

REQUEST FOR PROPOSAL

Project Name: Master's Transportation- EARTHWORK
(Awarded to Miller Stauch)

Project Location: MO HWY 150 & Prospect, KCMO

Contact info: Send questions and bids to bids@millerstauch.com
Or call 913.307-1711 (Nick Schweiss office)

Bids due via email by: **Monday, Sept 11th, 2023 by 12 noon sent to bids@millerstauch.com**

Project Description: New +/- 260,000 sqft production building, +/- 32,000 sqft office building and a +/- 32,000 sqft service building.

Estimated Start date: Site clearing and earthwork expected to begin in mid-September

Tax Status: *TAX EXEMPT (include taxes as an add only- not in base pricing)*

Considerations: Please review all construction drawings, schedules during bid

This phase will bid only earthwork package to subgrade, LVC, and wall package; includes temporary road install as shown on exhibit. No paving base rock at this time. See alternate below.

Base bid walls with modular block wall; alternate below.

Project being administered by Port KC; MBE 14.7% / WBE 14.4% goals

*** **MBE/WBE** participation must be achieved and noted on proposal and will be incorporated into the contract documents.

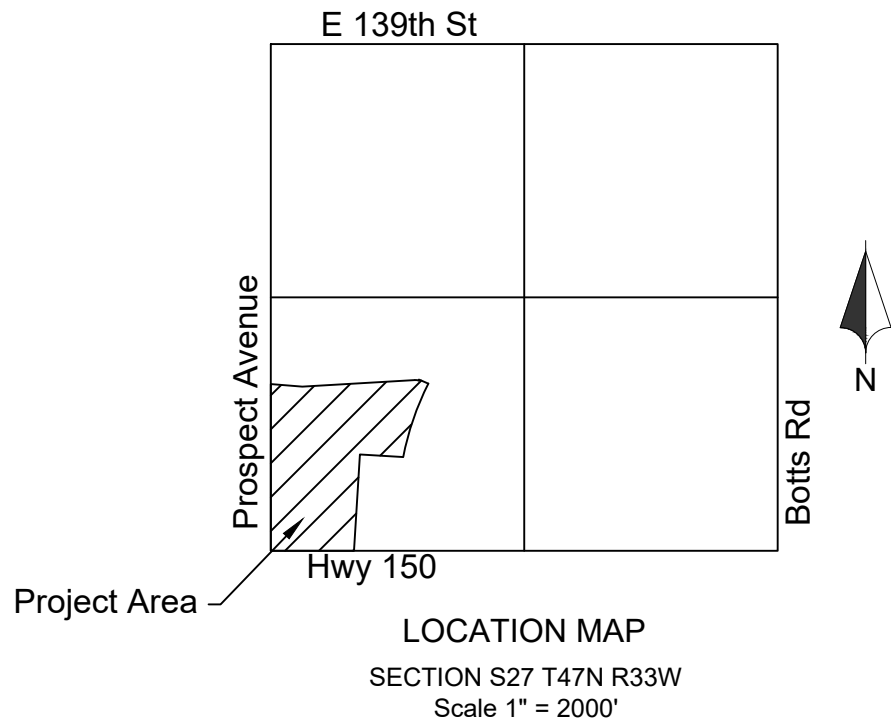
Alternates: Please read below alternates carefully and price accordingly

- 1) Eliminate septic pond in NE corner; replace with parking subgrades
- 2) Walls bid with redi-rock block or equal
- 3) Price all "HD asphalt" paving areas as concrete; 7" concrete with 4" ab3
- 4) VOLUNTARY ALTERNATES (V.E.) WELCOMED

Bid items Included:

- Land Disturbance plans by RIC dated 7/28/2023
- Grading plan with walls by RIC dated 7/28/2023
- Exhibits indicating subgrade depths, temp roads and fence/walls
- Project Schedule dated 8.16.23
- Alpha Omega geotechnical report- dated 6/20/2023

framinz
Aug 14, 2023-11:34am
Z:\RIC Design\2022\22-0173\DWG\Sheets\LDP\22-0173 LDP-TITLE-01.dwg



Site Benchmarks:

CP#1: Set $\frac{1}{2}$ " Iron Bar w/ Control Cap
N. 981121.34
E. 2770490.44
Elev. = 1052.30

CP #100: Set $\frac{1}{2}$ " Iron Bar w/ Control Cap
N. 980754.13
E. 2770556.54
Elev. = 1049.72

CP #102: Set $\frac{1}{2}$ " Iron Bar w/ Control Cap
N. 981596.05
E. 2770524.05
Elev. = 1050.17

Legal Description:

ALL THAT PART OF THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 47, RANGE 33, IN KANSAS CITY, JACKSON COUNTY, MISSOURI, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE N 3° 31' 19" E ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER 1000.00; THENCE S 86° 29' 53" E 40.00' TO THE EAST RIGHT-OF-WAY LINE OF PROSPECT AVE. AND THE POINT OF BEGINNING OF THIS TRACT; THENCE N 3° 31' 13" E ALONG SAID RIGHT-OF-WAY LINE 667.82' TO THE SOUTHWEST CORNER OF TRACT 1 "THOMPSON INDUSTRIAL COMPLEX", A SUBDIVISION IN SAID CITY, COUNTY AND STATE; THENCE S 86° 28' 47" E ALONG THE SOUTH LINE OF SAID TRACT 1, 160.15' TO AN ANGLE POINT IN SAID SOUTH LINE; THENCE N 86° 40' 13" E, THIS AND THE NEXT FOUR LEGS WILL BE ALONG SAID SOUTH LINE, A DISTANCE OF 1179.77'; THENCE EASTERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 115.00' A DISTANCE OF 39.19'; THENCE N 16° 11' 53" E 10.00'; THENCE EASTERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 125.00' AND AN INITIAL TANGENT BEARING OF S 73° 48' 07" E, A DISTANCE OF 15.57'; THENCE 88° 39' 47" E 90.29' TO THE WESTERLY RIGHT-OF-WAY LINE OF THE KANSAS CITY SOUTHERN RAILWAY COMPANY; THEN SOUTHERLY ALONG SAID RIGHT-OF-WAY LINE, AND ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 2914.93' AND AN INITIAL TANGENT BEARING OF S 26° 53' 40" W, A DISTANCE OF 811.88; THENCE LEAVING SAID RIGHT-OF-WAY LINE N 86° 29' 53" W 1251.74' TO THE POINT OF BEGINNING;

ALL OF THE ABOVE BEING ALSO SHOWN AS LOT 1 ON THE LOT SPLIT SURVEY RECORDED FEBRUARY 20, 2020 IN BOOK 16, PAGE 5 AS DOCUMENT NO. 2020E0014849.

FLOOD PLAIN NOTE

According to the FEMA Flood Insurance Rate Map Number 29095C0502G, & 29095C0510G, revised January 20, 2017, portions of this tract lie in:
OTHER AREAS, ZONE X, defined as areas determined to be outside the 0.2% annual chance floodplain.

The information concerning locations of underground utilities shown hereon which are not visible from the surface, has been taken from the records and field locations of the various utility companies and has not been field verified by this company. These locations are not to be construed as accurate or exact.

Utility Contact List

Natural Gas

Spire Energy
3420 Broadway Blvd
Kansas City, Mo. 64111

Water

Kansas City Water Services
4800 E 63rd Street
Kansas City, Mo. 64120
816-513-830

Electric

Evergy
16215 W 108th Ter
Lenexa, Ks. 66219

UTILITIES:

The information concerning locations of underground utilities shown hereon which are not visible from the surface, has been taken from the records and field locations of the various utility companies and has not been field verified by this company. These locations are not to be construed as accurate or exact.

	Existing Section Line		Proposed Right-of-Way
	Existing Right-of-Way Line		Proposed Property Line
	Existing Lot Line		Proposed Lot Line
	Existing Easement Line		Proposed Easement
	Existing Curb & Gutter		Proposed Curb & Gutter
	Existing Sidewalk		Proposed Sidewalk
	Existing Storm Sewer		Proposed Storm Sewer
	Existing Storm Structure		Proposed Storm Structure
	Existing Waterline		Proposed Fire Hydrant
	Existing Gas Main		Proposed Waterline
	Existing Sanitary Sewer		Proposed Sanitary Sewer
	Existing Sanitary Manhole		Proposed Sanitary Manhole
	Existing Contour Major		Proposed Contour Major
	Existing Contour Minor		Proposed Contour Minor
			Future Curb and Gutter
	Utility Easement		
	Sanitary Sewer Easement		Access Easement
	Drainage Easement		Temporary Easement

Prepared For:
KCMB Partners LLC
14655 Prospect Ave
Kansas City, Mo. 64147
Shelby@greenlightcorporation.com

Consultant/Applicant:
Renaissance Infrastructure Consulting, LLC
Contact Person: Dustin Burton, P.E.
400 E. 17th Street
Kansas City, Mo. 64108
dburton@ric-consult.com
913.333.3873

Master's Transportation

Kansas City, Jackson County, Missouri
Section 24, Township 47N, Range 33W

Clay County APN: xxxxxxxxxxxxxx

FILE NO. xxxxxxxx

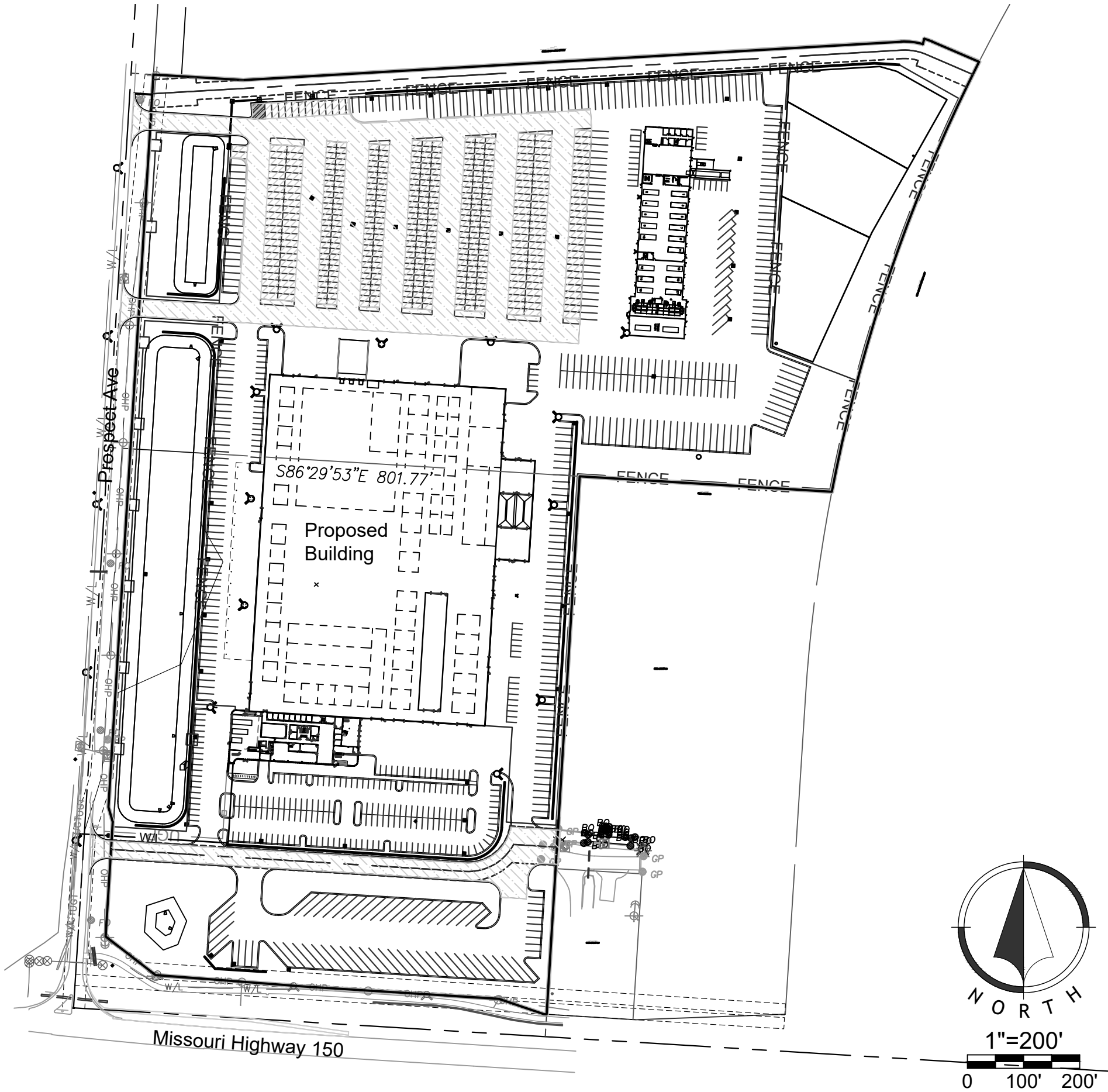
PROJECT NO. xxxxxxxxxxxx

Owner: Masters Transportation Qozb LLC

Plat Area = 1,726,397 Sq. Ft., or 39.63 Acres

Disturbed Area = 1,687,608 Sq. Ft. = 38.74 Acres

Land Disturbance Plans



LEGEND

Sheet List Table	
Sheet Number	Sheet Title
C01	Title Sheets
C02	General Notes
C03	Existing Conditions
C04	General Layout
C05	Grading Plan
C06	Drainage Area Map
C07	Sediment Basin Plan
C08	Sediment Basin Details
C09	Sediment Basin Details (2)
C10	Erosion Control Plan I
C12	Erosion Control Plan II
C13	Erosion Control Plan III
C14	Erosion Control Details

"I have reviewed these plans and understand what is proposed. The work will be accomplished in ONE contract with a work breakdown as follows:

1. EROSION CONTROL
- 2.
- 3.

"Any incidental work not specifically permitted (i.e. final cleanup) will be completed by the permit holder."

