROTECTED DURING CONSTRUCTION OPERATIONS (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED		
SN.09	(E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR FULL DING COMPONENTS		
	TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.		
SN.10	(E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH.		
SN.11	INFILL FRAME (E) DOOR OPENING, PROVIDE THERMAL INSULATION AND PROVIDE GYPSUM WALLBOARD FINISH AT INTERIOR TO MATCH SEE ELEVATION AND DETAILS.		
SN.12	(E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED		
SN.13	(E) ACCESS PANELS, HVAC DUCTS AND REGISTERS TO REMAIN IN PLACE AND PROTECTED - PAINT TO MATCH (N) PAINT AT CEILING.	21-32-052	
SN.14	REINST/LL (E) TOILET ACCESSORIES OR JANITOR EQUIPMENT SALVAGED DURING DEMOLITION OPERATIONS	DATE 3/28/2022	
SN.15	NO NEW WORK THIS SPACE	DRAWN	
SN.16 SN 17	DISAFLED ACCESSIBLE (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE, SNAP	CHECKED	
on n	CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PROP TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP AND	JCBS	
CNI 40	PAINTED ALONG WITH NEW WALL FINISH.	SCALE AS SHOWN	
SIN. 10	THE BUILDING EXTERIOR SIDE.	CADFILE	
SN.19	BACK ANY DAMAGED VINYL WALLS, HVAC REGISTERS AND CEILING SURFACES. PAIL H BACK ANY DAMAGED VINYL WALLCOVERING WITH (N) TO MATCH OR CEILING OR WALL SURFACES DAMAGED DUE TO ITEMS REMOVED DURING DEMOLITION TO MATCH (E) PRIOR	UPDATED	
SN.20	TO INSTALLATION OF (N) PAINTING OR FINISHES. PREP AND PAINT (E) EXPOSED BEAMS AND WOOD TRIM AT HEAD OF WALL	11/17/2022	
SN.2	COORDINATE INSTALLATION OF (N) TOILET OR URINAL PARTITION. PROVIDE ALL NECESSARY BLOCKING IN WALLS AND CEILINGS FOR CONNECTION POINTS REPLACE AND	SHELI NU.	
SN 22	REPAIR WALL AND CEILING FINISHES TO MATCH SURROUNDING FINISHES.	Δ2	1 Δ
SN.23	(N) 2X6 WOOD STUD PARTITION WITH WATER RESISTANT GYPSUM WALLBOARD EA. SIDE.		
CNI 04	SPECIFICATION.		
ON 25	WAINSCOTING AROUND ACCESS PANEL.		
SN.25 SN.26	REMOVE (E) CEILING TILES THAT ARE COMING LOOSE AND REINSTALL WITH NEW		

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HENRY+ Associates Architects

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![](_page_8_Figure_0.jpeg)

### GENERAL NOTES

THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION C VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. TH CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTION SCREENS, FIRE EXTINGUISHERS, VINDOW COVERINGS & TRACKS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER PECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHE SOME ITEMS WILL BE REQUIRED TO BE REMOVED AND TEMPORARILY STORED AND PROTECTED FOR LATER INSTALLATION. NOT ALL OF THE EXISTING INTRUSION ALARM AND DATA NETWORKING/DISTRIBUTIO COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECE SARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERILY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING. 3. WHERE ALUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS AND/OR WALLS, FLOORS OR CEILINGS ARE REMOVED TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS, THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH. DEMOLITION NOTES NOTE: NOT ALL OTES MAY BE USED DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY NTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION DN.03 REMOVE (E) CASEWORK AND SHELVING DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS DN.05 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE EINSTALLATION DN.06 REMOVE (E) LIGHT FIXTURES AT CEILING OR WALLS THROUGHOUT - SEE ELECTE DN.07 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO PERFORM NEW WORK OR PROTECT IN PLACE DN.08 REMOVE (E) SOAP & PAPER TOWEL DISPENSER. STORE AND PROTECT FOR FUTURE REINSTALLATION DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD THIS PLUMBING FIXTURE MAY NEED TO MOVE LATERA LLY AND/OR UP-DOWN TO ALLOW FOR PROPER DISABLED ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY DN.09 DIMENSIONS PROVIDE LINES OR VENT PIPES ET PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.. DN.9.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMEING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES. DN.10 PREP (E) FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH DN.11 REMOVE (E) TOILET ROOM ACCESSORY DN.12 REMOVE (E) TOILET ROOM ACCESSORIES. STORE & PROTECT FOR FUL URE REINSTALLATION DN.13 REMOVE (E) TOILET PARTITION, MOUNTING HARDWARE AND ANY EXPOSED BLOCKING. PATCH BACK EXISTING SURFACE TO MATCH. DN.14 REMOVE (E) LAVATORY - SEE PLUMBING DN.15 REMOVE (E) TOILET - SEE PLUMBIN DN.16 REMOVE (E) URINAL - SEE PLUMBIN DN.17 REMOVE (E) MOP SINK - SEE PLUMBIN DN.18 REMOVE (E) WATER HEATER DN.19 REMOVE (E) SINK, FAUCET, COUNTERTOP, LEDGERS & BASE CABINET - SEE PLUMBING. PREP WALL FOR NEW FINISHES DN.20 REMOVE (E) TILE, MASONITE OR FRP WANSCOTING. PREP WALL FOR (N) FINISHESDN.21REMOVE (E) MOP HOLDER DN.22 REMOVE (E) PARTITION. PATCH (E) FINISHES (FLOOR, WALLS & CEILING) TO MATCH SURROUNDING FINISHES WHERE PARTITION WILL NOT BE REPLACED DN.23 REMOVE (E) DOOR AND HARDWARE. HOLLOV METAL FRAME TO REMAIN. INFILL DOOR OPENING PER DETAILS. DN.24 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES. DN.25 REMOVE (E) CARPET, SHEET VINYL, VINYL TILE FLOORING, SELF-COVING BASE OR RUBBER BASE. PREP FLOOR FOR NEW FINISH. DN.26 REMOVE (E) WALL MOUNTED JANITORIAL DILUTION CONTROL UNIT. STORE AND PROTECT FOR REINSTALLATION. DN.27 REMOVE (E) SURFACE MOUNTED THERMOSTAT, ELECTRICAL OUTLET, SIGNAL OUTLET AND ANY ASSOCIATED CONDUIT AND CONDUCTOR - SEE ELECTRICAL OR VECHANICAL FOR MORE SPECIFIC MODIFICATIONS OR RELOCATION. PREP SURFACES FOR NEW FINISH. DN.28 REMOVE (E) SURFACE MOUNTED INTRUSION ALAR DATA NETWORKING OR OTHER DEVICE AND RELOCATE -SEE ELECTRICAL DN.29 REMOVE (E) RETURN AIR REGISTER AND EXTEND (E) NUCT TO NEW PARTITION WALL FACE AND REINSTALL RETURN AIR REGISTER - SEE MECHANICAL DN.30 REMOVE/RELOCATE (E) FIRE ALARM CONDUIT, CABLE AND COMPONENTS PER ELECTRICAL. PREP SURFACES FOR NEW FINISH DN.31 REMOVE(E) GLAZING, GLAZING TRIM, WALL P/NEL & WAL, PANEL TRIM AS REQUIRED FOR INSTALLATION OF (N) DOOR THIS LOCATION. PREP SURFACES FOR NEW FINISH DN.32 REMOVE (E) WAINSCOTING OR OTHER WALL FINISHES AND PREP WALL SURFACE AS REQUIRED FOR INSTALLATION OF (N) WALL FINISH DN.33 REMOVE (E) CONCRETE SLAB AS REQUIRED TO MODIFY OR INSTALL WASTE LINES-PATCH BACK W/ (N) CONCRETE DN.34 REMOVE (E) CARPET & WALL BASE THROUGHOUT. SEE HAZARDOUS MATERIALS DOCUMENTATION FOR REMOVAL OF (E) VAT BELOW CARPET. SHEET NOTES (NOTE: NOT ALL NOTES MAY BE USED) SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL (E) CARPET TO BE REPLACED WITH (N) LVP FLOORING. OTHER MINISHES TO BE PROTECTED DURING CONSTRUCTION OPERATIONS SN.07 SN.08 (E) CLOCK/SPEAKER TO REMAIN IN PLACE AND PROTECTED SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED. SN.10 (E) PROJECTOR & PROJECTION SCREEN TO REMAIN IN PLACE AND PROTECTED. PAINT ANY MOUNTING BOARDS TO MATCH WALL FINISH. SN.11 INFILL FRAME (E) DOOR OPENING, PROVIDE THERMAL INSULATION AND PROVIDE GYPSUM WALLBOARD INISH AT INTERIOR TO MATCH. - SEE ELEVATION AND DETAILS. SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED SN.13 (E) ACCESS PANELS, HVAC DUCTS AND REGISTERS TO REMAIN IN PLACE AND PROTECTED - PAINT TO MATCH (N) PAINT AT CEILING. SN.14 REINSTALL (E) TOILET ACCESSORIES OR JANITOR EQUIPMENT SALVAGED LURING DEMOLIT ON OPERATIONS SN.15 NO NEW WORK THIS SPACE SN.16 DISABLED ACCESSIBLE (E) EXPOSED WIRING, CABLING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH. SN.17 PRIP AND PAINT EXISTING WINDOW FRAMES , DOOR FRAMES AND DOOR. DO NOT PAINT THE BUILDING EXTERIOR SIDE. SN.18 PIREP AND PAINT EXISTING WALLS, HVAC REGISTERS AND CEILING SURFACES. PATCH BACK ANY DAMAGED VINYL WALLCOVERING WITH (N) TO MATCH OR CEILING OR WALL SURFACES DAMAGED DUE TO ITEMS REMOVED DURING DEMOLITION TO MATCH (E) PRIOR TO INSTALLATION OF (N) PAINTING OR FINISHES. SN.19 PREP AND PAINT (E) EXPOSED BEAMS AND WOOD TRIM AT HEAD OF WALL SN.20 COORDINATE INSTALLATION OF (N) TOILET OR URINAL PARTITION. PROVIDE ALL NECESSARY BLOCKING IN WALLS AND CEILINGS FOR CONNECTION POINTS. REPLACE AND REPAIR WALL AND CEILING FINISHES TO MATCH SURROUNDING FINISHES. SN.21 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK. SN. (N) 2X6 WOOD STUD PARTITION WITH WATER RESISTANT GYPSUM WALLBOARD EA. SIDE. FINISH TO MATCH EXISTING WALL FINISHES. PROVIDE ACOUSTICAL INSULATION PER SPECIFICATION. (E) ACCESS PANELS TO REMAIN. PROTECT AND PAINT TO MATCH WALLS. CUT (N) FRP WAINSCOTING AROUND ACCESS PANEL. SN.24 N.25 PREP AND PAINT (E) WOOD SHELVING SN.26 REMOVE (E) CEILING TILES THAT ARE COMING LOOSE AND REINSTALL WITH NEW ADHESIVE PRIOR TO PAINTING.

IDENTIFIC DIV. OF THE APP: 02-12 REVI SS I F DATE:	CATION STAMP STATE ARCHITECT 20455 INC: EWED FOR LS I ACS I 01/12/2023
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				<u></u> O	OR				·		FRAME				<u>}</u>
	BUILDING, ROOM NAME & ROOM NUMBER BLDG, A	DOOR MARK	DOOR SIZE WIDTH X HEIGHT	ТҮРЕ	MATERIAL	FINISH	GLAZING	FIRE RATING	HARDWARE Set	ТҮРЕ	MATERIAL	FINISH	HEAD	JAMB	SIL
	CLASSROOM A101	A101 A102	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	B	WD WD	P P	-	-	2	B	HM	P P	-		8
	CLASSROOM A103	A103	(E) PR 3'-0"X7'-0"	R	WD	P	-		1		HM	P		_	
	CLASSROOM A103 CLASSROOM A103	A103.1 A103.2	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	C	WD	P	-	-	1	A	HM	P	-	-	-
	CLASSROOM A103	A103.3 A103.4	(E) 3'-0"X7'-0" (E) 3'-0"X7-0"	B	WD	P P	-	-	2	B	HM	P	-	-	8
	CLASSROOM A103	A103.5	(E) 3'-0''X7'-0''	C	WD	P	-	-	1	A	HM	P		-	
	CLASSROOM A103 CLASSROOM A104	A103.6 A104	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	B	WD WD	P	-	-	1	A	HM	P		-	8
	CLASSROOM A105 TEACHERS WORK RM A106	A105	(E) 3'-0"X7'-0"	B	WD	P P	-	-	2	B	HM	P	-	-	8
	GIRLS A107	A107	(N) 3'-0''X7'-0''		HIM	Р	-	-	3	A	HM	P	4/A3.1.1	4/43 1.1	
	BOYS A109	A108 A109	(E) 3'-0''X7'-0''	A	HM	P P	-	-	5	A A	HM	P P	- 4/A3.1.1	 4/A3.1.1	
	HALL A110 MECHANICAL A111	A110 A111	(E) PR. 3'-0"X7'-0" (E) 3'-0"X7'-0"	B	WD WD	P P	-	-	2	D A	HM HM	P P	-	-	8
	CLASSROCM B101	B101	(E) 3'-0"X7'-0"	В	WD	P	-	-	2	В	HM	Р	-	-	8
	CLASSROOM B102 CLASSROOM B103	B102	(E) 3'-0"X7'-0" (E) PR. 3'-0"X7'-0"	B	WD WD	P P	-	-	2	B A	HM HM	P P		-	8
	CLASSROOM B103	B103.1	(E) <b>3-0"X7'-0"</b> (E) 3'-0"X7'-0"	C C	WD	P	-	-	1	A	HM	P	-	-	
	CLASSROOM B103	B103.3	(E) 3'-0"X7'-0"	В	VVD	P	-	-	2	B	HM	P		-	8
	CLASSROOM B103	B103.4 B103.5	(E) 3'-0"X/'-0" (E) 3'-0"X7'-0"	C B	WD	P P	-	-	2	A	HM	P	-	-	8
	CLASSROOM B103 CLASSROOM B104	B103.6 B104	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	C B	WD WD	P P	-	-	1	А В	HM	P P	-	-	8
	CLASSROOM B105	B105	(E) 3'-0"X7'-0"	B	WD	P	-	-	2	B	HM	P	-	-	8
	GIRLS B107	B100 B107	(N) 3'-0''Y7'-0	A	HM	P	-	-	3	A	HM	P	- 4/A3.1.1	4/A3.1.1	
CONLY 4-DOOR	JAN. B108 BOYS B109	B108 B109	(⊏) 3'-0"X7'-0" (N) 3'-0''X7'-0''	A	WD HM	P P	-	-	5	A A	HM HM	P P	- 4/A3.1.1	- 4/A3.1.1	
OPENINGS ARE	HALL B110 MECHANICAL B111	B110 B111	(E) PR. 3'-0"X7'-0" (E) 3'-0"X7'-0"	B	WD WD	P P	-	-	2	D	HM	P	-	-	8
CAFFECTED BY   Comparison     Comparison   Comparison															
{ SCOPE OF WORK }	CLASSROOM C101	C101	(E) 3'-0"X7'-0"	В	WD	Р	-	-	2	В	HM	Р	-	-	8
{ DUE TO NEW }	CLASSROOM C102 CLASSROOM C103	C102	(E) 3'-0"X7'-0" (E) PR. 3'-0"X7'-0"	B	WD WD	P P	-	-	2	B A	HM HM	P P		-	8
BEING POURED	CLASSROOM C103	C103.1	(E) 3'-0"X7'-0"	C	WD	P	-	-	1	A	HM	P	-	-	
{ AGAINST THE }	CLASSROOM C103	C103.2	(E) 3'-0''X7'-0''	Ь	WD	P	-	-	2	B	HM	P	-	_	8
{ THRESHOLDS OF }	CLASSROOM C103.1 CLASSROOM C103.1	C103.4 C103.5	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	B C	WD WD	P		-	2	B A	HM	P P	-	-	8
	CLASSROOM C103.1 CLASSROOM C103.1	C103.6 C103.7	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	C C	WD WD	P P	-	-		A	HM HM	P P		-	—
	CLASSROOM C104	C104	(E) 3'-0"X7'-0"	B	WD	P		_	2	B	HM	P	_	_	8
	TEACHERS WORK RM. C106	C105 C106	(E) 3'-0"X7'-0"		WD	P	-	-	1	A	HM	P P	-	-	
	GIRLS C107 JAN. C108	C107 C108	(N) 3'-0"×7'-0" (E) 3'-0"X7'-0"	A	HM WD	P P	-	-	3	A A	HM HM	P P	4/A3.1.1	4/A3.1.1	
	BOYS C109 HALL C110	C109 C110	(N) 3'-0''X7'-0'' (E) PR_3'-0''X7'-0''	A		P	-	-	3	A	HM	P P	4/A3.1.1	4/A3.1.1	
	MECHANICAL C111	C111	(E) 3'-0"X7'-0"	A	WD	P	-	-	1	A	HM	P	-	-	
	BLDG. D														
		D101 D101.1	(E) 3'-0"X7'-0" (E) 3' 0"X7' 0"	В	WD	-	-	-	2		HM	- 00R	_	-	8
	OFFICE D102	D102	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	В	WD	-	-	-	2				-	-	8
	RECORDS D103	D103	(E) 3'-0"X7'-0"							NO WOF					
	TOILET D105	D104	(E) 3'-0''X7'-0''			1	<u>т</u>	1					1	1	
	HEALTH D106 HEALTH D106	D106.1	(E) 3-0"X/"-0" (E) 3'-0"X7'-0"	В		-	-	-	2			OOR	_	_	8
	TEACHERS WORK RM D107 CLASSROOM D108	D107 D108	(E) 3'-0'X7'-0" (E) 3'-0"X7'-0"	В	WD	P	-	-	2	NO WOF B	K THIS D HM	OOR P	-	-	8
	CLASSROOM D108 CLASSROOM D109	D108.1 D109	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	B	WD WD	P P		-	1	AB	HM HM	P P	-	-	8
K	CLASSROOM D109 CORRIDOR D110	D109.1 D110	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	AB	WD WD	-	-	-	1 2	A B	HM HM	P 	_		8
$\backslash$	BOYS D111 GIRLS D112	D111 D112	(E) 3'-0"X7'-0"			1							1	1	
$\backslash$		D113	(E) 3'-0"X7'-0"	В	WD	-	-	-	2				-	-	8
$\backslash$	MULTI-PURPOSE ROOM D114 MULTI-PURPOSE ROOM D114	D114.1	(E) 3'-0"X7'-0"	-	1.4.0					NO WOF				1	
$\backslash$	CLASSROOM D115 CLASSROOM D115	D115 D115.1	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	A	WD	P		-	2	A B	HIVI		-	-	
$\backslash$	CLASSROOM D116 CLASSROOM D116	D116 D116.1	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"	B A	WD WD	P	-	-	2	B A	HM HM	P P	-	-	8
$\backslash$	MECH D117 VESTIBULE D118	D117 D118	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"		-					NO WOF	R THIS DO	OOR OOR			_
	CENTRAL RECEIVING D119 WALK-IN REFRIGERATOR D120	D119 D120	(E) 3'-0"X7 -0" (E) 3'-0"X7'-0"									OOR OOR			
	WALK-IN REFRIGERATOR D120	DD1201	(E) 3'-0"X7'-0"							NO WOF		OOR			
	KITCHEN D122	D121 (E) 3'-0"X/'-0" D122 (E) 3'-0"X7'-0"				NO WOF									
	ELECTRICAL 0124	D123 D124	(E) 3'-0"X7'-0" (E) 3'-0"X7'-0"							NO WOF	KK THIS DO RK THIS DO	OOR			
		D125	(E) 3'-0"X7'-0"						IS DOOR	TO REC		V SIGNAG			
	CORRIDOR D127	D127	(E) PR. 3'-0"X7'-0"	B	WD	-	-	-	2	B	HM	-	-	-	8
		E101		R	НМ	P	Τ	_	6	R	НИ	P	5/43 1 1	6/43 1 1	
	EACHERS WORK RM. E102	E102	(N) 3'-0"X7'-0"	B	HM	P		-	0		HM		J/AJ.1.1	4/A3.1.1	8
	<b> </b> /IEGH E103	1⊏103	(1) 3-0 入(-0)					1 -	1 1	I A	I HIVI	1 P			-

### DOOR LEGEND

POUNDS MAXIMUM

AND 4" MAX. FOR WALL

SAFETY GLASS.

