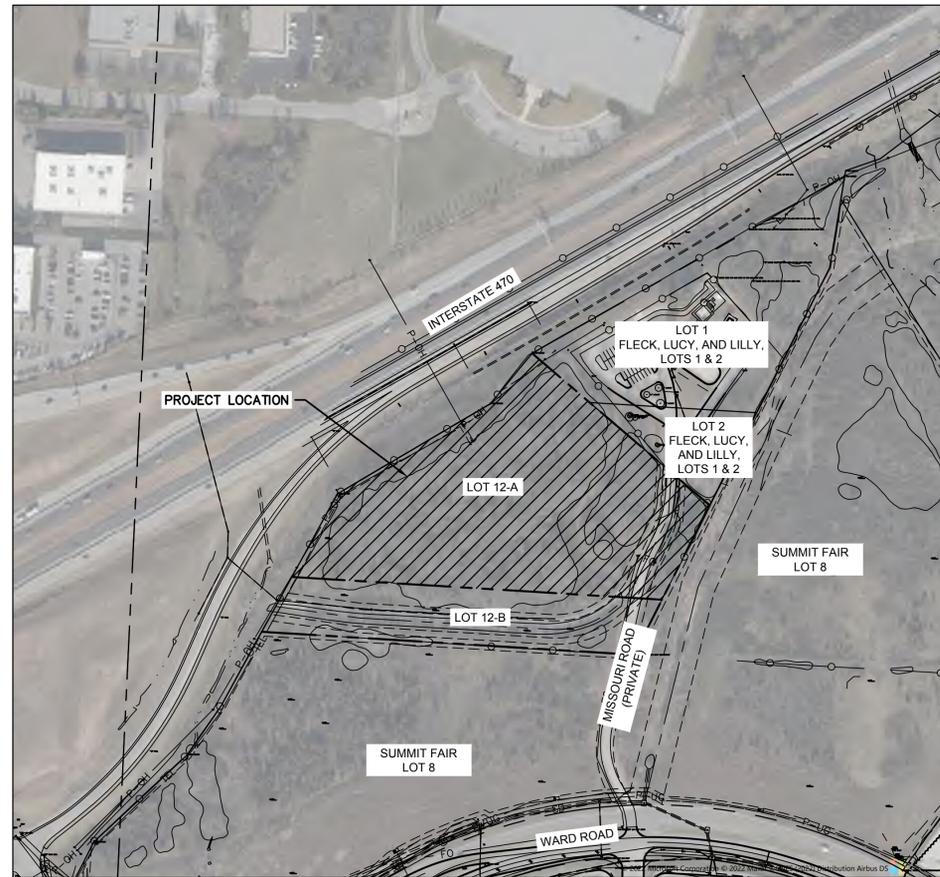


LAND DISTURBANCE PLANS FOR CHURCH AT WARD ROAD, LLC

PART OF
1251 NW WARD ROAD
LOT 12-A, SUMMIT FAIR LOT 12A & 12B, SUMMIT FAIR SECOND PLAT SECTION 36,
TOWNSHIP 48 NORTH, RANGE 32 WEST, IN THE CITY OF LEE'S SUMMIT, JACKSON
COUNTY, MISSOURI

UTILITY AND GOVERNING AGENCY CONTACT INFORMATION	
CITY OF LEE'S SUMMIT: FIRE CHIEF	207 SE DOUGLAS LEE'S SUMMIT, MO 64063 816.969.7360
CITY OF LEE'S SUMMIT STORM SEWER	220 SE GREEN STREET LEE'S SUMMIT, MO 64063 816.969.1800
CITY OF LEE'S SUMMIT: WASTEWATER	1200 SE HAMBLIN ROAD LEE'S SUMMIT, MO 64081 816.969.1900
CITY OF LEE'S SUMMIT: WATER	1200 SE HAMBLIN ROAD LEE'S SUMMIT, MO 64081 816.969.1900
CITY OF LEE'S SUMMIT POLICE DEPARTMENT	10 NE TUDOR ROAD LEE'S SUMMIT, MO 64086 816.969.1700
AT&T	500 EAST 8TH STREET, ROOM 1152 KANSAS CITY, MO 64106 816.275.2721
EVERGY (POWER)	401 SE BAILEY DRIVE LEE'S SUMMIT, MO 64081 816.347-4320
SPIRE GAS	3025 SE CLOVER DRIVE LEE'S SUMMIT, MO 64082 816.472.3489
SPECTRUM	8221 W. 119TH STREET OVERLAND PARK, KANSAS 66213 913.643-1960
MISSOURI DEPARTMENT OF TRANSPORTATION	600 N.E. COLBERN ROAD LEE'S SUMMIT, MO 64086 816.607.2186



LOCATION MAP

NOT TO SCALE

LEGAL DESCRIPTION:

SUMMIT FAIR LOT 12A & 12B SUMMIT FAIR SECOND PLAT LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.

Sheet List Table	
Sheet Number	Sheet Title
LD1.0	COVER SHEET
LD1.2	GENERAL NOTES
LD2.0	EXISTING CONDITIONS & CLEARING PLAN
LD3.0	OVERALL GRADING PLAN
LD4.0	EROSION CONTROL PLAN - PRE DISTURBANCE
LD4.1	EROSION CONTROL PLAN - MASS GRADING
LD4.2	EROSION CONTROL PLAN - FINAL STABILIZATION
LD4.3	SEDIMENT TRAP DETAILS
LD5.0	STANDARD DETAILS
LD5.1	STANDARD DETAILS

Brett Lauritsen

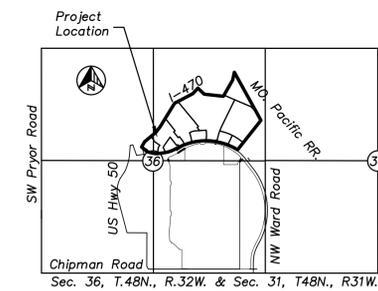
BRETT LAURITSEN, P.E.
CIVIL ENGINEER
MO # PE-2012028379

02.15.2022

DATE

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<input checked="" type="checkbox"/>	REVIEWED FOR CONSTRUCTION

DEVELOPMENT TEAM CONTACT INFORMATION	
OWNER/DEVELOPER	
CHURCH AT WARD RD, LLC DESIREE GOOD	211 N ROBINSON AVE. 8TH FLOOR TWO LEADERSHIP SQUARE OKLAHOMA CITY, OK 73012 PH: 405.216.7106 INFO@SEED.SERVICES
CIVIL ENGINEER	
OLSSON, INC MASON OLSON	7301 W. 133RD STREET SUITE 200 OVERLAND PARK, KS 66213 PH: 913.381.1170 FAX: 913.381.1174 MSolson@olsson.com



VICINITY MAP

Scale: 1" = 2000'

PRLD20220463

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Development Services Department
Lee's Summit, Missouri
03/04/2022



REV. NO.	DATE	REVISION DESCRIPTION
1	02.15.2022	REVISED PER CITY COMMENTS

COVER SHEET
LAND DISTURBANCE PLANS
CHURCH AT WARD RD, LLC.
1251 NW WARD ROAD
LEE'S SUMMIT, MO

drawn by: HL
checked by: MO
approved by: BL
QA/QC by: MAP
project no.: 021-05070
drawing no.: C_GEN01_02105070
date: 2022.02.15

