



(E) NEAR VERTICAL SLOPE
BEHIND HOUSE PRIOR TO
GRADING VIOLATION

HISTORICAL SLOPE ON SAN
JOSE WATER COMPANY

APN: 544-05-032

2ND FLOOR ADDITION
AND GARAGE
CARPORT ADDITION
PERMITTED UNDER
SEPARATE PERMIT

APN: 544-03-001

APN: 544-05-013

(E) HOUSE

(E) PAVER DRIVEWAYS OFF
PRIVATE ROAD

VINA DRIVE
(20' R.O.W.)
PRIVATE ROAD
NOT COUNTY MAINTAINED

PRE-VIOLATION HISTORICAL
PLAN



PRE-VIOLATION HISTORICAL
CONTOURS PER SMP ENGINEERS
SURVEY DATED 11/6/2017
(MAJOR AND MINOR CONTOURS)

PRE-VIOLATION LEGEND

- (E) PAVERS
- (E) CONCRETE
- (E) RETAINING WALL
- PROPERTY LINE
- HISTORICAL MINOR CONTOURS
- HISTORICAL MAJOR CONTOURS

ABBREVIATIONS

BW	BOTTOM OF WALL
CB	CATCH BASIN
CONST	CONSTRUCT
DIA. #	DIAMETER
DS	DOWNSPOUT
DTL	DETAIL
DWY	DRIVEWAY
(E)	EXISTING
EL	ELEVATION
EOP	EDGE OF PAVEMENT
FF	FINISH FLOOR
FG	FINISH GRADE
FS	FIRE SERVICE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
N.T.S.	NOT TO SCALE
RW	RETAINING WALL
RM	RM ELEVATION
S	SLOPE
SCCO	SANTA CLARA COUNTY
SSCO	SANITARY SEWER CLEANOUT
SDCO	STORM DRAIN CLEANOUT
TYP	TYPICAL
TW	TOP OF WALL
WS	WATER SERVICE

TOPOGRAPHICAL SURVEY NOTE

HISTORICAL CONTOURS SHOWN ON THIS PLAN ARE FROM A SITE
SURVEY TAKEN BY SMP CIVIL ENGINEERS AND LAND SURVEYORS
ON NOVEMBER 6, 2017



R.I Engineering, Inc.

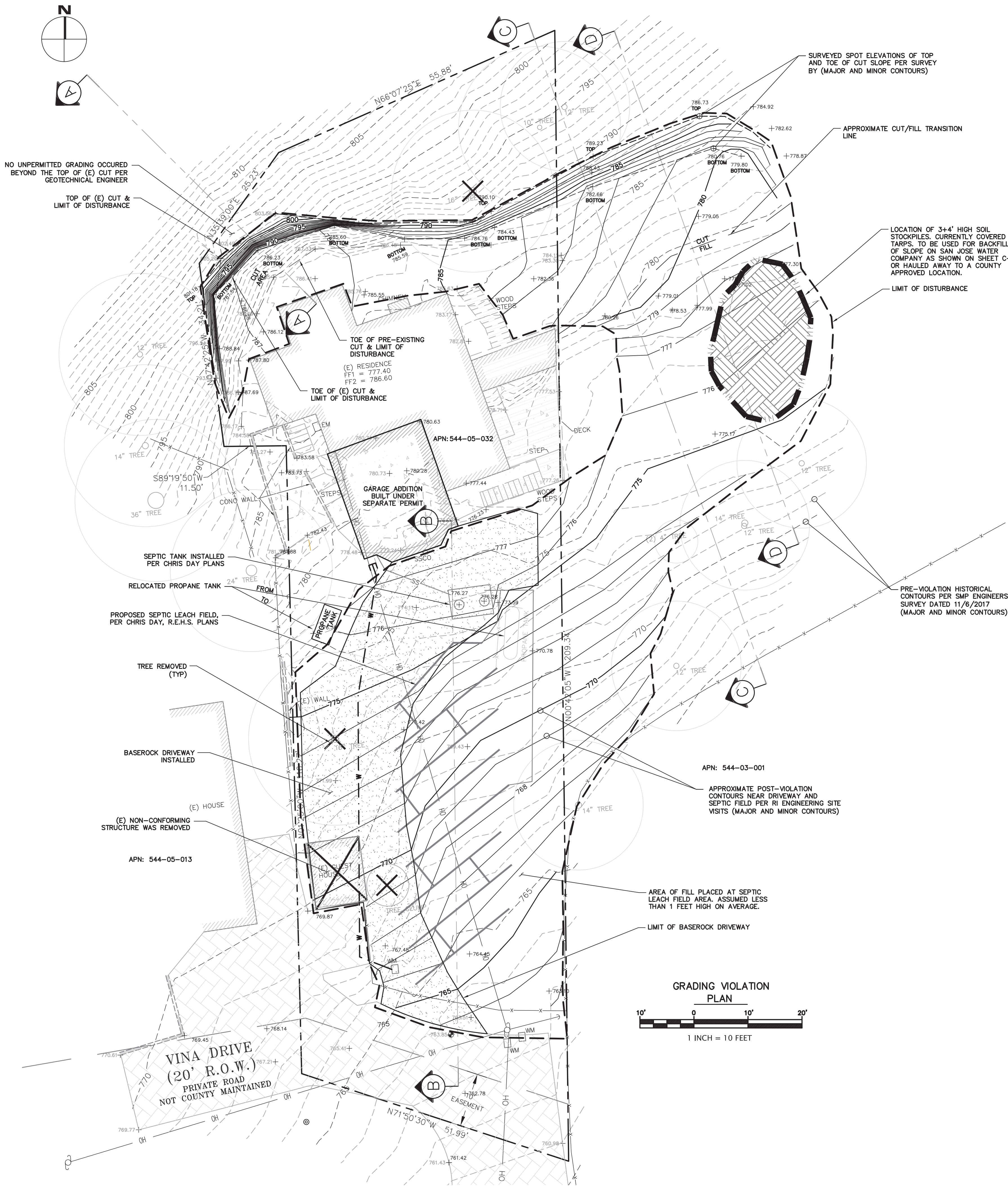
303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
831-425-3901 www.riengineering.com

GRADING ABATEMENT PROJECT
FOR
ARASH RIAZI AND JILL WALLS
18525 VINA DRIVE
LOS GATOS, CA 95033
APN: RIAZI-544-05-032, SJ WATER=544-03-001

PRE-GRADING VIOLATION
SITE CONDITIONS

project no.
20-040-1
date
MAY 2021
scale
AS SHOWN
dwg name
CIVIL1.dwg

C-1



EARTHWORK AND GRADING

1. WORK SHALL CONSIST OF ALL CLEARING, GRUBBING, STRIPPING, PREPARATION OF LAND TO BE FILLED, EXCAVATION, SPREADING, COMPACTION AND CONTROL OF FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADES, AND SLOPES, AS SHOWN ON THE APPROVED PLANS.
2. ALL GRADING OPERATIONS SHALL CONFORM TO SECTION 19 OF THE CALTRANS STANDARD SPECIFICATIONS, AND SHALL ALSO BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA. THE MOST STRINGENT GUIDELINE SHALL PREVAIL.
3. REFERENCE IS MADE TO THE GEOTECHNICAL RECOMMENDATIONS BY C2EARTH, ENTITLED "GEOTECHNICAL STUDY," DATED 12/9/2020. THE CONTRACTOR SHALL MAKE A THOROUGH REVIEW OF THIS REPORT AND SHALL FOLLOW ALL RECOMMENDATIONS THEREIN. THE CONTRACTOR SHALL CONTACT C2EARTH, FOR ANY CLARIFICATIONS NECESSARY PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL GRADE TO THE LINE AND ELEVATIONS SHOWN ON THE PLAN AND SHALL SECURE THE SERVICES OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER TO PROVIDE STAKES FOR LINE AND GRADE.
5. THE GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED AT LEAST FOUR (4) DAYS PRIOR TO ANY SITE CLEARING AND GRADING OPERATIONS.
6. THE UPPER 18" OF NATIVE SUBGRADE IN AREAS TO RECEIVE CONCRETE SLABS AND/OR PAVEMENTS SHOULD BE OVEREXCAVATED AND EXPOSED SURFACE SHOULD BE SCARIFIED, MOISTURE CONDITIONED TO PRODUCE A MOISTURE CONTENT WITHIN 4% TO 5% ABOVE THE LABORATORY OPTIMUM VALUE, AND UNIFORMLY COMPACTED TO AT LEAST 90% RELATIVE COMPACTION BASED ON ASTM TEST D1557. THE UPPER 6" OF CONCRETE SLAB, AND PAVEMENT SUBGRADE AND BASE SHOULD BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
7. ENGINEERED FILL SHOULD BE PLACED IN THIN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.
8. MATERIAL USED FOR ENGINEERED FILL SHALL MEET THE REQUIREMENTS OF THE AFOREMENTIONED REPORTS BY C2 EARTH.
9. IMPORTED FILL MATERIAL USED AS ENGINEERED FILL FOR THE PROJECT SHALL MEET THE FOLLOWING REQUIREMENTS:
Less than 3% organics, free of debris and gravel material, contain no rocks or clods greater than 2.5" in diameter, with no more than 15 percent by weight of rocks larger than 2 1/2".
Be granular and have a plasticity index of less than 15, and should have sufficient binder to allow excavations to stand without caving.
10. ALL FILL MATERIAL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO JOBSITE DELIVERY AND PLACEMENT. NO EARTHWORK OPERATIONS SHALL BE PERFORMED WITHOUT THE DIRECT OBSERVATION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
11. BARE GROUND WITHIN 10' OF FOUNDATIONS SHALL BE SLOPED AWAY @ 5% MINIMUM OR 2% MINIMUM FOR PAVED SURFACES.

