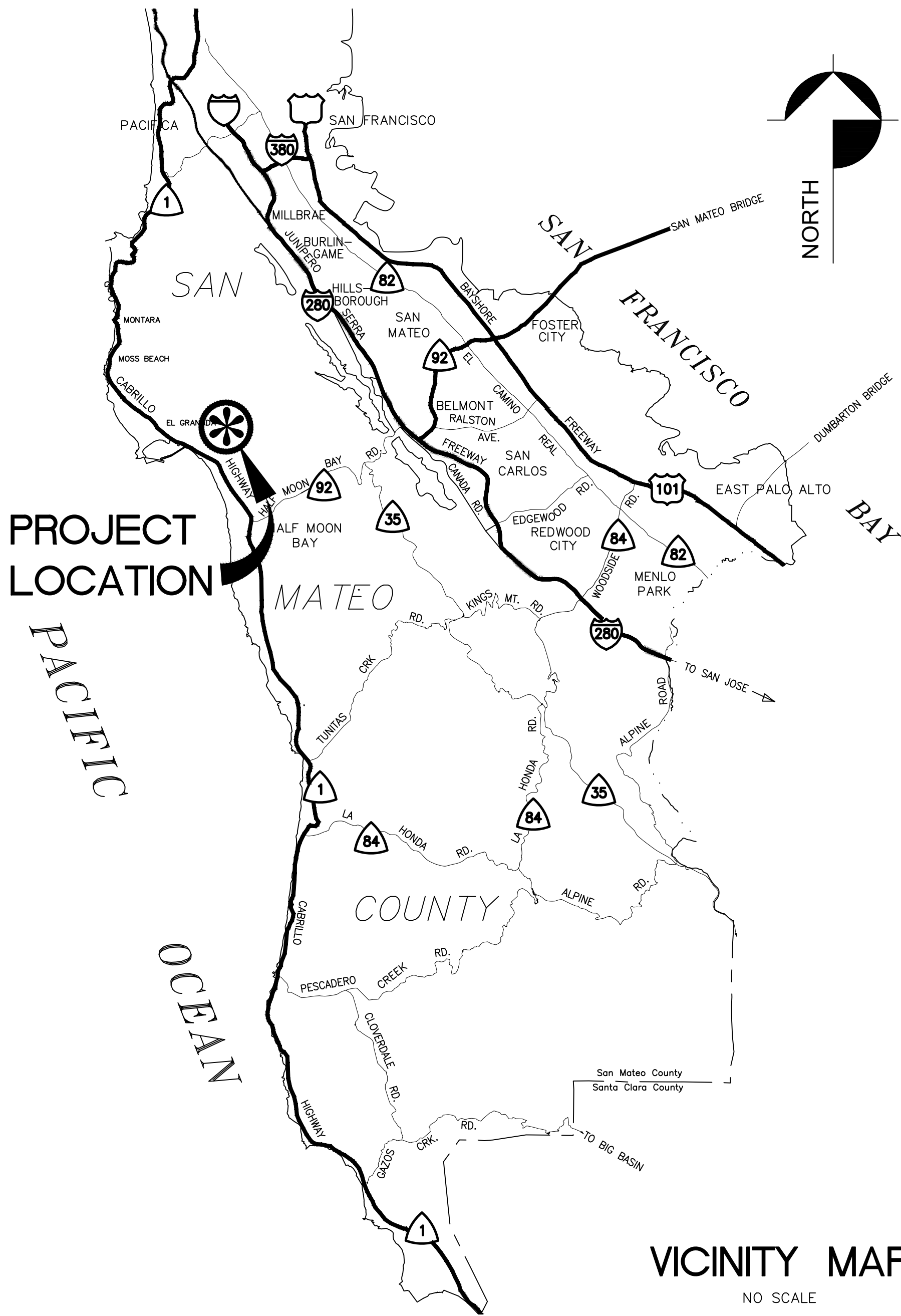


COUNTY OF SAN MATEO CALIFORNIA
QUARRY PARK FIRE ROAD EXTENSION PROJECT
TOTAL PROJECT LENGTH, APPROXIMATELY 2250 FEET

TO BE SUPPLEMENTED BY 2018 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
DATED MAY 2018 AND ADOPTED BY SAN MATEO COUNTY, FEBRUARY 11, 2020, BY RESOLUTION NO. 077227



APPROVED: _____
DATE: 05/05/2023
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



VICINITY MAP
NO SCALE

SHEET INDEX

SHEET NO.	DESCRIPTION
G-1	COVER SHEET
C-1	CONSTRUCTION NOTES AND QUANTITIES
C-2	EXISTING BASEMAP
C-3	PROPOSED GRADING
C-4	PROPOSED ROAD PROFILE
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C-6	PROPOSED SLOPE BREAKS
C-7	CUT AND FILL
C-8	EROSION AND SEDIMENT CONTROL
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C-12	TYPICAL BENCHING AND RSS
C-13	ROLLING DIP TYPICALS
C-14	SILT FENCING TYPICAL DETAILS
C-15	GATE TYPICAL DETAILS

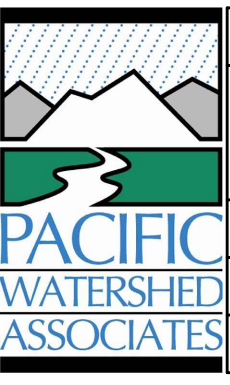
ABBREVIATIONS

AB	AGGREGATE BASE	FT	FOOT OR FEET
APPROX.	APPROXIMATELY	H&T	HUB AND TACK
BMP	BEST MANAGEMENT PRACTICE	LOD	LIMIT OF DISTURBANCE
BVC	BEGIN VERTICAL CURVE	MAX/MIN	MAXIMUM/MINIMUM
CA	CALIFORNIA	NTS	NOT TO SCALE
CASQA	CALIFORNIA STORMWATER QUALITY ASSOCIATION	PT#	POINT NUMBER
CL	CENTERLINE	PVI	POINT OF VERTICAL INTERSECTION
CMP	CORRUGATED METAL PIPE	PWA	PACIFIC WATERSHED ASSOCIATES
CP	CONTROL POINT (SURVEY)	<P>	PROPOSED
CY	CUBIC YARDS	RD	ROAD
DBH	BREAST HEIGHT DIAMETER	RSS	REINFORCED STEEPENED SLOPE
DIA	DIAMETER	SF	SQUARE FEET
EG	EXISTING GRADE	SMCP	SAN MATEO COUNTY PARKS
EL	ELEVATION	STA	STATION
EVC	END VERTICAL CURVE	TYP	TYPICAL
<E>	EXISTING	TWP	TEMPORARY WORK POINT
FG	FINISHED GRADE	VC	VERTICAL CURVE
		WP	WORK POINT

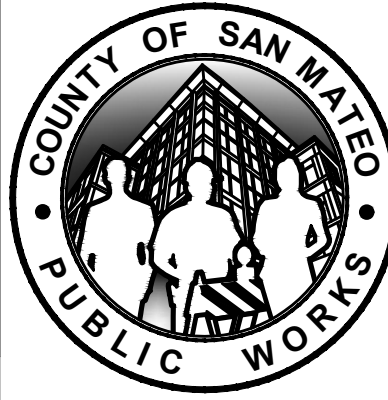


LOCATION MAP
NO SCALE

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FX: (707) 839-8168
www.pacificwatershed.com



APPROVED DATE: 2/10/2023
ENGINEERING CONSULTANT
PACIFIC WATERSHED ASSOCIATES
R.C.E. # 55699 / EXPIRES 12-31-2024



DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT	SCALE: NONE
CHECKED BY: LBJ	COVER SHEET	DATE: 1/17/2023
DRAWN BY: BTK/UPS		FILE NO: 1/E5053
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		G1 SHEET 1 OF 16

GENERAL NOTES

1.

THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT EXCAVATION, GRADING, AND FILL WORK ARE CONSISTENT WITH ALL APPLICABLE PERMITS, THE CALIFORNIA BUILDING CODE, CALIFORNIA FISH AND WILDLIFE PERMIT CONDITIONS, CALIFORNIA STATE WATER RESOURCES CONTROL BOARD PERMIT CONDITIONS, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, OTHER LOCAL CODES AND REQUIREMENTS, AND CONTRACT DOCUMENTS.
2.

A COPY OF THE PLANS, SPECIFICATIONS, AND ALL PERMITS SHALL BE KEPT ON-SITE AT ALL TIMES WHEN EXCAVATION AND CONSTRUCTION WORK ARE ONGOING.
3.

IF GROUND DISTURBANCE WILL OCCUR BETWEEN OCTOBER 15 AND MAY 15, THE MATERIALS CALLED OUT IN THE EROSION CONTROL PLAN SHALL BE PRESENT ON SITE BEFORE EXCAVATION COMMENCES. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING WEATHER AND IMPLEMENTING THE BEST MANAGEMENT PRACTICES (BMPS) SPECIFIED IN THE EROSION CONTROL PLAN. BMPS SHALL BE IN PLACE NO LESS THAN 24 HOURS BEFORE A PREDICTED RUNOFF GENERATING STORM (>0.1 INCHES OF PRECIPITATION). THE CONTRACTOR SHALL BE SOLELY LIABLE FOR VIOLATIONS OF ENVIRONMENTAL PERMITS AND CODES RESULTING FROM FAILURE TO IMPLEMENT BMPS IN A TIMELY MANNER.
4.

THE CONTRACTOR SHALL IDENTIFY THE EXCAVATION BOUNDARIES AND DIRECTIONS TO THE EXCAVATION AREA USING WHITE PAINT IN ACCORDANCE WITH THE REQUIREMENTS OF USA NORTH 811. NOTIFICATION TO USA NORTH 811 SHALL BE MADE NOT LESS THAN 2 WORKING DAYS AND NOT MORE THAN 14 CALENDAR DAYS BEFORE DIGGING COMMENCES. USA NORTH 811 MEMBERS WILL IDENTIFY THE LOCATIONS OF UNDERGROUND UTILITIES ONCE THE CONTRACTOR RECEIVES A USA TICKET NUMBER BY CALLING 811 OR APPLYING ONLINE AT [HTTP://USANORTH811.ORG/](http://USANORTH811.ORG/). IF THERE IS UNCERTAINTY REGARDING THE LOCATION OF UNDERGROUND UTILITIES WITHIN THE PERIMETER OF THE EXCAVATION AREA, THE CONTRACTOR SHALL HIRE A QUALIFIED PRIVATE UTILITY LOCATING SERVICE.
5.

IF OVERHEAD UTILITIES ARE PRESENT, THE CONTRACTOR SHALL DETERMINE IF THE UTILITIES WILL INTERFERE WITH EQUIPMENT OPERATIONS. IF OVERHEAD UTILITIES COULD POTENTIALLY INTERFERE WITH EQUIPMENT OPERATIONS, THE CONTRACTOR SHALL PROVIDE A SPOTTER WHO SHALL BE CAPABLE OF COMMUNICATING CLEARANCE DISTANCES AND UNSAFE CONDITIONS TO THE EQUIPMENT OPERATOR.
6.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGE TO OVERHEAD AND UNDERGROUND UTILITIES. IN THE EVENT OVERHEAD OR UNDERGROUND UTILITIES ARE DAMAGED THE CONTRACTOR SHALL CEASE EXCAVATION AND CALL 911 IMMEDIATELY.
7.

IN THE EVENT THAT ARCHAEOLOGICAL RESOURCES ARE ENCOUNTERED DURING EXCAVATION, ALL EXCAVATION WORK SHALL CEASE UNTIL A QUALIFIED ARCHAEOLOGICAL OR TRIBAL MONITOR IS CONSULTED. EXCAVATION WORK SHALL RESTART ONLY UPON THE APPROVAL OF THE QUALIFIED ARCHAEOLOGIST OR TRIBAL MONITOR. IF HUMAN REMAINS OR EVIDENCE OF HUMAN BURIAL ARE ENCOUNTERED THE CONTRACTOR SHALL ALSO CALL 911 AND CONTACT THE COUNTY CORONER IMMEDIATELY.
8.

IF HAZARDOUS MATERIALS, DRUMS, OILY LIQUIDS, UNUSUAL ODORS, OR EVIDENCE OF NATURALLY OCCURRING ASBESTOS IS ENCOUNTERED DURING EXCAVATION, WORK SHALL CEASE AND THE CONTRACTOR SHALL CONTACT THE ENGINEER AS SOON AS POSSIBLE. EXCAVATION SHALL RESUME ONLY UPON THE APPROVAL OF THE ENGINEER.
9.

MATERIAL STORAGE AND HANDLING PROCEDURES SHALL CONFORM WITH THE MANUFACTURER'S RECOMMENDATIONS AND/OR THE INDUSTRY'S GENERALLY ACCEPTED BEST MANAGEMENT PRACTICES.
10.

DETAILS AND NOTES ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES OR TYPICAL DETAILS.
11.

DRAWINGS SHALL NOT BE SCALED. DRAWINGS ARE GENERALLY TO SCALE AND NOT TO SCALE IS SHOWN ONLY WHERE DRAWING IS OBVIOUSLY OUT OF SCALE. WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GRAPHICAL SCALES SHOWN ON DRAWINGS.
12.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE WORK COMMENCES.
13.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CLEAN, SAFE, AND ORDERLY JOB SITE.
14.

THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE THE SITE AFTER CLEARING AND GRUBBING IS COMPLETE AND BEFORE CONSTRUCTION COMMENCES. IF BURIED STRUCTURES SUCH AS CULVERTS, WOODY DEBRIS, FOUNDATIONS, CESSPOOLS, OR LARGE ROCKS ARE ENCOUNTERED, CONSTRUCTION SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
15.

THE ENGINEER SHALL NOT BE HELD LIABLE FOR CONSTRUCTION SITE SAFETY MATTERS, THE CONTRACTOR'S AND THEIR SUBCONTRACTORS ERRORS AND OMISSIONS, NOR FOR FAILURE OF THE CONTRACTOR AND THEIR SUBCONTRACTOR'S FAILURE TO ADHERE TO THE CONSTRUCTION CONTRACT, SPECIFICATIONS, AND DRAWINGS.
16.

SAN MATEO COUNTY PARKS (SMCP) SHALL BE RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS FOR CONSTRUCTION. PACIFIC WATERSHED ASSOCIATES (PWA) SHALL NOT BE LIABLE FOR ANY FINES, FEES, OR VIOLATIONS DUE TO CONSTRUCTION COMPLETED WITHOUT THE REQUIRED PERMITS.

CLEARING AND GRUBBING NOTES:

1.

CLEARING AND GRUBBING ACTIVITIES ARE LIMITED TO THE LIMITS OF DISTURBANCE.
2.

WITHIN THE FOOTPRINT OF THE ENGINEERED EMBANKMENT THE DEPTH OF GRUBBING SHALL BE MINIMIZED, BUT SUFFICIENT TO REMOVE ALL ORGANIC SOILS, WOODY DEBRIS, AND ROOTS IN EXCESS OF 1/2 INCH IN DIAMETER. IN-PLACE SUBGRADE SOILS EXPOSED IN THE ROAD CUT BENCH SHOULD BE SCARIFIED TO A DEPTH OF AT LEAST 6 INCHES TO REMOVE ANY ORGANIC OR DELETERIOUS MATERIALS PRIOR TO COMPACTION AND PREPARATION FOR SURFACING ROCK APPLICATION.
3.

ALL MATERIALS RESULTING FROM CLEARING AND GRUBBING SHALL BECOME THE PROPERTY OF THE CONTRACTOR OR SMCP AS DIRECTED BY SMCP OR SMCP REPRESENTATIVE. ORGANIC MATTER SHALL BE REMOVED FROM THE PROJECT AREA AND STOCKPILED WHERE DIRECTED BY SMCP.
4.

TREES NOT DESIGNATED FOR REMOVAL SHALL BE RETAINED AND PROTECTED.

EXCAVATION AND GRADING NOTES:

1.

ALL EARTHWORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE AND 2018 STATE OF CALIFORNIA TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS.
2.

ENGINEERED FILLS SHALL BEAR ON FIRM UNDISTURBED NATIVE SOILS. IF INCONSISTENT SOIL PROPERTIES ARE OBSERVED DURING GRADING AND EXCAVATION OF THE SITE, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY. SOME INDICATORS OF SOIL INCONSISTENCY INCLUDE CHANGE IN COLOR, TEXTURE, PARTICLE SIZE DISTRIBUTION, PRESENCE OF ORGANIC MATERIALS, AND MOISTURE CONTENT.
3.

THE ENGINEER, GEOLOGIST OR QUALIFIED PWA REPRESENTATIVE SHALL INSPECT EXCAVATION FOLLOWING STRIPPING OF TOP SOIL UNDERLYING THE EMBANKMENT AND BEFORE PLACEMENT OF EMBANKMENT FILL.
4.

ALL COMPACTED FILL EXCEPT THE UPPER TWO FEET SHALL BE FREE OF WOODY DEBRIS, ORGANIC MATERIAL, AND TOPSOIL.
5.

FILL SHALL BE MOISTURE CONTROLLED AND COMPACTED TO A MINIMUM OF 95% RELATIVE DENSITY. COMPACTION SHALL OCCUR IN LIFTS NO GREATER THAN 8 INCHES.
6.

COMPACTION BY TRACK WALKING WITH HEAVY EQUIPMENT IS UNACCEPTABLE.
7.

IF THE DEGREE OF COMPACTION IS IN QUESTION, THE AREA SHALL BE PROOF-ROLLED BY A LOADED DUMP TRUCK. IF THE

8.

EARTH MATERIALS WITHIN 1 FOOT UNDERLYING THE ROADWAY SHALL BE MOISTURE CONTROLLED AND COMPACTED TO A MINIMUM OF 100% RELATIVE DENSITY PRIOR TO PLACEMENT OF ROCK SURFACING AGGREGATE

EROSION AND SEDIMENT CONTROL NOTES:

1.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EROSION AND PREVENT THE DELIVERY OF SEDIMENT OR OTHER POLLUTANTS TO SURFACE WATERS OR OTHER SENSITIVE AREAS. CONTRACTOR WILL BE RESPONSIBLE FOR ALL FINES AND CLEANUP OF ANY VIOLATIONS RESULTING FROM THE FAILURE TO MINIMIZE EROSION AND DELIVERY OF POLLUTANTS.
2.

WORK SHALL BE CONDUCTED DURING DRY WEATHER PERIODS WHEN ALL GRADING, EROSION CONTROL, AND SITE STABILIZATION MEASURES CAN BE IMPLEMENTED PRIOR TO RAINFALL.
3.

FINISHED FILL-SLOPES AND CUT-SLOPES WILL BE SEEDED WITH EROSION CONTROL SEED NOT CONTAINING ANNUAL OR PERENNIAL RYEGRASS AT A RATE OF 50#/ACRE AND MULCHED WITH RICE STRAW AT A RATE OF 4,000#/ACRE. APPLICATION OF RICE STRAW WILL BE IN CONFORMANCE WITH BEST MANAGEMENT PRACTICE EC-6 OF THE 2009 CALIFORNIA STORMWATER BMP HANDBOOK ISSUED BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA).
4.

FINISHED REINFORCED STEEPENED SLOPE (RSS) FILL FACES WILL BE PROTECTED FROM SIGNIFICANT EROSION BY APPLICATION OF EROSION CONTROL SEED AND EROSION CONTROL BLANKETS MADE ENTIRELY OF NATURAL COMPOSTABLE MATERIALS (CASQA EC-7).
5.

CONSTRUCTED FILLSLOPES AND DISTURBED SLOPES IN EXCESS OF 20 FEET IN SLOPE LENGTH SHALL BE TREATED BY APPLICATION OF STRAW OR FIBER ROLLS AS LINEAR SEDIMENT CONTROL STRUCTURES IN CONFORMANCE WITH BEST MANAGEMENT PRACTICE SE-5 OF THE 2009 CALIFORNIA STORMWATER BMP HANDBOOK ISSUED BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA). LINEAR SEDIMENT CONTROL STRUCTURES SHALL BE PLACED NO FARTHER THAN 10 FEET APART BY SLOPE LENGTH.
6.

CONTRACTOR SHALL KEEP PROJECT AREAS GENERATING DUST WATERED DURING THE TERM OF CONSTRUCTION.
7.

SOLID WASTE, SUCH AS TRASH, DEBRIS, AND SANITARY WASTE SHALL BE PLACED IN CONTAINERS AND REMOVED FROM THE SITE PERIODICALLY OR DISPOSED OF AS DIRECTED BY SMCP.
8.

IF RAINFALL GREATER THAN 1 INCH IN A 24 HOUR PERIOD IS FORECAST PRIOR TO THE COMPLETION OF GRADING, OR IF ACCUMULATED PRECIPITATION HAS MADE FILL MATERIALS UNSUITABLE FOR COMPACTION AND STABLE CONSTRUCTION, THE SITE WILL BE STABILIZED AND PROTECTED FROM SURFACE EROSION. PLASTIC SHEETING WILL BE USED TO COVER ALL FILL STOCKPILES AND UNFINISHED SLOPES AND SECURED BY PLACEMENT OF MULTIPLE HEAVY OBJECTS.

AGGREGATE SURFACING NOTES:

1.

IMMEDIATELY BEFORE PLACEMENT OF AGGREGATE BASE (AB), SUBGRADE MUST COMPLY WITH SPECIFIED COMPACTION CRITERIA, GRADE TOLERANCE, AND BE FREE FROM LOOSE OR EXTRANEOUS MATERIAL.
2.

ROAD CUTBENCH MATERIALS SHALL BE SCARIFIED TO A DEPTH OF AT LEAST 6 INCHES TO REMOVE ORGANIC OR DELETERIOUS MATERIALS PRIOR TO COMPACTION AND PREPARATION FOR AB SURFACING.
3.

AB SHALL CONFORM WITH CALTRANS 1.5 INCH CLASS 2 AB GRADATION SPECIFICATIONS, HAVE NO MORE THAN 45 PERCENT PARTICLES PASSING THE NO. 4 SIEVE, AND HAVE A FINES CONTENT OF 10-15 PERCENT. THE PLASTICITY INDEX OF AB MATERIALS SHALL FALL BETWEEN 5 AND 11.
4.

AB SHALL BE PLACED IN LAYERS OR WINDROWS AND SPREAD INTO PLACE IN LAYERS NOT EXCEEDING 0.30 FT.
5.

AB MUST HAVE UNIFORM AND SUFFICIENT MOISTURE CONTENT AT THE TIME OF SPREADING TO OBTAIN THE REQUIRED COMPACTION.
6.

COMPACT EACH AB LAYER TO AT LEAST 95 PERCENT RELATIVE COMPACTION.

INSPECTIONS:

1.

SUBGRADE CONDITIONS FOR ALL ENGINEERED FILL SITES
2.

PERIODIC ROAD GRADE CHECKS
3.

FINISHED GRADE
4.

95% AND 100% COMPACTION REQUIREMENTS
5.

PLACEMENT OF EROSION CONTROL MEASURES

PWA WILL DOCUMENT INSPECTIONS AND SUMMARIZE IN A LETTER WHICH WILL BE SUBMITTED TO THE COUNTY

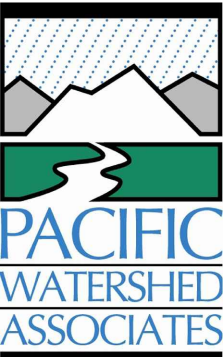
SCOPE OF WORK:

THIS PROJECT CREATES A FIRE ROAD EXTENSION FROM CORONADO AVE. TO CONNECT TO THE SOUTH RIDGE TRAIL.

ESTIMATE OF QUANTITIES	DESCRIPTION	UNIT	EST. QTY.
	EARTHWORK	CY	6,100
	TREES TO BE REMOVED	EA	246
	EROSION CONTROL BLANKET	SQ FT	1,600
	SILT FENCE	FT	3,000
	STRAW MULCH	SQ FT	40,250
	NON-WOVEN GEOTEXTILE	SQ FT	45,200
	3XT GEOGRID	SQ FT	9,150
	BXG120 GEOGRID	SQ FT	3,750
	CALTRANS CLASS 2 AB - 3/4" MINUS GRADATION	TONS	1,200

ESTIMATED QUANTITIES ARE FOR REFERENCE PURPOSES ONLY.

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APPROVED DATE: 2/10/2023
<i>2B4</i>
ENGINEERING CONSULTANT
PACIFIC WATERSHED ASSOCIATES
R.C.E. # 55699 / EXPIRES 12-31-2024



		DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT CONSTRUCTION NOTES AND QUANTITIES	SCALE: NONE
		CHECKED BY: LBJ		DATE: 1/17/2023
		DRAWN BY: BTK/UPS		FILE NO.: 1/E5053
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				C-1 SHEET 2 OF 16



APPROVED:

DATE: 05/05/2023

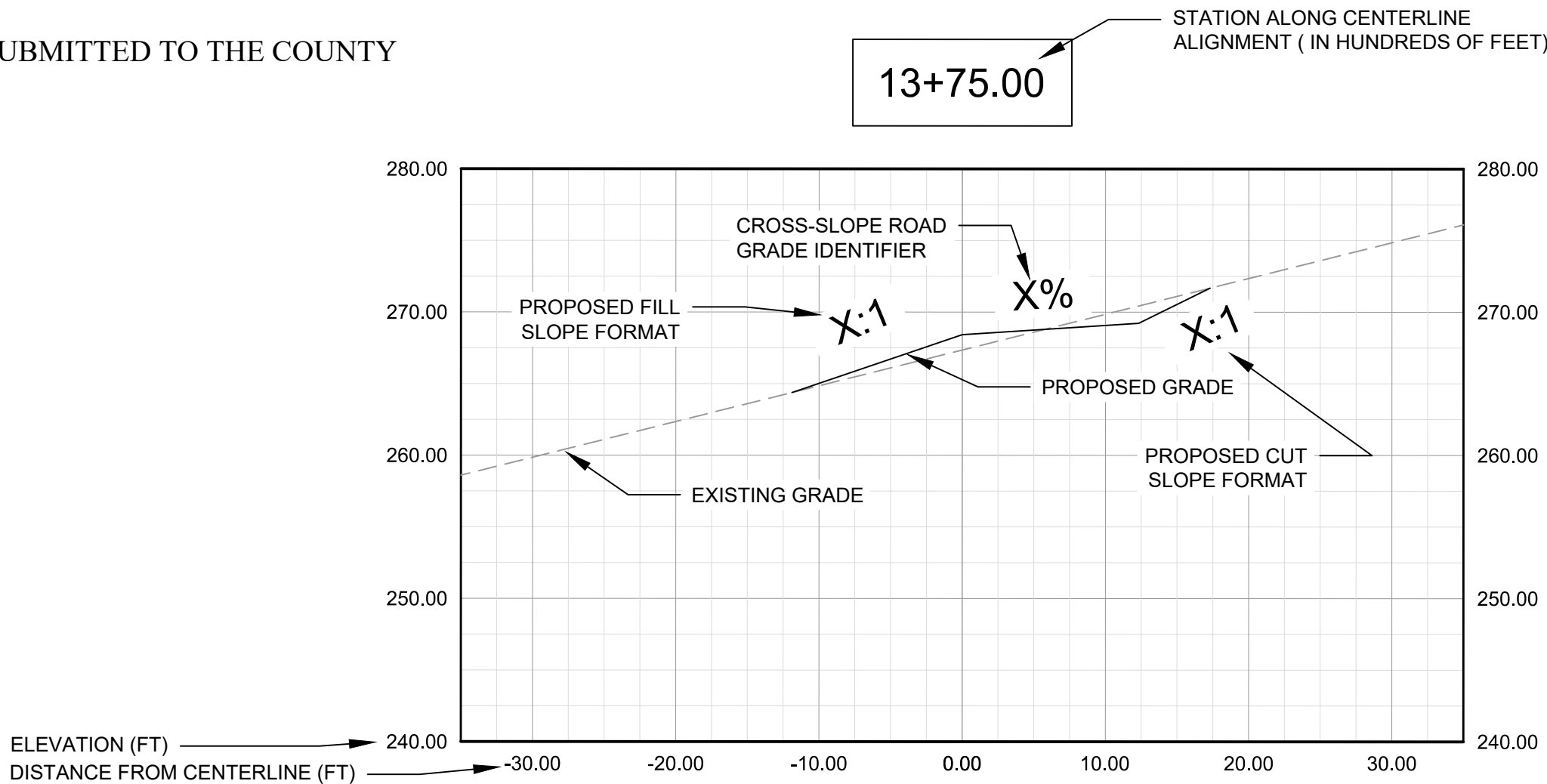
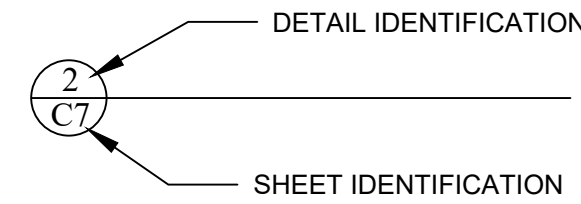
Ann Mader Stillman

