

PRIVATE IMPROVEMENT PLANS
FOR
SHAWNEE MISSION NORTHWEST
PROJECT #170585-010

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CITY PERMITS, BONDS, AND INSURANCE FOR THE PROPOSED IMPROVEMENTS, WITHIN CITY RIGHT-OF-WAY.
2. THE CONTRACTOR SHALL LEGALLY REMOVE ALL EXCESS MATERIAL AND DEBRIS FROM THE SITE AND DISPOSE OF, OFFSITE.
3. ALL WORKMANSHIP AND MATERIALS ARE SUBJECT TO ENGINEER AND OWNER REVIEW AND APPROVAL.
4. CONSTRUCTION & MATERIALS SPECIFICATIONS FOR THIS PROJECT SHALL CONFORM TO STANDARD SPECIFICATIONS FOR THE KANSAS CITY CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION. ([HTTP://KCMETRO.APWA.NET/PAGEDetails/439](http://kcmetro.apwa.net/pagedetails/439))

1. VISUAL INDICATIONS OF UTILITIES ARE AS SHOWN. UNDERGROUND LOCATIONS SHOWN, AS FURNISHED BY THE RESPECTIVE UTILITY COMPANIES, ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION. FOR ACTUAL FIELD LOCATIONS OF UNDERGROUND UTILITIES, CALL 811 FOR KANSAS AND MISSOURI.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR THE COORDINATION AND SCHEDULING WITH UTILITY DEVELOPERS OF ALL WORK REQUIRED TO RESOLVE CONFLICTS WITH INSTALLATIONS, CONSTRUCTIONS, EXCAVATIONS, REMOVALS, PLACEMENTS, RELOCATION AND OTHER MISCELLANEOUS WORK SHOWN UPON THESE PLANS OR REQUIRED WITHIN THE CONTRACT DOCUMENTS.
3. THE LOCATIONS OF THE UTILITY LINES AS SHOWN ON THESE PLANS ARE APPROXIMATE. SERVICE LINES FROM THE MAINS ARE NOT SHOWN; HOWEVER, THE CONTRACTOR SHALL OBTAIN THESE LOCATIONS FROM THE UTILITY COMPANIES AND SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE DONE TO THESE LINES DURING CONSTRUCTION.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM UTILITY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE YOU DIG,

This topographic map illustrates the proposed extension of 69th Street through the Shawnee Mission Northwest High School campus. The map features contour lines indicating elevation, with labels such as 1025, 1030, 1035, 1040, 1045, and 1050. Key locations include Shawnee Mission Northwest High School, Rhein Benninghoven Elementary, and the intersection of 69th Street and Long Ave. The proposed extension of 69th Street is shown as a dashed line running horizontally across the middle of the map. Other streets shown include W 68th Terrace, Caenen Ave, and Long Ave. A north arrow and a scale bar (0 to 100 feet) are located in the bottom right corner.

W 67ST STREET

SITE

69TH ST

69TH TERRACE

PFLUMM RD

QUIVIRA RD

W 71ST STREET

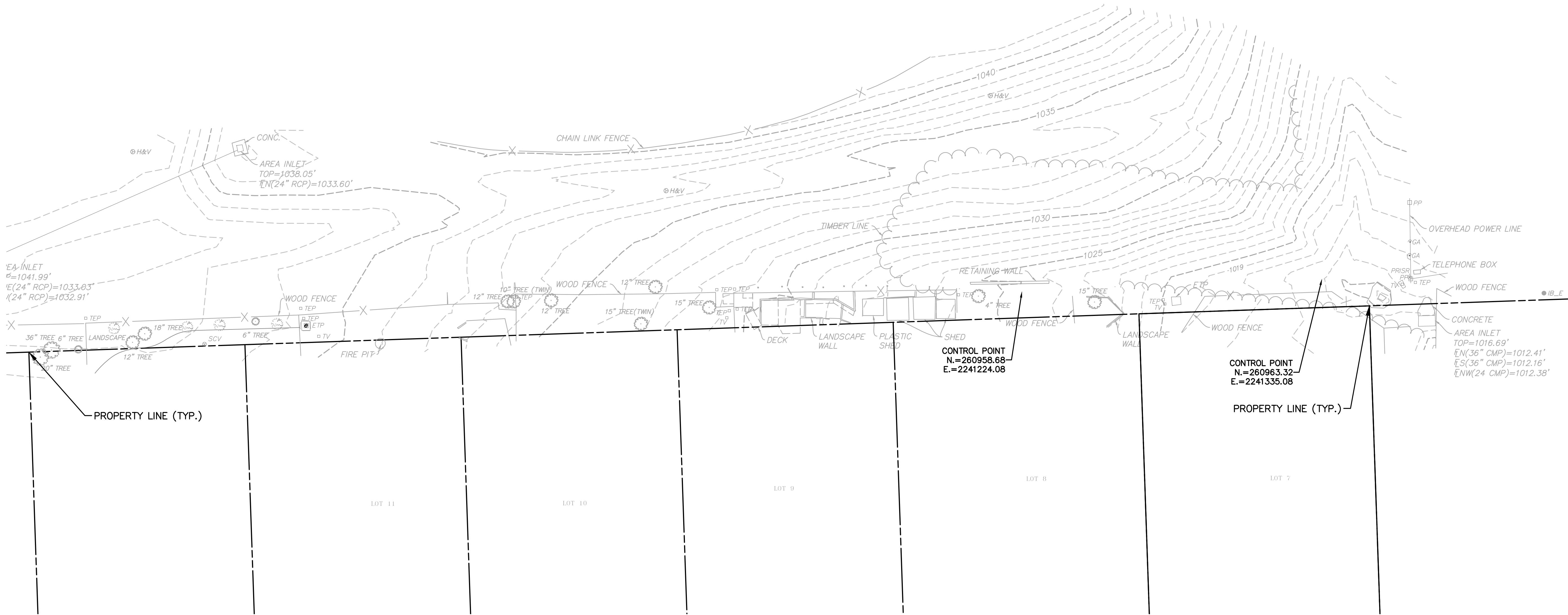
VICINITY MAP
SEC. 15-12-24

SCALE: 1"=2000'

