

#### OWNER / DEVELOPER

DAVE KINDELT SUPERIOR STORAGE GROUP 4120 DOUGLAS BLVD. - SUITE 306-504 GRANITE BAY, CA 95746 PHONE: 916-789-0500 E-MAIL: dave@superiorstoragegroup.com

#### **ARCHITECT**

ARIEL L. VALLI VALLI ARCHITECTURAL GROUP 924-D NORTH ART VILLAGE WAY IVINS, UT 84738

PHONE: 949-813-4191

E-MAIL: ariel.valliarch.com@outlook.com

#### CIVIL ENGINEER

TODD C. TOMMERAASON LAUGENOUR AND MEIKLE 608 COURT STREET WOODLAND, CA 95695 PHONE: 530-662-1755 E-MAIL: tct@Imce.net

#### LANDSCAPE ARCHITECT

SCOTT VOLMER GREAT VALLEY DESIGN, INC 1219 SPRUCE LANE DAVIS, CA 95616 PHONE: (530) 792-7095 E-MAIL: svolmer@grtvalley.com

#### PROJECT DATA

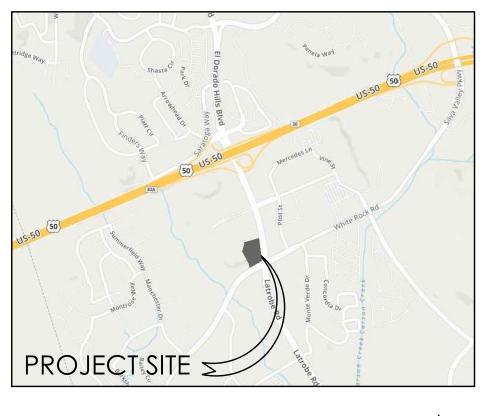
EXISTING PHASE I	89,470	SQ. FT.
EXISTING PHASE II	22,895	SQ. FT.
TOTAL EXISTING	112,365	SQ. FT.
NEW STORAGE BUILDING	G	
BUILDING 'C' (1 STORY)	2 400	SO FT

BUILDING (1 STORY) 2,400 SQ. FT. BUILDING 'D' (1 STORY) 4,320 SQ. FT. BUILDING 'E' (1 STORY) 12,900 SQ. FT. BUILDING 'F' (2 STORY) 48,336 SQ. FT.

TOTAL PROJECT 180,321 SQ. FT.

#### BUILDING HEIGHTS

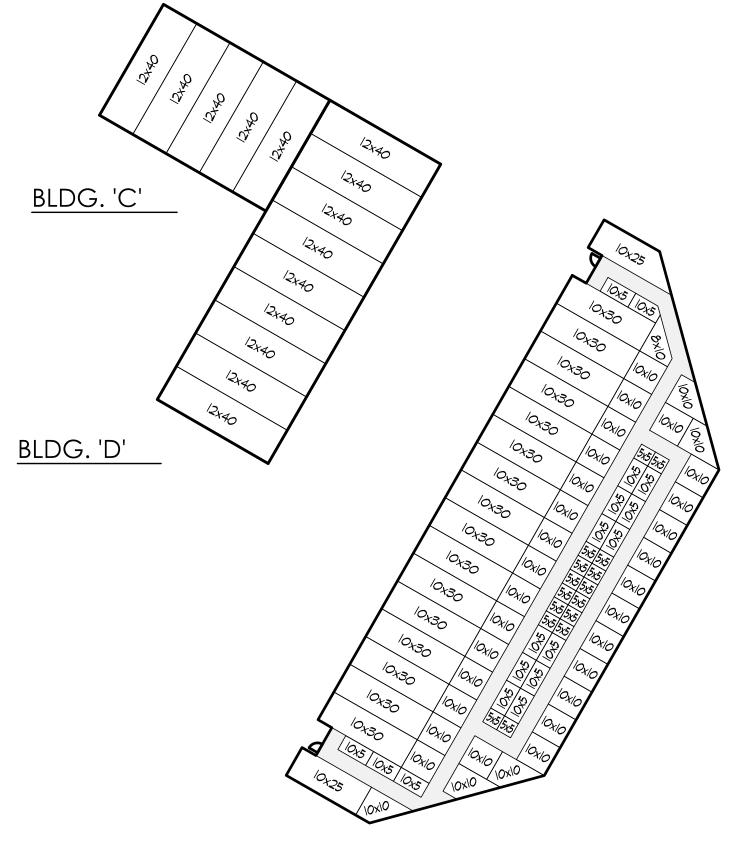
BUILDING 'C' BUILDING 'E' 25 FT. BUILDING 'F'



VICINITY MAP







	1			0						BLDG. 'E'	
OX5   OX5   OX5   OX5   OX5	10>		5 0)XGL x5 x10 x10 x10		5   10x5   10x5 5   10x20 5   10x20 5   10x20 5   10x20 5   10x20	Ox5   5x   Ox15   Ox1	5 10x5 10x10 10x10 10x10	Ox 0   Ox 5   Ox 5   Ox 5   Ox 5		BLDO. L	
Ox5   Ox5   Ox5	15x10 S		Olx2 Olx3	10x15	Ox20   Ox20	10x5 5		10x15			
					Ox 0   Ox 5   Ox25   Ox25   Ox25   Ox20   O			0x30 0x30 0x30 0x30 0x30 0x30 0x30			
				0x25 0x25	Ox20  Ox20  Ox20	0,40	<u>B</u>	LDG.			
				7							

	5×10 15×10 5×10 5×10	946
	10x5 10x5	
	IOXIO IOXIO	
10x15	IOXIO IOXIO	10x10 10x15 10x5 10x15
10x15	IOXIO IOXIO	
10x15	IOXIO IOXIO	
10×15	IOXIO IOXIO	10x10 10x15 10x10 10x10 10x20
10x15	IOXIO IOXIO	
10x15	IOXIO IOXIO	
10x15	15xlo 15xlo 15xlo	
10x15		10x15
	0 x0    0 x0	OX IOXIO
	10×25	10x15
	10×25	10x10 10x15 10x15
	10×25	
	10×25	
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	10×15	
	10x15	
	10x15	10x10 10x15 0+0
	10×10 5x5	[5x5]  Ox5    Ox5
		BLDG. '

	TOTAL UNIT MIX TABULATION					
	ZE ( UNI		SQ. FT. UNIT	NO. OF UNITS	TOTAL SQ. FT.	
5	Х	5	25	22	550	
5	Х	10	50	6	300	
10	х	5	50	51	2,550	
7.5	х	10	75	27	2,025	
8	х	10	80	1	80	
9	Х	10	90	3	270	
10	х	10	100	113	11,300	
10	Х	11	110	1	110	
10	х	14	140	2	280	
10	Х	15	150	66	9,900	
10	Х	20	200	35	7,000	
10	Х	25	250	21	5,250	
10	х	30	300	27	8,100	
12	Х	40	480	14	6,720	
TOTA	٩LS			389	54,435	
AVERAGE UNIT SIZE					139.94	
GRO	GROSS BUILDING AREA 66,88					
EFFIC	EFFICIENCY 81.39					

В	LD	G. 'C	C' - FLOC	OR TABUL	ATION
	ZE C JNI		SQ. FT. UNIT	NO. OF UNITS	TOTAL SQ. FT.
12	Х	40	480	5	2,400
TOTA	\LS			5	2,400
AVE	RAC	GE UN	IT SIZE		480
GRC	SS	BUILDI	NG AREA		2,400
EFFIC	CIEN	1CY			100

BL	DG. '[	)' - FLOC	OR TABULATION			
SIZE UN		SQ. FT. UNIT	NO. OF UNITS	TOTAL SQ. FT.		
12	40	480	9	4,320		
TOTAL	S		9	4,320		
AVER	AGE UN	IT SIZE		480		
GROS	S BUILD	ING AREA		4,320		
EFFICI	ENCY			100		

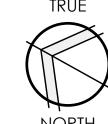
BLDG. 'E' - FLOOR TABULATION						
SIZE OF UNIT			SQ. FT. UNIT	NO. OF UNITS	TOTAL SQ. FT.	
5	Х	5	25	16	400	
8	Х	10	80	1	80	
10	Х	5	50	17	850	
10	Х	10	100	33	3,300	
10	Х	25	250	2	500	
10	Х	30	300	16	4,800	
TOTA	٩LS			85	9,930	
AVERAGE UNIT SIZE 116.82						
GROSS BUILDING AREA 11,850						
EFFICIENCY 83.80						

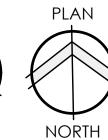
BLDG. 'F' - 1st FLOOR TABULATION						
SIZE OF UNIT			SQ. FT. UNIT	NO. OF UNITS	TOTAL SQ. FT.	
5	Х	5	25	3	75	
5	х	10	50	2	100	
10	х	5	50	17	850	
7.5	х	10	75	9	675	
9	х	10	90	2	180	
10	х	10	100	20	2,000	
10	х	14	140	1	140	
10	х	15	150	25	3,750	
10	х	20	200	23	4,600	
10	х	25	250	15	3,750	
10	Х	30	300	11	3,300	
TOTA	٩LS		128	19,420		
AVERAGE UNIT SIZE 151.72						
GROSS BUILDING AREA 24,168						
EFFICIENCY 80.35						

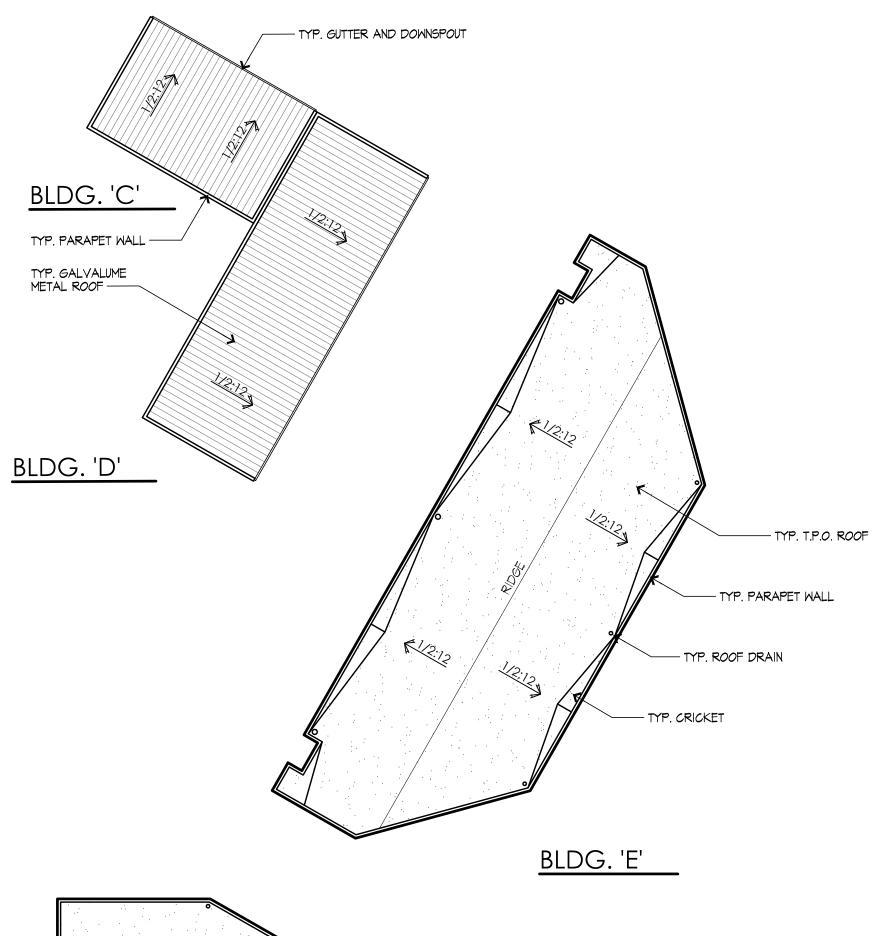
BLD	BLDG. 'F' - 2nd FLOOR TABULATION						
	ZE C UNIT		SQ. FT. UNIT	NO. OF UNITS	TOTAL SQ. FT.		
5	Х	5	25	3	75		
5	х	10	50	4	200		
10	Х	5	50	17	850		
7.5	х	10	75	18	1,350		
9	Х	10	90	1	90		
10	Х	10	100	60	6,000		
10	Х	11	110	1	110		
10	Х	14	140	1	140		
10	Х	15	150	41	6,150		
10	х	20	200	12	2,400		
10	Х	25	250	4	1,000		
TOTA	TOTALS 162 18,365						
AVE	AVERAGE UNIT SIZE 113.36						
GRC	GROSS BUILDING AREA 24,168						
EFFIC	CIEN	1CY			75.99		

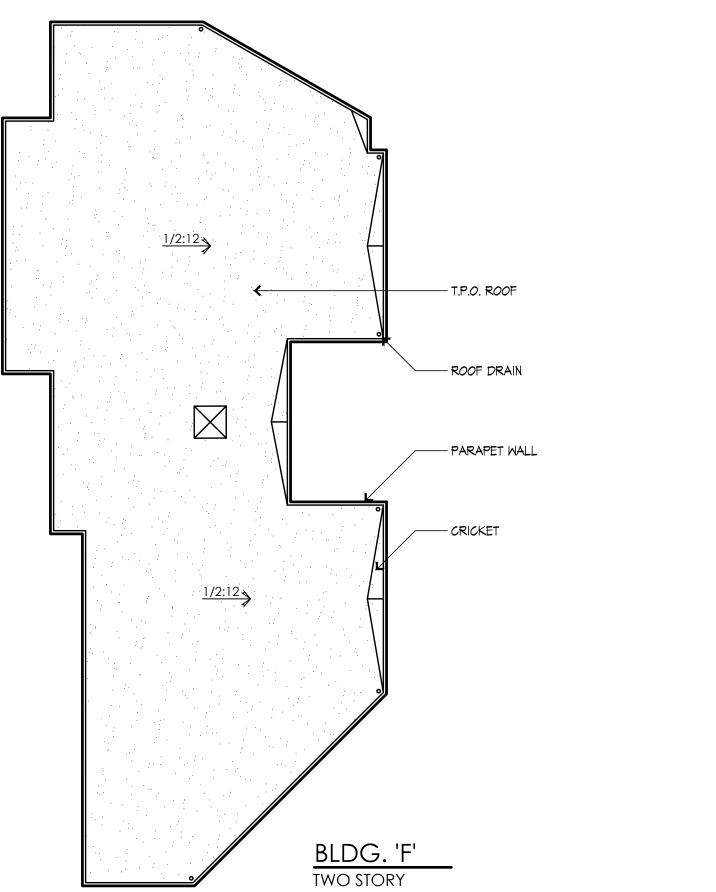




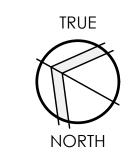


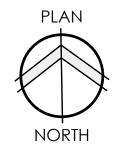


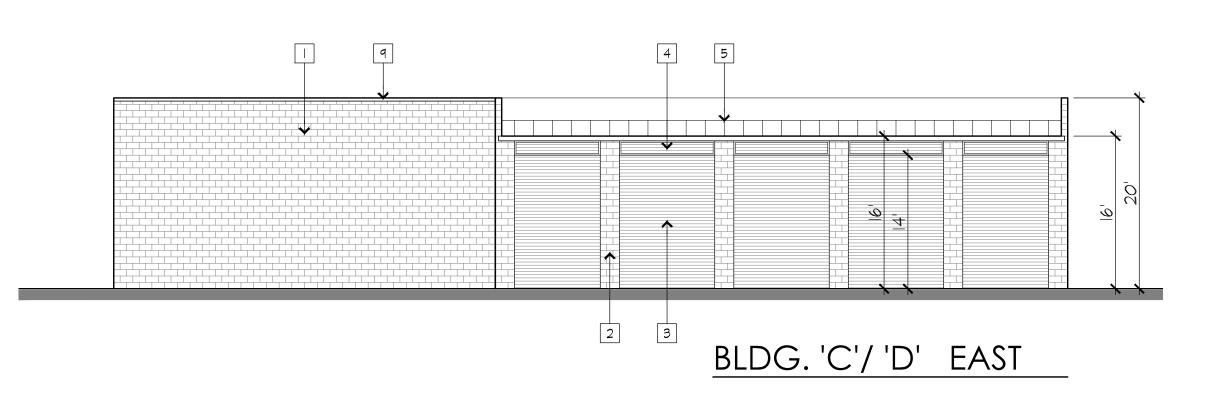


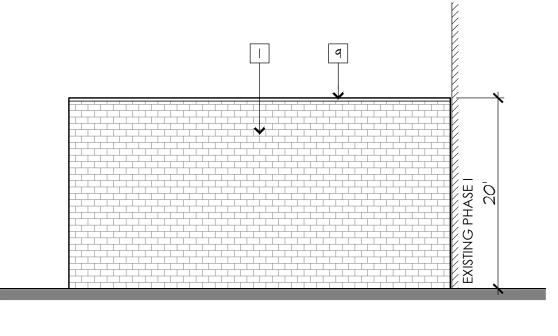








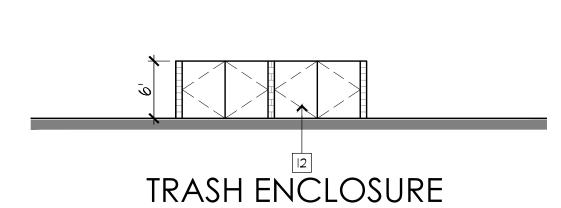


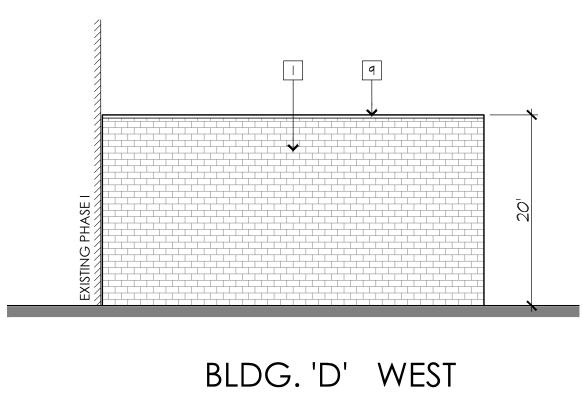


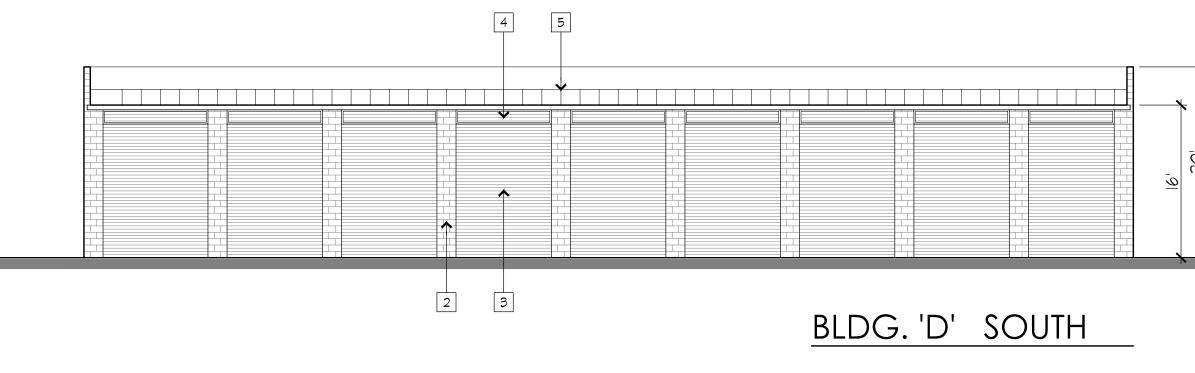
BLDG. 'C' NORTH

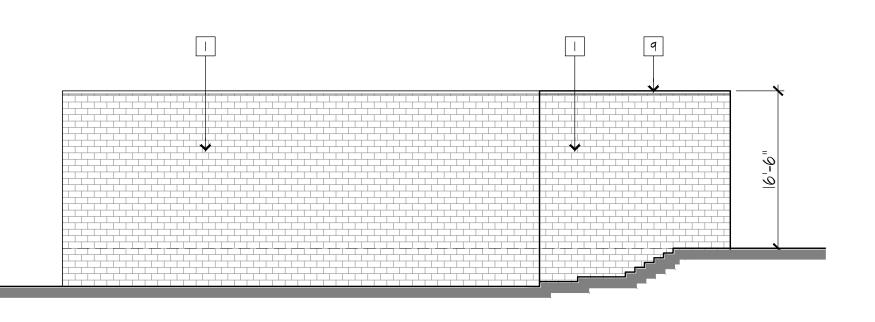
#### ELEVATION KEYNOTES

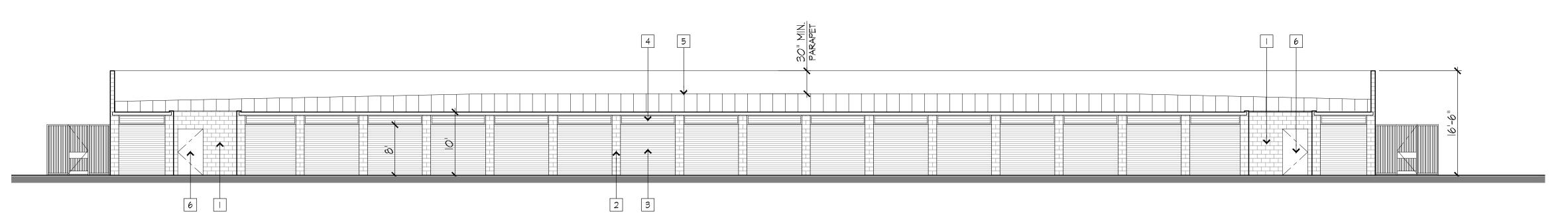
- 1. CMU WALL WITH ELASTOMERIC PAINT FINISH
- 2. CMU DOOR PILASTER WITH ELASTOMERIC PAINT FINISH
- 3. METAL ROLL-UP DOOR
- 4. METAL TRANSOM OVER DOOR
- 5. METAL ROOF BEYOND
- 6. METAL HALLWAY SWING DOOR
- 7. FOAM CORNICE WITH STUCCO FINISH
- 8. SMOOTH STUCCO FINISH WITH METAL GRID
- 9. METAL CAP FLASHING
- 10. STANLEY SLIDING STOREFRONT DOOR
- 11. SIGN LOCATION
- 12. CMU TRASH ENCLOSURE





