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Attachment H.

Lyons Quarry
Reclamation Final
Design – Drawing Set

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AGGREGATE INDUSTRIES

LYONS QUARRY

RECLAMATION PROJECT



PROJECT VICINITY
SCALE: NTS

INDEX OF DRAWINGS

GENERAL

00G-01	COVER & DRAWING INDEX
00G-02	GENERAL NOTES & LEGEND
00G-03	PLAN OF EXISTING CONDITIONS & SURVEY CONTROL

CIVIL

01C-01	SITE ACCESS & STAGING AREAS
01C-02	FLOODPLAIN SOIL REMOVAL AND SITE GRADING PLAN
01C-03	FINAL GRADING PROFILE, SECTION, & DETAILS
01C-04	DRAINAGE & EROSION CONTROL PLAN
01C-05	SCOUR BERM SECTION & DETAILS
01C-06	DRAINAGE & EROSION CONTROL DETAILS
01C-07	DRAINAGE & EROSION CONTROL DETAILS
01C-08	OVERALL RECLAMATION PLAN & DETAILS



ISSUE	DATE	DESCRIPTION
REV 2	6/02/2023	FINAL DESIGN
REV 1	6/29/2021	FINAL DESIGN
100%	4/16/2021	FINAL DESIGN
90%	2/12/2021	PRE-FINAL DESIGN
60%	1/22/2021	INTERMEDIATE DESIGN PACKAGE

PROJECT MANAGER		TRAVIS SNYDER
DRAWN BY		R. NALLEY
PROJECT NUMBER		10092468

AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT

GENERAL COVER & DRAWING INDEX

FILENAME | 00G-01.dwg
SCALE | AS NOTED

SHEET
00G-01

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MATERIALS IN PLAN/SECTION

ASPHALT (PLAN OR SMALL-SCALE SECTION)

CONCRETE (PLAN AND/OR SECTION)

DEMOLITION (PLAN AND/OR SECTION)

EARTH (SECTION)

BEDROCK

GRANULAR FILL (SECTION)

GROUT (SECTION)

METAL (SECTION)

PLYWOOD (LARGE-SCALE SECTION)

PRECAST CONCRETE (PLAN AND/OR SECTION)

RIPRAP (PLAN AND/OR SECTION)

HYDROMULCH

SAND (SECTION)

ROCKFALL DEBRIS/MUCK

GENERAL SYMBOLOGY

ARROW INDICATES DIRECTION OF PLAN NORTH

PLAN

TITLE

PLAN TITLE

SECTION LETTER

FLAG INDICATES DIRECTION OF SECTION CUT

SHEET WHERE SECTION IS LOCATED

SECTION CUT MARKER

SECTION LETTER

SECTION

TITLE

SHEET WHERE SECTION VIEW IS FIRST CUT *

SECTION TITLE

DETAIL NUMBER

SHEET WHERE DETAIL IS LOCATED *

DETAIL MARKER

FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.

DETAIL MARKER

FOR REFERENCING DETAILS BOUND IN SPECIFICATIONS OR SEPARATE VOLUME.

DETAIL NUMBER

SHEET WHERE DETAIL WAS CALLED OUT *

DETAIL

TITLE

DETAIL TITLE

ELEVATION NUMBER

ARROW INDICATES POINT OF VIEW

SHEET WHERE ELEVATION IS LOCATED *

SINGLE ELEVATION OR PHOTO MARKER

ELEVATION NUMBER

ARROW INDICATES POINT OF VIEW ELEVATION

INDICATES SHEET WHERE ELEVATION IS LOCATED

MULTIPLE ELEVATION OR PHOTO MARKER

ELEVATION IDENTIFICATION NUMBER

ELEVATION

TITLE

SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND *

ELEVATION TITLE

* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-).

1) FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS.

2) SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET THEY ARE CUT OR CALLED OUT ON.

MINING

US HIGHWAY SYMBOL

INTERSTATE HIGHWAY SYMBOL

CENTERLINE

PROPERTY LINE

EMBANKMENT SLOPE (CUT)

EMBANKMENT SLOPE (FILL)

SOIL SURFACE

BEDROCK SURFACE

BREAKLINE

WATER LEVEL IN SECTION/PROFILE

CULVERT

BRIDGE

SEDIMENT CONTROL LOG

STRAW BALE BARRIER

SLOPE LABEL

DIMENSION (CIVIL - EARTHWORKS)

DIMENSION (CIVIL - CONCRETE STRUCTURES)

CONTROL POINT

SCALE IN FEET

BARSCALE

GENERAL LINE SYMBOLOGY

EXISTING CONTOUR (MINOR)

EXISTING CONTOUR W/ELEVATION (MAJOR)

NEW CONTOUR (MINOR)