DATE _____



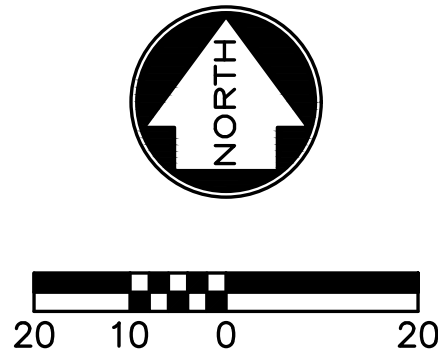
L: \\170582-010_CAD\CIVIL\CONSTRUCTION DOCUMENTS\170582-010 EXCON.DWG
LAYOUT: EXCON BY: ANTHONY.BROWN DATE: 3/15/2018
XREF DWG1: NONE XREF DWG2: NONE
XREF DWG3: NONE XREF DWG4: NONE



LEGEND

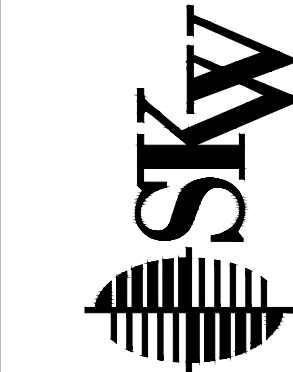
- | | |
|---------|---------------------------------------|
| ● IB_E | = EXIST IRON BAR |
| ⊕ GA | = GUY ANCHOR |
| ⊕ H&V | = HORIZONTAL & VERTICAL CONTROL POINT |
| ⊕ PP | = POWER POLE |
| ⊕ PRISR | = POWER RISER |
| □ TEP | = TELEPHONE PEDESTAL |
| □ TV | = TV PEDESTAL |

GENERAL NOTES:
KANSAS NORTH STATE PLANE COORDINATE SYSTEM. CAF=0.999921501
BENCHMARK ELEV = 1028.86
SET RR SPIKE AT THE SOUTH SIDE OF A POWER POLE LOCATED AT THE WEST END OF THE CUL-DE-SAC OF 68TH TERRACE.
*RECOMMEND LOCATING MORE BARS ALONG THE NORTH LINE OF WINDSOR PLAT BEFORE PROCEEDING WITH BOUNDARY. CURRENTLY WINDSOR AND WINDSOR 2 ARE SITUATED AS BEST FIT. *



SHAWNEE MISSION NORTHWEST
SHAWNEE, KANSAS
EXISTING CONDITIONS

SHAFER, KLINE & WARREN
11250 Corporate Avenue
Lenexa, KS 66219-1392
913.888.7800 FAX: 913.888.7868
SURVEYING | ENGINEERING | CONSTRUCTION



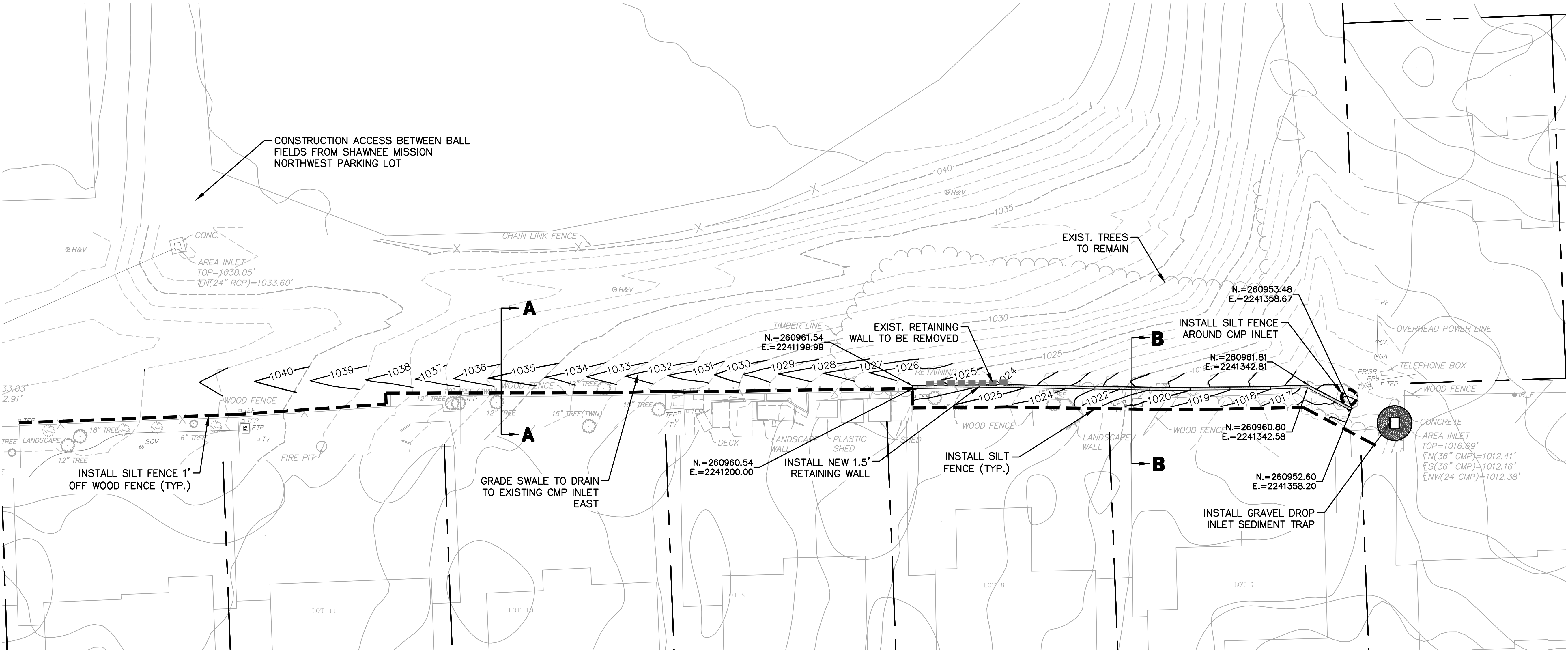
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Drawn By: AB
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Issue Date: 3/16/2018