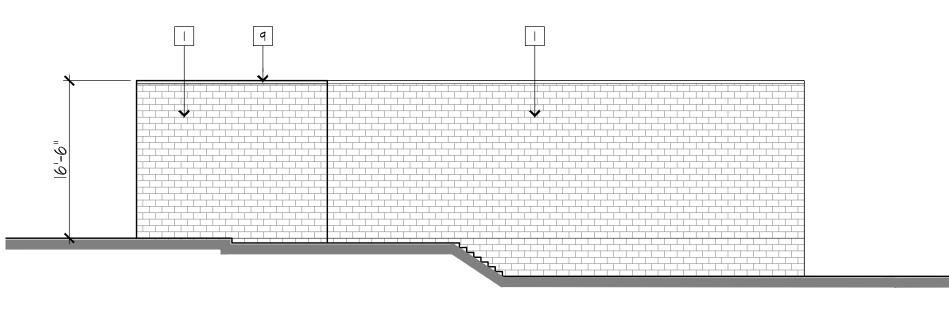


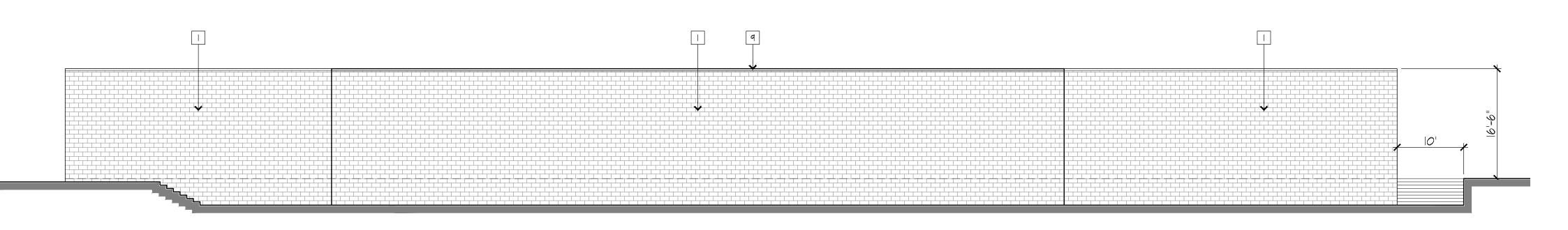




BLDG. 'E' EAST

BLDG. 'E' NORTH

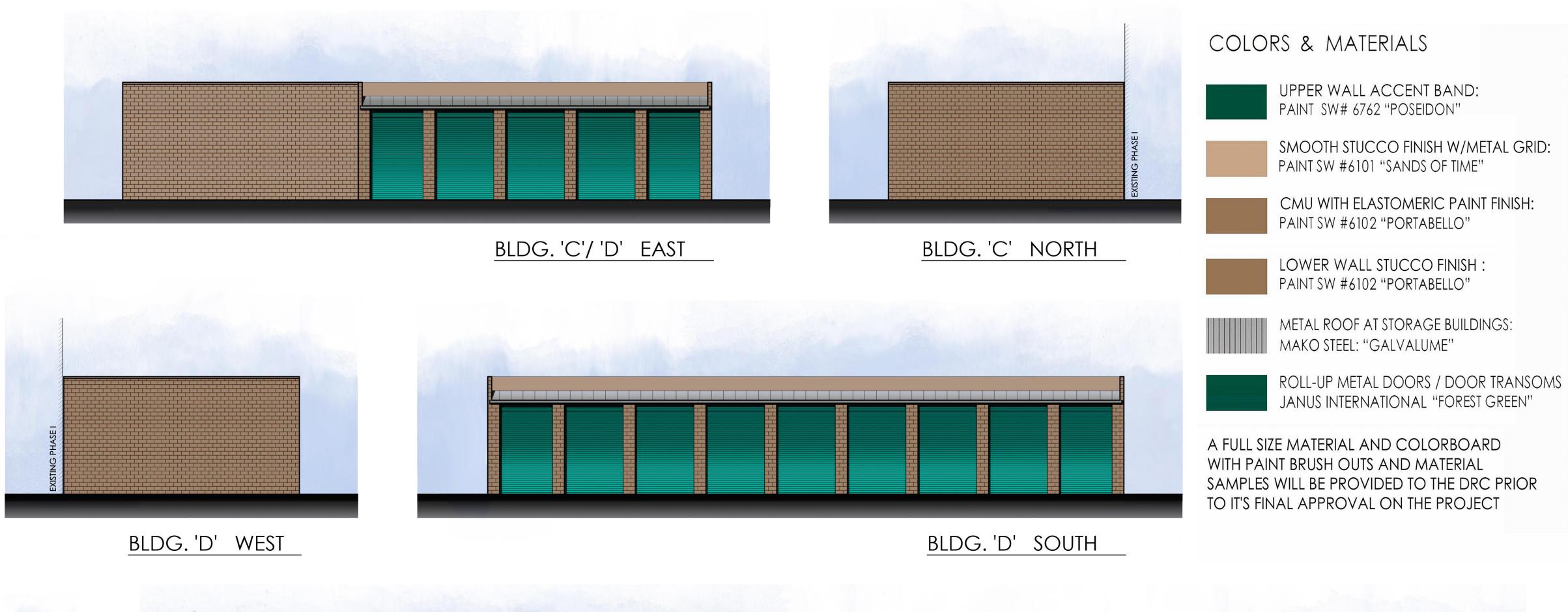


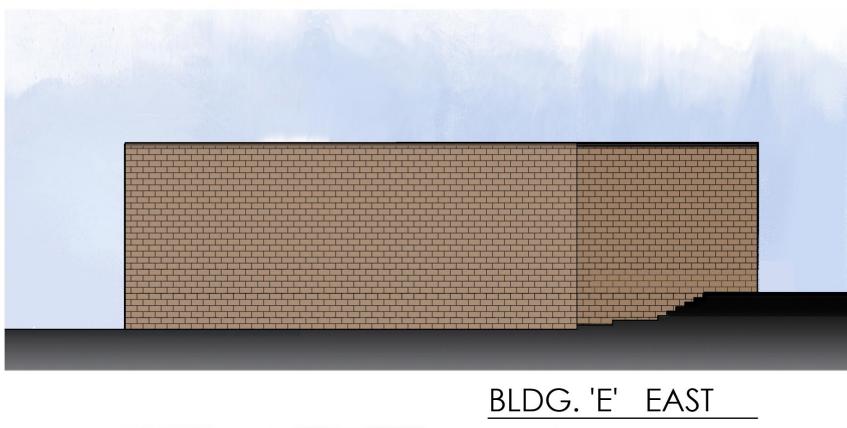


BLDG. 'E' WEST

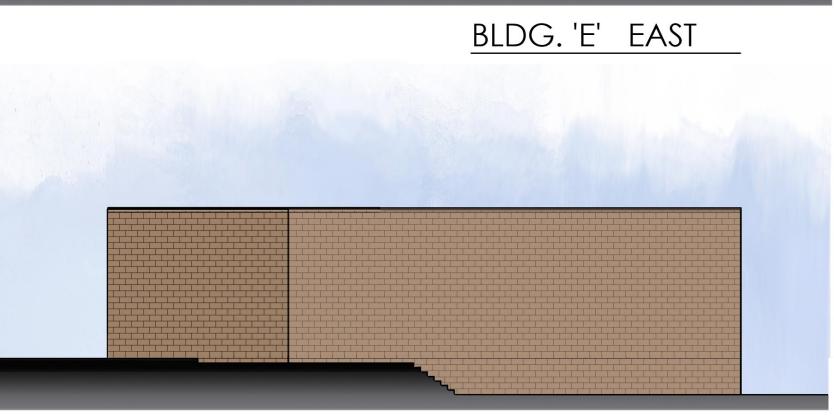
BLDG. 'E' SOUTH

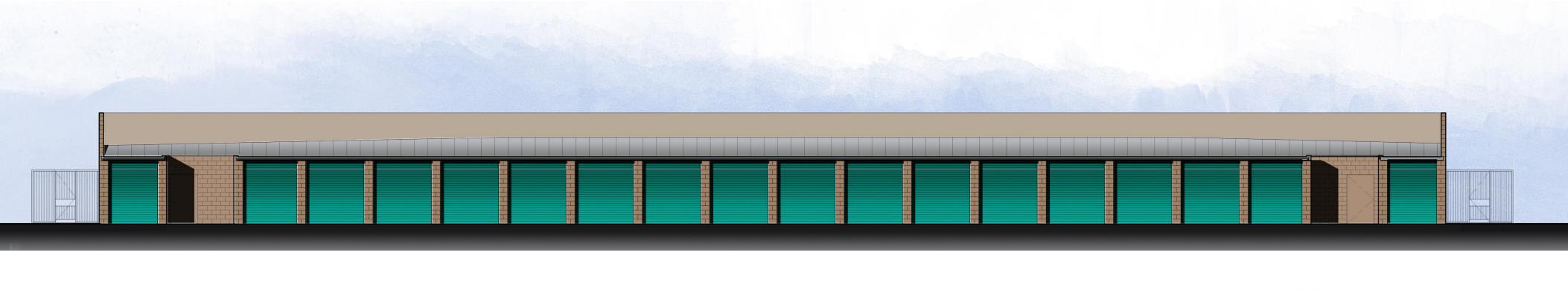


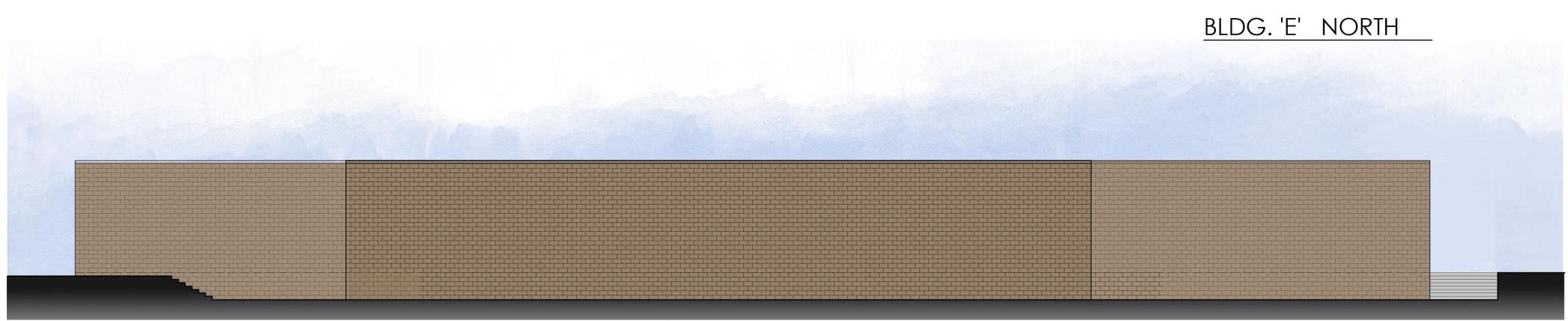




TRASH ENCLOSURE

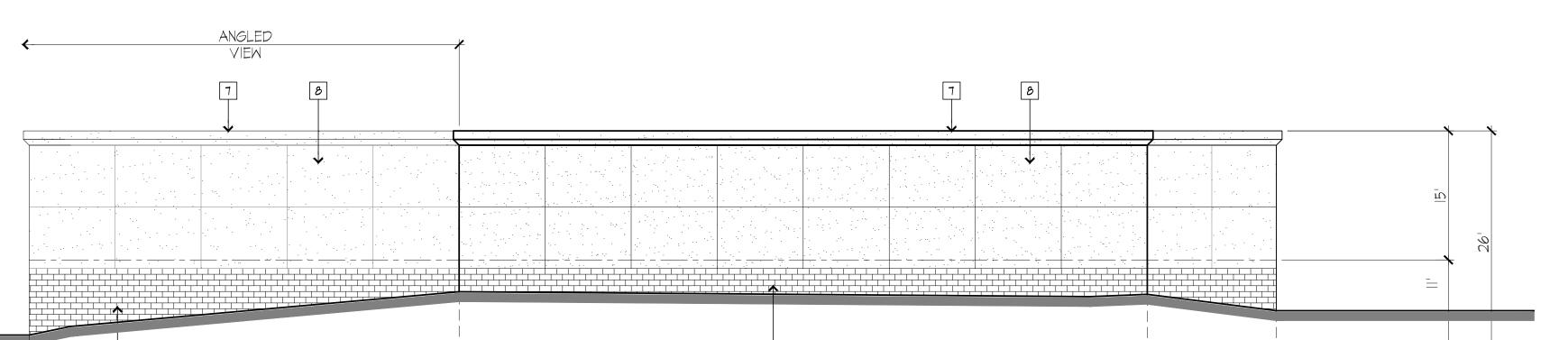






BLDG. 'E' WEST

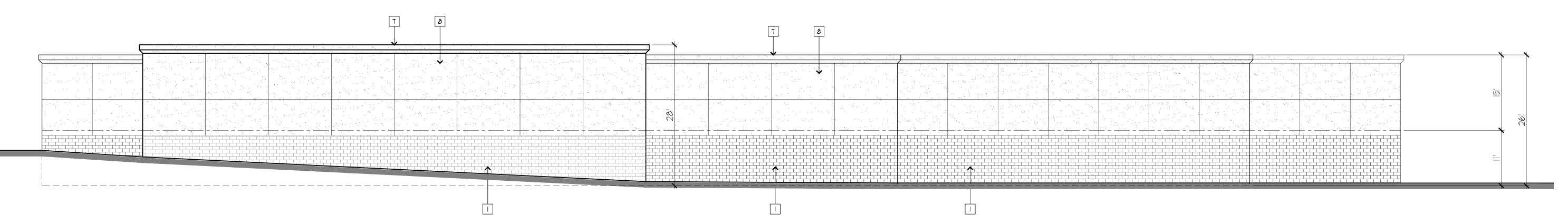


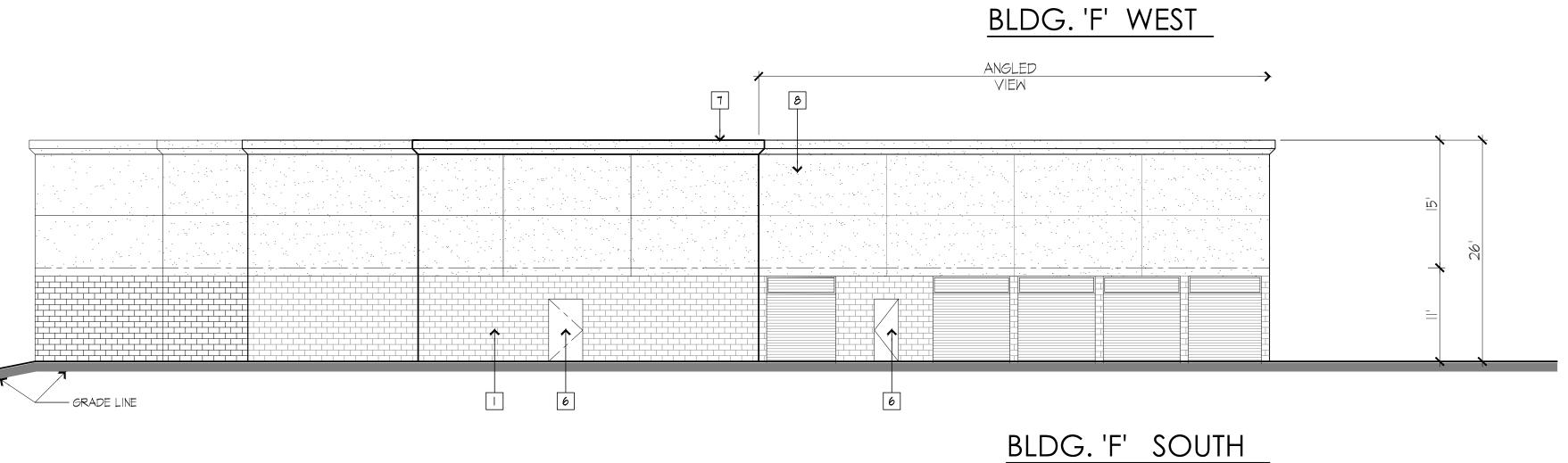


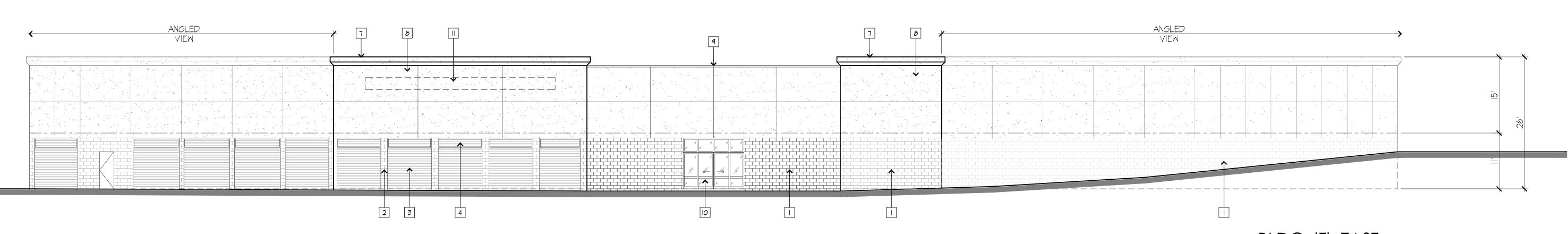
#### ELEVATION KEYNOTES

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- 3. METAL ROLL-UP DOOR
- 4. METAL TRANSOM OVER DOOR
- 5. METAL ROOF BEYOND 6. METAL HALLWAY SWING DOOR
- 7. FOAM CORNICE WITH STUCCO FINISH
- 8. SMOOTH STUCCO FINISH WITH METAL GRID
- 9. METAL CAP FLASHING
- 10. STANLEY SLIDING STOREFRONT DOOR
- 11. SIGN LOCATION
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#### BLDG. 'F' NORTH





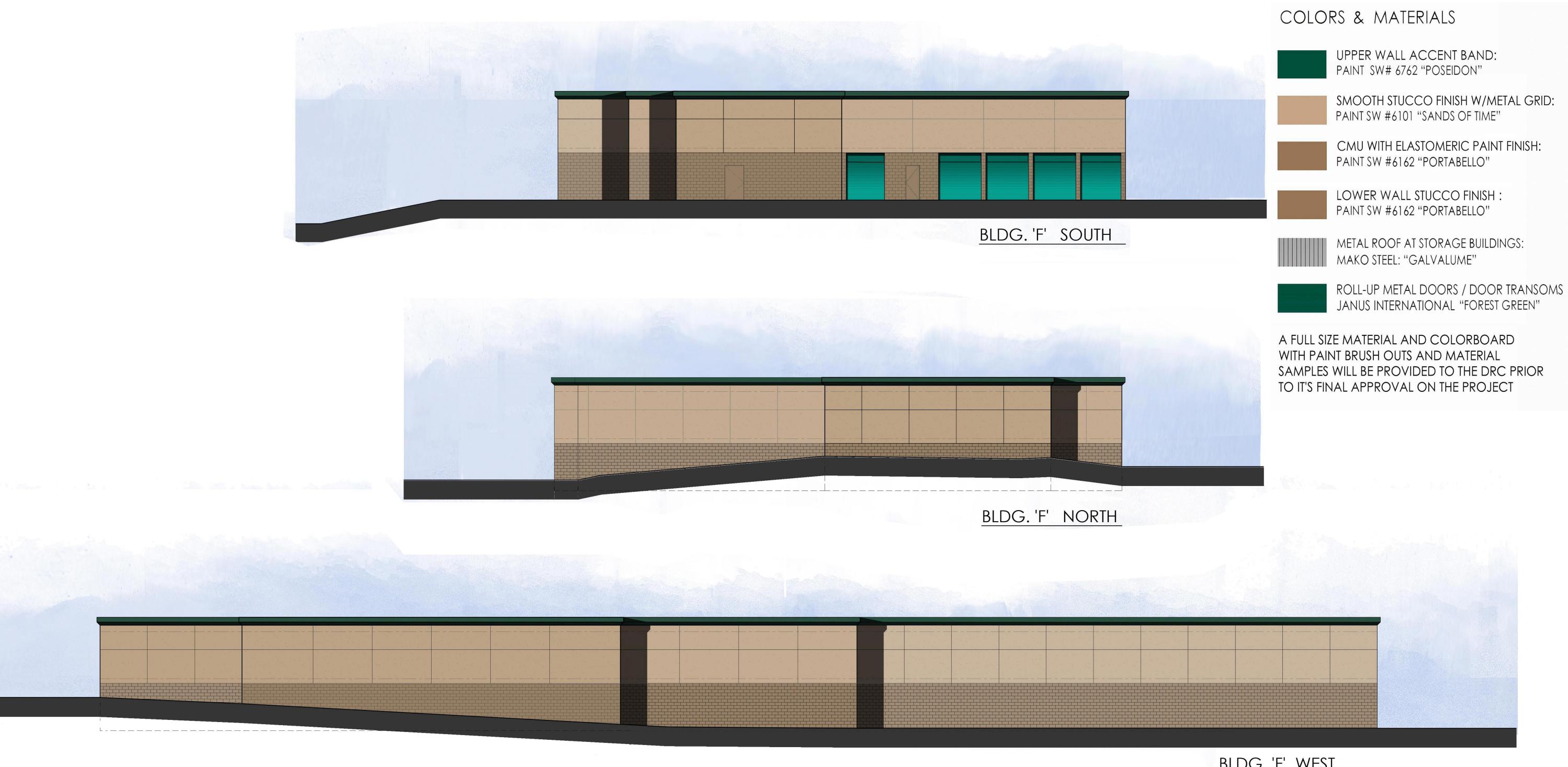


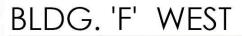


BLDG. 'F' EAST

3.8.2024

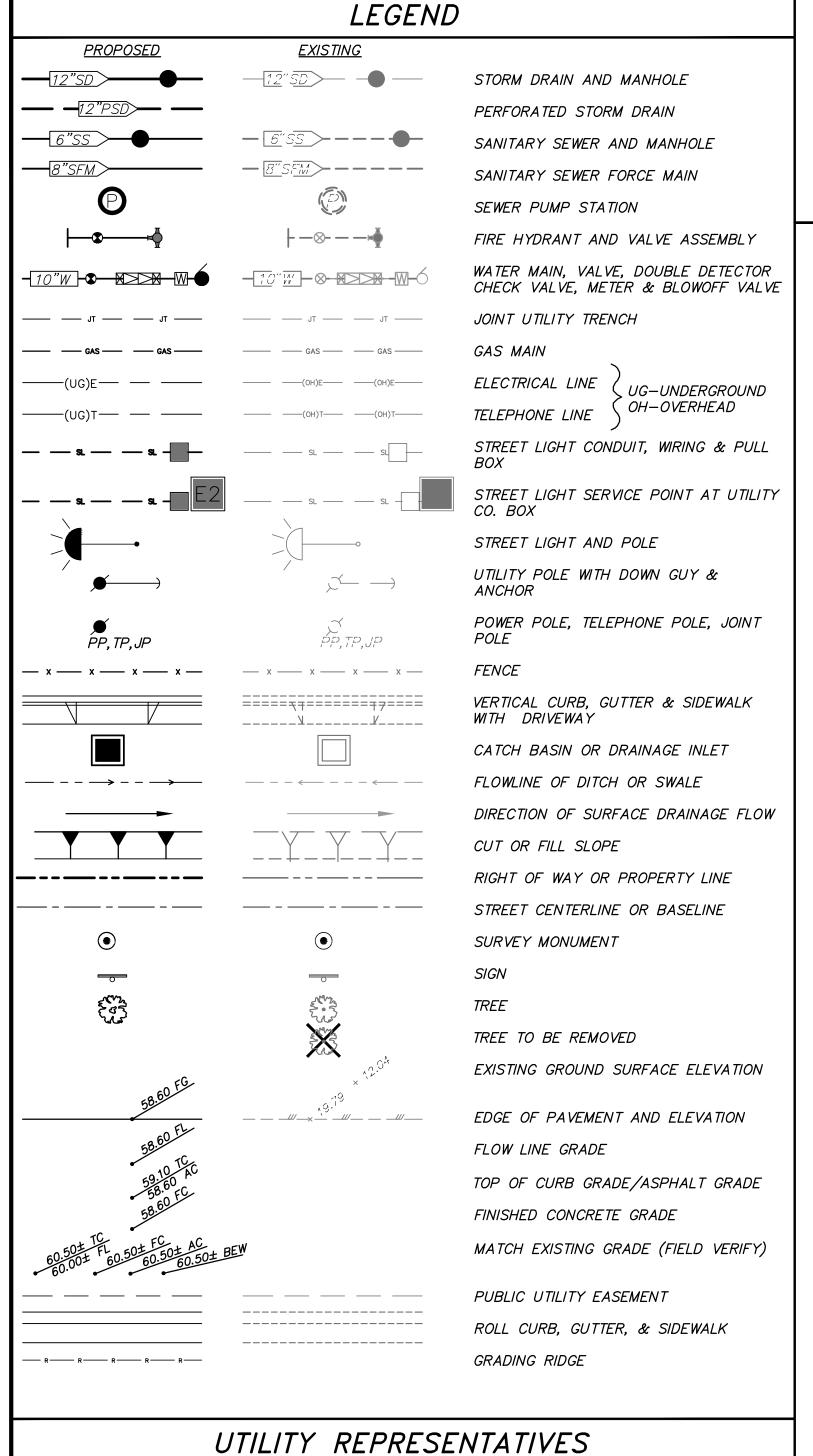
SCALE: 1" = 10'-0"







BLDG. 'F' EAST

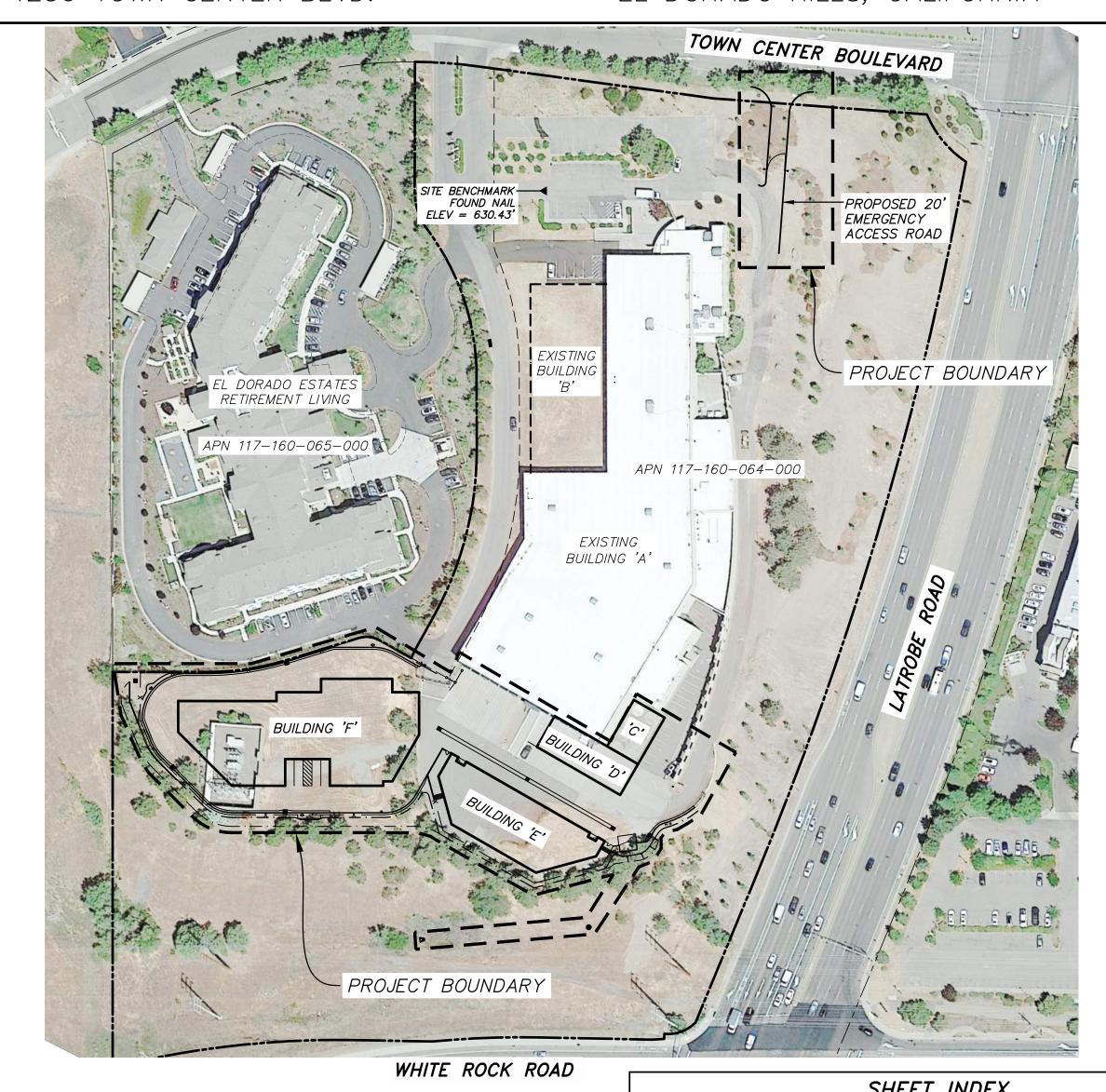


#### REPRESENTATIVE PHONE NUMBER UTILITY COMPANY (530) 621-7264 GAS & ELECTRIC P.G.&E. BRIAN RITCHIE TELEPHONE A T& T DARIN MORTINSON (530) 621–6926 EL DORADO WATER & SEWER (530) 642-4135 MARC MACKAY IRRIGATION DISTRICT COUNTY OF INSPECTOR DRAINAGE (530) 621-5900 *EL DORADO* EL DORADO HILLS (530) 642-7336 FIRE DAVE TETER FIRE DEPARTMENT USA

# IMPROVEMENT PLANS SUPERIOR SELF STORAGE - PHASE 3

4250 TOWN CENTER BLVD.

EL DORADO HILLS, CALIFORNIA



# VICINITY MAP

#### WATER SERVICE CERTIFICATION

I HEREBY CERTIFY THAT THE WATER SYSTEM AS SHOWN ON DRAWING NUMBERS C301 AND C302, SHEETS 7 THROUGH 8 HAS BEEN DESIGNED TO PROVIDE EACH FACILITY OF THIS PROJECT WITH ADEQUATE WATER PRESSURE AND FIRE FLOW AS OF THE DATE SHOWN, BASED ON CRITERIA SUPPLIED BY THE EL DORADO IRRIGATION DISTRICT.