NEW CONTOUR (MAJOR)

ROADS (UNIMPROVED)

ROADS (PAVED)

CENTERLINE

HIDDEN LINE

PHANTOM LINE (NOT IN SECTION)

PROPERTY LINE

MATCH LINE

RAILROAD

WATERLINE/SURFACE DRAINAGE

HDPE / LDPE LINER

GEOTEXTILE

GEOCOMPOSITE

POWER LINE ALIGNMENT

GAS LINE ALIGNMENT

WATER LINE ALIGNMENT

STORM WATER LINE ALIGNMENT

FENCELINE

LIMITS OF DISTURBED AREA

EARTH DIKE & DRAINAGE SWALE

SILT FENCE

GENERAL NOTES:

1. THIS IS A STANDARD SHEET SHOWING COMMON SYMBOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.

2. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.

REV 1	6/02/2023	FINAL DESIGN
100%	4/16/2021	FINAL DESIGN
90%	2/12/2021	PRE-FINAL DESIGN
60%	1/22/2021	INTERMEDIATE DESIGN PACKAGE
ISSUE	DATE	DESCRIPTION

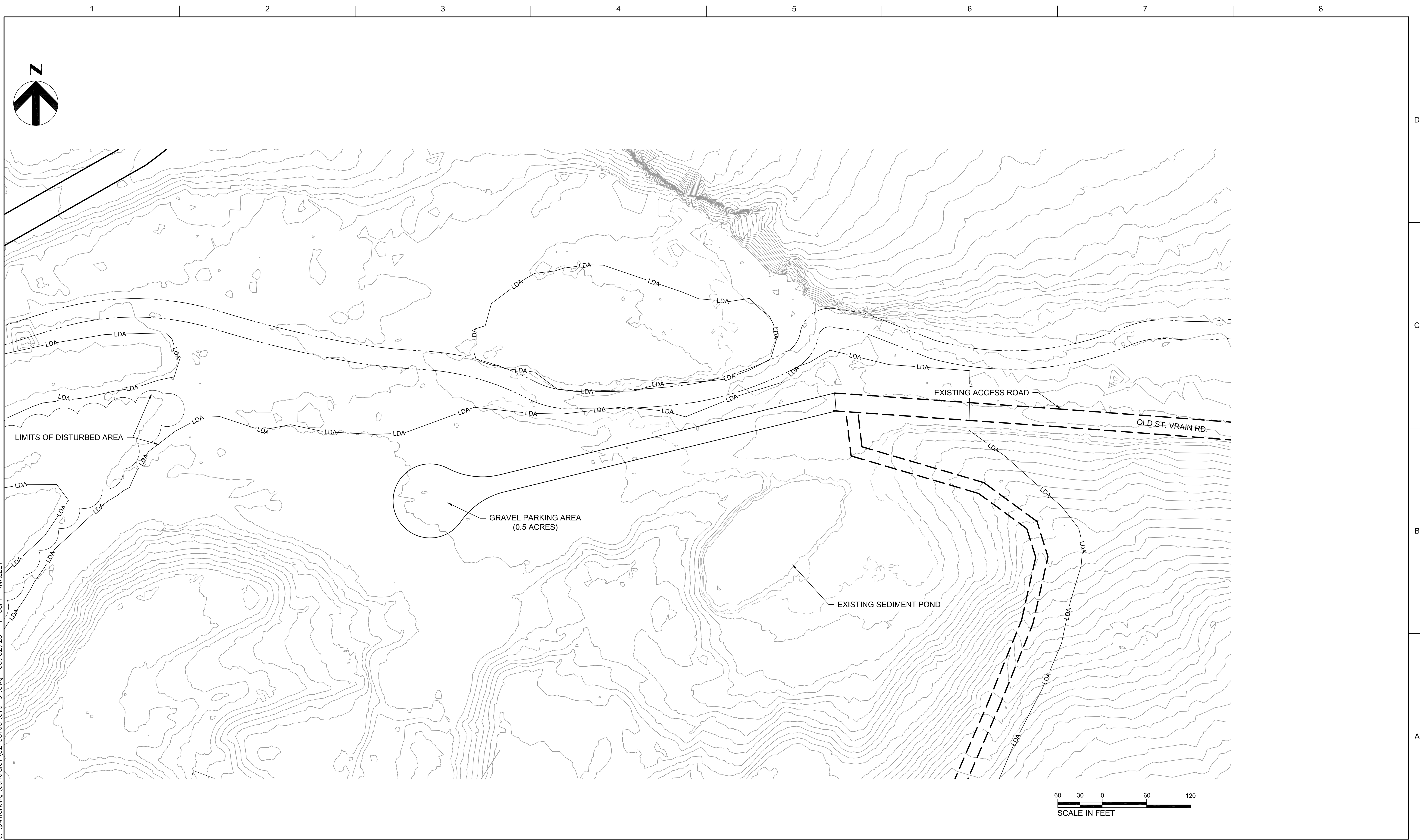
PROJECT MANAGER	TRAVIS SNYDER
DRAWN BY	R. NALLEY
PROJECT NUMBER	10092468

AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT

GENERAL
NOTES & LEGEND

