

ELECTRONIC STORAGE

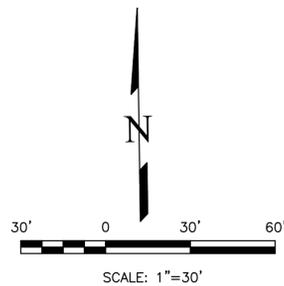
GRADING AND EROSION CONTROL PLAN

GRADING DETAILS SHEET

MARCH 2020

LEGEND

- BASIN DESIGNINATION
- AREA IN BASIN (AC)
- DESIGN POINT
- BASIN BOUNDARY
- EXISTING 1' CONTOUR
- EXISTING 10' CONTOUR
- GROUND SURFACE FLOW DIRECTION
- ROAD AND DITCH FLOW DIRECTION
- CHAIN-LINK FENCE

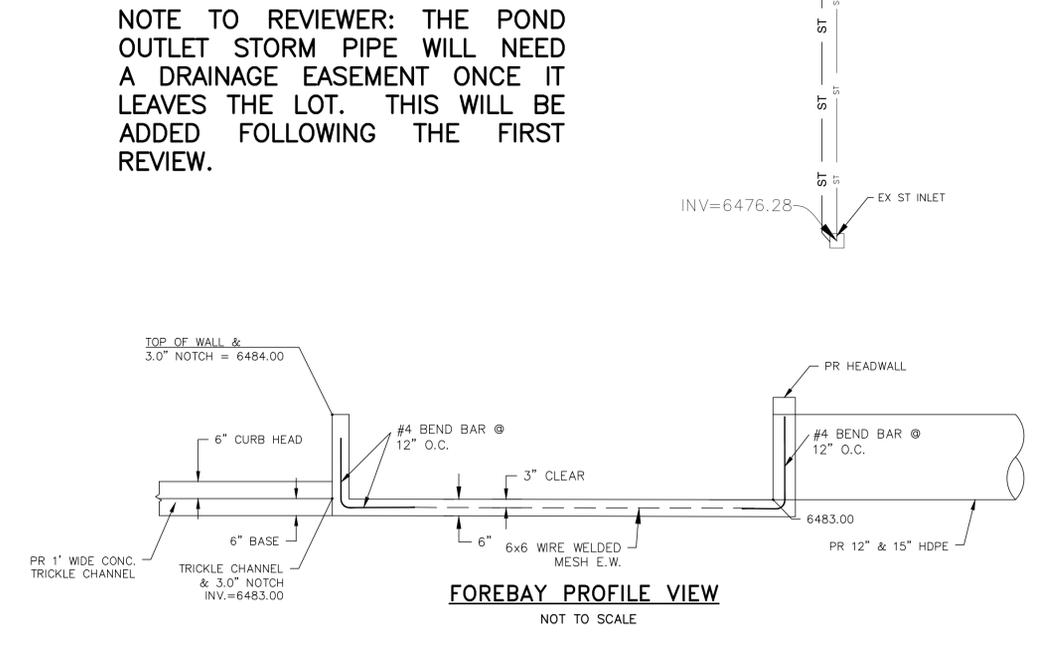
