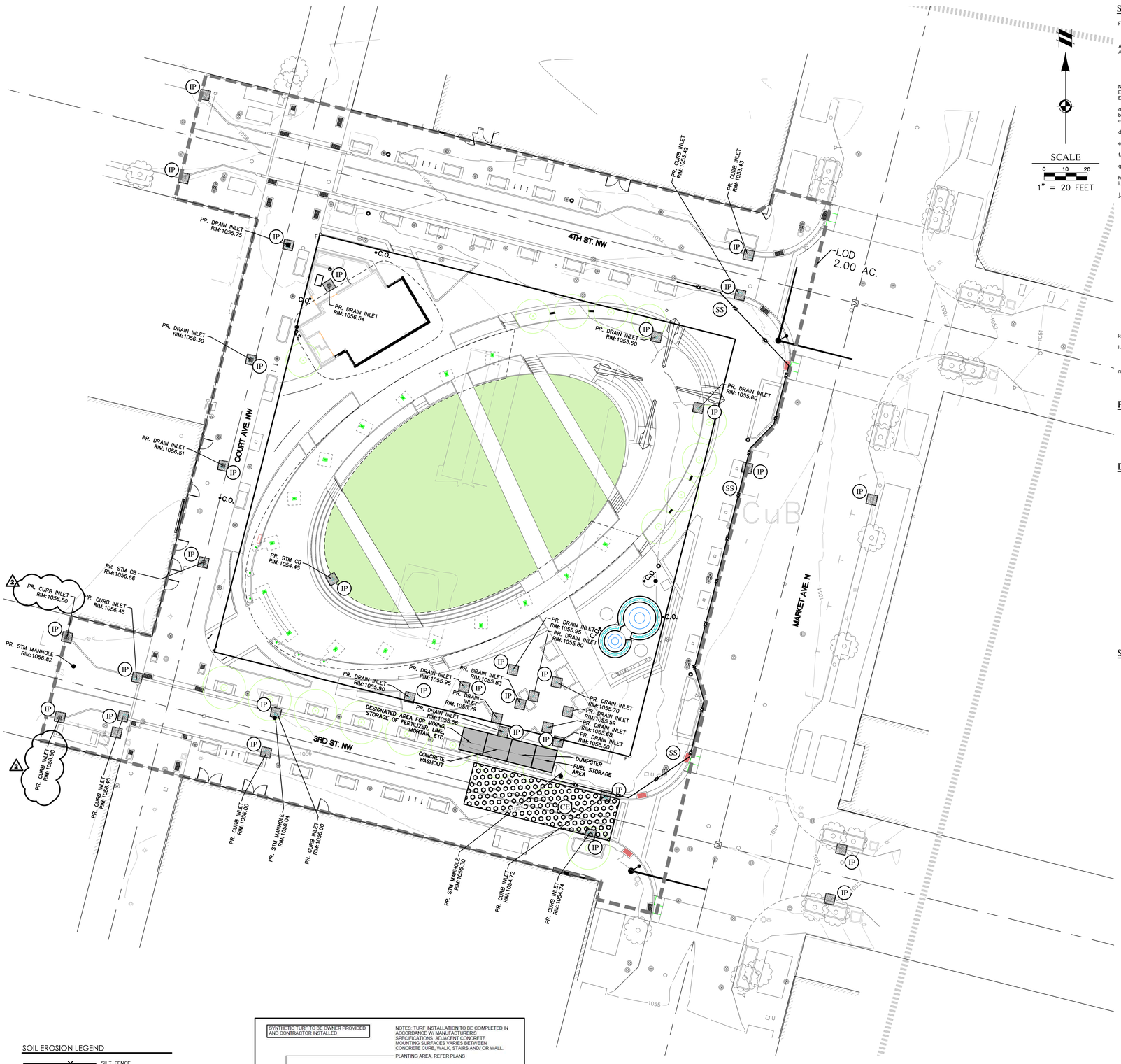
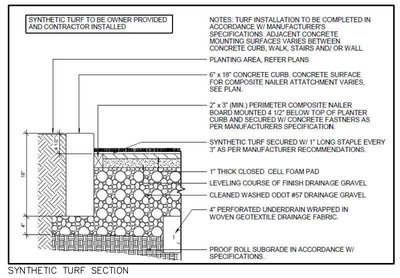