FILENAME	00G-02.dwg
SCALE	AS NOTED

SHEET	00G-02
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100%	4/16/2021	FINAL DESIGN
90%	2/12/2021	PRE-FINAL DESIGN
60%	01/22/2021	INTERMEDIATE DESIGN PACKAGE
ISSUE	DATE	DESCRIPTION

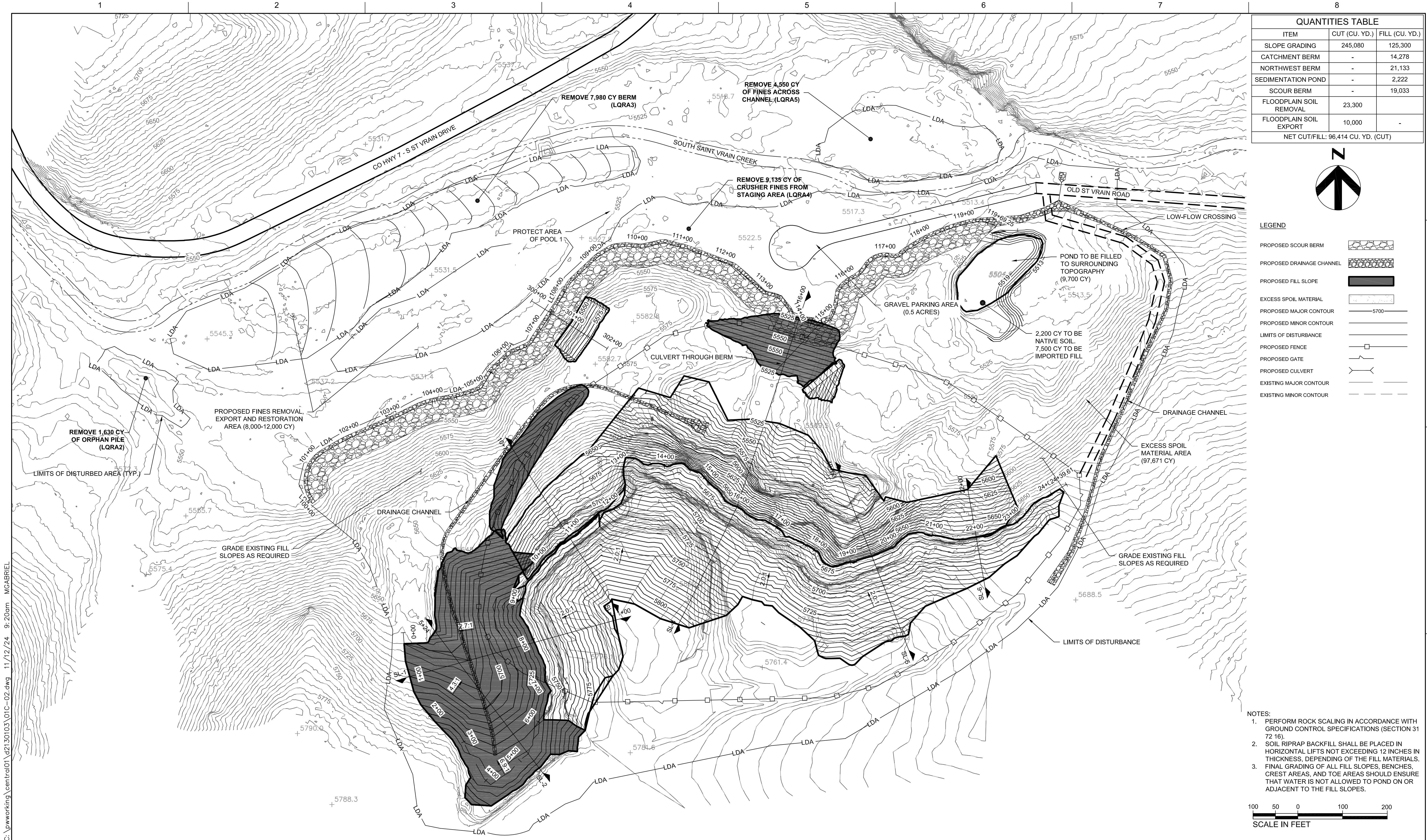
PROJECT MANAGER	TRAVIS SNYDER
DRAWN BY	R. NALLEY
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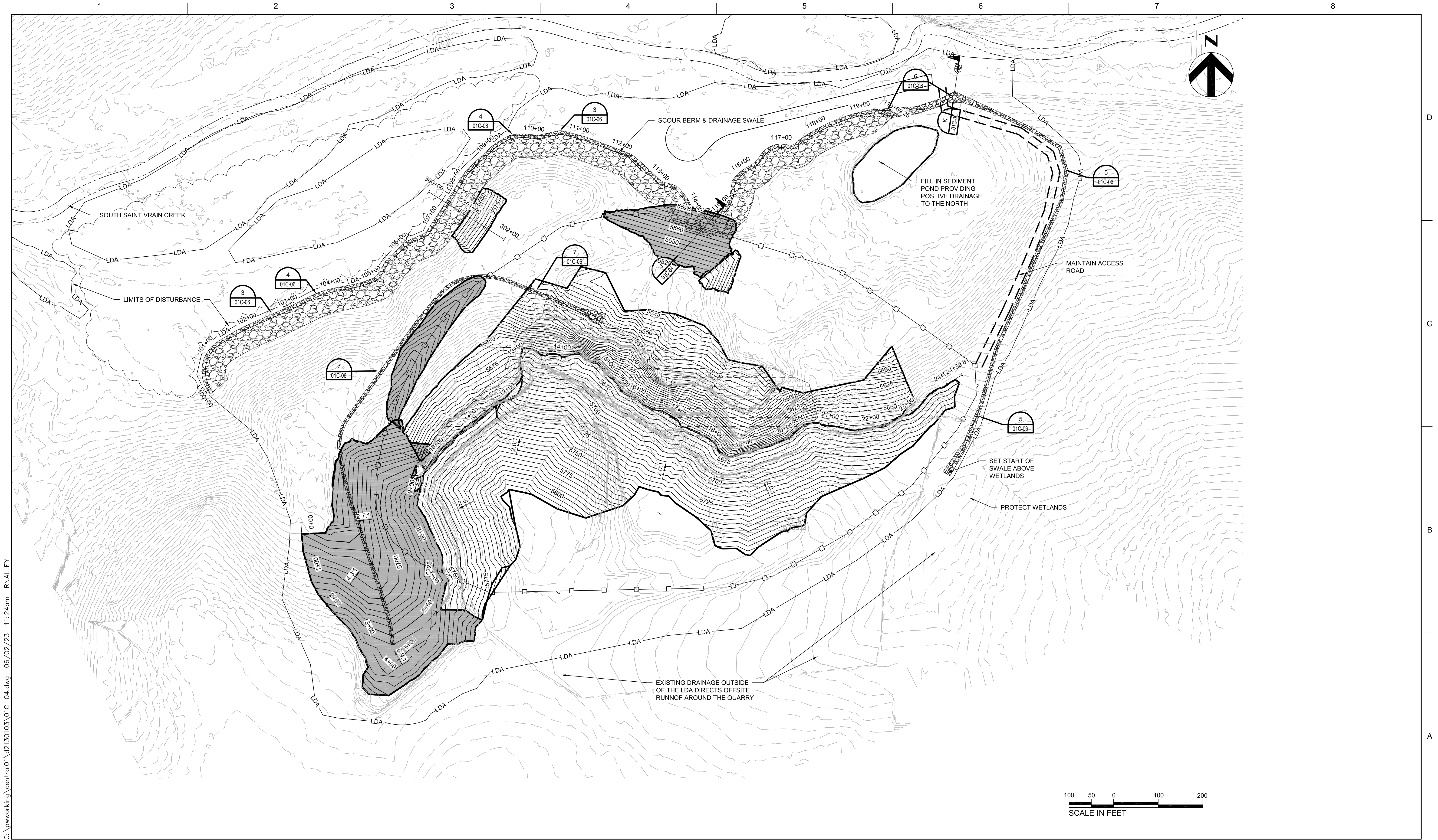
**AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT**

