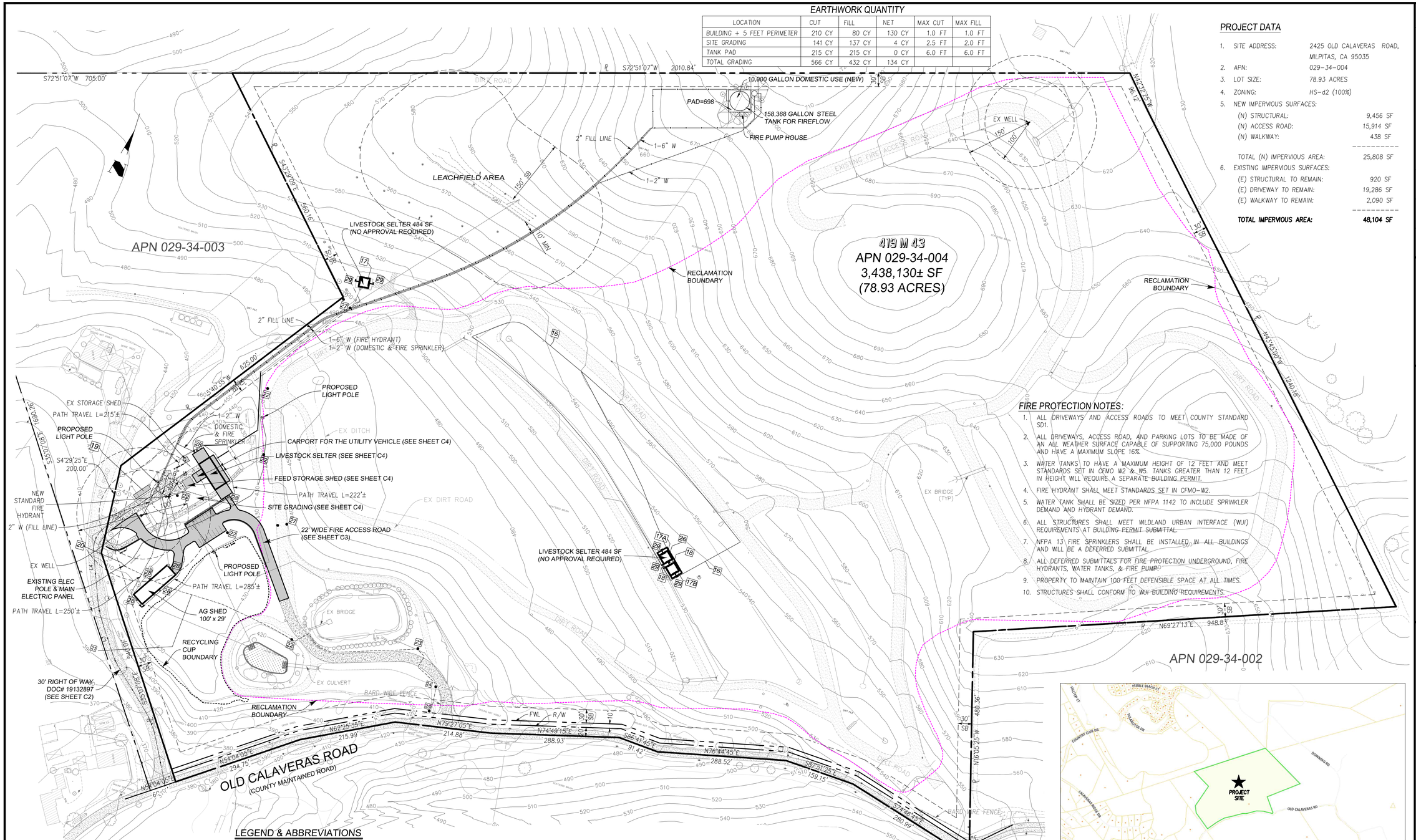
EARTHWORK QUANTITY

LOCATION	CUT	FILL	NET	MAX CUT	MAX FILL
BUILDING + 5 FEET PERIMETER	210 CY	80 CY	130 CY	1.0 FT	1.0 FT
SITE GRADING	141 CY	137 CY	4 CY	2.5 FT	2.0 FT
TANK PAD	215 CY	215 CY	0 CY	6.0 FT	6.0 FT
TOTAL GRADING	566 CY	432 CY	134 CY		

