



Project Development Unit
1402 Maple Street
Redwood City, CA 94063
www.smcgov.org

PC015-Skanska-COR 004-20200616

PC015 - R075975

Owner:

County Manager's Office
1402 Maple Street
Redwood City, CA 94063

Date: June 17, 2020

Issued by: Scott Gurley

SCOPE of WORK: PC015 -Skanska –COR 004-20200616

Ref: CP6.2 SNW Extension

DISPOSITION:

- ☒ Approved
☐ Revise and Resubmit
☐ Rejected

NARRATIVE:

☐ See attached documents

The PDU has reviewed Skanska Change Order Request 004 for debris catchment fence at soil nail walls and this change is approved for full and final amount of \$355,660.00 for all labor, material, equipment, and incidentals whether direct or indirect to provide the Soil Nail Wall catchment fence and handrail scope as described herein.

Change Orders Exceeding \$210,000.00 may not be fully executed until BOS approval and may be subject to further approval within the county beyond PDU.

ADJUSTMENT:

Cost: ☐ TBD ☒ Add ☐ Deduct

Schedule: Impact: ☒ Yes ☐ No ☐ TBD

Owner/County:

DocuSigned by:

6/17/2020

(signature)

Scott Gurley
D149DF838EF04D7...


(date)

Scott Gurley

c_sgurley@smcgov.org

(printed)

Agreement No.	R075975
Unifier Cost Account	00 08 00
Original Contract Amount	\$11,383,105.00
Former Changes	\$2,860,107.00
Total Spends (App 010)	\$662,916.00
Available Budget	\$8,522,998.00
This Amendment (CO 004)	\$355,660.00
Total Authorized Amount	\$14,598,872.00

COMPANY CONTACT Skanska USA Building Inc. 1 California Street Suite 1400 San Francisco, CA 94111 Ph: 628-895-6301		PDU CONTRACT CONTACT: KAREN RODGERS ADMINISTRATIVE MANAGER (650) 369-4722 krodgers@smcgov.org 1402 Maple St. Redwood City, CA 94063
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TO: County of San Mateo, PDU c_sgurley@smcgov.org	CC: krodgers@smcgov.org jorellana@smcgov.org	PDU PROJ. NO. AGREEMENT NO: COST ACCOUNT:	PC015 R075975 00 08 00
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<h2 style="margin: 0;">CHANGE ORDER 004</h2>	CHANGE AMOUNT: CHANGE IN TIME:
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\$355,660.00

14 cal. days

TITLE: Debris Catchment Fence & Fall Protection Rail: CP-006r2

SCOPE OF WORK: - Design, furnish and install the debris catchment fence at the top of the Soil Nail Wall in accordance with C0901-C0907 drawings, dated November 8, 2019, issued by Cannon Architects and amended by RFI-P1. Work is to be completed by Drill Tech Drilling & Shoring Inc. Work is in accordance with approved Cost Proposal 006R2.

SCHEDULE OF VALUES	CURRENT VALUE	CHANGE AMOUNT	ADJUSTED VALUE
PRE-CONSTRUCTION SERVICES	\$893,122.00	\$0.00	\$893,122.00
CMR FEE	\$2,208,120.00	\$9,079.00	\$2,217,199.00
CMR GENERAL CONDITIONS	\$4,421,855.00	\$0.00	\$4,421,855.00
CMR GENERAL REQUIREMENTS (GR-1)	\$564,070.00	\$0.00	\$564,070.00
CMR GENERAL REQUIREMENTS (GR-2)	\$0.00	\$0.00	\$0.00
DIRECT CONSTRUCTION COSTS (TRADES)	\$2,295,274.00	\$320,546.00	\$2,615,820.00
CONTRACTOR'S CONTINGENCY	\$68,858.00	\$9,616.00	\$78,474.00
BONDS, INSURANCE, AND TAXES	\$3,891,913.00	\$16,419.00	\$3,908,332.00

CONTRACT VALUE SUMMARY <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ORIGINAL CONTRACT VALUE</td> <td style="width: 50%; text-align: right;">\$11,383,105.00</td> </tr> <tr> <td>PRIOR APPROVED CHANGES</td> <td style="text-align: right;">\$ 2,860,107.00</td> </tr> <tr> <td>THIS CHANGE AMOUNT</td> <td style="text-align: right;">\$355,660.00</td> </tr> <tr> <td>ADJUSTED CONTRACT VALUE</td> <td style="text-align: right;">\$14,598,872.00</td> </tr> </table>	ORIGINAL CONTRACT VALUE	\$11,383,105.00	PRIOR APPROVED CHANGES	\$ 2,860,107.00	THIS CHANGE AMOUNT	\$355,660.00	ADJUSTED CONTRACT VALUE	\$14,598,872.00	CONTRACT TIME SUMMARY (PHASE 1 ONLY) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ORIGINAL COMPLETION:</td> <td style="width: 50%; text-align: right;">9/21/2019</td> </tr> <tr> <td>PRIOR APPROVED DAYS:</td> <td style="text-align: right;">360</td> </tr> <tr> <td>THIS CHANGE APPROVED DAYS:</td> <td></td> </tr> <tr> <td>ADJUSTED COMPLETION DATE:</td> <td style="text-align: right;">9/15/2020</td> </tr> </table>	ORIGINAL COMPLETION:	9/21/2019	PRIOR APPROVED DAYS:	360	THIS CHANGE APPROVED DAYS:		ADJUSTED COMPLETION DATE:	9/15/2020
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PRIOR APPROVED DAYS:	360																
THIS CHANGE APPROVED DAYS:																	
ADJUSTED COMPLETION DATE:	9/15/2020																

I hereby certify, to the best of my knowledge, that (1) the information provided in this CHANGE ORDER is true and accurate, and in conformance with the terms of the Contract, and (2) the reported costs and time requested herein reflect the actual cost and time impacts related to the scope of work.

By signing below, I understand and agree that this CHANGE ORDER constitutes and full and final settlement for all direct, indirect, and related costs and impacts associated with this issue. Unless specifically modified in this change order approval, all terms and conditions of the contract remain in force, supersede any terms and conditions listed in Contractor's proposal, and under no circumstances are items listed in Contractor's proposal considered a part of this approved CHANGE ORDER unless specifically included in the County of San Mateo Project Development Unit standard CHANGE ORDER forms.

DocuSigned by: Scott Gurley 6/17/2020 APPROVED BY _____ Date _____ PDU Project Manager Sam Lin DocuSigned by: Sam Lin 6/18/2020 APPROVED BY _____ Date _____ PDU Executive 1	DocuSigned by: Lindsay Corotis 6/18/2020 APPROVED BY _____ Date _____ Consultant Adam Ely DocuSigned by: Adam Ely 6/18/2020 APPROVED BY _____ Date _____ PDU Executive 2
--	--

Assistant Director

\$355,660.00 OK

RE: PC015-Skanska-COR 005r1-20200326

Received 6/16/2020

Corotis, Lindsay <lindsay.corotis@skanska.com>

Tue 6/16/2020 12:41 PM

To: Scott Gurley <c_sgurley@smcgov.org>

2 attachments (100 KB)

Pre-Con COR 004 Debris Catchment Fence and Fall Protection.pdf; COR Log.pdf;

CAUTION: This email originated from outside of San Mateo County. Unless you recognize the sender's email address and know the content is safe, do not click links, open attachments or reply.

Scott,

Please see attached COR-004 with the dates corrected. I've also attached the latest COR Log.

Thanks!

Lindsay

From: Scott Gurley <c_sgurley@smcgov.org>

Sent: Friday, June 12, 2020 2:00 PM

To: Corotis, Lindsay <lindsay.corotis@skanska.com>

Subject: Re: PC015-Skanska-COR 005r1-20200326

[External Email]

Also could you look at the days/completion date of COR 004? COR 003 below shows completion date of 9/15/20 for phase 1 only. COR 004 shows phase 1 only at 5/11/20:

All

Date : 06/16/2020

Contract Number	Number	Date	Description	Executed Date	Status	Approved Amount	DocuSign Status	Closed?
000	001	4/11/2019	AR-01 Preconstruction Services Extension	4/11/2019	Approved	\$170,449		1
000	002	11/5/2019	AR-02 Design Build Soil Nail Wall - Drill Tech	11/5/2019	Approved	\$2,541,398		1
000	003	4/29/2020	Cost Proposal COR 005r2 - Extension of Precon Services to Sept 15, 2020.	5/7/2020	Approved	\$148,260		1
000	004	6/9/2020	Debris Catchment Fence and Fall Protection Rail		Submitted	\$355,660		0
						\$3,215,767		



Date: 6/9/2020

Prime Contract Change Order Number 004

Cordilleras Health System Replacement Project

Project # 4318012-000

Skanska USA Building Inc.

To Contractor:

Skanska USA Building Inc.

1 California

Suite 1400

San Francisco, CA 94111

Architect's Project No:**Contract Date:****Contract Number: 000****The Contract is hereby revised by the following items:**

Debris Catchment Fence and Fall Protection Rail

AR	CE	Description	Amount
0006	0007	Debris Catchment Fence at Soil Nail Walls	\$355,660.00

The original Contract Value was.....	\$11,383,105.00
Sum of changes by prior Prime Contract Change Orders.....	\$2,860,107.00
The Contract Value prior to this Prime Contract Change Order was.....	\$14,243,212.00
The Contract Value will be changed by this Prime Contract Change Order in the amount of.....	\$355,660.00
The new Contract Value including this Prime Contract Change Order will be.....	\$14,598,872.00
The Contract duration will be changed by.....	14 days
The revised Substantial Completion date as of this Prime Contract Change Order is.....	

Skanska USA Building Inc.

CONTRACTOR

1 California

Suite 1400

San Francisco, CA 94111

Address

BY Lindsay Corotis

SIGNATURE

DATE 6/9/2020

County of San Mateo

OWNER

1402 Maple Street

Redwood City, CA 94063

Address

BY Scott Gurley

SIGNATURE

DATE



Project Development Unit
1402 Maple Street
Redwood City, CA 94063
www.smcgov.org

Cost Proposal 006r2 – SNW Extension PC015 - R075975

Owner:

County Manager's Office
1402 Maple Street
Redwood City, CA 94063

Date: June 5, 2020
Issued by: Scott Gurley
SCOPE of WORK: PC015 -Skanska – CP 006r2(R075975) 20200605
Extension
Ref: CP6.2 SNW
DISPOSITION:

- ☒ Approved
☐ Revise and Resubmit
☐ Rejected

NARRATIVE:
☐ See attached documents

The PDU has reviewed Cost Proposal 006r2 and this Cost proposal is approved for full and final amount of \$355,660.00 for all labor, material, equipment, and incidentals whether direct or indirect to provide the Soil Nail Wall catchment fence and handrail scope as described herein. Please submit approved cost proposals to PDU in the next Change Order Request

ADJUSTMENT:

Cost: ☐ TBD ☒ Add ☐ Deduct

Schedule: Impact: ☐ Yes ☒ No ☐ TBD

Owner/County:

DocuSigned by:

6/5/2020

(signature)

(date)

Scott Gurley

c_sgurley@smcgov.org

(printed)

San Mateo County – Project Development Unit

Cordilleras Health System Replacement Project

COST PROPOSAL (CP)

CORDILLERAS HEALTH SYSTEM REPLACEMENT PROJECT

CP Number: Pre-CON COR-006R2Date: 06/02/20

Contract Number:

In Response To: Debris Fence at Top of Soil Nail Wall in accordance with C0901-C0907

RFP #, etc.

To: **COUNTY OF SAN MATEO**
Drawings, Dated 11/8/20, as issued by Cannon Design
11/8/19Attention: Scott Gurley, 1402 Maple Street, Redwood City, CA 94063

Subject Ref. No: _____

(for Project Manager use only)

[ENTER OWNER ADDRESS]

Telephone (480) [390-8918]


Fax: () []

From: [INSERT CMR'S NAME/ADDRESS]

Skanska USA BuildingOne California St, Suite 1400, San Francisco, CA 94111

This Cost Proposal is in response to the above-referenced _____ [insert RFP, etc. as applicable].

Brief description of change(s): Award of design build soil nail wall scope to Drill Tech Drilling & Shoring, Inc.

ITEM DESCRIPTION	CMR	SUB 1	SUB 2	SUB 3	SUB 4	TOTAL
Direct Labor Cost		\$114,596				
Material		\$95,053				
Equipment		\$72,087				
Total Cost of Extra Work		\$278,736				
CMR Self-Performing (Not to exceed 15% of total Cost of Extra Work)						
Subcontractor's Overhead & Profit on Labor, Materials & Equipment (Not to exceed 15% of total Cost of Extra Work)		\$41,810				
Overhead & Profit to CMR for Subcontractor's Work (Not to exceed 5% of total Cost of Extra Work) *2.75% Fee + 4.84% Insurance and Bond		\$25,498				
Contingency (3% of total Cost of Extra Work)		\$9,616				
(Percent of Total Cost above not including any Overhead, Profit or Contingency)						
GRAND TOTAL						\$355,660
REQUESTED CHANGE IN CONTRACT TIME (DAYS)						
By CMR: Lindsay Corotis	Signature: 	Date: 06/02/20	Sam Lin			
	Adam Ely	6/5/2020				

Scott Gurley

DocuSigned by:

Scott Gurley

D149DF838EF04D7...

6/5/2020

END OF DOCUMENT 01 2600

*2.75% for Fee and 4.84% for Bonds, Ins & Taxes

Cordilleras Health System Replacement Project
Project Manual for CM at-Risk Services
March 2018

01 2600 - 9

DocuSigned by:

Adam Ely

FB780FA8B444C9...

6/7/2020

DocuSigned by:

Sam Lin

EE1B7F4B372C432...

\$355,660.00 OK

Contract Modification Procedures
Revision # 0



June 2, 2020

San Mateo County PDU
1402 Maple Street
Redwood City, CA 94063
Attn: Scott Gurley

Re: Cordilleras Health System Replacement Project
Preconstruction Cost Proposal #6R2 (Award of Design Build Debris Fence to Drill Tech)

Dear Scott,

In accordance with 01 2600, Contract Modification Procedures, we respectfully request the contract be modified by the following amount.

Price Breakdown:

1. Drill Tech (Debris Catchment Fence Design Build Scope)	\$ 320,546
2. Contingency (3% of \$320,546)	\$ 9,616
3. Skanska Fee (2.75% of \$330,162)	\$ 9,079
4. Skanska, Bond, Insurance and Taxes (4.84% of \$339,241)	\$ 16,419

Total: \$ 355,660

Below is a narrative summary of the changes included:

- Design, furnish and install the debris catchment fence at the top of the Soil Nail Wall in accordance with C0901-C0907 drawings, dated November 8, 2020, issued by Cannon Architects and amended by RFI-P1. Work is to be completed by Drill Tech Drilling & Shoring Inc.
- Where there is to be a debris catchment fence it is to fully replace the fall protection guardrail and to act as both debris catchment and safety protection on the top of the wall.
- The debris catchment fence shall be uphill side of the V-Ditch.
- At four (4) locations, there will be a transition between the fall protection fence at the top of the wall and the combined catchment/fall protection fence. At these four (4) locations a gate system will be installed to keep unauthorized personnel from getting to the top of the wall.

Clarifications per Revise and Resubmit notes received from the PDU on 3/16/20:

- APEX is a wholly owned subsidiary of Drill Tech.
- The cost within this change order for the debris catchment fence take into account the deduct for the original railing item in the Drill Tech contract. The Geobrigg T-35 system must be modified to meet OSHA standards including additional posts.
- Reason for Entitlement:
 - o Per the OAC on 11/21/19, the PDU requested Skanska provide pricing for a design build debris catchment fence.
 - o The fence was a requirement added in ENGEO's report dated 10/18/19. KPFF then issued the drawings referenced above via Cannon to document what would be required as the Geotechnical report documents are not contractual documents per Article 1 of 00 3020. Please see drawings that are attached to this COR and have bubbled the addition of the debris catchment fence.



- Drill Tech bid documents are the 50% Design Development Civil Drawings dated 6/14/2019 as issued by Cannon Design which do not show a debris fence requirement. As requested these documents have been attached as well to show that no debris fence was shown on these drawings.

Clarifications per email from Scott Gurley of the PDU dated 3/17/20 regarding mobilization costs:

- As a separate scope of work, different equipment is required for the catchment fence improvements. Had the job been bid originally with the inclusion of the catchment fence, Drill Tech's mobilization costs would have been bigger to account for the additional equipment and resources associated with the added scope.

