LAND DISTURBANCE PLANS FOR

LEE'S SUMMIT MIDDLE SCHOOL #4

SOUTH SIDE SE BAILEY ROAD AND COUNTRY LANE NE 1/4 OF SECTION 16, TOWNSHIP 47 NORTH, RANGE 31 WEST LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

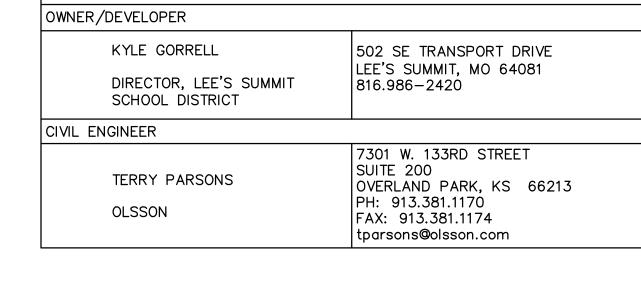
Sheet List Table							
Sheet Number	Sheet Title						
1	COVER SHEET						
2	GENERAL NOTES						
3	GRADING PLAN						
4	EROSION CONTROL PLAN - PRE DISTURBANCE						
5	EROSION CONTROL PLAN - PRE DISTURBANCE						
6	EROSION CONTROL PLAN - MASS GRADING						
7	EROSION CONTROL PLAN -MASS GRADING						
8	EROSION CONTROL PLAN - FINAL STABILIZATION						
9	EROSION CONTROL PLAN - FINAL STABILIZATION						
10	SILTATION BASIN 1 GRADING DETAIL						
11	SILTATION BASIN 2 GRADING DETAIL						
12	EROSION CONTROL DETAILS						
13	EROSION CONTROL DETAILS						
14	EROSION CONTROL DETAILS						
	· · · · · · · · · · · · · · · · · · ·						



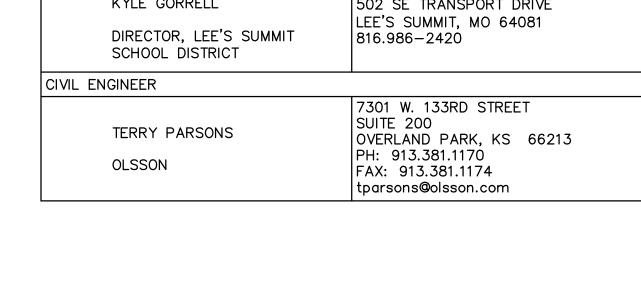
NOT TO SCALE

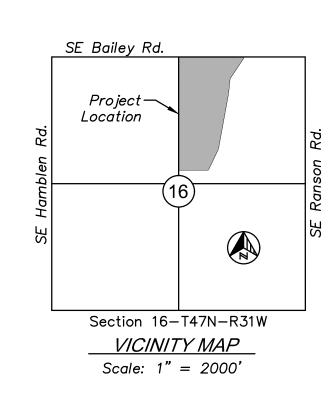
LEGAL DESCRIPTION:

All that part of Northeast Quarter of Section 16, Township 47 North, Range 31 West, in the City of Lee's Summit, Jackson County, Missouri, as described by Timothy Blair Wiswell, Missouri Professional Licensed Surveyor, PLS—2009000067, and being more particularly described as follows: COMMENCING at the Northwest corner of the Northeast Quarter, of said Section 16—T47N—R31W; thence South 02 degrees 20 minutes 19 seconds West, along the West line of said Northeast Quarter, a distance of 20.00 feet, to a point on the South Right—of—Way line of Bailey Road as now established, said point also being the Northeast corner of Lot 164 of Newberry Second Plat, Lots 1—65, 163 and 164, a subdivision in the City of Lee's Summit, Jackson County, Missouri; thence South 88 degrees 07 minutes 48 seconds East, on the South Right-of-Way line of said Bailey Road, a distance of 1,350.00 feet, to a point; thence South 35 degrees 20 minutes 58 seconds West, departing the South Right-of-Way line of said Bailey Road, a distance of 517.08 feet, to a point; thence South 07 degrees 56 minutes 53 seconds West, a distance of 320.18 feet, to a point; thence South 12 degrees 12 minutes 42 seconds West, a distance of 1,168.07 feet, to a point; thence South 27 degrees 41 minutes 50 seconds West, a distance of 480.35 feet, to a point on a line that is 300.00 feet North of and parallel to the South line of said Northeast Quarter; thence North 88 degrees 04 minutes 43 seconds West, on said parallel line, a distance of 630.96 feet, to a point on the West line of said Northeast Quarter, said point also being on the East line of Newberry Fourth Plat, a subdivision in the City of Lee's Summit, Jackson County, Missouri; thence North 02 degrees 20 minutes 19 seconds East, on the West line of said Northeast Quarter, and on the East line of said Newberry Fourth Plat, and on the East line of Newberry Third Plat, a subdivision in the City of Lee's Summit, Jackson County, Missouri, and on the East line of said Newberry Second Plat, Lots 1-65, 163 and 164, a distance of 2,330.63 feet, to the POINT OF BEGINNING, containing 2,250,248 square feet or 51.6586 acres, more or less.



DEVELOPMENT TEAM CONTACT INFORMATION







QA/QC by: ENG project no.: 020-0103 drawing no.: C GEN01 0200103 date: 06.10.20

SHEET of 14

Certificate of Authority

GENERAL NOTES:

- 1. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE". 1(800)344-7483 OR 811 AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES. !!STOP!! CALL BEFORE YOU DIG!!
- 2. THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER AND ENGINEER.
- 3. ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
- 4. ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES AND FOR BRINGING THE PROJECT TO THE LINES AND GRADES SHOWN HEREIN. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO FULFILL THE PLANS IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE EARTHWORK QUANTITIES AND TO ACCOUNT FOR HAUL IN OR HAUL OFF OF MATERIAL AS NECESSARY TO MEET THE LINES AND GRADES OF THE PLANS EVEN IF QUANTITY ESTIMATES ARE SHOWN WITHIN THESE DOCUMENTS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR IMPORT OR EXPORT OF MATERIAL OR FOR ADJUSTMENTS TO QUANTITY ESTIMATES.
- 5. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE AMERICAN PUBLIC WORKS ASSOCIATION - KANSAS CITY METROPOLITAN CHAPTER (APWA-KC) AND THE CITY OF LEE'S SUMMIT, MO, EXCEPT WHERE SHOWN OTHERWISE. NOTIFY ENGINEER OF DISCREPANCIES.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, PAYING ALL FEES AND FOR OTHERWISE COMPLYING WITH ALL APPLICABLE REGULATIONS GOVERNING THE WORK.
- 7. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF MISSOURI STATE LAW WHICH REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM UTILITY COMPANIES.
- 8. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.
- 9. THE CONTRACTOR SHALL LIMIT THE REMOVAL OF TREES TO THE LIMITS OF DEMOLITION SHOWN ON THE DEMOLITION PLAN.
- 10. CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
- 11. ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- 12. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS ARE TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF SURFACE EROSION DURING CONSTRUCTION AND UNTIL THE OWNER ACCEPTS THE WORK AS COMPLETE. EROSION CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, THE SILT FENCES AND GRAVEL FILTER BAGS SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE FOR THE DURATION OF THE SITE IMPROVEMENTS.
- 14. ALL HDPE PIPE SHALL BE ADS (N—12) OR APPROVED EQUAL, AND CONFORM TO AASHTO M294 SPECIFICATIONS. ALL PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 15. IF PRECAST CONCRETE STORM SEWER STRUCTURES ARE TO BE USED ON THIS PROJECT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND HAVE THEM APPROVED BY THE ENGINEER PRIOR TO FABRICATION OF THE STRUCTURES. FAILURE TO DO SO SHALL BE CAUSE FOR REJECTION.
- 16. EXISTING TOPSOIL SHALL BE STRIPPED TO A POINT WHERE ALL VEGETATION IS REMOVED. REFER TO THE GEOTECHNICAL REPORT PROVIDED BY CFS ENGINEERS, PROJECT NO. 20-1074 AND DATED JUNE 8, 2020 AND ALL ADDENDUMS FOR ADDITIONAL
- 17. THE CONTRACTOR SHALL, BY HIS OWN INVESTIGATION, AND PRIOR TO COMMENCING WORK, SATISFY HIMSELF AS TO THE SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL BOUNDARY CORNERS AND SECTION CORNERS. ANY BOUNDARY CORNER AND/OR SECTION CORNER DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESET BY A LAND SURVEYOR LICENSED IN THE STATE OF MISSOURI, AT THE CONTRACTOR'S EXPENSE.
- 19. NO FEDERALLY OWNED MAILBOX MAY BE DISTURBED. THE CONTRACTOR SHALL GIVE AT LEAST TWENTY-FOUR (24) HOURS ADVANCE NOTICE TO THE MANAGER OF DELIVERY AND COLLECTIONS. TAMPERING WITH FEDERAL MAIL FACILITIES MAY SUBJECT THE CONTRACTOR TO PROSECUTION BY THE FEDERAL GOVERNMENT.
- 20. THE CONTOUR LINES SHOWN ARE FOR MASS GRADING PURPOSES.
- 21. EXISTING CONTOURS REPRESENT MASS GRADING ELEVATIONS.
- 22. THE CONTRACTOR SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN 1 FOOT VERTICAL IN 3 FEET HORIZONTAL UNLESS OTHERWISE SHOWN BY CONTOURS OR SPOT ELEVATIONS.
- 23. THE CONTRACTOR SHALL GRADE LANDSCAPED AREAS TO PROVIDE POSITIVE DRAINAGE IN THE BORROW AREA.
- 24. THE CONTRACTOR SHALL MAKE HIS OWN ASSUMPTIONS ON THE LOCATION AND CONSISTENCY OF ANY EXISTING ROCK LAYERS
- UNDERLYING THE PROJECT SITE. ALL ROCK EXCAVATION AND REMOVAL SHALL BE INCLUDED IN THE CONTRACTORS' BID.
- 25. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.
- 26. BY ACCEPTING AND UTILIZING ANY ELECTRONIC FILE OF ANY DRAWING, REPORT OR DATA TRANSMITTED BY OLSSON (OLSSON). THE RECIPIENT AGREES FOR ITSELF, ITS SUCCESSORS, ASSIGNS, INSURERS AND ALL THOSE CLAIMING UNDER OR THROUGH IT, THAT BY USING ANY OF THE INFORMATION CONTAINED IN THE ELECTRONIC FILE, ALL USERS AGREE TO BE BOUND BY THE FOLLOWING TERMS. ALL OF THE INFORMATION CONTAINED IN THIS ELECTRONIC FILE IS THE WORK PRODUCT AND INSTRUMENT OF SERVICE OF OLSSON, WHO SHALL BE DEEMED THE AUTHOR, AND SHALL RETAIN ALL COMMON LAW, STATUTORY LAW AND OTHER RIGHTS, INCLUDING COPYRIGHTS, UNLESS THE SAME HAVE PREVIOUSLY BEEN TRANSFERRED IN WRITING TO THE RECIPIENT. THE INFORMATION CONTAINED IN THE ELECTRONIC FILE IS PROVIDED FOR THE CONVENIENCE OF THE RECIPIENT AND IS PROVIDED IN "AS IS" CONDITION. THE RECIPIENT IS AWARE THAT DIFFERENCES MAY EXIST BETWEEN THE ELECTRONIC FILES AND THE PRINTED HARD-COPY ORIGINAL SIGNED AND SEALED DRAWINGS OR REPORTS. IN THE EVENT OF A CONFLICT BETWEEN THE SIGNED AND SEALED ORIGINAL DOCUMENTS PREPARED BY OLSSON AND THE ELECTRONIC FILES TRANSFERRED HEREWITH, THE SIGNED AND SEALED ORIGINAL DOCUMENTS SHALL GOVERN. OLSSON SPECIFICALLY DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ELECTRONIC FILES. IT SHALL BE THE RECIPIENT'S RESPONSIBILITY TO CONFIRM THE ACCURACY OF THE INFORMATION CONTAINED IN THE ELECTRONIC FILE AND THAT IF ACCURATELY REFLECTS THE INFORMATION NEEDED BY THE RECIPIENT. THE RECIPIENT SHALL NOT RETRANSMIT THE ELECTRONIC FILE. OR ANY PORTION THEREOF, WITHOUT INCLUDING THIS DISCLAIMER AS PART OF ANY SUCH TRANSMISSION. IN ADDITION, THE RECIPIENT AGREES TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS OLSSON, ITS OFFICERS, DIRECTORS, EMPLOYEES AND SUBCONSULTANTS AGAINST ANY AND ALL DAMAGES, LIABILITIES, CLAIMS OR COSTS, INCLUDING REASONABLE ATTORNEY'S AND EXPERT WITNESS FEES AND DEFENSE COSTS, ARISING FROM ANY CHANGES MADE BY ANYONE OTHER THAN OLSSON OR FROM ANY REUSE OF THE ELECTRONIC FILES WITHOUT THE PRIOR WRITTEN CONSENT OF OLSSON.
- 27. DESIGN PROFESSIONAL SHALL REVIEW SHOP DRAWINGS OR SAMPLES FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPTS ON THE PROJECT AND FOR COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS, AND SHALL NOT EXTEND TO MEANS OR METHODS OF CONSTRUCTION. THE DESIGN PROFESSIONAL'S REVIEW SHALL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ANY VARIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS UNLESS CONTRACTOR HAS IN WRITING CALLED DESIGN PROFESSIONAL'S ATTENTION TO EACH SUCH VARIATION AT THE TIME OF SUBMISSION, AND DESIGN PROFESSIONAL HAS GIVEN WRITTEN APPROVAL OF EACH SUCH VARIATION BY SPECIFIC WRITTEN NOTATION THEREOF INCORPORATED INTO OR ACCOMPANYING THE SHOP DRAWING OR SAMPLE; NOR WILL ANY APPROVAL BY THE DESIGN PROFESSIONAL RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS WITH CONFORMANCE TO CONTRACT DOCUMENTS.
- GENERAL CONSTRUCTION NOTE REGARDING SEQUENCING OF EROSION CONTROL ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN, EXCEPT THAT SILT FENCE WHICH IS TO BE PLACED ALONG THE BACK OF CURB FOR PROTECTION OF THE STREET. SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR UNTIL ALL UTILITIES ARE IN PLACE. THE SILT FENCE THAT IS PLACED ALONG THE BACK OF THE CURB OR RIGHT -OF-WAY WILL BE INSTALLED IMMEDIATELY AFTER THE CURB IS CONSTRUCTED. EROSION AND SEDIMENTATION CONTROLS ARE TEMPORARY AND MUST BE REMOVED BY THE CONTRACTOR AFTER CONSTRUCTION IS COMPLETE AND THE DISTURBED AREA IS AT LEAST 70% PERMANENTLY VEGETATED.
- 29. HANDICAP PARKING STALLS SHALL BE SIGNED WITH CITY/ADA APPROVED SIGNAGE AND CONSTRUCTED IN STRICT ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE APWA-KC, CITY OF LEE'S SUMMIT ADA STANDARDS, AND SHALL NOT EXCEED 2.00 PERCENT IN ANY DIRECTION. ACCESSIBLE SIDEWALKS HAVE A MAXIMUM CROSS SLOPE OF 2 PERCENT AND A MAXIMUM LONGITUDINAL SLOPE OF 5 PERCENT.
- 30. ALL WATER LINES SHALL BE INSTALLED PER THE LATEST STANDARDS AND SPECIFICATIONS OF THE APWA-KC AND THE CITY OF LEE'S SUMMIT, MO. ALL WATER LINES SHALL BE A MINIMUM OF 48 INCHES BELOW THE FINISHED GRADE ELEVATIONS SHOWN HEREIN.
- 31. ALL WATER LINES SHALL BE INSTALLED PER CITY STANDARDS. ALL WATER LINES SHALL BE A MINIMUM OF 48 INCHES BELOW THE FINISHED GRADE ELEVATIONS SHOWN HEREIN.
- 32. ALL EXTERIOR CONCRETE SHALL BE KCMMB-4K AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI. SHALL MEET KCMMB STANDARDS AND SPECIFICATIONS, AND SHALL BE AIR ENTRAINED. FLYASH IS NOT A SUITABLE REPLACEMENT FOR PORTLAND
- 33. ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND.
- 34. CONCRETE PAVEMENT JOINTS SHALL BE CONSTRUCTED AS FOLLOWS (REFER TO HARDSCAPE PLANS FOR SPECIFIC TREATMENT OF
- A. CONTROL JOINTS SPACED AT INTERVALS NOT GREATER THAN 12 FEET AND TOOLED TO 1/3 THE SLAB THICKNESS.
- B. CONSTRUCTION JOINTS AT THE END OF EACH POUR AND WHEN PAVING OPERATIONS ARE SUSPENDED FOR 30 MINUTES OR MORE. C. ISOLATION JOINTS PLACED WHERE THE PAVEMENT ABUTS THE BUILDING, DRAINAGE STRUCTURES AND OTHER FIXED STRUCTURES.
- CONSTRUCTED WITH A 1/2" NONEXTRUDING FILLER, CLOSED-CELL FOLSSONM RUBBER OR A BITUMEN-TREATED FIBER-BOLSSONRD, AND WITH A THICKENED EDGE, INCREASED BY 20 PERCENT, TAPERED TO THE REGULAR THICKNESS IN 5 FEET.
- D. ALL EXPANSION JOINTS SHALL BE FILLED AND SEALED WITH A PLASTIC JOINT SEALANT MATERIAL.
- 35. TELEPHONE AND COMMUNICATION SERVICE ROUTING AND CONDUITS NOT SHOWN ON PLANS. CONTRACTOR SHALL INSTALL NECESSARY CONDUIT PRIOR TO PAVEMENT INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING AND INSTALLATION SCOPE WITH SERVICE PROVIDER.
- 36. ANY CONTRACTOR BIDDING ANY PORTION OF THIS WORK SHALL HAVE IN HIS OR HER POSSESSION A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND BE FAMILIAR WITH ALL SCOPES OF WORK AND TRADES TO UNDERSTAND THEIR
- 37. EXISTING TOPSOIL SHALL BE STRIPPED TO A POINT WHERE ALL VEGETATION IS REMOVED. REFER TO THE GEOTECHNICAL REPORT PROVIDED BY OLSSON DATED 01/09/2019 AND ALL ADDENDUMS.
- 38. SITE PREPARATION, GRADING AND EXCAVATION PROCEDURES SHALL CONFORM TO THE RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL REPORT PREPARED BY OLSSON DATED 01/09/2019 AND ALL ADDENDUMS.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION & SEDIMENT CONTROL MEASURES AND PRACTICES THROUGHOUT THE PROJECT. ANY AND ALL FINES ASSOCIATED WITH EROSION CONTROL VIOLATIONS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- 2. EROSION CONTROL IS THE CONTRACTOR'S RESPONSIBILITY. THIS PLAN SHOULD BE USED AS A GUIDE AND REPRESENTS THE MINIMUM EROSION CONTROL DEVICES REQUIRED.
- 3. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
- 4. CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND REPAIRING ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH RAINFALL EVENT.
- 5. THE CONTRACTOR SHALL PROVIDE ANY FURTHER EROSION CONTROL MEASURES IN ADDITION TO THOSE LISTED TO ENSURE THAT SILT WILL NOT LEAVE THE PROJECT CONFINES.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED WITH A HEALTHY STAND OF PERMANENT VEGETATION.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AT COMPLETION OF CONSTRUCTION.
- 8. THE CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, FLUMES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
- THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY STABILIZATION AS REQUIRED.
- 10. THE CONTRACTOR SHALL LEAVE THE EROSION CONTROL DEVICES AROUND ALL FIELD INLETS AT THE COMPLETION OF THE PROJECT.
- 11. THE CONTRACTOR SHALL PROVIDE AN INGRESS/EGRESS TRACKING PAD FOR VEHICULAR TRAFFIC AT A LOCATION APPROVED BY THE OWNERS REPRESENTATIVE.
- 12. ALL EROSION CONTROL DEVICES SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND DESIGN CRITERIA OF THE ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS, CITY OF BLUE SPRINGS, MISSOURI AND THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, WATER POLLUTION CONTROL DIVISION, MOST CURRENT EDITIONS.
- 13. AT ANY TIME DURING CONSTRUCTION THE CITY ENGINEER MAY REQUIRE ADDITIONAL EROSION/SILTATION CONTROL MEASURES TO BE INSTALLED IN ORDER TO ADDRESS PROBLEM SITUATIONS OBSERVED ON THE SITE. WHEN REQUIRED SUCH MEASURES SHALL BE INSTALLED WITHIN 48 HOURS OF THE CITY ENGINEER'S VERBAL OR WRITTEN ORDER.
- 14. PROPOSED CONTOURS SHOWN ARE TO FINISH GRADE AND REFLECT SURFACE ELEVATIONS OF PAVEMENT AND LANDSCAPED AREAS AROUND BUILDINGS. THE CONTRACTOR SHALL ADJUST FOR PAVEMENT AND LANDSCAPED MATERIALS AS REQUIRED.
- 15. THE CONTRACTOR SHALL PLACE SEED AND TURF REINFORCEMENT EXCELSIOR BLANKETS (OR OTHER APPROVED EQUAL EROSION CONTROL BLANKETS) ON ALL SLOPES 6:1 AND GREATER.
- 16. SEED ALL DISTURBED AREA PER CITY STANDARDS AND SPECIFICATIONS.

CONTROL INFORMATION:

BASIS OF COORDINATES SHOWN HEREON ARE BASED ON MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, AND SCALED TO GROUND COORDINATES UTILIZING A COMBINED ADJUSTMENT FACTOR OF 0.9998986, HOLDING JACKSON COUNTY GPS CONTROL POINT JA-45 AS A BASE POINT. DISTANCES SHOWN HEREON ARE GROUND DISTANCES IN US SURVEY FEET.

<u>MO DNR JA-45:</u> KC METRO ALUMINUM GRS DISK SET IN CONCRETE ±3"

BELOW PAVEMENT ON SHOULDER OF SE RANSON RD. STAMPED "JA-45". N: 994990.346 E: 2834265.611

ELEV.: 1046.26'

SET 1/2" REBAR WITH OLSSON CONTROL CAP. SET IN THE GRASS ON THE NORTH SIDE OF SE BAILEY RD. N: 993598.83 E: 2831586.70

ELEVATION: 1032.16'

- 1. SW 66.88' TO THE NE CORNER OF THE CONCRETE SIDEWALK ON THE SOUTH SIDE OF SE BAILEY RD.
- 2. SSW 82.19' TO THE CENTER OF A POWER POLE ON THE SOUTH SIDE OF SE BAILEY RD.
- 3. EAST 254.38' TO THE NW CORNER OF A CONCRETE
- CURB INLET ON THE NORTH SIDE OF SE BAILEY RD. 4. EAST ±298' TO THE CENTERLINE OF COUNTRY LN. ON THE NORTH SIDE OF SE BAILEY RD.

SET 1/2" REBAR WITH OLSSON CONTROL CAP. SET IN THE GRASS ON THE NORTH SIDE OF SE BAILEY RD. N: 993561.11

E: 2832755.84 ELEVATION: 1014.26'

- 1. EAST 80.94' TO THE NW CORNER OF A CONCRETE CURB INLET ON THE NORTH SIDE OF SE BAILEY RD. 2. SE 91.53' TO THE SW CORNER OF A CONCRETE CURB
- INLET ON THE SOUTH SIDE OF SE BAILEY RD. 3. NE 94.82' TO THE SW CORNER OF A CONCRETE

THE NORTH SIDE OF SE BAILEY RD.

