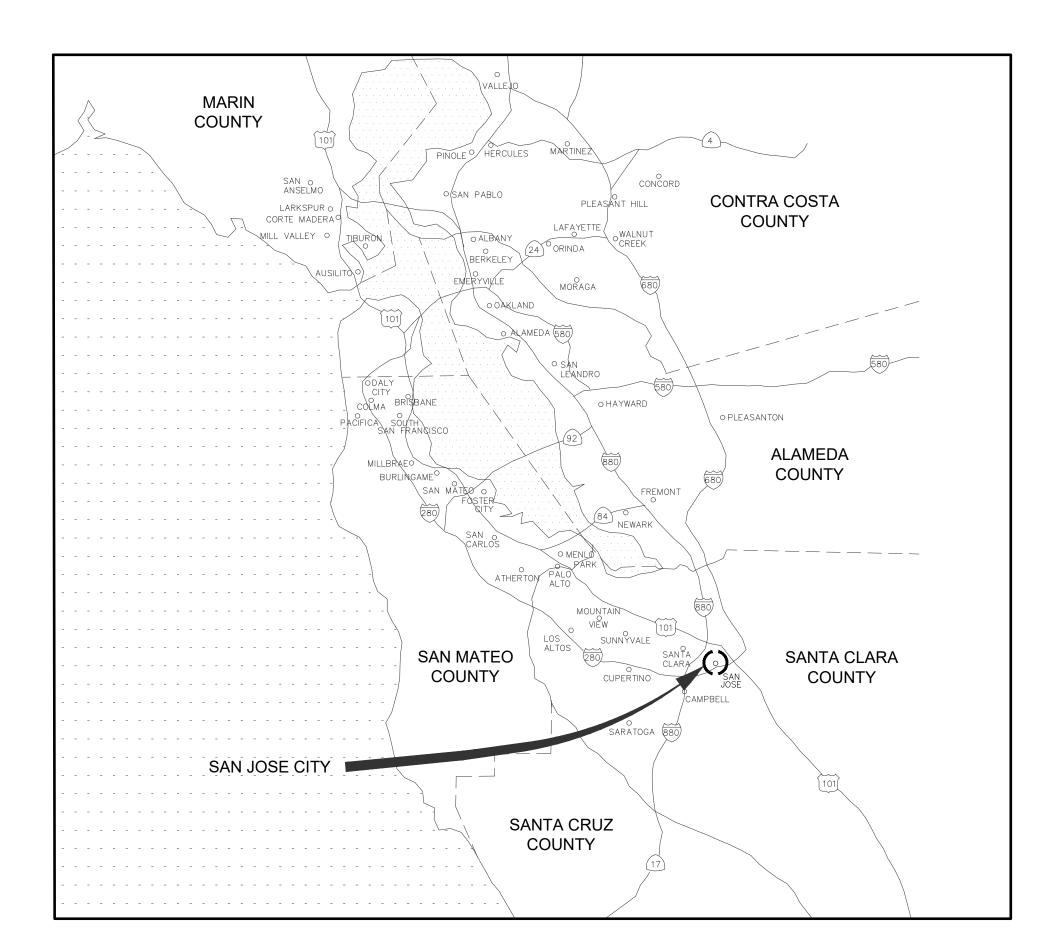
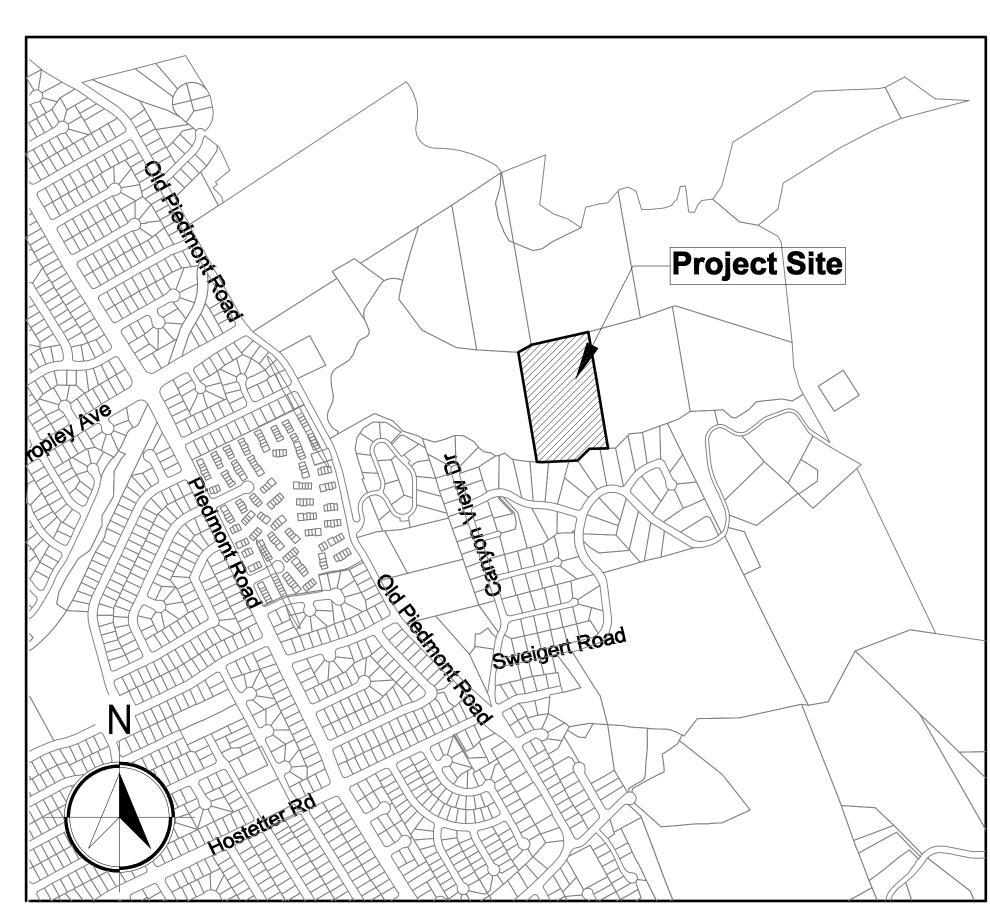
RESIDENTIAL UNIT REMODELING, ADDITION & ADU 1820 OLD PIEDMONT RD,