SOIL EROSION LEGEND

- SILT FENCE
- INLET PROTECTION
- TEMPORARY DIVERSION
- TEMPORARY CHECK DAM
- LIMITS OF DISTURBANCE
- EXISTING SOIL
- CE — CONSTRUCTION ENTRANCE
- SS — SILT SOCK
- IP — INLET PROTECTION
- PS — PERMANENT SEEDING
- CuB — CHILI–URBAN LAND COMPLEX UNDULATING



SYNTHETIC TURF SECTION

MAINTENANCE TASKS AND SCHEDULE FOR BMP				
TASK	SYNTHETIC TURF	CATCH BASIN INLETS	STORM SEWER SYSTEM	SCHEDULE
INSPECT FOR SEDIMENT ACCUMULATION & REMOVE	X	X	X	ANNUALLY
INSPECT FOR DEBRIS AND CLEAN DEBRIS	X	X	X	AFTER MAJOR STORMS
INSPECT STRUCTURAL ELEMENTS	X	X	X	AFTER MAJOR STORMS

SYNTHETIC TURF IS PERMANENT POST CONSTRUCTION BMP

SITE DESCRIPTION

FACILITY NAME & ADDRESS: **CANTON CENTENNIAL PARK**
301–399 MARKET AVENUE NORTH
CANTON, OHIO 44708

AUTHORITY FOR AUTHORIZING AND AMENDING THE SWP3: **ATWELL GROUP**
7100 E. PLEASANT VALLEY ROAD, SUITE 220
INDEPENDENCE, OH 44131
CONTACT: DALE HAYWOOD, PE, PS, CPESC
PHONE: (440) 349–2000
EMAIL: DHAYWOOD@ATWELL–GROUP.COM

NPDES PERMIT #: **PENDING**
ESTIMATED START DATE: **JULY, 2019**
ESTIMATED COMPLETION DATE: **AUGUST, 2020**

a. DESCRIBE THE NATURE AND TYPE OF CONSTRUCTION ACTIVITY:
b. **PROPOSED PARK IMPROVEMENTS**
c. TOTAL AREA OF THE SITE EXPECTED TO BE DISTURBED:
2.00 ACRES
d. PRE–DEVELOPED RUNOFF COEFFICIENT:
C=0.53
e. POST–DEVELOPED RUNOFF COEFFICIENT:
C=0.66
f. ESTIMATED % IMPERVIOUS AREA IN POST DEVELOPED STATE:
40%
g. EXISTING SOIL TYPES:
THE SITE CONSIST OF 100% CHILI–URBAN LAND COMPLEX, UNDULATING SOIL.
h. QUALITY OF STORMWATER DISCHARGING FROM THE CONSTRUCTION SITE: **N/A**
i. DESCRIBE PRIOR LAND USES:
THE SITE IS CURRENTLY A PUBLIC PARK USED FOR COMMUNITY EVENTS
j. SEQUENCE OF MAJOR CONSTRUCTION OPERATIONS:

START DAY	END DAY	SOIL EROSION CONTROL SEQUENCE OF CONSTRUCTION
1	1	CONTACT STARK COUNTY SOIL AND WATER CONSERVATION DISTRICT TO SCHEDULE A PRECONSTRUCTION MEETING 330–451–7644
2	5	INSTALL PROTECTIVE FENCING
6	8	SITE DEMOLITION
8	10	CLEARING & GRUBBING
10	15	STRIP TOP SOIL
15	25	CONSTRUCT STORM SEWER
25	27	INSTALL INLET PROTECTION
27	47	SITE GRADING
100	105	FINAL GRADE SITE
105	115	INSTALL CURB AND PAVEMENT
118	120	ONCE SITE IS 80% STABILIZED, CONTACT STARK COUNTY SOIL AND WATER CONSERVATION DISTRICT TO SCHEDULE A WALK THROUGH BEFORE THE BMPs ARE REMOVED. AFTER APPROVAL REMOVE SILT FENCE, TEMP DIVERSIONS, CHECK DAMS, INLET PROTECTION, ETC. MONITOR AND MAINTAIN STABILIZED AREAS, AND RESEED AS NEEDED

k. RECEIVING WATER BODY OR MS4:
CITY OF CANTON MS4
l. DETAIL OF INDIVIDUAL LOT WITH SEDIMENT AND EROSION CONTROLS FOR CONSTRUCTION SITES WITH NO CENTRALIZED SEDIMENT CONTROLS (e.g. A SETTLING POND OR INLET PROTECTION) WHICH RECEIVES DRAINAGE FROM MULTIPLE LOTS:
N/A
m. INCLUDE THE LOCATION OF AND DESCRIPTION OF STORM WATER DISCHARGES ASSOCIATED WITH DEDICATED ASPHALT AND/OR CONCRETE BATCH PLANTS COVERED BY THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT:
N/A

