

# FORMER WORLD KITCHEN, INC.

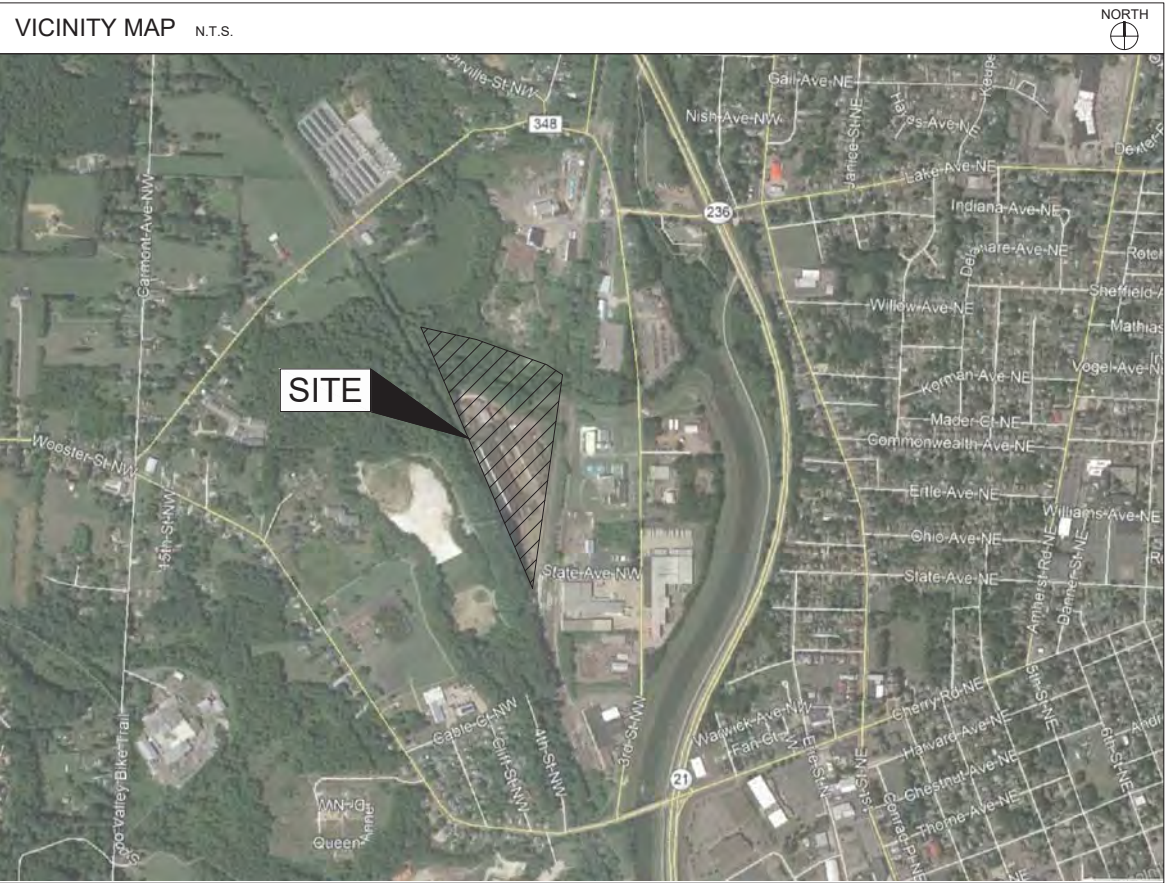
## DISCHARGE PIPE RELOCATION

359 STATE AVE NW  
MASSILLON, OHIO

3 SEPTEMBER 2021

### INDEX OF DRAWINGS

T-001	TITLE SHEET
G-001	GENERAL NOTES
G-002	TECHNICAL SPECIFICATIONS
C-101	EXISTING SITE PLAN AND DEMOLITION PLAN
C-102	PROPOSED SITE PLAN
C-103	DISCHARGE PIPING PLAN AND PROFILE
C-104	AIR STRIPPER WET WELL PLAN AND SECTION
C-105	DETAILS
C-201	SWPPP PLAN
C-202	SWPPP NOTES
C-203	SWPPP DETAILS (SHEET 1 OF 2)
C-204	SWPPP DETAILS (SHEET 2 OF 2)



## 30% DESIGN REVIEW

Approved by the Massillon City Engineer this \_\_\_\_\_  
day of \_\_\_\_\_ 20 \_\_\_\_\_

Keith A. Dylewski, P.E., P.S.

**FOR REVIEW ONLY**  
**NOT FOR CONSTRUCTION**



WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REV.	BY	DATE	REVISION DESCRIPTION

THIS DOCUMENT IS RELEASED  
FOR THE PURPOSE OF INTERIM  
REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**  
THIS DOCUMENT IS NOT INTENDED  
FOR BIDDING, PERMITTING AND/OR  
CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

TITLE SHEET

ISSUED FOR	-
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
MB	SS

JOB NO.  
02994.221

T-001

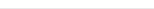

























GENERAL PLAN NOTES:

1. PRIOR TO STAGING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
3. THE EXISTING SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
4. UPON RECEIPT OF POINT COORDINATE DATA, THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH GIVEN POINTS TO CONFIRM GEOMETRIC DATA AND SUBMIT TO THE ENGINEER PRIOR TO ANY CONSTRUCTION.
5. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON PROVIDED SURVEYS AND UTILITY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
6. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE EXISTING SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
7. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
8. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL AT ALL TIMES INSURE THAT SWPPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION.
10. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE.

ABBREVIATIONS:

⊙	AT
ABAND	ABANDONED
APPROX	APPROXIMATELY
AC	ASBESTOS CEMENT
AW	AUSTIN WATER
B	BORING
BLDG	BUILDING
BM	BENCHMARK SET
CCTV	CLOSED CIRCUIT TELEVISION VIDEO
CFS	COMPOST FILTER SOCK
CIPP	CURED-IN-PLACE PIPE
CI	CAST IRON
CLR	CLEAR, CLEARANCE
CMP	CORRUGATED METAL PIPE
COA	CITY OF AUSTIN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CPS	CONTROL POINT SET
CS	CARBON STEEL
DI	DUCTILE IRON
DIA	DIAMETER
DTL	DETAIL
DWG	DRAWING
E/S	EROSION AND SEDIMENTATION
ELEC	ELECTRIC
ELEV	ELEVATION
ESMT	EASEMENT
EX	EXISTING
EXT	EXTERIOR
FG	FINISHED GRADE
FL	FLOWLINE
FLG	FLANGE
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FINISHED SURFACE
FT	FEET
FT/S	FEET PER SECOND
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BREAK
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HA	HAND AUGER
HDPE	HIGH DENSITY POLYETHYLENE
HMWPE	HIGH MOLECULAR WEIGHT POLYETHYLENE
HOR	HORIZONTAL
HZ	HERTZ
IAW	IN ACCORDANCE WITH
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INV	INVERT
IRF	IRON ROD FOUND
LF	LINEAR FEET
LS#	LANDMARK SURVEYING POINT NUMBER
MAGNSWW	MAG NAIL SET WITH WASHER
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
NA	NOT APPLICABLE
NTS	NOT TO SCALE
PROP	PROPOSED
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
R	RADIUS
RED	REDUCER
REQ'D	REQUIRED
RCP	REINFORCED CONCRETE PIPE
RJ	RESTRAINED JOINT
ROW	RIGHT-OF-WAY
SCH	SCHEDULE
SEC	SECTION
SF	SQUARE FEET
SHT	SHEET
SPL	STANDARD PROJECT LIST
STD	STANDARD
SS	STAINLESS STEEL
STL	STEEL
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TB	THRUST BLOCK
TC	TOP OF CURB
TOC	TOP OF CONCRETE
TP	TOP OF PIPE
TYP	TYPICAL
UG	UNDERGROUND
UPM	UTILITY PAINT MARK
VERT	VERTICAL
VOL	VOLUME
WW	WASTEWATER

LEGEND SYMBOLS:

	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING DISCHARGE PIPE
	EXISTING STORM PIPE LESS THAN 24"
	EXISTING STORM PIPE 24" OR LARGER
	EXISTING STORM CATCH BASIN
	EXISTING STORM MANHOLE
	EXISTING TREE LINE
	EXISTING CHAIN LINK FENCE
	EXISTING BUILDING
	PROPERTY LINE
	EASEMENT LINE
	EXISTING EDGE OF STREAM/WET AREA
	FORMER LAGOON FOOTPRINT (1994 CLOSER)
	COMPOST FILTER SOCK
	SILT FENCE
	PROPOSED DISCHARGE PIPE
	PROPOSED MANHOLE
	PROPOSED PLUG
	DISCHARGE PIPE (ABANDONED)
	EXISTING CONCRETE
	FLOOD ZONE "A" 1% ANNUAL CHANCE FLOOD HAZARD
	FLOOD ZONE "AE" 1% ANNUAL CHANCE FLOOD HAZARD
	FLOOD ZONE "X" AREA WITH REDUCED RISK DUE TO LEVEE
	FLOOD ZONE "AE" REGULATORY FLOODWAY
	FLOOD ZONE "X" 0.2% ANNUAL CHANCE FLOOD HAZARD



WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REV.	BY	DATE	REVISION DESCRIPTION					

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**  
THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC. DISCHARGE PIPE RELOCATION MASSILLON, OHIO, 444647	SWPPP NOTES

ISSUED FOR		—
PERMIT		—
BID		—
CONSTRUCTION		—
RECORD		—
PROJECT MANAGER	DESIGNER	
MB	SS	
JOB NO. 02994.221		
G-001		

C:\Users\staudts\Desktop\38a\_PSC\_Facility\_Discharge\_Pipe\_Relocation\G-002\_SPECIFICATIONS.dwg Sep 02,2021 -- 11:23am STAUDTS

THE FOLLOWING ARE THE APPLICABLE TECHNICAL SPECIFICATIONS FOR THIS PROJECT

STARK COUNTY, OHIO STANDARD SPECIFICATIONS CAN BE DOWNLOADED AT BELOW LINK:  
<https://www.starkcountyohio.gov/sanitary-engineers/departments/engineering-department/engineering-requirements-for-sewer-and-water-line/items-specifications-and-detail-drawings-select-c/sewer>

- ITEM SPECIFICATIONS
- ITEM 1 EARTH EXCAVATION
  - ITEM 4 CONCRETE
  - ITEM 6 GRANULAR BACKFILL
  - ITEM 7 EXCAVATION SUPPORT SYSTEMS
  - ITEM 14 PVC GRAVITY SEWER PIPE
  - ITEM 16 MANHOLES
  - ITEM 22 REMOVAL OF TREES AND OR STUMPS
  - ITEM 25 TOPSOIL AND SEEDING

STATE OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CAN BE DOWNLOADED AT BELOW LINK:  
[https://www.dot.state.oh.us/divisions/constructionmgt/onlinedocs/specifications/2019CMS/2019\\_CMS\\_10162018%20FINAL%20TO%20PRINTER.PDF](https://www.dot.state.oh.us/divisions/constructionmgt/onlinedocs/specifications/2019CMS/2019_CMS_10162018%20FINAL%20TO%20PRINTER.PDF)

- PIPE AND FITTINGS:
- A. PVC PIPE SHALL BE AWWA C-900, SCHEDULE 40 SOLID WALL PIPE AND FITTINGS INTENDED FOR USE IN GRAVITY APPLICATION.
  - B. FOR PIPES 3" AND LARGER, FITTINGS SHALL BE DUCTILE IRON, AWWA C153.
  - C. SIZE OF PIPE AND FITTINGS SHALL BE AS SHOWN ON PLANS.
  - D. JOINTS SHALL BE ELASTOMERIC-GASKET CONFORMING TO ASTM F477 AND AWWA C900.
  - E. PIPE RESTRAINTS SHALL BE UTILIZED TO PREVENT MOVEMENT OF PUSH-ON DUCTILE IRON OR PVC BELL AND SPIGOT PIPE CONNECTIONS OR WHERE FLEXIBLE COUPLING HAS BEEN USED TO JOIN TWO SECTIONS OR PLAIN END PIPE. ALL PIPE RESTRAINTS SHALL BE DUCTILE IRON, RATED MINIMUM 150 PSI, EBAA IRON SERIES 1500 AND 2500 BELL RESTARINTS OR APPROVED EQUAL.
  - F. INSTALL FLEXIBLE COUPLINGS OR FLEXIBLE EXPANSION JOINTS FOR PIPES TO ALLOW FOR ANY SOIL SUBSIDENCE OR PIPE MOVEMENT.
  - G. FLEXIBLE COUPLING -STYLE 177N OR EQUAL, VICTAULIC QUICKVIC FLEXIBLE COUPLING.
  - H. FLEXIBLE EXPANSION JOINT - DUCTILE IRON, SHALL MEET ASTM A536 AND ANSI/AWWA C153/A21.52, PRESSURE RATED 250 PSI, EBAA IRON, INC.



WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REVISION DESCRIPTION	DATE	REV.	BY

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF

ROBERT J. OTT, P.E.  
#85480  
SEPTEMBER 2021

THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

TECHNICAL SPECIFICATIONS

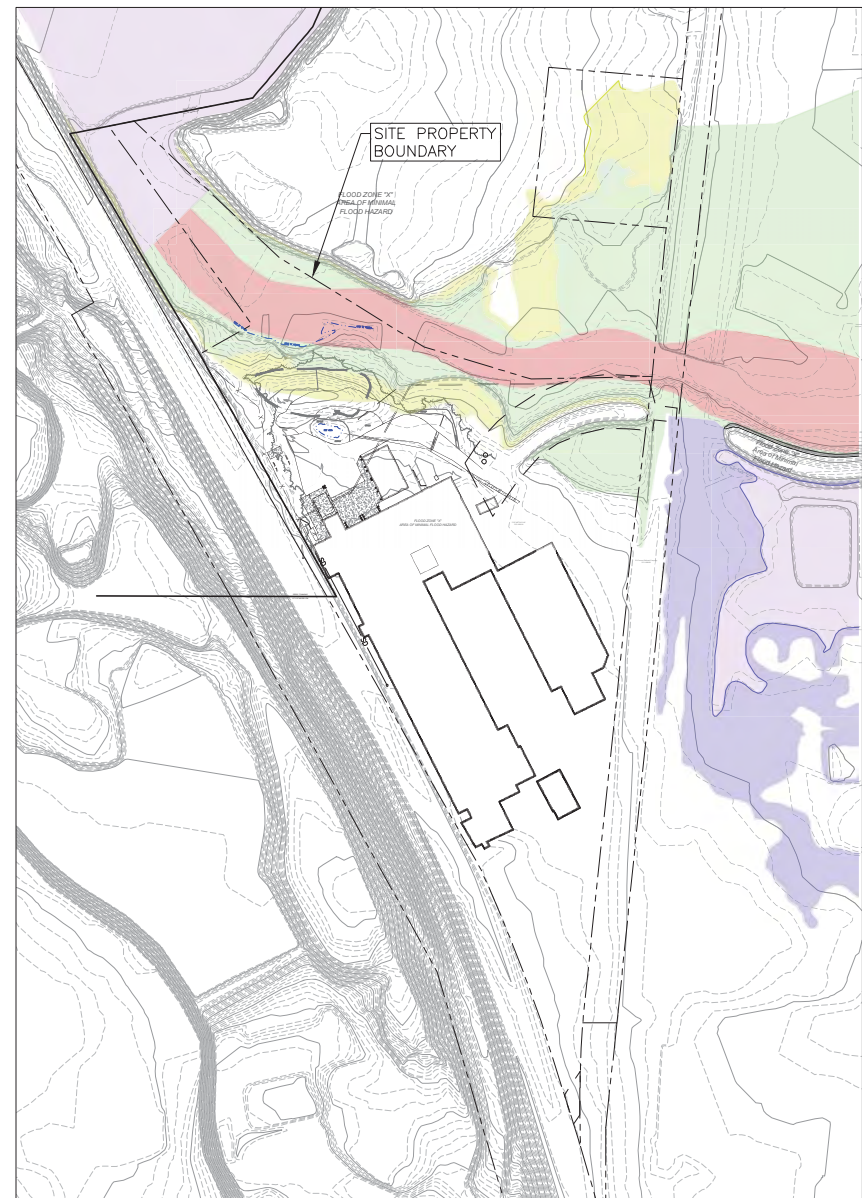
ISSUED FOR	-
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-
PROJECT MANAGER	DESIGNER
MB	SS
JOB NO. 02994.221	
G-002	



30' 0 30' 60'