SHEET
LD1.0

REVISIONS

2022

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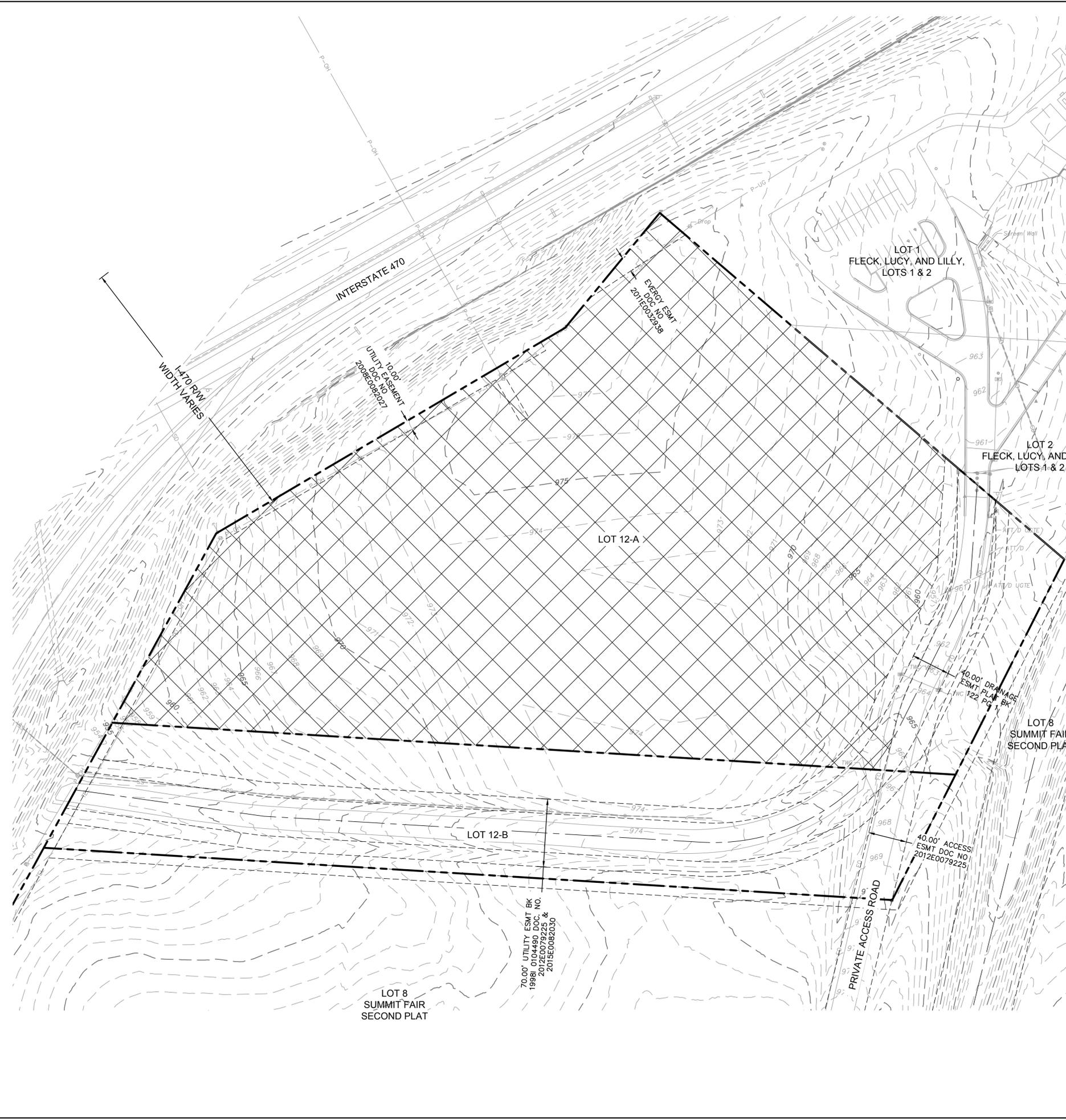
THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, & OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. CALL 1-800-DIG-RITE.



MISSOURI STATE PLANE COORDINATE SYSTEM
1983, MISSOURI WEST ZONE
(2003 ADJUSTMENT)
REFERENCE MONUMENT JA-43
N-307528.309
E-860514.793
COMBINED SCALE FACTOR 0.99899480
COORDINATES SHOWN IN METERS

olsson
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Overland Park, KS 66213-4750
TEL 913.381.1170 www.olsson.com

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LEGEND

	PROPERTY LINE
	LOT LINE
	EXISTING EASEMENT
	EXISTING CONTOUR
	TREE CLEARING & GRUBBING

- NOTES**
- ALL TREE CLEARING ACTIVITIES TO BE PERFORMED ACCORDING TO CITY OF LEE'S SUMMIT STANDARDS AND SPECIFICATIONS AND APPLICABLE ORDINANCES.
 - PER MISSOURI GEOLOGICAL SURVEY ACCESSED ON 02/23/2022, NO OIL/GAS WELLS WERE LOCATED ON-SITE
 - PER FEMA FLOOD MAP #29095C0417G PANEL 0417 DATED JANUARY 20, 2017, PROJECT AREA RESIDES IN ZONE X - AREA OF MINIMAL FLOOD HAZARD

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EXISTING CONDITIONS & CLEARING PLAN
 LAND DISTURBANCE PLANS

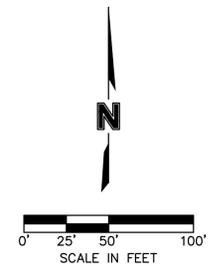
CHURCH AT WARD RD, LLC.
 1251 NW WARD ROAD

LEE'S SUMMIT, MO

2022

drawn by: HL
 checked by: MO
 approved by: BL
 QA/QC by: MAP
 project no.: 021-05070
 drawing no.: C_EXC01_02105070
 date: 2022.02.15

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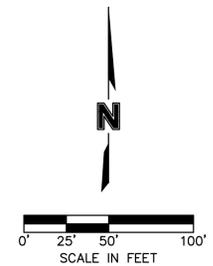
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LEGEND