WD T S F E FG	WOOD TEMPERED SAFETY STAIN PAINT FACTORY FINISH EXISTING FIBER GLASS	HM SC PM AL TC SS	HOLLOW METAL SOLID CORE WOOD PREFINISHED METAL ALUMINUM TEMPERED SAFETY C STAINLESS STEEL	LEAI	NOTE: PER CBC SECTION 1010.1.11 ALL DOORS LEADING INTO ROOMS OR SPACES THAT HAVE AN OCCUPANT LOAD OF 5 OR MORE OCCUPANTS SHALL BE EQUIPPED WITH A DOOR LOCKSET TYPE THAT IS LOCKABLE FROM THE INSIDE. THE LOCKSET SHALL CONFORM TO THE SPECIFICATIONS AND REQUIREMENTS OF CBC SECTION 1010.1.9
DOOR NO	OTES ALL DOOR NOTES MAY B	E USED)			
<ol> <li>EXTERIO PENETRA</li> <li>PROVIDE</li> <li>PROVIDE</li> <li>PROVIDE</li> <li>PROVIDE</li> <li>CBC 11B- AND LAN (CBC 11B- CBC 11B- CBC 11B- THAT FRO TO MOVE SECOND CBC 11B- EXTERIO CBC 11B- 44" ABOV CBC 11B- HAND AN</li> </ol>	R DOORS SHALL BE WEATHER ATIONS SHALL BE CHALKED AN TACTILE EXIT SIGN PER DETA ROOM IDENTIFICATION SIGN F TOILET ROOM IDENTIFICATION TOILET ROOM DOOR SYMBOL 404.2.5: ALL THRESHOLDS SHA DING ON BOTH SIDES) FLOORI -303.2 & 11B-303.3) 404.2.8.1: DOOR CLOSERS AND OM AN OPEN POSITION OF 90 D THE DOOR TO A POSITION OF S 404.2.9 THE MAXIMUM FORCE I R DOORS IS 5 POUNDS. 404.2.7: HARDWARE (I.E.LEVER /E FLOOR. 309.4: OPERATION: OPERABLE ID SHALL NOT REQUIRE TIGHT	STRIPPED AN D SEALED. IL 3/A0.1 PER DETAIL 2/, N SIGN PER DE S PER DETAIL LL BE ½ INCH NG TRANSITIC DEGREES, THE 12 DEGREES FOR PUSHING C) SHALL BE CI PARTS SHALL GRASPING, PI	A0.1. ETAIL 2/A0.1 2/A0.1. HIGH MAX. (ABOVE FLOOR DNS PER DETAIL 8/A3.1.1 ERS SHALL BE ADJUSTED SO EMINIMUM TIME REQUIRED FROM THE LATCH IS 5 OR PULLING INTERIOR OR ENTERED BETWEEN 34" & BE OPERABLE WITH ONE NCHING OR TWISTING OF	13. 14. 15. 16. 17. 18. 19.	DOOR EQUIPPED WITH ELECTRONIC ACCESS CONTROL SYSTEM PROVIDE POWER FOR ELECTRIC MOTOR OPERATION. VERIFY SWITCH LOCATION. SEE ORNAMENTAL METAL FENCE DETAILS ON SHEET A1.2.1 REMOVE (E) THRESHOLD WHERE OCCURS PRIOR TO DEMO & INSTALLATION OF (N) CONCRETE WALKWAY. DO NOT REMOVE (E) CAST-IN-PLACE STEEL ANGLE @ THRESHOLD. REMOVE (E) DOOR, UNDERCUT DOOR, INSTALL DOOR BOTTOM, INSTALL (N) THRESHOLD FOLLOWING INSTALLATION OF (N) WALKWAY, REINSTALL DOOR AND ADJUST (N) DOOR BOTTOM TO (N) THRESHOLD (E) DOOR, FRAME & HARDWARE TO REMAIN EXCEPT AS NOTED OTHERWISE. PAINT INTERIOR FACE AND EDGES OF (E) DOOR AND FRAME PER INTERIOR ELEVATIONS AND FINISH SCHEDULE. PAINT OVER ALL EXISTING PAINTED SURFACES THAT ARE CURRENTLY PAINTED WITH INTERIOR PAINT. EXTERIOR FACE OF DOOR SHALL NOT BE PAINTED. (E) DOOR, FRAME & HARDWARE TO REMAIN EXCEPT AS NOTED OTHERWISE. PAINT BOTH SIDES OF DOOR & FRAME WITH PAINT COLOR AS INDICATED. (E) DOOR, HARDWARE & SIDE LIGHT GLAZING TO BE REMOVED. MODIFY FRAME AS DETAILED TO ACCEPT (N) METAL WALL PANEL. PAINT EXTERIOR SIDE OF EXISTING FRAME AND (N) METAL WALL PANEL TO MATCH (E) BUILDING PAINT

THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5

0. FLOOR DOOR STOPS TO BE LOCATED SO AS NOT TO CAUSE A TRIPPING HAZARD

EXIT DOORS TO BE EQUIPPED WITH PANIC HARDWARE

. UNDERCUT DOOR FOR <sup>1</sup>/<sub>2</sub>" MIN. CLEARANCE.

12. UNDERCUT DOOR 1" FOR VENTILATION

PROVIDE 1'-6" WIDE X 1'-0" HIGH LOUVER @ TOP OF DOOR

- EXISTING FRAME AND (N) METAL WALL PANEL TO MATCH (E) BUILDING PAINT COLORS. PAINT INTERIOR SIDE OF EXISTING FRAME AND (N) METAL WALL PANELS PER INTERIOR ELEVATIONS & FINISH SCHEDULE. 20. FIELD VERIFY (E) DOOR AND/OR FRAME SIZE PRIOR TO ORDERING AND FABRICATION ALL EXTERIOR DOOR GLAZING SHALL BE DOUBLE PANE INSULATING TEMPERED 21. REMOVE (E) DOOR & HARDWARE AND REPLACE WITH (N) DOOR & HARDWARE.
  - PAINT EXTERIOR SIDE OF EXISTING FRAME AND (N) DOOR TO MATCH (E) BUILDING PAINT COLORS. PAINT INTERIOR SIDE OF EXISTING FRAME AND (N) DOOR PER INTERIOR ELEVATIONS & FINISH SCHEDULE. 22. REMOVE (E) DOOR, FRAME & HARDWARE AND REPLACE WITH (N) DOOR, FRAME
  - & HARDWARE. PAINT (N) DOOR AND FRAME PER INTERIOR ELEVATIONS & FINISH SCHEDULE.

## DOOR TYPES

![](_page_9_Figure_7.jpeg)

![](_page_9_Figure_8.jpeg)

Β.

![](_page_9_Figure_9.jpeg)

#### STRUCTURAL STEEL NOTES:

#### 1. THE FABRICATION AND ERECTION OF ALL STEEL CONSTRUCTION SHALL CONFORM TO THE 2019 CBC AND THE AISC STEEL CONSTRUCTION MANUAL 16th EDITION.

- 2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING
- 2.1 PIPE ASTM A53, Fy = 35 KSI
- 2.2 ANGLES ASTM A36, Fy = 36 KSI 2.3 BARS AND PLATES ASTM A36, Fy = 36 KSI
- 2.4 RECTANGULAR HSS ASTM A500, GRADE B, Fy = 46 KSI
- 3. WELDING SHALL BE BY THE ELECTRIC ARC PROCESS (SHIELDED METAL ARC WELDING, FLUX CORE ARC WELDING, GAS METAL ARC WELDING) PER AWS STANDARDS AND BY CERTIFIED WELDERS. REFER TO "QUALIFICATION PROCEDURE" AWS D1.1.
- 4. ALL WELDED JOINTS AND ELECTRODES ARE TO BE "PREQUALIFIED." ALL WELDING ELECTRODES ARE TO BE E70XX UNO. FCAW FILLER METAL WIRE SHALL BE  $\frac{5}{64}$ " MAX DIAMETER AND SMAW FILLER METAL WIRE SHALL BE  $\frac{5}{32}$ " MAX DIAMETER.
- 5. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUM AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO MAINTAIN STABILITY OF THE STRUCTURE UNTIL THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETE.
- 6. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED BELOW GRADE SHALL HAVE 3" MINIMUM COVER. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED ABOVE GRADE AT CONCRETE EXPOSED TO WEATHER SHALL HAVE  $1\frac{1}{2}$ " MINIMUM COVER.
- 7. ALL STEEL BOLTS ARE TO HAVE STANDARD GAGE AND PITCH PER AISC. ALL STEEL-TO-STEEL BOLTED CONNECTIONS SHALL BE WITH A325-N BOLTS, UNO. ALL EMBEDDED ANCHOR BOLTS SHALL BE F1554 GRADE 36 UNO. HOLES AT STEEL-TO-STEEL CONNECTIONS ARE TO BE  $\frac{1}{16}$  OVERSIZE AND HOLES AT STEEL COLUMN BASE PLATES ARE TO BE  $\frac{1}{8}$ " OVERSIZE, UNO.
- 8. STRUCTURAL STEEL IS TO BE SHOP PRIMED WITH ONE COAT, EXCEPT THE BELOW NOTED LOCATIONS, WHERE PRIMER SHALL BE HELD 2" CLEAR:
- 8.1 STEEL SURFACES EMBEDDED IN CONCRETE
- 8.2 SURFACES TO BE FIELD WELDED 8.3 CONTACT SURFACES WITH HIGH STRENGTH BOLTED CONNECTIONS
- 9. ALL STRUCTURAL COLUMNS ARE TO BE SET UPON ANCHOR RODS WITH LEVELING NUTS ALLOWING APPROXIMATELY 1<sup>1</sup>/<sub>2</sub>" ± CLEARANCE. CLEARANCE SPACE UNDER COLUMNS AND BLOCK-OUTS IN CURBS FOR COLUMN PLACEMENT ARE TO BE FILLED WITH A NON-SHRINK, HIGH-STRENGTH, POURABLE GROUT.

#### POST INSTALLED ANCHOR NOTES:

- 1. ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.
- 2. ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS
- 3. ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.
- 4. ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17 OF THE 2019 CBC. ALL TESTING SHALL BE DONE BY A CERTIFIED TESTING LABORATORY AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR.
- 5. POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:
- 5.1 EXPANSION ANCHORS IN CONCRETE HILTI KB TZ2 PER ICC ESR 4266
- 5.2 EXPANSION ANCHORS IN FULLY GROUTED CMU HILTI KB TZ2 PER ICC ESR 4561
- 6. POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.
- 7. POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

#### CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS SEE ICC-ER ESR-4266 TABLE 1

EL ICC EN ESIX 4200 TABLE I			
ANCHOR DIAMETER	<u>3</u> 8"Ø	<u></u> 12"Ø	<sup>5</sup> 8"Ø
BIT DIAMETER	<u>3</u> 8"Ø	<u></u> 12"Ø	<sup>5</sup> 8"Ø
NOMINAL EMBEDMENT	2 <u>1</u> "	2 <u>1</u> "	4 <u>1</u> "
HOLE DEPTH	2 <u>3</u> "	2 <u>3</u> "	4 <u>3</u> "
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

CMU: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS SFE ICC-FR FSR-4561 TARI F 1

LICC-LIK LOK-4001 TABLE 1	
ANCHOR DIAMETER	

ANCHOR DIAMETER	<u></u> 38"Ø	<u>1</u> <sup>™</sup> Ø	<sup>5</sup> 8"Ø
BIT DIAMETER	<u></u> 38"Ø	<u>¹</u> "Ø	5₀"Ø
NOMINAL EMBEDMENT	2 <u>1</u> "	2 <u>1</u> "	4 <u>1</u> "
HOLE DEPTH	2 <u>3</u> "	2 <u>3</u> "	4 <u>3</u> "
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

#### STEEL REINFORCING NOTI

- 1. ALL CONCRETE REINFORCING AND BE DETAILED, FABRICAT PER THE LATEST EDITION OF
- 2. REINFORCEMENT SHALL BE D A-615, GRADE 60. ALL REINFO ASTM A-706, GRADE 60 (SEE
- 3. ALL BENDING OF REINFORCEN REINFORCEMENT SHALL NOT
- 4. REINFORCEMENT IN SLABS AN
- 5. LAP SPLICES OF CONCRETE RE

5.1	#3 BARS = 30"
5.2	#4 BARS = 40"
5.2	#5 BADS - 48"
5.5	#3  DANS = 40
5.4	#6 BARS = 60"

- 6. ALL ADJACENT REINFORCING MINIMUM OF 5'-0".
- 7. REINFORCING SHALL BE PLACE CLEAR COVERAGE, UNO:
- 7.1 POURED AGAINST EXCA 7.2 POURED AGAINST FORM
- 7.3 CONCRETE EXPOSED TO 7.4 SLABS ON GRADE - CENT
- 8. REINFORCING SHALL BE TIED I REINFORCING IS NOT PERMIT
- 9. WHERE REINFORCING IS NOT MINIMUM REINFORCEMENT.
- 10. WELDING OF REINFORCING IS THESE DRAWINGS OR WITH F SEOR.

#### CONCRETE MASONRY NOT

- 1. ALL CONCRETE MASONRY UN MINIMUM 28-DAY COMPRES END UNITS AS REQUIRED TO CLEARANCES AND PROPERLY BE SOLID GROUTED. UNITS TO CONFORMANCE WITH ASTM
- 2. GROUT SHALL HAVE A MINIM = 2000 PSI AND HAVE MINIM ONE POUND SIKA GROUT AID SHALL CONFORM WITH TMS 6
- 3. MORTAR SHALL BE TYPE S IN MINIMUM 28-DAY STRENGTH
- LAP ALL REINFORCEMENT 80 I OTHERWISE. WHERE LAPS OF LESS, INCREASE LAP LENGTH 3
- 5. ALL REINFORCEMENT TO BE GROUTING.
- 6. LOW-LIFT GROUTED CONSTRU 2104A.1.3.1.2.2. HIGH-LIFT G 2019 CBC 2104A.1.3.1.2.3. HI REQUIRES DSA APPROVAL AN DSA IR 21-2.
- 7. PROVIDE INVERTED BOND UN REQUIRED TO FACILITATE PLA
- 8. FOOTING DOWELS WITH STAN SPACING OF VERTICAL REINFO LAP W/ VERTICAL REINFORCE WITHIN 3" OF BOTTOM OF FC
- 9. PROVIDE 2-#5 CONT IN BOND AND AT ALL ROOF LEDGER LO
- 10. PROVIDE TEMPLATES AS REQU PROVIDE 1" MIN GROUT AROU
- 11. PROVIDE CONTROL JOINTS @
- 12. PROVIDE TEST AND INSPECTIC FOR LEVEL B QUALITY ASSURANCE.
  - NOTE:

EL REINFORCING NOTES:	<u>COI</u>	NCRETE NOTE	S:		
ALL CONCRETE REINFORCING SHALL CONFORM TO THE 2019 CBC AND BE DETAILED, FABRICATED, AND PLASED PER ACI 318-14, AND PER THE LATEST EDITION OF ACI 315.	1.	ALL CONCRETE C AND ACI 318-14.			
REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60. ALL REINFORCEMENT TO BE WELDED SHALL BE ASTM A-706, GRADE 60 (SEE NOTE 10 BELOW).	2.	ALL CONCRETE SHALL BE NOR PROPORTIONS OF CEMENT, C AND ADMIXTURES TO PRODU EACH CONCRETE MIX TYPE PE			
ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.	3.	STRUCTURAL CONCRETE SHAL PROPERTIES. REFER TO PROJEC			
REINFORCEMENT IN SLABS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.		REQUIREMENTS.	FOR USE AT		
LAP SPLICES OF CONCRETE REINFORCEMENT 5.1 #3 BARS = 30" 5.2 #4 PARS = 40"			CONCRETE C 28-DAY STRI MAX AGGRE		
5.2 #4 BARS = 40 5.3 #5 BARS = 48" 5.4 #6 BARS = 60"			SLUMP = 4"		
ALL ADJACENT REINFORCING LAPS ARE TO BE STAGGERED A MINIMUM OF 5'-0".		5.2 CLASS B	INCLUDING AT TRASH EI 28-DAY STRI		
REINFORCING SHALL BE PLACED WITH THE FOLLOWING MINIMUM CLEAR COVERAGE, UNO:			MAX AGGRE MAX WATEF SLUMP = 4"		
7.1POURED AGAINST EXCAVATIONS/GROUND= 3"7.2POURED AGAINST FORMS, EXPOSED TO SOIL= 2"7.3CONCRETE EXPOSED TO WEATHER= $1\frac{1}{2}$ "7.4SLABS ON GRADE - CENTER REINFORCING WITHIN SLAB DEPTH		3.2 CLASS C	FOR USE AT WALKWAYS 28-DAY STRI		
REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.			MAX AGGRE MAX WATEF SLUMP = 4"		
WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.		NOTE: CON CLASS A W MONOLITH	NCRETE TYPE C /HEN FOOTING HICALLY.		
WELDING OF REINFORCING IS NOT PERMITTED UNLESS SHOWN ON THESE DRAWINGS OR WITH PRIOR WRITTEN APPROVAL FROM THE SEOR.	4.	CONSTITUENTS ( FOLLOWING REC	DF STRUCTURA QUIREMENTS:		
ICRETE MASONRY NOTES: ALL CONCRETE MASONRY UNITS SHALL BE GRADE N WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH = 2000 PSI. USE OPEN END UNITS AS REQUIRED TO MAINTAIN REINFORCEMENT CLEARANCES AND PROPERLY CONSOLIDATE GROUT. ALL CELLS TO BE SOLID GROUTED. UNITS TO BE SAMPLED AND TESTED TO VERIFY CONFORMANCE WITH ASTM C90.	5.	<ul> <li>4.1 PORTLANE</li> <li>4.2 COARSE A</li> <li>4.3 REINFORC</li> <li>4.4 FLY ASH PE</li> <li>4.5 ADMIXTUE</li> <li>ALL DEBRIS SHALE</li> <li>EXCAVATIONS PE</li> <li>OR FORM SPREA</li> <li>ALL BEINFORCEM</li> </ul>	D CEMENT PER ND FINE AGGR ING PER ASTM ER ASTM C-618 RES PER PROJE LL BE REMOVE RIOR TO POUR DERS SHALL BI MENT ANCHOR		
GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH = 2000 PSI AND HAVE MINIMUM 7 SACKS OF CEMENT/CU YD. ADD ONE POUND SIKA GROUT AID PER 100 LB OF CEMENT. GROUT SHALL CONFORM WITH TMS 602.	7.	ITEMS SHALL BE PRIOR TO PLACIN FREE-FALL OF CC CONCRETE SHAL	SECURED IN PO NG CONCRETE.		
MORTAR SHALL BE TYPE S IN ACCORDANCE WITH TMS 602 WITH A MINIMUM 28-DAY STRENGTH OF 1800 PSI.	8.	SO AS TO CAUSE CONCRETE SHAL	SEPARATION		
LAP ALL REINFORCEMENT 80 BAR DIAMETERS UNLESS NOTED OTHERWISE. WHERE LAPS OF ADJACENT BARS ARE SPACED 3" OR LESS, INCREASE LAP LENGTH 30%.	9.	HAND RODDING	OR TAMPING		
ALL REINFORCEMENT TO BE TIED AND SECURED IN PLACE PRIOR TO GROUTING.		REMOVED AND S AMPLITUDE PRIC SUBMIT CONSTR	SHALL BE INTER OR TO POURIN UCTION JOINT		
LOW-LIFT GROUTED CONSTRUCTION IS TO BE PER 2019 CBC 2104A.1.3.1.2.2. HIGH-LIFT GROUTED CONSTRUCTION IS TO BE PER 2019 CBC 2104A.1.3.1.2.3. HIGH-LIFT GROUTED CONSTRUCTION REQUIRES DSA APPROVAL AND SHALL BE IN ACCORDANCE WITH	10.	ALL FORMWORK BY LATEST EDITIO	TO REMAIN IN DN OF ACI 318		
PROVIDE INVERTED BOND UNIT AT BOTTOM OF ALL LIFTS AS REQUIRED TO FACILITATE PLACEMENT OF CLEAN OUTS.	11.	REFER TO ACI RE CONCRETE IN CO CONTRACTOR IS DESIGN WITH BA APPROPRIATE FO	Comendatio )LD and hot \ RESPONSIBLE .TCH PLANT TC )R SITE CONDI		
FOOTING DOWELS WITH STANDARD HOOK SHALL MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT UNO. PROVIDE MINIMUM LAP W/ VERTICAL REINFORCEMENT AND EXTEND HOOKED END TO WITHIN 3" OF BOTTOM OF FOOTING UNO.	12.	CONTRACTOR IS IMPLEMENTING SITE/WEATHER (	RESPONSIBLE APPROPRIATE CONDITIONS A		
PROVIDE 2-#5 CONT IN BOND BEAM UNITS AT THE TOPS OF WALLS AND AT ALL ROOF LEDGER LOCATIONS	13.	ALL SLABS SHALL	BE FLAT AND		
PROVIDE TEMPLATES AS REQUIRED TO SECURE BOLTS IN POSITION. PROVIDE 1" MIN GROUT AROUND BOLTS.		FOR FLATNESS A THE PROJECT OV NOT MEET THE F	ND MINIMUM VNER MAY REJ LATNESS CRIT		
PROVIDE CONTROL JOINTS @ 40'oc MAX SPACING. PROVIDE TEST AND INSPECTIONS IN COMPLIANCE WITH TMS 402	14.	CONDUITS AND	PIPES EMBEDD		
		PASSING VERTIC	ally Through		