SAN JOSE, CA 95132

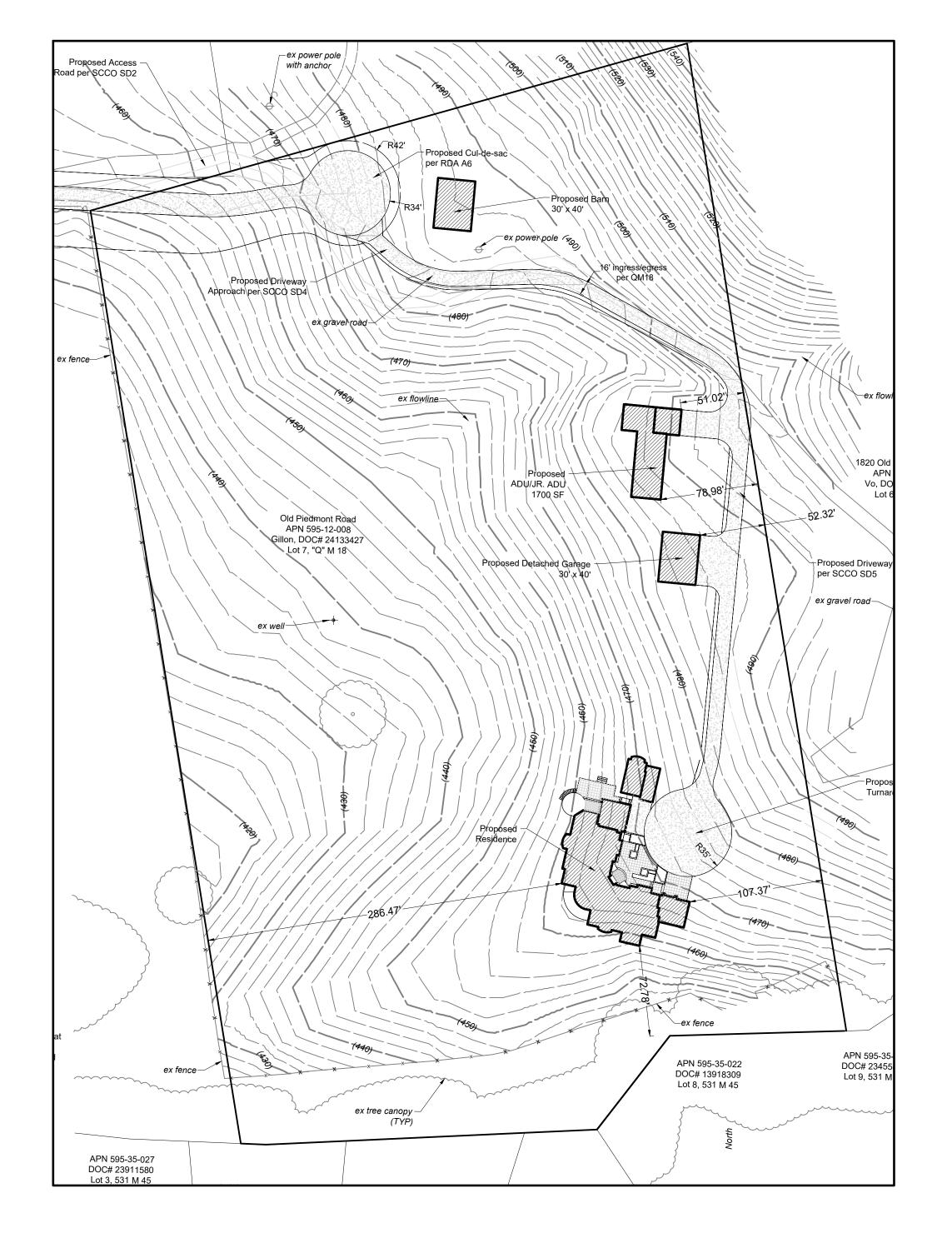


PROJECT VICINITY MAP



PROJECT LOCATION MAP

OWNER INFO. / PROJECT DATA APPLICABLE CODES: OWNER: JURISDICTION: CITY OF SAN JOSE BUILDING CODE: DESIGNER **JULIUS KEN BACINILLO** 2022 CALIFORNIA BUILDING CODE AMENDMENTS 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE 595-12-008 2022 CALIFORNIA MECHANICAL CODE SANTA CLARA 2022 CALIFORNIA ELECTRICAL CODE COUNTY 2022 CALIFORNIA PLUMBING CODE LOT SIZE: 10.58 ACRE 2022 CALIFORNIA ENERGY CODE ZONING: 2022 CALIFORNIA FIRE CODE & ALL RELATED 2022 SAN JOSE BUILDING CODE FIRE RESPONSIBILITY AREA:



ABBREVIATIONS

| | @ © O (E) P | AT CENTERLINE DIAMETER EXISTING PROPERTY LINE | FND FIN FLR FOS FOF FLUOR | FOUNDATION FINISH FLOOR FACE OF STUD FACE OF FINISH FLUORESCENT |
|---|--------------------------------------|--|--|---|
| | AD ASB A.F.F. BD BLDG | AREA DRAIN ASBESTOS ABOVE FIN. FLR. BOARD BUILDING | GA G.C. GND GYP. BD. | GAUGE GEN. CONTRACTOR GROUND GYPSUM BOARD |
| | BLK BOT BUR CAB C.B. | BLOCK BOTTOM BUILT-UP ROOFING CABINET CATCH BASIN | H.C. HDWR HP H.W. | HANDICAP HARDWARE HIGH POINT HOT WATER |
| | CEM CER CLG | CEMENT CERAMIC CEILING | INSUL INT | INSULATION INTERIOR |
| | CLR CLO COL | CLEAR CLOSET COLUMN | MECH MET (N) | MECHANICAL METAL NEW |
| | CONSTR CONT CTR | CONSTRUCTION CONTINUOUS CENTER | NIC NO./# | NOT IN CONTRACT NUMBER |
| | DBL D.F. DET | DOUBLE DRINKING FOUNTAIN DETAIL | O.C. OPP | ON CENTER OPPOSITE |
| DIM DIA DISP DN DR DWR DS DWG E EA EL ELEC EQ | DIA DISP DN DR DWR DS | DIMENSION DIAMETER DISPENSER | PLAS PLYWD RD | PLASTER PLYWOOD ROOF DRAIN |
| | | DOWN DOOR DRAWER DOWNSPOUT DRAWING | | ROUGH OPENING SHEET |
| | | | STOR T.B.A. | STORAGE TO BE ASSIGNED |
| | EA EL ELEC EQ EQUIP | EAST EACH ELEVATION ELECTRICAL EQUIPMENT | T/G TYP. | TONGUE & GROOVE TYPICAL |
| | | | UNF. UON | UNFINISHED UNLESS OTHERWISE NOTED |
| | EXP | EXISTING EXPANSION EXTERIOR | WD WP | WOOD WATERPROOF |

| | ESTIMATED | WORK QUANTITIES |
|----|-------------|---|
| | CUT: | 4,485 CUBIC YARDS |
| | FILL: | 14,840 CUBIC YARDS |
| | NET (FILL): | 10,355 CUBIC YARDS |
| NO | TES: | NITITIES DEOVIDED AROVE ARE TO BE LISED |

- 1. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY.
- 2. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES AND/OR CONTOURS AS PROVIDED ON THE BASE SURVEY, THE ESTIMATED EARTHWORK DOES NOT ACCOUNT FOR THE THICKNESS OF PAVEMENTS, FOUNDATIONS AND SLABS ON GRADE, FOOTINGS, CLEARING AND GRUBBING, OVER EXCAVATION AND RECOMPACTION, AND CONSTRUCTION MEANS AND METHODS.
- 3. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE AND/OR EXPANSION FACTORS DUE TO COMPACTION OR OVER EXCAVATION QUANTITIES.
- 4. THE CONTRACTOR SHALL CALCULATE THEIR OWN EARTHWORK QUANTITIES NECESSARY FOR THEIR BID AND WORK.
- 5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ONSITE MATERIALS ARE SUITABLE FOR BACKFILLING, HOWEVER, ACTUAL EXISTING ONSITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.

SHEET INDEX

ARCHITECTURAL

- A0.0 COVER SHEET & GENERAL INFORMATION A1.0 EARTHWORK QUANTITIES A2.0 OVERALL PROPOSED SITE PLAN A3.0 PARTIAL SITE PLAN 1 A4.0 PARTIAL SITE PLAN 2 A5.0 PARTIAL SITE PLAN 3
- A6.0 PARTIAL SITE PLAN 4 A7.0 PARTIAL SITE PLAN 5 A8.0 PARTIAL SITE PLAN 6
- BMP-1 BMP AND EROSION CONTROL DETAILS BMP-2 BMP AND EROSION CONTROL DETAILS

SCOPE OF WORK

CONSTRUCT NEW TWO STORY RESIDENTIAL CUSTOM HOUSE WITH DETACHED ADU



6090 Hellyer Ave, Unit 150 , San Jose, CA, United States,

408-964-8445 mfashomes.com



JULIUS KEN C. BACINILLO



Structural Engineer

1820 OLD PIEDMONT RD. SAN JOSE, CA 95132

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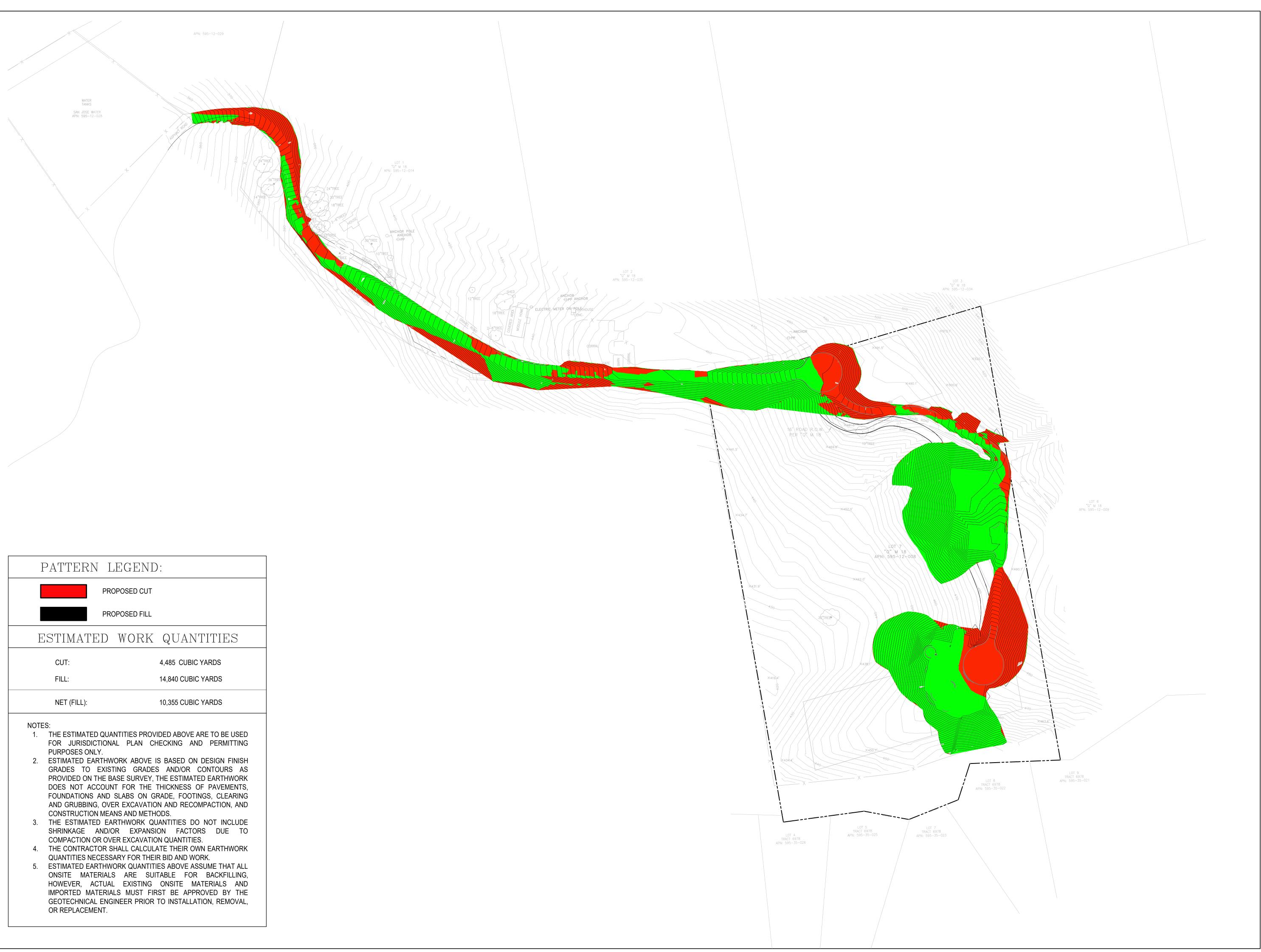
Job No. – Issue Date: 2023-05-08