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

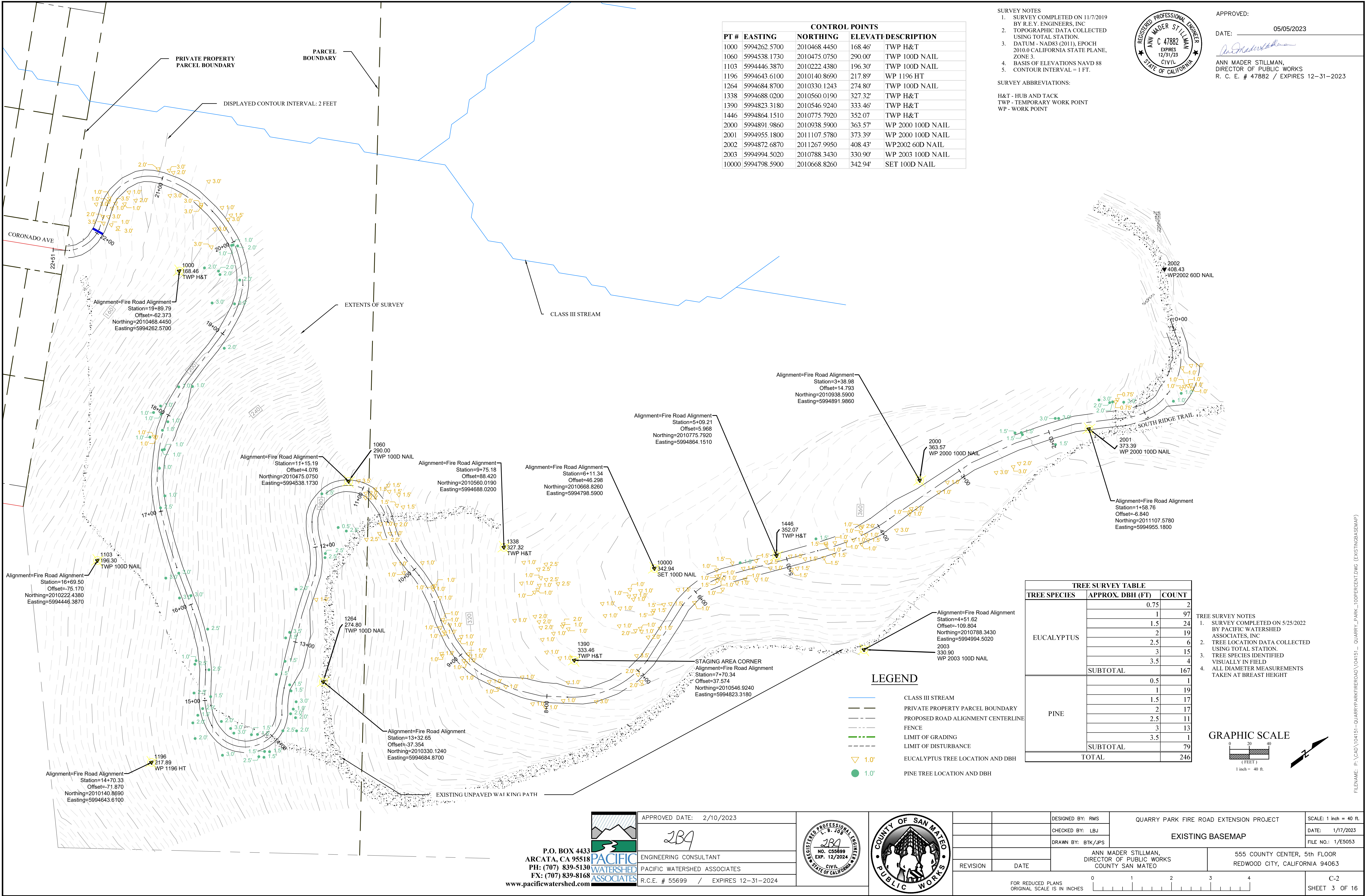
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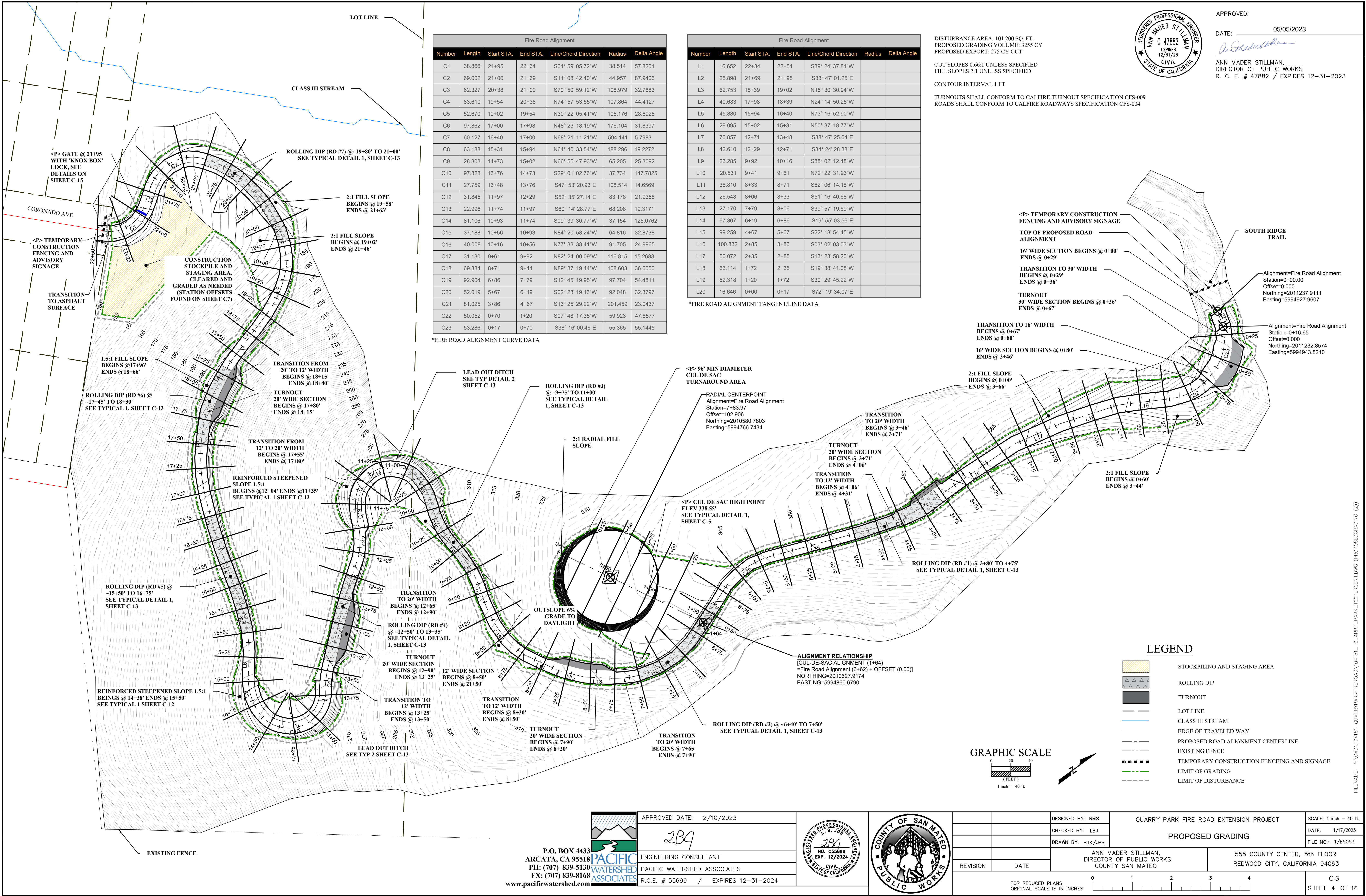
1+00	ALIGNMENT STATIONING (FEET)
—+0—	EXISTING CONTOUR WITH ELEVATION
+0	PROPOSED CONTOUR WITH ELEVATION
10+00	SAMPLE LINE FOR CROSS SECTIONS
— · — · —	LIMIT OF GRADING
— · — · —	LIMIT OF DISTURBANCE
— □ —	CASQA SE - 1 SILT FENCE
	ROLLING DIP (TYPICAL DETAIL 1, SHEET C-13)
	TURNOUT
	CASQA EC-6 SEED AND STRAW (TYPICAL DETAIL 1, SHEET C-8)
	CASQA EC-16 CALTRANS CLASS 2 AB 3/4" MINUS GRADATION (TYPICAL DETAIL 3, SHEET C-13)
	CASQA EC-7 EROSION CONTROL BLANKET (TYPICAL DETAIL 2, SHEET C-8)

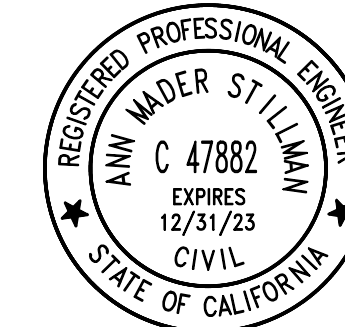
PROFILE/SECTION LABELS



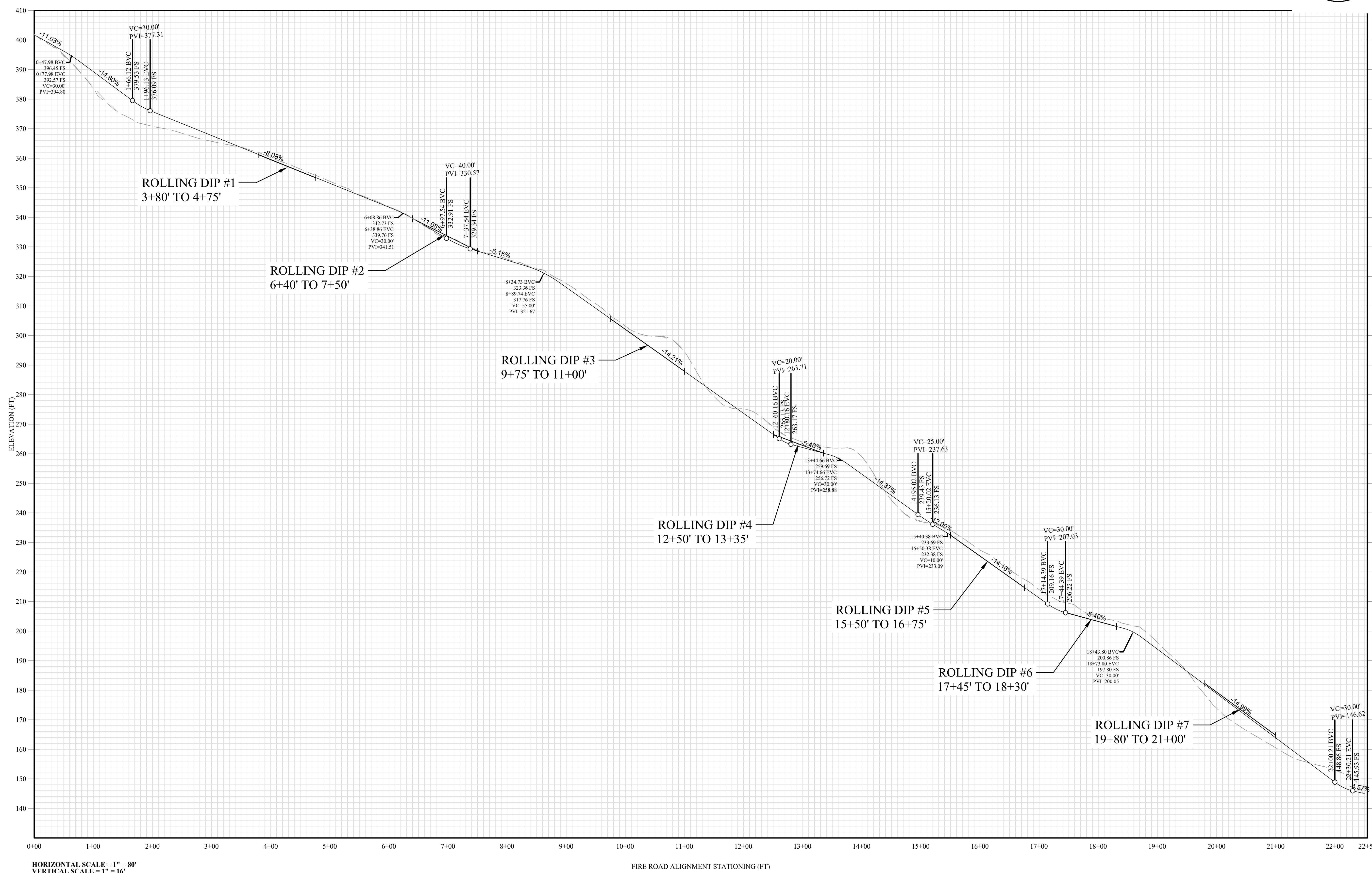
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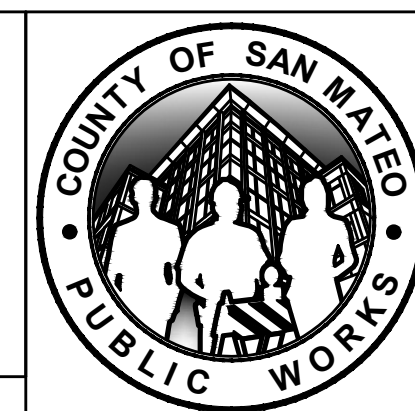
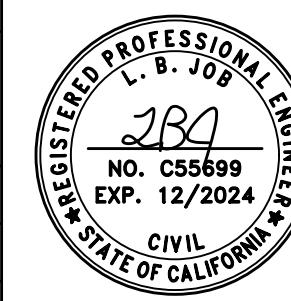
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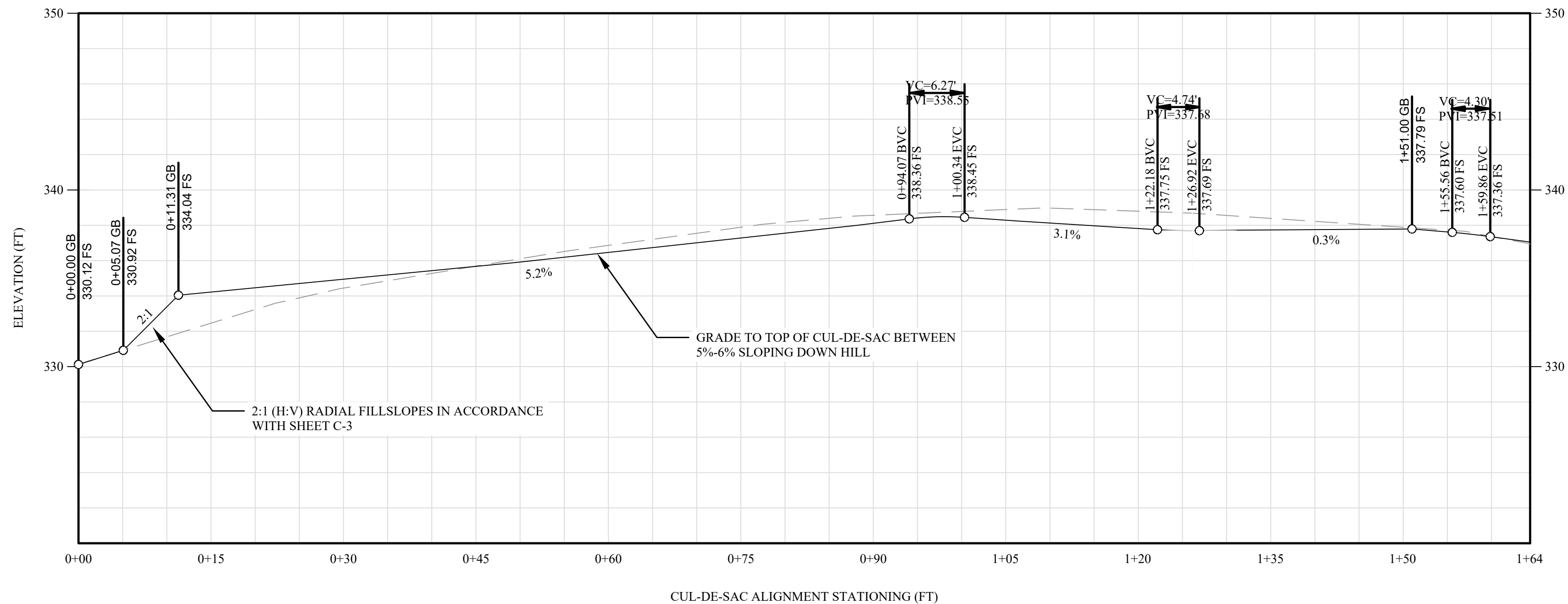
APPROVED DATE: 2/10/2023
2B4
ENGINEERING CONSULTANT
PACIFIC WATERSHED ASSOCIATES
R.C.E. # 55699 / EXPIRES 12-31-2024



		DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT		SCALE: SEE NOTES
		CHECKED BY: LBJ	PROPOSED ROAD PROFILE		DATE: 1/17/2023
		DRAWN BY: BTK/JPS	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		FILE NO.: 1/E5053
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4					C-4 SHEET 5 OF 16



APPROVED: _____
DATE: 05/05/2023
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DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



1 DESIGN PROFILE

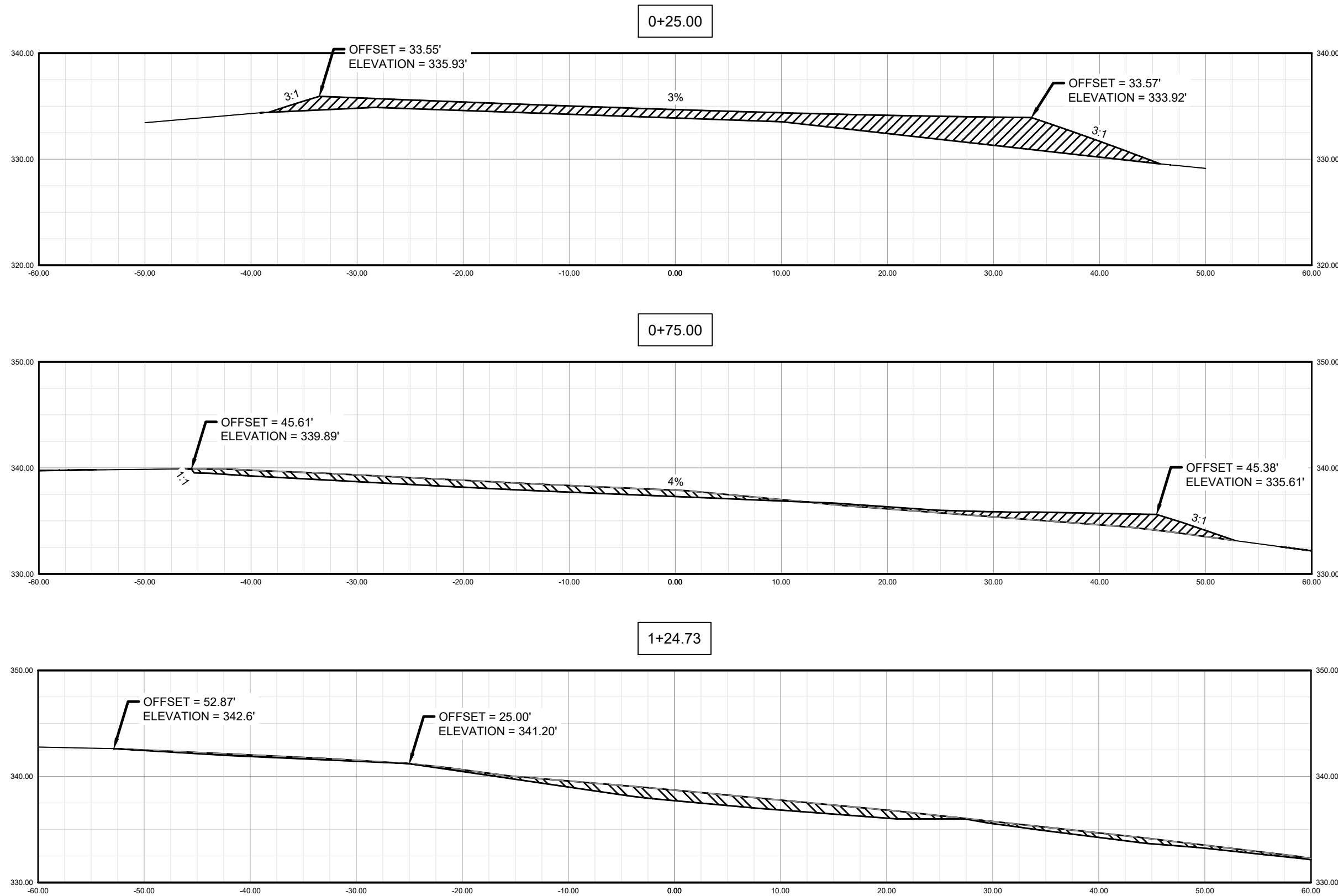
C-5 CUL-DE-SAC TURNAROUND

LEGEND

--- EXISTING GRADE

— PROPOSED GRADE

PROFILE NOTES:
HORIZONTAL SCALE = 1" = 15'
VERTICAL SCALE = 1" = 5'



2 MATERIAL CROSS SECTIONS

C-5 CUL-DE-SAC TURNAROUND

MATERIAL CROSS SECTION NOTE:

SAMPLE LINES USED TO GENERATE CROSS SECTION VIEWS DO NOT PASS THROUGH RADIAL CENTER POINT OF THE CUL-DE-SAC, RESULTING IN FILL SLOPES THAT APPEAR TO BE LESS THAN 2:1. ALL CUL-DE-SAC FILL SLOPES SHALL BE 2:1 AS MEASURED FROM THE RADIAL CENTER POINT OF THE CUL-DE-SAC.

LEGEND

--- EXISTING GRADE

— PROPOSED GRADE

PROPOSED CUT AREA

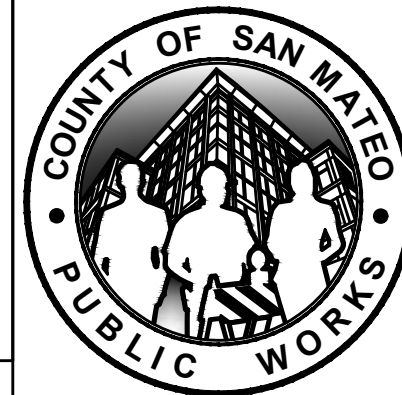
PROPOSED FILL AREA

SECTION NOTES:
ALL CROSS SECTIONS LOOKING NORTH EAST TOWARDS FIRE ROAD CENTERLINE ALIGNMENT
HORIZONTAL SCALE = 1" = 10'
VERTICAL SCALE = 1" = 10'

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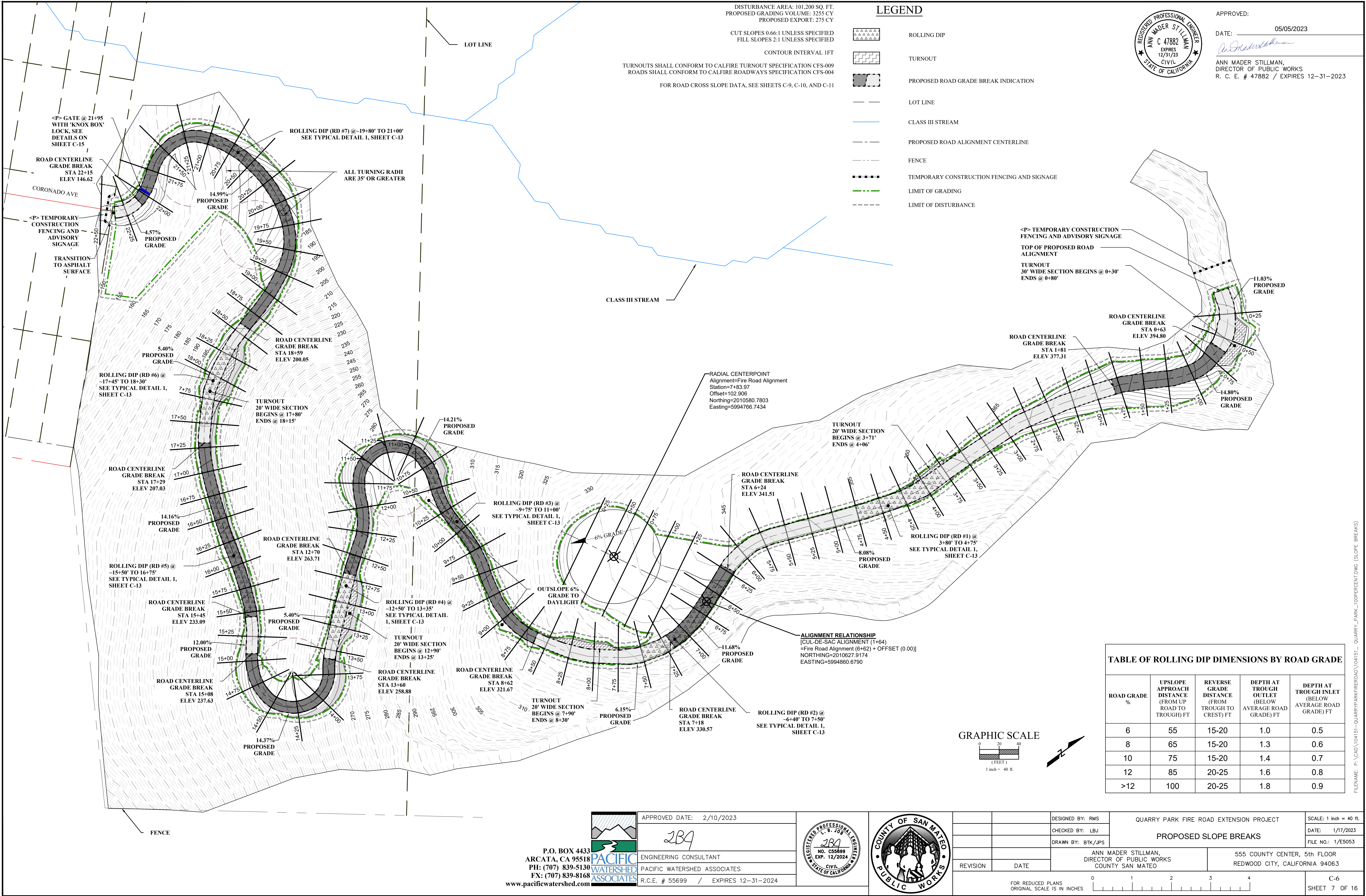


DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT	SCALE: SEE NOTES
CHECKED BY: LBJ	CUL-DE-SAC PROFILE & SECTIONS	DATE: 1/17/2023
DRAWN BY: BTK/UPS		FILE NO: 1/E5053
REVISION	DATE	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
		C-5 SHEET 6 OF 16

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

0 1 2 3 4

FILENAME: P:\CA0\104151-QUARRY PARK FIRE ROAD\104151_ QUARRY PARK_100PERCENT.DWG (CUL-DE-SAC PROFILE)





APPROVED: _____
DATE: 05/05/2023
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

Total Volume Table						
Station	Cut Area (SQFT)	Fill Area (SQFT)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Volume	Cumulative Fill Volume
0+25.00	17.17	12.42	0	0	0	0
0+50.00	6.74	38.01	12.84	24.94	12.84	24.94
0+75.00	0.14	98.56	2.9	68.37	15.74	93.31
1+00.00	0	187.5	0.05	145.88	15.8	239.19
1+25.00	0	237.78	0	220	15.8	459.19
1+50.00	0.02	231.78	0.01	243.47	15.8	702.66
1+75.00	0	194.97	0.01	221	15.81	923.66
2+00.00	0	136.18	0	170.8	15.81	1094.46
2+25.00	0	96.98	0	120.32	15.81	1214.78
2+50.00	0	75.01	0	88.94	15.81	1303.71
2+75.00	0	57.77	0	68.66	15.81	1372.37
3+00.00	0.08	38.64	0.03	49.66	15.84	1422.03
3+25.00	0	19.65	0.03	29.67	15.87	1451.71
3+50.00	0.94	3.88	0.35	11.15	16.22	1462.86
3+75.00	10.35	0.96	5.33	2.34	21.55	1465.19
4+00.00	11.87	0.15	12.33	0.52	33.88	1465.71
4+25.00	11.56	0	13.01	0.05	46.89	1465.76
4+50.00	9.62	0	11.75	0	58.64	1465.76
4+75.00	9.33	0	10.53	0	69.17	1465.76
5+00.00	8.21	0	9.74	0	78.9	1465.76
5+25.00	7.83	0	8.91	0	87.81	1465.76
5+50.00	2.03	0.14	5.13	0.05	92.94	1465.81
5+75.00	4.22	0	3.4	0.05	96.34	1465.86
6+00.00	2.29	0	3.56	0	99.9	1465.86
6+25.00	4.19	0.09	3.55	0.04	103.45	1465.9
6+50.00	4.49	0.31	4.82	0.2	108.27	1466.1
6+75.00	13.93	5.53	9.75	2.47	118.02	1468.57
7+00.00	26.39	0	22.04	1.91	140.06	1470.48
7+25.00	29.74	0	31.17	0	171.22	1470.48
7+50.00	6.55	0.63	18.61	0.22	189.83	1470.7

Total Volume Table						
Station	Cut Area (SQFT)	Fill Area (SQFT)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Volume	Cumulative Fill Volume
7+75.00	9.34	0.08	8.78	0.33	198.61	1471.02
8+00.00	18.4	0.63	15.13	0.33	213.74	1471.35
8+25.00	22.47	0.41	22.67	0.53	236.4	1471.88
8+50.00	6	0.39	14.84	0.41	251.25	1472.29
8+75.00	9.33	0	8.45	0.14	259.69	1472.43
9+00.00	19.12	0	15.48	0	275.18	1472.43
9+25.00	21.59	0	22.61	0	297.78	1472.43
9+50.00	21.69	0	24.05	0	321.83	1472.43
9+75.00	16.34	0.19	21.06	0.07	342.89	1472.49
10+00.00	15.49	0.19	17.68	0.2	360.57	1472.69
10+25.00	27.81	0	23.73	0.08	384.3	1472.77
10+50.00	95.8	0	64.9	0	449.2	1472.77
10+75.00	214.12	0	167.83	0	617.03	1472.77
11+00.00	191.24	0	225.08	0	842.11	1472.77
11+25.00	72.61	0	141.36	0	983.48	1472.77
11+50.00	23.51	26.99	50.9	9.33	1034.38	1482.1
11+75.00	24.4	41.07	26.61	35.04	1060.99	1517.14
12+00.00	24.49	1.22	27.16	17.06	1088.14	1534.2
12+25.00	47.11	0	39.1	0.42	1127.24	1534.62
12+50.00	33.41	0	44.52	0	1171.76	1534.62
12+75.00	51.09	0	46.6	0	1218.36	1534.62
13+00.00	80.08	0	72.27	0	1290.63	1534.62
13+25.00	79.13	0	88.45	0	1379.07	1534.62
13+50.00	40.5	0	65.28	0	1444.35	1534.62
13+75.00	141.72	0	95.55	0	1539.9	1534.62
14+00.00	156.49	0	165.6	0	1705.5	1534.62
14+25.00	56.59	0	113.77	0	1819.27	1534.63
14+50.00	0.28	33.05	22.54	11.42	1841.81	1546.05
14+75.00	0.01	64.37	0.12	49.62	1841.93	1595.67
15+00.00	2.41	33.34	0.94	49.79	1842.86	1645.46

Total Volume Table						
Station	Cut Area (SQFT)	Fill Area (SQFT)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Volume	Cumulative Fill Volume
15+25.00	9.2	4.79	6.04	17.55	1848.91	1663.01
15+50.00	22.49	0	17.07	1.66	1865.97	1664.67
15+75.00	30.01	0	29.06	0	1895.04	1664.67
16+00.00	30.87	0	33.82	0	1928.86	1664.67
16+25.00	40.4	0	39.48	0	1968.34	1664.67
16+50.00	36.81	0	42.88	0	2011.22	1664.67
16+75.00	43.9	0	44.78	0	2055.99	1664.67
17+00.00	45.38	0	49.59	0	2105.59	1664.67
17+25.00	56.31	0	56.38	0	2161.97	1664.67
17+50.00	59.15	0	64.14	0	2226.11	1664.67
17+75.00	57.23	0.59	64.65	0.2	2290.76	1664.87
18+00.00	100.87	2.63	86.7	1.54	2377.46	1666.42
18+25.00	95.42	2.94	109.04	2.89	2486.5	1669.3
18+50.00	32.42	3.27	67.94	3.22	2554.44	1672.52
18+75.00	50.97	0	45.94	1.13	2600.38	1673.65
19+00.00	37.12	0	48.74	0	2649.12	1673.65
19+25.00	20.3	6.5	31.44	2.25	2680.55	1675.9
19+50.00	4.36	19.67	12.62	12.96	2693.17	1688.86
19+75.00	0	94.62	1.61	54.42	2694.78	1743.28
20+00.00	0	175.9	0	138.11	2694.78	1881.39
20+25.00	0	207.02	0	198.33	2694.78	2079.72
20+50.00	0	188.25	0	204.87	2694.78	2284.59
20+75.00	0	162.58	0	181.74	2694.78	2466.34
21+00.00	0	120.8	0	146.4	2694.78	2612.74
21+25.00	0	79.81	0	103.29	2694.78	2716.03
21+50.00	1.59	12.46	0.59	42.8	2695.37	2758.82
21+75.00	44.59	0	20.22	4.31	2715.59	2763.13
22+00.00	99.88	0	78.23	0	2793.82	2763.13
22+25.00	91.4	0	106.23	0	2900.04	2763.13
22+50.00	2.13	0.12	39.81	0.04	2939.85	2763.17

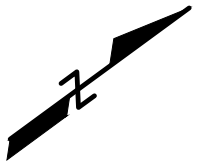
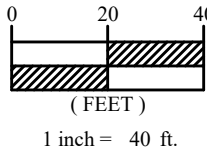
*CUT/FILL VOLUME FOR THIS TABLE ARE ONLY FOR THE PROPOSED ROAD ALIGNMENT AND DO NOT CONSIDER THE PROPOSED CUL DE SAC VOLUMES OR THE PROPOSED SPOILS AREA. ESTIMATES IN THIS TABLE ARE APPROXIMATE. SPECIFIC VOLUME CALLOUTS TAKE PRECEDENCE. SEE SHEET C-2 FOR TOTAL EARTHWORK VOLUME.