TOPOGRAPHICAL SURVEY NOTE

HISTORICAL CONTOURS SHOWN ON THIS PLAN ARE FROM A SITE SURVEY TAKEN BY SMP CIVIL ENGINEERS AND LAND SURVEYORS ON NOVEMBER 6, 2017

APPROXIMATE EARTHWORK QUANTITIES FOR GRADING VIOLATION

EARTHWORK VIOLATION	CUT	FILL	VERT. DEPTH
RIAZI APN: 544-05-032			
CUT BEHIND RESIDENCE	77	0	15
DRIVEWAY & BASEROCK FILL	0	102	2
SEPTIC AREA FILL	0	30	1
WATER COMPANY APN: 544-03-001			
CUT SLOPE AND FILL SPREAD BELOW	60	48	6
TOTAL VIOLATION GRADING, BOTH PARCELS	137	180	15

NOTES:
1. EARTHWORK QUANTITIES ARE APPROXIMATE AND ESTIMATED USING PREVIOUS SURVEY AND ENGINEERING JUDGEMENT.

VIOLATION LEGEND

	(E) PAVERS
	(E) CONCRETE
	(E) RETAINING WALL
	SEPTIC SYSTEM
	PROPERTY LINE
	HISTORICAL MINOR CONTOURS
	HISTORICAL MAJOR CONTOURS
	EXISTING VIOLATION MINOR CONTOURS
	EXISTING VIOLATION MAJOR CONTOURS
	TREE REMOVAL

ABBREVIATIONS

BW	BOTTOM OF WALL
CB	CATCH BASIN
CONST	CONSTRUCT
DIA, Ø	DIAMETER
DS	DOWNSPOUT
DTL	DETAIL
DWY	DRIVEWAY
(E)	EXISTING
EL	ELEVATION
EOP	EDGE OF PAVEMENT
FF	FINISH FLOOR
FG	FINISH GRADE
FS	FIRE SERVICE
HP	HIGH POINT
INV	INVERT
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MAX	MAXIMUM
N.T.S.	NOT TO SCALE
RW	RETAINING WALL
RM	RIM ELEVATION
S	SLOPE
SCCD	SANTA CLARA COUNTY
SSCO	SANITARY SEWER CLEANOUT
SDCO	STORM DRAIN CLEANOUT
TYP	TYPICAL
TW	TOP OF WALL
WS	WATER SERVICE

PROFESSIONAL ENGINEER
MARK M. GROFCSKI
No. 83444
Exp. 3-31-23
CIVIL
STATE OF CALIFORNIA

5/10/2021

RI Engineering, Inc.

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GRADING ABATEMENT PROJECT
FOR
ARASH RIAZI AND JILL WALLS
18525 VINA DRIVE
LOS GATOS, CA 95033
APN: RIAZI-544-05-032, SJ WATER=544-03-001

GRADING VIOLATION

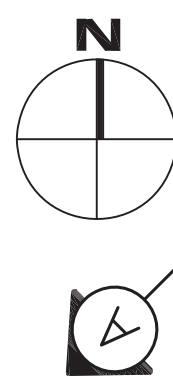
project no.
20-040-1

date
MAY 2021

scale
AS SHOWN

dwg name
CIVIL1.dwg

C-2



CUT BEHIND HOUSE TO REMAIN
EROSION CONTROL MATTING TO BE
INSTALLED OVER CUT SLOPE

FILL EXISTING CUT SLOPE BACK @ 2:1
ON WATER DEPARTMENT PROPERTY.

PROPOSED GRADING CONTOURS
TO MITIGATE FOR STEEP CUT ON
WATER DEPARTMENT LAND AND
RETURN SLOPE TO STABLE 2:1 SLOPE

LIMIT OF PROPOSED GRADING
FOR SLOPE MITIGATION

POST-VIOLATION
GRADING CONTOURS

REMOVE SOIL STOCKPILES FROM THIS
AREA.

(E) RESIDENCE
FF1 = 777.40
FF2 = 786.60

(E) EDGE OF BASEROCK DRIVEWAY
PROPOSED BASEROCK DRIVEWAY
12' WIDE RELOCATED 5' AWAY FROM
SEPTIC FIELD

WATERLINE LOCATED MIN 5' FROM
SEPTIC FIELD
(E) HOUSE

(E) SEPTIC TANK TO REMAIN

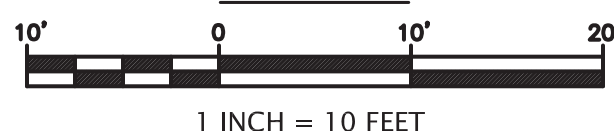
LIMIT OF PROPOSED GRADING
FOR SEPTIC AREA

SEPTIC LEACH FIELD BY DESIGN BY
CHRISTOPHER DAY

REMOVE FILL FROM SEPTIC AREA AND
RETURN TO NATURAL CONTOURS FOR
SEPTIC FIELD INSTALLATION.
SEE SHEET C-1 FOR PRE-VIOLATION
CONTOURS

REMOVE BASEROCK DRIVEWAY FROM
LEACH FIELD AREA AND RELOCATE IT
AS SHOWN

PLAN
PLAN



VINA DRIVE
(20' R.O.W.)
PRIVATE ROAD
NOT COUNTY MAINTAINED

PROPOSED EARTHWORK QUANTITIES FOR GRADING REMEDIATION

PROPOSED REMEDIATION EARTHWORK	CUT	FILL	VERT. DEPTH
RIAZI: APN:544-05-032			
2:1 FILL SLOPE	0	8	6
FILL REMOVAL FROM SEPTIC AREA	30	0	1
WATER COMPANY APN: 544-03-001			
2:1 FILL SLOPE	0	40	6

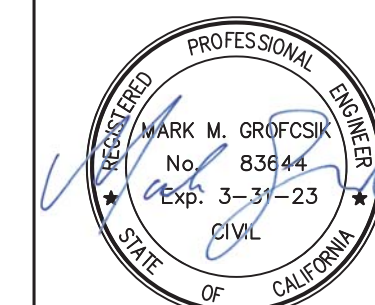
- NOTES:
1. EARTHWORK QUANTITIES ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED
BY CONTRACTOR.
2. EARTHWORK IS REQUIRED
A) TO LAYBACK SLOPE AT 2:1 ON WATER DEPARTMENT LAND.
B) TO REMOVE FILL FROM THE SEPTIC AREA

MITIGATION LEGEND

	(E) CONCRETE
	(E) RETAINING WALL
	PROPERTY LINE
	POST GRADING VIOLATION MINOR CONTOURS
	POST GRADING VIOLATION MAJOR CONTOURS
	PROPOSED MITIGATION MINOR CONTOURS
	PROPOSED MITIGATION MAJOR CONTOURS