Drawing Title

COVER SHEET; **GENERAL INFO**

A0.0

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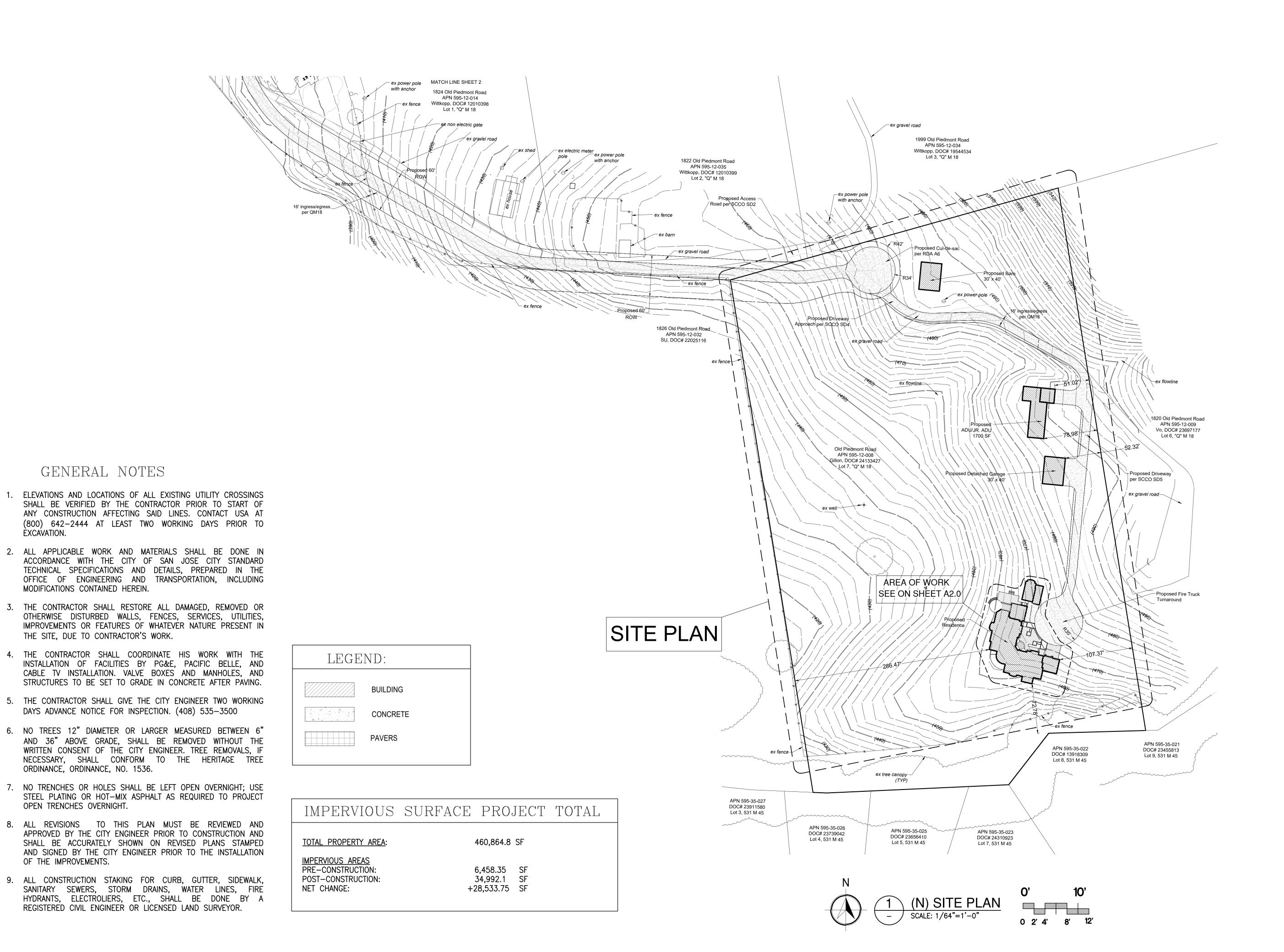
Reference North

Drawing Title

EARTHWORK QUANTITIES

A1.0

Sheet



EXCAVATION.

OF THE IMPROVEMENTS.



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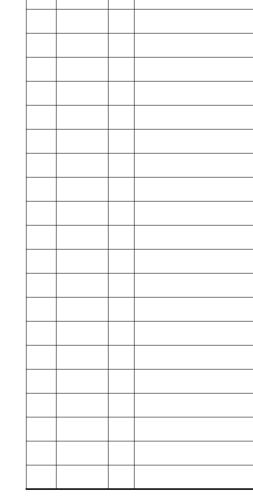
JULIUS KEN C. BACINILLO DESIGNER



Structural Engineer

1820 OLD PIEDMONT RD. SAN JOSE, CA 95132

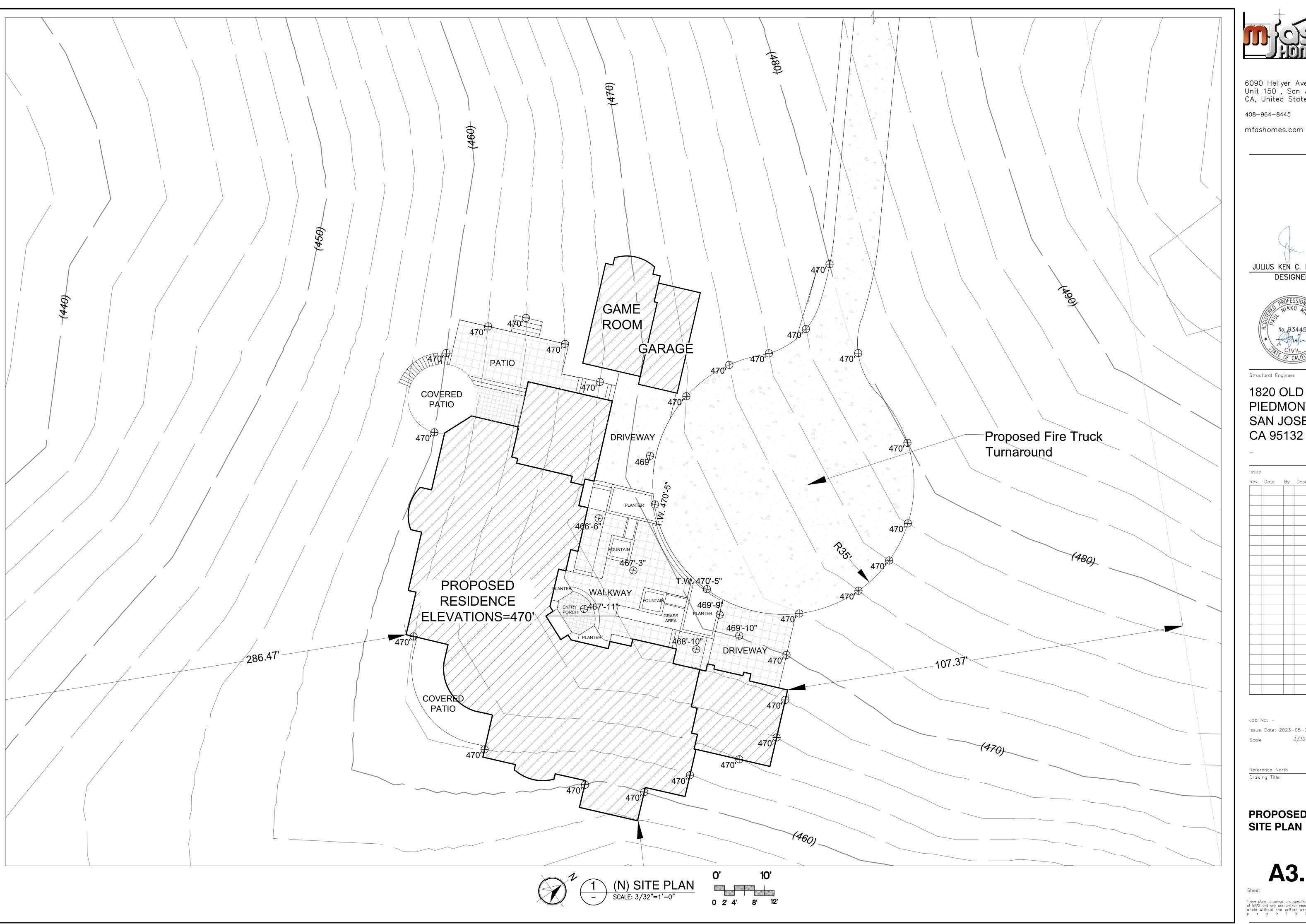
Rev Date By Description



Job No. – Issue Date: 2023-05-08 3/32" = 1'-0"