SCALE: FEET

<u>CB1</u> TOP ELEV. 942.24 INV 12" 939.55 SE	
---	--



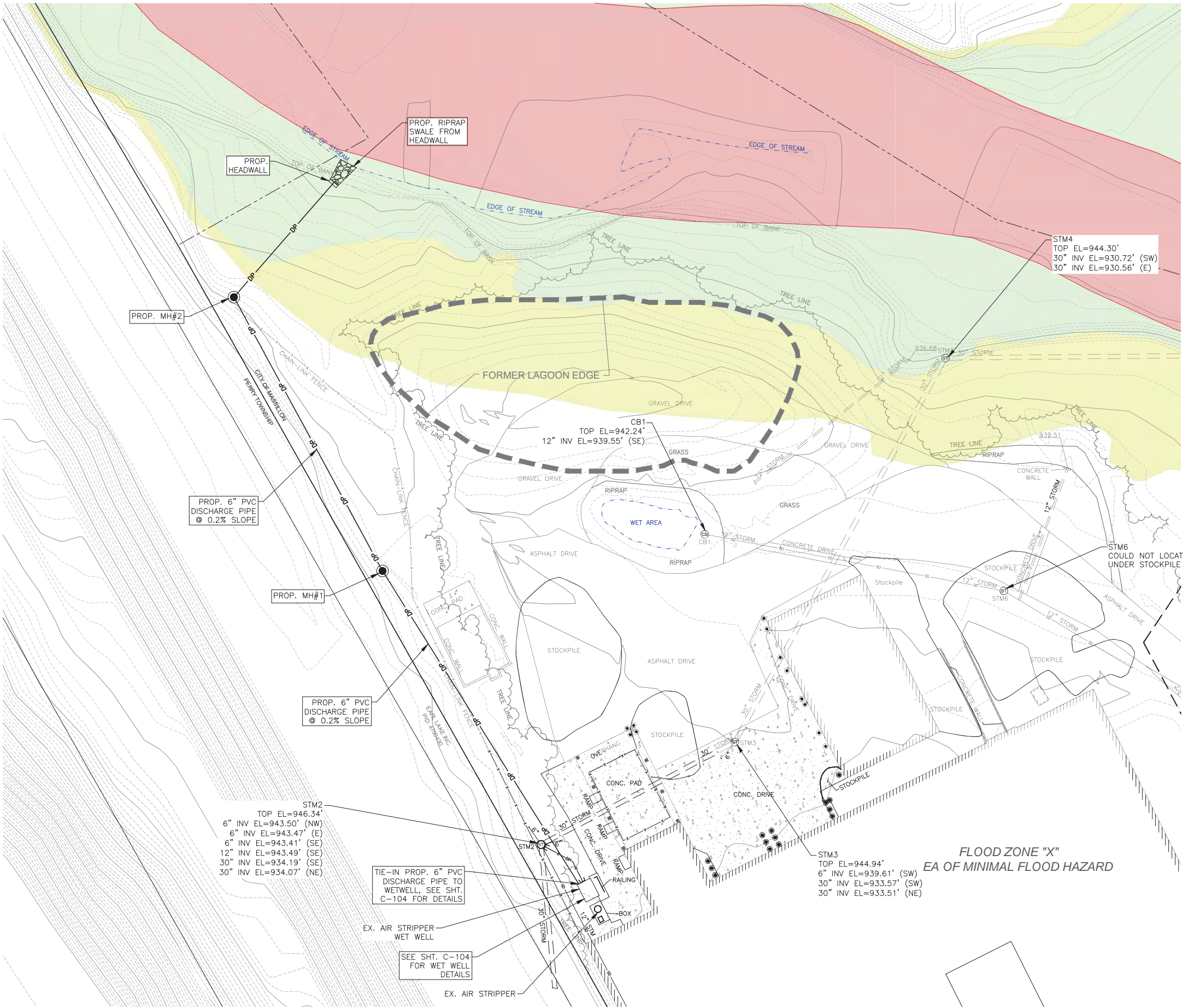
200' 0 200' 400'

SCALE: FEET





C:\Users\staudts\Desktop\38a\_PSC Facility Discharge Pipe Relocation\C-102 PROP SITE PLAN.dwg Sep 03,2021 -- 1:18pm STAUDTS



PROPOSED SITE PLAN  
SCALE:1"=30'-0"

LOCATION	INVERT ELEVATION
DISCHARGE	942.00'
MH1 INLET	939.00'
MH1 OUTLET	938.90'
MH2 INLET	935.40'
MH2 OUTLET	935.30'
HEADWALL	933.42'



WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REVISION DESCRIPTION

DATE

REV. BY

THIS DOCUMENT IS RELEASED  
FOR THE PURPOSE OF INTERIM  
REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 44467

PROPOSED SITE PLAN

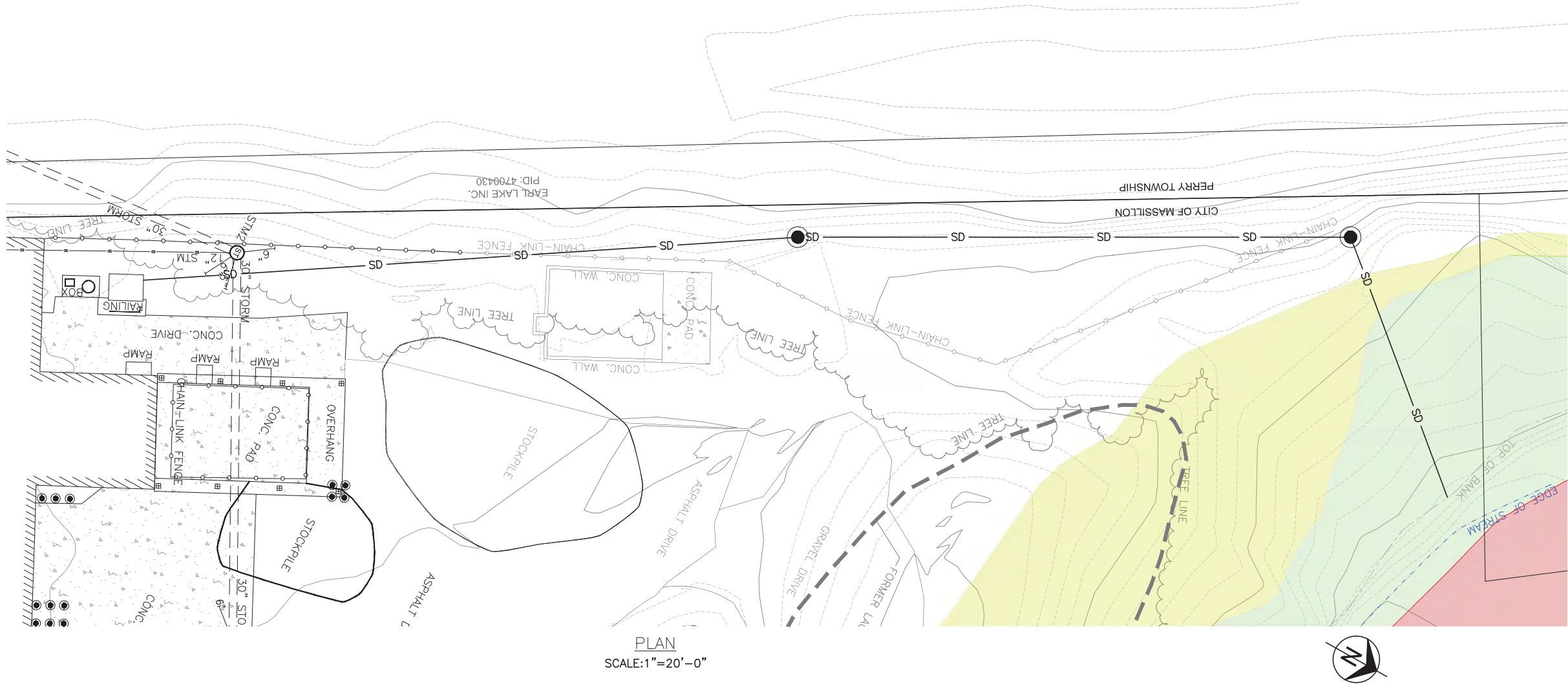
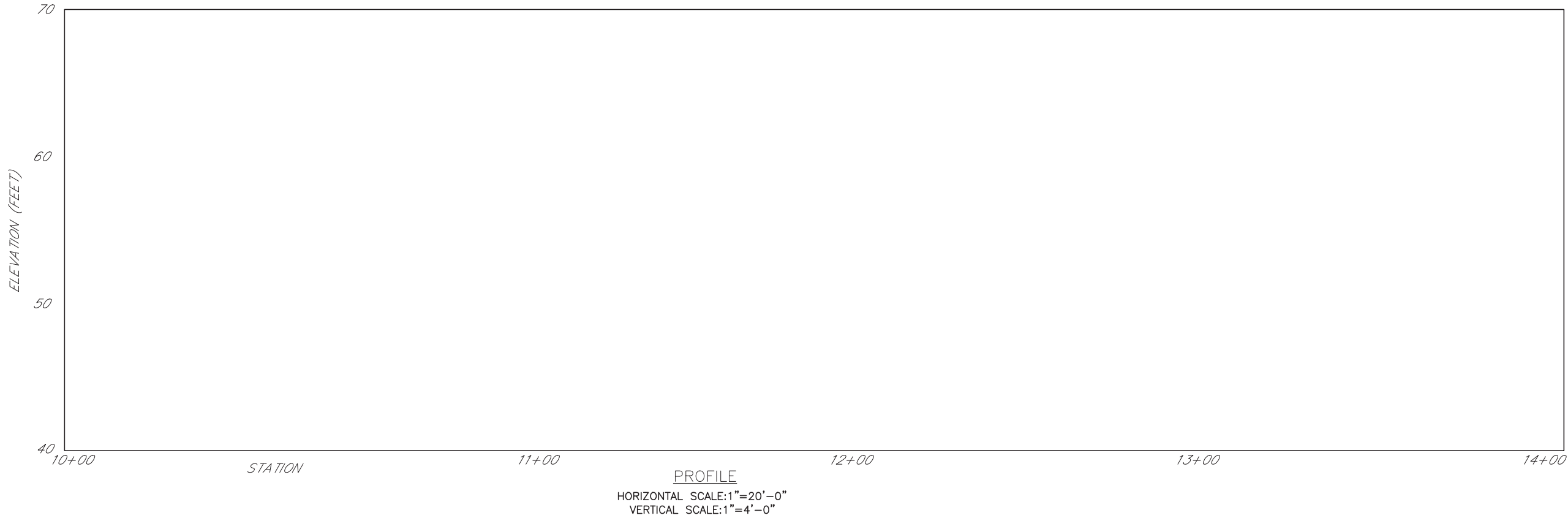
ISSUED FOR	-
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
MB	SS