PROJECT DATA

1. SITE ADDRESS: 2425 OLD CALAVERAS ROAD, MILPITAS, CA 95035
2. APN: 029-34-004
3. LOT SIZE: 78.93 ACRES
4. ZONING: HS-d2 (100%)
5. NEW IMPERVIOUS SURFACES:
   - (N) STRUCTURAL: 9,456 SF
   - (N) ACCESS ROAD: 15,914 SF
   - (N) WALKWAY: 438 SF
   - TOTAL (N) IMPERVIOUS AREA: 25,808 SF
6. EXISTING IMPERVIOUS SURFACES:
   - (E) STRUCTURAL TO REMAIN: 920 SF
   - (E) DRIVEWAY TO REMAIN: 19,286 SF
   - (E) WALKWAY TO REMAIN: 2,090 SF
   - **TOTAL IMPERVIOUS AREA: 48,104 SF**



FIRE PROTECTION NOTES:

1. ALL DRIVEWAYS AND ACCESS ROADS TO MEET COUNTY STANDARD SD1.
2. ALL DRIVEWAYS, ACCESS ROAD, AND PARKING LOTS TO BE MADE OF AN ALL WEATHER SURFACE CAPABLE OF SUPPORTING 75,000 POUNDS AND HAVE A MAXIMUM SLOPE 16%.
3. WATER TANKS TO HAVE A MAXIMUM HEIGHT OF 12 FEET AND MEET STANDARDS SET IN CFMO W2 & W5. TANKS GREATER THAN 12 FEET IN HEIGHT WILL REQUIRE A SEPARATE BUILDING PERMIT.
4. FIRE HYDRANT SHALL MEET STANDARDS SET IN CFMO-W2.
5. WATER TANK SHALL BE SIZED PER NFPA 1142 TO INCLUDE SPRINKLER DEMAND AND HYDRANT DEMAND.
6. ALL STRUCTURES SHALL MEET WILDLAND URBAN INTERFACE (WUI) REQUIREMENTS AT BUILDING PERMIT SUBMITTAL.
7. NFPA 13 FIRE SPRINKLERS SHALL BE INSTALLED IN ALL BUILDINGS AND WILL BE A DEFERRED SUBMITTAL.
8. ALL DEFERRED SUBMITTALS FOR FIRE PROTECTION UNDERGROUND, FIRE HYDRANTS, WATER TANKS, & FIRE PUMP.
9. PROPERTY TO MAINTAIN 100 FEET DEFENSIBLE SPACE AT ALL TIMES.
10. STRUCTURES SHALL CONFORM TO WUI BUILDING REQUIREMENTS.

LEGEND & ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
AE	ANCHOR EASEMENT
BD	BRASS DISC
BLDG	BUILDING
BW	BOTTOM OF WALL/BACK OF WALK
CG	CURB & GUTTER
℄	CENTERLINE
CLF	CHAIN LINK FENCE
CO	SANITARY SEWER CLEANOUT
CONC	CONCRETE
CSD	COUNTY STANDARD DETAIL
DE	DRAINAGE EMITTER
DI	DRAINAGE INLET
DS	DOWNSPOUT
DWY	DRIVEWAY
EA	EASEMENT
ELEV	ELEVATION
EM	ELECTRIC METER
E(OH)	ELECTRIC OVERHEAD
E(UG)	ELECTRIC UNDERGROUND
EP	EDGE OF PAVEMENT
EX	EXISTING
EVA	VEHICLE ACCESS EASEMENT
FC	FACE OF CURB
FD	FOUND
FF	FINISH ELEVATION OF SUBFLOOR
FG	GROUND FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FWL	FUTURE WIDTH LINE
G	GARAGE SLAB ELEVATION/GAS LINE
GM	GAS METER
HP	HIGH POINT
INV	INVERT
LIP	LIP OF GUTTER
LS	LANDSCAPED AREA
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
MW	MONUMENT WELL
N&S	NAIL AND SHINER
NTS	NOT TO SCALE
OH	OVERHEAD
OG	ORIGINAL GROUND
P	PAVEMENT FINISH GRADE
PAD	PAD ELEVATION
PE	PATHWAY EASEMENT
ℙ	PROPERTY LINE
PP	POWER POLE
PROP	PROPOSED
PVMT	PAVEMENT
PVC	POLYVINYL CHLORIDE
R	RADIUS
RW	RETAINING WALL
REM	REMOVE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SS	SANITARY SEWER/LATERAL
SSE	SANITARY SEWER EASEMENT
STA	STATION
SW	SIDEWALK
TB	TOP OF BANK
TC	TOP OF CURB
TEMP	TEMPORARY
TOE	TOE OF BANK
TG	TOP OF GRATE
TPF	TREE PROTECTION FENCE
TW	TOP OF WALL
TYP	TYPICAL
UV	UTILITY VAULT
W	WATER
WLK	WALKWAY
WM	WATER METER
WV	WATER VALVE