NCRE	TE NOTE	5:						
ALL AND	ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2019 CBC AND ACI 318-14.							
ALL PRO AND EACI FIELI	CONCRETE SI PORTIONS O ADMIXTURE H CONCRETE D EXPERIENC	HALL BE NORMAL WEIGHT PER ACI 301 AND HAVE F CEMENT, COARSE AND FINE AGGREGATE, WATER S TO PRODUCE THE PROPERTIES SPECIFIED FOR MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS E AND SUPPORTED BY PREVIOUS TEST RECORDS.						
STRI PRO REQ	JCTURAL CO PERTIES. REF UIREMENTS.	NCRETE SHALL HAVE THE FOLLOWING MINIMUM ER TO PROJECT SPECIFICATIONS FOR ADDITIONAL						
3.1	CLASS A	FOR USE AT FOUNDATIONS AND OTHER CONCRETE GREATER THAN 8" THICKNESS 28-DAY STRENGTH, F'c = 3,500 PSI MAX AGGREGATE SIZE = $1\frac{1}{2}$ " MAX WATER TO CEMENT RATIO = 0.55 SLUMP = 4" ± 1"						
3.2	CLASS B	FOR USE AT CONCRETE 8" OR LESS IN THICKNESS INCLUDING INTERIOR SLABS AND EXTERIOR SLAB AT TRASH ENCLOSURE 28-DAY STRENGTH, F'c = 4,000 PSI MAX AGGREGATE SIZE = $\frac{3}{4}$ " MAX WATER TO CEMENT RATIO = 0.45 SLUMP = 4" ± 1"						
3.2	CLASS C	FOR USE AT EXTERIOR SLABS ON GRADE, WALKWAYS, RAMPS, ETC. 28-DAY STRENGTH, F'c = 3,000 PSI MAX AGGREGATE SIZE = 1" MAX WATER TO CEMENT RATIO = 0.55 SLUMP = 4" ± 1"						
	NOTE: CON CLASS A W MONOLITH	ICRETE TYPE CLASS B MAY BE USED IN LIEU OF HEN FOOTINGS, CURBS, AND SLABS ARE POURED IICALLY.						
CON FOLL	STITUENTS C OWING REQ	)F STRUCTURAL CONCRETE SHALL MEET THE UIREMENTS:						
4.1 4.2 4.3 4.4 4.5	PORTLAND COARSE AN REINFORCI FLY ASH PE ADMIXTUF	CEMENT PER ASTM C-150 TYPE I OR II ND FINE AGGREGATES PER ASTM C-33 NG PER ASTM A615 GRADE 60, UNO R ASTM C-618 CLASS N OR F RES PER PROJECT SPECIFICATIONS						

- ED FROM FORMS AND FOOTING RING CONCRETE. NO WOOD STAKES E PERMITTED IN CONCRETE.
- R BOLTS, AND OTHER EMBEDDED POSITION SHOWN ON DRAWINGS
- L BE LIMITED TO 4'-0" MAX. DPPED THROUGH REINFORCING STEEL OF AGGREGATES.
- IDATED BY MECHANICAL VIBRATION BLE FOR ON SITE CONDITIONS. USE S AS REQUIRED.
- L HAVE ALL LOOSE MATERIAL ENTIONALLY ROUGHENED TO  $\frac{1}{4}$ " NG CONCRETE. CONTRACTOR SHALL T LOCATIONS TO ENGINEER FOR UCTION.
- IN PLACE FOR DURATION AS REQUIRED
- ONS FOR PLACING AND CURING WEATHER CONDITIONS. E FOR COORDINATING CONCRETE MIX O PROVIDE CONCRETE MIX ITIONS
- E FOR DETERMING AND E CURING PROCEDURES FOR ACTUAL AND SHALL INCLUDE PROVISIONS FOR R TO ACI 308R.
- D LEVEL W/A TOLERANCE OF  $\frac{3}{16}$ " IN 10' LOCAL VALUE F = 32 PER ASTM 1155. EJECT ANY CONSTRUCTION THAT DOES TERIA NOTED WITH REPLACEMENT AT
- DED IN THE SLAB (OTHER THAN THOSE GH) SHALL NOT BE PERMITTED. CONTRACTOR TO SUBMIT FOOTING PENETRATIONS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- 15. DSA AND THE STRUCTURAL ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 48 HOURS BEFORE PLACING CONCRETE (T-24 PART 1, 4-331).

DESIGN	CRITERIA:

![](_page_10_Figure_72.jpeg)

- 2. BUILDING CODE: 2019 CALIFORNIA BUILDING CO
- 3. GRAVITY LOADS: ESTIMATES OF AS-BUILT CONDITIONS FOR EXISTING BUIL **BUILDING ROOFS**
- ROOF LIVE LOAD = 20 PSF (REDUCIBL ROOF DEAD LOAD = 20 PSF WALL WEIGHTS
- EXTERIOR WALLS = 15 PSF INTERIOR WALLS = 10 PSF 4. LATERAL LOADS: RISK CATEGORY III
  - WIND LOADS (ASCE 7-16)
  - BASIC WIND SPEED 100 MPH (77 MPH EXPOSURE BUILDINGS ARE CONSIDERED "ENCLOSED"

PRESSURE COEFFICIENTS

- INTERNAL PRESSURE COEFFICIENT, GC<sub>ni</sub> TOPOGRAPHIC FACTOR, K<sub>zt</sub> WIND DIRECTIONALITY FACTOR, K<sub>d</sub>
- VELOCITY PRESSURES
  - q(0'-15') = 11.0 PSF(ASD)q(15'-20') = 11.6 PSF(ASD)
- SEISMIC LOADS (ASCE 7-16) NEW TRASH ENCLOSUR

SITE CLASS SEISMIC DES IMPORTANC REDUNDANC	IGN CATEG E FACTOR ΣΥ, ρ	ORY	D D 1.25 1.0	R = Ω = Cd =
S <sub>s</sub> = F <sub>a</sub> = S <sub>Ms</sub> = S <sub>Ds</sub> =	0.614 1.309 0.803 0.536	$S_{1} = F_{v} = S_{M1} = S_{D1} = S_{D1}$	0.257 2.080 0.535 0.357	

**INSPECTION NOTES:** 

- 1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A ( TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 P 4-335).
- 2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPT THE 2019 CBC AND THE PROJECT SPECIFIC DSA-103.
- 3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF TH OF EXPERIENCE WITH MATERIAL BEING INSPECTED.

FOUNDATION NOTES:

- 1. FOUNDATIONS ARE DESIGNED ACCORDING TO THE 2019 1806A.2.
- 2. FOOTINGS SHALL BEAR ON FIRM, DRY, NATIVE SOIL.
- 3. FOOTING DEPTHS INDICATED ON PLANS ARE MINIMUMS OVER-EXCAVATION SHALL BE BACKFILLED WITH LEAN MIX CONCRETE HAVING A MINIMUM 28-DAY STRENGTH OF 1,
- 4. FOOTINGS MAY BE OVER-EXCAVATED AT CONTRACTOR'S FOR PLACEMENT OF LEAN MIX CONCRETE TO FACILITATE REMOVAL OF DEBRIS AND STANDING WATER.
- 5. ALL FOOTINGS NOT FORMED SHALL BE POURED IN NEAT EXCAVATIONS. BOTTOMS OF EXCAVATIONS SHALL BE LEV CHANGES IN ELEVATION ONLY AS NOTED IN THESE DRAW
- SEOR SHALL BE NOTIFIED IMMEDIATELY WHERE JOB SITE CONDITIONS ARE DIFFERENT THAN THOSE SHOWN ON CO DRAWINGS.
- 7. SEOR SHALL BE NOTIFIED A MINIMUM OF 48-HOURS PRIC PLACING OF CONCRETE SLABS AND FOUNDATIONS.

NOT ALL DETAILS AND NOTES SHOWN ON THIS SHEET ARE REQUIRED TO BE **USED FOR THIS LIMITED SCOPE BID AND CONSTRUCTION PROJECT. CONTRACTOR** IS RESPONSIBLE FOR IDENTIFYING THOSE DETAILS AND NOTES THAT PERTAIN AND ARE ASSOCIATED WITH THIS LIMITED SCOPE PROJECT

	STRUCTURAL SHEET INDEX:	
	S0.1 GENERAL NOTES S0.2 GENERAL NOTES & TYPICAL DETAILS	DIV.
DDE	S2.1 STRUCTURAL BUILDING PLANS S2.1E PARTIAL PLANS - BUILDING E	APF
	S2.2 TRASH ENCLOSURE PLANS & DETAILS S4.1 DETAILS	
DINGS		DAT
E)	ABBREVIATIONS:	
	@ AT AB ANCHOR BOLT	
	ACI AMERICAN CONCRETE INSTITUTE AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION	
	AISI AMERICAN IRON AND STEEL INSTITUTE APA AMERICAN PLYWOOD ASSOCIATION	
ASD)	ARCH ARCHITECT/ARCHITECTURAL ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS	
	AWS AMERICAN WELDING SOCIETY B.O. BOTTOM OF	
	CBC CALIFORNIA BUILDING CODE CFS COLD-FORMED STEEL	
$= \pm 0.18$ = 1.00	CMU CONCRETE MASONRY UNIT Ø DIAMETER	
= 0.85	DWGS DRAWINGS DSA DIVISION OF THE STATE ARCHITECT	
	ES EDGE SCREW w/SPACING PER SHEAR WALL DIAGRAMS F.O. FACE OF	
RE	HD HOLDOWN HSS HOLLOW STRUCTURAL SECTION	
1.25	L STEEL ANGLE MAX MAXIMUM	
2.50	MC MISCELLANEOUS CHANNEL MIN MINIMUM	
	NTS NOT TO SCALE # NUMBER OR POUNDS	
	OC ON CENTER OH OPPOSITE HAND	_
	PAF POWDER-ACTUATED FASTENER PJ PANEL JOINT	
	SEOR STRUCTURAL ENGINEER OF RECORD SMS SHEET METAL SCREW	
	T & B TOP AND BOTTOM THRU THROUGH	
	T.O. TOP OF TYP TYPICAL	
PART 1,	UNO UNLESS NOTED OTHERWISE w/ WITH	
TER 17A OF		
HREE YEARS	GENERAL NOTES:	
	1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2019 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND	
	2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE	TR
CBC TABLE	LISTED PROJECT AND SITE LOCATION.	
	<ol> <li>NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL, LIKE CONDITIONS LINESS OTHERWISE NOTED OR DETAILED</li> </ol>	
. AREAS OF	<ol> <li>IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIEVAL</li> </ol>	
X .,500 PSI.	DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT	Ŏ
OPTION	DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR	
THE	NOTED.	「① 집
	<ol> <li>IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY</li> </ol>	0Å
/EL, WITH VINGS.	ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S	ᆜ ㅈ
	FAILURE TO COMPLY W/ THESE REQUIREMENTS.	
UNTRACT	<ol> <li>STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF</li> </ol>	
OR TO THE	CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE	Ϋ́Ϋ́Υ
	RESPONSIBILITY OF THE CONTRACTOR.	
	<ol> <li>A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIMES (T-24 PART 1, 4-317(c).</li> </ol>	
	8. ALL CHANGES TO THE ACCESSIBILITY, FIRE AND LIFE SAFETY, AND	二日正
	STRUCTURAL PORTIONS OF THE APPROVED DRAWINGS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD). ALL SUCH	
	CHANGES BY CCD ARE TO BE SIGNED BY THE SEOR, THE OWNER, AND APPROVED BY DSA. CHANGES BY CCD ARE NOT VALID UNTIL	
	APPROVED BY DSA (T-24, PART 1, 4-338).	
	<ol> <li>A PROJECT INSPECTOR (INSPECTOR OF RECORD, IOR) EMPLOYED BY THE OWNER/DISTRICT AND CERTIFIED BY DSA SHALL PROVIDE</li> </ol>	
	CONTINUOUS INSPECTION OF THE WORK	1450 HARBOR
	10. THE STRUCTURAL ENGINEER SHALL PERFORM DUTIES PER T-24 PART	916.716.6910
	1, 4-333(a) AND 4-341. THE CONTRACTOR SHALL PERFORM DUTIES PER 4-343. THE IOR SHALL PERFORM DUTIES PER T-24 PART 1, 4-342.	
	DRAWING STANDARDS:	
	SHEET NUMBERING	
		PROJECT NO.
	2 PLANS 3 ELEVATIONS & SECTIONS	21-32-052
	4 DETAILS BUILDING DESIGNATION	DATE 3/28/2022
		DRAWN
		CHECKED
	S2.1.1	GR
		SCALE
	SYMBOLS	CADFILE
		UPDATED
	SXX SXX SXX	11/17/2022
	STANDARD WALL BUILDING DETAIL & ELEVATION SECTION &	SHEET NO.
	LOCATION & LOCATION LOCATION GRID LINE @ CENTER OF	
	STRUCTURAL ELEVATION	
	-	

IDENTIFIC DIV. OF THE S APP: 02-12 REVIE SS I FL DATE:	CATION STAMP STATE ARCHITECT 0455 INC: EWED FOR S I ACS I 01/12/2023
	730 Howe Avenue, Suite 450 Sacramento, CA 95825 Phone: 916.921.2112 Fax: 916.921.2212
	HENRY+ Associates Architects
★ CONSED C-2: CONTEN CONTE	ARCHARCE 2525 MU23 WAL TE CALLE
MODERNIZATION LAKEWOOD ELEMENTARY SCHOOL	GENERAL NOTES
RW CONSULTING Engineers In 1450 HARBOR BLVD SU WEST SACRAMENTO, C 916.716.6910	ITE F A 95691 PROFESSION BUC RY I. RICH BUC ST4555 Exp 117131/2022 THE OF CALIFORNIT 12/16/2022
PROJECT NO. 21-32-052 DATE 3/28/2022	REVISIONS BY
DRAWN DI CHECKED	
GR SCALE	
JPDATED 11/17/2022	
SHEET NO.	).1

![](_page_11_Figure_0.jpeg)

#### FOUNDATION PLAN NOTES:

- 1. REFER TO CIVIL DRAWINGS, PROJECT SPECIFICATIONS & GEOTECHNICAL REPORT FOR PREPARATION OF BUILDING PAD.
- 2. REFER TO SHEET  $\underline{S0.1}$  &  $\underline{S0.2}$  FOR TYPICAL NOTES AND DETAILS.
- 3. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMPING & LANDSCAPE. ALL EXTERIOR CONCRETE WORK IS PER CIVIL / ARCHITECTURAL SITE PLAN.
- 4. DIMENSIONS ARE TO FACE OF CMU WALLS AND CENTERLINE OF POSTS, UNO. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS & NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

#### FOUNDATION PLAN LEGEND:

CMU WALL w/ CURB ON MATT SLAB

PIER FOOTING

POST / PIPE

![](_page_11_Picture_10.jpeg)

#### KEY NOTES:

- 8" THICK MATT SLAB w/ #5 BARS @ 18"oc EACH WAY CENTERED IN DEPTH OF MAT SLAB
- (2) THICKENED SLAB EDGE, TYP @ PERIMETER
- (3) 24"Ø x 48" DEEP DRILLED PIER, TYP OF 2
- (4) 8" FULLY GROUTED CMU WALL w/ #5 VERTICAL BARS @ 16"oc & #5 HORIZONTAL BARS @ 24"oc - ALL HORIZONTAL BARS ARE TO TERMINATE w/ A 180° HOOK
- 5 6" HIGH CURB, TYP ALONG CMU WALLS
- $(6) HSS5x5x_{4}^{1} GATE POST$
- (7) 6"Ø SCHEDULE 40 PIPE BOLLARD POST, FILL WITH CONCRETE OR NON-SHRINK GROUT
- 8 HINGE
- 9 CANE BOLT
- 10 SLIDE BOLT
- (1)  $\frac{1}{4}$ x2 PLATE, DIAGONAL
- $\begin{array}{c} \textcircled{12} \\ L2^{\frac{1}{2}}x2^{\frac{1}{2}}x^{\frac{1}{4}} \end{array}$
- (13) B36 x 18GAGE DECK
- (14) CANE BOLT SLEEVE
- (15) 36"Ø x 48" DEEP DRILLED PIER, TYP OF 2 SEE <u>2/S2.2</u>

ALL STEEL BOLLARDS, POSTS AND GATES SHALL BE GALVANIZED

#### SEISMIC LOAD RESISTING SYSTEM (SLRS):

DIRECTION	WALL LINES
NORTH-SOUTH	LINE 1 & LINE 2
EAST-WEST	LINE A
ASCE 7-16 TABLE 15.4-2: GROUND SUPPORTED CANTILEVER WAL OR FENCES (ASCE 7-16 TABLE 15.4-2)	

### NOTE: THE TRASH ENCLOSURE IS A PART OF THE LIMITED SCOPE OF WORK.

![](_page_11_Figure_31.jpeg)

![](_page_12_Figure_0.jpeg)

![](_page_12_Figure_1.jpeg)

### ABBREVIATIONS

А	AMPERES
AC	ALTERNATING CURRENT
A.F.F.	ABOVE FINISHED FLOOR
A.I.C.	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C.	CONDUIT
C.B.	CIRCUIT BREAKER
СКТ	CIRCUIT
CLG.	CEILING
C.O.	CONDUIT ONLY, WITH PULL WIRE
DC	
(E)	EXISTING
(ER)	EXISTING RELOCATED
EMT	ELECTRICAL METALLIC CONDUIT
(F)	FUTURE
GA.	GAUGE
GND	GROUND
GECI	
	HORSEPOWER
HVAC	
IIVAO	CONDITIONING
lsc	SHORT CIRCUIT AMPERES
ISO	ISOLATED
K	THOUSAND
KV	KILO VOLT
KVA	KILO VOLT AMPERE
KW	KILO WATT
MAX.	MAXIMUM
MFR.	MANUFACTURER
MIN.	MINIMUM
MTD.	MOUNTED
Ν	NEUTRAL
(N)	NEW
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N.I.C.	NOT IN CONTRACT
PFB	PROVISIONS FOR FUTURE CIRCUIT BREAKER
PH	PHASE
(R)	REMOVE
(RE)	RELOCATE EXISTING
RCPT.	RECEPTACLE
S.M.S	SHEET METAL SCREW
SWBD	SWITCHBOARD
SYS	SYSTEM
TYP.	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
V	VOLT
VA	VOLT-AMPERES
W	WIRE, WATT
WP	WEATHER PROTECTED
XFMR	TRANSFORMER