Reference North Drawing Title

> **PROPOSED** SITE PLAN





408-964-8445

JULIUS KEN C. BACINILLO DESIGNER



Structural Engineer

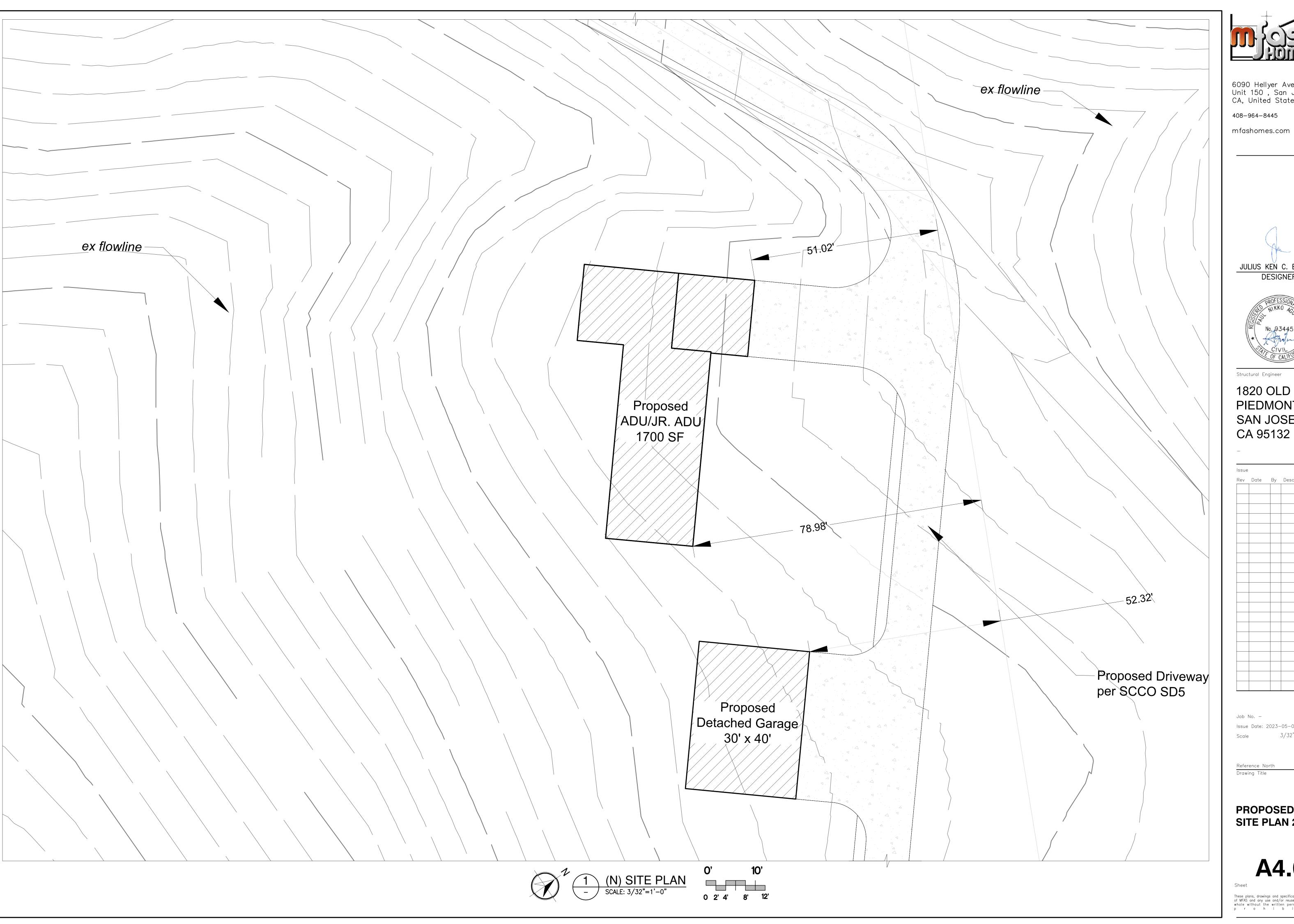
1820 OLD PIEDMONT RD. SAN JOSE, CA 95132

Rev Date By Description

Job No. – 3/32" = 1'-0"

Drawing Title

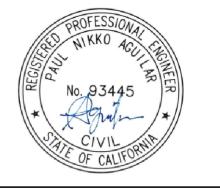
PROPOSED PARTIAL SITE PLAN 1





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JULIUS KEN C. BACINILLO DESIGNER



Structural Engineer 1820 OLD

PIEDMONT RD. SAN JOSE, CA 95132

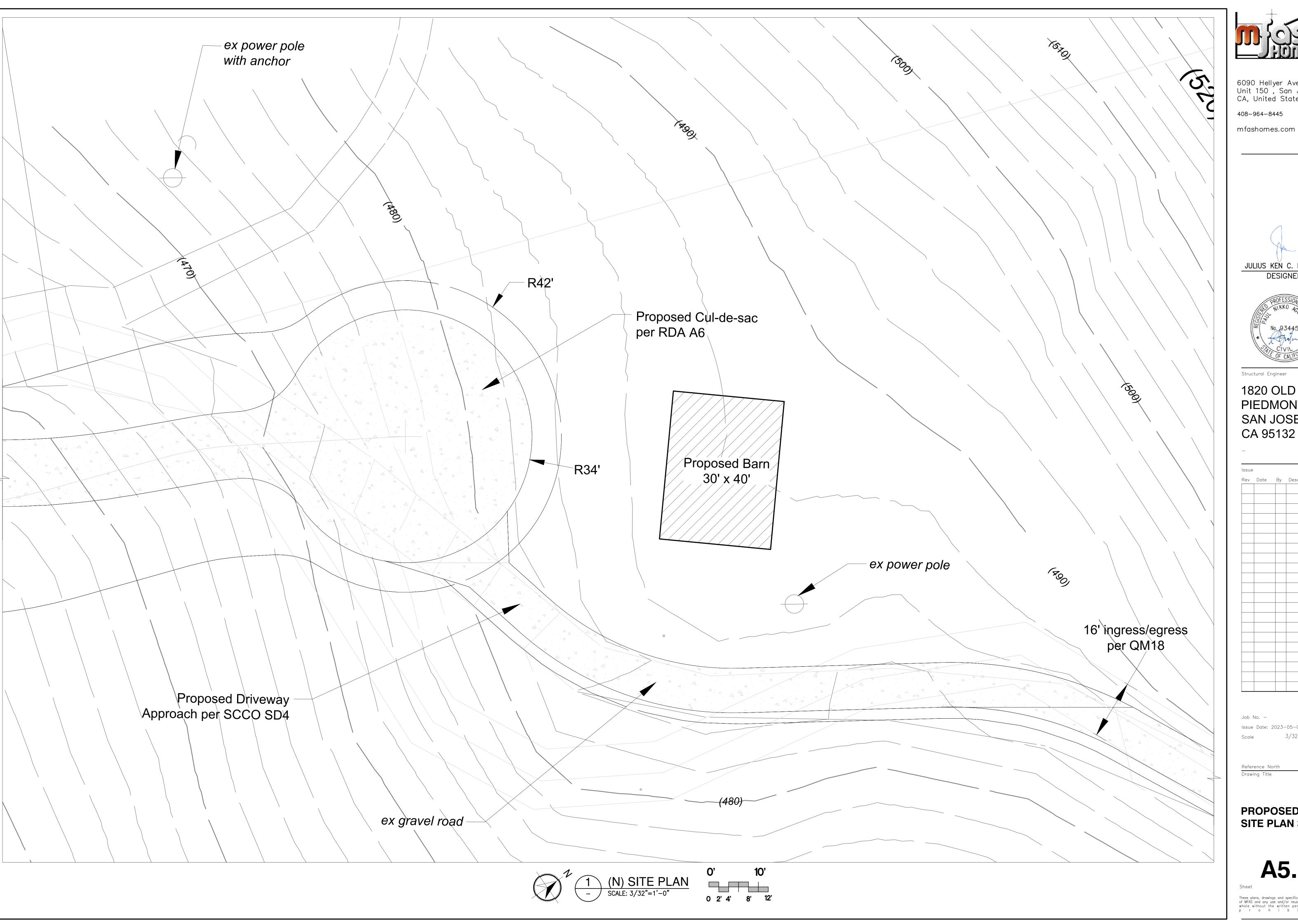
Rev Date By Description

Job No. – Issue Date: 2023-05-08 3/32" = 1'-0"

