

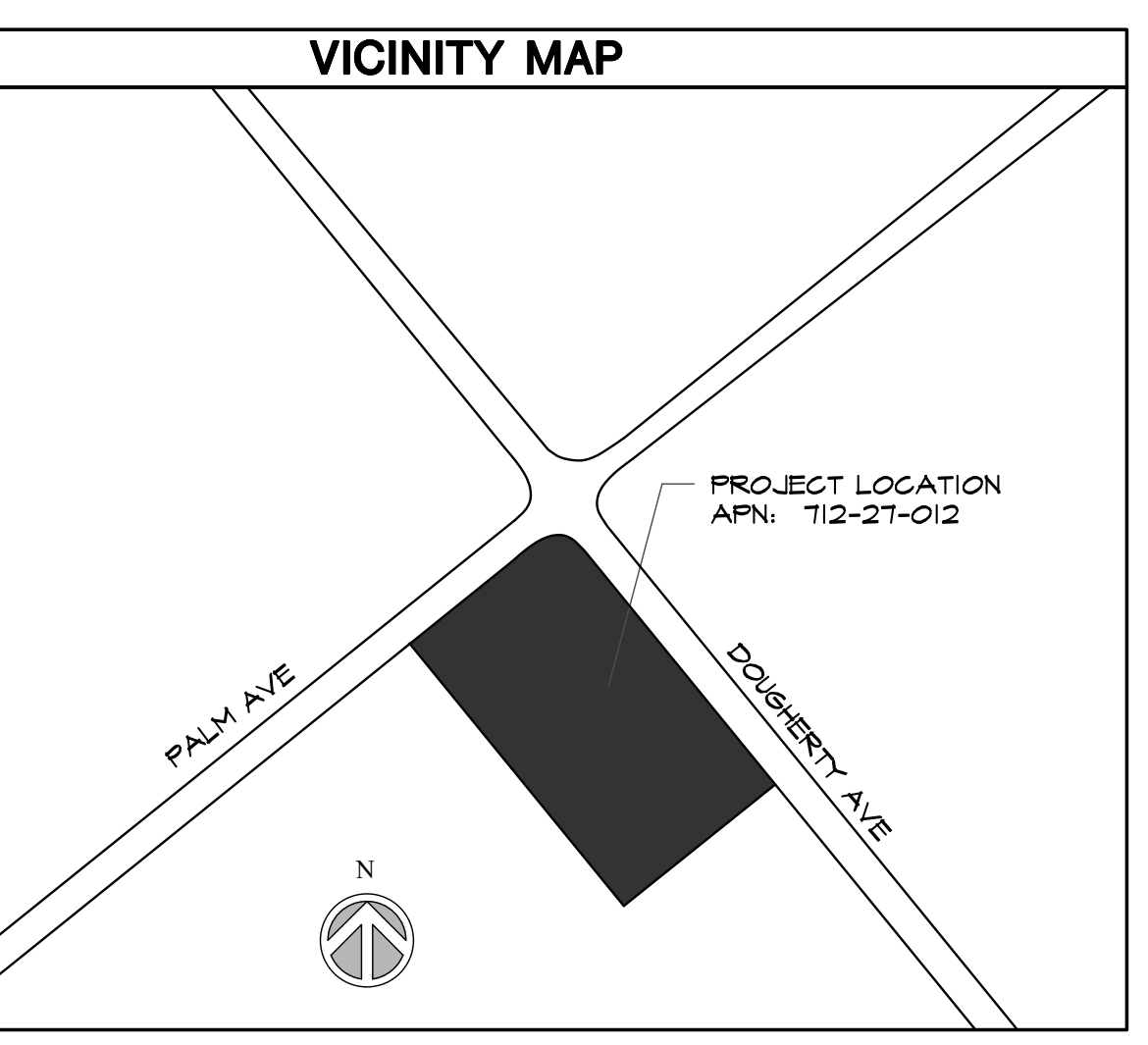
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ABBREVIATIONS: Table with 3 columns: Abbreviation, Description, and Unit/Notes. Includes items like ANCHOR BOLT, ADJUSTABLE, ABOVE, etc.

GENERAL NOTES: List of 19 construction notes regarding chemical toilets, illuminated signs, plan accuracy, construction changes, contractor responsibilities, and hazardous materials.

SINGLE FAMILY RESIDENCE FOR DHADWAL FAMILY
PALM AVE AND DOUGHERTY AVE
MORGAN HILLS, CA 95037
APN - 712-27-012

SITE COORDINATES: Table with columns for Latitude, Longitude, Seismic Item, Value, and CBC Reference. Includes coordinates for the project location.



DESIGN SPECIFICATIONS: Table detailing occupancy types, construction types, governing codes, seismic design categories, and live/dead loads for various parts of the building.

HATCH LEGEND: Table mapping hatch patterns to materials like Steel, Masonry, Aggregate, and Landscape.

APPLICABLE CODES: Table listing applicable codes such as California Building Code, California Plumbing Code, and California Fire Code.

SOLAR REQUIREMENTS: List of 8 requirements for solar energy systems, including service entrance, panel placement, and safety measures.

CLEAN-AIR VEHICLE NOTES: List of 2 requirements for clean-air vehicle facilities, including listed racetrack and EV charging provisions.

DEFERRED SUBMITTALS: List of 1 requirement for fire sprinkler and alarm system, to be submitted as a deferred submittal.

SHEET INDEX: Table listing sheet numbers and descriptions, such as Architectural, Structural, and Mechanical sheets.

STRUCTURAL: Table listing structural notes and details, including standard notes, masonry, and framing details.

ELECTRICAL: Table listing electrical notes, details, and schedules for power, lighting, and guest electrical plans.

MECHANICAL: Table listing mechanical notes and schedules for mechanical plans and details.

PLUMBING: Table listing plumbing schedules and notes, including waste, water, and gas plans.

GRADING: Table listing grading plans, including cover sheet, grading, and erosion control.

SOLAR: Table listing solar cover sheet, site plan, roof layout, and electrical line diagrams.

SEPTIC SYSTEM: Table listing septic system details, including site plan, mound layout, and disposal field details.

OWNER DATA: Contact information for Gurdeep Dhadwal and Rajmang, including address, phone, and email.

DEVELOPMENT AGENCY: Contact information for Santa Clara County, including address, phone, and email.

ENGINEER IN RECORD: Contact information for Ricardo Leal, including address, phone, and email.

MECHANICAL ENGINEER: Contact information for Ali Nehme, including address, phone, and email.

PROJECT DATA: Table providing project details such as APN, site address, zone, construction type, and occupancy.

SITE DATA: Table providing site characteristics including parcel area, acreage, and development requirements.

ALLOWABLE BUILDING AREA ANALYSIS: Table showing allowable building area for different building types and heights.

IMPERVIOUS SURFACES: Table detailing impervious and pervious surface areas for the project.

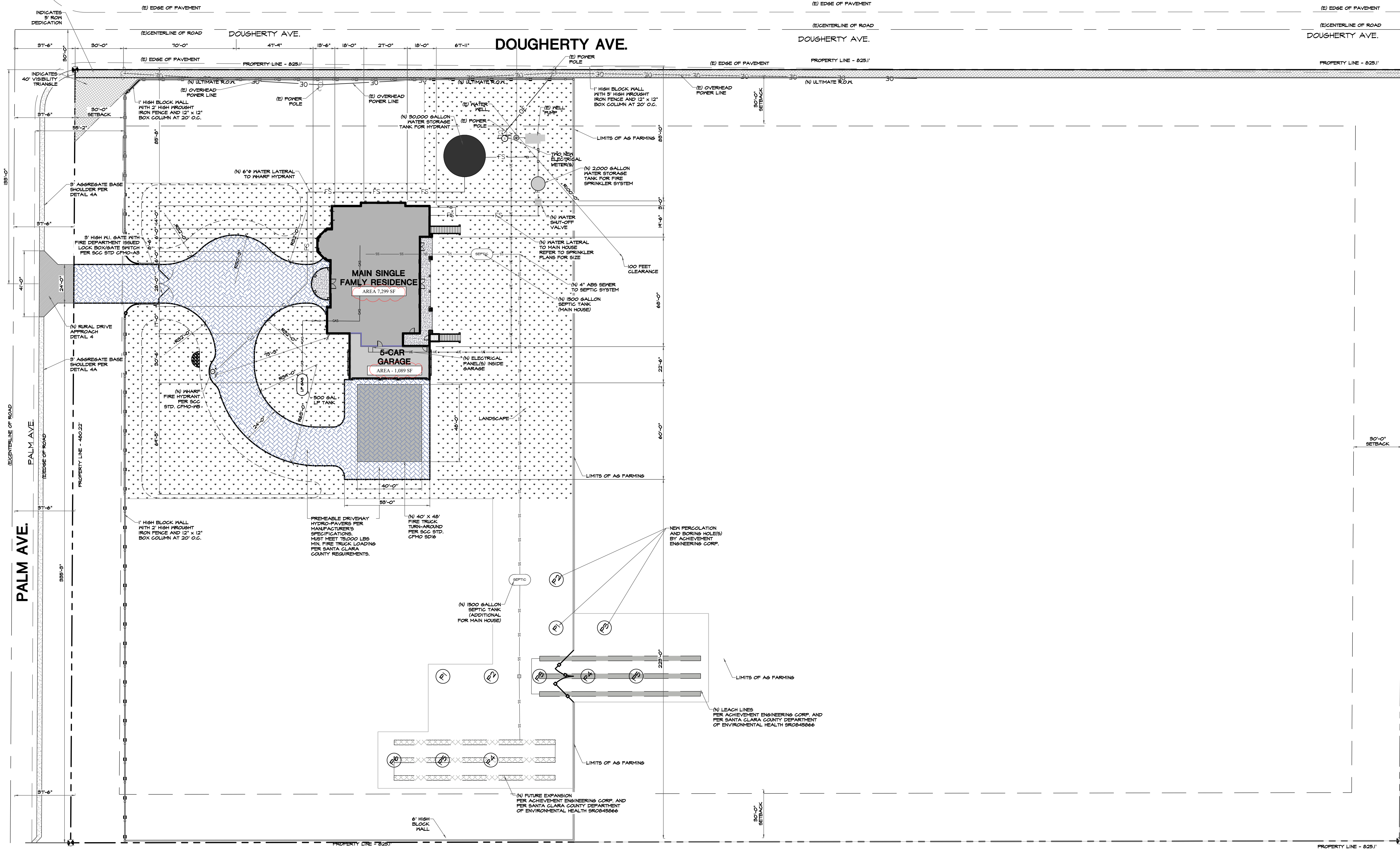
Vertical sidebar containing project information, professional seals for Gurdeep Dhadwal and Ricardo Leal, and a title block with project name, date, and scale.

Table with columns for Ground Snow Load, Wind Design (Speed, Topographic Effects, Seismic Category), Subject to Damage From (Weathering, Frost, Termites), Winter Design Temp, Ice Barrier, Flood Hazards, Air Freezing Index, and Mean Annual Temp.

A1.0

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CIVIL ENGINEERING • LAND SURVEYING • CONSULTING • STRUCTURAL DESIGN • ARCHITECTURAL DRAFTING • COMMERCIAL & RESIDENTIAL BUILDING DESIGN • PLANNING & PROJECT MANAGEMENT



PROJECT

 NEW SINGLE FAMILY RESIDENCE FOR:

 GURDEEP DHADWAL

 PALM AVE AND DOUGHERTY AVE

 MORGAN HILLS, CA 95037

 APN: 712-27-043



DATE SIGNED: 10/18/2024

Revisions	Date

OVERALL SITE PLAN

CVEAS JOB #:

DATE: 10/18/2024

PLANNING SUBMITTAL #: XX-XXXX

PLAN CHECK SUBMITTAL #: XX-XXXX

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SCALE:

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PROJECT

 ARCHITECTURAL DRAFTING

 COMMERCIAL & RESIDENTIAL BUILDING DESIGN

 PLANNING & PROJECT MANAGEMENT

NEW SINGLE FAMILY RESIDENCE FOR:

 GURDEEP DHADWAL

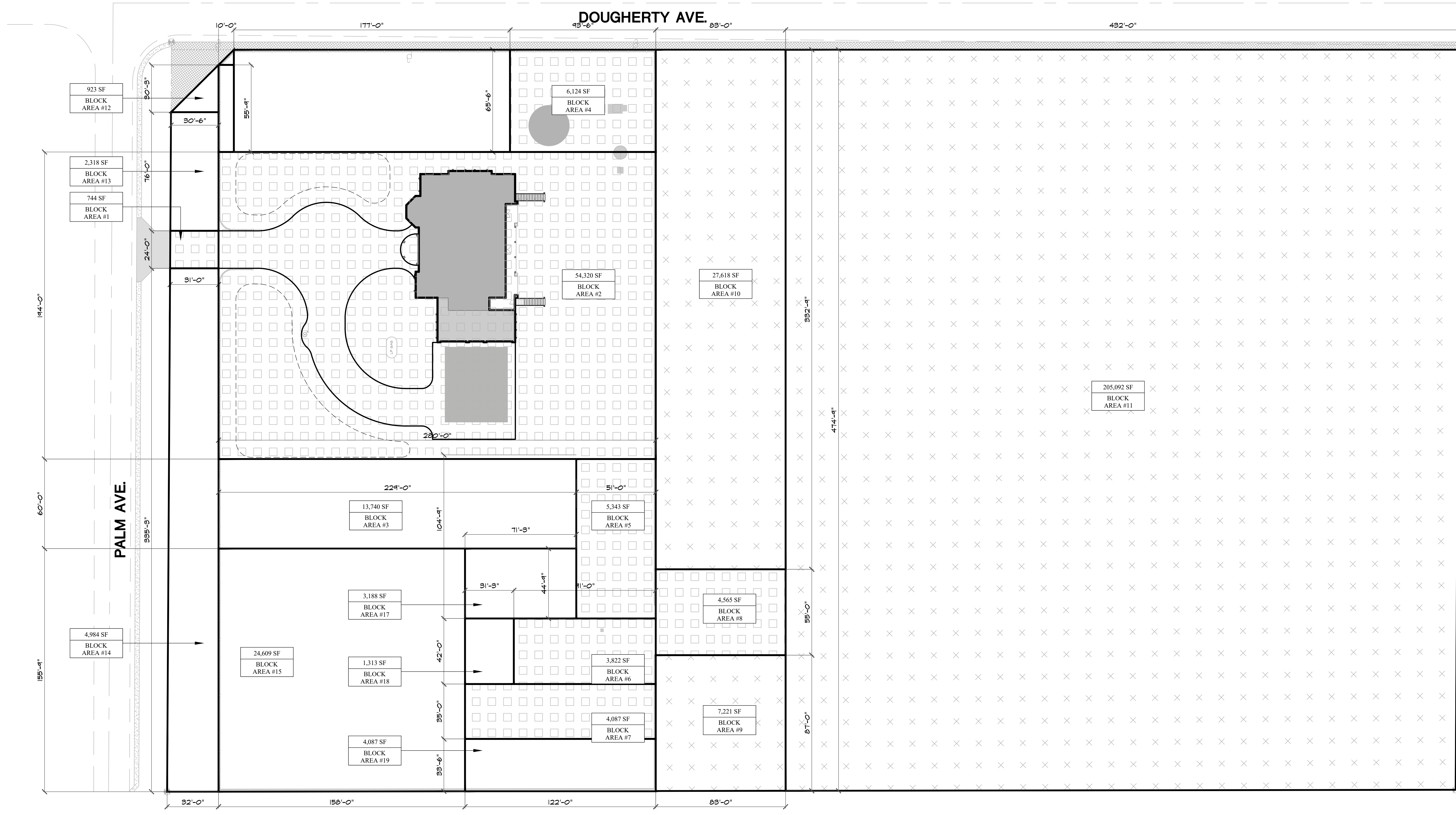
 PALM AVE AND DOUGHERTY AVE

 MORGAN HILLS, CA 95037

 APN: 712-27-043



DATE SIGNED: 10/18/2024



BLOCK SITE PLAN
SCALE: 1/80

BLOCK AREA LEGEND (SITE)						
AREA	QNTY	DIMENSION (FEET)		SF	SF PER AREA	
DEVELOPMENT AREA (2 ACRE OR 87,120 SF MAX.):						
BLOCK AREA 1	1	31'	24'	744		
BLOCK AREA 2	1	280'	194'	54,320		
BLOCK AREA 3	1	224'	60'	13,740		
BLOCK AREA 4	1	93'-6"	65'-6"	6,124		
BLOCK AREA 5	1	51'	104'-4"	5,343		
BLOCK AREA 6	1	41'	42'	3,822		
BLOCK AREA 7	1	122'	33'	4,087		
BLOCK AREA 8	1	83'	55'	4,565		
TOTAL:					82,667	
COYOTE VALLEY CLIMATE RESILIENCE COMBINING DISTRICT REQUIREMENT					2 ACRES MAX.	87,120 SF MAX.
AG AREA (60% MINIMUM):						
BLOCK AREA 9	1	83'	87'	7,221		
BLOCK AREA 10	1	83'	332'-4"	27,618		
BLOCK AREA 11	1	492'	474'-4"	205,092		
TOTAL:					239,931	
COYOTE VALLEY CLIMATE RESILIENCE COMBINING DISTRICT REQUIREMENT					60%	237,448 SF MIN.
REMAINDER OF PROPERTY:						
BLOCK AREA 12	1	30'-6"	30'-3"	461		
BLOCK AREA 13	1	30'-6"	76'	2,318		
BLOCK AREA 14	1	32'	155'-4"	4,984		
BLOCK AREA 15	1	158'	155'-4"	24,609		
BLOCK AREA 16	1	60'	171'	10,260		
BLOCK AREA 17	1	71'-3"	44'-4"	3,188		
BLOCK AREA 18	1	31'-8"	42'	1,313		
BLOCK AREA 19	1	122'	33'-6"	4,087		
TOTAL:					91,220	

Revisions	Date

OVERALL SITE PLAN

CVEAS JOB #:

DATE: 10/18/2024

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PROJECT

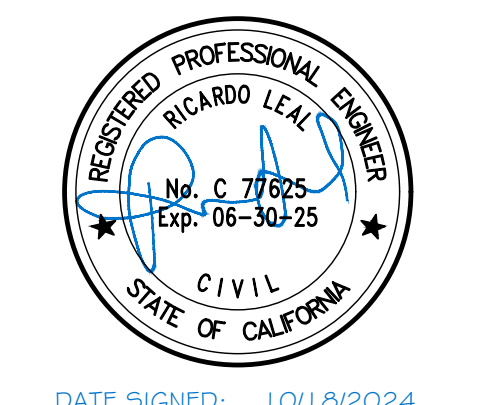
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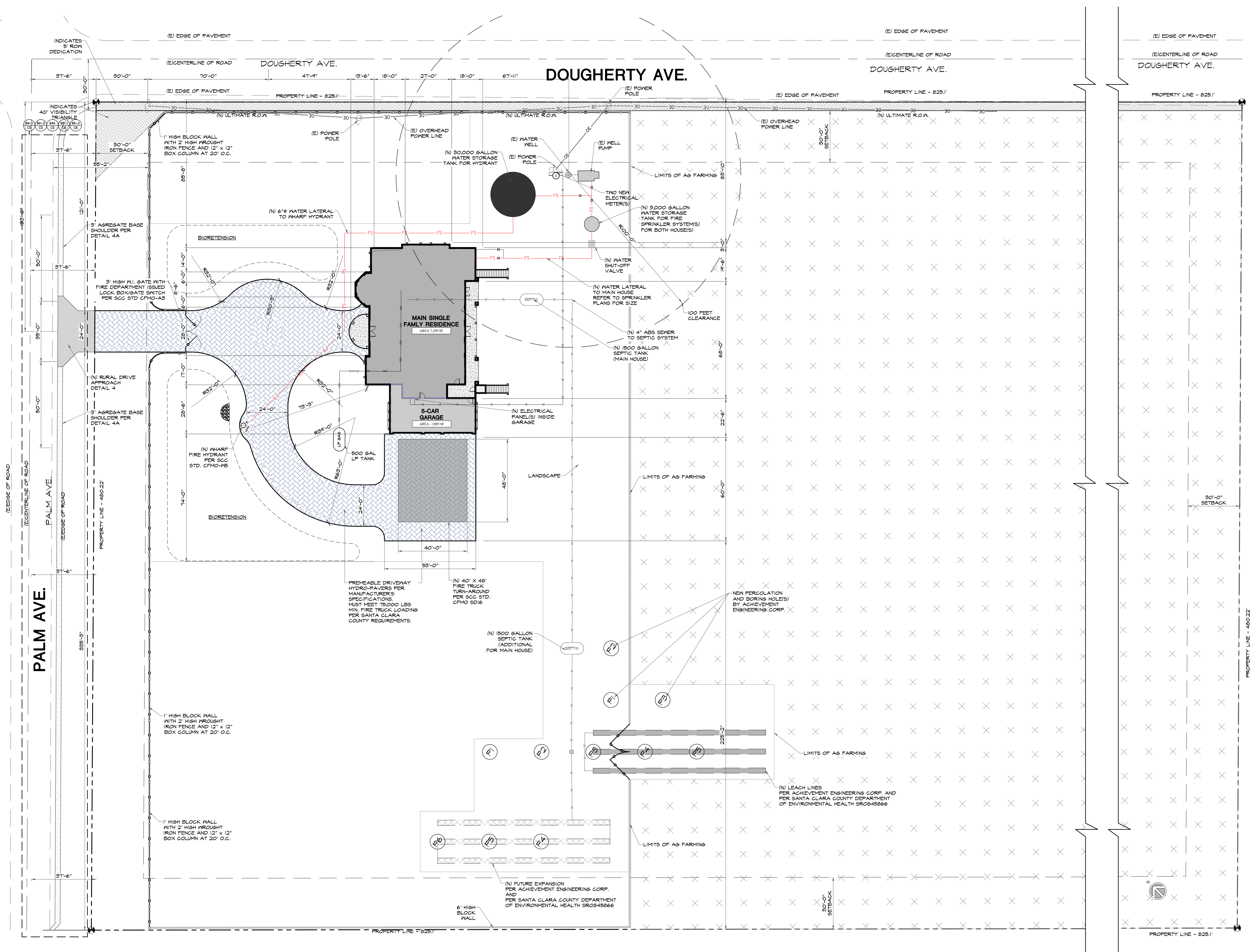
DATE SIGNED: 10/18/2024

Revisions	Date

ENLARGED SITE PLAN

CVEAS JOB #:	
DATE:	10/18/2024
PLANNING SUBMITTAL #:	XX-XXXX
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SCALE:	

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ENLARGE SITE PLAN

 SCALE: 1:20

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- 328.83± ROOF APEX FROM FINISHED GRADE
- 31'-3"[±] ROOF APEX FROM AFF
- 31'-9"[±] ROOF APEX FROM GROUND
- 27'-1" PLATE HGT AT FOYER TOWER
- 23'-9" PLATE HGT AT FOYER
- 20'-3" PLATE HGT AT 2ND FLR
- 14'-0" PLATE HGT AT LIVING RM
- 11'-0" PLATE HGT AT TOWER
- 11'-3" AFF - 2ND
- 10'-0" PLATE HGT AT 1ST FLR
- 8'-0" OPENING HGT
- 0'-0" AFF - 1ST FLR
- 0'-4" GROUND
- 297.08 FINISHED GRADE PER CIVIL PLANS



- 27'-1"[±] PLATE HGT - FOYER TOWER
- 23'-9"[±] PLATE HGT - FOYER
- 21'-9.75"[±] PLATE HGT - 2ND FLR SIDE TOWER
- 20'-3"[±] PLATE HGT - 2ND FLR
- 13'-0.5"[±] PLATE HGT AT GARAGE TOWER
- 12'-0" PLATE HGT AT GARAGE
- 8'-0" OPENING HGT
- 0'-2" AFF - GARAGE FLR
- 0'-6" GROUND
- 296.91 FINISHED GRADE PER CIVIL PLANS

FRONT ELEVATION - EAST

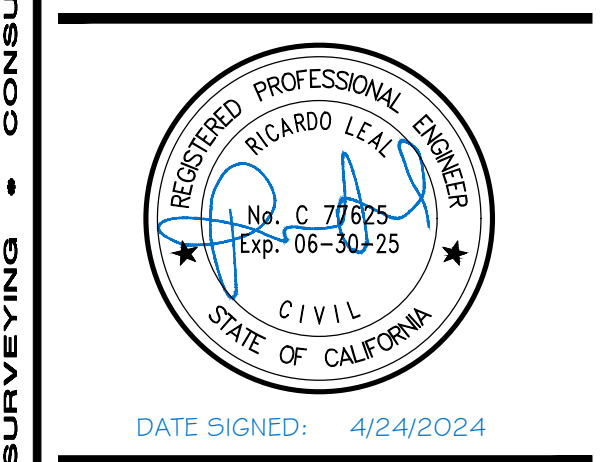
SCALE: 3/16" = 1'-0"

1

COLOR SCHEDULE	
A	STUCCO #1: 3-LAYERED STUCCO FINISH COLOR - SATO14 - EIDER WHITE OR EQUAL
B	ROOFING MATERIAL: SPANISH TILE
C	STONE VENEER: EL DORADO STONE VANTAGE 30 COLOR - WHITE ELM
D	METAL SIDING: METAL CLADDING SYSTEM FLAT LOCK COLOR - MATTE BLACK STEEL OR EQUAL INSTALL PER MANUFACTURER'S SPECS AND INSTALLATION INSTRUCTIONS. REFER TO DETAILS ON D11.
E	CORNICE FINISH: SHERWIN WILLIAMS SATO20 COLOR - BLACK FOX OR EQUAL
F	TRIM FINISH: SHERWIN WILLIAMS SATO20 COLOR - BLACK FOX OR EQUAL

ELEVATION KEYED NOTES	
1	3 COAT STUCCO SMOOTH FINISH #1 (4 COLORS); 7/8" MIN. THICKNESS OVER 1/8" X 1 1/2" HEXAGONAL PAPER BACKED WIRE LATH OVER 2-LAYERS OF TYPE "D" PAPER UNDER-LAYMENT OVER PLYWOOD.
2	REFER TO KEEP SCREED DETAIL 1/D1 FOR EXTERIOR WALLS. REFER TO KEEP SCREED DETAIL 2/D1 FOR STEM WALLS. REFER TO KEEP SCREED DETAILS 3/D1 FOR BOX COLUMN(S).
3	3 COAT STUCCO SMOOTH FINISH (UNDERSIDE CEILING); 7/8" MIN. THICKNESS OVER 1/8" X 1 1/2" HEXAGONAL PAPER BACKED WIRE LATH OVER 2-LAYERS OF TYPE "D" PAPER UNDER-LAYMENT OVER PLYWOOD.
4	DOOR OPENING - REFER TO DOOR SCHEDULE ON SHEET A3.3 AND DETAIL(S) ON SHEET D2.
5	WINDOW OPENING - REFER TO WINDOW SCHEDULE ON SHEET A3.3 AND DETAIL(S) ON SHEET D2.
6	ROOF MATERIAL - SPANISH TILES - INSTALL PER MANUFACTURER'S SPECS AND INSTRUCTIONS. REFER TO DETAILS ON SHEET D10.
7	FOAM CORNICE UNDER FASCIA. REFER TO DETAIL 8/D1.
8	DOUBLE FOAM TRIM. REFER TO DETAIL 8/D1.
9	STONE VENEER AND TRIM. REFER TO DETAIL 7/D1.
10	BUILT-UP CHIMNEY. REFER TO DETAIL 1, 2, AND 3/D3.
11	COMPOSITE COLUMN. INSTALL PER MANUFACTURER'S SPECS AND INSTALLATION MANUAL.
12	2X FASCIA. REFER TO DETAIL 8/D1.
13	44" HIGH HALF WALL W/ STUCCO FINISH. REFER STUCCO NOTE #1 ABOVE.
14	44" HIGH GUARD RAIL(S). MUST RESIST 200 LBS FORCE. REFER TO DETAIL 8/D3.
15	24" X 24" DECK COLUMN WITH FOAM OR WOOD CAP. REFER TO DETAIL 7/D3.