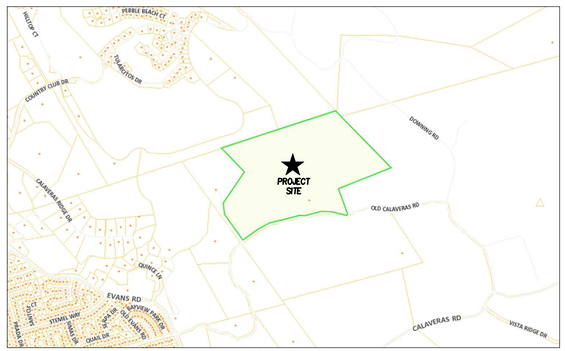
RECLAMATION LINE
RECYCLING CUP BOUNDARY
PROPERTY LINE
LOT LINE
EASEMENT LINE
EDGE OF PAVEMENT
UTILITY LINE — W
ROADSIDE SIGN & SIGN CODE — R1
FENCE
TREE/SHRUB
CONTOUR LINES — 100
STANDARD MONUMENT
BENCH MARK

SANITARY SEWER CLEANOUT
SANITARY SEWER MANHOLE
STORM DRAIN MANHOLE
STORM DRAIN INLET
WATER METER
ELECTRICAL METER
VALVE
FIRE HYDRANT
STREET LIGHT
POWER POLE
PULL BOX
SECTION NUMBER
SHEET NUMBER

KEYNOTES	ELECTRICAL LEGEND
16. GRAZING FENCE	20. EXISTING MAIN ELECTRICAL POLE
17. LIVESTOCK SHELTER-1 (60'x29')	21. EXISTING UNDERGROUND CABLE
17A. LIVESTOCK SHELTER-2 (22'x22')	22. NEW LIGHT POLE
17B. LIVESTOCK SHELTER-3 (22'x22')	23. NEW POLE FOR LIGHT & SECURITY CAMERA
18. GATE 6' WIDE	24. CONTROL PANEL FOR ELECTRIC GATE
19. MOVABLE TINY HOME PAD 40'x10'	25. EXISTING LIGHT POLE
	26. CONCRETE PAD 66'x25'
	27. SOLAR GATE OPENER
	28. EXTERIOR LIGHT ON SHED
	29. SOLAR LIGHT ON SHED

VICINITY MAP

NTS



GRAPHIC SCALE

0 50 100 200

(IN FEET)
1 inch = 100 ft.