Clarification per Revise and Resubmit notes received from the PDU on 4/8/20:

- Retention will be 5%. This is clarified in the notes on the cost proposal from APEX/Drill Tech.
- Drill Tech's cost documentation is included. Note the email dated 6/1/20 with additional breakdown.
- A credit for 580 LF of the original rail, for a total credit of \$38,280, is included in Drill Tech's price. See additional breakdown dated 6/1/20 from Drill Tech.
- It is understood that terms and conditions from Skanska's contract with the County will govern.
- Reason for entitlement is requested, but has been previously provided in response to the PDU notes dated 3/16/20 on the previous page of this document.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lindsay Corotis', is written over a light blue horizontal line.

Lindsay Corotis
VP, Account Manager

cc. Adam Ely, San Mateo, PDU
Sam Lin, San Mateo, PDU



Project Development Unit
1402 Maple Street
Redwood City, CA 94063
www.smcgov.org

Cost Proposal 006r1 – SNW Extension PC015 - R075975

Owner:

County Manager's Office
1402 Maple Street
Redwood City, CA 94063

Date: April 8, 2020
Issued by: Scott Gurley

SCOPE of WORK: PC015 -Skanska – COR 006r1(R075975) 20200408
Extension
Ref: CP6.1 SNW
DISPOSITION:

- ☐ Approved
☒ Revise and Resubmit
☐ Rejected

NARRATIVE:
☐ See attached documents

The PDU has reviewed and the Skanska CP 06r1 and this CP is revise and resubmit.

Retention to be 5% per public contract code 7201.(b).(1).

Provide Drilltech cost documentation

Please provide credit for initial fall protection railing that was replaced by

All terms and conditions in the PDU Skanska agreement prevail

Skanska to provide cost proposal historical data detailing the change in scope and justification for entitlement. Change to describe original condition, new condition, and how/when condition changed as justification for entitlement. Provide documents that validate change. For example in this cost proposal, provide initial condition documentation and changed condition documentation and detail when the change occurred.

See additional clarification attached

ADJUSTMENT:

Cost: ☐ TBD ☐ Add ☐ Deduct N/A Schedule: Impact: ☐ Yes ☐ No ☐ TBD

Owner/County:

04/08/2020

(signature)

Scott Gurley

(date)

(printed)



Project Development Unit
1402 Maple Street
Redwood City, CA 94063
www.smcgov.org

Cost Proposal 006 – SNW Extension PC015 - R075975

Owner:

County Manager's Office
1402 Maple Street
Redwood City, CA 94063

Date: March 16, 2020**Issued by: Scott Gurley**

SCOPE of WORK: PC015 -Skanska – COR 006(R075975) 20200312**Ref: CP6 SNW Extension**

DISPOSITION:

- ☐ Approved
- ☒ Revise and Resubmit
- ☐ Rejected

NARRATIVE:☐ See attached documents

The PDU has reviewed and the Skanska CP 06 and this CP is revise and resubmit.

Retention to be 5% per public contract code 7201.(b).(1).

Provide Drilltech cost documentationProvide Drilltech confirmation that Apex is same entity and not separate entities.

Please provide credit for initial fall protection railing that was replaced by in Drilltech bid.

01 2600 1.04.B.5 in no case shall the total markup on any extra Work exceed 20 percent of the total cost of extra Work.

All listed exclusions, clarifications, special conditions, payment terms, extra work/damages terms, etc are between Skanska and Drill tech and all contract terms and conditions between the PDU and Skanska remain unchanged. All terms and conditions in the PDU Skanska agreement prevail

Skanska to provide cost proposal historical data detailing the change in scope and justification for entitlement. Change to describe original condition, new condition, and how/when condition changed as justification for entitlement. Provide documents that validate change. For example in this cost proposal, provide initial condition documentation and changed condition documentation and detail when the change occurred.Initial handrail/fall protection condition not shown and change condition is not detailed in the provided back up.

Drilltech initial proposal date:

Engeo Updated SNW extension Date:

DBE to provide design build services for SNW Extension: Nov 21, 2019

CP 06 Provided

MEETING NOTES

Project Name Cordilleras Health System Replacement Project
 Project Number 005318.00
 Date November 21st, 2019
 Time 10:30am – 1:00 pm
 Place 1402 Maple Street, Redwood City (PDU Trailers)

Attendees	Scott Gurley	SMC-PDU	Terry Rittgers	SMC
	Tay Peterson	MIG	Kate Werner	MIG
	Sihaya Roselle	Skanska	Mike Nelsen	Skanska
	Brent Hipsher	4-Leaf	Carey Woo	CannonDesign
	Steve Moreland	KPFF	Ashley Koontz	KPFF
	JT Hsu	CannonDesign		

Purpose: Project status update.

1. EIR status
 - a. EIR public review period already begun.
 - b. Water board asked creek restoration at north tributary to use berm method and not metal net. BKF has started to survey this area.
 - c. MIG thinks the restoration method change is not a substantial change. Because the language in the project description is vague, this change will not impact the EIR progress.
 - d. Team discussed the need for Stillwater involvement.
2. Debris Catchment Fence
 - a. KPFF (SM) briefed the scope, either catchment fences or safety rails, but not both, pending hill directions/topography
 - b. Team discussed two approaches, to either design-build by Drill Tech or to fully engineer by Cannon and KPFF. Team noted a contractual and construction benefit if the design-builder can include the both V ditch and fence/ railing. Skanska (MN) will follow up with Drill Tech if and how they can engineer and include as part of the design build work.
3. Creek Pipe Size
 - a. KPFF (SM) noted storm pipe sized can be reduced from current design to existing sizes.
 - b. KPFF will redo hydrology and update the design. This update will not be on the 50% CD
4. Exterior Wall Framing
 - a. KPFF (AK) noted the exterior wall framing subcontractors always came up with different framing designs from the original designs, and caused KPFF to re-engineering the framing. The only exceptions were OSHPD or DSA projects. Therefore, KPFF and Cannon suggests delegate design for exterior steel framing at first floor Cohousing.
 - b. Skanska (MN) did not take exaction to this approach.
5. Kiln
 - a. Team discussed the kiln location and operation. 4-Leaf asked if the kiln is UL tested. (after the meeting, Cannon investigated and found the specified kiln in not UL listed.)
6. PV support
 - a. Team agreed A/E design to indicate extent and stanchions by other.
 - b. Team discussed the number of roof penetrations. Cannon will request Sage consider alternate supporting method to reduce roof penetrations.
7. 50 % CD estimate
 - a. PDU (SG) noted 50% CD estimate will be a gut check and not a full estimate, only by Skanska and not by Cumming.
 - b. Skanska (MN) noted he plans to present the cost on 12/29-20, as a VE log update.
 - c. PDU and Skanska discussed both escalation and design contingency should go down.

MEETING NOTES

2

8. Task List:

Date	Task	Responsibility	Date Due
2019-11-14	Coordination Call with Sage / Design Team	occurred	
2019-11-14	Kiln Location in Shop – Review with Facilities & DPW	PDU (SG)	11/28
2019-11-14	Alternate locations for Kiln / Art room Update	Cannon	11/28
2019-11-21	Alternate support to PVs	Sage	12/12

To the best of my knowledge, the above items were discussed. Should there be any additions or corrections, please advise CannonDesign in writing within seven days. We will consider these meeting notes an accurate record for proceeding with the necessary “actions”, unless informed otherwise as noted.

Prepared by,

JT Hsu, Project Manager

6/1/20 Update Drill Tech Breakdown and Pricing

Corotis, Lindsay

From: Darin Gossett <darin@drilltechdrilling.com>
Sent: Monday, June 1, 2020 3:30 PM
To: Corotis, Lindsay
Cc: Navin Grewal
Subject: 20022-Cordilleras PCO 01-Fencing Systems

[External Email]

Lindsay,

We have 4 fencing items to price:

1. Temporary safety railing, 18 lf
2. Permanent railing system, 556 lf (a deduct of 580 lf from the original contract quantity of 1,136 lf)
3. Debris catchment fence modified to be OSHA compliant, 843 lf
4. Safety elements when we transition from one fencing system to the other, 4 ea. This item is not defined yet. We have put a plug number in for this category for now.

PRICING SUMMARY

Item	Description	Qty	Units	Unit Price	Amount
1	Temp Safety Railing – Furnish & Install Only	18	LF	\$30.00	\$540.00
2	Permanent Railing - Credit for Scope Reduction	-580	LF	\$66.00	-\$38,280.00
3	Debris Catchment Fence, Modified for OSHA Compliance				
A	Mobilization	1	LS	\$26,260.00	\$26,260.00
B	System Installation	843	LF	\$382.00	\$322,026.00
4	Transition Point Gates	4	EA	\$2,500.00	\$10,000.00
					\$320,546.00

SCOPE DESCRIPTIONS

1. Temporary Safety Railing – furnish and install temporary OSHA compliant safety railing at the temporary soil nail wall between Walls 3 (Building D) and 4 (Building E). Railing includes angle iron posts and 2 levels of cable rope installed into the top of the temporary soil nail wall. Pricing excludes removal.
2. The permanent railing exists in the Drill Tech contract. Originally, 1136 feet of permanent railing were built into the contract at a unit price of \$66/lf and value of \$74,976. The new plan calls for 556 ft of permanent railing to be installed. Therefore, Drill Tech owes a credit for 580 ft at \$66/lf and a value of (\$38,280).
3. A debris catchment fence is a new scope that is added to the project. The new plans call for 843 ft of debris fencing to be installed above Walls 1, 2, 3 and 4.
 - a. Mobilization – to install the system, a drill rig, tooling, and materials have to be prepared and shipped to the jobsite. The system is installed by Drill Tech’s rockfall mitigation company, APEX, a wholly owned subsidiary. The mobilization covers the cost to get all equipment to the site and covers the transportation costs for the specialty skill set crew members that will install the system. This mobilization cost does not overlap with the shoring scope mobilization.
 - b. The standard debris catchment fence is to be modified to be OSHA compliant. Anchor posts are to be installed at 10-foot spacing rather than the standard 20-foot spacing. Holes will be cut into the anchor posts to allow a new rope cable to be installed, tensioned, and secured at the correct height. The debris catchment fence manufacturer, Geobrugg, has approved of this modification to their product.
4. Transition Gate Points – it is assumed that some sort of safety feature will be needed at locations where a transition occurs from one fence/railing type to another. At the top of the permanent shoring wall for Building

D, Wall 3, the permanent railing system transitions to the debris catchment fence. This occurs along Wall 4 as well. At the transition point, some sort of safety element should be installed. The permanent railing offers fall protection whereas the debris catchment fence provides fall protection when a person ties off properly to it. This transition occurs in 2 locations. There are also 2 locations above the temporary soil nail wall where the debris catchment fence transitions to the temporary safety railing. Therefore we have 4 transition points. There is no design or specifications for this new item. We have proposed a plug number of \$2,500 each to cover installation of this new item in each of the 4 locations.

Please let me know if you have any questions.

Darin



Darin Gossett, P.E.

Drill Tech Drilling & Shoring, Inc.

W (925) 978-2060

F (925) 978-2063

C (925) 766-2220

darin@drilltechdrilling.com

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APEX

Rockfall Mitigation LLC

PROJECT: Cordilleras Catchment Fence
Located above Soil Nail wall

Bid Date: TBD
Page 1 of 4

ATTN: Mike

Cordilleras Project

San Mateo County

APEX Rockfall Mitigation, LLC ("APEX") is pleased to submit this proposal to Skanska for the following below scopes of work for the design build rockfall catchment fence install located at S. San Francisco Police station project located in San Francisco, CA. Our proposal is based on quantities depicted from design build take off and plans showing soil nail wall locations. Fence will be installed atop of soil nail wall- Apex has selected to provide a Rockfall/Debris Fence for the system if selected. Fence meets and exceeds all required marks.

SCOPE OF WORK –

- **Work in accordance with Drawings issued by KPFF dated 11/8/2019**
- One mobilization
- Rockfall/Debris Catchment Fence- Furnish and Complete Installation of Geobrugg T-35 (35 KJ System)- 1.0 Meter and 1.2 Meter heights where directed/requested to act as both debris catchment and fall protection systems. All materials will be galvanized finish. Fence will be painted Forest Green as per specs. Final color/finsh will be decided by contractor prior to painting.

BASE BID

Bid Item Description	Quantity	Units	Unit Price	Total
Mobilization				26,358.00
T-35 Debris/Rockfall Barrier				297,096.25
Paint Barrier	1	LS	Inclusive	\$ -
				\$ -
Total				\$ 323,454.25

EXCLUSIONS:

- Plans need to be included by Drill Tech. Permit to be submitted and paid by others, but full compliance with submittals requirements is included in this change order.
- Plans, permits, property survey, inspections, inspectors, monitoring, third-party testing, soil analytical testing, coring and reporting to authorities. Material Quality Control testing and sampling is specifically excluded.
- Material sampling and testing including compressive strength testing of grout or ready mix materials.
- Pot Holing, locating, relocating, supporting, protection, repair or removal of utilities, underground & overhead.
- All costs related to traffic control, protection of surroundings, traffic striping, painting or signage. **traffic control for subcontractor work is included in this change order.**
- Removal of and/or drilling through man-made objects.
- Demolition, saw cutting of existing structures, site clearing and grubbing, grading, excavation, backfill and compaction.
- Hoisting or lifting of materials or equipment other than in scope of work.
- Repair and/or replacement of pavements and existing site improvements.
- Development, restoration of laydown areas, fences, gates, ramps.
- Erosion control, dust control and SWPPP plans, establishment and maintenance.
- Site water handling, sumping, collection, and pumping whether contaminated or clean.
- Removal, handling, covering, storage and disposal of hazardous materials.
- Management, collection and off-haul of soils, scaled materials, and drill spoils.
- Any work not specifically included in "Scope of Work" description for subject cost proposal.
- The cost for site cleanup programs. APEX to be responsible to maintain a clean worksite for our scopes of work.
- The cost for insurance requirements and changes to wording, over & above our industry standards
- All liquidated and consequential damages. **Contract work to be included under the CCIP. Design work to comply with contract design insurance requirements.**
- **Drilltech shall be responsible for portion of LD's for which they have impacted.**

APEX Rockfall Mitigation, LLC is a Wholly Owned Subsidiary of Drill Tech Drilling & Shoring, Inc.
2200 Wymore Way – Antioch, CA 94509-8548 – (925) 978-2060 – Fax: (925) 978-2063

PROJECT: Cordilleras Catchment Fence
Located above Soil Nail wall

Bid Date: TBD
Page 2 of 4

PROJECT SPECIAL CONDITIONS

Contractor shall provide at no cost to APEX Rockfall Mitigation, LLC:

- Safe and secure work area as determined by APEX and firm level all weather access for material deliveries, storage, drilling equipment moving under their own power.
- Secure and adequate staging and storage area for equipment and materials.
- ~~(If Applicable)~~ APEX to layout our improvements based on survey control provided by Contractor.
- Survey, layout and location of project control, bench marks, grid lines, and improvements pertaining to APEX scopes of work.
- Potable water or equivalent (city pressure, 50 gpm)- up to 250 Gal per day required grouting.
- Sanitary facilities, hand-wash facilities meeting OSHA standards.
- Concrete/grout washout area and disposal of washout.
- Onsite dumpster for trash, including the disposal of waste.
- Continuous removal and off-haul of drill spoils.
- Cost of permits and bonds, if required.
- Upon issuance of subcontract a schedule of work shall be provided to APEX and mutually agreed upon.
- APEX is a Specialty Contractor. APEX must be notified in advance, prior to the scheduling of any its work, of any project requirements regarding labor compliance and/or local hiring goals. When properly notified in advance of such goals and requirements, APEX shall make every good faith effort to comply with such goals. Notwithstanding, participation by APEX in such labor compliance goals shall be limited to APEX's good faith efforts in selecting its own specialty team.
- Extra work and standby time for crew and /or equipment caused by others shall be charged at \$750.00/hr.

ABOVE PRICES ARE BASED ON:

- A mutually agreed to schedule, scheduling our work so it can be completed, working 10-hour daytime shifts, 5 days per week excluding Saturdays, Sundays and Holidays.
- If weekend or night work is required, O.T. premium, plant openings, lighting costs, etc. to be paid by Contractor.