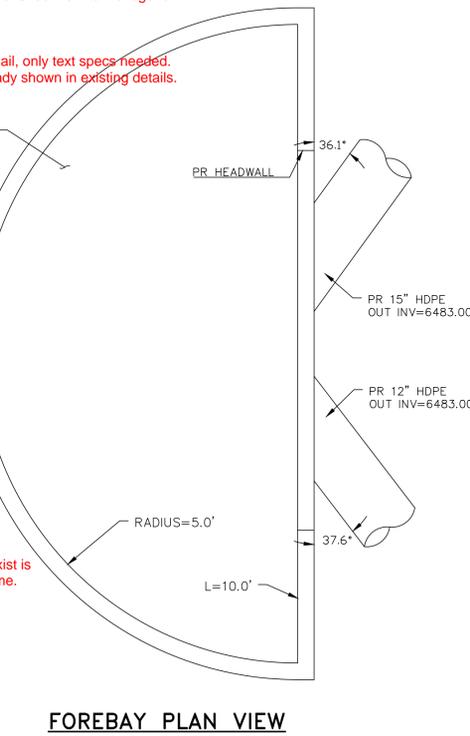
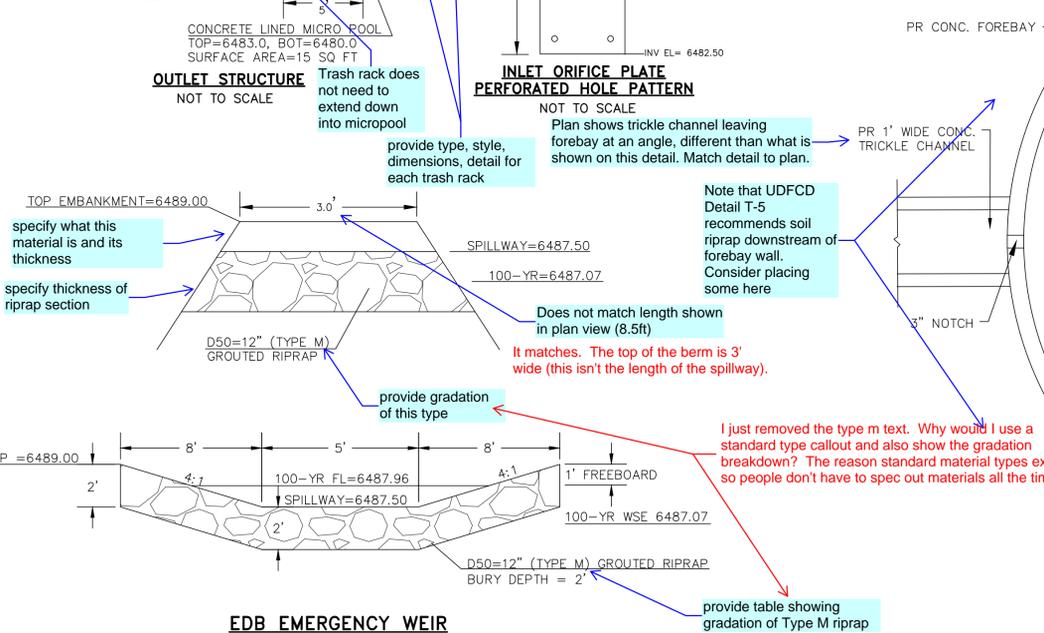
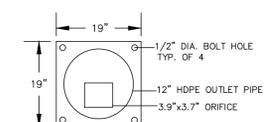
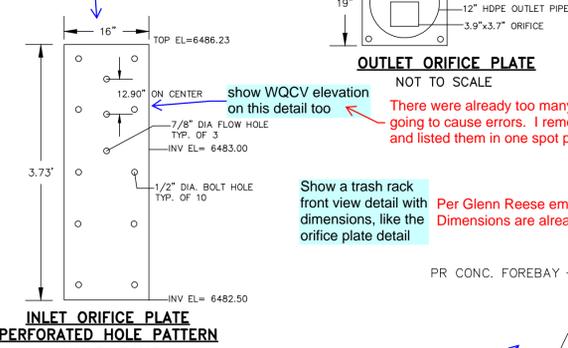
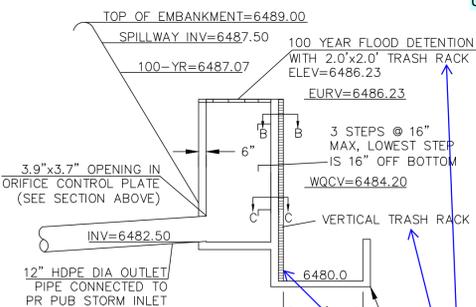
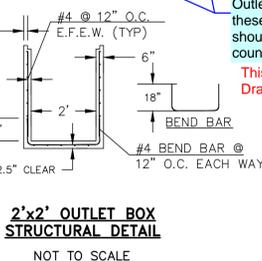
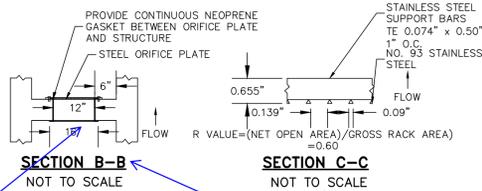
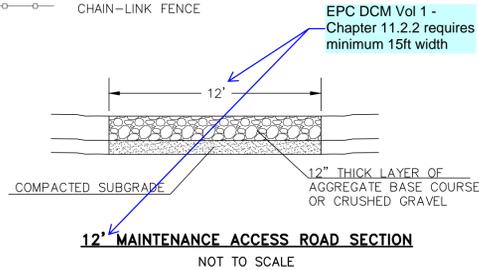
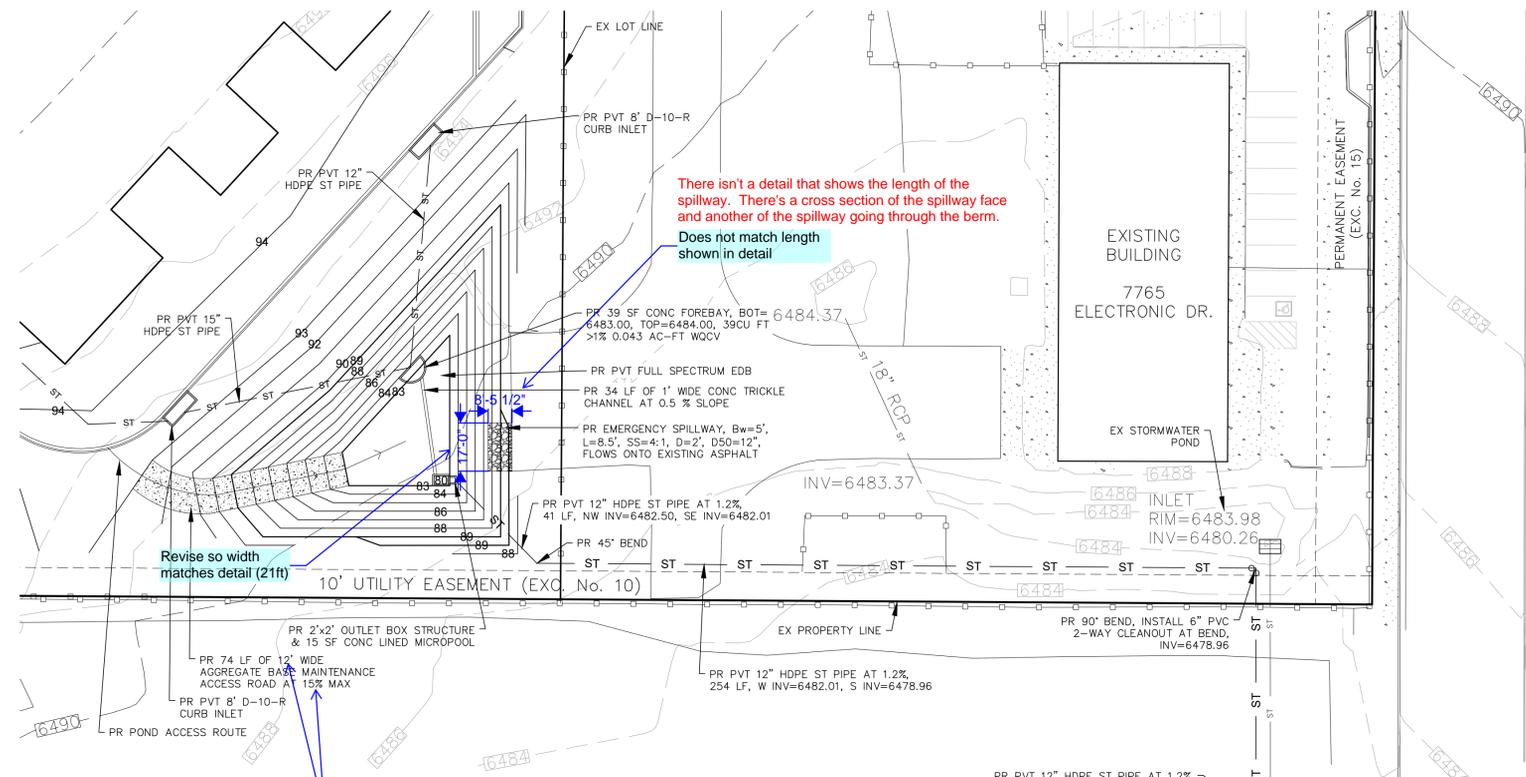