OVERFLOW STRUCTURE ON THE SOUTH SIDE OF A POND ON THE NORTH SIDE OF SE BAILEY RD. 4. WEST ±871' TO THE CENTERLINE OF COUNTRY LN. ON

OLSSON #102: SET 1/2" REBAR WITH OLSSON CONTROL CAP. SET IN THE GRASS ±58' EAST OF THE EAST END OF SE 15TH ST. N: 992084.37 E: 2831530.63

ELEVATION: 1012.56'

- 1. NW 67.97' TO THE CENTER OF A WATER VALVE ON THE NORTH SIDE OF SE 15TH ST.
- 2. WEST 59.33' TO THE CENTER OF A SANITARY MANHOLE ON THE SOUTH SIDE OF SE 15TH ST.
- 3. WSW 57.28' TO THE SE CORNER OF THE EAST END OF THE CONCRETE SIDEWALK ON THE SOUTH SIDE OF SE
- 4. NORTH ±15' TO THE EASTERLY PROLONGATION OF THE CENTERLINE OF SE 15TH ST.

SET 1/2" REBAR WITH OLSSON CONTROL CAP. SET IN THE GRASS ±62' EAST OF THE EAST END OF SE CAPE DR. N: 991553.72

E: 2831514.48 ELEVATION: 1000.43'

1. NW 76.12' TO THE CENTER OF A TELEPHONE PEDESTAL

- ON THE NORTH SIDE OF SE CAPE DR. 2. SW 67.00' TO THE CENTER OF A WATER VALVE ON THE SOUTH SIDE OF SE CAPE DR.
- 3. SW 70.06' TO THE SE CORNER OF THE EAST END OF THE CONCRETE SIDEWALK ON THE SOUTH SIDE OF SE
- 4. NORTH ±4' TO THE EASTERLY PROLONGATION OF THE CENTERLINE OF SE CAPE DR.

BASIS OF ELEVATIONS SHOWN HEREON ARE BASED UPON NAVD '88 UTILIZING MODOT'S CONTINUOUSLY MONITORED GNSS SYSTEM AND HOLDING THE ELEVATION OF JA-45 ELEVATION 1046.26'

OLSSON BENCHMARK #1:

SET CHISELED SQUARË CUT ON CENTER FRONT FACE OF A CURB INLET ON NORTH SIDE OF SE BAILEY RD. ±42' WEST OF COUNTRY LN.

ELEVATION: 1028.43' OLSSON BENCHMARK #2:

SET CHISELED SQUARË CUT ON SE CORNER OF OVERFLOW STRUCTURE ON SOUTH SIDE OF POND ON NORTH SIDE OF SE BAILEY RD. ±962' EAST OF COUNTRY LN. ELEVATION: 1017.13'

OLSSON BENCHMARK #3: SET CHISELED "+" CUT ON SSE FLANGE BOLT OF FIRE HYDRANT IN THE NW QUADRANT OF THE INTERSECTION OF SE 15TH ST. AND SE DALTON DR. ELEVATION: 1016.27'

OLSSON BENCHMARK #4: SET CHISELED SQUARE CUT ON EDGE OF SIDEWALK AT THE WEST CENTER OF A CURB INLET IN THE NW QUADRANT OF THE INTERSECTION OF SE CAPE DR. AND SE DALTON DR. ELEVATION: 999.24'



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

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW NOTICE. CALL 1-800-DIG-RITE. DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI

08/26/2020

1MI TERRYM. PARSONS NUMBER PE-2018010505 08/14/2020

> Olsson Missouri State Certificate of Authority #001592

checked by: approved by: QA/QC by: project no.: drawing no.: <u>C_GEN01_0200103</u> date: 06.10.20

> SHEET of 14



133rd Street, Suite 200

TERRYM.
PARSONS
NUMBER
PE-2018010505
ONAL ENGINEER

Olsson Missouri State Certificate of Authority #001592

REV. DATE REVISIONS DESCRIPTION

1 08.14.2020 REVISED PER CITY COMMENTS

1 08.14.2020 REVISED PER CITY COMMENTS

AIT MIDDLE SCHOOL #4
AD AND SE COUNTRY LANE

LEE'S SUMMIT N SE BAILEY ROAD AI JMMIT, MISSOURI

drawn by:

checked by:
approved by:

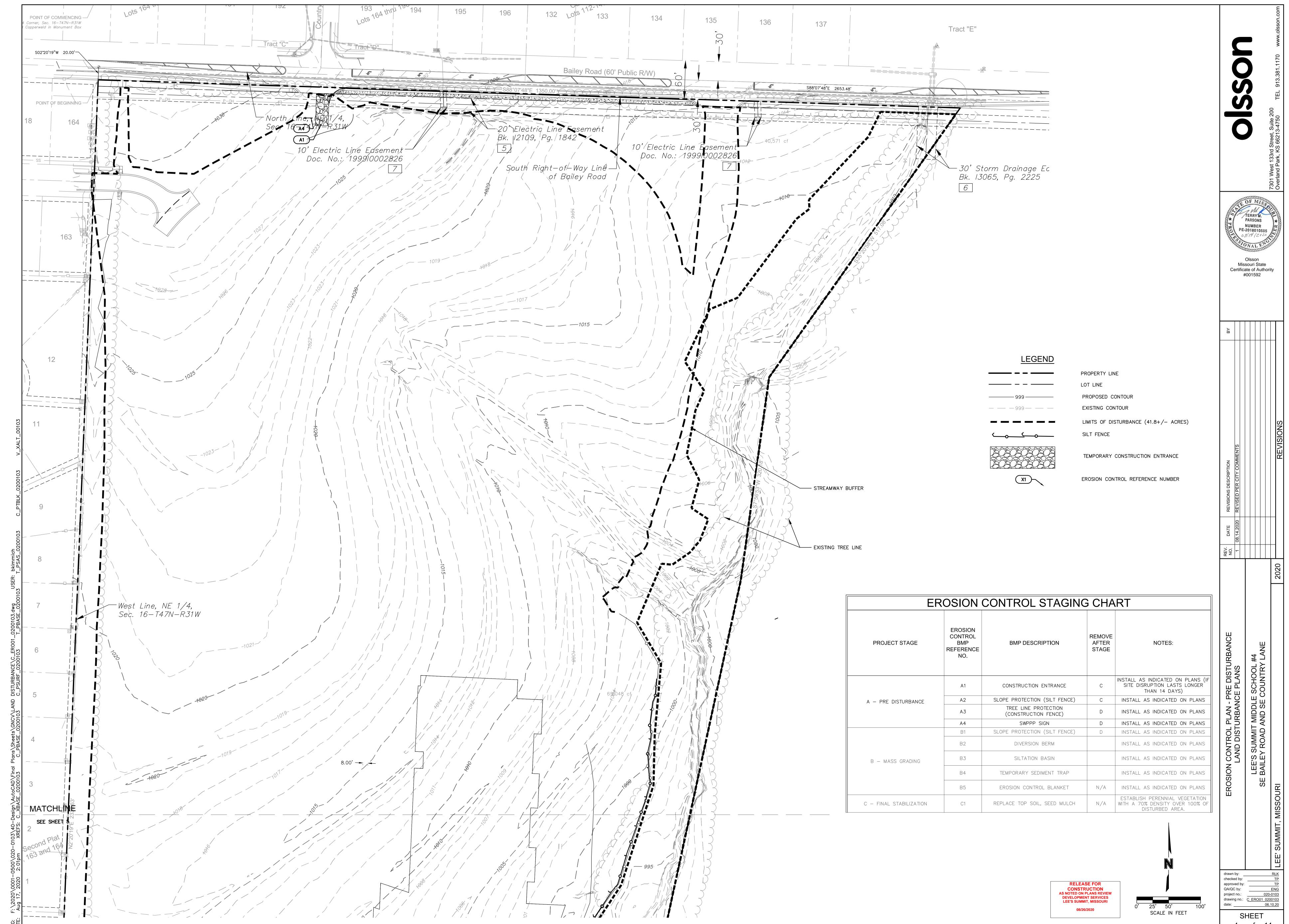
QA/QC by:
project no.:

C GRD01 0200103

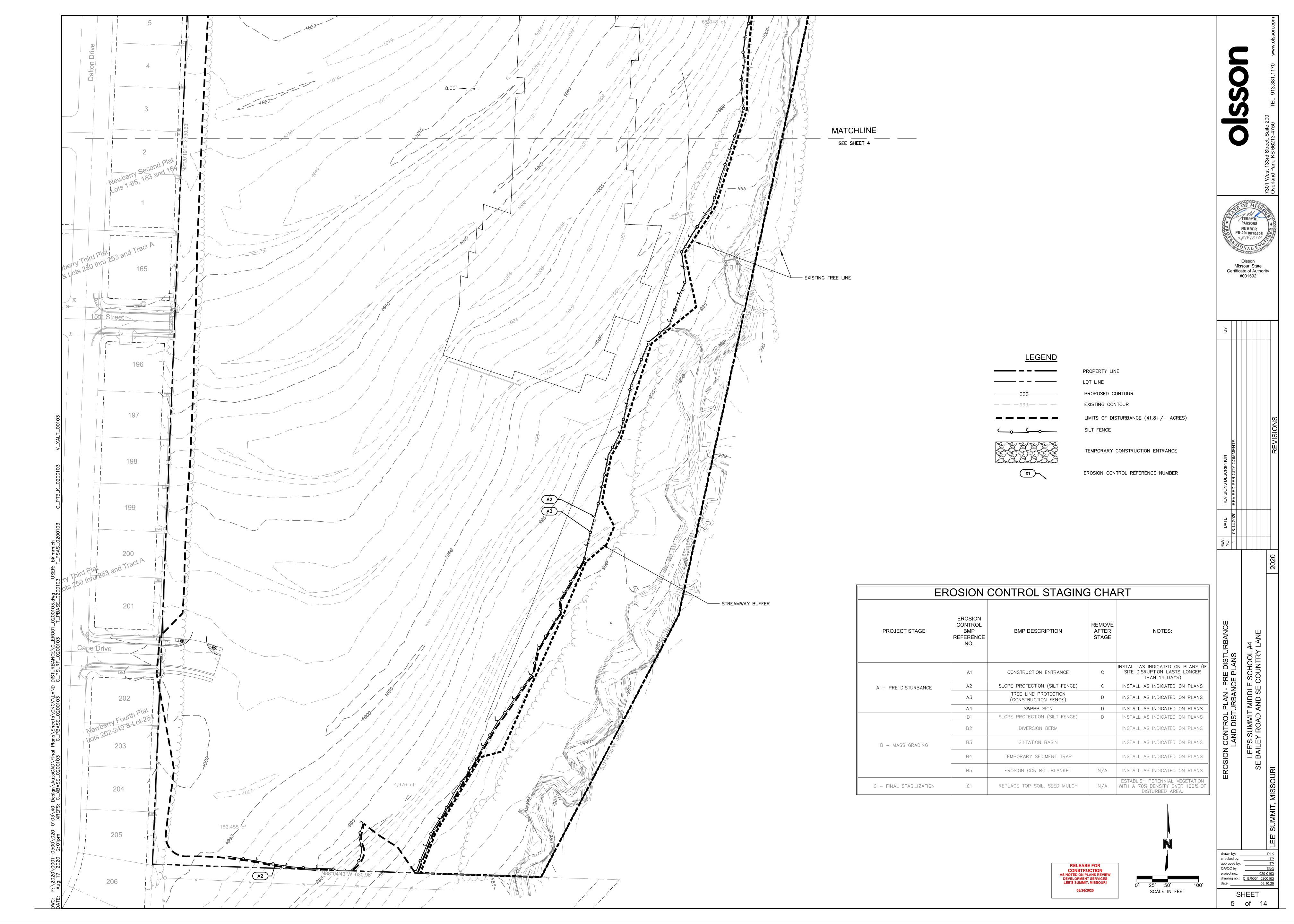
drawing no.:

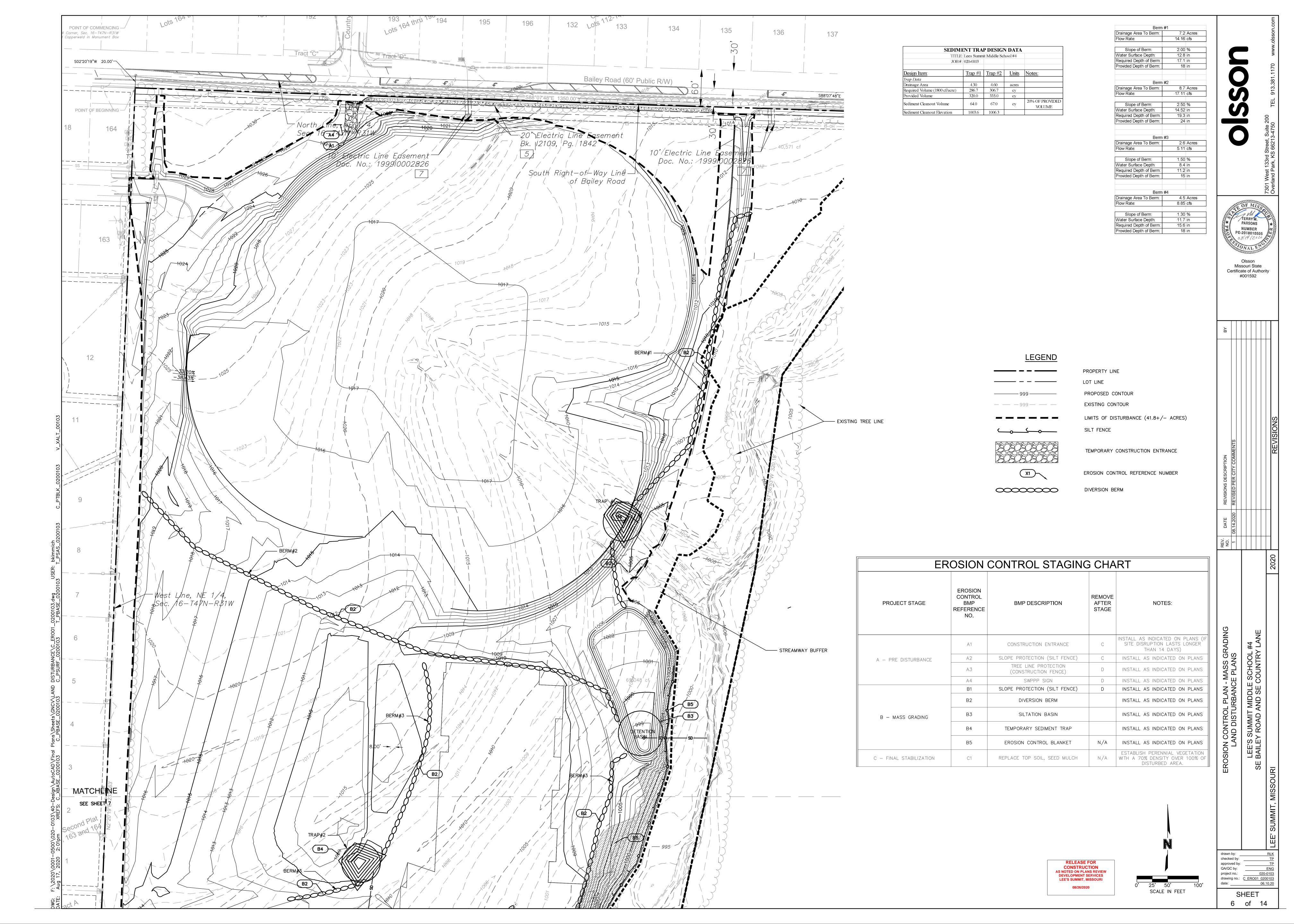
C GRD01 0200103

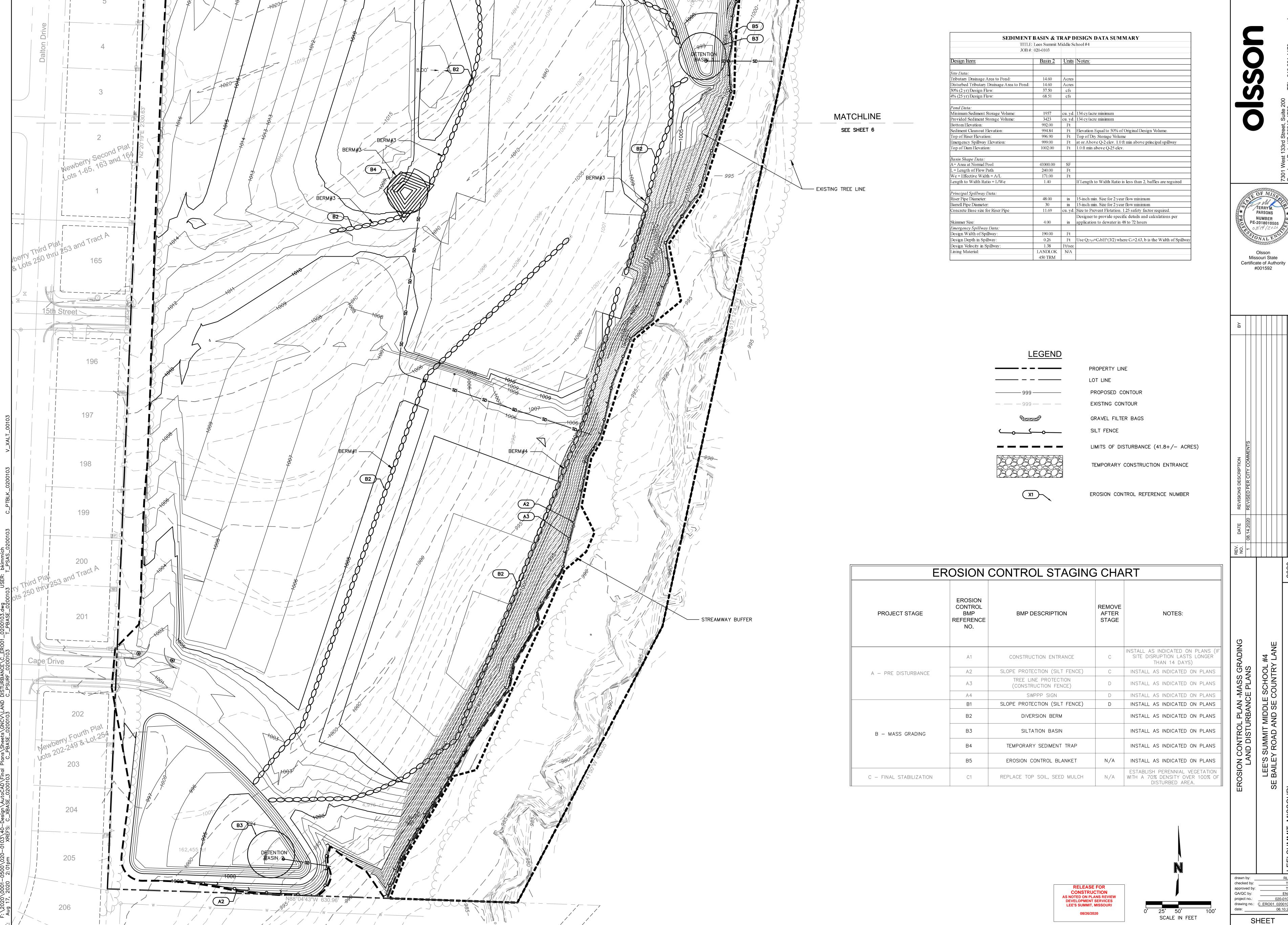
SHEET 3 of 14



4 of 14







TERRYM.
PARSONS
NUMBER
PE-2018010505
0 8/19/2020

drawing no.: <u>C_ERO01_0200103</u>

of 14



SHEET of 14



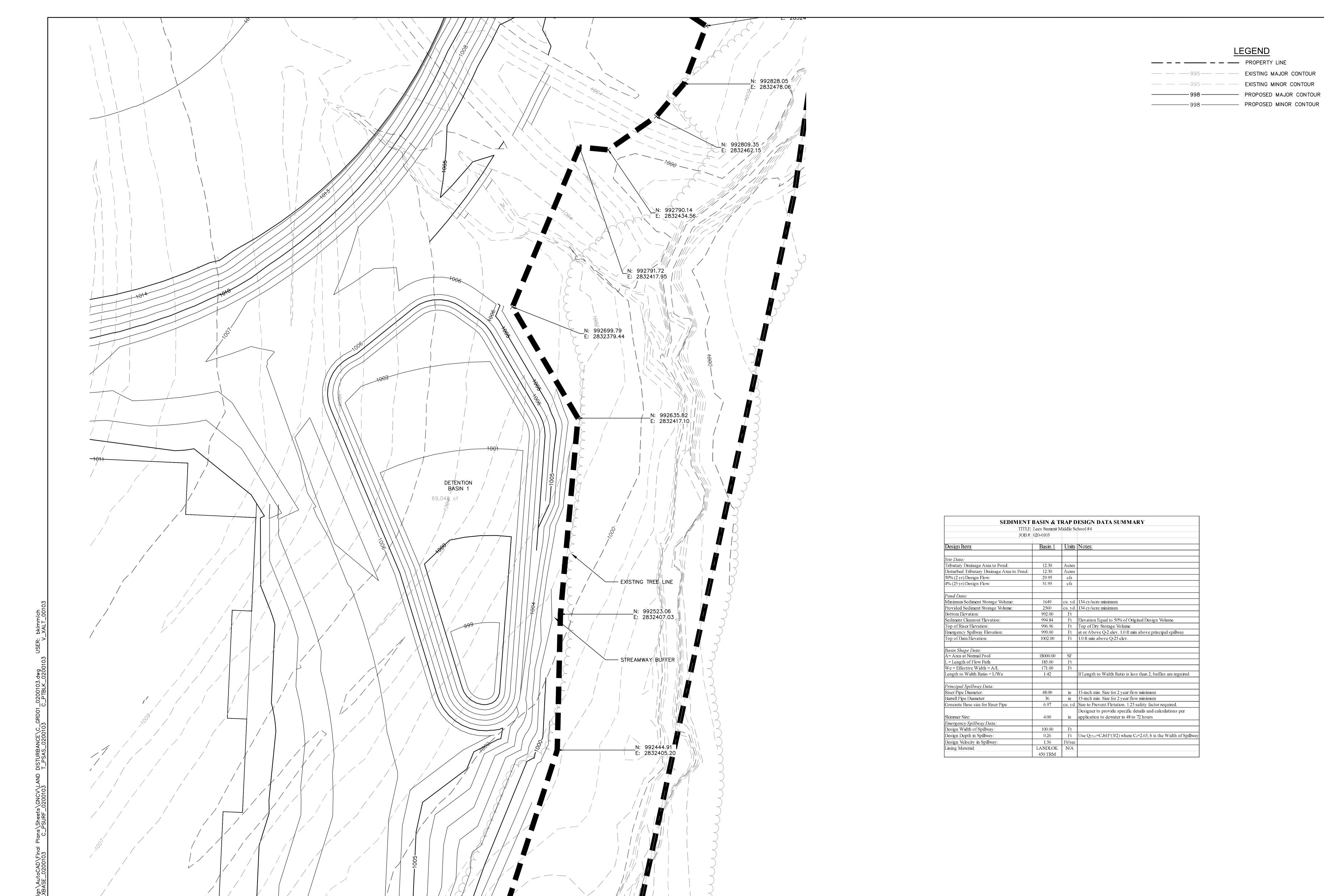


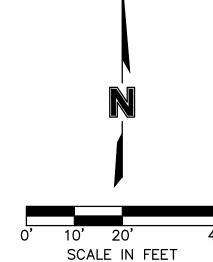
Olsson Missouri State Certificate of Authority #001592