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170582-010
SHEET NO.
C101

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE SWPPP SHALL BE AVAILABLE ON SITE AT ALL TIMES.
2. THE EROSION CONTROL FEATURES, NOTES AND SPECIFICATIONS IN THE SWPPP REPRESENT THE MINIMUM REQUIREMENTS ACCEPTABLE. LOCATIONS ARE TYPICAL AND MAY VARY ACCORDING TO CONTRACTORS STAGING AND LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST, MODIFY AND ADD TO THIS PLAN AS NECESSARY TO CONTROL EROSION, SILTATION AND POLLUTION.
3. IT SHALL BE EACH CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT POLLUTION FOR ALL WORK WHICH THEY ARE DIRECTLY INVOLVED.
4. EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION OR GRADING WORK.
5. WHEN POSSIBLE, WITHOUT ADVERSELY AFFECTING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL: MINIMIZE THE AMOUNT OF SURFACE AREA WHICH IS EXPOSED AT ONE TIME, LEAVE GRADED AREAS WITH A ROUGH TEXTURE, CONSTRUCT TEMPORARY TERRACES DURING GRADING OPERATIONS, AND LIMIT UNNECESSARY VEHICLE TRAFFIC IN GRADED AREAS.
6. THE SPILLAGE OF DEBRIS, INCLUDING THE TRACKING OF SOIL, OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE AVOIDED. THEREFORE THE CONTRACTOR SHALL PROVIDE STABILIZED DRIVES AT ALL ACCESS LOCATIONS AS NECESSARY AND SHALL REMOVE PROMPTLY ANY MATERIAL WHICH FINDS ITS WAY INTO THE PUBLIC RIGHT-OF WAY.
7. SILT FENCES SHALL BE PLACED ON A CONTOUR ELEVATION ALONG THE DOWNHILL SIDE AND FOR THE FULL EXTENT OF THE DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS. THE LAST FIVE FEET ON EACH END OF RUN OF SILT FENCE/STRAW BALE DIKE SHALL BE PLACED FACING UPHILL AT 90 DEGREES TO THE CONTOUR LINE.
8. THE CONTRACTOR SHALL INSPECT THEIR EROSION CONTROL DEVICES EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH. THE CONTRACTOR SHALL REPAIR DAMAGE, CLEAN OUT SEDIMENT AND ADD ADDITIONAL CONTROL DEVICES AS NEEDED AS SOON AS PRACTICABLE AFTER INSPECTION. DEFICIENCIES MUST BE CORRECTED WITHIN 7 DAYS OF INSPECTION.
9. ALL AREAS UPON REACHING FINAL GRADE SHALL BE BROUGHT TO FINAL TREATMENT, AS SOON AS POSSIBLE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL SOIL DISTURBING ACTIVITIES ARE COMPLETE AND A UNIFORM PERENNIAL COVER WITH A DENSITY OF 70 % (MINIMUM) IS ESTABLISHED.



EROSION CONTROL LEGEND

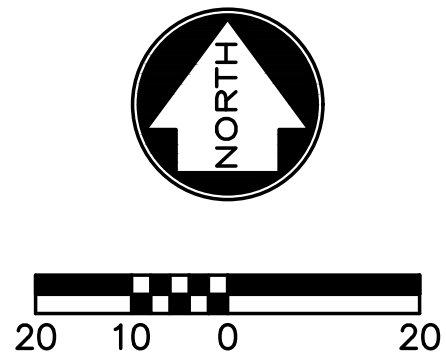
- - - - - SILT FENCE (SEE DETAIL SHEET C401)
- [Pattern] CONSTRUCTION ENTRANCE (SEE DETAIL SHEET C401)
- [Symbol] CURB INLET SEDIMENT BARRIER (SEE DETAIL SHEET C401)
- [Symbol] GRAVEL DROP INLET SEDIMENT TRAP (SEE DETAIL SHEET C401)
- [Pattern] TRIANGULAR SILT DIKE (SEE DETAIL SHEET C401)

DEMOLITION LEGEND

- [Pattern] DENOTES WALL REMOVAL

SITE LEGEND

- [Pattern] DENOTES SEGMENTAL BLOCK WALL



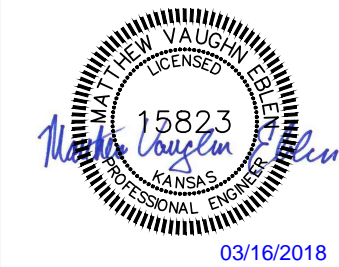
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SHAWNEE MISSION NORTHWEST
SHAWNEE, KANSAS