	ELECTRICAL SYMBOL LIST
	ENCLOSED LUMINAIRE - CEILING LAY-IN
	EXISTING LUMINAIRE TO BE REMOVED
\$ <sub>K</sub> <sup>ab</sup>	SWITCH, +45" AFF - "a,b" LETTER DENOTES MULTI-SWITCH FUNCTION, SWITCHES, MOTION SENSORS AND DAYLIGHT SENSORS UNLESS NOT "K" DENOTES SINGLE POLE TOGGLE SWITCH.
\$	DIMMER OWOFF SWITCH - +45"AFF.
\$	OCCUPANCY SENSOR SWITCH WITH MANUAL OVERRIDE - WALL MOUN UNLESS NOTED OTHERWISE
OS	OCCUPANCY AREA SENSOR SWITCH - CEILING MOUNTED OS = OCCUPANCY SENSOR: PC = PHOTOCELL; DZ = DAYLIGHT
J	JUNCTION BOX - SIZE AS REQUIRED BY CODE
Þ	DUPLEX CONVENIENCE OUTLET - NEW 5-20R +18" A.F.F. TYPICAL FOR OUTLETS, UNLESS NOTED OTHERWISENLETTERS SHOWN ADJACENT T DESIGNATE THE FOLLOWING: "A" - HORIZONTAL ABOVE COUNTER
Þ	GFCI DUPLEX CONVENIENCE OUTLET - NEMA 5-202
₽	QUADPLEX CONVEMENCE OUTLET - NEMA 5-20R. +18" A.N.F. UNLESS N LETTER "A" SHOWN ADJACENT TO OUTLET DESIGNATES MOUNTED AB
НØ	SPECIAL RECEPTACLE AS SHOWN ON PLANS
<b>⋈</b> A	DATA OUTLET, +18" A.F.F. UNLESS NOTED OTHERWISE. LETTER "A" S OUTLET DESIGNATES MOUNTED ABOVE COUNTER, "BC" DESIGNATES WILL JUST BELOW CEILING.
	SPEAKER - WALL MOUNTED
<b>⊈</b> -	CLOCK OUTLET/CLOCK - WALL MOUNTED
	CONDUIT RUN CONCEALED IN CEILINGS OR WALLS. NUMBER OF HASH QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF # WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. M DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" CONDUIT. TYP CONDUITS.
	FLEXIBLE CONDUIT CONCEALED. NUMBER OF HASH MARKS DENOTES CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WI OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOT 1 #12 GREEN GROUND IN 1/2" MINIMUM DIAMETER CONDUIT.
	CONDUIT RUN UNDERFLOOR OR UNDERGROUND MINIMUM 1" DIAMETE
	CONDUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR TERMINAL O
o	CONDUIT TURNED AND RISED UP

-	
•	CONDUIT TURNED AND DROPPED DOWN
	CONDUIT WITH CAP
	CONDUIT STUB WITH INSULATED BUSHING
	EXISTING CONDUIT AND WIRING
	EXISTING PANELBOARD - SURFACE MOUNTED
	EXISTING PANELBOARD - FLUSH MOUNTED
	TERMINAL CABINET
	SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER
	EQUIPMENT DISCONNECT SWITCH - EXTERNALLY OPERATED, FUSED WITH FUSE SIZE
Ю	EQUIPMENT DISCONNECT SWITCH - EXTERNALLY OPERATED, NON-FUSIBLE
$\boxtimes$	EQUIPMENT CONTROLLER
9	EQUIPMENT MOTOR POWER CONNECTIONS PART OF ELECTRICAL WORK
	UNDERGROUND PULLBOX. SEE PLANS FOR BOX SIZE (BASED ON CHRISTY PRODUCTS) AN
EQ 1	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
1	DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAM SHEET
1	DRAWING PLAN OR DETAIL DESIGNATION - "1" OR "A" DENOTES PLAN OR DETAIL NUMBER,

#### SYMBOL LIST NOTES:

E-1 /

1. EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.

"E-1" DENOTES SHEET NUMBER

2. VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.

# TYPICAL FOR ALL OTHERWISE. NTED AT +45" AFF R ALL CONVENIENCE TO OUTLET NOTED OTHERWISE. BOVE COUNTER. OWN ADJACENT TO ONTLET MOUNTED ON

H MARKS DENOTES 12 GREEN GROUND NO HASH MARKS PICAL FOR ALL

S QUANTITY OF WIRES. IRES. CONDUCTORS TES 2 #12 AWG AND

CABINET

N CHRISTY PRODUCTS) AND

NUMBERED NOTE ON SAME

# **DEMOLITION GENERAL NOTES**

INFORMATION SHOWN RELATIVE TO EXISTING CONDITIONS IS BASED UPON AVAILABLE RECORDS AND DATA. THEREFORE, IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND/OR BEFORE START OF ANY ELECTRICAL WORK, INSPECT ALL EXISTING LOCATIONS AND CONDITIONS AND ASCERTAIN WORK REQUIRED TO CLEAR PROJECT AREA OF ALL EXISTING ELECTRICAL ITEMS NOT BEING REUSED OR EXISTING TO REMAIN AS IS. REPORT ALL DISCREPANCIES AND COORDINATE ALL DEMOLITION WORK WITH THE OWNER'S REPRESENTATIVE. MAINTAIN SERVICE TO EXISTING ELECTRICAL EQUIPMENT IN AREAS ADJACENT TO REMODEL AREA, UNLESS OTHERWISE NOTED.

- PROTECT ALL EXISTING ELECTRICAL AND FIRE ALARM EQUIPMENT ON EXISTING WALLS AND CEILINGS NOT REQUIRED TO BE DEMOLISHED UNLESS OTHERWISE NOTED. DELIVER ALL EXISTING ELECTRICAL EQUIPMENT IN REMODELED AREAS, THAT ARE REMOVED AND NOT REUSED ELSEWHERE, AND ARE DEEMED TO BE SALVAGEABLE IN THE JUDGMENT OF THE CONTRACTOR AND OWNER'S REPRESENTATIVE, TO THE OWNER. DELIVER ALL SALVAGED ELECTRICAL EQUIPMENT AND OTHER ITEMS TO A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE. REMOVE FROM SITE, ALL OTHER ELECTRICAL EQUIPMENT, HARDWARE, AND OTHER ITEMS THAT ARE DEEMED UNSALVAGEABLE BY CONTRACTOR AND THE OWNER'S REPRESENTATIVE.
- CUT, PATCH AND MATCH IN ALL AREAS AFFECTED BY REMOVAL OF ELECTRICAL EQUIPMENT AND DEVICES.
- CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. 4 SCHEDULE ANY POWER OR OTHER UTILITY SHUTDOWN WITH THE OWNER'S REPRESENTATIVE. SHUTDOWNS WHICH MAY BE REQUIRED SHALL BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN WORK SHALL BE PERFORMED ON OVERTIME HOURS IF SO DIRECTED BY OWNER'S REPRESENTATIVE.
- DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, OUTLETS, DEVICES, CONDUIT, WIRING AND OTHER ELECTRICAL ITEMS, WHETHER SHOWN OR NOT, FROM EXISTING CEILINGS AND WALLS WHICH ARE TO BE DEMOLISHED. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REMAINING DEVICES, UNLESS OTHERWISE NOTED.
- COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. 6. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
- RELOCATE ALL CONDUITS THAT ARE TO REMAIN IN SERVICE WHICH ARE IN A LOCATION TO CONFLICT WITH NEW WORK.
- WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, AND OTHER ITEMS, CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS TO COORDINATE WITH NEW CONSTRUCTION.
- 9. REUSE EXISTING CONDUITS AND WIRING WHEREVER POSSIBLE UNLESS OTHERWISE NOTED TO BE REMOVED.
- 10. PROVIDE FIRE RATED BACKBOXES TO MAINTAIN FIRE RATING OF CEILING OR WALLS AT LOCATIONS WHERE RECESSED ELECTRICAL EQUIPMENT SUCH AS LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELS, AND OTHER ITEMS, ARE INSTALLED IN RATED WALLS OR CEILINGS.
- 11. PROVIDE PROTECTIVE COVERING OVER EXISTING EQUIPMENT WHEN INSTALLING ALL NEW WORK.
- 12. PROVIDE NEW PANEL DIRECTORIES FOR EXISTING PANELS INVOLVED IN THIS RENOVATION WORK, REFLECTING ALL CHANGES TO CIRCUIT DESIGNATIONS.
- ASBESTOS REMOVAL: IN THE EVENT ASBESTOS IS FOUND TO BE PRESENT IN AREAS CONFLICTING WITH 13 ELECTRICAL WORK, BEFORE CONTINUATION OF WORK IN THOSE AREAS, NOTIFY THE OWNER'S REPRESENTATIVE FOR THE REMOVAL OF SUCH HAZARDOUS MATERIAL BY A CERTIFIED ASBESTOS CONTRACTOR.
- 14. CIRCUIT NUMBERS AND CIRCUITING BASED UPON AS-BUILTS. ACTUAL CONDITION MAY VARY. TRACE AND VERIFY ALL CIRCUITS SHOWN ARE AVAILABLE FOR DEMOLITION AND REUSE AS NEEDED DURING THE REMODEL PHASE. DOCUMENT ALL CHANGES ON AS-BUILT DRAWINGS

# MEP COMPONENT ANCHORAGE NOTE

### MEP COMPONENT ANCHORAGE NOTE

TEMPORARY ATTACHMENTS.

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC. SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26, AND 30.

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHINGLESS THAN 20 POUNDS, OR IN THE CASE OF SISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRUBUTION SYSTEM BRACING NOTE

PIPING , DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1616A.1.24, 1616A.1.25, AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRUBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSIDE PRIOR TO THE START AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP MD PP EX - OPTION 1 : DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP MD PP E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #)

No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS
1	E0.1	ELECTRICAL SHEET INDEX, SYMBOL LIST, ABBREVIATIONS AND NOTES
2	E1.1	SITE PLAN - ELECTRICAL
<del>.)</del>	E2.1.A	FLOOR PLANS - LIGHTING - DUILDING A
4	E2.2.A	FLOOR PLANG ELECTRICAL BUILDING A
5	E2.1.B	FLOOR PLANS LIGHTING BUILDING B
6	E2.2.B	FLOOR PLANS ELECTRICAL BUILDING B
7	E2.1.0	FLOOR FLANS - LIGHTING - DUILDING G
<del>.</del>	E2.2.C	FLOOR PLANS - ELECTRICAL - DUILDING C
9	E2.1.D	FLOOR PLAN - ELECTRICAL - BUILDING D
10	E2.1.E	FLOOR PLANG - ELECTRICAL - DUILDING E
44	E3.1	PARTIAL ONE LINE POWER DIACRAMS
12	E3.2	PANEL SCHEDULES
13	E4.1	ELECTRICAL DETAILS

LUMINAIRE SCHEDULE					
	MANUFACTURER	VOLTAGE	LIGHT SOURCE		REMARK
YPE	CATALOG NO.	DESCRIPTION	COLOR TEMPERATURE, CRI, R9 IF AVAILABLE)	MOUNTING	NOTE No.
	WILLIAMS PTS	120V			
Α	PTS-1-4-L45-9-33 RA DIM-		LED, 33.7W, 3500K,	SURFACE	
	120	LEL TV4 SURFACE	90CR1		
	WILLIAMS 39	1201/			
В	39-4   20-0-55-A	LED 1x4 SURFACE	90CRI	CUPEACE	
	Gardco	1201/			
P1	P26-48I -400-NW-G2-AR-3-		LED. 60W. 8827LM.	POLE	
	120-CS50	SINGLE PureForm LED P26	4000K. 70CRI		
	Gardco				
	SRS-CB-5-11-25-D1-DT5	25 FT STRAIGHT ROUND STEEL POLE			
	Gardco PureForm LED P26	120V			
Ρ2	P26-48L-400-NW-G2-AR-3- 120-CS50	TWIN PureForm LED P26	LED, 60W, 8827LM 4000K, 70CRI	POLE	
	Gardco				
	SRS-CB-5-11-25-D2-DT5	25 FT STRAIGHT ROUND			
		STEEL POLE			
LUMINAIRE SCHEDULE REMARK NOTES:					
G	ENERAL NOTE:				

# FI ECTRICAL SHEET INDEX

REFER TO PLAN FOR LOCATION, QUANTITIES, AND SWITCH FUNCTION.

![](_page_13_Picture_59.jpeg)

![](_page_13_Picture_60.jpeg)

M. NEILS ENGINEERING, INC.

Electrical Engineers | Lighting Designers 100 Howe Ave., Suite 235N Sacramento, CA 95825-8217 www.mneilsengineering.com Tel: (916) 923-4400 PROJECT #: 21248.21 PRJ MGR: Sinisha Glisic

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_2.jpeg)

# NUMBERED NOTES

EMS.

1 REMOVE (E) POLE LIGHT. REMOVE CONDUIT TO EXTENT OF DEMOLITION. REMOVE WIRING BACK TO BUILDING "A".

2 POLE MOUNTED FIXTURE, SEE LUMINAIRE SCHEDULE. PROVIDE POLE PER 5/E4.1. TYPICAL FOR "P1" AND "P2" TYPE FIXTURE. CONTROLS TO BE INTEGRATED INTO PELICAN CONTROL SYSTEM AND SITE

3 PROVIDE (N) PULLBOX OVER (E) CONDUIT. PROVIDE (N) #12 WIRING FROM BUILDING "A" (REFER TO NUMBERED NOTE 1). CONNECT (N) POLE LIGHTS TO (E) CIRCUIT. (E) LIGHTING CIRCUIT IS CONTROLLED BY (E) EMS SYSTEM. INSURE CORRECT WIRING & TEST (N) LIGHTING.

(E) SCHOOL SIGN TO BE REMOVED. ELECTRICAL CONTRACTOR TO DISCONNECT AND TO PROTECT POWER/L.V. FOR REINSTALLATION BY OTHERS.

5 (N) QUAD AREA. PROTECT (E) CONDUIT DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL USA AREA BEFORE START OF DEMOLITION.

6 (E) CONDUIT - PROTECT DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL USA AREA BEFORE START OF DEMOLITION.

7 (2) 3"C.O. FOR FUTURE E.V. CHARGERS, FROM MAIN SWITCHBOARD TO PULLBOXES AS SHOWN. PROVIDE PULL ROPE AND SEAL CONDUITS.

8 3"C.O. FOR FUTURE E.V. CHARGERS. PROVIDE PULL ROPE AND SEAL CONDUIT.

9 (E) HVAG UNIT. ELECTRICAL CONTRACTOR SHALL TEMPORARY SUPPORT (E) EXPOSED CONDUITS/CONDUCTORS TO UNITS TO ALLOW NEW CONCRETE WALKWAY TO BE INSTALLED. AFTER (N) CONCRETE IS IN PLACE REINSTALL (E) CONDUIT/CONDUCTORS TO NEW WALKWAY/CONCRETE.

10 RELOCATED GATE. ELECTRICAL CONTRACTOR TO CAREFULLY DISCONNECT (E) CARD READER AND GATE OPENER, EXTEND (E) CONDUITS TO (N) GATE LOCATION AND REINSTALL (E) CARD READER AND GATE OPENER. CARD READER SHALL BE INSTALLED TO 48" MAX. A.G. PROVIDE (N) WIRING FROM (N) GATE LOCATION TO HEAD END OF CARD READER/GATE OPENER. NO UNDERGROUND SPLICING OF CARD READER/GATE OPENER WIRES.

(E) PULLBOX, PROTECT DURING DEMOLITION AND ADJUST TO (N) CONCRETE WALKWAY GRADE. BOX SHALL BE FLUSH WITH (N) CONCRETE WALKWAY.

12 SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR (N) CONCRETE WALKWAYS AND (N) ASPHALTIC CONCRETE PAVING. ELECTRICAL CONTRACTOR SHALL USA THIS AREA BEFORE ANY DEMOLITION STARTS, IDENTIFY (E) U.G. INFRASTRUCTURE AND COORDINATE WITH DEMOLITION CONTRACTOR TO PROTECT (E) U.G. INFRASTRUCTURE. ANY DAMAGED CONDUITS/CONDUCTORS SHALL BE REPLACED WITH (N) AND AFFECTED ELECTRICAL SYSTEM SHALL BE TESTED AND BROUGHT TO COMPLETELY WORKING CONDITION. (E) PULLBOXES SHALL BE ADJUSTED TO BE FLUSH WITH (N) SURFACES.

![](_page_14_Figure_16.jpeg)

Electrical Engineers | Lighting Designers 100 Howe Ave., Suite 235N Sacramento, CA 95825-8217 www.mneilsengineering.com Tel: (916) 923-4400 PROJECT #: <u>21248.21</u> PRJ MGR: Sinisha Glisic

![](_page_14_Picture_18.jpeg)

![](_page_15_Figure_0.jpeg)

2

![](_page_15_Figure_3.jpeg)

-CONDUIT PER PLAN

-10" DIA. x 24" DEEP DRAIN

![](_page_15_Figure_4.jpeg)

FOR 35 FE

5

E4.1

POLE BASE MOUNTING DETAIL NO SCALE

DSA REVIEW IS NOT REQUIRED FOR LIGHT POLE UNDER 35' HEIGHT

![](_page_15_Figure_7.jpeg)

NO SCALE

![](_page_15_Picture_8.jpeg)

![](_page_15_Picture_9.jpeg)

M. NEILS ENGINEERING, INC.

Electrical Engineers Lighting Designers 100 Howe Ave., Suite 235N Sacramento, CA 95825-8217 www.mneilsengineering.com Tel: (916) 923-4400 PROJECT #: <u>21248.21</u> PRJ MGR: Sinisha Glisic

### GENERAL NOTES:

- 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.
- CONSTRUCTION.

- OWNER.
- REQUIREMENTS.
- ADMINISTRATIVE AUTHORITY.

1. 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

![](_page_16_Picture_13.jpeg)

WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. 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

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.

4. 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.

5. 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.

7. 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

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

9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND 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 10. SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER

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.

### CIVIL ABBREVIATIONS AND LEGEND

	ABBREVIATIONS
NOTE: MAY	NOT ALL ABBREVIATIONS BE USED ON THESE PLANS
AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
C/L	CENTERLINE
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
СОММ	COMMUNICATION
CONC.	CONCRETE
CR	CURB RETURN
CS DC	CONCRETE SURFACE DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG DI	DECOMPOSED GRANITE DROP INLET
DIA	DIAMETER
DIP DWG	DUCTILE IRON PIPE DRAWING
DS	DOWNSPOUT
E EP	ELECTRIC EDGE OF PAVEMENT
ESMT	EASEMENT
EX FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
G	GAS
GB	GRADE BREAK
GRD	GRADE ELEVATION
GV HB	GATE VALVE HOSE BIBB
HBD	HEADER BOARD
HDPE HP	HIGH DENSITY POLYETHYLENE PIPE HIGH POINT
INV	PIPE INVERT ELEVATION
JP LF	LINEAL FEET
LIP	LIP OF GUTTER
MS	MOWSTRIP
	NOT TO SCALE
PCC	PORTLAND CEMENT CONCRETE
PD PIV	PLANTER DRAIN POST INDICATOR VALVE
P/L	PROPERTY LINE
PP PUF	POWER POLE PUBLIC UTILITY FASEMENT
PVC	POLYVINYL CHLORIDE
RCP R	REINFORCED CONCRETE PIPE RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP RW	REDUCED PRESSURE BACKFLOW PREVENTER RIGHT OF WAY
SCH	SCHEDULE
SDMH	STORM DRAIN STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SSMH	SANITARY SEWER MANHOLE
STD S /W	STANDARD
3/ <b>W</b> T	TELEPHONE
TC TD	TOP OF CURB
TDCB	TRENCH DRAIN CATCH BASIN
TP TRW	TELEPHONE POLE TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
U	IUP OF WALK ELEVATION UTILITY
UG	UNDERGROUND
VCP	VITRIFIED CLAY PIPE
W	WATER

WITH

W/ W/O WV

WITHOUT WATER VALVE

LEGEND		
NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.		
PROPOSED GRADING	& DRAINAGE SYMBOLS:	
8" SD	STORM DRAIN LINE (SIZE AND FLOW SHOWN)	
	STORM DRAIN MANHOLE (SDMH)	
	CATCH BASIN (CB)	
<b></b>	DROP INLET (DI)	
<b>—</b>	AREA DRAIN (AD)	
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)	
<b>o</b> co	STORM DRAIN CLEANOUT	
99.99	ELEVATION	
FF=100.00	FINISHED FLOOR ELEVATION	
PAD=99.33	BUILDING PAD ELEVATION	
	CONCRETE SIDEWALK	
$\longrightarrow$	GRADED DIRECTION FOR DRAINAGE FLOW	
$\longrightarrow$	SWALE	
Y Y Y	SLOPE	
$\otimes$	TREE TO BE REMOVED	