	PROPERTY LINE
	LOT LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR



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OVERALL GRADING PLAN
 LAND DISTURBANCE PLANS

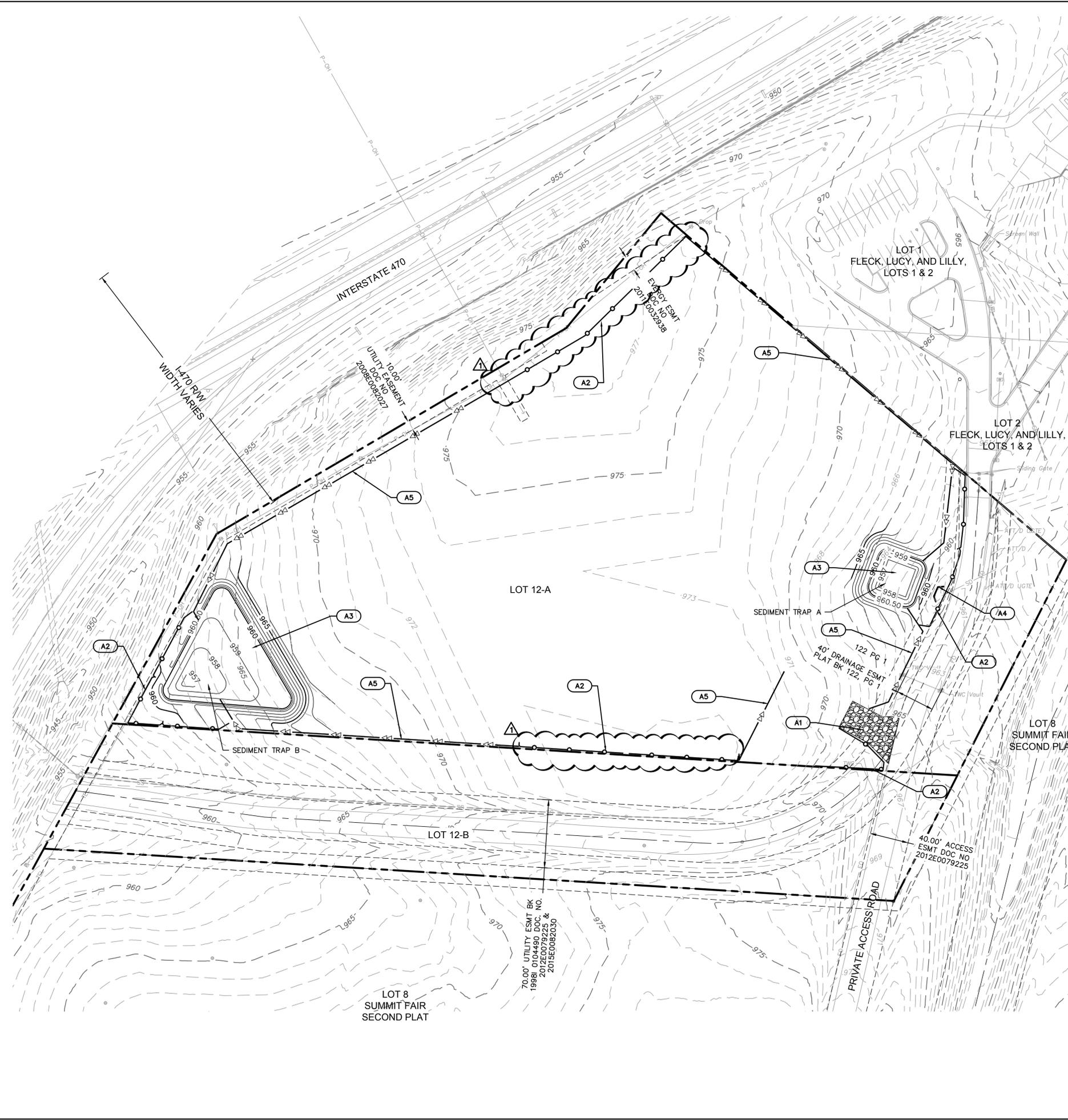
CHURCH AT WARD RD, LLC.
 1251 NW WARD ROAD

2022

LEE'S SUMMIT, MO

SHEET
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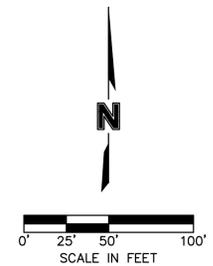
	PROPERTY LINE
	LOT LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	LIMITS OF DISTURBANCE (7.50+/- ACRES)
	SILT FENCE
	TEMPORARY CONSTRUCTION ENTRANCE
	EROSION CONTROL REFERENCE NUMBER
	DIVERSION BERM

EROSION CONTROL STAGING CHART

PROJECT STAGE	EROSION CONTROL BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE DISTURBANCE	A1	CONSTRUCTION ENTRANCE	C	INSTALL AS INDICATED ON PLANS (IF SITE DISRUPTION LASTS LONGER THAN 14 DAYS)
	A2	SILT FENCE	C	INSTALL AS INDICATED ON PLANS
	A3	SEDIMENT TRAP	SEE NOTE #1	SEE DETAILS ON SHEETS LD4.3 & LD5.0
	A4	COMPOST FILTER BERM	C	INSTALL AS INDICATED ON PLANS
	A5	DIVERSION BERM	C	INSTALL AS INDICATED ON PLANS
B - MASS GRADING	B1	EROSION CONTROL MAT	N/A	INSTALL AS INDICATED ON PLANS
C - FINAL STABILIZATION	C1	REPLACE TOP SOIL, SEED MULCH	N/A	ESTABLISH PERENNIAL VEGETATION WITH A 70% DENSITY OVER 100% OF DISTURBED AREA.

NOTES

- SEDIMENT TRAPS "A" & "B" TO REMAIN ON SITE UNTIL SITE DEVELOPS. SEDIMENT TRAP "B" TO BE CONVERTED INTO DETENTION BASIN WHEN SITE DEVELOPS. SEDIMENT TRAP "A" TO BE FILLED IN AND REPLACED WITH STORM SEWER STRUCTURE & PIPING WHEN SITE DEVELOPS.



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EROSION CONTROL PLAN - PRE DISTURBANCE
LAND DISTURBANCE PLANS

CHURCH AT WARD RD, LLC.
1251 NW WARD ROAD

LEE'S SUMMIT, MO

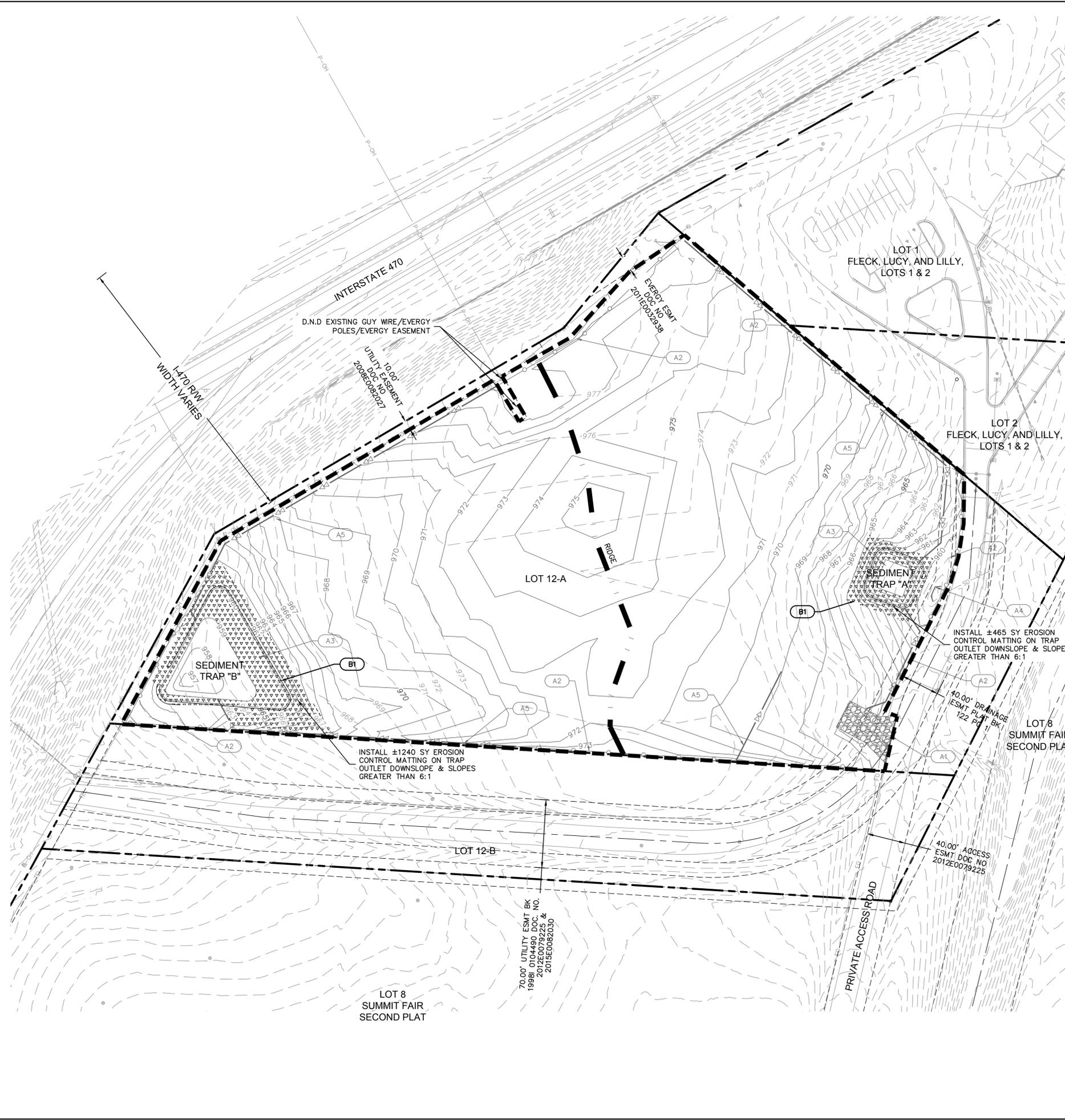
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checked by: MO
approved by: BL
QA/QC by: MAP