4TE # 20 20	ATE REVISIONS DESCRIPTION 4.2020 REDESTRIBUTE CITY COMMENTS
	REVISIONS

drawing no.: <u>C_ERO01_0200103</u>

SHEET of 14





SCALE IN FEET

RELEASE FOR

CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

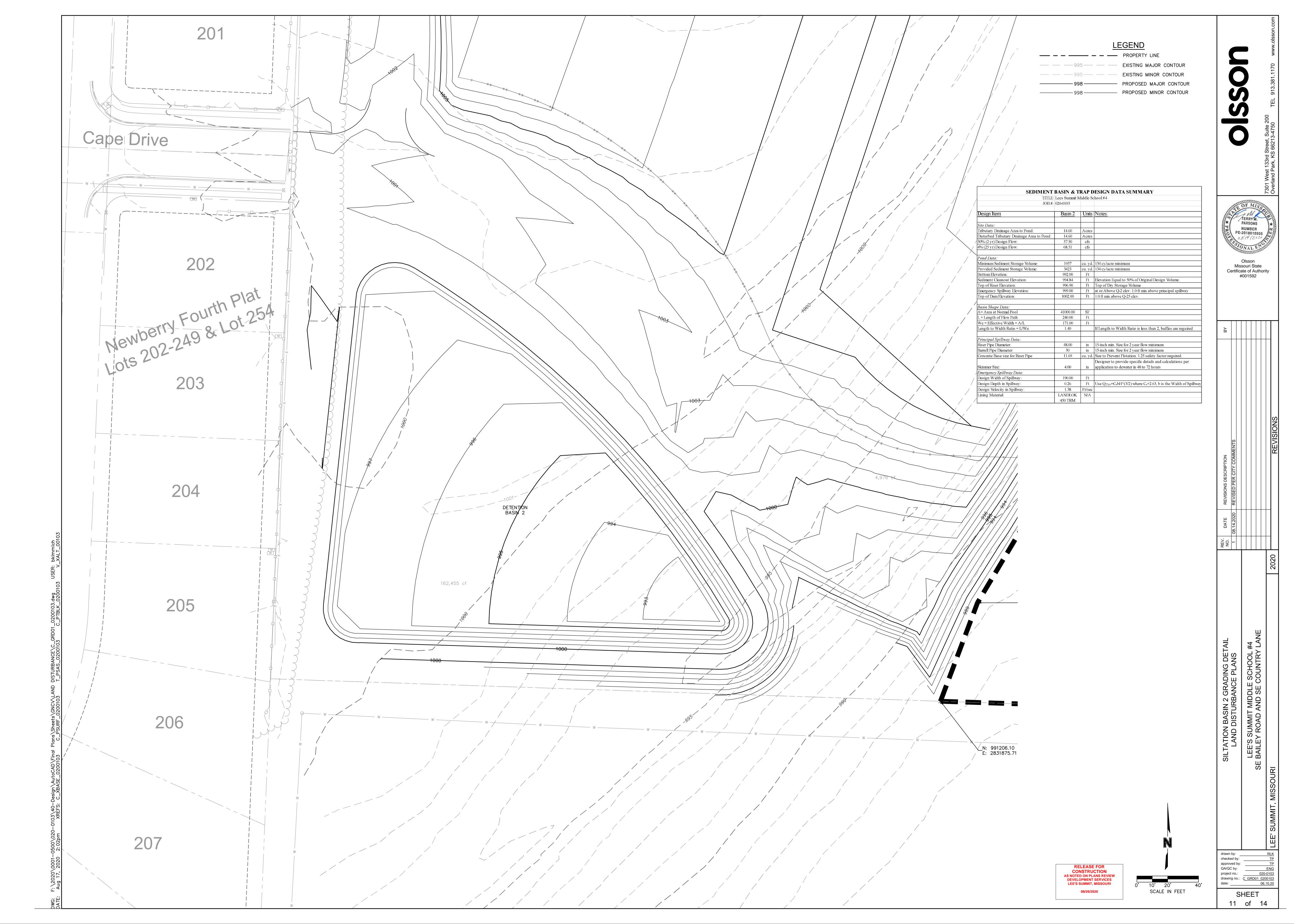
08/26/2020

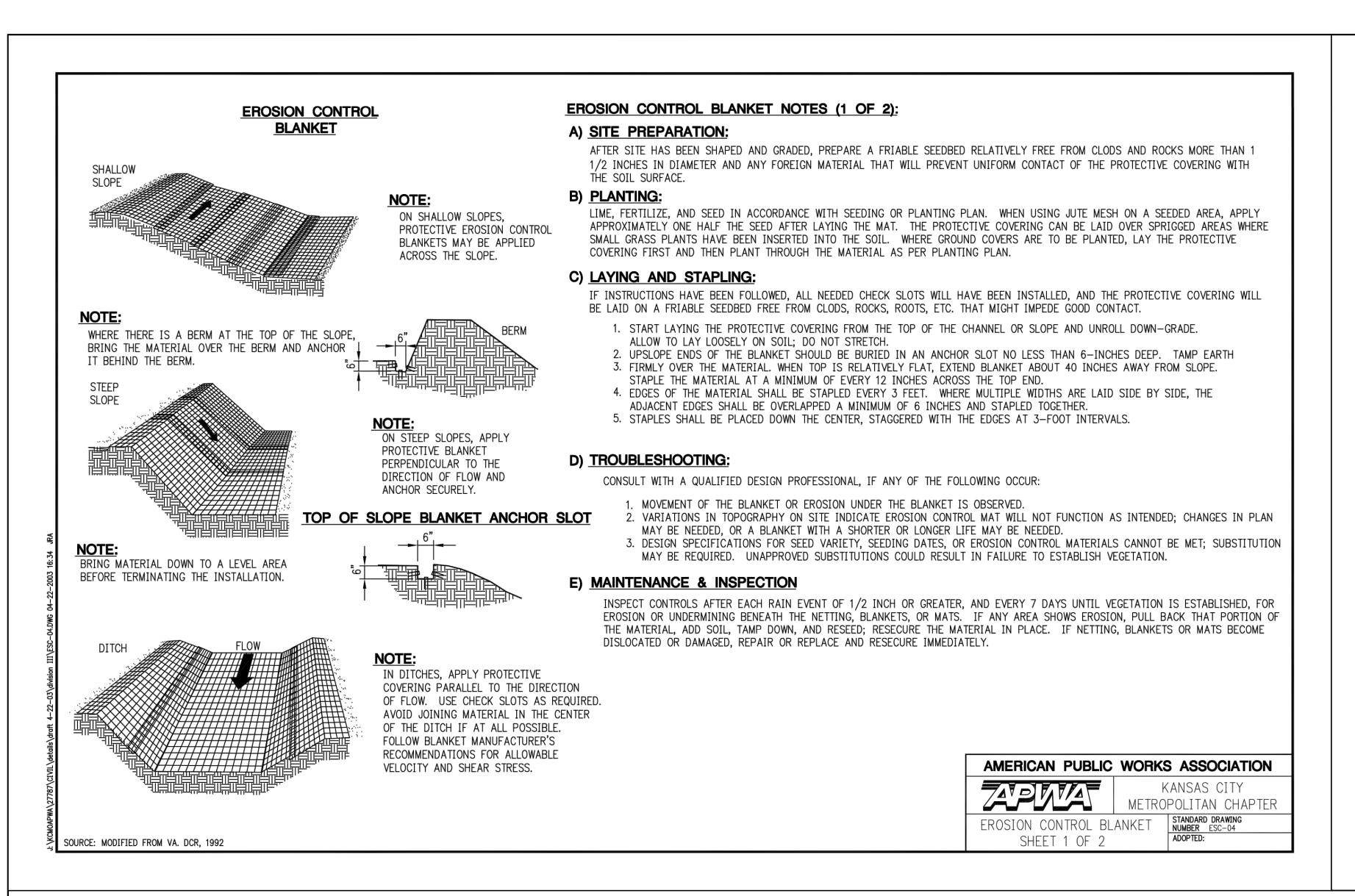
QA/QC by: <u>ENG</u> project no.: <u>020-0103</u> drawing no.: C GRD01 0200103 date: 06.10.20 SHEET