PROJECT
**NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AVE AND DOUGHERTY AVE
MORGAN HILLS, CA 95037
APN: 712-27-043**



Revisions	Date

ELEVATIONS MAIN HOUSE	
CVEAS JOB #:	
DATE:	4/24/2024
PLANNING SUBMITTAL #:	XX-XXXX
PLAN CHECK SUBMITTAL #:	XX-XXXX
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SCALE:	

- 23'-9" PLATE HGT - 2ND FLR REAR TOWER
- 20'-3" PLATE HGT - 2ND FLR
- 13'-0" PLATE HGT AT GARAGE TOWER
- 11'-4" 2ND FLR DECK
- 10'-0" PLATE HGT - 1ST FLR
- 8'-0" OPENING HGT - 1ST FLR
- 0'-0" AFF - 1ST FLR
- 0'-4" GROUND
- 296.91 FINISHED GRADE PER CIVIL PLANS



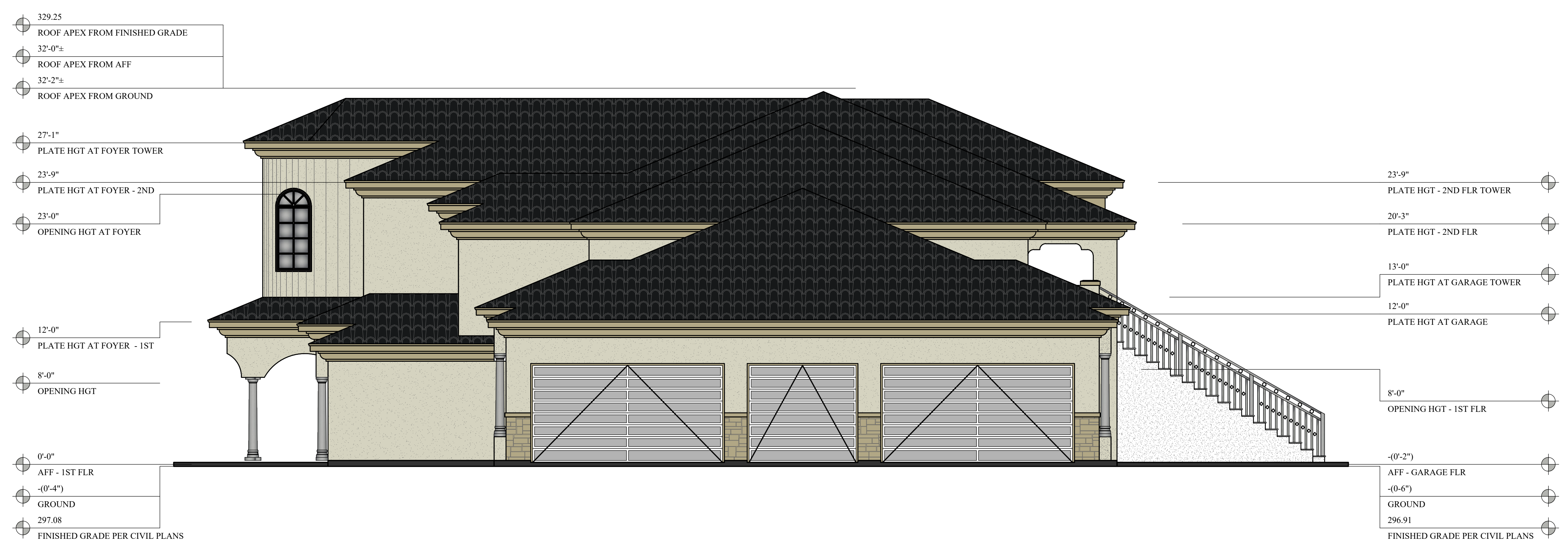
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- 12'-0" PLATE HGT AT FOYER - 1ST
- 10'-0" OPENING HGT AT LVNG RM
- 0'-0" AFF - 1ST FLR
- 0'-4" GROUND
- 296.91 FINISHED GRADE PER CIVIL PLANS

LEFT SIDE ELEVATION - SOUTH

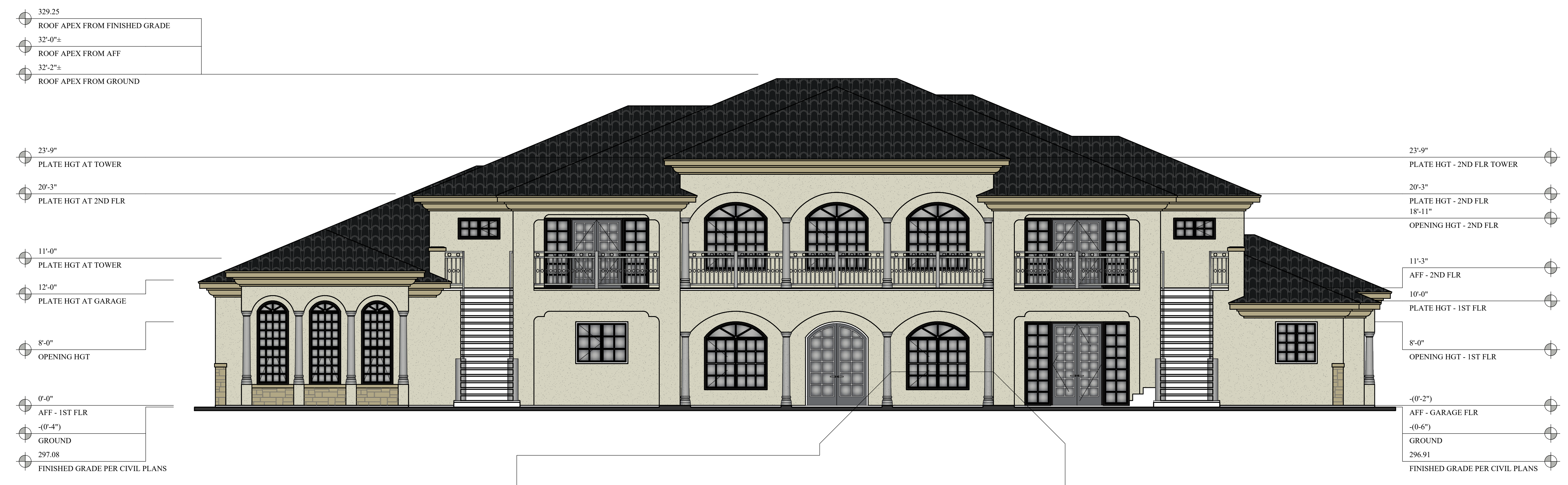
SCALE: 3/16" = 1'-0"

2

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RIGHT SIDE ELEVATION - NORTH 3
SCALE: 3/16" = 1'-0"

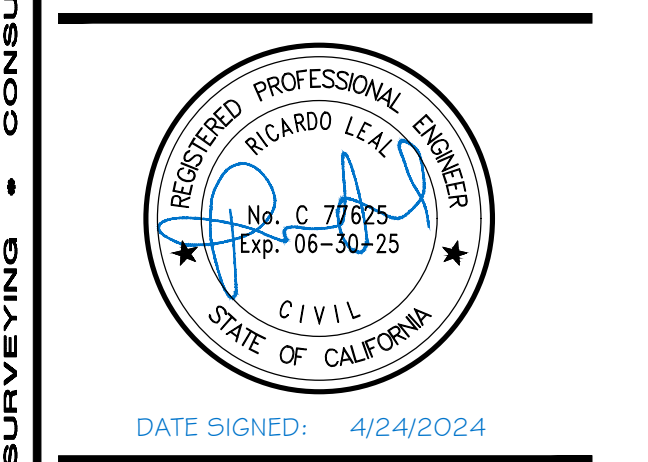


REAR ELEVATION - WEST 4
SCALE: 3/16" = 1'-0"

COLOR SCHEDULE	
A	STUCCO #1: 3-LAYERED STUCCO FINISH COLOR - SATO14 - EIDER WHITE OR EQUAL
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ELEVATION KEYED NOTES	
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2	REFER TO KEEP SCREED DETAIL 1/D1 FOR EXTERIOR WALLS. REFER TO KEEP SCREED DETAIL 2/D1 FOR STEM WALLS. REFER TO KEEP SCREED DETAILS 3/D1 FOR BOX COLUMN(S).
3	3 COAT STUCCO SMOOTH FINISH (UNDERSIDE CEILING). 7/8" MIN. THICKNESS OVER W-IRB LATH OVER 2-LAYERS OF TYPE "D" PAPER UNDER-LAYMENT OVER PLYWOOD.
4	DOOR OPENING - REFER TO DOOR SCHEDULE ON SHEET A3.3 AND DETAIL(S) ON SHEET D2.
5	WINDOW OPENING - REFER TO WINDOW SCHEDULE ON SHEET A3.3 AND DETAIL(S) ON SHEET D2.
6	ROOF MATERIAL - SPANISH TILES - INSTALL PER MANUFACTURER'S SPECS AND INSTRUCTIONS. REFER TO DETAILS ON SHEET D10.
7	FOAM CORNICE UNDER FASCIA. REFER TO DETAIL 8/D1.
8	DOUBLE FOAM TRIM. REFER TO DETAIL 8/D1.
9	STONE VENEER AND TRIM. REFER TO DETAIL 7/D1.
10	BUILT-UP CHIMNEY. REFER TO DETAIL 1, 2, AND 3/D3.
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12	2x FASCIA. REFER TO DETAIL 8/D1.
13	44" HIGH HALF WALL W/ STUCCO FINISH. REFER STUCCO NOTE #1 ABOVE.
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PROJECT
**NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AVE AND DOUGHERTY AVE
MORGAN HILLS, CA 95037
APN: 712-27-043**



Revisions	Date

ELEVATIONS MAIN HOUSE	
CVEAS JOB #:	
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SCALE:	

GENERAL NOTES

1. INSTALL 12-INCH HIGH ADDRESS POSTING FROM THE STREET. THE SIGN SHALL BE TACTILE WITH SUITE NUMBERS IN RAISED NUMBERS AND BRAILLE AT THE MAIN ENTRY.
2. THERE SHALL BE NO VERTICAL OFFSET GREATER THAN 1/2 INCH ALONG THE ENTIRE PATH OF TRAVEL FROM THE PUBLIC WAY.
3. FINGER JOINTED STUDS IN STRUCTURAL WALLS (BEARING OR SHEAR) SHALL BE APPROVED AND ARE NOT ALLOWED IN HOLD-DOWN LOCATIONS.
4. PROVIDE THE FOLLOWING FOR FLOORS AND WALLS IN WATER CLOSET COMPARTMENTS AND SHOWERS:
 - A. FLOORS: TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 5 INCHES.
 - B. WALLS: WALLS WITHIN 2 FEET OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD ABSORBENT SURFACE OF PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER SMOOTH, HARD, NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET. THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.
 - C. ACCESSORIES PROVIDED ON OR WITHIN RESTROOM WALLS SHALL BE INSTALLED AND SEALED TO PROTECT THE STRUCTURAL ELEMENTS FROM MOISTURE.
5. FASTENERS IN PRESERVATIVE-TREATED WOOD SHALL BE APPROVED SILICON BRONZE OR COPPER, STAINLESS STEEL OR HOT-DIPPED ZINC-COATED GALVANIZED STEEL.
6. ALL FINISHED MATERIALS (ADHESIVE SEALANTS, CAULKS, PAINTS, CARPETS, RESILIENT FLOORING, COMPOSITE WOOD PRODUCTS) SHALL COMPLY WITH CAL-GREEN 5.504.4.
7. THIS PROJECT HAS BEEN DESIGNATED WITH A UNIFORM LOAD OF 15 POUNDS PER SQUARE-FOOT TO SUPPORT THE ADDED LOADS OF A FIRE-SPRINKLER SYSTEM. THE MAIN FRAMING MEMBERS HAVE BEEN DESIGNED TO SUPPORT THE CONCENTRATED LOADS OF A SPRINKLER SYSTEM.
8. PROVIDE FIRE BLOCKING AT ALL FLOOR AND CEILING LEVELS AND AT TEN-FOOT INTERVALS.
9. THE ATTIC ACCESS SHALL BE WEATHER STRIPPED & INSULATED TO R-30, ON THE ACCESS PANEL.
10. CEILING HEIGHT SHALL BE 8'-0" MIN, UNLESS NOTED OTHERWISE.
11. 1/2" SHEET ROCK @ ALL WALLS, CEILINGS, AND GARAGE. FOR NAILING, REFER TO NAILING SCHEDULE ON SHEET ----.
12. ALL WEATHER STRIPPING, CAULKING, AND SEALING OF EXTERIOR DOOR(S), WINDOW(S), AND BUILDING ENVELOPE OPENINGS, AS REQUIRED BY STANDARDS, SHALL BE SUBJECT FIELD INSPECTION.
13. OPEN-ABLE WINDOW AREA SHALL BE GREATER THAN OR EQUAL TO ONE-SIXTEENTH (1/16) OF THE FLOOR AREA. (CBC 1203.3).
14. POWER DRIVEN FASTENERS RAM-LET PINS NO. 9390 @ BEARING WALLS 18" O.C. & NON-BEARING WALLS.
15. ALL WINDOW/DOOR FLASHING REFER TO FLASHING DETAIL #4 ON SHEET D1.
16. PROVIDE A 12"x12" MIN. OPENING FOR TUB EQUIPMENT ACCESS PANEL.
17. SHOWERS MUST HAVE THE FOLLOWING:
 1. A MIN. INSIDE CLEAR DIMENSION OF 30 INCHES WITH A MINIMUM TOTAL AREA OF 1.024 SQ. IN.
 2. MUST HAVE WATERPROOF WALL FINISH @ 10 INCHES ABOVE THE SHOWER DRAIN.
 3. SHOWER CURTAINS OR ENCLOSURES ARE REQUIRED.
 4. SHOWER DOORS MUST BE AT LEAST 22 INCHES WIDE.
18. PROVIDE A PEDESTRIAN EXIT FROM THE GARAGE OF THE SIZE TO PERMIT THE INSTALLATION OF A 36"x80" DOOR AND THE HARDWARE MAY NOT BE LOCKABLE.
19. PROVIDE 5/8" TYPE 'X' GYPSUM BOARD ON GARAGE SIDE OF FIREWALL BETWEEN THE GARAGE AND THE DWELLING UNIT AND ITS ATTIC FROM FLOOR TO ROOF. SHEATHING: PROVIDE 5/8" TYPE 'X' GYPSUM BOARD ON GARAGE SIDE OF THE CEILING/FLOOR SYSTEM WHEN THERE IS HABITABLE AREA ABOVE GARAGE. THE FIRE BARRIER MAY TERMINATE AT THE CEILING WHERE FIRE BARRIER IS HORIZONTAL AND ALL STRUCTURAL MEMBERS SUPPORT FIRE BARRIER ARE PROTECTED BY FIRE RESISTANT CONSTRUCTION NOT LESS THAN 5/8" GYPSUM BOARD OR EQUIVALENT.
20. ALL DROP-IN TUBS SHALL BE JETTED OR SOAKING TUB ONLY.
21. UPPER CABINETS SHALL BE A MINIMUM OF 18 INCHES ABOVE FINISHED DECK OR THE HOOD IS TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS WITH CLEARANCES AS REQUIRED BY THE RANGE/COOKTOP MANUFACTURER'S INSTALLATION INSTRUCTIONS.
22. ALL RADIUS WALL(S) MUST BE 3/4" FLYWOOD SINGLE AT BOTTOM AND DOUBLE AT TOP.
23. ALL GLASS IN DOORS MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.
24. ALL TUB/SHOWER ENCLOSURE AND GLAZING WITHIN 60 INCHES FROM BOTTOM OF TUB/SHOWER MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.
25. GAS APPLIANCE INSERT WITH STANDING PILOT SHALL COMPLY WITH TABLE 4-2 OF THE 2023 CGC.
26. PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT JOB SITE FOR INSPECTION FOR THE FIREPLACE/WOODSTOVE.
27. PROPANE LOG LIGHTERS ARE NOT ALLOWED.
28. WOOD-BURNING OPEN-HEARTH FIREPLACES (WHICH INCLUDES ALL SOLID-FUEL WOOD-BURNING FIREPLACES, FIRE-PITS, AND BARBECUES) ARE NOT ALLOWED IF PROPERTY IS BELOW 3000 FEET IN ELEVATION.
29. SHOWER DOORS MUST BE AT LEAST 32 INCHES IN WIDTH.

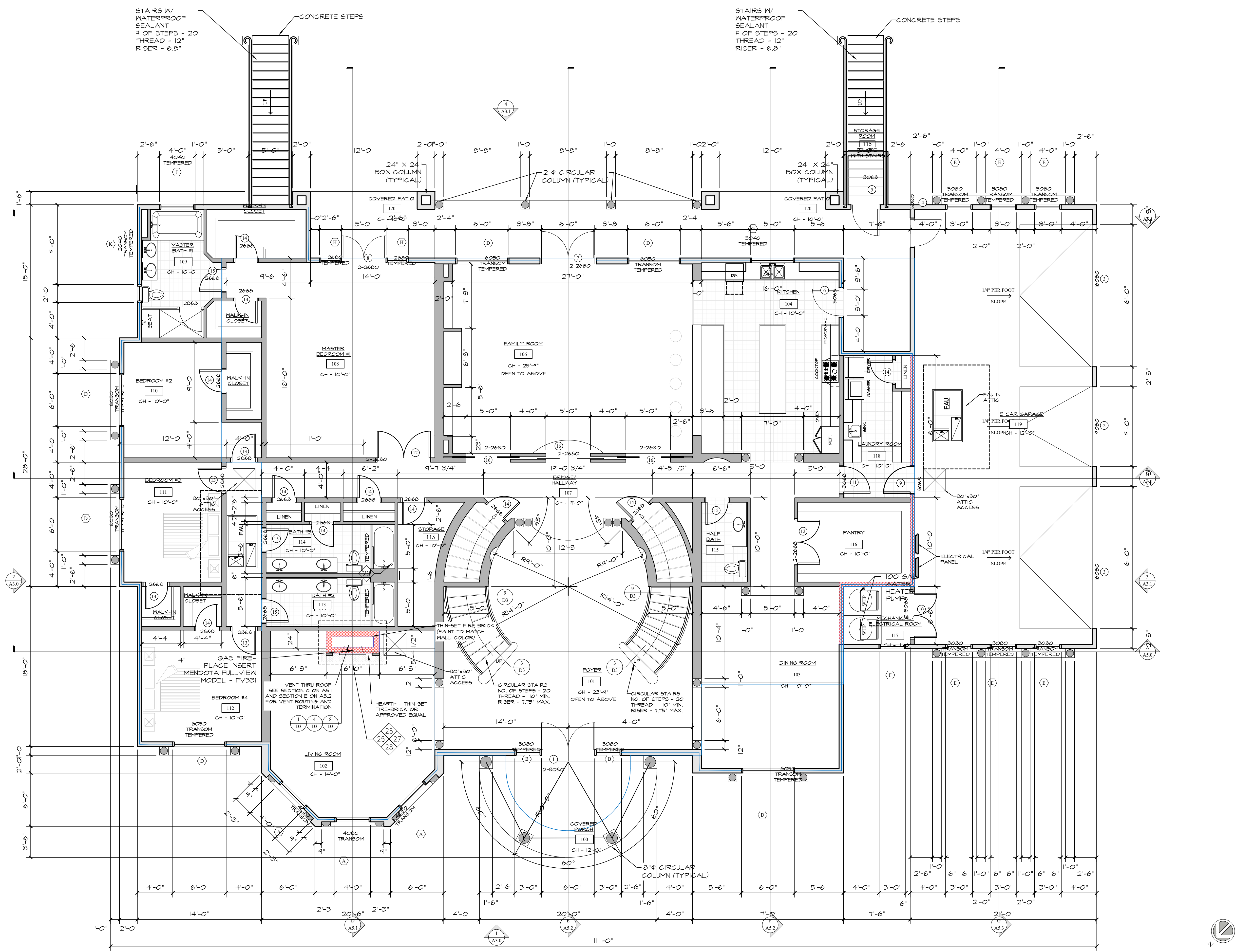
WALL LEGEND

- NEW EXTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EXTERIOR SIDE - 3-LAYERED STUCCO FINISH 1/8" MIN THICKNESS OVER 1/2 GA. X 1/2" HEXAGONAL PAPER-BACKED WIRE LATH OVER 2-LAYERS OF TYPE 'D' PAPER UNDER-LAYMENT OVER FLYWOOD. INTERIOR SIDE - 1/2" GYPSUM BD. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.
- NEW 1 HOUR FIRE-RATED WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 5/8" GYPSUM TYPE 'X' CEILING - 1/2" GYPSUM BD. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.
- NEW DOUBLE EXTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EXTERIOR SIDE - 3-LAYERED STUCCO FINISH 1/8" MIN THICKNESS OVER 1/2 GA. X 1/2" HEXAGONAL PAPER-BACKED WIRE LATH OVER 2-LAYERS OF TYPE 'D' PAPER UNDER-LAYMENT OVER FLYWOOD. INTERIOR SIDE - 1/2" GYPSUM BD. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.
- NEW INTERIOR WALL - 2x4 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 1/2" GYPSUM BD.
- NEW INTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 1/2" GYPSUM BD.
- NEW DOUBLE INTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 1/2" GYPSUM BD.
- NEW 1 HOUR FIRE-RATED GARAGE WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. GARAGE SIDE - 5/8" GYPSUM TYPE 'X' DWELLING SIDE - 5/8" GYPSUM BD. CEILING - 5/8" GYPSUM TYPE 'X' ON CEILING IF HABITABLE SPACE ABOVE. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.

FLOOR PLAN - 1ST FLOOR

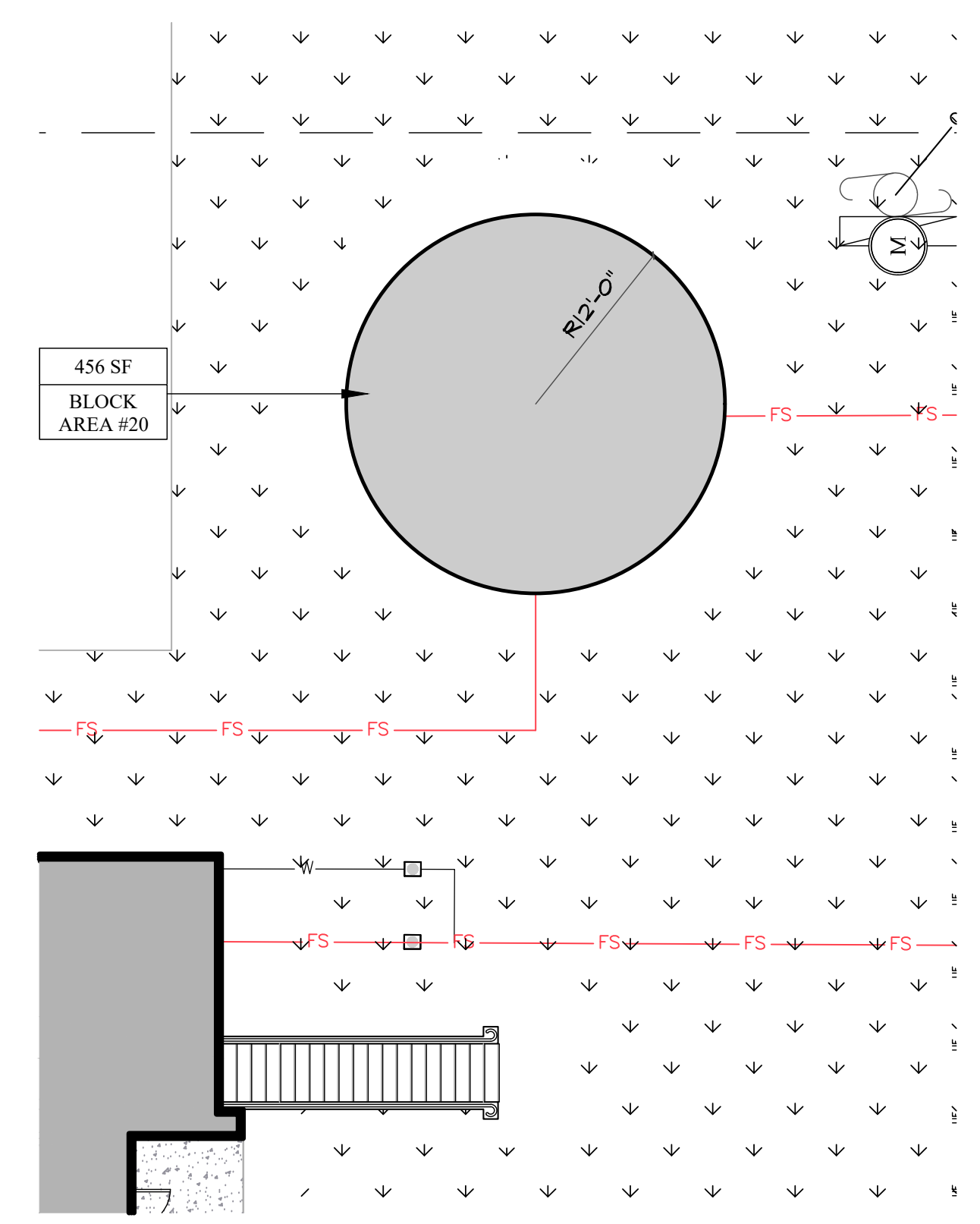
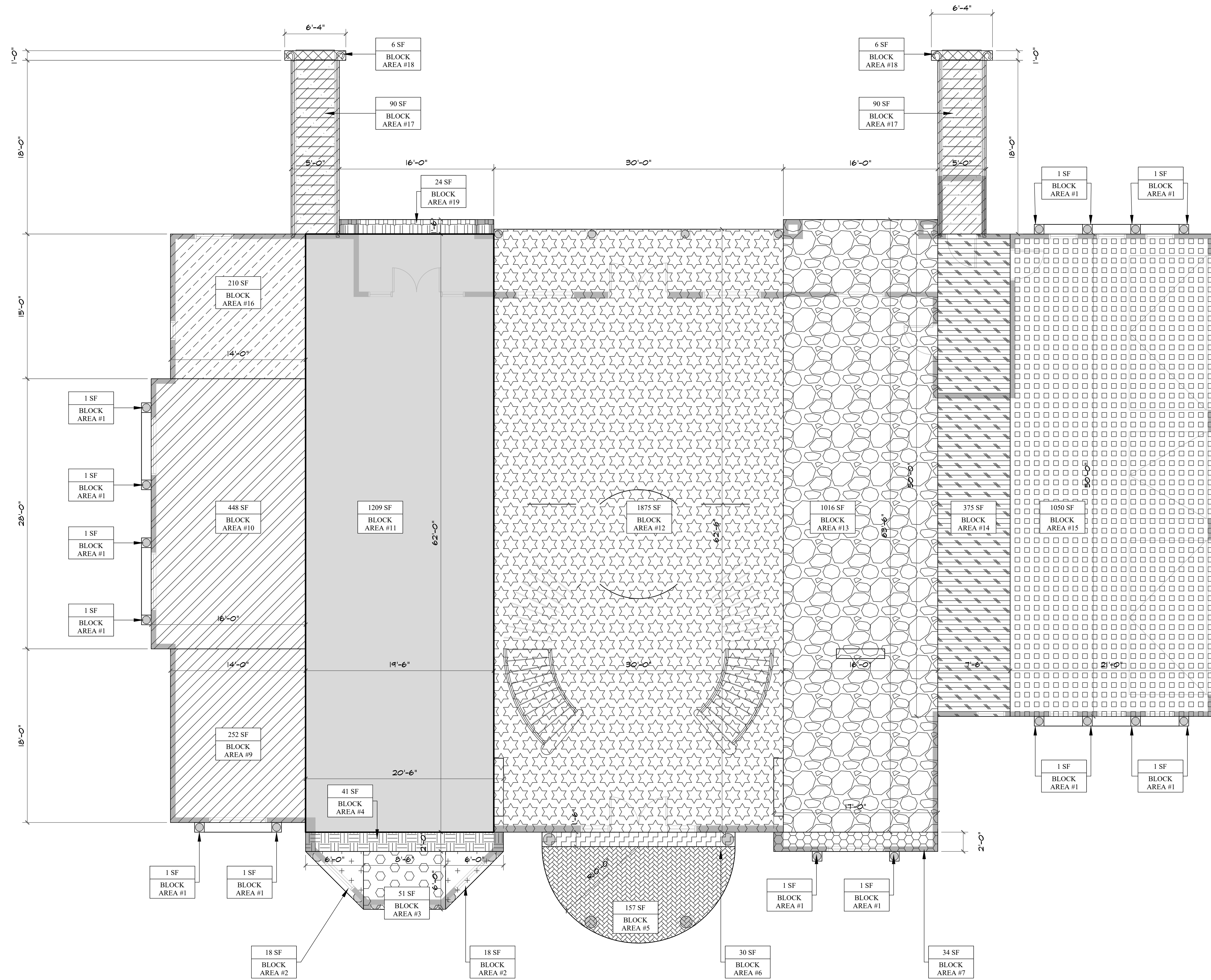
SCALE: 3/16" = 1'-0"

INSULATION LEGEND	
DESCRIPTION	TYPE
WALL INSULATION	R-19
ROOF INSULATION	R-30



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BLOCK #20 - WATER STR TANK PAD
SCALE: 1/10

BLOCK AREA LEGEND (1ST FLOOR)							
AREA	QNTY		DIMENSION (FEET)		SF PER AREA		
BLOCK AREA 1	1	16	X	1'	X	1'	16
BLOCK AREA 2	2	2	X	6'	X	6'	18
BLOCK AREA 3	1	X	8'-6"	X	6'	51	
BLOCK AREA 4	1	X	20'-6"	X	2'	41	
BLOCK AREA 5	1	X	20'	X	10'	187	
BLOCK AREA 6	1	X	20'	X	1'-6"	30	
BLOCK AREA 7	1	X	17'	X	2'	34	
BLOCK AREA 8	N/A	N/A	N/A	N/A	N/A	N/A	
BLOCK AREA 9	1	X	14'	X	18'	252	
BLOCK AREA 10	1	X	14'-0"	X	19'-6"	1209	
BLOCK AREA 11	1	X	30'	X	62'-6"	1875	
BLOCK AREA 12	1	X	16'	X	63'-6"	1016	
BLOCK AREA 13	1	X	7'-6"	X	50'	375	
BLOCK AREA 14	1	X	21'	X	50'	1050	
BLOCK AREA 15	1	X	14'	X	15'	210	
BLOCK AREA 16	2	X	5'	X	18'	180	
BLOCK AREA 17	2	X	1'	X	6'-4"	18	
BLOCK AREA 18	1	X	16'	X	1'-6"	24	
TOTAL FLOOR AREA-GROUND LEVEL						7,010	
BLOCK AREA 20	1	X	12' RAD.	X	PI*R(SQ)	456	
TOTAL						7,466	

BLOCK AREA PLAN - 1ST FLOOR
SCALE: 3/16" = 1'-0"

PROJECT
 NEW SINGLE FAMILY RESIDENCE FOR:
 GURDEEP DHADWAL
 PALM AVE AND DOUGHERTY AVE
 MORGAN HILLS, CA 95037
 APN: 712-27-043

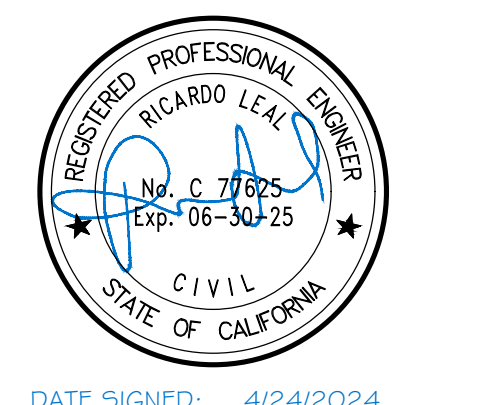
CIVIL ENGINEERING • LAND SURVEYING • CONSULTING • ARCHITECTURAL DRAFTING • COMMERCIAL & RESIDENTIAL BUILDING DESIGN • PLANNING & PROJECT MANAGEMENT