General note: All payment terms shall be modified to reflect owner contract and CA law. Drill Tech invoice will be included in monthly billing to owner should it be submitted by the 15th of each month. Drill Tech will be paid within 10 days of receiving payment from the owner. Drill Tech will be responsible for payment to APEX.

PAYMENT TERMS

- Progress Payment: Payments in accordance with mutually agreed schedule of values due and payable ~~thirty (30) days after receipt of our monthly billing or~~ ten (10) days after receipt of payment from owner, ~~whichever occurs first.~~
- Mobilization: Mobilization due and payable ten (10) days after onsite mobilization of drill rig. **To be paid through billing cycle.**
- Engineering and design services to be paid in full, no retention applied, ~~thirty (30) days after receipt of our invoice.~~
- Retention: Retention of at maximum ~~five (5) percent~~ **ten (10)** percent rate is due and payable in full within forty-five (45) days after substantial completion of our work. Retention shall be no greater than the specified amount between the owner and the general contractor. **Retention of 10% to be held on all contract work in accordance with Skanska contract with County.**
- Materials on Hand: All on-site production materials delivered to the site to be paid in full, no retention applied, thirty (30) days after receipt of our invoice, or ten (10) days after receipt of payment from owner, whichever comes first.
- APEX does not and will not waive or release any rights or remedies provided under any applicable prompt payment statute and nothing herein shall be construed as a waiver or release by APEX of any such rights or remedies.
- Other Payment Conditions: APEX will submit a conditional waiver and release executed by it as a condition to each payment and it will submit an unconditional waiver and release promptly after payment funds have posted, without restriction, to its account. It shall not be a condition of any payment to APEX that a waiver and release from any third party in contract with APEX (as a sub-tier subcontractor or as a material supplier) be submitted.
- In the event of any third party claim against the owner or its surety, the general contractor or its surety, or the property to which the work of improvement relates, for alleged nonpayment by APEX with respect to the subject work of improvement, APEX, at its sole option, shall indemnify the claim recipient(s) with respect to the claim or bond around the claim or do both. APEX's duty herein shall only arise provided APEX has been promptly notified of the claim when it initially arose. "Claim" means a mechanic's lien as evidenced by a recorded mechanic's lien, a stop payment notice

PROJECT: Cordilleras Catchment Fence
Located above Soil Nail wall

Bid Date: TBD

Page 3 of 4

served as required by law, a bond claim received by a surety, a cause of action or a claim for relief in a filed lawsuit, and a claim made in papers which initiate mediation or arbitration.

- APEX shall be promptly reimbursed and paid by the Contractor for any cost which APEX may be required to incur for its participation in, subscription to, and/or otherwise mandated use of any administrative programs, systems, or software for any aspect of project management which are or might be mandated for use by APEX for this project, plus 15% of such costs.
- APEX expressly does not waive any statutory right to collect prompt payment penalties and nothing herein shall constitute or be construed to affect a waiver by APEX of any statutory right to collect prompt payment penalties.

DAMAGES, DELAYS, BACK-CHARGES and EXTRA WORK:

- APEX shall not be held responsible for any direct, indirect and consequential damages.
- APEX must be notified in writing within 24 hours of the cause of any potential claim for damages and be given the opportunity and reasonable time, to resolve same with our own forces.
- No damages may be assessed without APEX's specific agreement in writing, signed by our authorized company representative. Any damages shall be proportional to APEX's share in the total fault and the total assessed will be limited, not to exceed our subcontract value less materials.
- No back-charges of any kind to APEX will be accepted unless received on a daily basis and agreed to and signed for by our authorized representative.
- Unless specified otherwise, extra items of work not included in our scope of work, but performed by APEX, or delays resulting from interference or non-performance of others, shall be invoiced at cost plus 20%. OH&P to be in accordance with Drill Tech Subcontract.
- If the owner / contractor asks APEX to prepare submissions, secure materials, purchase or modify equipment and accessories or perform contract related work, prior to the contract document being finalized all costs incurred, will be paid for at cost plus 20%. OH&P to be in accordance with Drill Tech Subcontract.

INSURANCE, INDEMNIFICATION: Insurance to be in CCIP under DrillTech's coverage.

- ~~A) APEX shall maintain in place during the performance of its work hereunder, worker's compensation coverage as required by law, bodily injury and property damage liability insurance (XCU exclusion deleted), with a combined single limit of \$1 million. "Additional Insured" coverage there under is limited to APEX's proportionate share of the total fault causing the loss or damage on which such claim is based. Coverage afforded shall be Type III. For additional insurance requirements beyond that mentioned above, the total additional cost and premiums required shall be solely born by the Contractor and/or Owner.~~
- ~~B) APEX shall indemnify Contractor (if any) and Owner with respect to any claim which arises directly from the negligence, if any, of APEX in performance of its work hereunder, but the extent of such indemnity shall be only in proportion to APEX's share of the total fault causing the loss or damage on which such claim is based. APEX shall have no other responsibility to defend, indemnify or provide insurance for Contractor (if any), Owner or others with respect to claims arising from or related to APEX's work hereunder. Variations to wording, additional requirements and waiver of subrogation can be requested at owner's additional cost and subject to our carrier's availability~~

ACCEPTANCE:

- This bid proposal is subject to acceptance within ninety (30) days from bid date.
- Acceptance of a bid proposal shall:
 - Constitute a contract between both parties and this bid proposal shall be an integral part of any contract agreement and shall supersede and control any conflicting and/or ambiguous language in the contract.
 - Acknowledge acceptance by Contractor that APEX will be held harmless for all costs, direct and indirect damages, caused by or resulting from drilling within the contract's specified drilling tolerances at the locations specified in the contract plans and approved engineered drawings.
 - APEX shall not be required to mobilize, order materials or work prior to receiving a fully executed contract with terms agreeable to APEX.

PROJECT: Cordilleras Catchment Fence
Located above Soil Nail wall

Bid Date: TBD
Page 4 of 4

APEX ROCKFALL MITIGATION, LLC is a wholly owned subsidiary of Drill Tech Drilling & Shoring, Inc.

BY: Brandon Manahan
bmanahan@apexrfm.com

DATE:

Sign as Accepted_____

Date_____

APEX Rockfall Mitigation, LLC is an Equal Opportunity Employer

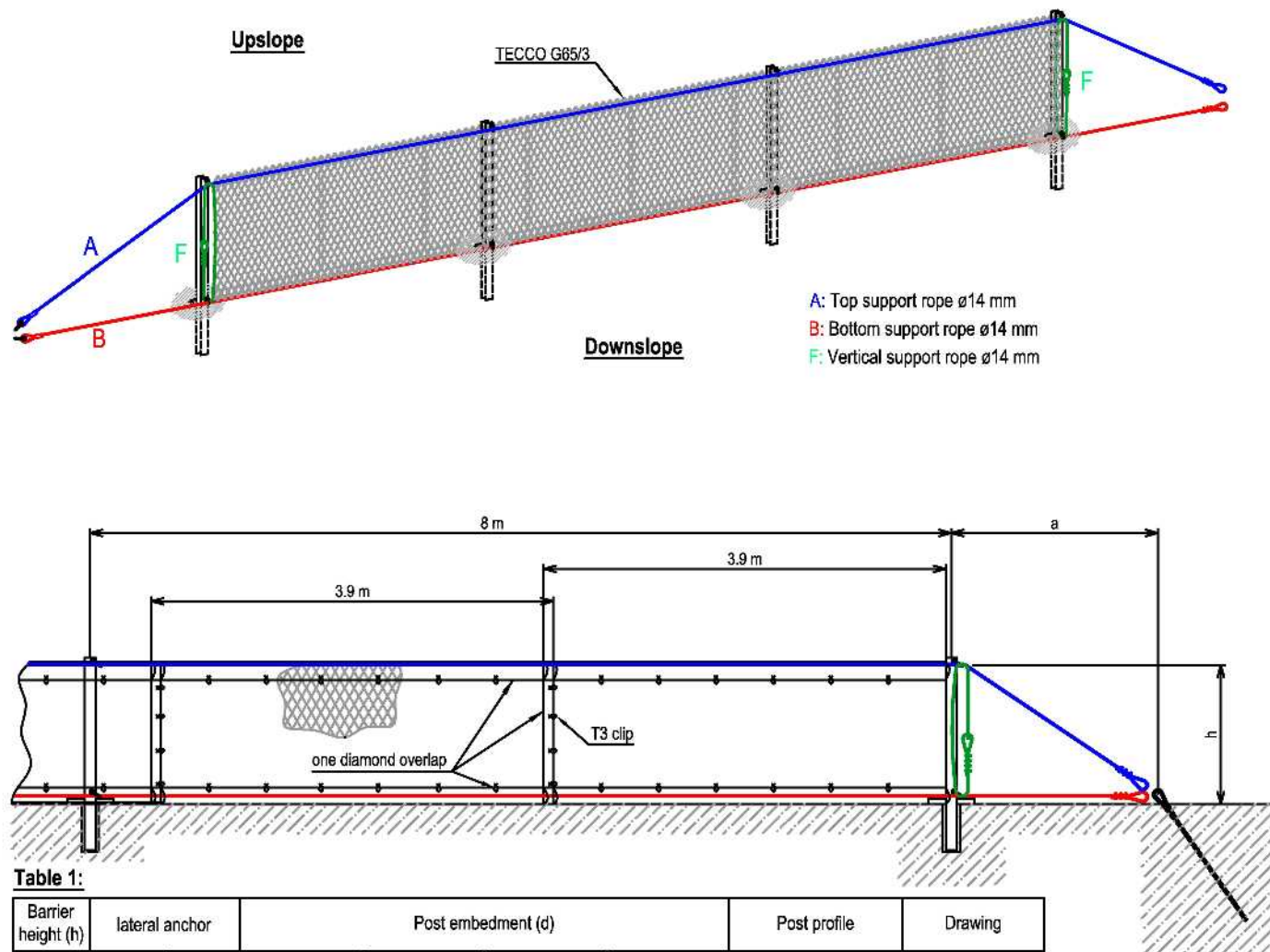


Table 1:

Barrier height (h)	lateral anchor		Post embedment (d)				Post profile	Drawing
	distance (a)	anchor force	Soil weak 0.12-0.18 MPa	Soil mid 0.18-0.28 MPa	Soil strong 0.28-0.40 MPa	Rock 0.40-0.50 MPa		
[m]	[m]	[kN]	[m]	[m]	[m]	[kN]		
1.00	2.00	149	1.0	0.8	0.8	0.8	100 UC 14.8 / HEA 120	GS-6620 / -6632
1.20	2.00	149	1.0	0.8	0.8	0.8	100 UC 14.8 / HEA 120	GS-6620 / -6632
1.35	2.00	149	1.0	0.8	0.8	0.8	150 UC 23.4 / HEA 120	GS-6622 / -6632
1.50	2.00	149	1.2	1.0	0.8	1.0	150 UC 23.4 / HEA 120	GS-6622 / -6632
1.65	2.00	149	1.2	1.0	1.0	1.0	150 UC 23.4 / HEA 120	GS-6622 / -6632
1.80	2.00	149	1.2	1.0	1.0	1.0	150 UC 23.4 / HEA 120	GS-6622 / -6632
2.00	2.00	149	1.4	1.4	1.4	1.2	150 UC 23.4 / HEA 120	GS-6622 / -6632

Installation:

- 1.) Mark out post locations and lateral anchors. The distance between the lateral anchors and the end post vary depending on the barrier height (see table 1). Make sure that the lateral anchors are in line or slightly in front (downslope) of the barrier.
- 2.) Drill a 200 mm hole (as a minimum) for the posts. The hole diameter may increase if more concrete coverage is required. The depth will depend on the ground conditions, (see table 1)
- 3.) Drill the holes for the lateral anchors. The drill depth and diameter will also depend on the ground conditions, (see table 1)
- 4.) Install posts and lateral anchors into holes. Make sure the posts are installed with the holes for the shackles facing downslope. Concrete and grout (minimum 32 MPa) in place, making sure the posts are 'plumb' and the concrete has been compacted.
- 5.) Install the 5/8 inch shackles on the top and bottom of each post
- 6.) Once the concrete and grout has cured, install the 14 mm top and bottom support rope. This is done by threading the rope through the 5/8 inch shackles on the top and bottom of each post.
- 7.) Attach the top and bottom rope to the lateral (wire rope anchors). One end is attached using 7/8 inch shackles, the other is attached using wire rope clips. Make sure you pay attention to the orientation of the wire rope clips and their spacing (see figure 3). Tension both ropes to approximately 10 kN. Starting at one end, hang a panel of the TECCO mesh over the top support rope. Fold it back on itself, making sure it hangs down below the top rope by one diamond. Fix it back onto itself using one T3 clip per diamond (see figure 4)
- 8.) Repeat the process above, however this time for the bottom support rope. Fix the mesh back onto itself using one T3 clip per diamond, making sure the mesh is tight.
- 9.) Move along to the next section of the barrier, and repeat the process above. Overlap the adjacent TECCO mesh panel by a minimum of one diamond, and connect the two panels together using one T3 clip per diamond (see figure 5).
- 10.) Repeat the process above until all the TECCO mesh has been hung. Depending on the overall length of the barrier, you may end up with more overlap on the last two mesh panels.
- 11.) Install the vertical ropes at the end posts of the barrier. Thread the rope through the top shackle, then thread it through the mesh (every diamond), and finally through the bottom shackle. Thread the rope through the thimble, and connect using wire rope clips. Make sure you pay attention to the orientation of the wire rope clips and their spacing (see figure 1).