NOTES

1. ALL HDPE STORM PIPE IS TO BE SMOOTH INTERIOR PIPE.

BENCHMARKS

#5 REBAR WITH ORANGE PLASTIC CAP MARKED "CSAM, LLC PLS 32439", FLUSH WITH GROUND - ELEV.=6513.85 (NAVD-1988) [NORTHWEST PROPERTY CORNER]



REVISIONS	DATE
NO.	DESCRIPTION
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE REVIEWING AGENCIES, THE TERRA NOVA ENGINEERING, INC. APPROVES THEIR USE ONLY FOR THE PROJECT AND FOR THE DESIGN AND CONSTRUCTION AUTHORIZED BY WRITTEN AUTHORIZATION.	
PREPARED FOR: D. STEFANO - BUILDING &... ATTN: DAVID STEFANO 520 W 21ST ST, G-2 #710 NORFOLK, CA 94557 757.333.3144	
721 S. ZUBO STREET COLORADO SPRINGS, CO 80904 OFFICE: 719-635-6422 FAX: 719-635-6426 www.tninc.com	
ELECTRONIC STORAGE PROPOSED DRAINAGE MAP PROPOSED DRAINAGE MAP	
DESIGNED BY DLF DRAWN BY DLF CHECKED BY LD H-SCALE AS SHOWN V-SCALE N/A JOB NO. 1971.00 DATE ISSUED 03/23/20 SHEET NO. 3 OF 7	