EROSION & SITE PLAN

170582-010
SHEET NO.
C201



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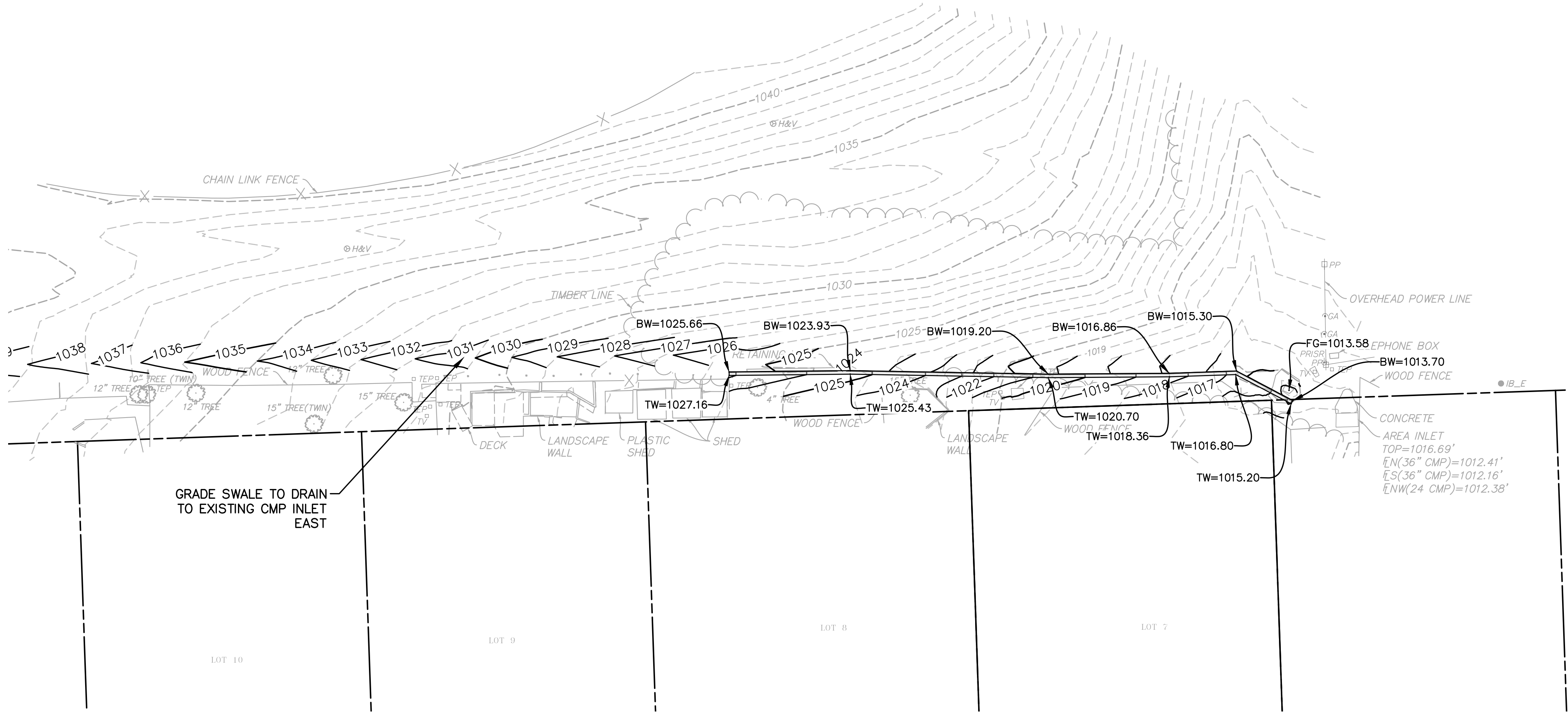
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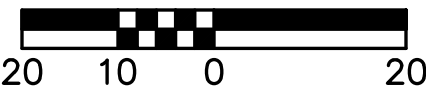
SITE GRADING GENERAL NOTES

1. IT IS THE INTENT OF THIS GRADING PLAN TO USE ON-SITE SOILS.
2. NO FILL SHALL BE PLACED PRIOR TO APPROVAL OF THE SUBGRADE BY THE GEOTECHNICAL ENGINEER.
3. ALL FILL MATERIAL SHALL BE FREE OF DEBRIS AND ORGANIC MATERIAL AND SHALL HAVE A LIQUID LIMIT AND PLASTICITY INDEX IN COMPLIANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
4. ALL FILL MATERIAL SHALL BE FREE OF ROCK FRAGMENTS OR STONES LARGER THAN RECOMMENDED IN THE GEOTECHNICAL REPORT.
5. FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" AND SHALL BE COMPACTED AT WITHIN THE MOISTURE CONTENT RANGE AS DEFINED BY A.S.T.M. D-698.
6. ALL GRADING OPERATIONS SHALL BE STAKED BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR APPROVED BY THE OWNER.
7. UPON COMPLETION OF GRADING THE ENGINEER SHALL PROVIDE THE OWNER WITH A LETTER INDICATING THAT THE SITE WAS PREPARED IN DIRECT CONFORMANCE WITH THE PLANS.