project no.: 021-05070
drawing no.: C_ERO01_02105070
date: 2022.02.15

SHEET
LD4.0

2022

DWG: F:\2021\05070\021-05070\40-Design\AutoCAD\Final Plans\Sheets\NCV\Mass Grading\C_ER002_02105070.dwg USER: msolson
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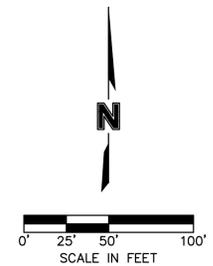


LEGEND

	PROPERTY LINE
	LOT LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	LIMITS OF DISTURBANCE (7.50+/- ACRES)
	SILT FENCE
	TEMPORARY CONSTRUCTION ENTRANCE
	EROSION CONTROL REFERENCE NUMBER

EROSION CONTROL STAGING CHART

PROJECT STAGE	EROSION CONTROL BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE DISTURBANCE	A1	CONSTRUCTION ENTRANCE	C	INSTALL AS INDICATED ON PLANS (IF SITE DISRUPTION LASTS LONGER THAN 14 DAYS)
	A2	SLOPE PROTECTION (SILT FENCE)	C	INSTALL AS INDICATED ON PLANS
	A3	SEDIMENT TRAP	SEE NOTE #1 ON LD4.0	SEE DETAILS ON SHEETS LD4.3 & LD5.0
	A4	COMPOST FILTER BERM	C	INSTALL AS INDICATED ON PLANS
	A5	DIVERSION BERM	C	INSTALL AS INDICATED ON PLANS
B - MASS GRADING	B1	EROSION CONTROL MAT	N/A	INSTALL AS INDICATED ON PLANS
C - FINAL STABILIZATION	C1	REPLACE TOP SOIL, SEED, MULCH	N/A	ESTABLISH PERENNIAL VEGETATION WITH A 70% DENSITY OVER 100% OF DISTURBED AREA.



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EROSION CONTROL PLAN - MASS GRADING
LAND DISTURBANCE PLANS
CHURCH AT WARD RD, LLC.
1251 NW WARD ROAD
LEE'S SUMMIT, MO

2022

drawn by: _____	HL
checked by: _____	MO
approved by: _____	BL
QA/QC by: _____	MAP
project no.: 021-05070	
drawing no.: C_ER002_02105070	
date: 2022.02.15	

SHEET LD4.1

DWG: F:\2021\05001-05070\40-Design\AutoCAD\Final Plans\Sheets\NCV\Mass Grading\02105070.dwg USER: madsen
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LEGEND

	PROPERTY LINE
	LOT LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	LIMITS OF DISTURBANCE (7.50+/- ACRES)
	SILT FENCE
	ESTABLISH PERENNIAL VEGETATION WITH A 70% DENSITY OVER 100% OF DISTURBED AREA.
	EROSION CONTROL REFERENCE NUMBER

EROSION CONTROL STAGING CHART

PROJECT STAGE	EROSION CONTROL BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE DISTURBANCE	A1	CONSTRUCTION ENTRANCE	C	INSTALL AS INDICATED ON PLANS (IF SITE DISRUPTION LASTS LONGER THAN 14 DAYS)
	A2	SLOPE PROTECTION (SILT FENCE)	C	INSTALL AS INDICATED ON PLANS
	A3	SEDIMENT TRAP	SEE NOTE #1 ON LD4.0	SEE DETAILS ON SHEETS LD4.3 & LD5.0
	A4	COMPOST FILTER BERM	C	INSTALL AS INDICATED ON PLANS
	A5	DIVERSION BERM	C	INSTALL AS INDICATED ON PLANS
B - MASS GRADING	B1	EROSION CONTROL MAT	N/A	INSTALL AS INDICATED ON PLANS
C - FINAL STABILIZATION	C1	REPLACE TOP SOIL, SEED, MULCH	N/A	ESTABLISH PERENNIAL VEGETATION WITH A 70% DENSITY OVER 100% OF DISTURBED AREA.

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**EROSION CONTROL PLAN - FINAL STABILIZATION
LAND DISTURBANCE PLANS**