Revisions	Date

BLOCK AREA PLAN
FIRST FLOOR
 CVEAS JOB #: _____
 DATE: 7/26/2024
 PLANNING SUBMITTAL #: XX-XXXX
 PLAN CHECK SUBMITTAL #: XX-XXXX
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: _____

A3.0A



DATE SIGNED: 4/24/2024

Revisions	Date

FLOOR PLAN SECOND FLOOR

CVEAS JOB #: _____

DATE: 4/24/2024

PLANNING SUBMITTAL #: XX-XXXX

PLAN CHECK SUBMITTAL #: XX-XXXX

DRAWN BY: _____

CHECKED BY: _____

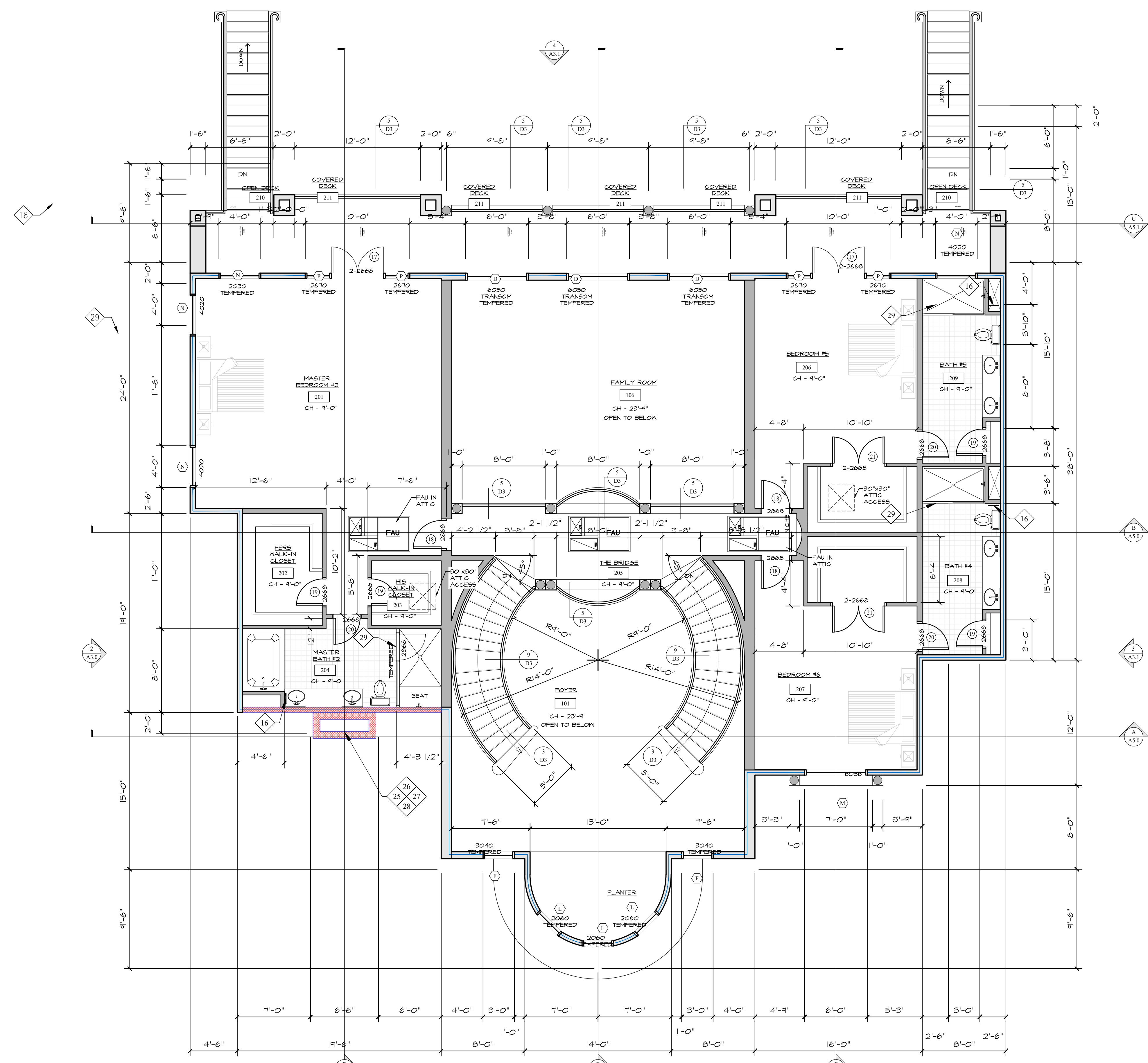
SCALE: _____

GENERAL NOTES

1. INSTALL 12-INCH HIGH ADDRESS POSTING FROM THE STREET. THE SIGN SHALL BE TACTILE WITH SUITE NUMBERS IN RAISED NUMBERS AND BRAILLE AT THE MAIN ENTRY.
2. THERE SHALL BE NO VERTICAL OFFSET GREATER THAN 1/2 INCH ALONG THE ENTIRE PATH OF TRAVEL FROM THE PUBLIC WAY.
3. FINGER JOINTED STUDS IN STRUCTURAL WALLS (BEARING OR SHEAR) SHALL BE APPROVED AND ARE NOT ALLOWED IN HOLD-DOWN LOCATIONS.
4. PROVIDE THE FOLLOWING FOR FLOORS AND WALLS IN WATER CLOSET COMPARTMENTS AND SHOWERS:
 - A. FLOORS: TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 5 INCHES.
 - B. WALLS: WALLS WITHIN 2 FEET OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD ABSORBENT SURFACE OF PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER SMOOTH HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET. THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.
 - C. ACCESSORIES PROVIDED ON OR WITHIN RESTROOM WALLS SHALL BE INSTALLED AND SEALED TO PROTECT THE STRUCTURAL ELEMENTS FROM MOISTURE.
5. FASTENERS IN PRESERVATIVE-TREATED WOOD SHALL BE APPROVED SILICON BRONZE OR COPPER, STAINLESS STEEL OR HOT-DIPPED ZINC-COATED GALVANIZED STEEL.
6. ALL FINISHED MATERIALS (ADHESIVE SEALANTS, CAULKS, PAINTS, CARPETS, RESILIENT FLOORING, COMPOSITE WOOD PRODUCTS) SHALL COMPLY WITH CAL-GREEN 5.504.4
7. THIS PROJECT HAS BEEN DESIGNATED WITH A UNIFORM LOAD OF 15 POUNDS PER SQUARE-FOOT TO SUPPORT THE ADDED LOADS OF A FIRE-SPRINKLER SYSTEM. THE MAIN FRAMING MEMBERS HAVE BEEN DESIGNED TO SUPPORT THE CONCENTRATED LOADS OF A SPRINKLER SYSTEM.
8. PROVIDE FIRE BLOCKING AT ALL FLOOR AND CEILING LEVELS AND AT TEN-FOOT INTERVALS.
9. THE ATTIC ACCESS SHALL BE WEATHER STRIPPED & INSULATED TO R-38, ON THE ACCESS PANEL.
10. CEILING HEIGHT SHALL BE 8'-0" MIN. UNLESS NOTED OTHERWISE.
11. 1/2" SHEET ROCK @ ALL WALLS, CEILINGS, AND GARAGE. FOR NAILING, REFER TO NAILING SCHEDULE ON SHEET -----.
12. ALL WEATHER STRIPPING, CAULKING, AND SEALING OF EXTERIOR DOORS(S), WINDOWS), AND BUILDING ENVELOPE OPENINGS, AS REQUIRED BY STANDARDS, SHALL BE SUBJECT FIELD INSPECTION.
13. OPEN-ABLE WINDOW AREA SHALL BE GREATER THAN OR EQUAL TO ONE-SIXTEENTH (1/16) OF THE FLOOR AREA. (CBC 1203.3).
14. POWER DRIVEN FASTENERS RAM-JET PINS NO. 3930 @ BEARING WALLS 18" O.C. & NON-BEARING WALLS.
15. ALL WINDOW/DOOR FLASHING REFER TO FLASHING DETAIL #4 ON SHEET D1.
16. PROVIDE A 12"x12" MIN. OPENING FOR TUB EQUIPMENT ACCESS PANEL.
17. SHOWERS MUST HAVE THE FOLLOWING:
 1. A MIN. INSIDE CLEAR DIMENSION OF 30 INCHES WITHIN A MINIMUM TOTAL AREA OF 1024 SQ. IN.
 2. MUST HAVE WATERPROOF WALL FINISH UP @ 10 INCHES ABOVE THE SHOWER DRAIN.
 3. SHOWER CURTAINS OR ENCLOSURES ARE REQUIRED.
 4. SHOWER DOORS MUST BE AT LEAST 22 INCHES WIDE.
18. PROVIDE A PEDESTRIAN EXIT FROM THE GARAGE OF THE SIZE TO PERMIT THE INSTALLATION OF A 36"x80" DOOR AND THE HARDWARE MAY NOT BE LOCKABLE.
19. PROVIDE 5/8" TYPE 'X' GYPSUM BOARD ON GARAGE SIDE OF FIREWALL BETWEEN THE GARAGE AND THE DWELLING UNIT AND ITS ATTIC FROM FLOOR TO ROOF. SHEATHING - PROVIDE 5/8" TYPE 'X' GYPSUM BOARD ON GARAGE SIDE OF THE CEILING/FLOOR SYSTEM WHEN THERE IS HABITABLE AREA ABOVE GARAGE. THE FIRE BARRIER MAY TERMINATE AT THE CEILING WHERE FIRE BARRIER IS HORIZONTAL AND ALL STRUCTURAL MEMBERS THAT SUPPORT FIRE BARRIER ARE PROTECTED BY FIRE RESISTANT CONSTRUCTION NOT LESS THAN 5/8" GYPSUM BOARD OR EQUIVALENT.
20. ALL DROP-IN TUBS SHALL BE JETTED OR SOAKING TUB ONLY.
21. UPPER CABINETS SHALL BE A MINIMUM OF 18 INCHES ABOVE FINISHED DECK OR THE HOOD IS TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS WITH CLEARANCES AS REQUIRED BY THE RANGE/COOKTOP MANUFACTURER'S INSTALLATION INSTRUCTIONS.
22. ALL RADIUS WALL(S) MUST BE 3/4" PLYWOOD SINGLE AT BOTTOM AND DOUBLE AT TOP.
23. ALL GLASS IN DOORS MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.
24. ALL TUB/SHOWER ENCLOSURE AND GLAZING WITHIN 60 INCHES FROM BOTTOM OF TUB/SHOOWER MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.
25. GAS APPLIANCE INSERT WITH STANDING PILOT SHALL COMPLY WITH TABLE 4-2 OF THE 2023 CGC.
26. PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT JOB SITE FOR INSPECTION FOR THE FIREPLACE/WOODSTOVE.
27. PROPANE LOG LIGHTERS ARE NOT ALLOWED.
28. WOOD-BURNING OPEN-HEARTH FIREPLACES (WHICH INCLUDES ALL SOLID-FUEL WOOD-BURNING FIREPLACES, FIRE-PITS, AND BARBEQUES) ARE NOT ALLOWED IF PROPERTY IS BELOW 3000 FEET IN ELEVATION.
29. SHOWER DOORS MUST BE AT LEAST 32 INCHES IN WIDTH.

WALL LEGEND

- NEW EXTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EXTERIOR SIDE - 3-LAYERED STUCCO FINISH 7/8" MIN THICKNESS OVER 1/2" GA. X 1/2" HEXAGONAL PAPER-BACKED WIRE LATH OVER 2-LAYERS OF TYPE 'D' PAPER UNDER-LAYMENT OVER FLYWOOD. INTERIOR SIDE - 1/2" GYPSUM BD. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.
- NEW 1 HOUR FIRE-RATED WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 5/8" GYPSUM TYPE 'X' CEILING - 1/2" GYPSUM BD. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.
- NEW DOUBLE EXTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EXTERIOR SIDE - 3-LAYERED STUCCO FINISH 7/8" MIN THICKNESS OVER 1/2" GA. X 1/2" HEXAGONAL PAPER-BACKED WIRE LATH OVER 2-LAYERS OF TYPE 'D' PAPER UNDER-LAYMENT OVER FLYWOOD. INTERIOR SIDE - 1/2" GYPSUM BD. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.
- NEW INTERIOR WALL - 2x4 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 1/2" GYPSUM BD.
- NEW INTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 1/2" GYPSUM BD.
- NEW DOUBLE INTERIOR WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. EACH SIDE - 1/2" GYPSUM BD.
- NEW 1 HOUR FIRE-RATED GARAGE WALL - 2x6 DF#2 WOOD STUD WALL @ 16" O.C. GARAGE SIDE - 5/8" GYPSUM TYPE 'X' DWELLING SIDE - 5/8" GYPSUM BD. CEILING - 5/8" GYPSUM TYPE 'X' ON CEILING IF HABITABLE SPACE ABOVE. INSULATION - R-19 REFER TO T24 FOR ADDTNL INFO.



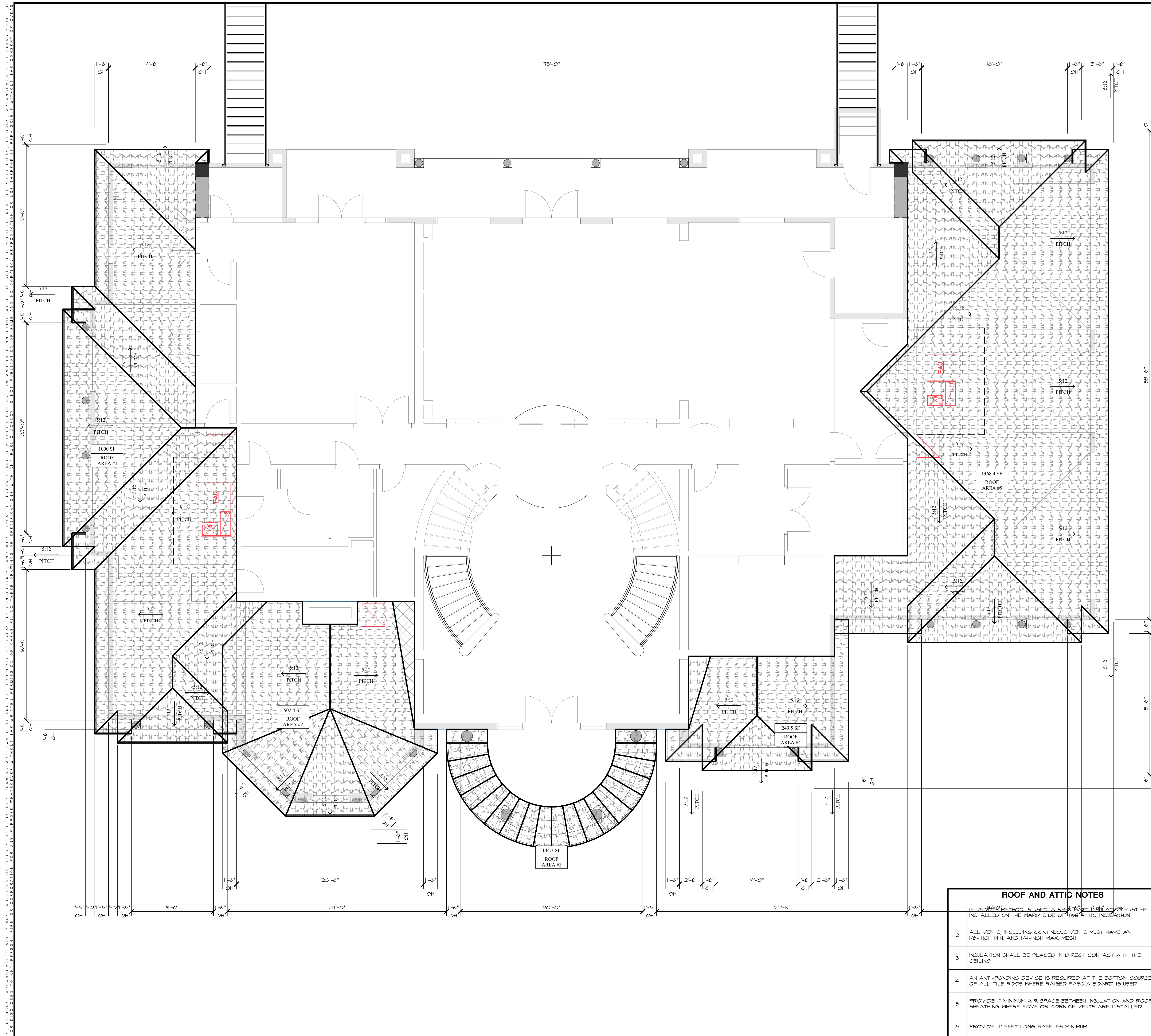
FLOOR PLAN - SECOND FLOOR

SCALE: 3/16" = 1'-0"

INSULATION LEGEND	
DESCRIPTION	TYPE
WALL INSULATION	R-19
ROOF INSULATION	R-38

SITE DATA	
PARCEL # (240-051-07):	7,480.3 SF
CUSTOM SINGLE FAMILY RESIDENCE (BOTH FLOORS):	5,144.0 SF
1ST FLOOR:	2,331.3 SF
2ND FLOOR:	1,155.2 SF
5-CAR GARAGE:	187.1 SF
COVERED PORCH:	681.8 SF
COVERED PATIO:	559.0 SF
COVERED DECK:	319.2 SF
STAIR CASES:	128.0 SF
OPEN DECK:	7,486.3 SF
TOTAL CUSTOM SFR GROUND COVER:	7,500.0 SF
COTYOTE VALLEY CLIMATE RESILIENCE COMBING DISTRICT (CVCRCD)	
TOTAL LOT COVERAGE REQUIREMENT:	

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RADIANT BARRIER NOTES

- LP TECHSHIELD RADIANT BARRIER (ESR 2586) BY LP BUILDING PRODUCTS, CA-7570 (TN).
- RADIANT BARRIER TO COVER ALL VERTICAL SURFACES OF ATTIC SPACE SUCH AS GABLE END WALLS.

ROOF MATERIAL SCHEDULE

ROOFING LOCATION	ROOFING MATERIAL	SHEET	DESCRIPTION
ROOF AREA #1	SPANISH TILE	D10	REFER TO RADIANT BARRIER NOTE

HATCH LEGEND

	INDICATED ROOF AREA FIRST FLOOR
	INDICATE ROOF AREA SECOND FLOOR
	INDICATES CRICKET FRAMING
	INDICATES CATWALK IN ATTIC
	INDICATES SOLAR AREA

ATTIC VENTILATION CALCULATIONS

ROOF AREA - 1		FORMULA (ROOF AREA / METHOD) * 144		
ROOF AREA	1000 SF			
METHOD	ISO TH			
VENTILATION REQUIRED	960.0 SQ IN.			
SYMBOL	QNTY.	DESCRIPTION	NET FREE AREA	TOTAL NFA
	4	HALF ROUND DORMER VENT 14" X 12"	63	252
	6	SOFFIT VENT 3" X 22"	60	360
	6	RIDGE VENT 15.5" X 48"	64	384
TOTAL VENTILATION PROVIDED:			187	996

ROOF AREA - 2		FORMULA (ROOF AREA / METHOD) * 144		
ROOF AREA	502.4 SF			
METHOD	ISO TH			
VENTILATION REQUIRED	482.90 SQ IN.			
SYMBOL	QNTY.	DESCRIPTION	NET FREE AREA	TOTAL NFA
	2	HALF ROUND DORMER VENT 14" X 12"	63	126
	4	SOFFIT VENT 3" X 22"	60	240
	2	RIDGE VENT 15.5" X 48"	64	128
TOTAL VENTILATION PROVIDED:			127	494

ROOF AREA - 3		FORMULA (ROOF AREA / METHOD) * 144		
ROOF AREA	144.3 SF			
METHOD	ISO TH			
VENTILATION REQUIRED	180.58 SQ IN.			
SYMBOL	QNTY.	DESCRIPTION	NET FREE AREA	TOTAL NFA
	2	HALF ROUND DORMER VENT 14" X 12"	63	126
	2	SOFFIT VENT 3" X 22"	60	120
	1	RIDGE VENT 15.5" X 48"	64	64
TOTAL VENTILATION PROVIDED:			127	310

ROOF AREA - 4		FORMULA (ROOF AREA / METHOD) * 144		
ROOF AREA	244.5 SF			
METHOD	ISO TH			
VENTILATION REQUIRED	239.52 SQ IN.			
SYMBOL	QNTY.	DESCRIPTION	NET FREE AREA	TOTAL NFA
	2	HALF ROUND DORMER VENT 14" X 12"	63	126
	2	SOFFIT VENT 3" X 22"	60	120
	1	RIDGE VENT 15.5" X 48"	64	64
TOTAL VENTILATION PROVIDED:			127	310

ROOF AREA - 5		FORMULA (ROOF AREA / METHOD) * 144		
ROOF AREA	1468.4 SF			
METHOD	ISO TH			
VENTILATION REQUIRED	1409.7 SQ IN.			
SYMBOL	QNTY.	DESCRIPTION	NET FREE AREA	TOTAL NFA
	10	HALF ROUND DORMER VENT 14" X 12"	63	630
	10	SOFFIT VENT 3" X 22"	60	600
	4	RIDGE VENT 15.5" X 48"	64	256
TOTAL VENTILATION PROVIDED:			127	1486

ROOF AND ATTIC NOTES

- IF 1/32" METHOD IS USED A R-30 BATT INSULATION MUST BE INSTALLED ON THE WARM SIDE OF THE ATTIC INSULATION.
- ALL VENTS, INCLUDING CONTINUOUS VENTS MUST HAVE AN 1/8" MIN. AND 1/4" MAX. MESH.
- INSULATION SHALL BE PLACED IN DIRECT CONTACT WITH THE CEILING.
- AN ANTI-PONDING DEVICE IS REQUIRED AT THE BOTTOM COURSE OF ALL TILE ROOFS WHERE RAISED FASCIA BOARD IS USED.
- PROVIDE 1" MINIMUM AIR SPACE BETWEEN INSULATION AND ROOF SHEATHING WHERE EAVE OR CORNICE VENTS ARE INSTALLED.
- PROVIDE 4' FEET LONG BAFFLES MINIMUM.

ROOF DRAINAGE PLAN - MAIN - 1ST FLOOR
SCALE 1/4" = 1'-0"

CVEAS
CENTRAL VALLEY
ENGINEERING & SURVEYING, INC.
2511 LOGAN STREET TEL: (559) 841-8811
SELMA, CA 95662 FAX: (559) 841-8815
WWW.CVEAS.COM Email: info@cveas.com

PROJECT

NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AVE AND DOUGHERTY AVE
MORGAN HILLS, CA 95037
APN: 712-27-043

DATE SIGNED: 4/24/2024

Revisions	Date

ROOF DRAINAGE PLAN FIRST FLOOR

CVEAS JOB #: _____

DATE: 4/24/2024

PLANNING SUBMITTAL #: XX-XXXX

PLAN CHECK SUBMITTAL #: XX-XXXX

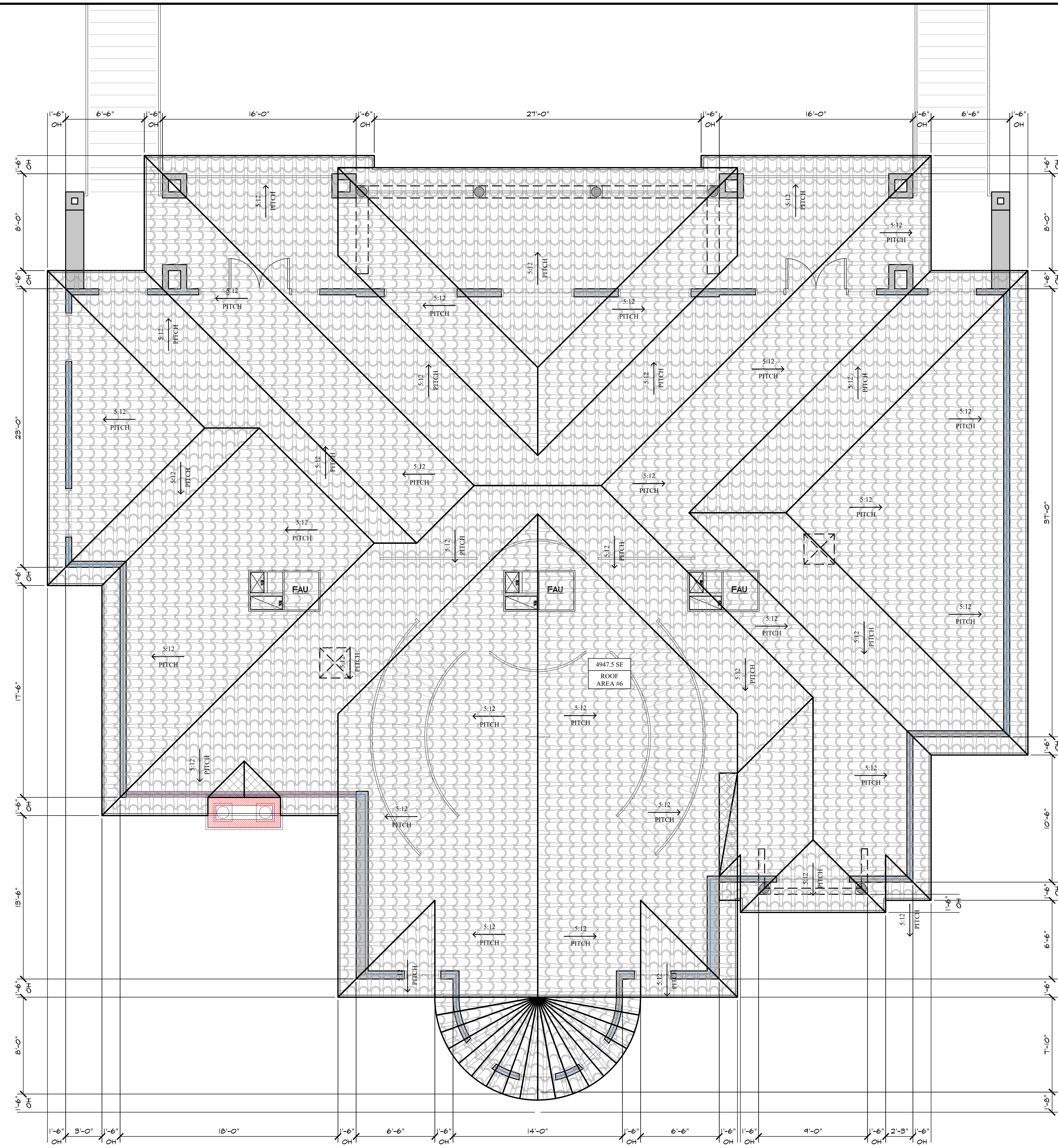
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CHECKED BY: _____

SCALE: _____

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4729.1 SF
ROOF
AREA #1

4947.5 SF
ROOF
AREA #6

ROOF DRAINAGE PLAN - MAIN - 2ND FLOOR
SCALE 1/4" = 1'-0"

RADIANT BARRIER NOTES

- 1 LP TECHSHIELD RADIANT BARRIER (ESR 2886) BY LP BUILDING PRODUCTS, CA-7370 (TN).
- 2 RADIANT BARRIER TO COVER ALL VERTICAL SURFACES OF ATTIC SPACE SUCH AS GABLE END WALLS.

ROOF MATERIAL SCHEDULE

ROOFING LOCATION	ROOFING MATERIAL	SHEET	DESCRIPTION
ROOF AREA #1	SPANISH TILE	D10	REFER TO RADIANT BARRIER NOTE

HATCH LEGEND

	INDICATED ROOF AREA FIRST FLOOR
	INDICATE ROOF AREA SECOND FLOOR
	INDICATES CRICKET FRAMING
	INDICATES CATWALK IN ATTIC
	INDICATES SOLAR AREA

ROOF AND ATTIC NOTES

- 1 IF 1/2" BOOTH METHOD IS USED, A R-30 BATT INSULATION MUST BE INSTALLED ON THE WARM SIDE OF THE ATTIC INSULATION
- 2 ALL VENTS, INCLUDING CONTINUOUS VENTS MUST HAVE AN 1/8-INCH MIN. AND 1/4-INCH MAX. MESH.
- 3 INSULATION SHALL BE PLACED IN DIRECT CONTACT WITH THE CEILING
- 4 AN ANTI-PONDING DEVICE IS REQUIRED AT THE BOTTOM COURSE OF ALL TILE ROOFS WHERE RAISED FASCIA BOARD IS USED.
- 5 PROVIDE 1" MINIMUM AIR SPACE BETWEEN INSULATION AND ROOF SHEATHING WHERE EAVE OR CORNICE VENTS ARE INSTALLED.
- 6 PROVIDE 4' FEET LONG BAFFLES MINIMUM.