JOB NO.  
02994.221

C-102

C:\Users\staudts\Desktop\380 PSC Facility Discharge Pipe Relocation\C-103 PLAN PROFILE.dwg Sep 02,2021 -- 11:25am STAUDTS



REV.	BY	DATE	REVISION DESCRIPTION

THIS DOCUMENT IS RELEASED  
FOR THE PURPOSE OF INTERIM  
REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**  
THIS DOCUMENT IS NOT INTENDED  
FOR BIDDING, PERMITTING AND/OR  
CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

SITE PLAN

ISSUED FOR	-
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

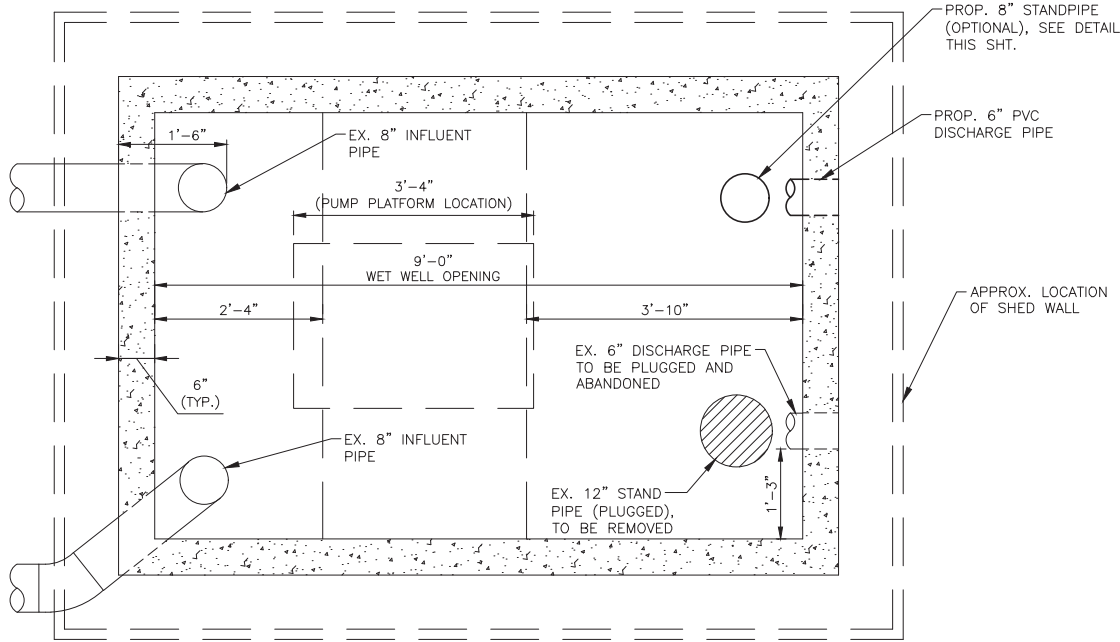
PROJECT MANAGER	DESIGNER
MB	SS

JOB NO.  
**02994.221**

**C-103**

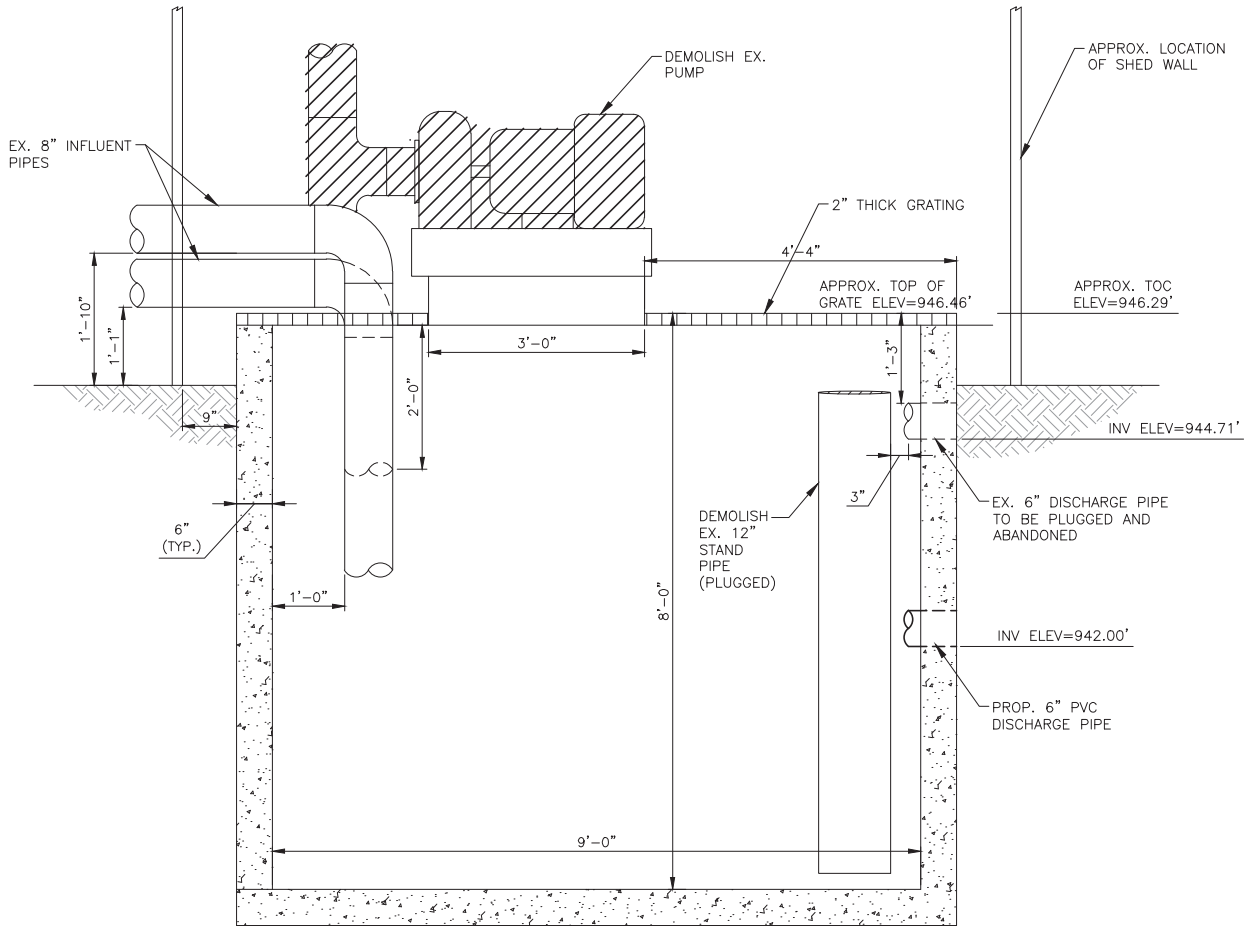


C:\Users\staudts\Desktop\38a\_PSC\_Facility\_Discharge\_Pipe\_Relocation\C-104\_AIR\_STRIPPER.dwg Sep 02,2021 -- 11:26am STAUDTS



AIR STRIPPER WET WELL PLAN

SCALE: 3/4" = 1'-0"