Accepted By:

Date

"I certify that this project has been designed, and these plans prepared, to meet or exceed the design criteria of Kansas City, Missouri in current usage, except as indicated below:

Exceptions:

- 1.
- 2.
- 3.

The engineer shall make the following "as built" certification:

"I have been retained to provide as-built drawings for this project"

AS-BUILT NOTE:

The Policy of the "Plan Preparation Criteria and Procedure" and Policy Document No. 880544 "As-Built Drawings for Sewer Built by Permit" stipulate the following regarding "as-built" drawings:

1. Drawings are to be provided within thirty (30) days after the date the "Request for As-Built" letter is issued by the City to the Developer.
2. Drawings must be accepted by the City before any service connections will be allowed.
3. Drawings are part of the permit obligations making them the responsibility of the permittee.
4. The cost of preparing "as-built" drawings shall be included in the performance bond.

(engr sign)



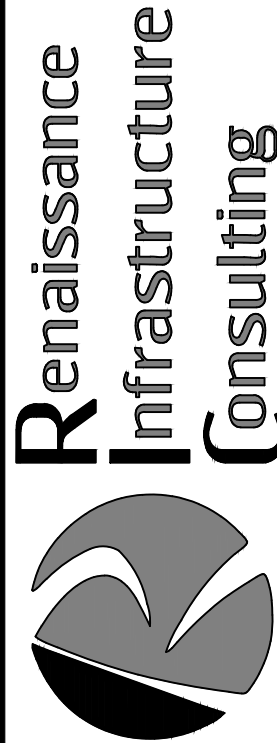
Know what's below.
Call before you dig.

Land Disturbance Plans

22-0173

Master's Transportation
Kansas City, Jackson County, Missouri

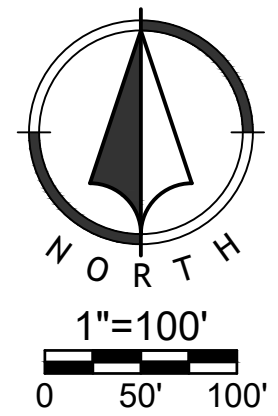
Title Sheets



MO Certificate of Authority: E-2010033630

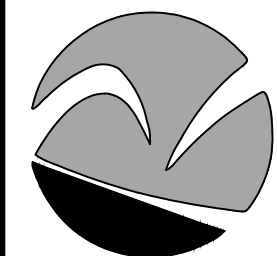
Sheet
C01

framinaz
Aug 14, 2023 11:38am
Z:\RIC Design\2022\22-0173\DWG\Sheets\LDP\22-0173 LDP-EX-COND-01.dwg



NO.	DATE	REVISION
1	07/26/2023	Original Submittal

DRAWN BY: TCD
CHECKED BY: DB



**Renaissance
Infrastructure
Consulting**

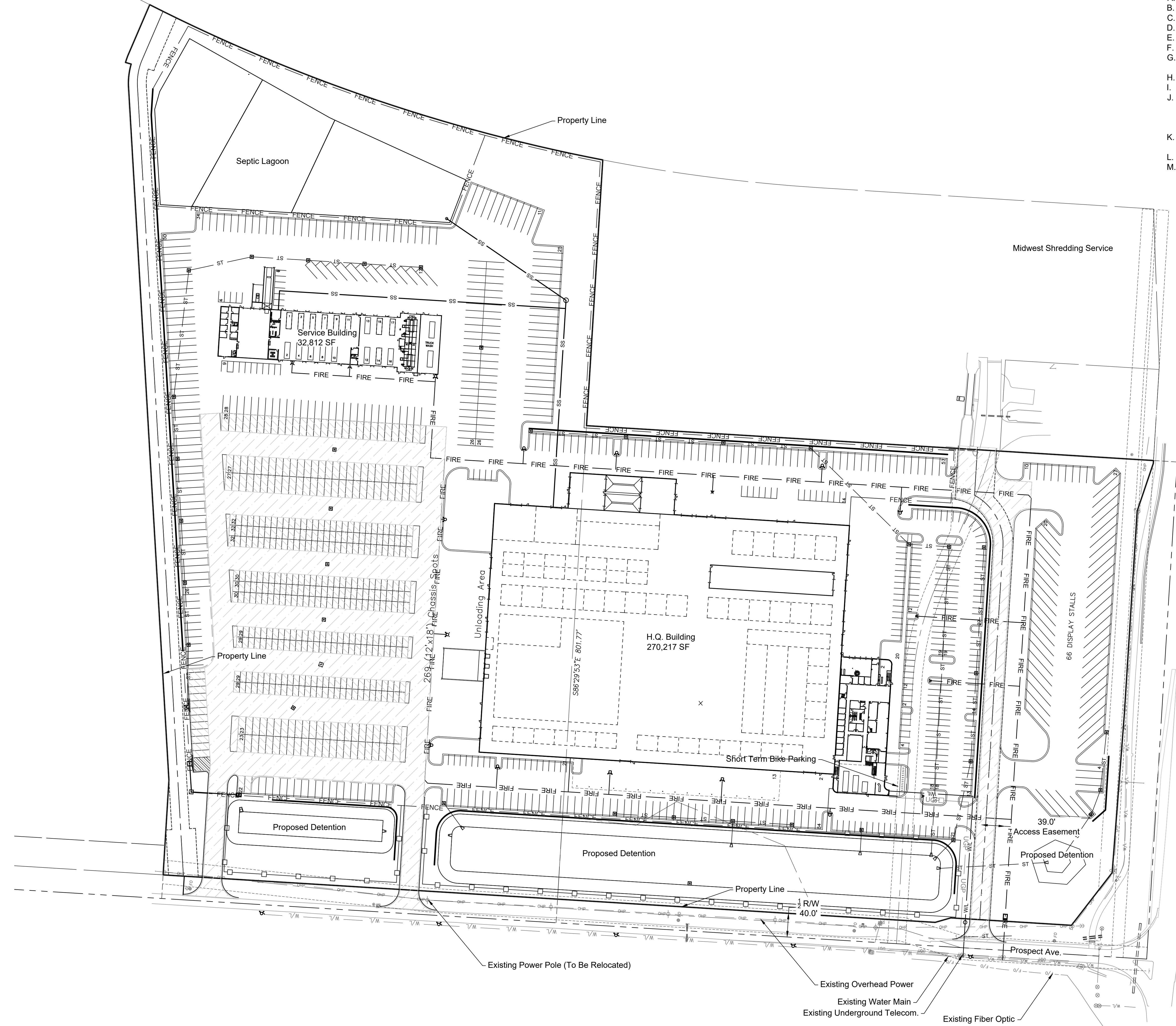
400 E 17th STREET
KANSAS CITY, MISSOURI 64108
B16-800-0950
WWW.RIC-CONSULT.COM

MO Certificate of Authority: E-2010033630

Sheet
C03

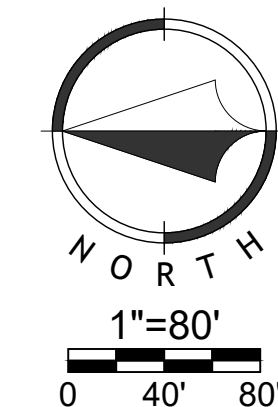
Existing Conditions

Land Disturbance Plans
22-0173
Master's Transportation
Kansas City, Jackson County, Missouri

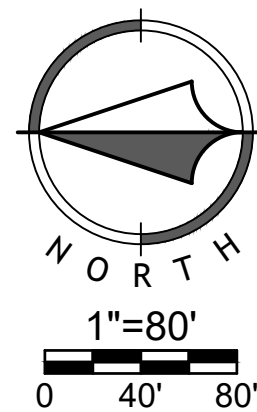
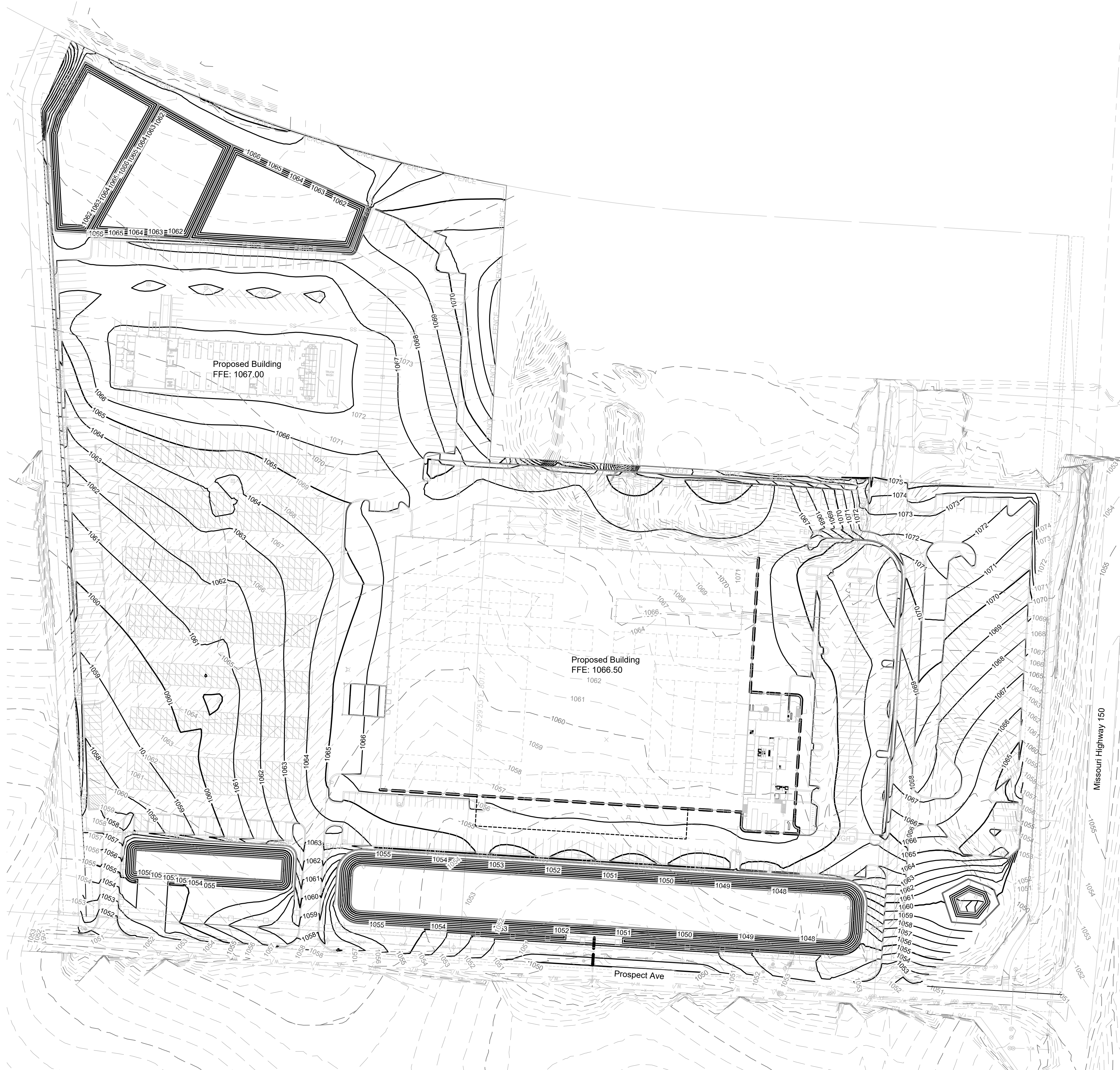


Site Data Table:

- A. Zoning: M1-5
B. Total Lot Area: 1,854,580 SF = 42.57 Acres +/-
C. Right of Way Land Area: 128,183 SF = 2.94 Acres +/-
D. Net Land Area: 1,726,397 SF = 39.63 Acres +/-
E. Proposed Use: Manufacturing
F. Height above Grade at Building: HQ - 45' Service - 35'
G. Gross Floor Area: 270,217SF
Total Floor Area: 270,217 SF
H. Building Coverage and Floor Area Ratio: 1.0
I. Residential Gross and Net Density: N/A
J. Commercial Parking
Required - 67 (1 per 4 Employees, 265 Employee Largest Shift)
Provided - 338 (HQ - 319; Service Car Parking - 19)
(Equipment Stalls (12'x30' - 437; 10'x18' - 269; 12'x50' 142)
K. Short Term Bike Parking: 34
Long Term Bike Parking: Provided Inside Facility
L. Applications for Amendments to Development: N/A
M. Applications for Amendments to Development: N/A

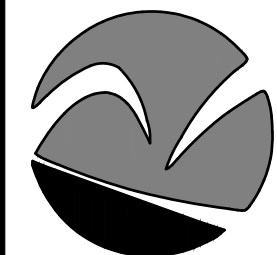


framinet
Aug 14, 2023 11:38am
Z:\RIC Design\2022\22-0173\DWG\Sheets\LP\22-0173 LDP-GRADING-01.dwg