Drawing Title

PROPOSED PARTIAL SITE PLAN 2

A4.0





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Structural Engineer

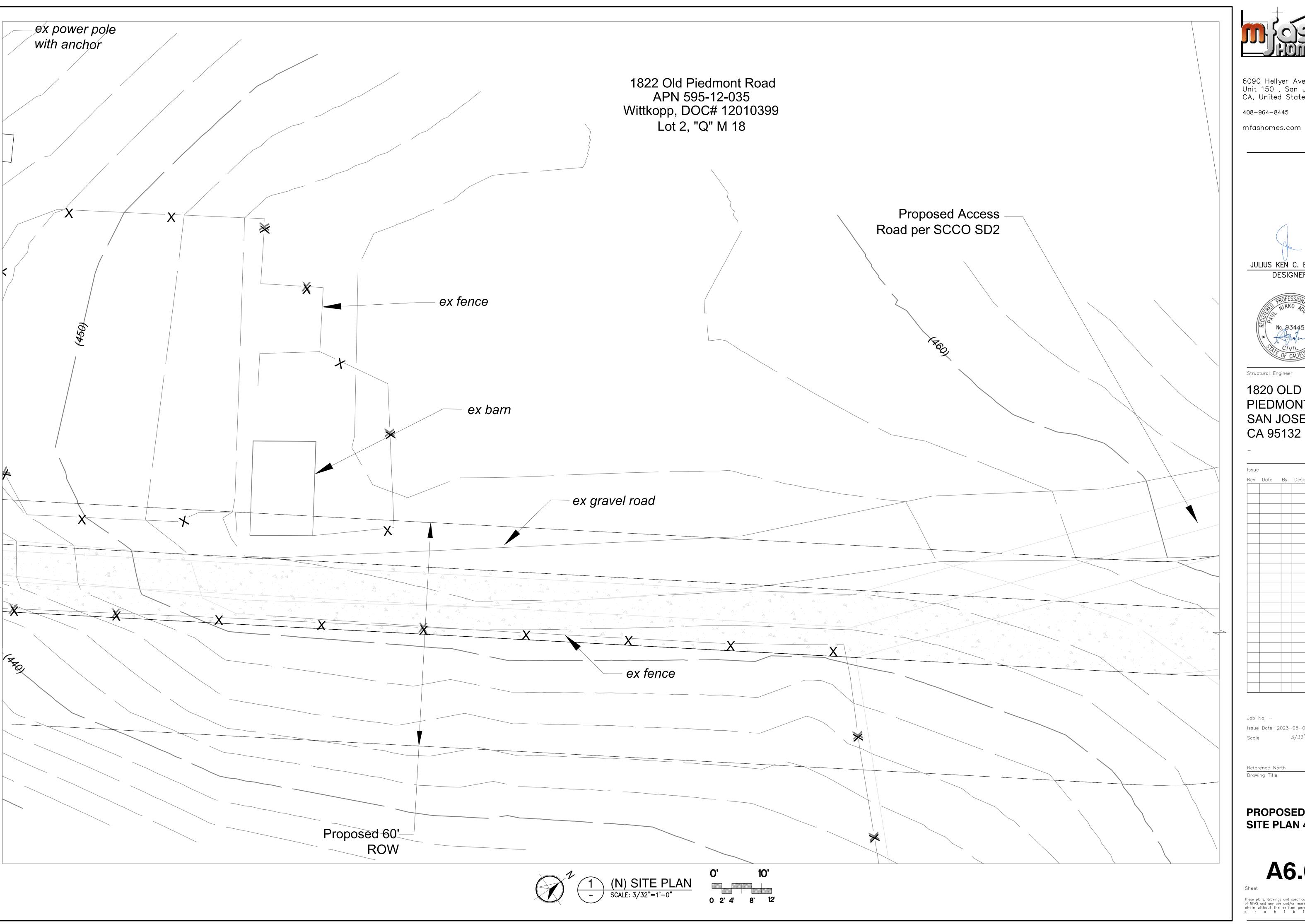
1820 OLD PIEDMONT RD. SAN JOSE, CA 95132

Rev Date By Description

Issue Date: 2023-05-08 3/32" = 1'-0"

PROPOSED PARTIAL SITE PLAN 3

A5.0





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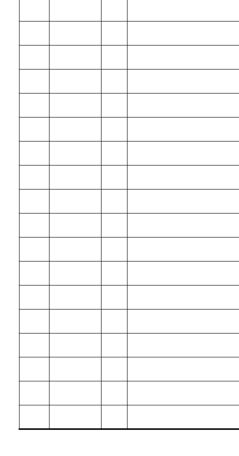




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Job No. – Issue Date: 2023-05-08 3/32" = 1'-0"

Drawing Title

PROPOSED PARTIAL SITE PLAN 4

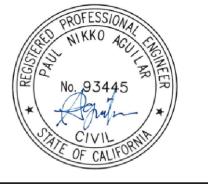
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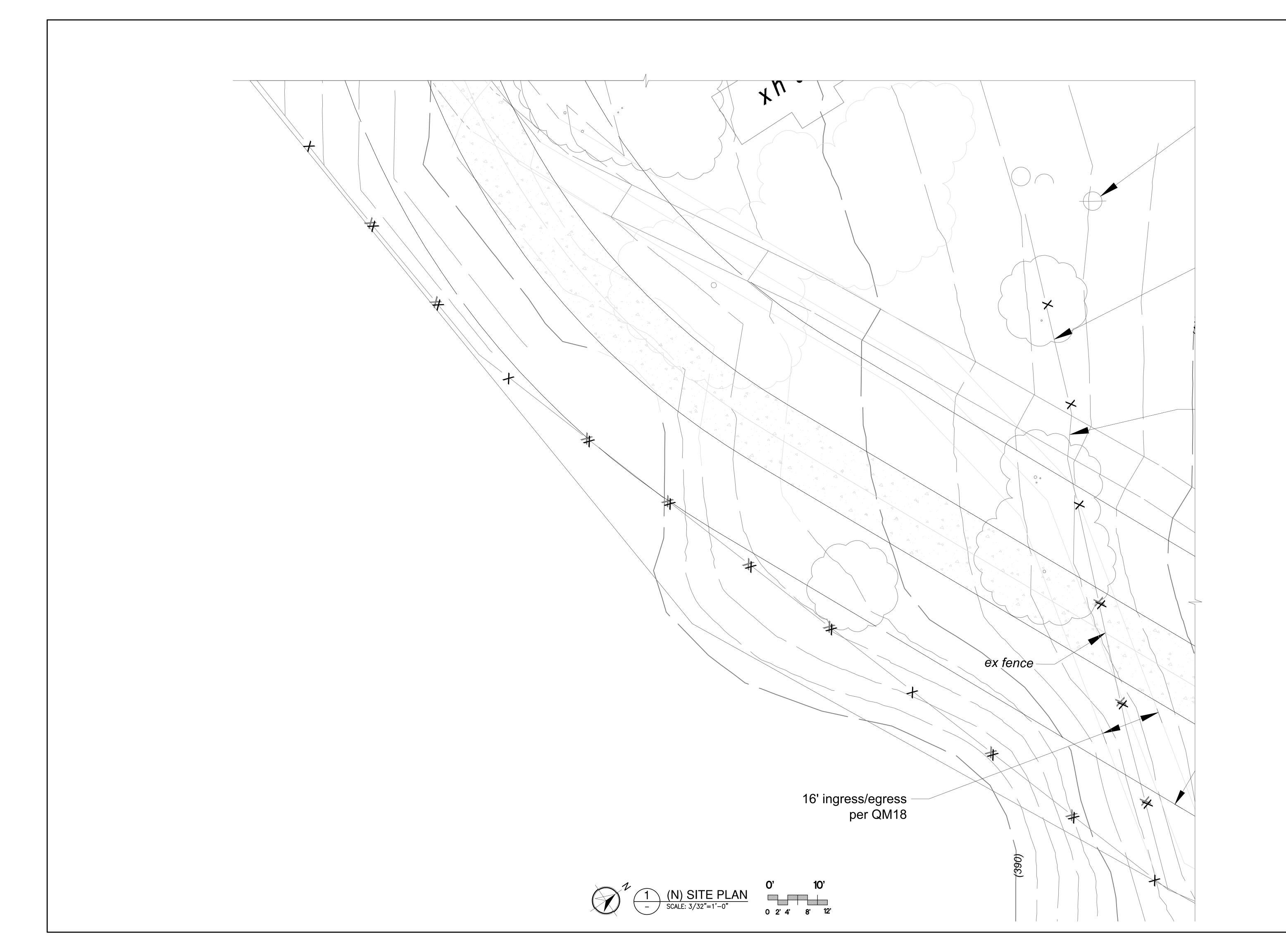
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Job No. – Issue Date: 2023-05-08 Scale 3/32" = 1'-0"