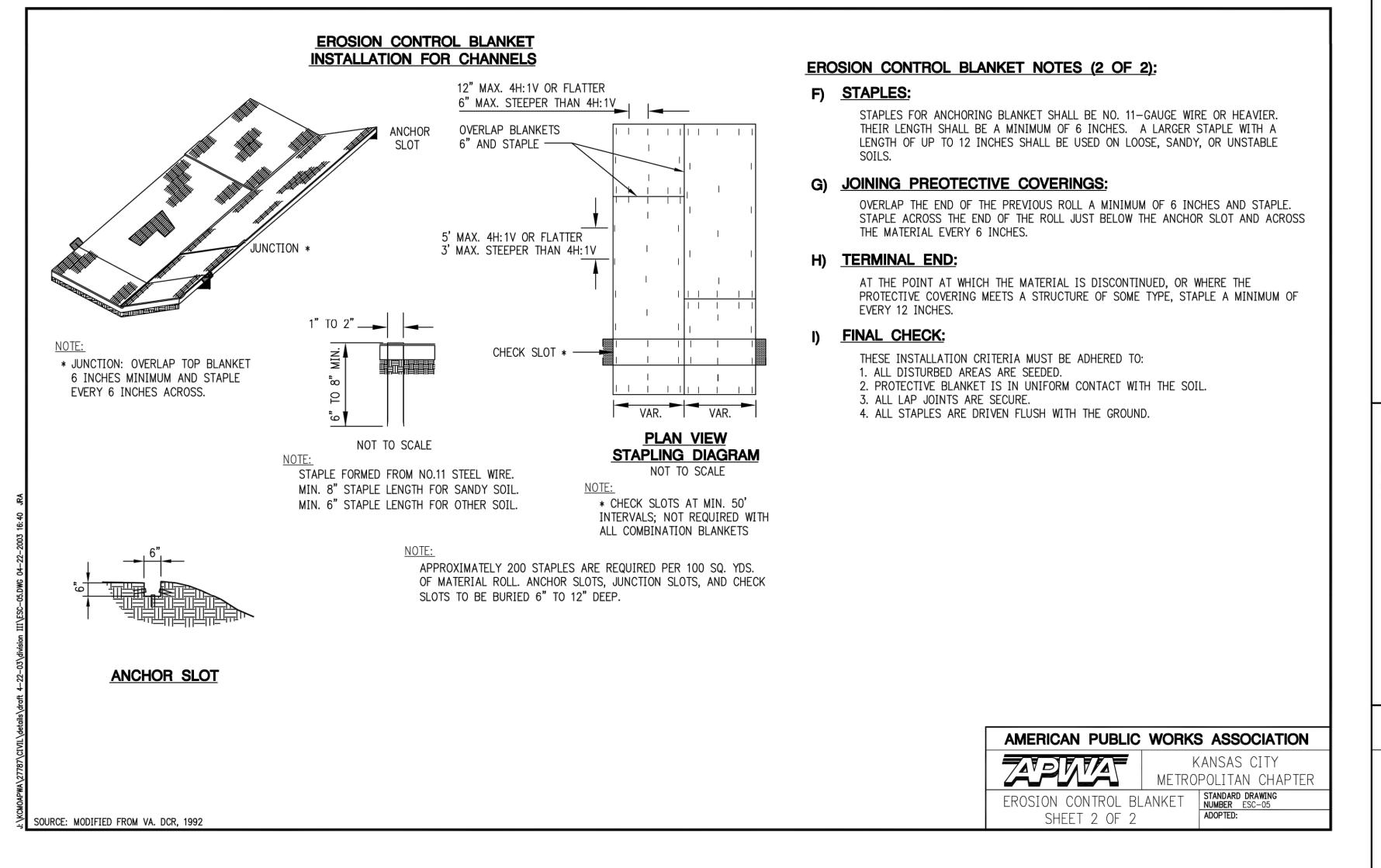
10 of 14

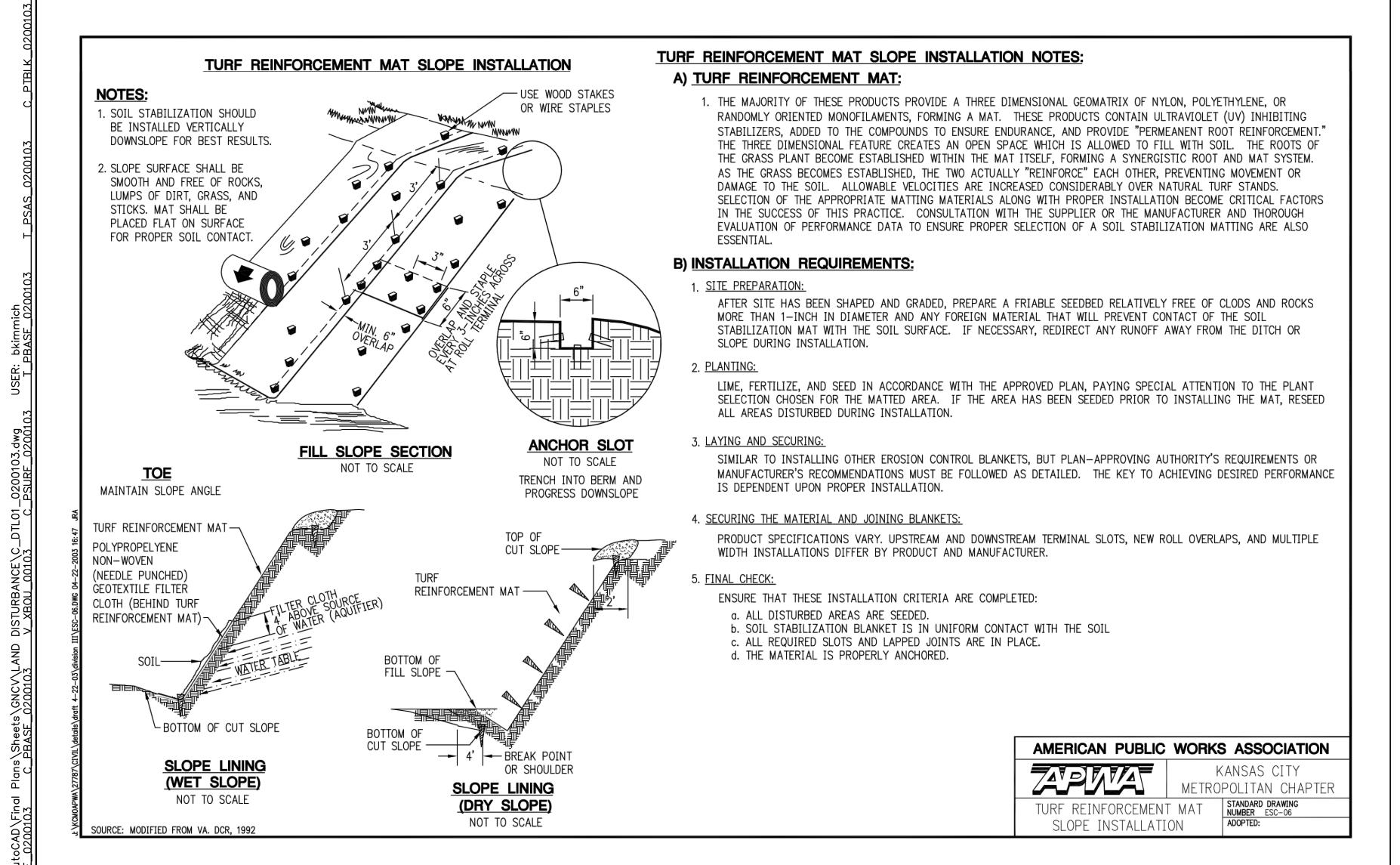
TERRYM.
PARSONS
NUMBER
PE-2018010505

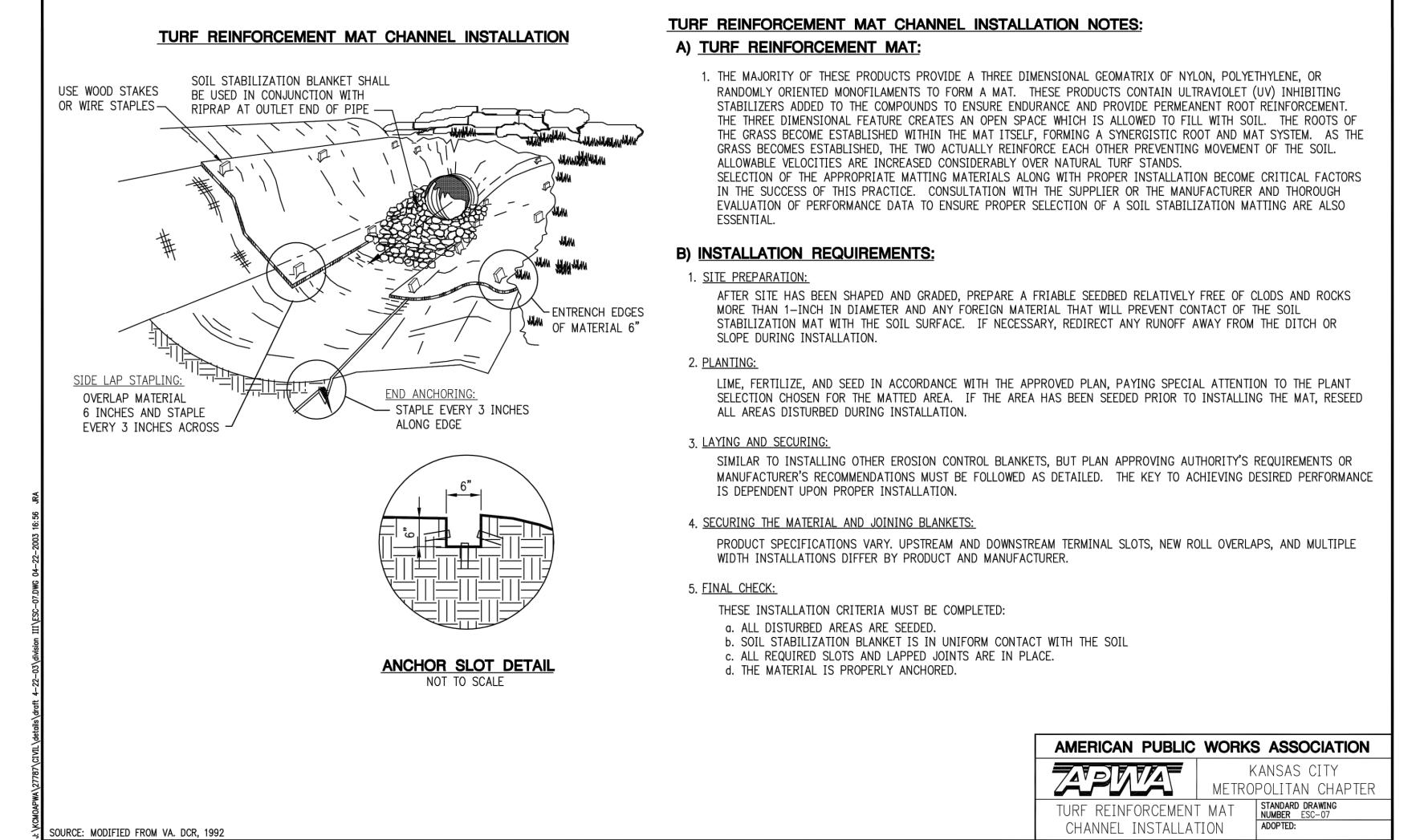
Olsson Missouri State Certificate of Authority #001592













 drawn by:
 RLK

 checked by:
 TP

 approved by:
 TP

 QA/QC by:
 ENG

 project no.:
 020-0103

 drawing no.:
 C DTL01 0200103

 date:
 06.10.20

TERRY M.

PARSONS

NUMBER

PE-2018010505

Olsson

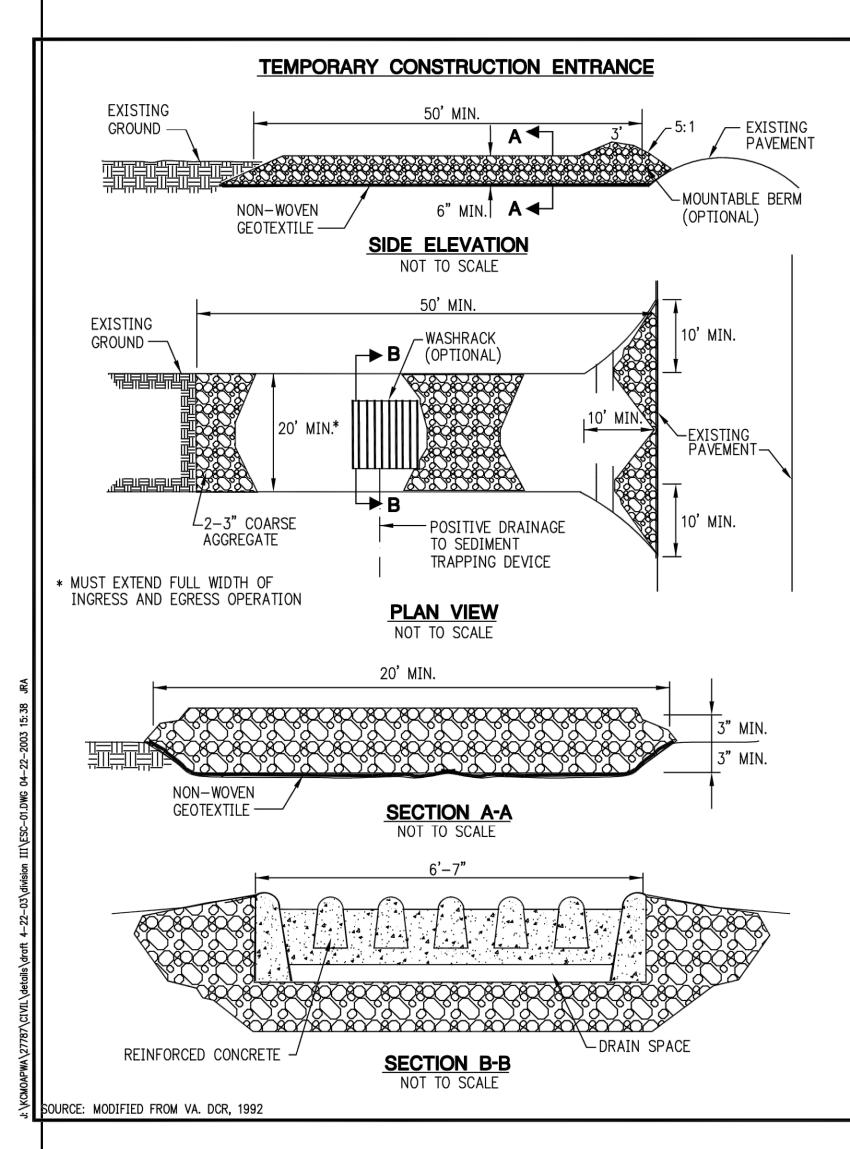
Missouri State

Certificate of Authority

#001592

08/14/202

SHEET 12 of 14



TEMPORARY CONSTRCUTION ENTRANCE PAD NOTES: A) INSTALLATION:

ROADS WILL EVENTUALLY BE CONSTRUCTED.