1	07/28/2023	Original Submittal
NO.	DATE	REVISION

DRAWN BY: TCD
CHECKED BY: DB



Renaissance
Infrastructure
Consulting

400 E 17th Street
Kansas City, Missouri 64108
www.ri-consult.com
MO Certificate of Authority: E-2010033630

Sheet
C05

Grading Plan

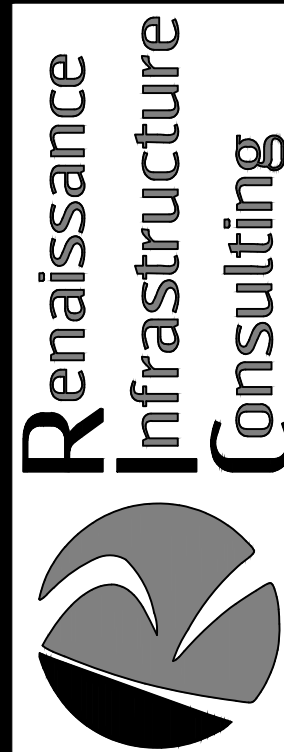
Land Disturbance Plans
22-0173
Master's Transportation
Kansas City, Jackson County, Missouri

framinz
Aug 14, 2023 11:38am
Z:\RIC Design\2022\22-0173\DWG\Sheets\LD\22-0173 LDP-DRAINAGE-01.dwg

Undetained_01
Area: 2.82AC
CN: 77
50% Storm: 5.59cfs
10% Storm: 11.17cfs
4% Storm: 15.07 cfs

PRO_01
Area: 32.10AC
CN: 95
50% Storm: 26.59 cfs
10% Storm: 58.19 cfs
4% Storm: 71.09 cfs

Undetained_02
Area: 2.82AC
CN: 78
50% Storm: 9.37 cfs
10% Storm: 18.50 cfs
4% Storm: 24.89 cfs



400 E 17TH STREET
KANSAS CITY, MISSOURI 64108
B16-800.0950
WWW.RIC-CONSULT.COM

MO Certificate of Authority: E-2010033630

Sheet
C06

Drainage Area Map

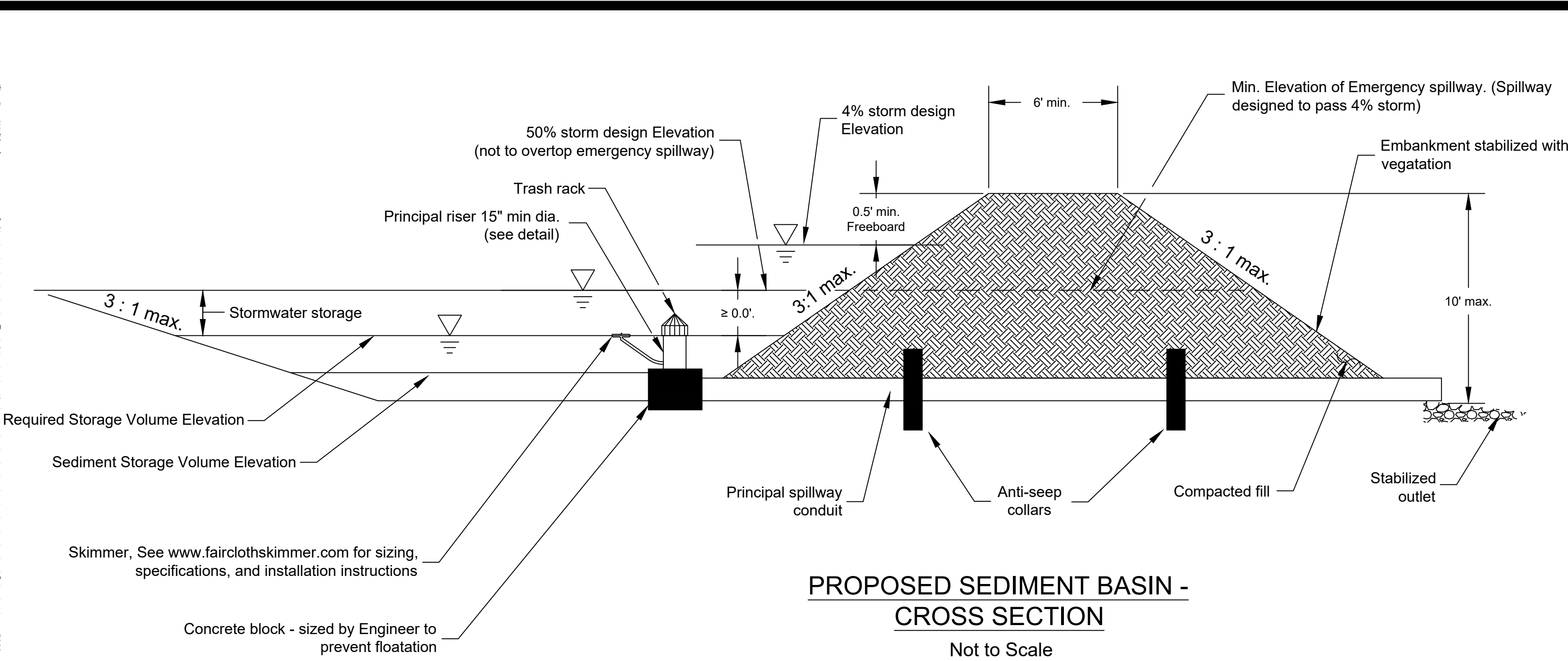
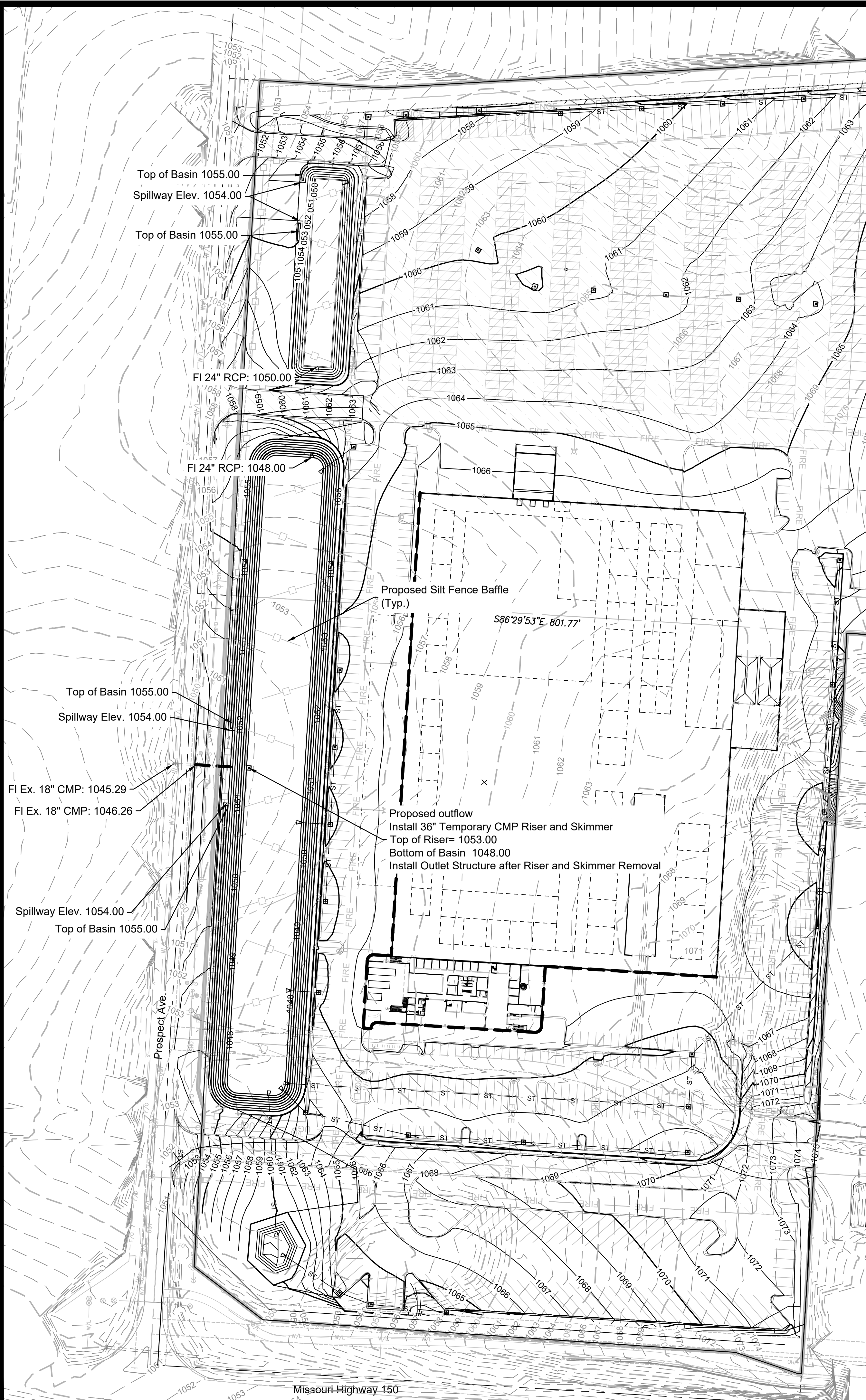
Land Disturbance Plans

22-0173
Master's Transportation
Kansas City, Jackson County, Missouri

NO.	DATE	REVISION
1	07/28/2023	Original Submittal

DRAWN BY
TCD

CHECKED BY
DB



Sediment Basin Summary			
Item Description	Quantity	Units	Notes
<i>Site Data</i>			
Drainage Area to Basin	32.01	acres	
50% (2 yr.) Design Flow	26.28	cfs	
10% (10 yr.) Design Flow	62.62	cfs	
<i>Pond Data</i>			
Required Storage Volume	115,560	cf	3600 cf/ac. Required
Provided Storage Volume	568,210	cf	Storage Volume at Top of Riser
Bottom Elevation of Pond	1048.00	ft	
Sediment Cleanout Elevation	1048.00	ft	
Top of Riser Elevation	1053.00	ft	Top of Dry Storage Volume @ Req. Storage Vol
2 YR Water Surface Elevation	1050.70	ft	
Top of 10yr Water Surface Elev -	1051.75	ft	
Emergency Spillway Elevation	1054	ft	Min. at or above 2-YR Elev
Top of Dam Elevation	1055.00		0.5 ft. Min. above Spillway Design Depth
<i>Principal Spillway Data:</i>			
Riser Pipe Diameter	36	in	
Barrel Pipe Diameter	36	in	
Concrete Base Size for Riser Pipe	1.5	cy	
<i>Skimmer Data</i>			
Skimmer Size	12	in	

Sediment Basin Notes:

Design Requirements:

1. The plan and profiles are schematic in nature. Construction Plans must provide specific site construction arrangements.
Details given in these drawings shall be used unless alternate details are shown in plan and approved by the City.

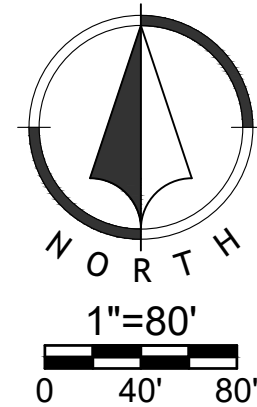
2. If the length to width ratio is less than 2, interior sediment fence baffles shall be provided to reduce short-circuiting of the basin.

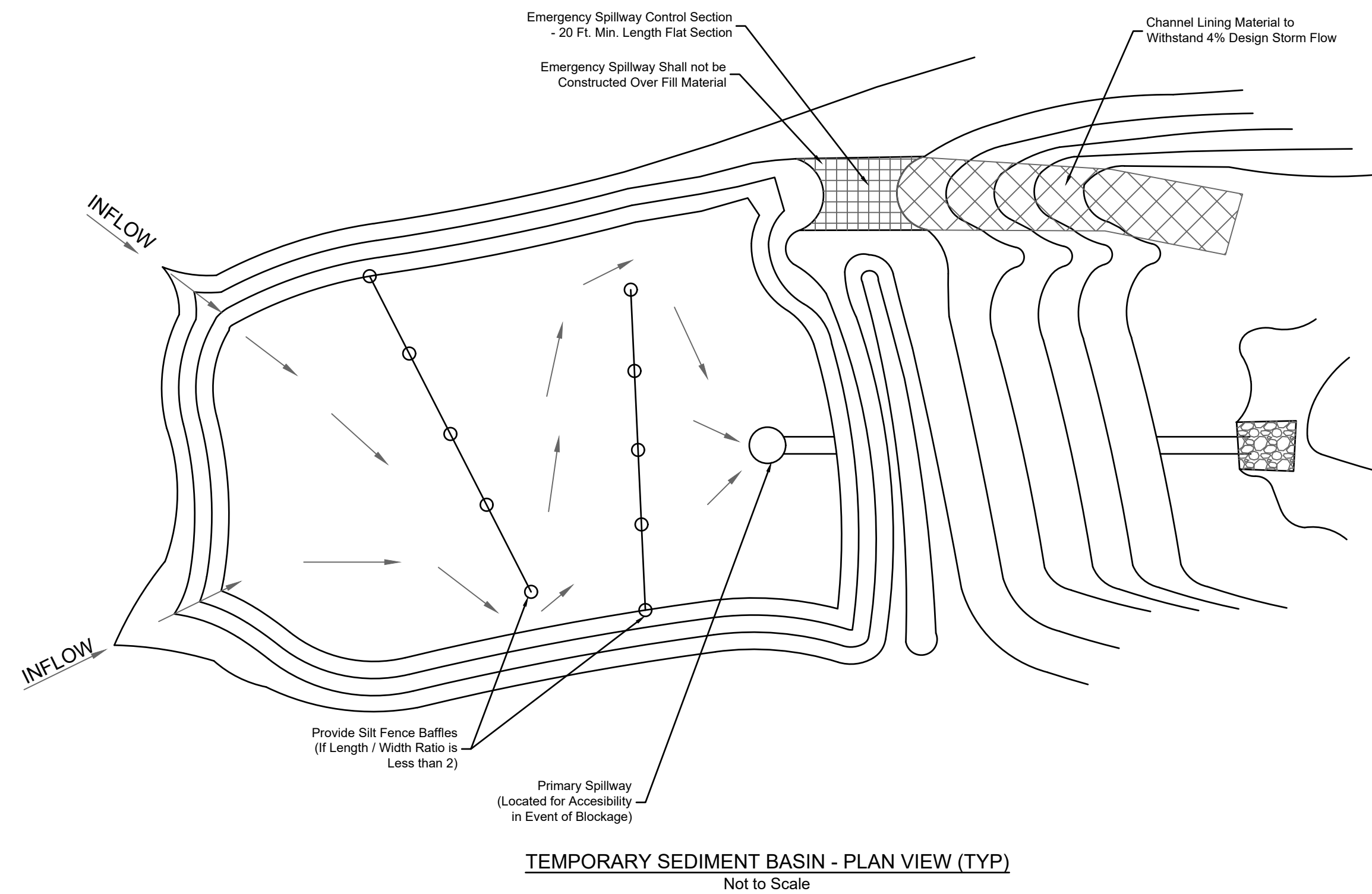
3. Emergency spillways to be located in a non-fill location when feasible and shall be lined with a non-erodible material such as Riprap or Turf Reinforcement Mat.