Reference North
Drawing Title

PROPOSED PARTIAL SITE PLAN 5

A7.0





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A

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DESIGNER



Structural Engineer

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Rev Date By Description

Job No.
Issue Date: 2023-05-08

Scale 3/32" = 1'-0"

Reference North Drawing Title

PROPOSED PARTIAL SITE PLAN 6

3 Stabilized Construction Entrance/Exit

Crushed aggregate greater than 3"

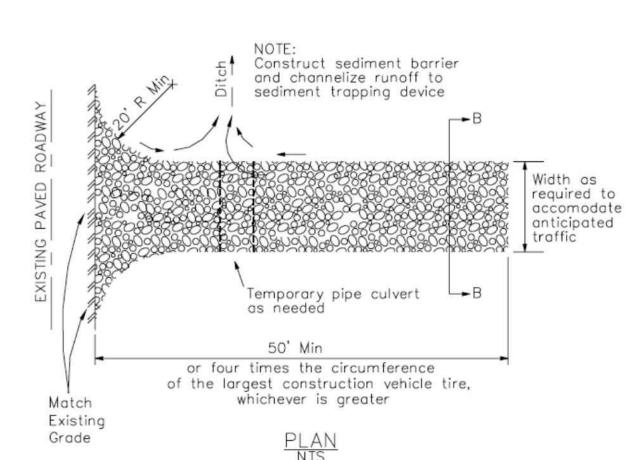
but smaller than 6"

Filter fabric

SECTION B-B

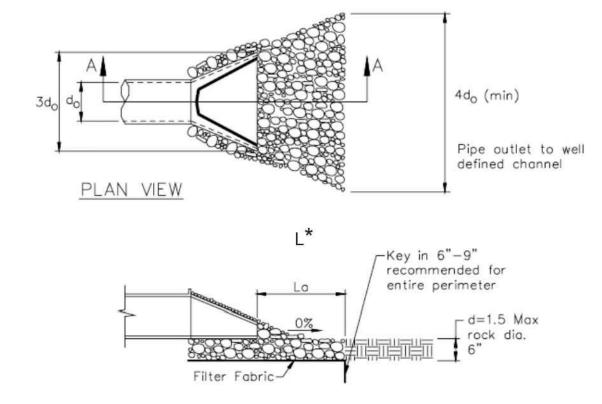
-12 " Min, unless otherwise

specified by a soils engineer



Velocity Dissipation Devices

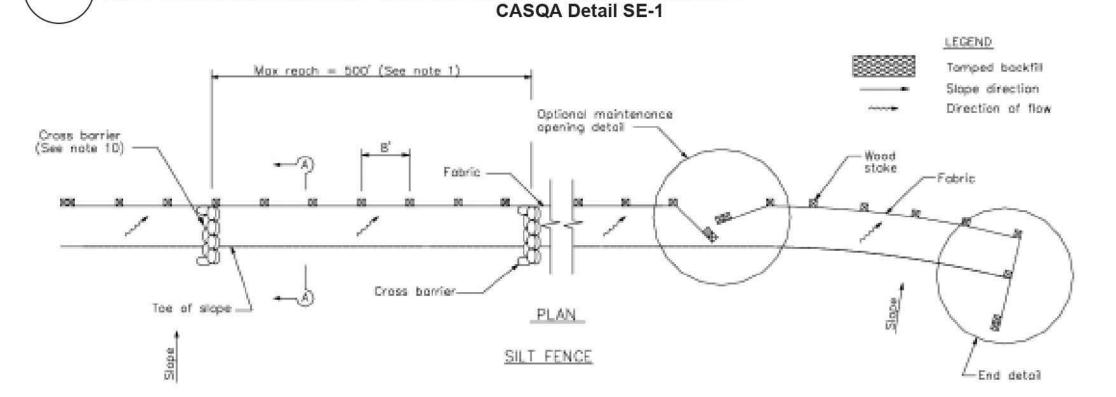
CASQA Detail EC-10



* Length per ABAG Design Standards

SECTION A-A

Silt Fence



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°.
- 2. The lost 8'-0" of fence shall be turned up slope.
- 3. Stake dimensions are naminal.

height of the linear barrier.

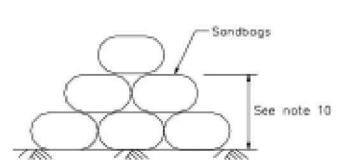
- 4. Dimension may very to fit field condition.
- 5. Stakes shall be spaced at B'-0" maximum and shall be
- positioned on downstream side of fence.

 6. Stakes to overlap and fence tabric to fold around each stake
- one full turn. Secure fabric to stake with 4 stoples.

 7. 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.

 8. For end stake, fence fabric shall be faided around two stakes
- one full turn and secured with 4 stoples.
- 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
- 11. 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 affect to eliminate gaps.

Silt fence

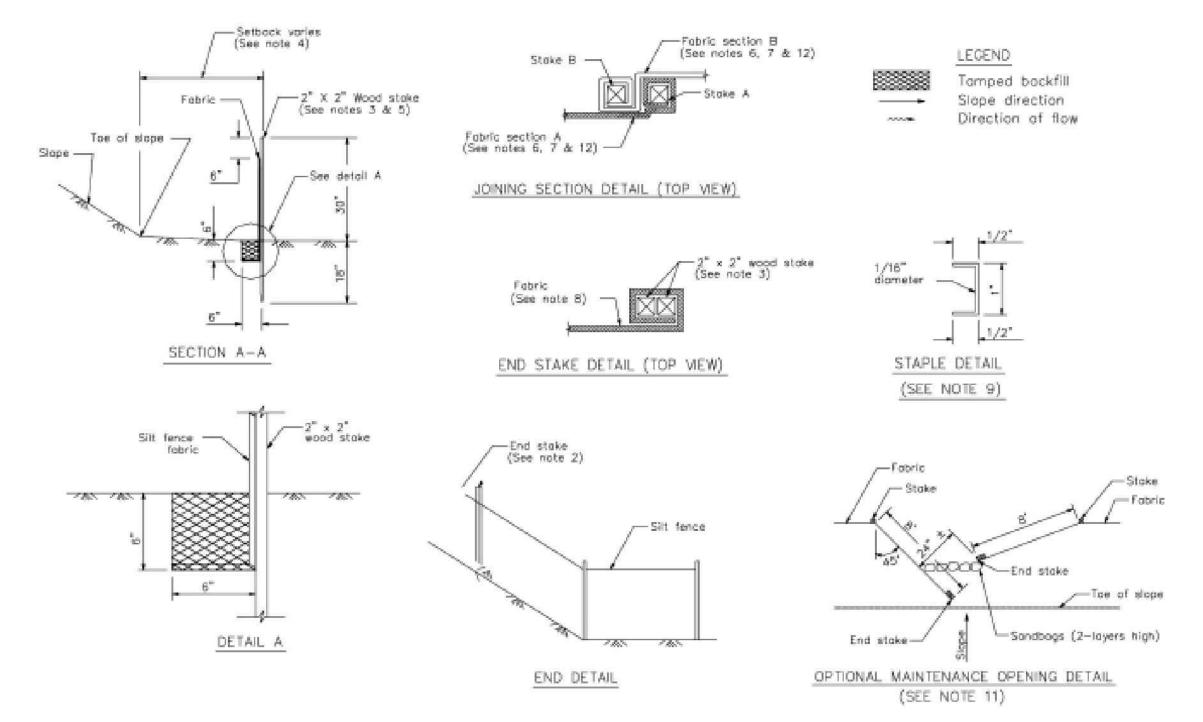


SECTION C-C

CROSS BARRIER DETAIL

Silt Fence

CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

- 1. 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.
- 2. <u>Hazardous Waste Management</u>: 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.
- 3. 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.
- 4. Vehicle and Construction Equipment Service and Storage:
 An area shall be designated for the maintenance, where onsite 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. 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

1. 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 roles 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 to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.

<u>Dust Control</u>: 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.

- 2. <u>Erosion Control</u>: 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.
- 3. <u>Inspection & Maintenance</u>: 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.
- 4. <u>Project Completion</u>: 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.