AIR STRIPPER WET WELL SECTION

SCALE: 3/4" = 1'-0"

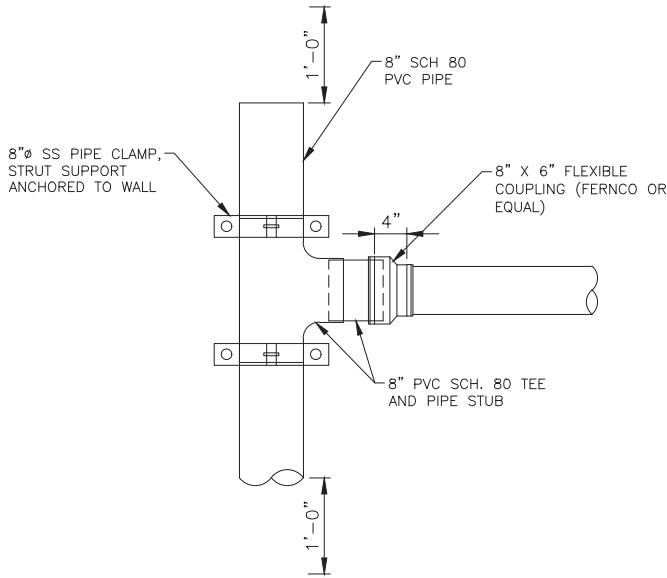


NOTES:

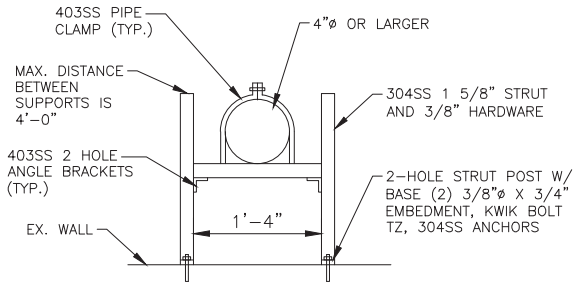
1. ALL ELEVATIONS AND LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
2. WET WELL SHALL BE CLEANED OUT PRIOR TO COMPLETION OF PROPOSED DISCHARGE OUTLET. DEBRIS AND WASH WATER SHALL BE DISPOSED OF BY CONTRACTOR ACCORDING TO REGULATORY REQUIREMENTS.

LEGEND:

 LIMITS OF PIPING AND OR EQUIPMENT TO BE DEMOLISHED/REMOVED




PLAN



ELEVATION

**1** STAND PIPE GUIDE BRACKET DETAIL  
C-104 SCALE: NTS



WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REV.	BY	DATE	REVISION DESCRIPTION

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**  
THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

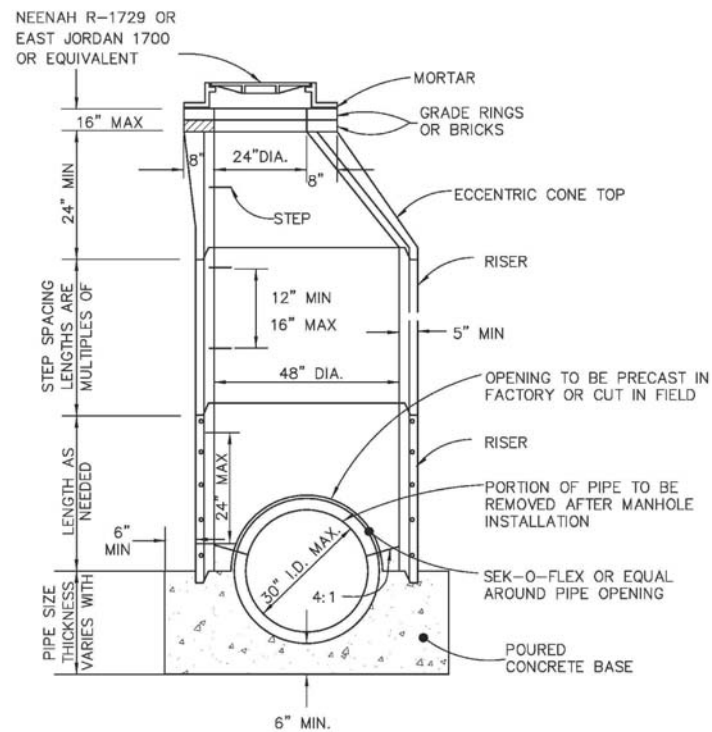
AIR STRIPPER  
PLAN AND SECTION

ISSUED FOR	-
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

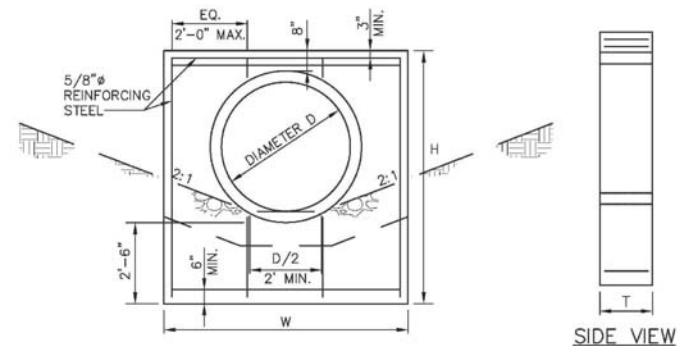
PROJECT MANAGER	DESIGNER
MB	SS

JOB NO.  
**02994.221**

**C-104**



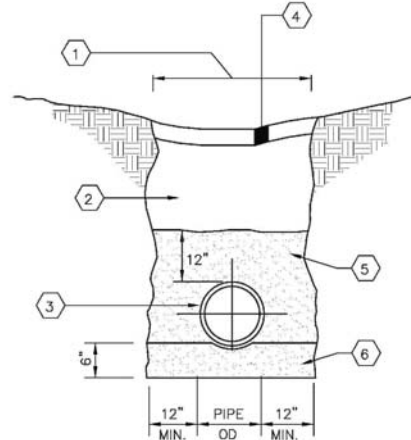
"DOG HOUSE" STRUCTURE  
FOR 30" AND SMALLER PIPE  
N.T.S.



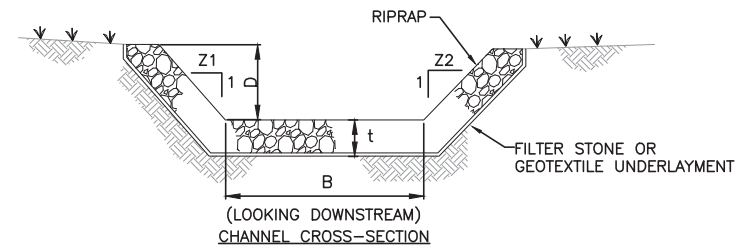
CONCRETE HEADWALL DIMENSIONS			
CIRCULAR			
D	W	H	T
6" & 8"	3'-0"	4'-5"	12"
12"	3'-0"	4'-5"	12"
15"	4'-0"	4'-8"	12"
18"	5'-0"	5'-0"	12"

HEADWALL  
N.T.S.

- ## KEYED NOTES
- 1 EXCAVATE WIDTH OF TRENCH AS NEEDED
  - 2 PLACE SUITABLE SOIL OR GRANULAR BACKFILL IN 6" MAX. LIFTS. SUITABLE SOIL SHALL BE COMPACTED TO 90% MIN. (98% MIN. UNDER PAVEMENT) DRY DENSITY, PER ASTM D698, GRANULAR BACKFILL SHALL BE COMPACTED TO 75% (80% UNDER PAVEMENT) RELATIVE DENSITY, PER ASTM 4353. GRANULAR BACKFILL REQUIRED UNDER PAVEMENT.
  - 3 PROPOSED STORM OR SANITARY SEWER
  - 4 TOPSOIL, SEED/SOD, AND MULCHING OR PAVEMENT AS DETAILED ELSEWHERE.
  - 5 NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE
  - 6 NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 6" BELOW THE BOTTOM OF THE PIPE



SEWER TRENCH  
N.T.S.