Maintenance/Safety Requirements:

4. The Permit Holder shall clean out deposited sediment when sediment storage has been reduced by 20% of the original design storage volume. The cleanout level shall be indicated on the riser pipe as shown on the drawings.

5. Sediment basins shall be fenced using construction fence or other material for safety reasons and include warning signs, reading: "Danger - KEEP OUT".



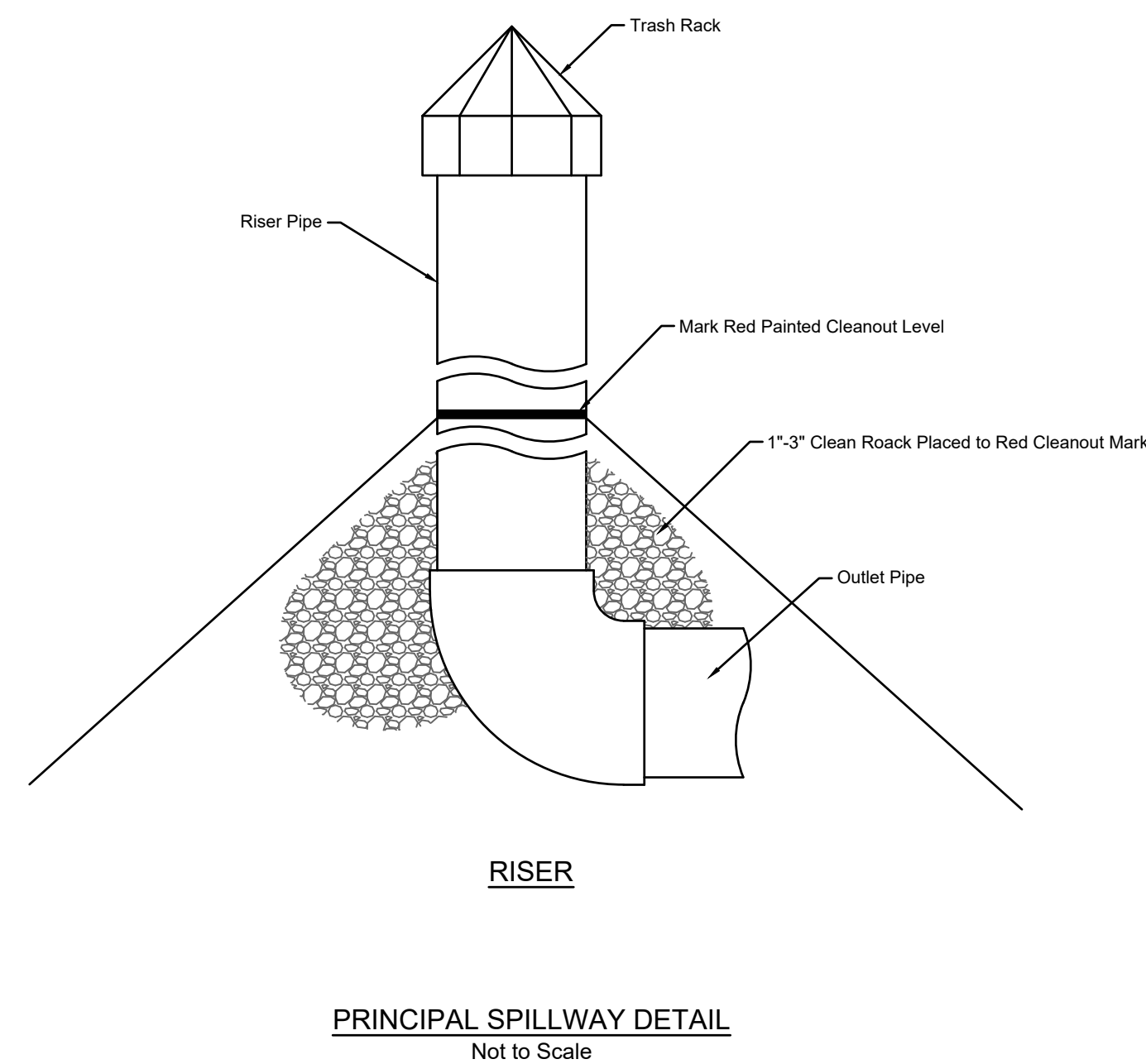
Sediment Basin Notes:

Design Requirements:

1. The plan and profiles are schematic in nature. Construction Plans must provide specific site construction arrangements. Details given in these drawings shall be used unless alternate details are shown in plan and approved by the City.
2. If the length to width ratio is less than 2, interior sediment fence baffles shall be provided to reduce short-circuiting of the basin.
3. Emergency spillways to be located in a non-fill location when feasible and shall be lined with a non-erodible material such as Riprap or Turf Reinforcement Mat.

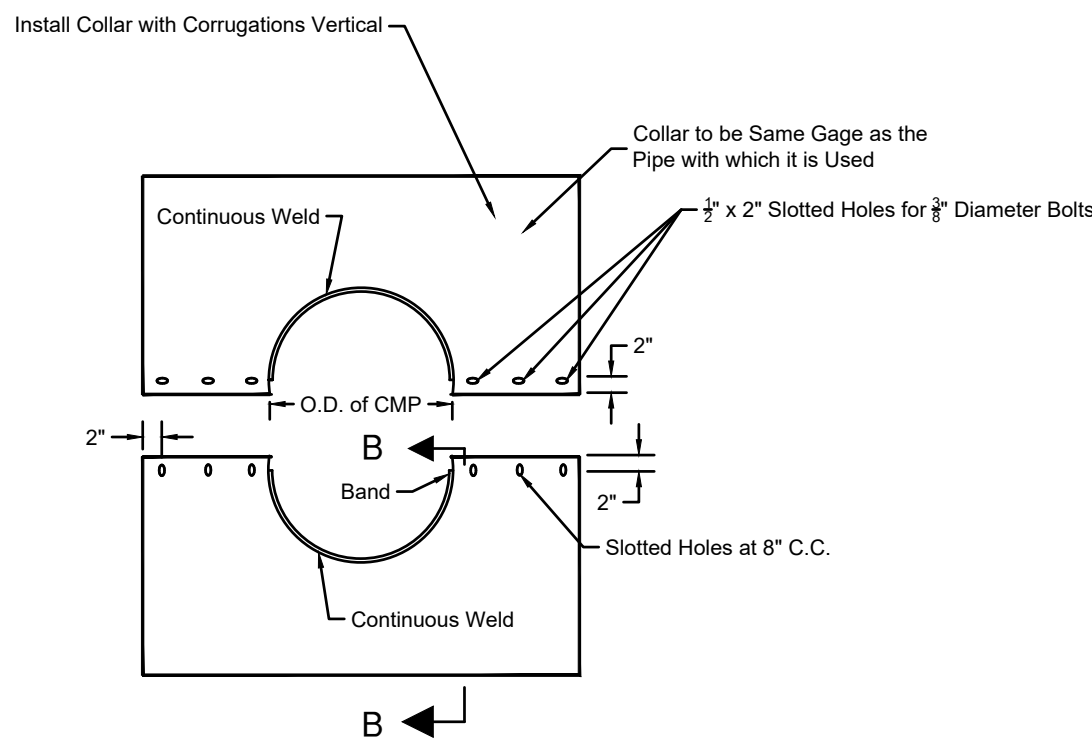
Maintenance/Safety Requirements:

4. The Permit Holder shall clean out deposited sediment when sediment storage has been reduced by 20% of the original design storage volume. The cleanout level shall be indicated on the riser pipe as shown on the drawings.
5. Sediment basins shall be fenced using construction fence or other material for safety reasons and include warning signs, reading: "Danger - KEEP OUT".

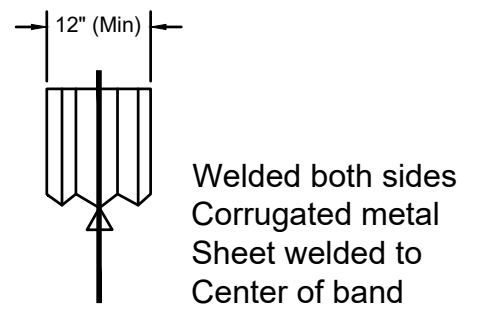
[illegible]

NOTES

1. All materials to be in accordance with construction material specifications.
2. When specified on the plans, coating of collars shall be in accordance with construction material specifications.
3. Unassembled collars shall be marked by painting or tagging to identify matching pairs.
4. The lap between the two half sections and between the pipe and connecting band shall be caulked with asphalt mastic at the time of installation.
5. Each collar shall be furnished with two (2) ½" diameter rods with standard tank lugs for connecting the collars to the pipe.

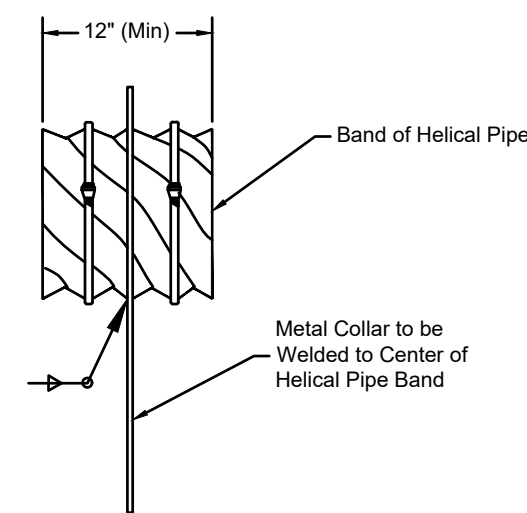


CORRUGATED METAL ANTI-SEEPAGE COLLAR DETAIL
Not to Scale

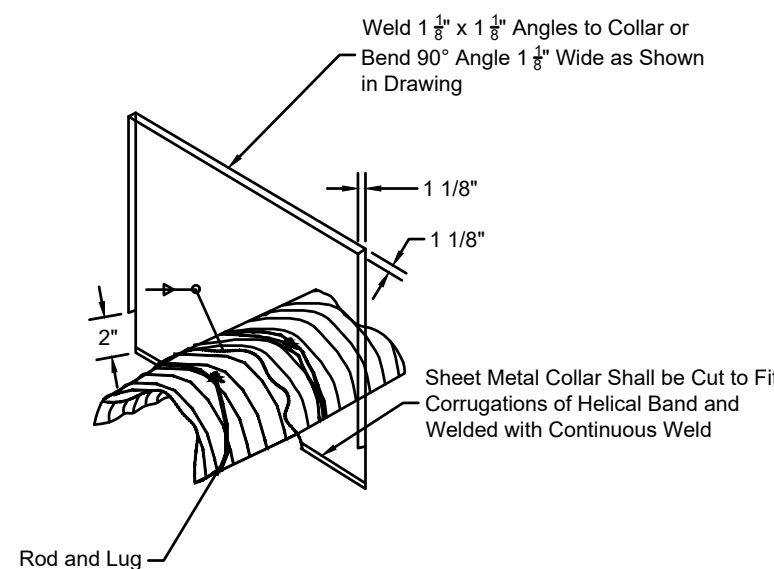


SECTION B-B

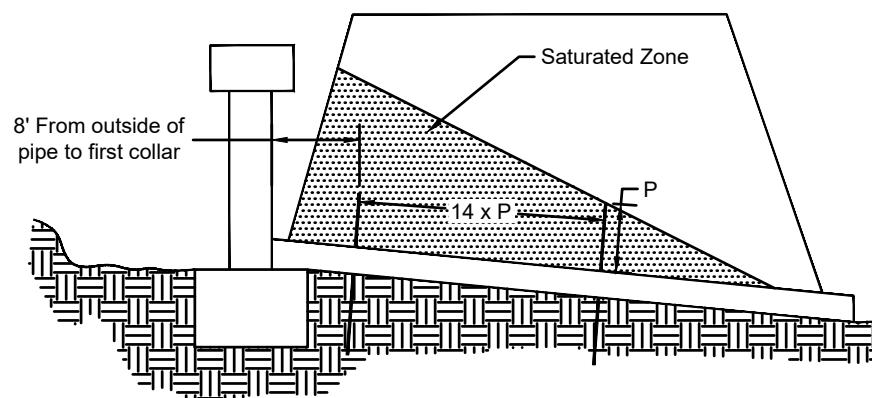
Size and spacing of slotted
Openings shall be the same as
shown for CM collar Use Rods and
lugs to clamp bands securely to
pipe.



