





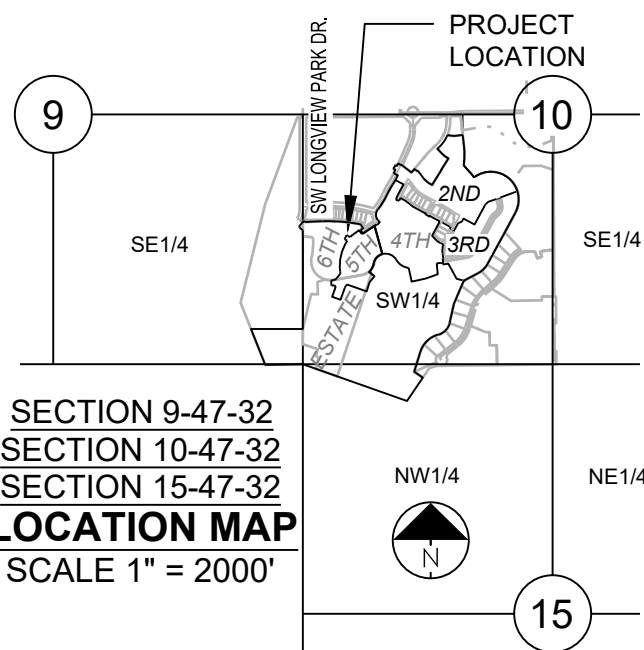
| LEGEND |                                                        |  |                                               |
|--------|--------------------------------------------------------|--|-----------------------------------------------|
|        | TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA           |  | SILT FENCE (PRIOR TO LAND DISTURBANCE)        |
|        | CONCRETE WASHOUT AREA                                  |  | SILT FENCE (DURING CONSTRUCTION)              |
|        | BMP PLAN REF. NO.                                      |  | LIMITS OF DISTURBANCE                         |
|        | SILT FENCE FOR INLET PROTECTION PRIOR TO STRUCTURE TOP |  | EXISTING CONTOURS                             |
|        | EXCESS MATERIAL STOCK PILE LOCATION                    |  | PROPOSED CONTOURS                             |
|        |                                                        |  | GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY |

| EROSION AND SEDIMENT CONTROL STAGING CHART |                                              |                  |                                       |                    |                                                                                                                                                                                                                                                  |
|--------------------------------------------|----------------------------------------------|------------------|---------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                            | PROJECT STAGE                                | BMP PLAN REF. NO | BMP DESCRIPTION                       | REMOVE AFTER STAGE | NOTES:                                                                                                                                                                                                                                           |
| PRE-CLEARING PHASE                         | A - PRIOR TO LAND DISTURBANCE                | 1                | CONSTRUCTION ENTRANCE & STAGING AREA  | D                  | MAINTAIN, REPAIR, OR REPLACE AS NECESSARY                                                                                                                                                                                                        |
|                                            |                                              | 2                | EXISTING INLET PROTECTION             | E                  | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED                                                                                                                 |
| CONSTRUCTION PHASE                         | B - MASS GRADING                             | 3                | SILT FENCE (DURING CONSTRUCTION)      | E                  | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED                                                                                                                 |
|                                            | C - UTILITY CONSTRUCTION                     | 4                | CONCRETE WASHOUT AREA                 | E                  | MAINTAIN, REPAIR, OR REPLACE AS NECESSARY                                                                                                                                                                                                        |
|                                            |                                              | 5                | INLET PROTECTION (SILT FENCE)         | D/E                | PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED                                                                       |
|                                            |                                              | 6                | EXCESS SPOILS STORAGE                 | E                  | PLACE EXCESS SPOILS WHERE INDICATED                                                                                                                                                                                                              |
| FINAL STABILIZATION PHASE                  | D - AFTER PAVING OPERATIONS                  | 7                | INLET PROTECTION (GRAVEL FILTER BAGS) | E                  | BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED |
|                                            |                                              | 8                | SEEDING AND MULCHING                  | E                  | ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY                                                                                                                                                                                     |
|                                            | E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT |                  |                                       |                    | ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.                                                                                                                          |

**DISTURBED AREA = 2.56 A.C.**

**SITE SPECIFIC NOTES:**

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
- NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29095C0414G DATED JANUARY 20TH, 2017.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.
- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.
- AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.



**MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCHMARK:**

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.  
ELEV. 935.18

**PROJECT BENCHMARK:**

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.  
NORTHING: 988893.4148  
EASTING: 2803318.5413  
ELEV. 1004.09

**SURVEY NOTES**

The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.

PREPARED BY:



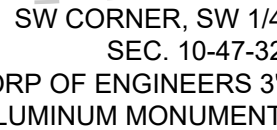
SCHLAGEL & ASSOCIATES, P.A.

**PERGOLA PARK 6TH PLAT  
MASS GRADING AND EROSION SEDIMENT  
CONTROL PLANS  
---- LEE'S SUMMIT, MISSOURI**

| REVISION DATE | DESCRIPTION | CITY COMMENTS |
|---------------|-------------|---------------|
| 11-3-24       | 1           |               |
|               | 2           |               |
|               | 3           |               |
|               | 4           |               |
|               | 5           |               |
|               | 6           |               |
|               | 7           |               |
|               | 8           |               |
|               | 9           |               |
|               | 10          |               |
|               | 11          |               |
|               | 12          |               |
|               | 13          |               |
|               | 14          |               |
|               | 15          |               |
|               | 16          |               |
|               | 17          |               |
|               | 18          |               |
|               | 19          |               |
|               | 20          |               |
|               | 21          |               |
|               | 22          |               |
|               | 23          |               |
|               | 24          |               |
|               | 25          |               |
|               | 26          |               |
|               | 27          |               |
|               | 28          |               |
|               | 29          |               |
|               | 30          |               |
|               | 31          |               |
|               | 32          |               |
|               | 33          |               |
|               | 34          |               |
|               | 35          |               |
|               | 36          |               |
|               | 37          |               |
|               | 38          |               |
|               | 39          |               |
|               | 40          |               |
|               | 41          |               |
|               | 42          |               |
|               | 43          |               |
|               | 44          |               |
|               | 45          |               |
|               | 46          |               |
|               | 47          |               |
|               | 48          |               |
|               | 49          |               |
|               | 50          |               |
|               | 51          |               |
|               | 52          |               |
|               | 53          |               |
|               | 54          |               |
|               | 55          |               |
|               | 56          |               |
|               | 57          |               |
|               | 58          |               |
|               | 59          |               |
|               | 60          |               |
|               | 61          |               |
|               | 62          |               |
|               | 63          |               |
|               | 64          |               |
|               | 65          |               |
|               | 66          |               |
|               | 67          |               |
|               | 68          |               |
|               | 69          |               |
|               | 70          |               |
|               | 71          |               |
|               | 72          |               |
|               | 73          |               |
|               | 74          |               |
|               | 75          |               |
|               | 76          |               |
|               | 77          |               |
|               | 78          |               |
|               | 79          |               |
|               | 80          |               |
|               | 81          |               |
|               | 82          |               |
|               | 83          |               |
|               | 84          |               |
|               | 85          |               |
|               | 86          |               |
|               | 87          |               |
|               | 88          |               |
|               | 89          |               |
|               | 90          |               |
|               | 91          |               |
|               | 92          |               |
|               | 93          |               |
|               | 94          |               |
|               | 95          |               |
|               | 96          |               |
|               | 97          |               |
|               | 98          |               |
|               | 99          |               |
|               | 100         |               |

**PRE  
CONSTRUCTION  
EROSION  
CONTROL**

SHEET

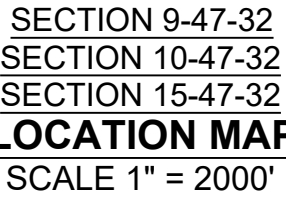


## EROSION AND SEDIMENT CONTROL STAGING CHART

## FINAL STABILIZATION

**SITE SPECIFIC NOTES:**

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
2. THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
3. NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29095C0414G DATED JANUARY 20TH, 2017.
4. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
5. ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
6. STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.
7. ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
8. SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.
9. AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.



BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

### PROJECT BENCHMARK:

NORTHING: 998893.4148  
EASTING: 2803318.5413  
ELEV. 1004.09

The bases of bearing and coordinates are base on the Missouri Coordinate system of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.



PERGOLA PARK 6TH PLAT  
MASS GRADING AND EROSION SEDIMENT  
CONTROL PLANS

----- LEE'S SUMMIT, MISSOURI

| REVISION DATE | DESCRIPTION |
|---------------|-------------|
| A             |             |

SHEET



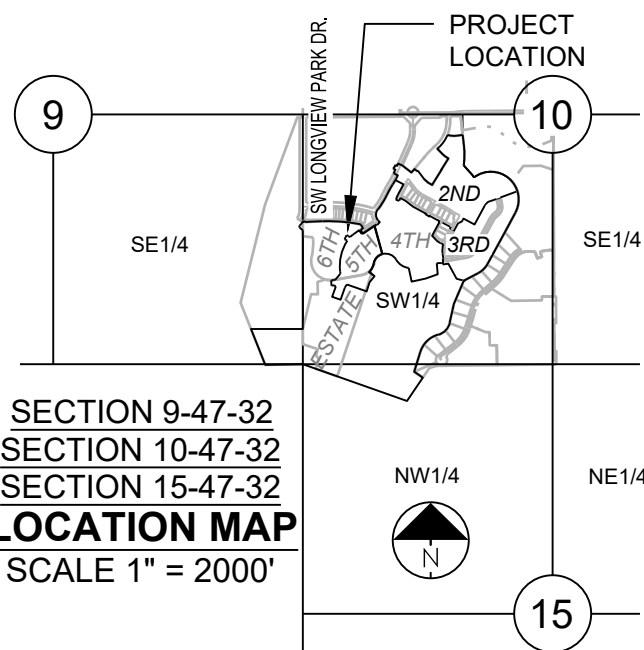
| LEGEND |                                                        |  |                                               |
|--------|--------------------------------------------------------|--|-----------------------------------------------|
|        | TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA           |  | SILT FENCE (PRIOR TO LAND DISTURBANCE)        |
|        | CONCRETE WASHOUT AREA                                  |  | SILT FENCE (DURING CONSTRUCTION)              |
|        | BMP PLAN REF. NO.                                      |  | LIMITS OF DISTURBANCE                         |
|        | SILT FENCE FOR INLET PROTECTION PRIOR TO STRUCTURE TOP |  | EXISTING CONTOURS                             |
|        | EXCESS MATERIAL STOCK PILE LOCATION                    |  | PROPOSED CONTOURS                             |
|        |                                                        |  | GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY |

|                           | EROSION AND SEDIMENT CONTROL STAGING CHART   |                   |                                       |                    |                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------|-------------------|---------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | PROJECT STAGE                                | BMP PLAN REF. NO. | BMP DESCRIPTION                       | REMOVE AFTER STAGE | NOTES:                                                                                                                                                                                                                                           |
| PRE-CLEARING PHASE        | A - PRIOR TO LAND DISTURBANCE                | 1                 | CONSTRUCTION ENTRANCE & STAGING AREA  | D                  | MAINTAIN, REPAIR, OR REPLACE AS NECESSARY                                                                                                                                                                                                        |
|                           |                                              | 2                 | EXISTING INLET PROTECTION             | E                  | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED                                                                                                                 |
| CONSTRUCTION PHASE        | B - MASS GRADING                             | 3                 | SILT FENCE (DURING CONSTRUCTION)      | E                  | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED                                                                                                                 |
|                           |                                              | 4                 | CONCRETE WASHOUT AREA                 | E                  | MAINTAIN, REPAIR, OR REPLACE AS NECESSARY                                                                                                                                                                                                        |
|                           | C - UTILITY CONSTRUCTION                     | 5                 | INLET PROTECTION (SILT FENCE)         | D/E                | PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED                                                                       |
|                           |                                              | 6                 | EXCESS SPOILS STORAGE                 | E                  | PLACE EXCESS SPOILS WHERE INDICATED                                                                                                                                                                                                              |
| FINAL STABILIZATION PHASE | D - AFTER PAVING OPERATIONS                  | 7                 | INLET PROTECTION (GRAVEL FILTER BAGS) | E                  | BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED |
|                           |                                              | 8                 | SEEDING AND MULCHING                  | E                  | ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY                                                                                                                                                                                     |
|                           | E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT |                   |                                       |                    | ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.                                                                                                                          |

**DISTURBED AREA = 2.56 A.C.**

**SITE SPECIFIC NOTES:**

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
- NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29095C0414G DATED JANUARY 20TH, 2017.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.
- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.
- AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.



**MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCHMARK:**

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.  
ELEV. 935.18

**PROJECT BENCHMARK:**

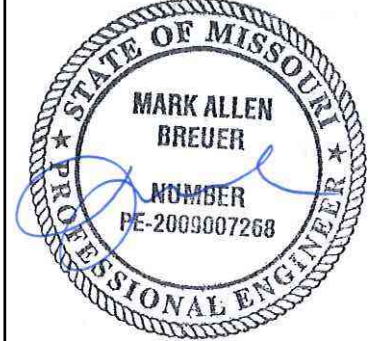
CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148  
EASTING: 2803318.5413  
ELEV. 1004.09

**SURVEY NOTES**

The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.

PREPARED BY:

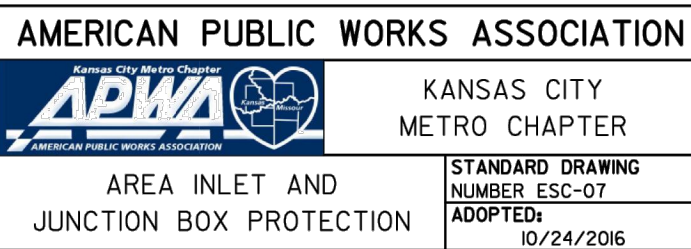
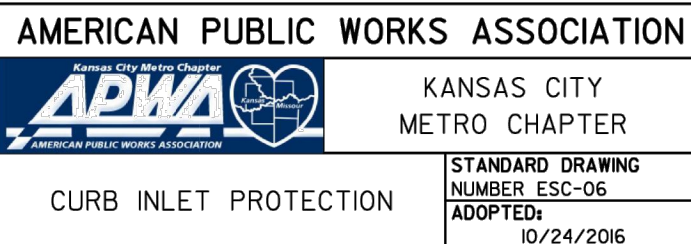
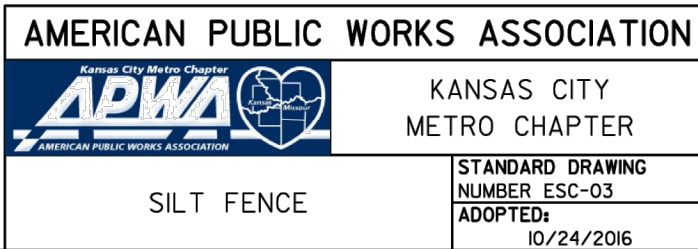
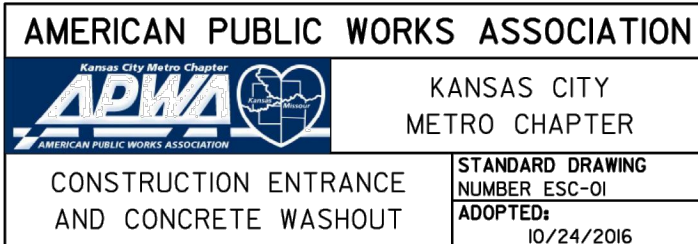


11.12.2024

SCHLAGEL & ASSOCIATES, P.A.

**PERGOLA PARK 6TH PLAT  
MASS GRADING AND EROSION SEDIMENT  
CONTROL PLANS  
--- LEE'S SUMMIT, MISSOURI**

| REVISION                          |               | DESCRIPTION |
|-----------------------------------|---------------|-------------|
| DATE                              | CITY COMMENTS |             |
| 11-3-24                           |               |             |
| DRAWN BY:                         | BAL           |             |
| CHECKED BY:                       | MAB           |             |
| DATE PREPARED:                    | 8-16-24       |             |
| PROJ. NUMBER:                     | 24-041        |             |
| POST CONSTRUCTION EROSION CONTROL |               |             |
| SHEET                             |               |             |
| 4                                 |               |             |



|                |         |
|----------------|---------|
| DRAWN BY:      | BAL     |
| CHECKED BY:    | MAB     |
| DATE PREPARED: | 8-16-24 |
| PROJ. NUMBER:  |         |