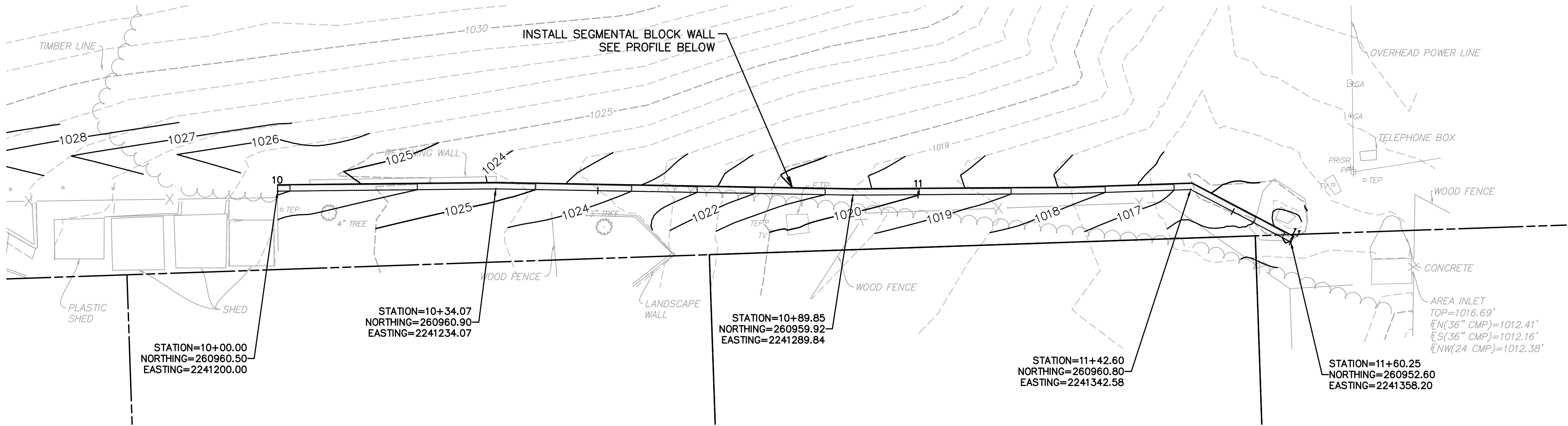
LEGEND

- 924--- EXISTING 1' CONTOUR
- 925--- EXISTING 5' CONTOUR
- 929--- PROPOSED 1' CONTOUR
- 930--- PROPOSED 5' CONTOUR

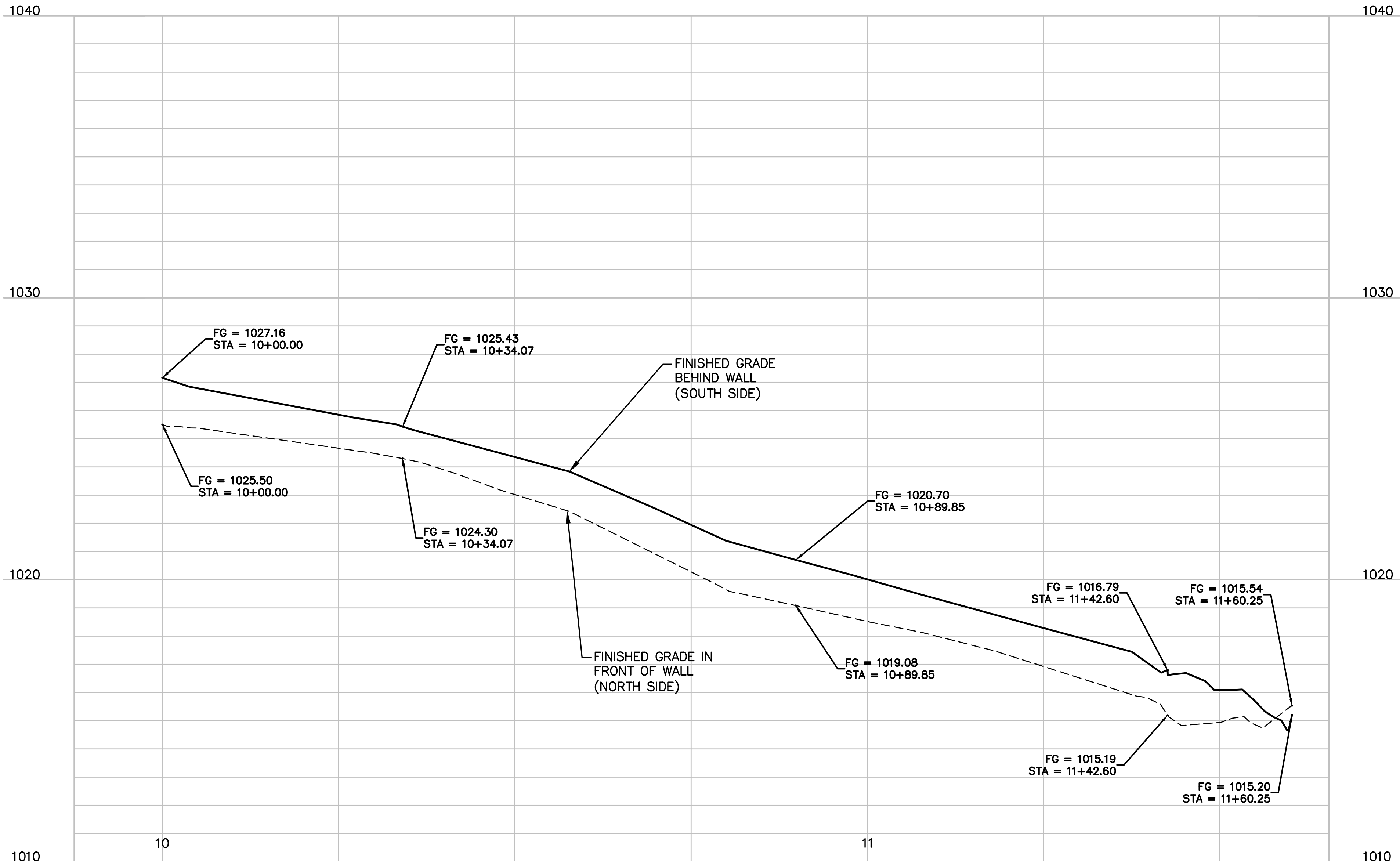


SHAWNEE MISSION NORTHWEST SHAWNEE, KANSAS		170582-010 SHEET NO. C301	
SHAFER, KLINE & WARREN 11250 Corporate Avenue Lenexa, KS 66219-1392 913.888.7800 FAX: 913.888.7868 SURVEYING ENGINEERING CONSTRUCTION		SKW	
DESIGNED BY: AB DRAWN BY: AB CHECKED BY: ME ISSUE DATE: 3/16/2018		15823 KANSAS 03/16/2018	
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LAYOUT: P&P	BY: ANTHONY.BROWN	DATE: 3/15/2018	
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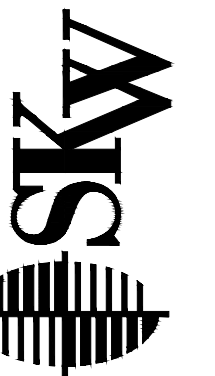
TOP WALL PROFILE