PARTIAL ELEVATION



ISOMETRIC VIEW

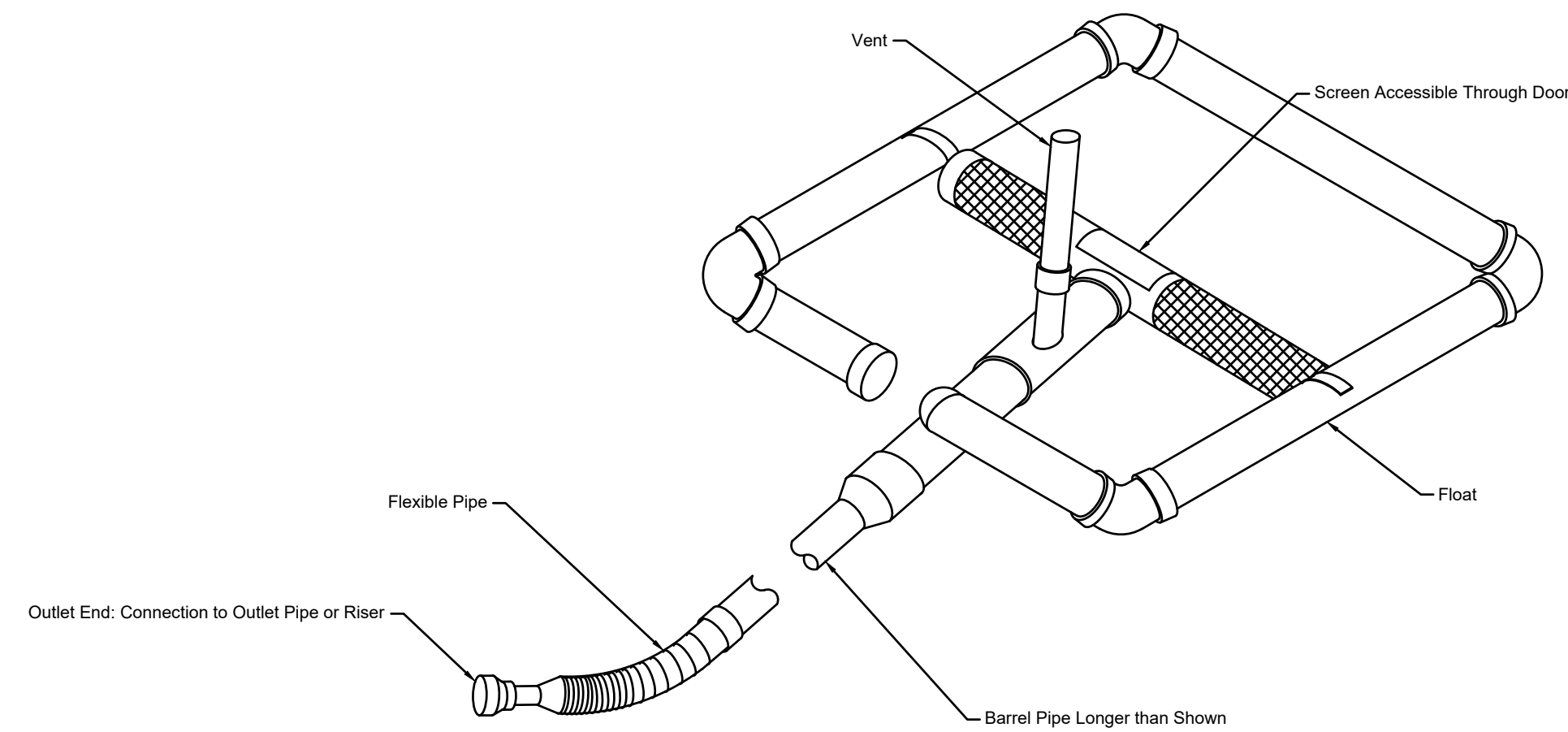


NOTES:
Connections between the
anti-seepage collar and the barrel
must be watertight

ANTI-SEEPAGE COLLAR

NOTE:

For bands and collars, modification of The
details shown may be used Providing
equal water tightness is Maintained and
detailed drawings are Submitted and
approved by the engineer Prior to delivery.



NOTE:

Skimmers shall be Faircloth Skimmers or equal.
See www.fairclothskimmer.com for detail. Install
skimmer per manufacturers's recommendations.

SKIMMER DETAIL

NOTES

TWO OTHER TYPES OF ANTI-SEEP COLLARS ARE:

1. Corrugated metal, similar to above except shop welded to a 4 ft. section of the pipe and connected to the pipe with connecting bands.
2. Concrete, 6 inches thick formed around the pipe with #3 rebar spaced 15"

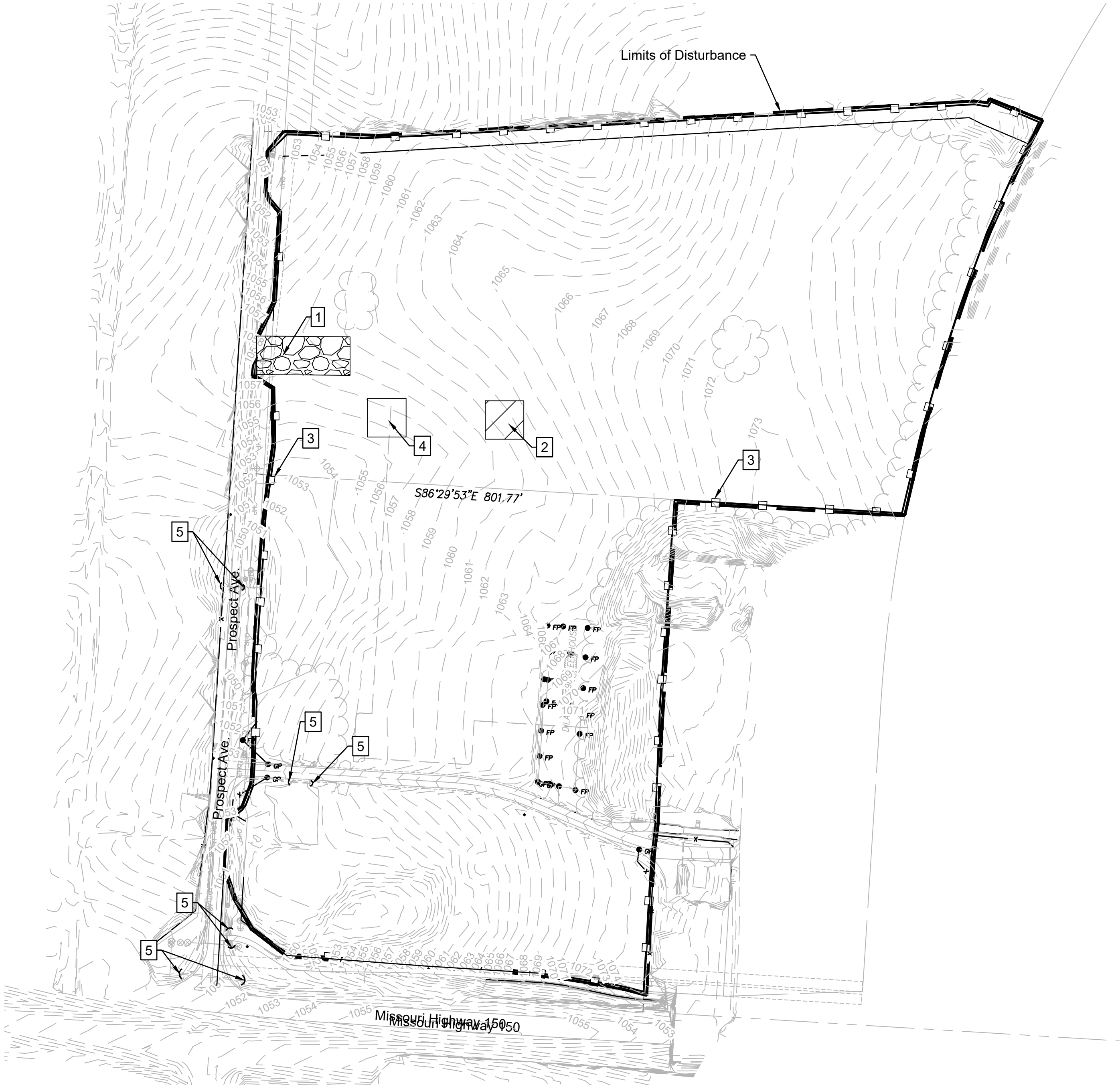
Sediment Basin Details (2)

NO.	DATE	REVISION
1	07/26/2023	Original Submittal

DRAWN BY	CHECKED BY
TCD	DB

framinz
Aug 14, 2023 11:38am
Z:\RIC Design\2022\22-0173\DWG\Sheets\LDP\22-0173 LDP-EGP-01.dwg

	PROJECT STAGE	PLAN REFERENCE NUMBER	BMP DESCRIPTION	REMOVE AFTER PHASE	NOTES
Phase I	A-Prior to Construction	1	Construction Entrance	II	Install Construction Entrance
		2	Staging Area	II	Install Staging Area
		3	Perimeter Silt Fence	III	Install Silt Fence
		4	Concrete Washout	II	Install Concrete Washout as Shown on Plans Prior to Pouring Any Concrete
Phase II	B - During Land Disturbance & Storm Infrastructure Installation	5	Inlet Protection	III	Install Filter Bags to trap sediment and debris during construction
Phase III	C-Final Stabilization	6	Establish Perennial Vegetation	N/A	Redistribute Topsoil and Seed and Mulch all Disturbed Area. Stabilization Complete when 100% of Disturbed Area is Established with Perennial Vegetation with a Density of 70%



GENERAL NOTES:

- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF KANSAS CITY, MISSOURI. THESE STANDARDS CAN BE FOUND AT THE FOLLOWING ADDRESS. <http://www.kcmo.org/codes.nsf/web/LDDstandards?open document>
- THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINE PRESENT. THE DEVELOPER SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE", AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES.
- THE DEVELOPER SHALL BE RESPONSIBLE TO OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
- ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNERS REPRESENTATIVE.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC STREETS IN THE VICINITY OF THE JOB SITE CLEAN AND FREE OF ROCKS, SOIL AND DEBRIS.
- THE DEVELOPER SHALL BE RESPONSIBLE TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION. EROSION CONTROL PROCEDURES SHALL BE IN PLACE PRIOR TO BEGINNING GRADING ACTIVITIES.
- THE DEVELOPER SHALL NOT CHANGE OR DEViate FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND CITY.
- ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY, DEVELOPER AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES. DEVELOPER SHALL PROVIDE ALL WORK AND MATERIALS AS SHOWN ON PLANS.
- THE DEVELOPER SHALL GRADE AREAS TO PROVIDE POSITIVE DRAINAGE.
- THE DEVELOPER SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN ONE VERTICAL IN 3 FEET HORIZONTAL.
- THE EROSION CONTROL PLAN HAS BEEN PLACED IN THE CITY'S FILE FOR THE PROJECT. THE PLAN APPEARS TO FULFILL THE MISSOURI DEPARTMENT OF NATURAL RESOURCES TECHNICAL CRITERIA AND THE CRITERIA FOR EROSION CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS ARISE OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER UNTIL SUCH TIME AS IS PROPERLY COMPLETED. MODIFIED OR VOIDED.
- NO GRADING WORK WITHIN PUBLIC RIGHT-OF-WAY IS ALLOWED UNDER THE LAND DISTURBANCE PERMIT.
- THE DEVELOPER SHALL SEED ALL DISTURBED AREAS IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE CEASED.

NOTE:

- ALL SLOPES GREATER THAN 4:1 WILL BE EVALUATED FOR USE OF MATS/BLANKETS
- NO WETLANDS PRESENT ON THIS PROPERTY
Install "J" Hooks in Silt Fence Every 100 LF.

Site Inspections are required at a minimum of once per fourteen days and within 24 hours of any 0.5" rainfall or greater during construction activities. A report of each inspection shall be made, signed and dated within 24 hours of the inspection. Observations related to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, and observations listing areas where construction operations have permanently or temporarily stopped shall all be included in the inspection report.

All disturbed areas to be stabilized within 14 days of final disturbance.

TROUBLESHOOTING

- CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
 - INADEQUATE RUNOFF CONTROL TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROAD-INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES
 - SMALL STONE, THIN PAD, OR ABSENCE OF GEOTEXTILE FABRIC RESULTS IN RUTS AND MUDDY CONDITIONS AS STONE IS PRESSED INTO SOIL - INCREASE STONE SIZE OR PAD THICKNESS OR ADD GEOTEXTILE FABRIC.
 - PAD TOO SHORT FOR HEAVY EQUIPMENT TRAFFIC - EXTEND PAD BEYOND THE MINIMUM 50 FOOT LENGTH AS NECESSARY

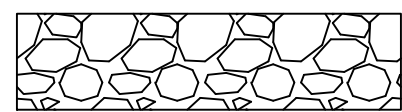
INSPECTION AND MAINTENANCE

- INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER 1/2" OR GREATER STORM EVENTS
- RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE AND RUNOFF CONTROL
- TOPLESS WITH CLEAN 2-3" STONE AS NEEDED
- IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY REMOVE ALL TEMPORARY ROAD MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED.