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Q_a

JULIUS KEN C. BACINILLO
DESIGNER



Structural Engineer

1820 OLD PIEDMONT RD. SAN JOSE, CA 95132

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Job No. —

Job No. –

Issue Date: 2023-05-08Scale 3/32" = 1'-0"

Reference North Drawing Title

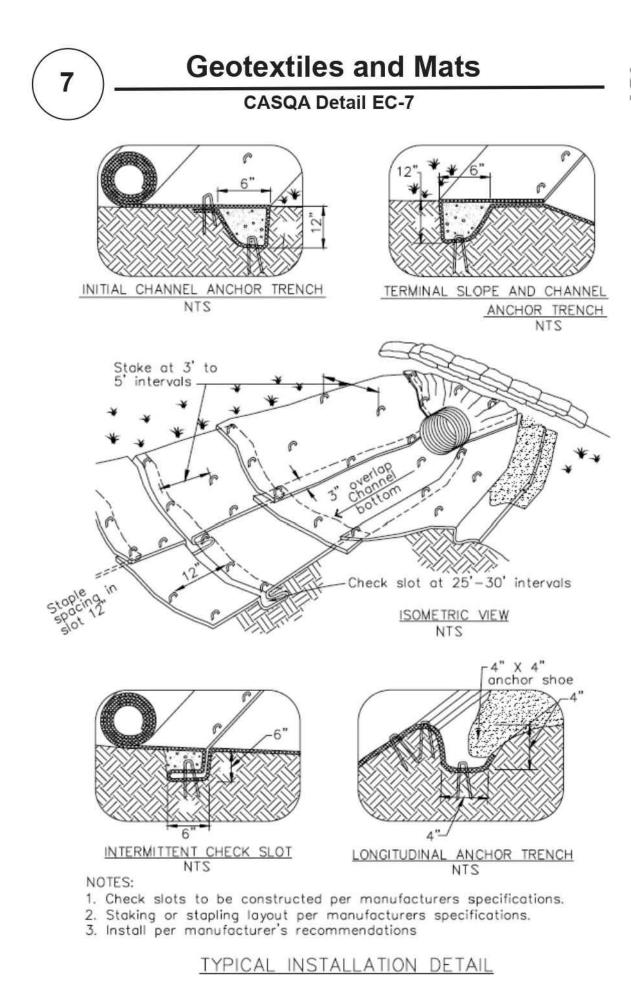
BMP AND EROSION CONTROL DETAILS

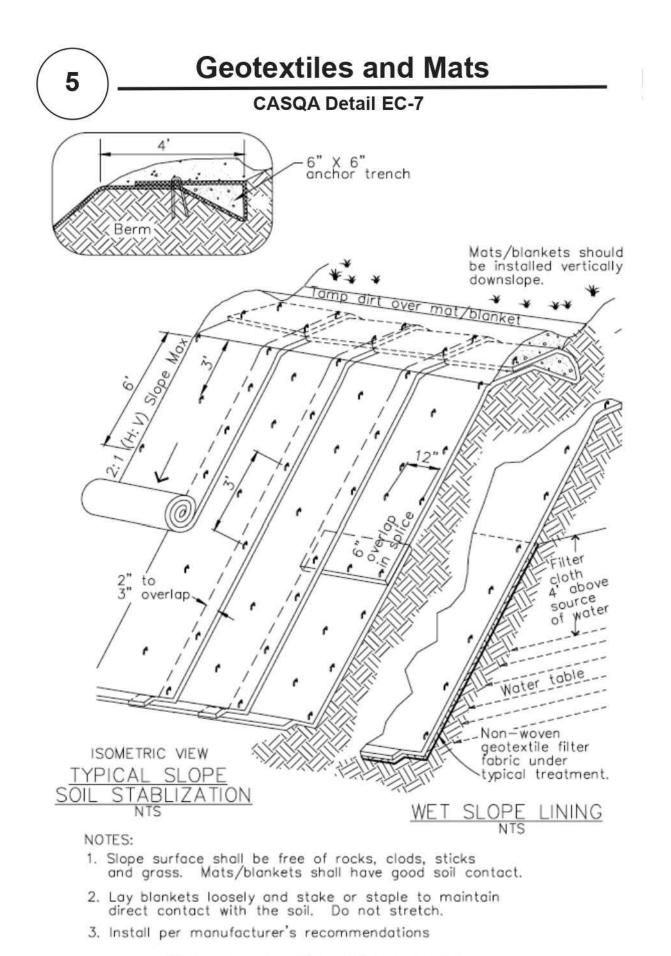
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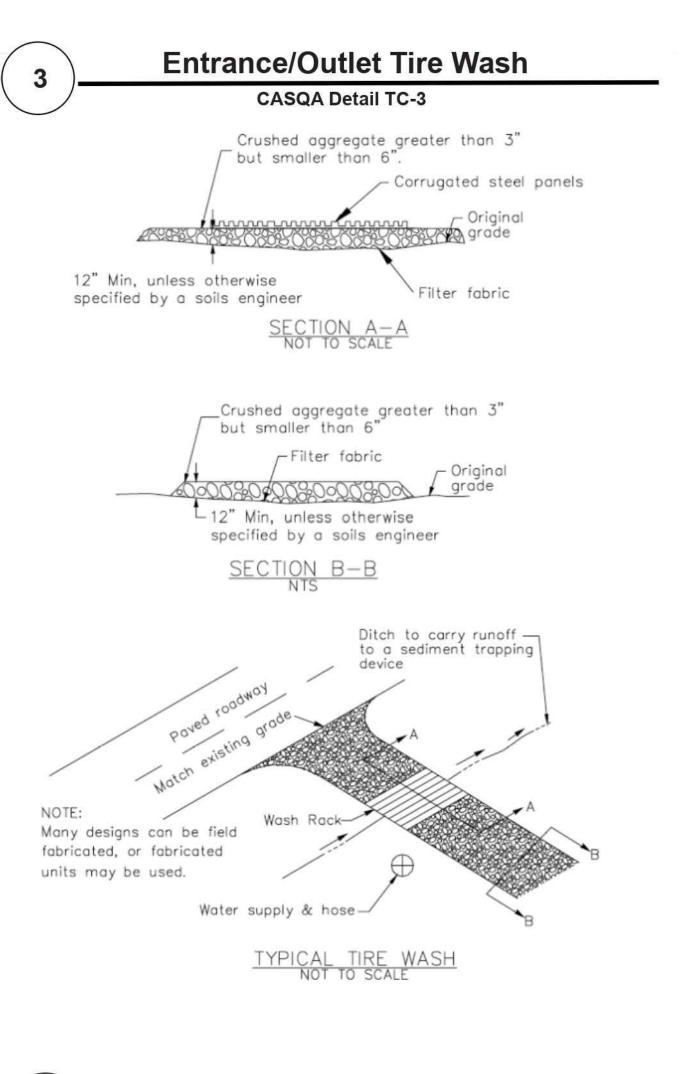
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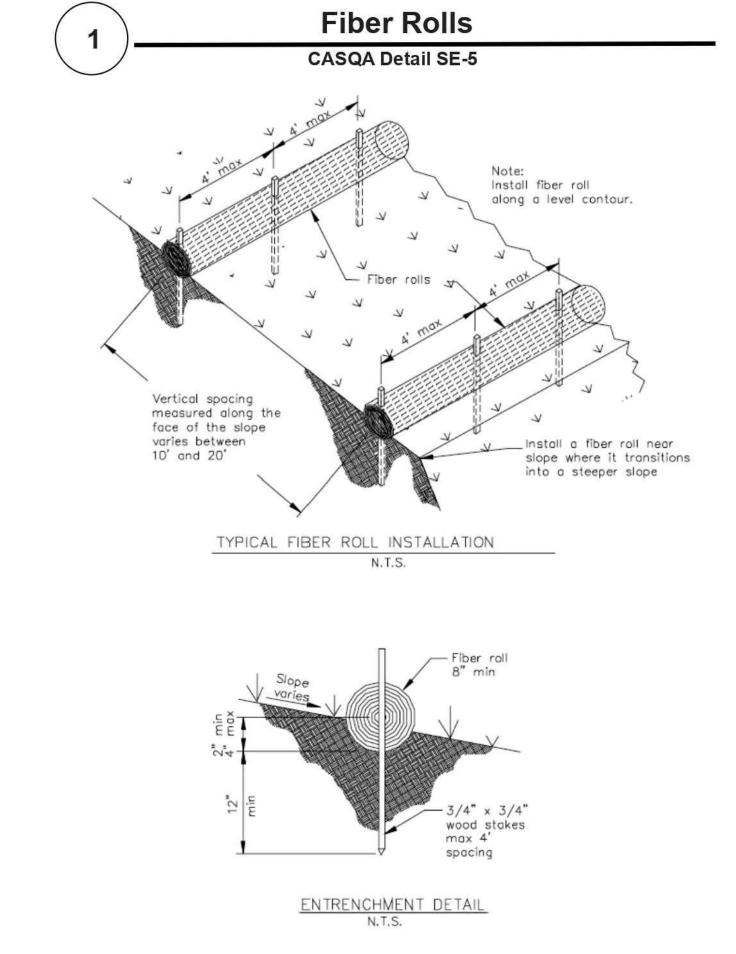
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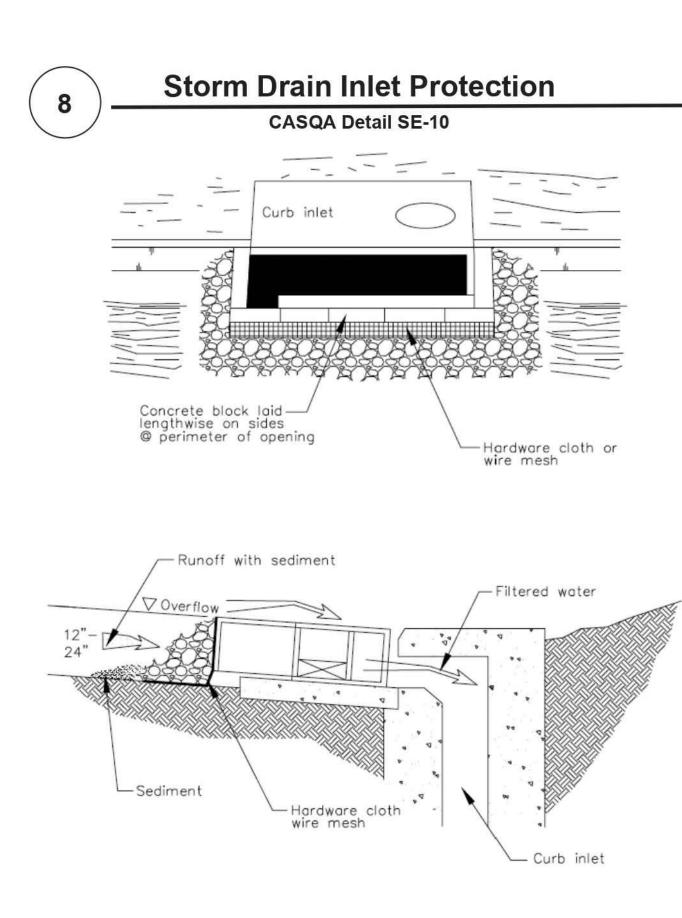
Source for Graphics: California Stormwater BMP Handbook, California