CIVIL	SHEET INDEX
C0.1	CIVIL COVER SHEET
C0.2	PARTIAL TOPOGRAPHIC SURVEY
C0.3	PARTIAL TOPOGRAPHIC SURVEY
C1.1	PARTIAL CIVIL DEMOLITION PLAN
C1.2	PARTIAL CIVIL DEMOLITION PLAN
C2.1	PARTIAL GRADING PLAN
C2.2	PARTIAL GRADING PLAN
C3.1	PARTIAL UTILITY PLAN
C3.2	PARTIAL UTILITY PLAN
C4.1	PARTIAL PAVING PLAN
C4.2	PARTIAL PAVING PLAN
C4.3	STRIPING AND SIGNAGE PLAN
C4.4	STRIPING AND SIGNAGE PLAN AND DETAILS
C5.1	DETAILS
C5.2	DETAILS AND SECTIONS
C6.1	EROSION CONTROL PLAN
C-1	COVER SHEET - OFF-SITE IMPROVEMENTS
C-2	GENERAL NOTES - OFF-SITE IMPROVEMENTS
0 7	

C-3 IMPROVEMENT PLAN – OFF-SITE IMPROVEMENTS

UTILITY VERIFICATION NOTE PRIOR TO THE START OF CONSTRUCTION, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

![](_page_16_Picture_34.jpeg)

DIV. OF THE STA APP: 02-1204 REVIEWE SS I FLS [ DATE: 01/*	TE ARCHITECT 55 INC: D FOR ☐ ACS ☑ 12/2023
	730 Howe Avenue, Suite 450 Sacramento, CA 95825 Phone: 916.921.2112 Fax: 916.921.2212
	HENRY+ Associates Architects
★ G C-22 G L DHEN C-22 ST L 12/3 REN DA OF	ARCHURECT 2525 AI/23 EWAL CALIFOR
MODERNIZATION LAKEWOOD ELEMENTARY SCHOOL	CIVIL COVER SHEET
CONSULTANT	IG ENGINEERS, INC. WAY, SUITE 110 95762   (916) 985-1870
PROJECT NO. 21-32-52 DATE 3/28/2022 DRAWN ML/MG CHECKED MG	REVISIONS BY
SCALE AS NOTED CADFILE UPDATED 11/17/2022 SHEET NO.	
	0.1

IDENTIFICATION STAMP

<u>EXIST</u>	ING UTILITIES	48 4	1970-					
12"50	STORM DRAIN LINE	No6940 48.0	AFL F	<u>4869</u> 65	SDALID X	X		-×,0 <sup>(1)</sup> -× ×
12"50	STORM DRAIN LINE			48.5405	RIM=48.43 51DE INLET/WI=4	-WF 7.78		
1 <u>2"SD</u>	STORM DRAIN LINE	48.09LIP-	39TC-1		12"INV/W)=45.73 -49.38C5	₹ <sup>4985C5</sup>	-50.2665	L_50.55C5
60	STORM DRAIN MANHOLE	k <sup>0</sup> 48.	04TC-11 18.51C5-1				TILENIAL S	645TC-STITIT
0	STORM DRAIN CLEANOUT	<b> </b>   4	8.16TC-	F−4856C	-49.2105 5	4963ĂĆ	49.98AC 5	50.24AC
≣	* DROP INLET	4	8.17L IP		ć	-4988TC -60.4 4966AC -5018	AC J AC	50.91TC 50.47AC 50.7A
<b>e</b>	* AREA DRAIN	JAU		E S	19.01TC/AC	10" 49.98AC		50.88TC
∘ <i>RWL</i>	* RAIN WATER LEADER	NOD	48.09C5 48.23TC 48.56TC		75AC 4951TC	51GN -50.13TC	8TC 50.72TC	12" 12"
° DS 12"55	* DOWNSPOUT * SANITARY SEWER LINE		48.11FL 48.16L1P	48.6	7C5 49.97 53TC 49.49.48A	105 AC	9AC 50.35AC 50.70TC 50.29AC	Dan Banco
12"55	(SIZE + DIRECTION OF FLOW) SANITARY SEWER   INF		48.59TC-	49	22AC 49.44	ATTC 1	50 AITC	مر بې بې 50.62 مېم کې مې
	RECORD INFORMATION		48.23LIP	12"	492	4AC 480	50.08AC 50.40TC	50.14AC - 50.35
	IUNDERGROUND LOCATINGI	NOT TAC	ý		ليل بيكر بيكريم	A	a AAC	made
0	SANITARY SEWER CLEANOUT			The star		A93AL ALAN	A CO	SOR
W	* WATER LINE (SIZE INDICATED)	!			the it is in	A9274 A985	20AC	191224
- — -W— —	* WATER LINE (RECORD INFORMATION)		48.30LIP- 48.65TC- 48.18FL 1	48	82C5 2 49.17A	146 A348AQ	4910	h hote
— — <i>W</i> — —	* WATER LINE (UNDERGROUND LOCAT)	INGI and	40.101 2	•	10"	Again and	MAC	4920C - 2010e
$\otimes$	* WATER MANHOLE	Nogor.			<u>ب</u> المر	And Alle Aller	AN,	asal albert
(W)	WATER METER S			247.6		NOLU ANT ANT PBIT	YPI STAC	N''
W	WATER BOX		48.71TC-		72446-1	And Land	N.W.	Agents 2000-10
0	* IRRIGATION CONTROL VALVE	į	48.28FL 48.35LIP	48.8	865	4940hs Asts	JASAC	and had
Q	FIRE HYDRANT	OPU			ur -	asser astrong	A	Aagan Sau
	* BACKFLOW PREVENTER P	11 <sub>0</sub> 0		1		Hede and	18AANU	rappy supply
Φ	= SPRINKLER = HOSE BIBB	ļ	يم ا	1	كظرر	A9500 AST	K."	n ser
_ ОН-Е—	* OVERHEAD ELECTRIC LINE		18 8 Tr		9615	3AC 50he Alber	188NU	50000 Jack
—Е—	* UNDERGROUND ELECTRIC LINE		48.39FL 48.41LIP-	14"		A aber about	k"	althe att
E	* UNDERGROUND ELECTRIC LINE Z	OTAL	2		کر ک <mark>ا</mark>	And And And	ARSAC	
— —E— —	* UNDERGROUND ELECTRIC LINE		Y		ككمر	Agente Agen	×	50.34AC 50 48TC
Ē	* ELECTRIC MANHOLE					able colore	danc	3344 JUN 7/CV
-0-	· UTILITY POLE (WITH GUY WIRE)	İ				APILS	-50.73TC 50.41AC	50.707C 50,44AC
EM	* ELECTRIC METER	i			49.30	AC 14950-93C5	50.94C5 50.72C5	- 10 3840 John 30
E	* ELECTRIC BOX	SAL C	48.93TC-2 48.48FL	-IC	50.61	50.41AC 50.84C5	-50.39A	TC/CS/ 2"
	* STREET LIGHTING BOX	Nº O'S'	48.58LIP			50.74C5 <u>300</u> 7		K-50.74TC
	SIGNAL LIGHT		40.0110	49	SIGN 04AC 5054	50.7ITC/C5-	50.30TC	50.40AC 11 50.75T/ 50
Œ	FLOOD LIGHT				50.26	AC 50.43AC	→	50.43AC -BOL
Ð	= ELECTRICAL OUTLET		48.7ITC-			TC		
— G—	GAS LINE (SIZE INDICATED)		48.68LIP	49	10C5 49.94	AC 50.92C5 51.11C5 50.44AC 50.59AC	5082AC, 5	-51,43C5 51,41C5 50,88AC 50,86AC
G	= GAS LINE IKECORD INFORMATION	7	18 78 7		17C5 50.24C	512865	6155 <sup>C2</sup>	00 450 TAIAE
G	GAS MANHOLE	21	4907TC- 4862FL		2805 51.08	ACS-Y	$-\frac{517005}{-51425}$	-5176C5
G	= GAS VALVE		-0	RIFE	30"	51.20C5 51.36C5	+ RWL FFE	51.80 / FFE=51.74 FI
GM	· GAS METER	Lo L			(Q <sup>A</sup>		-HB (SSCO	LGATEITYP.JOW.I.F.
— T —	* TELEPHONE LINE = TELEPHONE LINE RECORD INFORMAT				9 336.5	WALF.	RWL 51,336,5	
<i>t</i>	* TELEPHONE LINE INDERGROUND LO	CATINGI	48,78L1P- 49,15TC- 48,66FL		• <i>30</i> "	51,24C5		
50	= STORM DRAIN BOX		Ľ,		50 <sup>80</sup>		512 5160	€16°57′00" ₩ <b>₽\$\$₽</b> 87′30"E
TS	* TRAFFIC SIGNAL BOX		4930TC 4915TC- 48.67FL		49.3365		AEC 515	7184.85' 9185.52'
<u>EXIST</u>	ING TOPOGRAP	HY	7,L.F				a <u>F-</u> ∓€C031	м <b>н</b> , 12
	= PROPERTY LINE			AF	BRFVI	ATIONS		
	= CENTERLINE = EASEMENT			NO	TE: NOT ALL	ABBREVIATIONS MA	Ϋ́ ο	058511
$\Theta$	= PROPERTY CORNER FOUND	AS NOTED	P LET	22	BE USED	ON THESE PLANS.	, D DDC DF	DEPTH DOUBLE DETECTO DRINKING FOUNTAIL
ل ها23	= TEMPORARY BENCHMARK (SEE	TBM LIST I	FOR INFOI	AC ACC	ASPHALTIC ACCESSIE	C CONCRETE	DG DI	DECOMPOSED GRAI DROP INLET
	= SWALE OR DRAINAGE FLOW	/		ACU AD APN	AIR CONL AREA DR ASSESSOR	21TIONING UNIT AIN 'S PARCEL NUMBER	DIA DRWY DS	DIAMETER DRIVEWAY DOWNSPOUT
-	- PRAINAGE FLOW			APP BBA	APPARATU LL BASKETBA	S ALL POLE	DWG E	DRAWING ELECTRIC
xx		N		DCN BFP Bl	BACK FL	OW PREVENTER	EP ESMT FV	EDGE OF PAVEMEN EASEMENT ELECTRICAL VALUE
( .	) * IKEE ISIZE/TYPE INDICATED	1		BLC BOL	DG BUILDING BOLLARD		F FA	FIRE LINE FIRE ALARM
- <u>Y</u>	SLOPE			BOV BR. BWI	DLOW-OF BRICK BARBED	WIRE FENCE	FDC FFE FH	FIKE DEPARTMENT FINISHED FLOOR E FIRE HYDRANT
100 -	= CONTOUR			C C/L	COMMUNIC	ATION NE	FL FO	FLOWLINE FIBER OPTIC
	CONCRETE SURFACE			CAE CB	CABINET COMMUNIC	ATIONS BOX IRON PIPE	FP FS G	FLAGPOLE FIRE SERVICE GAS
	EDGE OF BUILDING			CL CL	CLASS CHAIN LII	VK FENCE	GB GR	GRADE BREAK GRATE
þ	= SIGN			CMP CO	COKRUGA CLEANOUT COLUMN	TED METAL PIPE	GRB GRD	GROUND ROD BOX GRADE ELEVATION GROUND ROD
4 9	= POST OR BOLLARD			CON	IC. CONCRETI D. CONDENS	E ATE	GV HB	GAS VALVE HOSE BIBB
99.9	# GROUND ELEVATION			CON	5T. CONSTRUC CONTROL	FOINT FOUND POINT SET	HBD HP	HEADER BOARD HIGH PRESSURE HANDEA!!
99.99	= HARD SURFACE ELEVATION			CS	CONCRET	E SURFACE	HVE	HIGH VOLTAGE EL

HIGH PRESSURE HANDRAIL HIGH VOLTAGE ELECTRIC

![](_page_17_Figure_3.jpeg)

T CONNECTION ELEVATION

**IDENTIFICATION STAMP** 

![](_page_18_Figure_0.jpeg)

![](_page_18_Picture_1.jpeg)

C0.3

11/17/2022

SHEET NO.

RVEY

S

TOPOGRAPHIC

PARTIAL

THE SHADED AREA **REPRESENTS THE** LIMITED SCOPE OF WORK AREA FOR THIS PROJECT. **CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL DEMOLITION AND NEW SITE IMPROVEMENTS** WITHIN THIS SHADED AREA **UNLESS NOTED OTHERWISE. SEE** ELECTRICAL, LANDSCAPE AND ARCHITECTURAL **DRAWINGS FOR** ADDITIONAL **INFORMATION AND ANY WORK SCOPE** THAT MAY OCCUR **OUTSIDE OF THIS IDENTIFIED WORK** SCOPE AREA. 

NOTE:

![](_page_19_Figure_1.jpeg)

#### DEMOLITION GENERAL NOTES

- 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE
- 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- 7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- 8. 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. REMOVE SLEEVE AND FOOTING. SEE PAVING PLAN FOR PATCH BACK.

11. REMOVE DRAIN INLET AND PIPING. SEE DRAINAGE PLAN FOR LIMITS.

![](_page_19_Picture_14.jpeg)

C1.1

![](_page_20_Figure_0.jpeg)

![](_page_20_Picture_1.jpeg)

![](_page_21_Figure_0.jpeg)

**IDENTIFICATION STAME** 

![](_page_22_Figure_0.jpeg)

#### ACCESSIBILITY NOTES:

- 1. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE
- ARCHITECTURAL SHEETS. 2. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM -0.0% SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS.
- 3. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT
- SHALL NOT EXCEED 1.8% IN ANY DIRECTION.
   TRANSITIONS BETWEEN ASPHALT AND CONCRETE SHALL BE FLUSH UNLESS SEPARATED BY CURB OR NOTED OTHERWISE.

#### GENERAL NOTES:

- AT LIMITS OF NEW CONCRETE ADJACENT TO LANDSCAPING PROVIDE A 4:1 MAXIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
- 2. ALL TRANSITIONS TO EXISTING PAVEMENT SHAL BE A SMOOTH AND LEVEL TRANSITION.
- 3. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING,
- ADJACENT, SIDEWALKS.
- 4. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.

GRADING NOTES 1. MATCH EXISTING GRADE. 2. PROPOSED SIDEWALK ELEVATION SHALL MEET FLUSH WITH EXISTING FINISH FLOOR. A16 3. CONSTRUCT SWALE. 4. GRADE UNIFORMLY TO SWALE AND/OR INLET. ADJUST EXISTING STRUCTURE TO FINISH GRADE. 5. CONSTRUCT CONCRETE CURB PER 6. 7. CONSTRUCT CONCRETE VALLEY GUTTER PER C5.1 8. CONSTRUCT ROLLED CURB PER PROVIDE 10' TRANSITIONS FROM VERTICAL TO ROLLED C5.1 CURB. 9. CONSTRUCT CURB OPENING PER C5.1 10. CONSTRUCT FLUSH CONCRETE CURB PER C5.1 11. CONSTRUCT GUTTER PER C5.1

12. PROVIDE 2:1 TRANSITION FROM VERTICAL CURB TO FLUSH.

- 13. CONSTRUCT SEAT WALL PER  $\begin{pmatrix} 5 \\ C5.2 \end{pmatrix}$
- 14. CONSTRUCT MOWSTRIP AT BASE OF FENCE PER  $\begin{pmatrix} 4 \\ C5.2 \end{pmatrix}$
- 15. CONSTRUCT BIOSWALE PER
- 16. CONSTRUCT DROP OFF PER
- 17. CONSTRUCT STAIRS PER  $\left( \begin{array}{c} 6 \\ C5.2 \end{array} \right)$

NG,

![](_page_22_Figure_20.jpeg)

![](_page_22_Picture_21.jpeg)

APP: 02-120455 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 01/12/2023 450 **(**) venue, Suit∈ ), CA 95825 .921.2112 21.2212 Howe Av cramento, one: 916.9 : 916.921 730 | Sacr Phor Fax: 1 **2** 1 HENRY Associate 0 0 LAKEW AN Ц GRADING MODERNIZATION ELEMENTARY SC PARTIAL CONSULTANT WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1870

**IDENTIFICATION STAMP** 

DIV. OF THE STATE ARCHITE

PROJECT NO. 21-32-52	REVISIONS	BY		
DATE 3/28/2022				
DRAWN ML/MG				
CHECKED MG				
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CADFILE				
UPDATED 11/17/2022				
SHEET NO.				
C2.2				

![](_page_23_Figure_0.jpeg)

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![](_page_24_Figure_0.jpeg)

FILENAME: I: \21-014\CIVIL\DWG\21-014 C3.1-C3.2.DWG

![](_page_25_Figure_0.jpeg)

NECESSARY TO ENSURE PROPER SEATING.

FILENAME: I: \21-014\CIVIL\DWG\21-014 C4.1-C4.2.DWG

![](_page_26_Figure_0.jpeg)

1	VING GENERAL NOTES:		Ο	PAVING LEGEN
	REFER TO ARCHITECTURAL PLANS FOR STRIPING LAYOUT.		1.	PLACE 3.5" AC OVE ON SUBGRADE PER
	ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.			
	REFER TO ARCHITECTURAL PLANS FOR CONTROL AND EXPANSION JOINTS, AND CONCRETE FINISH.		2.	PLACE 2.5" AC OVE ON SUBGRADE PER
	PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.		3.	PLACE 4" PCC WITH WAY OVER 4" MIN.
	SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.			SUBGRADE PER SPE
	SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;	۲ ۲ ۲ ۲ ۲ ۲	4.	PLACE 6" PCC WITH WAY OVER 6" MIN. SUBGRADE PER SPE
	CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%	4		
	DIRECTION OF TRAVEL — 4.9% RAMP IN DIRECTION OF TRAVEL — 8.0% PLAZA 1.9% — IN ANY DIRECTION		5.	PROVIDE 1.5" MIN. A PROVIDE MINIMUM S
	ALL EXPOSED ASPHALT EDGES SHALL HAVE HEADER BOARDS WHETHER SHOWN OR NOT.			

![](_page_27_Figure_0.jpeg)

![](_page_27_Figure_1.jpeg)

![](_page_27_Figure_2.jpeg)

![](_page_28_Figure_0.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_29_Figure_1.jpeg)

NOTES: PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT. 2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

![](_page_29_Figure_3.jpeg)

AC — PAVING

NOTES:

![](_page_29_Figure_6.jpeg)

![](_page_29_Picture_7.jpeg)

![](_page_29_Picture_8.jpeg)

![](_page_29_Picture_9.jpeg)

![](_page_29_Picture_10.jpeg)

FOR THE CONCRETE WALKS. 2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH

PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN

-#4 BAR CONTINUOUS 

4" MIN PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN

![](_page_29_Figure_15.jpeg)

![](_page_29_Figure_16.jpeg)

![](_page_29_Figure_17.jpeg)

![](_page_29_Figure_18.jpeg)

FILENAME: I: \21-014\CIVIL\DWG\21-014 C5.1-C5.2.DWG

![](_page_30_Figure_0.jpeg)

![](_page_30_Figure_1.jpeg)

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730 Howe Avenue, Suite 4 Sacramento, CA 95825 Phone: 916.921.2112 Fax: 916.921.2212

HENRY+ Associates Architects

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SEC<sup>-</sup>

AND

DETAILS

REVISIONS

![](_page_31_Figure_0.jpeg)

PHASE OF								ERO	SION AND	SEDIMENT CC	NTROL MEASU	JRES		
CONSTRUCTION	WET SEASON					WET & DRY SEASC								
	HYDRO- SEEDING	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGITATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIME BASII		EDIMEN TRAP
PRE-GRADING	Х	Х		Х			Х		N/A			N/A	1	N/A
CUT-FILL ACTIVITIES	Х	Х	Х	Х	Х	Х	Х			Х	Х			Х
UNDERGROUND WORK	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х			Х
STORM IMPROVEMENTS	Х		X	Х	Х	Х	Х	X		Х	Х			Х
CURB AND GUTTER	N/A		Х	Х	Х	Х	Х	Х		Х	Х			
STREET IMPROVEMENTS			Х	Х	Х	Х	Х	X		Х	Х			
PAVE OUT				Х	Х		Х	Х		Х	Х			
POST CONSTRUCTION			Х	Х	Х									
MAINTENANCE SCHEDULE														
DAILY*														
WEEKLY*		Х	Х		Х	Х		Х		Х	Х			
MONTHLY*					9									
BEFORE RAIN		Х	Х		Х	Х		Х		Х	Х			
DURING RAIN		Х	Х		Х	Х		Х		Х	Х			
AFTER RAIN		Х	Х		Х	Х		Х		Х	Х			
AS NEEDED				Х			Х		Ţ					
	DECTION					1.0014								-

\* = WHEN RAIN EVENT INSPECTIONS OCCURS. THEY MAY QUALIFY AS A DAILY. WEEKLY. OR MONTHLY INSPECTION AS APPLIES.