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BENCHMARKS

#5 REBAR WITH ORANGE PLASTIC CAP MARKED "CSAM, LLC PLS 32439", FLUSH WITH GROUND - ELEV.=6513.85 (NAVD-1988) [NORTHWEST PROPERTY CORNER]

ELECTRONIC STORAGE

GRADING AND EROSION CONTROL PLAN

EROSION CONTROL PLAN

MARCH 2020

LEGEND

EXISTING CONTOURS - MINOR	---	6132	---
EXISTING CONTOURS - MAJOR	---	6130	---
GRADE & DIRECTION	2.2%		
PROPOSED CONTOUR	62		
PROPOSED	PR		
EXISTING	EX		
WATER LINE	---	W	---
SEWER LINE	---	SS	---
STORM LINE	---	ST	---
OVERHEAD ELECTRICAL LINE	---	OE	---
CHAIN LINK FENCE	---	CL	---
FIRE HYDRANT			
CONCRETE EDGE	CE		
FINISHED GROUND	FG		
FINISHED SURFACE	FS		
FLOWLINE	FL		
SPOT ELEVATION	SE		
ASPHALT EDGE	AE		
LOW POINT	LP		
HIGH POINT	HP		
EXISTING ELEVATION	12.00*		
EXISTING SPOT GRADE	×	EX	7314.00
PROPOSED SPOT GRADE	×	PR	7314.00
CONSTRUCTION SITE BOUNDARY & AREA OF SOIL DISTURBANCE	---		
CUT FILL AREA BOUNDARY	---		

EROSION CONTROL LEGEND

KEY	TITLE	SYMBOL	IMPLEMENTATION PHASE
(SF)	SILT FENCE	---	INITIAL
(SSA)	STABILIZED STAGING AREA		INITIAL
(VTC)	VEHICLE TRACKING CONTROL		INITIAL
(SP)	STOCKPILE MANAGEMENT WITH PROTECTION		INITIAL
(CWA)	CONCRETE WASHOUT AREA		INITIAL
(IP)	INLET PROTECTION		INITIAL
(MU)	MULCHING - CRIMP FLAT AREAS, HYDROSEED ON SLOPES		FINAL
(PS)	PERMANENT SEEDING - DRILL SEED FLAT AREAS, BROADCAST SEED OR HYDROSEED ON SLOPES, SEED MIX PER DRAINAGE CRITERIA MANUAL (MAY 2014) VOL 1, TABLE 14-12		FINAL

NOTES

1. SEDIMENT CONTROL LOGS MAY BE SUBSTITUTED FOR SILT FENCE AND VICE VERSA.
2. SEED AND MULCH DISTURBED AREAS ONLY.
3. EXISTING SITE VEGETATION IS NATIVE GRASSES.

Item O - add a note discussing conditions of offsite grading near site entrance.

Include origin of information (ex: visual inspection). Note that the drainage report states that there is "mostly grasses and dirt surfaces, and a small number of trees." Revise note to match drainage report.

EROSION CONTROL COST OPINION:

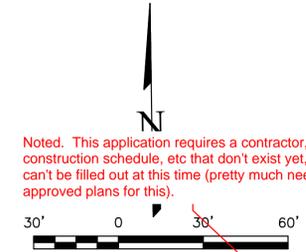
1. 1,403 LF-SILT FENCE @ \$2.50/LF	\$ 3,508
2. 1 EA-VEHICLE TRACKING CONTROL @ \$2,370/EA	\$ 2,370
3. 1 EA-CONCRETE WASHOUT @ \$900/EA	\$ 900
4. 5 EA-INLET PROTECTION @ \$167/EA	\$ 835
5. 0.78 AC-SEED AND MULCH @ \$1,500/AC	\$ 1,170
6. 1 EA-TEMP SEDIMENT TRAP @ \$1,762/EA	\$ 1,762
7. 40% MAINTENANCE AND REPLACEMENT	\$ 4,218
TOTAL	\$ 14,763

Show location of waste container, portable toilets, and SWMP storage location.

SWMP references possible construction trailer. If applicable, show location on drawings.