REGISTERED CIVIL ENGINEER

DATE

DATE

#### RECORD DRAWING CERTIFICATE

THIS SET OF PLANS, HAVING BEEN REVIEWED BY ME, REFLECT ALL APPROVED REVISIONS TO THE PROJECT KNOWN TO ME, AND ALL FIELD DEVIATIONS TO THE PLANNED IMPROVEMENTS BY THE CONSTRUCTION CONTRACTOR, AS REPORTED TO ME AS OF <u>(DATE)</u>. IT DOES NOT REPRESENT FIELD VERIFICATION OF PLANNED IMPROVEMENTS BY ME.

REGISTERED CIVIL ENGINEER

RCE NO.

#### **APPROVALS**

EDC DEVELOPMENT SERVICES DEPARTMENT SITE/GRADING PLAN REVIEW

THE COUNTY'S SIGNATURE IS FOUNDED ON THE PREMISE THAT THE OWNER AND ENGINEER OF RECORD HAVE PROVIDED ACCURATE INFORMATION TO THE COUNTY. IF ANY OF THE INFORMATION IS FOUND TO BE ERRONEOUS, THEN THE COUNTY MAY REQUIRE THE OWNER, ENGINEER OF RECORD AND CONTRACTOR TO STOP ALL NON-EROSION CONTROL RELATED WORK UNTIL THE DISCREPANCY IS RECTIFIED TO THE SATISFACTION OF THE COUNTY.

EL DORADO HILLS FIRE DEPARTMENT

FIRE MARSHALL

#### WATER MATERIAL LIST

		SHEET TINDEX	17514	1444VUE 4 OTUBER	MODEL /TVDE /CIZE	OLIANITIT
PAGE NO.	SHEET NO.	SHEET NAME	ITEM	MANUFACTURER	MODEL/TYPE/SIZE	QUANTIT
1	C001	TITLE SHEET	PIPE			
2	C002	ABBREVIATIONS & GENERAL NOTES	SERVICES			
3	C003	GENERAL NOTES	FIRE HYDRANTS			
4	C101	TOPOGRAPHIC SURVEY & DEMOLITION PLAN				
5	C201	OVERALL SITE PLAN	VALVES (BY TYPE)			
6	C202	CIVIL SITE PLAN	1			

#### EL DORADO IRRIGATION DISTRICT

APPROVED FOR CONSTRUCTION PROJECT NO. WORK ORDER NO. DRAWING NO. EARTHWORK VOLUMES

TOTAL CUT = 3,077 CYTOTAL FILL = 1,794 CY

#### GEOTECHNICAL REPORT

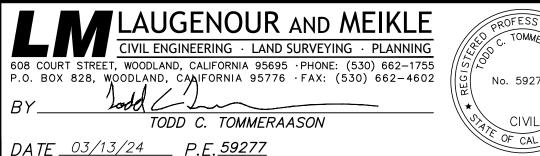
"SUPERIOR STORAGE PHASE 3", E95014.036, APRIL 11, 2022 & JULY 6, 2022, YOUNGDAHL CONSULTING GROUP, INC., 1234 GLENHAVEN COURT, EL DORADO HILLS, CA 95762.

#### BENCH MARKS

ELEVATIONS ARE N.G.V.D. 1929 AS TRANSFERRED BY GPS OBSERVATION, SITE BENCHMARK IS AS SHOWN ON THIS SHEET AND PREVIOUS PHASE 1 AND PHASE 2 SITE IMPROVEMENTS.

						Г
DECLONED DV TOT						
DESIGNED BY TOT						ĺ
						ĺ
DRAWN BY MSW						-
						ĺ
CHECKED BY TCT						ĺ
	REV.	DATE	DESCRIPTION	BY	4 D D ' D	ĺ
	$ \nabla \mathcal{L} V_{\bullet} $	DAIL	DESCRIPTION	01	APP'D.	1

	O PADO CO
	APPROVED
	EL DORADO COUNTY
	PLANNING COMMISSION
	DATE: April 24, 2025
	EXECUTIVE SECRETARY: Karen L. Garner
D.	



- -	PROFESS I ONA	
5	15/00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
_	No. 59277 No. 59277 ★	4
-	OF CALIFORNIA	

C302

C401

C501

C502

C601

C701

10

11

12

13

CIVIL SITE PLAN

CROSS SECTIONS

FIRE PLAN

DETAILS

GRADING & UTILITY PLAN

GRADING & UTILITY PLAN PLAN

EMERGENCY ACCESS FIRE PLAN

EROSION & SEDIMENTATION CONTROL PLAN

IMPROVEMENT PLANS FOR
SUPERIOR SELF STORAGE - PHASE 3
4250 TOWN CENTER DRIVE EL DORADO HILLS, CALIFORNIA

TITLE SHEET

SCALE 1"=100 03/13/24

JOB NO. 2544-10-

SHEET 1 OF 14

ACP	ASBESTOS CEMENT PIPE	
	AIR RELEASE VALVE AGGREGATE SUBBASE	
BC	BEGIN CURVE	
BEW BM	BACK EDGE OF WALK BENCH MARK	
BOC	BACK OF CURB	
BOV	BLOW—OFF VALVE BEGIN VERTICAL CURVE	
BW	BASE OF WALL	
CATV	CABLE TELEVISION	
C&G C.G.&SW	CURB AND GUTTER CURB, GUTTER AND SIDEWALK CENTER TO CENTER	
CC	CENTER TO CENTER	
CICP CL	CAST IN PLACE CONCRETE PIPE CENTERLINE, CONTROL LINE, CHAIN LINK OR CLASS	
CONC	CLEANOUT CONCRETE	
	CONSTRUCT	
COR CB	CORNER CONCRETE PIPE	
CR .	CURB RETURN CORRUGATED STEEL PIPE	
CSP	CORRUGATED STEEL PIPE	
DC DCA	DOUBLE CHECK DETECTOR CHECK ASSEMBLY	
DI	DRAINAGE INLET DUCTILE IRON PIPE	
DIP DTL	DETAIL	
DW	DRIVEWAY	
DWG E	DRAWING EAST	
EC	END CURVE	
	ELECTRIC(AL)	
FD	ELEVATION  EDGE OF PAVEMENT  FOUNDALENT	
EQUIV	EQUIVALEIVI	
EX, EXIST	END VERTICAL CURVE EXISTING	
EXP JT	EXPANSION JOINT FLUSHER BRANCH	
FB FC	FLUSHER BRANCH FINISHED CONCRETE	
FEW	FRONT EDGE OF WALK	
FF, FIN FLR FG	FINISHED FLOOR FINISHED GRADE	
FH	FIRE HYDRANT	
FL FOC	FLOW LINE FACE OF CURB OR CONCRETE	
GB	GRADE BREAK	
INTX INV	INTERSECTION INVERT	
IRR	IRRIGATION	
JB JT	JUNCTION BOX JOINT—USE TRENCH	
L	LEFT	
LF LOG	LINEAL FEET LIP OF GUTTER	
LT	LEFT OR LIGHT	
MAX MH	MAXIMUM MANHOLE	
MIN	MINIMUM	
MOC MON	MIDDLE OF CURVE MONUMENT	
MRC	MINIMUM RELATIVE COMPACTION	
MTD N	MOUNTED NORTH	
NG	NATURAL GROUND	
NIC NTS	NOT IN CONTRACT NOT TO SCALE	
OA	OVERALL	
OH PB	OVERHEAD PULL BOX	
PCC	PORTLAND CEMENT CONCRETE OR	
PI	POINT OF COMPOUND CURVATURE POINT OF INTERSECTION	
PL	PROPERTY LINE	
POC	POINT OF CONNECTION, POINT ON CURVE	
PRC	POINT OF REVERSE CURVATURE	
PRVC	POINT OF REVERSE VERTICAL CURVATURE	
PROJ	PROJECTED	
PROP PSE	PROPERTY PUBLIC SERVICE EASEMENT	
PT	POINT	
PUE PVCP	PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE PIPE	
PVMT	PAVEMENT	
PWD R	PUBLIC WORKS DEPARTMENT RADIUS, RADIAL OR RIGHT	
RCP	REINFORCED CONCRETE PIPE	
REQ'TS RET	REQUIREMENTS RETAINING	
RP	RADIUS POINT OR REFERENCE POINT	
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	
RT	RIGHT	
R/W	RIGHT-OF-WAY	
S SCH	SOUTH OR SLOPE SCHEDULE	
SD SEC	STORM DRAIN SECTION	•
SEC SEP	SEPARATION	
SIM	SIMILAR	
SL SS	STREET LIGHT SEWER SERVICE, SANITARY SEWER	
STD	STANDARD	
SW SYM	SIDEWALK SYMMETRICAL	
TC	TOP OF CURB OR CONCRETE	
TEL TEMP	TELEPHONE TEMPORARY	
TFOC	TOP FACE OF CURB	
TRAF TRANS	TRAFFIC TRANSITION	
TW	TOP OF WALL	
TYP UG	TYPICAL UNDERGROUND	
UNO	UNLESS NOTED OTHERWISE	
VAR VCP	VARIES OR VARIABLE VITRIFIED CLAY PIPE	
VERT	VERTICAL	
W WM	WEST WATER METER OR WATER MAIN	
WS	WATER SERVICE	
XFMR XING	TRANSFORMER CROSSING	
_		_

**ABBREVIATIONS** 

*AGGREGATE BASE* 

ACP

ASPHALT CONCRETE

#### STANDARDS AND PLANS

GENERAL NOTES:

UNLESS SHOWN OR SPECIFIED OTHERWISE, ALL CONSTRUCTION AND MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE COUNTY OF EL DORADO STANDARD SPECIFICATIONS AND DETAILS, WITH THESE PLANS, THE PROJECT SPECIFICATIONS, AND WITH THE LATEST EDITIONS OF THE STATE "CALTRANS" STANDARD SPECIFICATIONS AND STANDARD PLANS, SIGN SPECIFICATION SHEETS AND TRAFFIC MANUAL AND THE LATEST EDITION OF THE CALIFORNIA MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES). THE CONTRACTOR SHALL OBTAIN AND USE ALL APPLICABLE ADDENDUMS.

B. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION OR CORRECTION THEREOF SHALL BE

C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY SITE INSPECTIONS AND DETERMINE ALL ITEMS OF WORK NOT SPECIFICALLY SHOWN AS BID ITEMS, OR OTHERWISE INDICATED, PRIOR TO BIDDING. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL ITEMS OF WORK NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.

D. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY

E. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS AND THE CITY.

F. THE MAP SHOWN ON TITLE SHEET IS FOR GENERAL INFORMATION ONLY AND IS NOT INTENDED TO REPLACE THE DETAILED SHEETS ELSEWHERE IN THIS SET OF PLANS.

#### 2. EXISTING UTILITIES AND COORDINATION OF WORK

A. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT 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. LAUGENOUR AND MEIKLE ASSUMES 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 DRAWINGS.

B. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. THE INSPECTOR AND THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR OF THE SCHEDULED TIME AND PLACE OF SUCH VISUAL VERIFICATION TO ENABLE THEM TO HAVE REPRESENTATIVES PRESENT. IF IN THE OPINION OF THE INSPECTOR A CONFLICT EXISTS. THEN THE ENGINEER SHALL: (1) MAKE ANY NEEDED GRADE AND/OR ALIGNMENT ADJUSTMENTS AND REVISE THE PLANS ACCORDINGLY; AND/OR (2) CONTACT THE UTILITY PARTY KESPUNSIBLE FOR THE RELOCATION OF THE CONFLICTING FACILITY.

C. COUNTY OF EL DORADO IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF U.S.A. 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 1-800-642-2444. EXCAVATION IS DEFINED AS BEING MORE THAN 18 INCHES IN DEPTH BELOW THE EXISTING SURFACE.

D. UTILITY COMPANIES ARE PREPARING TO RELOCATE EXISTING FACILITIES AND/OR CONSTRUCT NEW FACILITIES WITHIN PORTIONS OF THE WORK AREA. THE CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH PROJECT RELATED WORK TO BE PERFORMED BY UTILITY COMPANIES (INCLUDING GAS, ELECTRIC, TELEPHONE AND CABLE TV) AND BY OTHER PROJECT CONTRACTORS INCLUDING BUILDING, PLUMBING, LANDSCAPING, ELECTRIC AND FIRE PROTECTION. THE CONTRACTOR SHALL AFFORD THESE UTILITY COMPANIES AND CONTRACTORS REASONABLE OPPORTUNITY FOR THE EXECUTION OF THEIR WORK AND SHALL COORDINATE HIS WORK WITH THEIRS. IN THE EVENT OF DELAYS OR CHANGES IN THE WORK BEYOND THE CONTROL OF THE CONTRACTOR, TIME EXTENSIONS AND NECESSARY CHANGES SHALL BE MADE AS PROVIDED IN THE CONTRACT.

E. ANY EXISTING UNDERGROUND UTILITY (INCLUDING PIPELINES) WHICH IS TO BE EXTENDED, WHICH IS THE CONNECTION POINT FOR NEW UNDERGROUND UTILITIES. OR WHICH NEW FACILITIES CROSS. SHALL BE EXPOSED BY THE CONTRACTOR PRIOR TO CONSTRUCTION STAKING FOR PLACEMENT OF THE NEW UTILITIES. COST OF SUCH EXCAVATION AND SUBSEQUENT BACKFILL SHALL BE INCLUDED IN THE PRICES PAID FOR THE VARIOUS ITEMS OF WORK. THE ELEVATIONS AND LOCATIONS OF THE EXISTING UTILITIES WILL BE CHECKED FOR POSSIBLE CONFLICTS WITH PLANS BY THE PUBLIC WORKS INSPECTOR AND THE ENGINEER. IF IN THE OPINION OF THE INSPECTOR A CONFLICT EXISTS, THEN THE ENGINEER SHALL: (1) MAKE ANY NEEDED GRADE AND/OR ALIGNMENT ADJUSTMENTS AND REVISE THE PLANS ACCORDINGLY; AND/OR (2) CONTACT THE UTILITY PARTY RESPONSIBLE FOR THE RELOCATION OF THE CONFLICTING FACILITY.

#### 3. CONSTRUCTION STAKING

A. CONSTRUCTION STAKING SHALL BE FURNISHED BY THE CONTRACTOR. THE CONTRACTOR WILL BE PROVIDED WITH AN AUTOCAD FILE THAT WILL CONTAIN CONTROL POINTS FROM THE ORIGINAL SURVEY THAT CAN BE UTILIZED TO ASSIST IN THE CONSTRUCTION STAKING OF THE IMPROVEMENTS AFTER SIGNING A DISCLAIMER STATEMENT FROM THE ENGINEER. THE CONTRACTOR SHALL MAKE OR FURNISH ALL SURVEYS AND SET ALL CONSTRUCTION STAKES NECESSARY FOR THE COMPLETION OF THE WORK.

B. THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT LAUGENOUR AND MEIKLE WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. IF, HOWEVER, ANOTHER ENGINEER AND/OR SURVEY FIRM SHOULD BE EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT LAUGENOUR AND MEIKLE WILL NOT ASSUME ANY RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED OR MITIGATED IF LAUGENOUR AND MEIKLE HAD PERFORMED THE CONSTRUCTION STAKING WORK.

#### 4. FIELD VERIFICATION

WHERE NEW IMPROVEMENTS (CURB, GUTTER, SIDEWALK, PAVEMENT, ASPHALT, UTILITIES, ETC.) ARE DESIGNATED TO MATCH GRADE (±) AT EXISTING IMPROVEMENTS, THE CONTRACTOR'S SURVEYOR SHALL VERIFY THE MATCH POINT GRADES, REPORT ANY DISCREPANCIES AND ADJUST GRADES TO MATCH EXISTING.

#### 5. CONFLICTS

THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PERFORMING ANY CORRECTIVE ACTION REQUIRED DUE TO UNFORESEEN CONFLICTS IN THE IMPROVEMENT PLANS OR DUE TO POSSIBLE STAKING ERRORS. THE ENGINEER ASSUMES NO LIABILITY FOR THE COST OR DESIGN OF ANY MODIFICATION PERFORMED WITHOUT SUCH NOTIFICATION, AND ALSO ASSUMES NO LIABILITY FOR STAKING PROVIDED BY OTHERS.

#### CONTROL POINTS AND SURVEY MONUMENTS

A. CERTAIN CONTROL POINTS HAVE BEEN SET BY THE ENGINEER, OR ITS REPRESENTATIVE, WHICH ARE CRITICAL TO THE CONSTRUCTION STAKING OF THE PROJECT. THESE POINTS WILL BE DESIGNATED ON THE IMPROVEMENT PLANS. THE CONSTRUCTION SHALL NOT DISTURB THE CONTROL POINTS IN ANY MANNER. IF IT BECOMES NECESSARY TO REMOVE SAID CONTROL POINTS DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE LICENSED SURVEYOR RESPONSIBLE FOR CONSTRUCTION STAKING AND SHALL REMOVE AND REPLACE AS NOTED BELOW.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPLACEMENT OF ALL EXISTING SURVEY MONUMENTS OF RECORDS AND OTHER CONTROL MARKERS DURING CONSTRUCTION. ALL MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. WHEN THE LOCATION OF AN EXISTING MONUMENT CONFLICTS WITH PROPOSED WORK, THE CONTRACTOR SHALL HAVE A LICENSED LAND SURVEYOR REFERENCE THE MONUMENT PRIOR TO REMOVAL. AFTER THE MONUMENT HAS BEEN REFERENCED THE CONTRACTOR MAY REMOVE THE MONUMENT AND LATER HAVE IT REPLACED BY A LICENSED LAND SURVEYOR WHO SHALL FILE A CORNER RECORD WITH THE COUNTY.

#### 7. OBSTRUCTIONS

A. THE CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS. BOTH ABOVE GROUND AND UNDERGROUND, EXCEPT AS NOTED IN ITEM 2 ABOVE, AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. WHEN FEASIBLE SUCH WORK SHALL BE COMPLETED PRIOR TO GRADING.

ALL UNSUITABLE AND SURPLUS MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS SPECIFIED OTHERWISE.

C. TREE AND STUMP REMOVAL SHALL INCLUDE REMOVAL OF THE MAJOR ROOT SYSTEM TO THE SATISFACTION OF THE CITY ENGINEER. SUCH REMOVAL SHALL BE PERFORMED WITHOUT DAMAGE TO ADJACENT TREES THAT ARE TO BE PRESERVED. STUMP REMOVAL WITHIN THE DRIP LINE OF A TREE TO BE PRESERVED SHALL BE BY GRINDING METHOD, TO A DEPTH OF 0.5 FEET BELOW ADJACENT GRADE.

ALL WATER WELLS AND SEPTIC TANK SYSTEMS FOUND ON THE SITE SHALL BE DESTROYED IN ACCORDANCE WITH COUNTY HEALTH DEPARTMENT STANDARDS AND PERMITS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL SUCH LOCATIONS PRIOR TO COMMENCING WORK IN THESE AREAS.

#### 8. PUBLIC SAFETY AND TRAFFIC CONTROL

A. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ALL JURISDICTIONAL BODIES. THE CONTRACTOR IS DIRECTED TO CONTACT THE STATE INDUSTRIAL RELATIONS DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA. FOR ALL TRENCH EXCAVATIONS 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY PRIOR TO BEGINNING ANY **FXCAVATION** 

B. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CALTRANS TRAFFIC MANUAL (SEE CHAPTER 5, MANUAL OF TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS) AND AS DIRECTED BY THE COUNTY ENGINEER. ANY LANE CLOSURES (VEHICLE OR BICYCLE) SHALL BE APPROVED BY THE COUNTY ENGINEER. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING

C. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TEMPORARY CHANNELIZING DEVICES, AND FLAGGING OR FLASHING DEVICES AS NEEDED, SPACED AT INTERVALS NOT TO EXCEED 50 FEET, WHENEVER THE WORK AREA IS ADJACENT TO AN EXISTING TRAFFIC LANE AND THERE IS A PAVEMENT CUT, TRENCH OR DITCH WHICH IS OVER 2 INCHES IN DEPTH. IF THE CUT, TRENCH OR DITCH IS MORE THAN 10 FEET FROM A TRAFFIC LANE, THEN THE SPACING MAY BE GREATER, PROVIDED THAT IT DOES NOT EXCEED 200 FEET.

D. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

E. IN THE EVENT THAT ANY STREET OR PORTION OF ANY STREET WILL BE CLOSED TO EMERGENCY TRAFFIC, THE CONTRACTOR SHALL NOTIFY COUNTY OF EL DORADO AT (530) 621-5315 IMMEDIATELY PRIOR TO CLOSURE AND IMMEDIATELY AFTÉR REOPENING OF SAID STREET OR STREET PORTION.

#### 9. PERMITS, LICENSES AND REGULATIONS

A. PERMITS AND LICENSES OF A TEMPORARY NATURE AND NECESSARY FOR THE PROSECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR. PERMITS. LICENSES AND EASEMENTS FOR PERMANENT STRUCTURES OR PERMANENT CHANGES IN EXISTING FACILITIES SHALL BE SECURED AND PAID FOR BY THE OWNER UNLESS OTHERWISE SPECIFIED.

B. THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS PRIOR TO THE INTENT TO COMMENCE WORK.

C. ALL WATER WELLS AND SEPTIC TANK SYSTEMS FOUND ON THE SITE SHALL BE DESTROYED IN ACCORDANCE WITH COUNTY HEALTH DEPARTMENT STANDARDS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE COUNTY.

D. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS. ORDINANCES. RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS. HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING OF ANY SPECIFICATION AT VARIANCE THEREWITH AND ANY NECESSARY CHANGES SHALL BE ADJUSTED AS PROVIDED IN THE CONTRACT FOR CHANGES IN THE WORK. IF THE CONTRACTOR PERFORMS ANY WORK CONTRARY TO SUCH LAWS, ORDINANCES, RULES AND REGULATIONS HE SHALL BEAR ALL COSTS ARISING THEREFROM.

#### 10. STATIONING AND DIMENSIONING

ALL STATIONS REFER TO DISTANCES ALONG STREET CENTER LINE UNLESS INDICATED OTHERWISE. ALL STATIONS OFF CENTER LINE ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTER LINE STATIONS. STREET FRONTAGE PROPERTY LINES COINCIDE WITH BACK EDGE OF WALK ALIGNMENT UNLESS INDICATED OTHERWISE. UNLESS NOTED OTHERWISE. DIMENSIONS TO CURBS REFER TO TOP FACE OF CURB AND DIMENSIONS TO BUILDINGS REFER TO FACE OF EXTERIOR WALL.

#### 11. EARTHWORK

A. ALL EARTHWORK ACTIVITIES, INCLUDING EXCAVATION, GRADING. SCARIFYING, MOISTURIZING, FILL PLACEMENT, COMPACTION, LIME TREATMENT, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE PROJECT GEOTECHNICAL ENGINEERING REPORT (SEE TITLE SHEET) AND IN CONFORMANCE WITH THE COUNTY STANDARD SPECIFICATIONS AND WITH THE GRADING PLAN.

B. THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE GRADING ACTIVITIES AND PERFORM COMPACTION TESTING FOR THIS PROJECT. THE CONTRACTOR SHALL PROVIDE AT LEAST 24 HOURS NOTICE TO THE GEOTECHNICAL ENGINEER OF THE NEED FOR OBSERVATION AND TESTING SERVICES. THE PROJECT OWNER WILL PAY FOR THE COST OF PROVIDING THESE SERVICES; HOWEVER, IF SAMPLES OF MATERIALS ARE SUBMITTED WHICH FAIL TO PASS THE SPECIFIED TESTS OR IF WORK IS PERFORMED WHICH FAILS TO MEET THESE SPECIFICATIONS, THE CONTRACTOR SHALL PAY FOR ALL SUBSEQUENT RE—TESTS AND RE—INSPECTIONS.

C. EARTHWORK SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT THE SITE TO THE GRADES SHOWN. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE DISPOSAL OF EXCESS EXCAVATED MATERIAL OR FOR THE IMPORT OF MATERIAL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN ADVANCE OF ANY CHANGES HE MAY DEEM NECESSARY TO OBTAIN BALANCED CUT-FILL

D. ALL CUT SLOPES SHALL BE ROUNDED AT THE "BREAK" SO THAT THEY BLEND WITH THE NATURAL GROUND CONTOUR.

E. THE CONTRACTOR SHALL APPLY EITHER WATER OR DUST PALLIATIVE, OR BOTH, FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE AS DIRECTED BY THE ENGINEER.

F. EXCAVATION AND EMBANKMENT SIDE SLOPES SHOWN ON THE PLANS AS A RATIO, E.G. 4:1, REFER TO THE RATIO OF HORIZONTAL TO VERTICAL DISTANCES. "MINIMUM" SLOPE MEANS "NOT FLATTER THAN", AND "MAXIMUM" SLOPE MEANS "NOT STEEPER THAN". ALL EMBANKMENT AND EXCAVATION SLOPES SHALL BE 4:1 UNLESS NOTED OTHERWISE.

G. TO ACCOMMODATE TRENCH SPOIL, THE CONTRACTOR'S GRADING SHALL INCLUDE UNDERCUTTING OF STREETS AS APPROPRIATE, OR SOME OTHER METHOD APPROVED BY THE ENGINEER.

H. ALL SECTIONS AND DETAILS SHOWN IN THESE PLANS ARE SOLELY INTENDED TO BE REPRESENTATIVE OF THE GRADING AND DRAINAGE DESIGN FOR THE PROJECT. IN NO WAY ARE THEY INTENDED TO REFLECT THE ACTUAL CONSTRUCTION ELEMENTS OF THE FENCING, WALLS, TRASH ENCLOSURE, ETC., UNLESS SPECIFICALLY CALLED OUT AS "CONSTRUCT" OR "PLACE" IN THESE PLANS.

I. ALLOWABLE SUBGRADE GRADING TOLERANCE IS PLUS OR MINUS 0.04' OF THE ELEVATIONS SHOWN HEREON FOR BUILDING PAD, PAVING, OR CONCRETE AREAS. FINAL SURFACE TOLERANCE IS PLUS OR MINUS 0.02'. ADA AREAS SHALL BE IN FULL COMPLIANCE AND SHALL NOT EXCEED MAXIMUM SLOPE REQUIREMENTS.

J. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING PROJECT CONSTRUCTION. COMPLY WITH EROSION AND SEDIMENTATION CONTROL PLAN, BMP AND COUNTY OF EL DORADO STANDARDS.