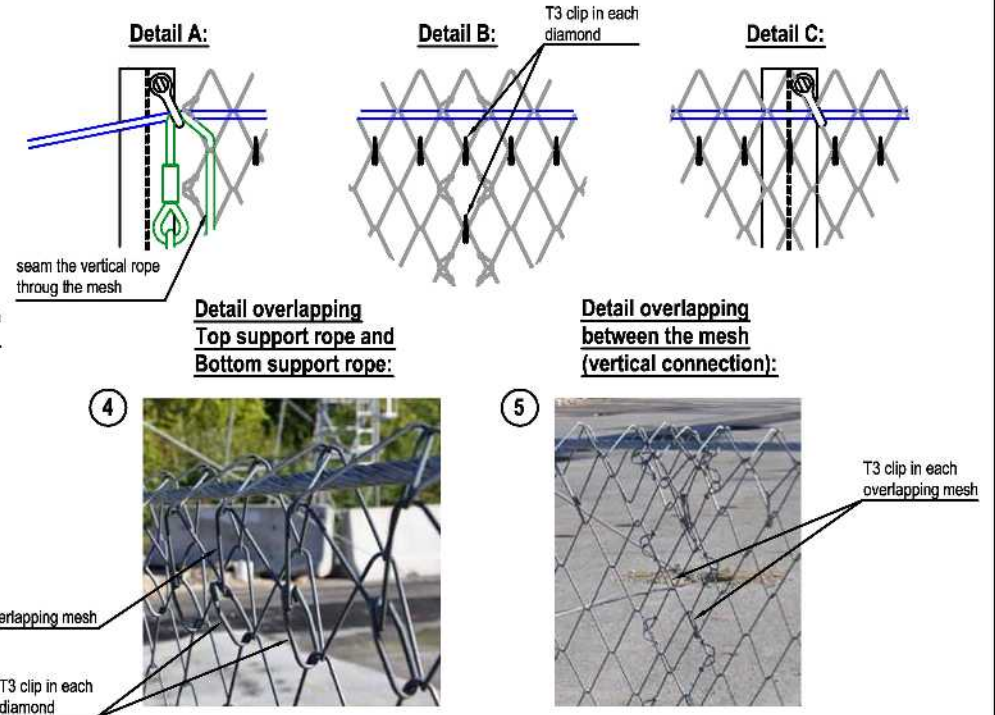
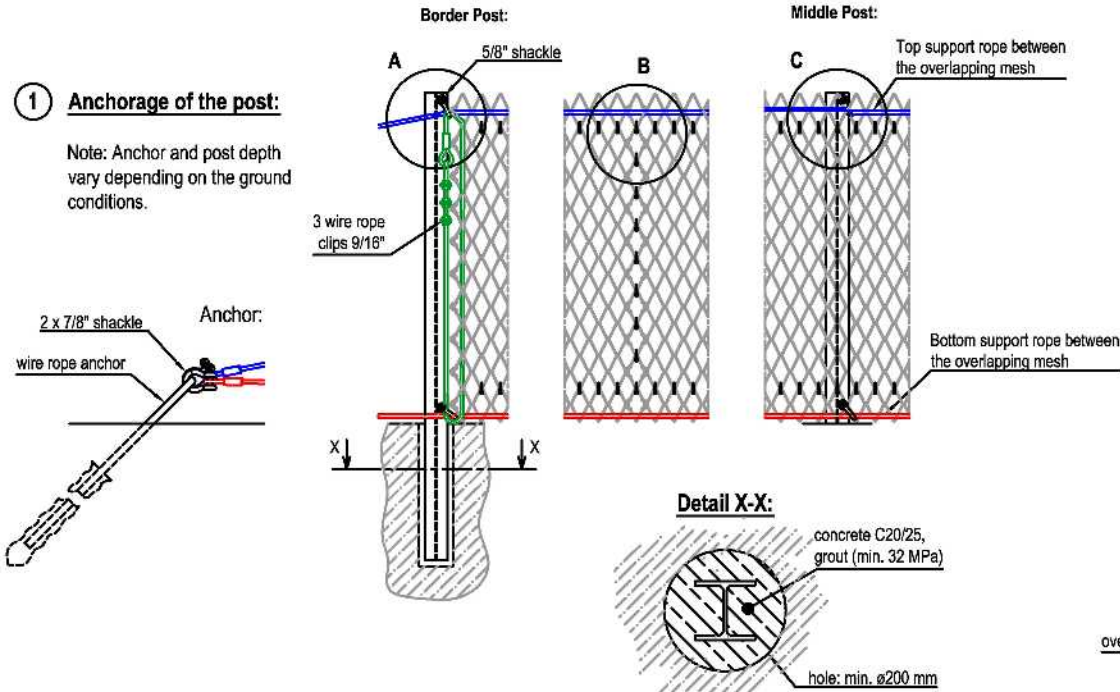
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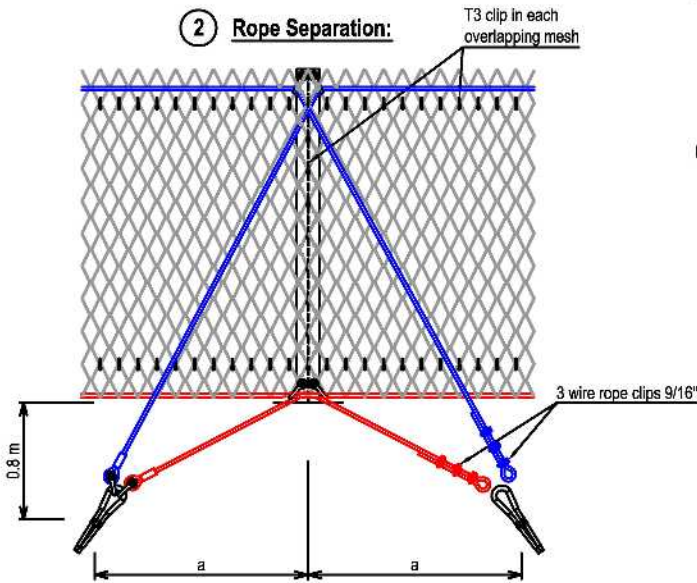
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		replaced by:		
T35 embedded Roadside Rockfall Barrier System Drawing		drawn	16.05.17	BIH
		checked	16.05.17	BIH
		approved	16.05.17	LAA
GEOBRUGG AG CH-8590 Romanshorn		GEOBRUGG		GS-1529.1e

1 **Anchorage of the post:**

Note: Anchor and post depth vary depending on the ground conditions.



2 **Rope Separation:**

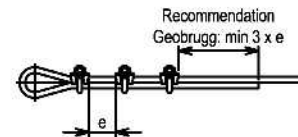


Support rope separation is required every 80-100 m, however this may reduce depending on changes in direction of the barrier. Please get in contact with Geobrugg if you are unsure.

3 **Use of wire rope clips:**

The first wire rope clip is attached close to the loop. The wire rope clips must be spaced so that the distance between them is a multiple of 1 to 2 times the width of the clamping jaw. Pay attention to the orientation of the wire rope clips.

Note: "Never saddle a dead horse"



Wire rope diameter [mm]	Nominal size ["]	Distance e [mm]	Required number of clips	Required torque lubricated [Nm]	Required torque unlubricated [Nm]	Wrench width [mm]
14-15	9/16	52 - 104	3	50	150	24

Note: Mesh is on the Downslope side

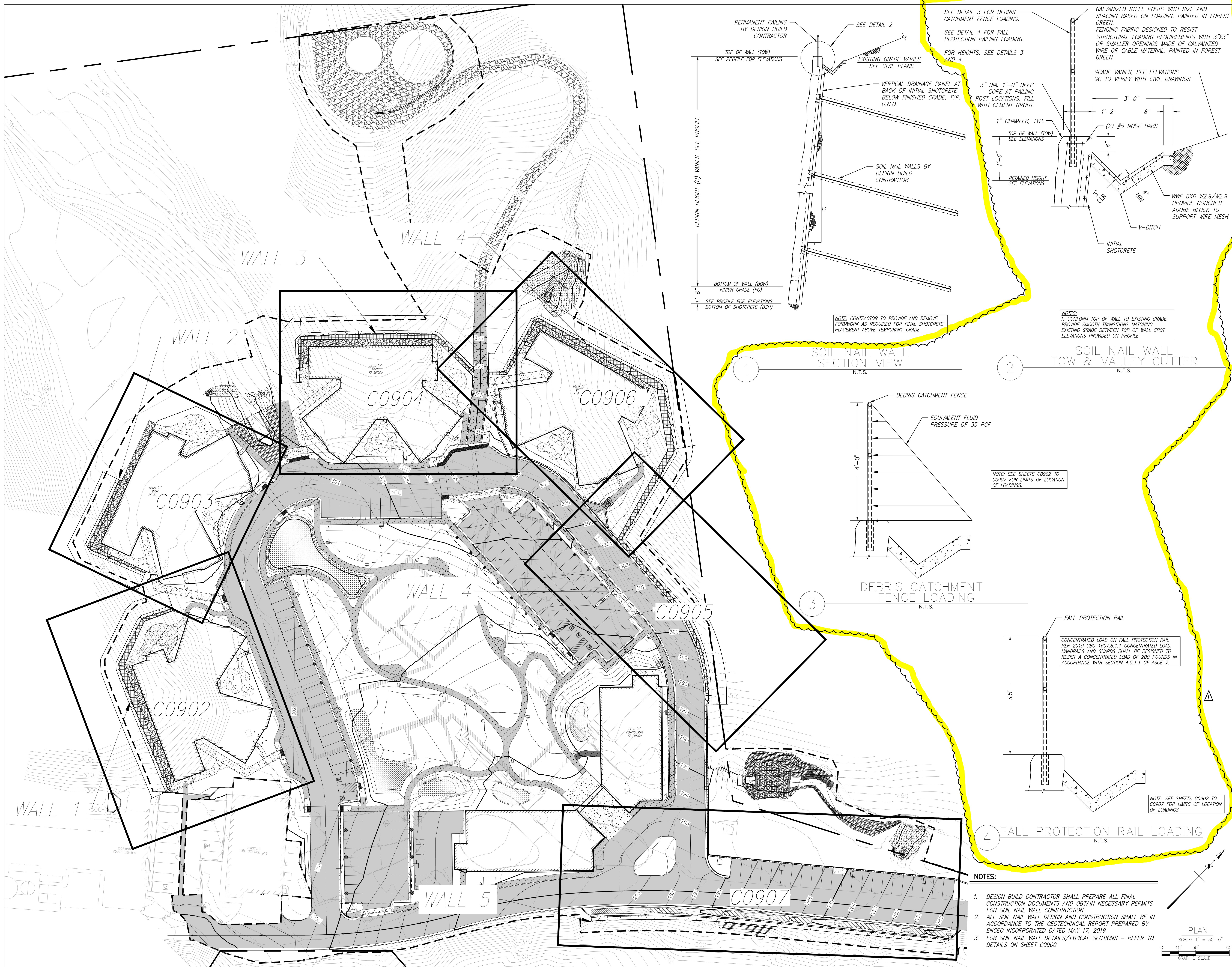
Detail Anchor:



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modification:	M-%	substitute for: GS-1528e ed. 14.02.17	drawn	16.05.17	BIH
		replaced by:	checked	16.05.17	BIH
			approved	16.05.17	LAA
T35 embedded Roadside Rockfall Barrier System Drawing			GS-1529.2e		
GEOBRUGG AG CH-8590 Romanshorn					



County of San Mateo
PDU



Cordilleras Health
System Replacement
Project

CANNONDESIGN

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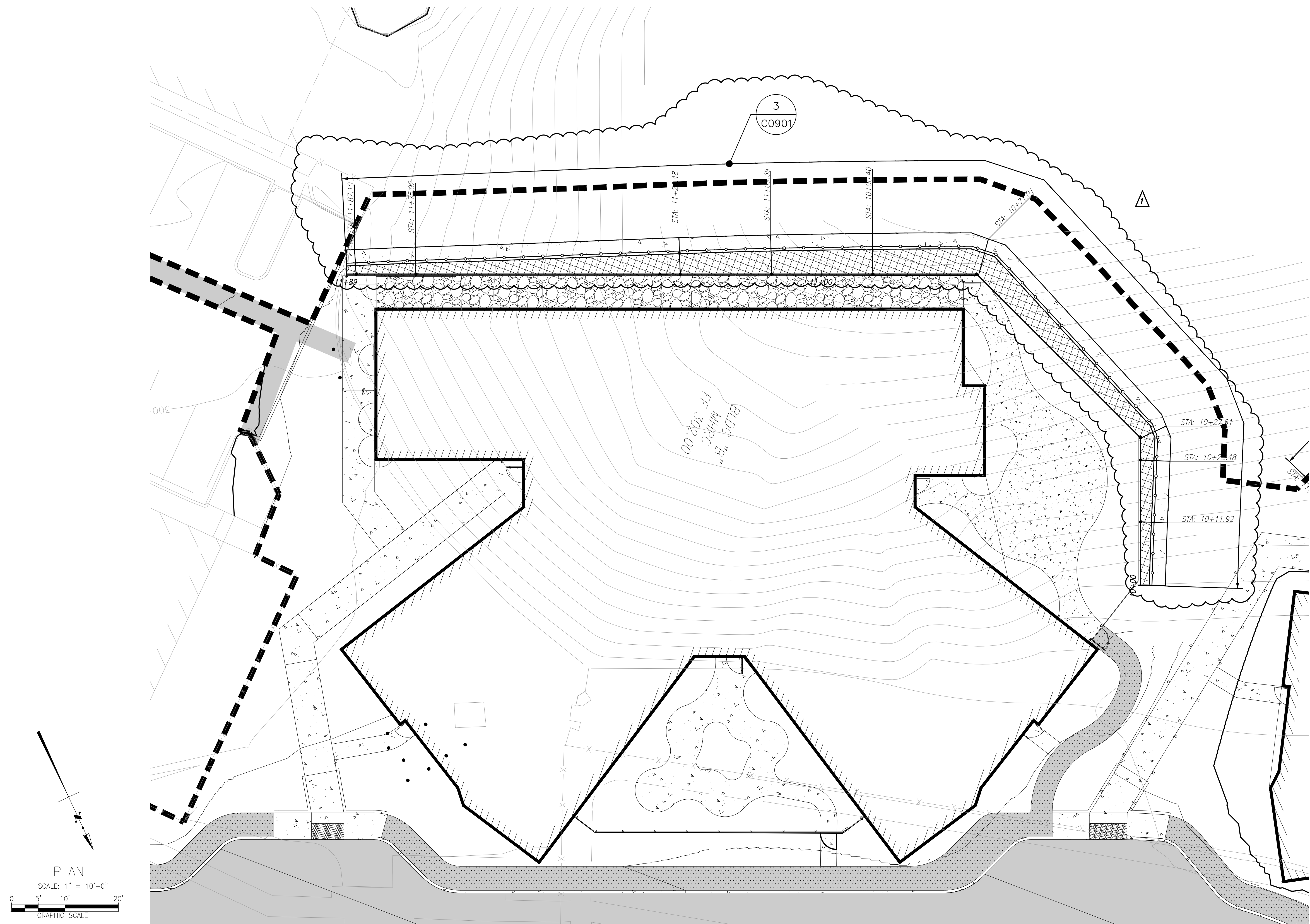
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NOT FOR
CONSTRUCTION

50%	DESIGN DEVELOPMENT	14 JUNE 2019
100%	DESIGN DEVELOPMENT	19 JULY 2019
20%	CONSTRUCTION	11 OCT 2019
	DOCUMENT	
50%	CONSTRUCTION	08 NOV 2019
	DOCUMENT	
No.	Description	Date

C0901 SOIL NAIL
WALL PLAN KEY
MAP AND DETAILS

Project No.: 005318.00 Checked by: _____



- LEGEND**
- SOIL NAIL WALL NON-TEXTURED SURFACE (NTS) FACE
 - SOIL NAIL WALL TEXTURED SURFACE (TS) FACE
 - CONCRETE VALLEY GUTTER
 - TEMPORARY SOIL NAIL WALL BY DESIGN BUILD CONTRACTOR
 - EXISTING GRADE (EG) AT BACK OF VALLEY GUTTER
 - TOP OF WALL (TOW)
 - BOTTOM OF WALL (BOW) AT FINISH GRADE
 - BOTTOM OF SHOTCRETE (BSH) 1.5' BELOW GRADE
 - DEBRIS CATCHMENT FENCE, SEE DETAIL 3 IN SHEET C0901. FALL PROTECTION RAIL, SEE DETAIL 4 IN SHEET C0901.

County of San Mateo
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Cordilleras Health
System Replacement
Project