ATTIC VENTILATION CALCULATIONS

ROOF AREA - 6				
ROOF AREA	4729 SF	FORMULA (ROOF AREA / METHOD) * 144		
METHOD	300 TH			
VENTILATION REQUIRED	2269.97 SQ. IN.			
SYMBOL	QNTY.	DESCRIPTION	NET FREE AREA	TOTAL NFA
	12	HALF ROUND DORMER VENT 14" X 12"	69	756
	12	SOFFIT VENT 9" X 22"	60	720
	14	RIDGE VENT 15.5" X 48"	64	896
TOTAL VENTILATION PROVIDED:			194	2372

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PROJECT
NEW SINGLE FAMILY RESIDENCE FOR:
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MORGAN HILLS, CA 95037
APN: 712-27-043

DATE SIGNED: 2/26/2024

Revisions	Date

ROOF DRAINAGE PLAN SECOND FLOOR

CVEAS JOB # : _____

DATE: 2/26/2024

PLANNING SUBMITTAL #: XX-XXXX

PLAN CHECK SUBMITTAL #: XX-XXXX

DRAWN BY: _____

CHECKED BY: _____

SCALE: _____

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IMPERVIOUS SURFACES

1. ROOF	8093 SF
2. WATER STORAGE TANKS	908 SF
3. WATER STORAGE TANK PAD (SPRINKLER)	59 SF
4. WELL PUMP SLAB	68 SF
5. FRONT PORCH	166 SF
6. AC PAVING - DRIVE APPROACH	510 SF
7. 2X HEADERS	116 SF
TOTAL	= 9920 SF

DOUGHERTY AVENUE (COUNTY MAINTAINED ROAD)

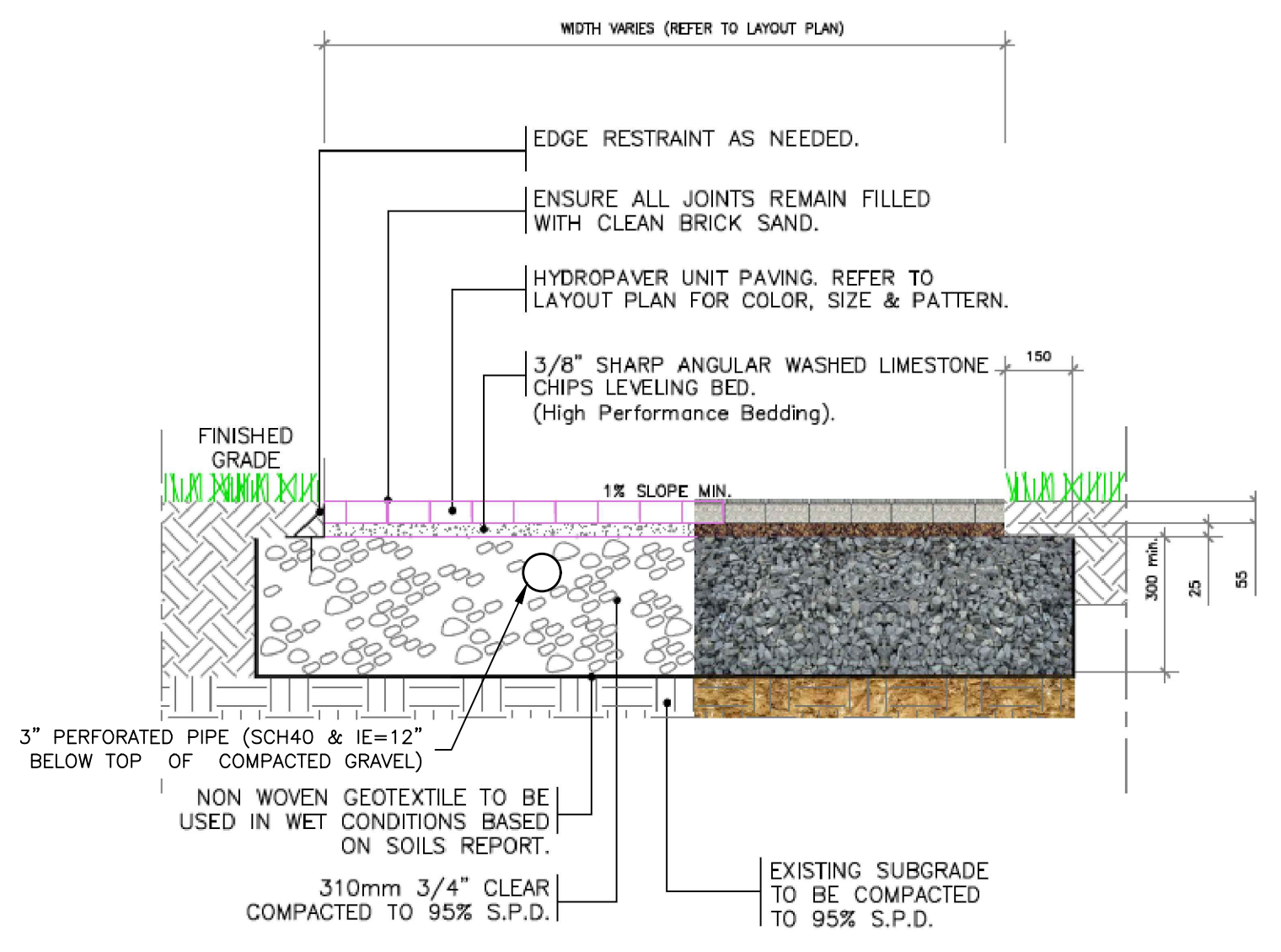
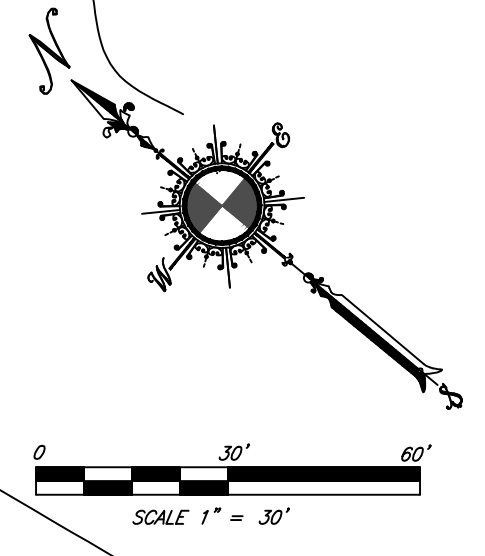
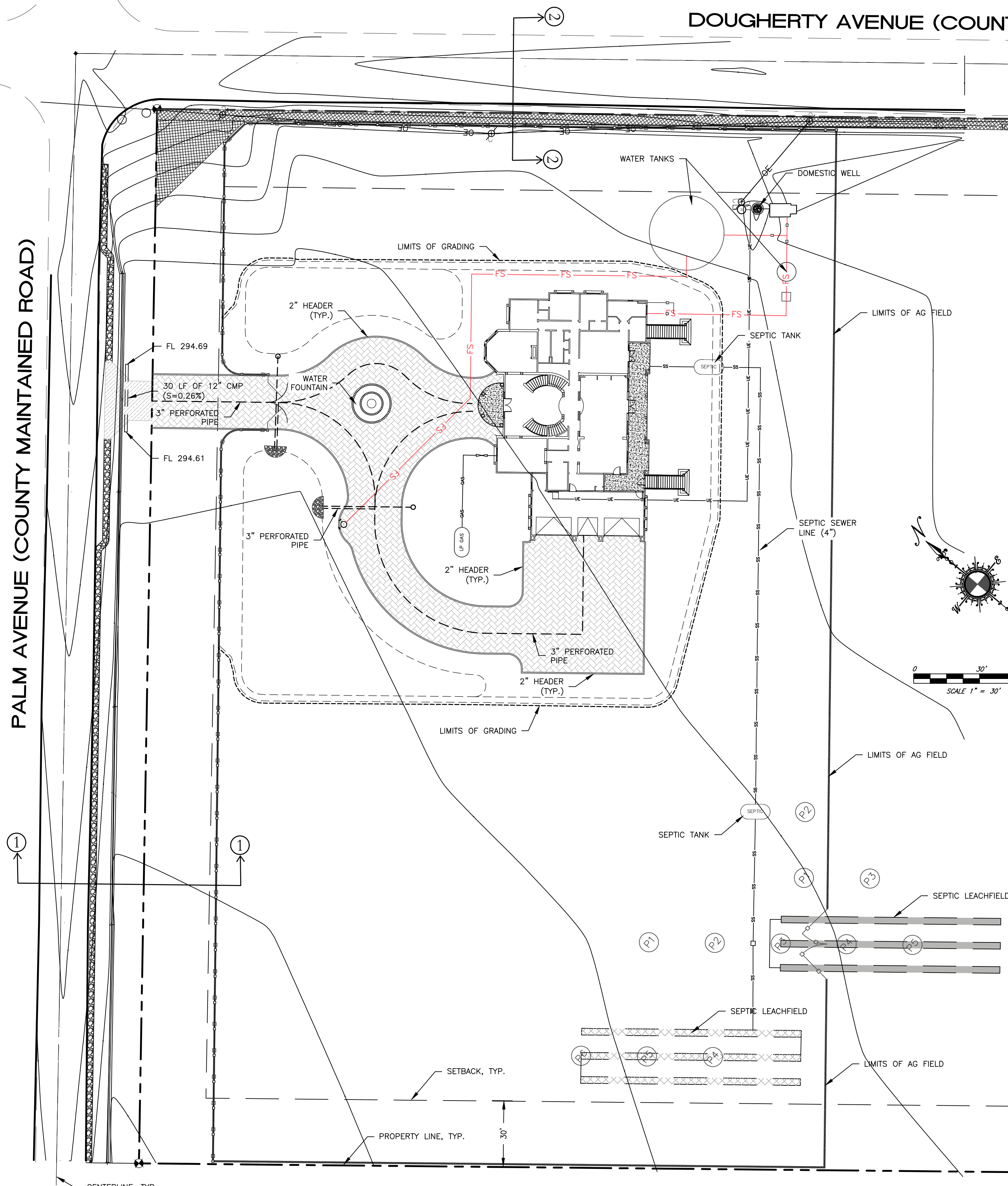
PALM AVENUE (COUNTY MAINTAINED ROAD)

GENERAL NOTES

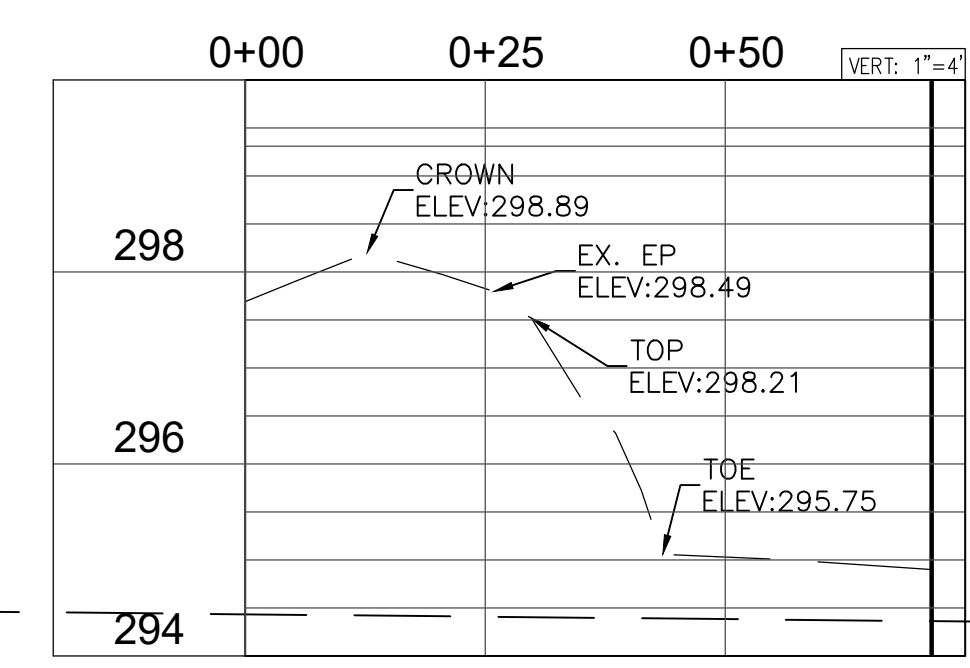
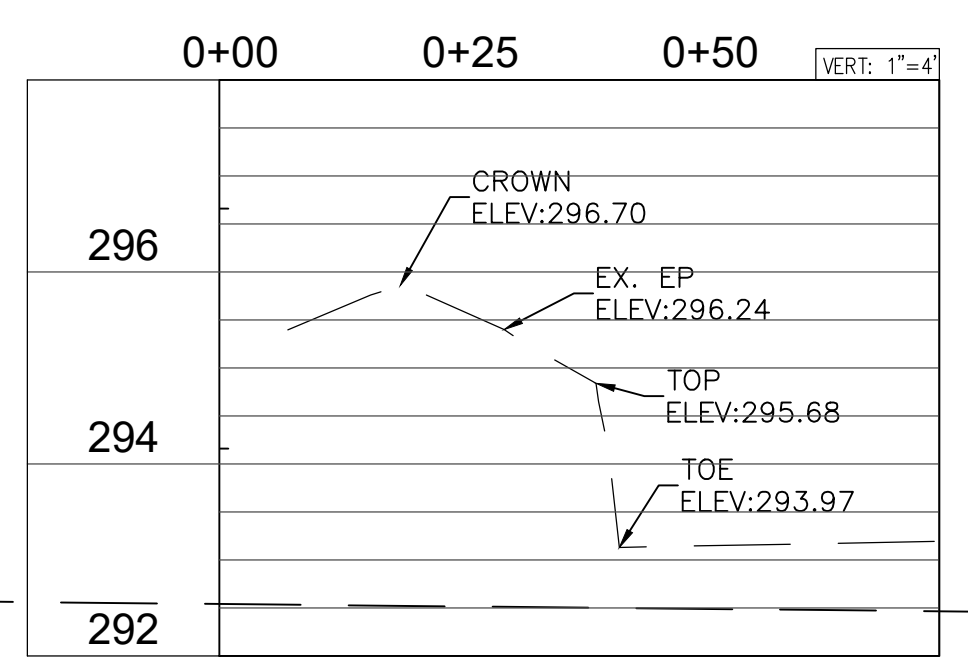
1. THE WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE PROVISION OF THE SPECIFICATIONS ENTITLED BY SANTA CLARA COUNTY STANDARD PLANS AND SPECIFICATIONS LATEST REVISION.
2. THE CONTRACTOR SHALL SECURE AN ENCROACHMENT PERMIT FOR ANY OFF-SITE CONSTRUCTION.
3. ANY PERSON, CONTRACTOR OR SUBCONTRACTOR PLANNING TO CONDUCT ANY EXCAVATION SHALL CONTACT USH NORTH AT 811 AT LEAST TWO (2) DAYS, BUT NOT MORE THAN 14 CALENDAR DAYS, PRIOR TO COMMENCING THAT EXCAVATION.
4. THE CONTRACTOR SHALL PROVIDE SOIL COMPACTION TEST REPORTS PREPARED BY AN APPROVED TESTING AGENCY FOR ALL AREAS WHERE FILL IS PLACED.
5. ANY EXISTING SECTION CORNER, QUARTER SECTION CORNER, PROPERTY CORNER, STREET CENTERLINE MONUMENT, OR ANY OFFICIAL BENCHMARK DAMAGED BY THE CONTRACTOR IN THE COURSE OF THE WORK COVERED BY THESE CONSTRUCTION PLANS, SHALL BE RESET TO THE SATISFACTION OF THE CITY ENGINEER. A LICENSED LAND SURVEYOR OR CIVIL ENGINEER LICENSED TO PERFORM LAND SURVEYING SHALL CERTIFY THE PLACEMENT OR REPLACEMENT OF ALL MONUMENTS AND BENCHMARKS IN ACCORDANCE WITH ALL LAWS, RULES AND REGULATIONS GOVERNING SUCH PLACEMENTS OR REPLACEMENTS. PLACEMENT/REPLACEMENT AND CERTIFICATION SHALL BE COMPLETED BEFORE FINAL ACCEPTANCE OF THE PROJECT/WORK BY THE CITY. BRONZE CAPS REQUIRED FOR THE INSTALLATION OF NEW OR REPLACEMENT MONUMENTS SHALL BE FURNISHED BY THE CONTRACTOR.
6. 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. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

GRADING

1. ALL GRADING SHALL COMPLY WITH CALIFORNIA BUILDING CODE, 2022 EDITION.
2. A LETTER FROM THE RESPONSIBLE CIVIL ENGINEER OR LAND SURVEYOR SHALL ALSO BE SUBMITTED CERTIFYING THAT GRADING CONFORMED TO THE "APPROVED GRADING PLAN".
3. THIS GRADING PLAN IS FOR APPROVAL OF ON-SITE ELEVATIONS ONLY. THE ELEVATIONS SHOWN WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES SEPARATE PUBLIC WORKS DEPARTMENT APPROVAL & PERMIT. ANY NOTES THAT APPLY TO THE PUBLIC RIGHT-OF-WAY ARE FOR REFERENCE ONLY. IF ON-SITE ELEVATIONS SHOWN DO NOT COINCIDE WITH APPROVED STREET PLANS, AN APPROVED AMENDMENT IS REQUIRED.
4. THE GROUND IMMEDIATELY ADJACENT TO ALL FOUNDATIONS SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 2% FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT 10 FEET OF HORIZONTAL DISTANCE FROM THE FOUNDATION, THEN A SWALE THAT RUNS PARALLEL TO THE FOUNDATION MAY BE USED AND WILL BE REQUIRED TO BE A MINIMUM SLOPE OF 2% WITHIN 10 FEET OF THE BUILDING FOUNDATION. ALL OTHER SITE GRADING OUTSIDE OF THE BUILDING ENVELOPE IS REQUIRED TO BE A MINIMUM OF 0.5%.
5. NO SURFACE DRAINAGE SHALL BE PERMITTED TO DRAIN ONTO ADJACENT PROPERTIES.
6. NO PERMANENT ON-SITE WATER RETENTION IS ALLOWED.
7. ANY VERTICAL CUT OR FILL DIFFERENTIAL EQUAL TO OR GREATER THAN TWELVE (12) INCHES BETWEEN ADJACENT PROPERTIES SHALL BE SUPPORTED BY AN APPROVED RETAINING WALL.
8. ALL REQUIRED WALLS AND RETAINING WALLS REQUIRE SEPARATE BUILDING PERMITS IN ADDITION TO THE GRADING PERMIT.
9. PROVIDE THE CITY OF FRESNO WITH AS-GRADE PLANS. PLANS ARE TO BE SUBMITTED UPON COMPLETION OF GRADING AND PRIOR TO OCCUPANCY.



- NOTES:**
1. ALL DIMENSIONS IN MILLIMETERS
 2. HPB LAYER NOT TO EXCEED 40mm IN DEPTH. DO NOT USE LIMESTONE SCREENINGS.
 3. IN SANDY SOILS, BASE DEPTH TO BE 450mm DEEP.
 4. CONFIRM SOIL CONDITIONS WITH A QUALIFIED SOILS ENGINEER PRIOR TO INSTALLATION OF BASE.
 5. USE AN EDGE RESTRAINT ON ALL AREAS ABUTTING SOD.



VERTICAL CONTROL

CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 4 AS REFERENCED TO CSRC, EPOCH 2011.

BASIS OF BEARINGS:

CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 4 AS REFERENCED TO CSRC, EPOCH 2011.

ENGINEER'S CERTIFICATION:
 THIS PLAN WILL NOT IMPOSE A DRAINAGE, GRADING OR FLOODING HAZARD TO SURROUNDING PROPERTIES.

Peter Pao Moua
 PETER PAO MOUA, P.E.
 LIC. NO. C61918

10/11/2024
 DATE

PROJECT
 NEW RESIDENCE FOR:
 GURDEEP DHADWAL
 PALM AVE AND DOUGHERTY AVE
 MORGAN HILL, CA 95037
 APN: 712-27-043



Revisions:	Date:

GRADING PLAN

CVEAS Job #:	16067
Current Release Date:	xxxx
Drawn By:	PM
Planning Submittal Date:	xxxx
P.C. Submittal Date:	
Checked By:	RL
Scale:	AS NOTED

SHEET
 2
 OF
 10

811
 CALL UNDERGROUND SERVICE ALERT (U.S.A.)
 TOLL FREE (800) 227-2600
 48 HOURS
 BEFORE EXCAVATING

APPROVED FOR ISSUANCE
 REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERING

ALL IDEAS, REVISIONS, APPROVALS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF CVEAS OR CONSULTANTS, AND WERE CREATED, DEVELOPED OR PROVIDED FOR USE BY AND IN CONNECTION WITH THE SPECIFIC PROJECT. HAVE OF SUCH IDEAS, REVISIONS, APPROVALS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF CVEAS OR CONSULTANTS. ANY PUBLICATION OF THIS DRAWING OR ANY PART THEREOF IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF CVEAS OR CONSULTANTS.

ABBREVIATIONS / LEGEND

AC ASPHALTIC	FL FLOW LINE	SDCO STORM DRAIN CLEANOUT
C CONCRETE	FNC FENCE	SDI STORM DRAIN INLET
CATV CABLE TELEVISION LINE	FS FIRE SPRINKLER	SDMH STORM DRAIN MANHOLE
CG CONCRETE CURB	GR GUTTER/GUTTER LIP	SSCO SEWER SANITARY CLEANOUT
CL CENTER LINE	GRD GROUND	TC TOP OF CURB
CLF CHAIN LINK FENCE	GWY GUY WIRE	TF TOP OF FOOTING
D DRY/GROUND SURFACE	IE INVERT ELEVATION	TFC TOP FACE OF CURB
DI DRAIN INLET	IRR IRRIGATION	TP TELEPHONE POLE
EC END OF CURVE	MB MAIL BOX	TW TOP OF WALL
EG EXISTING GROUND	MTR METER	UE UNDERGROUND ELECTRICAL
EP EDGE OF PAVEMENT	O/H OVERHEAD ELECTRICAL LINE	W WATER
ETW EDGE OF TRAVEL WAY	P PAVEMENT	
EX EXISTING	PP POWER POLE	
FD FOUND	P/L PROPERTY LINE	
FF FINISH FLOOR	RB REBAR	
FG FINISH GRADE	R/W RIGHT OF WAY	

GRAVEL
 ASPHALT CONCRETE (AC)
 PERVIOUS PAVERS
 ---336.10 DES: SPOT ELEVATION & DESCRIPTION

KEYNOTES

- VERIFY STRUCTURAL SECTION WITH STRUCTURAL ENGINEER & ARCHITECT PRIOR TO CONSTRUCTION. SLOPE GARAGE SLAB PER ARCHITECTURAL PLANS.
- INSTALL RIPRAP ALONG SWALE.

GENERAL NOTES:

- GRADING IS FOR THE PURPOSE OF CONSTRUCTION OF SINGLE FAMILY RESIDENCE.
- SEE SHEET A1.1 FOR WATER, SEPTIC AND GAS. NO UTILITY CONNECTION FROM COUNTY RIGHT-OF-WAY.
- APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERING.

GENERAL RIGHT-OF-WAY NOTES:

- SAWCUT AND REPAVE A MINIMUM OF 1-FT OF PLAM AVENUE ALONG DRIVEWAY AND PROPERTY FRONTAGE.
- RESTRIPPE FOG LINE IN SAWCUT AREA IN KIND WITH 4-INCH WHITE REFLECTIVE PAVEMENT MARKINGS AND AS REQUESTED BY COUNTY INSPECTOR AND/OR ENGINEER.
- ALL SAWCUT SPOILS SHALL BE VACUUMED.
- OFF HAUL ALL CONSTRUCTION SPOILS AND DEBRIS TO AN APPROPRIATE DUMP FACILITY.
- INSTALL AND MAINTAIN PROPER BMPs THROUGHOUT THE DURATION OF CONSTRUCTION.
- INSTALL AND MAINTAIN TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD.



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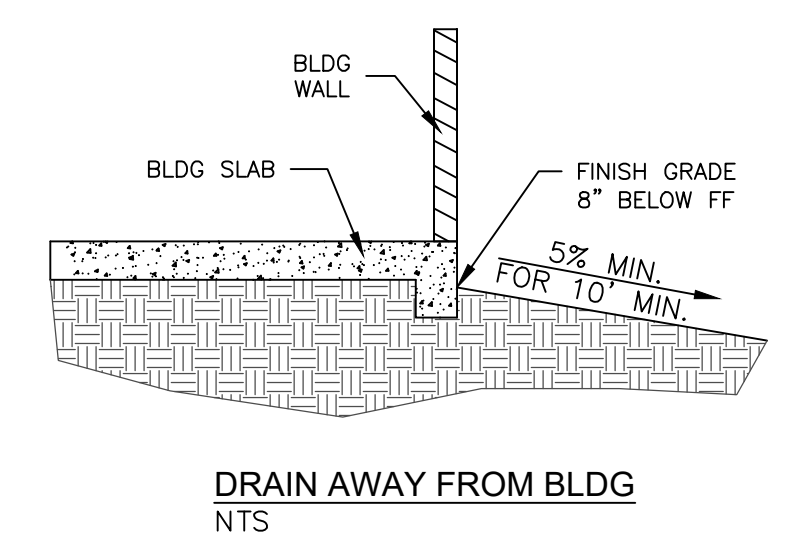
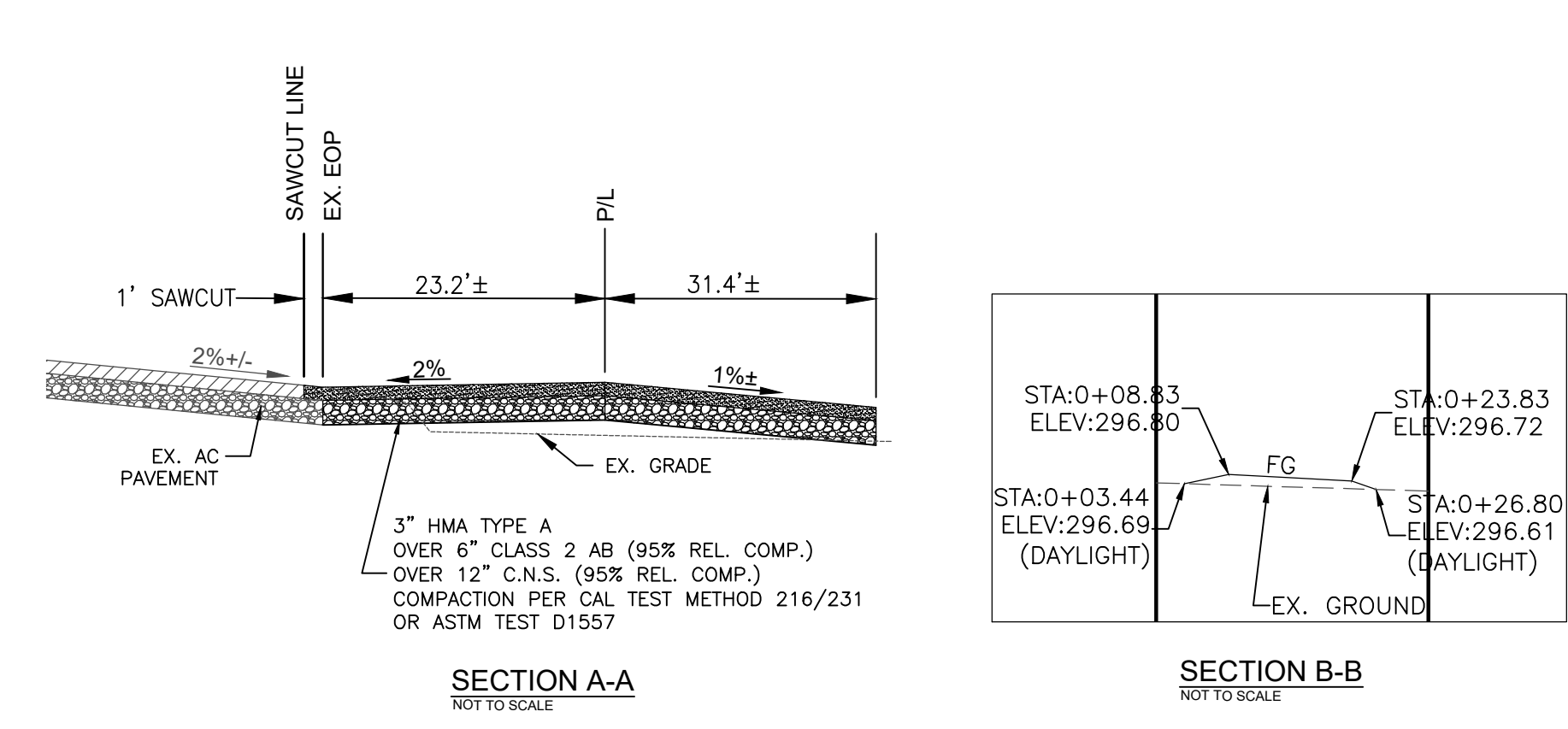
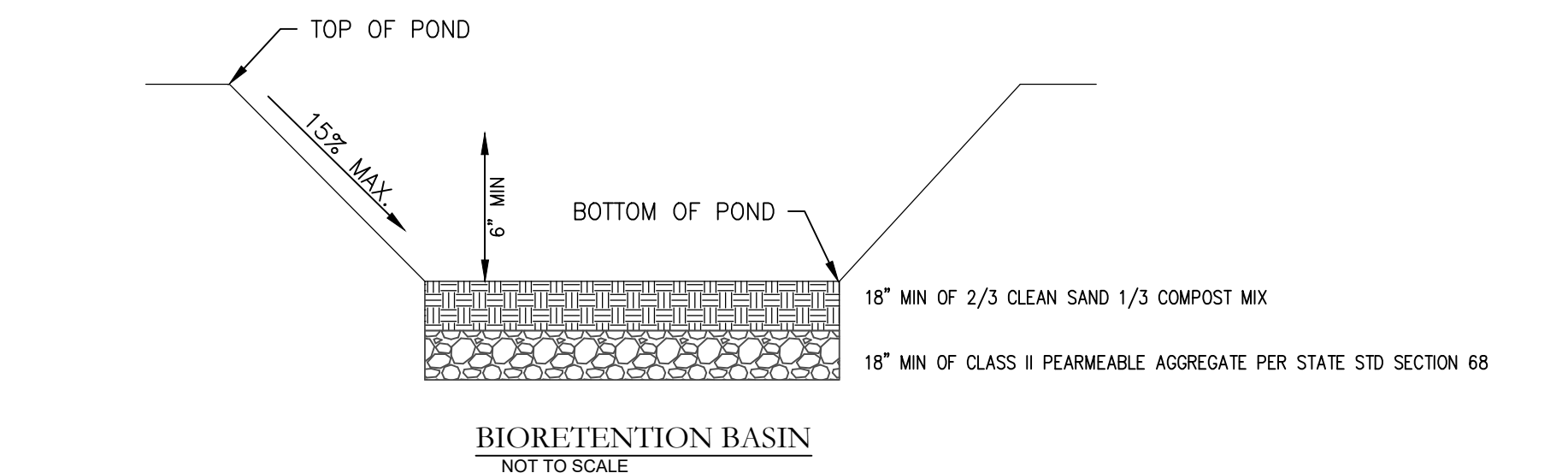
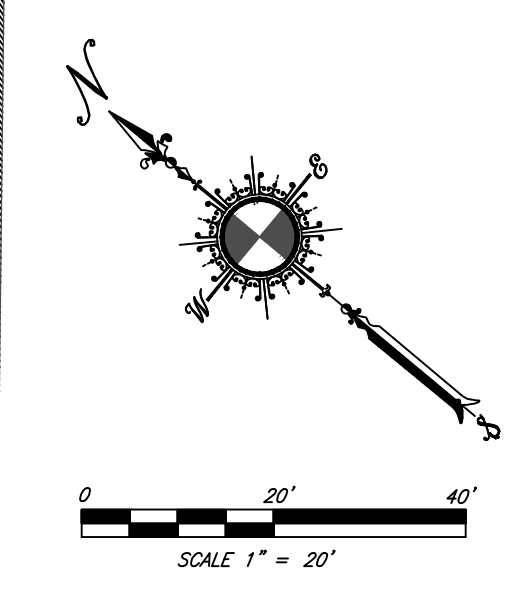
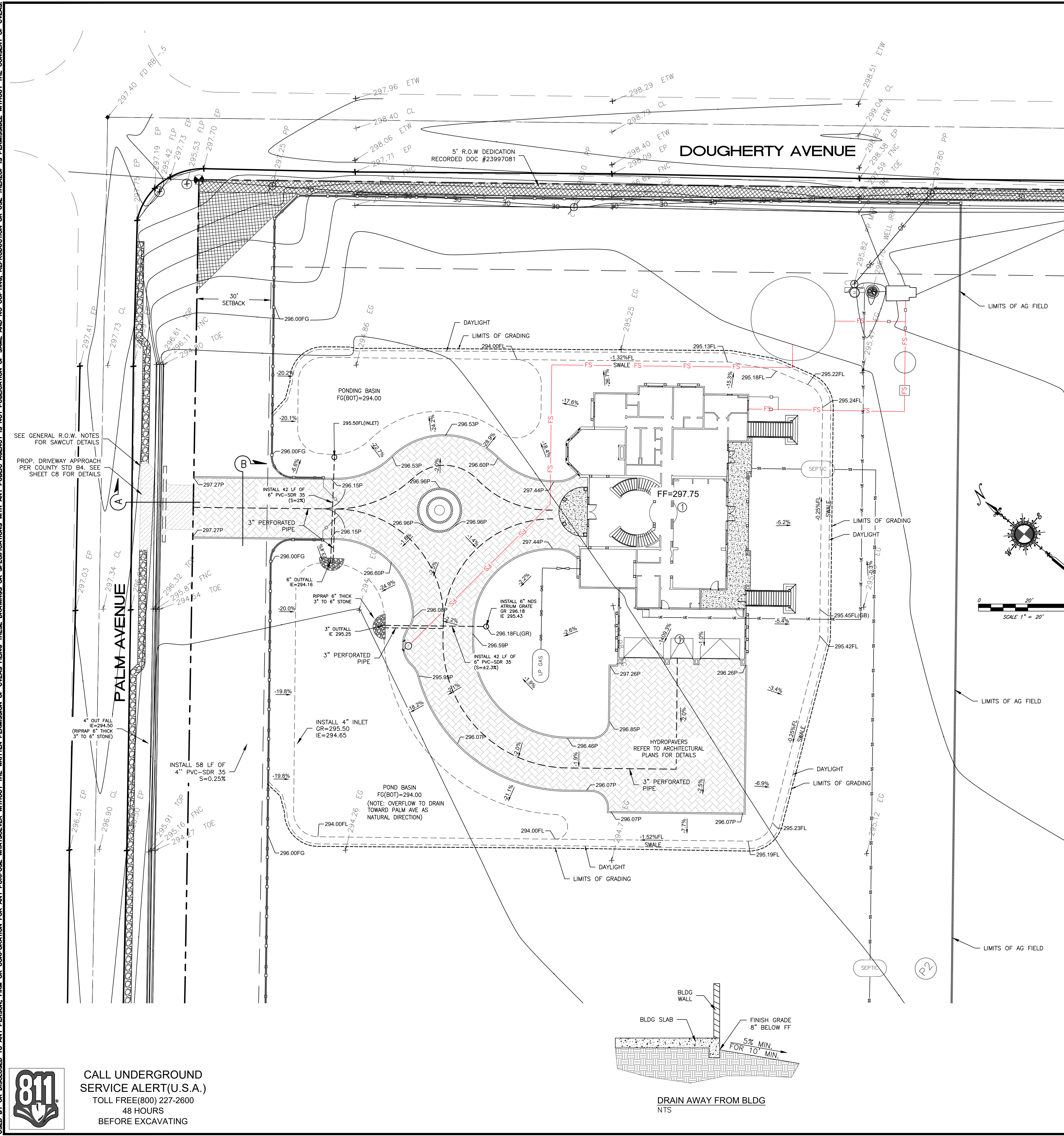