K. IF GRADING AND DRAINAGE CONSTRUCTION IS NOT COMPLETE DURING THE PERIOD FROM SEPTEMBER 1 TO MAY 15, THEN THE CONTRACTOR

PROVIDE EROSION PROTECTION ON SLOPES THAT ARE 10:1 OR STEEPER AND IN SWALES THAT ARE 2% OR STEEPER.

ii. GRADE GUTTER SAG POINTS TO DRAIN.

iii. PROVIDE SILT CATCHMENTS TO PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEMS.

iv. CLEAN DOWNSTREAM PIPES AS DIRECTED BY THE CITY ENGINEER. v. CLEAN AND MAINTAIN ALL STREETS AND SIDEWALKS AS DIRECTED BY THE CITY ENGINEER.

L. SUBGRADE PREPARATION FOR ALL PAVEMENT SECTIONS AND FOR CURB, GUTTER AND SIDEWALK SHALL INCLUDE COMPACTION IN AT LEAST THE TOP 8 INCHES TO AT LEAST 95% RELATIVE COMPACTION AT OR ABOVE OPTIMUM MOISTURE CONTENT.

M. ALL STREET ELEVATIONS SHOWN ARE FOR TOP OF CURB (TC) UNLESS OTHERWISE SPECIFIED.

N. THE TOP <u>8 INCHES</u> (MINIMUM) OF ALL LANDSCAPED AREAS SHALL BE CLEAN SOIL.

O. CLEARING, GRUBBING AND PREPARING IMPROVEMENT AREAS:

i. ALL RUBBLE AND RUBBISH AND OTHER ITEMS ENCOUNTERED DURING SITE WORK AND DEEMED UNACCEPTABLE BY THE GEOTECHNICAL ENGINEER. SHALL BE REMOVED AND DISPOSED OF SO AS TO LEAVE THE DISTURBED AREAS WITH A NEAT AND FINISHED APPEARANCE. FREE FROM UNSIGHTLY DEBRIS. EXCAVATIONS AND DEPRESSIONS RESULTING FROM THE REMOVAL OF SUCH ITEMS, AS WELL AS EXISTING EXCAVATIONS OR LOOSE SOIL DEPOSITS, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, SHALL BE CLEANED OUT TO FIRM, UNDISTURBED SOIL AND BACKFILLED WITH SUITABLE MATERIALS IN ACCORDANCE WITH THESE SPECIFICATIONS.

ii. THE SURFACES RECEIVING FILL SHALL BE STRIPPED OF VEGETATION OR THEY SHALL BE THOROUGHLY DISCED PROVIDED THAT A COMPACTABLE MIXTURE OF SOIL CONTAINING MINOR AMOUNTS OF VEGETATION CAN BE ATTAINED WHICH IS FREE OF CLUMPS, LAYERS OR POCKETS OF VEGETATION. IF PROPER COMPACTION OF THE DISTURBED SURFACE SOILS CANNOT BE ACHIEVED. THOSE MATERIALS SHALL BE EXCAVATED. TO A DEPTH SATISFACTORY TO THE GEOTECHNICAL ENGINEER, SO THAT A FIRM BASE FOR SUPPORT OF ENGINEERED FILL CAN BE ATTAINED.

iii. ALL LOOSE AND/OR SATURATED MATERIALS SHALL BE OVER-EXCAVATED TO FIRM SOIL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER. AND THE RESULTING EXCAVATIONS SHALL BE BACKFILLED WITH SUITABLE MATERIALS IN ACCORDANCE WITH THESE SPECIFICATIONS.

iv. THE SURFACES UPON WHICH FILL IS TO BE PLACED SHALL BE PLOWED OR SCARIFIED TO A DEPTH OF AT LEAST 8 INCHES, UNTIL THE SURFACE IS FREE FROM RUTS, MOUNDS OR OTHER UNEVEN FEATURES WHICH WOULD TEND TO PREVENT UNIFORM COMPACTION BY THE SELECTED EQUIPMENT.

v. WHEN THE MOISTURE CONTENT OF THE SUBGRADE IS LESS THAN OPTIMUM, AS DEFINED BY THE ASTM D1557-91 COMPACTION TEST, WATER SHALL BE ADDED UNTIL THE PROPER MOISTURE CONTENT IS ACHIEVED.

vi. WHEN THE MOISTURE CONTENT OF THE SUBGRADE IS TOO HIGH TO PERMIT THE SPECIFIED COMPACTION TO BE ACHIEVED, THE SUBGRADE SHALL BE AERATED BY BLADING OR OTHER METHODS UNTIL THE MOISTURE CONTENT IS SATISFACTORY FOR COMPACTION.

vii. AFTER THE FOUNDATIONS FOR FILL HAVE BEEN CLEARED, MOISTURE CONDITIONED. AND PLOWED OR SCARIFIED, THEY SHALL BE RECOMPACTED IN PLACE TO A DEPTH OF AT LEAST 8 INCHES TO A MINIMUM OF 95 PERCENT OF THE ASTM D1557-91 MAXIMUM DRY

viii. ANY UNSUITABLE MATERIAL ENCOUNTERED BELOW THE SUBGRADE SHALL BE BROUGHT TO THE ATTENTION OF AND REMOVED AT THE DIRECTION OF THE ENGINEER. UNSUITABLE MATERIAL IS DEFINED AS MATERIAL THE ENGINEER DETERMINES TO BE:

• OF SUCH UNSTABLE NATURE AS TO BE INCAPABLE OF BEING COMPACTED TO SPECIFIED DENSITY USING ORDINARY METHODS AT OPTIMUM MOISTURE CONTENT; OR

• TOO WET TO BE PROPERLY COMPACTED AND CIRCUMSTANCES PREVENT SUITABLE IN-PLACE DRYING PRIOR TO INCORPORATION INTO THE WORK; OR

OTHERWISE UNSUITABLE FOR THE PLANNED USE

ix. THE PRESENCE OF EXCESSIVE MOISTURE IN A MATERIAL IS NOT, BY ITSELF, SUFFICIENT CAUSE FOR DETERMINING THAT THE MATERIAL IS UNSUITABLE.

x. THE CONTRACTOR SHALL USE EXTRA CARE IN EXCAVATING UNSUITABLE MATERIAL SO AS NOT TO AGGRAVATE THE CONDITION. IF, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, THE CONTRACTOR'S METHODS FOR EXCAVATING ARE INCREASING THE AMOUNT OF UNSUITABLE MATERIAL REQUIRED TO BE EXCAVATED, THE GEOTECHNICAL ENGINEER WILL REQUIRE THE CONTRACTOR TO TAKE THE NECESSARY STEPS TO CORRECT THE CONDITION.

xi. BACKFILL TO REPLACE THE REMOVED UNSUITABLE MATERIAL SHALL BE CL. II AB COMPACTED TO 95% MRC.

xii. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, INCLUDING THE ADDITIONAL EXCAVATION GREATER THAN THAT REQUIRED FOR PREPARATION OF SUBGRADE. AND SUBSEQUENT BACKFILLING SHALL BE COMPUTED AND PAID FOR AT THE CONTRACT UNIT PRICE BID PER CUBIC YARD OF UNSUITABLE SUBGRADE MATERIAL REMOVAL, DISPOSAL AND BACKFILL. THE QUANTITY SHOWN FOR THIS ITEM IN THE PROPOSAL SHALL BE CONSIDERED AS APPROXIMATE AND IS INDICATED FOR BID COMPARISON ONLY, AND NO GUARANTEE IS MADE OR IMPLIED THAT THE QUANTITY SHOWN WILL NOT BE REDUCED OR INCREASED OR DELETED AS MAY BE REQUIRED BY THE ENGINEER.

P. CONSTRUCTION OF UNTREATED SUBGRADES:

i. THE SELECTED SOIL FILL MATERIAL SHALL BE PLACED IN LAYERS WHICH. WHEN COMPACTED. DO NOT EXCEED 6 INCHES IN THICKNESS. EACH LAYER SHALL BE SPREAD EVENLY AND SHALL BE THOROUGHLY MIXED DURING THE SPREADING TO PROMOTE UNIFORMITY OF MATERIAL IN EACH LAYER.

ii. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS LESS THAN OPTIMUM MOISTURE, AS DEFINED BY THE ASTM D1557-91 COMPACTION TEST, WATER SHALL BE ADDED UNTIL THE PROPER MOISTURE CONTENT IS ACHIEVED.

iii. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS TOO HIGH TO PERMIT THE SPECIFIED DEGREE OF COMPACTION TO BE ACHIEVED, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER METHODS UNTIL THE MOISTURE CONTENT IS SATISFACTORY.

iv. AFTER EACH LAYER HAS BEEN PLACED, MIXED AND SPREAD EVENLY, IT SHALL BE THOROUGHLY COMPACTED TO NOT LESS THAN 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM D1557-91 COMPACTION TEST. COMPACTION SHALL BE UNDERTAKEN WITH EQUIPMENT CAPABLE OF ACHIEVING THE SPECIFIED DENSITY AND SHALL BE ACCOMPLISHED WHILE THE FILL MATERIAL IS AT THE REQUIRED MOISTURE CONTENT. EACH LAYER SHALL BE COMPACTED OVER ITS ENTIRE AREA UNTIL THE DESIRED DENSITY HAS BEEN

v. THE FILL OPERATIONS SHALL BE CONTINUED UNTIL THE FILLS HAVE BEEN BROUGHT TO THE SLOPES AND GRADES SHOWN ON THE

Q. THE UPPER <u>8 INCHES</u> OF ANY UNTREATED FINAL SUBGRADES SHALL BE UNIFORMLY COMPACTED TO AT LEAST <u>95%</u> OF THE ASTM D1557-91 MAXIMUM DRY DENSITY REGARDLESS OF WHETHER FINAL SUBGRADE ELEVATION IS ATTAINED BY FILLING, EXCAVATION OR LEFT AT EXISTING

R. SOIL WITHIN 1' OF THE BACK OF CURBS OR SIDEWALK SHALL BE COMPACTED TO 95% MRC FOR THE FULL DEPTH OF THE CURB.

S. IF ANY IMPORT MATERIAL IS REQUIRED, IT SHALL BE APPROVED BY THE SOILS ENGINEER PRIOR TO HAULING IT TO THE SITE.

SUBGRADE SOILS BENEATH SLAB-ON-GRADE FLOORS SHALL BE IN A SATURATED CONDITION WHEN SLAB CONCRETE IS PLACED, AS REQUIRED BY THE GEOTECHNICAL REPORT.

12. CONCRETE CONSTRUCTION

A. PEDESTRIAN RAMPS SHALL BE CONSTRUCTED AT THE LOCATIONS INDICATED ON THESE PLANS. PEDESTRIAN RAMP AND WALK CONSTRUCTION SHALL COMPLY WITH THE STATE ACCESSIBILITY STANDARDS.

**B.** ALL CURB RETURNS SHALL BE VERTICAL CURB AND GUTTER. C. AS SOON AS THE SURFACE OF THE GUTTER HAS SET SUFFICIENTLY TO

PERMIT THE INTRODUCTION OF A SHALLOW STREAM OF WATER WITHOUT CAUSING DAMAGE TO THE GUTTER SURFACE, SAME SHALL BE APPLIED AND ALL FLOWLINE IRREGULARITIES SHALL BE CORRECTED BEFORE THE CONCRETE SURFACE HAS TAKEN INITIAL SET.

D. CONCRETE CONSTRUCTION SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATION SECTIONS 73, 90 AND 52, UNLESS SPECIFIED OTHERWISE.

E. PRIOR TO PLACEMENT OF CONCRETE, SOIL SUBGRADE SHALL BE MOISTURE CONDITIONED TO AN OVER-OPTIMUM MOISTURE CONTENT. COORDINATE WITH GEOTECHNICAL ENGINEER.

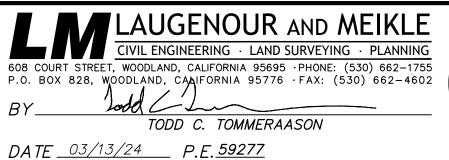
F. PRIOR TO CONCRETE CONSTRUCTION THE CONTRACTOR SHALL SUBMIT FOR OWNER'S APPROVAL A COPY OF THE JOINT PLAN, DETAILING THE TYPES AND LOCATIONS OF CONSTRUCTION, CONTROL AND EXPANSION

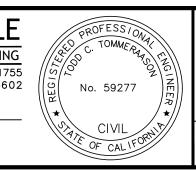
G. CONCRETE CONSTRUCTION, INCLUDING SUBGRADE PREPARATION, SHALL CONFORM TO THE PROJECT GEOTECHNICAL REPORT.

H. REFER TO "EARTHWORK" NOTE FOR SUBGRADE PREPARATION REQUIREMENTS. COMPACTED SUBGRADE SHALL EXTEND TO 1 MINIMUM FOOT BEYOND THE BACK OF CURB OR SIDEWALK.

DESIGNED BY TCT DRAWN BY MSW CHECKED BY TCT REV. DATE **DESCRIPTION** BY APP'I

APPROVED EL DORADO COUNTY PLANNING COMMISSION DATE: April 24, 2025 PRG EXECUTIVE SECRETARY: Karen L. Garner





	IM	IPROVEMENT PLANS FOR	
	SUPERIOR SE	ELF STORAGE - PHASE 3	
4250	TOWN CENTER DRIVE	EL DORADO HILLS, CALIFORNI	'A

ABBREVIATIONS & GENERAL NOTES

**SCALE** 

JOB NO. 2544-10-

SHEET 2 OF 14 03/13/24

#### **GENERAL NOTES:**

#### 12. CONCRETE CONSTRUCTION (CONTINUED)

2.00% (50:1)

GUIDE ONLY.

- I. THE GRADES SHOWN ON THE PLANS FOR SIDEWALKS OR ANY GRADES RELATING TO THE SIDEWALKS ARE INTENDED TO INDICATE THE FOLLOWING MAXIMUM SLOPES:
  - CROSS-SLOPE PERPENDICULAR TO THE DIRECTION OF TRAVEL:
  - SLOPE PARALLEL TO THE DIRECTION OF TRAVEL: 5.00% (20:1)
     THE GRADES SHOWN ON PLANS ARE INTENDED TO BE USED AS A
- i. PRIOR TO SETTING FORMS, THE CONTRACTOR SHALL CONFIRM THAT THE GRADES INDICATED WILL RESULT IN SLOPES CONSISTENT WITH THE ABOVE CRITERIA. SHOULD ANY DISCREPANCY APPEAR TO EXIST, THE CONTRACTOR SHALL ADJUST THE GRADES TO CONFORM TO THE ABOVE CRITERIA AND SHALL INFORM THE ENGINEER OF SUCH
- II. PRIOR TO PLACING CONCRETE THE CONTRACTOR SHALL CHECK THE LEVEL OF THE FORMS TO CONFIRM THAT THE AS—BUILT CONCRETE SLOPES WILL CONFORM TO THE ABOVE CRITERIA AND HE SHALL PLACE THE CONCRETE ACCORDINGLY. IT IS RECOMMENDED THAT CONSTRUCTION TOLERANCES USED BY THE CONTRACTOR RESULT IN SLOPES SLIGHTLY FLATTER THAN THE ABOVE CRITERIA, NOT STEEPER; YET THE CONCRETE SURFACES MUST PROPERLY DRAIN. THE ABOVE CRITERIA AND THE SLOPES SUGGESTED BY THE GRADES INDICATED ON THE PLANS ARE INTENDED TO REPRESENT MAXIMUM SLOPES
- J. SIDEWALKS ARE TO BE SET FLUSH WITH THE TOP OF ABUTTING CURBS UNLESS NOTED OTHERWISE.
- K. PCC PAVING SHALL BE CALTRANS CLASS "A" CONCRETE, AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 90. REGULATE WATER CONTENT OF MIX SO THAT MAXIMUM PENETRATION DOES NOT EXCEED 1.5 INCHES. PAVEMENT SLABS TO BE DOWELED AT ALL JOINTS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT FOR OWNER'S APPROVAL A COPY OF THE JOINT PLAN, DETAILING THE TYPES AND LOCATIONS OF CONSTRUCTION, CONTROL AND EXPANSION JOINTS.
- L. SITE CONCRETE
- i. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI-318.
   ii. POPORTLAND CEMENT SHALL COMPLY WITH ASTM C150 TYPE II (25% OF PORTLAND CEMENT SHALL BE REPLACED WITH COAL FLY ASH
- iii. CONCRETE FOR EXTERIOR FLAT WORK ON GRADE SHALL HAVE MINIMUM STRENGTH = 3,500 PSI @ 28 DAYS AND MAXIMUM WATER-CEMENT RATIO = 0.50.
- iv. MAXIMUM AGGREGATE SIZE SHALL BE 1".
- v. CONCRETE MIX SHALL CONTAIN A MINIMUM OF 5 SACKS PER YARD.
- vi. 7-DAY MINIMUM WET CURING TIME.

COMPLYING WITH ASTM C618).

- vii. A MECHANICAL VIBRATOR SHALL BE USED TO VIBRATE CONCRETE INTO PLACE.
- viii. FORM REMOVAL AT 2 DAYS MINIMUM.
- ix. REINFORCEMENT REQUIREMENTS:
- ALL DEFORMED BARS SHALL BE A-615 GRADE 60.
   LAP SPLICES SHALL BE 45 BAR DIAMETERS.
- x. MINIMUM CONCRETE COVER OF REINFORCING SHALL BE 3" FOR CONCRETE CAST AGAINST EARTH, 2" FOR CONCRETE EXPOSED TO

#### 13. PAVING

- A. ALL ASPHALT CONCRETE SHALL CONFORM TO CALTRANS PERFORMANCE GRADED (PG) SYSTEM MEETING PG 64-10 FOR INLAND VALLEY AREAS. ASPHALTIC CONCRETE SHALL BE PLACED IN 3" MAXIMUM LIFTS. USE 3/4 INCH MAXIMUM, MEDIUM AGGREGATE. ALL PAVING WITHIN CITY R/W SHALL CONFORM TO CITY STANDARDS. ALL AGGREGATE BASE SHALL BE CALTRANS CLASS 2, 3/4 INCH MAXIMUM; OMIT PENETRATION TREATMENT. AGGREGATE SUBBASE SHALL BE CALTRANS CLASS 2. RELATIVE COMPACTION OF BASE AND SUBBASE MATERIALS SHALL NOT BE LESS
- B. ALL EXISTING PAVEMENT TO BE JOINED TO NEW PAVEMENT SHALL BE SAW CUT TO A NEAT, STRAIGHT LINE A MINIMUM OF ONE (1) FOOT FROM THE EXISTING EDGE OF PAVEMENT OR FIRM STABLE SURFACE AS DEFINED WITH FIELD INSPECTION. THE EXPOSED EDGE SHALL BE TACKED WITH ASPHALTIC EMULSION PRIOR TO PAVING. THE EXISTING BASE ROCK AND PAVEMENT SHALL BE REMOVED TO THE FULL DEPTH OF THE NEW SECTION.
- A TACK COAT SHALL BE APPLIED TO ALL VERTICAL SURFACES OF EXISTING PAVEMENT, CURBS, GUTTERS AND CONSTRUCTION JOINTS IN THE SURFACING AGAINST WHICH ADDITIONAL MATERIAL IS TO BE PLACED, TO A PAVEMENT TO BE SURFACED, AND TO OTHER SURFACES DESIGNATED BY THE ENGINEER.
- C. NO PAVEMENT WORK SHALL OCCUR WITHIN THE STREET RIGHT-OF-WAY PRIOR TO COMPLETION OF UTILITY POLE RELOCATION OR REMOVAL. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK TO ENSURE THAT ALL UNDERGROUND UTILITIES ARE INSTALLED PRIOR TO PAVING.
- D. PAVEMENT REINFORCING FABRIC INSTALLATION SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATIONS SECTION 39-4.03, USING GRADE AR-4000 PAVING ASPHALT AS THE BINDER. BEFORE APPLYING BINDER. ALL VEGETATION SHALL BE REMOVED FROM THE EDGE OF PAVEMENT. CRACKS LARGER THAN 3/16 INCH MUST BE CLEANED WITH COMPRESSED AIR AND FILLED WITH SS1 ASPHALTIC EMULSION AND COVERED WITH SAND. ALL EXISTING THERMOPLASTIC LIMIT LINES, CROSSWALKS, AND LEGENDS APPLIED TO THE ROAD SURFACE SHALL BE SCARIFIED PRIOR TO PLACING THE OVERLAY. SCARIFICATION SHALL BE PERFORMED BY GRINDING SUCH THAT NO LESS THAN 20% OF THE UNDERLYING PAVEMENT IS EXPOSED. ALL MATERIAL RESULTING FROM THE GRINDING OPERATIONS OF TRAFFIC MARKINGS BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF. LARGE CRACKS, SPALLS AND CHUCKHOLES IN EXISTING PAVEMENT SHALL BE REPAIRED. THE ENTIRE OVERLAY PAVING SURFACE SHALL BE FREE OF WATER AND SHALL BE SWEPT CLEAN IMMEDIATELY PRIOR TO BINDER
- PAVEMENT REINFORCING FABRIC SHALL BE PHILLIPS PETROMAT, AMOCO AMOPAVE, OR AN ENGINEER APPROVED EQUIVALENT. REQUESTS FOR FABRIC SUBSTITUTIONS WILL NOT BE ACCEPTED AFTER THE BID OPENING.

#### E. NO SAND SEAL IS REQUIRED.

F. ASPHALT PLANING SHALL BE PERFORMED BY A GRINDING—PROCESS, COLD PLANING MACHINE WHICH SHALL HAVE A MINIMUM CUTTING WIDTH OF 72—INCHES AND SHALL BE OPERATED SO AS NOT TO PRODUCE FUMES OR SMOKE. THE COLD PLANING MACHINE SHALL BE CAPABLE OF PLANING THE PAVEMENT WITHOUT REQUIRING THE USE OF A HEATING DEVICE TO SOFTEN THE PAVEMENT DURING OR PRIOR TO THE PLANING OPERATION. THE CONTRACTOR SHALL MAINTAIN ALL CUTTING TEETH TO INSURE A UNIFORM AND CLEAN CUT.

IN ALL CASES, THE CROSS—SECTIONAL PLANED SURFACE SHALL NOT VARY BY MORE THAN 1/4—INCH WHEN COMPARED TO A STRAIGHT EDGE. THE OUTSIDE LINES OF THE PLANED AREA SHALL BE NEAT AND UNIFORM AND THE REMAINING ROAD SURFACE SHALL NOT BE DAMAGED IN ANY WAY. WHERE THE COLD PLANING MACHINE LEAVES A "SLIVER" OF UNGROUNDED PAVEMENT AT THE LIP OF GUTTER, THAT "SLIVER" SHALL BE REMOVED BY HAND PRIOR TO PLACEMENT OF THE NEW ASPHALT CONCRETE.

STREETS TO BE OVERLAID SHALL BE COLD PLANED TO THE DEPTH
BELOW THE EXISTING LIP OF GUTTER SPECIFIED ON THE PLANS AND
TAPERED TO ZERO AT 6 FEET FROM THE LIP OF GUTTER. BOTH ENDS
OF THE STREETS TO BE OVERLAID AND SIDE STREETS SHALL ALSO BE
COLD PLANED AS SHOWN ON THE PLANS (CONFORM PLANING). THE
CONFORM PLANING SHALL BE MADE IN A STRAIGHT LINE PERPENDICULAR
TO THE CENTER LINE OF THE STREET. ALL EXISTING ASPHALT ON
CONCRETE GUTTERS ADJACENT TO PLANING SHALL ALSO BE REMOVED.

PAVEMENT FAILURE REPAIR WORK SHALL CONSIST OF GRINDING OUT EXISTING ASPHALT CONCRETE PAVEMENT AND REPLACING THE ASPHALT CONCRETE AS INDICATED ON THE PLANS. PAVEMENT REPAIRS WILL HAVE DIMENSIONS IN 6-FOOT INCREMENTS OF WIDTH TO ACCOMMODATE USE OF COLD PLANING MACHINE.

THE CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANED MATERIAL FROM THE WORK SITE AND DISPOSE OF THE MATERIAL. THE REMOVAL CREW SHALL REMOVE ALL PLANED MATERIAL AND SWEEP CLEAN ALL PLANED AND ADJACENT SURFACES WHILE REMAINING WITHIN 100 FEET OF THE PLANER.

WHERE TRANSVERSE JOINTS ARE PLANED IN THE PAVEMENT AT CONFORM LINES, NO DROP-OFF SHALL REMAIN BETWEEN THE EXISTING PAVEMENT AND THE PLANED AREA WHEN THE PAVEMENT IS OPENED TO PUBLIC TRAFFIC. IF NEW ASPHALT CONCRETE HAS NOT BEEN PLACED TO THE LEVEL OF EXISTING PAVEMENT BEFORE THE PAVEMENT IS TO BE OPENED TO THE PUBLIC, A TEMPORARY PAVING RAMP SHALL BE PLACED TO THE LEVEL OF THE EXISTING PAVEMENT AND TAPERED ON A SLOPE OF 18:1 OR FLATTER TO THE LEVEL OF THE PLANED AREA. TEMPORARY RAMPS SHALL REMAIN IN PLACE NO LONGER THAN 7 DAYS.

ASPHALT CONCRETE FOR RAMPS SHALL BE COMMERCIAL QUALITY AND MAY BE SPREAD AND COMPACTED BY ANY METHOD THAT WILL PRODUCE A SMOOTH TRANSITION IN THE RIDING SURFACE. ASPHALT CONCRETE RAMPS SHALL BE COMPLETELY REMOVED, INCLUDING REMOVING ALL LOOSE MATERIAL FROM THE UNDERLYING SURFACE, BEFORE PLACING THE PERMANENT SURFACING. KRAFT PAPER, OR OTHER APPROVED BOND BREAKER, MAY BE PLACED UNDER THE TEMPORARY RAMPS TO FACILITATE THE REMOVAL OF THE RAMPS.

- G. AC LIFT THICKNESS PER SECTION 39, CALTRANS STANDARD SPECIFICATIONS.
- H. WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS, THE PAVEMENT SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE CITY ENCINEER OR CALTERNS WHERE APPLICABLE
- ENGINEER OR CALTRANS, WHERE APPLICABLE.