CHURCH AT WARD RD, LLC.
1251 NW WARD ROAD

LEE'S SUMMIT, MO

2022

drawn by: _____ HL

checked by: _____ MO

approved by: _____ BL

QA/QC by: _____ MAP

project no.: 021-05070

drawing no.: C_ER002_02105070

date: 2022.02.15

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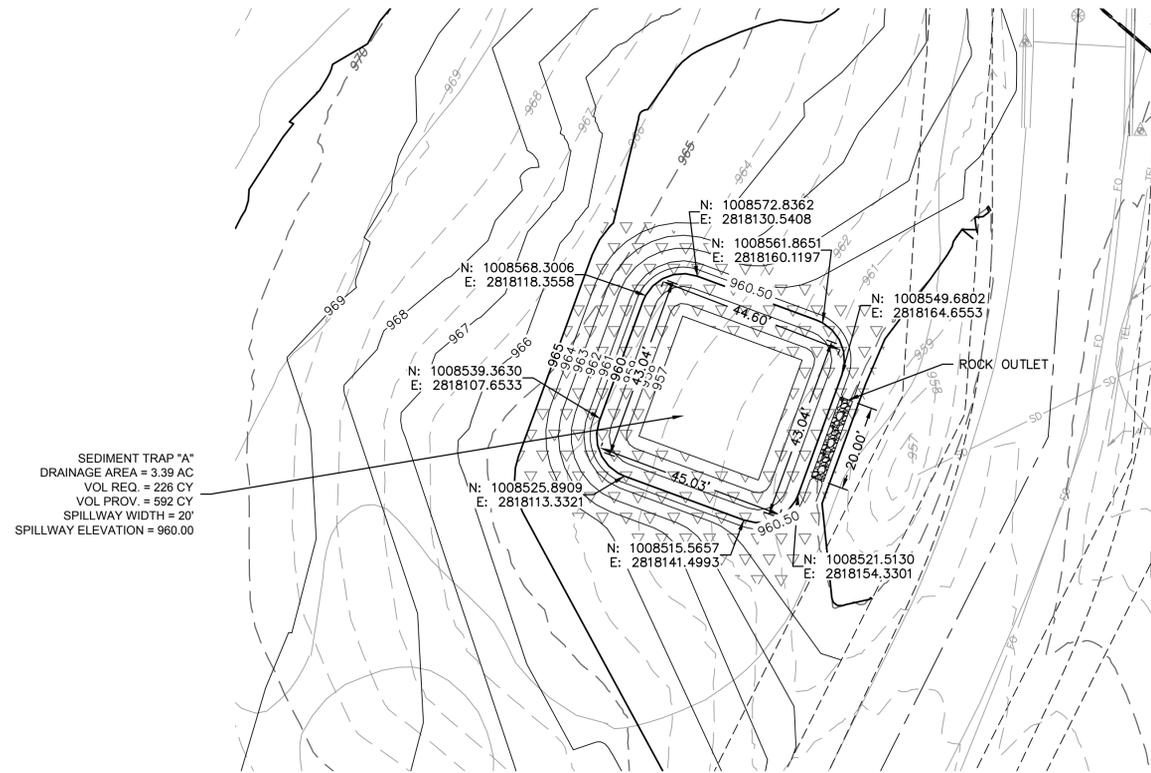
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SEDIMENT TRAP DESIGN DATA

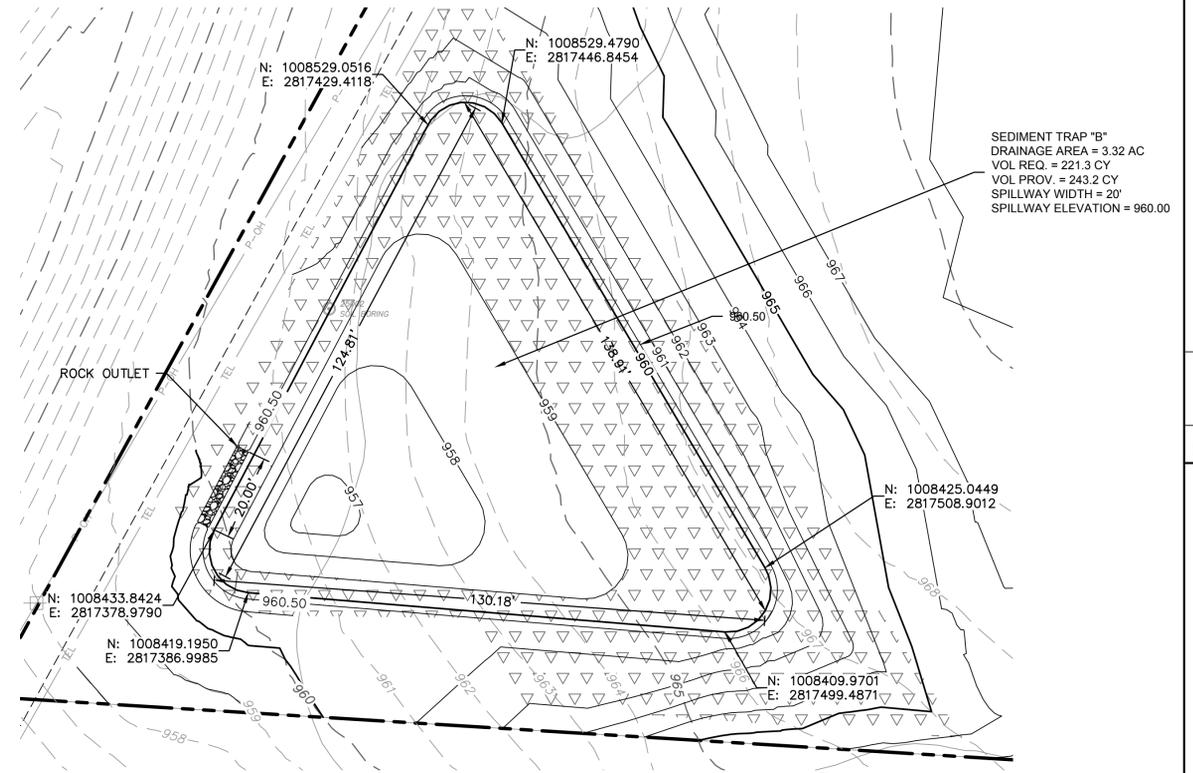
TITLE: CHURCH AT WARD ROAD, LLC
JOB #: 021-05070

Design Item:	Trap #A	Trap #B	Units	Notes:
<i>Pond Data</i>				
Drainage Area	3.32	3.39	acres	
Required Volume (1800 cf/acre)	221.3	226.0	cy	
Provided Volume	243.2	592.0	cy	
Excavated Volume	858.0	2250.0	cy	
Sediment Cleanout Volume	48.6	118.4	cy	20% OF PROVIDED VOLUME
Sediment Cleanout Elevation	958.4	959.0		

SEDIMENT TRAP "A" DETAIL

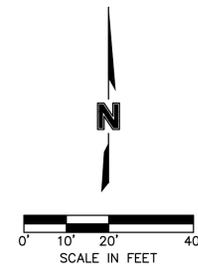


SEDIMENT TRAP "B" DETAIL



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Lee's Summit, Missouri
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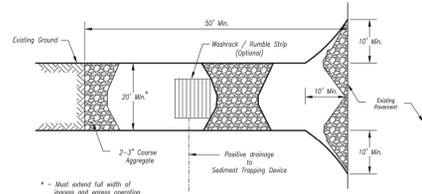
REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	02.15.2022	REVISED PER CITY COMMENTS	MSD

SEDIMENT TRAP DETAILS
LAND DISTURBANCE PLANS
CHURCH AT WARD RD, LLC.
1251 NW WARD ROAD
LEE'S SUMMIT, MO

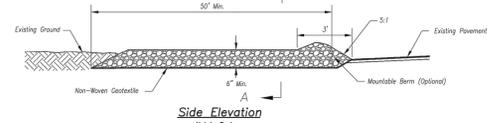
drawn by: _____ HL
checked by: _____ MO
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drawing no.: C_DRN01_02105070
date: 2022.02.15

SHEET
LD4.3

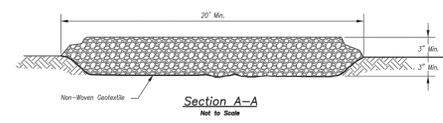
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Plan View
Not to Scale



Side Elevation
Not to Scale



Section A-A
Not to Scale

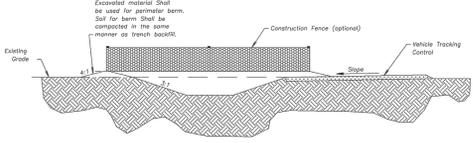
- Notes for Concrete Washout**
- Concrete washout areas shall be installed prior to any concrete placement on site.
 - Concrete washout areas shall include a flat substrate pit sized to the amount of concrete to be placed on site. The slope leading out of the substrate pit shall be 3:1. The vehicle tracking mat shall be placed towards the concrete washout area.
 - Vehicle tracking control is required at the access point to all concrete washout areas.
 - Slope shall be placed at the construction site entrance, washout area and wherever necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete trucks and pump rigs.
 - A cover-type impermeable liner may be required along the bottom and sides of the substrate pit in sandy or gravelly soils.