Revisions:	Date:

GRADING PLAN

CVEAS Job #:	16067
Current Release Date:	xxxx
Drawn By:	PM
Planning Submittal Date:	xxxx
P.C. Submittal Date:	
Checked By:	RL
Scale:	AS NOTED

SHEET
 3
 OF
 10



CUT/FILL
 CUT = 90 CUBIC YARDS
 FILL = 1465 CUBIC YARDS
 NET FILL = 1375 CUBIC YARDS
 DISTURBED AREA = 43,745 SF

ENGINEER'S CERTIFICATION:

THIS PLAN WILL NOT IMPOSE A DRAINAGE, GRADING OR FLOODING HAZARD TO SURROUNDING PROPERTIES.

PETER PAO MOUA, P.E.
 LIC. NO. C61918

10/11/2024
DATE

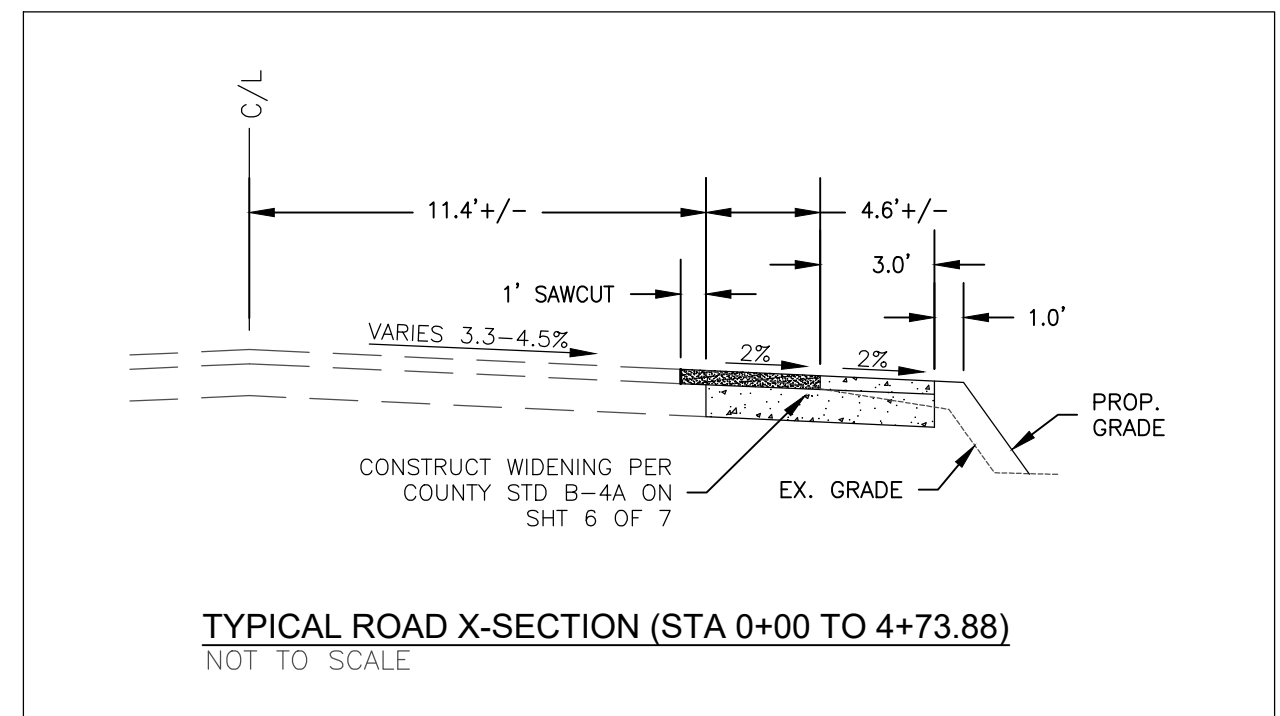
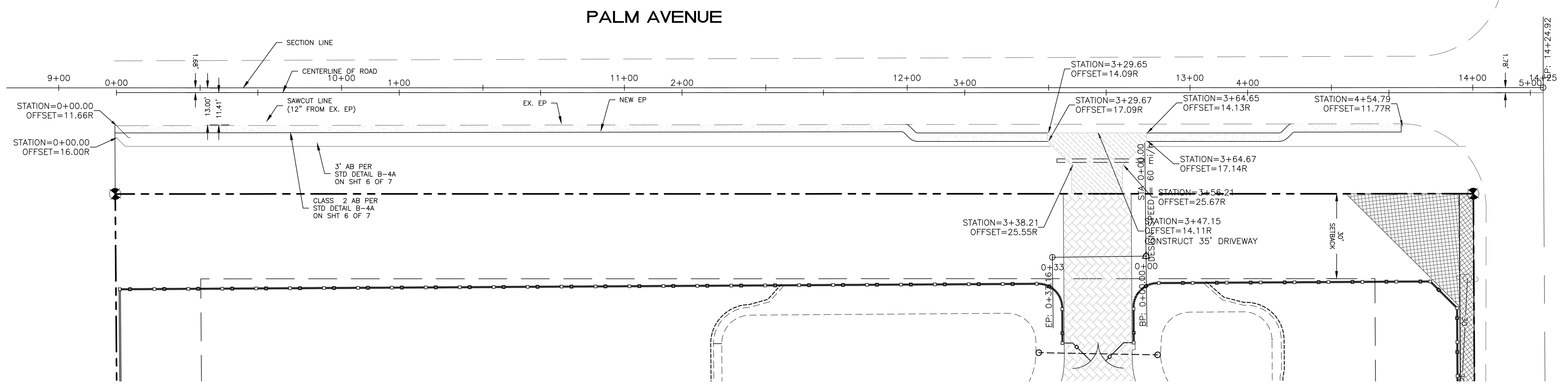
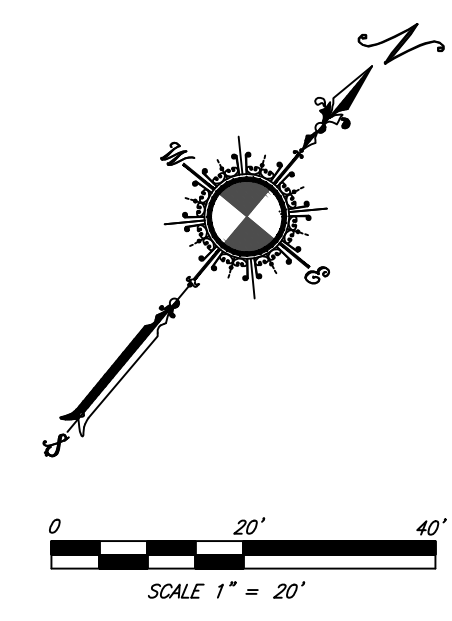
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CENTRAL VALLEY
ENGINEERING & SURVEYING, INC.
2132 HIGH STREET Tel. (559) 891-8811
SELMA, CA 93662 Fax (559) 891-8815
WWW.CVEAS.COM Email: info@cveas.com



PROJECT
**NEW RESIDENCE FOR:
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PALM AVE AND DOUGHERTY AVE
MORGAN HILL, CA 95037
APN: 712-27-043**



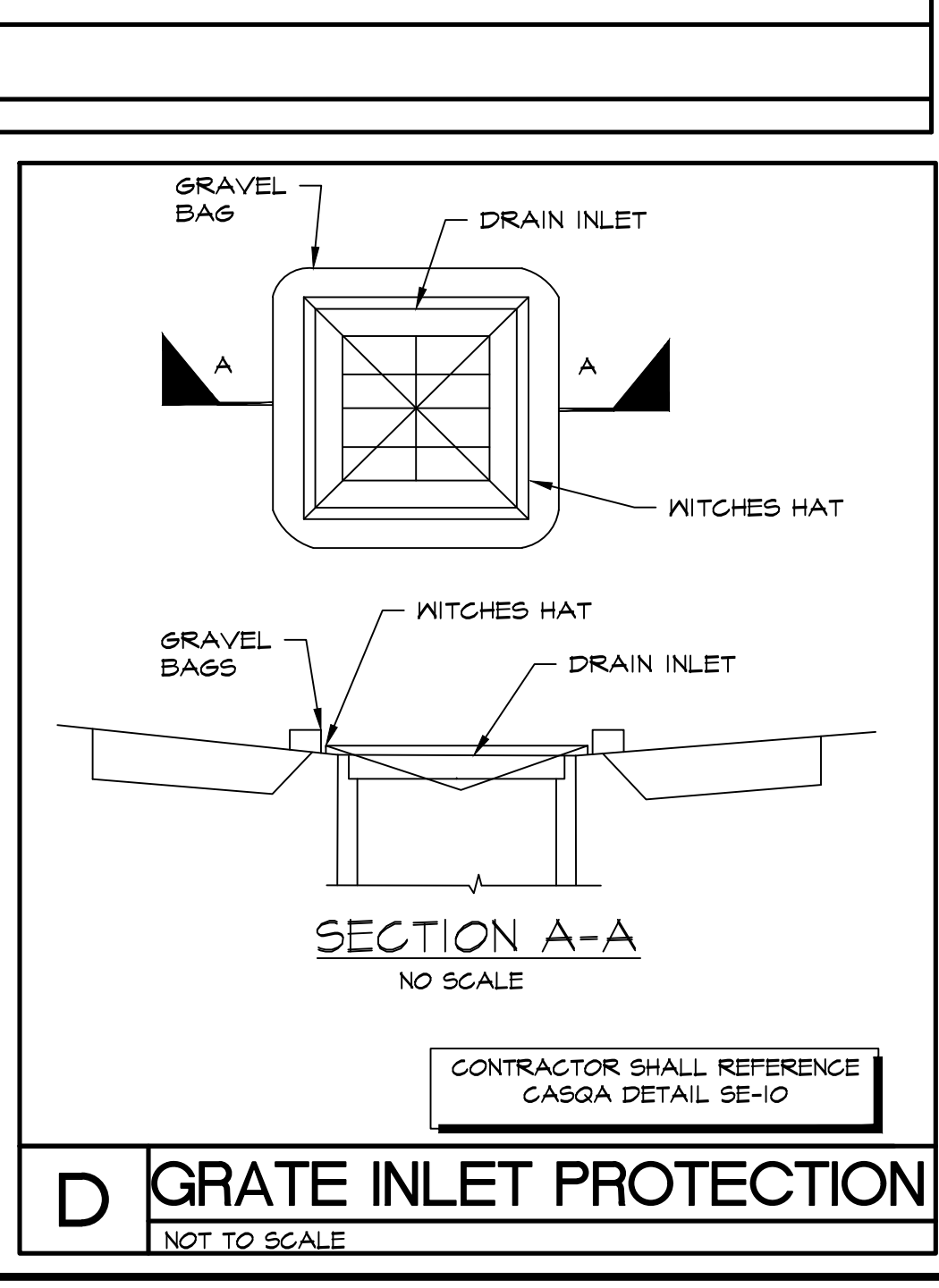
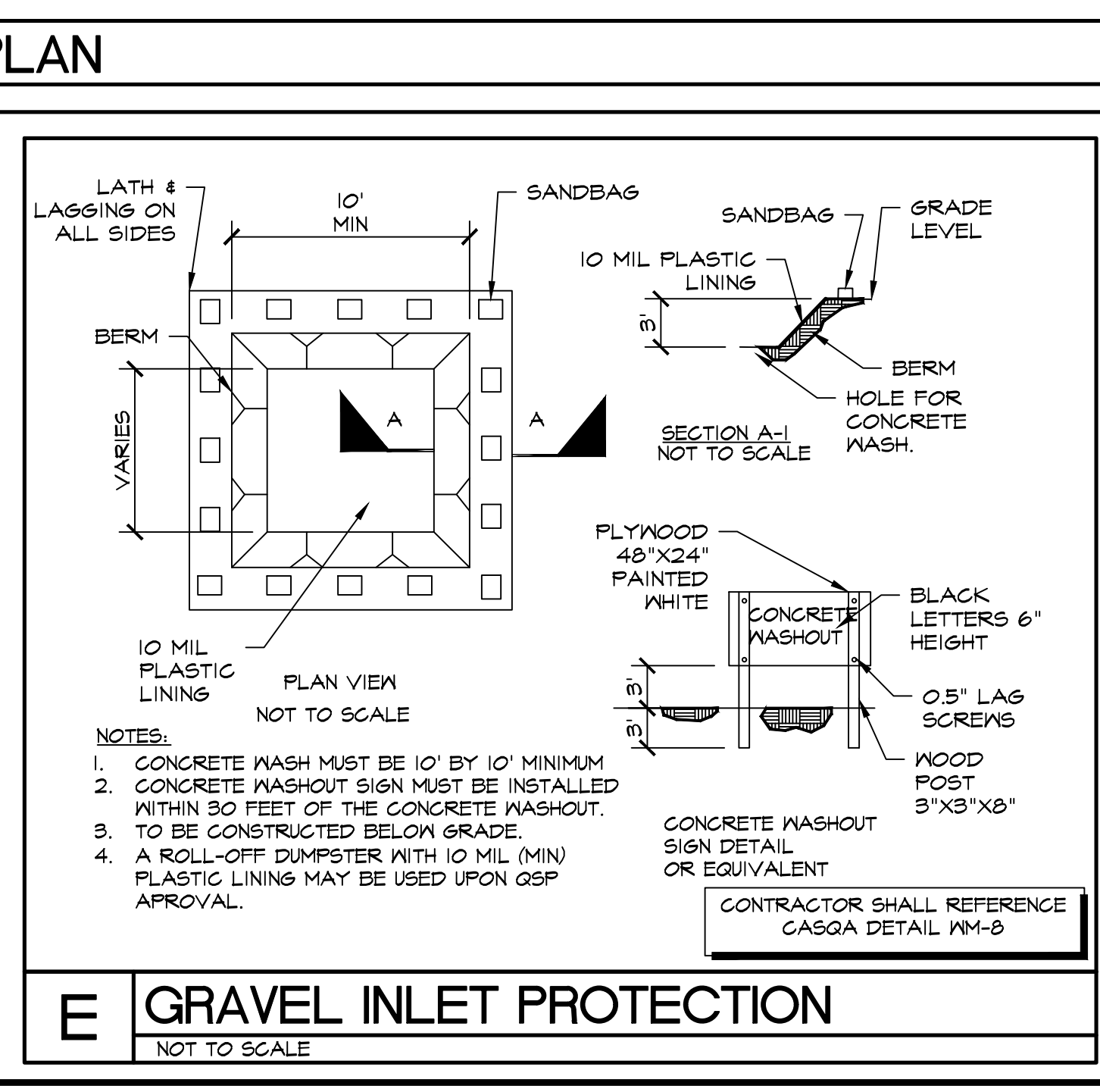
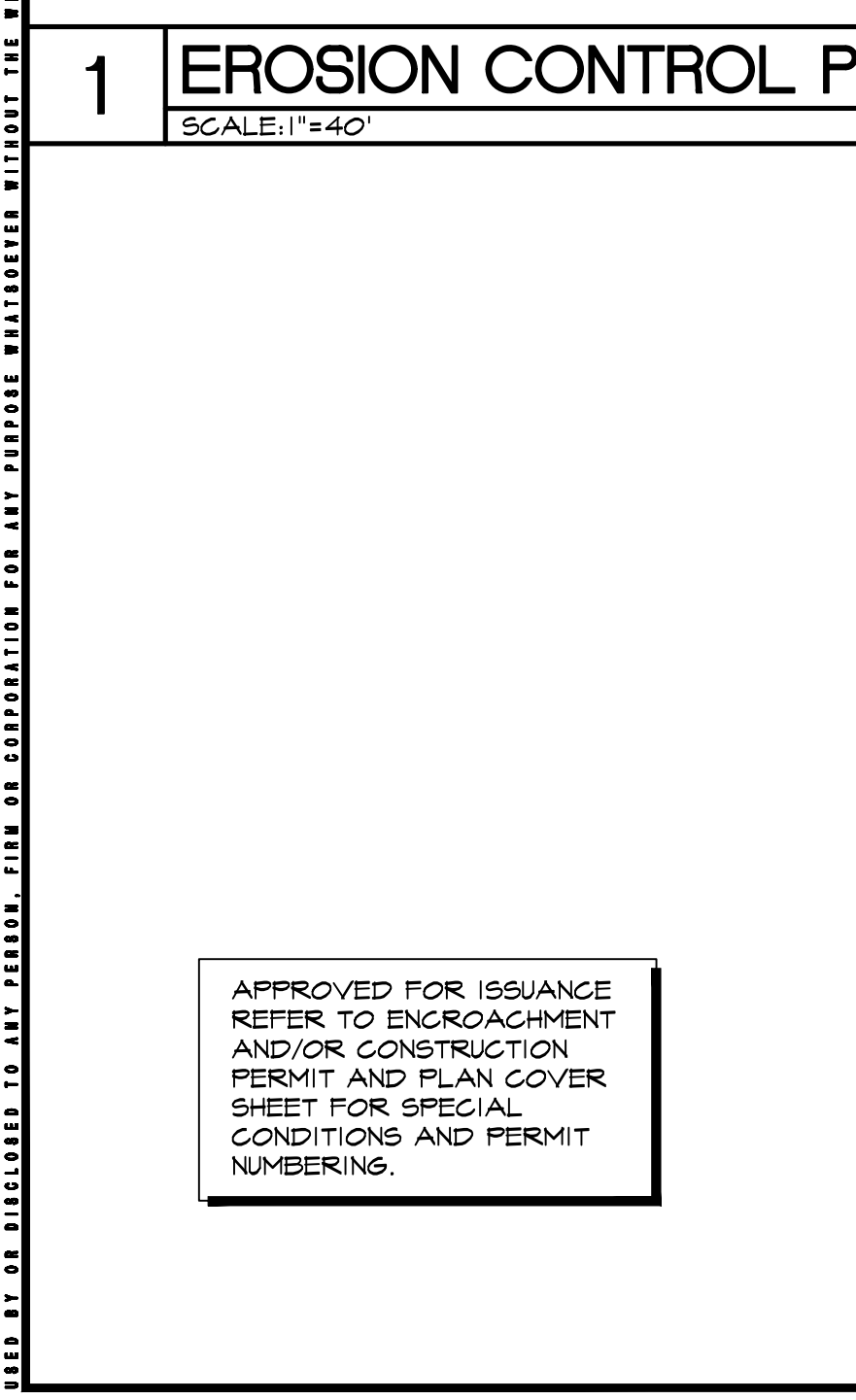
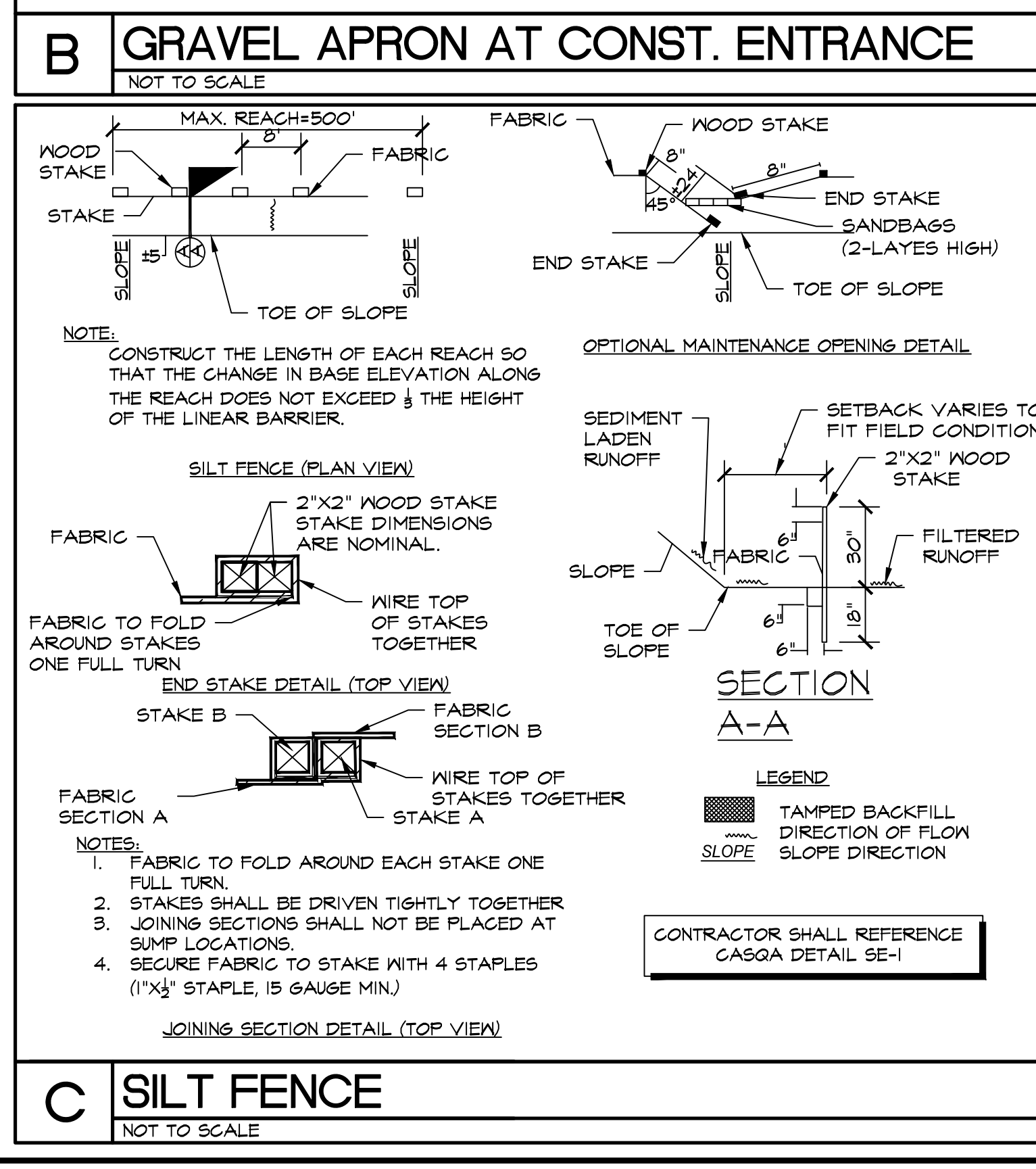
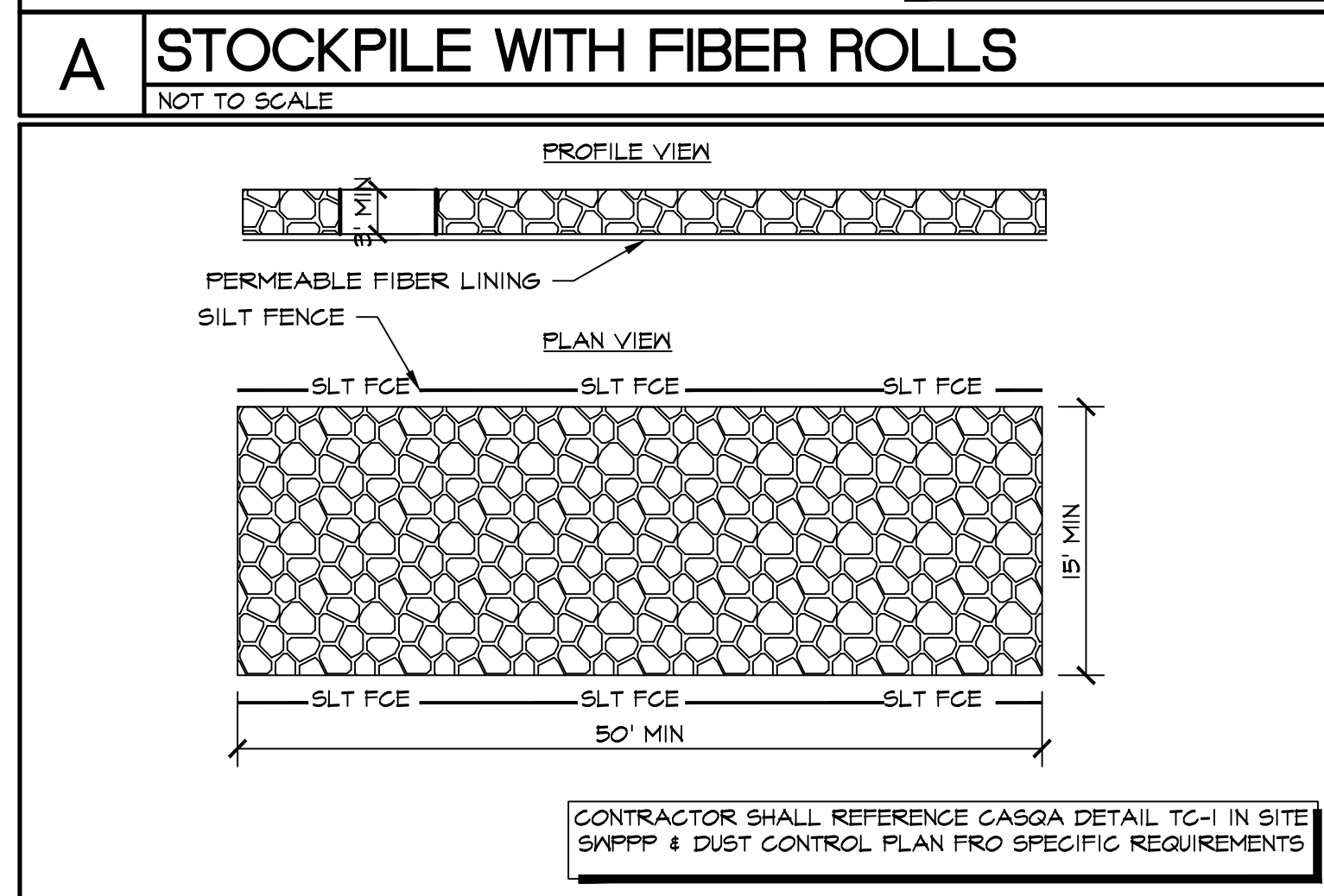
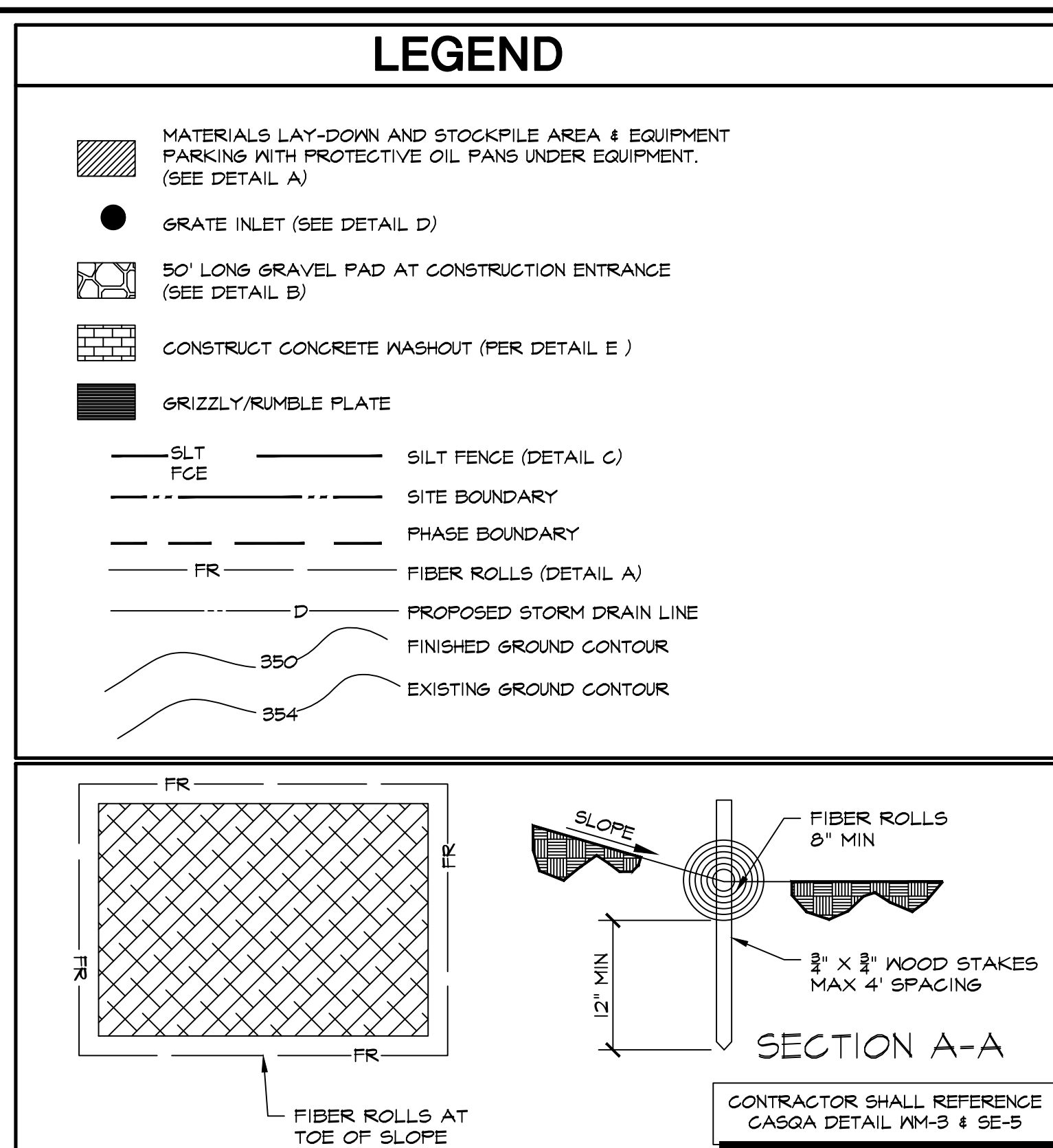
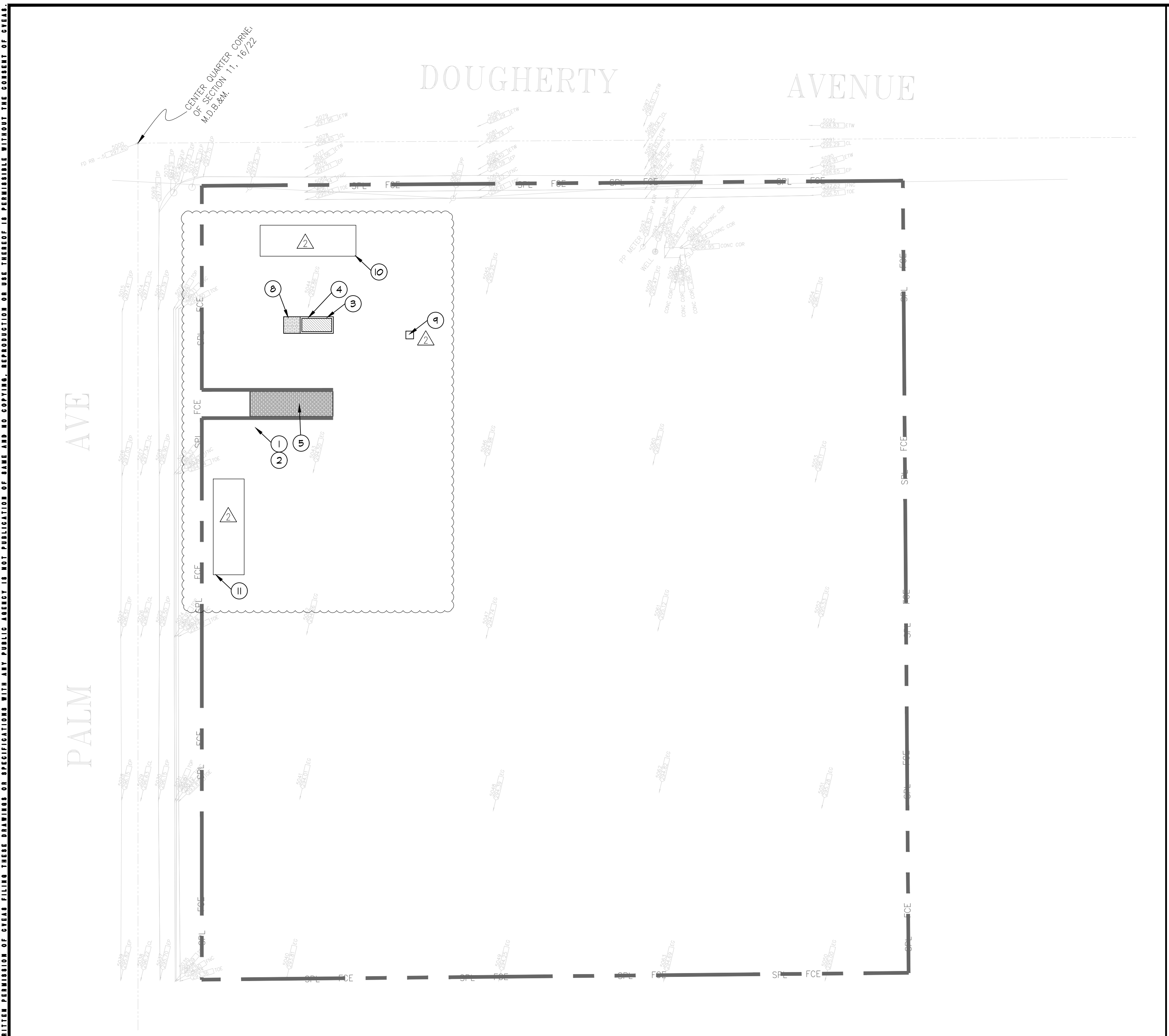
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HALF STREET IMPROVEMENT