  I. ALL TRAFFIC DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO PLACEMENT OF THE TOP LIFT OF AC PAVING. THERE SHALL BE NO CUTS IN THE TOP LIFT OF AC.
- J. REFER TO GEOTECHNICAL REPORT FOR USE OF PULVERIZED CONCRETE AND ASPHALT PAVEMENT AS SUBBASE MATERIAL.
- K. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK TO ENSURE THAT ALL UNDERGROUND UTILITIES ARE INSTALLED PRIOR TO PAVING.
- L. BETWEEN THE PLAN SPECIFIED GRADE CONTROL POINTS AND LINES, THE FINISHED PAVING SURFACE SHALL HAVE A UNIFORM SLOPE FROM SURFACE DRAINAGE HIGH POINTS AND RIDGE LINES TO GUTTERS AND DRAINAGE INLETS.
- M. REFER TO "EARTHWORK" NOTES FOR SUBGRADE PREPARATION REQUIREMENTS.
- N. WHEN NEW PAVING IS COMPLETED, IT SHALL BE SUBJECTED TO A FLOOD TEST SHOWING THE SURFACE FREE OF STANDING WATER OR PUDDLES. SHOULD ANY PUDDLING OCCUR, REPAVE IN SUCH A MANNER AS TO CORRECT THE PROBLEM. METHOD OF REPAVING SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

#### 14. LANSCAPING

A. FINISHED GRADE SHOWN ON CIVIL PLANS IS TOP OF FINISHED LANDSCAPE MATERIAL. ALL LANDSCAPE AREAS SHALL BE GRADED TO ACCOMMODATE THICKNESS OF LANDSCAPE MATERIALS SUCH THAT TOP OF LANDSCAPE MATERIALS DOES NOT BLOCK DRAINAGE.

B. AREAS WHERE LANDSCAPE IS ADJACENT TO HARDSCAPE, FINISHED

- GRADE OF LANDSCAPE MATERIAL SHALL BE DEPRESSED A MINIMUM OF 1" OR AS SHOWN ON PLANS.
- C. ENGINEER SHALL VERIFY GRADING PRIOR TO PLACEMENT OF LANDSCAPE MATERIALS.

#### 15. PIPELINES

- A. ALL GRAVITY FLOW PIPELINES TO BE LAID UPGRADE FROM THE LOWEST POINT STARTING AT THE END OF EXISTING IMPROVEMENTS.
- B. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.
- C. UNLESS NOTED OTHERWISE, SITE PIPELINE LIMIT OF WORK AT BUILDING UTILITY POINT OF CONNECTION SHALL BE 5—FEET OUTSIDE THE BUILDING EXTERIOR WALL.

#### 16. ADJUSTING EXISTING UTILITIES

- A. THE CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT TO GRADE ALL EXISTING UTILITY STRUCTURES, INCLUDING VAULTS, BOXES AND MANHOLE FRAME AND COVER SETS, VALVE BOXES AND MONUMENT BOXES, WITHIN THE WORK AREA UNLESS NOTED OTHERWISE.
- B. ALL MANHOLE FRAME AND COVER SETS, WATER VALVE BOXES AND MONUMENT BOXES WITHIN THE WORK AREA THAT DO NOT MEET CURRENT CITY REQUIREMENTS SHALL BE REMOVED AND REPLACED TO CONFORM TO CITY STANDARDS. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CITY INSPECTOR AND WITH THE ENGINEER.

#### 17. SANITARY SEWER SYSTEM

- A. UNLESS SPECIFIED OTHERWISE, ALL SEWER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH EL DORADO IRRIGATION DISTRICT STANDARDS.
- B. ALL SEWER SERVICES SHALL BE MARKED WITH A 2" X 2" STAKE AT THE END OF EACH SERVICE AND A 2 INCH HIGH "S" STAMPED IN THE TOP OF THE CURB.
- C. ALL SEWER MAINS AND SERVICES SHALL BE AIR TESTED TO THE SATISFACTION OF THE ENGINEER AFTER AGGREGATE BASE PLACEMENT IS COMPLETED. SEWER PLUGS TO BE WING NUT TYPE, E-Z TEST OR APPROVED EQUIVALENT. MAINS SHALL BE BALLED AND FLUSHED PER CITY STANDARDS. PRIOR TO STARTING THE CLEANING OPERATION, A FINE MESH WIRE SCREEN SHALL BE PLACED AT THE EXTREME DOWNSTREAM MANHOLE TO PREVENT DEBRIS FROM ENTERING THE EXISTING CITY SEWER SYSTEM.
- D. TV INSPECTION OF SEWERS, INCLUDING VIDEO RECORDINGS, SHALL BE PROVIDED BY THE CONTRACTOR. TV INSPECTION SHALL INCLUDE MAINS, SERVICES AND CLEANOUTS.
- E. EACH STUB END PIPE SHALL BE PLUGGED WITH A PREFABRICATED, WATERTIGHT PLUG. PLUG SHALL BE GLADDING-MCBEAN SPEED-SEAL CLAY STOPPER OR MISSION CLAY PRODUCTS STD. BAND-SEAL COUPLING WITH PLASTIC SHEAR RING AND ABS STOPPER. "POLYCAP" AND "SPEED-CAP" STOPPERS ARE NOT ACCEPTABLE.
- F. BUILDING SEWER CLEANOUTS SHALL BE LOCATED AND INSTALLED IN ACCORD WITH THE UNIFORM PLUMBING CODE AND SHALL BE EXTENDED TO GRADE.
- G. ALL GRAVITY SEWER PIPE WITHIN PUBLIC RIGHT OF WAY SHALL CONFORM WITH CITY STANDARDS.
- H. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SEWER LATERAL LOCATIONS WITH THE DESIGN ENGINEER PRIOR TO

#### 18. STORM DRAIN SYSTEM

- A. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING AND ACCEPTED BY THE COUNTY.
- B. UNLESS NOTED OTHERWISE, ALL STORM DRAIN PIPE SHALL BE PRECAST REINFORCED CONCRETE PIPE, CAST—IN—PLACE CONCRETE PIPE (CIPP), PVC, OR HIGH DENSITY POLYETHYLENE PIPE (HDPE). ALL STORM DRAIN WITHIN PUBLIC RIGHT OF WAY SHALL CONFORM WITH COUNTY STANDARDS
- C. EACH STUB END PIPE SHALL BE PLUGGED WITH A PREFABRICATED, WATERTIGHT PLUG.
- D. THE WALLS OF D.I.'S AND OF MANHOLES FUNCTIONING AS D.I.'S SHALL BE PERFORATED WITH 4 2 INCH DIAMETER HOLES PER WALL AT THE LEVEL OF THE BOTTOM OF THE AB UNDER THE ADJOINING PAVEMENT TO ALLOW FOR THE ESCAPE OF ANY WATER THAT MAY BUILD UP AROUND
- E. CONTRACTOR SHALL MARK ALL NEW AND EXISTING STORM DRAIN INLETS WITH APPROVED POLLUTION PREVENTION MESSAGES. SPECIFIC PLACEMENT OF MARKERS WILL BE AS DIRECTED BY THE CITY INSPECTOR.
- F. STORM DRAIN MANHOLES SHALL BE CONSTRUCTED PER COUNTY OF EL DORADO STANDARD DETAILS FOR PIPES SMALLER THAN 30" IN DIAMETER, AND PER COUNTY OF EL DORADO STANDARD DETAILS FOR PIPE 30" IN DIAMETER AND GREATER.

#### 19. WATER SYSTEM

- A. UNLESS SPECIFIED OTHERWISE, ALL WATER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH EL DORADO IRRIGATION DISTRICT STANDARDS.
- B. WATER LINE INSTALLATION SHALL ACCOMMODATE GRAVITY FLOW PIPELINES INCLUDING SEWER SERVICES AND SHALL MAINTAIN A MINIMUM COVER OF 4 FEET FROM FINISHED GRADE WITHIN THE PUBLIC RIGHT OF WAY AND 3 FEET IN ALL OTHER AREAS.
- C. FIRE HYDRANT INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS.
- D. REDUCED PRESSURE BACK FLOW PREVENTION DEVICES FOR EACH LANDSCAPE IRRIGATION WATER SERVICE WILL BE INSTALLED BY THE LANDSCAPE IRRIGATION CONTRACTOR.
- E. THE WATER DISTRIBUTION SYSTEM SHALL CONFORM TO THE EL DORADO IRRIGATION DISTRICT SPECIFIC PROVISIONS. PVC WATER MAIN FOR FIRE SYSTEM SHALL BE C900, CL 235. ALL T—BOLTS ON MECHANICAL JOINT FITTINGS AND MACHINE BOLTS ON FLANGE FITTINGS SHALL BE COATED WITH MASTIC AND WRAPPED IN 8 ML PLASTIC. T—BOLTS, MACHINE BOLTS AND ALL THREAD RODS UNDER BUILDING SLABS SHALL BE STAINLESS STEEL WITH THE FITTING WRAPPED IN 8 ML PLASTIC.
- F. PROVIDE EXTERIOR CONTROL VALVES FOR EACH SPRINKLER SYSTEM (WALL MOUNTED P.I.V OR STANDARD P.I.V. PER FIRE PROTECTION PLANS)
- G. ALL ON-SITE FIRE MAINS SHALL BE PVC CLASS 235 C-900.

#### 20. EXISTING SIGNS

- A. THE PROTECTION AND MAINTENANCE OF EXISTING SIGNS AND THE REMOVAL, PROTECTION, STORAGE AND RESETTING OF CITY TRAFFIC SIGNS THAT ARE AFFECTED BY THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AS DIRECTED BY THE CITY ENGINEER. PRIVATE SIGNS, TRAFFIC SIGNS, AND TRAFFIC CONTROL FACILITIES EXISTING WITHIN THE LIMITS OF THE PROJECT SHALL NOT BE MOVED EXCEPT AS NECESSARY TO PREVENT THEM FROM BEING DAMAGED BY CONSTRUCTION OPERATIONS. WHEN A SIGN NEEDS TO BE REMOVED BECAUSE IT INTERFERES WITH THE CONTRACTOR'S WORK, IT SHALL BE DONE IN ONE OF THE FOLLOWING DESCRIBED MANNERS:
- STOP SIGNS SHALL BE MAINTAINED IN THEIR EXISTING POSITIONS. ANY STOP SIGN WHICH MUST BE MOVED FROM ITS EXISTING POSITION AND REINSTALLED IN A NEW POSITION, MUST BE APPROVED BY THE CITY ENGINEER BEFORE SAID STOP SIGN IS MOVED
- TRAFFIC SIGNS AND TRAFFIC CONTROL FACILITIES, OTHER THAN STOP SIGNS, NECESSARY FOR THE CONTROL OF TRAFFIC DURING THE PROJECT SHALL BE MAINTAINED IN PLACE IN AN UPRIGHT POSITION AND LOCATED SO AS TO PROPERLY CONTROL TRAFFIC. WHENEVER IT IS NECESSARY TO REMOVE THEM FROM THEIR PERMANENT LOCATION DUE TO CONSTRUCTION WORK, THEY SHALL BE REINSTALLED IN THEIR PERMANENT LOCATION AT THE EARLIEST POSSIBLE TIME. CONTROL OF TRAFFIC DURING THE TIME WHICH THE SIGNS ARE TEMPORARILY REMOVED SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- B. WHENEVER IT IS NECESSARY TO REMOVE A PRIVATELY OWNED SIGN OR A PUBLIC INFORMATION SIGN, ITS TEMPORARY RELOCATION AND ITS FINAL POSITIONING SHALL BE COORDINATED WITH THE SIGN OWNER AND, IF LOCATED WITHIN THE PUBLIC RIGHT—OF—WAY, WITH THE COUNTY ENGINEER.

#### 21. MAILBOXES

MAILBOXES AND NEWSPAPER TUBES WHICH ARE AFFECTED BY THE CONSTRUCTION SHALL BE REMOVED, TEMPORARILY RELOCATED AND FINALLY RESET. ALL MAILBOXES SHALL BE MAINTAINED IN AN UPRIGHT POSITION ADJACENT TO THE CONSTRUCTION AREA BETWEEN THE TIME THE MAILBOX IS REMOVED AND RESET IN ITS FINAL LOCATION. MAILBOXES SHALL BE RESET IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE LOCAL POSTMASTER; SUCH WORK SHALL BE COORDINATED WITH MAILBOX OWNERS.

#### 22. PRESERVATION OF PROPERTY

TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED, AND POLE LINES, FENCES, SIGNS, SURVEY MARKERS AND MONUMENTS, BUILDINGS AND STRUCTURES, CONDUITS, PIPELINES, ALL STREET FACILITIES, AND ANY OTHER IMPROVEMENTS OR FACILITIES WITHIN OR ADJACENT TO THE STREET OR CONSTRUCTION AREA SHALL BE PROTECTED FROM INJURY OR DAMAGE, AND UPON ORDER BY THE CITY ENGINEER, THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN SAFEGUARDS SUCH AS PROTECTIVE FENCING OR OTHER SUITABLE BARRIERS APPROVED BY THE CITY ENGINEER TO PROTECT SUCH OBJECTS FROM INJURY OR DAMAGE. IF SUCH OBJECTS ARE INJURED OR DAMAGED BY REASON OF THE CONTRACTOR'S OPERATIONS. THEY SHALL BE REPLACED OR RESTORED AT THE CONTRACTOR'S EXPENSE. THE FACILITIES SHALL BE REPLACED OR RESTORED TO A CONDITION AS GOOD AS WHEN THE CONTRACTOR ENTERED UPON THE WORK. OR AS GOOD AS REQUIRED BY THE SPECIFICATION ACCOMPANYING THE CONTRACT, IF ANY SUCH OBJECTS ARE A PART OF THE WORK BEING PERFORMED UNDER CONTRACT. THE CITY ENGINEER MAY MAKE OR CAUSE TO BE MADE SUCH TEMPORARY REPAIRS AS ARE NECESSARY TO RESTORE TO SERVICE ANY DAMAGED FACILITY. THE COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR.

#### 23. RECORD DRAWINGS

- A. "RECORD DRAWINGS" IS DEFINED AS BEING THOSE DRAWINGS MAINTAINED BY THE CONTRACTOR TO SHOW THE CONSTRUCTION OF A PARTICULAR STRUCTURE OR WORK AS ACTUALLY COMPLETED UNDER THE CONTRACT. "RECORD DRAWINGS" SHALL BE SYNONYMOUS WITH "AS—BUILT DRAWINGS". AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE THE ENGINEER ACCURATE INFORMATION TO BE USED IN THE PREPARATION OF PERMANENT RECORD DRAWINGS. FOR THIS PURPOSE, THE CONTRACTOR SHALL RECORD ON ONE SET OF CONTRACT DRAWING PRINTS ALL CHANGES FROM INSTALLATIONS ORIGINALLY INDICATED, AND RECORD FINAL LOCATIONS OF UNDERGROUND LINES BY DEPTH FROM FINISH GRADE AND BY ACCURATE HORIZONTAL OFFSET DISTANCES TO PERMANENT SURFACE IMPROVEMENTS SUCH AS BUILDINGS, CURBS OR EDGES OF WALKS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL AS—BUILT INFORMATION PREPARED BY SUBCONTRACTORS IS INCLUDED IN HIS RECORD DRAWINGS.
- B. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE COMPLETE SET OF UPDATED "RECORD DRAWING" IMPROVEMENT PLAN PRINTS. THESE PRINTS SHALL BE READILY AVAILABLE TO THE CITY AND TO THE ENGINEER. UPON COMPLETION OF THE PROJECT, AND PRIOR TO FINAL PAYMENT, THESE RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE ENGINEER.

#### 24. INSURANCE

CONTRACTOR SHALL MAINTAIN SUCH INSURANCE AS WILL PROTECT IT FROM CLAIMS UNDER WORKERS' COMPENSATION ACTS AND FROM CLAIMS FOR DAMAGES BECAUSE OF BODILY INJURY, INCLUDING DEATH, OR INJURY TO PROPERTY WHICH MAY ARISE FROM AND DURING THE OPERATION OF THIS CONTRACT. INSURANCE COVERAGE SHALL INCLUDE PROVISION OR ENDORSEMENT NAMING THE OWNER, THE ENGINEER AND HIS CONSULTANTS, AND EACH OF THEIR OFFICERS, EMPLOYEES AND AGENTS, EACH AS ADDITIONAL INSURED IN REGARDS TO LIABILITY ARISING OUT OF THE PERFORMANCE OF ANY WORK UNDER THE CONTRACT. A CERTIFICATE OF SUCH INSURANCE SHALL BE FURNISHED TO THE OWNER PRIOR TO COMMENCEMENT OF ANY WORK.

#### GENERAL WATER NOTES:

- 1. WORK SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION AND TO THE SATISFACTION OF THE EL DORADO IRRIGATION DISTRICT (EID).

  CONSTRUCTION SHALL CONFORM TO THESE PLANS AND EID'S LATEST VERSION OF THE TECHNICAL SPECIFICATIONS AND STANDARD DRAWINGS.
- 2. CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION CONFERENCE WITH EID INSPECTION 5 WORKING DAYS IN ADVANCE OF DOING WORK WITHIN THEIR JURISDICTION. CONSTRUCTION SHALL BE STARTED NO LATER THAN FIVE (5) DAYS AFTER THE PRECONSTRUCTION CONFERENCE.
- 3. LOCATION OF ALL UNDERGROUND FACILITIES ARE APPROXIMATE ONLY THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL FACILITIES PRIOR TO ANY EXCAVATION.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND FACILITIES AFFECTED BY THE WORK AND SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) 48 HOURS PRIOR TO ANY EXCAVATION WORK FOR DETERMINATION AND LOCATION OF UNDERGROUND UTILITIES (PHONE 1-800-642-2444).
- 5. CONNECTIONS TO EXISTING WATER FACILITY SHALL BE DONE BY A LICENSED CONTRACTOR IN ACCORDANCE WITH EID TIE—IN PROCEDURES PER TECHNICAL SPECIFICATION
- 6. WHERE EXCAVATIONS FOR ANY FACILITIES CONSTRUCTION EXCEED 5 FEET IN DEPTH, CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FORM CAL/OSHA IN SACRAMENTO (PHONE 1-916-263-2800) POST PERMIT AT THE CONSTRUCTION SITE AND COMPLY WITH ALL REQUIREMENTS.
- 7. THE CONTRACTOR SHALL NOTIFY EID INSPECTION 48 HOURS PRIOR TO START OR RESTART OF WORK.
- 8. ONLY EID PERSONNEL SHALL OPERATE ANY VALVES ON EXISTING WATER
- 9. THE TOTAL SITE REQUIRED FIRE FLOW IS \_\_\_ GPM AT 20 PSIG RESIDUAL.
- 10. BASED UPON A HYDRAULIC GRADE LINE OF \_\_\_ FT AT STATIC CONDITIONS AND \_\_\_ FT DURING FIRE FLOW AND MAXIMUM DAY DEMANDS, THE MAXIMUM AND MINIMUM PRESSURES ARE CALCULATED TO BE \_\_\_ PSI AND \_\_\_ PSI PSI PESPECTIVELY
- 11. PIPELINES SHALL BE DISINFECTED, FLUSHED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH EID'S TECHNICAL SPECIFICATION.
- 12. SERVICE INSTALLATIONS IN ROADWAYS WITH CUTS OR FILLS GREATER THAN 6
  FEET IN HEIGHT AND SLOPES STEEPER THAN 3:1 SHALL HAVE THE METER BOX
  SET AT FINISH GRADE NEXT TO THE ROAD IN LOCATION DIRECTED BY EID. THE
  SERVICE LINE SHALL THEN BE EXTENDED 5 FEET BEYOND THE SLOPE CATCH
  POINT WITH PVC SCHEDULE 40 SIZED TO MATCH THE SERVICE. PLACE STEEL
  T-POSTS PAINTED BLUE AT THE END OF THIS SERVICE LINE.
- 13. LIDS SHALL BE MARKED "WATER".
- 14. CURBS SHALL BE WET STAMPED WITH A "W" BRAND WHERE WATER SERVICES
- 15. CONTRACTOR SHALL HAVE A COPY OF EID'S CONSTRUCTION STANDARDS ON THE
- 16. REVISIONS TO THE DRAWINGS MUST BE APPROVED IN WRITING BY EID.
- 17. STAKING INFORMATION: MINIMUM SPACING SHALL BE 50 FEET (25 FEET IN RADIUS) UNLESS OTHERWISE DIRECTED BY EID. INFORMATION WILL INCLUDE OFFSET, TYPE OF FACILITY AND CUT TO FLOW LINE ON THE FRONT OF THE STAKE AND ELEVATION AND STATION NUMBER ON THE BACK. ANGLE POINTS AND APPURTENANCES TO BE STAKED INCLUDING LINE AND CURB STAKES AS NEEDED, CUT SHEETS REQUIRED WHERE SUBGRADE HAS NOT BEEN MADE.

#### EL DORADO HILLS FIRE PROTECTION DISTRICT NOTES:

- 1. THE INSTALLATION OF ALL ONSITE FIRE PROTECTION SYSTEMS SHALL BE IN ACCORDANCE WITH N.F.P.A. 24 AND FIRE DEPARTMENTS STANDARDS.
- 2. ALL ONSITE FIRE PROTECTION SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF N.F.P.A. 24, AND SHALL BE WITNESSED BY THE FIRE
- 3. THE INSTALLING CONTRACTOR, OR SUB—CONTRACTOR, FOR ALL ON—SITE FIRE PROTECTION SYSTEMS SHALL NOTIFY THE FIRE DEPARTMENT 24 HRS. IN ADVANCE OF REQUESTING A DATE AND TIME FOR INSPECTIONS.
- 4. IF PLASTIC PIPE IS INSTALLED FOR FIRE PROTECTION SYSTEMS, THE PIPE USED SHALL BE C-900 CLASS 200.
- 5. AFTER INSTALLATION, RODS, NUTS, BOLTS, WASHERS, CLAMPS, AND OTHER RESTRAINING DEVICES EXCEPT THRUST BLOCKS, USED ON ON—SITE FIRE PROTECTION SYSTEMS SHALL BE CLEANED AND THOROUGHLY COATED WITH A BITUMINOUS OR OTHER ACCEPTABLE CORROSION—RETARDING MATERIAL.
- 6. THE REQUIRED FIRE FLOW FOR THIS PROJECT IS \_\_\_ GPM WITH A 20 PSI
- 7. FIRE HYDRANTS SHALL BE LOCATED TO REACH ALL PORTIONS OF EACH BUILDING. FIRE DEPARTMENT CONNECTIONS (FDCs) SHALL BE LOCATED PER FIRE DISTRICT REQUIREMENTS.
- 8. HYDRANTS SHALL BE PAINTED SAFETY WHITE IN COLOR, WITH A BLUE REFLECTIVE DOT (MARKER) PLACED IN THE STREET AND HYDRANTS SHALL HAVE A MINIMUM OF 3 FEET (36 INCHES) OF UNOBSTRUCTED CLEARANCE AT ALL TIMES
- 9. PROPANE (LPG) PIPING DESIGN SHALL BE SUBMITTED AS A SEPARATE SUBMITTAL TO THE FIRE DEPARTMENT FOR REVIEW.

DESIGNED BY TCT

DRAWN BY MSW

CHECKED BY TCT

REV. DATE

DESCRIPTION

BY APP'D.