ABBREVIATIONS

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5/10/2021

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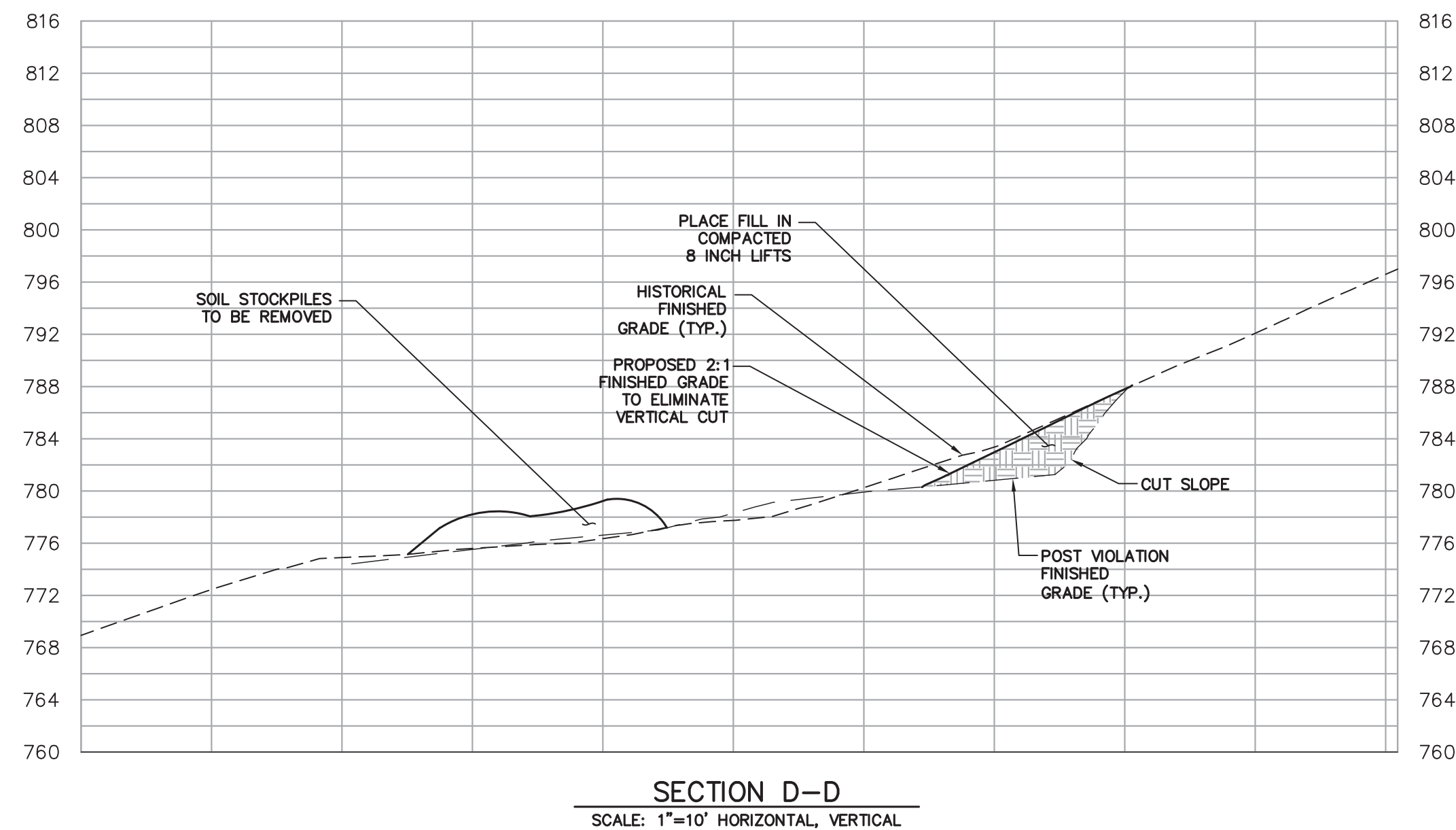
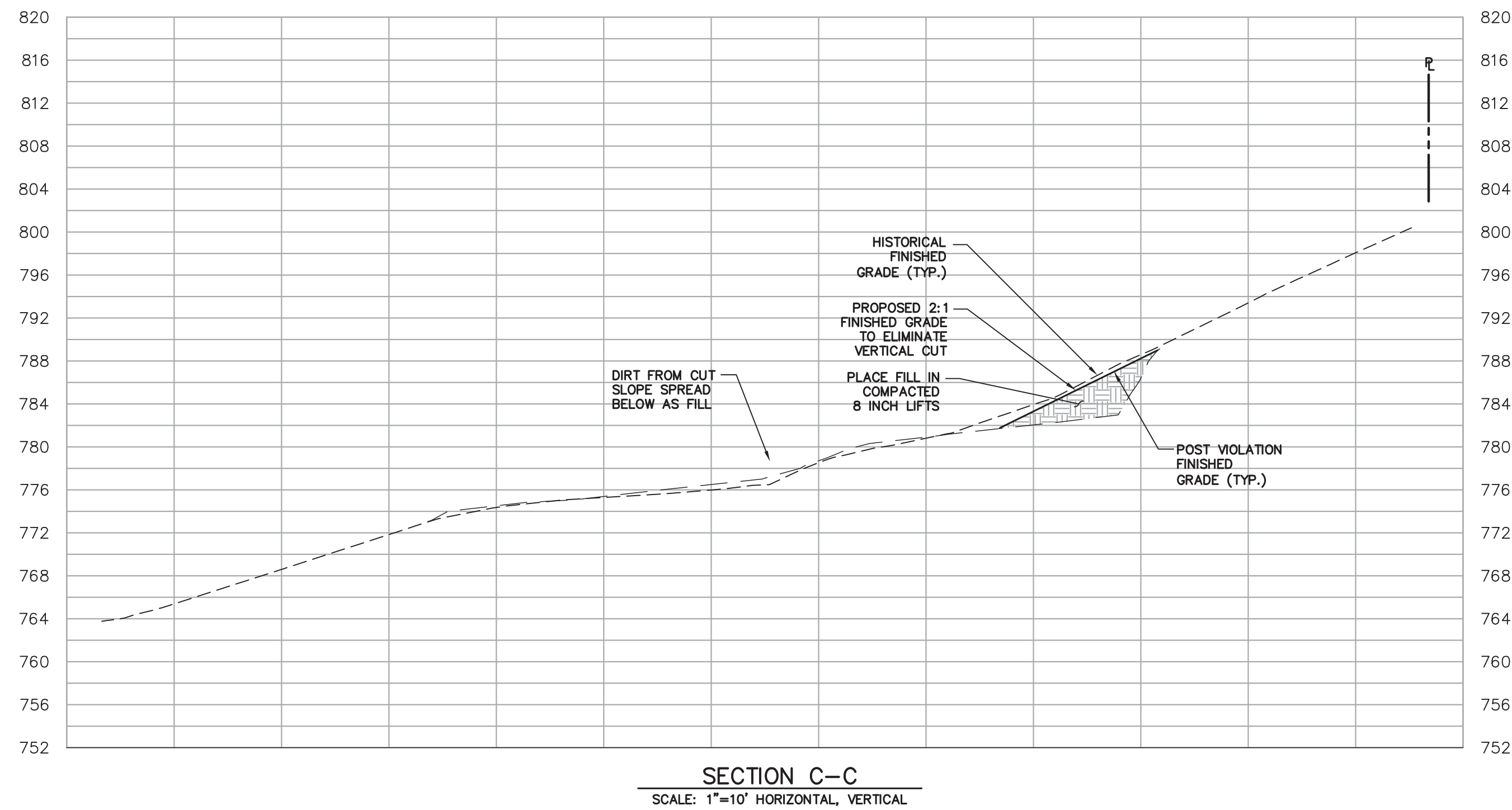
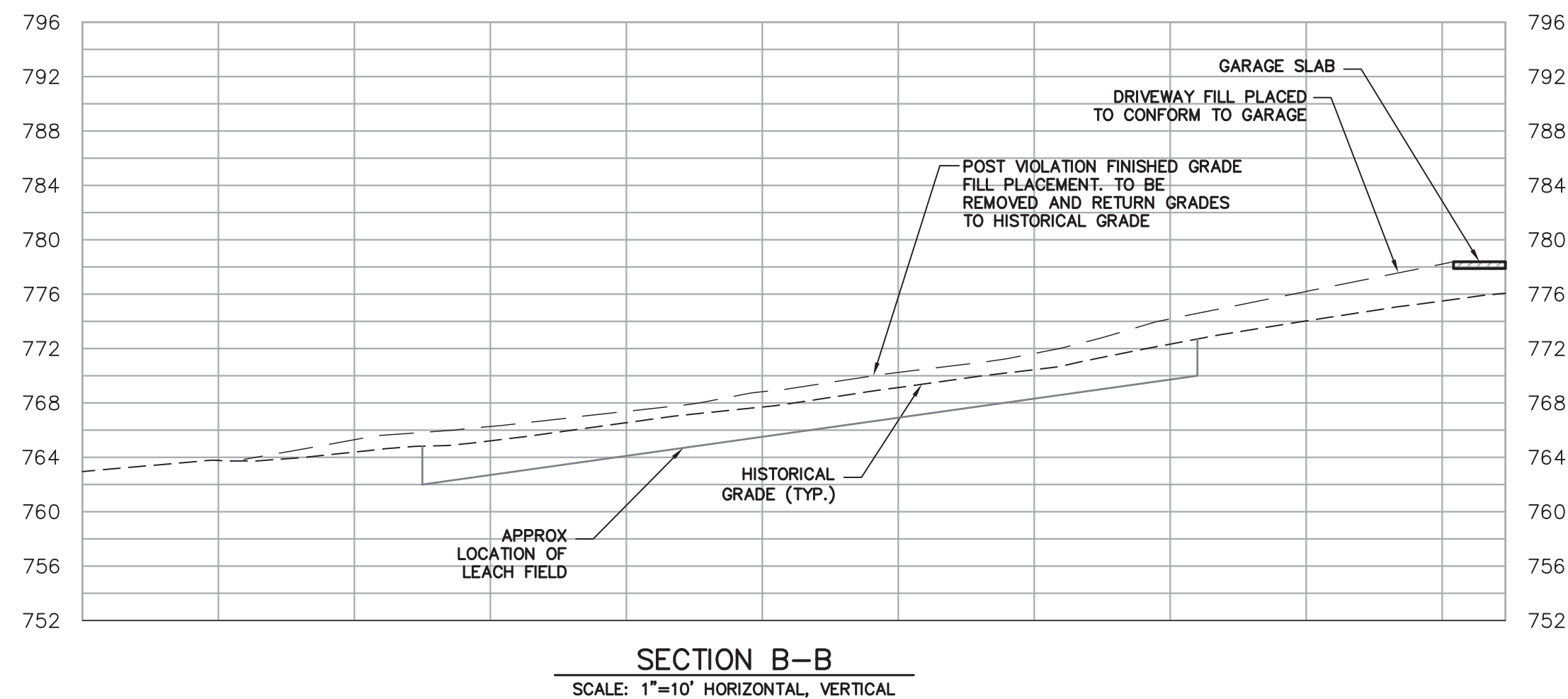