PROJECT DESCRIPTION

THE PROJECT WILL CONSIST OF IMPROVEMENTS ON 3RD STREET, 4TH STREET, AND COURT STREET. A PERFORMANCE STAGE AND CANOPY AS WELL AS A CAFE AND RESTROOM WILL BE CONSTRUCTED IN THE PARK AREA.

THE STANDARD SPECIFICATIONS & DRAWINGS OF THE CITY OF CANTON ENGINEERING DEPARTMENT AND THE STATE OF OHIO 2013 CMS MANUAL, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN THESE IMPROVEMENTS.

DUTY TO INFORM CONTRACTORS AND SUBCONTRACTORS

THE PERMITTEE (REPRESENTATIVE THAT OBTAINS A CONSTRUCTION GENERAL PERMIT FROM OHIO EPA) SHALL INFORM ALL CONTRACTORS AND SUBCONTRACTORS NOT OTHERWISE DEFINED AS "OPERATORS" IN PART VII OF OHIO EPA'S CONSTRUCTION GENERAL PERMIT (OHCD00005), WHO WILL BE INVOLVED IN THE IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWP3), OF THE TERMS AND CONDITIONS OF THE GENERAL CONSTRUCTION PERMIT. FURTHERMORE, THE PERMITEE SHALL MAINTAIN THIS DOCUMENT CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE SWP3 AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE SWP3, INCLUDING ALL: (I) EROSION CONTROLS; (II) SEDIMENT CONTROLS; (III) NON–SEDIMENT POLLUTANT CONTROLS; AND (IV) POST–CONSTRUCTION CONTROLS (OHIO EPA'S CONSTRUCTION GENERAL PERMIT).

IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) RULES AND OHIO EPA'S CONSTRUCTION GENERAL PERMIT, THESE SIGNATURES ARE REQUIRED TO BE PROVIDED PRIOR TO COMMENCEMENT OF WORK AT

_____
(PERMITTED FACILITY NAME)

THE PERMITTEE HAS REVIEWED THE CONDITIONS OF THE SWP3 WITH ME AND EXPLAINED MY RESPONSIBILITIES WITH REGARDS TO THE ABOVE REFERENCED CONSTRUCTION ACTIVITY IN ACCORDANCE WITH OHIO EPA'S CONSTRUCTION GENERAL PERMIT.

CONTRACTOR/SUBCONTRACTOR COMPANY DATE

_____
_____
_____
_____
_____

SEDIMENT AND EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST CONFORM TO THE SPECIFICATION OF RAINWATER AND LAND DEVELOPMENT, OHIO STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM.

2. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED SUCH THAT A MINIMUM AREA OF THE SITE IS DISTURBED AT A TIME. CONSTRUCTION OPERATION SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS. CONTRACTOR SHALL REDUCE EFFECTS OF STORM WATER BY USING AND/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES, OR WATER DIVERSIONS.

3. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

4. CLEANUP WILL BE DONE IN A MANNER TO ENSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.

5. TEMPORARY SOIL STABILIZATION SHALL OCCUR WITHIN 7 DAYS AFTER ROUGH GRADING IF THE AREA WILL REMAIN IDLE LONGER THAN 14 DAYS. ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 14 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 AND MARCH.