APPROVED

EL DORADO COUNTY

PLANNING COMMISSION

DATE: April 24, 2025

EXECUTIVE SECRETARY: Karen L. Garner

LAUGENOUR AND MEIKLE

CIVIL ENGINEERING · LAND SURVEYING · PLANNING

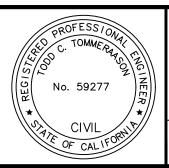
608 COURT STREET, WOODLAND, CALIFORNIA 95695 · PHONE: (530) 662–1755

P.O. BOX 828, WOODLAND, CALIFORNIA 95776 · FAX: (530) 662–4602

BY

TODD C. TOMMERAASON

DATE 03/13/24 P.E. 59277



SUPERIOR

4250 TOWN CENTER DRIVE

IMPROVEMENT PLANS FOR SUPERIOR SELF STORAGE — PHASE 3

SCALE N/A

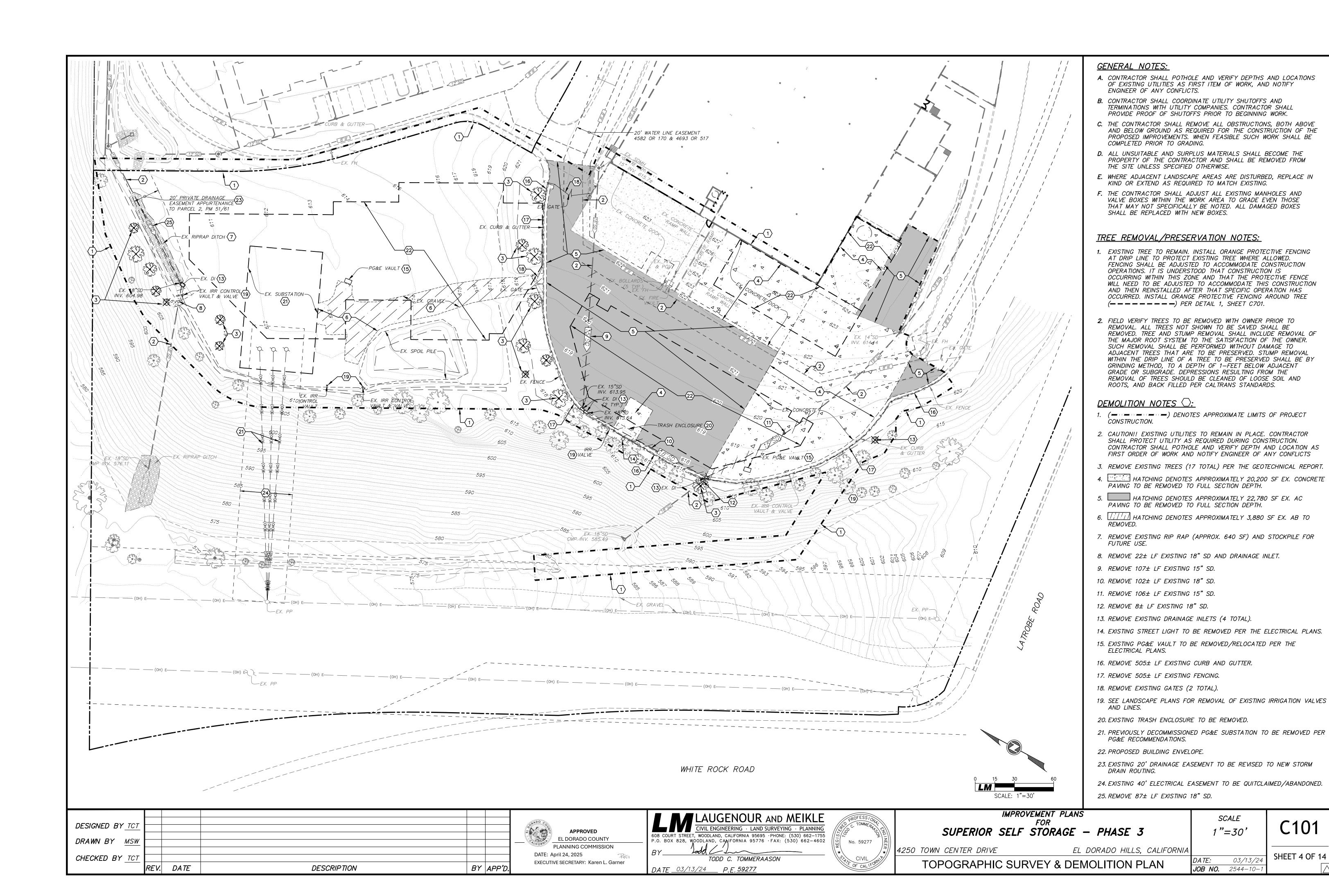
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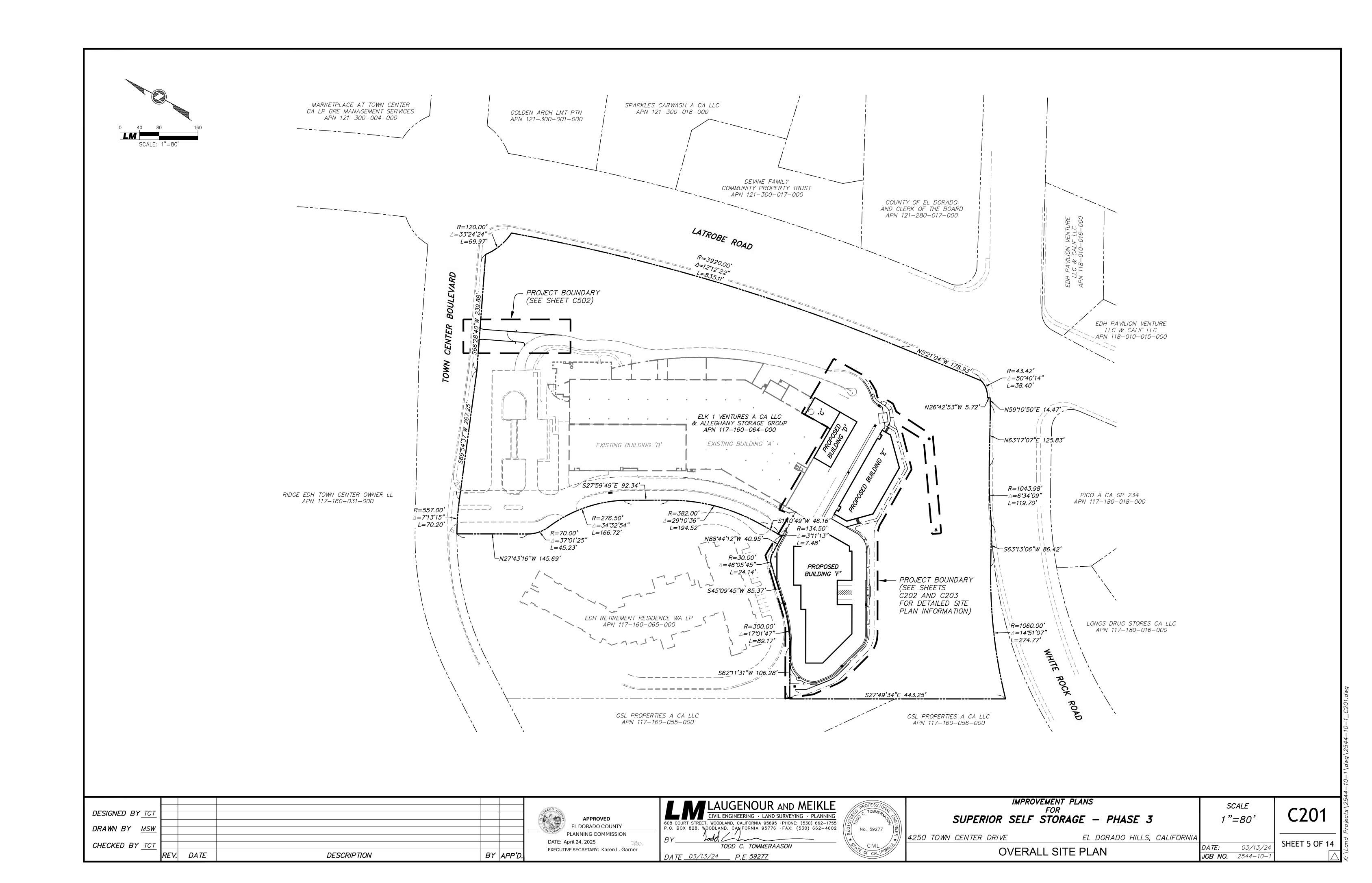
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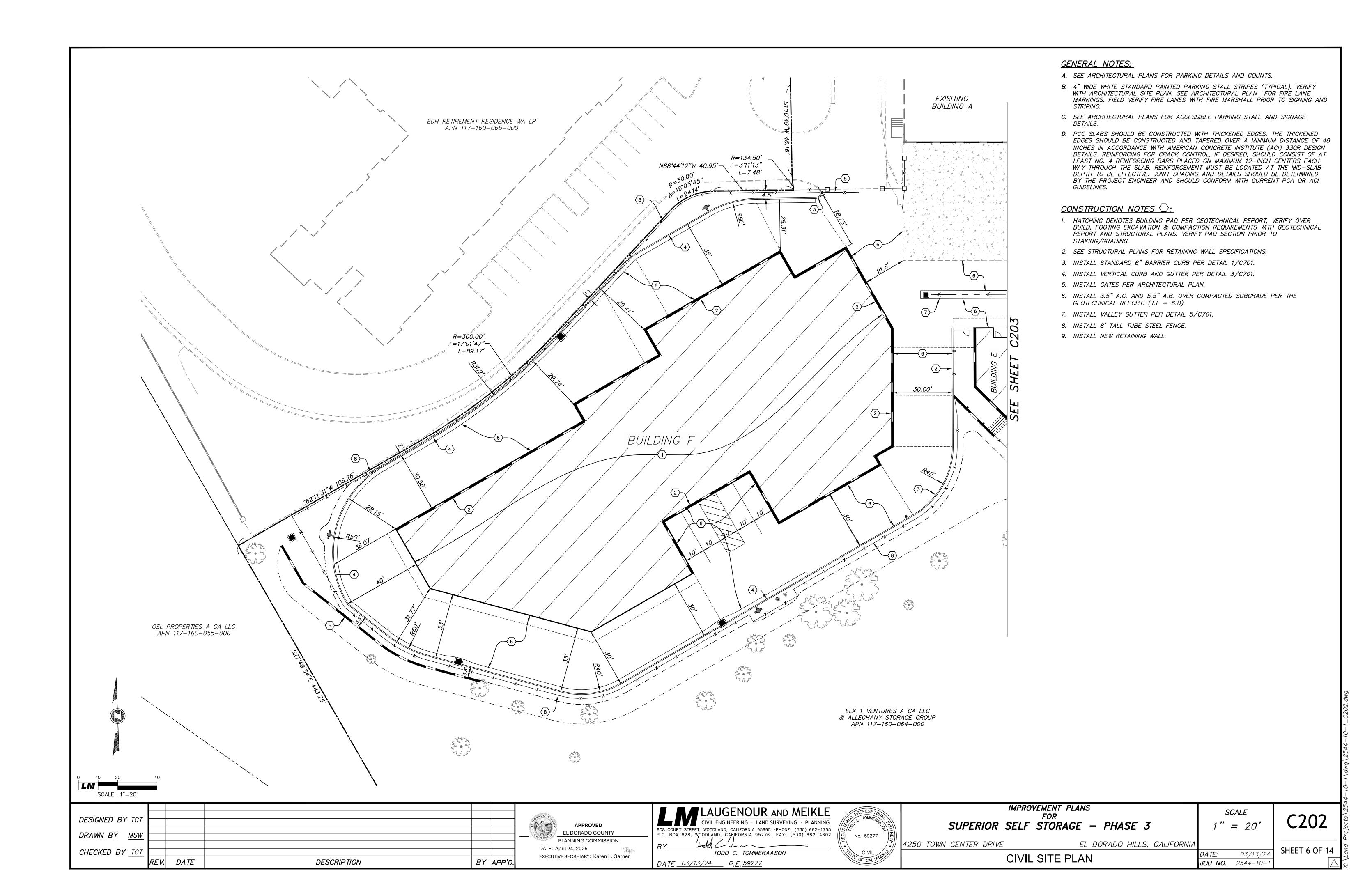
GENERAL NOTES