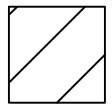
TEMPORARY CONSTRUCTION ENTRANCE NOTES

- INSTALLATION
 - AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - IF SLOPE TOWARDS THE PUBLIC ROAD EXCEEDS 2% CONSTRUCT A 6 TO 8" HIGH RIDGE WITH 3H:1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES ALONG PUBLIC ROADS. PLACE STONE TO DIMENSIONS AND GRADE AS SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
 - DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE.
 - IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.

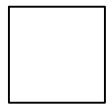
EROSION CONTROL LEGEND



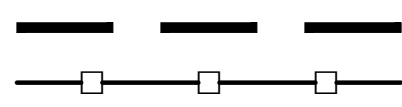
Stabilized Construction
Entrance



Staging Area



Concrete Washout



Limits of Disturbance



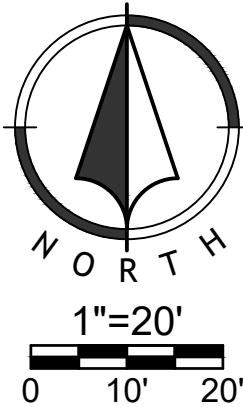
Perimeter Silt Fence



Inlet Protection

Grading Legend

- Existing Major Contour
- - - Existing Minor Contour
- Proposed Major Contour
- Proposed Minor Contour

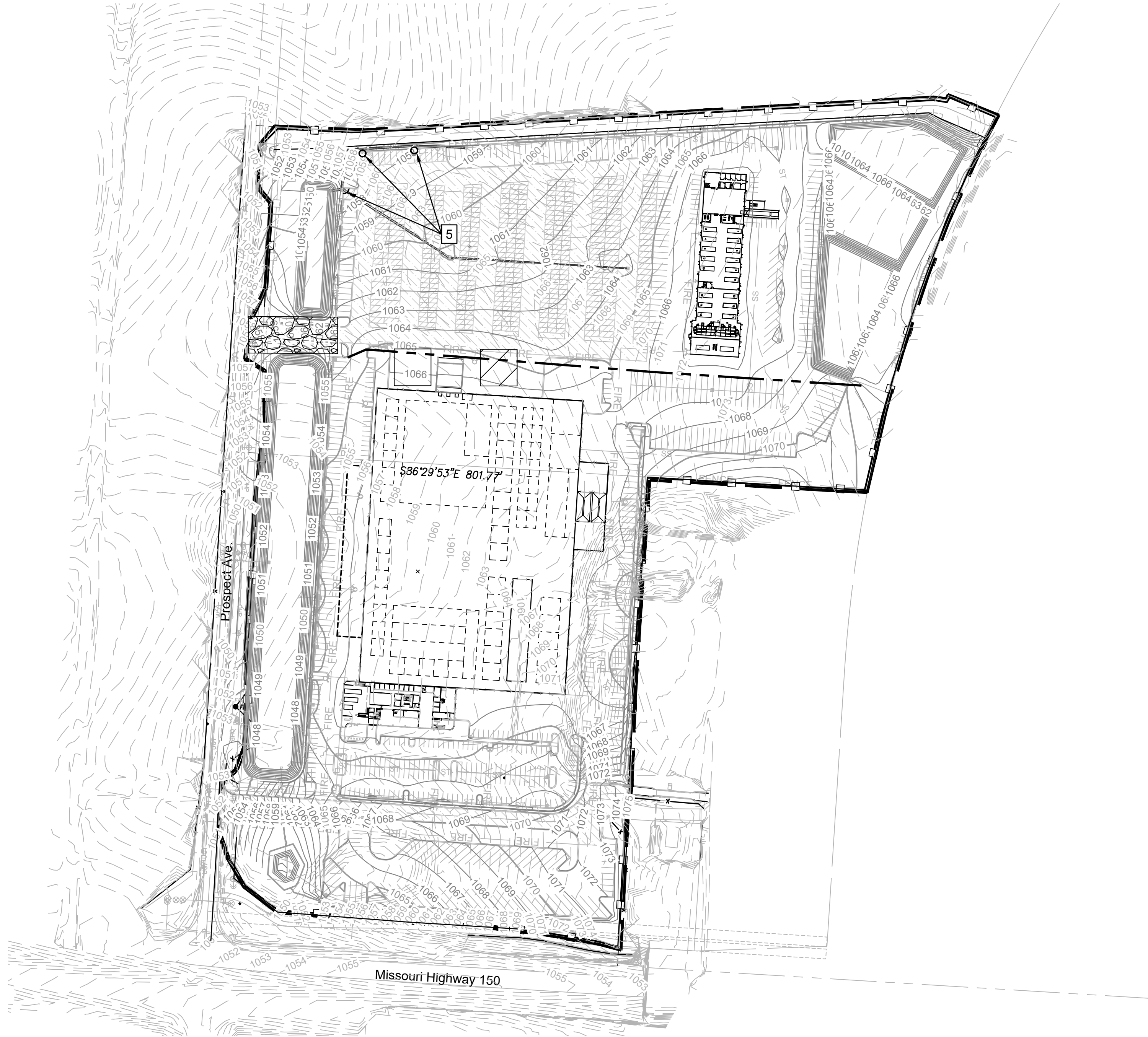


1	07/26/2023	Original Submittal
NO.	DATE	REVISION

DRAWN BY	CHECKED BY
TCD	DB

framinz
Aug 14, 2023-11:38am
Z:\RIC Design\2022\22-0173\DWG\Sheets\LDP\22-0173 LDP-EGP-01.dwg

	PROJECT STAGE	PLAN REFERENCE NUMBER	BMP DESCRIPTION	REMOVE AFTER PHASE	NOTES
Phase I	A-Prior to Construction	1	Construction Entrance	II	Install Construction Entrance
		2	Staging Area	II	Install Staging Area
		3	Perimeter Silt Fence	III	Install Silt Fence
		4	Concrete Washout	II	Install Concrete Washout as Shown on Plans Prior to Pouring Any Concrete
Phase II	B - During Land Disturbance & Storm Infrastructure Installation	5	Inlet Protection	III	Install Filter Bags to trap sediment and debris during construction
Phase III	C-Final Stabilization	6	Establish Perennial Vegetation	N/A	Redistribute Topsoil and Seed and Mulch all Disturbed Area. Stabilization Complete when 100% of Disturbed Area is Established with Perennial Vegetation with a Density of 70%



GENERAL NOTES:

- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF KANSAS CITY, MISSOURI. THESE STANDARDS CAN BE FOUND AT THE FOLLOWING ADDRESS. <http://www.kcmo.org/codes.nsf/web/LDDstandards?open> document
- THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINE PRESENT. THE DEVELOPER SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE", AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES.
- THE DEVELOPER SHALL BE RESPONSIBLE TO OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
- ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNERS REPRESENTATIVE.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC STREETS IN THE VICINITY OF THE JOB SITE CLEAN AND FREE OF ROCKS, SOIL AND DEBRIS.
- THE DEVELOPER SHALL BE RESPONSIBLE TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION, EROSION CONTROL PROCEDURES SHALL BE IN PLACE PRIOR TO BEGINNING GRADING ACTIVITIES.
- THE DEVELOPER SHALL NOT CHANGE OR DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND CITY.
- ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY, DEVELOPER AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES. DEVELOPER SHALL PROVIDE ALL WORK AND MATERIALS AS SHOWN ON PLANS.
- THE DEVELOPER SHALL GRADE AREAS TO PROVIDE POSITIVE DRAINAGE.
- THE DEVELOPER SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN ONE VERTICAL IN 3 FEET HORIZONTAL.
- THE EROSION CONTROL PLAN HAS BEEN PLACED IN THE CITY'S FILE FOR THE PROJECT. THE PLAN APPEARS TO FULFILL THE MISSOURI DEPARTMENT OF NATURAL RESOURCES TECHNICAL CRITERIA AND THE CRITERIA FOR EROSION CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS ARISE OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER UNTIL SUCH TIME AS IS PROPERLY COMPLETED. MODIFIED OR VOIDED.
- NO GRADING WORK WITHIN PUBLIC RIGHT-OF-WAY IS ALLOWED UNDER THE LAND DISTURBANCE PERMIT.
- THE DEVELOPER SHALL SEED ALL DISTURBED AREAS IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE CEASED.

NOTE:

- ALL SLOPES GREATER THAN 4:1 WILL BE EVALUATED FOR USE OF MATS/BLANKETS
- NO WETLANDS PRESENT ON THIS PROPERTY
Install "J" Hooks in Silt Fence Every 100 LF.

Site Inspections are required at a minimum of once per fourteen days and within 24 hours of any 0.5" rainfall or greater during construction activities. A report of each inspection shall be made, signed and dated within 24 hours of the inspection. Observations related to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, and observations listing areas where construction operations have permanently or temporarily stopped shall all be included in the inspection report.

All disturbed areas to be stabilized within 14 days of final disturbance.

TROUBLESHOOTING

- CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
 - INADEQUATE RUNOFF CONTROL TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROAD-INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES
 - SMALL STONE, THIN PAD, OR ABSENCE OF GEOTEXTILE FABRIC RESULTS IN RUTS AND MUDDY CONDITIONS AS STONE IS PRESSED INTO SOIL - INCREASE STONE SIZE OR PAD THICKNESS OR ADD GEOTEXTILE FABRIC.
 - PAD TOO SHORT FOR HEAVY EQUIPMENT TRAFFIC - EXTEND PAD BEYOND THE MINIMUM 50 FOOT LENGTH AS NECESSARY

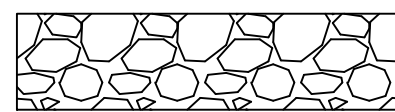
INSPECTION AND MAINTENANCE

- INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER 1/2" OR GREATER STORM EVENTS
- RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE AND RUNOFF CONTROL
- TOPLESS WITH CLEAN 2-3" STONE AS NEEDED
- IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY REMOVE ALL TEMPORARY ROAD MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED.

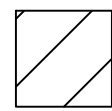
TEMPORARY CONSTRUCTION ENTRANCE NOTES

- INSTALLATION
 - AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - IF SLOPE TOWARDS THE PUBLIC ROAD EXCEEDS 2% CONSTRUCT A 6 TO 8" HIGH RIDGE WITH 3H:1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES ALONG PUBLIC ROADS. PLACE STONE TO DIMENSIONS AND GRADE AS SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
 - DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE.
 - IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.

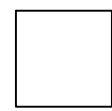
EROSION CONTROL LEGEND



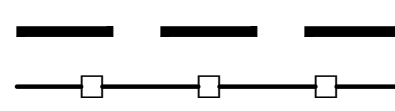
Stabilized Construction Entrance



Staging Area



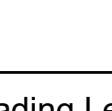
Concrete Washout



Limits of Disturbance



Perimeter Silt Fence



Inlet Protection

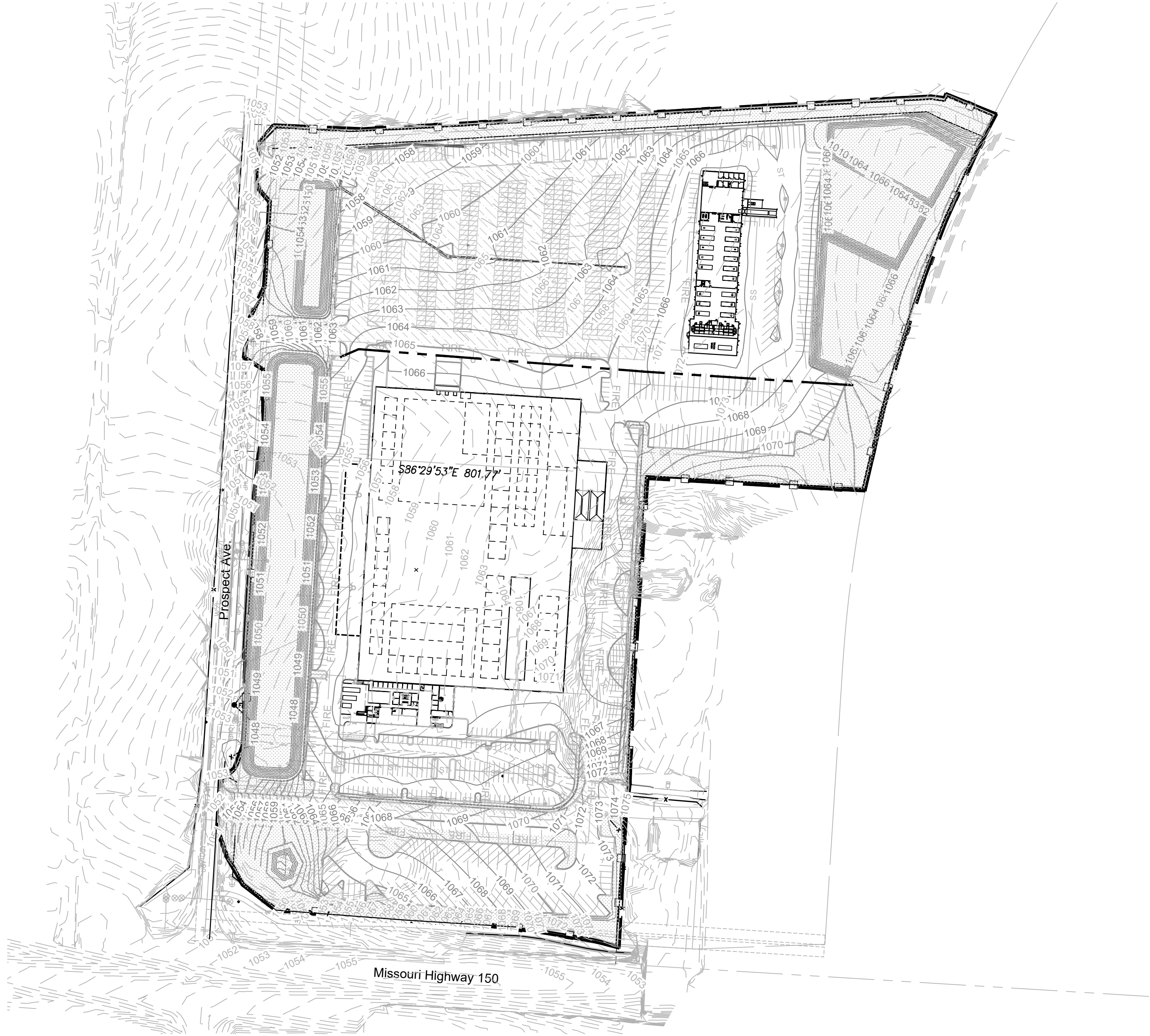
Grading Legend

- Existing Major Contour
- Existing Minor Contour
- Proposed Major Contour
- Proposed Minor Contour



framinaz
Aug 14, 2023-11:38am
Z:\RIC Design\2022-2023-0173\DWG\Sheets\LDP\22-0173 LDP-EGP-01.dwg