6. TRENCHES FOR UNDERGROUND UTILITY LINE AND PIPES SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS IF THEY ARE TO REMAIN INACTIVE FOR 14 DAYS. TRENCH DEWATERING DEVICES (DANDY BAGS – SEE DETAIL SHEET) SHALL DISCHARGE IN A MANNER THAT FILTERS SOIL–LADEN WATER BEFORE DISCHARGING IT TO A RECEIVING DRAINAGE DITCH OR POND. IF SEEDING, MULCHING OR OTHER EROSION AND SEDIMENT CONTROL MEASURES WERE PREVIOUSLY INSTALLED; THESE PROTECTIVE MEASURES SHALL BE REINSTALLED. PIPELINES WITH JOINTS THAT ALLOW A MANUFACTURED LENGTH OF PIPE TO BE PLACED IN THE TRENCH WITH THE PIPE JOINT ASSEMBLED/MADE IN THE TRENCH REQUIRE AN OPEN PIPELINE TRENCH THAT IS ONLY SLIGHTLY LONGER THAN THE LENGTH OF PIPE BEING INSTALLED. THE TOTAL LENGTH OF EXCAVATED TRENCH OPEN AT ANY TIME SHOULD NOT BE THE GREATER THAN THE TOTAL LENGTH OF PIPELINE/UTILITY THAT CAN BE PLACED IN THE TRENCH AND BACK–FILLED IN ONE WORKING DAY. NO MORE THAN 50 LINEAL FEET OF OPEN TRENCH SHOULD EXIST WHEN PIPELINE/UTILITY LINE INSTALLATION CEASES AT THE END OF THE WORK DAY.

7. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED TO PREVENT SOIL LOSS.

8. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINAL GRADING. FURTHER, SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETE, AT WHICH TIME TEMPORARY MEASURES WILL BE REMOVED. PERMANENT VEGETATION IS A GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITIONS.

9. SILT FENCE TO BE 2' MINIMUM FROM PROPERTY LINES IN AREAS WHERE WORK IS NEAR ADJACENT PROPERTIES.

10. HAUL ROUTES– THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MUD, DIRT, OR DEBRIS DEPOSITED ON HAUL ROADS AS A RESULT OF HIS OPERATIONS. SOIL SHALL BE REMOVED FROM ROADS AND PAVED SURFACES AT THE END OF EACH DAY IN SUCH A MANNER THAT DOES NOT CREATE OFF–SITE SEDIMENTATION IN ORDER TO ENSURE SAFETY AND ABATE OFF–SITE SOIL LOSS. COLLECTED SEDIMENTS SHALL BE PLACED IN A STABLE LOCATION ON SITE OR TAKEN OFF–SITE TO A STABLE LOCATION. CONTRACTOR SHALL USE STATE ROUTES (AND SHORTEST DISTANCE NON–STATE ROUTES) FOR PROJECT HAUL ROUTE.

11. FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM REMAINING DORMANT FOR OVER 14 DAYS, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS.

12. FOR DISTURBED AREAS OVER 50 FEET AWAY FROM A STREAM REMAINING DORMANT FOR OVER 14 DAYS, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS.

13. FOR DISTURBED AREAS THAT WILL BE LEFT IDLE OVER WINTER, TEMPORARY EROSION CONTROLS SHALL BE APPLIED PRIOR TO ONSET OF WINTER.

14. FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE.

15. FOR DISTURBED AREAS REMAINING DORMANT FOR OVER 1 YEAR OR AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS.

16. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED FOR OVER 14 DAYS.

17. SEDIMENT CONTROLS SHALL BE INSTALLED/IMPLEMENTED WITHIN 7 DAYS OF GRUBBING ACTIVITIES.

18. THE SEDIMENT STORAGE ZONE OF THE SILT TRAPS AND BASINS SHALL BE CLEANED OUT WHEN THE SILT OCCUPIES 40 PERCENT OF THE SEDIMENT STORAGE ZONE (APPROXIMATELY ONE–HALF OF THE SEDIMENT STORAGE ZONE DEPTH).

19. ALL SILT TRAPS AND SEDIMENTATION BASINS SHALL BE SURROUNDED BY ORANGE CONSTRUCTION FENCING.

SWP3 CERTIFICATION

I, THE UNDERSIGNED, CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGED THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS." THIS STATEMENT MUST BE DATED AND SIGNED BY ALL APPLICABLE PARTIES WITH INDICATION OF WHAT ACTIVITY THEY ARE RESPONSIBLE FOR.

ATWELL, LLC.
Dale Haywood

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client / owner
City of Canton

project name
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BID SET
Not For Construction

revision	date	issued
1	06/14/2019	ADDENDUM #1
2	06/21/2019	ADDENDUM #2

seal
STATE OF OHIO
Dale Haywood

issue date 06.19.2019
project number c18514

sheet name
STORMWATER POLLUTION PREVENTION PLAN

sheet number
C2.00

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