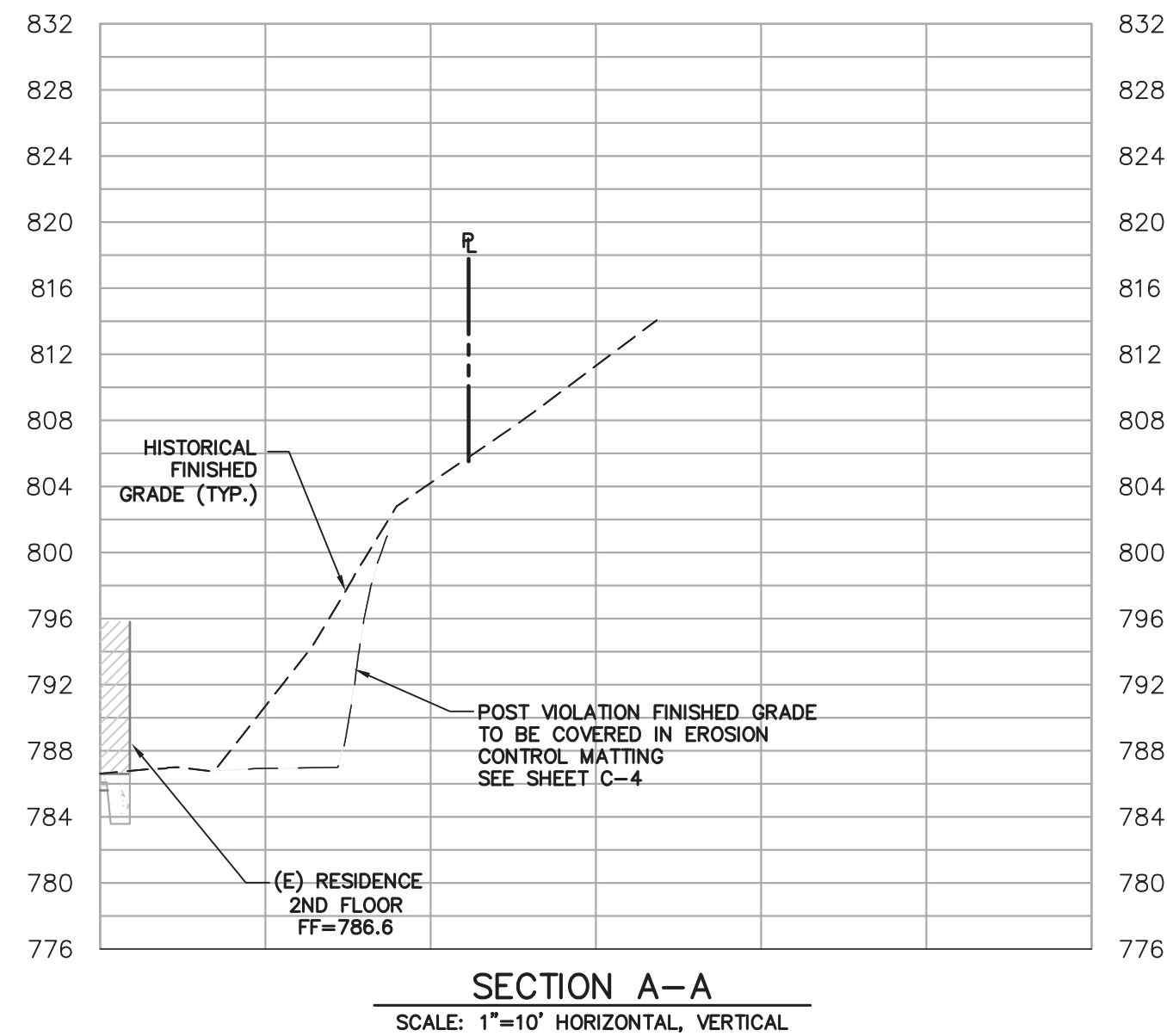
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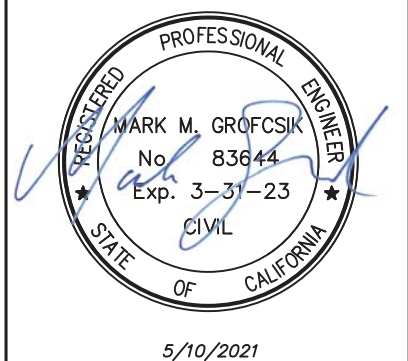
GRADING ABATEMENT PROJECT
FOR
ARASH RIAZI AND JILL WALLS
18525 VINA DRIVE
LOS GATOS, CA 95033
APN: RIAZI-544-05-032, SJ WATER=544-03-001