CVEAS Job #:	16067
Current Release Date:	XXXX
Drawn By:	PM
Planning Submittal Date:	XXXX
P.C. Submittal Date:	
Checked By:	RL
Scale:	AS NOTED

ENGINEER'S CERTIFICATION:
THIS PLAN WILL NOT IMPOSE A DRAINAGE, GRADING OR FLOODING HAZARD TO SURROUNDING PROPERTIES.
Peter Pao Moua
PETER PAO MOUA, P.E.
LIC. NO. C61918
DATE: 4/15/2024

SHEET
4
OF
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STORMWATER POLLUTION PREVENTION NOTES:

- EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE QUALIFIED SWPPP DEVELOPER (GSD) OR THE QUALIFIED SWPPP PRACTITIONER (GSP).
- GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE COMPLETION OF EACH WORKING DAY OR EROSION CONTROL BMP'S MUST BE IN PLACE. (EG-EG13)
- THE USE OF A GRAVEL BLANKET AT CONSTRUCTION ENTRANCES WITH PUBLIC ROADS IS REQUIRED AT ALL TIMES DURING CONSTRUCTION. (TG-1)
- THE CONTRACTOR SHALL RESTRICT TRAFFIC AND POST 15 MPH SPEED LIMITS ON THE SITE TO REDUCE DUST. (NE-1)
- CONTRACTOR SHALL WATER THE SITE AS NEEDED TO ELIMINATE DUST. (MINIMUM OF 500 GALLONS/AC, AND ONCE DAILY, (NE-1))
- CONSTRUCTION EQUIPMENT SHALL BE PARKED, WHEN NOT IN USE AND FOR MAINTENANCE, IN DESIGNATED AREA (NS-B/O).
- SILT FENCING, STRAW BALES AND SANDBAGS WILL BE INSTALLED AS DIRECTED BY THE GSD/GSP, AS NEEDED. (SEE USE-6SE-9SE-4)
- EXCEPT AS OTHERWISE APPROVED BY THE GSD/GSP, ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY OR ON WEEKENDS WHEN THE 48-HOUR RAIN PROBABILITY FORECAST EXCEEDS 50%.
- ALL LOOSE SOIL AND DEBRIS, WHICH MAY CREATE A POTENTIAL HAZARD TO OFFSITE PROPERTY, SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE GSP.
- THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE WITHIN THE SITE IS AT THE DISCRETION OF THE GSP.
- EROSION CONTROL DEVICES WILL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES AND PLANS OF THESE CHANGES SUBMITTED FOR APPROVAL AS REQUIRED.
- ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM.
- THIS PLAN HAS BEEN CREATED AS A BEGINNING CONCEPT ONLY. IF BMP'S SHOWN ARE DEEMED INEFFECTIVE OR UNNECESSARY, GSP IS TO REMOVE OR SELECT ALTERNATIVE BMP'S FROM CASQA'S HANDBOOK AND REDEFINE THIS PLAN AS NEEDED.
- WHILE NOT ALL THE LISTED BMP'S ARE NOT INCLUDED IN THE SPECIFIC TEXT OF THE EROSION CONTROL PLAN, MANY OF THESE ITEMS ARE STILL NECESSARY TO ADDRESS SPECIFIC CONSTRUCTION PROCESSES THE CONTRACTOR PLANS IMPLEMENT. THESE ITEMS SUCH AS REFUELING STATIONS, BATCH PLANTS, WASTE FACILITIES AND THE LIKE ARE NOT SPECIFICALLY SITED ON THE PLAN BUT STILL ARE REQUIRED TO BE ADDRESSED BY THE CONTRACTORS BASED ON THE CONTRACTORS PLANNED LOCATIONS.
- BMP'S MAY NOT BE LISTED ON THIS EROSION CONTROL PLAN, THE CONTRACTOR IS REFERRED TO BE FAMILIAR WITH THE SWPPP DOCUMENT FOR THIS SITE, AS IT MAY INCLUDE ADDITIONAL NECESSARY BMP'S.

DUST CONTROL NOTES:

CONSTRUCTION OF THE PROJECT REQUIRES THE IMPLEMENTATION OF CONTROL MEASURES RECOMMENDED BY THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT THAT CAN REDUCE FUGITIVE DUST EMISSIONS ASSOCIATED WITH THIS PROJECT:

- ALL DISTURBED AREAS, INCLUDING STORAGE PILES, WHICH ARE NOT BEING ACTIVELY UTILIZED FOR CONSTRUCTION PURPOSES, SHALL BE EFFECTIVELY STABILIZED OF DUST EMISSIONS USING WATER, COVERED WITH A TARP OR OTHER SUITABLE COVER, OR VEGETATIVE GROUND COVER.
- ALL ONSITE UNPAVED ROADS AND OFFSITE UNPAVED ACCESS ROADS SHALL BE EFFECTIVELY STABILIZED OF DUST EMISSIONS USING WATER.
- ALL LAND CLEARING, GRUBBING, SCRAPING, EXCAVATION, LAND LEVELING, GRADING, CUT & FILL, AND DEMOLITION ACTIVITIES SHALL BE EFFECTIVELY CONTROLLED OF FUGITIVE DUST EMISSIONS UTILIZING APPLICATION OF WATER OR BY PREWATERING.
- WHEN MATERIALS ARE TRANSPORTED OFFSITE, ALL MATERIALS SHALL BE COVERED OR EFFECTIVELY METTED TO LIMIT VISIBLE DUST EMISSIONS, AND AT LEAST SIX INCHES OF FREEBOARD SPACE FROM TOP OF THE CONTAINER SHALL BE MAINTAINED.
- ALL OPERATIONS SHALL LIMIT OR EXPEDITIOUSLY REMOVE THE ACCUMULATION OF MUD OR TRACK-OUT FROM ADJACENT PUBLIC STREETS AT THE END OF EACH WORKDAY. (USING A PM10-EFFICIENT METER SE-7)
- FOLLOWING THE ADDITION OF MATERIALS TO, OR THE REMOVAL OF MATERIALS FROM THE SURFACE OF OUTDOOR STORAGE PILES, SAID PILES SHALL BE EFFECTIVELY STABILIZED OF FUGITIVE DUST EMISSIONS UTILIZING SUFFICIENT WATER AND COVERINGS.
- ASPHALT-CONCRETE PAVING SHALL COMPLY WITH BMP THAT PREVENT INFILTRATION OF PAVING MATERIALS AND RUNOFF INTO STORM DRAIN SYSTEMS (NS-B).
- CEASE GRADING ACTIVITIES DURING PERIODS OF HIGH WINDS (GREATER THAN 20 MPH OVER A ONE-HOUR PERIOD).
- LIMIT CONSTRUCTION RELATED VEHICLE SPEEDS TO 15 MPH ON ALL UNPAVED AREAS AT THE CONSTRUCTION SITE.
- ALL DUST CONTROL MEASURES ARE NOT NECESSARY LISTED HERE ON THIS PLAN THE CONTRACTOR IS REFERRED TO THE DUST CONTROL PLAN FOR THIS PROJECT AND/OR SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT RULES TO CHECK COMPLIANCE.

CONSTRUCTION NOTES:

- POST "NO TRESPASSING" SIGN AT PROJECT ENTRANCE(S)
- POST "CONSTRUCTION TRAFFIC 15 MPH" SIGN AT PROJECT ENTRANCE(S)
- MATERIAL LAY-DOWN AND STOCKPILE AREA. (DETAIL A)
- EQUIPMENT PARKING WITH PROTECTIVE OIL PANS UNDER EQUIPMENT.
- GRAVEL PAD AT CONSTRUCTION ENTRANCE MIN. 30' LONG (SEE DETAIL B)
- INLET PROTECTION WITH GRAVEL BAGS. (SEE DETAIL D)
- STOCKPILE FOR ALL PHASES [PLACE FIBER ROLLS AT TOE OF SLOPE ALL THE WAY AROUND THE STOCKPILE] (SEE DETAIL A)
- CONSTRUCT CONCRETE WASHOUT (PER DETAIL E)
- LOCATION OF PORT-O-LET (PORTABLE TOILET)
- HAZARDOUS MATERIAL STORAGE AREA
- CONSTRUCTION PARKING AREA

CVEAS

CENTRAL VALLEY ENGINEERING & SURVEYING, INC.

2511 LOS AN STREET Tel: (954) 841-8811
SELMA, CA 95662 Fax: (954) 841-8815
WWW.CVEAS.COM Email: info@cveas.com

PROJECT

**NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AND DOUGHERTY AVE.
MORGAN HILLS, CA 95037
APN: 712-27-043**

DATE SIGNED: 2/26/2024

Revisions	Date
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EROSION CONTROL PLAN

CVEAS JOB #: 2246

DATE: 2/26/2024

PLANNING SUBMITTAL #: XX-XXXX

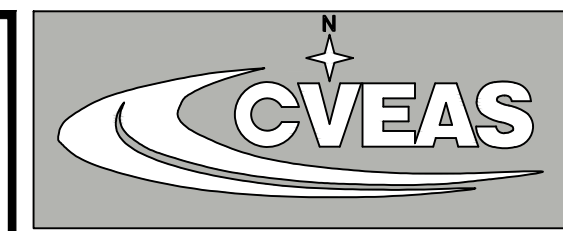
PLAN CHECK SUBMITTAL #: XX-XXXX

DRAWN BY: KX

CHECKED BY: RL

SCALE: NOTE ON PLANS

C5



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ENGINEERING & SURVEYING, INC.
2511 LOS AN STREET Tel. (954) 841-8811
SELMA, CA 95662 Fax (954) 841-8815
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PROJECT
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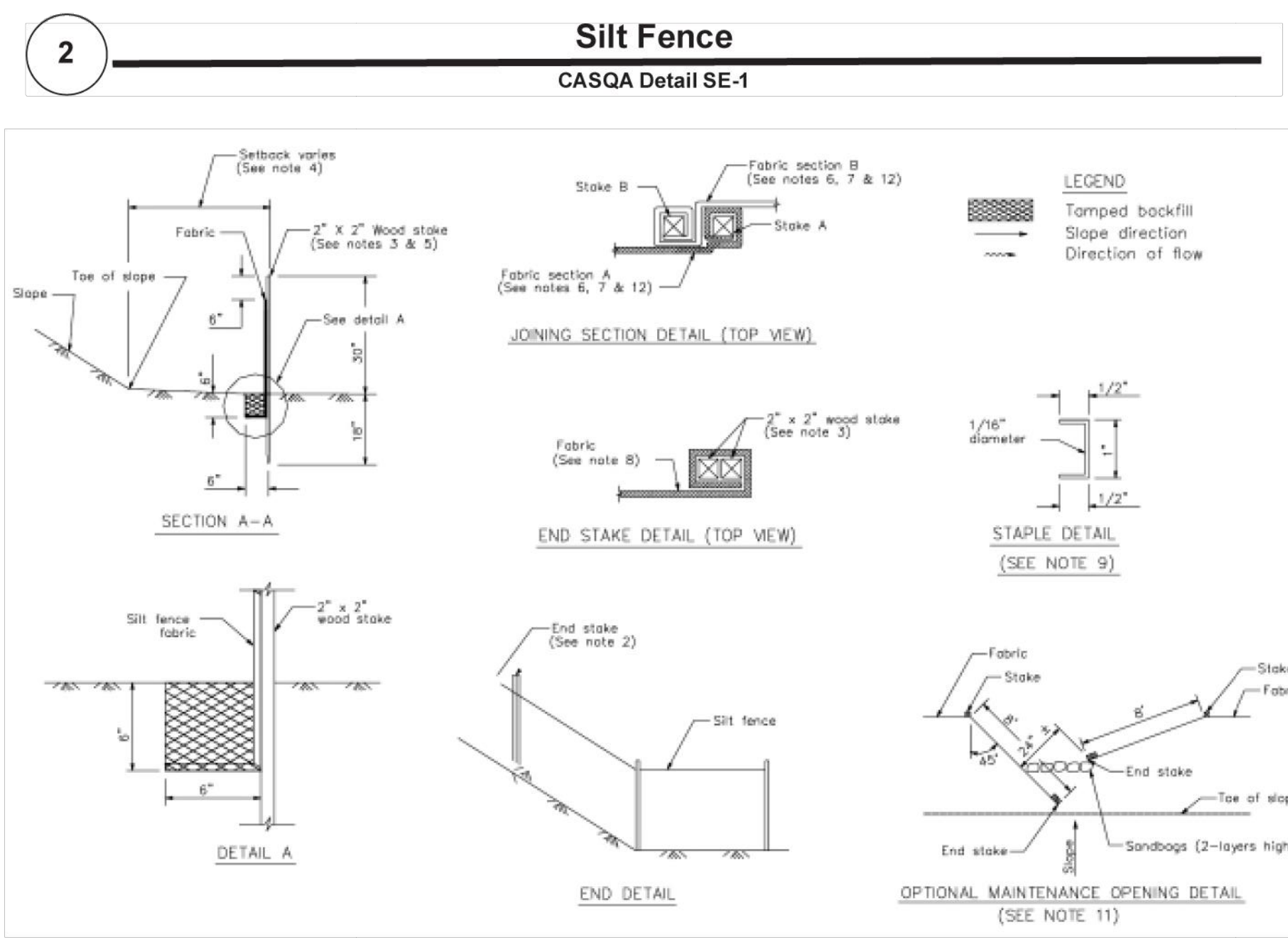
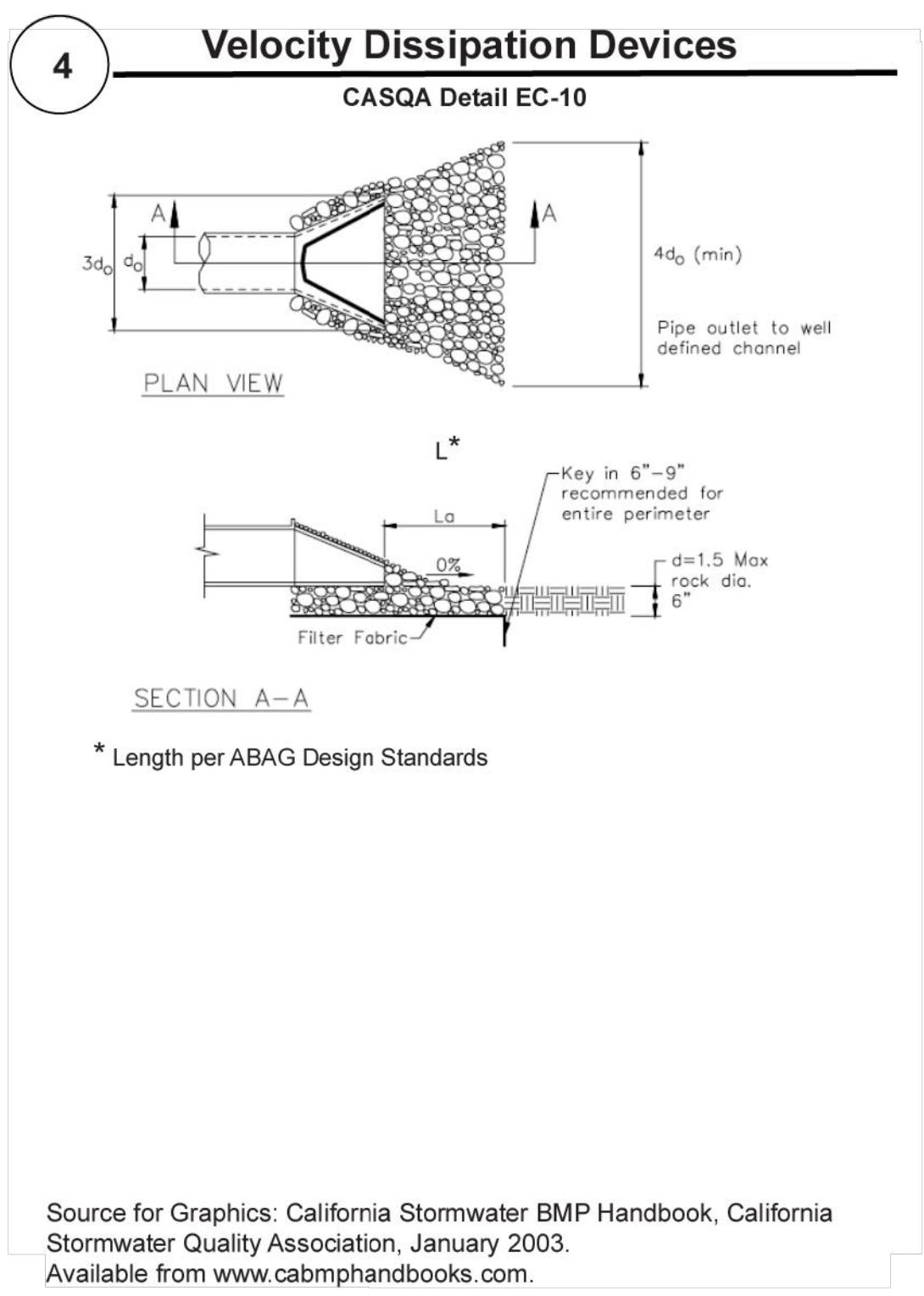
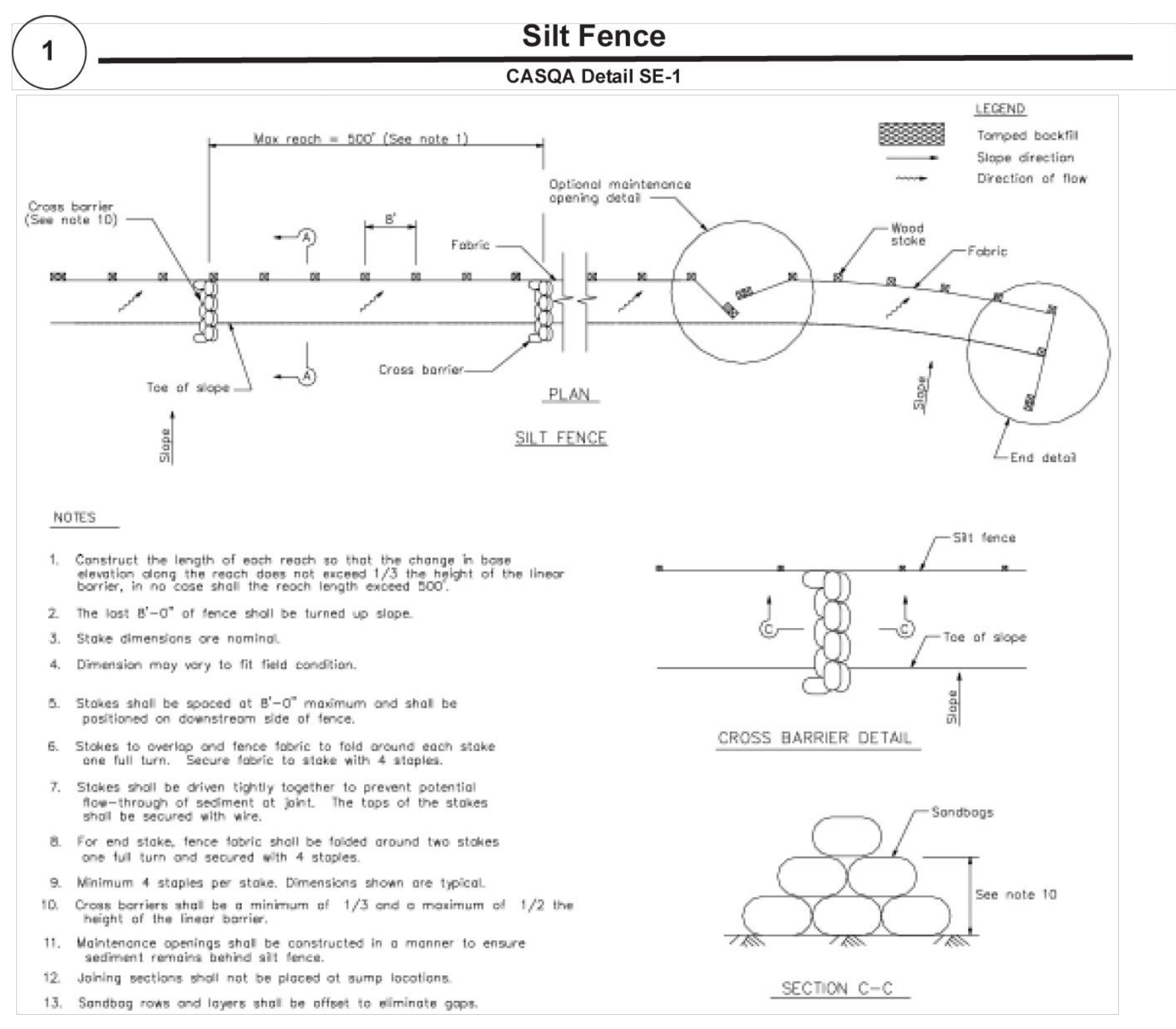
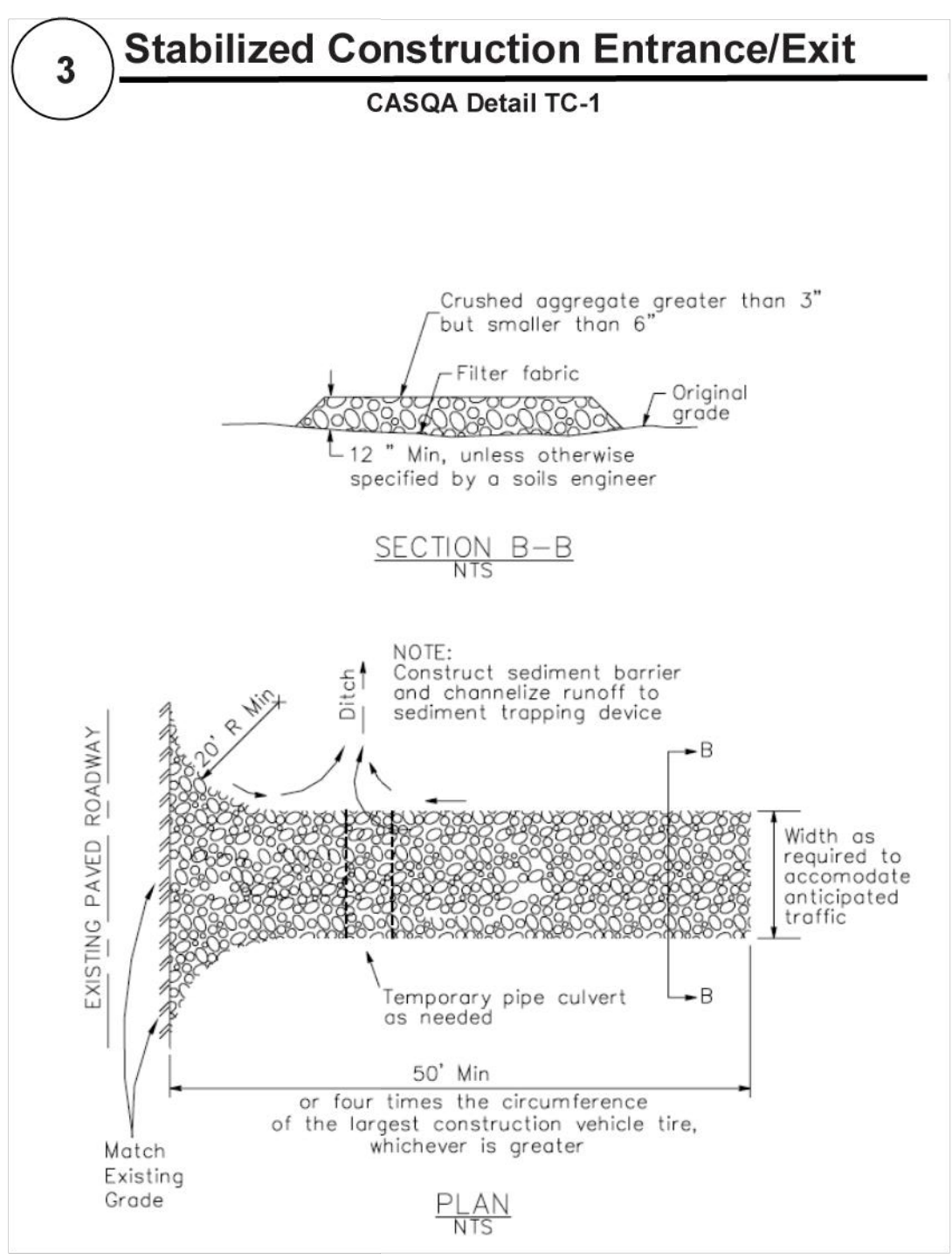
DATE SIGNED: 2/26/2024