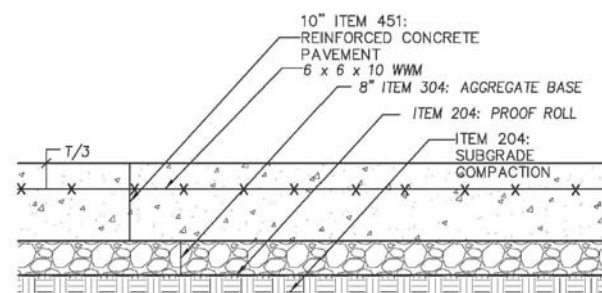


CHANNEL NO.	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)	RIPRAP GRADATION (R- <u>  </u> )	RIPRAP DEPTH t (IN)	UNDERLAYMENT	UNDER-LAYMENT THICKNESS
—	1+00 — 0+XX	—	—	—	—	—	—	NON—WOVEN GEOTEXTILE	—
—	X+XX — X+XX	—	—	—	—	—	—	NON—WOVEN GEOTEXTILE	—

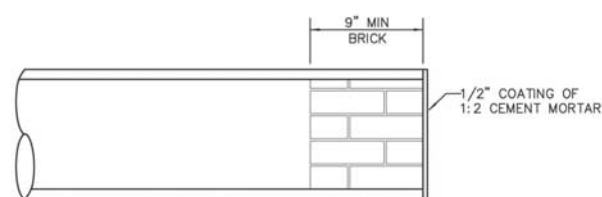
NOTES:

1. FILTER STONE UNDERLAYMENT FOR BED SLOPES  $\geq$  0.10 FT/FT (10 %) SHALL BE USED.
2. CHANNEL DIMENSIONS ARE FOR THE COMPLETED CHANNEL AFTER ROCK PLACEMENT. CHANNEL MUST BE OVER-EXCAVATED A SUFFICIENT AMOUNT TO ALLOW FOR THE VOLUME OF ROCK PLACED WITHIN THE CHANNEL WHILE PROVIDING THE SPECIFIED FINISHED DIMENSIONS.
3. CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED
- WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE.
4. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.
5. THE MINIMUM ROCK THICKNESS (t) SHALL BE 1.5 TIMES THE MAX ROCK SIZE.

STANDARD CONSTRUCTION RIPRAP CHANNEL DETAIL  
N.T.S.



HEAVY DUTY CONCRETE  
PAVEMENT DETAIL  
N.T.S.



THE CONTRACTOR SHALL BULKHEAD EXISTING ABANDONED SEWERS AT POINTS THEY ARE CUT AND AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE EXISTING SEWERS/CONNECTIONS TO BULKHEADS SHALL BE A MINIMUM OF 9 INCHES THICK WITH A 1/2 INCH THICK COATING OF 1 TO 2 CEMENT MORTAR. ALL BRICK SHALL BE CONCRETE SEWER BRICK MEETING THE REQUIREMENTS OF ASTM C-55, TYPE 1, GRADE S-1.

PIPE BULKHEAD  
N.T.S.

- |  |          |                             |  |
|--|----------|-----------------------------|--|
| <p><b>FORMER WORLD KITCHEN, INC.<br/>DISCHARGE PIPE RELOCATION<br/>MASSILLON, OHIO, 444647</b></p> |          | <p><b>CIVIL DETAILS</b></p> |  |
| ISSUED FOR   |          | -                           |  |
| PERMIT   |          | -                           |  |
| BID  |          | -                           |  |
| CONSTRUCTION   |          | -                           |  |
| RECORD   |          | -                           |  |
| PROJECT MANAGER  | DESIGNER |                             |  |
| MB   | SS       |                             |  |
| <p>JOB NO.<br/><b>02994.221</b></p>  |          |                             |  |
| <p><b>C-105</b></p>  |          |                             |  |



[illegible]

THIS DOCUMENT IS RELEASED  
FOR THE PURPOSE OF INTERIM  
REVIEW UNDER THE AUTHORITY OF

*ROBERT J. OTT, P.E.*  
*#85480*  
*SEPTEMBER 2021*

THIS DOCUMENT IS NOT INTENDED  
FOR BIDDING, PERMITTING AND/OR  
CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

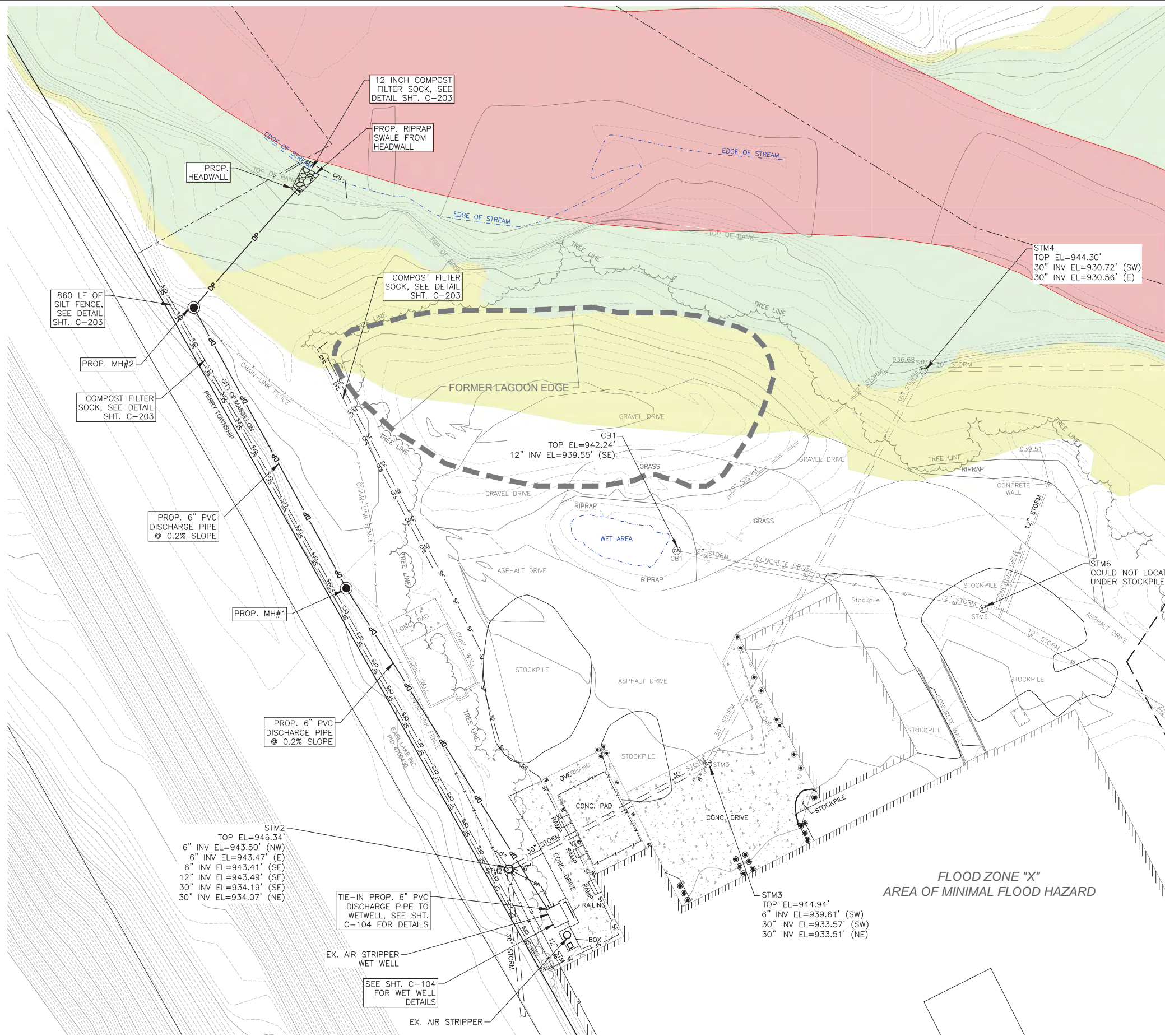
## SWPPP PLAN

ISSUED FOR	—
PERMIT	—
BID	—
CONSTRUCTION	—
RECORD	—

PROJECT MANAGER	DESIGNER
MB	SS

JOB NO.  
02994.221

C-201



SWPPP PLAN

SCALE: 1"=30'-0"