-80 CY CUT NEEDS TO BE OFF HAULED
ONCE THE CUL DE SAC AND ADJACENT
ROAD SECTIONS (6+25 - 7+25) ARE ROCKED

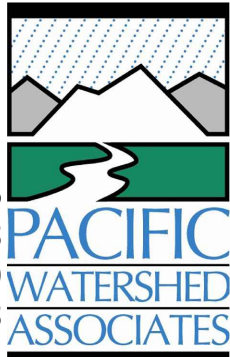
DISTURBANCE AREA: 101,200 SQ. FT.
NET GRADING VOLUME FOR ENTIRE PROJECT (CUT): 105 CY

LIMIT OF GRADING
LIMIT OF DISTURBANCE
CUT AREA W/ GREATER THAN 6' CUT DEPTH
CUT AREA W/ 0' - 6' CUT DEPTH
FILL AREA W/ LESS THAN 6' FILL DEPTH
FILL AREA W/ GREATER THAN 6' FILL DEPTH

GRAPHIC SCALE



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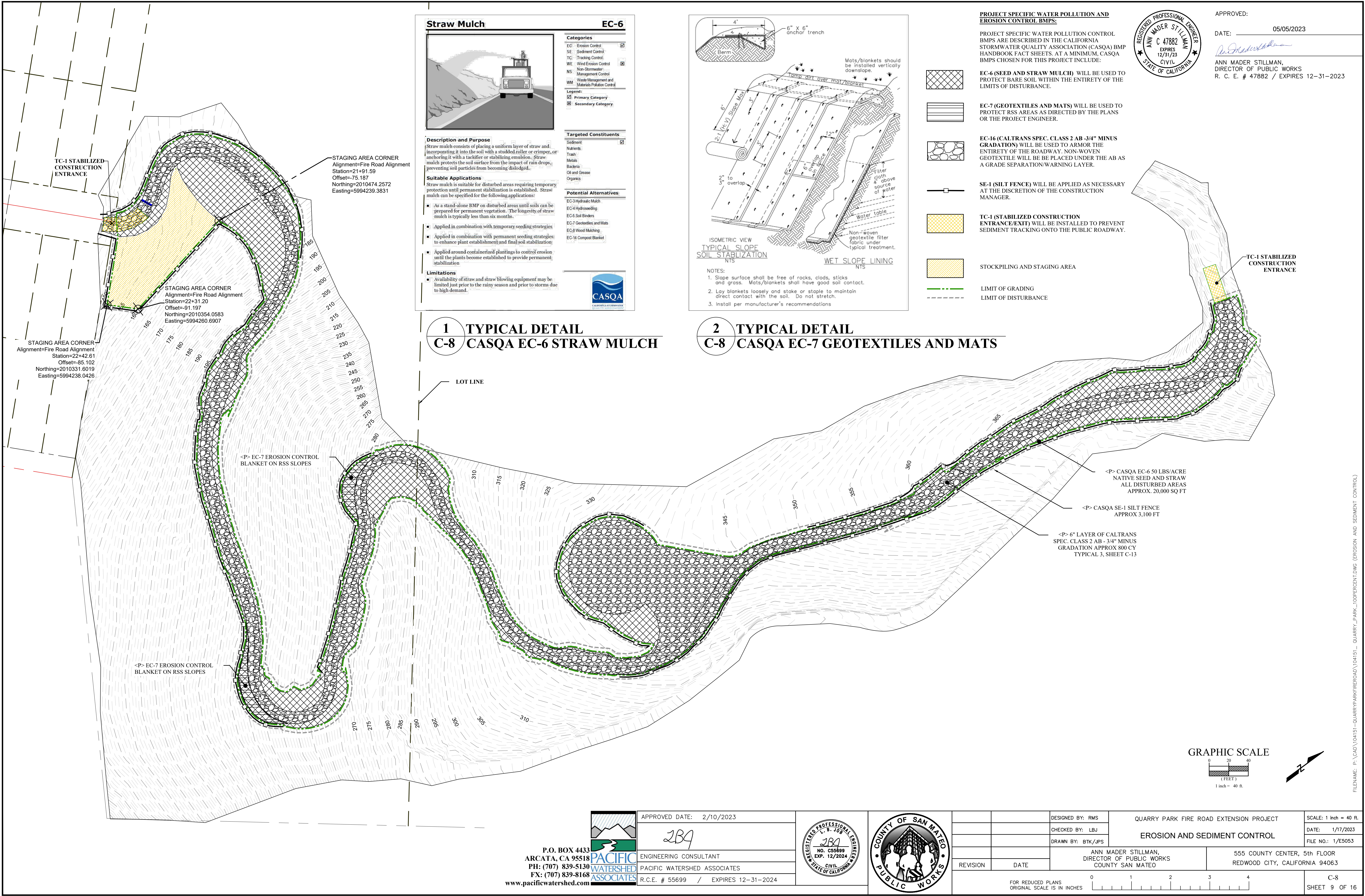
APPROVED DATE: 2/10/2023
2B4
ENGINEERING CONSULTANT
PACIFIC WATERSHED ASSOCIATES
R.C.E. # 55699 / EXPIRES 12-31-2024



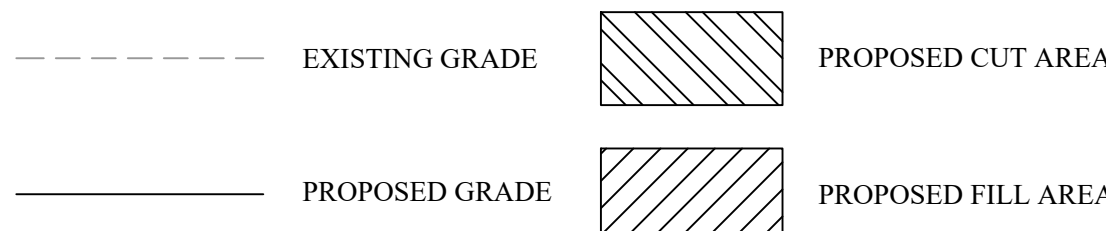
DESIGNED BY: RMS		QUARRY PARK FIRE ROAD EXTENSION PROJECT		SCALE: 1 inch = 40 ft.
CHECKED BY: LBJ		CUT AND FILL		DATE: 1/17/2023
DRAWN BY: BTK/UPS		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		FILE NO.: 1/E5053
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		C-7 SHEET 8 OF 16

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES





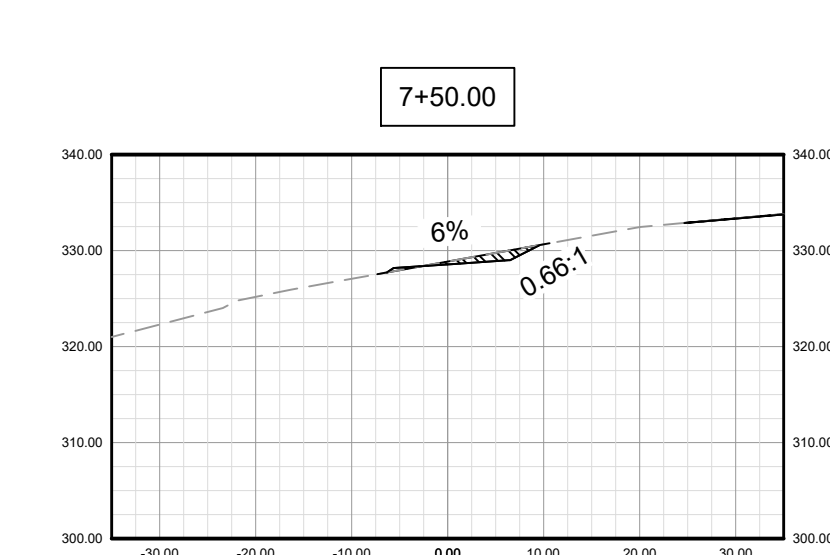
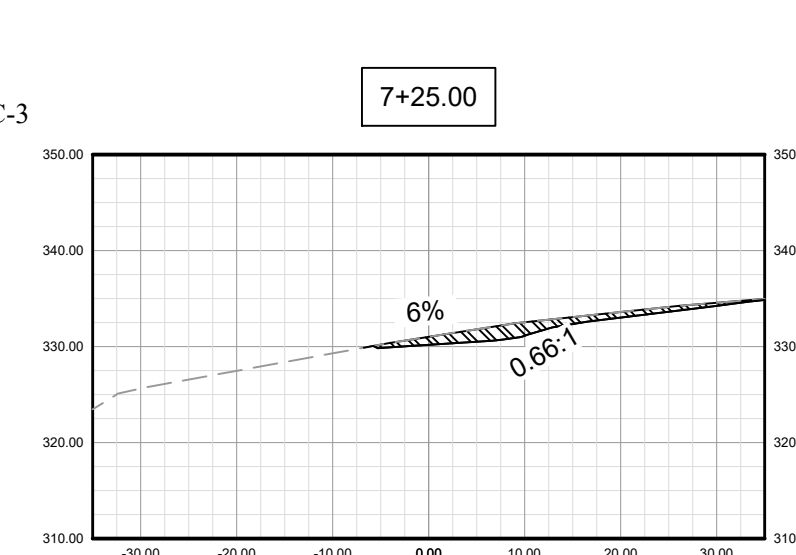
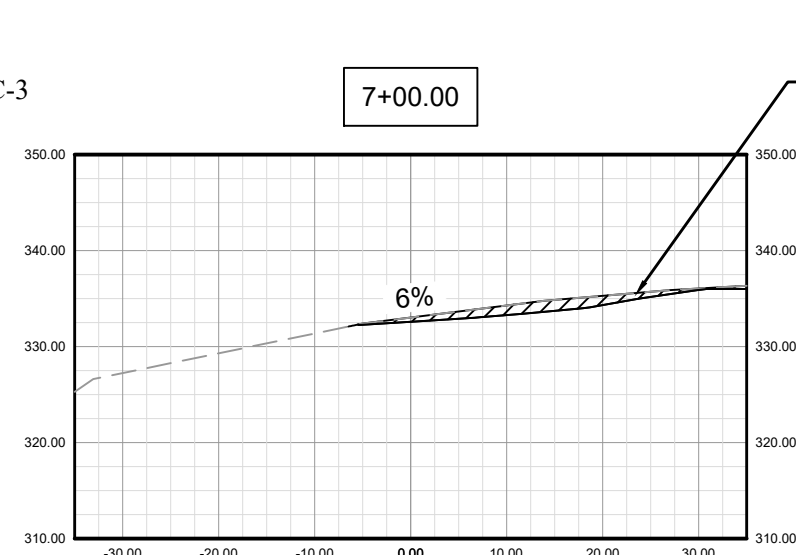
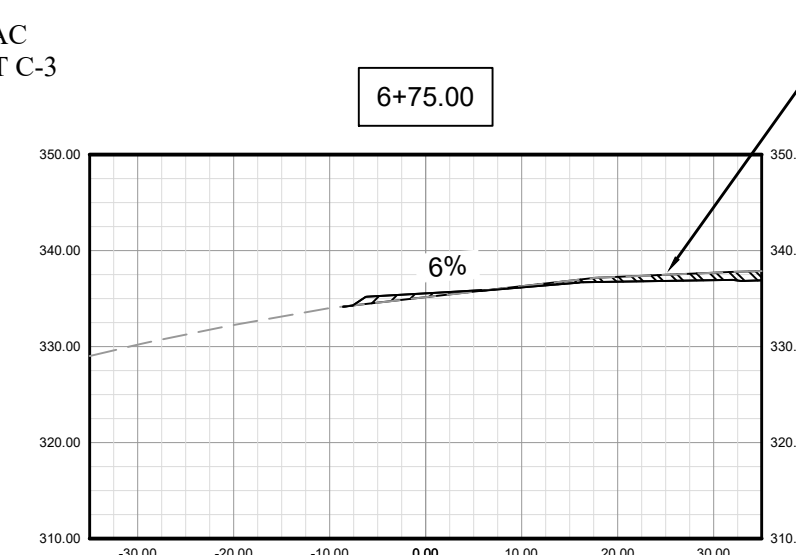
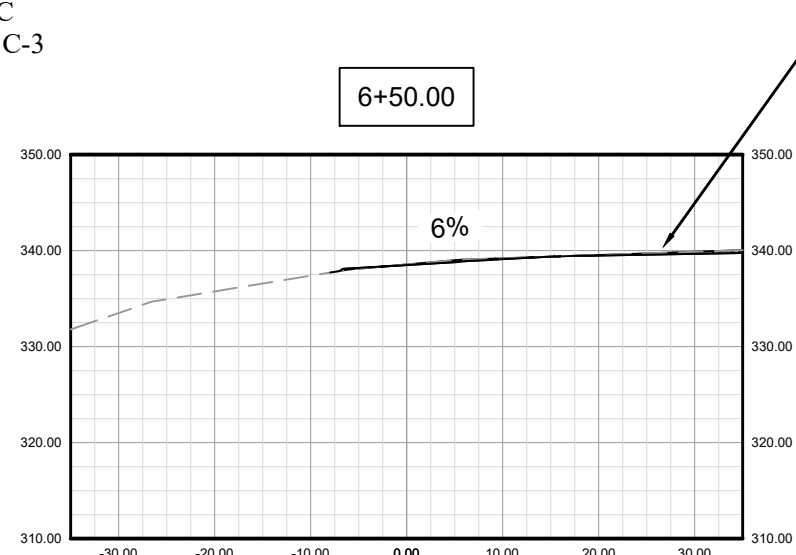
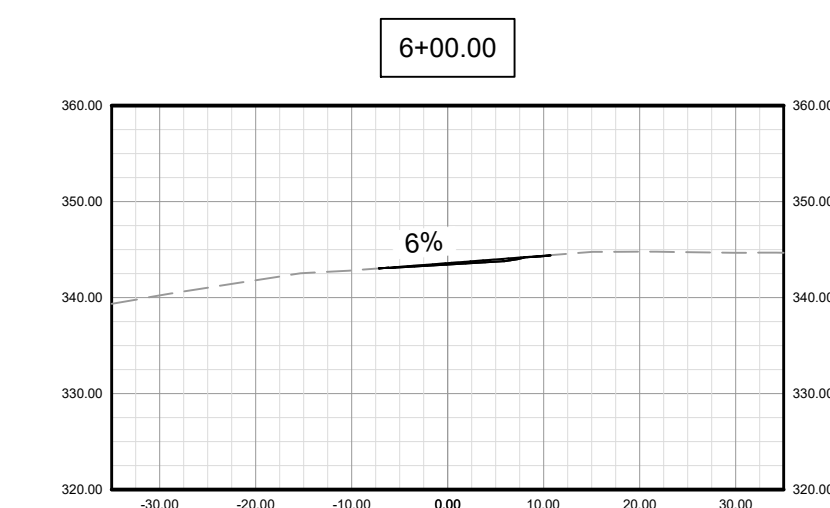
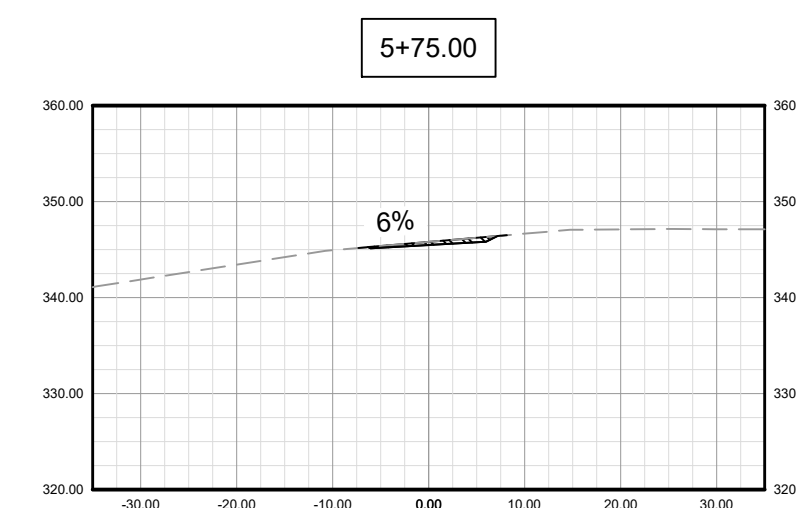
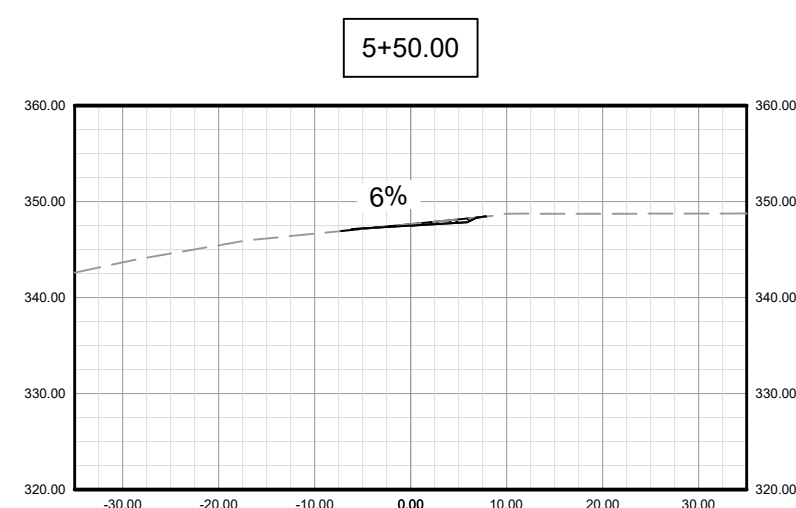
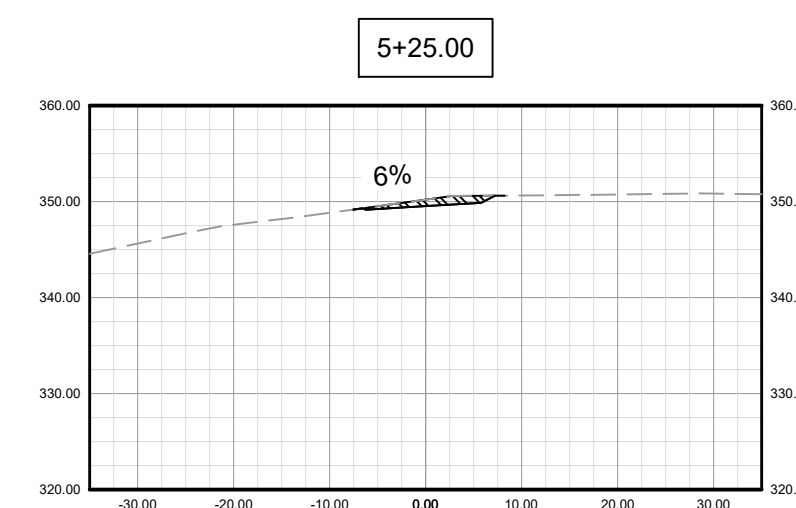
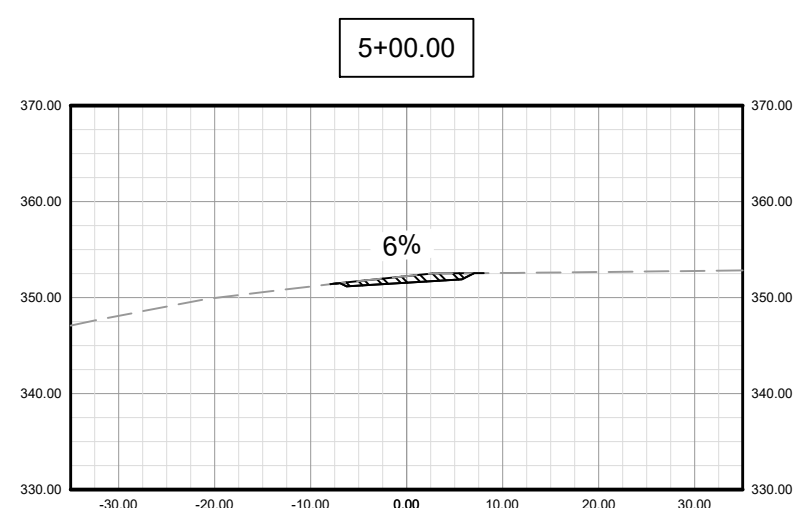
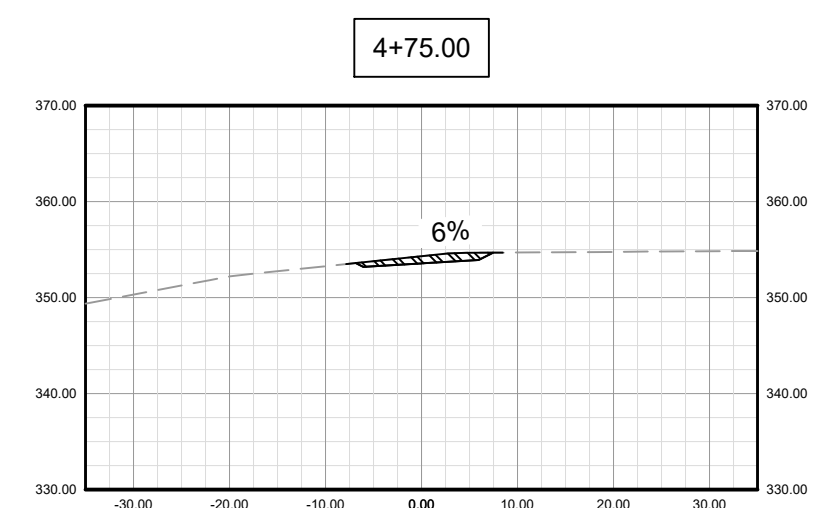
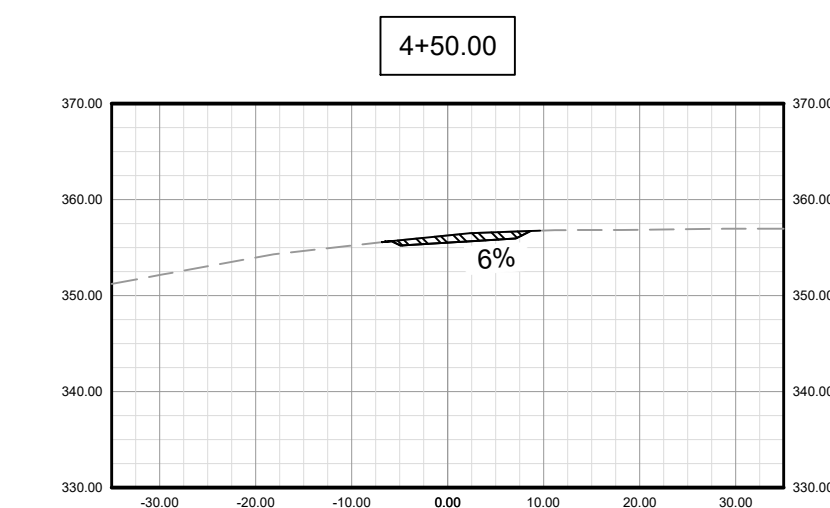
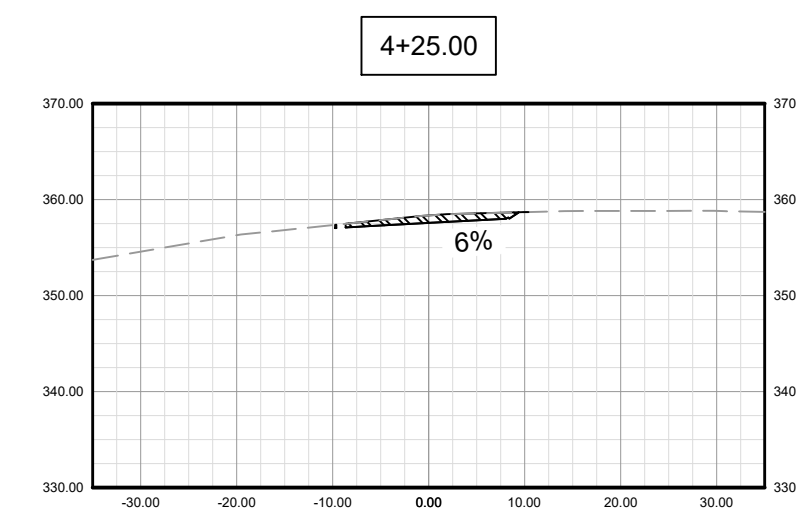
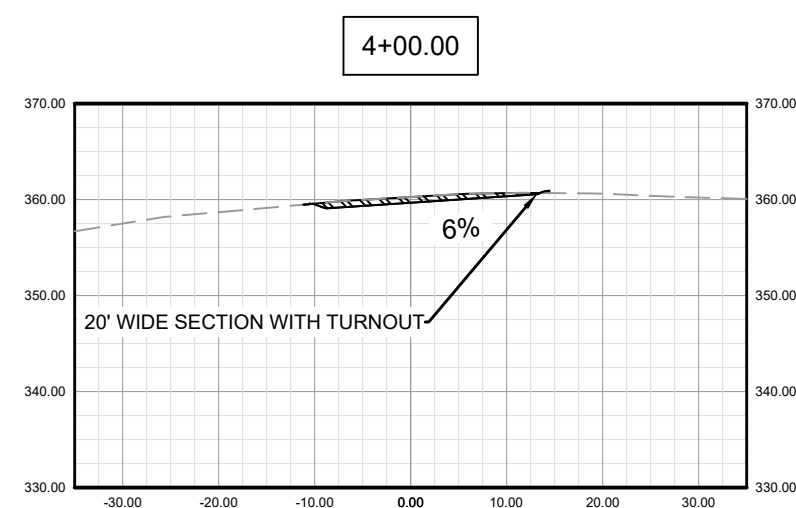
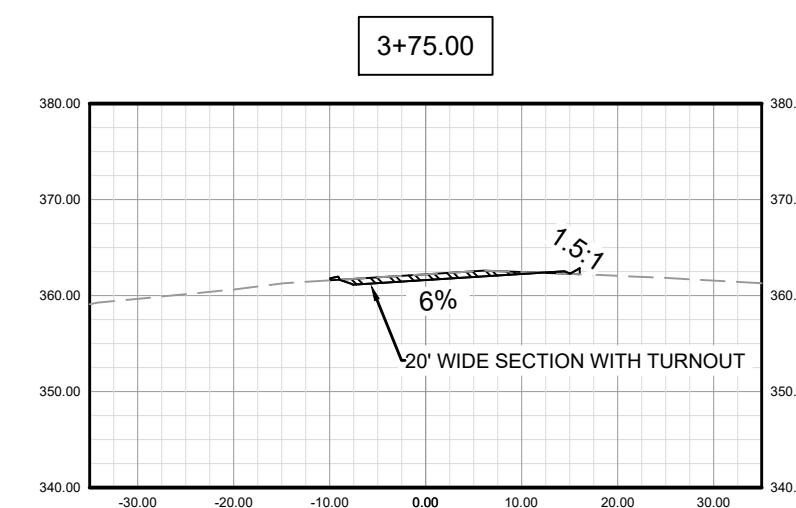
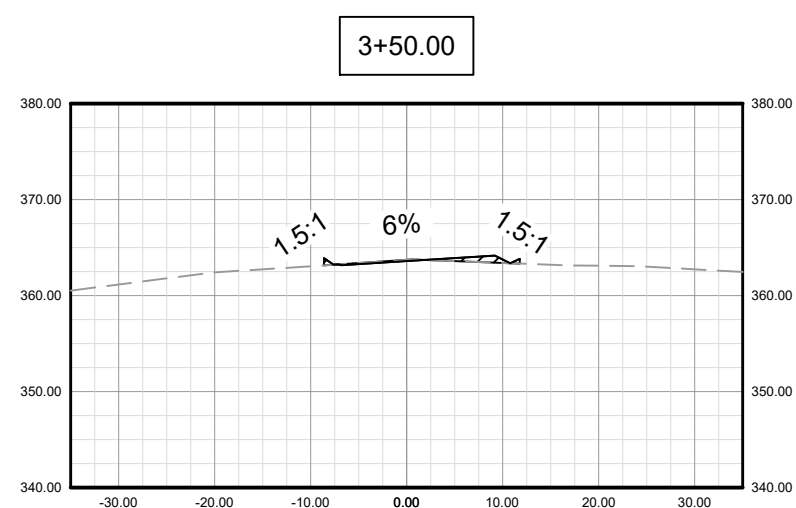
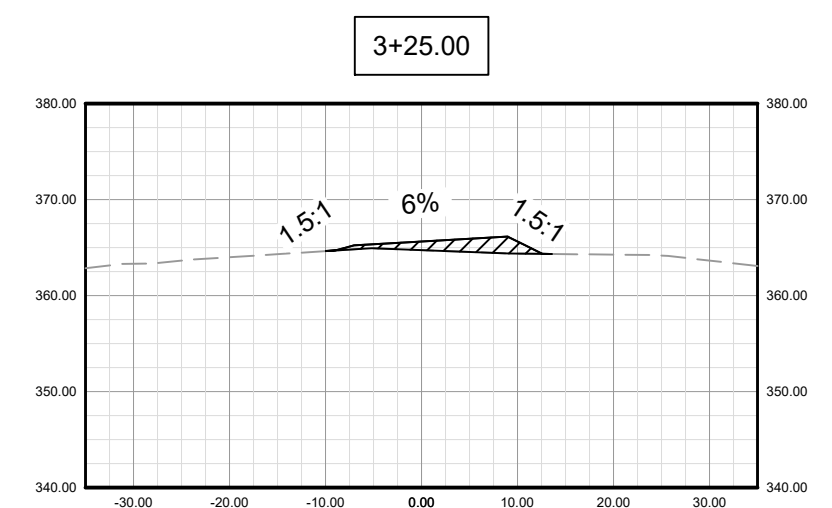
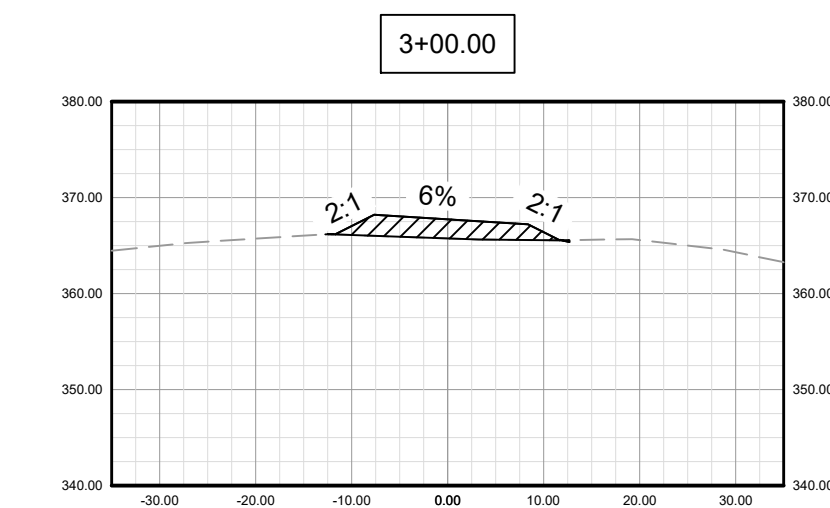
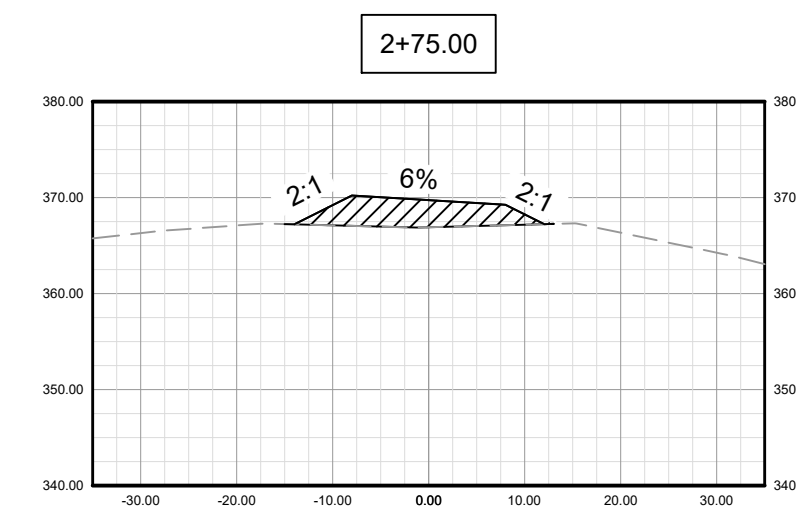
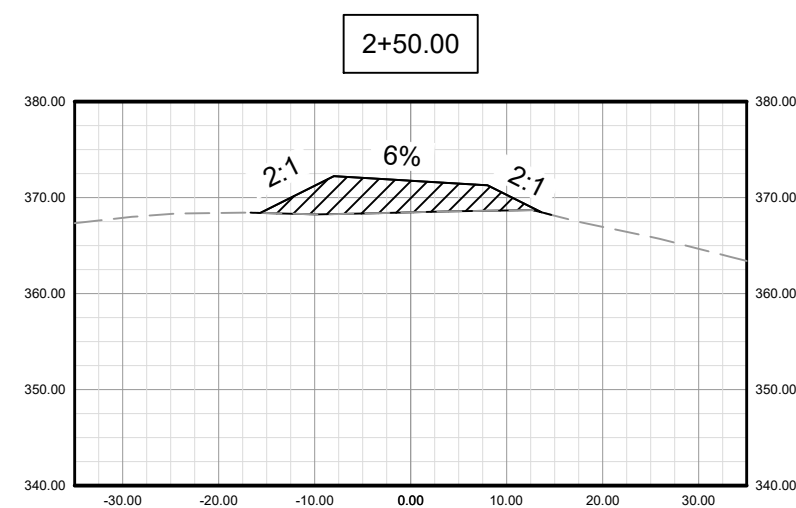
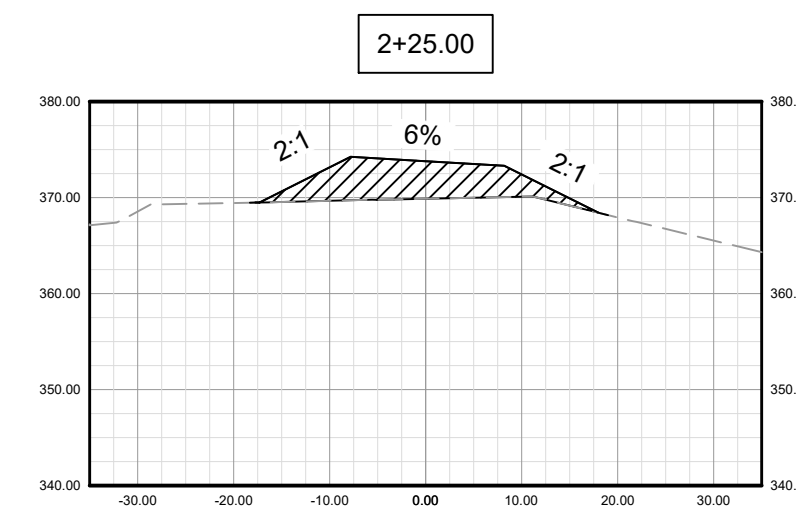
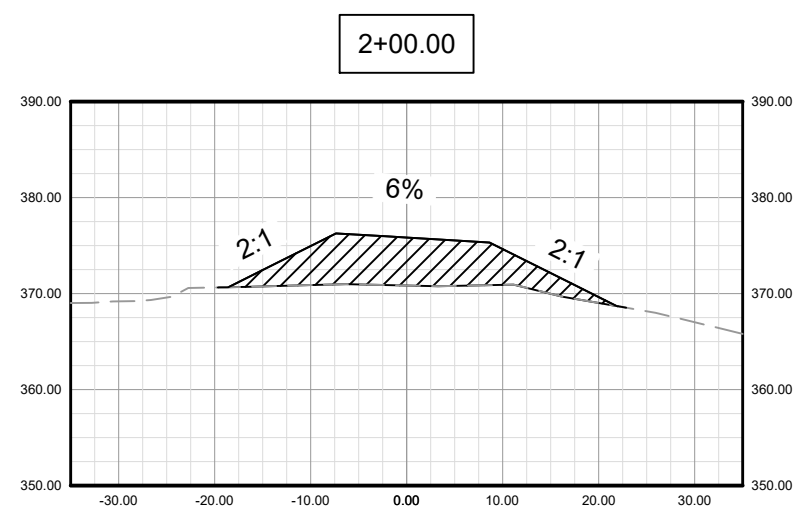
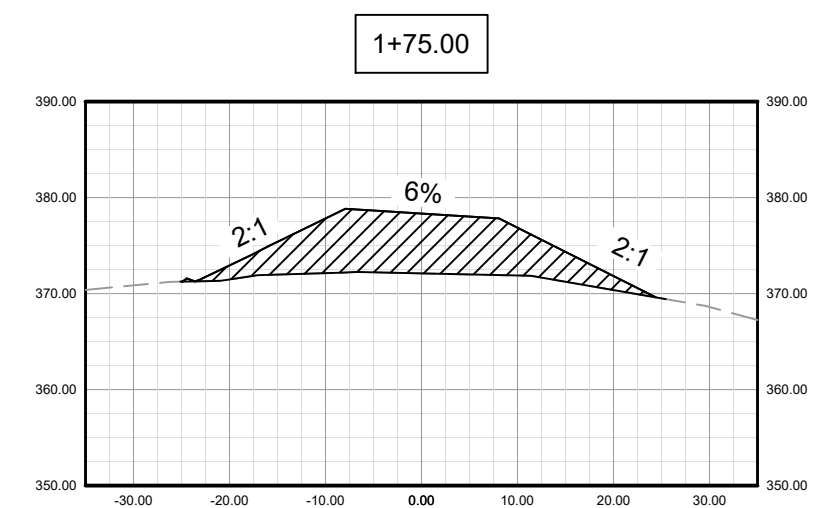
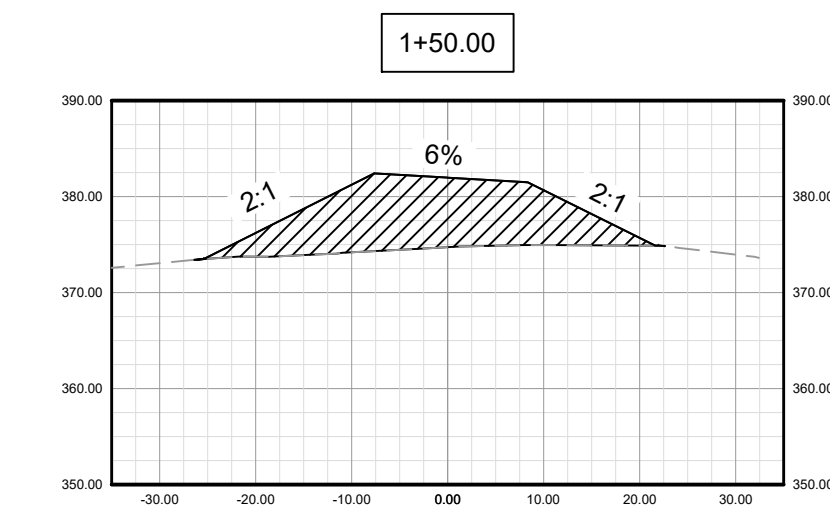
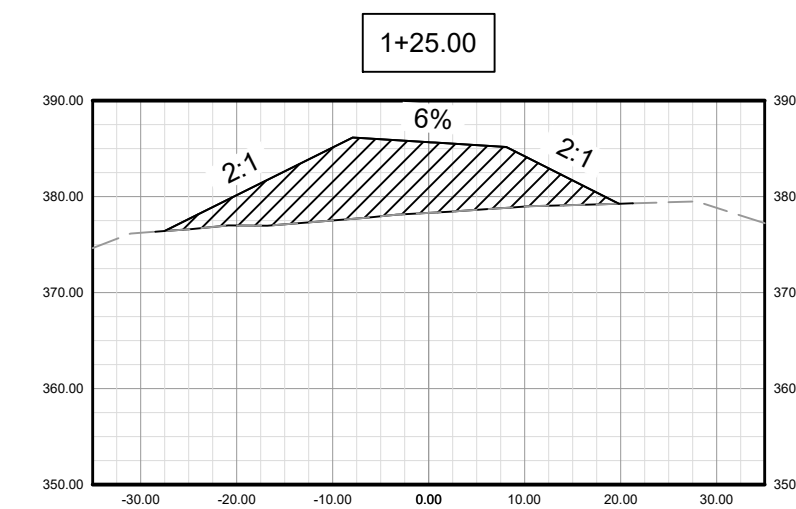
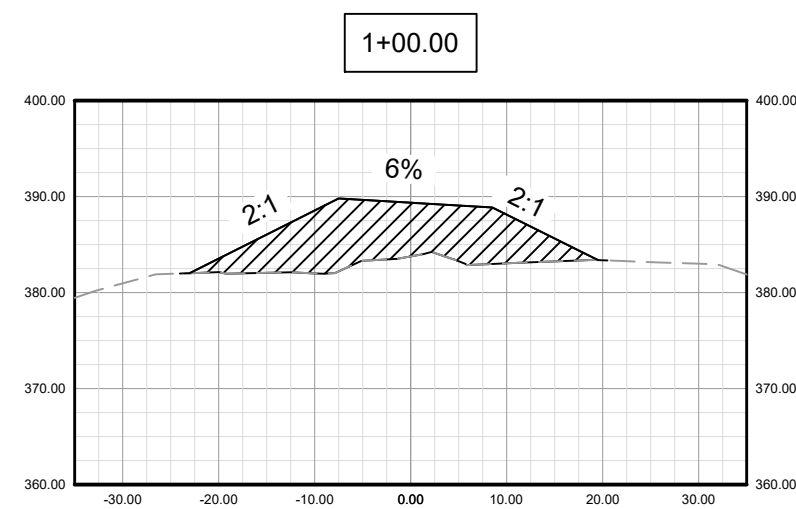
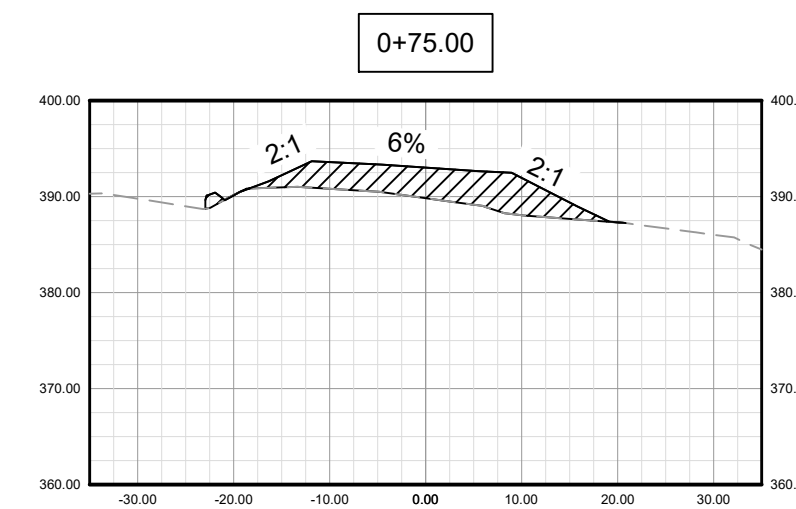
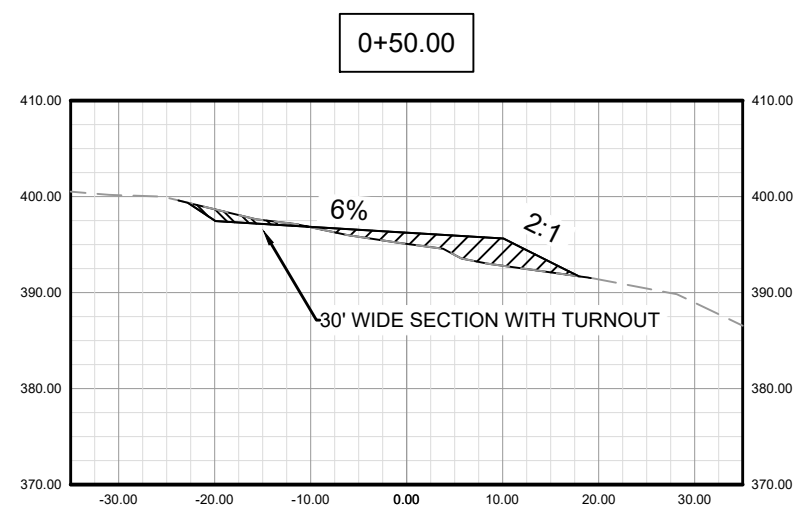
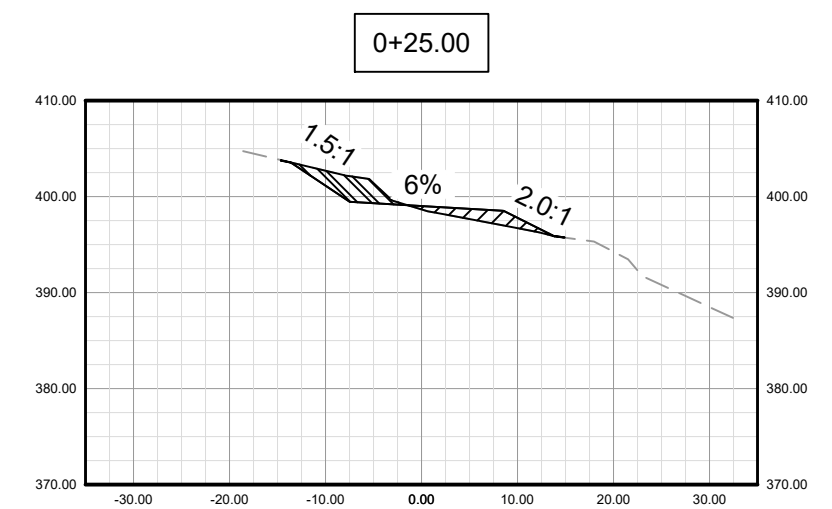
LEGEND