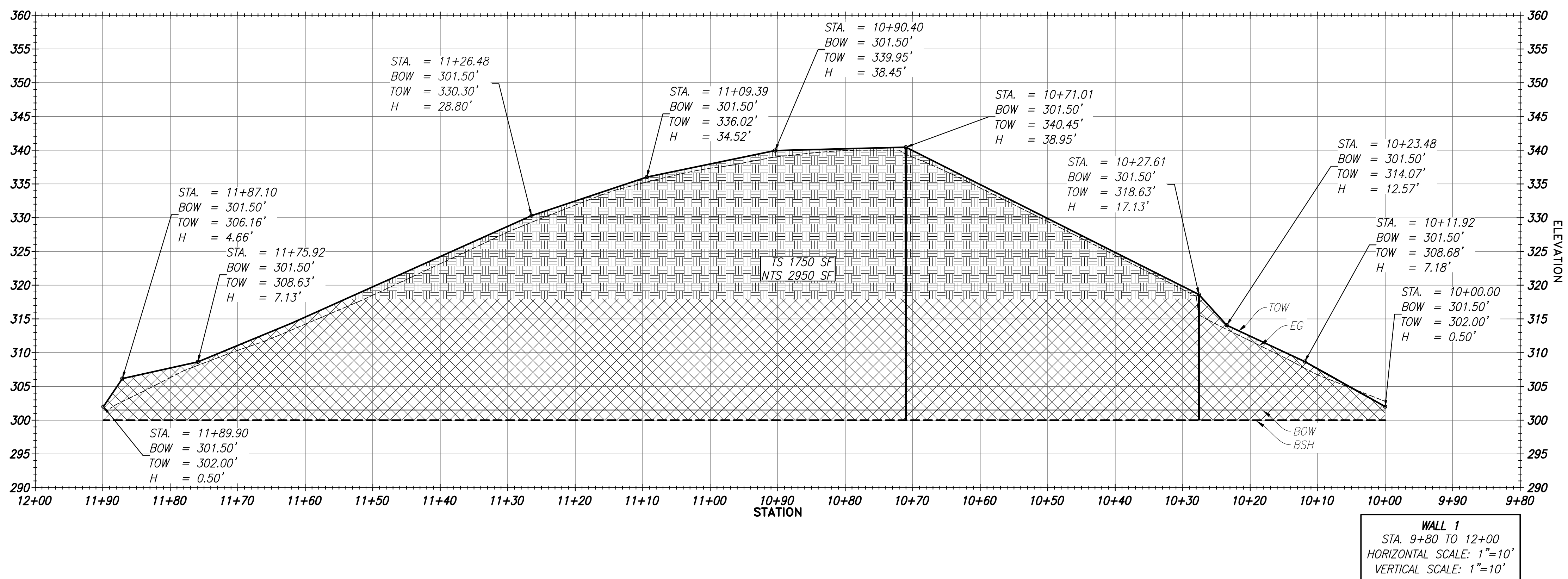
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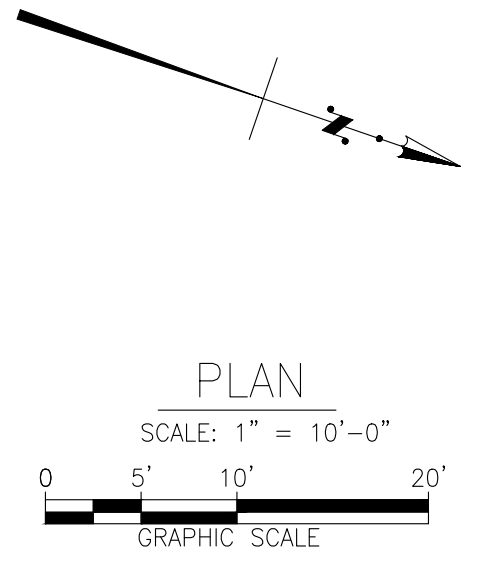
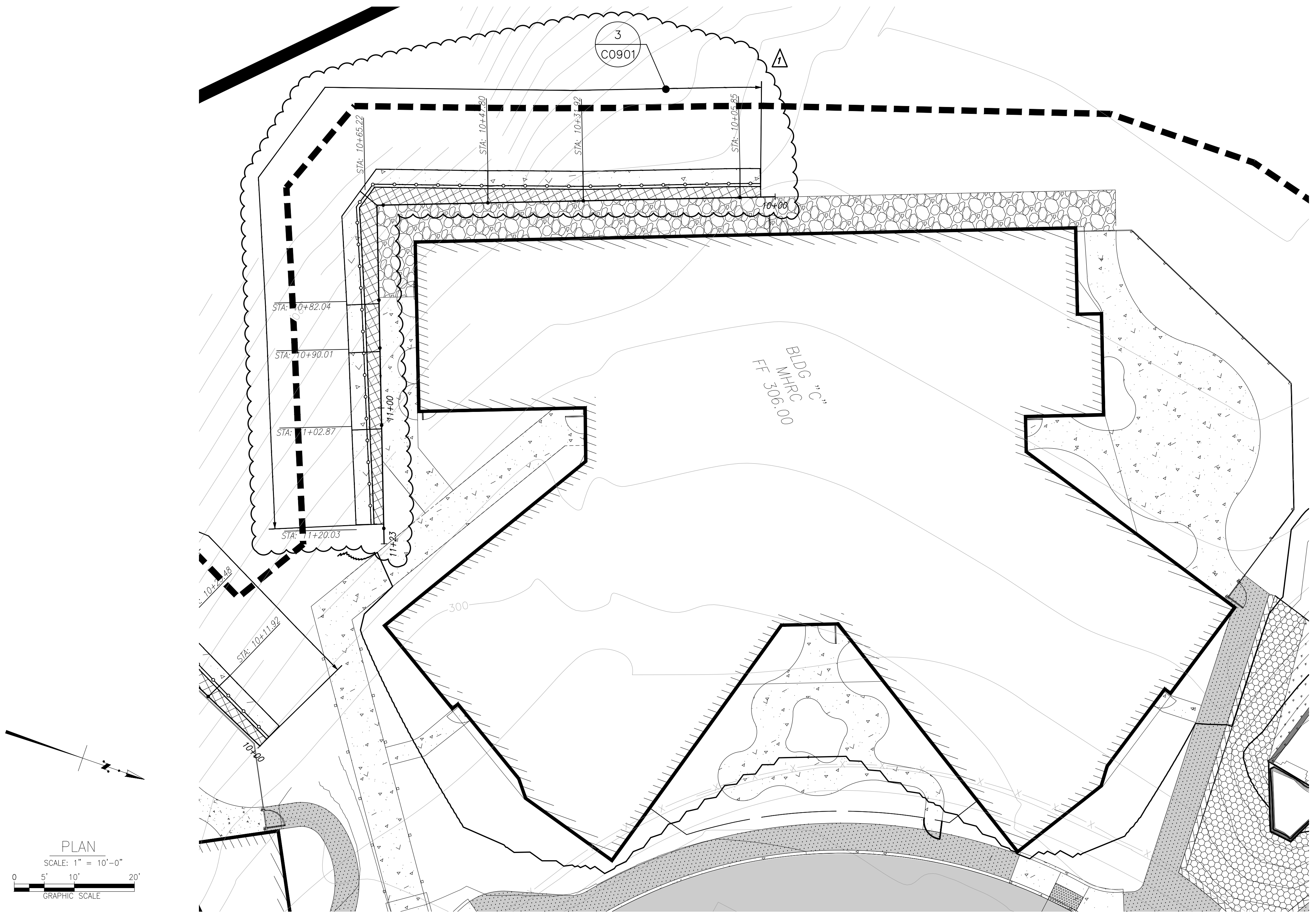


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20% CONSTRUCTION DOCUMENT	11 OCT 2019
50% CONSTRUCTION DOCUMENT	08 NOV 2019

No.	Description	Date
1	Key Plan	
2	Drawing Title	

C0902 SOIL NAIL
WALL PLAN &
PROFILE WALL 1

Project No.: 005318.00 Checked by: _____



LEGEND

- SOIL NAIL WALL NON-TEXTURED SURFACE (NTS) FACE
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- DEBRIS CATCHMENT FENCE, SEE DETAIL 3 IN SHEET C0901. FALL PROTECTION RAIL, SEE DETAIL 4 IN SHEET C0901.

County of San Mateo
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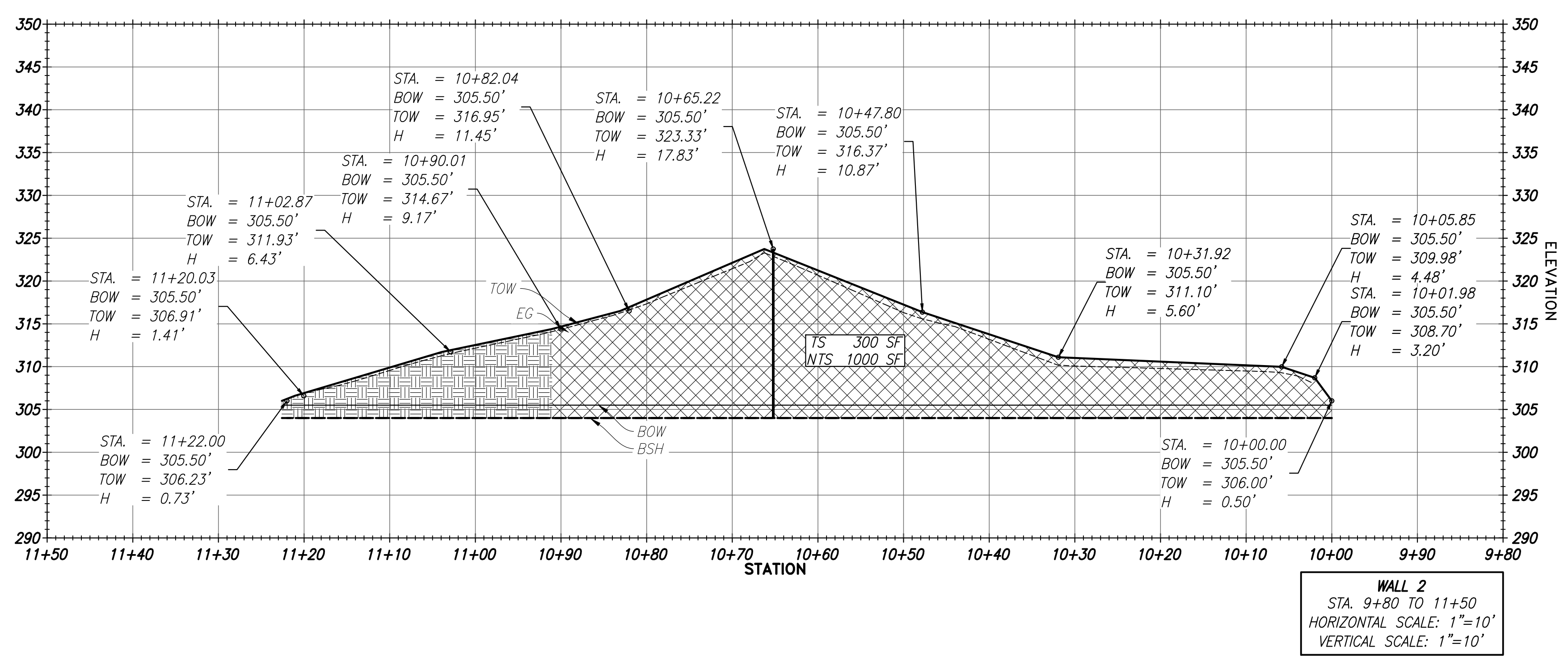
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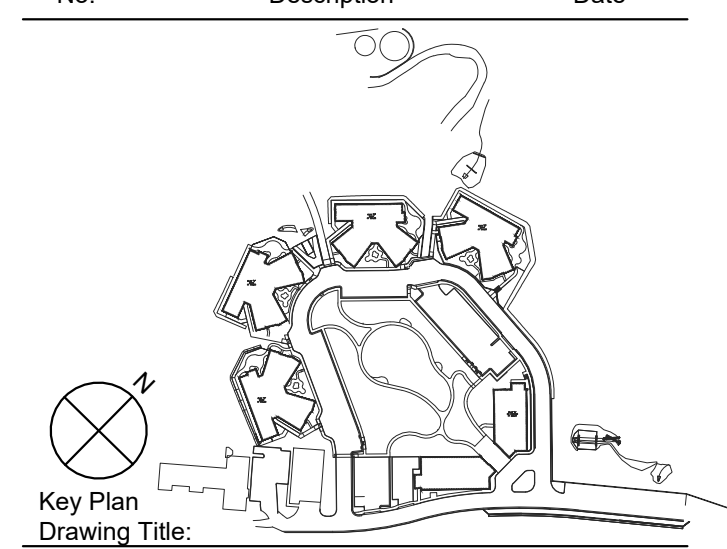
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CONSTRUCTION



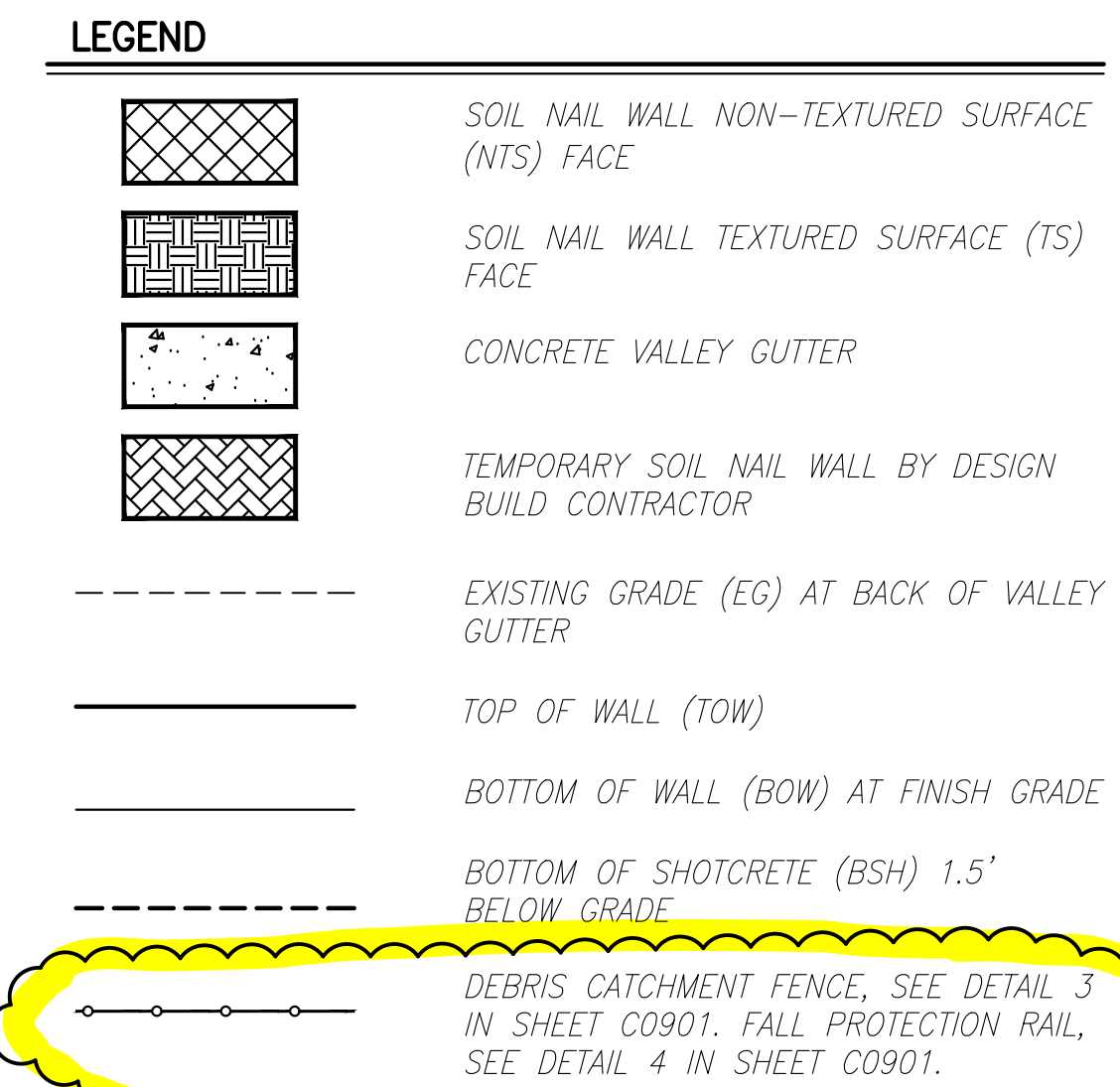
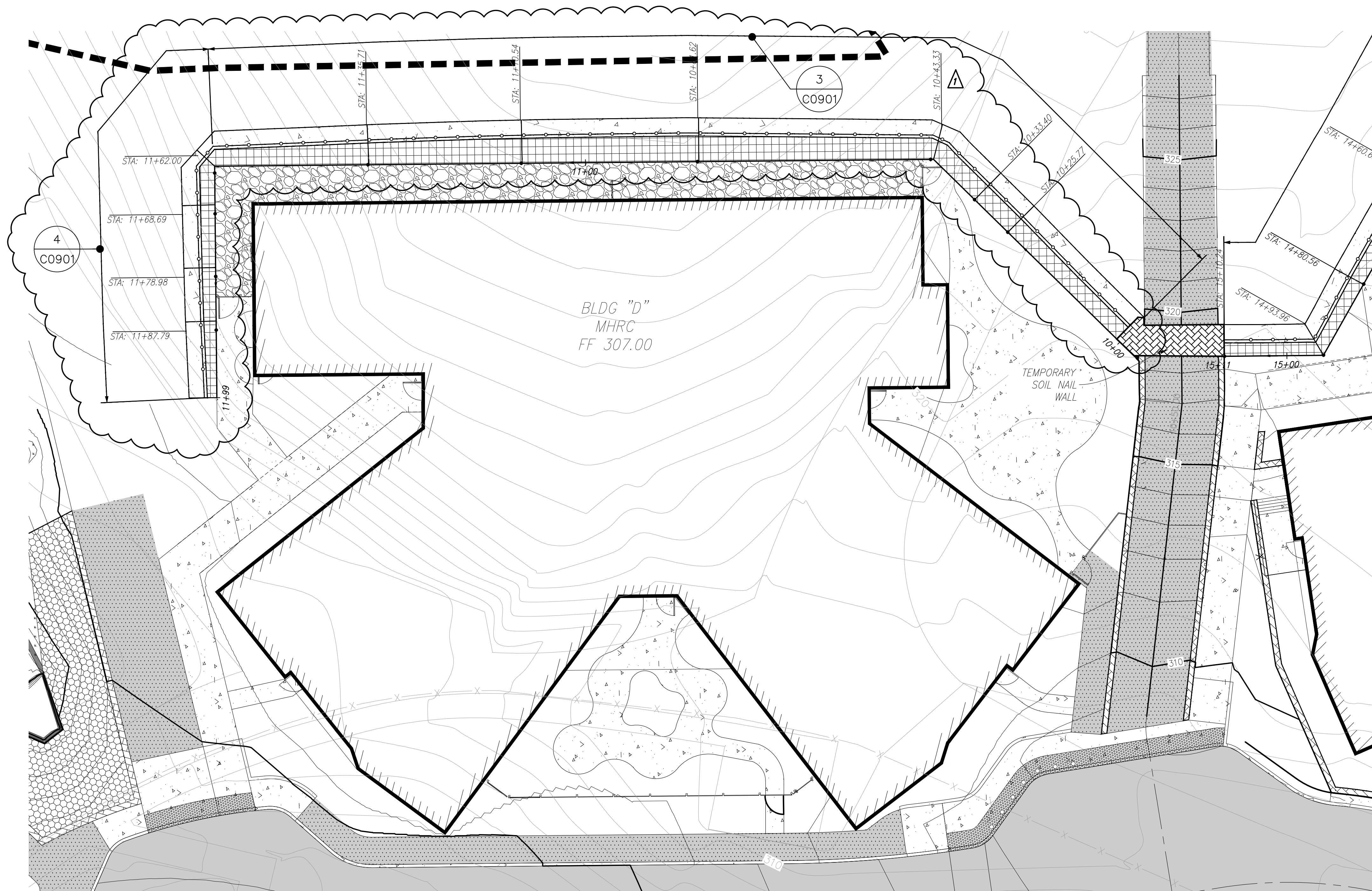
WALL 2
STA. 9+80 TO 11+50
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=10'