NO.	REVISIONS	APP'D	DATE	BY

PT DESIGNED 06/21/21 DATE
CT DRAWN 06/21/21 DATE
1" = 100' SCALE
NL CHECKED 06/21/21 DATE

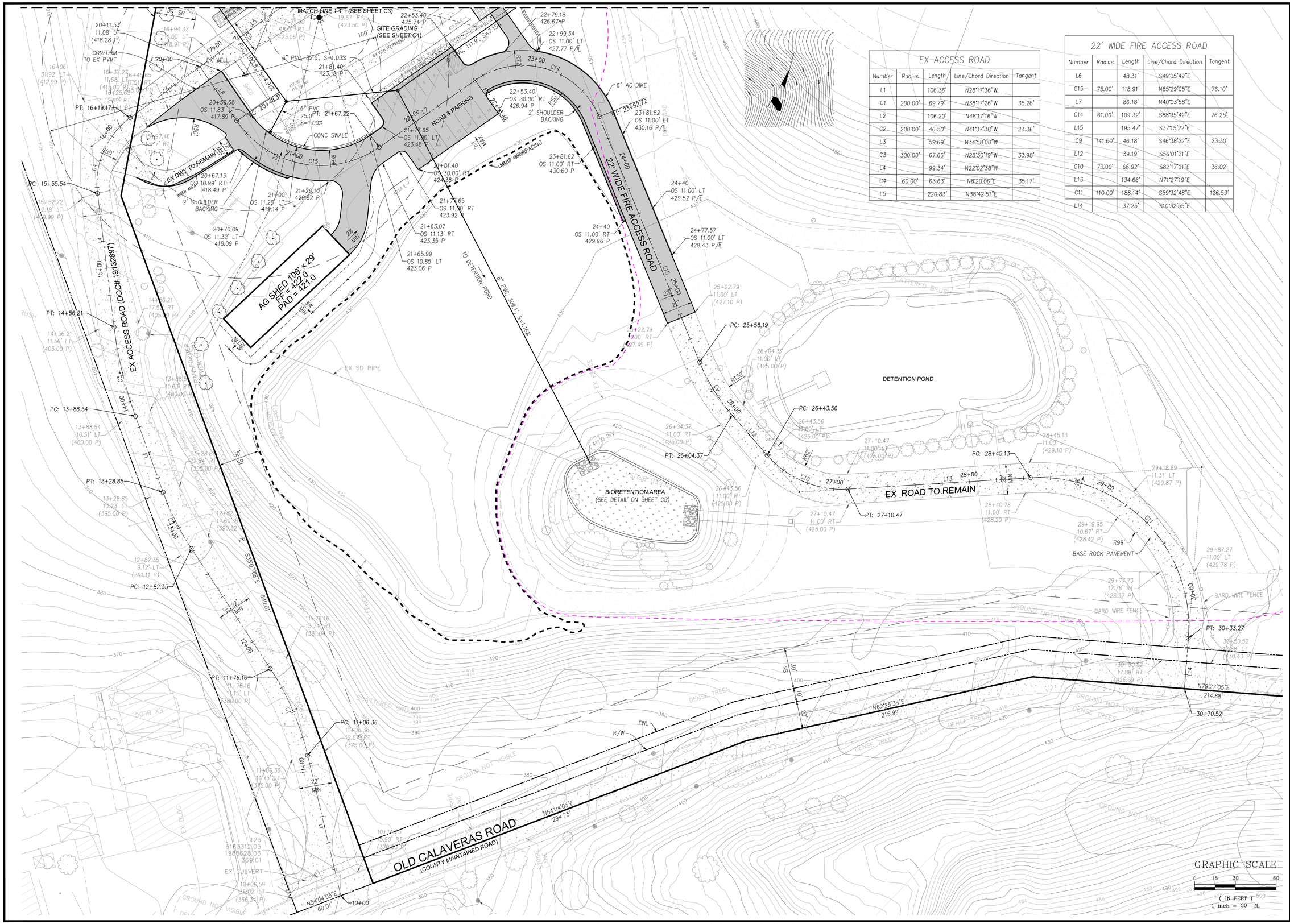
LE ENGINEERING
598 E Santa Clara St. #270
San Jose, CA 95112
Phone: (408) 806-7187
Fax: (408) 583-4006

OVERALL SITE PLAN
LANDS OF
2425 OLD CALAVERAS ROAD
APN 029-34-004

Milpitas California

PROJECT NO.
CONTRACT NO.
DRAWING NO. C1
SHT NO. 4 OF 18
FILE NO.

APPLICANT : .
ROAD NAME : OLD CALAVERAS ROAD
FILE NO : .



EX ACCESS ROAD

Number	Radius	Length	Line/Chord Direction	Tangent
L1		106.36'	N28°17'36"W	
C1	200.00'	69.79'	N38°17'26"W	35.26'
L2		106.20'	N48°17'16"W	
C2	200.00'	46.50'	N41°37'38"W	23.36'
L3		59.69'	N34°58'00"W	
C3	300.00'	67.66'	N28°30'19"W	33.98'
L4		99.34'	N22°02'38"W	
C4	60.00'	63.63'	N8°20'06"E	35.17'
L5		220.83'	N38°42'51"E	

22' WIDE FIRE ACCESS ROAD

Number	Radius	Length	Line/Chord Direction	Tangent
L6		48.31'	S49°05'49"E	
C15	75.00'	118.91'	N85°29'05"E	76.10'
L7		86.18'	N40°03'58"E	
C14	61.00'	109.32'	S88°35'42"E	76.25'
L15		195.47'	S37°15'22"E	
C9	141.00'	46.18'	S46°38'22"E	23.30'
L12		39.19'	S56°01'21"E	
C10	73.00'	66.92'	S82°17'01"E	36.02'
L13		134.66'	N71°27'19"E	
C11	110.00'	188.14'	S59°32'48"E	126.53'
L14		37.25'	S10°32'55"E	