APPROVED: 05/05/2023

DATE: 05/05/2023

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



SECTION NOTES:
ALL CROSS SECTIONS LOOKING DOWNHILL.
HORIZONTAL SCALE = 1" = 20'
VERTICAL SCALE = 1" = 20'

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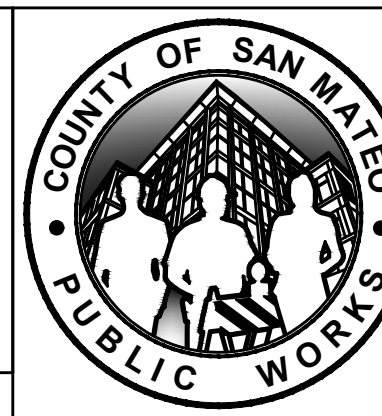
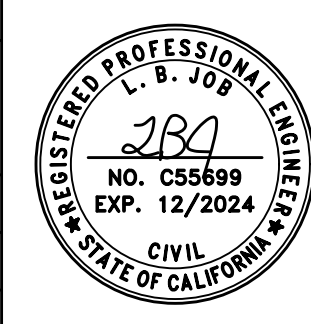
APPROVED DATE: 2/10/2023

284

ENGINEERING CONSULTANT

PACIFIC WATERSHED ASSOCIATES

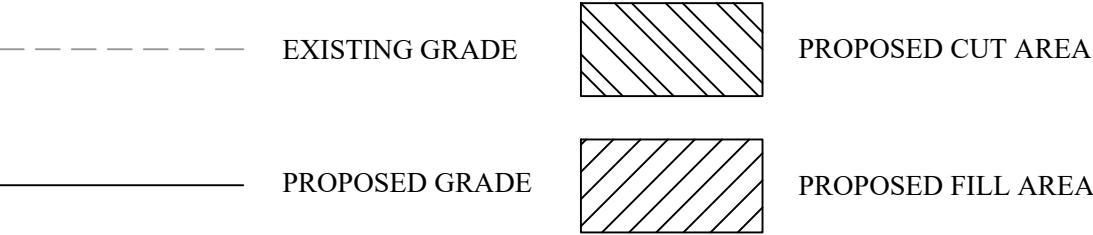
R.C.E. # 55699 / EXPIRES 12-31-2024



		DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT		SCALE: SEE NOTES
		CHECKED BY: LBJ	CONSTRUCTION SECTIONS 1		DATE: 1/17/2023
		DRAWN BY: BTK/JPS			FILE NO.: 1/E5053
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO			555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE				
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			C-9 SHEET 10 OF 16

FILENAME: P:\CA0\104151-QUARRY PARK FIRE ROAD\104151_ QUARRY_PARK_100PERCENT.DWG (CONSTRUCTION SECTIONS)