50% DESIGN DEVELOPMENT	14 JUNE 2019
100% DESIGN DEVELOPMENT	19 JULY 2019
20% CONSTRUCTION	11 OCT 2019
50% CONSTRUCTION	08 NOV 2019

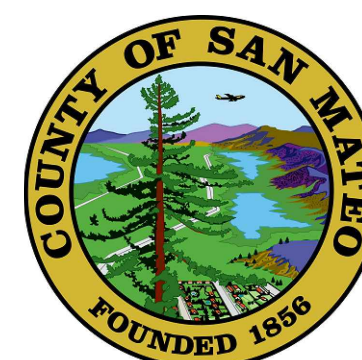


C0903 SOIL NAIL
WALL PLAN &
PROFILE WALL 2

Project No.: 005318.00 Checked by: _____



County of San Mateo
PDU



Cordilleras Health
System Replacement
Project

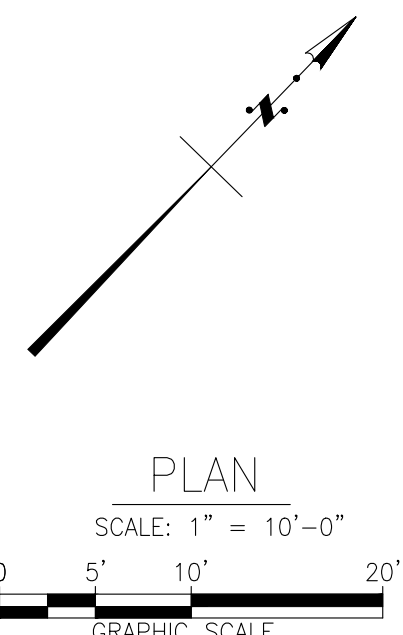
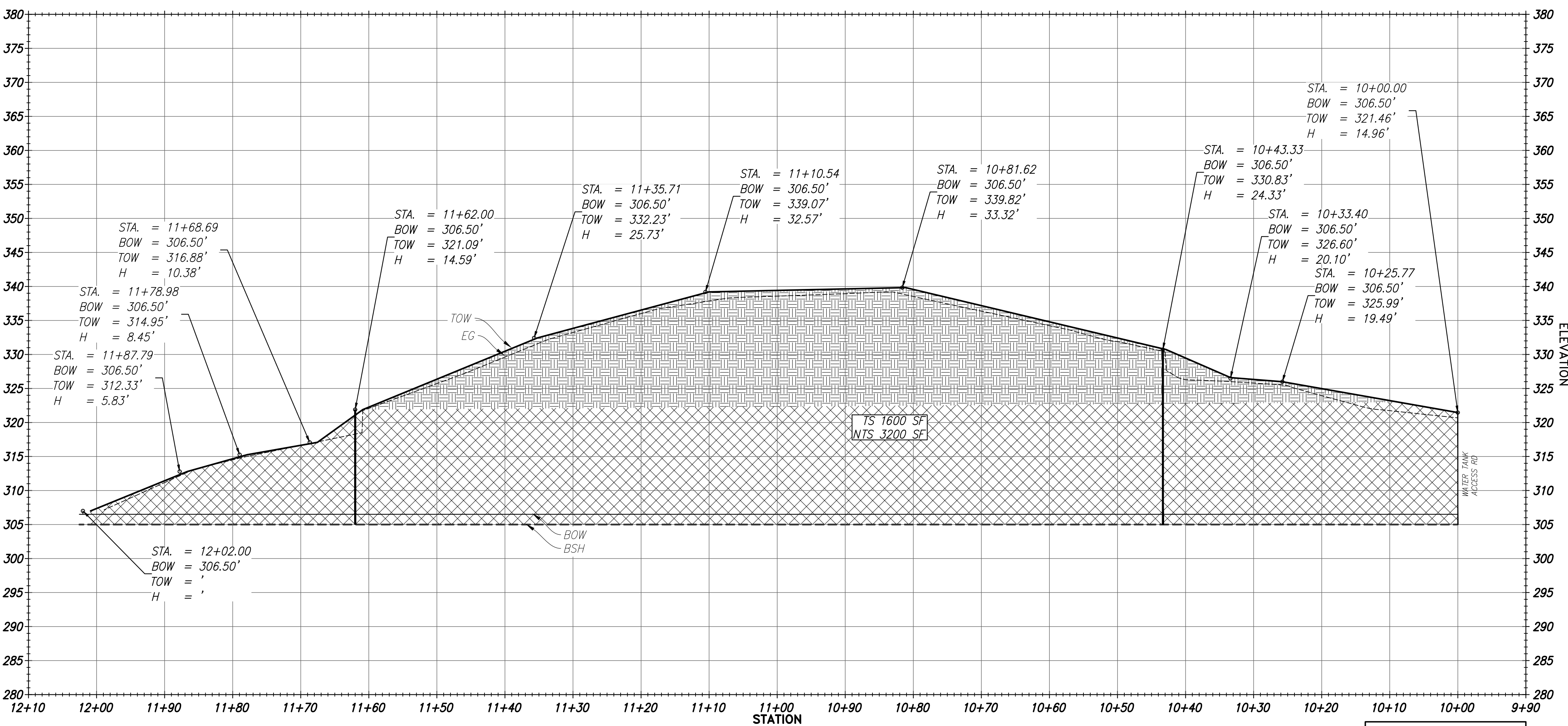
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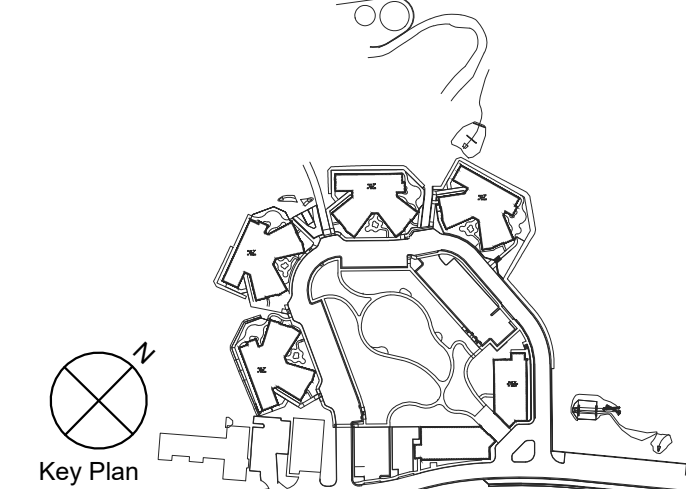
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CONSTRUCTION**



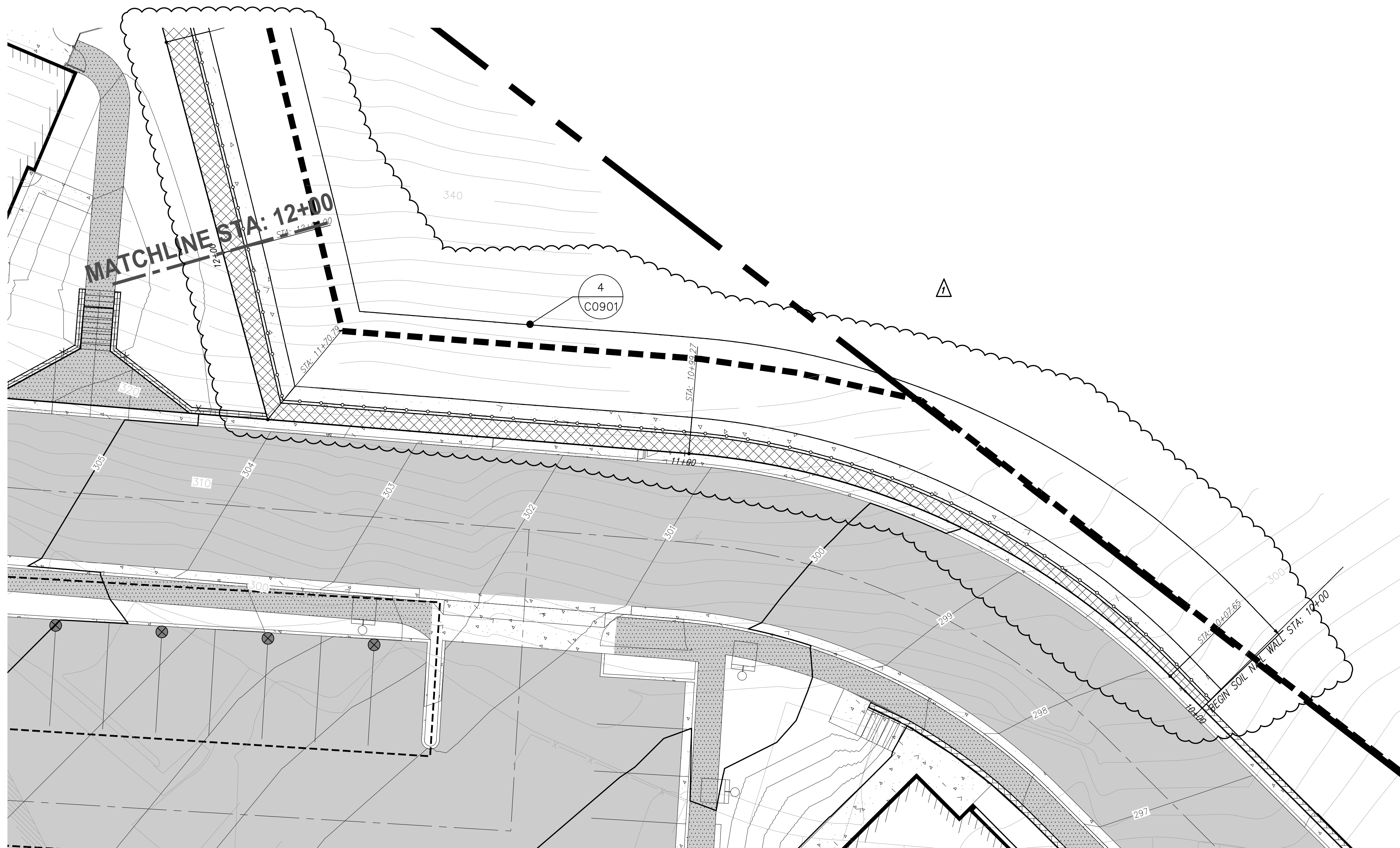
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20% CONSTRUCTION	11 OCT 2019
50% CONSTRUCTION	08 NOV 2019

No.	Description	Date
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**C0904 SOIL NAIL
WALL PLAN &
PROFILE WALL 3**

Project No.: 005318.00 Checked by: _____



LEGEND	
	SOIL NAIL WALL NON-TEXTURED SURFACE (NTS) FACE
	SOIL NAIL WALL TEXTURED SURFACE (TS) FACE
	CONCRETE VALLEY GUTTER
	TEMPORARY SOIL NAIL WALL BY DESIGN BUILD CONTRACTOR
	EXISTING GRADE (EG) AT BACK OF VALLEY GUTTER
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Cordilleras Health
System Replacement
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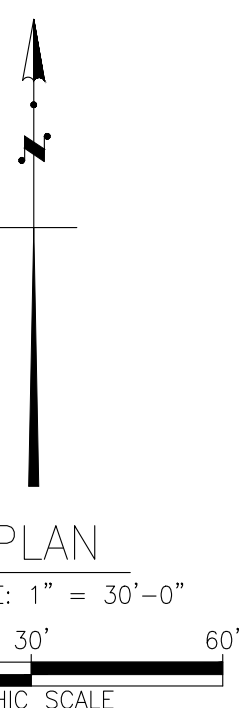
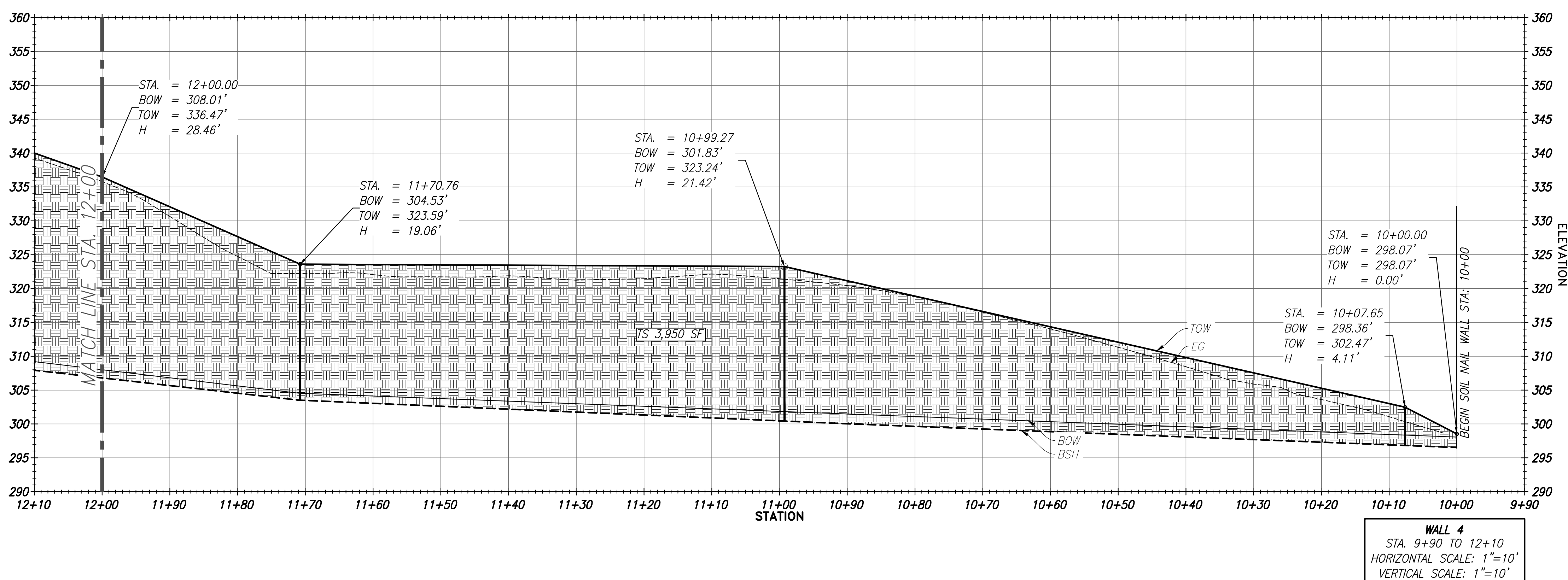
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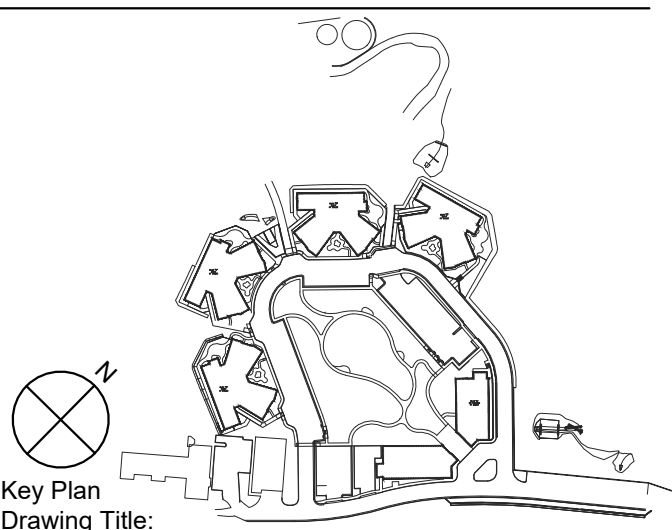
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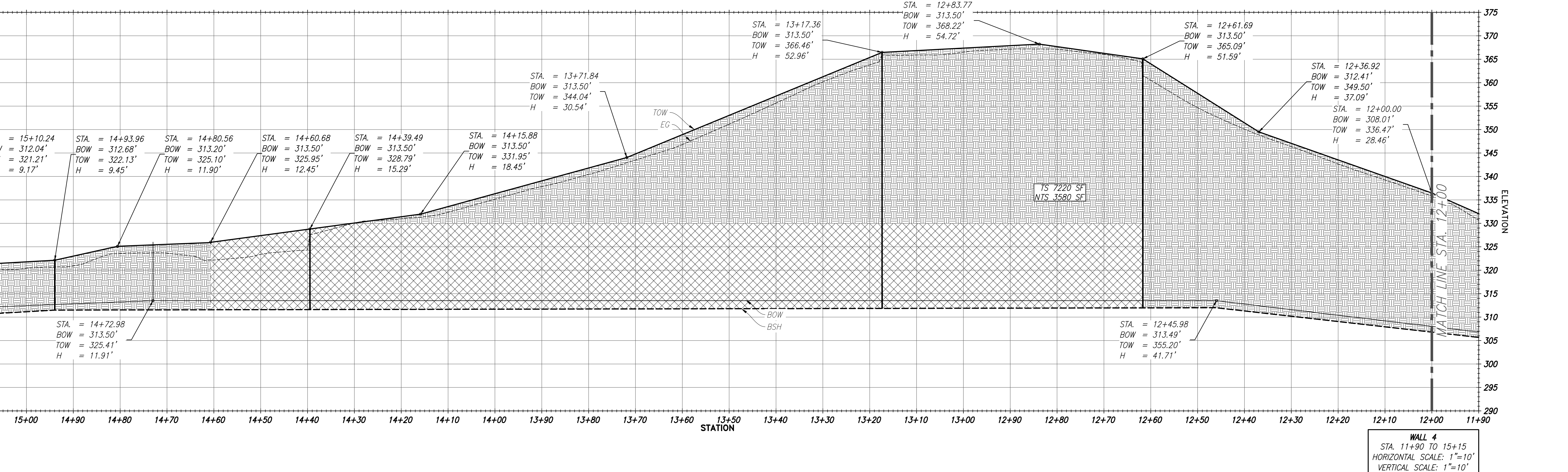
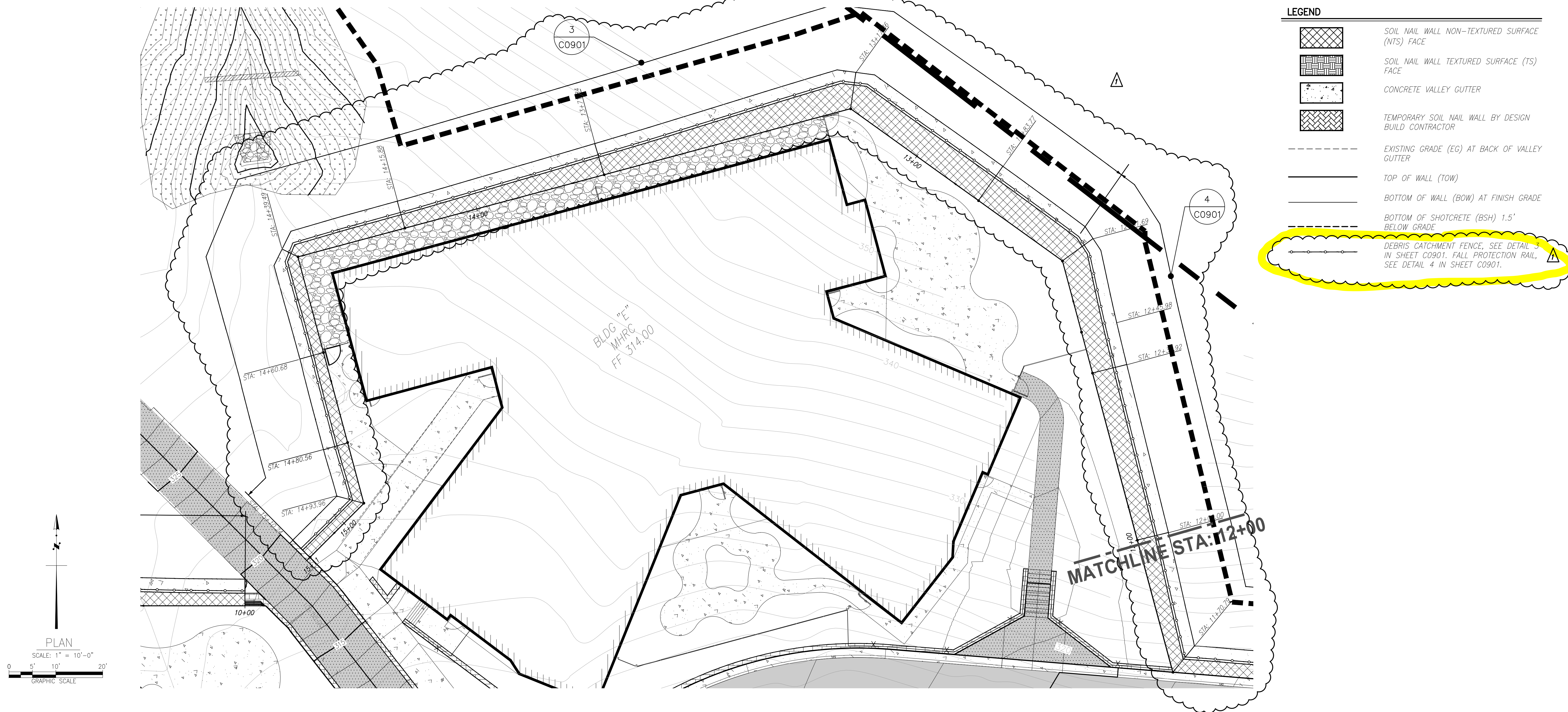


50% DESIGN DEVELOPMENT	14 JUNE 2019
100% DESIGN DEVELOPMENT	19 JULY 2019
20% CONSTRUCTION DOCUMENT	11 OCT 2019
50% CONSTRUCTION DOCUMENT	08 NOV 2019



C0905 SOIL NAIL
WALL PLAN &
PROFILE WALL 4

Project No.: 005318.00 Checked by: _____



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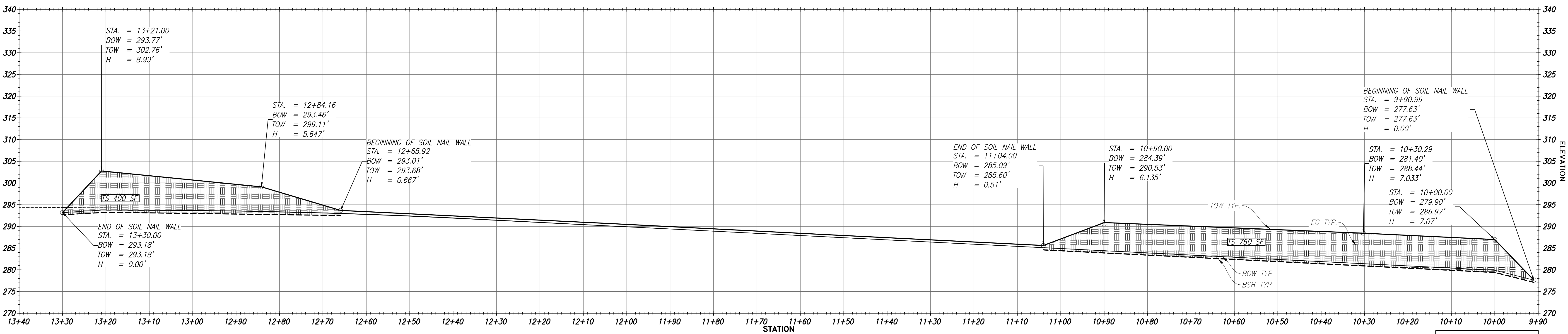
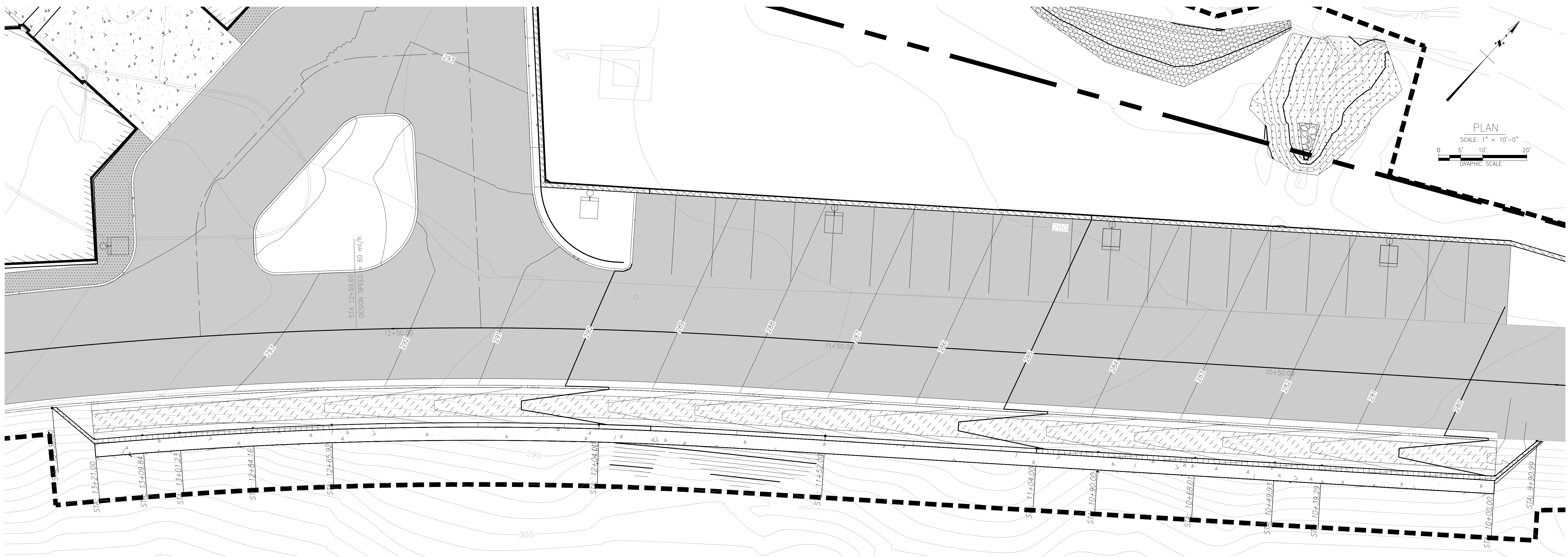
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20% CONSTRUCTION DOCUMENT 11 OCT 2019
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No.	Description	Date

**C0906 SOIL NAIL
WALL PLAN &
PROFILE WALL 4**

Project No.: 005318.00 Checked by: _____



LEGEND

- SOIL NAIL WALL NON-TEXTURED SURFACE (NTS) FACE
- SOIL NAIL WALL TEXTURED SURFACE (TS) FACE
- CONCRETE VALLEY GUTTER
- TEMPORARY SOIL NAIL WALL BY DESIGN BUILD CONTRACTOR
- EXISTING GRADE (EG) AT BACK OF VALLEY GUTTER
- TOP OF WALL (TOW)
- BOTTOM OF WALL (BOW) AT FINISH GRADE
- BOTTOM OF SHOTCRETE (BSH) 1.5' BELOW GRADE
- DEBRIS CATCHMENT FENCE. SEE DETAIL 3 IN SHEET C0901. FALL PROTECTION RAIL, SEE DETAIL 4 IN SHEET C0901.