![](_page_31_Figure_4.jpeg)

![](_page_31_Figure_5.jpeg)

- OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
- 2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
- 3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

![](_page_31_Figure_9.jpeg)

- <u>LEGEND</u>
- (ē) (ī)

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-		

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ST	ĀG	E
1		>
/		-

MONITORING	SCHEDULE
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- WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT. . EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
- WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF
- RAIN OR MORE. A. RECORD THE TIME, DATE AND RAIN GAUGE READING
- OF ALL QUALIFYING RAIN EVENTS. 5. QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
- WEEKLY INSPECTIONS.

### **PROJECT INFORMATION**

PARCEL AREA	-	ACRES
TOTAL DISTURBED AREA	_	ACRES
S.W.P.P.P. REQUIRED?		NO

ANY CHANGES MADE TO THE SWPPP IN THE FIELD MUST BE SHOWN ON THE MAP. UPDATE MAP TO REFLECT CHANGES.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

STORM DRAINAGE OUTFALL BMP'S REFER TO PROTECT CONSTRUCTION PLAN DETAILS FOR SPECIFIC POST CONSTRUCTION BMP MEASURES AT OUTFALL STRUCTURES.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

![](_page_31_Figure_39.jpeg)

### ABBREVIATIONS

NOTE:	NOT	ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
AB		AGGREGATE BASE
		ASPHALTIC CONCRETE AREA DRAIN
APN		ASSESSOR'S PARCEL NUMBER
ARV		AIR RELEASE VALVE
BO		BLOW-OFF VALVE
BV		BUTTERFLY VALVE
вw С /I		CENTERLINE
ČВ		CATCH BASIN
CL		CLASS CORRUGATED METAL PIPE
CATV		CABLE TELEVISION
COMM CONC.		CONCRETE
CONST.		CONSTRUCT
CR CS		CONCRETE SURFACE
DC		DOUBLE CHECK VALVE
		DOUBLE DETECTOR CHECK VALVE DECOMPOSED GRANITE
DÎ		DROP INLET
DWG		DRAWING
DS		DOWNSPOUT
E EP		EDGE OF PAVEMENT
ESMT		EASEMENT
ex FS		FIRE SERVICE LINE
FDC		FIRE DEPARTMENT CONNECTION
FL FM		FLOWLINE SANITARY SEWER FORCE MAIN
FF		FINISHED FLOOR ELEVATION
FH G		FIRE HYDRANI GAS
ĞR		GRATE ELEVATION
GRD GV		GRADE ELEVATION GATE VALVE
HB		HOSE BIBB
HDPF		HEADER BOARD HIGH DENSITY POLYETHYLENE PIPE
HP		HIGH POINT
INV .IP		PIPE INVERT ELEVATION
LF		LINEAL FEET
LIP		LIP OF GUTTER
MS		MOWSTRIP
NTS OH		NOT TO SCALE OVERHEAD
PCC		PORTLAND CEMENT CONCRETE
PD PIV		PLANTER DRAIN POST INDICATOR VALVE
P/L		PROPERTY LINE
PP PI IF		POWER POLE PUBLIC LITUITY FASEMENT
PVC		POLYVINYL CHLORIDE
RCP R		REINFORCED CONCRETE PIPE
RIM		MANHOLE RIM ELEVATION (SOLID COVER)
RP RW		REDUCED PRESSURE BACKFLOW PREVENTER
SCH		SCHEDULE
SD SDMH		STORM DRAIN STORM DRAIN MANHOLF
SG		SUBGRADE ELEVATION
SS SSMH		SANITARY SEWER SANITARY SEWER MANHOLF
STD		STANDARD
S/W		
τc		TOP OF CURB
TDCB		TRENCH DRAIN TRENCH DRAIN CATCH BASIN
TP		TELEPHONE_POLE
TRW TSW		TOP OF RETAINING WALL
TW		TOP OF WALK ELEVATION
UC U		
ŬŎN		UNLESS OTHERWISE NOTED
VCP w		VITRIFIED CLAY PIPE WATER
W/_		WITH
W/O W\/		WITHOUT WATER VALVE

LEGEND	
NOTE: NOT ALL ITEMS	MAY BE USED ON THESE PLANS.
PROPOSED GRADING	& DRAINAGE SYMBOLS:
8" SD	STORM DRAIN LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)
<u>_</u>	CATCH BASIN (CB)
<b>_</b>	DROP INLET (DI)
<b>—</b>	AREA DRAIN (AD)
<b></b>	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
<b></b> CO	STORM DRAIN CLEANOUT
99.99	ELEVATION
FF=100.00	FINISHED FLOOR ELEVATION
PAD=99.33	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
$\longrightarrow$	DRAINAGE FLOW
$\longrightarrow$	SWALE
<b>T</b>	SLOPE
$\bigotimes$	TREE TO BE REMOVED

![](_page_32_Picture_3.jpeg)

# LAKEWOOD ELEMENTARY SCHOOL FRONTAGE IMPROVEMENTS

1100 N. HAM LANE LODI, CA 95242

![](_page_32_Picture_7.jpeg)

![](_page_32_Picture_8.jpeg)

# SHEET INDEX

022D018-01	COVER SHEET
022D018-02	GENERAL NOTES
022D018-03	IMPROVEMENT PLAN

# <u>NOTE:</u>

Ш Z

FIRE DEPARTMENT EMERGENCY ACCESS SHALL BE MAINTAINED DURING CONSTRUCTION.

A.P.N.			039-100-120
BENCHM	ARK NO.	1202	ELEV. <u>50.044</u>
NE COR E/ CL	NER TUF OF CURE	RNER RD. A RETURN, (	ND HAM LN., 14.8' 0.5' BEHIND BOC.

![](_page_32_Picture_14.jpeg)

![](_page_32_Picture_15.jpeg)

WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1870

~		g if this e 1 inch.	OF C		P	G			SAS S
1/2		ot scale drawin bes not measur	STORY -	D					
0		bar do							,
ΓE BΥ									
DAJ									
/ISION									
REV									
N									
DRAWN	MG	DATE		2-14-23	DATE				
DESIGN	MG	СНЕСКЕD	(M	סאכ	APPROVED				CITY ENGINEER RCE NO. 53149
HORIZONTAL SCALE	AS NOTED	VERTICAL SCALE		AN	ASBUILT	INSPECTOR	BY		
			のの語と			の、ごれて			
	CITY OF LUDI	PUBLIC WORKS DEPARTMENT	221 WEST PINE STREET	I ODI CALIFORNIA 05240	PHONE (209) 333-6706	FAX (209) 333-6710	E-MAIL pwdept@lodi.gov	WEB SITE www.lodi.cov	
	COVER SHEET				FRONTAGE IMPROVEMENTS	FOR	I AKEWOOD FI EMENTARY SCHOOL		

![](_page_32_Picture_18.jpeg)

022D018-01

AWING NO.

![](_page_33_Picture_0.jpeg)

	<u>GENERAL NOTES:</u>		
1.	WORK SHALL CONFORM TO CITY OF LODI PUBLIC IMPROVEMENT DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND STANDARD PLANS UNLESS SPECIFICALLY SHOWN OTHERWISE ON THESE PLANS.	28.	ALL SIT BUILDIN
2.	STANDARD PLANS APPLICABLE TO THIS PROJECT INCLUDE 114, 117, 119, 135 AND 406.	29.	A SOILS ALL SO THAT R
3.	CONSTRUCTION STAKING FOR CURB AND GUTTER, WASTE WATER LINES, STORM DRAINS, WATER LINES, STREET CENTERLINES, PAVING EDGES AND OTHER PUBLIC FACILITIES AS DIRECTED BY THE CITY SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.	30.	CONTR/ PRIOR
4.	CENTERLINE AND PROPERTY LINE DATA SHALL BE PROVIDED BY WARREN CONSULTING ENGINEERS FOR THIS PROJECT.	74	
5.	EXISTING UTILITIES SHALL BE PROTECTED . UTILITY AGENCIES SHALL BE NOTIFIED AND ALLOWED TO MARK THEIR UTILITIES IN THE FIELD AT LEAST 48 HOURS BEFORE EXCAVATION. COMPLETENESS AND ACCURACY OF EXISTING UTILITY LOCATIONS SHOWN IN THESE PLANS ARE NOT GUARANTEED. CALL "USA" (800) 227-2600.	51.	EXCESSIN COMPLET THE DAY
6.	STREET GRADING SHALL BE DONE BEFORE UNDERGROUND WORK.	32.	ALL CLE. PERIODS
7.	UNDERGROUND UTILITIES IN THE STREET AND SIDEWALK AREA SHALL BE INSTALLED BEFORE CONSTRUCTION OF CURB, GUTTER OR SIDEWALK. THESE UTILITIES INCLUDE SERVICES, FIRE	33.	ALL ARE OF DUST
	HYDRANT, LATERALS, STREET LIGHT CONDUIT, ELECTRIC, GAS, CABLE TV AND TELEPHONE LINES.	34.	STREETS WHICH M
8.	EXCAVATION SAFETY REQUIREMENTS INCLUDE SUBMITTING A CAL OSHA PERMIT OR LETTER OF NOTIFICATION TO THE CITY BEFORE COMMENCING EXCAVATIONS OVER FIVE FEET DEEP. REFER TO CITY CONSTRUCTION SPECIFICATION 6–19.04 "EXCAVATION SAFETY" FOR ADDITIONAL REQUIREMENTS	35.	THE ARE MINIMIZE
9.	ALL TESTING FOR LEAKAGE SHALL BE WITNESSED BY A CITY INSPECTOR.	36.	ALL MAT SECUREL
10.	BALLING AND CLEANING OF STORM DRAIN AND SANITARY SEWER SHALL BE DONE BEFORE INTERIOR VIDEO INSPECTION. UTILITIES SHALL BE KEPT CLEAN UNTIL CITY ACCEPTANCE.	37.	ALL INTE AND WEL
		38.	DUST CO ABOVE V SITE, AS BE INCL
		39.	ON-SITE
	ADDITIONAL CONSTRUCTION NOTES:	40.	ALL OPE
11.	A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, CITY INSPECTOR AND ALL UTILITY AGENCIES AT LEAST <u>ONE WEEK</u> PRIOR TO THE DATE OF THE MEETING. THE CONTRACTOR'S JOB SUPERINTENDENT, AND ALL MAJOR SUBCONTRACTORS SHALL ATTEND.	41.	WHEN CO SUFFICIE OCCUR A
12.	BEDDING FOR ALL PIPE LINES SHALL CONFORM TO CITY OF LODI STANDARD PLAN 501, 501—A, 501—B AND 501—C UNLESS OTHERWISE SHOWN. REFER TO TRENCH DETAILS — THIS SHEET.		WORTHING
13.	CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY FOR ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIEY AND HOLD THE OWNER AND THE ENGINEER	42.	EROSIO PROJEC TAKEN OWNER.
	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 THE ENGINEER.	43.	COST C THE ITE
14.	WATER USED IN ANY PHASE OF CONSTRUCTION, SUCH AS BACKFILL COMPACTION, DUST CONTROL, TESTING OR OTHER WORK HEREIN REQUIRED, SHALL BE INCLUDED IN THE UNIT PRICE OR LUMP SUM BID FOR THE RESPECTIVE ITEM OF CONSTRUCTION OR ITEMS OF WORK.	45	PROJEC
15.	ENGINEER SHALL SET ALL SURVEY CONTROLS AND CONSTRUCTION STAKES AS NECESSARY FOR COMPLETION OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY AND CONSTRUCTION STAKES. SURVEY AND CONSTRUCTION STAKES THAT ARE LOST OR DESTROYED DUE TO CONTRACTOR'S NEGLIGENCE WILL BE SET BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.	45. 46.	NO WEL SITE.
16.	CONTRACTOR SHALL GIVE ENGINEER A MINIMUM OF 48 HOURS NOTICE WHEN REQUESTING CONSTRUCTION STAKING.		ER
17.	TRAFFIC FLOW AND ACCESS ENTRYWAY SHALL BE MAINTAINED.	47.	NOTICE PRIOR
18.	PUBLIC ROADWAYS SHALL REMAIN OPEN AT ALL TIMES. TRAFFIC CONTROL PER CALTRANS TRAFFIC CONTROL MANUAL 1995. NO OPEN TRENCHES EXCEPT AT THE TIME OF WORK.	48.	REFERE
10	USE STEEL PLATES OR BACKFILL WITH A.C. CAP. ONE-WAY TRAFFIC REQUIRES FLAGGER PRESENT AT ALL TIMES. TRAFFIC CONTROL PLANS TO BE SUBMITTED TO THE CITY OF LODI PUBLIC WORKS DEPARTMENT.	49.	ALL CA WORK I BY THE
19.	CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO KEEP DUST TO A MINIMUM COST TO BE INCLUDED IN OTHER ITEMS OF WORK. SEE SHEET 004D015–11 FOR EROSION AND DUST CONTROL NOTES.	50.	COST C THE ITE
20.	EXISTING UTILITIES BEFORE THE START OF CONSTRUCTION.	51.	
21.	THE DEVELOPER IS RESPONSIBLE FOR REPLACEMENT OF MISSING AND DAMAGED FILTER SCREENS UNTIL PROJECT IS ACCEPTED. A ROUTINE MAINTENANCE SCHEDULE IS TO BE MAINTAINED. FILTER SCREENS SHALL BE SECURED TO THE CATCH BASINS DURING THIS PERIOD.		INSPEC
22.	ABANDONED IRRIGATION PIPES SHALL BE REMOVED.		
23.	WASTE WATER GENERATED BY CONCRETE WORK TO BE CAPTURED AND VACUUMED PRIOR TO ENTERING CITY STORM DRAIN SYSTEM.	1.	RE TRAFFIC
24.	THE CONTRACTOR SHALL PERFORM AT HIS EXPENSE ALL TESTS SPECIFIED OR REQUIRED BY THE CITY OF LODI QUALITY ASSURANCE PROGRAM TO ASSURE THAT CONSTRUCTION	2.	SUBMIT :
	PROJECTS ARE IN CONFORMANCE WITH THE CITY OF LODI CONSTRUCTION SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH ALL FACILITIES, LABOR AND MATERIALS REASONABLY REQUIRED FOR PERFORMING SAFE AND CONVENIENT TESTS AS ARE REQUIRED BY THE QUALITY ASSURANCE PROGRAM AND CONSTRUCTION SPECIFICATIONS. RESULTS OF THE TESTING PROCEDURES WILL BE PRESENTED TO THE CITY OF LODI PUBLIC WORKS INSPECTOR IN A TIMELY FASHION SO AS NOT TO DELAY THE CONTINUATION OF WORK. ANY SUCH DELAY SHALL SOLELY BE THE RESPONSIBILITY OF THE CONTRACTOR. AT COMPLETION OF CONSTRUCTION, A FINAL REPORT CONTAINING ALL TEST RESULTS PRESENTED IN AN ORDERLY MANNER SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. A COPY OF THE QUALITY ASSURANCE PROGRAM IS ON FILE IN THE CITY OF LODI PUBLIC WORKS	3.	STORM E CONTRAC LODI PRI

25. STREETS ADJACENT TO THE PROJECT SITE SHOULD BE SWEPT AS NEEDED TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES. DAILY IF NEEDED.

DEPARTMENT.

26. UTILITY PIPE HORIZONTAL AND VERTICAL CLEARANCES SHALL COMPLY WITH STATE HEALTH STANDARDS.

### **CLEARING AND GRADING NOTES:**

SITE VEGETATION, EXISTING TREES, STUMPS AND ETC. SHALL BE STRIPPED FROM DING AND PAVEMENT AREA.

OILS INVESTIGATION HAS BEEN PREPARED BY FILE NO. DATED . SOILS WORK WILL STRICTLY ADHERE TO RECOMMENDATIONS AND REQUIREMENTS WITHIN T REPORT.

TRACTOR TO REMOVE ANY SEDIMENTATION DEPOSITED ON EXISTING PAVED ROADWAYS R TO LEAVING THE SITE, IF POSSIBLE, AND IN ALL CASES WITHIN 24 HOURS.

### DUST CONTROL REQUIREMENTS:

ATERIAL EXCAVATED OR GRADED SHOULD BE SUFFICIENTLY WATERED TO PREVENT SIVE AMOUNT OF DUST. WATERING SHOULD OCCUR AT LEAST TWICE A DAY WITH LETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS DONE FOR DAY.

CLEARING, GRADING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE DURING DS OF HIGH WINDS GREATER THAN 20 MPH AVERAGE OVER ONE HOUR.

REAS WITH VEHICLE TRAFFIC SHOULD BE WATERED PERIODICALLY FOR STABILIZATION JST EMISSIONS.

TS ADJACENT TO THE PROJECT SITE SHOULD BE SWEPT AS NEEDED TO REMOVE SILT MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES.

AREA DISTURBED BY CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHOULD BE ZED AT ALL TIMES.

ATERIAL TRANSPORTED ON OR OFF-SITE SHALL EITHER BE SUFFICIENTLY WATERED OR RELY COVERED TO PREVENT EXCESSIVE AMOUNT OF DUST.

NTERNAL COMBUSTION ENGINE DRIVEN EQUIPMENT SHOULD BE PROPERLY MAINTAINED WELL TUNED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

CONTROL IS THE CONTRACTORS SOLE RESPONSIBILITY WHEN WORKING ON-SITE. THE E WORK SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL ALSO WATER THE AS AN EXTRA, WHEN REQUESTED BY THE CITY OR THE OWNER. STOCKPILE AREA TO CLUDED UNDER BID DUST CONTROL.

ITE VEHICLE SPEEDS SHALL BE LIMITED TO 15 MPH.

PERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY D AIR POLLUTION CONTROL DISTRICT.

CONDITIONS ARE DRY, ALL MATERIAL EXCAVATED OR GRADED SHOULD BE CIENTLY WATERED TO PREVENT EXCESSIVE AMOUNT OF DUST. WATERING SHOULD R AT LEAST TWICE A DAY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE ING AND AFTER WORK IS DONE FOR THE DAY.

### WINTERIZATION NOTES:

SION CONTROL. ALL CATCH BASINS SHALL BE SEALED UNTIL THE COMPLETION OF THE JECT. IF SITE WORK EXTENDS INTO THE RAINY SEASON, OTHER MEASURES MAY BE EN AS REQUIRED BY THE CITY AND ARCHITECT AT NO ADDITIONAL COST TO THE ER. ALL STORM DRAINAGE TRAPS SHALL BE CLEANED PRIOR TO ACCEPTANCE.

T OF EROSION CONTROL AND OTHER ITEMS OF WINTERIZATION SHALL BE INCLUDED IN ITEM ENTITLED "EROSION CONTROL AND WINTERIZATION".

TRACTOR WILL BE REQUIRED TO CLEAN EXISTING STORM DRAIN DOWNSTREAM OF THIS JECT AS NECESSARY. DETERMINE EXISTING CONDITION WITH CITY INSPECTOR PRIOR TO STRUCTION.

TRACTOR SHALL REMOVE ANY IRRIGATION LINES ENCOUNTERED.

WELLS, SEPTIC TANKS OR OTHER UNDERGROUND TANKS ARE KNOWN TO EXIST ON THIS

### EROSION AND SEDIMENT CONTROL NOTES:

ICE OF INTENT (NOI) FOR STATE GENERAL NPDES CONSTRUCTION PERMIT IS REQUIRED OR TO SITE WORK.

ERENCE WDID #\_\_\_\_\_

CATCH BASINS SHALL BE SEALED UNTIL THE COMPLETION OF THE PROJECT. IF SITE K EXTENDS INTO THE RAINY SEASON, OTHER MEASURES MAY BE TAKEN AS REQUIRED THE CITY AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. ALL STORM INAGE TRAPS SHALL BE CLEANED PRIOR TO ACCEPTANCE.

T OF EROSION CONTROL AND OTHER ITEMS OF WINTERIZATION SHALL BE INCLUDED IN ITEM ENTITLED "EROSION CONTROL AND WINTERIZATION"

TRACTOR WILL BE REQUIRED TO CLEAN EXISTING STORM DRAIN DOWNSTREAM OF THIS JECT AS NECESSARY. DETERMINE EXISTING CONDITION WITH ENGINEER AND CITY PECTOR PRIOR TO CONSTRUCTION. PUMPED WATER TO BE DISCHARGED TO THE SOUTH.