PROPOSED GRADING ABATEMENT

project no.
20-040-1
date
MAY 2021
scale
AS SHOWN
dwg name
CIVIL1.dwg

C-3





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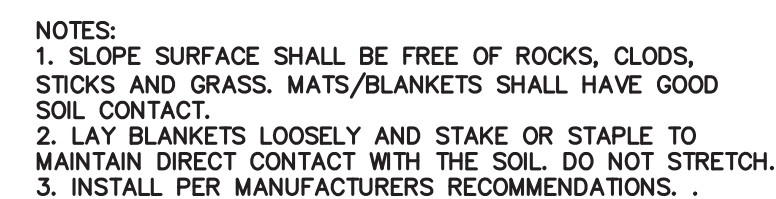
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GRADING ABATEMENT PROJECT
FOR
ARASH RIAZI AND JILL WALLS
18525 VINA DRIVE
LOS GATOS, CA 95033
APN: RIAZI-544-03-002, SJ WATER=544-03-001

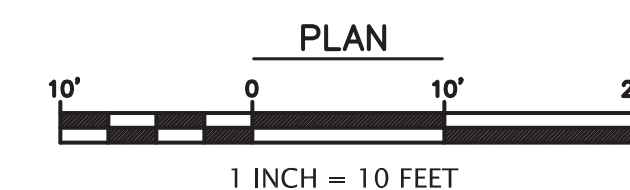
SECTIONS


project no.	20-040-1
date	MAY 2021
scale	AS SHOWN
dwg name	CIVIL1.dwg


1. EROSION IS TO BE CONTROLLED AT ALL TIMES ALTHOUGH SPECIFIC MEASURES SHOWN. DURING THE PERIOD OF OCTOBER 15TH TO APRIL 15TH, SHOW MEASURES SHALL BE INSTALLED BY THE TIME OF THE INITIAL "GRADE STAKE" INSPECTION.
2. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
3. ALL DITCHES SHALL BE LINED WITH GRASS OR 4" HAND PLACED COBBLE
4. PLANTING SHALL BE COMPLETED NOT MORE THAN 90 DAYS AFTER COMPLETION OF GRADING
5. ALL DISTURBED AREAS TO BE HYDROSEEDED AFTER GRADING IS COMPLETED.
6. THE DESIRED END RESULT OF THESE MEASURES IS TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF THE SITE. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO SEE THAT ANY ADDITIONAL MEASURES NECESSARY TO MEET THIS GOAL ARE IMPLEMENTED. IF FAILED INSPECTIONS BY COUNTY STAFF SHOW THIS GOAL IS NOT BEING MET, ADDITIONAL MEASURES MAY BE REQUIRED.
7. GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.
8. IN ADDITION TO NOTE 4 ABOVE, SLOPES GREATER THAN 15% VERTICAL HEIGHT SHALL BE PLANTED WITH SHRUBS IN 2 1/2' POTIONS OR LARGER, SPACED AT INTERVALS OF 10' OR LESS ON CENTERS, OR TREES HAVING A ONE GALLON MINIMUM SIZE AT 20' INTERVALS, IN A COMBINATION OF TREES AND SHRUBS AT SPACING APPROPRIATE TO THE SPECIES. THE PLANTS, SELECTION AND THE PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATE CONDITIONS OF THE SITE.