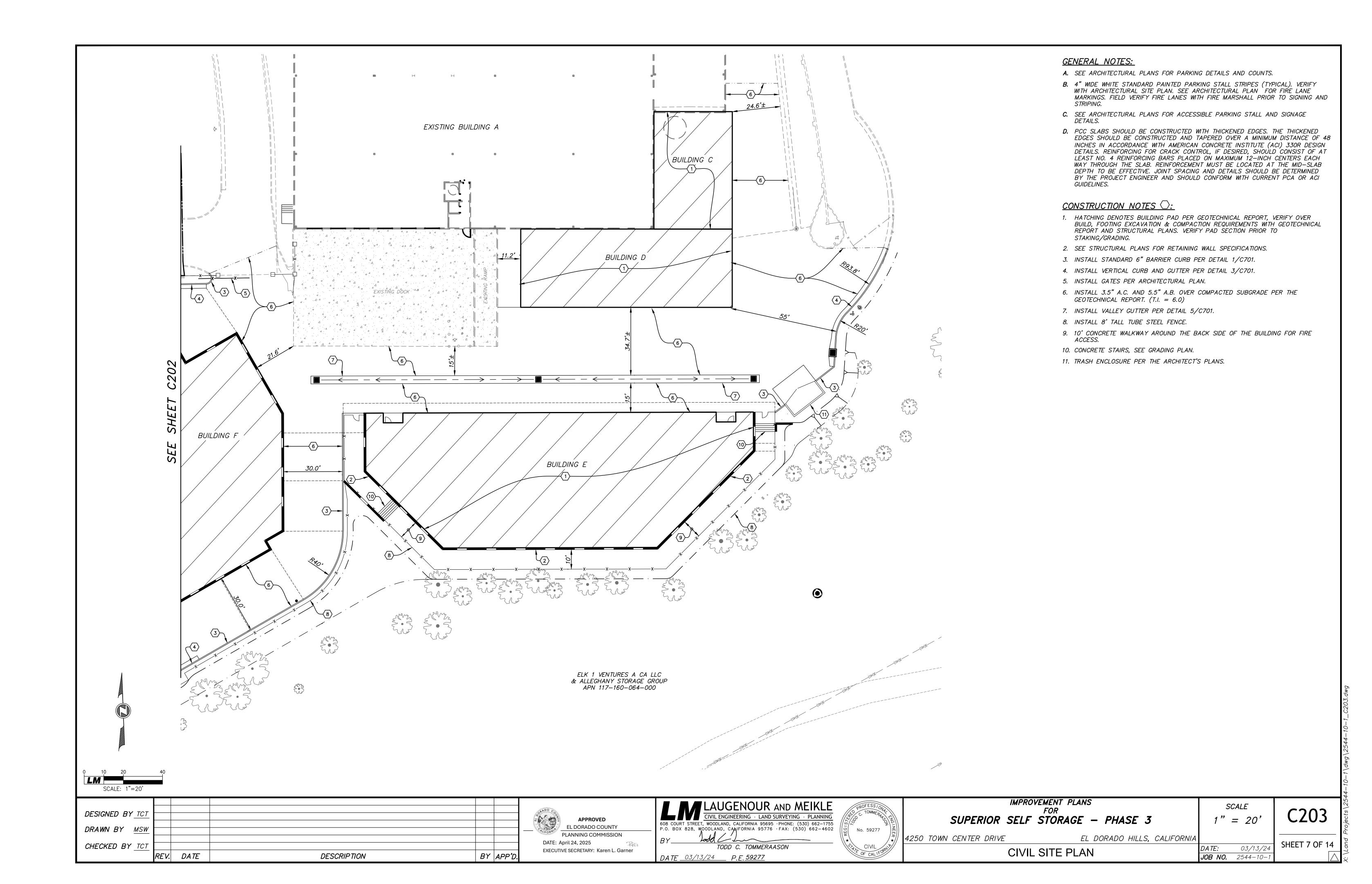
EL DORADO HILLS, CALIFORNIA

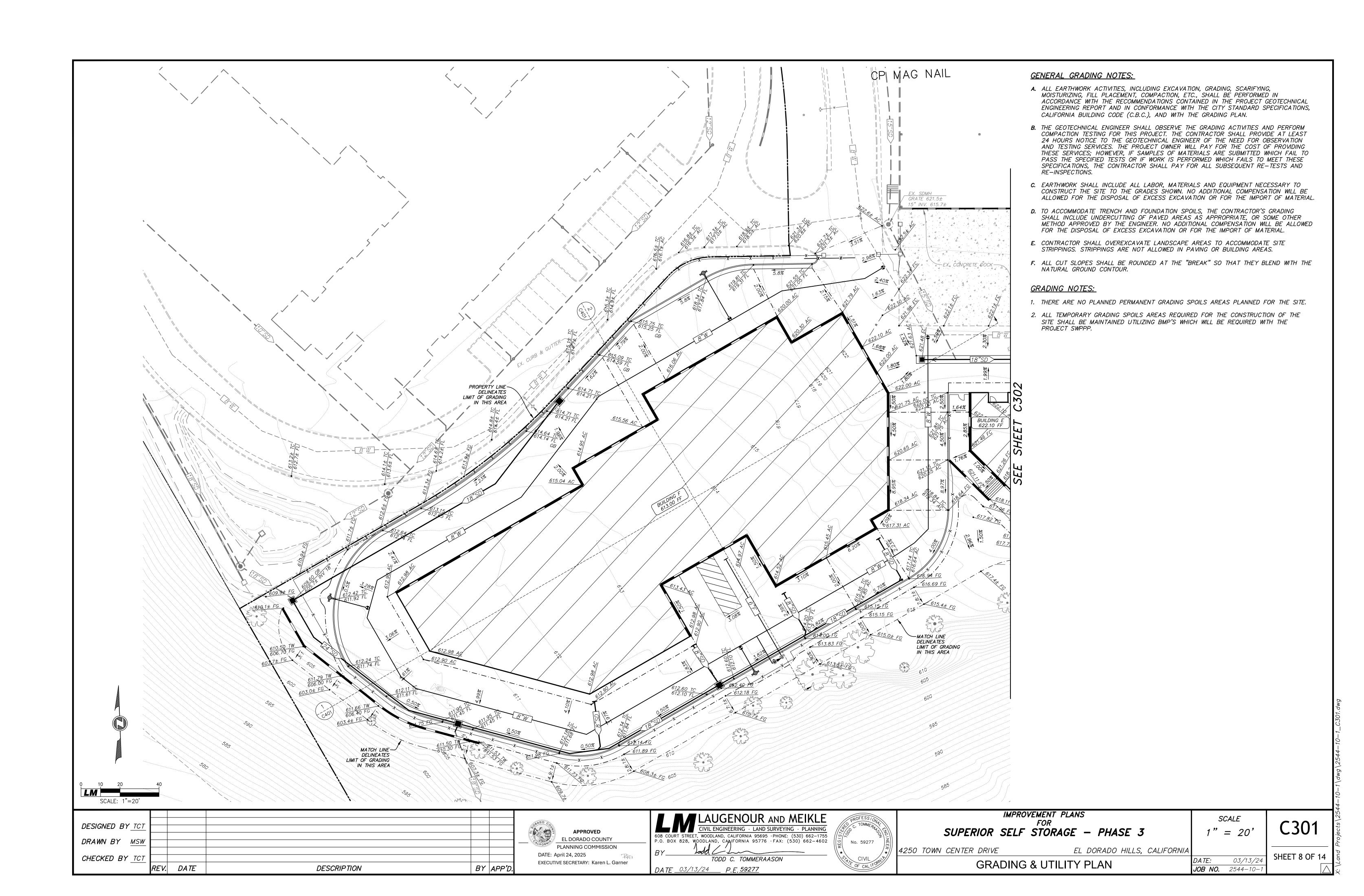
03/13/24 SHEET 3 OF 14

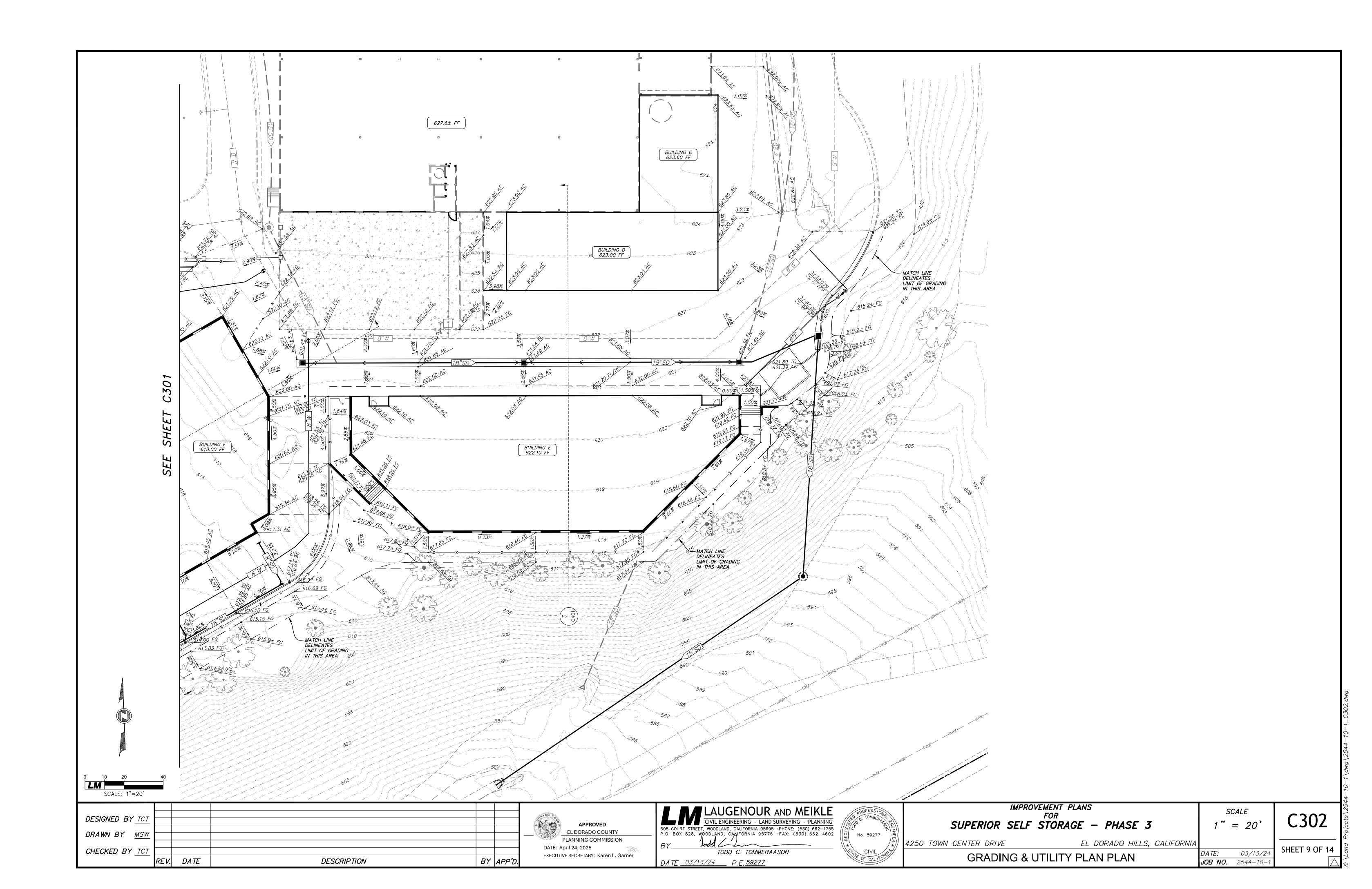


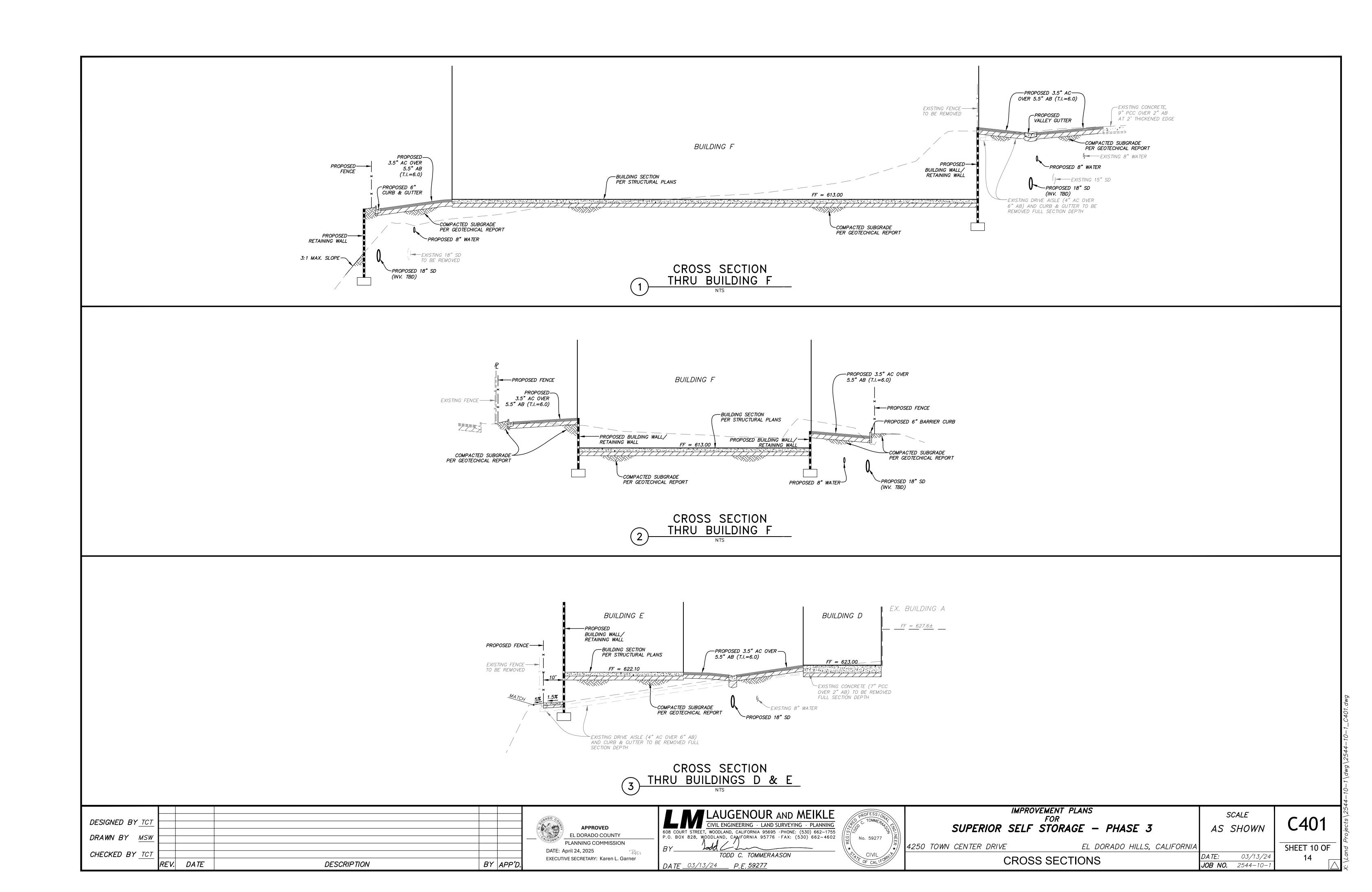


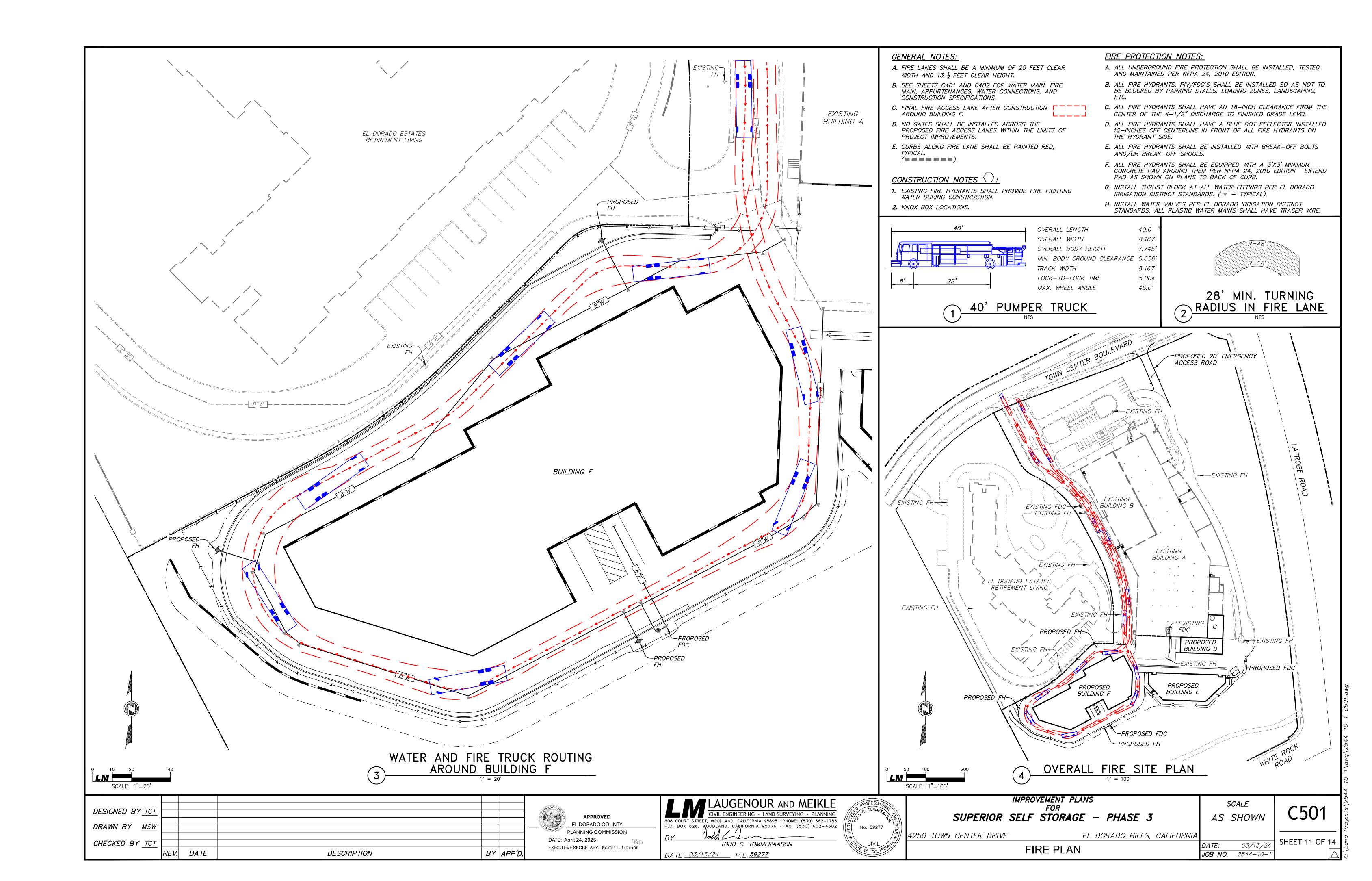


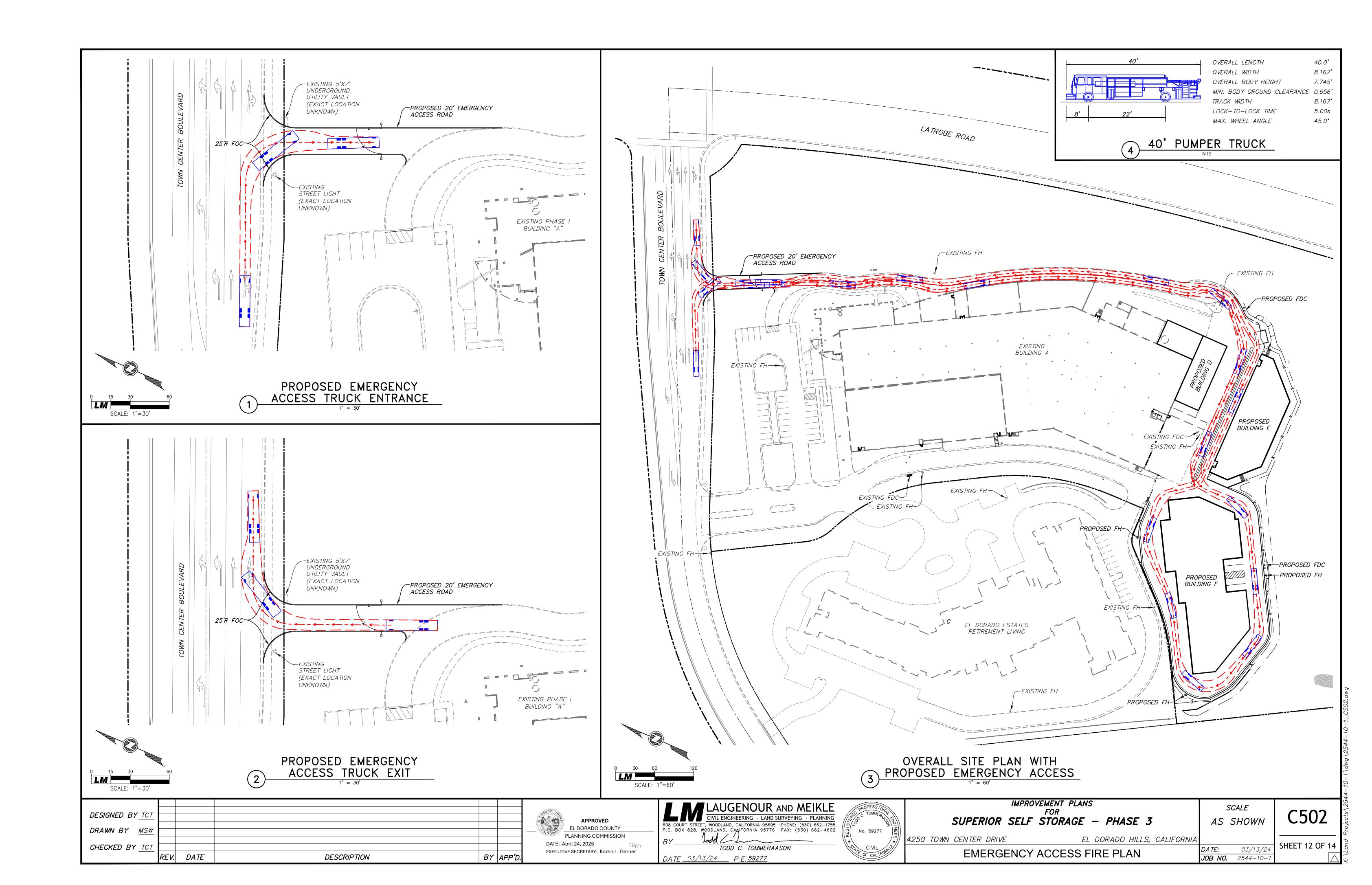


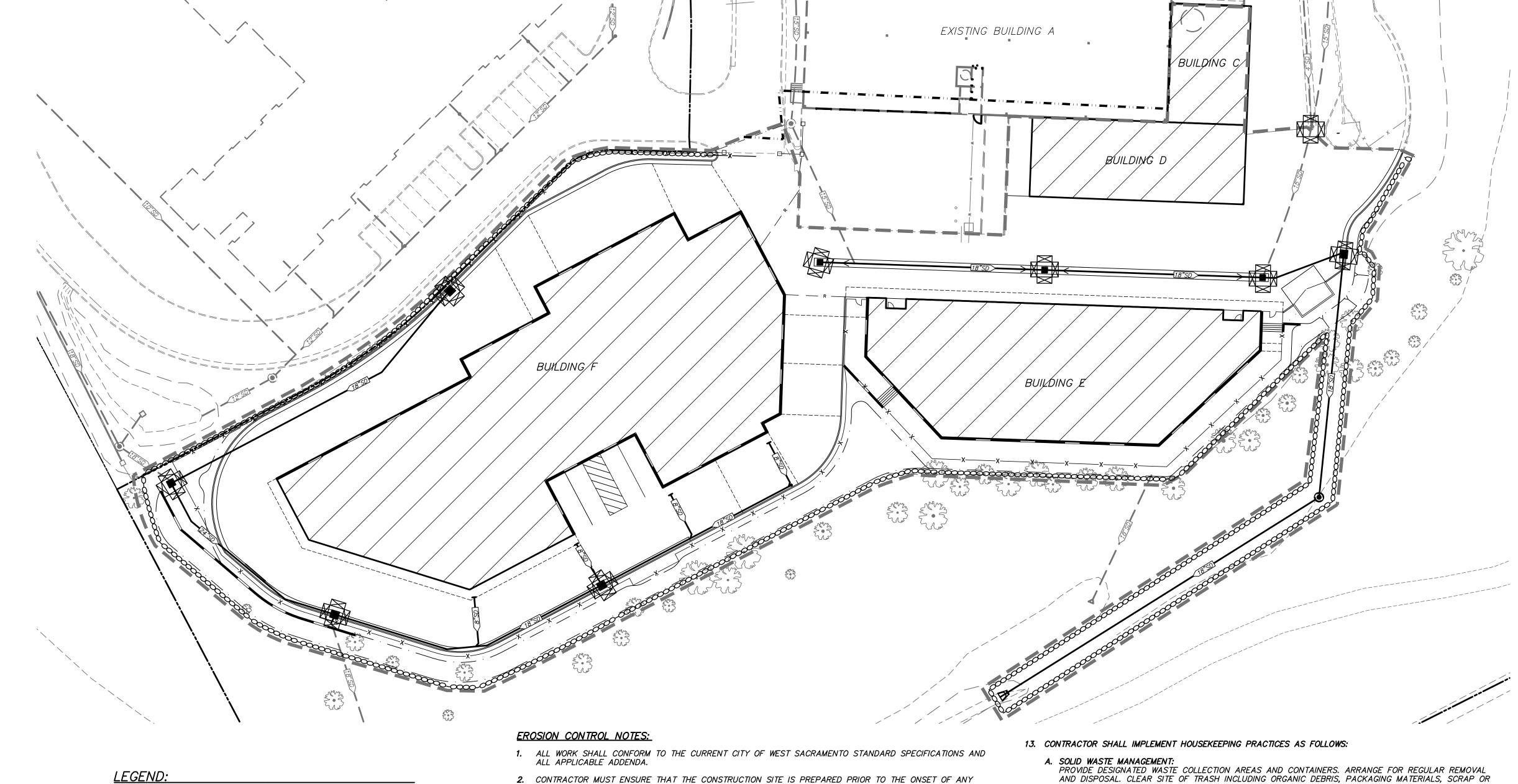












STORM DRAIN INLET PROTECTION PER CASQA SE-10

DRAINAGE FLOW

PER CASQA TC-1

*WM*−1 *TO WM*−5

LOCATION

SAMPLING TEST POINT

SSD #

REV. DATE

CONCRETE WASHOUT PIT MATERIAL

PLANNED STAGING, MATERIAL AND

WASTE STORAGE AREA AND SOLID

WASTE STORAGE AREA PER CASQA

FIBER ROLL PER CASQA SE-5

SITE STORMWATER DISCHARGE

PER CASQA WM-8 WITH POSTED SIGNS

LIMIT OF CLEARING AND GRADING

**DESCRIPTION** 

4. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE STABILIZED CONSTRUCTION ENTRANCE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.

ANY CONSTRUCTION ACTIVITIES.

ROAD BASE ROCK COURSE IS COMPLETED.

DEPARTMENT OF UTILITIES.

5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE

STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE PRIOR TO

6. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMP'S, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMP'S OR EROSION AND SEDIMENT CONTROL PLAN.

7. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.

8. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE

9. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY OR

10. CONTRACTOR SHALL PLACE INLET FILTER BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE INLET FILTER BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED. STRAW BALES OR GRAVEL BAGS SHALL BE PLACED AROUND ALL EXISTING DRAINAGE INLETS IN THE VICINITY OF PROJECT SITE.

- 11. CONTRACTOR SHALL PLACE SILT FENCING OR FILTER ROLL ALONG THE PERIMETER OF PROJECT SITE.
- 12. GRADING SHALL NOT OCCUR WHEN WIND SPEEDS EXCEED 20 MPH OVER A ONE (1) HOUR PERIOD.

- AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
- B. MATERIAL DELIVERY AND STORAGE: PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
- C. CONCRETE WASTE: PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
- D. PAINT AND PAINTING SUPPLIES: PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER
- E. VEHICLE FUELING, MAINTENANCE AND CLEANING: PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
- F. HAZARDOUS WASTE MANAGEMENT: PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

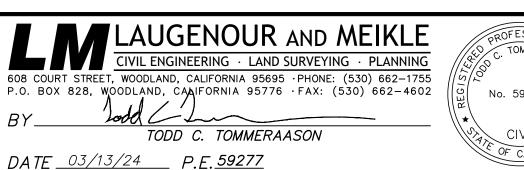
TOTAL DISTURBED AREA: <u>2.8 ACRES</u>

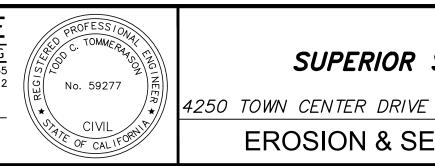
CASQA FACT SHEET	BMP NAME	REQUIRED
EC-1	SCHEDULING	✓
EC-2	PRESERVATION OF EXISTING VEGETATION	✓
EC-3	HYDRAULIC MULCH	
EC-4	HYDROSEEDING	✓
EC-5	SOIL BINDERS	
EC-6	STRAW MULCH	
EC-7	GEOTEXTILES AND MATS	
EC-8	WOOD MULCHING	
<i>EC−9</i>	EARTH DIKES AND DRAINAGE SWALES	
EC-10	VELOCITY DISSIPATION DEVICES	
EC-11	SLOPE DRAINS	
EC-12	STREAMBANK STABILIZATION	
EC-14	COMPOST BLANKET	
EC-15	SOIL PREPARATION/ROUGHENING	<b>√</b>
EC-16	NON-VEGETATIVE STABILIZATION	
WE-1	WIND EROSION CONTROL	<b>★</b>
SE-1	SILT FENCE	<u> </u>
SE-2	SEDIMENT BASIN	
SE-3	SEDIMENT TRAP	
SE-4	CHECK DAMS	
SE-5	FIBER ROLLS	<b>-</b>
SE-6	GRAVEL BAG BERM	<b>Y</b>
SE-7	STREET SWEEPING AND VACUUMING	<b>Y</b>
SE-8	SANDBAG BARRIER	<b>Y</b>
SE-0 SE-9	STRAW BAIF BARRIFR	
SE-9 SE-10	STORM DRAIN INLET PROTECTION	./
		<b>Y</b>
SE-11	ACTIVE TREATMENT SYSTEM (ATS)	
SE-12	TEMPORARY SILT DIKE	
SE-13	COMPOST SOCKS AND BERMS	
SE-14	BIOFILTER BAGS	
TC-1	STABILIZED CONSTRUCTION ENTRANCE/EXIT	<b>√</b>
TC-2	STABILIZED CONSTRUCTION ROADWAY	
TC-3	ENTRANCE/OUTLET TIRE WASH	
NS-1	WATER CONSERVATION PRACTICES	<b>√</b>
NS-2	DEWATERING OPERATIONS	✓
NS-3	PAVING AND GRINDING OPERATIONS	✓
NS-4	TEMPORARY STREAM CROSSING	
NS-5	CLEAR WATER DIVERSION	
NS-6	ILLICIT CONNECTION/DISCHARGE	✓
NS-7	POTABLE WATER/IRRIGATION	
NS-8	VEHICLE AND EQUIPMENT CLEANING	
NS-9	VEHICLE AND EQUIPMENT FUELING	✓
NS-10	VEHICLE & EQUIPMENT MAINTENANCE	✓
NS-11	PILE DRIVING OPERATIONS	
NS-12	CONCRETE CURING	<b>√</b>
NS-13	CONCRETE FINISHING	<b>→</b>
NS-14	MATERIAL OVER WATER	
NS-15	DEMOLITION ADJACENT TO WATER	
NS-16	TEMPORARY BATCH PLANTS	
WM-1	MATERIAL DELIVERY AND STORAGE	<b> </b>
 WM-2	MATERIAL USE	· ·
WM-3	STOCKPILE MANAGEMENT	· ·
WM-3 WM-4	SPILL PREVENTION AND CONTROL	<b>∀</b> ✓
		<b>Y</b>
WM-5	SOLID WASTE MANAGEMENT	<b>Y</b>
14/4 / -	HAZARDOUS WASTE MANAGEMENT	<b>Y</b>
WM-6	CONTANDATED COULTAINS CONT	
WM-7	CONTAMINATED SOIL MANAGEMENT	
	CONTAMINATED SOIL MANAGEMENT  CONCRETE WASTE MANAGEMENT  SANITARY/SEPTIC WASTE MANAGEMENT	<b>√</b>

SITE BMP's

SCALE: 1"=30' DESIGNED BY TOT DRAWN BY MSW CHECKED BY TOT

**APPROVED** EL DORADO COUNTY PLANNING COMMISSION DATE: April 24, 2025 EXECUTIVE SECRETARY: Karen L. Garner



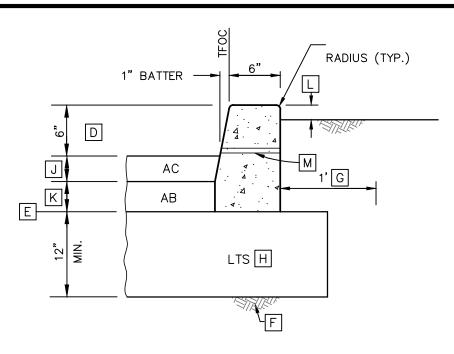


	IMPROVEMENT PLANS FOR SUPERIOR SELF STORAGE — PHASE 3
)	TOWN CENTER DRIVE EL DORADO HILLS, CALIFORNIA

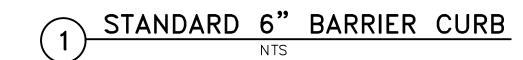
**EROSION & SEDIMENTATION CONTROL PLAN** 

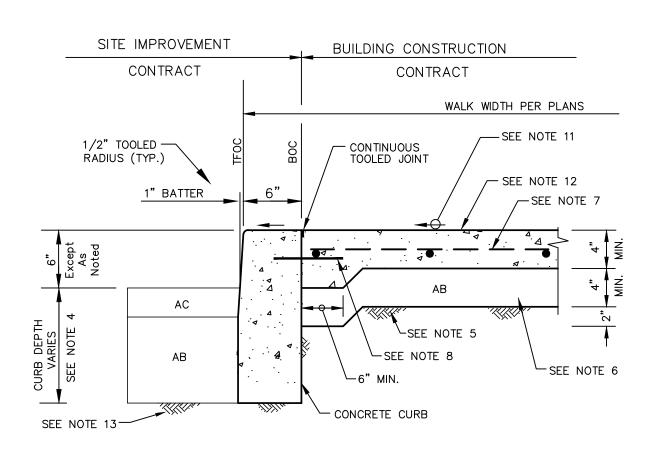
 $' = 30^{\circ}$ 03/13/24 JOB NO. 2544-10-

**SHEET 13 OF 14** 



- ALL WORK AND MATERIALS SHALL CONFORM TO THE COUNTY OF SACRAMENTO STANDARD CONSTRUCTION SPECIFICATIONS. CONCRETE SHALL BE CLASS "B-2", 5-SACK MIX WITH 3" MAX. SLUMP.
- B INSTALL 1/2" PREMOLDED EXPANSION JOINTS AT 60' MAX. SPACING AND AT ANGLE POINTS AND AT EACH END OF RADIUS SECTIONS.
- C INSTALL DEEP-TOOLED, WEAKENED PLANE JOINTS WITH 1/4" RADIUS TOOLED EDGES AT 10' MAXIMUM SPACING.
- D SEE PLANS FOR CURB HEIGHT DEPRESSIONS FOR DRAINAGE, DRIVEWAYS, RAMPS, ETC. VERIFY WITH ENGINEER PRIOR TO CONSTRUCTION.
- E BOTTOM OF CURB TO EXTEND DOWN TO BOTTOM OF AB SECTION FOR ALL STRUCTURAL SECTION OPTIONS.
- F SUBGRADE PREPARATION PER GEOTECHNICAL ENGINEER. COMPACTED SUBGRADE TO EXTEND 2' (MIN.) BEYOND BACK OF CURB.
- G COMPACT BACKFILL WITHIN 1' (MIN.) OF BACK OF CURB TO 90% MRC. H OPTIONAL LIME TREATED SUBGRADE PER GEOTECHNICAL REPORT.
- EXISTING CURB TO BE JOINED SHALL BE DRILLED (3" MIN. DEPTH) AND DOWELLED WITH TWO 12" LENGTHS OF #4 REBAR SET IN GROUT.
- J AC PER PLAN.
- K AB PER PLAN.
- L 0" TYP., EXCEPT 3" AT PLANTERS. COORDINATE WITH LANDSCAPE PLANS.
- M INSTALL 3/4" SCH. 40 PVC PIPE WEEP HOLES AT 10' TYP. SPACING ALONG PLANTERS WHERE ADJOINING PAVEMENT SLOPES AWAY FROM THE CURB. WEEP HOLES MAY BE OMITTED WHERE PLANTERS SLOPE AWAY FROM CURB. VERIFY PLACEMENT WITH ENGINEER. SET PVCP FLOW LINE 1/2" ABOVE PAVING.



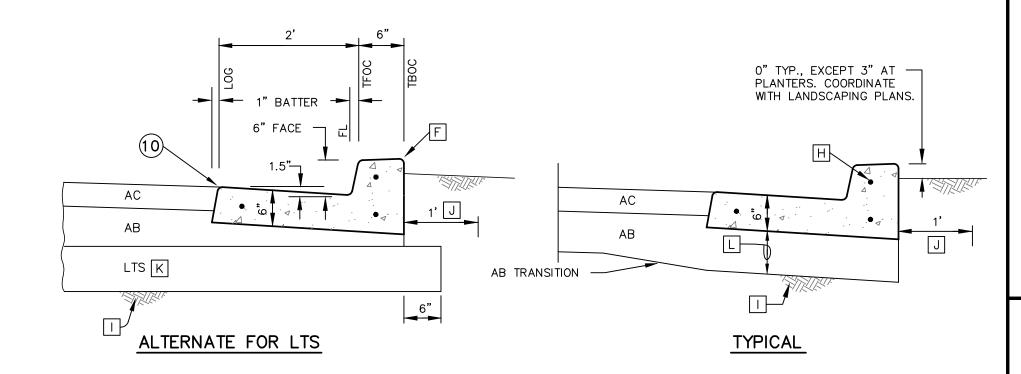


#### <u>NOTES</u>

DESIGNED BY TOT

- 1. ALL WORK AND MATERIALS SHALL CONFORM TO THE SACRAMENTO COUNTY STANDARD CONSTRUCTION SPECIFICATIONS (SCSCS). CONCRETE SHALL BE CLASS "B-2", 5-SACK MIX WITH 3" MAX.
- 2. INSTALL 1 1/4" DEEP BY 1/4" WIDE WEAKENED PLANE (CONTRACTION) JOINTS WITH 1/4" RADIUS TOOLED EDGES AT INTERVALS TO MATCH SCORE LINE PATTERN. FOR WALKS LESS THAN 6' WIDE, MAXIMUM INTERVAL TO BE 3 TIMES SCORE LINE SPACING; 2 TIMES FOR WALKS 6' OR MORE IN WIDTH. COORDINATE JOINT (EXPANSION AND CONTRACTION) AND SCORE LINE PLACEMENT WITH
- 3. INSTALL 1/4" DEEP SCORE LINES TO FORM AN APPROXIMATE SQUARE PATTERN. COORDINATE WITH ENGINEER.
- 4. BOTTOM OF CURB TO EXTEND DOWN TO BOTTOM OF AB SECTION.
- 5. SUBGRADE PREPARATION PER GEOTECHNICAL ENGINEER. THE TOP 12" OF EARTH SUBGRADE SHALL BE NON-EXPANSIVE SOIL COMPACTED TO 90% MRC. COMPACTED SUBGRADE TO EXTEND 2' (MIN.) BEYOND EDGE OF WALK.
- 6. 3/4" CL. 2 AB AT 95% MRC.
- 7. PCC WALK REINFORCED WITH #3 BARS EACH WAY, AT 24" MAX. SPACING (MIN. OF 3 LONGITUDINAL BARS), OR WITH 6x6-W1.4xW1.4 WWF SET ON PRECAST CONC. BLOCKS (DOBIES) CENTERED IN SLAB.
- 8. #4 REBAR DOWELS, 9" MIN. LENGTH, AT 4' MAX. SPACING. DRILL HOLE AND SET DOWEL IN GROUT OR SET IN WET CONCRETE.
- 9. SEE PLANS FOR CURB HEIGHT DEPRESSIONS FOR RAMPS, ETC. PRIOR TO CONSTRUCTION. COORDINATE WITH ARCHITECT'S PLANS.
- 10. INSTALL 1/2" PREMOLDED EXPANSION JOINTS AT 60' MAX. SPACING
- AND AT ANGLE POINTS AND AT EACH END OF RADIUS SECTIONS. 11. SEE PLANS FOR WALK SURFACE SLOPE. 1% MIN. AND 2% MAX.
- UNIFORM SLOPES, UNLESS NOTED OTHERWISE. 12. MEDIUM BROOM FINISH TRANSVERSE TO DIRECTION OF TRAVEL.
- 13. SEE PROJECT GEOTECHNICAL ENGINEERING REPORT FOR EARTH SUBGRADE PREPARATION UNDER PAVING.

# **PERSPECTIVE**



#### SECTIONS

- A ALL WORK AND MATERIALS SHALL CONFORM TO THE SACRAMENTO COUNTY STANDARD CONSTRUCTION SPECIFICATIONS (SCSCS). CONCRETE SHALL BE CLASS "B-2", 5-SACK MIX WITH 3" MAX. SLUMP.
- B INSTALL 1/2" PREMOLDED EXPANSION JOINTS AT 60' MAX. SPACING AND AT ANGLE POINTS AND AT EACH END OF RADIUS SECTIONS.
- C INSTALL 1 1/4" DEEP BY 1/4" WIDE WEAKENED PLANE JOINTS WITH 1/4" RADIUS TOOLED EDGES FROM LOG TO BOC AT 10' INTERVALS, AT CURB RETURNS AND AT DRAINAGE INLET TRANSITIONS.
- D SEE PLANS FOR CURB HEIGHT DEPRESSIONS FOR DRAINAGE, DRIVEWAYS, RAMPS, ETC. VERIFY WITH ENGINEER PRIOR TO CONSTRUCTION.
- E APPLY FINE BROOM FINISH TO SURFACE OF CURB & GUTTER PARALLEL WITH STREET.
- F ALL EXPOSED EDGES SHALL HAVE 1/2" RADIUS.
- G UNLESS SHOWN OTHERWISE, A 6' LONG TRANSITION SHALL BE USED WHEN CONNECTING DIFFERENT CURB & GUTTER TYPES.
- H EXISTING C&G TO BE JOINED SHALL BE DRILLED (3" MIN. DEPTH) AND DOWELLED WITH THREE 12" LENGTHS OF #4 REBAR SET IN GROUT.
- 1 TOP 6" (MIN.) OF SUBGRADE AT 95% MRC UNDER C&G AND PAVING. SUBGRADE PREPARATION PER GEOTECHNICAL ENGINEERING REPORT.

3 STD. 6" VERTICAL CURB & GUTTER

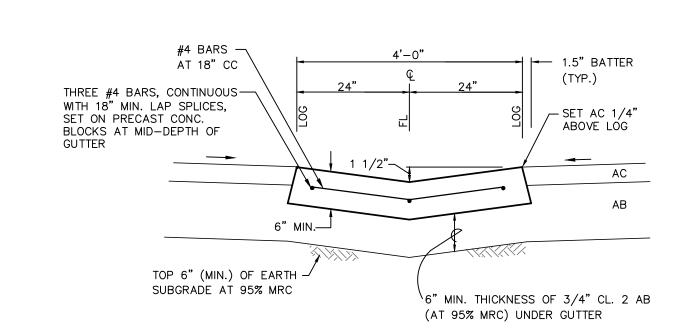
- J COMPACT BACKFILL WITHIN 1' (MIN.) OF BACK OF CURB TO 90% MRC.
- K ALTERNATE SECTION LIME TREATED SUBGRADE PER GEOTECHNICAL REPORT.
- L 6" MIN. THICKNESS OF 3/4" CL. 2 AB (AT 95% MRC) UNDER C&G.