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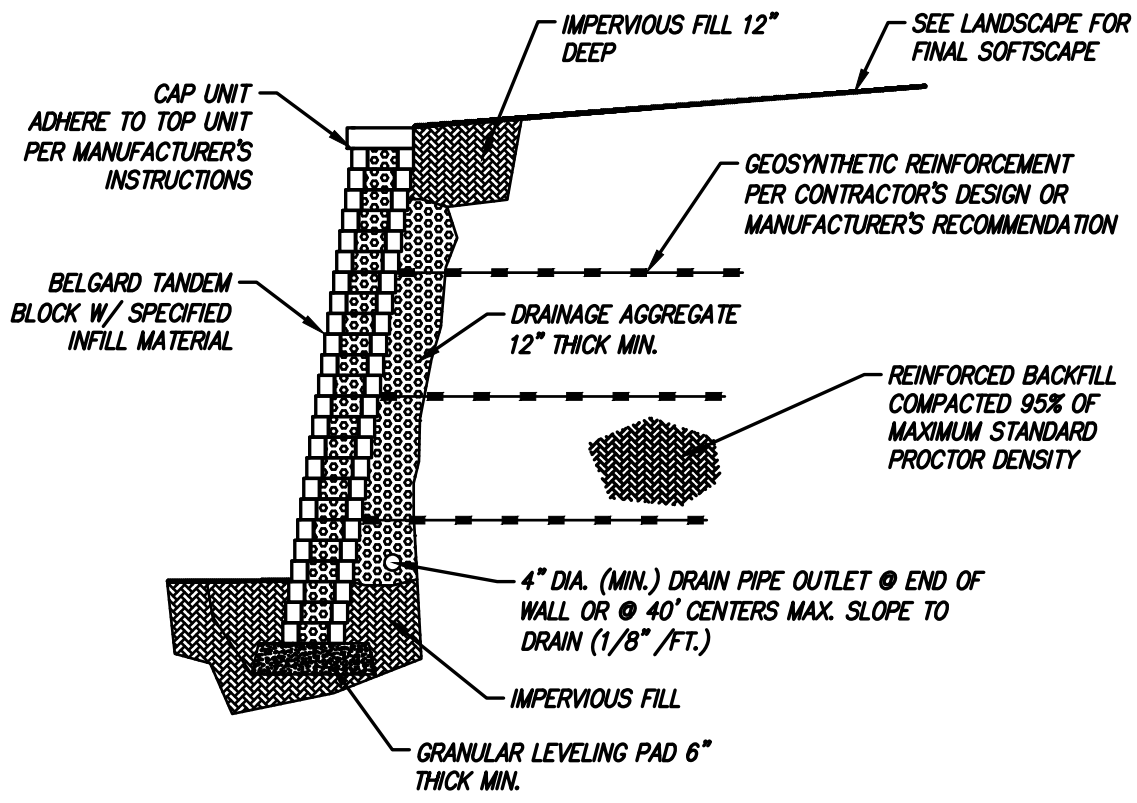
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SHAWNEE, KANSAS

RETAINING WALL PLAN & PROFILE

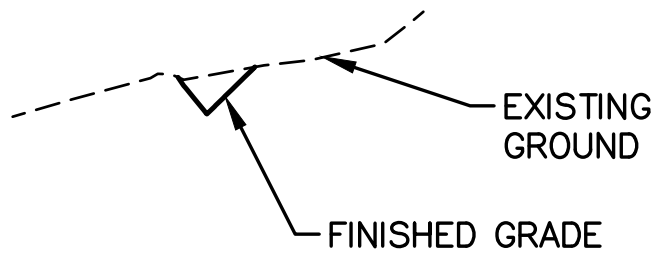
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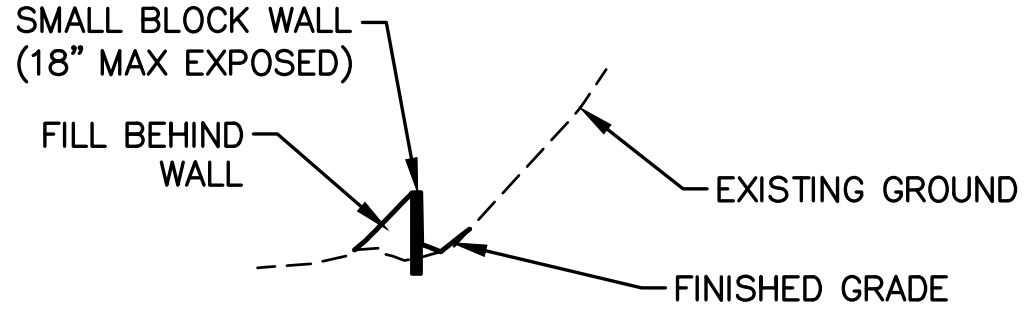
TYPICAL RETAINING WALL

- RETAINING WALL NOTES:**
1. THE STRUCTURAL DESIGN & FINAL WALL LAYOUT IS A DELEGATED DESIGN TO THE CONTRACTOR. SEE WALL DETAIL FOR ADDITIONAL GUIDELINES & REQUIREMENTS.
 2. ALL ELEVATIONS SHOWN ARE TO FINISHED GRADE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL TOP AND BOTTOM OF WALL ELEVATIONS.
 3. CONTRACTOR SHALL HOLD THE FACE OF WALL, BASED ON THE COORDINATES PROVIDED.
 4. WALLS WALL SUPPLIER SHALL PROVIDE CERTIFICATIONS PER MODOT SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO BACKFILL, STRIPS, PANELS, ABSORPTION, FILTER FABRIC, AND CONCRETE, WALLS WITHOUT THESE CERTIFICATIONS WILL NOT BE ACCEPTED.
 5. WALL SUPPLIER IS RESPONSIBLE FOR GLOBAL STABILITY ANALYSIS. COORDINATE WITH OWNER'S GEOTECHNICAL FIRM.
 6. CONTRACTOR SHALL PROVIDE CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A MISSOURI REGISTERED PROFESSIONAL ENGINEER FOR THE STRUCTURAL DESIGN OF WALLS PER MODOT STANDARDS AND SPECIFICATIONS.
 7. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING RELATIONSHIP TO SURROUNDINGS TO ENSURE REINFORCING IS COORDINATED WITH EXISTING FEATURES INCLUDING STORM SEWER.