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

B) TROUBLESHOOTING:

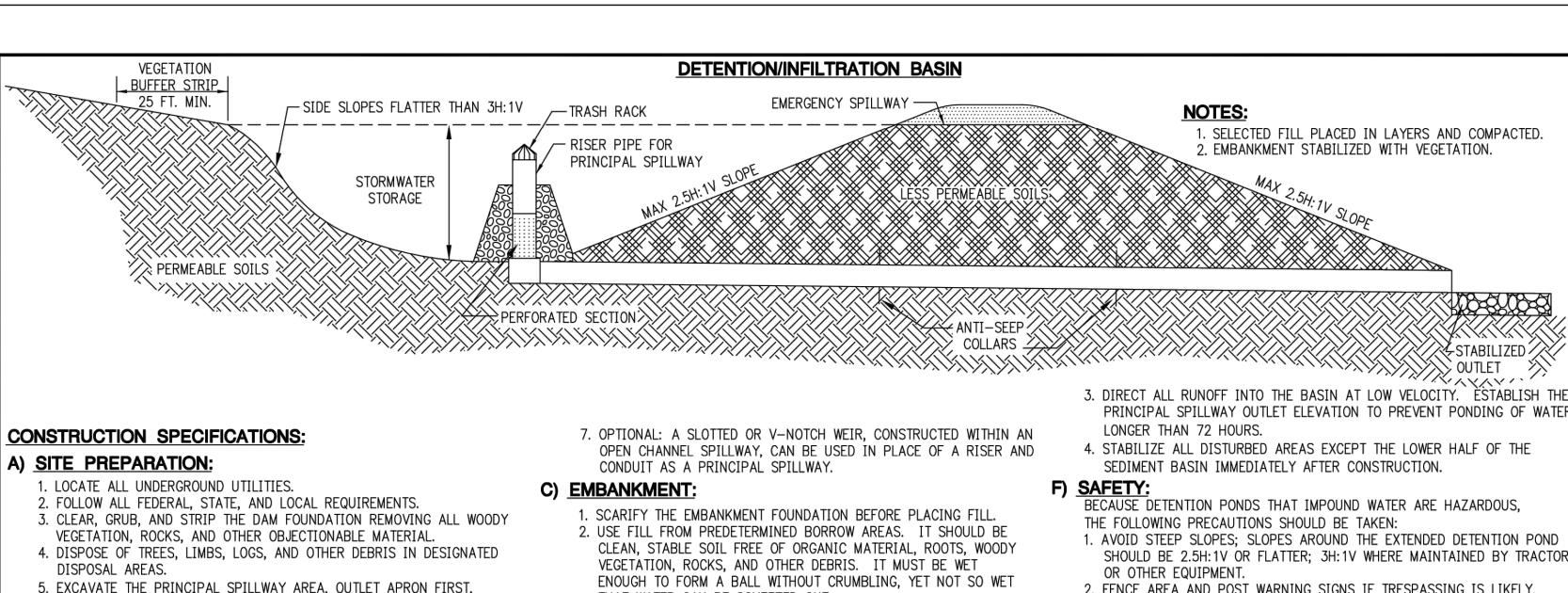
RUNOFF AWAY FROM IT.

- 1. CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
- a. INADEQUATE RUNOFF CONTROL TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROAD -INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES.
- b. 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.
- c. PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC EXTEND PAD BEYOND THE MINIMUM 50-FOOT LENGTH AS NECESSARY

C) <u>INSPECTION AND MAINTENANCE:</u>

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

AMERICAN PUBLIC	WORKS ASSOCIATION
	KANSAS CITY METROPOLITAN CHAPTE
TEMPORARY CONSTRU	STANDARD DRAWING NUMBER ESC-01 ADOPTED:



- 5. EXCAVATE THE PRINCIPAL SPILLWAY AREA, OUTLET APRON FIRST, STOCKPILING ANY SURFACE SOIL HAVING HIGH AMOUNTS OF ORGANIC
- MATTER FOR LATER USE. 6. CLEAR THE BASIN AND GRADE TO ALLOW SURFACE DRAINAGE AND TO ENCOURAGE ESTABLISHMENT OF A GOOD COVER OF VEGETATION. USE TRACKED EQUIPMENT TO AVOID COMPACTION.

B. PRINCIPAL SPILLWAY:

- 1. SITUATE THE SPILLWAY PIPE AND RISER ON A FIRM, EVEN FOUNDATION. PREPARE THE BEDDING FOR THE PIPE.
- 2. PLACE AROUND THE BARREL A 4-INCH LAYER OF MOIST, CLAYEY, WORKABLE SOIL, NOT PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR SILT: COMPACT WITH HAND TAMPERS TO AT LEAST THE DENSITY OF THE
- COMPACTING UNDER THE PIPE HAUNCHES. 3. EMBED THE RISER AT LEAST 12 INCHES INTO CONCRETE TO PROVIDE AN ANTI-FLOATATION BLOCK. THE WEIGHT OF THE CONCRETE SHOULD
- BALANCE THE BUOYANT FORCE ACTING ON THE RISER. BUOYANT FORCE = VOLUME OF RISER X 62.4 LBS/FT³
- 4. PLACE A TRASH RACK AROUND THE RISER INLET. TRASH RACKS CAN BE CONSTRUCTED BY WELDING #4 REBAR IN A GRID WITH 4- TO 6-INCH
- OPENINGS CONSTRUCT ANTI-SEEP DEVICES.
- 6. AT THE PIPE OUTLET, INSTALL A RIPRAP OR CONCRETE APRON AT LEAST
- 5 FEET WIDE AND 10 FEET LONG TO A STABLE GRADE.
- SOURCE: MODIFIED FROM MDNR, 1998

- THAT WATER CAN BE SQUEEZED OUT. 3. PLACE THE MOST PERMEABLE SOIL IN THE DOWNSTREAM TOE AND
- THE LEAST PERMEABLE IN THE CENTER PORTION OF THE DAM. 4. COMPACT THE FILL MATERIAL IN 6- TO 8-INCH, CONTINUOUS LAYERS OVER THE LENGTH OF THE DAM. CONSTRUCTION EQUIPMENT MAY BE ROUTED OVER THE DAM SO THAT EACH LAYER IS TRAVERSED BY G) INSPECTION AND MAINTENANCE
- AT LEAST ONE WHEEL OF THE EQUIPMENT). TRACKED CONSTRUCTION EQUIPMENT DOES NOT PROVIDE ADEQUATE COMPACTION.

5. PROTECT THE SPILLWAY BARREL WITH 2 FEET OF COMPACTED, HAND-TAMPED FILL BEFORE TRAVERSING OVER THE PIPE WITH EQUIPMENT.

TO ALLOW FOR SETTLING. FOUNDATION SOIL. DO NOT RAISE THE PIPE FROM THE FOUNDATION WHEN D) EMERGENCY SPILLWAY:

1. CONSTRUCT THE SPILLWAY IN UNDISTURBED SOIL AROUND ONE END OF THE EMBANKMENT AND LOCATE IT SO THAT ALL EXCESS FLOW WILL RETURN TO THE RECEIVING CHANNEL WITHOUT DAMAGING THE EMBANKMENT

6. CONSTRUCT AND COMPACT THE DAM TO 10% ABOVE THE DESIGN HEIGHT

2. STABILIZE THE SPILLWAY WITH VEGETATION AS SOON AS GRADING IS COMPLETE; OR INSTALL PAVING MATERIAL TO FINISHED GRADE IF THE SPILLWAY IS NOT TO BE VEGETATED.

E) EROSION CONTROL:

MINIMIZE EROSION.

- 1. MINIMIZE THE SIZE OF DISTURBED AREAS. AT THE COMPLETION OF EACH PHASE OF CONSTRUCTION, VEGETATE THE DISTURBED AREAS TO
- 2. USE TEMPORARY DIVERSIONS TO PREVENT SURFACE WATER FROM RUNNING ONTO DISTURBED AREAS.

- PRINCIPAL SPILLWAY OUTLET ELEVATION TO PREVENT PONDING OF WATER
- 2. FENCE AREA AND POST WARNING SIGNS IF TRESPASSING IS LIKELY.
- DEWATER THE BASIN BETWEEN STORM EVENTS. CONSTRUCTION VERIFICATION: CHECK THE FINISHED GRADES AND

CONFIGURATION FOR ALL EARTHWORK. CHECK ELEVATIONS AND DIMENSIONS OF ALL PIPES AND STRUCTURES.

AT THE UPSTREAM END OF THE BASIN.

- · INSPECT THE BASIN AFTER EACH STORM EVENT OF 1/2 INCH OR GREATER. IF THE BASIN STARTS TO POND WATER FOR EXTENDED PERIODS OF TIME, IT MAY BE CLOGGED AND NEED TO BE CLEANED OU ". REMOVE AND PROPERLY DISPOSE OF ANY SEDIMENT THAT IS COLLECTED
- 3. PERIODICALLY CHECK THE EMBANKMENT, EMERGENCY SPILLWAY, AND OUTLET FOR EROSION DAMAGE, PIPING, SETTLING, SEEPAGE, OR SLUMPING ALONG THE TOE OR AROUND THE BARRELL REPAIR
- IMMEDIATELY. · REMOVE TRASH AND OTHER DEBRIS FROM THE RISER, EMERGENCY
- SPILLWAY, AND POOL AREA. 5. CLEAN OR REPLACE THE GRAVEL AROUND THE RISER IF THE SEDIMENT POOL DOES NOT DRAIN PROPERLY.

AMERICAN PUBLIC WORKS ASSOCIATION KANSAS CITY METROPOLITAN CHAPTER

DETENTION, NUMBER ESC-35 INFILTRATION BASIN

DIVERSIONS TEMPORARY RIGHT-OF-WAY DIVERSIONS - COMPACTED SOIL — EARTHEN RIDGE SLOPE-4.5' MIN. TEMPORARY DIVERSION DIKE TEMPORARY FILL DIVERSION NOT TO SCALE NOT TO SCALE 10% SETTLEMENT-0.3' FREE BOARD COARSE **AGGREGATI** DESIGN FLOW DEPTH — TYPICAL PARABOLIC DIVERSION TYPICAL GRAVEL STRUCTURE 10% SETTLEMENT-0.3' FREE BOARD -COMPACTED SOIL DESIGN FLOW DEPTH-TYPICAL TRAPEZOIDAL DIVERSION TYPICAL EARTHEN STRUCTURE 10% SETTLEMENT -TEMPORARY DIVERSION DIKE NOTES: 0.3' FREE BOARD -TEMPORARY DIVERSION DIKES MUST BE INSTALLED AS A FIRST STEP IN THE LAND-DISTURBING ACTIVITY AND MUST BE FUNCTIONAL PRIOR TO UPSLOPE LAND DISTURBANCE. DESIGN FLOW DEPTH — 2. THE DIKE SHOULD BE ADEQUATELY COMPACTED TO PREVENT FAILURE. 3. TEMPORARY OR PERMANENT SEEDING AND MULCH SHALL BE APPLIED TO THE DIKE

TYPICAL VEE-SHAPED DIVERSION

SOURCE: MODIFIED FROM VA. DCR, 1992

TEMPORARY FILL DIVERSION NOTES:

- 1. THE DIVERSION SHALL BE CONSTRUCTED AT THE TOP OF THE FILL AT THE END OF EACH WORK DAY AS NEEDED.
- 2. THE DIVERSION SHALL BE LOCATED AT LEAST 2 FEET INSIDE THE TOP EDGE OF THE FILL.
- 3. THE SUPPORTING RIDGE SHALL BE CONSTRUCTED WITH A UNIFORM HEIGHT ALONG ITS ENTIRE LENGTH. WITHOUT UNIFORM HEIGHT, THE FILL DIVERSION MAY BE SUSCEPTIBLE TO BREACHING.