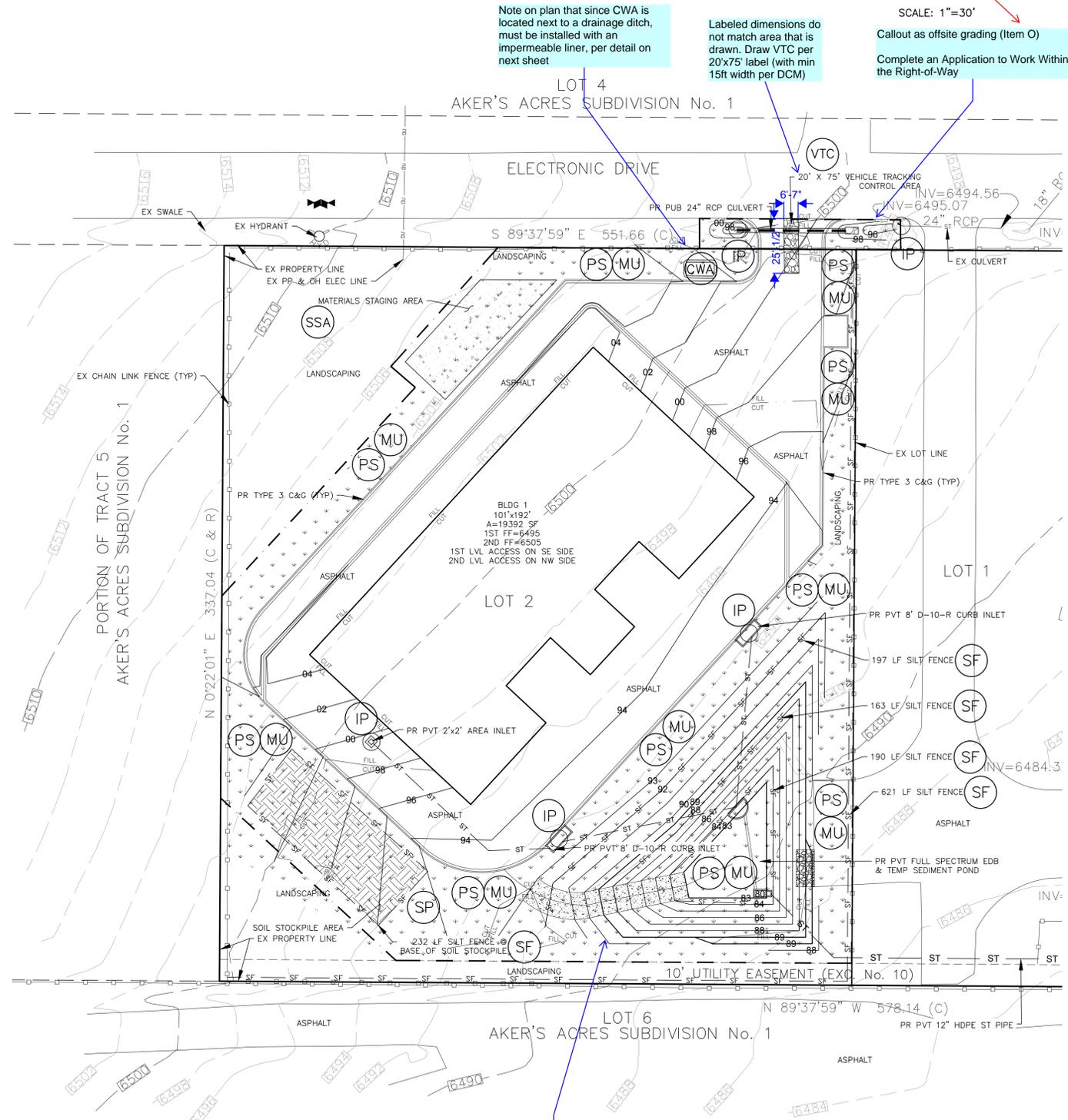
If locations of any of the above are TBD, don't need to show on drawing for next submittal.

All TBD. Added a note.



Note: This application requires a contractor construction schedule, etc that don't exist yet, so it can't be filled out at this time (pretty much need approved plans for this).

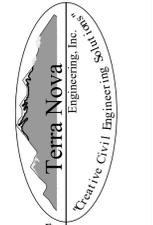
Callout as offsite grading (Item O)
Complete an Application to Work Within the Right-of-Way



REVISIONS	NO.	DESCRIPTION	DATE

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ELECTRONIC STORAGE
GRADING AND EROSION CONTROL PLAN
EROSION CONTROL PLAN

DESIGNED BY DLF
DRAWN BY DLF
CHECKED BY LD
H-SCALE 1" = 30'
V-SCALE N/A
JOB NO. 1971.00
DATE ISSUED 03/23/20
SHEET NO. 5 OF 7

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