CIVIL SITE ACCESS & STAGING AREAS

FILENAME	01C-01.dwg
SCALE	AS NOTED

SHEET
01C-01





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ISSUE	DATE	DESCRIPTION
REV 5	06/02/2023	FINAL DESIGN
REV 4	04/05/2023	FINAL DESIGN
REV 3	02/04/2022	FINAL DESIGN
REV 2	11/04/2022	FINAL DESIGN
REV 1	06/29/2021	FINAL DESIGN
100%	4/16/2021	FINAL DESIGN
90%	2/12/2021	PRE-FINAL DESIGN
60%	01/22/2021	INTERMEDIATE DESIGN PACKAGE

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PROJECT NUMBER	10092468

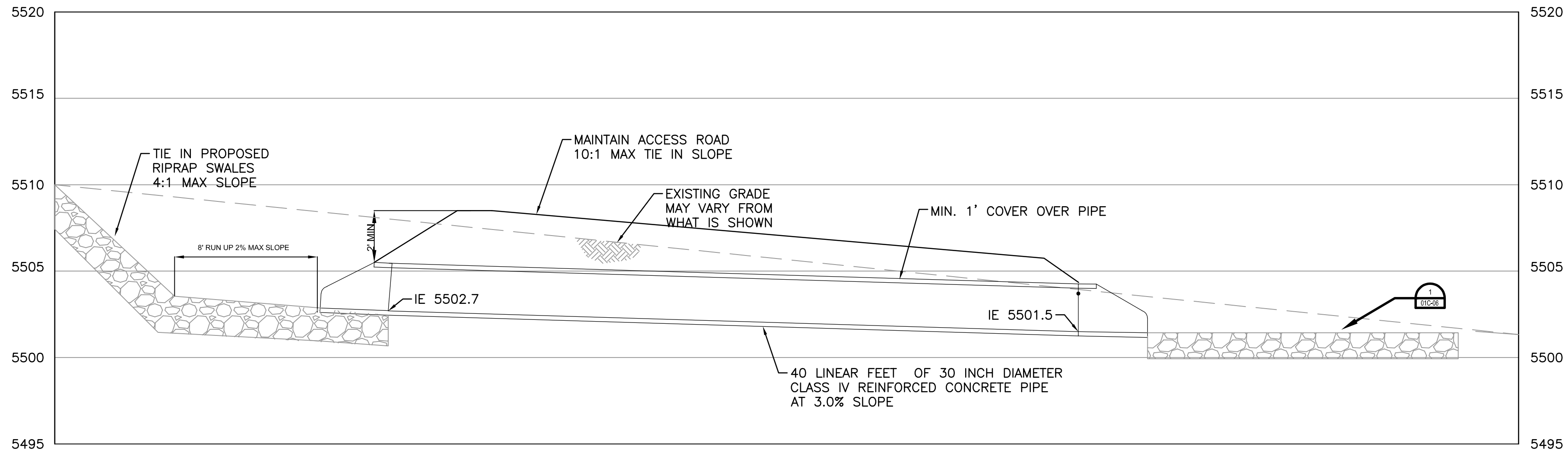
AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT

CIVIL
DRAINAGE & EROSION
CONTROL PLAN

FILENAME | 01C-04.dwg
SCALE | AS NOTED

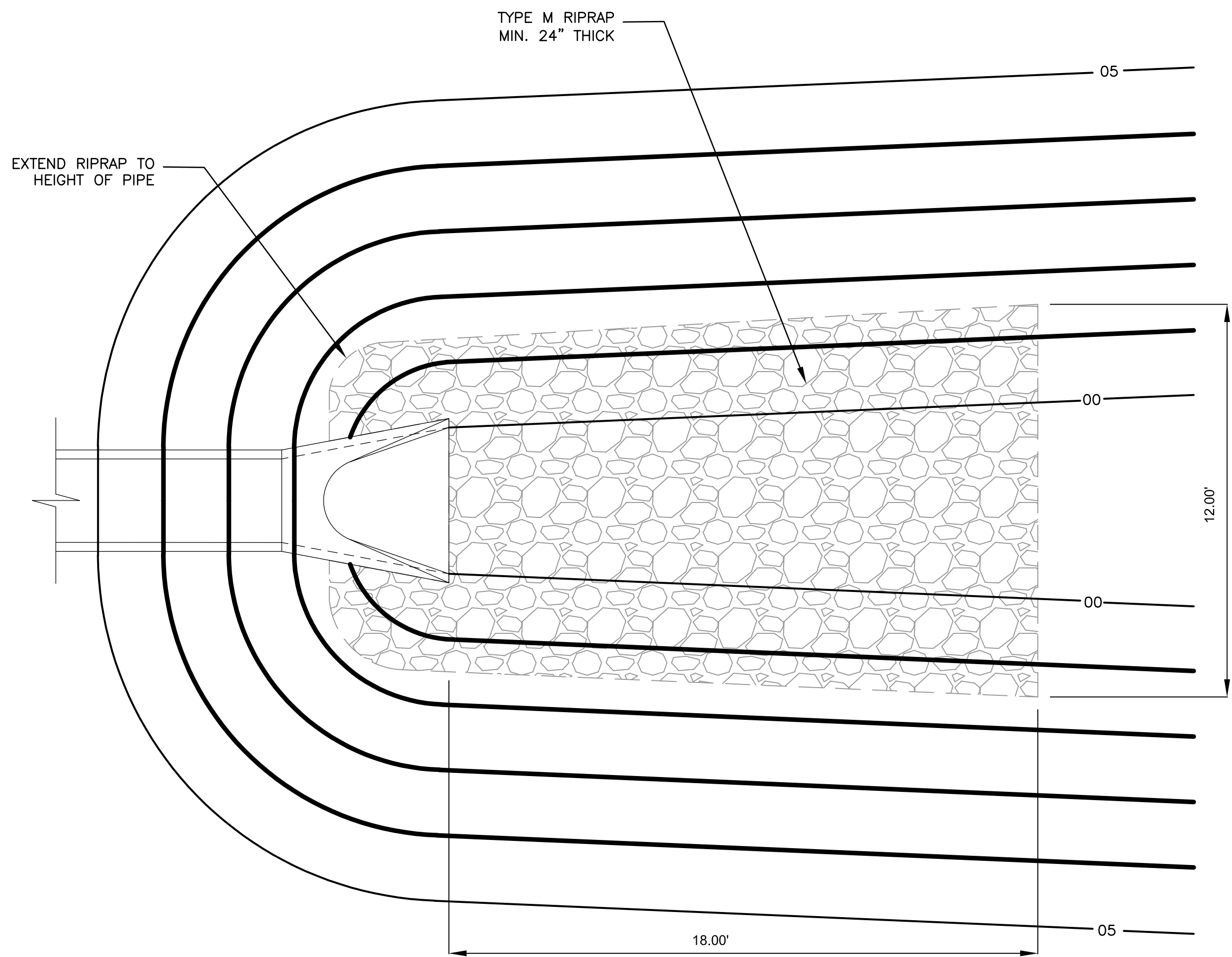
SHEET
01C-04

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SECTION STORM DRAIN PIPE

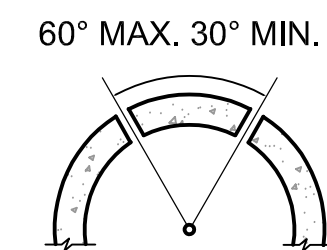
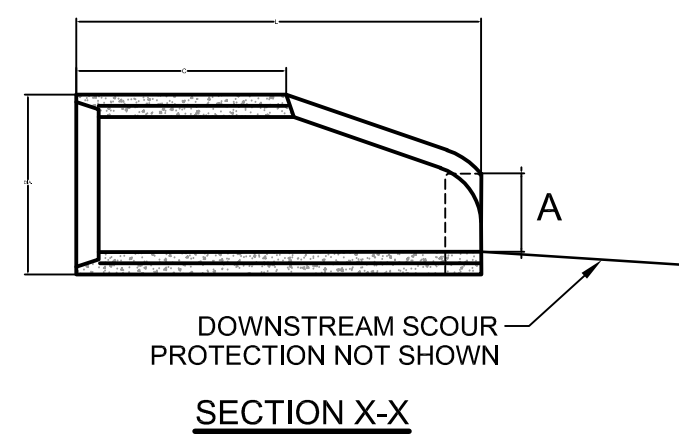
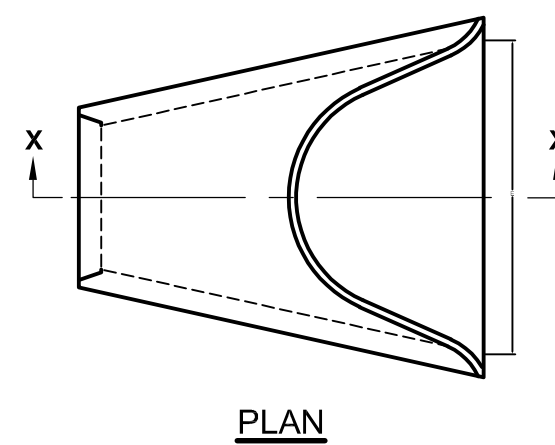
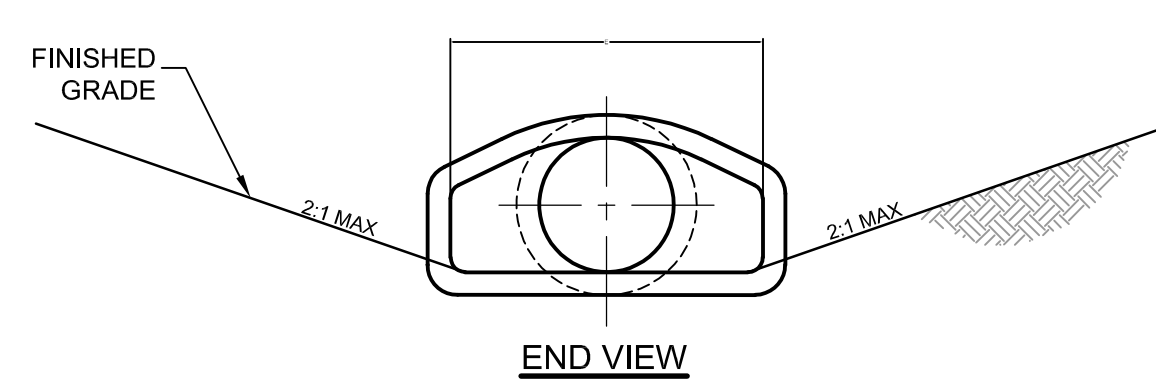
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01C-05