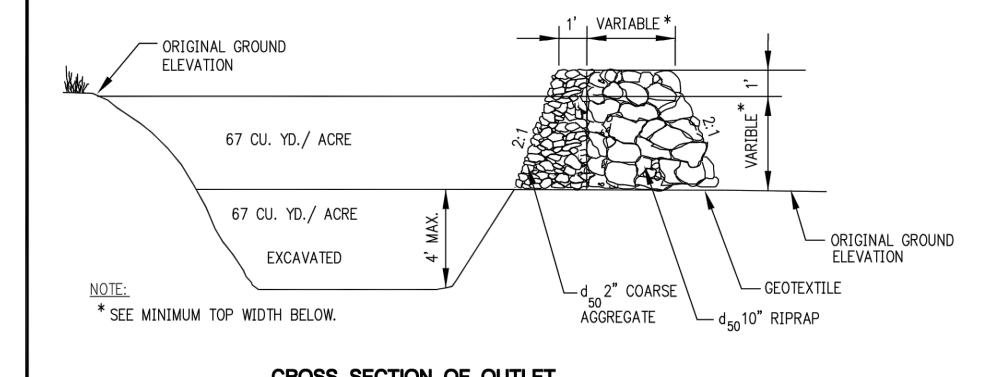
RIGHT-OF-WAY DIVERSION DETAIL NOTES:

- 1. THE DIVERSION SHALL BE INSTALLED AS SOON AS THE RIGHT-OF-WAY HAS BEEN CLEARED AND/OR GRADED.
- 2. ALL EARTHEN DIVERSIONS SHALL BE MACHINE- OR HAND-COMPACTED IN 8-INCH LIFTS.
- 3. THE OUTLET OF THE DIVERSION SHALL BE LOCATED IN AN UNDISTURBED AND STABILIZED AREA WHEN AT ALL POSSIBLE. THE FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED OUTLET.
- . EARTHENED DIVERSIONS WHICH WILL NOT BE SUBJECT TO CONSTRUCTION TRAFFIC SHOULD BE STABLIIZED IN ACCORDANCE WITH TEMPORARY SEEDING.

DIVERSION DETAIL NOTES:

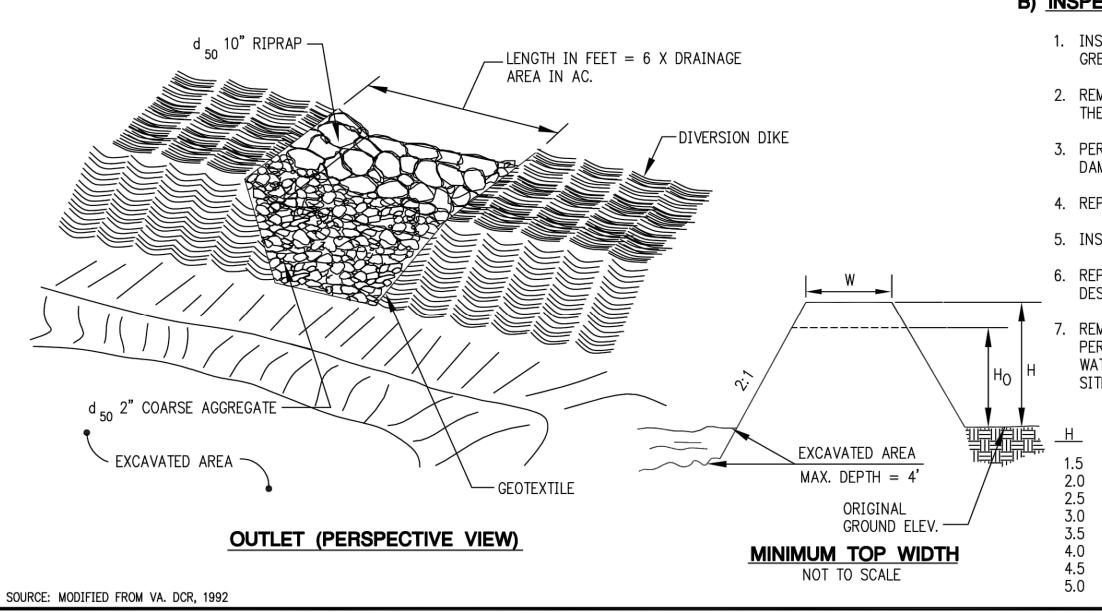
- 1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
- 2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS-SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, FREE OF IRREGULARITIES WHICH WILL IMPEDE FLOW.
- FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION. FILL SHALL BE COMPOSED OF SOIL WHICH IS FREE FROM EXCESSIVE ORGANIC DEBRIS, ROCKS, OR OTHER OBJECTIONABLE MATERIALS.
- 4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
- 5. PERMANENT STABILIZATION OF DISTURBED AREAS SHALL BE DONE IN ACCORDANCE WITH SECTION 2151.

- IMMEDIATELY FOLLOWING ITS CONSTRUCTION.
- 4. THE DIKE SHOULD BE LOCATED TO MINIMIZE DAMAGES BY CONSTRUCTION OPERATIONS AND TRAFFIC.
- AMERICAN PUBLIC WORKS ASSOCIATION ETROPOLITAN CHAPTER NUMBER ESC-29 **DIVERSIONS**



CROSS SECTION OF OUTLET NOT TO SCALE

TEMPORARY SEDIMENT TRAP



TEMPORARY SEDIMENT TRAP NOTES: A) CONSTRUCTION SPECIFICATIONS:

TRAVERSING WITH CONSTRUCTION EQUIPMENT.

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 SHOULD BE COMPACTED IN 6-INCH LAYERS BY
- 3. THE EARTHEN EMBANKMENT SHALL BE SEEDED WITH TEMPORARY OR PERMANENT VEGETATION 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.

B) INSPECTION AND MAINTENANCE:

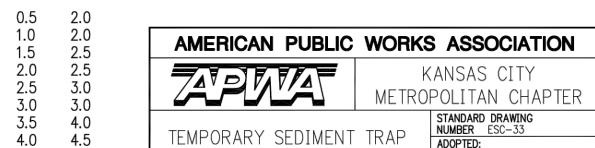
0.5

1.0

1.5

2.5

- 1. INSPECT THE TEMPORARY SEDIMENT TRAP AFTER EACH STORM EVENT OF 1/2-INCH OR
- 2. REMOVE AND PROPERLY DISPOSE OF SEDIMENT WHEN IT ACCUMULATES TO ONE-HALF THE DESIN VOLUME AS INDICATED BY THE CLEAN-OUT STAKE.
- 3. PERIODICALLY CHECK THE EMBANKMENT, SPILLWAY, AND OUTLET APRON FOR EROSION DAMAGE, SETTLING SEEPAGE, OR SLUMPING ALONG THE TOE AND REPAIR IMMEDIATELY.
- 4. REPLACE THE SPILLWAY GRAVEL FACING IF IT BECOMES CLOGGED.
- 5. INSPECT VEGETATION AND RESEED IF NECESSARY.
- 6. REPLACE ANY DISPLACED RIPRAP SO THAT NO REPLACEMENT ROCK IS ABOVE THE DESIGN GRADE.
- REMOVE THE TEMPORARY SEDIMENT TRAP AFTER THE DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, INSPECTED, AND APPROVED. DO SO BY DRAINING ANY WATER, REMOVING THE SEDIMENT TO A DESIGNATED DISPOSAL AREA, AND GRADING THE SITE TO BLEND WITH THE SURROUNDING AREA; THEN STABILIZE



CONSTRUCTION **AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES** LEE'S SUMMIT, MISSOURI

project no : drawing no.: <u>C_DTL01_0200103</u>

TERRYM.

PARSONS

NUMBER

PE-2018010505

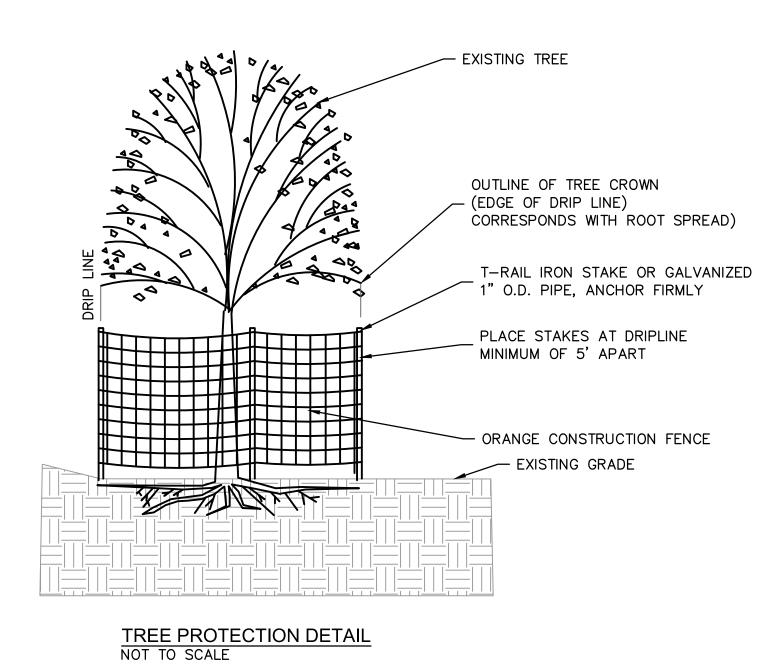
08/14/202

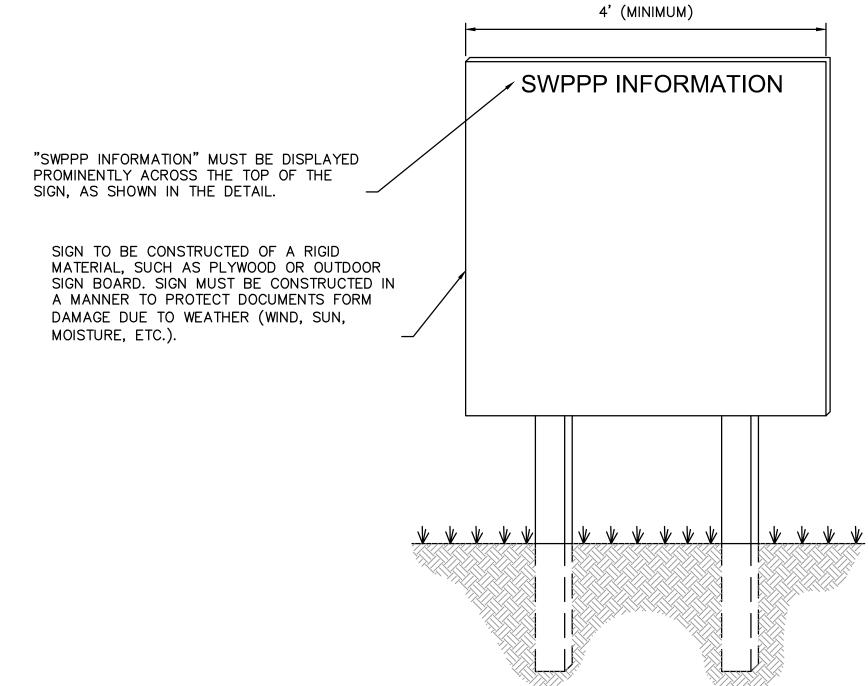
Missouri State

Certificate of Authority

#001592

SHEET 13 of 14





- 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.
- 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

TERRYM.
PARSONS
NUMBER
PE-2018010505
08/19/(2024)

Missouri State Certificate of Authority #001592

В						
REVISIONS DESCRIPTION	2020 REVISED PER CITY COMMENTS				REVISIONS	
DA ⁻	08.14.2020					
REV.	_					
					2020	

 QA/QC by:
 ENG

 project no.:
 020-0103
 drawing no.: <u>C_DTL01_0200103</u>

SHEET 14 of 14

CONSTRUCTION AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI