

J:\PROJECTS\2022\20220110\2026_PERFECTION_JACOBS_15TH AND CENTRAL\00_220206 CAD\SITE\05 CIVIL\GRD\2ND ADDITION\202606_C-701-G01_2ND.DWG

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EROSION CONTROL/SEEDING NOTES

- EROSION CONTROL IS TO MEET ALL FEDERAL, STATE, COUNTY AND LOCAL CODE STANDARDS.
- TEMPORARY SEEDING: ALL AREAS DISTURBED WITH EXCEPTION OF PROPOSED STREET PAVEMENT BE SEEDED (COST SUBSIDIARY TO PROJECT) AND FERTILIZED AS FOLLOWS UNLESS PERMANENT SEEDING CAN BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION:
 - ANNUAL RYE @ 150 LBS./ACRE
 - SLOW RELEASE @ 150 LBS./ACRE
- IN THE EVENT THAT A PORTION OF THE SITE WILL REMAIN DISTURBED FOR MORE THAN 14 DAYS, PERMANENT SEEDING SHALL BE INSTALLED. PERMANENT SEEDING MIX AND RATE SHALL BE APPROVED BY PROJECT LANDSCAPE ARCHITECT.
- ALL AREAS SHALL BE FINE GRADED AND SURFACE SHALL BE FREE FROM STICKS, SMALL STONES, AND OTHER EXTRANEIOUS MATERIALS.
- CONTRACTOR SHALL PROVIDE EROSION PROTECTION THROUGHOUT PROJECT CONSTRUCTION. THE PLAN PROVIDED HERE IS FOR FINAL PROTECTION, VARIOUS PHASES OF THIS PLAN SHALL BE IMPLEMENTED OR MODIFIED TO CONTROL EROSION. MODIFICATIONS OF THE PLAN SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- SEEDING AREAS SHALL BE PREPARED FOR PLANTING WITH COMMON AGRICULTURAL TECHNIQUES. APPROVE WITH OWNER'S REPRESENTATIVE BEFORE PLANTING.
- ALL SEED SHALL BE DISTRIBUTED WITH AN ACCEPTABLE DRILL INTENDED FOR SUCH OPERATIONS, OR OTHER EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE. SEEDING DEPTH SHALL BE 1/4 OF AN INCH.
- ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED WITH PRAIRIE HAY AT 2 TONS/ACRE. ANCHOR MULCH BY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND IMPLEMENTING ALL EROSION CONTROL.
- IN ORDER TO PREVENT SILT OR SEDIMENT FROM ENTERING ADJACENT PROPERTIES, APPROPRIATE BMP'S SHALL BE IMPLEMENTED WITHIN THE PROJECT.
- ANY MUD TRACKED ONTO ADJACENT PAVED AREAS OR STREETS SHALL BE REMOVED AT THE END OF EACH WORK DAY.
- PER THE REQUIREMENTS OF THE NOI/SWPPP, BMP INSPECTION REPORTS SHALL BE COMPLETED BY THE CONTRACTOR WEEKLY AND WITHIN 24 HOURS AFTER A 1/2" RAIN. REPORTS SHALL BE KEPT WITH THE SWPPP ON SITE.
- CONTRACTOR SHALL PROVIDE A SIGN NEAR THE ENTRANCE WITH THE FOLLOWING INFORMATION:
 - A. CONTACT NAME AND INFORMATION
 - B. A COPY OF THE NOI
 - C. LOCATION OF SWPPP
- TURF REINFORCEMENT MAT SHALL BE NORTH AMERICAN GREEN VMAX SC250 OR APPROVED EQUAL.

LEGEND

- | | | | |
|-----------|------------------------------------|-----------|--|
| —1250— | PROPOSED MAJOR CONTOUR | —X—X—X— | TREE PROTECTION (~ 4,186 LF) |
| —1250— | PROPOSED MINOR CONTOUR | - - - - - | DRAINAGE BASIN BOUNDARY |
| —W— | EXISTING WATERLINE | → | CREEK FLOWLIN |
| —S—S—S— | EXISTING SANITARY SEWER | ↗ | FLOW ARROW |
| —S—S—S— | EXISTING STORMWATER SEWER EXISTING | + | DITCH CHECK (32) |
| —UGT— | UNDERGROUND TELEPHONE EXISTING | [Pattern] | STABILIZED CONSTRUCTION ENTRANCE (2) |
| —UGE— | UNDERGROUND ELECTRICAL EXISTING | [Pattern] | CLAY LINER |
| —OHE— | OVERHEAD ELECTRICAL | [Pattern] | TURF REINFORCEMENT MAT SC-250 TRM (1,466 SY) |
| —G— | EXISTING GASLINE | | |
| —FOC— | EXISTING FIBER OPTIC LINE | | |
| —SF— | SILT BARRIER FENCE (13,240 LF) | | |
| - - - - - | TEMPORARY DRAINAGE SWALE | | |
| - - - - - | LIMITS OF CONSTRUCTION | | |