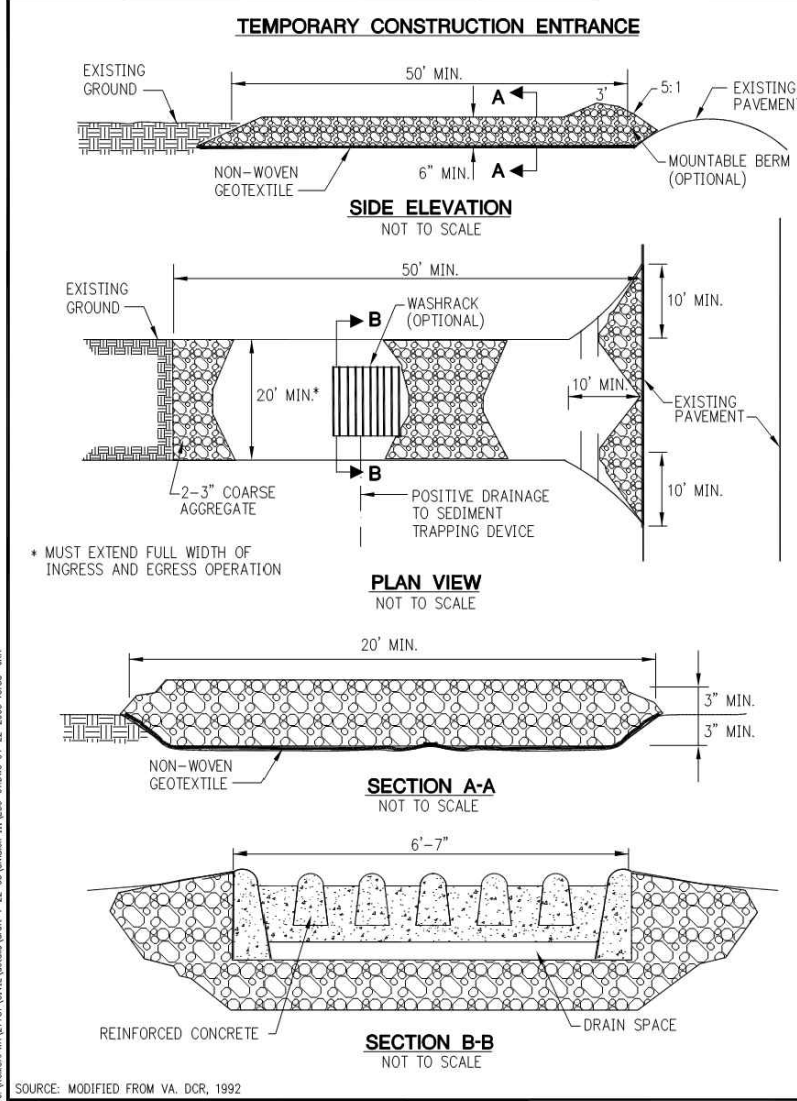
SECTION A-A PROFILE



SECTION B-B PROFILE



TYPICAL SWALE



TEMPORARY CONSTRUCTION ENTRANCE PAD NOTES:

A) INSTALLATION:

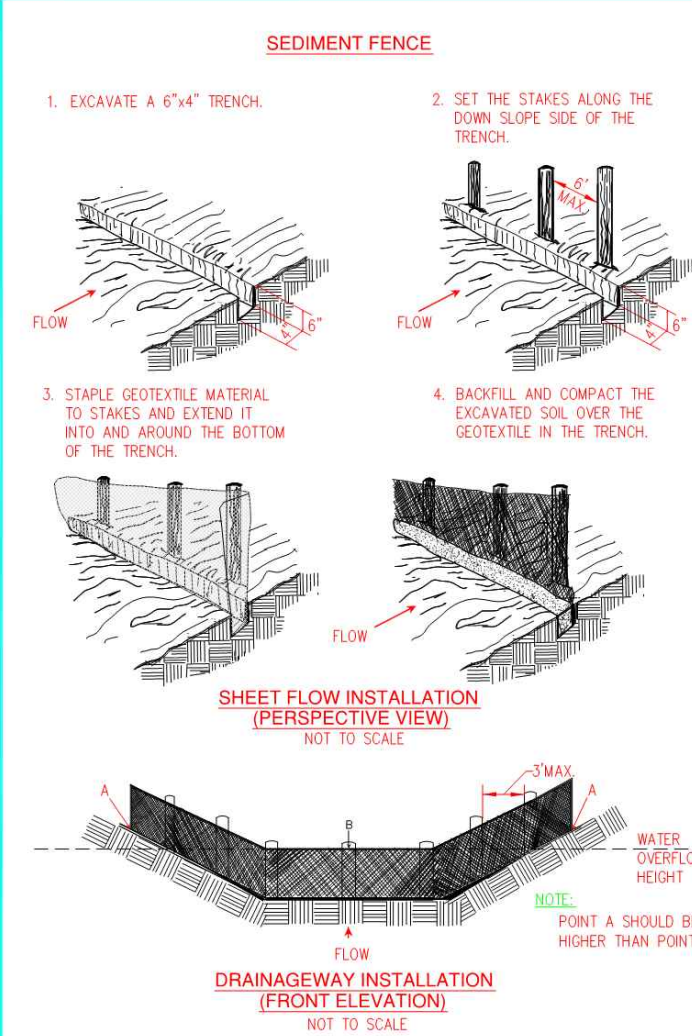
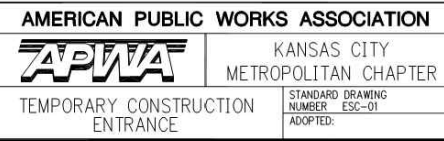
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE HIGH EROSION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE PUBLIC ROAD EXCEEDS 25%, CONSTRUCT A 6-TO 8-INCH HOLE WITH THIRTY-SIX SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
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. OVERLAP ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE.

B) TROUBLESHOOTING:

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 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) INSPECTION AND MAINTENANCE:

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.



SEDIMENT FENCE NOTES:

A) INSTALLATION:

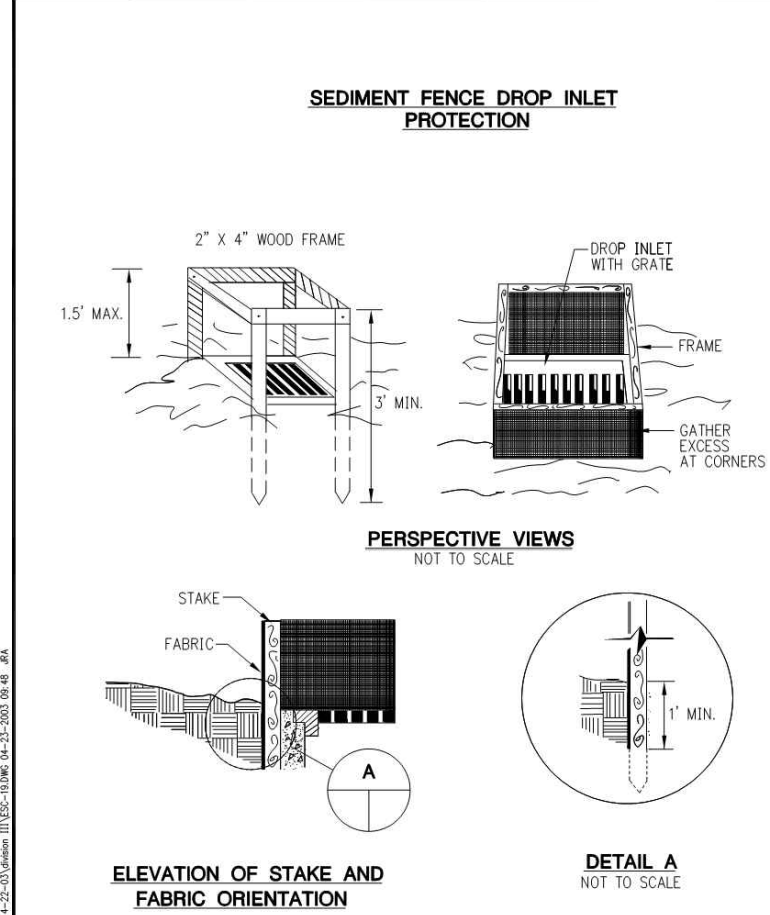
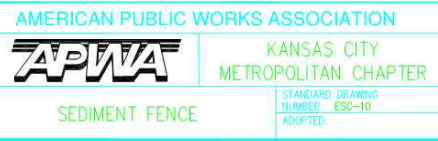
1. THE HEIGHT OF SEDIMENT FENCE SHALL BE A MINIMUM OF 18 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 36 INCHES.
2. THE FENCING SHALL BE PURCHASED IN A CONTINUOUS ROLL OUT TO THE LENGTH OF THE BARBER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE SECURELY SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MAX 6-INCH OVERLAP.
3. LEAVE A TRENCH AT LEAST 6 INCHES DEEP AND 4 INCHES WIDE ALONG THE FENCE AUGMENT.
4. DRIVE POSTS AT LEAST 24 INCHES INTO THE GROUND ON THE DOWNSLOPE SIDE OF THE TRENCH. SPACE POSTS A MAXIMUM OF 6 FEET APART.
5. EXTRA-STRENGTH SEDIMENT FENCE FABRIC SHALL BE USED. POSTS FOR THIS TYPE OF FABRIC SHALL BE PLACED A MAXIMUM OF 6 FEET APART. THE SEDIMENT FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. GIVE MINIMUM OF ONE LONG, HEAVY-DUTY WIRE STAPLES OR THE WIRE, AND EIGHT INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. PLACE THE BOTTOM 1 FOOT OF FABRIC IN THE MINIMUM-OF-6-INCH DEEP TRENCH, LAPPING TOWARD THE UPSLOPE SIDE. BACKFILL WITH COMPACTED EARTH OR GRAVEL.
7. IF A SEDIMENT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, IT MUST BE OF SUFFICIENT LENGTH TO ELIMINATE EROSION, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE, PLACED AT AN ANGLE, WITH THE UPDOWNSLOPE ORIENTED UPOPER. EXTRA-STRENGTH SEDIMENT FABRIC SHALL BE USED WITH A MAXIMUM 3-FOOT SPACING OF POSTS.

B) TROUBLESHOOTING:

1. DETERMINE THE EXACT LOCATION OF UNDERGROUND UTILITIES, BEFORE FENCE INSTALLATION SO UTILITIES ARE NOT DISTURBED.
2. GRADE ALIGNMENT OF FENCE AS NEEDED TO PROVIDE A BROAD, NEARLY LEVEL AREA UPSTREAM OF FENCE TO ALLOW SEDIMENT COLLECTION AREA.

C) INSPECTION MAINTENANCE

1. INSPECT SEDIMENT FENCE AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. AVOID DAMAGING OR UNDERMINING THE FENCE DURING CLEANOUT. SEDIMENT ACCUMULATION SHOULD NOT EXCEED 1/2 THE HEIGHT OF THE FENCE.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY AND COMPLETELY STABILIZED.



SEDIMENT FENCE DROP INLET PROTECTION NOTES:

A) CONSTRUCTION SPECIFICATIONS:

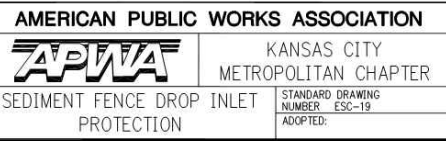
PHYSICAL PROPERTY	TEST	REQUIREMENTS
FILTERING EFFICIENCY	ASTM 5141	75%
TENSILE STRENGTH AT 20% (MAX.) ELONGATION	ASTM 4632 A4370 M288-96	EXTRA STRENGTH ~ 50 LBS./LINEAR INCH
FLOW RATE	ASTM 5141	0.2 GAL./SQ.FT. MINUTE**
ULTRAVIOLET RADIATION STABILITY %	ASTM D 4355	90%

1. REQUIREMENTS REDUCED BY 50% AFTER SIX MONTHS OF INSTALLATION.
- * HIGH POROSITY FABRIC MADE BY BETTER SIZED FOR THIS DEVICE.
2. FOR STAKES, USE 2X4 WOOD OR EQUIVALENT METAL, WITH A MINIMUM LENGTH OF 3 FEET.
3. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18 INCHES DEEP.
4. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2X4 WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5 FEET ABOVE THE DROP INLET CREST.

5. PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH 12-INCHES OF COMPACTED SOIL.
6. FASTEN FABRIC SECURELY BY STAPLES, OR WIRE IT TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
7. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWNSLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

B) INSPECTION AND MAINTENANCE:

1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT OF 1/2 INCH OR GREATER AND REPAIRS MADE AS NEEDED.
2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



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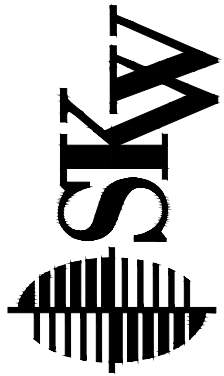
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