- Maintenance for Concrete Washout**
- Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
 - Concrete washout areas shall be enlarged as necessary to maintain capacity for washed concrete.
 - Concrete washout water, washed pieces of concrete and all other debris in the washout pit shall be transported from the job site in a water-tight container and disposed of properly.
 - Concrete washout areas shall remain in place until all concrete for the project is placed.
 - When concrete washout areas are removed, excavations shall be filled with suitable compacted gravel and topped, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be established.

- Notes for Construction Entrance**
- Avoid locating on steep slopes, or curves on public roads, or adjacent to disturbed areas.
 - 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-inch high ridge with 20:1 side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff 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 sloped for drainage.
 - Divert all surface runoff and drainage from the entrance to a sediment control device.
 - If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

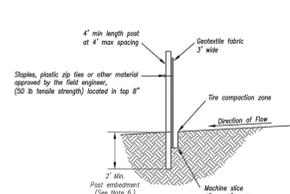
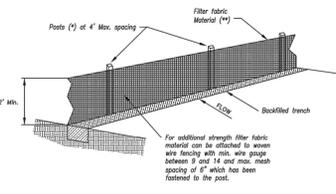
- Maintenance for Construction Entrance**
- Regrade entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

CONSTRUCTION ENTRANCE



CONCRETE WASHOUT

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT
 STANDARD DRAWING NUMBER ESC-03
 ADOPTED: 10/24/2016



- (*) EGDSIS**
- MIN LENGTH 4'
 - WIDENESS 1 1/2" x 1 1/2"
 - NO. 200 NONWOVEN FINE 2 1/2" x 2 1/2"
 - STEEL 1.32 LB/YD

- (**) Geotextile Fabric** shall meet the requirements of ASTM D 2192

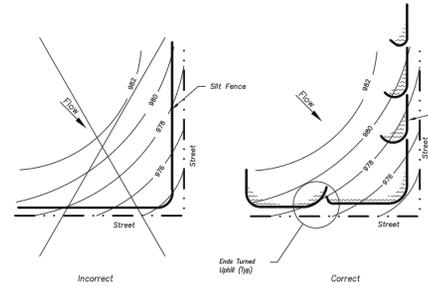
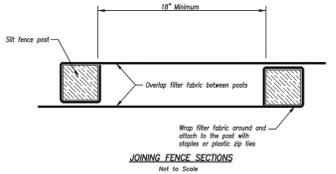
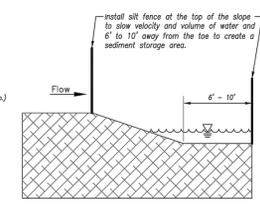


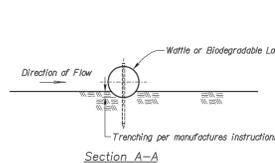
Figure A
SILT FENCE LAYOUT
Not to Scale



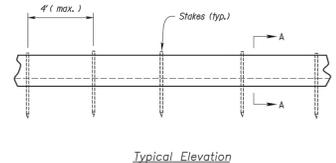
JOINING FENCE SECTIONS
Not to Scale

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 SILT FENCE
 STANDARD DRAWING NUMBER ESC-03
 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



Section A-A



Typical Elevation

WATTLES AND BIODEGRADABLE LOG

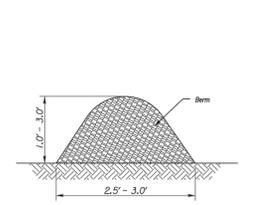


Figure 1
(Perimeter Control)

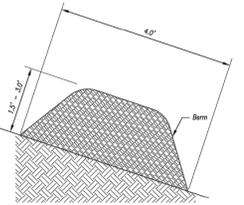


Figure 2
(Steep Slopes)

MULCH OR COMPOST FILTER BERMS

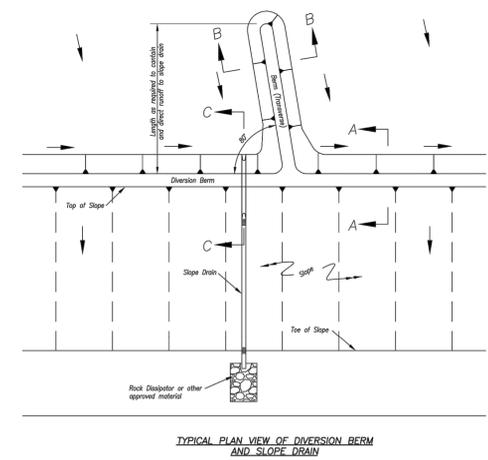
- Notes for Wattles and Biodegradable Log Slope Protection**
- The slope barriers shall be placed along contour lines, with a short section turned upwind at each end of the barrier. The maximum length of the slope barrier shall not exceed 250 feet, and the barrier ends need to be staggered.
 - Install wattles and biodegradable logs per manufacturer's instructions.
 - Spacing of stakes per manufacturer's instructions with 4' max. spacing. Length of stakes shall be a minimum of 2 times the diameter of the log with minimum of 24".

- Notes for Mulch and Compost Filter Berms**
- The sediment control berm shall be placed uncompact in a witness at locations shown on the plans or as directed by the engineer.
 - Parallel to the base of the slope, or around the perimeter of other affected areas, construct a 1 to 3 foot high by 2.5 to 3 foot wide berm (see Figure 1). For maximum water treatment ability or for steep slopes, construct a 1.5 to 3 foot high trapezoidal berm that is a minimum of 4 feet wide at the base (see Figure 2). In extreme conditions, or where specified by the engineer, a second berm shall be constructed at the top of the slope. Engineer will specify berm requirements.
 - If berm is to be left as permanent or part of the natural landscape, the compost berm may be seeded during application for permanent vegetation.
 - Do not use compost or wood mulch berms in any runoff channels or concentrated flow areas.
 - Wood mulch shall consist of fine and shub debris resulting from clearing and grubbing and shall be ground by the mechanical means such as a chipper, hammermill, tub grinder or other approved method. Mulch stich varies with a maximum width of 2" and a maximum length of 10".

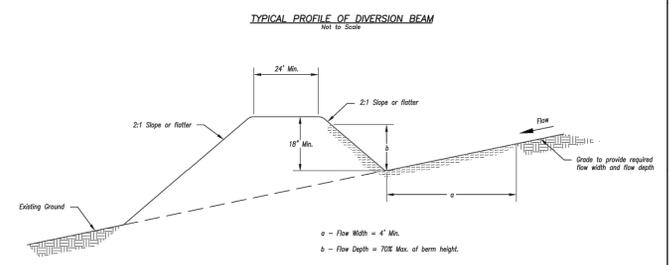
- Maintenance for Mulch and Compost Filter Berms**
- Berm shall be reshaped and material added as necessary to maintain function and dimensions.
 - Breaches in the berm shall be repaired promptly.