SEDIMENTATION BASIN CALCULATIONS

DRAINAGE AREA #1
DISTURBED AREA: 103.6 ACRES DRAINING TO PONDS
103.6 ACRES X 3,600 CUBIC FEET PER ACRE = 372,960 CUBIC FEET
372,960 CUBIC FEET X 1 ACRE / 43,560 SQUARE FEET = 8.56 ACRE-FEET

POND 3
PROVIDED: DEPTH = 8 FEET
BOTTOM 1348.00 = 30,705 SQUARE FEET = 0.88 ACRES
NP 1356.00 = 88,783 SQUARE FEET = 2.04 ACRES
(0.88 ACRES + 2.04 ACRES) / 2 = 1.46 ACRES X 8 FT = 11.68 ACRE-FEET

POND 4
PROVIDED: DEPTH = 8 FEET
BOTTOM 1344.00 = 1,672 SQUARE FEET = 0.04 ACRES
NP 1352.00 = 14,963 SQUARE FEET = 0.34 ACRES
(0.04 ACRES + 0.34 ACRES) / 2 = 0.19 ACRES X 8 FT = 1.52 ACRE-FEET

POND 5
PROVIDED: DEPTH = 8 FEET
BOTTOM 1339.00 = 5,206 SQUARE FEET = 0.12 ACRES
TOP 1347.00 = 31,834 SQUARE FEET = 0.73 ACRES
(0.12 ACRES + 0.73 ACRES) / 2 = 0.43 ACRES X 8 FT = 3.44 ACRE-FEET

DRAINAGE AREA #2
DISTURBED AREA: 47.10 ACRES DRAINING TO PONDS
47.10 ACRES X 3,600 CUBIC FEET PER ACRE = 169,560 CUBIC FEET
169,560 CUBIC FEET X 1 ACRE / 43,560 SQUARE FEET = 3.89 ACRE-FEET

POND 1
PROVIDED: DEPTH = 8 FEET
BOTTOM 1339.00 = 2,154 SQUARE FEET = 0.05 ACRES
NP 1347.00 = 15,587 SQUARE FEET = 0.36 ACRES
(0.05 ACRES + 0.36 ACRES) / 2 = 0.21 ACRES X 8 FT = 1.64 ACRE-FEET

POND 2
PROVIDED: DEPTH = 8 FEET
BOTTOM 1342.00 = 7,380 SQUARE FEET = 0.17 ACRES
NP 1350.00 = 26,203 SQUARE FEET = 0.60 ACRES
(0.17 ACRES + 0.60 ACRES) / 2 = 0.39 ACRES X 8 FT = 3.08 ACRE-FEET

SEDIMENTATION BASIN EXPLANATION: THE SITE IS DIVIDED INTO MULTIPLE DRAINAGE AREAS, EACH ROUTED TO A DESIGNATED SEDIMENTATION BASIN SYSTEM. FIVE SEDIMENT BASINS ARE PROVIDED TO CAPTURE AND TREAT RUNOFF FROM DISTURBED AREAS PRIOR TO DISCHARGE. EACH BASIN INCLUDES A CONTROLLED OUTLET STRUCTURE TO ALLOW FOR PROPER DEWATERING AND SEDIMENT SETTLING. THE STORM WATER LEAVES THE SITE IN MULTIPLE LOCATIONS AND EROSION CONTROL MEASURES WILL BE USED TO KEEP SEDIMENT FROM LEAVING THE SITE.

SCALE: 1" = 150'



PHASE 1 - STORM WATER DRAINAGE #549 TO SERVE COURTYARDS AT JACOBS FARM SECOND ADDITION WICHITA, KS

OVERALL EROSION CONTROL PLAN

PROJECT NO.
458-2025-085619

SCALE
1" = 150'

DRAWN	DESIGNED	CHECKED
LES	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	06/19/2026

SHEET NO.
C-701-G01
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