NO.	REVISIONS	APP'D	DATE	BY

PT	DESIGNED	06/21/21 DATE
PT	DRAWN	06/21/21 DATE
1" = 30'	SCALE	
NL	CHECKED	06/21/21 DATE

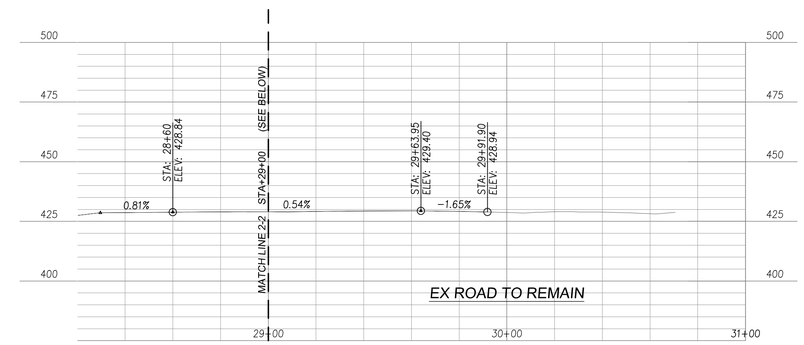
ENGINEERING
598 E Santa Clara St, #270
San Jose, CA 95112
Phone: (408) 806-7187
Fax: (408) 583-4006

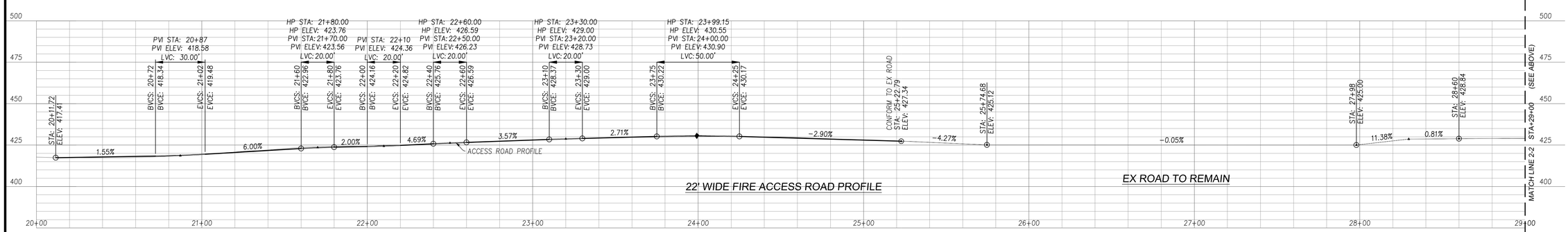
ACCESS ROAD PLAN
LANDS OF
2425 OLD CALAVERAS ROAD
APN 029-34-004

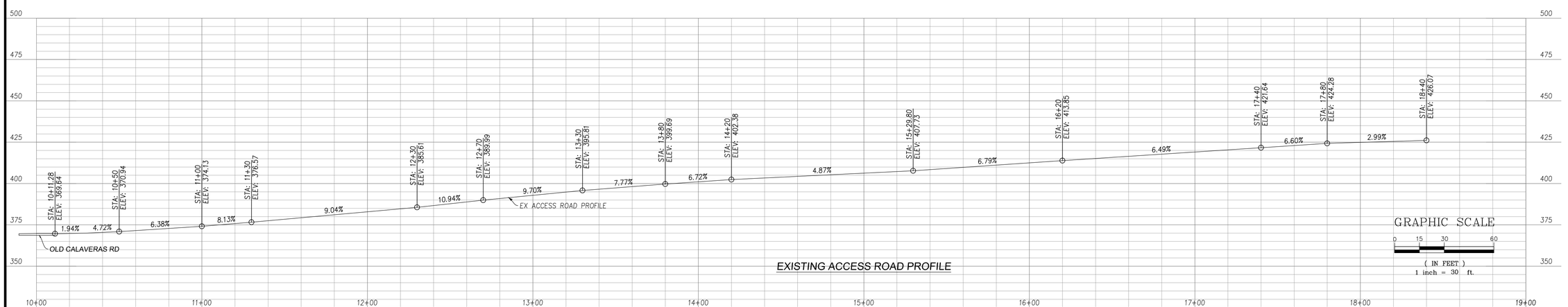
Milpitas California

PROJECT NO.
CONTRACT NO.
DRAWING NO. C2
SHT NO. 14 OF 18
FILE NO.

APPLICANT : .
ROAD NAME : OLD CALAVERAS ROAD
FILE NO : .







NO.	REVISIONS	APP'D	DATE	BY

PT DESIGNED 06/21/21 DATE
PT DRAWN 06/21/21 DATE
1" = 30' SCALE
NL CHECKED 06/21/21 DATE

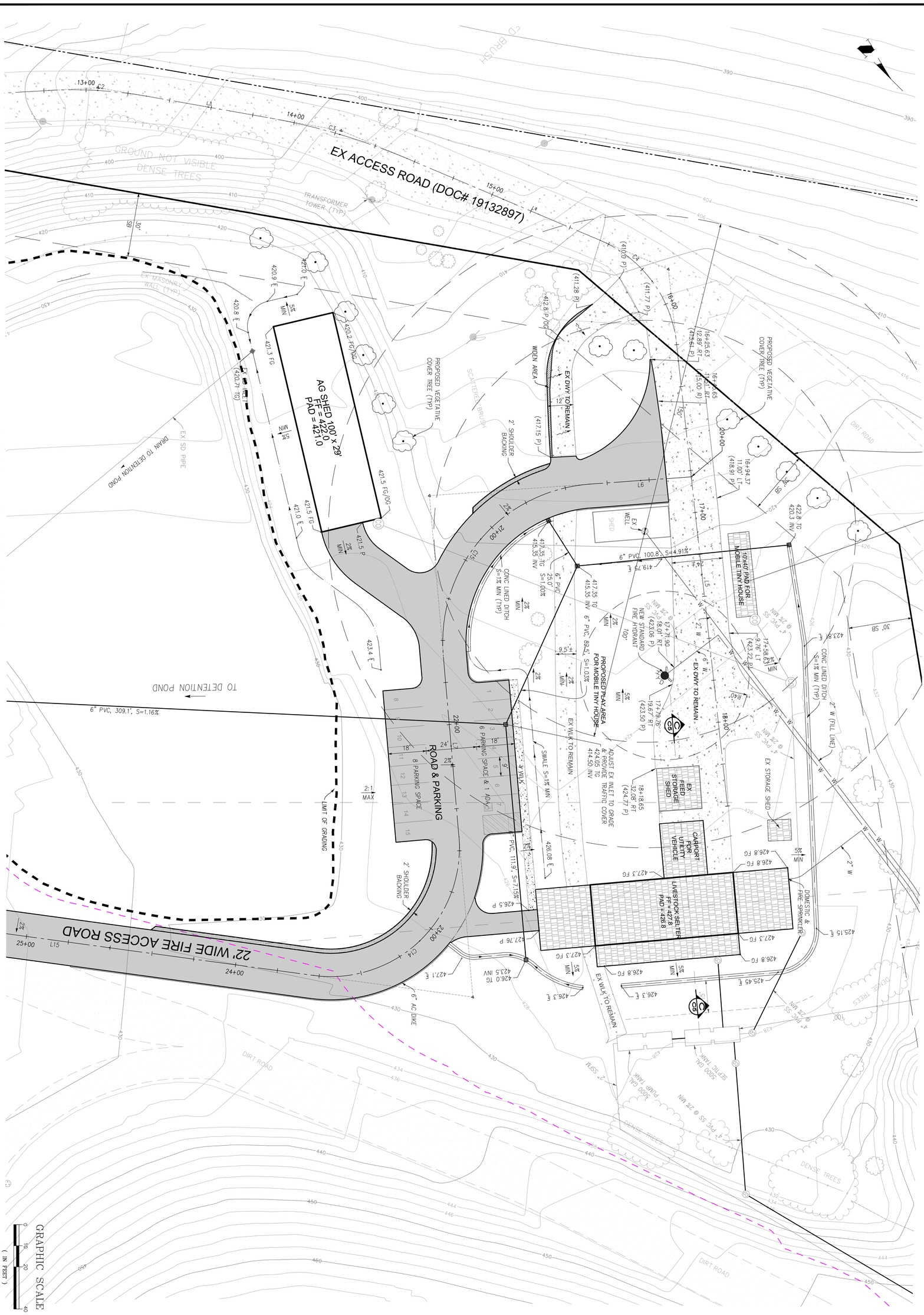
LG ENGINEERING
598 E Santa Clara St, #270
San Jose, CA 95112
Phone: (408) 806-7187
Fax: (408) 583-4006

ACCESS ROAD PROFILES & SECTIONS
LANDS OF
2425 OLD CALAVERAS ROAD
APN 029-34-004

Milpitas California

PROJECT NO.
CONTRACT NO.
DRAWING NO. C3
SHT NO. 15 OF 18
FILE NO.

APPLICANT : . ROAD NAME : OLD CALAVERAS ROAD FILE NO : .



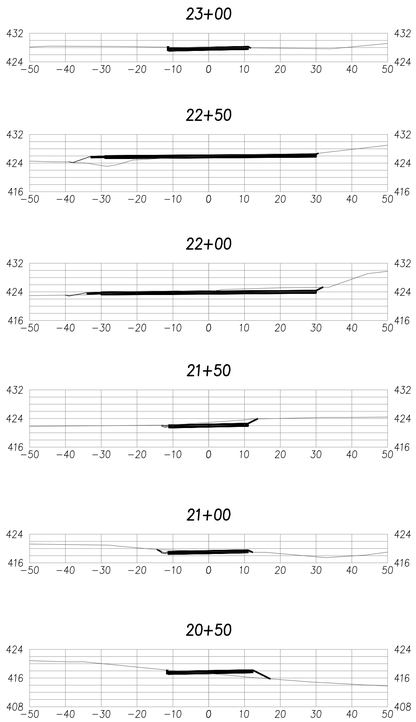
NOTE: STRUCTURE WILL HAVE NFPA 13 FIRE SPRINKLERS. DEFERRED SUBMITTAL.

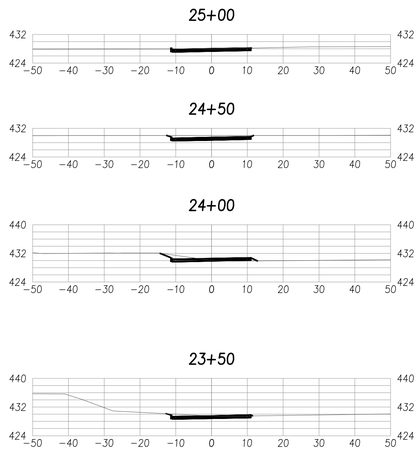
APPLICANT : .

ROAD NAME : OLD CALAVERAS ROAD

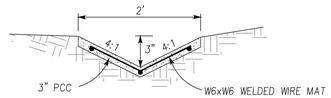
FILE NO : .

DRAWING NO. C4	DRIVEWAY, PARKING & SITE GRADING & DRAINAGE PLAN LANDS OF 2425 OLD CALAVERAS ROAD APN 029-34-004	LE ENGINEERING 598 E Santa Clara St, #270 San Jose, CA 95112 Phone: (408) 806-7187 Fax: (408) 583-4006	PT 06/21/21 DESIGNED DATE PT 06/21/21 DRAWN DATE 1" = 20' SCALE NL 06/21/21 CHECKED DATE
SHT NO. 16 OF 18	Milpitas California		
FILE NO. / CONTRACT NO. / PROJECT NO.			BY / DATE / APP'D / REVISIONS / NO.

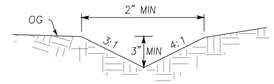




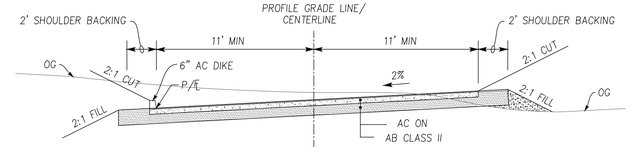
ACCESS ROAD SECTIONS
1" = 20'



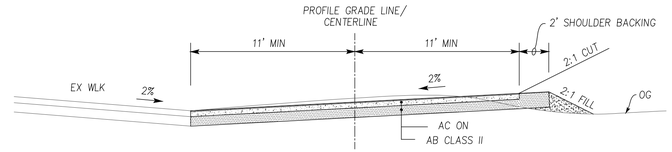
CONC LINED DITCH TYPICAL SECTION
NTS



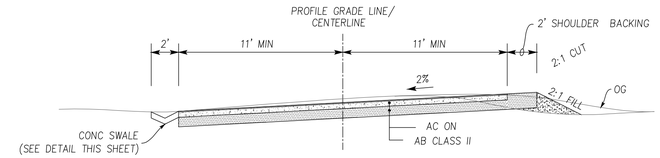
SWALE TYPICAL SECTION
NTS



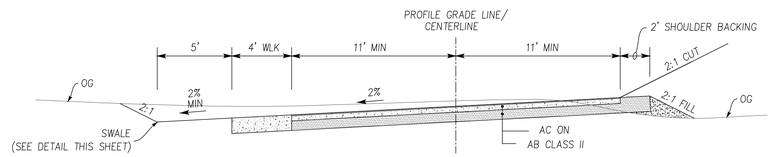
ACCESS ROAD TYPICAL SECTION
NTS
FROM 20+11.53 TO 20+56.68
FROM 21+65.99 TO 21+81.40
FROM 22+53.40 TO 22+79.18
FROM 22+99.34 TO 24+77.57



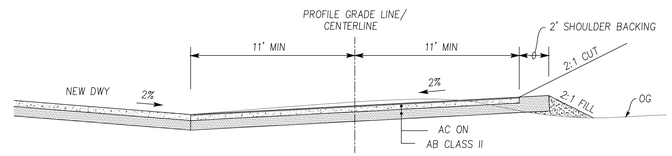
ACCESS ROAD TYPICAL SECTION
NTS
FROM 20+56.68 TO 20+70.09



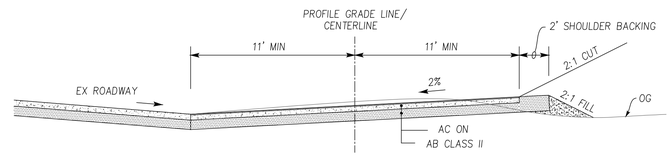
ACCESS ROAD TYPICAL SECTION
NTS
FROM 20+70.09 TO 21+65.99



ACCESS ROAD TYPICAL SECTION
NTS
FROM 20+56.68 TO 20+70.09
FROM 21+81.40 TO 22+53.40
FROM 22+78.18 TO 22+99.34



ACCESS ROAD TYPICAL SECTION
NTS
FROM 22+78.18 TO 22+99.34



ACCESS ROAD TYPICAL SECTION
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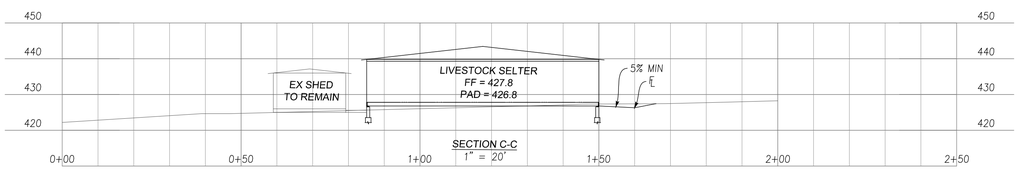
FROM 24+77.57 TO 25+22.79



SECTION C-C
1" = 20'

TOTAL VOLUME TABLE FOR NEW ACCESS ROAD & PARKING AREA						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
20+50	24.03	1.86	0.00	0.00	0.00	0.00
21+00	5.19	6.06	29.79	6.47	29.79	6.47
21+50	0.01	13.40	5.27	18.19	35.06	24.66
22+00	3.02	23.31	2.53	35.78	37.59	60.44
22+50	34.76	2.21	34.99	23.63	72.58	84.07
23+00	2.45	1.51	44.56	2.84	117.14	86.92
23+50	1.80	4.75	3.51	6.56	120.65	93.48
24+00	10.34	6.86	10.96	11.15	131.61	104.63
24+50	0.00	12.81	9.57	18.21	141.18	122.84
25+00	0.52	0.84	0.49	12.64	141.67	135.48

NOTES:

1. THICKNESS OF AC & BASE SECTION SHALL BE DETERMINED BY GEOTECHNICAL ENGINEER.
2. ALL DRIVEWAYS, ACCESS ROAD, AND PARKING LOTS TO BE MADE OF AN ALL WEATHER SURFACE CAPABLE OF SUPPORTING 75,000 POUNDS.

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

NO.	REVISIONS	APP'D	DATE	BY

PT	06/21/21	
DESIGNED	DATE	
PT	06/21/21	
DRAWN	DATE	
1" = 20' (OTHERWISE NOTED)		
SCALE		
NL	06/21/21	
CHECKED	DATE	

ENGINEERING
598 E Santa Clara St, #270
San Jose, CA 95112
Phone: (408) 806-7187
Fax: (408) 583-4006

22' WIDE FIRE ACCESS ROAD SECTIONS
LANDS OF
2425 OLD CALAVERAS ROAD
APN 029-34-004

Milpitas California

PROJECT NO.
CONTRACT NO.
DRAWING NO. C5
SHT NO. 17 OF 18
FILE NO.

APPLICANT : . ROAD NAME : OLD CALAVERAS ROAD FILE NO : .