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 WATTLES/Biodegradable LOG AND MULCH/COMPOST FILTER BERM
 STANDARD DRAWING NUMBER ESC-04
 ADOPTED: 10/24/2016

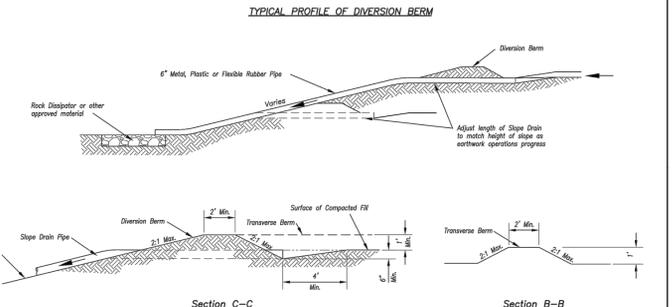
Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



Typical Plan View of Diversion Berm and Slope Drain



Typical Profile of Diversion Berm
Not to Scale



Typical Profile of Diversion Berm with Slope Drain

- Notes for Diversion Berms**
- Slope drains are optional, but may be required by the engineer if the berm is at the top of a steep slope.
 - Diversion berms must be installed as a first step in the land-disturbing activity and must be functional prior to upstage land disturbance.
 - The berm should be adequately compacted to prevent failure.
 - Temporary or permanent seeding and mulch shall be applied to the berm immediately following its construction.
 - Place the berm so to minimize damages by construction operations and traffic.
 - The berm must discharge to a temporary sediment trap or stabilized area.
 - All trees, stumps, obstructions and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of diversion.
 - The diversion shall be excavated or shaped to the grade and cross-section as required to meet the criteria specified herein, free of irregularities which will impede flow.
 - Fill shall be compacted as needed to prevent unequal settlement that would cause damage in the completed diversion. Fill shall be composed of soil free from excessive organic debris, rocks or other objectionable materials.

- Notes for Slope Drain**
- Slope Drain and Diversion Berm may be used on other project features or project backdrops.
 - Discharge of Slope Drains shall be into stabilized ditch or area, or into Sediment Basin.
 - Pipe shall be secured in place as approved by Engineer.

- Maintenance**
- Accumulation of any visible sediment at the inlet and outlet shall be removed promptly.
 - Outlet conditions shall be repaired if occur is observed. Leaking or damaged section of pipe shall be repaired immediately.
 - Barriers directing water to the inlet shall be monitored for continuity and effectiveness.

- Maintenance**
- Berm shall be reshaped, compacted, and stabilized as necessary to maintain its function.
 - Breaches in the berm shall be repaired immediately.

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 DIVERSION BERMS AND SLOPE DRAINS
 STANDARD DRAWING NUMBER ESC-05
 ADOPTED: 10/24/2016

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 Overland Park, KS 66213-4750
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STATE OF MISSOURI
 PROFESSIONAL ENGINEER
 No. 20120337
 2-15-22

REV. NO.	DATE	DESCRIPTION
1	02/15/2022	REVISED PER CITY COMMENTS

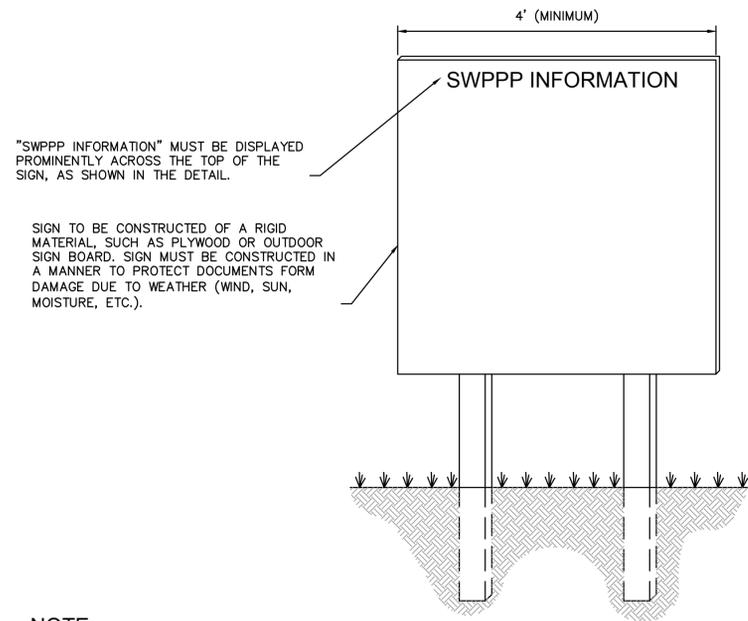
STANDARD DETAILS
 LAND DISTURBANCE PLANS
 CHURCH AT WARD RD, LLC.
 1251 NW WARD ROAD
 LEE'S SUMMIT, MO

2022

drawn by: _____ HL
 checked by: _____ MO
 approved by: _____ BL
 QA/QC by: _____ MAP
 project no.: 021-05070
 drawing no.: C-DTL01_02105070
 date: 2022.02.15

RELEASED FOR CONSTRUCTION
 As Noted on Plans Review
 Development Services Department
 Lee's Summit, Missouri
 03/04/2022

SHEET LD5.0



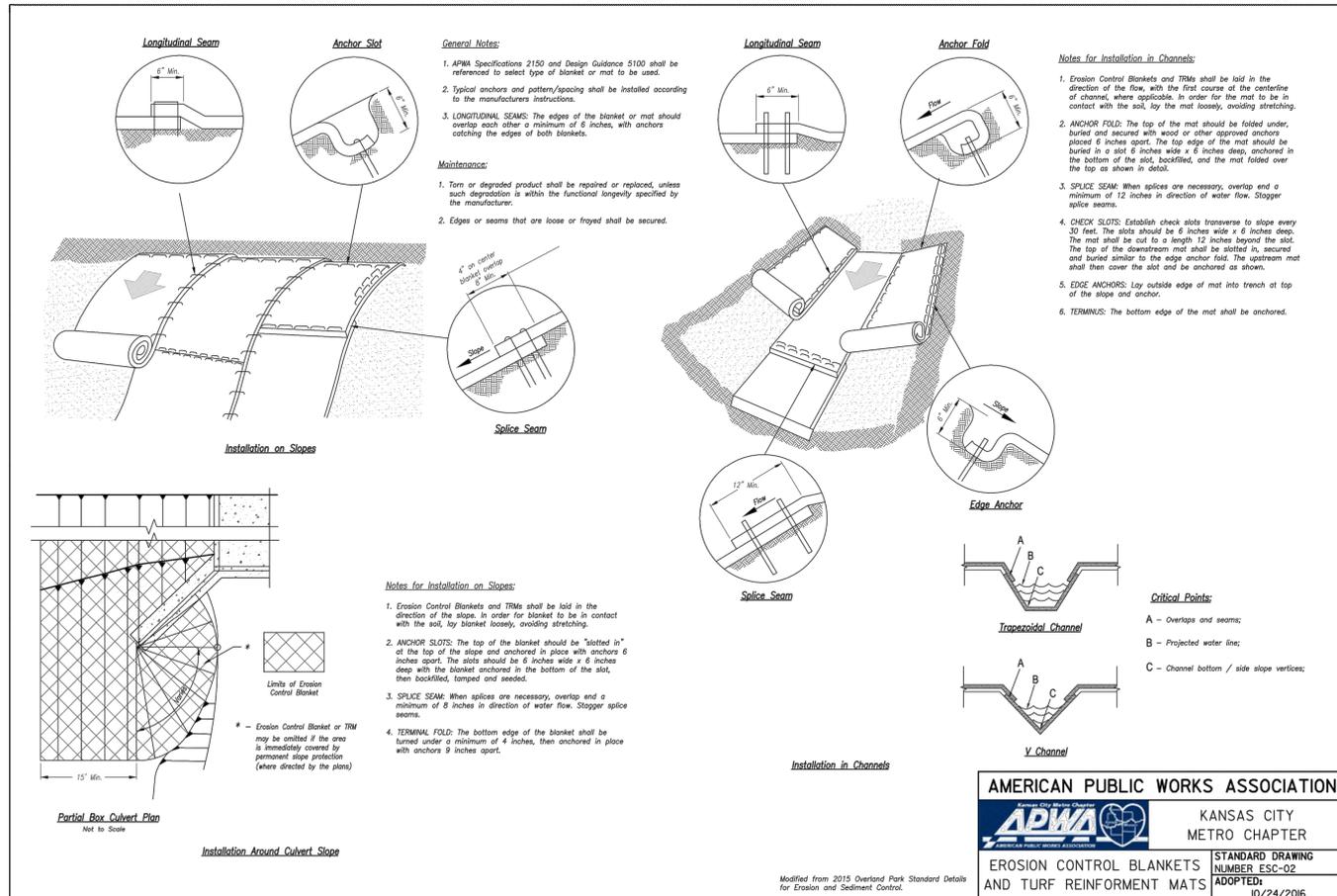
"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).