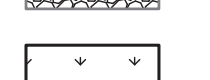



TYPICAL 2:1 SLOPE SOIL STABILIZATION





-  INSTALL FIBER ROLL PROTECTION PER DETAIL THIS SHEET


 INSTALL CATCH BASIN PROTECTION PER DETAIL THIS SHEET

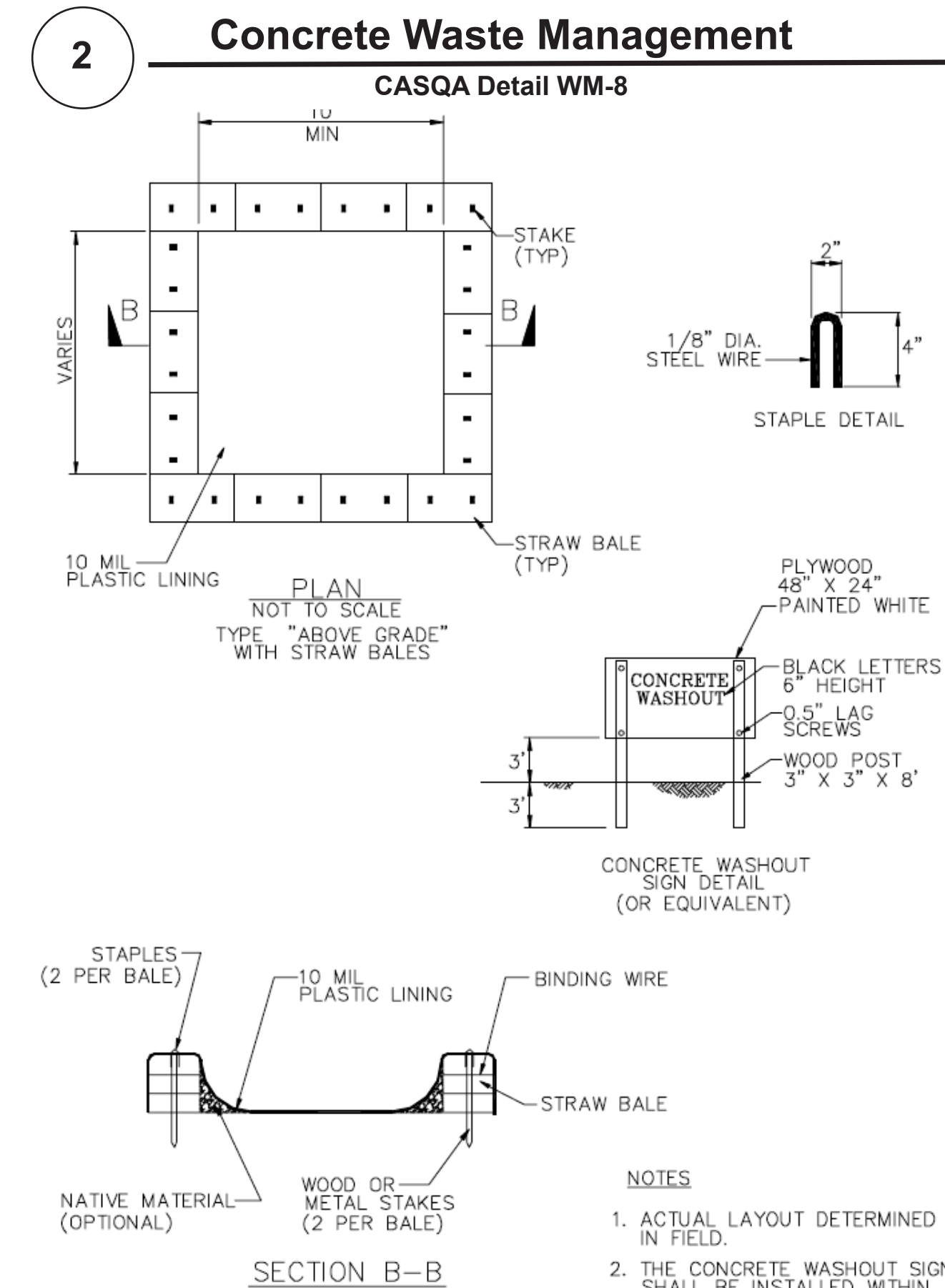
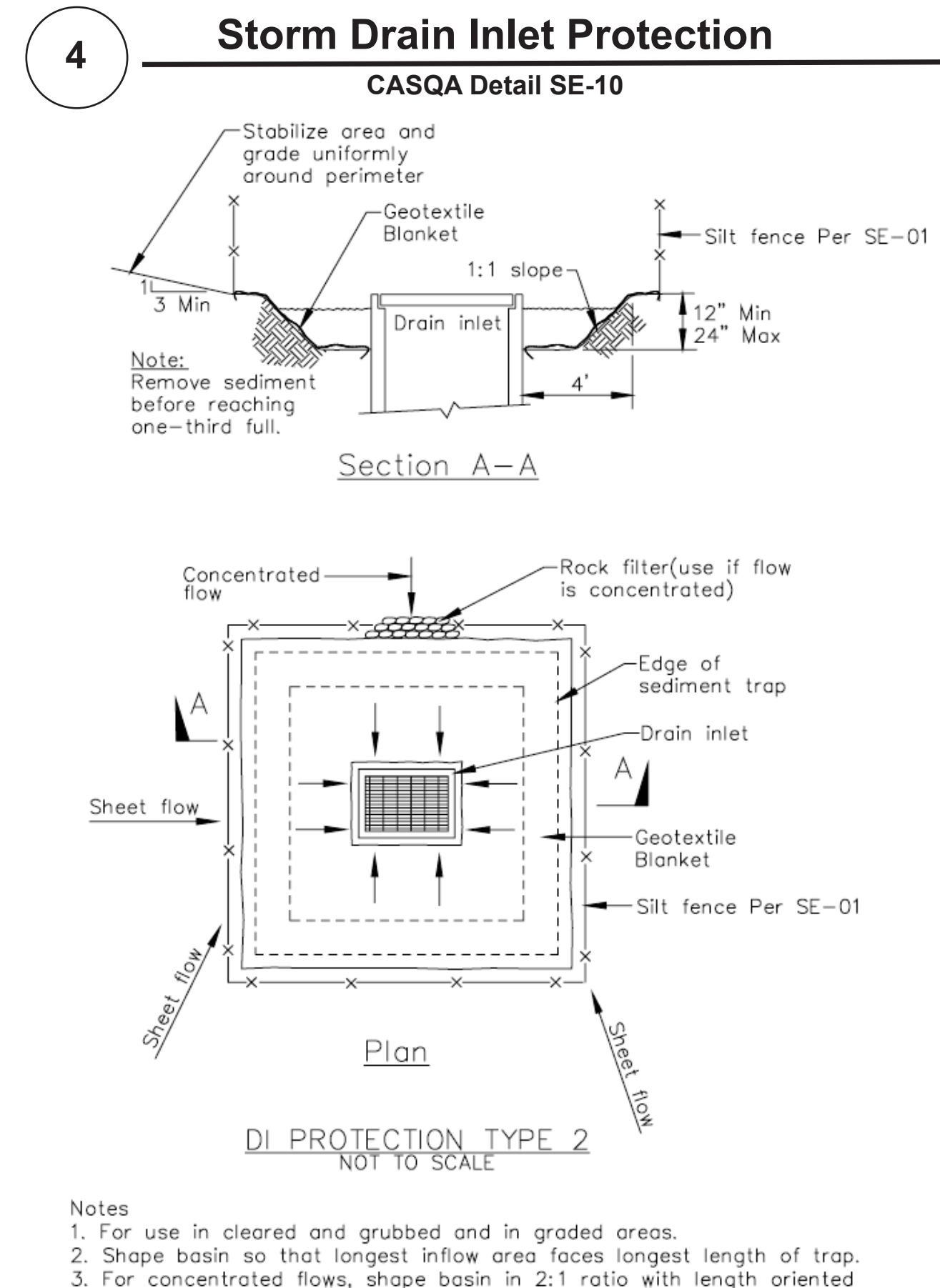
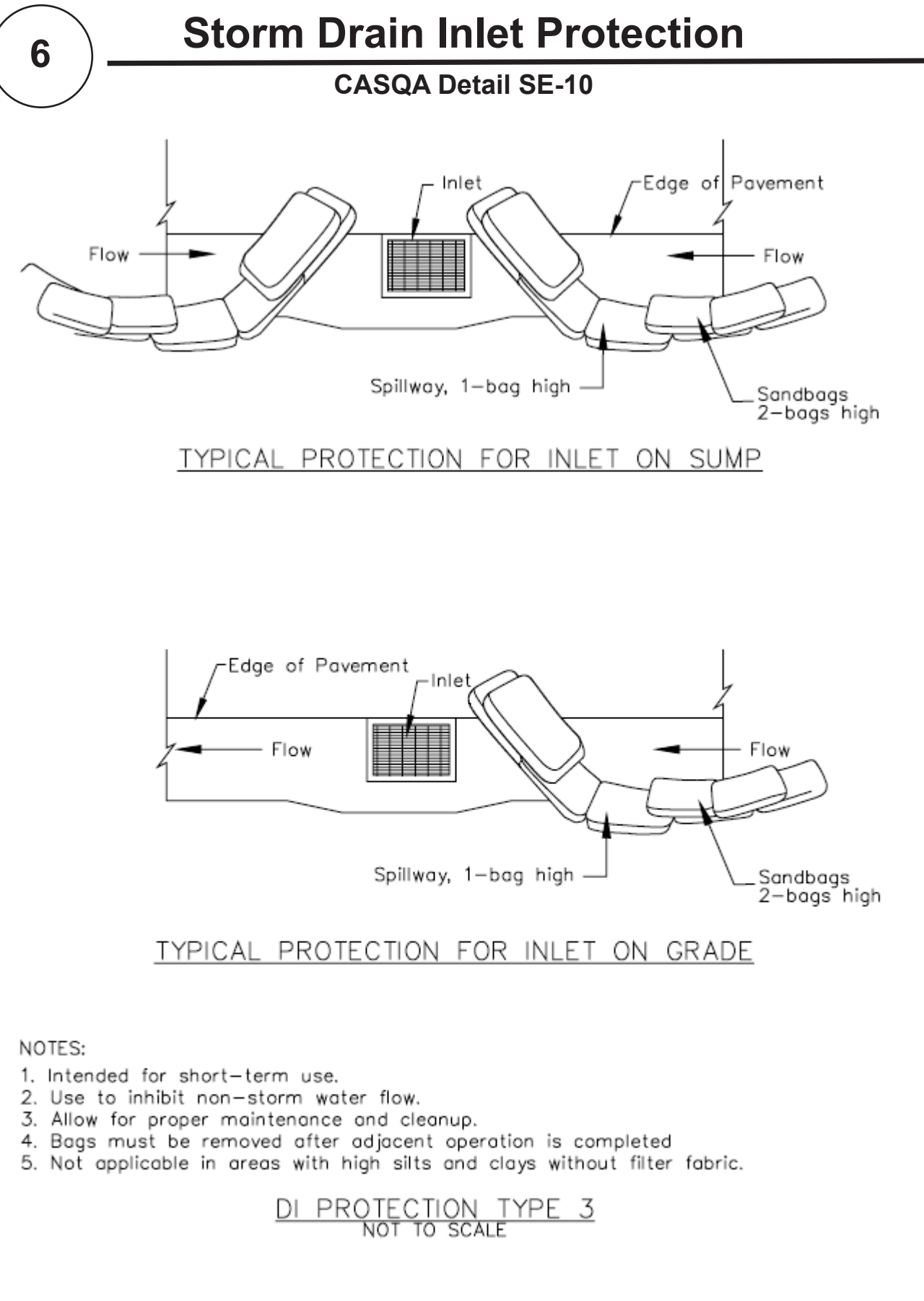
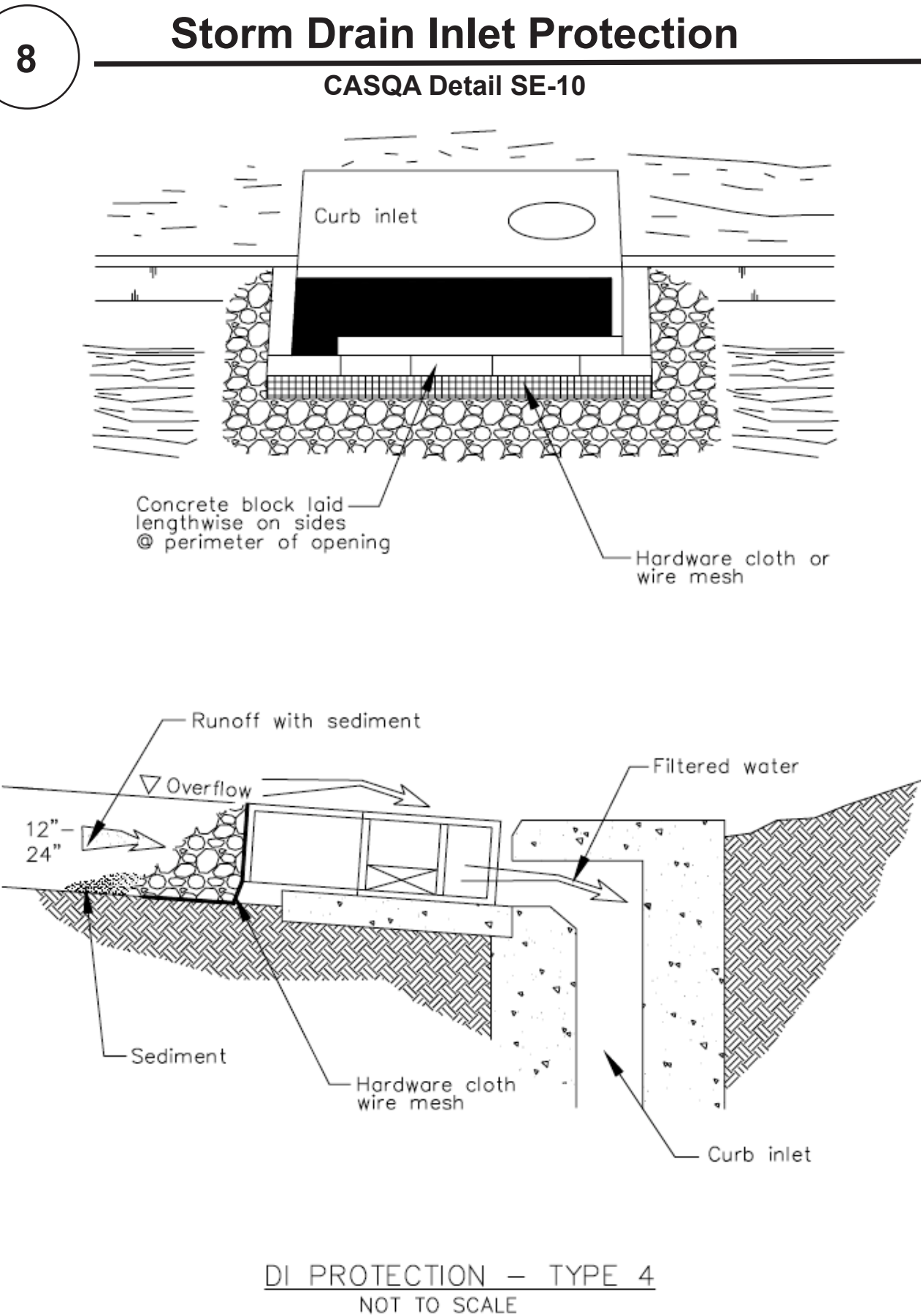
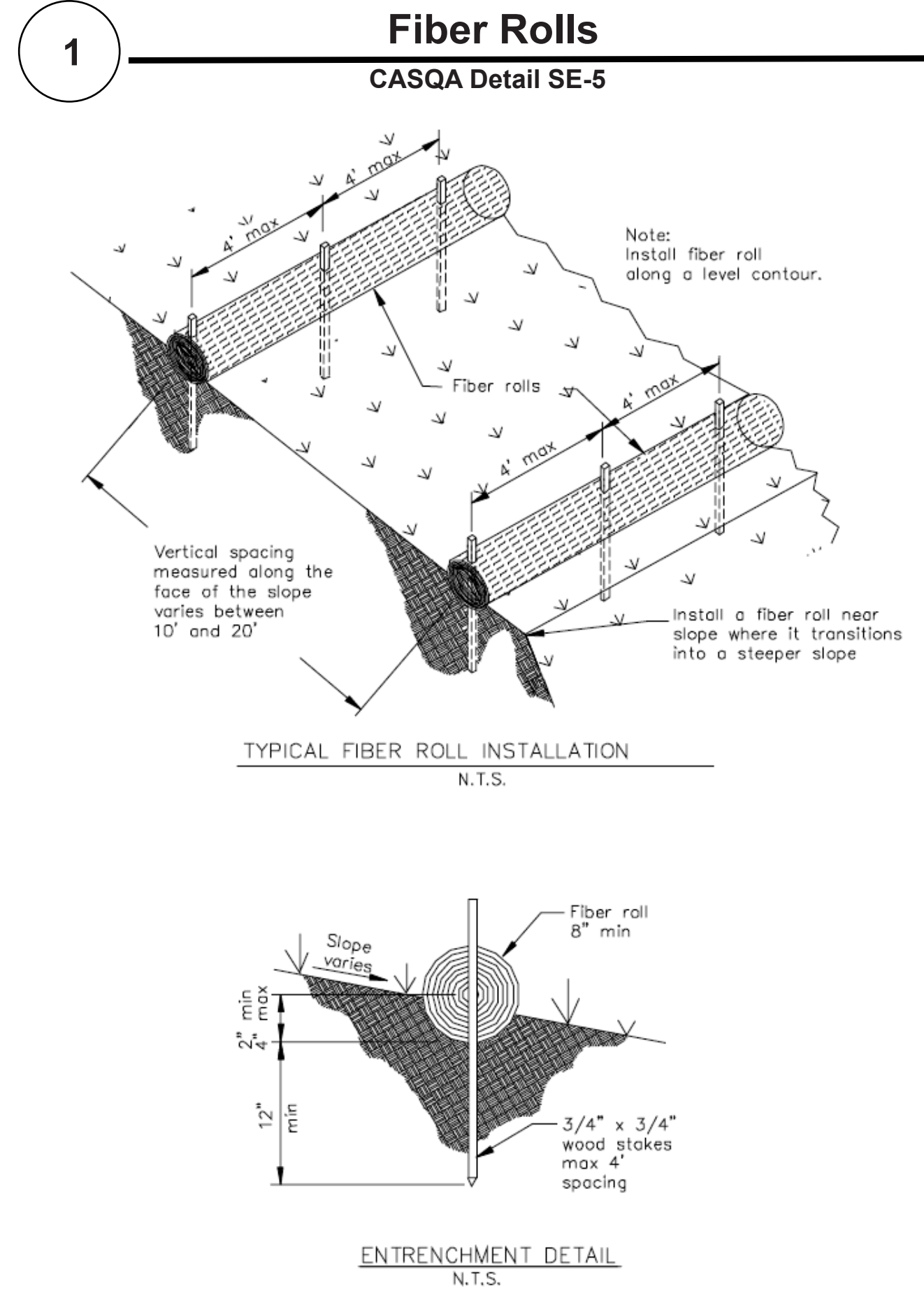