	PROJECT STAGE	PLAN REFERENCE NUMBER	BMP DESCRIPTION	REMOVE AFTER PHASE	NOTES
Phase I	A-Prior to Construction	1	Construction Entrance	II	Install Construction Entrance
		2	Staging Area	II	Install Staging Area
		3	Perimeter Silt Fence	III	Install Silt Fence
		4	Concrete Washout	II	Install Concrete Washout as Shown on Plans Prior to Pouring Any Concrete
Phase II	B - During Land Disturbance & Storm Infrastructure Installation	5	Inlet Protection	III	Install Filter Bags to trap sediment and debris during construction
Phase III	C-Final Stabilization	6	Establish Perennial Vegetation	N/A	Redistribute Topsoil and Seed and Mulch all Disturbed Area. Stabilization Complete when 100% of Disturbed Area is Established with Perennial Vegetation with a Density of 70%



GENERAL NOTES:

- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF KANSAS CITY, MISSOURI. THESE STANDARDS CAN BE FOUND AT THE FOLLOWING ADDRESS. <http://www.kcmo.org/codes.nsf/web/LDDstandards?open> document
- THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINE PRESENT. THE DEVELOPER SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE", AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES.
- THE DEVELOPER SHALL BE RESPONSIBLE TO OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
- ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNERS REPRESENTATIVE.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC STREETS IN THE VICINITY OF THE JOB SITE CLEAN AND FREE OF ROCKS, SOIL AND DEBRIS.
- THE DEVELOPER SHALL BE RESPONSIBLE TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION, EROSION CONTROL PROCEDURES SHALL BE IN PLACE PRIOR TO BEGINNING GRADING ACTIVITIES.
- THE DEVELOPER SHALL NOT CHANGE OR DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND CITY.
- ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY, DEVELOPER AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES. DEVELOPER SHALL PROVIDE ALL WORK AND MATERIALS AS SHOWN ON PLANS.
- THE DEVELOPER SHALL GRADE AREAS TO PROVIDE POSITIVE DRAINAGE.
- THE DEVELOPER SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN ONE VERTICAL IN 3 FEET HORIZONTAL.
- THE EROSION CONTROL PLAN HAS BEEN PLACED IN THE CITY'S FILE FOR THE PROJECT. THE PLAN APPEARS TO FULFILL THE MISSOURI DEPARTMENT OF NATURAL RESOURCES TECHNICAL CRITERIA AND THE CRITERIA FOR EROSION CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS ARISE OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER UNTIL SUCH TIME AS IS PROPERLY COMPLETED. MODIFIED OR VOIDED.
- NO GRADING WORK WITHIN PUBLIC RIGHT-OF-WAY IS ALLOWED UNDER THE LAND DISTURBANCE PERMIT.
- THE DEVELOPER SHALL SEED ALL DISTURBED AREAS IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE CEASED.

NOTE:

- ALL SLOPES GREATER THAN 4:1 WILL BE EVALUATED FOR USE OF MATS/BLANKETS
- NO WETLANDS PRESENT ON THIS PROPERTY
Install "J" Hooks in Silt Fence Every 100 LF.

Site Inspections are required at a minimum of once per fourteen days and within 24 hours of any 0.5" rainfall or greater during construction activities. A report of each inspection shall be made, signed and dated within 24 hours of the inspection. Observations related to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, and observations listing areas where construction operations have permanently or temporarily stopped shall all be included in the inspection report.

All disturbed areas to be stabilized within 14 days of final disturbance.

TROUBLESHOOTING

- CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
 - INADEQUATE RUNOFF CONTROL TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROAD-INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES
 - SMALL STONE, THIN PAD, OR ABSENCE OF GEOTEXTILE FABRIC RESULTS IN RUTS AND MUDDY CONDITIONS AS STONE IS PRESSED INTO SOIL - INCREASE STONE SIZE OR PAD THICKNESS OR ADD GEOTEXTILE FABRIC.
 - PAD TOO SHORT FOR HEAVY EQUIPMENT TRAFFIC - EXTEND PAD BEYOND THE MINIMUM 50 FOOT LENGTH AS NECESSARY

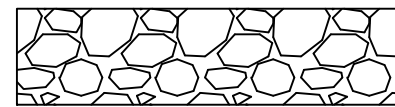
INSPECTION AND MAINTENANCE

- INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER 1/2" OR GREATER STORM EVENTS
- RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE AND RUNOFF CONTROL
- TOPLESS WITH CLEAN 2-3" STONE AS NEEDED
- IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY REMOVE ALL TEMPORARY ROAD MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED.

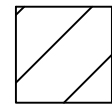
TEMPORARY CONSTRUCTION ENTRANCE NOTES

- INSTALLATION
 - AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - IF SLOPE TOWARDS THE PUBLIC ROAD EXCEEDS 2% CONSTRUCT A 6 TO 8" HIGH RIDGE WITH 3H:1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES ALONG PUBLIC ROADS. PLACE STONE TO DIMENSIONS AND GRADE AS SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
 - DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE.
 - IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.

EROSION CONTROL LEGEND



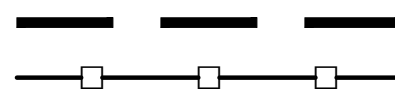
Stabilized Construction
Entrance



Staging Area



Concrete Washout



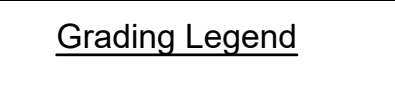
Limits of Disturbance



Perimeter Silt Fence



Inlet Protection

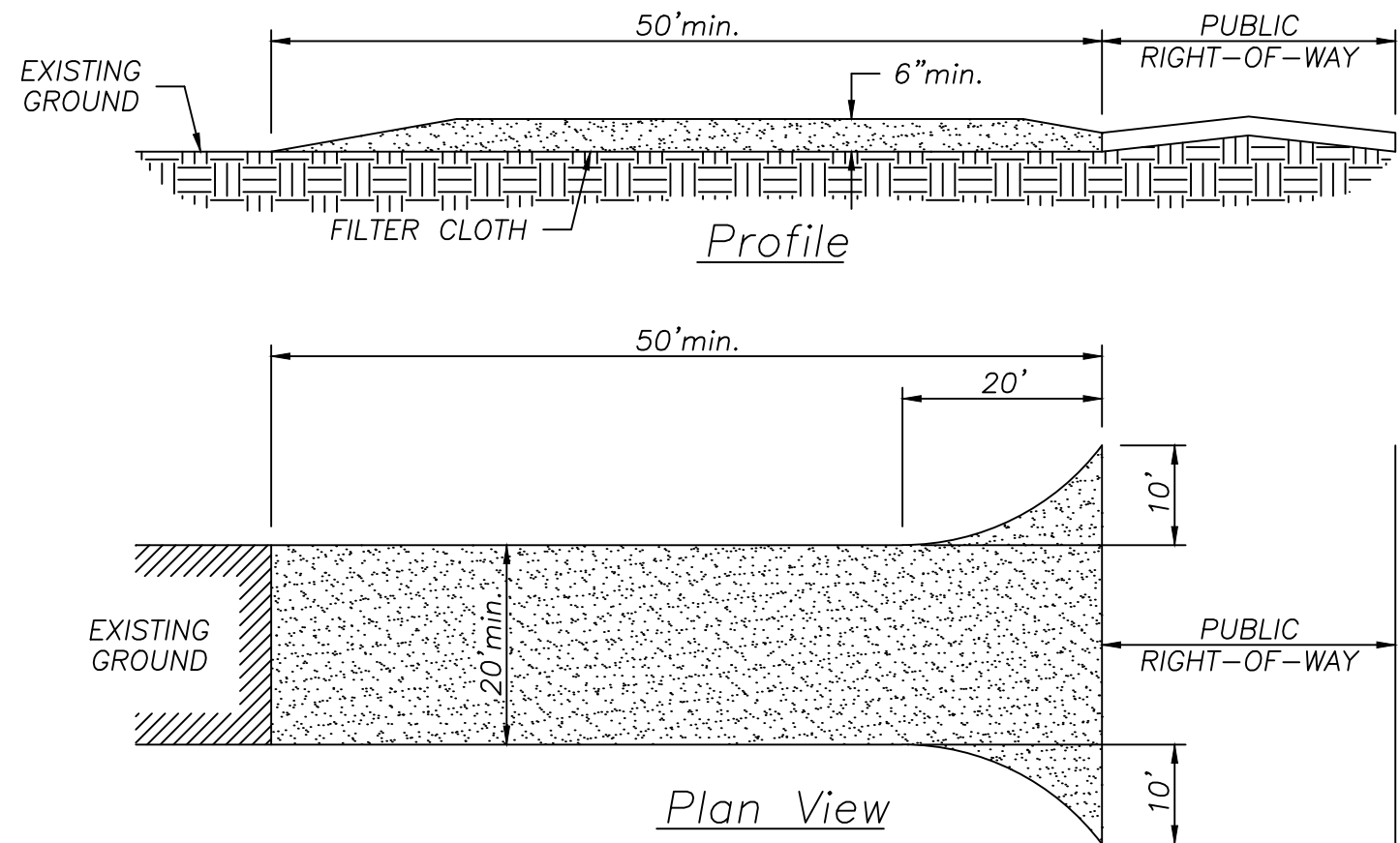


Diversion Berm/ Swale

Grading Legend

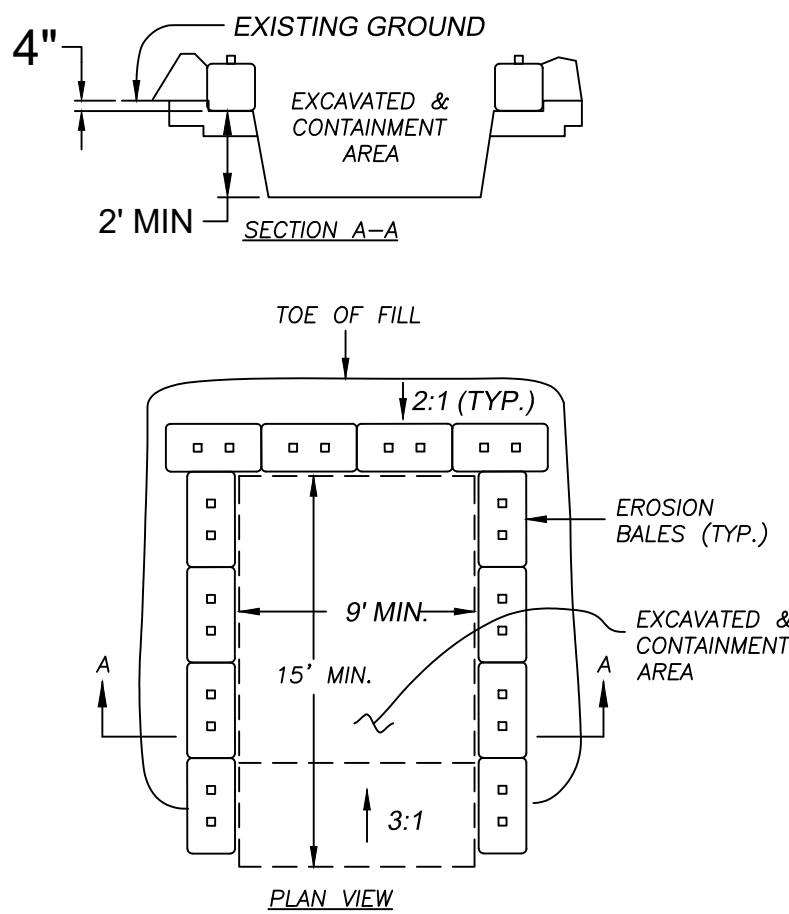
- Existing Major Contour
- Existing Minor Contour
- Proposed Major Contour
- Proposed Minor Contour