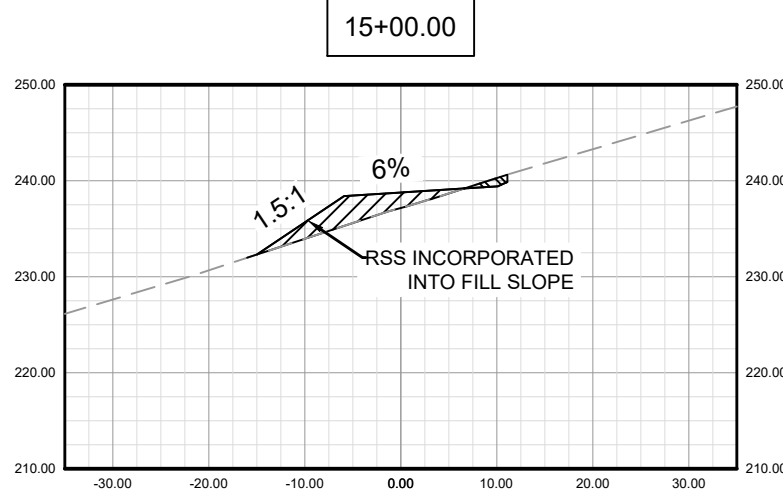
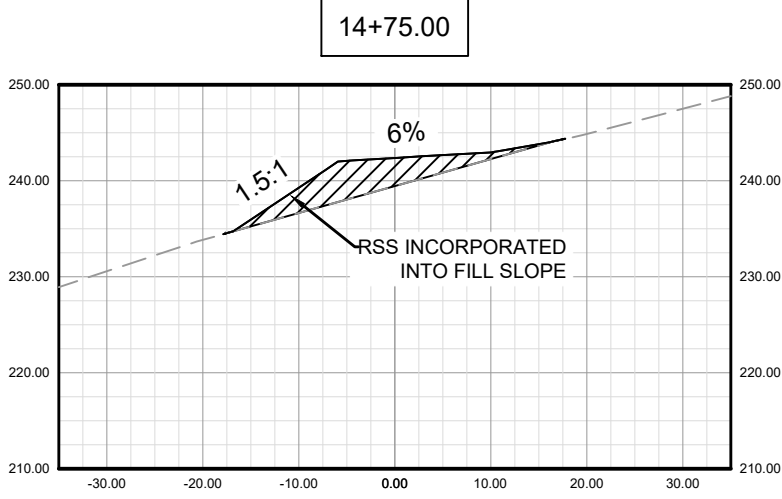
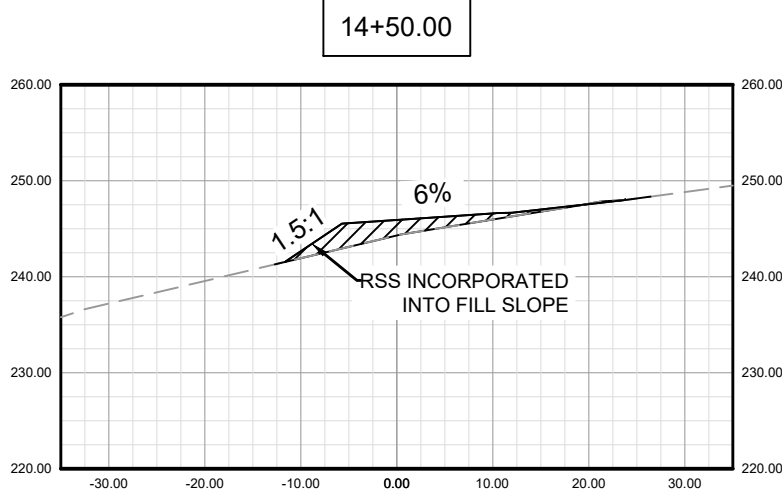
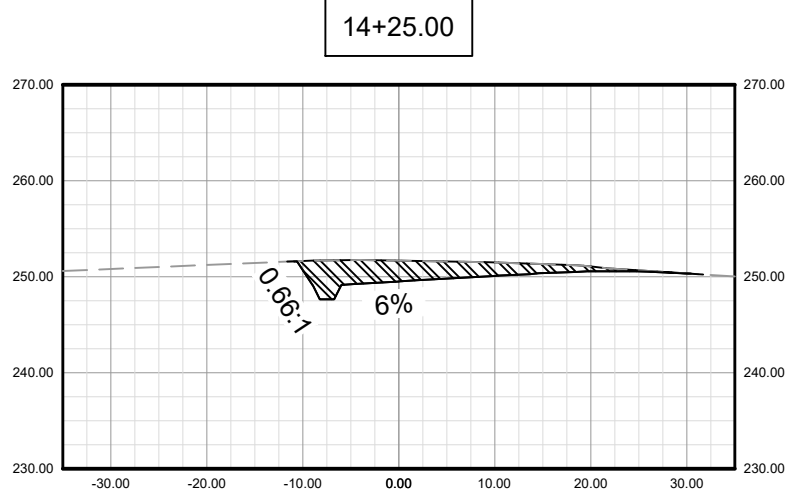
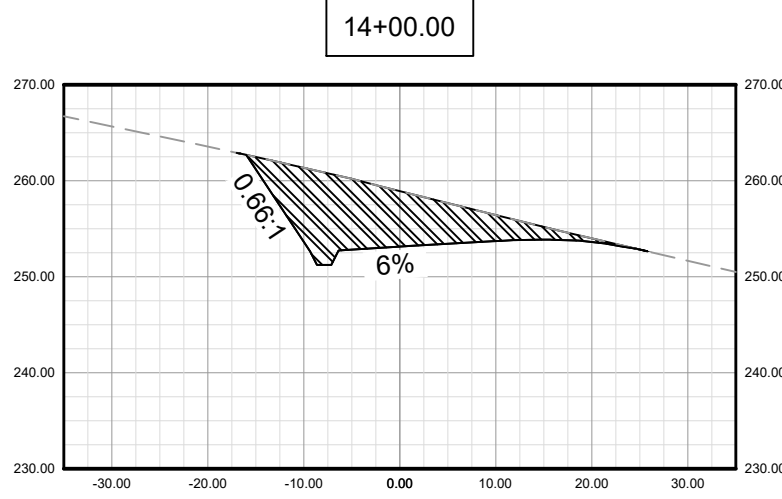
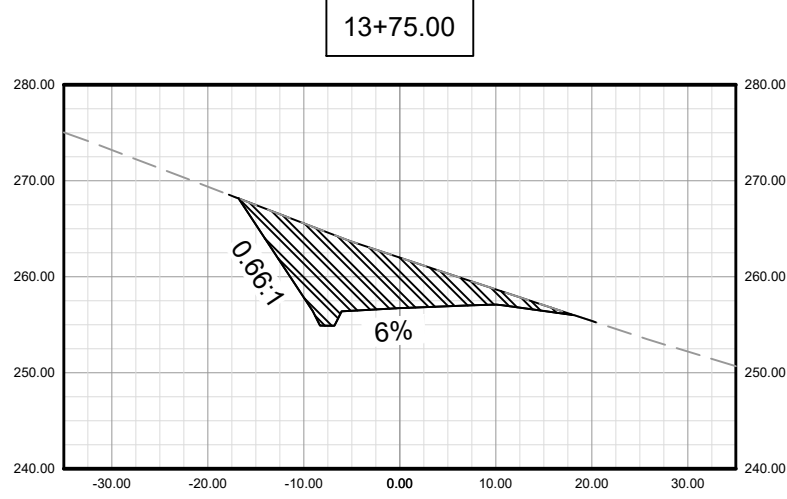
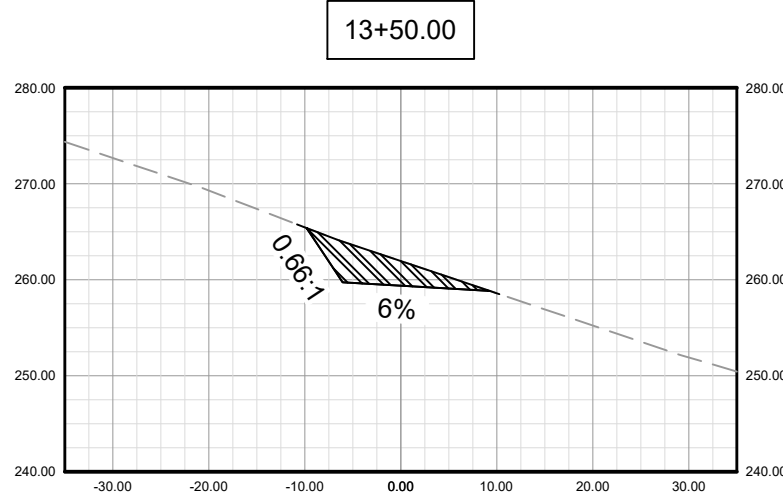
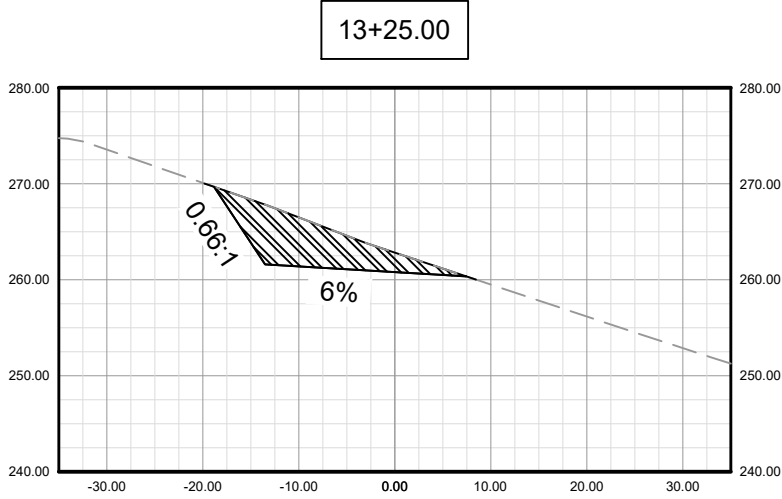
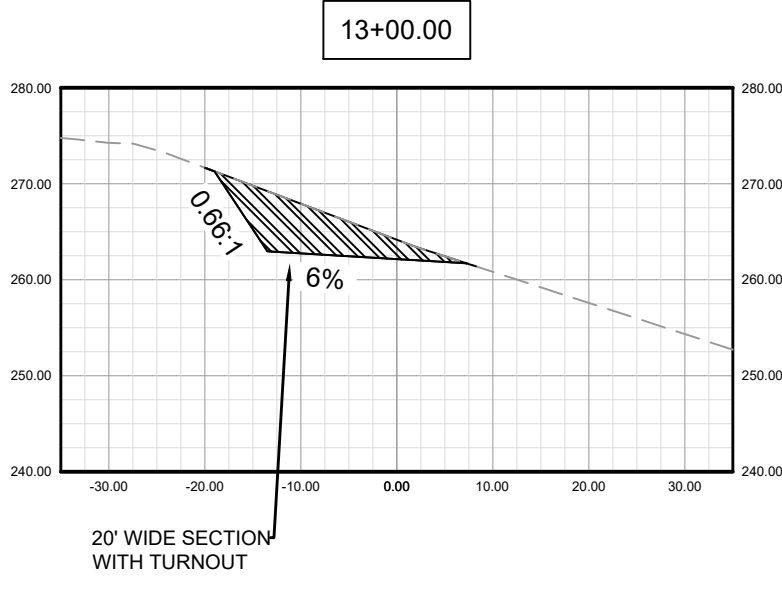
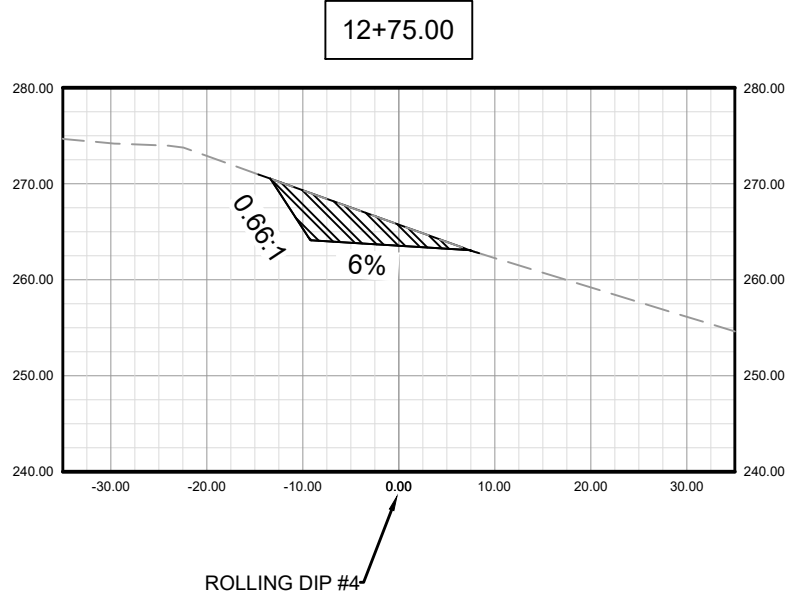
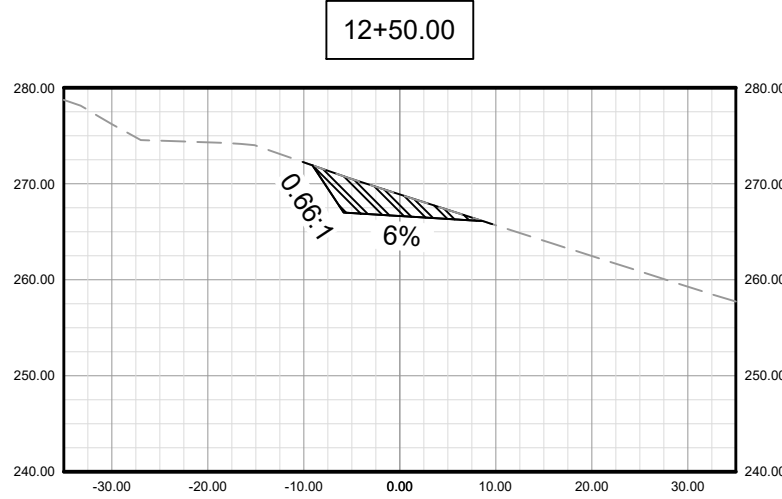
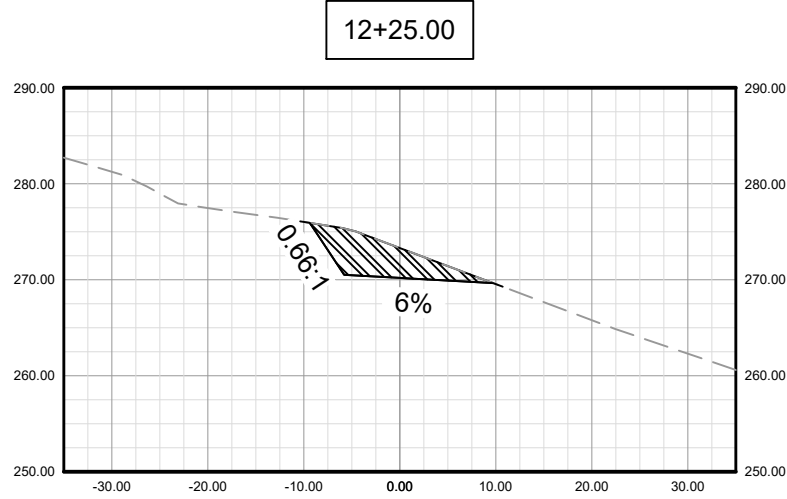
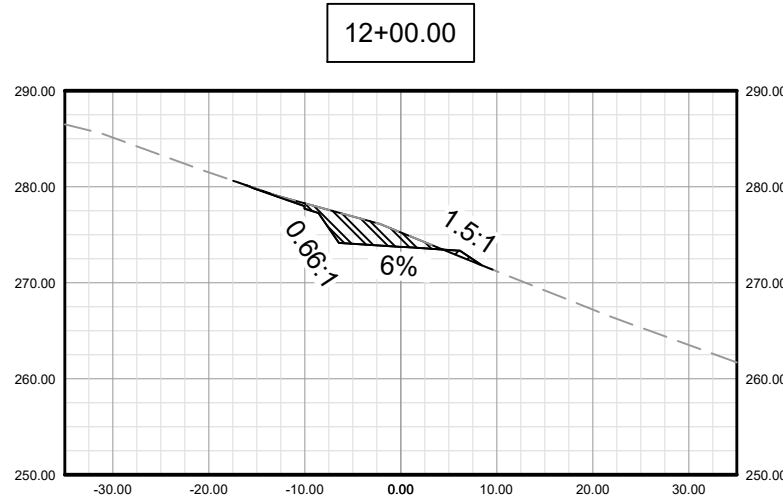
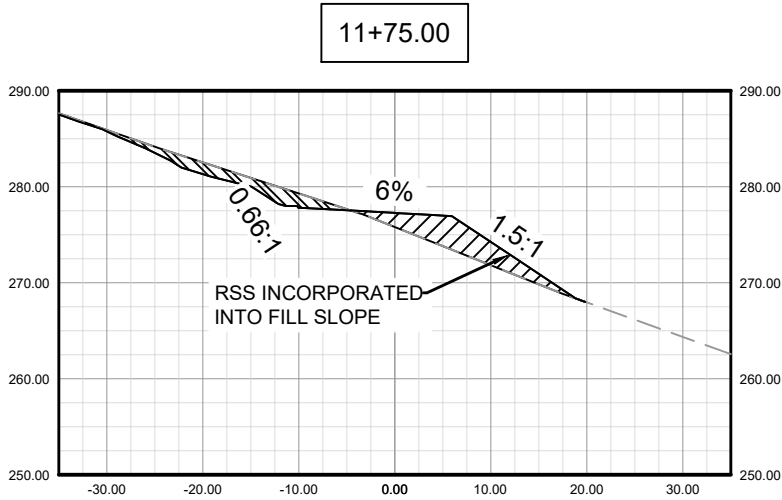
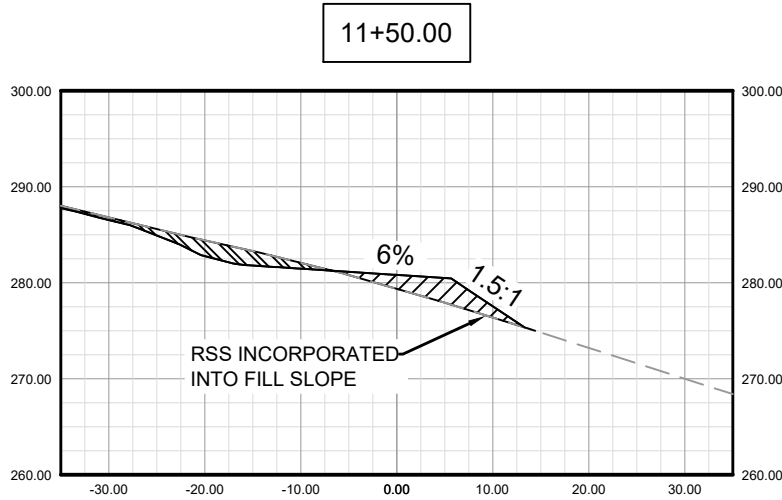
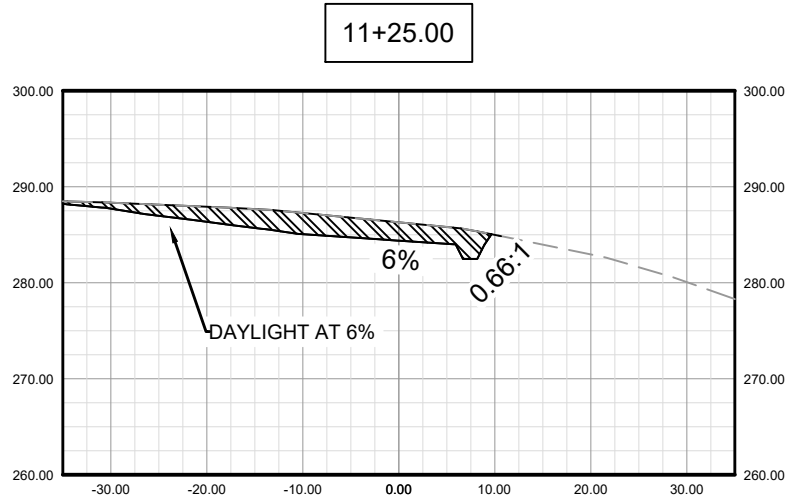
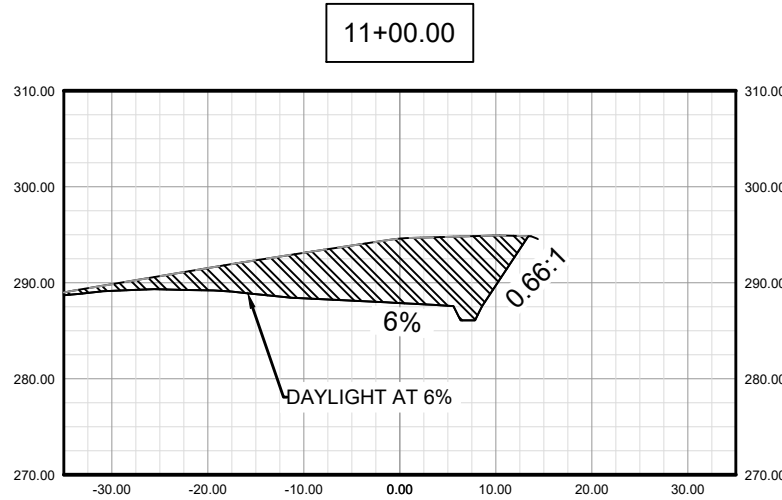
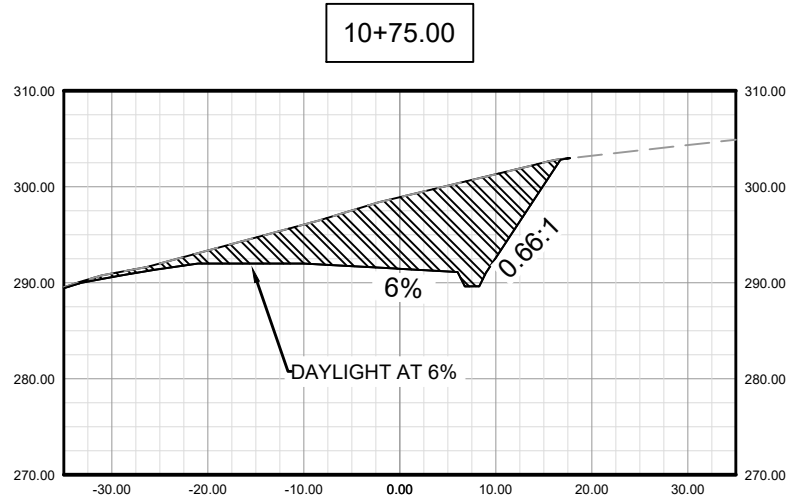
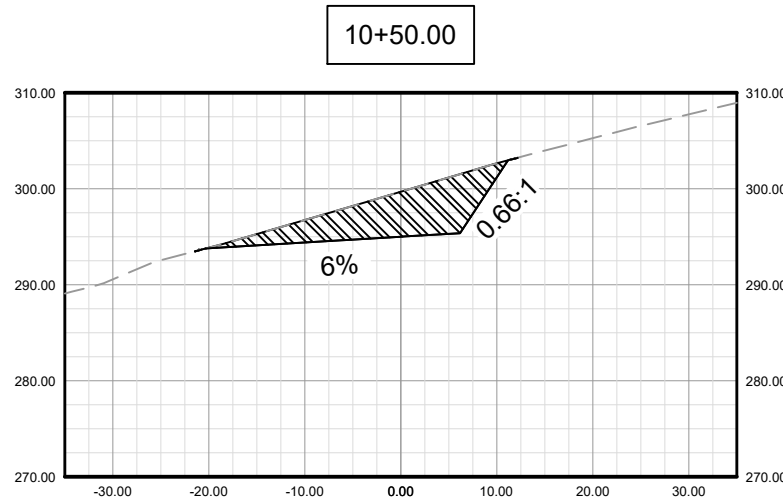
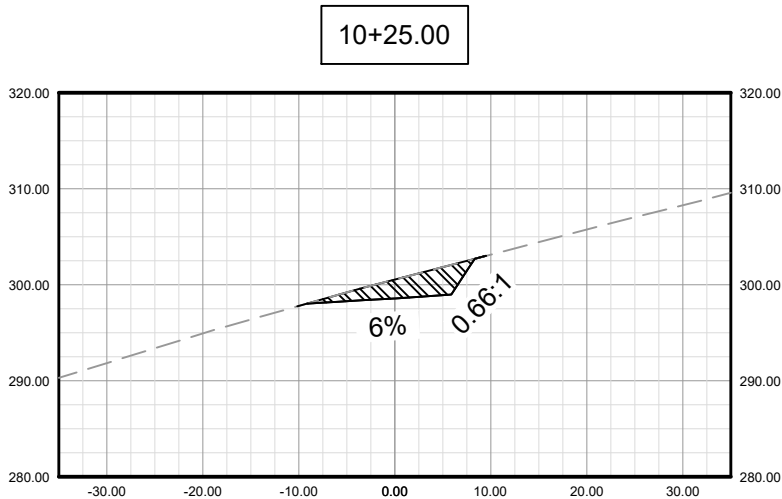
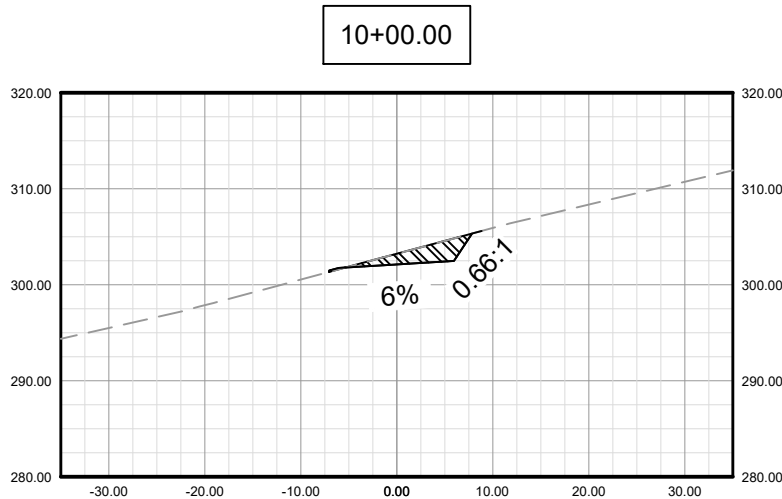
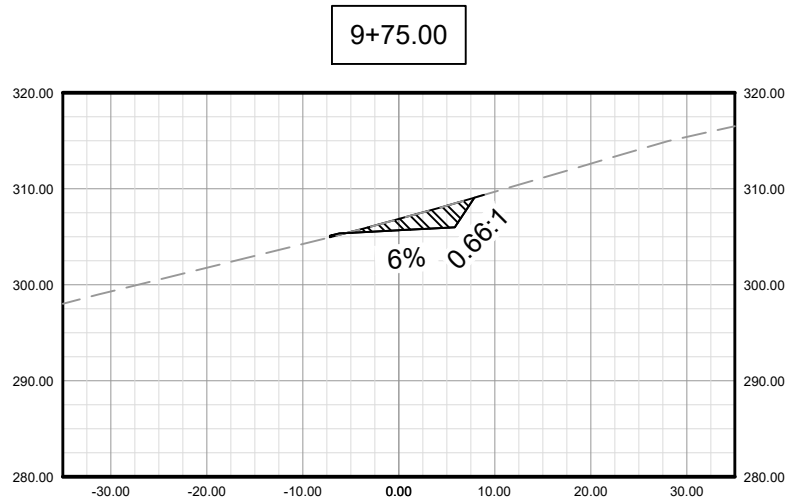
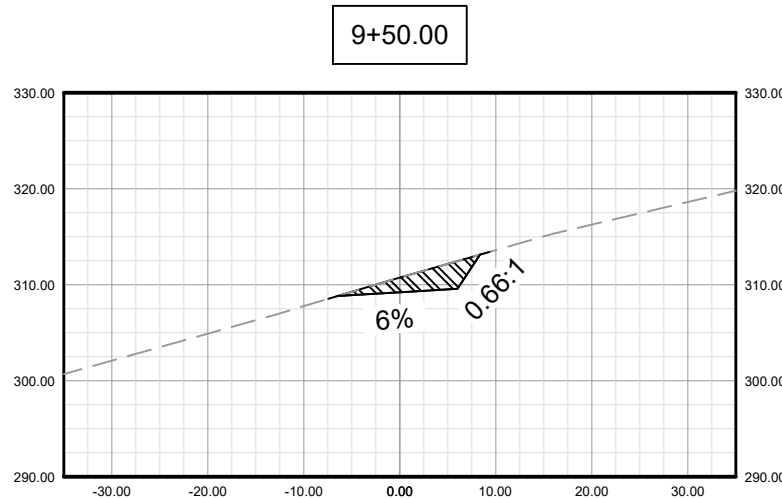
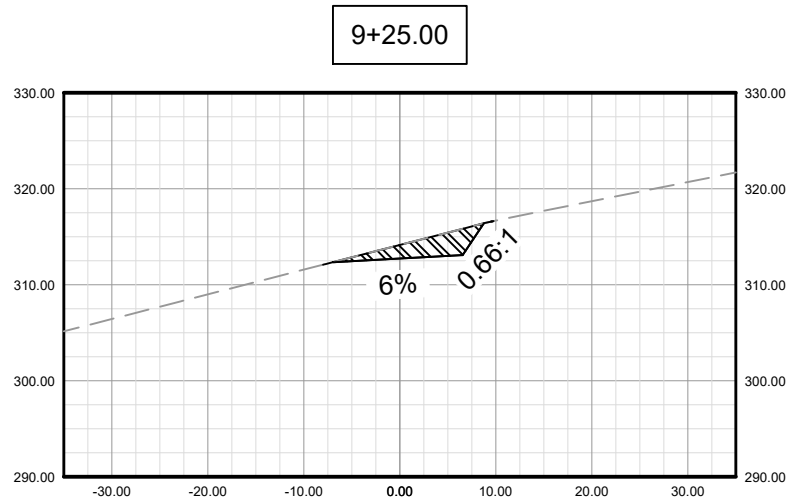
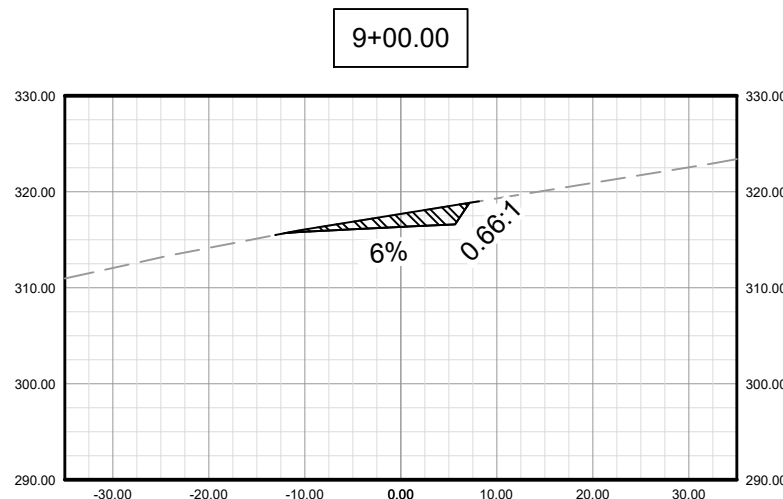
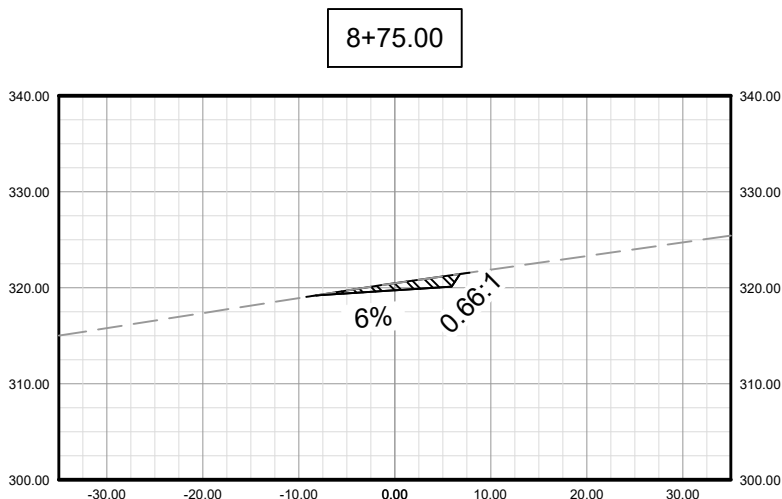
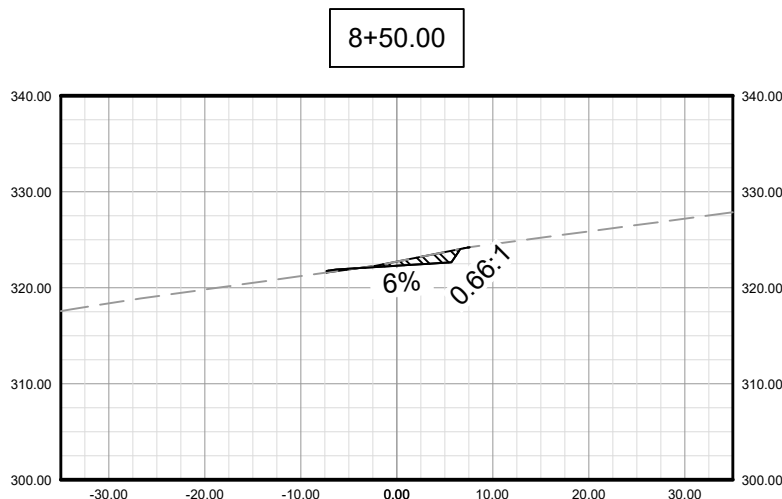
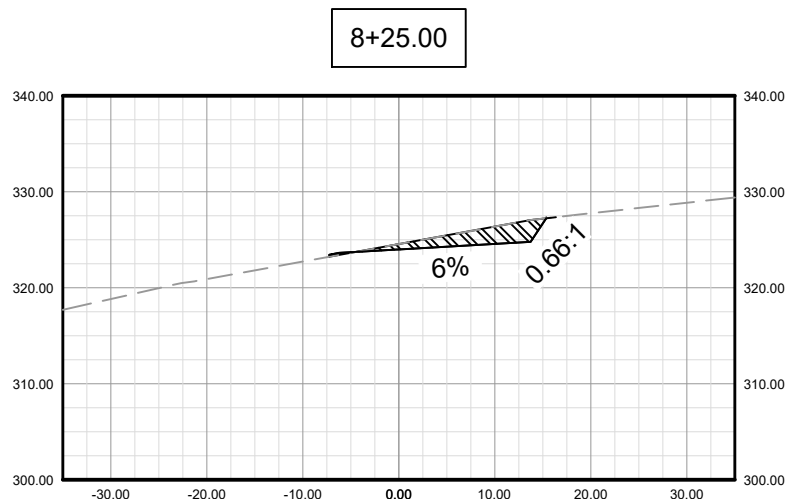
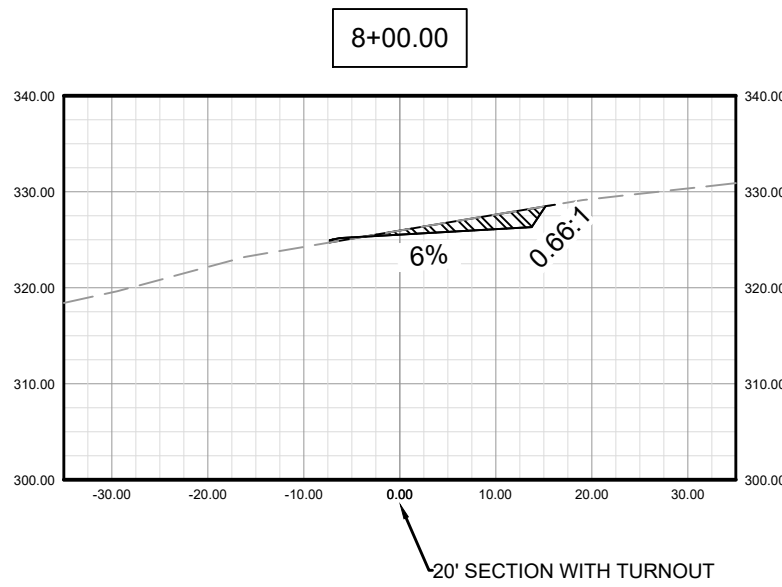
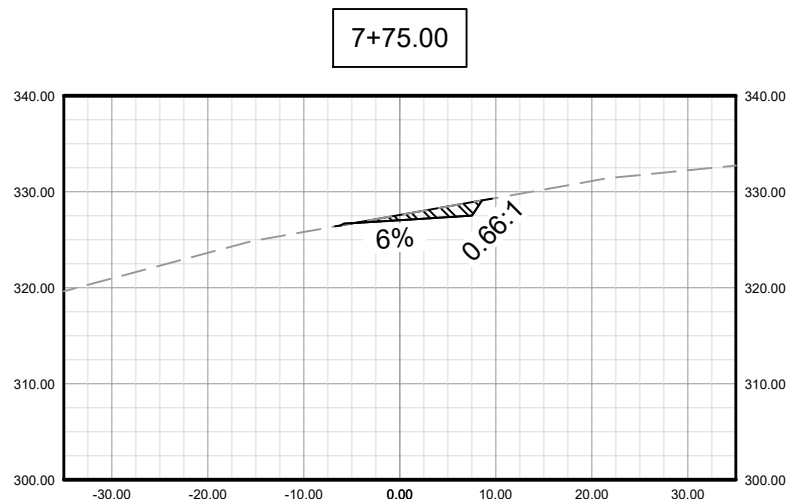
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APPROVED:

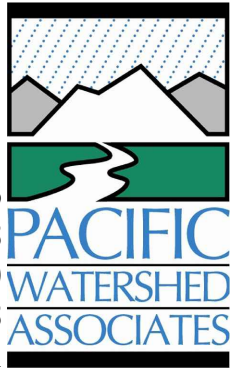
DATE: 05/05/2023

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



SECTION NOTES:
ALL CROSS SECTIONS LOOKING DOWNHILL.
HORIZONTAL SCALE = 1" = 20'
VERTICAL SCALE = 1" = 20'

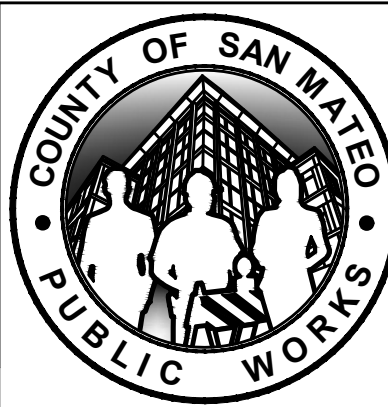
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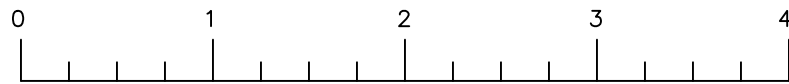
APPROVED DATE: 2/10/2023

284

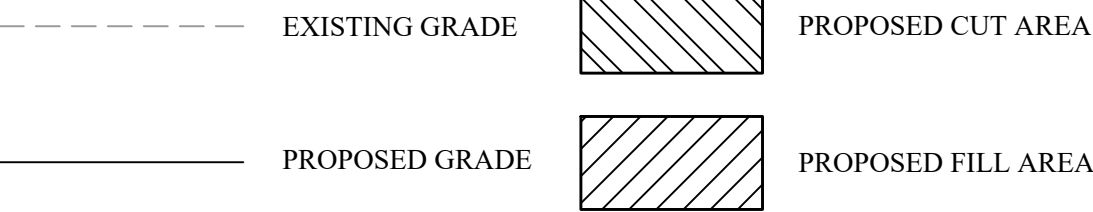
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PACIFIC WATERSHED ASSOCIATES
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		DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT		SCALE: SEE NOTES
		CHECKED BY: LBJ	CONSTRUCTION SECTIONS 2		DATE: 1/17/2023
		DRAWN BY: BTK/UPS			FILE NO.: 1/E5053
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			C-10 SHEET 11 OF 16



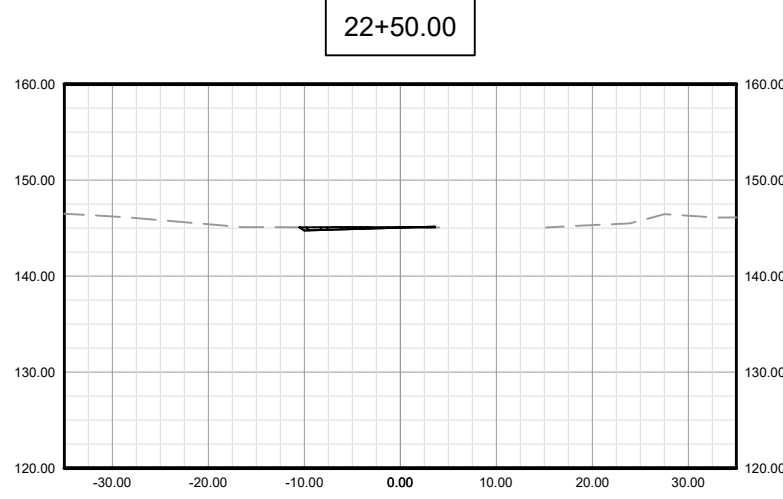
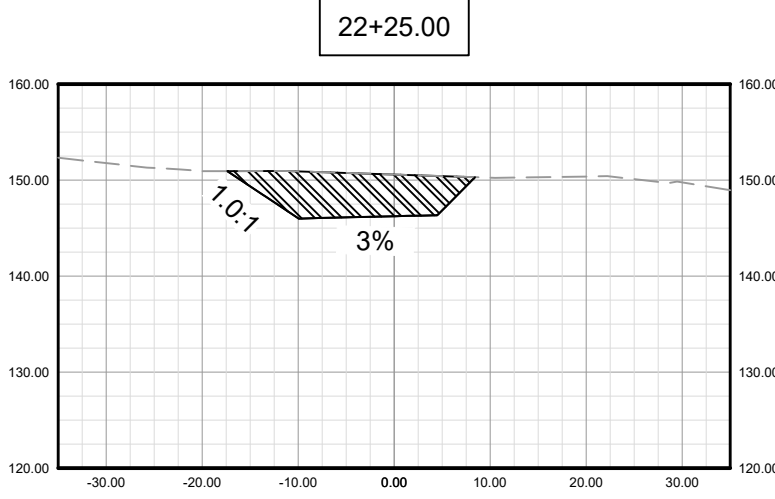
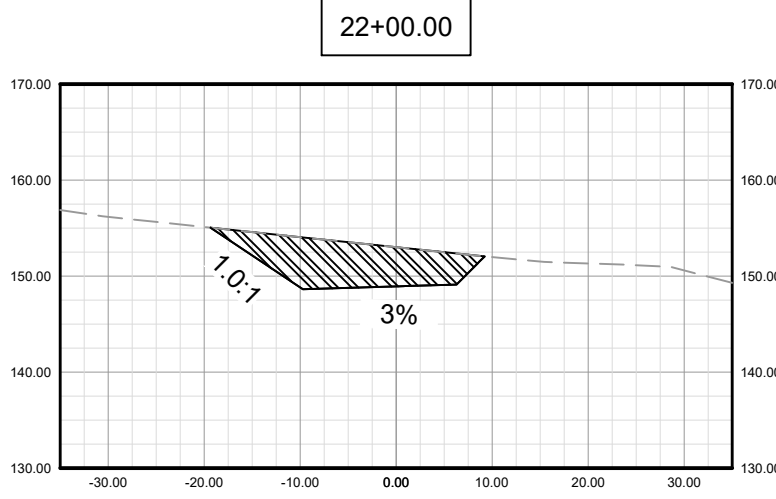
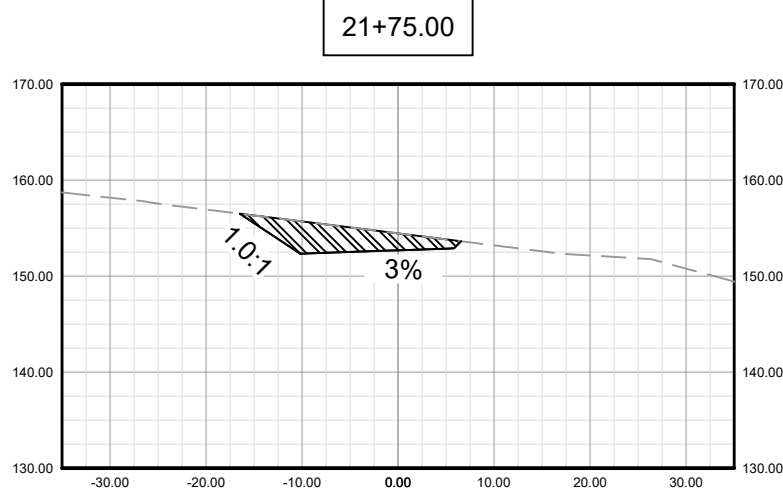
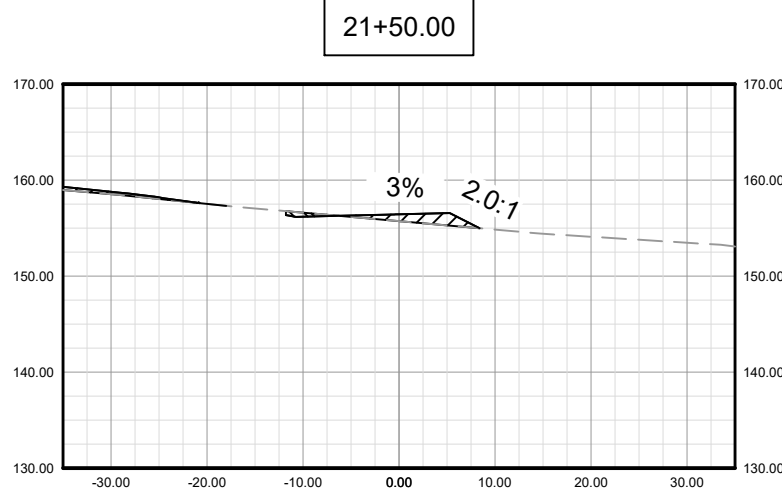
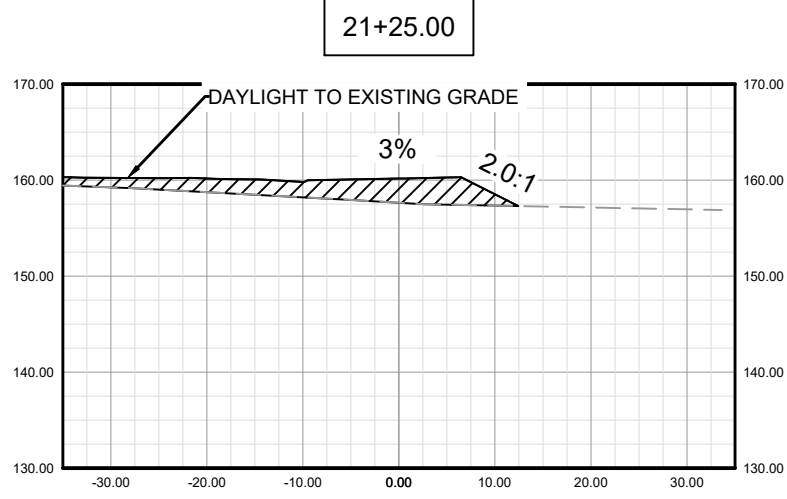
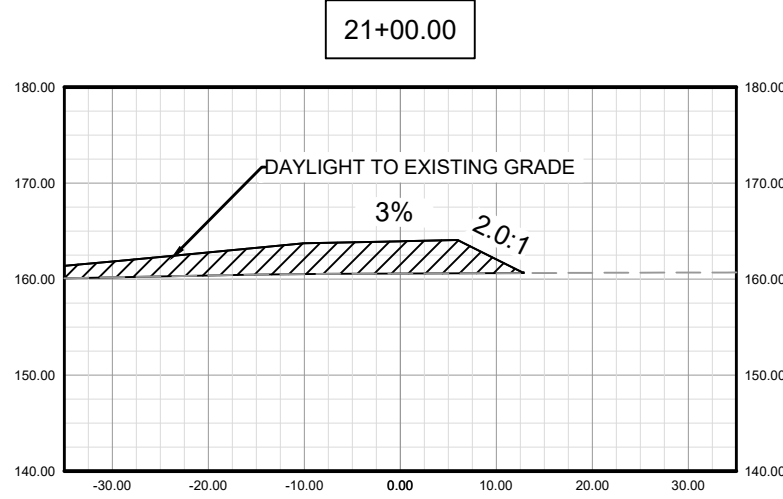
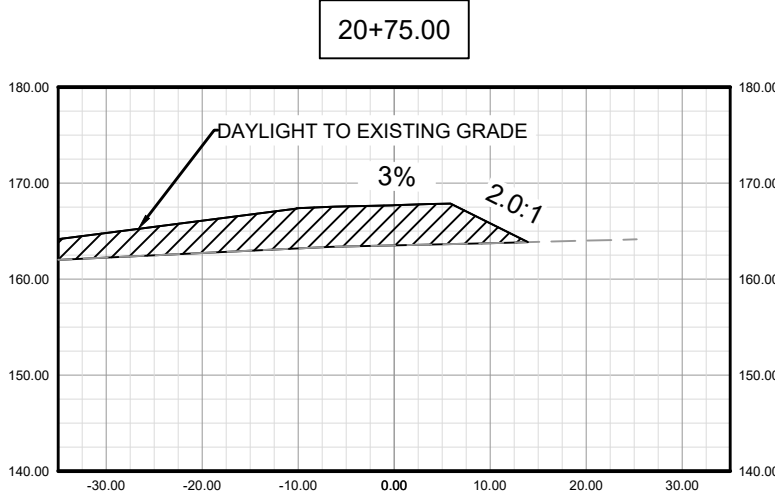
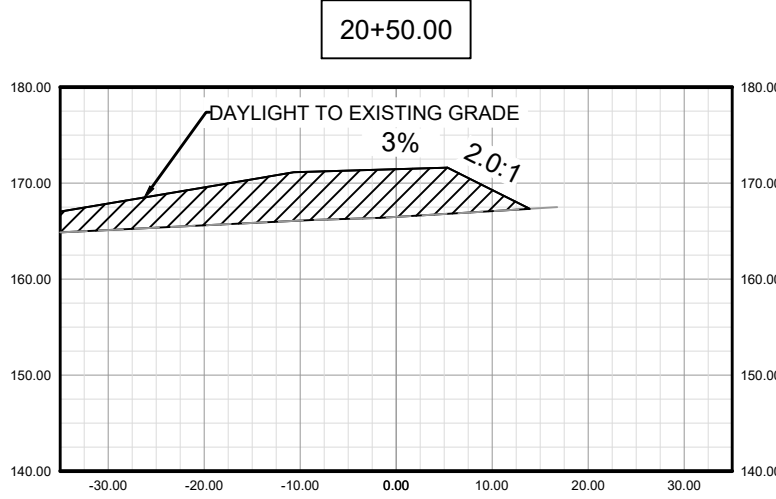
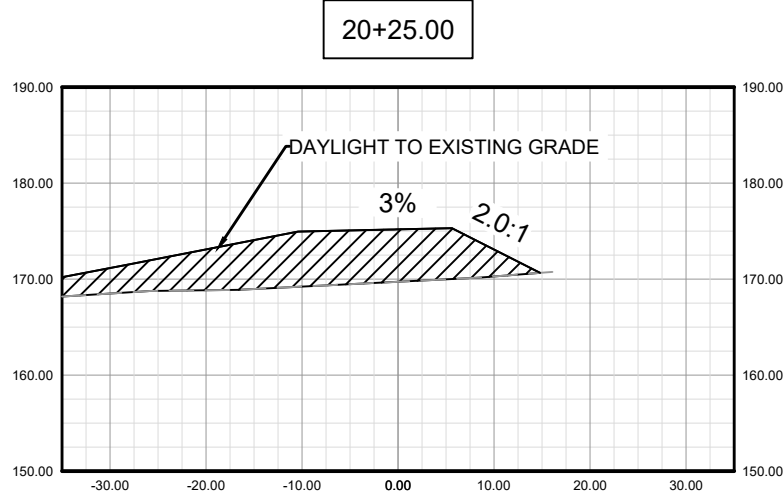
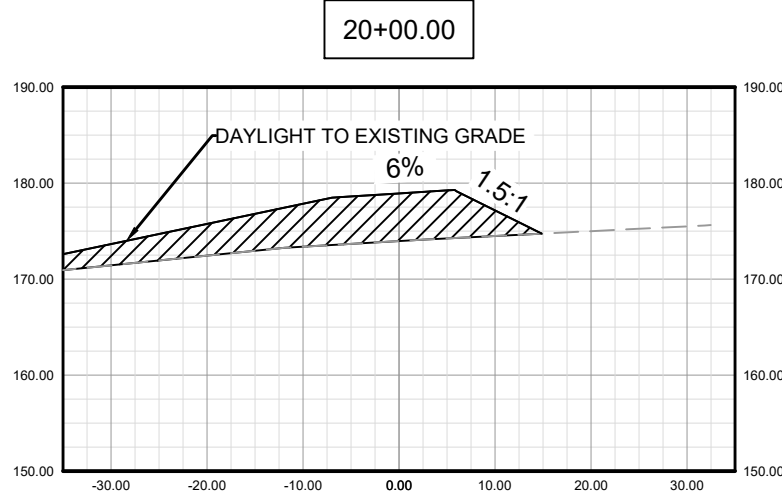
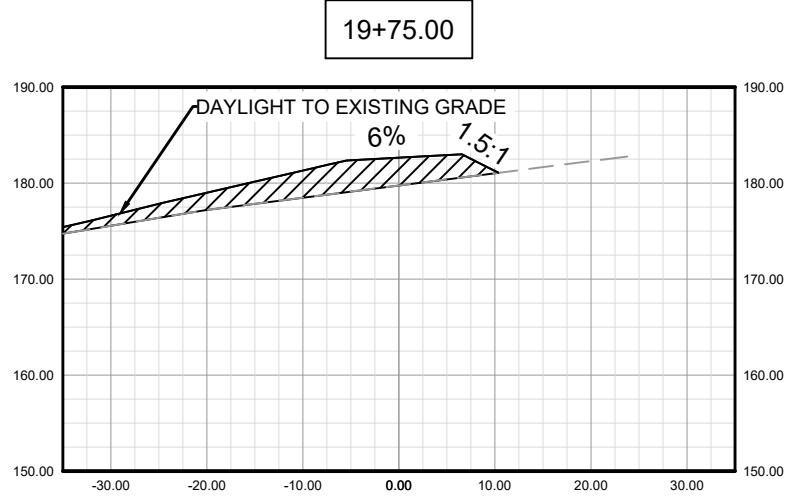
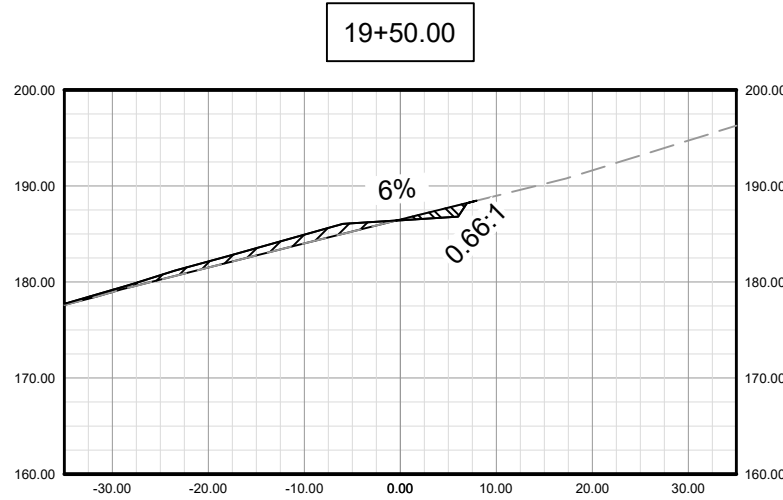
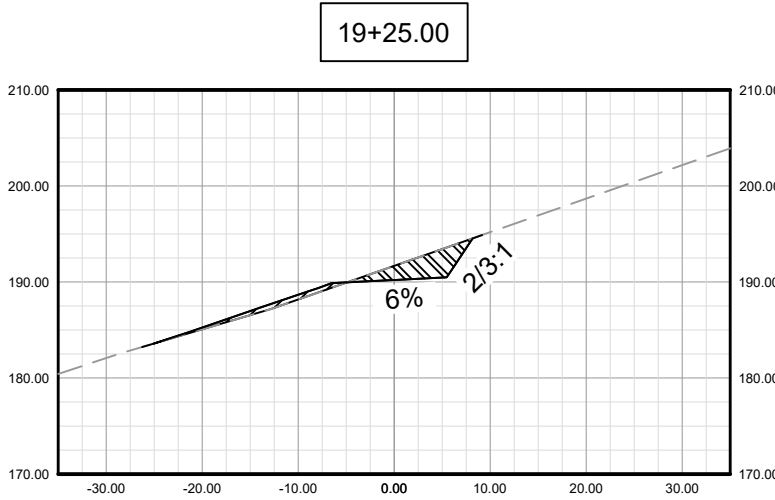
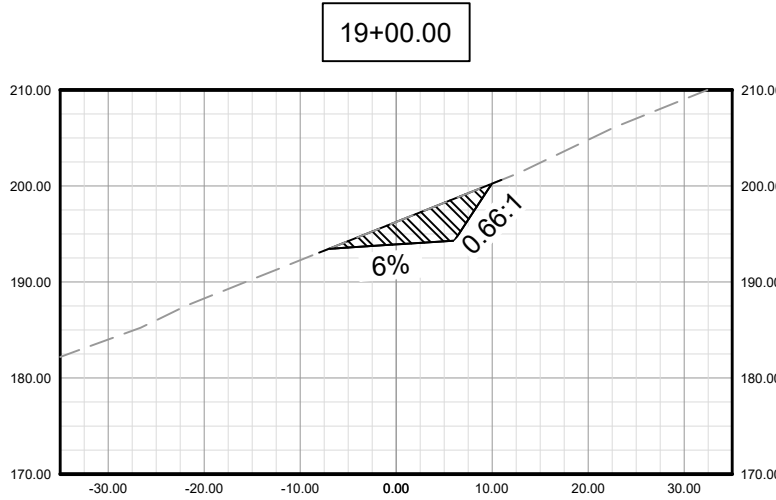
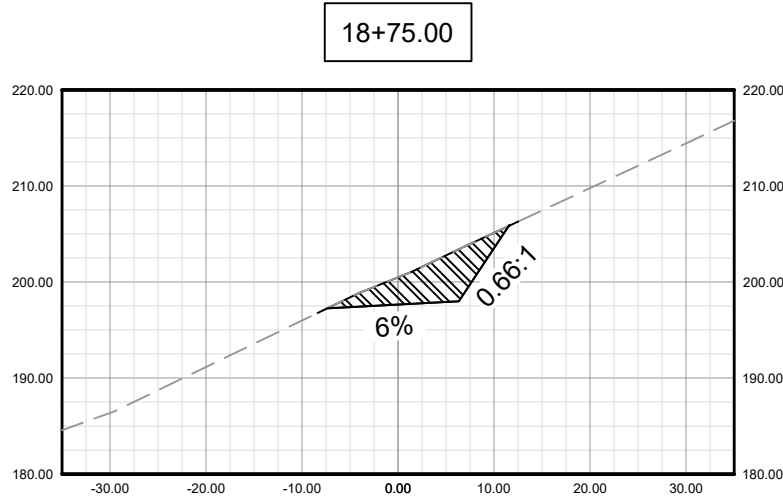
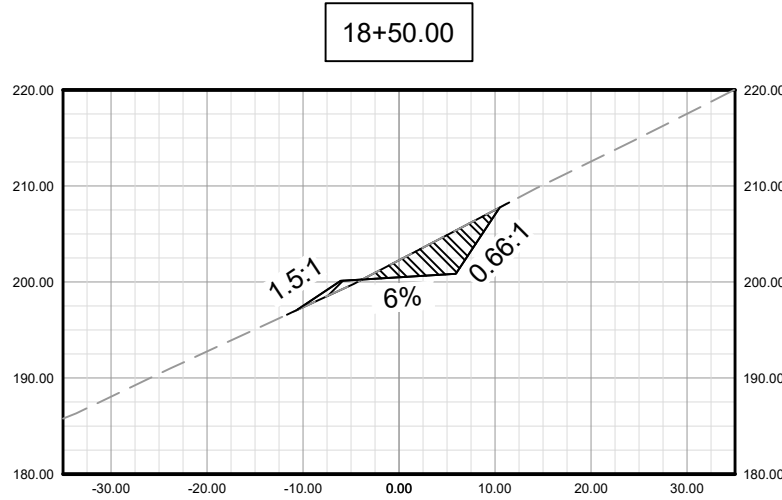
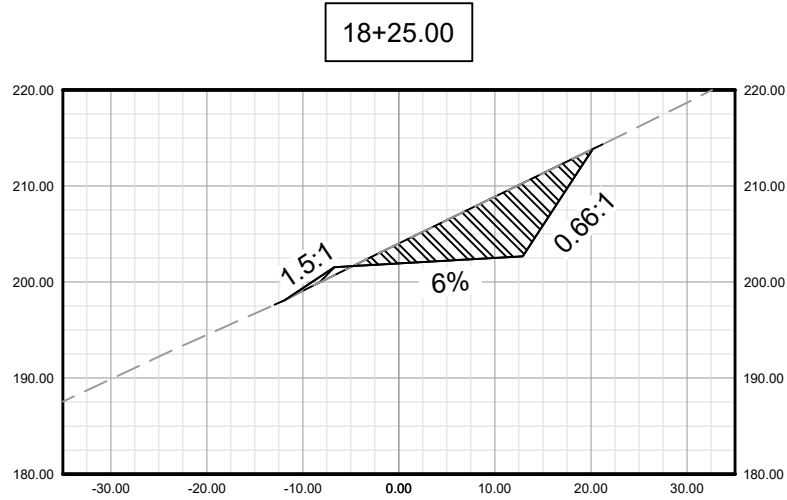
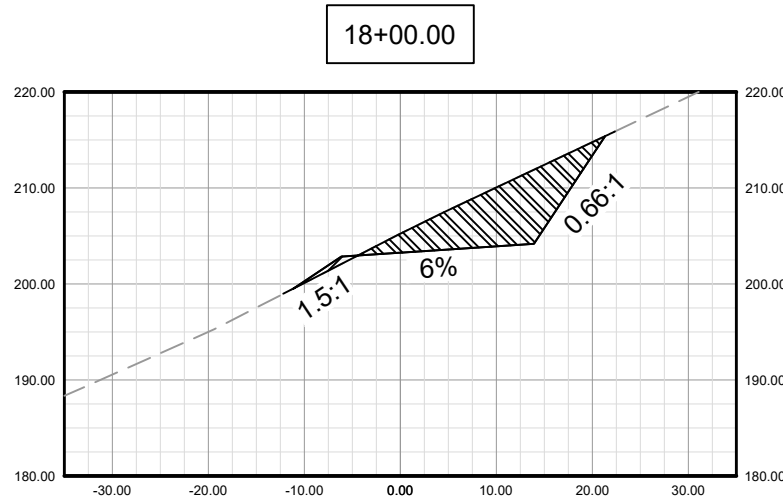
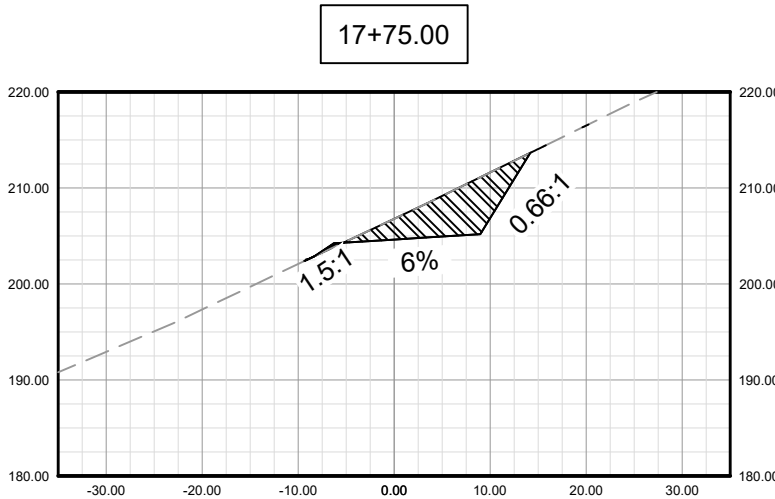
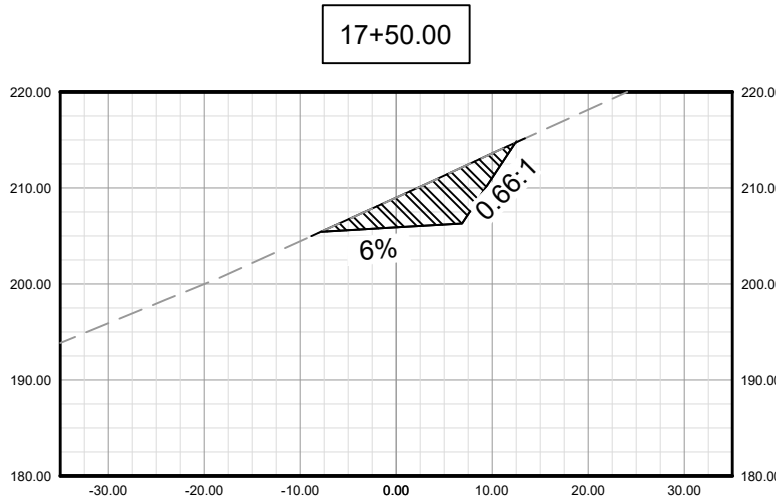
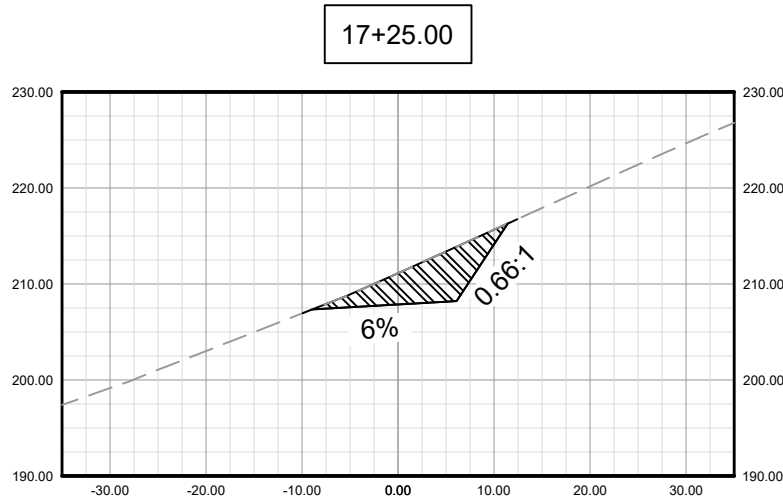
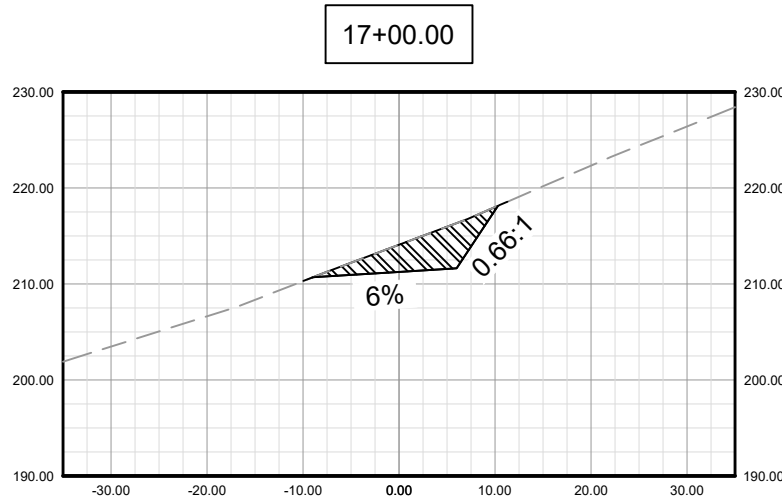
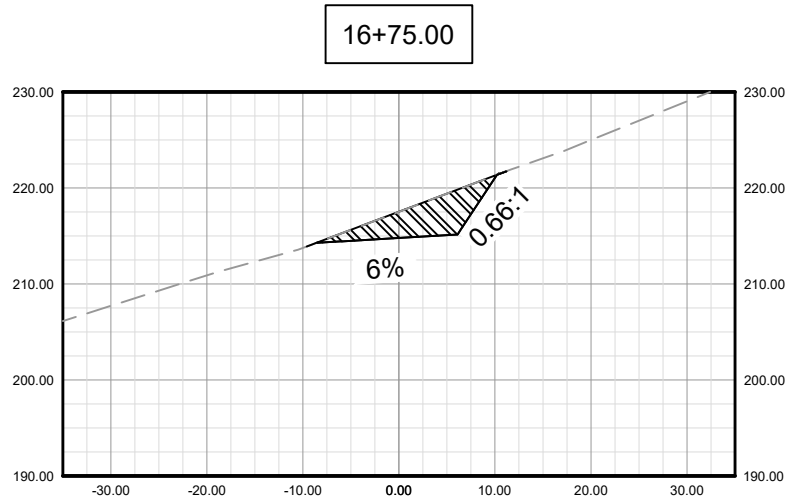
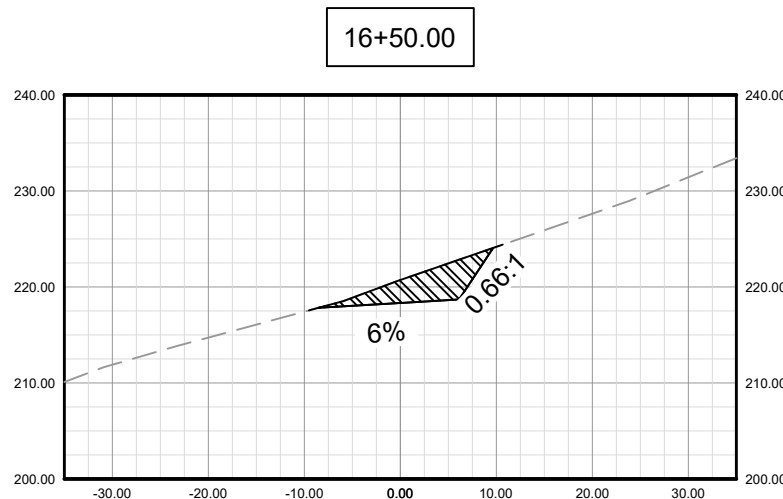
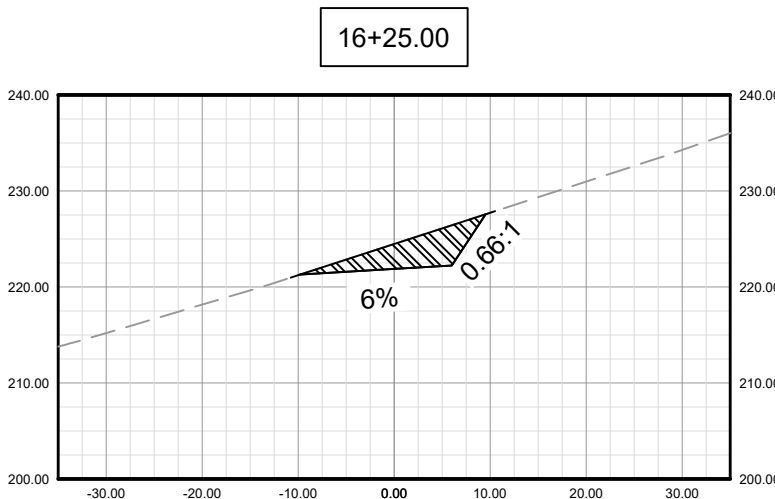
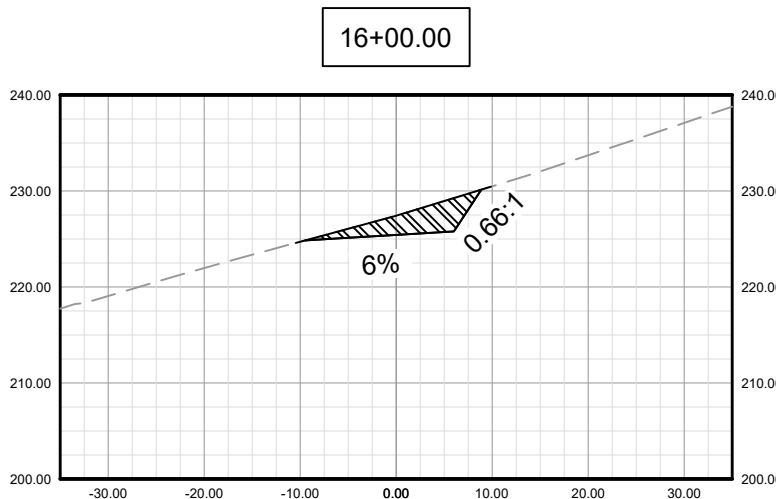
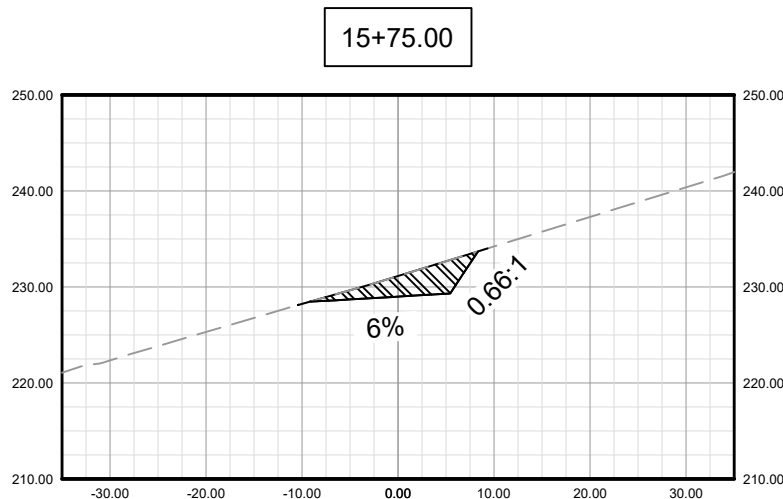
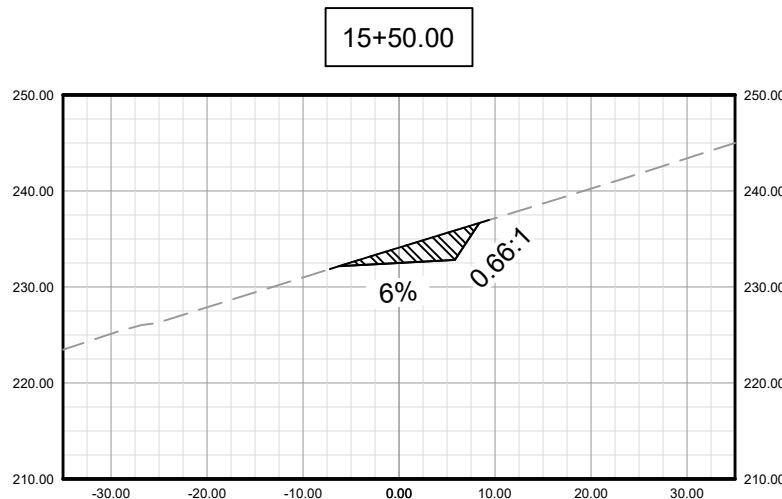
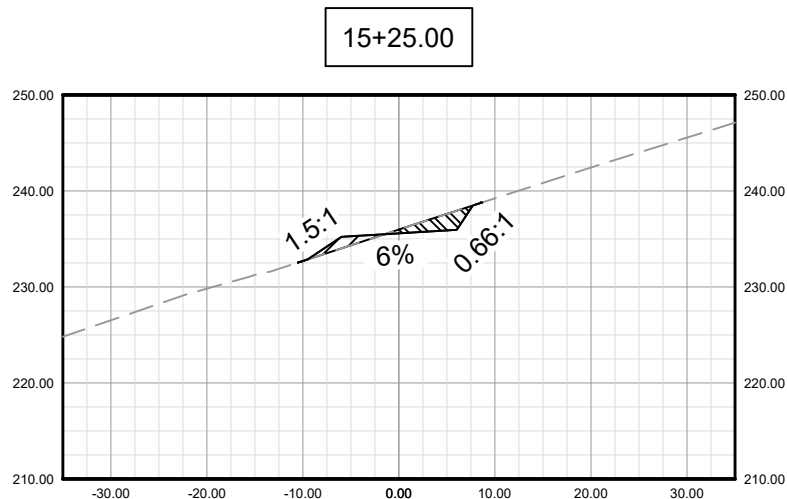
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APPROVED:

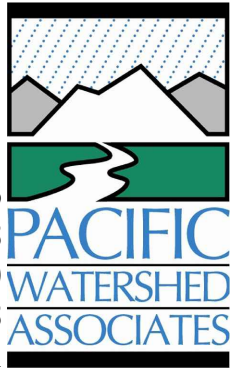
DATE: 05/05/2023

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



SECTION NOTES:
ALL CROSS SECTIONS LOOKING DOWNHILL.
HORIZONTAL SCALE = 1" = 20'
VERTICAL SCALE = 1" = 20'

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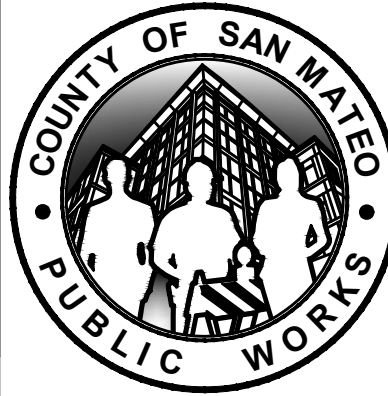
APPROVED DATE: 2/10/2023

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R.C.E. # 55699 / EXPIRES 12-31-2024

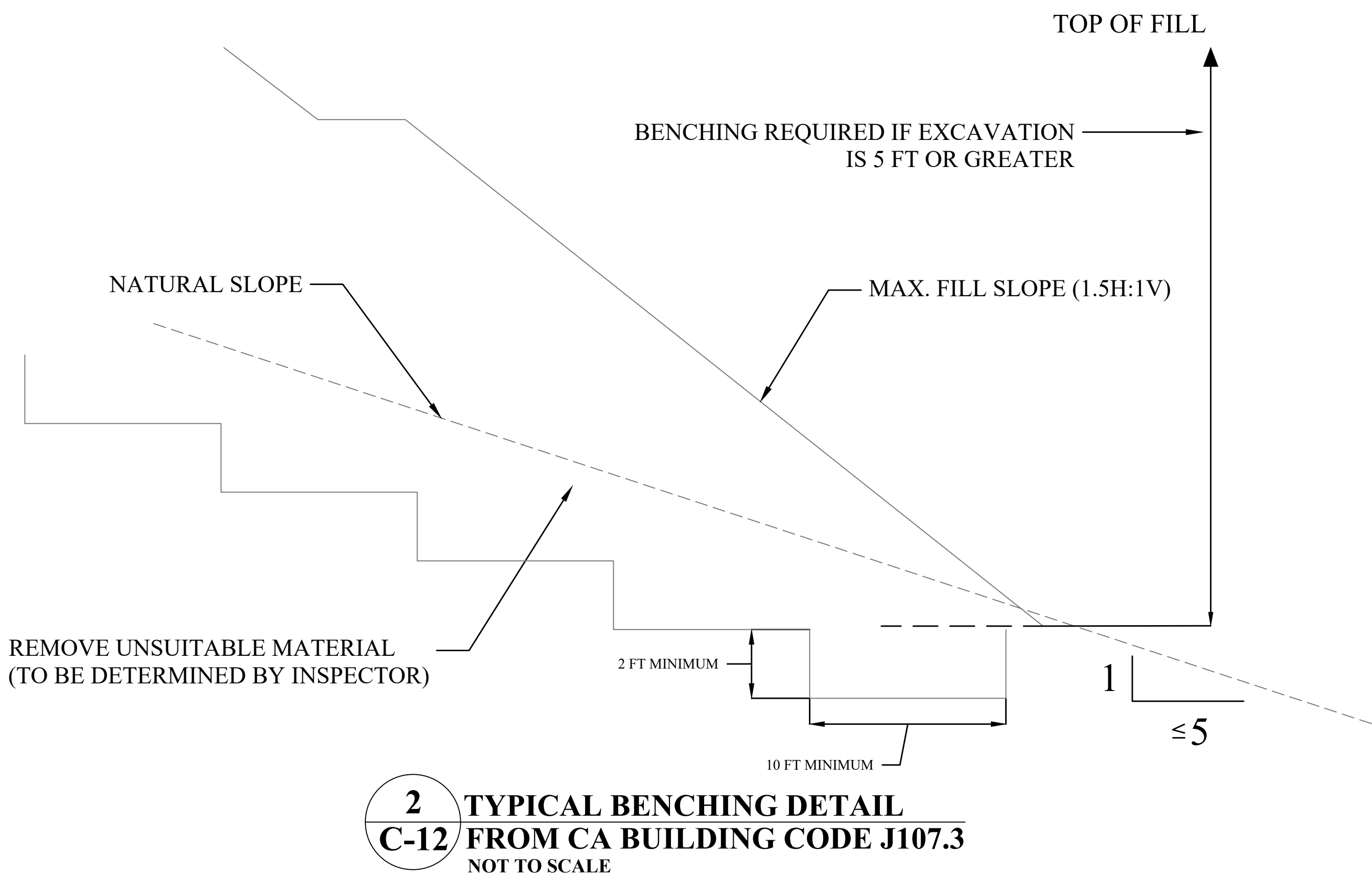
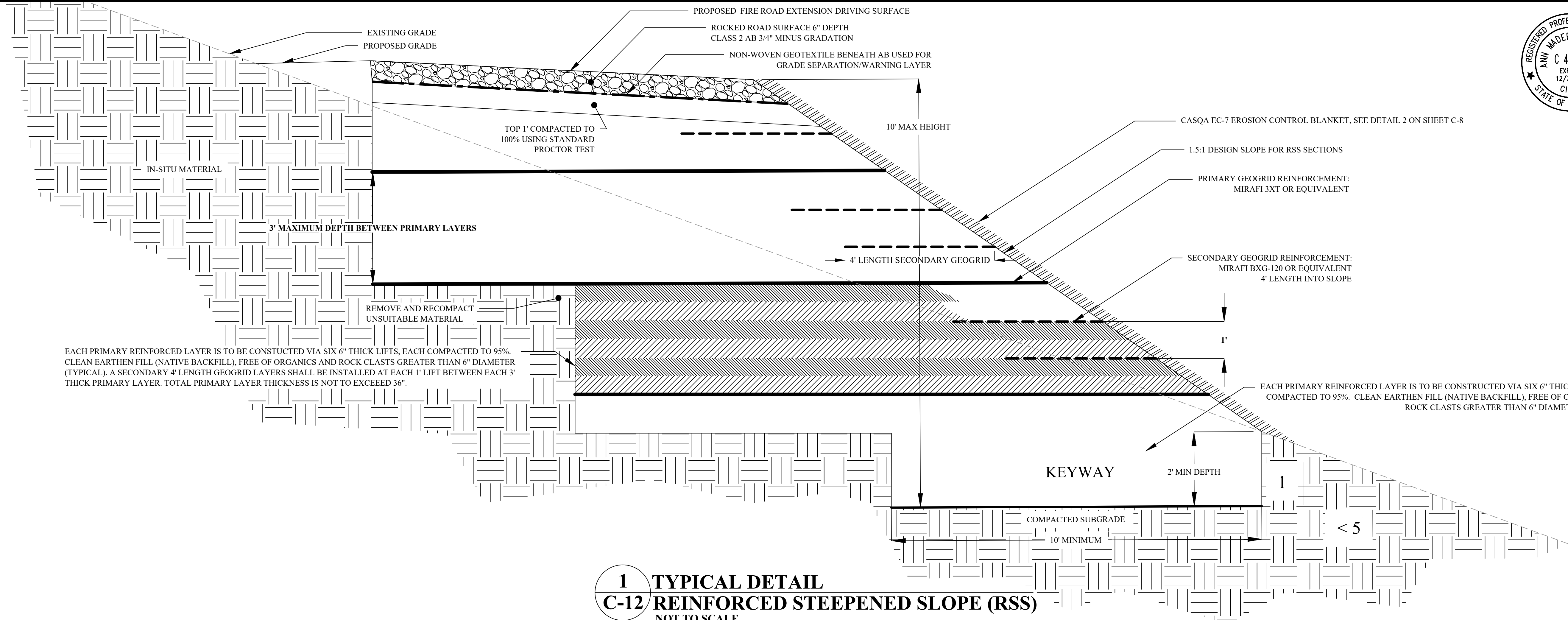


		DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT		SCALE: SEE NOTES
		CHECKED BY: LBJ	CONSTRUCTION SECTIONS 3		DATE: 1/17/2023
		DRAWN BY: BTK/UPS			FILE NO.: 1/E5053
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE				C-11 SHEET 12 OF 16

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

0 1 2 3 4

FILENAME: P:\CA0\104151-QUARRY PARK FIRE ROAD\104151- QUARRY PARK_100PERCENT.DWG (CONSTRUCTION SECTIONS) (3)



LEGEND	
	EXISTING GRADE
	PROPOSED GRADE
	PRIMARY GEOGRID
	NON-WOVEN GEOTEXTILE
	SECONDARY GEOGRID
	CASQA EC-7 EROSION CONTROL BLANKET
	6" THICK LIFT OF COMPACTED BACKFILL
	6" THICK LIFT OF COMPACTED BACKFILL
	CLASS 2 AB, 3/4" MINUS GRADATION
	IN-SITU MATERIAL



APPROVED: 05/05/2023
DATE: 05/05/2023
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

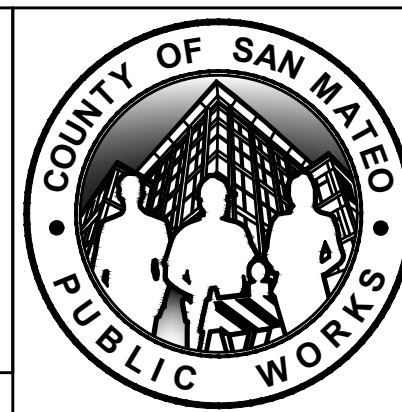
1 TYPICAL DETAIL
C-12 REINFORCED STEEPENED SLOPE (RSS)
NOT TO SCALE

2 TYPICAL BENCHING DETAIL
C-12 FROM CA BUILDING CODE J107.3
NOT TO SCALE

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APPROVED DATE: 2/10/2023
284
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PACIFIC WATERSHED ASSOCIATES
R.C.E. # 55699 / EXPIRES 12-31-2024



DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT	SCALE: NONE
CHECKED BY: LBJ	TYPICAL BENCHING AND RSS	DATE: 1/17/2023
DRAWN BY: BTK/UPS		FILE NO: 1/E5053
REVISION	DATE	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO
		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-12 SHEET 13 OF 16

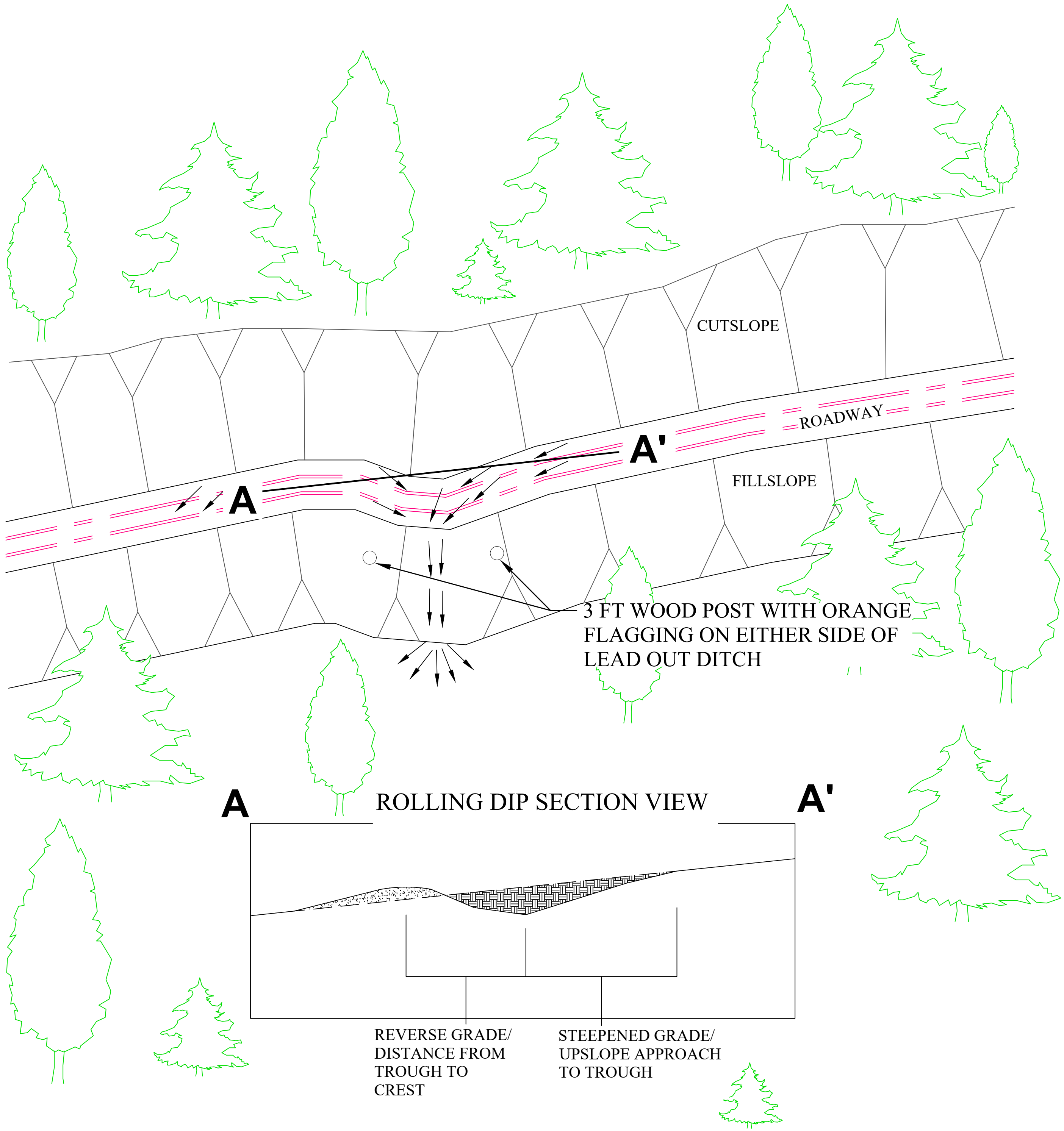
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ROLLING DIP INSTALLATION:

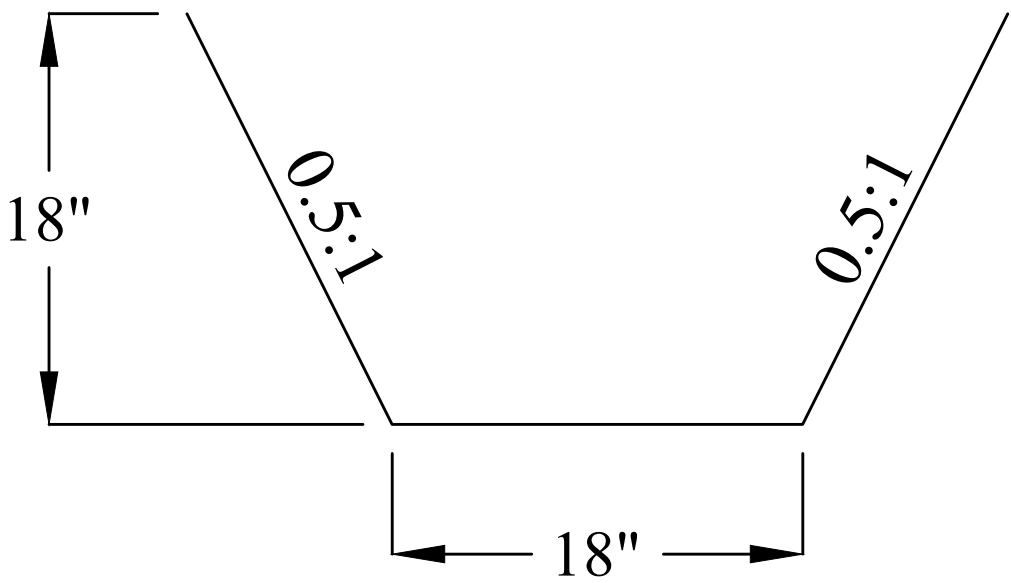
- 1. ROLLING DIPS SHALL BE INSTALLED IN THE ROADBED AS NEEDED TO DRAIN THE ROAD SURFACE.
- 2. ROLLING DIPS SHALL BE SLOPED EITHER INTO THE DITCH OR TO THE OUTSIDE OF THE ROAD EDGE AS REQUIRED TO PROPERLY DRAIN THE ROAD.
- 3. ROLLING DIPS ARE USUALLY BUILT WITH THE TROUGH ALIGNED AT 5 TO 30 DEGREE ANGLES FROM PERPENDICULAR TO THE ROAD CENTERLINE, WITH CROSS ROAD GRADE OF AT LEAST 1% GREATER THAN THE GRADE OF THE ROAD.
- 4. EXCAVATION FOR THE DIPS SHALL BE DONE WITH A MEDIUM-SIZE BULLDOZER OR SIMILAR EQUIPMENT.
- 5. EXCAVATION OF THE DIPS SHALL BEGIN 50 TO 100 FEET UP ROAD FROM WHERE THE AXIS OF THE DIP IS PLANNED AS PER GUIDELINES ESTABLISHED IN THE ROLLING DIP DIMENSIONS TABLE.
- 6. MATERIAL SHALL BE PROGRESSIVELY EXCAVATED FROM THE UP ROAD ROADBED AND TRANSLATED IN THE DOWN ROAD DIRECTION, STEEPENING THE GRADE UNTIL THE TROUGH IS REACHED.
- 7. THE DEPTH OF THE DIP SHALL BE DETERMINED BY THE GRADE OF THE ROAD (SEE TABLE BELOW).
- 8. ON THE DOWN ROAD SIDE OF THE ROLLING DIP TROUGH, A GRADE CHANGE SHALL BE INSTALLED AS THE CREST IS CONSTRUCTED WITH EXCAVATED FILL MATERIAL TO PREVENT THE RUNOFF FROM CONTINUING DOWN THE ROAD (SEE FIGURE ON THE RIGHT).
- 9. THE RISE IN THE REVERSE GRADE BETWEEN THE TROUGH AND CREST SHALL BE CARRIED FOR ABOUT 15 TO 25 LINEAR FEET AND THEN RETURN TO THE ORIGINAL ROAD GRADE (SEE TABLE BELOW).