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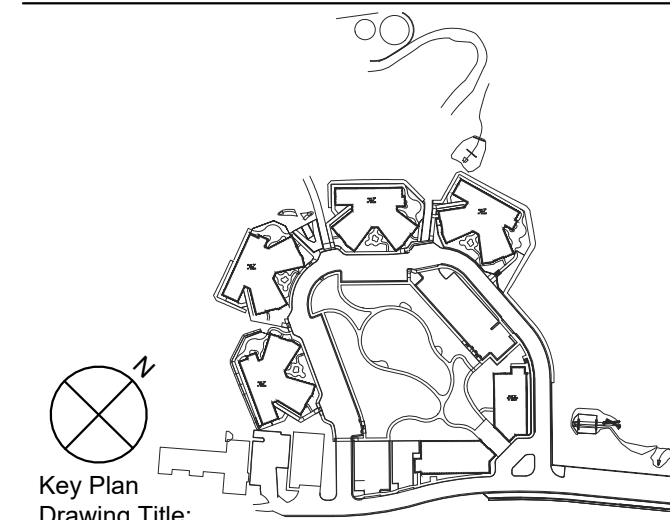
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20% CONSTRUCTION	11 OCT 2019
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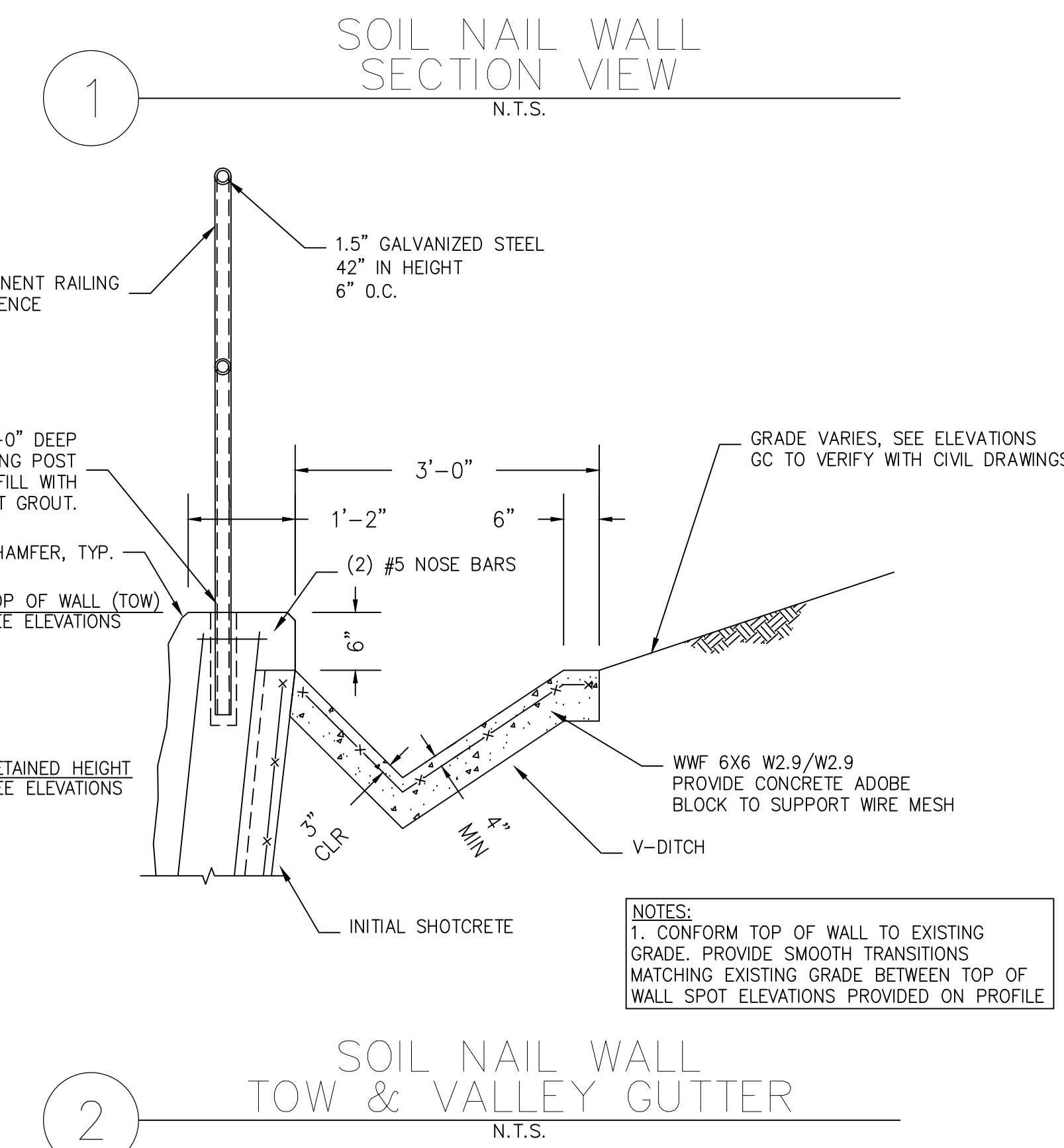
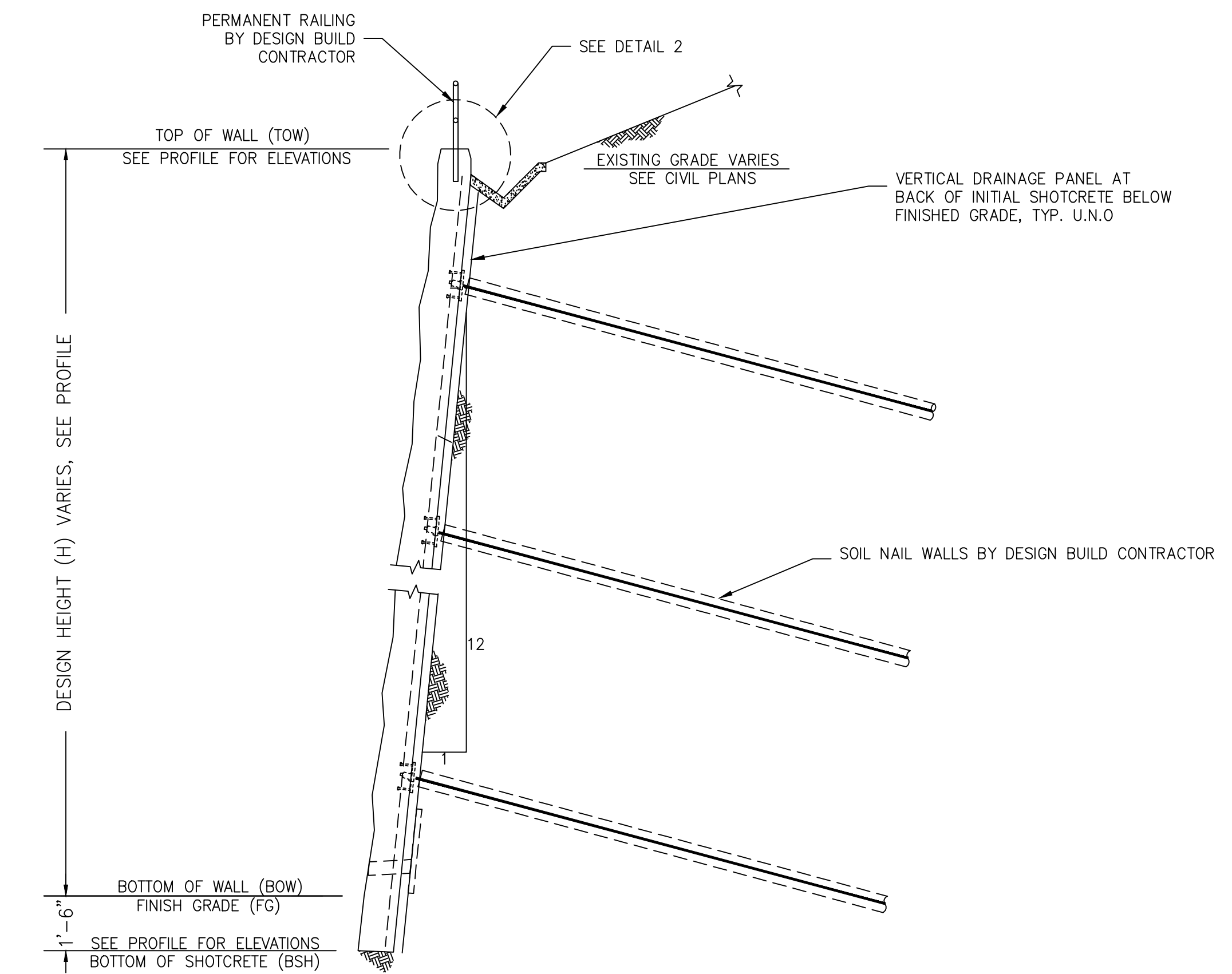
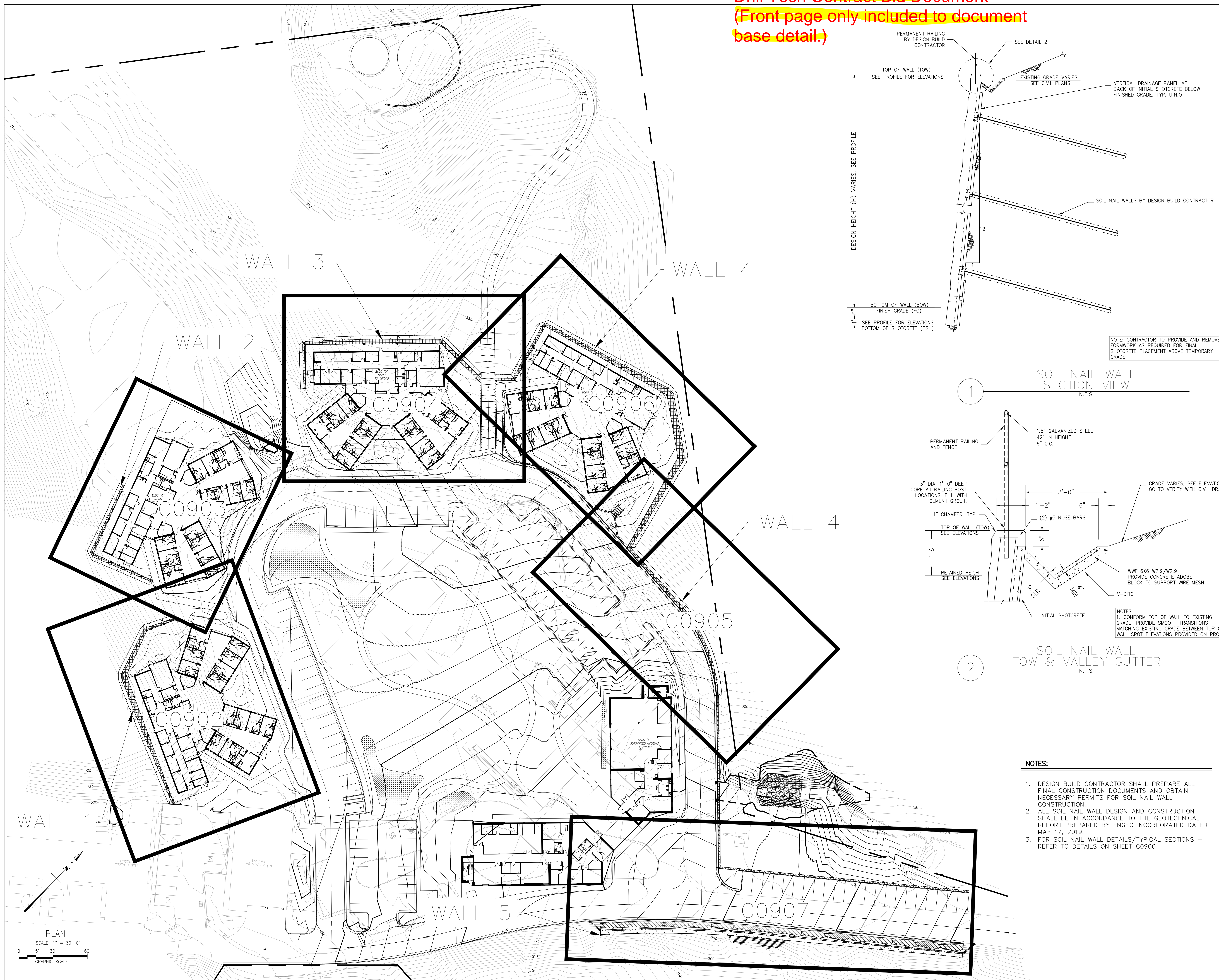
No.	Description	Date
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C0907 SOIL NAIL
WALL PLAN &
PROFILE WALL 5

Project No.: 005318.00 Checked by: _____

Drill Tech Contract Bid Document
(Front page only included to document
base detail.)



NOTES:

- DESIGN BUILD CONTRACTOR SHALL PREPARE ALL FINAL CONSTRUCTION DOCUMENTS AND OBTAIN NECESSARY PERMITS FOR SOIL NAIL WALL CONSTRUCTION.
- ALL SOIL NAIL WALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE TO THE GEOTECHNICAL REPORT PREPARED BY ENGEO INCORPORATED DATED MAY 17, 2019.
- FOR SOIL NAIL WALL DETAILS/TYPICAL SECTIONS - REFER TO DETAILS ON SHEET C0900

County of San Mateo
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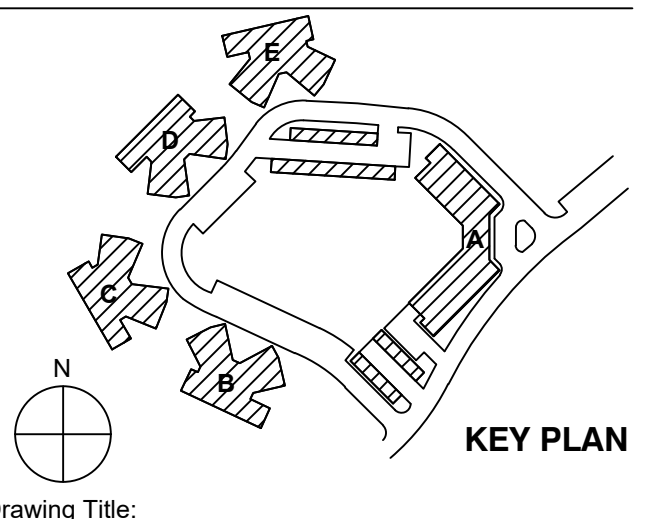
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50% DESIGN DEVELOPMENT 14 JUNE 2019



SOIL NAIL WALL
PLAN KEY MAP
AND DETAILS

Project No.: 005318.00 Checked by: IJM

C0901



Skanska USA
 1 California Street
 Suite 1400
 San Francisco, California 94111
 Phone: (510) 285-1800
 Fax: (510) 285-1801

Project: 4318012 - Cordilleras Health System Replacement Project
 200 Edmonds Road
 Redwood City, California 94062

Fall Protection and Catchment Fence at Soil Nail Wall

TO:	JT Hsu (CannonDesign)	FROM:	Lindsay Corotis (Skanska USA Building Inc. (CA-San F)) 1 California Street Suite 1400 San Francisco, California 94111
DATE INITIATED:	05/27/2020	STATUS:	Open
LOCATION:		DUE DATE:	06/03/2020
COST CODE:		REFERENCE:	
COST IMPACT:	Yes (Unknown)	SCHEDULE IMPACT:	No
DRAWING NUMBER:	C0901 - C0907 Soil Nail Wall Plans Dated 11/28/19. 50% CD's	SPEC SECTION:	
SUBCONTRACTOR RFI #:			
LINKED DRAWINGS:			
RECEIVED FROM:			
COPIES TO: Scott Gurley (SMCPDU (San Mateo County Project Develo)), Steven Moreland (KPFF)			

Question from Lindsay Corotis (Skanska USA Building Inc. (CA-San Fran) at 05:55 PM on 05/27/2020

In accordance with the meeting on 5/20/20 the location of the fall protection fence and catchment fence have been modified from the Basis of Design Documents C0901-C0907 dated 11/8/20 as issued for the 50% CD's. Are we too proceed with the fence types per the attached notes dated 5/20/20 on the attached document.

Attachments:

[Catchment and Rail Location Discussion.pdf](#)

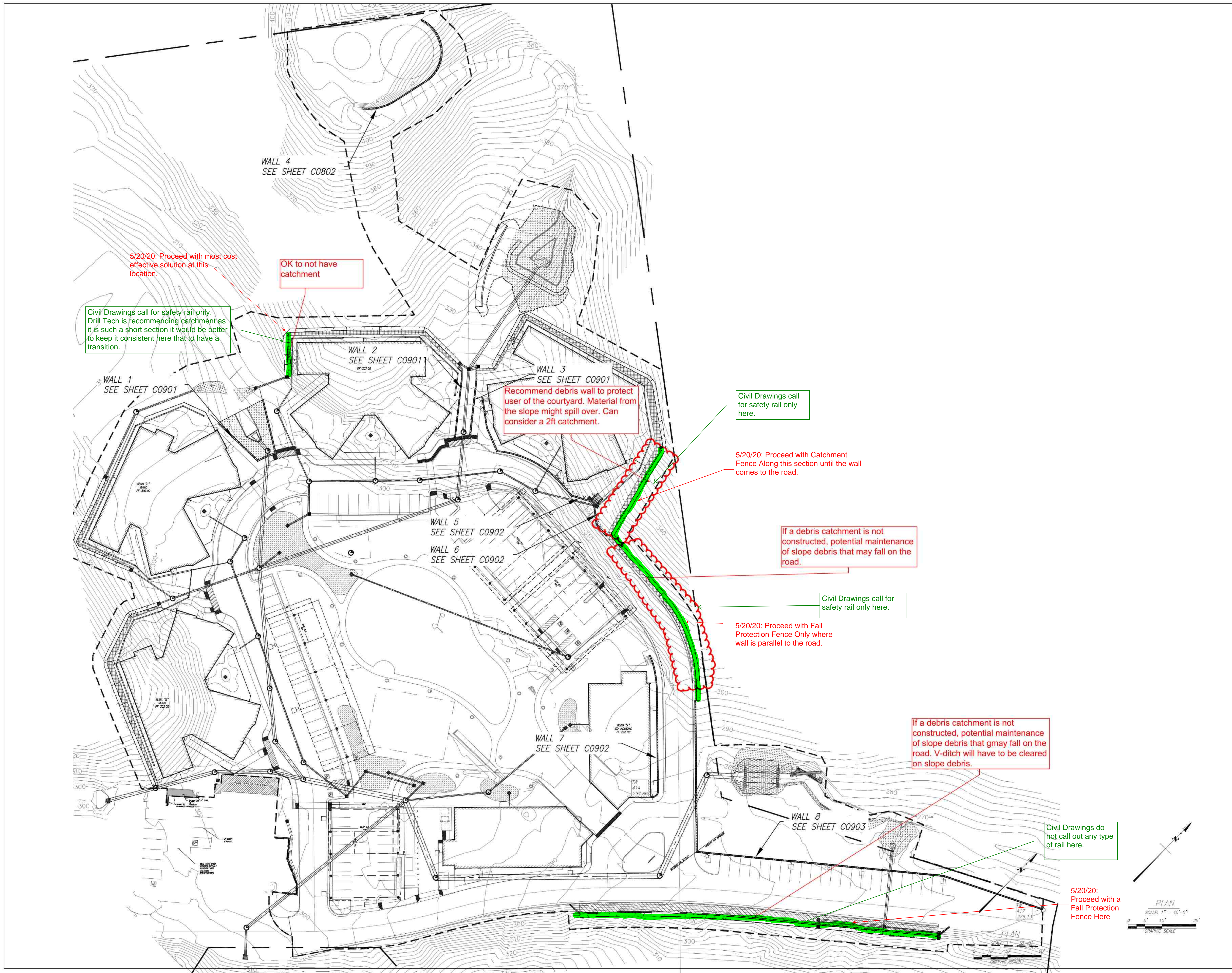
Awaiting an Official Response

All Replies:

BY

DATE

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20% CONSTRUCTION DOCUMENT	11 OCT 2019
50% CONSTRUCTION DOCUMENT	22 NOV 2019
75% QA/QC SET GRADING PERMIT	10 JAN 2020 14 FEB 2020

No.	Description	Date
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**CAST-IN-PLACE WALL
KEY MAP**

Project No.: 005318.00 Checked by: IJM

C0900