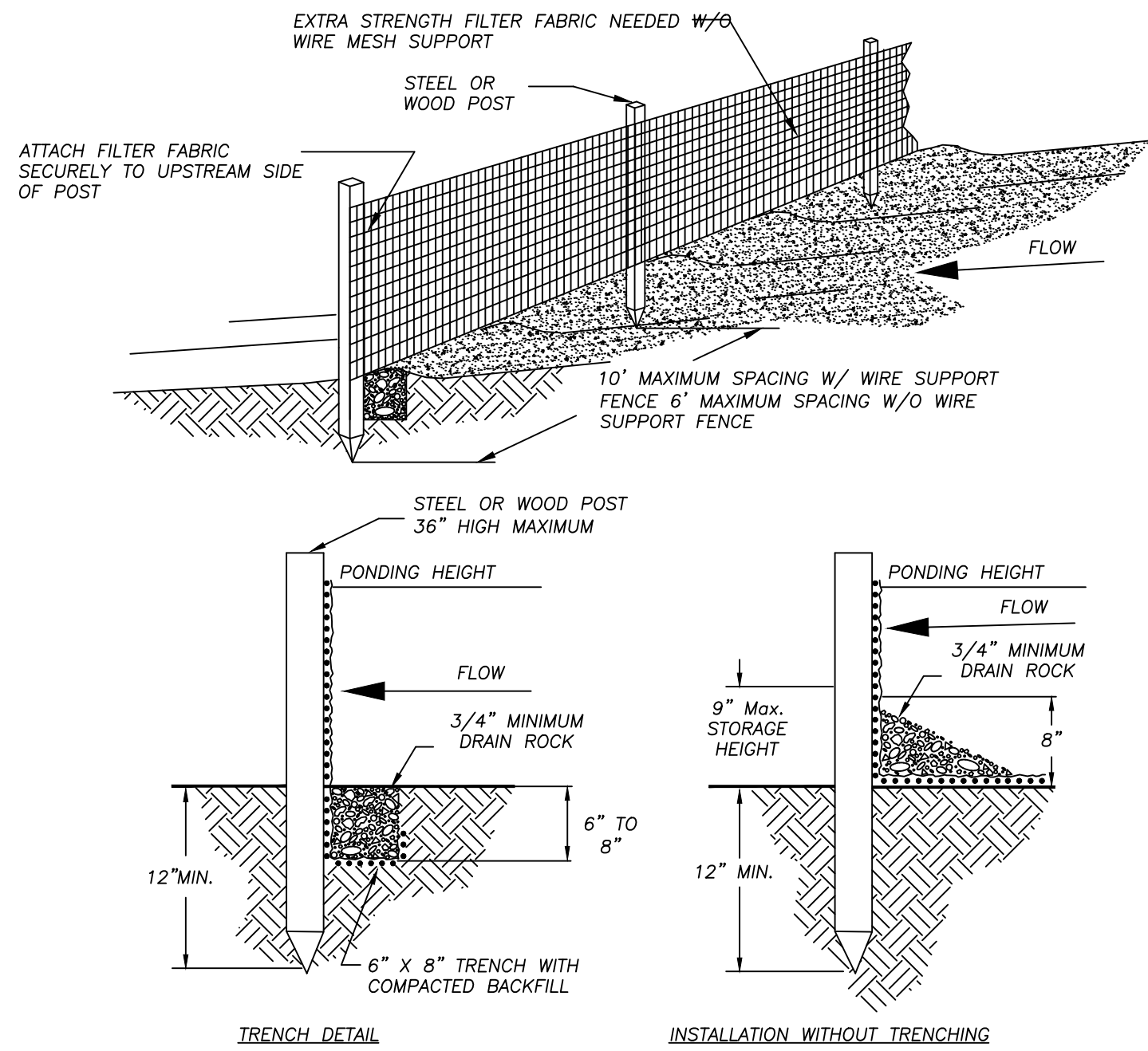


- CONSTRUCTION SPECIFICATIONS:**
1. STONE SIZE – USE (2) INCH STONE, OR RECLAIMED OR RECYCLED EQUIVALENT.
 2. LENGTH – AS REQUIRED, BUT NOT LESS THAN (50) FEET.
 3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
 4. WIDTH – TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 3:1 SLOPES WILL BE PERMITTED.
 7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AS NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

Temporary Construction Entrance
Not to Scale

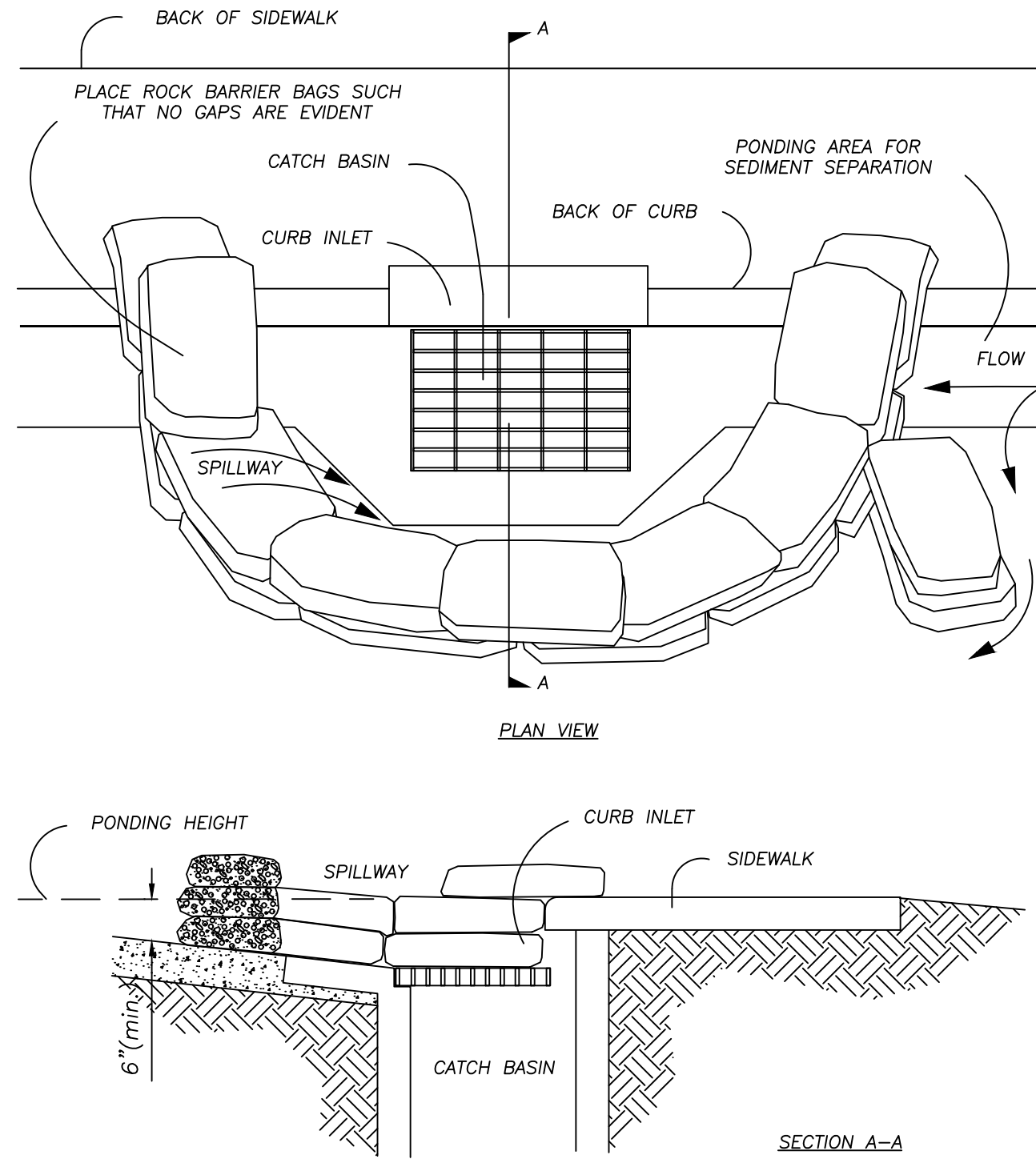


Concrete Washout
Not to Scale



- NOTES:**
1. MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
 2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY.
 3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
 4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

Filter Fabric Silt Fence
Not to Scale



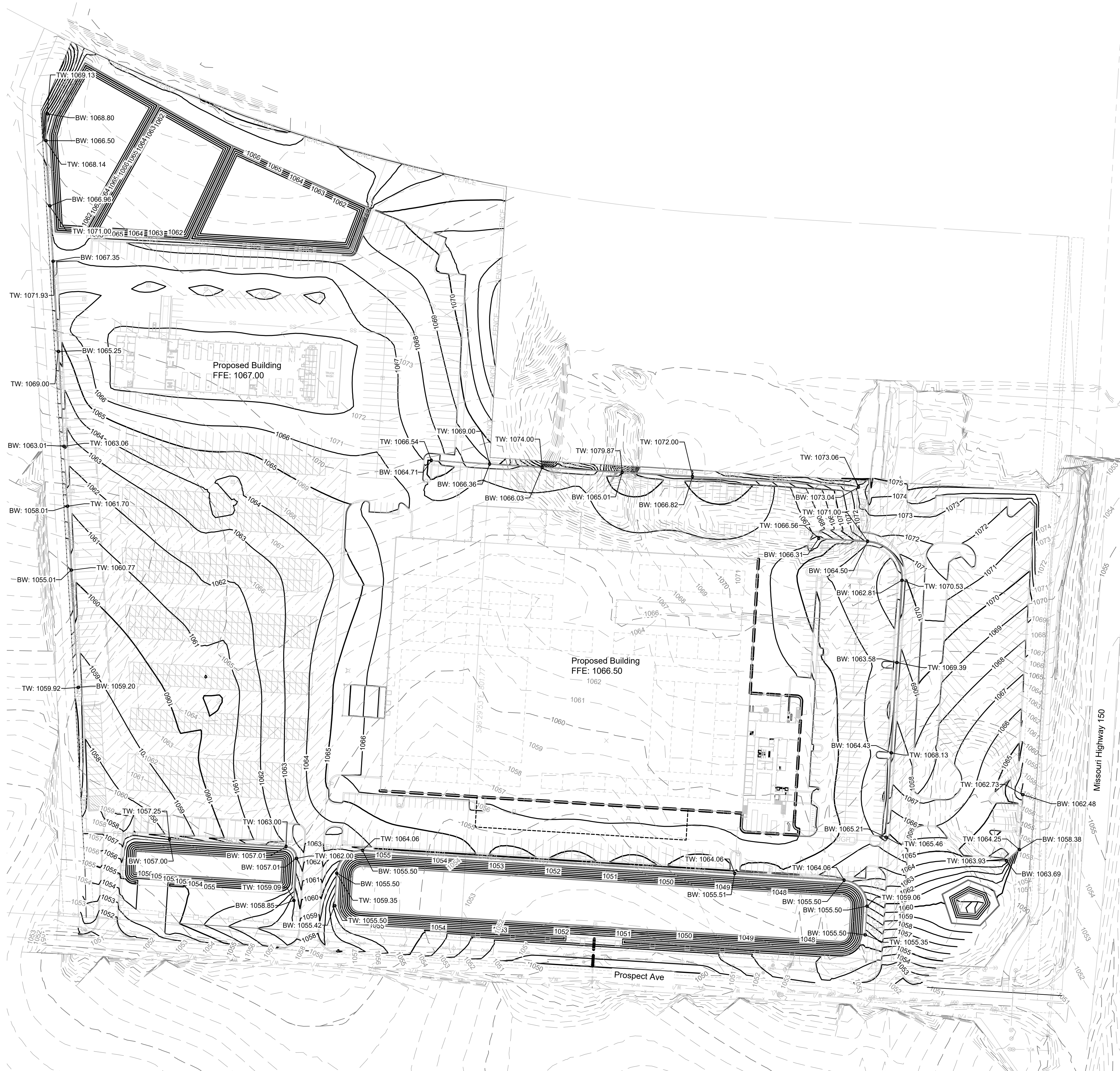
- NOTES:**
1. ALL ROCK BAG BARRIERS MUST AGREE WITH THE NOTES ON PREVIOUS PAGE.
 2. PLACE CURB TYPE ROCK BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
 3. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
 4. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY; OR IN THE CENTER IF PONDING IS NEEDED ON BOTH SIDES.
 5. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY

Rock Bag Curb Inlet Barrier
Not to Scale

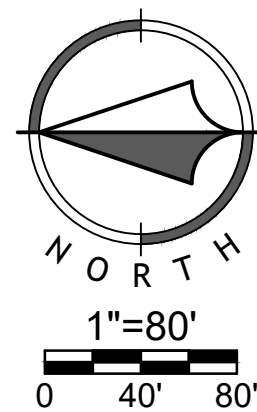
1	07/26/2023	Original Submittal
NO.	DATE	REVISION

DRAWN BY: TCD
CHECKED BY: DB

framing
Aug 14, 2023 11:24am
Z:\RIC Design\2022\22-0173\DWG\Exhibits\22-0173 WALL-GRADING-EX.dwg

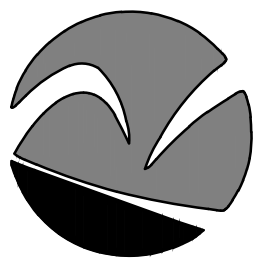


Grading Legend	
	Existing Major Contour
	Existing Minor Contour
	Proposed Major Contour
	Proposed Minor Contour



1	07/28/2023	Original Submittal
NO.	DATE	REVISION

DRAWN BY	CHECKED BY
TCD	DB



**Renaissance
Infrastructure
Consulting**

400 E 17th STREET
KANSAS CITY, MISSOURI 64108
www.ri-consult.com
MO Certificate of Authority: E-2010033630

Page 1

Page 2