TABLE OF ROLLING DIP DIMENSIONS BY ROAD GRADE

ROAD GRADE %	UPSLOPE APPROACH DISTANCE (FROM UP ROAD TO TROUGH) FT	REVERSE GRADE DISTANCE (FROM TROUGH TO CREST) FT	DEPTH AT TROUGH OUTLET (BELOW AVERAGE ROAD GRADE) FT	DEPTH AT TROUGH INLET (BELOW AVERAGE ROAD GRADE) FT
6	55	15-20	1.0	0.5
8	65	15-20	1.3	0.6
10	75	15-20	1.4	0.7
12	85	20-25	1.6	0.8
>12	100	20-25	1.8	0.9

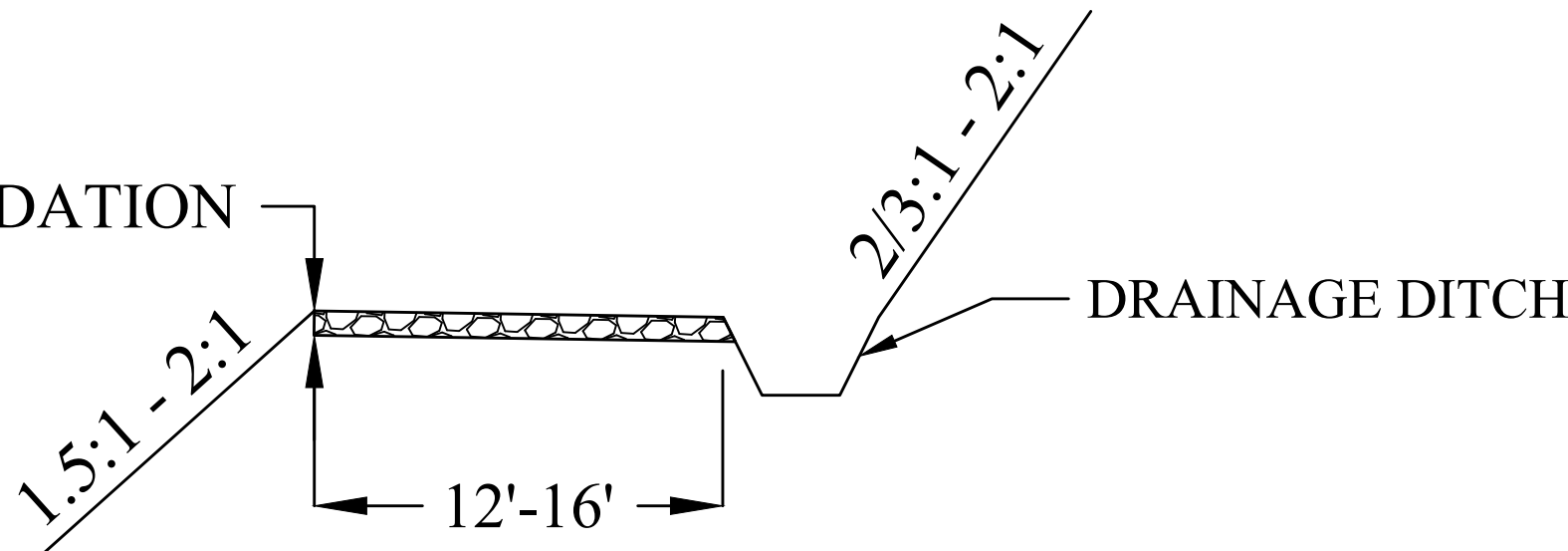


1 ROLLING DIP TYPICAL
C-13 NOT TO SCALE



2 LEAD OUT DITCH
C-13 NOT TO SCALE

6" LAYER OF CLASS 2 AB - 1.5" MINUS GRADATION

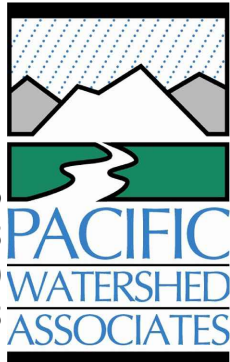


3 ROCKED ROAD SURFACE
C-13 NOT TO SCALE

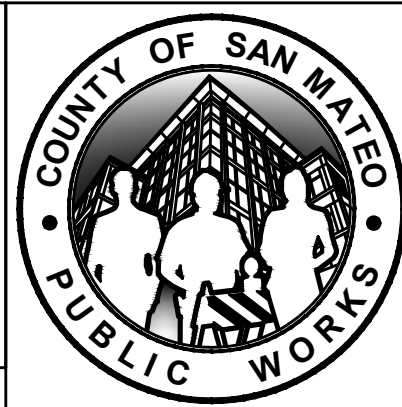


APPROVED:
DATE: 05/05/2023
ANN MADER STILLMAN,
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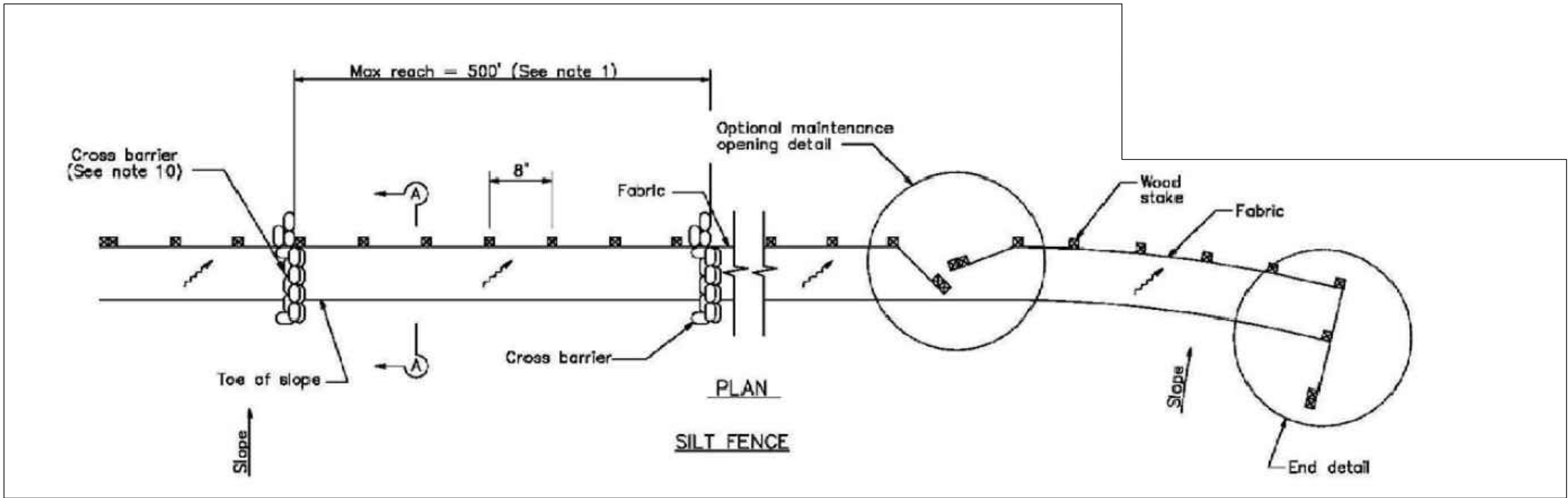


APPROVED DATE: 2/10/2023
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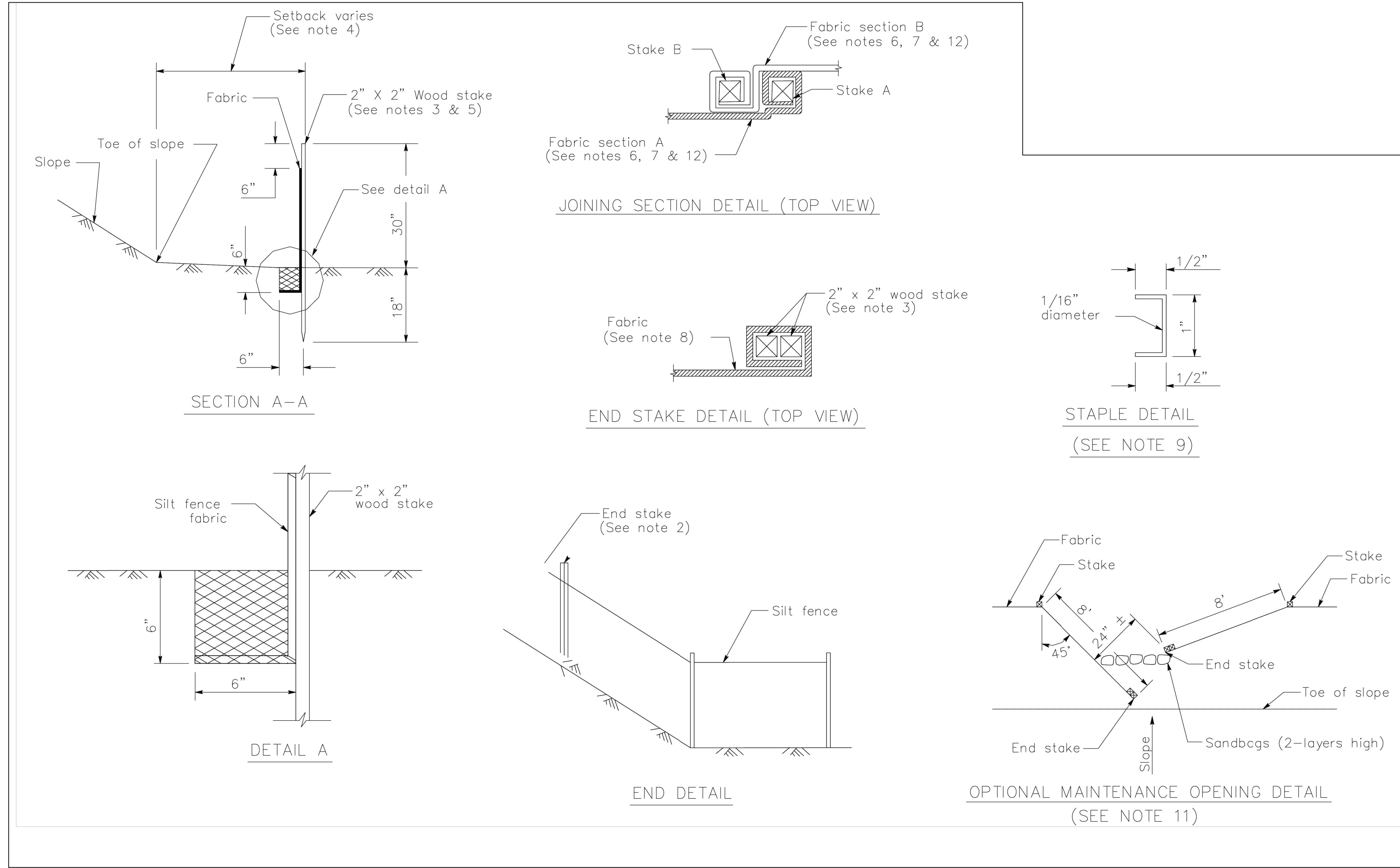


DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT	SCALE: NONE
CHECKED BY: LBJ	ROLLING DIP TYPICALS	DATE: 1/17/2023
DRAWN BY: BTK/UPS	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	FILE NO.: 1/E5053
REVISION	DATE	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-13 SHEET 14 OF 16

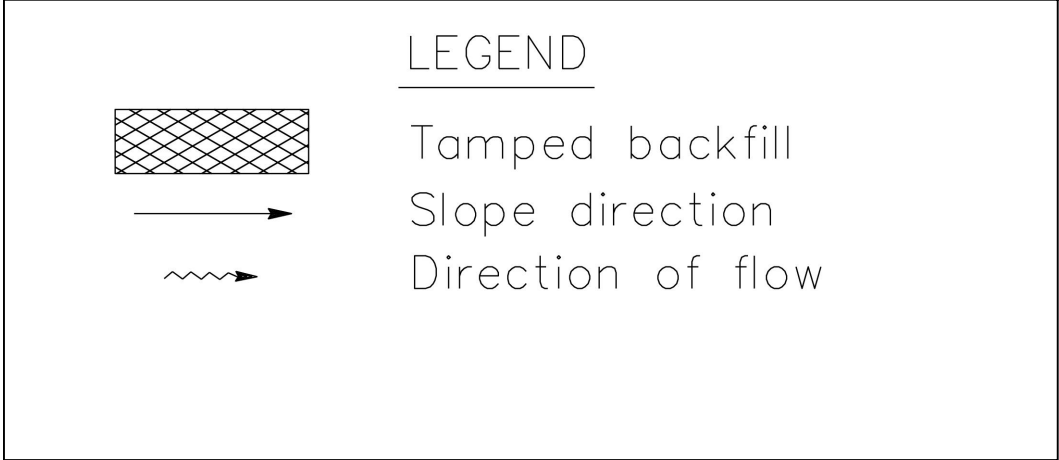
FILENAME: P:\CA0\104151-QUARRY PARK FIRE ROAD\104151- QUARRY_PARK_100PERCENT.DWG (ROLLING DIP TYP)



1 SILT FENCE INSTALLATION TYPICAL PLAN VIEW
C-14 NOT TO SCALE (ADAPTED FROM CASQA BMP HANDBOOK)

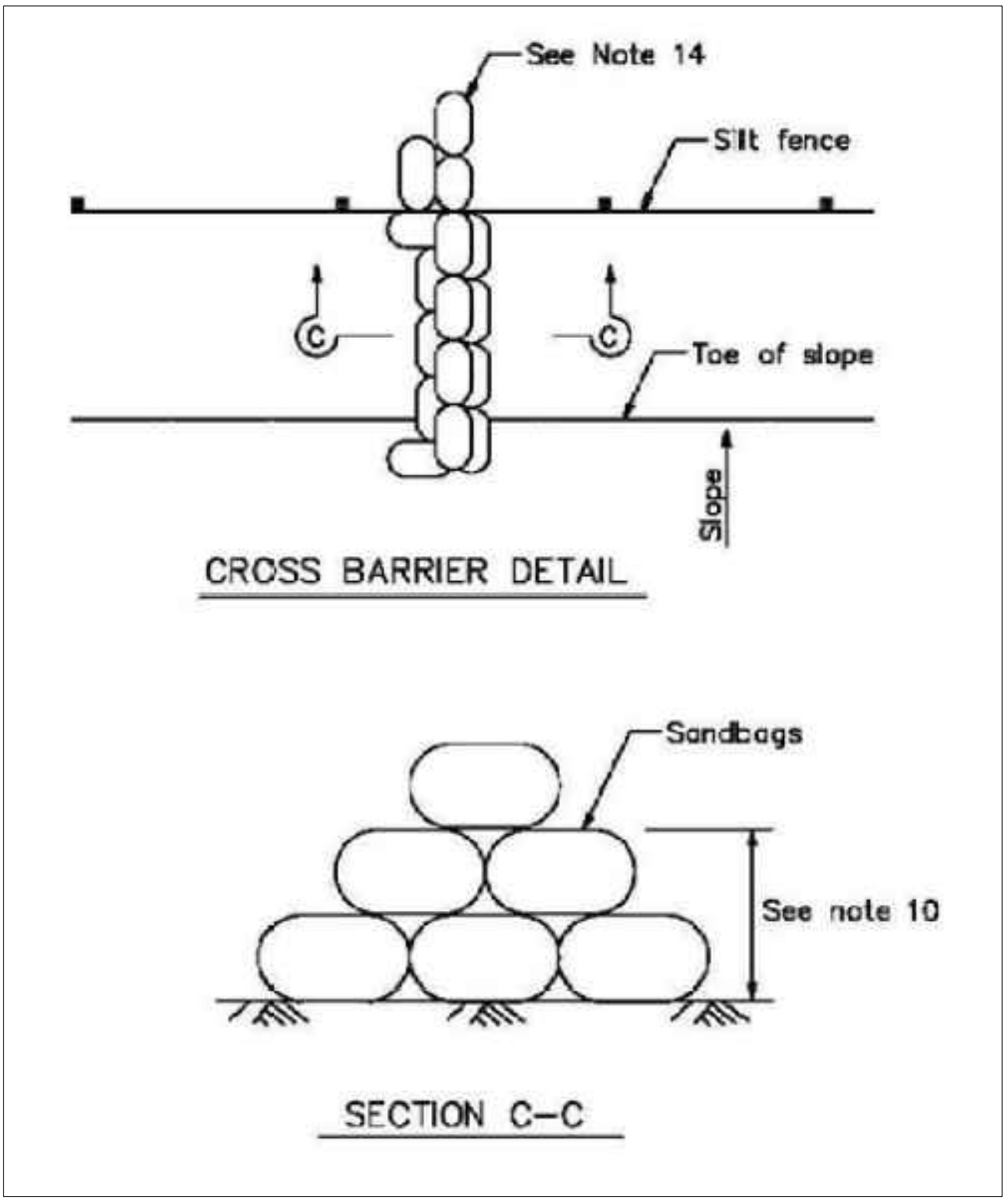


2 SILT FENCE INSTALLATION TYPICAL DETAILS
C-14 NOT TO SCALE (ADAPTED FROM CASQA BMP HANDBOOK)

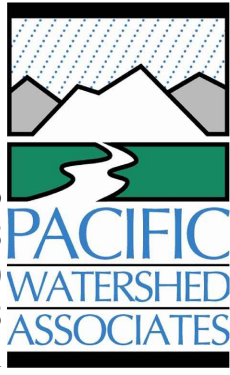


APPROVED: _____
DATE: 05/05/2023
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

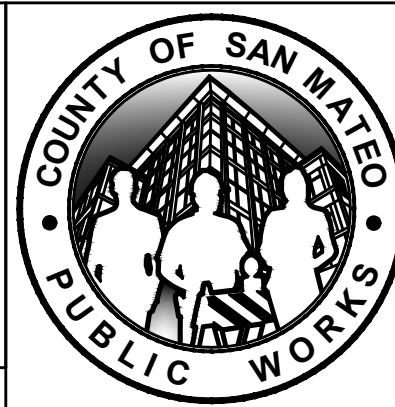
- NOTES
- Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500'.
 - The last 8'-0" of fence shall be turned up slope.
 - Stake dimensions are nominal.
 - Dimension may vary to fit field condition.
 - Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
 - Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
 - Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
 - For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
 - Minimum 4 staples per stake. Dimensions shown are typical.
 - Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
 - Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
 - Joining sections shall not be placed at sump locations.
 - Sandbag rows and layers shall be offset to eliminate gaps.
 - Add 3-4 bags to cross barrier on downgradient side of silt fence as needed to prevent bypass or undermining and as allowable based on site limits of disturbance.



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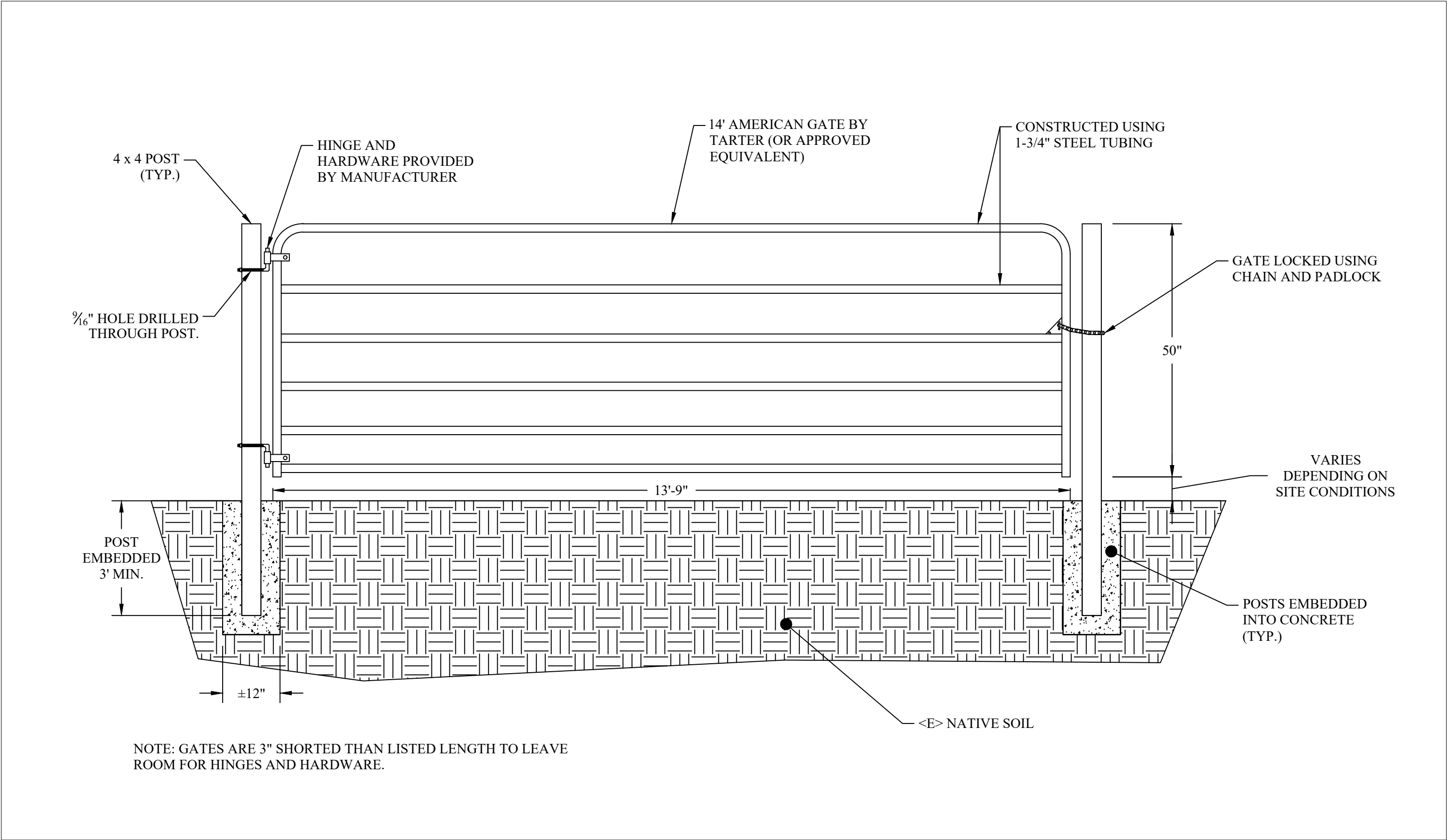
APPROVED DATE: 2/10/2023
2B4
ENGINEERING CONSULTANT
PACIFIC WATERSHED ASSOCIATES
R.C.E. # 55699 / EXPIRES 12-31-2024



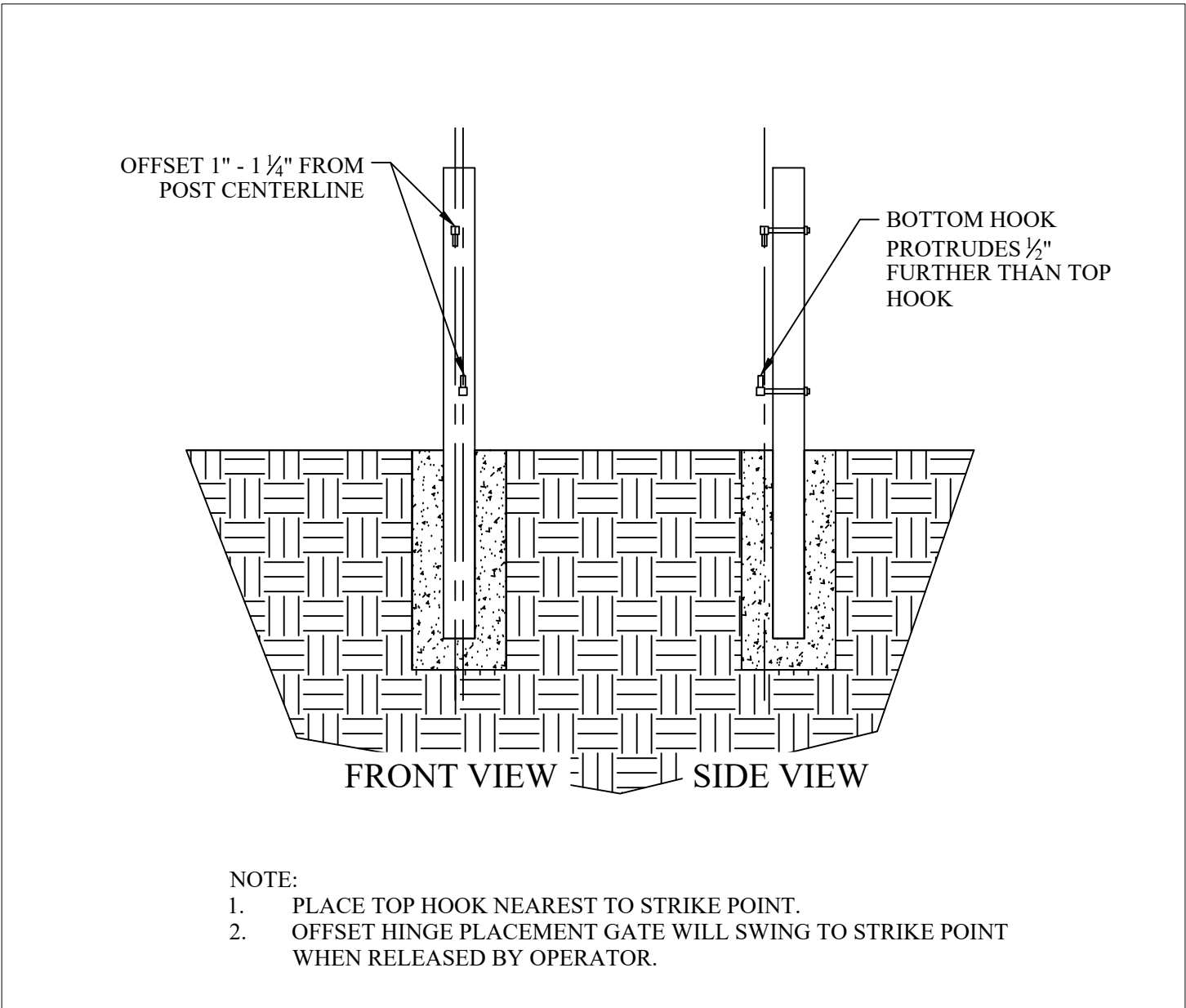
DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT	SCALE: NONE
CHECKED BY: LBJ	SILT FENCING TYPICAL DETAILS	DATE: 1/17/2023
DRAWN BY: BTK/UPS		FILE NO: 1/E5053
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		C-14 SHEET 15 OF 16



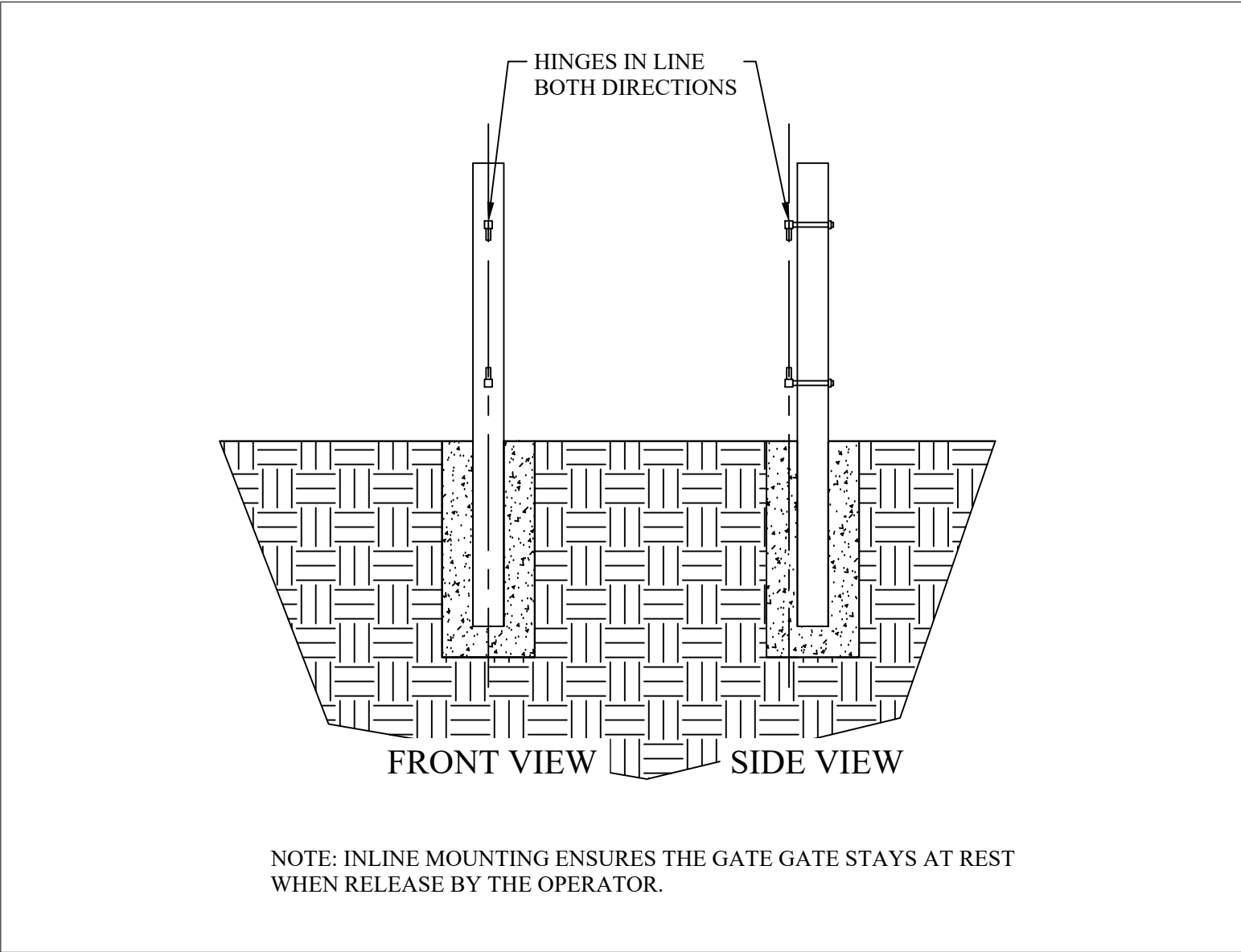
APPROVED: 05/05/2023
DATE: 05/05/2023
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DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



1 TYPICAL GATE DETAIL
C-15 NOT TO SCALE



2 TYPICAL OFFSET HINGE PLACEMENT OPTION DETAIL
C-15 NOT TO SCALE

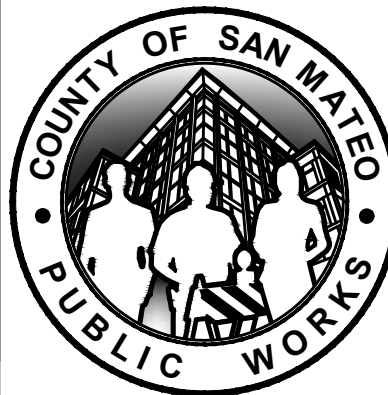


3 TYPICAL INLINE HINGE PLACEMENT OPTION DETAIL
C-15 NOT TO SCALE

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		DESIGNED BY: RMS	QUARRY PARK FIRE ROAD EXTENSION PROJECT	SCALE: NONE
		CHECKED BY: LBJ		DATE: 1/17/2023
		DRAWN BY: BTK/UPS		FILE NO.: 1/E5053
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REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				C-15 SHEET 16 OF 16

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES



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