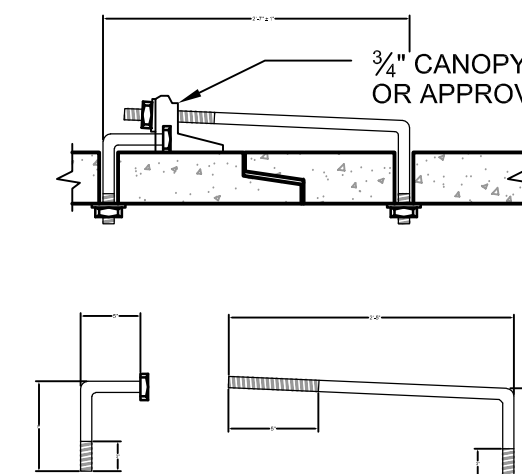
DETAIL

1
01C-04/06

STORM DRAIN OUTFALL PROTECTION



3/4" GALVANIZED ANCHOR BOLTS, NUTS, AND WASHERS, MILD STEEL, ASTM A 307. ROD LUG SHALL BE GALVANIZED OR APPROVED EQUAL.



PIPE DIAMETER	F
INCHES	
18 - 30	5
36 - 42	6
48 - 60	7
72 - 84	9

PIPE I.D.	DIMENSIONS			
	A	C	L	E
18	10	48	78	36
24	12	48	78	48
30	14	36	96	60
36	18	36	96	72
42	24	36	96	78
48	28	24	96	84
54	USE HEADWALL / WINGWALL			
60				
72				

GENERAL NOTES:

- DIMENSIONS OF END SECTIONS MAY VARY SLIGHTLY FROM THOSE SHOWN ON THE TABLES DUE TO DIFFERENT MANUFACTURERS' CONFIGURATIONS.
- CONCRETE END SECTIONS SHALL BE FURNISHED WITH TONGUE OR GROOVE AS REQUIRED.
- THE INSIDE CONFIGURATION AND THE JOINT OF CONCRETE END SECTION AND PIPE SHALL MATCH.
- CONCRETE PIPE JOINT FASTENERS SHALL BE INSTALLED SO THAT A MINIMUM OF 20 LINEAR FEET OF THE OUTLET END OF THE PIPE ARE MECHANICALLY LOCKED TOGETHER. END SECTION LENGTHS WHEN USED, SHALL BE INCLUDED IN THE 20 LF REQUIREMENT.
- PLASTIC END SECTIONS SHALL NOT BE USED.