STORM WATER POLLUTION PREVENTION NOTES

1. THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER, OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
2. ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH DISTURBANCE OCCURS.
3. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED IN THESE PLANS.
4. PLANT TEMPORARY SITTING IN MULCHING AT ALL AREAS THAT SHALL BE IN ACTIVE FOR 14 DAYS OR MORE. ALL DISTURBED ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 7 DAYS WITH SEEDING, AS DEFINE ON THE TEMPORARY SEATING TABLE ON SHEET XXXX, TO ESTABLISH THE STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEATING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.
5. PERMANENT VEGETATION SHALL BE INSTALLED WITHIN SEVEN DAYS AT THE COMPLETION OF ANY GRADED AREAS WEATHER PERMITTING.
6. PRIOR TO THE TIME THAT DRAINAGE DIVERTS TO INLETS IN THAT SEDIMENT FILTER SHALL BE INSTALLED AT ALL AND LET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
7. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
8. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
9. CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND AFTER EVERY 1/2" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
10. SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
11. TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND LOGGED BY THE CONTRACTOR FOR INSPECTION, LOGGING SHELBY WEEKLY AND AFTER 1/2" RAIN EVENTS.
12. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN TWO DAYS OF THE INITIAL CLEARING AND GRADING OPERATION AS SHOWN ON THE PLANS.
13. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW MULCH UNTIL SEEDED. OIL IS NOT TO BE USED AS A DUST SUPPRESSANT.
14. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE PERMITS REMAIN ON-SITE.
15. IN THE EVENT OF A LARGE PETROLEUM SPILL (25 OR MORE GALLONS) CONTRACTOR MUST CONTACT THAT OHIO EPA (AT 1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.
16. INSTALL CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT FACILITY, IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY.
17. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT. IF AN EXISTING FENCE IS PARTIALLY AROUND THE PERIMETER OF THE SITE IT COULD BE UTILIZED AS A CONSTRUCTION FENCE DURING WORK.
18. IF ENCOUNTERED DURING SITE REDEVELOPMENT, ANY OILS/GAS WELLS OR MINE SHAFTS MUST BE PROPERLY ABANDONED, VAULTED AND VENTED IN ACCORDANCE WITH CURRENT REGULATIONS AND SPECIFICATIONS OF ALL GOVERNING AUTHORITIES.
19. IF, FOR ANY REASON THE PROJECT, THE PROJECT IS SUSPENDED THE CONTRACTOR SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
20. THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WHICH WILL BE USED IN THIS SITE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

A. SILT FENCE

B. SILT BARRIERS

C. CONCRETE WASHOUT FACILITY

ADDITIONAL CONSTRUCTION SITE POLLUTION CONTROLS

1. WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS SOLVENTS, FUELS, CONCRETE, WOOD, ETC.) MUST BE DISPOSED OF IN ACCORDANCE WITH ORC 3734 AND OR5C 3714. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.
2. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS CONSTRUCTION WASTES:

A. PREVENT SPILLS

B. USE PRODUCTS UP

C. FOLLOW LABEL DIRECTIONS FOR DISPOSAL

D. REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSED TRASH

E. RECYCLE WASTES WHENEVER POSSIBLE

F. DON'T POUR INTO WATER WAYS, STORM DRAINS OR ONTO THE GROUND

G. DON'T POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS

H. DON'T BURY OR BURN CHEMICALS OR CONTAINERS

I. DON'T MIX CHEMICALS TOGETHER
3. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECT OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT AN OHIO EPA APPROVED CD&D LANDFILL.
4. HANDLING CONSTRUCTION CHEMICALS. MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUND, AND ALL OTHER POTENTIAL HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
5. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS.
6. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED AWAY FROM ANY WATER CONVEYANCES.
7. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378).
8. A PERMIT TO INSTALL (PTI) IS REQUIRED PRIOR TO THE CONSTRUCTION OF ALL CENTRALIZED SANITARY SYSTEMS, INCLUDING SEWER EXTENSIONS, AND SEWERAGE SYSTEMS (EXCEPT THOSE SERVING ONE, TWO AND THREE FAMILY DWELLINGS) AND POTABLE WATER LINES. PLANS MUST BE SUBMITTED AND APPROVED BY OHIO EPA. ISSUANCE OF AN OHIO EPA CONSTRUCTION GENERAL STORM WATER PERMIT DOES NOT AUTHORIZE THE INSTALLATION OF ANY SEWERAGE SYSTEM WHERE OHIO EPA HAS NOT APPROVED A PTI.
9. PLEASE REFER TO THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL, CURRENT EDITION, FOR ADDITIONAL INFORMATION.

CONSTRUCTION SEQUENCE

(REFER TO FULL PLAN SET FOR PROJECT-SPECIFIC ADDITIONS, IF APPLICABLE.)

1. SEE TREE PROTECTION NOTES ON SHEET X-XXX.
2. HOLD PRE-CONSTRUCTION CONFERENCE.
3. TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
5. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS APPROVED BY THE AUTHORIZING EPA OFFICE.
6. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING RELOCATION OF DISCHARGE PIPE.
7. COMPLETE SITE WORK AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.
8. MAINTAIN EROSION & SEDIMENT CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.
9. REMOVE SEDIMENT CONTROLS.
10. THE FOLLOWING ITEMS MUST BE COMPLETED IN ORDER BY THE CONTRACTOR, ONCE THE SITE HAS BEEN DEEMED STABLE:

A. SITE CLEAN UP

B. RESEED ANY AREAS THAT REQUIRE ADDITIONAL SEED

C. SILT FENCE SHOULD BE CLEANED, REMOVED, BACKFILLED AND SEEDED WITH PERMANENT SEEDING.

D. VERIFY POSITIVE DRAINAGE FLOW IN ALL DRAINAGE STRUCTURE REPAIRS AS NECESSARY.

NPDES PERMIT

THE EXISTING TREATED GROUNDWATER DISCHARGE IS AUTHORIZED BY NPDES PERMIT NUMBER: 3IC00009.

STORM WATER POLLUTION PREVENTION NARRATIVE

PROJECT DESCRIPTION

THIS SITE IS HOME TO AN EXISTING METAL RECYCLING PLANT. CONSTRUCTION WILL INCLUDE TEMPORARY EARTH DISTURBANCE FOR RELOCATION OF DISCHARGE PIPE SERVICING THE AIR STRIPPER OPERATION ON SITE. NO CHANGES OF LANDCOVER ARE PROPOSED.

PROJECT COMPLETION STATISTICS

PARCEL SIZE: 3.61 ACRES  
TOTAL DISTURBED AREA: 0.XX ACRES

EXISTING LAND USE FOR THE SITE INDUSTRIAL

ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA: 0.XX ACRES  
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT: XX%  
PRE- CONSTRUCTION RUN- OFF COEFFICIENT: 0.83

PROPOSED LAND USE WILL REMAIN AS INDUSTRIAL

ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA: 0.XX ACRES  
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT: XX%  
PRE- CONSTRUCTION RUN- OFF COEFFICIENT: 0.83

EXISTING SITE SOIL TYPES:

An: ALLUVIAL LAND-URBAN LAND COMPLEX  
REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY

WETLAND INFORMATION:

THERE ARE NO WETLANDS ON THIS SITE.

CONTROL RATIONAL AND DESCRIPTION:

NO CHANGE IN WATER QUALITY CONTROL IS PROPOSED.

LONG TERM MAINTENANCE AND PERMANENT BMPS

CONSTRUCTION OF PERMANENT BMPS IS NOT PROPOSED FOR THIS PROJECT.

PROJECT LOCATION MAP



WESTON SOLUTIONS

WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REVISION DESCRIPTION

DATE

REV. BY

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**  
THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

SWPPP NOTES

ISSUED FOR

PERMIT

BID

CONSTRUCTION

RECORD

PROJECT MANAGER

DESIGNER

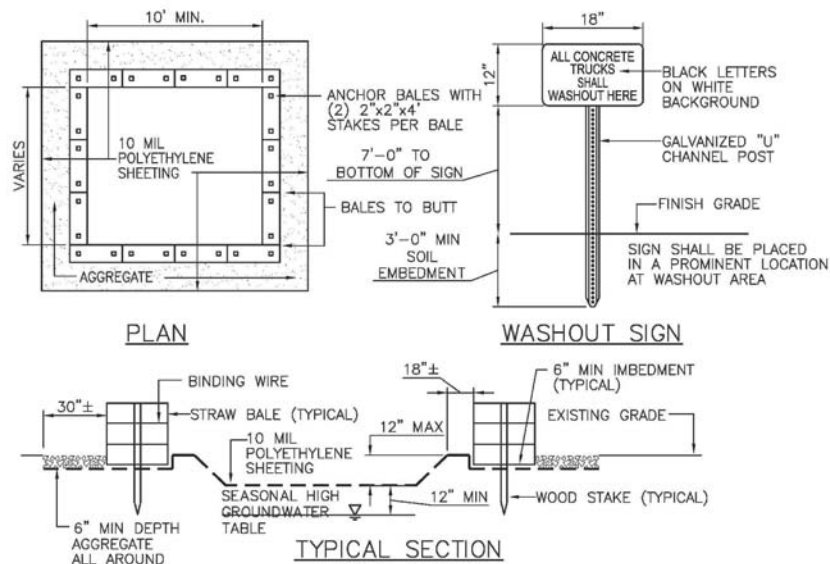
MB

SS

JOB NO.  
02994.221

C-202

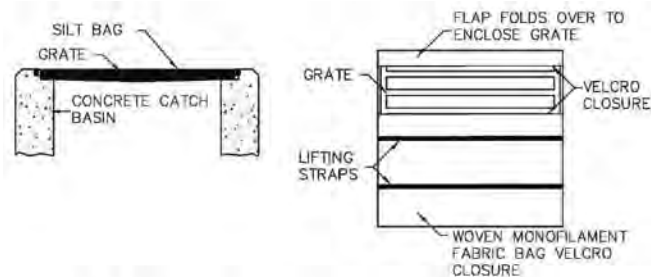




NOTES:

1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
4. TRUCKS MUST BE EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT AREA



### INSTALLATION:

1. STAND THE GRATE ON END.
2. PLACE THE SILT BAG OVER THE GRATE.
3. ROLL THE GRATE OVER SO THAT THE OPEN END IS UP.
4. PULL UP THE BAG.
5. TUCK THE FLAP IN.
6. PRESS THE VELCRO STRAPS TOGETHER.
7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR THE SILT BAG WILL NOT WORK PROPERLY.
8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED INTO THE CATCH BASIN FRAME.