### REQUIRED CITY SUBMITTALS

FIC CONTROL PLAN.

IT SURVEY MONUMENT PRESERVATION PAPERWORK PRIOR TO PUBLIC IMPROVEMENT ACCEPTANCE BY CITY COUNCIL.

M DRAIN PIPE MATERIALS SHALL BE AS PER THE CITY OF LODI DESIGN STANDARDS. RACTOR SHALL SUBMIT FOR APPROVAL ALL STORM DRAIN MATERIALS TO THE CITY OF PRIOR TO THE START OF CONSTRUCTION.

![](_page_33_Picture_36.jpeg)

![](_page_33_Picture_37.jpeg)

WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1870

MG	DATE	0 7 7 0	2-14-23	DATE				
MG	CHECKED	(14	DM	APPROVED				CITY ENGINEER RCE NO 53149
AS NOTED	VERTICAL SCALE		NA	ASBUILT	INSPECTOR	BY	PROJECT NUMBER	
CITY OF LODI	PUBLIC WORKS DEPARTMENT	221 WEST PINE STREET	I ODI CATTEORNIA 95240	PHONE (209) 333-6706	FAX (209) 333-6710	E-MAIL pwdept@lodi.gov	WEB SITE www.lodi.gov	)
GENERAL NOTES				FRUIN LAGE LINITAU VENIELN LO	FOR	I AKEWOOD EI EMENTARY SCHOOL		

2-14-23 PLAN SET 022D018

02

VING NO.

022D018-02

![](_page_34_Figure_0.jpeg)

![](_page_35_Figure_0.jpeg)

![](_page_35_Figure_2.jpeg)

PARKING LOT SHADING (50% WITHIN 15 YEARS)							
TREES	100%	75%	50%	25%			
35'	3 (962) = 2,886 S.F.	2 (722) =1,444 S.F.	7 (481) = 3,367 S.F.	0 (240) = X S.F.			
30'	0 (706) = X S.F.	0 (530) = X S.F.	0 (354) = X S.F.	0 (177) = X S.F.			
25'	0 (491) = X S.F.	1 (368) = 368 S.F.	5 (246) = 1,230 S.F.	0 (123) = X S.F.			
20'	0 (314) = X S.F.	0 (236) = X S.F.	0 (157) = X S.F.	0 (79) = X S.F.			
SUB-TOTALS	2,886 S.F.	1,812 S.F.	4,597 S.F.	0 S.F.			
TOTAL PARKING LOT AREA = 17,99	8 S.F. (8,999 S.F. NEEDED)						
TOTAL SHADED AREA = 9,295 S.F.							
PERCENTAGE OF SHADE = 51.6%							

HARDSCAPE SHADING (20% WITHIN 15 YEARS)								
TREES	100%	75%	50%	25%				
35'	0 (962) = X S.F.	4 (722) = 2,888 S.F.	0 (481) = X S.F.	0 (240) = X S.F.				
30'	0 (706) = X S.F.	0 (530) = X S.F.	0 (354) = X S.F.	0 (177) = X S.F.				
25'	0 (491) = X S.F.	0 (368) = X S.F.	0 (246) = X S.F.	0 (123) = X S.F.				
20'	2 (314) = 628 S.F.	0 (236) = X S.F.	0 (157) = X S.F.	0 (79) = X S.F.				
SUB-TOTALS	628 S.F.	2,888 S.F.	0 S.F.	0 S.F.				
TOTAL PAVED AREA = 8,100 S.F. (1,	620 S.F. NEEDED)							
TOTAL SHADED AREA = 3,516 S.F.								
PERCENTAGE OF SHADE = 43.4%								

LANDSCAPE SHADING (20 % WITHIN 15 TEARS)								
TREES	100%	75%	50%	25%				
30'	16 (707) = 11,312 S.F.	00 (530) = 0000 S.F.	00 (354) = 0000 S.F.	00 (177) = 0000 S.F.				
20'	8 (314) = 2,512 S.F.	00 (236) = 0000 S.F.	00 (157) = 0000 S.F.	00 ( 79) = 0000 S.F.				
SUB-TOTALS	13,824 S.F.	0 S.F.	0 S.F.	0000 S.F				
LANDSCAPE AREA = 12,821 S.F. (2,	564 S.F. NEEDED)							
TOTAL SHADED AREA = 13,824 S.F.								
PERCENTAGE OF SHADE = 107.8%								

# TREE SHADING LEGEND

TREES - NOT ALL SYMBOLS SHOWN WITH TREE SHADING CANOPY PERCENTAGE NOTE: COORDINATE UTILITY LINE LOCATIONS WITH TREE PLACEMENTS

- SHADE PERCENTAGE: PARKING - SHADE PERCENTAGE: HARDSCAPE - SHADE PERCENTAGE: LANDSCAPE

AREA USED AS 'TOTAL PARKING AREA'

AREA USED AS 'TOTAL HARDSCAPE AREA'

AREA USED AS 'TOTAL LANDSCAPE AREA'

![](_page_35_Figure_12.jpeg)

![](_page_35_Figure_13.jpeg)

![](_page_36_Figure_0.jpeg)

![](_page_36_Figure_1.jpeg)

886 S.F.	2 (722) =1,444 S.F.	7(481) = 3.367 S.F	
			0 (240) = X S.F.
= X S.F.	0 (530) = X S.F.	0 (354) = X S.F.	0 (177) = X S.F.
= X S.F.	1 (368) = 368 S.F.	5 (246) = 1,230 S.F.	0 (123) = X S.F.
= X S.F.	0 (236) = X S.F.	0 (157) = X S.F.	0 (79) = X S.F.
886 S.F.	1,812 S.F.	4,597 S.F.	0 S.F.
886 S	.F.	.F. 1,812 S.F.	.F. 1,812 S.F. 4,597 S.F.

HARDSCAPE SHADING (20% WITHIN 15 YEARS)								
TREES	100%	75%	50%	25%				
35'	0 (962) = X S.F.	4 (722) = 2,888 S.F.	0 (481) = X S.F.	0 (240) = X S.F.				
30'	0 (706) = X S.F.	0 (530) = X S.F.	0 (354) = X S.F.	0 (177) = X S.F.				
25'	0 (491) = X S.F.	0 (368) = X S.F.	0 (246) = X S.F.	0 (123) = X S.F.				
20'	2 (314) = 628 S.F.	0 (236) = X S.F.	0 (157) = X S.F.	0 (79) = X S.F.				
SUB-TOTALS	628 S.F.	2,888 S.F.	0 S.F.	0 S.F.				
TOTAL PAVED AREA = 8,100 S.F. (	1,620 S.F. NEEDED)							
TOTAL SHADED AREA = 3,516 S.F.								
PERCENTAGE OF SHADE = 43.4%								

LANDSCAPE SHADING (20% WITHIN 15 YEARS)							
TREES	100%	75%	50%	25%			
30'	16 (707) = 11,312 S.F.	00 (530) = 0000 S.F.	00 (354) = 0000 S.F.	00 (177) = 0000 S.F.			
20'	8 (314) = 2,512 S.F.	00 (236) = 0000 S.F.	00 (157) = 0000 S.F.	00 ( 79) = 0000 S.F.			
SUB-TOTALS	13,824 S.F.	0 S.F.	0 S.F.	0000 S.F			
LANDSCAPE AREA = 12,821 S.F. (2	,564 S.F. NEEDED)						
TOTAL SHADED AREA = 13,824 S.F.							
PERCENTAGE OF SHADE = 107.8%							

# TREE SHADING LEGEND

TREES - NOT ALL SYMBOLS SHOWN WITH TREE SHADING CANOPY PERCENTAGE NOTE: COORDINATE UTILITY LINE LOCATIONS WITH TREE PLACEMENTS

- SHADE PERCENTAGE: PARKING - SHADE PERCENTAGE: HARDSCAPE - SHADE PERCENTAGE: LANDSCAPE

AREA USED AS 'TOTAL PARKING AREA'

AREA USED AS 'TOTAL HARDSCAPE AREA'

AREA USED AS 'TOTAL LANDSCAPE AREA'

![](_page_36_Figure_11.jpeg)

![](_page_36_Figure_12.jpeg)

![](_page_37_Figure_0.jpeg)

![](_page_37_Figure_2.jpeg)

SIZE	QTY.	KEY	BOTANICAL NAME COMMON NAME	WATER USE
			TREES:	
24" BOX 24" BOX 24" BOX 24" BOX 24" BOX 24" BOX	6 2 5 8 4 4	ACE. CER. GIN. PIS. QUE. ULM.	ACER BUERGERANIUM TRIDENT MAPLE CERCIS CANADENSIS VAR. TEXENSIS TEXAS REDBUD GINKGO BILOBA 'PRINCETON SENTRY' PRINCETON SENTRY GINKGO (NON-FRUITING) PISTACIA CHINENSIS 'KEITH DAVEY' CHINESE PISTACHE (NON-FRUITING) QUERCUS ILEX HOLLY OAK ULMUS PARVIFOLIA 'TRUE GREEN' TRUE GREEN CHINESE ELM	MEDIUM LOW MEDIUM LOW LOW MEDIUM

# GENERAL LANDSCAPE REQUIREMENTS/NOTES

- LANDSCAPE PLAN.

WITHIN CONTRACT LIMITS.

### PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS. EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER

CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

# PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SOIL PERCOLATION

# PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

### EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

# LANDSCAPE LEGEND

**TREES - NOT ALL SYMBOLS SHOWN** 

### EXISTING TREE TO REMAIN

**EXISTING TREE PROTECTION AREA** SEE TREE PROTECTION DETAILS L4.1-1 AND L4.1-2 FOR OPERATIONS UNDERNEATH TREE DRIP LINES. SEE TREE PROTECTION SPECIFICATIONS.

CONTRACTOR TO IRRIGATE ALL TREES BY HAND DURING CONSTRUCTION PROCESS

ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS

SEE DETAIL L4.1-4 PLANT QUANTITY

PLANT KEY

CONCRETE MOWSTRIP SEE DETAIL L4.1-8

### TREE MATERIAL LIST

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.

2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.

3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON

4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.

5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

#### **ENVIRONMENTAL REQUIREMENTS:**

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING

WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

EXCAVATE TREE PITS. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

![](_page_37_Figure_48.jpeg)

![](_page_37_Picture_50.jpeg)

![](_page_38_Figure_0.jpeg)

![](_page_38_Figure_1.jpeg)

SIZE	QTY.	KEY	BOTANICAL NAME COMMON NAME	WATER USE
			TREES:	
24" BOX 24" BOX 24" BOX 24" BOX 24" BOX 24" BOX 24" BOX	6 2 5 8 4 4	ACE. CER. GIN. PIS. QUE. ULM.	ACER BUERGERANIUM TRIDENT MAPLE CERCIS CANADENSIS VAR. TEXENSIS TEXAS REDBUD GINKGO BILOBA 'PRINCETON SENTRY' PRINCETON SENTRY GINKGO (NON-FRUITING) PISTACIA CHINENSIS 'KEITH DAVEY' CHINESE PISTACHE (NON-FRUITING) QUERCUS ILEX HOLLY OAK ULMUS PARVIFOLIA 'TRUE GREEN' TRUE GREEN CHINESE ELM	MEDIUM LOW MEDIUM LOW MEDIUM

# **GENERAL LANDSCAPE REQUIREMENTS/NOTES**

- LANDSCAPE PLAN.

- ENVIRONMENTAL REQUIREMENTS:

WITHIN CONTRACT LIMITS.

### **PROTECTION:**

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

BEFORE STARTING WORK.

# PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SOIL PERCOLATION

# PLANT MATERIAL STANDARDS

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# LANDSCAPE LEGEND

**TREES - NOT ALL SYMBOLS SHOWN** 

### EXISTING TREE TO REMAIN

**EXISTING TREE PROTECTION AREA** SEE TREE PROTECTION DETAILS L4.1-1 AND L4.1-2 FOR OPERATIONS UNDERNEATH TREE DRIP LINES. SEE TREE PROTECTION SPECIFICATIONS.

CONTRACTOR TO IRRIGATE ALL TREES BY HAND DURING CONSTRUCTION PROCESS

ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS

SEE DETAIL L4.1-4 PLANT QUANTITY

PLANT KEY

CONCRETE MOWSTRIP SEE DETAIL L4.1-8

### TREE MATERIAL LIST

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.

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3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON

4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.

5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

#### EXCAVATE TREE PITS. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

![](_page_38_Picture_44.jpeg)

![](_page_38_Picture_46.jpeg)

![](_page_39_Figure_0.jpeg)

\$ NOTE:
E THE SHADED AREA
<pre>{ REPRESENTS THE LIMITED }</pre>
<b>\$ SCOPE OF WORK AREA</b>
د FOR THIS PROJECT.
{ CONTRACTOR IS }
Example Responsible For
ک PROVIDING ALL
د DEMOLITION AND NEW
<b>E SITE IMPROVEMENTS</b>
E WITHIN THIS SHADED
¿ AREA UNLESS NOTED3
¿ OTHERWISE. SEE
ELECTRICAL, CIVIL AND
<b>ARCHITECTURAL</b>
E DRAWINGS FOR
¿ ADDITIONAL 3
<b>EINFORMATION AND ANY</b>
WORK SCOPE THAT MAY
E OCCUR OUTSIDE OF THIS
¿ IDENTIFIED WORK SCOPE 3
¿ AREA.3
(minimum)

ER	SIZE	QUANTITY	KEY	BOTANICAL NAME COM
UUL				SHRUBS:
LOW LOW LOW LOW LOW LOW LOW LOW LOW LOW	5 G.C. 1 G.C. 5 G.C. 5 G.C. 1 G.C. 5 G.C. 1 G.C. 1 G.C. 5 G.C. 5 G.C. 5 G.C. 5 G.C. 5 G.C. 1 G.C. 1 G.C.	36 48 28 30 34 56 53 130 30 53 8 12 15 31 10 75	ACA. ACH. ANI. ASP. BUL. CIS. DIA. DIE. EUO. NAN. LAV. PER. PHO. RHA. ROS. TEU.	ACACIA COGNATA 'COUSIN ITT' ACHILLEA MILLEFOLIUM 'SONOMA ( ANIGOZANTHOS 'YELLOW GEM' ASPIDISTRA ELATIOR CAST IROI BULBINE FRUTESCENS 'HALLMARK' CISTUS HYBRIDUS 'MICKIE' MICK DIANELLA REVOLUTA 'CLARITY BLU DIETES GRANDIFLORA 'VARIEGATA' EUONYMUS FORTUNEI 'EMERALD ( NANDINA DOMESTICA 'OBSESSION' LAVANDULA X GINGINSII 'GOODWIN PEROVSKIA ATRIPLICIFOLIA RUS PHORMIUM 'EVENING GLOW' EV RHAMNUS CALIFORNICA 'MOUND S ROSA 'MEISENTMIL' LEMON DRII TEUCRIUM CHAMAEDRYS WALL
				GROUNDCOVER:
LOW LOW	5 G.C. 5 G.C.	27 145	ARC. WES.	ARCSTOSTAPHYLOS 'EMERALD CAF WESTRINGIA FRUTICOSA 'MUNDI'
				ORNAMENTAL GRASSES:
LOW LOW LOW	1 G.C. 1 G.C. 5 G.C.	24 94 12	BOU. FES. MUH.	BOUTELOUA GRACILIS 'BLONDE AM FESTUCA GLAUCA 'ELIJAH BLUE' MUHLENBERGIA RIGENS DEER (
				<b>BIO-RETENTION PLANTING</b>
LOW LOW MEDIUM	5 G.C. 5 G.C. 5 G.C.	42 36 28	CAR. CHO. JUN.	CAREX DIVULSA EUROPEAN GR. CHONDROPETALUM TECTORUM JUNCUS PATENS CALIFORNIA G

![](_page_39_Figure_4.jpeg)

# GENERAL LANDSCAPE REQUIREMENTS/NOTES

- COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- LANDSCAPE PLAN.
- 5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS: WITHIN CONTRACT LIMITS.

### **PROTECTION:**

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

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BEFORE STARTING WORK.

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

### SOIL PERCOLATION

EXCAVATE TREE PITS. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

### PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

# LANDSCAPE LEGEND

TREES - NOT ALL SYMBOLS SHOWN

EXISTING TREE TO REMAIN

LAWN (SOD)

BARK MULCH ONLY

EXISTING LANDSCAPE REPAIR AREA (SOD, MINIMUM 24" WIDTH) MINIMUM REPAIR AREA SHOWN. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL AREA DAMAGED DUE TO CONSTRUCTION ACTIVITIES. SEE DETAIL L4.1-7

EXISTING LANDSCAPE AREAS TO REMAIN EXISTING LANDSCAPE TO BE REPAIRED AS NEEDED DUE TO CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR HAND WATERING EXISTING LANDSCAPE FOR THE DURATION OF CONSTRUCTION.

**BIO-RETENTION PLANTER** SEE CIVIL DRAWINGS

- PLANT QUANTITY

PLANT KEY

CONCRETE SEATWALL 18" WIDE, 18" TALL

COLOR: NO COLOR SEE CIVIL DRAWINGS

PRE-MANUFACTURED BACKLESS ALUMINUM BENCH SEE ARCHITECTURAL DRAWINGS

EXISTING RELOCATED MEMORIAL BENCH, ANIMAL BENCH,

CONTRACTOR TO SALVAGE BEFORE DEMOLITION. COORDINATE EXACT LOCATION AND PLACEMENT WITH OWNER CONCRETE MOWSTRIP

SEE DETAIL L4.1-8

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.

2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN

3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON

4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING

AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE

### PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

### EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

![](_page_39_Picture_55.jpeg)

![](_page_39_Picture_57.jpeg)

![](_page_40_Figure_0.jpeg)

#### NOTE:

THE SHADED AREA **REPRESENTS THE LIMITED SCOPE OF WORK AREA FOR** THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR **PROVIDING ALL DEMOLITION** AND NEW SITE IMPROVEMENTS WITHIN THIS SHADED AREA **UNLESS NOTED OTHERWISE.** SEE ELECTRICAL, CIVIL AND **ARCHITECTURAL DRAWINGS** FOR ADDITIONAL **INFORMATION AND ANY WORK SCOPE THAT MAY OCCUR OUTSIDE OF THIS IDENTIFIED** WORK SCOPE AREA. 

### PLANT MATERIAL LIST

WATER USE	SIZE	QUANTITY	KEY	BOTANICAL NAME COMMON NAME
				SHRUBS:
LOW LOW LOW LOW LOW LOW LOW LOW LOW LOW	5 G.C. 1 G.C. 5 G.C. 5 G.C. 1 G.C. 1 G.C. 1 G.C. 1 G.C. 1 G.C. 5 G.C. 5 G.C. 5 G.C. 5 G.C. 1 G.C.	36 48 28 30 34 56 53 130 30 53 8 12 15 31 10 75	ACA. ACH. ANI. ASP. BUL. CIS. DIA. DIE. EUO. NAN. LAV. PER. PHO. RHA. ROS. TEU.	ACACIA COGNATA 'COUSIN ITT' COUSIN ITT ACACIA ACHILLEA MILLEFOLIUM 'SONOMA COAST' SONOMA COAST YARROW ANIGOZANTHOS 'YELLOW GEM' YELLOW GEM KANGAROO PAW ASPIDISTRA ELATIOR CAST IRON PLANT BULBINE FRUTESCENS 'HALLMARK' ORANGE STALKED BULBINE CISTUS HYBRIDUS 'MICKIE' MICKIE ROCKROSE DIANELLA REVOLUTA 'CLARITY BLUE' CLARITY BLUE DIANELLA DIETES GRANDIFLORA 'VARIEGATA' STRIPED FORTNIGHT LILY EUONYMUS FORTUNEI 'EMERALD GAIETY' EMERALD GAIETY WINTERCREEPER NANDINA DOMESTICA 'OBSESSION' OBSESSION HEAVENLY BAMBOO LAVANDULA X GINGINSII 'GOODWIN CREEK GRAY' GOODWIN CREEK LAVENDER PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE PHORMIUM 'EVENING GLOW' EVENING GLOW PHORMIUM RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' SAN BRUNO COFFEEBERRY ROSA 'MEISENTMIL' LEMON DRIFT CARPET ROSE TEUCRIUM CHAMAEDRYS WALL GERMANDER
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LOW LOW	5 G.C. 5 G.C.	27 145	ARC. WES.	ARCSTOSTAPHYLOS 'EMERALD CARPET' EMERALD CARPET MANZANITA WESTRINGIA FRUTICOSA 'MUNDI' MUNDI WESTRINGIA
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LOW LOW LOW	1 G.C. 1 G.C. 5 G.C.	24 94 12	BOU. FES. MUH.	BOUTELOUA GRACILIS 'BLONDE AMBITION' BLONDE AMBITION GRAMMA GRASS FESTUCA GLAUCA 'ELIJAH BLUE' ELIJAH BLUE FESCUE MUHLENBERGIA RIGENS DEER GRASS
				BIO-RETENTION PLANTING
LOW LOW MEDIUM	5 G.C. 5 G.C. 5 G.C.	42 36 28	CAR. CHO. JUN.	CAREX DIVULSA EUROPEAN GRAY SEDGE CHONDROPETALUM TECTORUM SMALL CAPE RUSH JUNCUS PATENS CALIFORNIA GRAY RUSH

![](_page_40_Picture_6.jpeg)

# GENERAL LANDSCAPE REQUIREMENTS/NOTES

- COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- LANDSCAPE PLAN.