NOTE:

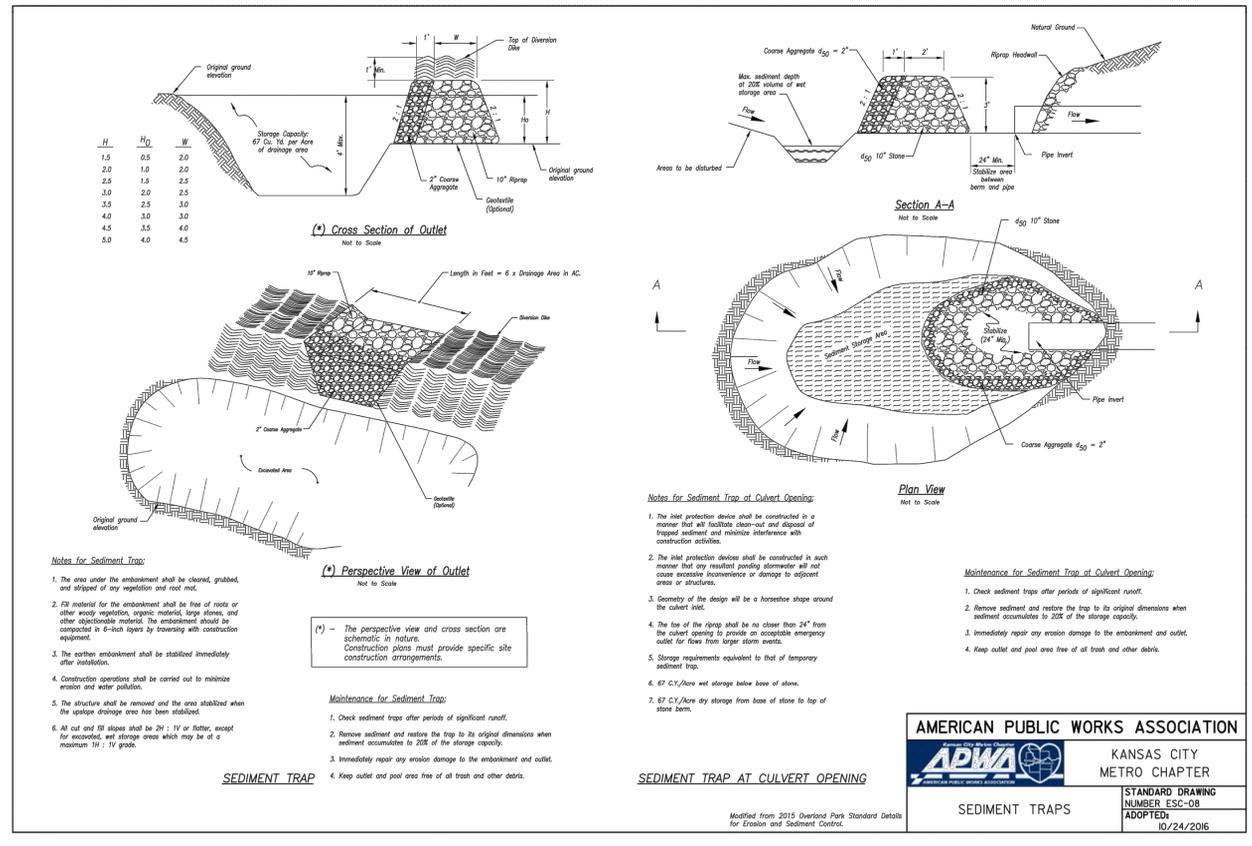
1. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE ENTRANCE OF SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEW AS TO CAUSE A SAFETY HAZARD.
2. ALL POSTED DOCUMENTS REQUIRED BY THE DEPARTMENT OF NATURAL RESOURCES MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
3. CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
4. SIGN SHALL BE LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
5. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SWPPP INFORMATION SIGN
NOT TO SCALE



AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS
 STANDARD DRAWING NUMBER ESC-02
 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



Notes for Sediment Trap:

1. The area under the embankment shall be cleared, grubbed, and stripped of any vegetation and root mat.
2. Fill material for the embankment shall be free of roots or other woody vegetation, organic material, large stones, and other objectionable material. The embankment shall be compacted in 6-inch layers by brooming with construction equipment.
3. The earthen embankment shall be stabilized immediately after installation.
4. Construction operations shall be carried out to minimize erosion and water pollution.
5. The structure shall be removed and the area stabilized when the upslope drainage area has been stabilized.
6. All cut and fill slopes shall be 2H : 1V or flatter, except for excavated wet storage areas which may be at a maximum 1H : 1V grade.

Notes for Sediment Trap:

1. Check sediment traps after periods of significant runoff.
2. Remove sediment and restore the trap to its original dimensions when sediment accumulates to 20% of the storage capacity.
3. Immediately repair any erosion damage to the embankment and outlet.
4. Keep outlet and pool area free of all trash and other debris.

Maintenance for Sediment Trap of Culvert Opening:

1. Check sediment traps after periods of significant runoff.
2. Remove sediment and restore the trap to its original dimensions when sediment accumulates to 20% of the storage capacity.
3. Immediately repair any erosion damage to the embankment and outlet.
4. Keep outlet and pool area free of all trash and other debris.

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 STANDARD DRAWING NUMBER ESC-08
 ADOPTED: 10/24/2016
 SEDIMENT TRAPS

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



REV. NO.	DATE	DESCRIPTION
1	02/15/2022	REVISED PER CITY COMMENTS

STANDARD DETAILS
 LAND DISTURBANCE PLANS
 CHURCH AT WARD RD, L.L.C.
 1251 NW WARD ROAD
 LEE'S SUMMIT, MO

drawn by: _____ HL
 checked by: _____ MO
 approved by: _____ BL
 QA/QC by: _____ MAP
 project no.: 021-05070
 drawing no.: C-DTL01_02105070
 date: 2022.02.15

RELEASED FOR CONSTRUCTION
 As Noted on Plans Review
 Development Services Department
 Lee's Summit, Missouri
 03/04/2022