MAINTENANCE:

TO INSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

INLET INSPECTION:

TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE,  
INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO  
GRATE FRAME.

NOTE:  
PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED  
REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE  
OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

### SILT BAG INLET PROTECTION

NOTES:

- 3) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
- 2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
- 3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
- 4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
- 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
- 6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
- 7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.
- 9) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
- 9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
- 10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
- 11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
- 12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- 13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

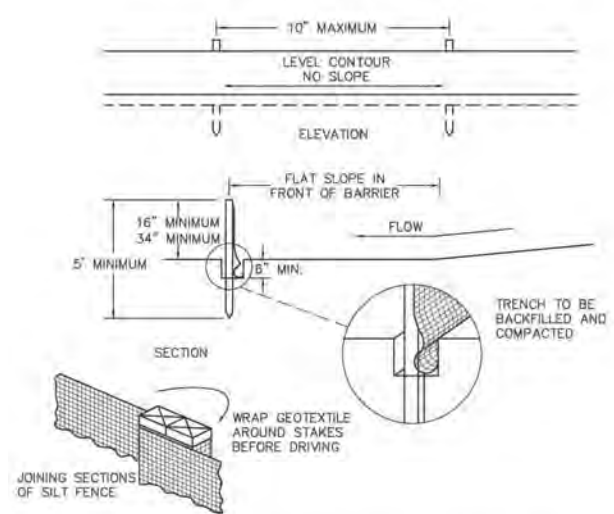
MAINTENANCE:

SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO INSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS						
MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPP)	
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"	
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI	
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.	
FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS	
TWO-PLY SYSTEMS						
INNER CONTAINMENT NETTING			HDPE BIAXIAL NET			
			CONTINUOUSLY WOUND			
			FUSION-WELDED JUNCTURES			
			3/4" X 3/4" MAX. APERTURE SIZE			
OUTER FILTRATION MESH			COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)			
			3/16" MAX. APERTURE SIZE			
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS						

COMPOST SHALL MEET THE FOLLOWING STANDARDS:

ORGANIC MATTER CONTENT	80% – 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 – 8.0
MOISTURE CONTENT	35% – 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS MAXIMUM

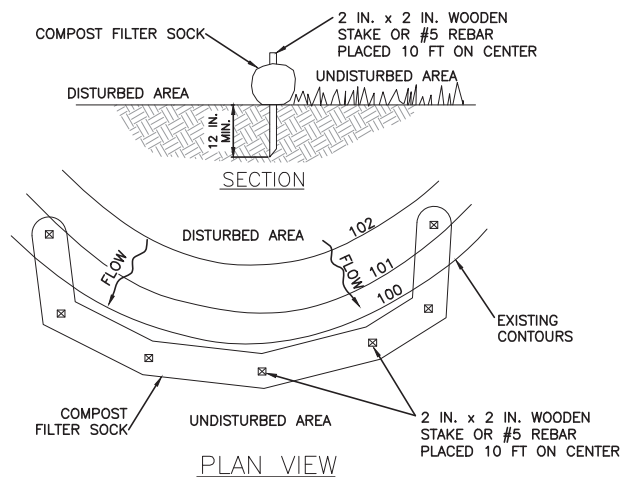


CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, ODOT 712.09, TYPE C

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LB. MINIMUM	ASTM D 4632
MINIMUM BURST STRENGTH	200 PSI MINIMUM	
MINIMUM PERMITTIVITY	1x10 <sup>-2</sup> sec-1	ASTM D 4491
APPARENT OPENING SIZE	AOS ≤ 0.84 mm	ASTM D 4751
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4335
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180N)	ASTM D 4533

SILT FENCE

N.T.S.



NOTES:

SOCK FABRIC SHALL BE A 3 OR 4 MIL HDPE THICKNESS. SOCK SHALL BE 12" IN DIAMETER.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK; THE SOCK AND STAKES OR #5 REBAR SHALL BE REMOVED.

## COMPOST FILTER SOCK

N.T.S.

WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

[illegible]

THIS DOCUMENT IS RELEASED  
FOR THE PURPOSE OF INTERIM  
REVIEW UNDER THE AUTHORITY OF

#85480

THIS DOCUMENT IS NOT INTENDED  
FOR BIDDING, PERMITTING AND/OR  
CONSTRUCTION PURPOSES

SEPTEMBER 2021

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

SWPPP DETAILS  
SHEET 1 OF 2

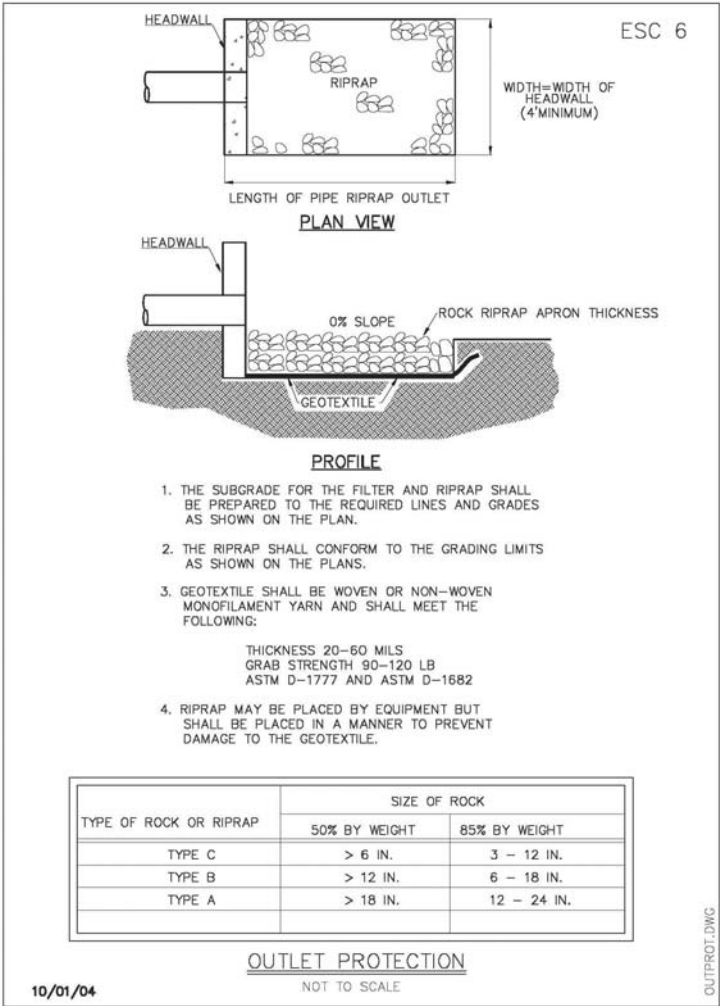
ISSUED FOR	—
PERMIT	—
BID	—
CONSTRUCTION	—
RECORD	—

PROJECT MANAGER	DESIGNER
MB	SS

JOB NO.  
02994.221

C-203

C:\Users\staudts\Desktop\38a\_PSC\_Facility\_Discharge\_Pipe\_Relocation\C-203 - C-204 SWPPP DTL.S.dwg Sep 02,2021 -- 11:24am STAUDTS



WESTON

SOLUTIONS

WESTON SOLUTIONS, INC.  
1400 WESTON WAY  
WEST CHESTER, PA  
19380

REVISION DESCRIPTION

DATE

REV. BY

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF  
**ROBERT J. OTT, P.E.**  
**#85480**  
**SEPTEMBER 2021**  
THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

FORMER WORLD KITCHEN, INC.  
DISCHARGE PIPE RELOCATION  
MASSILLON, OHIO, 444647

SWPPP DETAILS  
SHEET 2 OF 2

ISSUED FOR

PERMIT

BID

CONSTRUCTION

RECORD

PROJECT MANAGER

DESIGNER

MB

SS

JOB NO.

02994.221

C-204