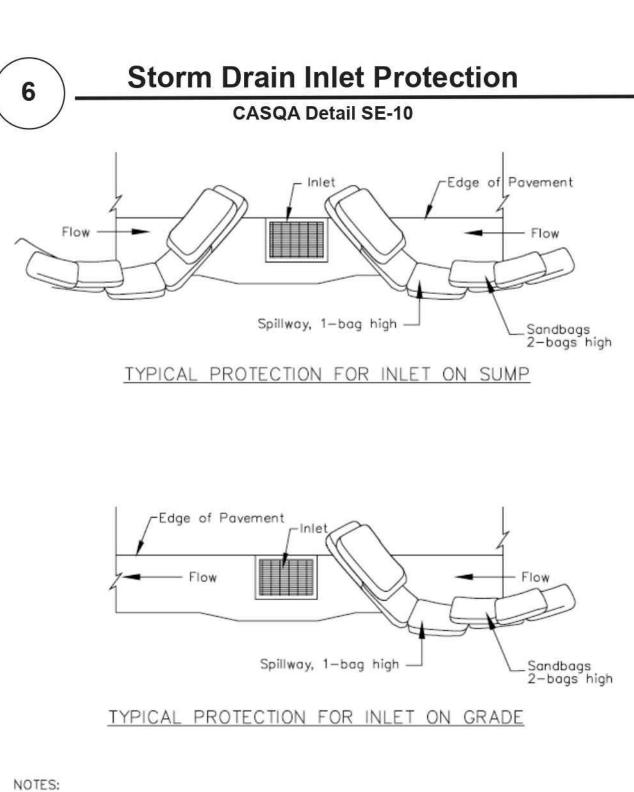




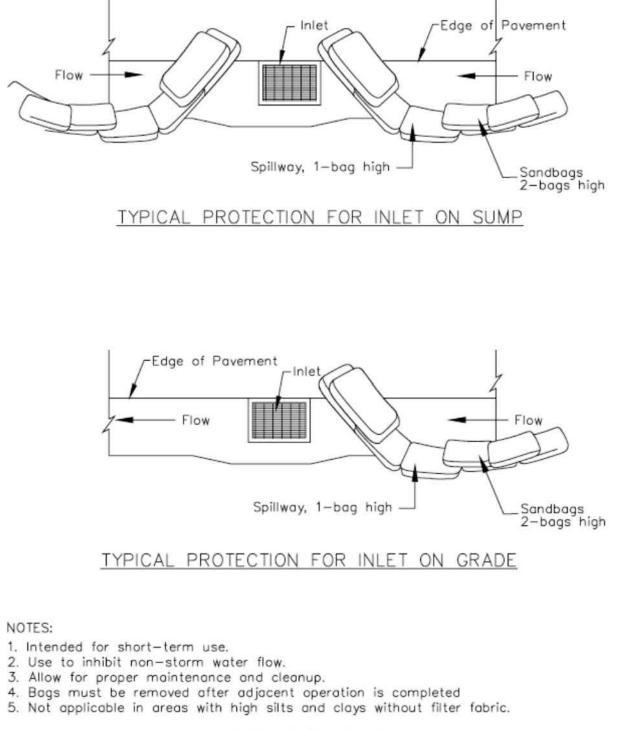
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

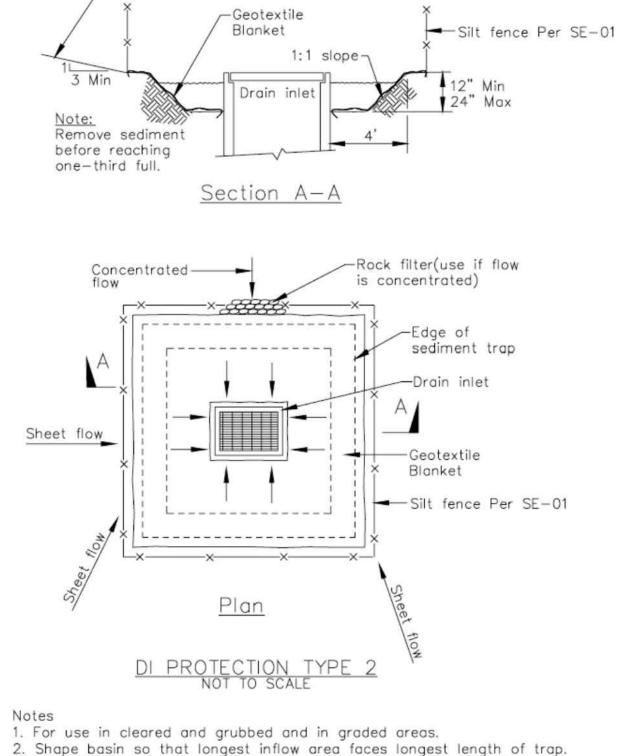
DI PROTECTION - TYPE 4

NOT TO SCALE



TYPICAL INSTALLATION DETAIL



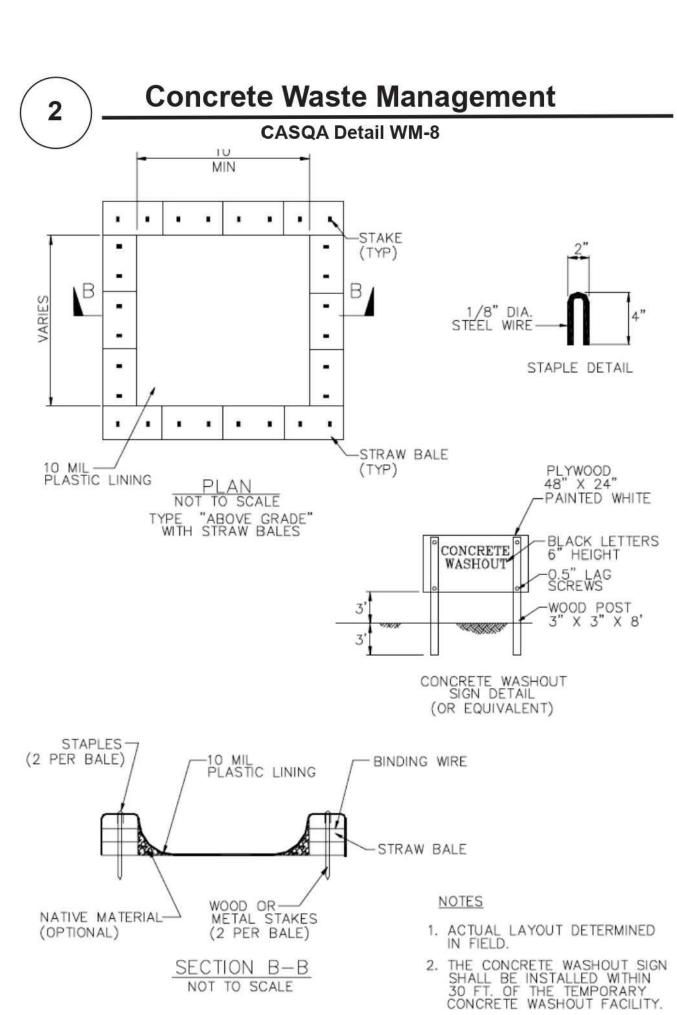


Storm Drain Inlet Protection

CASQA Detail SE-10

—Stabilize area and grade uniformly around perimeter

For use in cleared and grubbed and in graded areas.
 Shape basin so that longest inflow area faces longest length of trap.
 For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.





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JULIUS KEN C. BACINILLO DESIGNER



Structural Engineer

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Rev Date By Description

Job No. – Issue Date: 2023-05-08 3/32" = 1'-0"

Reference North Drawing Title

BMP AND EROSION CONTROL DETAILS

BMP-2

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