Revisions	Date
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SANTA CLARA
COUNTY ROAD AND
AIRPORT STANDARDS

CVEAS JOB #:	2246
DATE:	2/26/2024
PLANNING SUBMITTAL #:	XX-XXXX
PLAN CHECK SUBMITTAL #:	XX-XXXX
DRAWN BY:	KX
CHECKED BY:	FL
SCALE:	NOTE ON PLANS

C6



STANDARD BEST MANAGEMENT PRACTICE NOTES

- Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

- Sediment Control Management:**
 - Tracking Prevention & Clean Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.
 - Storm Drain Inlet and Catch Basin Inlet Protection:** All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.
 - Storm Water Runoff:** No storm water runoff shall be allowed to drain in the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.
 - Dust Control:** The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.
 - Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (tarps, straw bales, silt fences, ect.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

Project Information

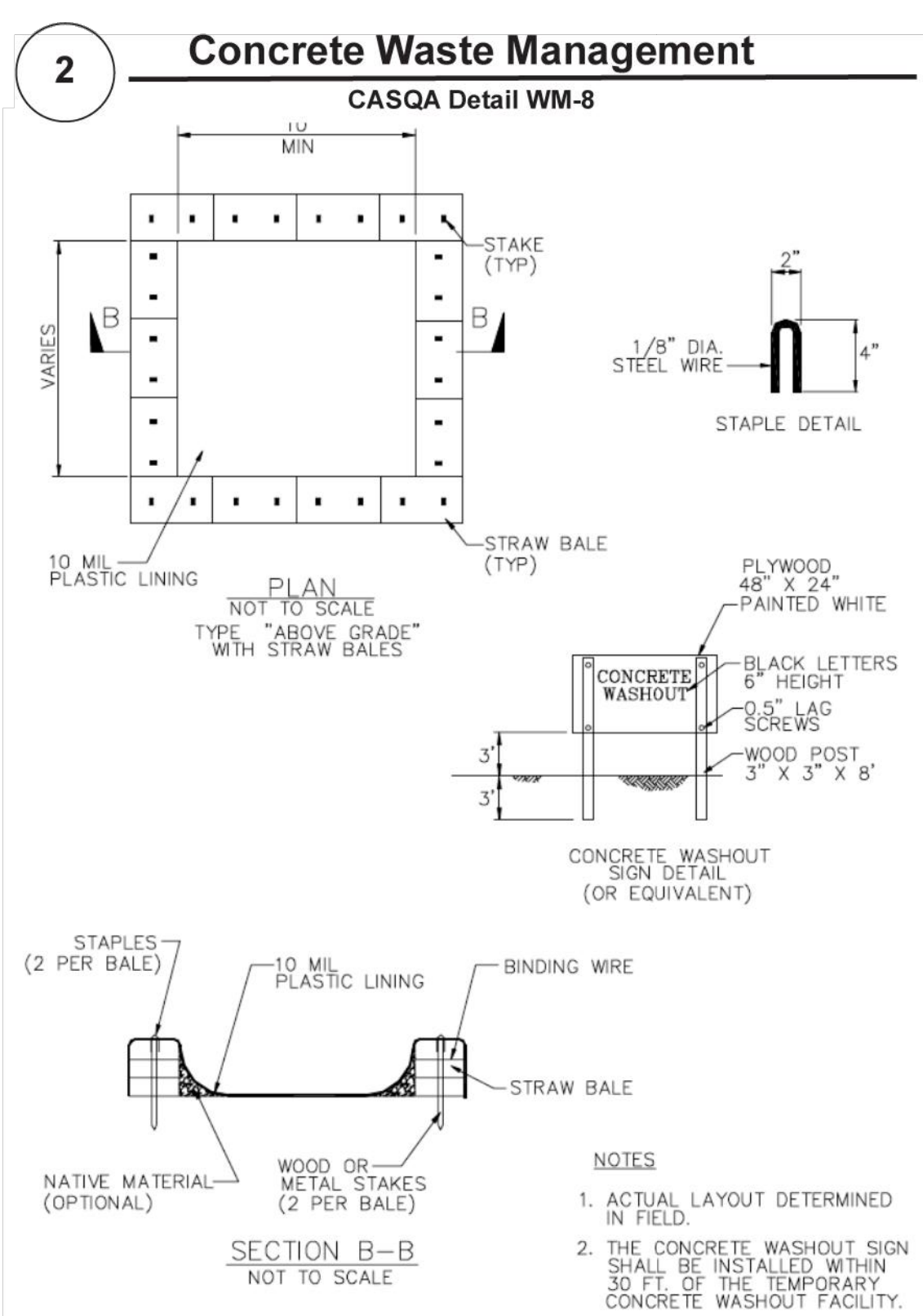
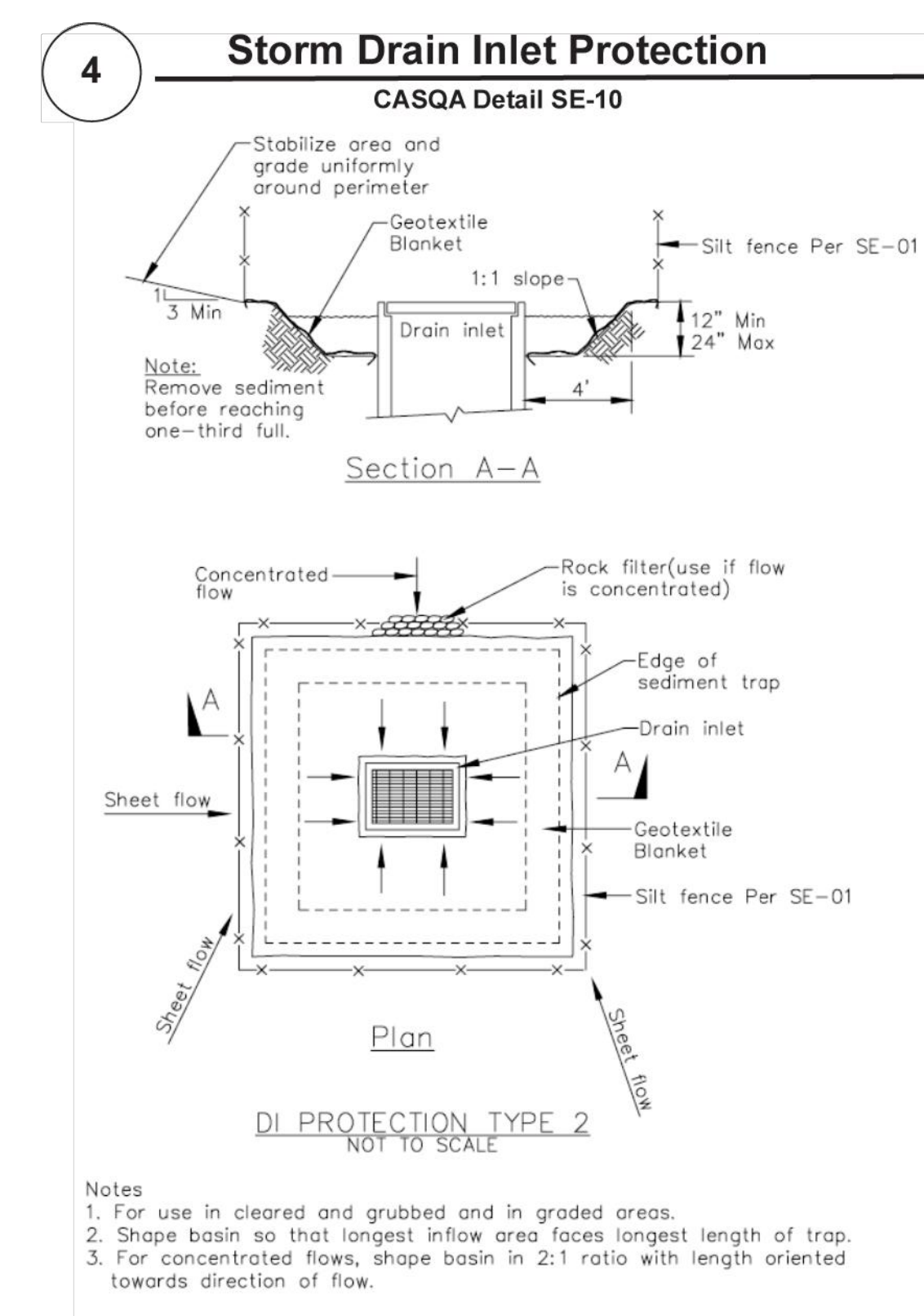
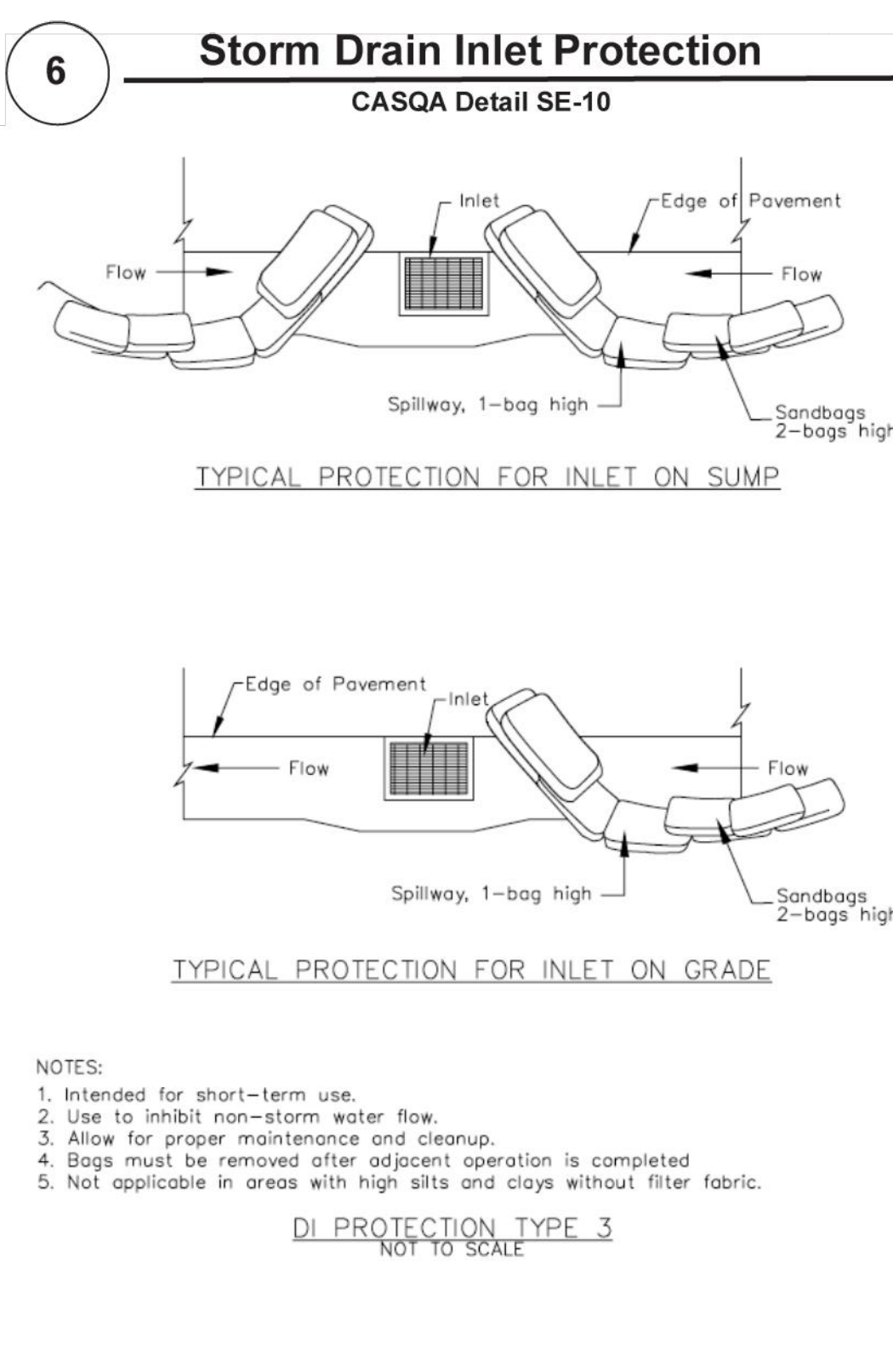
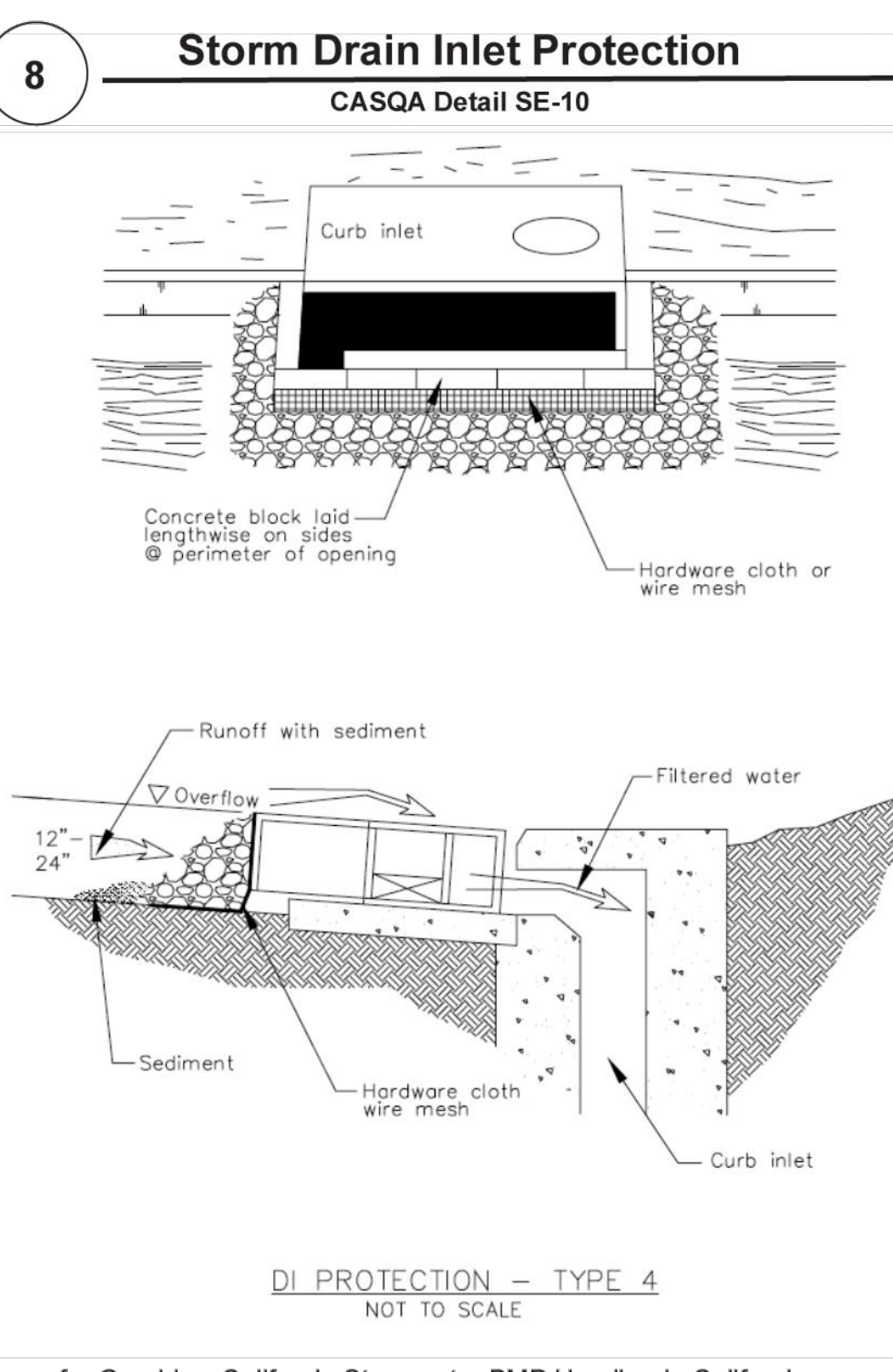
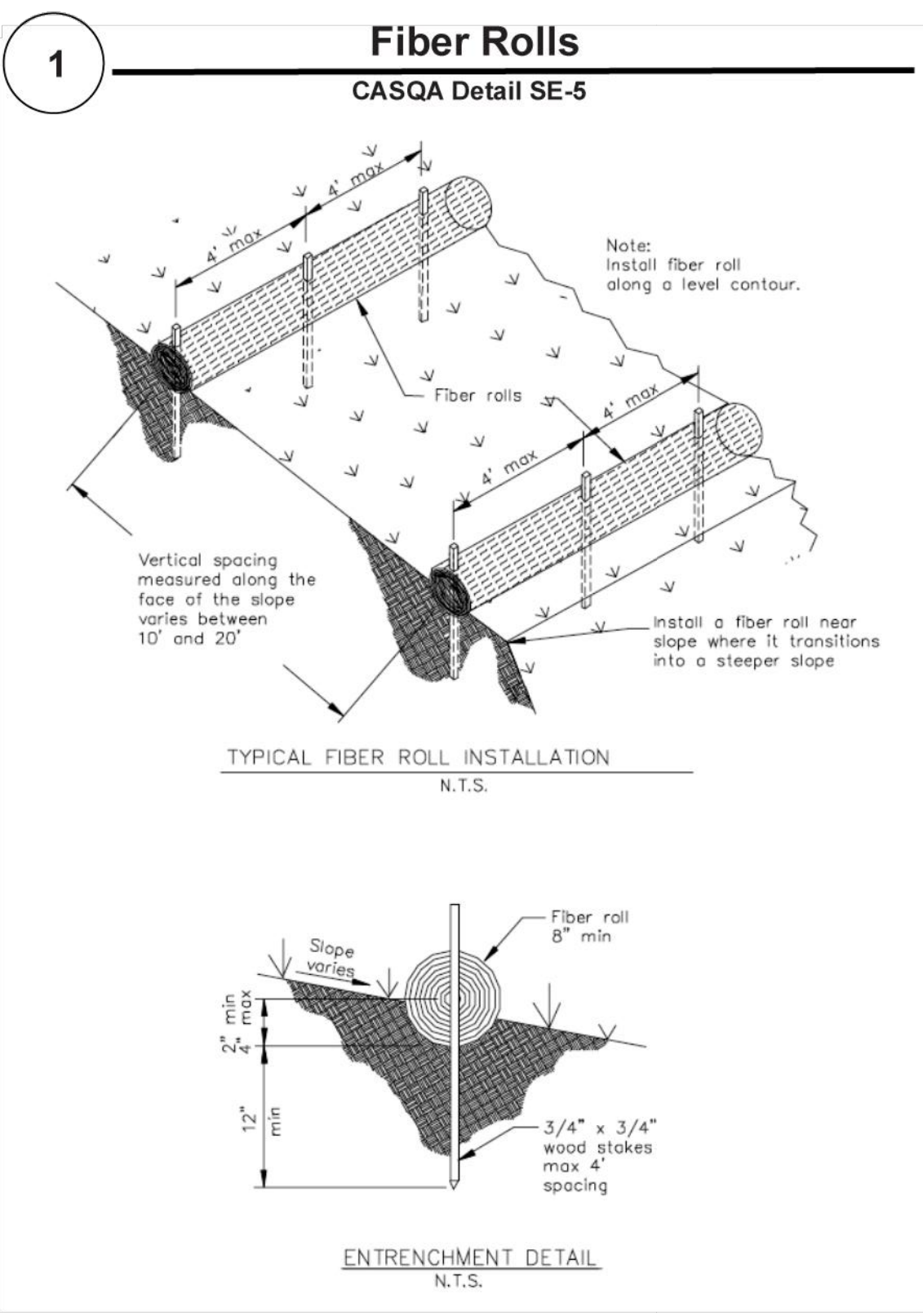
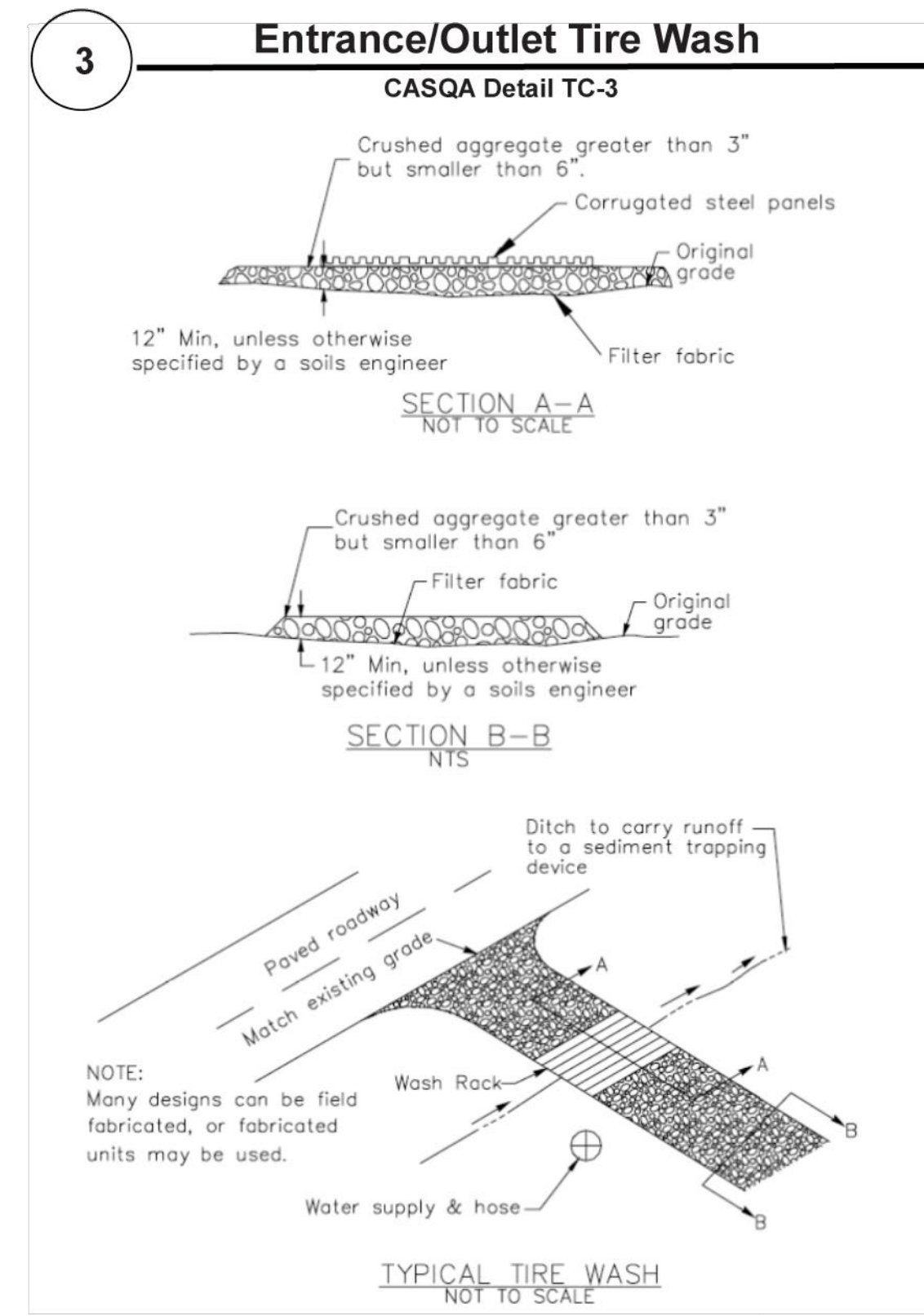
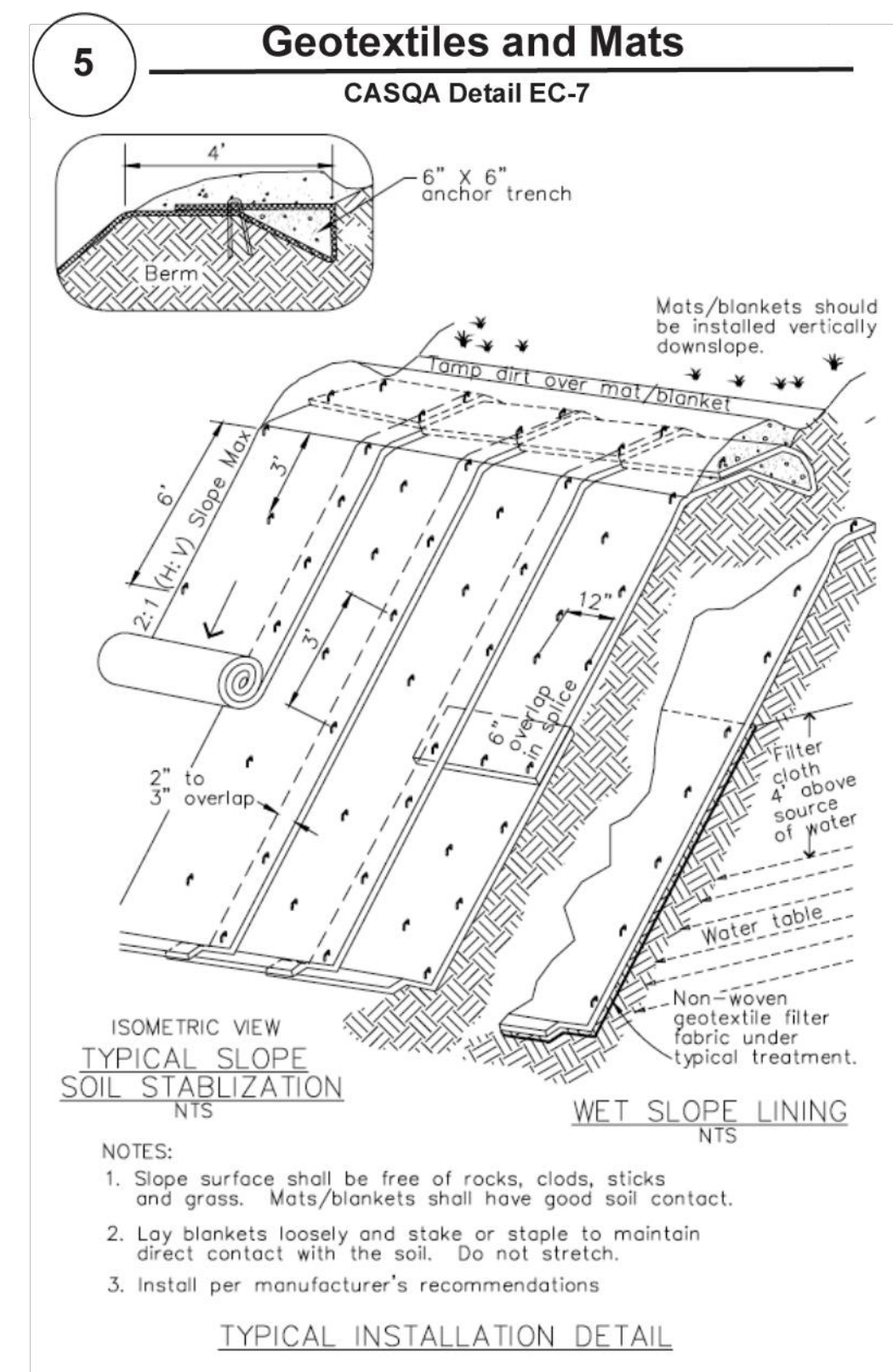
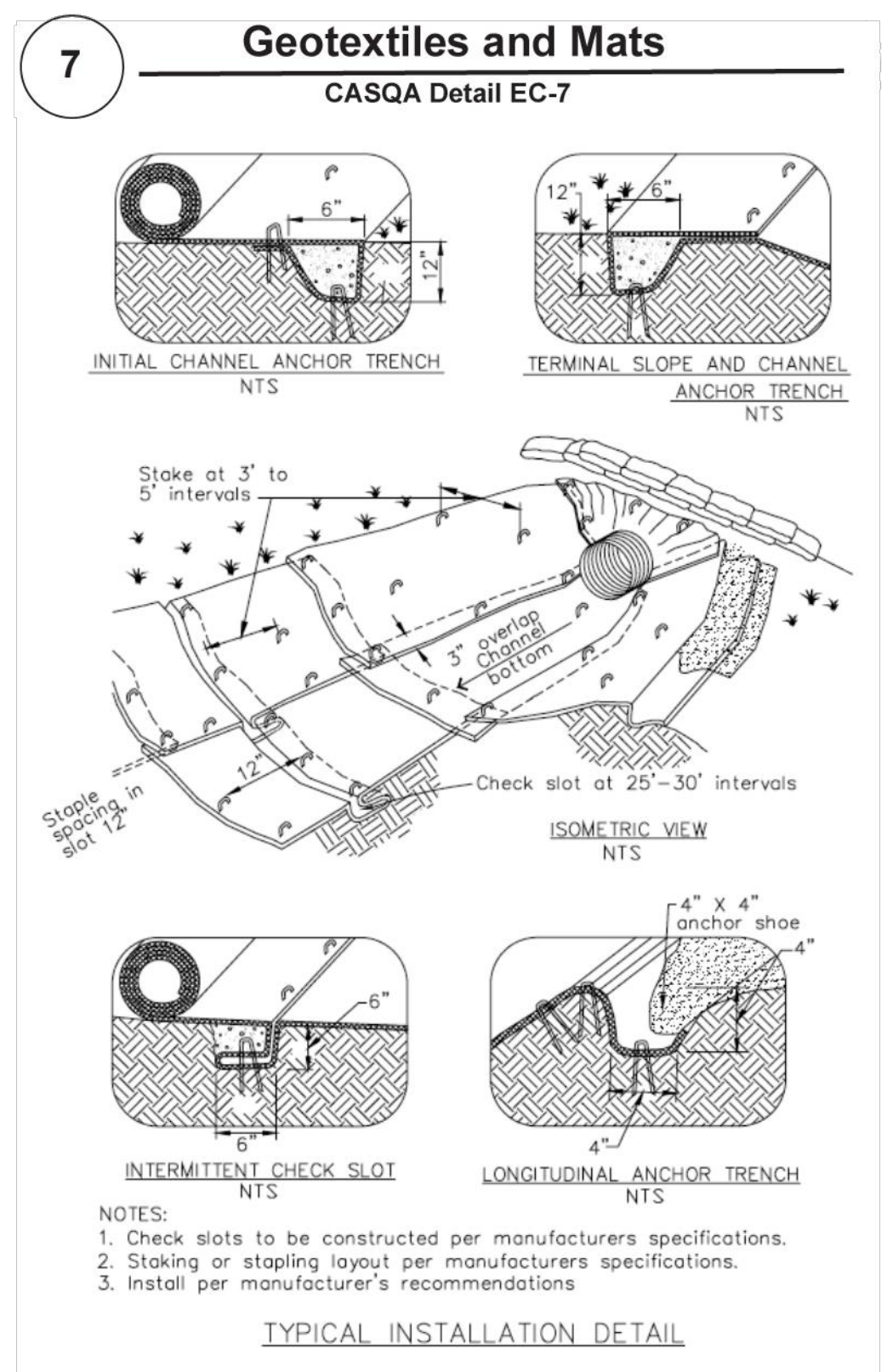
Best Management Practices and Erosion Control Details Sheet 1
County of Santa Clara