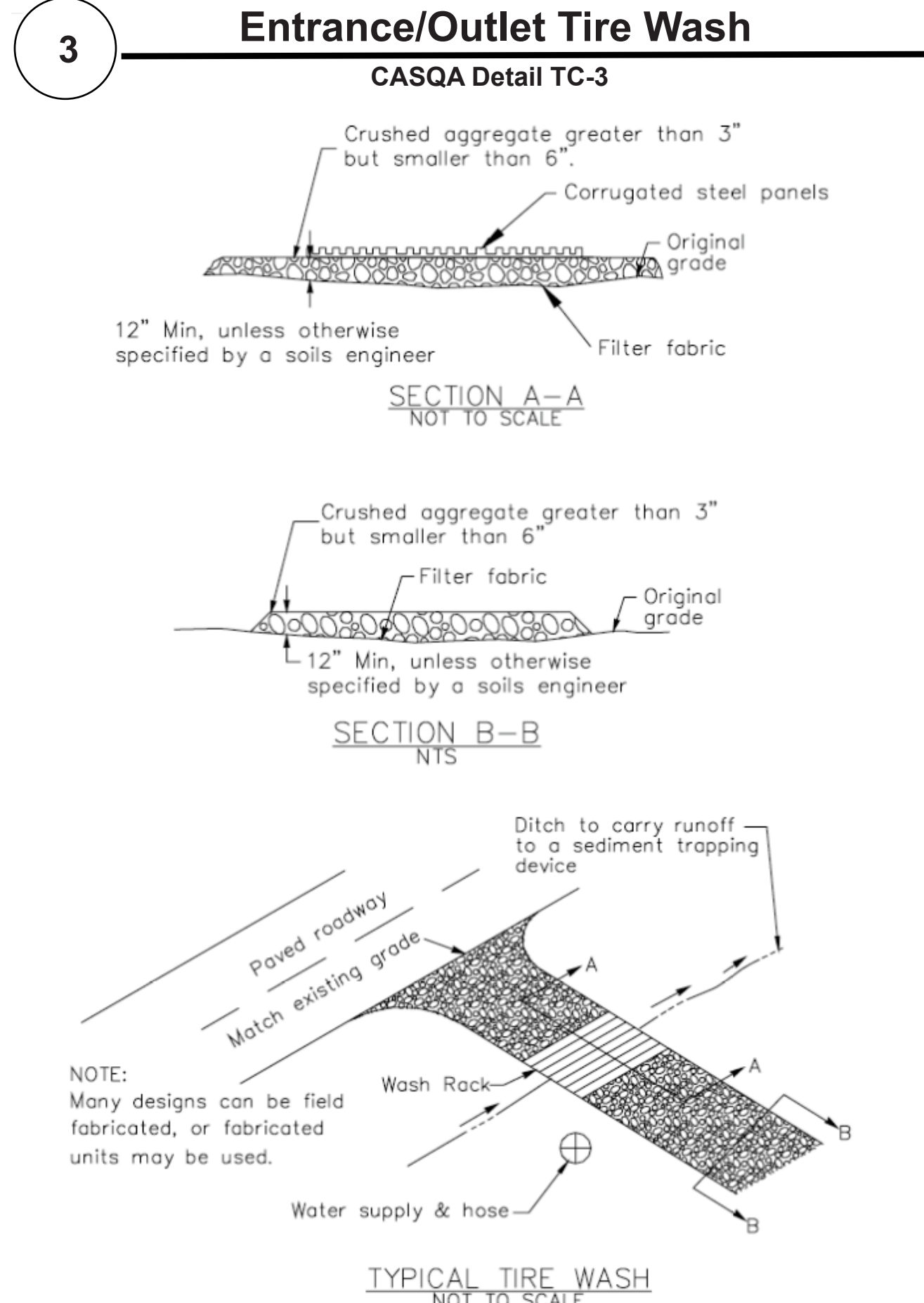
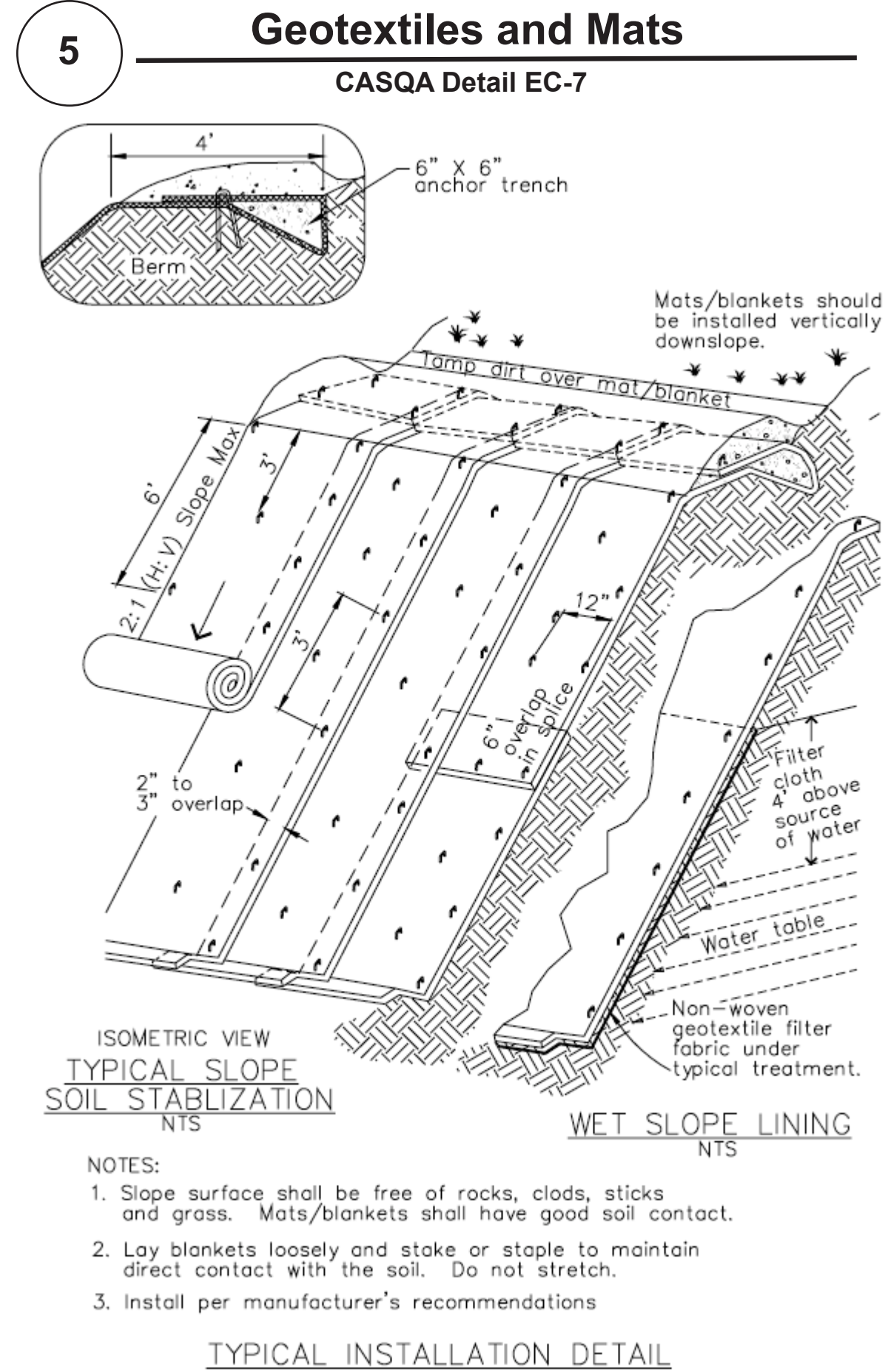
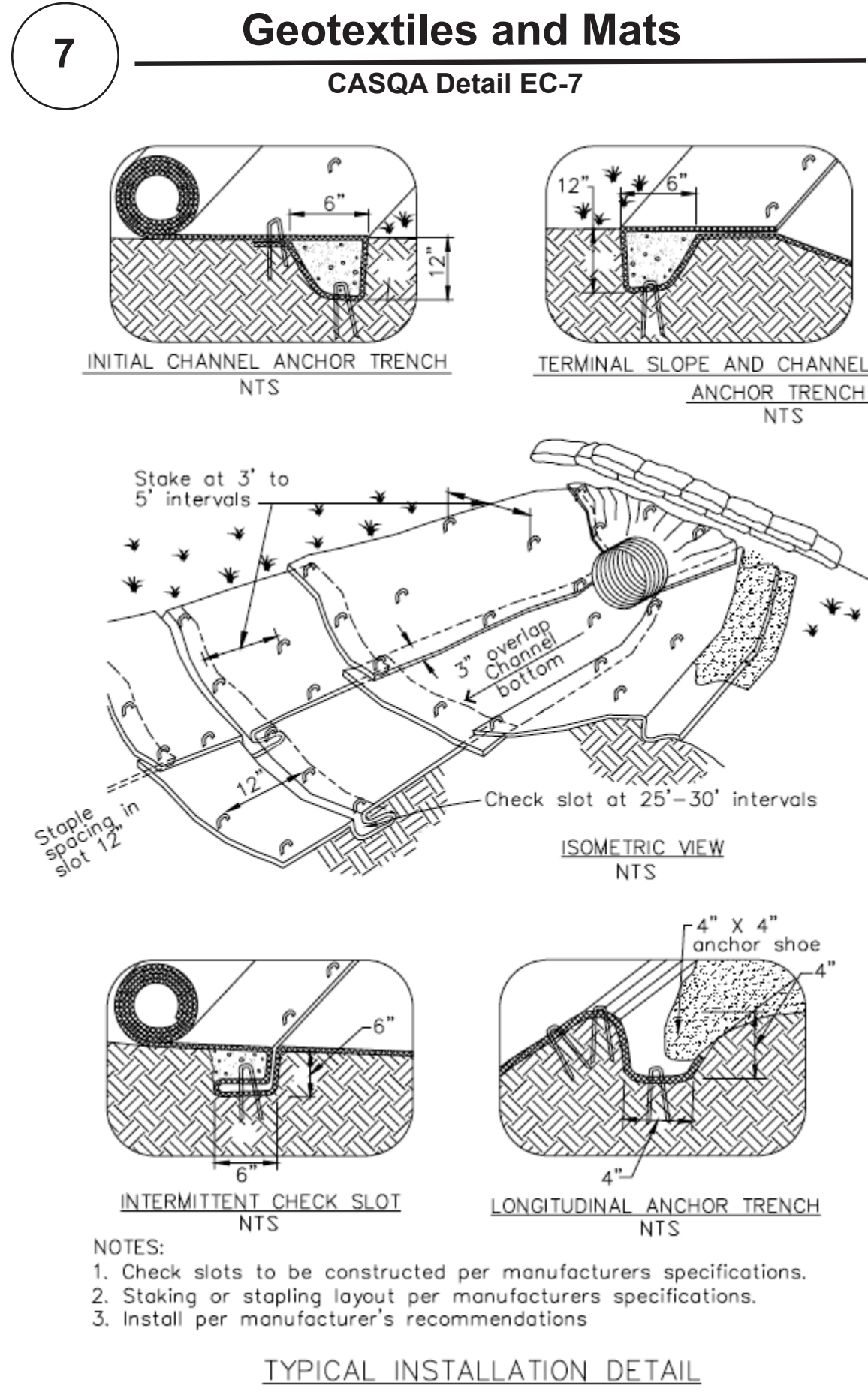
 INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL THIS SHEET

 PROPOSED SLOPE PROTECTION

 PROPOSED STAGING AREA

 PROPOSED STOCKPILE AREA

 PROPOSED SILT FENCE



Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003.
Available from www.cabmphandbooks.com.

APPLICANT: XX ROAD: XX

COUNTY FILE NO: XX

Best Management Practices and Erosion Control Details Sheet 2

County of Santa Clara



BMP-2

Project Information

APPLICANT: RIAZI & WALLS
FOR GRADING MITIGATION
ARASH RIAZI AND JILL WALLS
18252 VINA DRIVE
LOS GATOS, CA 95033
APN: 544-05-032 & 544-03-011
PROJECT 20-040-1

ROAD: VINA DRIVE
COUNTY FILE NO.: VIO20-083