5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS. **ENVIRONMENTAL REQUIREMENTS:** GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

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### PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

# LANDSCAPE LEGEND

TREES - NOT ALL SYMBOLS SHOWN

EXISTING TREE TO REMAIN

LAWN (SOD)

BARK MULCH ONLY

EXISTING LANDSCAPE REPAIR AREA (SOD, MINIMUM 24" WIDTH) MINIMUM REPAIR AREA SHOWN. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL AREÁ DAMAGED DUE TO CONSTRUCTION ACTIVITIES. SEE DETAIL L4.1-7

EXISTING LANDSCAPE AREAS TO REMAIN EXISTING LANDSCAPE TO BE REPAIRED AS NEEDED DUE TO CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR HAND WATERING EXISTING LANDSCAPE FOR THE DURATION OF CONSTRUCTION.

**BIO-RETENTION PLANTER** SEE CIVIL DRAWINGS

PLANT QUANTITY

- PLANT KEY

CONCRETE SEATWALL 18" WIDE, 18" TALL

COLOR: NO COLOR SEE CIVIL DRAWINGS

PRE-MANUFACTURED BACKLESS ALUMINUM BENCH SEE ARCHITECTURAL DRAWINGS

EXISTING RELOCATED MEMORIAL BENCH, ANIMAL BENCH,

CONTRACTOR TO SALVAGE BEFORE DEMOLITION. COORDINATE EXACT LOCATION AND PLACEMENT WITH OWNER CONCRETE MOWSTRIP

SEE DETAIL L4.1-8

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.

2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN

3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON

4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE

### EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

![](_page_40_Picture_55.jpeg)

![](_page_40_Picture_57.jpeg)

![](_page_41_Figure_0.jpeg)

- 11. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
- 12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
- 13. FOR SPRINKLER IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.2.

# SPRINKLER IRRIGATION LEGEND

RAINBIRD: ESP-12LXMEF, 12-STATION CONTROLLER WITH FLOW SMART MODULE, IQ COMMUNICATION CARTRIDGE, AND LXMMPED STAINLESS STEEL CABINET AND PEDESTAL. COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.

STATIC WATER PRESSURE PRIOR TO WATER METER: 55 PSI THIS IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 40 PSI

CONTRACTOR SHALL LOCATE EXISTING 2.5" BACKFLOW PREVENTION DEVICE INDICATED ON CIVIL SHEETS. CONNECT UPSTREAM AND EXTEND AS INDICATED ON DRAWINGS.

DESIGN PRESSURE SHOWN ON PLANS IS BASED ON FLOW INFORMATION RECEIVED FROM THE DISTRICT ON 8/24/22. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.

NIBCO NO T-113 WITH A NON-RISING STEM AND HANDWHEEL.

GATE VALVE INSTALLLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE

### MASTER VALVE ASSEMBLY:

) FLOW SENSOR = BADGER 200SS, 2.5" SIZE INSERT IN SADDLE. MASTER VALVE = 2.5" NORMALLY CLOSED GRISWOLD #2000M.

TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRE IN 1" CONDUIT.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE: WILKINS MODEL NO. 975XL 1" SIZE. PROVIDE CONCRETE SLAB AND ENCLOSURE PIPE STAND, AND ALL INCIDENTAL WORK. COORDINATE EXACT LOCATION IN FIELD.

#### EXISTING MAIN LINE TO REMAIN:

ASTM D1785, PVC SCHEDULE 40.

#### IN PLANTED AREAS: 24" MINIMUM COVER.

UNDER PAVED AREAS: 24" MINIMUM COVER. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

ASTM D1785, PVC SCHEDULE 40, SOLVENT WELD ALL UNSIZED PIPE SHALL BE 3/4" SIZE.

POP-UP SPRAY HEADS - 12" MINIMUM COVER. BUBBLER HEADS: - 12" MINIMUM COVER.

UNDER PAVED AREAS: 24" MINIMUM COVER. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

RAINBIRD 44NP OR APPROVED EQUAL VALVES SHALL HAVE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

### AUTOMATIC CONTROL VALVE:

VALVE SHALL HAVE PRESSURE REGULATION OPTION FOR FLOW RANGES OF 6 GPM AND ABOVE.

#### SHRUB POP-UP SPRAY HEADS:

RAINBIRD: RD-06-S-P-45 SERIES BODY WITH RAINBIRD HE-VAN 10 SERIES NOZZLES.

SHRUB POP-UP SPRAY HEADS:

RAINBIRD: RD-06-S-P-45 SERIES BODY WITH RAINBIRD HE-VAN 12 SERIES NOZZLES.

### TREE BUBBLER HEADS (TWO PER SYMBOL):

RAINBIRD: RWS-M-B-C-1401 WITH INLINE CHECK VALVE

#### RAINBIRD CONTROL ZONE KIT MODEL XCZ-100-PRB-COM

EMITTER TO BE RAINBIRD XBT-20-6 (2 GPH) WITH PC DIFFUSER CAP AND IPS FLEXIBLE PVC TUBING.

IPS TUBING TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE. EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL L4.2-6 FOR INSTALLATION.

PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN. UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES

ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT. - LIMITS OF SHRUB BUBBLER PLACEMENT

#### INDICATES CONTROL VALVE AND STATION NUMBER

### INDICATES CONTROL VALVE SIZE

INDICATES GALLONS PER MINUTE

#### **EXISTING IRRIGATION REPAIR AREA:**

![](_page_41_Picture_57.jpeg)

![](_page_41_Figure_58.jpeg)

![](_page_42_Figure_0.jpeg)

<sup>10.</sup> PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.

12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.

13. FOR SPRINKLER IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.2.

# SPRINKLER IRRIGATION LEGEND

RAINBIRD: ESP-12LXMEF, 12-STATION CONTROLLER WITH FLOW SMART MODULE, IQ COMMUNICATION CARTRIDGE, AND LXMMPED STAINLESS STEEL CABINET AND PEDESTAL. COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.

STATIC WATER PRESSURE PRIOR TO WATER METER: 55 PSI THIS IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 40 PSI

CONTRACTOR SHALL LOCATE EXISTING 2.5" BACKFLOW PREVENTION DEVICE INDICATED ON CIVIL SHEETS. CONNECT UPSTREAM AND EXTEND AS INDICATED ON DRAWINGS.

DESIGN PRESSURE SHOWN ON PLANS IS BASED ON FLOW INFORMATION RECEIVED FROM THE DISTRICT ON 8/24/22. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.

NIBCO NO T-113 WITH A NON-RISING STEM AND HANDWHEEL.

GATE VALVE INSTALLLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE

FIOW SENSOR = BADGER 200SS, 2.5" SIZE INSERT IN SADDLE. MASTER VALVE = 2.5" NORMALLY CLOSED GRISWOLD #2000M.

TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14 WIRE IN 1" CONDUIT.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE: WILKINS MODEL NO. 975XL 1" SIZE. PROVIDE CONCRETE SLAB AND ENCLOSURE PIPE STAND, AND ALL INCIDENTAL WORK. COORDINATE EXACT LOCATION IN FIELD.

#### **EXISTING MAIN LINE TO REMAIN:**

ASTM D1785, PVC SCHEDULE 40.

#### IN PLANTED AREAS: 24" MINIMUM COVER.

UNDER PAVED AREAS: 24" MINIMUM COVER. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

ASTM D1785, PVC SCHEDULE 40, SOLVENT WELD ALL UNSIZED PIPE SHALL BE 3/4" SIZE.

POP-UP SPRAY HEADS - 12" MINIMUM COVER. BUBBLER HEADS: - 12" MINIMUM COVER.

UNDER PAVED AREAS: 24" MINIMUM COVER. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

RAINBIRD 44NP OR APPROVED EQUAL VALVES SHALL HAVE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

RAINBIRD PEB-PRS-D SERIES VALVE SHALL HAVE PRESSURE REGULATION OPTION FOR FLOW RANGES OF 6 GPM AND ABOVE.

#### SHRUB POP-UP SPRAY HEADS:

RAINBIRD: RD-06-S-P-45 SERIES BODY WITH RAINBIRD HE-VAN 10 SERIES NOZZLES.

SHRUB POP-UP SPRAY HEADS:

RAINBIRD: RD-06-S-P-45 SERIES BODY WITH RAINBIRD HE-VAN 12 SERIES NOZZLES.

### TREE BUBBLER HEADS (TWO PER SYMBOL):

RAINBIRD: RWS-M-B-C-1401 WITH INLINE CHECK VALVE AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:

#### RAINBIRD CONTROL ZONE KIT MODEL XCZ-100-PRB-COM

EMITTER TO BE RAINBIRD XBT-20-6 (2 GPH) WITH PC DIFFUSER CAP AND IPS FLEXIBLE PVC TUBING. IPS TUBING TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE.

EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL L4.2-6 FOR INSTALLATION.

PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN. UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES

ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

### INDICATES CONTROL VALVE AND STATION NUMBER

### INDICATES CONTROL VALVE SIZE

INDICATES GALLONS PER MINUTE

### **EXISTING IRRIGATION REPAIR AREA:**

![](_page_42_Picture_58.jpeg)

![](_page_42_Figure_59.jpeg)

<sup>11.</sup> COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.

![](_page_43_Figure_0.jpeg)

![](_page_43_Figure_6.jpeg)

![](_page_44_Figure_0.jpeg)

![](_page_44_Picture_3.jpeg)

![](_page_45_Figure_0.jpeg)

STATION		PLANT FACTOR		FLOW	PRECIP. RATE	IRRIGATION		POOT																										
#/HYDROZONE	USE TYPE	(PF)	IRRIGATION TYPE	(GPM)	(PR) INCH/HR	(IE)	SOIL TYPE	DEPTH		EXPOSURE											MA	INTENANCE	PERIOD (X/Y	Z GAL)										
											J	ANUARY	FE	BUARY	N	IARCH		APRIL		MAY		JUNE	JUI	_Y	AUG	UST	SEPT	EMBER	ОСТ	OBER	NOV	EMEBER	DEC	EMBER
1	SHRUB - MEDIUM	0.8	SPRAY	33.1	1.83	0.75	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /1	0 GAL	0 /1	0 GAL	2 /1	256 GAL	14 /2	3,965 GAL	17	/3 7,291 GAL	12 /5	5 8,570 GAL	13 /5	9,210 GAL	9 /6	8,059 GAL	12 /3	5,244 GAL	17 /1	2,558 GAL	0 /1	0 GAL	0 /1	0 GAL
2	TREE - MEDIUM	0.5	BUBBLER	11.5	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /2	0 GAL	0 /2	0 GAL	2 /2	188 GAL	19 /3	2,918 GAL	26	/4 5,365 GAL	21 /6	6,307 GAL	22 /6	6,777 GAL	17 /7	5,930 GAL	19 /4	3,859 GAL	19 /2	1,883 GAL	0 /2	0 GAL	0 /2	0 GAL
3	SHRUB - LOW	0.2	POINT-SOURCE DRIP	5.8	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /3	0 GAL	0 /3	0 GAL	0 /3	38 GAL	6 /4	589 GAL	8	/5 1,082 GAL	7 /7	7 1,272 GAL	8 /7	1,367 GAL	6 /8	1,196 GAL	6 /5	779 GAL	5 /3	380 GAL	0 /3	0 GAL	0 /3	0 GAL
4	SHRUB - LOW	0.2	POINT-SOURCE DRIP	5.3	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /4	0 GAL	0 /4	0 GAL	0 /4	35 GAL	5 /5	538 GAL	7	/6 989 GAL	6 /8	3 1,163 GAL	7 /8	1,249 GAL	5 /9	1,093 GAL	5 /6	711 GAL	4 /4	347 GAL	0 /4	0 GAL	0 /4	0 GAL
5	SHRUB - LOW	0.2	POINT-SOURCE DRIP	1.7	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /5	0 GAL	0 /5	0 GAL	0 /5	11 GAL	4 /6	173 GAL	6	/7 317 GAL	6 /9	9 373 GAL	6 /9	401 GAL	5 /10	351 GAL	4 /7	228 GAL	3 /5	111 GAL	0 /5	0 GAL	0 /5	0 GAL
6	SHRUB - LOW	0.2	POINT-SOURCE DRIP	4.5	0.50	0.81	SANDY LOAM	12-24"	0-5%	PART SHADE	0 /6	0 GAL	0 /6	0 GAL	0 /6	29 GAL	3 /7	457 GAL	5	/8 840 GAL	5 /1	0 987 GAL	5 /10	1,061 GAL	4 /11	928 GAL	4 /8	604 GAL	2 /6	295 GAL	0 /6	0 GAL	0 /6	0 GAL
7	SHRUB - LOW	0.2	POINT-SOURCE DRIP	5.9	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /7	0 GAL	0 /7	0 GAL	0 /7	39 GAL	3 /8	599 GAL	5	/9 1,101 GAL	5 /1	1 1,294 GAL	5 /11	1,391 GAL	4 /12	1,217 GAL	3 /9	792 GAL	2 /7	386 GAL	0 /7	0 GAL	0 /7	0 GAL
8	SHRUB - LOW	0.2	POINT-SOURCE DRIP	5.8	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /8	0 GAL	0 /8	0 GAL	0 /8	38 GAL	3 /9	589 GAL	4	/10 1,082 GAL	4 /1	2 1,272 GAL	4 /12	1,367 GAL	4 /13	1,196 GAL	3 /10	779 GAL	2 /8	380 GAL	0 /8	0 GAL	0 /8	0 GAL
9	TREE - MEDIUM	0.5	BUBBLER	3.0	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /9	0 GAL	0 /9	0 GAL	0 /9	49 GAL	6 /10	0 761 GAL	10	/11 1,400 GAL	10 /1	3 1,645 GAL	10 /13	1,768 GAL	8 /14	1,547 GAL	7 /11	1,007 GAL	4 /9	491 GAL	0 /9	0 GAL	0 /9	0 GAL
10	SHRUB - LOW	0.2	POINT-SOURCE DRIP	1.4	0.50	0.81	SANDY LOAM	12-24"	0-5%	FULL SUN	0 /10	0 GAL	0 /10	0 GAL	0 /10	9 GAL	2 /1	1 142 GAL	4	/12 261 GAL	4 /1	4 307 GAL	4 /14	330 GAL	3 /15	289 GAL	3 /12	188 GAL	1 /10	92 GAL	0 /10	0 GAL	0 /10	0 GAL
								n n	MONTHLY RAIN	NFALL (CITY)	4.2	2	3.8		3.1		1.2	2		0.6	0.	.2	0.1		0.1		0.4		1		2.6		2.8	
									MONTHLY E	ET (CITY)	1.0	JAN	1.6	FEB	3.3	MAR	4.3	3 APR		6.3 MAY	6.	.9 JUN	7.3	JUL	6.4	AUG	4.5	SEP	3.0	OCT	1.4	NOV	0.8	DEC
									MONTHLY TO	TALS (GAL)		0 GAL		0 GAL		692 GAL		10,730 GAI	-	19,729 GAL		23,191 GAL		24,921 GAL		21,806 GAL		14,191 GAL		6,923 GAL		0 GAL		0 GAL

### IRRIGATION HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQ.FT.)	PF x HA (SQ.FT.)	IRRIGATION EFFICIENCY (IE)	ETWU (GALLONS)	STATION #/HYDROZONE	PLANT WATER USE TYPE	IRRIGATION TYPE	HYDROZONE AREA (HA) (SQ.FT.)	% OF TOTAL LANDSCAPE ARE
1	SHRUB - MEDIUM	0.8	1,650	1320.0	0.75	50,959	1	SHRUB - MEDIUM	SPRAY	1,650	9.2%
2	TREE - MEDIUM	0.5	460	230.0	0.81	8,222	2	TREE - MEDIUM	BUBBLER	460	2.6%
3	SHRUB - LOW	0.2	3,118	623.6	0.81	22,291	3	SHRUB - LOW	POINT-SOURCE DRIP	3,118	17.4%
4	SHRUB - LOW	0.2	2,473	494.6	0.81	17,680	4	SHRUB - LOW	POINT-SOURCE DRIP	2,473	13.8%
5	SHRUB - LOW	0.2	555	111.0	0.81	3,968	5	SHRUB - LOW	POINT-SOURCE DRIP	555	3.1%
6	SHRUB - LOW	0.2	1,363	272.6	0.81	9,744	6	SHRUB - LOW	POINT-SOURCE DRIP	1,363	7.6%
7	SHRUB - LOW	0.2	1,706	341.2	0.81	12,196	7	SHRUB - LOW	POINT-SOURCE DRIP	1,706	9.5%
8	SHRUB - LOW	0.2	2,192	438.4	0.81	15,671	8	SHRUB - LOW	POINT-SOURCE DRIP	2,192	12.2%
9	TREE - MEDIUM	0.5	3,778	1889.0	0.81	67,524	9	TREE - MEDIUM	BUBBLER	3,778	21.0%
10	SHRUB - LOW	0.2	674	134.8	0.81	4,819	10	SHRUB - LOW	POINT-SOURCE DRIP	674	3.8%
		TOTAL AREA	17,969		ETWU TOTAL	213,073			TOTAL AREA	17,969	100.0%
		TOTAL AREA (SLA)	1,650								
Eto (Lodi)	46.7										
ESTIMATED TOTAL WATER USAGE (ETWU) = (ETo)(0.62)(PF)(HA)/IE = GAL/YEAR											
			_OWANCE (MAWA) = (ETo)(0.62)[(0.45	x LA)+(0.55 x SLA)] = GAL/YEAR							
					MAWA TOTAL	260,399					

CLEAN BACKFILL - SEE SPECIFICATIONS 85% COMPACTION IN LANDSCAPE AREAS SEE NOTE 2 FOR ADDITIONAL INFO.
 FINISHED GRADE
 NON PRESSURE SPRAY LATERAL LINE

### 

— CONTROL WIRES TO BE LOCATED ADJACENT TO THE BASE OF THE PRESSURE MAINLINE. BUNDLE & TAPE AT 10'-0" INTERVAL TO PIPE. WIRE NOT TO BE PLACED ABOVE PRESSURE MAINLINE.
- TRENCH WIDTH SHALL BE PIPE SIZE PLUS 4" ON EACH SIDE

### PIPE TRENCH DETAIL

### IRRIGATION SCHEDULE TABLE

### LANDSCAPE HYDROZONE INFORMATION TABLE

IDENTIFI DIV. OF THE APP: 02-12 REV SS I F DATE:	CATION STAMP STATE ARCHITECT 20455 INC: IEWED FOR LS I ACS I 01/12/2023
	730 Howe Avenue, Suite 450 Sacramento, CA 95825 Phone: 916.921.2112 Fax: 916.921.2212
	HENRY+ Associates Architects
★ C C-2 OT P-12/ REI OF	$AR_{CHIII}$
MODERNIZATION LAKEWOOD ELEMENTARY SCHOOL	WATER EFFICIENCY CHARTS
Bryan Hollis Walker	LL / S Mar / C 453 AATURE (4/22 DATE 31/23 WAL DATE C A L 1 F O C A L 1 F O
21-32-052 DATE 3/28/2022	
DRAWN MS CHECKED JCBS	
SCALE	
UPDATED 11/17/2022	
L5	5.1