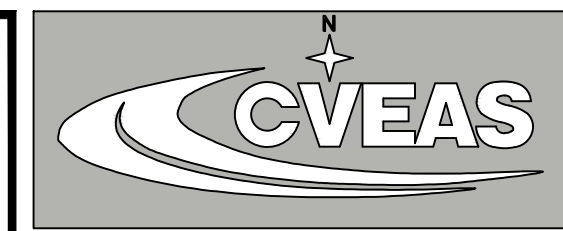
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CENTRAL VALLEY
 ENGINEERING & SURVEYING, INC.
 2511 LOSAN STREET Tel. (954) 841-8811
 SELMA, CA 93662 Fax (954) 841-8815
 WWW.CVEAS.COM Email: info@cveas.com

PROJECT
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 GURDEEP DHADWAL
 PALM AND DOUGHERTY AVE.
 MORGAN HILLS, CA 95037
 APN: 712-27-043

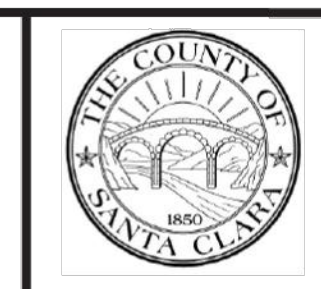


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SANTA CLARA
 COUNTY ROAD AND
 AIRPORT STANDARDS

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SCALE:	NOTE ON PLANS

Best Management Practices and Erosion Control Details Sheet 2
 County of Santa Clara

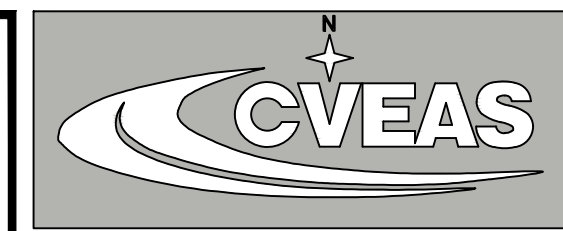


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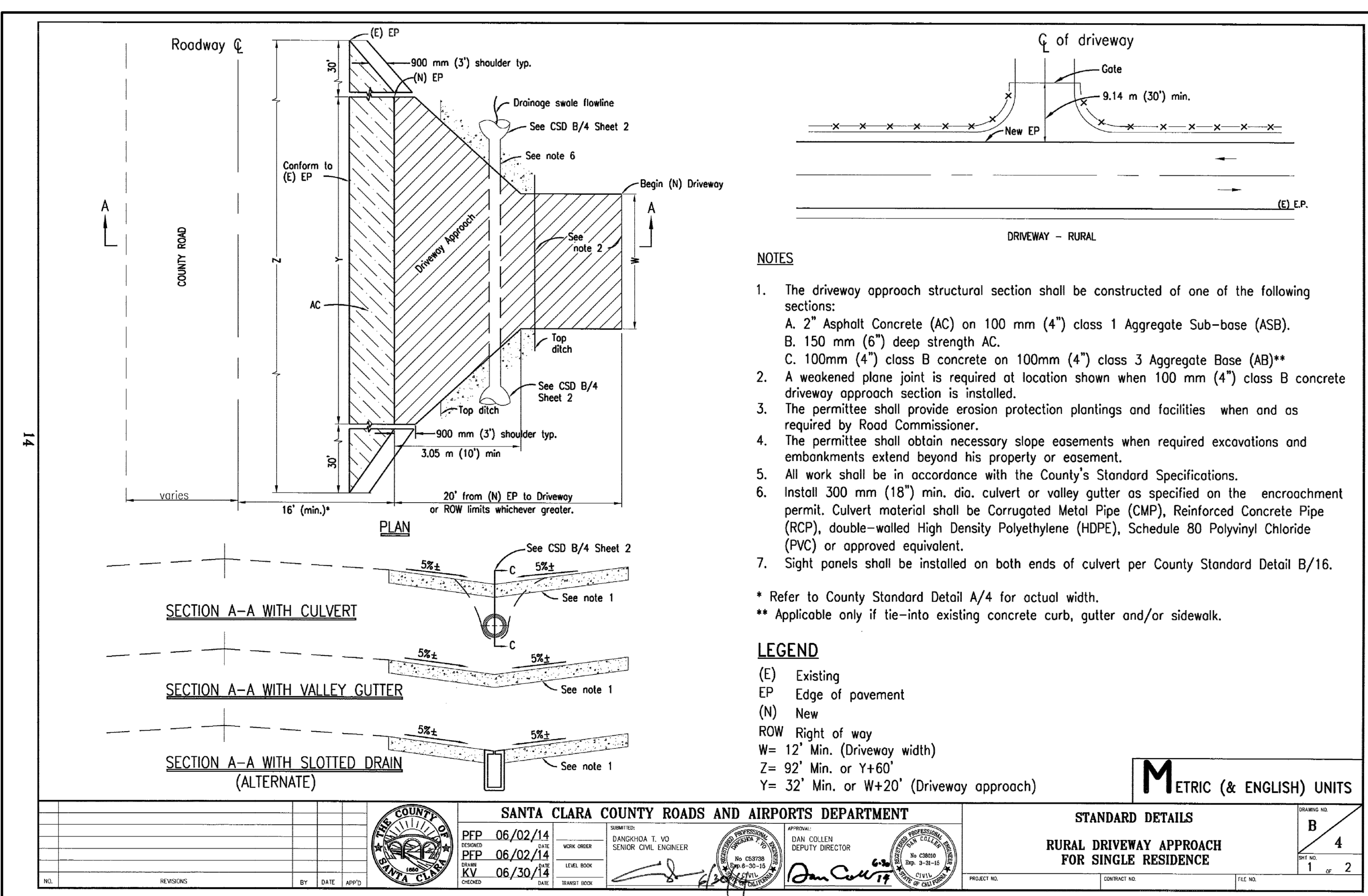
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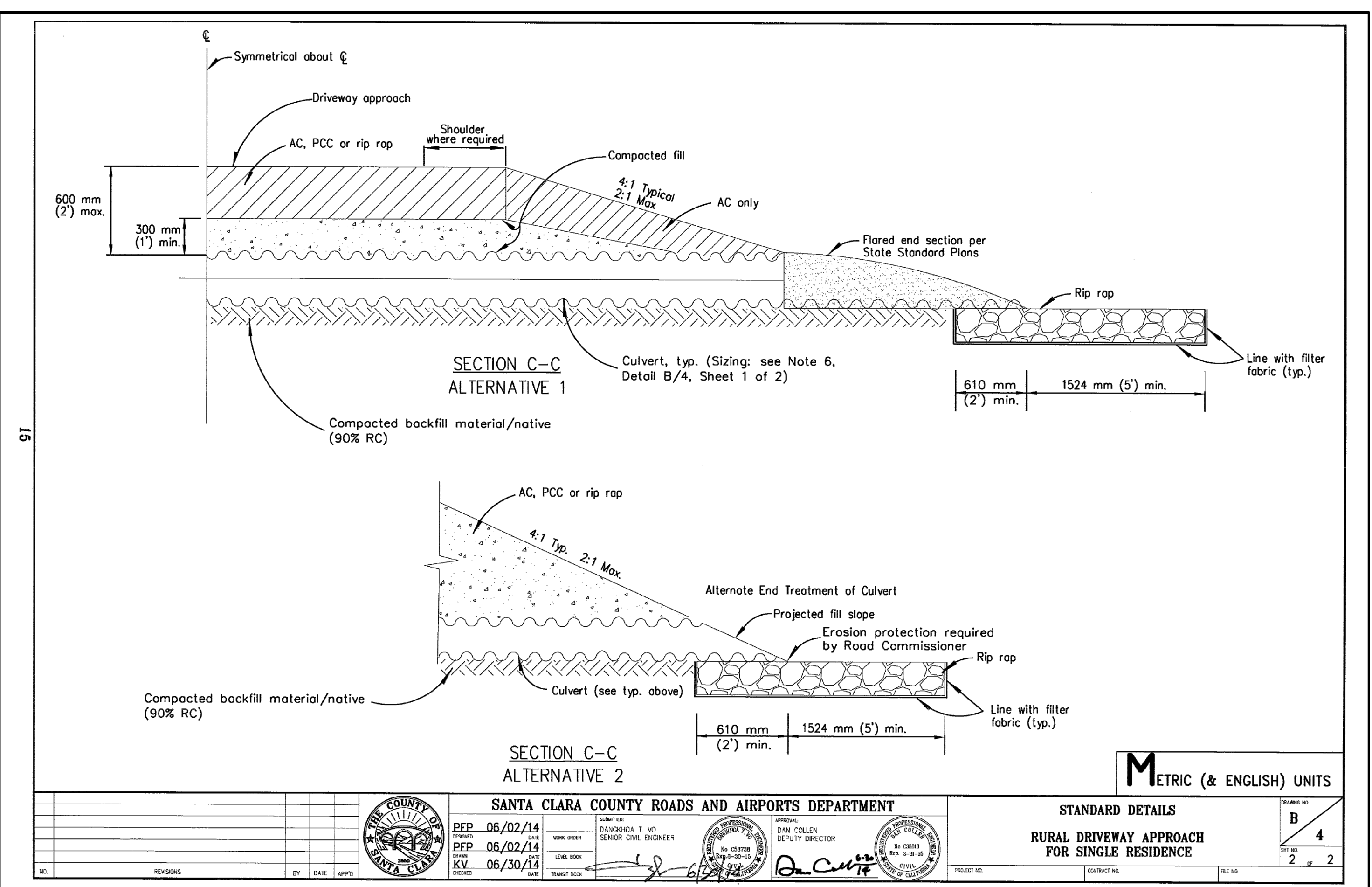
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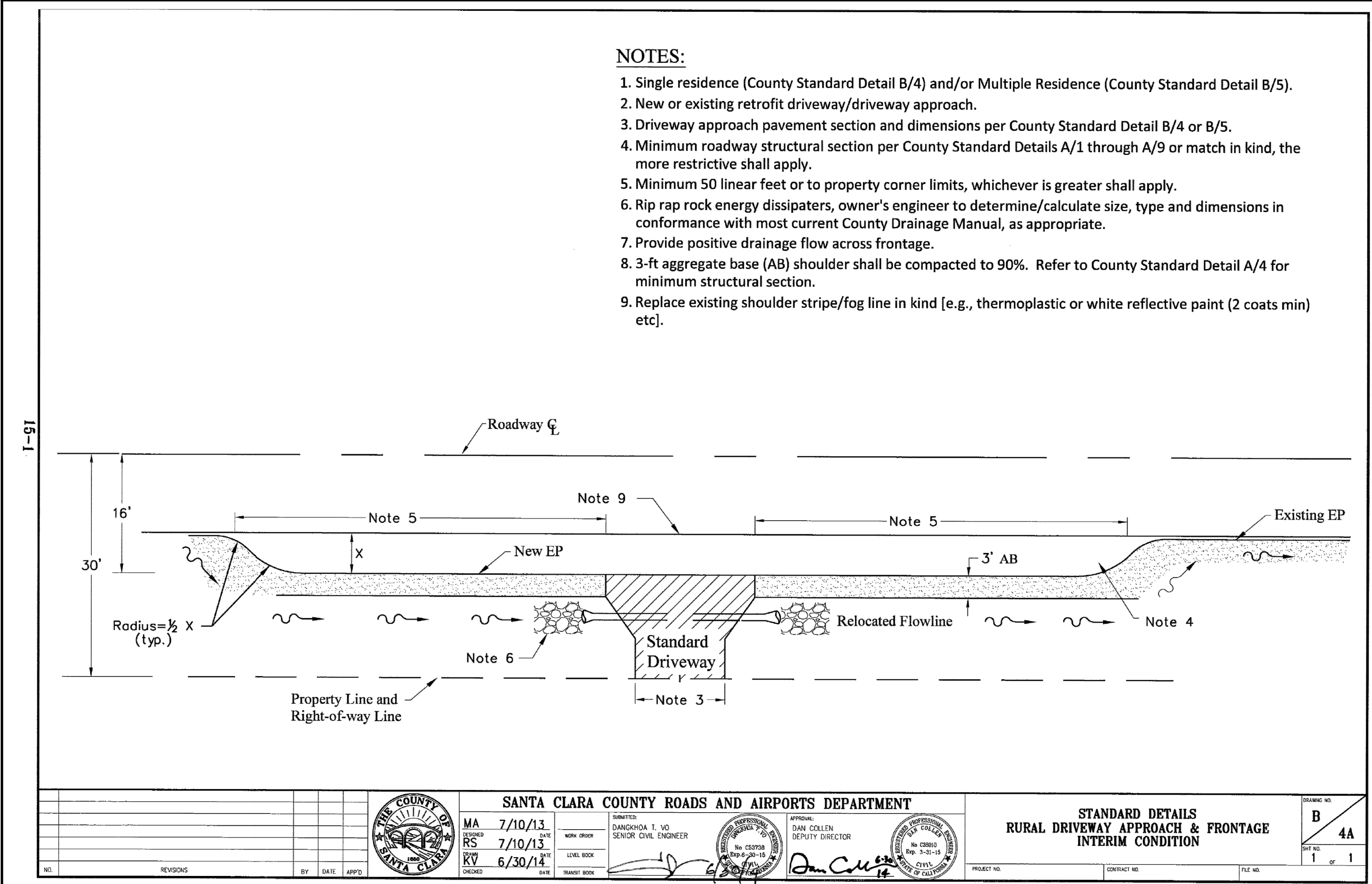
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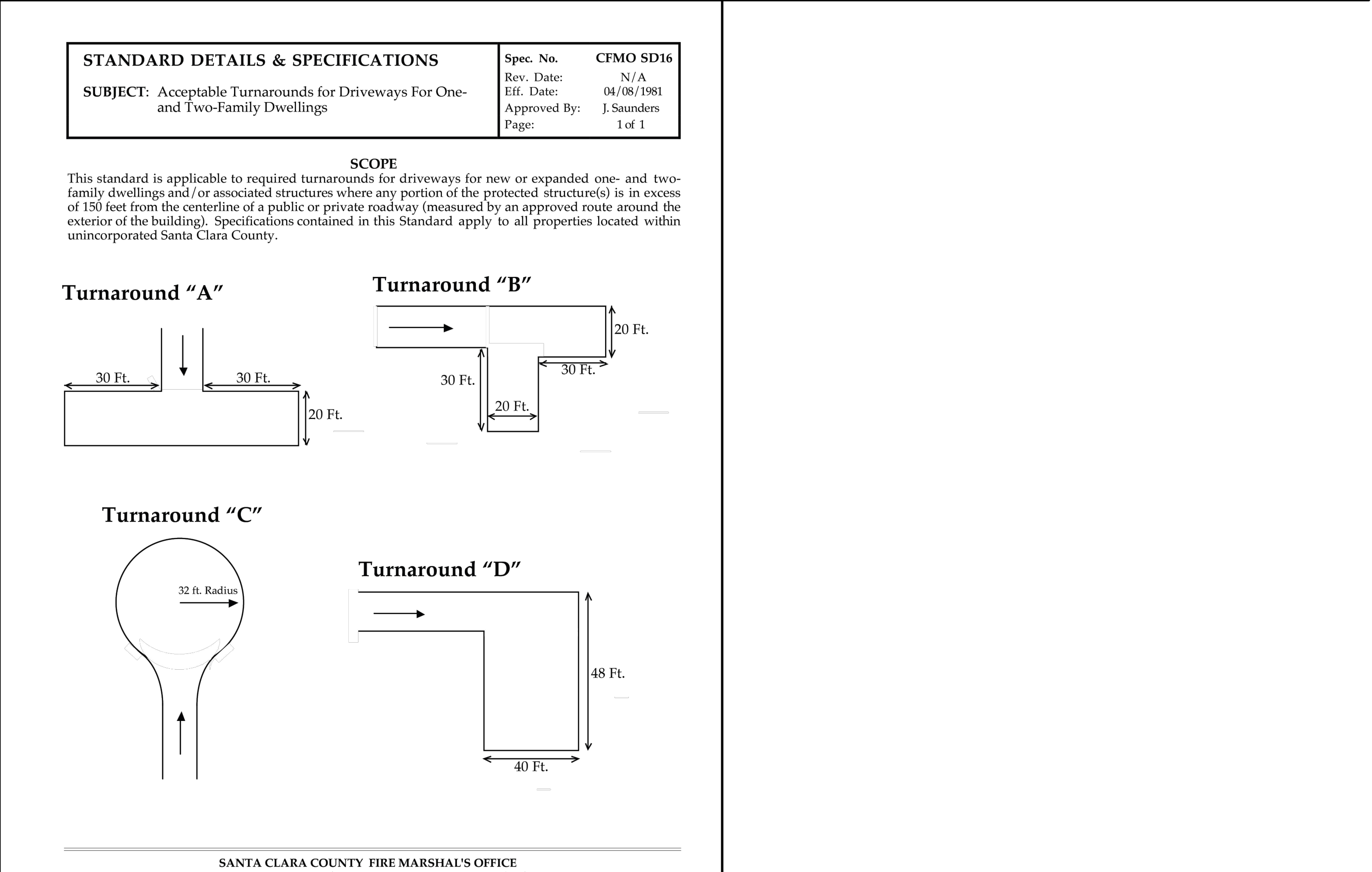
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B-4A SANTA CLARA COUNTY ROADS AND AIRPORTS DEPARTMENT STANDARD DWG.
 SCALE: N.T.S.



SD-16 SCMO - FIRE TRUCK TURN-AROUND
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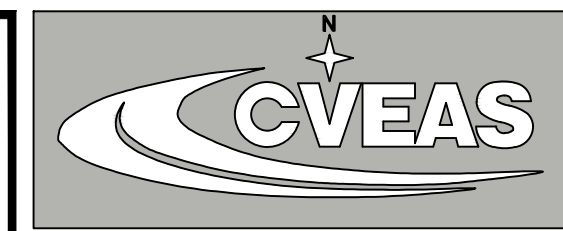
SANTA CLARA COUNTY ROAD AND AIRPORT STANDARDS

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 SELMA, CA 95662 Fax: (954) 841-8815
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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or support trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work vehicle
	Pavement markings that should be removed for a long-term project		

Table 6E-101(CA). Stopping Sight Distance as a Function of Speed on Downgrades.
 (Used as suggested longitudinal buffer space length or location for flagger station)

Speed (mph)	% Downgrade (Buffer Space)		
	-3% (feet)	-6% (feet)	-9% (feet)
20	116	120	126
25	158	165	173
30	205	215	227
35	257	271	287
40	315	333	354
45	378	400	427
50	446	474	507
55	520	553	593
60	598	638	686
65	682	728	785
70	771	825	891
75	866	927	1003

* Exhibit 3-2. A Policy on Geometric Design of Highways and Streets, AASHTO, 2001, p.115.

- Use appropriate TCP as needed during construction depending on type of work (for example, to block a lane, block the shoulder, or work off of the shoulder without blocking it).
- See the County Road Book at www.countyroads.org to confirm "Local Road" classification ("Local Urban", "Local Rural" as shown in note 5a on intro page of County Road Book)
- These TCP sheets for use on Local Roads only. All other classifications require an engineered site-specific plan.

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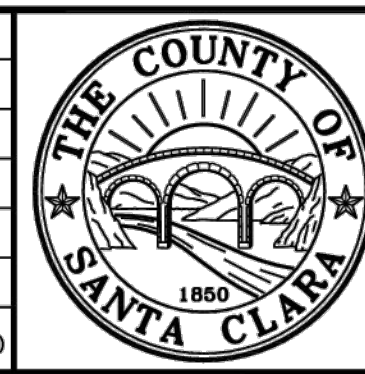
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SANTA CLARA COUNTY ROAD AND AIRPORT STANDARDS

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COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

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 DRAWN: 5-2015 DATE: 5-2015
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SUBMITTED: _____ APPROVED: _____

STANDARD TRAFFIC CONTROL PLANS - LOCAL NOTES & LEGEND

WORK ORDER No. xx ADVERTISEMENT DATE: CONTRACT No. FILE No. Scale

DRAWING No. TCP
 SHEET No. of

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**Notes for Figure 6H-10 6H-10(CA) and 6H-10A(CA) —Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers**

Option:

1. For low-volume (Refer to Part 5, Section 5A.01) situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.

Standard:

5. At night, flagger stations shall be illuminated, except in emergencies.

Guidance:

6. When used, the BE PREPARED TO STOP sign should be located ~~between~~ after the Flagger sign and the ONE LANE ROAD sign.
7. When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.
8. When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.
9. When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.
10. Early coordination with the railroad company or light rail transit agency should occur before work starts.

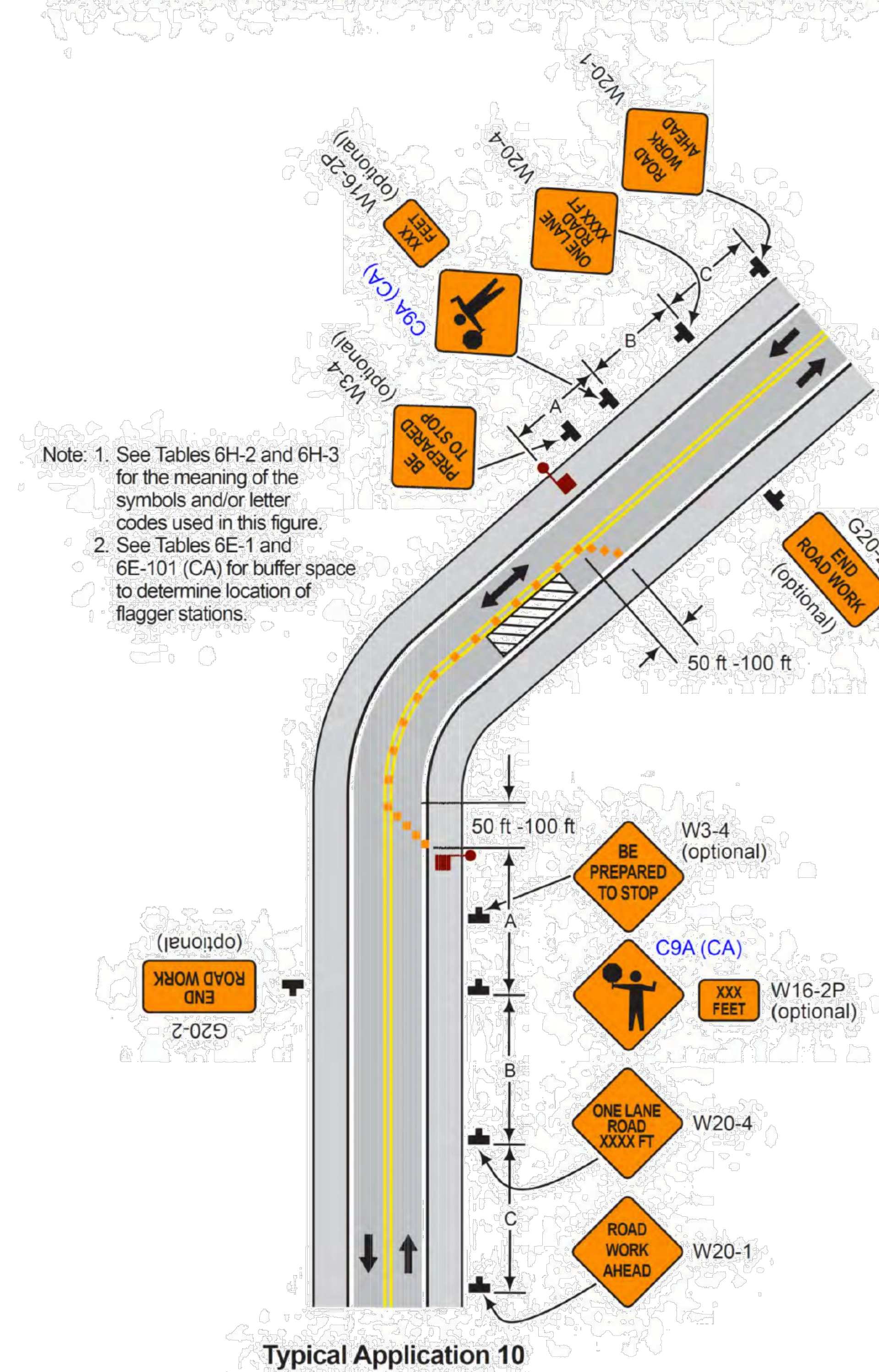
Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Support:

12. For State highways, see Caltrans' Standard Plan T13. See Section 1A.11 for information regarding this publication.
13. If portable transverse rumble strips are used for flagging operations, refer to Section 6F.87.

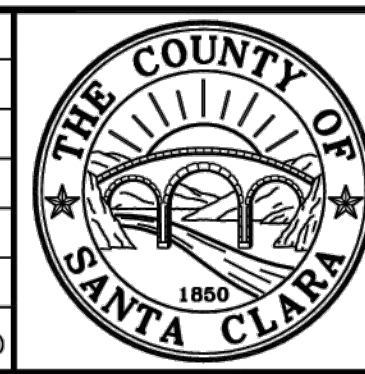
Figure 6H-10 (CA). Lane Closure on Two-Lane Road Using Flaggers (TA-10)



Note: 1. See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.
2. See Tables 6E-1 and 6E-101 (CA) for buffer space to determine location of flagger stations.

Typical Application 10

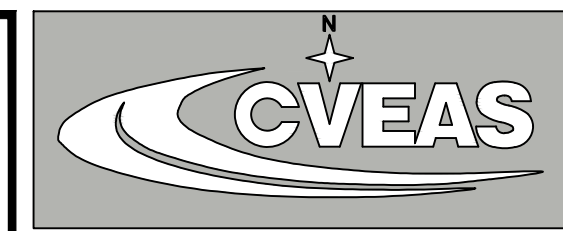
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STANDARD TRAFFIC CONTROL PLANS - LOCAL LANE CLOSURE WITH FLAGGERS			
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xx			
DRAWING No.	TCP		
SHEET No.			

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