### WIDTH PER PLAN PARKING 3" TYP. AT PLANTERS. COORDINATE WITH LANDSCAPING PLANS.

#### NOTES

- A ALL WORK AND MATERIALS SHALL CONFORM TO THE SACRAMENTO COUNTY STANDARD CONSTRUCTION SPECIFICATIONS (SCSCS). CONCRETE SHALL BE CLASS "B-2", 5-SACK MIX WITH 3" MAX. SLUMP.
- B INSTALL 1/2" PREMOLDED EXPANSION JOINTS PER SCSCS. COORDINATE WITH
- C INSTALL 1 1/4" DEEP BY 1/4" WIDE WEAKENED PLANE CONTRACTION JOINTS WITH 1/4" RADIUS TOOLED EDGES. COORDINATE JOINT (EXPANSION AND CONTRACTION) AND SCORE LINE PLACEMENT WITH ENGINEER.
- D PCC WALK REINFORCED WITH #3 BARS EACH WAY, AT 24" MAX. SPACING OR WITH 6x6-W1.4xW1.4 WWF SET ON PRECAST CONC. BLOCKS (DOBIES) CENTERED
- E APPLY MEDIUM BROOM FINISH TRANSVERSE TO DIRECTION OF TRAVEL.
- F ALL EXPOSED EDGES SHALL HAVE 1/2" RADIUS.
- G COORDINATE WITH PROJECT LANDSCAPE PLANS.
- H SEE PLANS FOR WALK SURFACE SLOPE. 1% MIN. AND 2% MAX. UNIFORM SLOPES, UNLESS NOTED OTHERWISE.
- SUBGRADE PREPARATION PER GEOTECHNICAL ENGINEER. THE TOP 12" OF EARTH SUBGRADE SHALL BE NON-EXPANSIVE SOIL COMPACTED TO 90% MRC. COMPACTED SUBGRADE TO EXTEND 2' (MIN.) BEYOND EDGE OF WALK.
- J 4" MIN. THICKNESS OF 3/4" CL. 2 AB AT 95% MRC.
- K SEE PLANS FOR CURB HEIGHT DEPRESSIONS FOR DRAINAGE, DRIVEWAYS, RAMPS, ETC. VERIFY WITH ENGINEER PRIOR TO CONSTRUCTION.
- L 1/4" DEEP LONGITUDINAL SCORE LINE.
- FOR DOWELLED CONNECTION TO EX. WALK.





- 1. ALL WORK AND MATERIALS SHALL CONFORM TO THE SACRAMENTO COUNTY STANDARD CONSTRUCTION SPECIFICATIONS (SCSCS). CONCRETE SHALL BE CLASS "A-2", 6-SACK MIX WITH
- 2. APPLY FINE BROOM FINISH TO SURFACE OF GUTTER PARALLEL WITH FLOW LINE.
- 3. ALL EXPOSED EDGES SHALL HAVE 1/2" RADIUS.
- 4. INSTALL 1 1/4" DEEP BY 1/4" WIDE WEAKENED PLANE (CONTRACTION) JOINTS, WITH 1/4" RADIUS TOOLED EDGES, FROM LOG TO LOG AT 20' MAX. INTERVALS, AT CURB RETURNS AND AT DRAINAGE INLET TRANSITIONS. COORDINATE JOINT PLAN WITH ENGINEER.
- 5. INSTALL 1/2" PREMOLDED EXPANSION JOINTS PER SCSCS. COORDINATE WITH ENGINEER.
- 6. UNLESS SHOWN OTHERWISE, A 6' LONG TRANSITION SHALL BE USED WHEN CONNECTING DIFFERENT GUTTER TYPES.
- 7. EXISTING GUTTER TO BE JOINED SHALL BE DRILLED AND DOWELED (3" MIN. DEPTH) WITH THREE 12" LENGTHS OF #4 REBAR SET IN GROUT.
- 8. TACK COAT VERTICAL EDGES OF GUTTER PRIOR TO PLACING NEW AC PAVING.
- 9. PROPERLY SUPPORT ALL REBAR TO PREVENT DISLOCATION BY CONCRETE PLACEMENT OPERATIONS.

WIDE CONCRETE VALLEY GUTTER

## 2 BUILDING PERIMETER CURB

APPROVED EL DORADO COUNTY PLANNING COMMISSION DATE: April 24, 2025 EXECUTIVE SECRETARY: Karen L. Garner





IMPROVEMENT PLANS   FOR									
	SUPERIOR	SELF	STORAGE	– PHA	SE 3				
4250 T	OWN CENTER DRIVE	<del>-</del>	EL	DORADO	HILLS,	CALIFORNIA			

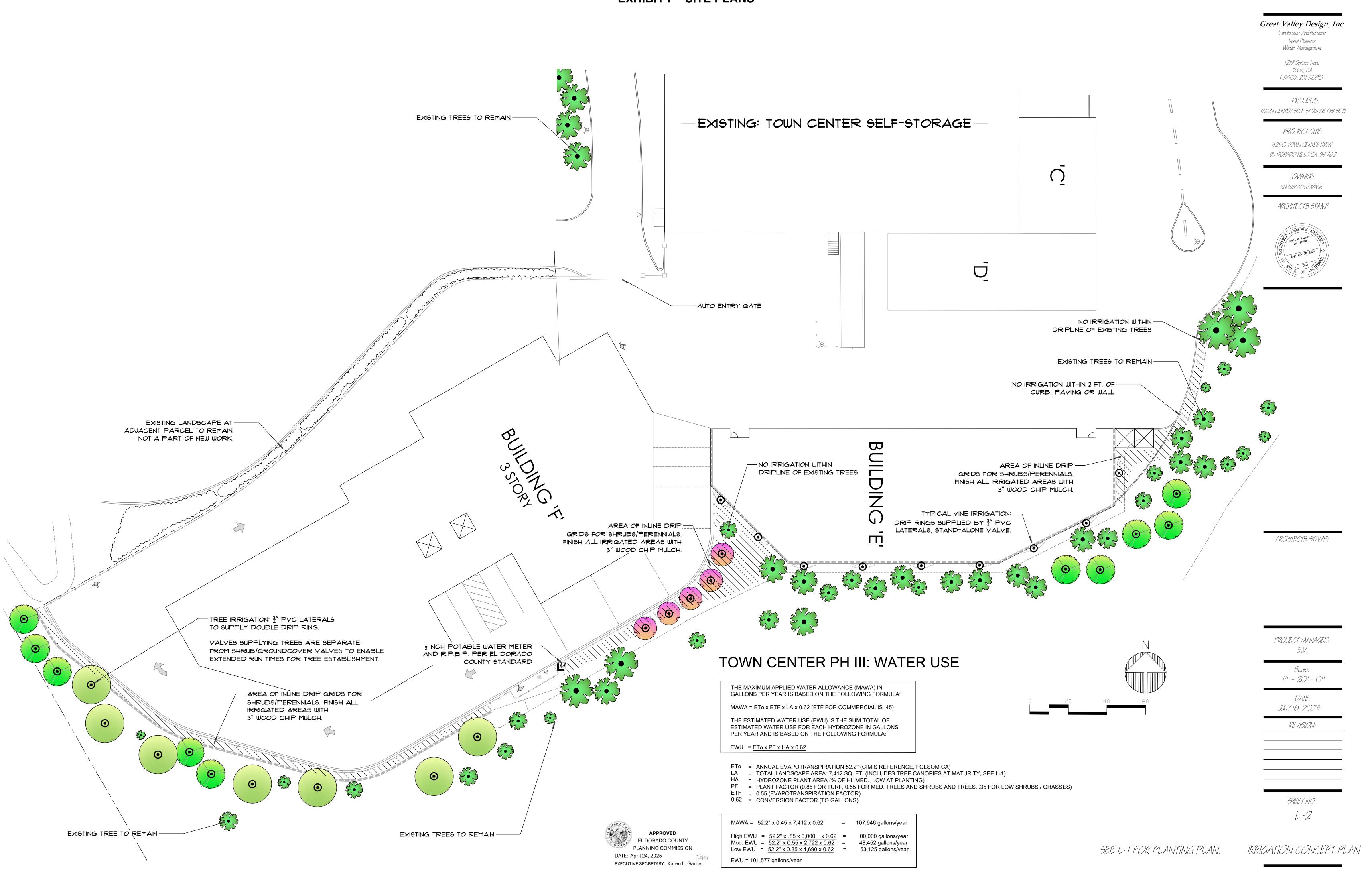
**DETAILS** 

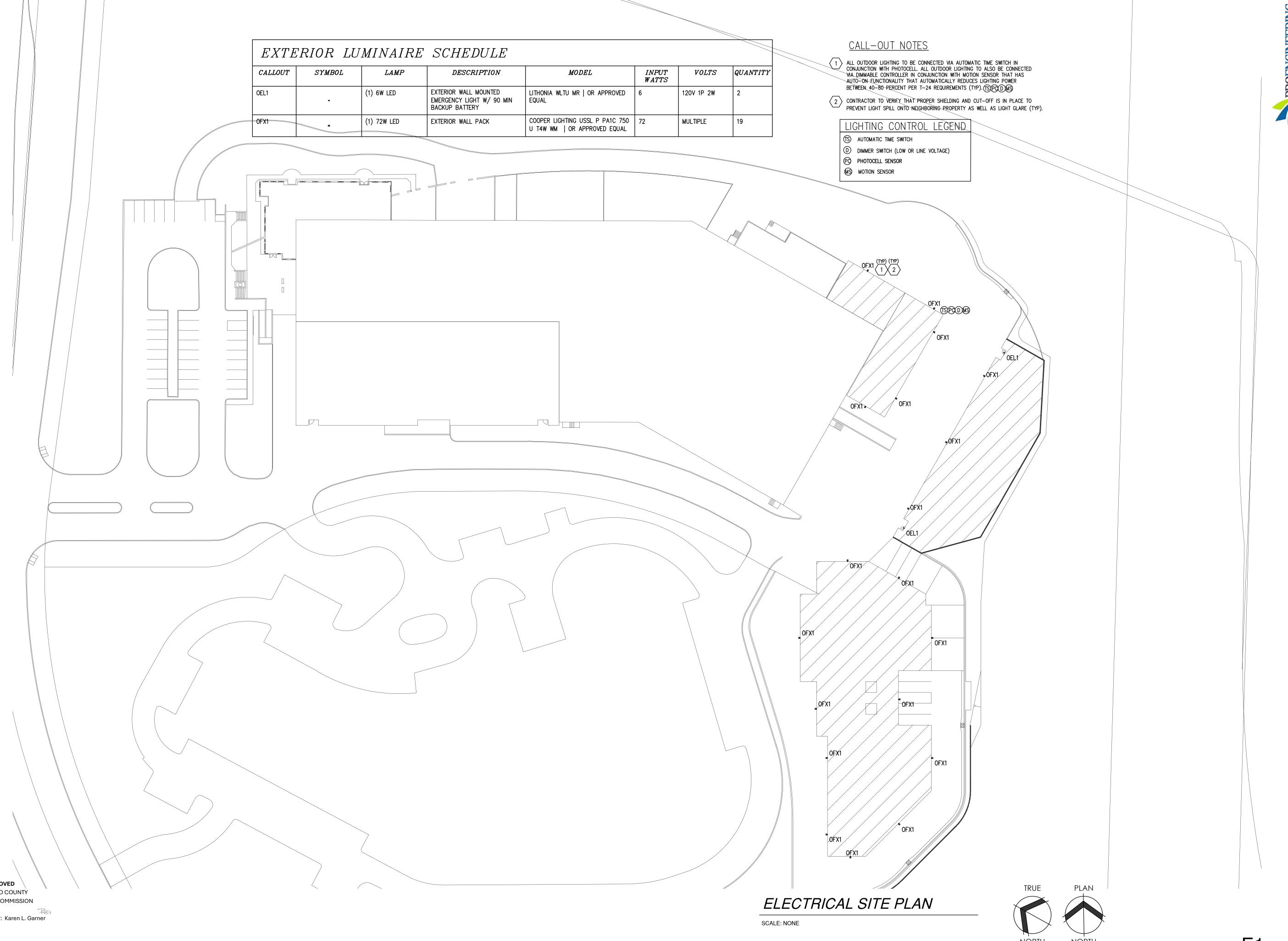
scale

**SHEET 14 OF 14** 03/13/24 JOB NO. 2544-10-

DRAWN BY MSW CHECKED BY TOT REV. DATE **DESCRIPTION** BY APP'C



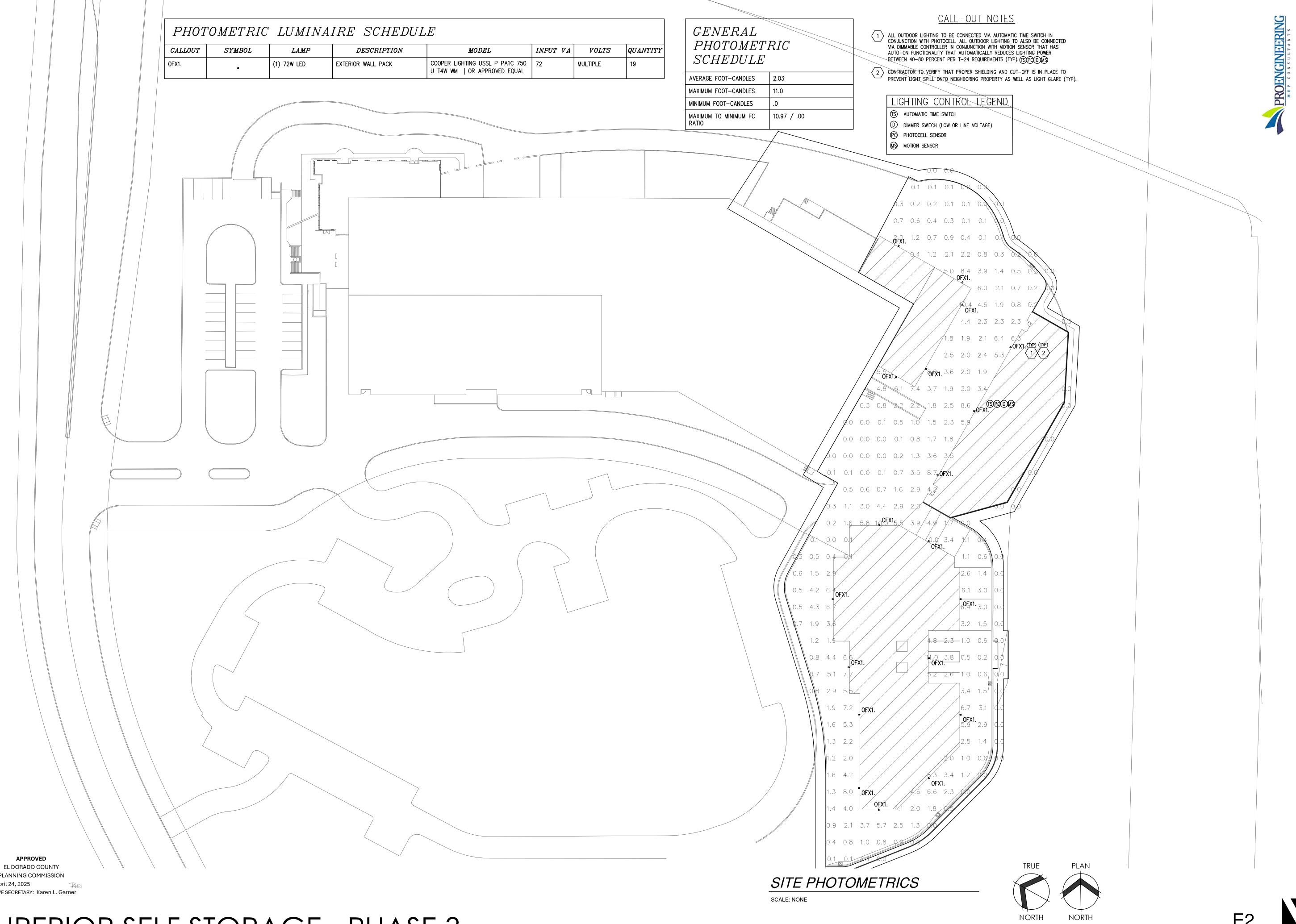




SUPERIOR SELF STORAGE - PHASE 3

**L**1









	Light	Engine  Drive Current 4	Color Temperature	Voltage	Distribution	Mounting (Included)	Finish	
USSL-P=USSL Petite BAA-USSL-P=USSL Petite BAA Buy American Act Compliant <sup>3</sup> TAA-USSL-P=USSL Petite TAA Trade Agreements Act Compliant <sup>3</sup>	PA1=1 Panel, 24 LED Rectangle	A=400mA Nominal B=700mA Nominal C=950mA Nominal D=1200mA Nominal	<b>740</b> =70CRI, 4000K <b>730</b> =70CRI, 3000K <b>750</b> =70CRI, 5000F		T2R=Type II Roadway T2U=Type II Urban T3=Type III T4W=Type IV Wide 5WQ=Type V Square Wide	SA=QM Standard Versatile Arm MA=QM Mast Arm FMA= Fixed Mast Arm <sup>28</sup> WM=Wall Mount Arm	BZ=Bronze AP=Grey BK=Black DP=Dark Platinum GM=Graphite Metallic	
USSL=USSL BAA-USSL=USSL BAA Buy American Act Compliant <sup>3</sup> TAA-USSL=USSL TAA Trade Agreements Act Compliant <sup>3</sup>	PA1=1 Panel, 24 LED Rectangle PA2=2 Panels, 48 LED		-	8=480V <sup>5</sup> <b>DV</b> =DuraVolt, 277-480V <sup>5,6</sup>		ADJA-WM=Adjustable Arm— Wall Mount <sup>30</sup> ADJA= Adjustable Arm— Pole Mount <sup>30</sup> ADJS=Adjustable Arm— Slipfitter, 3" vertical tenon <sup>30</sup>	WH=White	
USSL-XL=USSL XL BAA-USSL-XL=USSL XL BAA Buy American Act Compliant <sup>3</sup> TAA-USSL-XL=USSL XL TAA Trade Agreements Act Compliant <sup>3</sup>	PA3=3 Panels, 72 LED Rectangles PA4=4 Panels, 96 LED Rectangles	<b>A</b> =750mA Nominal <b>B</b> =950mA Nominal				<b>SP2</b> = Adjustable Arm- Slipfitter, 2 3/8" vertical tenon <sup>30, 28</sup>		
USSL-M=USSL Maxx BAA-USSL-M=USSL Maxx BAA Buy American Act Compliant <sup>3</sup> TAA-USSL-M=USSL Maxx TAA Trade Agreements Act Compliant <sup>3</sup>	PA6=6 Panels, 144 LED Rectangles	A=600mA Nominal B=800mA Nominal C=1000mA Nominal D=1200mA Nominal						
	<b>Options</b> (Add as Suff	ix)			Accessorie	s (Order Separately) <sup>20, 21</sup>		
HA=50°C High Ambient Temperature <sup>8</sup> TH=Tool-less Door Hardware PR=NEMA 3-PIN Twistlock Photocontrol Re PR3-NEMA 7-PIN Twistlock Photocontrol Re PR3-NEMA 7-PIN Twistlock Photocontrol RS/DIM-L08= Motion Sensor for Dimming Up to 8' Mounting Height <sup>11, 12, 13, 22</sup> MS/DIM-L20= Motion Sensor for Dimming 9' - 20' Mounting Height <sup>11, 12, 13</sup> MS/DIM-L40=Motion Sensor for Dimming Operatic Interface, Up to 8' Mounting Height <sup>11, 12, 13</sup> SPB1=Motion Sensor for Dimming Operatic Interface, Up to 8' Mounting Height <sup>11, 14</sup> SPB2=Dimming Motion and Daylight Senso Programmable, 8' - 20' Mounting <sup>11, 14</sup> SPB2=Dimming Motion and Daylight Senso Programmable, 8' - 20' Mounting <sup>11, 14</sup> SPB2-Dimming Motion and pole white paper WP 3. Only product configurations with these designs installation instructions and pole white paper WP 3. Only product configurations with these designs (BAA) or Trade Agreements Act of 1979 (TAA), re information. Components shipped separately ma 4. Nominal drive currents shown here. For actual 5. 480V not to be used with ungrounded or imped 6. DuraVolt drivers feature added protection from fluctuations. Visit www.signify.com/duravolt for 17. House Side Shield not for use with SWQ distrib 8. Not available with PA1D light engine in Petite h 9. Coastal construction finish salt spray tested to Not available with TH option. 10. If High Voltage (H) or DuraVolt (DV) is specific 11. Controls system is not available in combinatic (MS, SPB, ZD, or ZW). 12. Option not available with High Voltage (H) or II. Utilizes the Wattstopper sensor FSP-211. Sen: FSIR-100 accessory separately. 14. Utilizes the Wattstopper sensor FSP-3XX seri Table. Field-configures via mobile application. Se 15. Sensor passive infrared (PIR) may be overly se	Copyration, Operation,	ed Products List under Family compatibility for application port information. prefer to Power and Lumens s loss of neutral, transients a B117, with a scribe rating of 9 statches the input voltage use acle (PR or PR7) or another of Juiversal (U), 347V (9), or 48 leid otherwise via PDR. To fiel by product finish. See Sensoi s.	river, Dimming Motion ght '11, '12, '15, '16, '17, '12, '15, '18, '17, '17, '18, '18, '17, '18, '18, '18, '18, '18, '18, '18, '18	USSLXLWM-XX+ USSL-XL-ADJA-W Mount Kit <sup>29</sup> PRV-XL-ADJS-XW Mount Kit <sup>29</sup> PRV-XL-ADJS-XW Kit <sup>29</sup> USSL-M-ASJA-XW Kit <sup>28</sup> USSL-M-ADJA-W Mount Kit <sup>28</sup> MA1010-XX-Sing O.D. Tenon MA1011-XX-Sing O.D. Tenon MA1011-XX-2@1 O.D. Tenon MA1011-XX-2 (a) O.D. Tenon MA1010-XX (a) I will be website for more Way I will be website for more Way I will be website for more Way I will be website for for the device A consultation of the service of the servic	(X=Adjustable Arm - Pole  M-XX=Adjustable Arm - Slipfitter  X=Adjustable Arm - Pole Moun  X=Adjustable Arm - Pole Moun  X=Adjustable Arm - Slipfitter  (M-XX=Adjustable Arm - Slipfitter  (M-XX=Adjustable Arm - Wall  gle Tenon Adapter for 3-1/2"  to be field-configurable, requires V  le with Wallelins information.  Tocolor (WH, BZ or BK).  -X Lor USSL-tooffigurations.  -N Lordigurations.  -N Lordigurations.	WOLC-7P-10A=WaveLinx C (7-PIN) <sup>27</sup> SWPD4-XX=WaveLinx Sens Daylight, WAC Programmat 17, 22, 26 SWPD5-XX=WaveLinx Sens and Daylight, WAC Program Mounting <sup>15, 16, 17, 26, 28, 29</sup> WAC Gateway components WAC-PoE a vare and requires system components ons. Consult LumenSafe system productly will be separately analyzed under c c XL or USSL-P. stallable accessory (1, 2, 3, 4, or 6). R ameters including high and low modes from the component of the com	eld, Long Shorting Cap ontrol - 120V ontrol - Multi-Tap 105-28 ontrol - 347V ortrol - 3480V tration Tool for Occupant outdoor Control Module tor, Dimming Motion and ele, 7' - 15' Mounting 15, 16, tor, Dimming Motion mable, 15' - 40'  and WPOE-120 in appropriate to be installed for operation out pages for additional deta lomestic preference require- efer to House Side Shield c, sensitivity, time delay, cute	
	Security Camera	Technology Optic		ix)	Dai	ta Backhaul		
.umenSafe Integrated Network Product Family		ne Camera, High Res		C=Cellular, Customer	Service	E=Ethernet Networking		

ower and L	and Performa	ance	vald		Á	View	USSL-I	P IES fil	es	📌 Vi	ew USS	L IES fil	es	📌 Vi	ew USS	L-XL IES	S file
Pro	duct Family		USSL	Petite			USSL			USSL XL				USSL Maxx			
Li	ght Engine	PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	РАЗВ	PA4A	PA4B	PA6A	PA6B	PA6C	PA
Power (Watts)	D/,	31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	54
Drive Current	(mA)	375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	12
Input Current	@ <b>120V</b> (A)	0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.
Input Current	@ <b>277V</b> (A)	0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.
Input Current	@ <b>347V</b> (A)	0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.
Input Current	@ <b>480V</b> (A)	0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.
Distribution																	
	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,
Type II	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-L
Roadway	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	1
	3000K Lumens <sup>1</sup>	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,
	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53
Type II Roadway	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-l
w/ HSS	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	2
	3000K Lumens <sup>1</sup>	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48
	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67
Type II Urban	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-l
Type it Gradit	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	1
	3000K Lumens <sup>1</sup>	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61
	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47
Type II Urban	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	В3-Ц
w/ HSS	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	1
	3000K Lumens <sup>1</sup>	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43
s	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67
Type III	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-l
0.0000000000000000000000000000000000000	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	1
71	3000K Lumens <sup>1</sup>	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61
8	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49
Type III w/ HSS	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	В3-І
1133	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	
	3000K Lumens <sup>1</sup>	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27466	34717	40872	44
	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67
Type IV Wide	BUG Rating	B1-U0-G2	B2-U0-G2		B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3		B3-U0-G4	B3-U0-G5	B3-U0-G5	A	B4-U0-G5	B4-U0-G5	B4-U0-G5	
1	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	1
	3000K Lumens ¹	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,
6	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48
Type IV Wide w/ HSS	BUG Rating	B0-U0-G1	1	B1-U0-G2	500	B1-U0-G2	B1-U0-G2		B1-U0-G3	1.265	B2-U0-G4	B2-U0-G4	B2-U0-G5	"ss "	B3-U0-G5	B3-U0-G5	
7 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	9
	3000K Lumens 1	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	70
	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70
Type V Square Wide	BUG Rating	B3-U0-G1	B3-U0-G2			B3-U0-G2	B4-U0-G3				B5-U0-G5			B5-U0-G5	B5-U0-G5	B5-U0-G5	
7151 CH C	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	1
	3000K Lumens 1	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63

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