DETAIL

2
01C-04/06

REINFORCED CONCRETE PIPE END SECTION
NOT TO SCALE



ISSUE	DATE	DESCRIPTION
REV 3	06/02/2023	FINAL DESIGN
REV 2	07/26/2021	FINAL DESIGN
REV 1	06/29/2021	FINAL DESIGN
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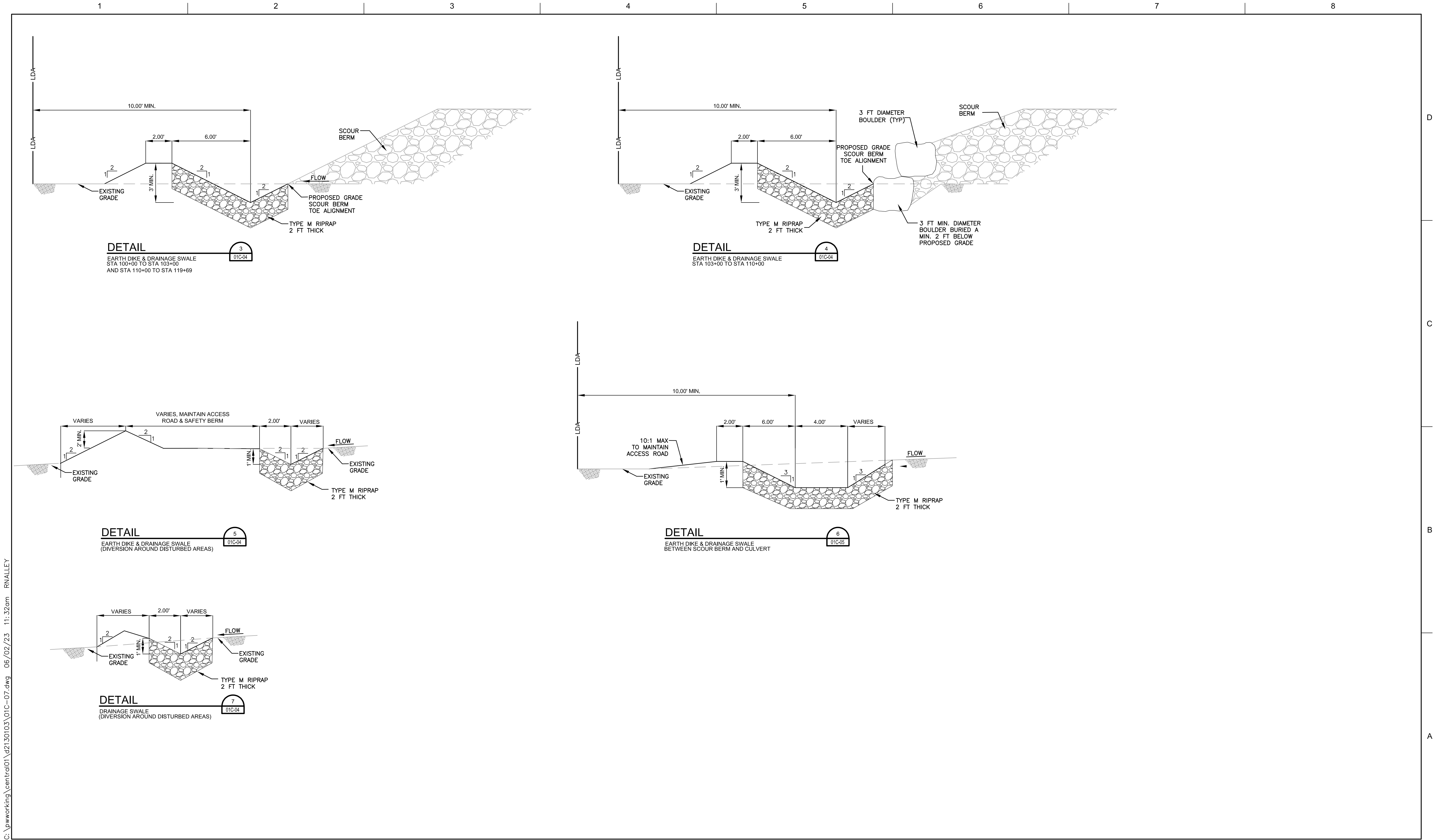
AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT

CIVIL
DRAINAGE & EROSION
CONTROL DETAILS

FILENAME | 01C-06.dwg
SCALE | 1"=3'

SHEET
01C-06

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ISSUE	DATE	DESCRIPTION
REV 5	06/02/2023	FINAL DESIGN
REV 4	04/05/2023	FINAL DESIGN
REV 3	02/04/2022	FINAL DESIGN
REV 2	11/04/2022	FINAL DESIGN
REV 1	06/29/2021	FINAL DESIGN
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AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT

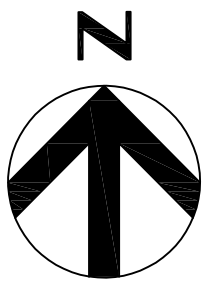
CIVIL
DRAINAGE & EROSION
CONTROL DETAILS

FILENAME | 01C-07.dwg
SCALE | NTS

SHEET
01C-07



SLOPE	RECLAMATION DESCRIPTION	SYMBOL	PLAN AREA
VARIES	MULCH	<div>• • •</div>	24.3 ACRES
2.0H:1V	HYDRO MULCH	<div>XXXXXX</div>	11.5 ACRES
VARIES	TYPE M RIPRAP	<div>XXXXXX</div>	1.0 ACRES



- NOTES:
1. PERMIT APPLICANT: AGGREGATE INDUSTRIES-WCR, INC.
 2. PERMIT BOUNDARY FROM CURRENT PERMIT EXHIBIT F DATED SEPT. 2002.
 3. AREAS OF RE-VEGETATION AS SHOWN ARE APPROXIMATE. RE-VEGETATION AREAS WILL BE BASED OFF OF FINAL TOPOGRAPHIC SURVEY.

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ISSUE	DATE	DESCRIPTION
REV 5	06/02/2023	FINAL DESIGN
REV 4	03/30/2023	FINAL DESIGN
REV 3	02/04/2022	FINAL DESIGN
REV 2	11/04/2022	FINAL DESIGN
REV 1	06/29/2021	FINAL DESIGN
100%	4/16/2021	FINAL DESIGN
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AGGREGATE INDUSTRIES
LYONS QUARRY
RECLAMATION PROJECT

CIVIL
OVERALL RECLAMATION
PLAN & DETAILS

FILENAME 01C-08.dwg
SCALE AS NOTED

SHEET
01C-08