



















REV	DATE	DRAWN BY	DESCRIPTION

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STATE OF NEW YORK  
 RUSSELL T. McFALL II  
 NEW YORK LICENSED PROFESSIONAL ENGINEER  
 LICENSE NUMBER: 99090  
 1/2/19

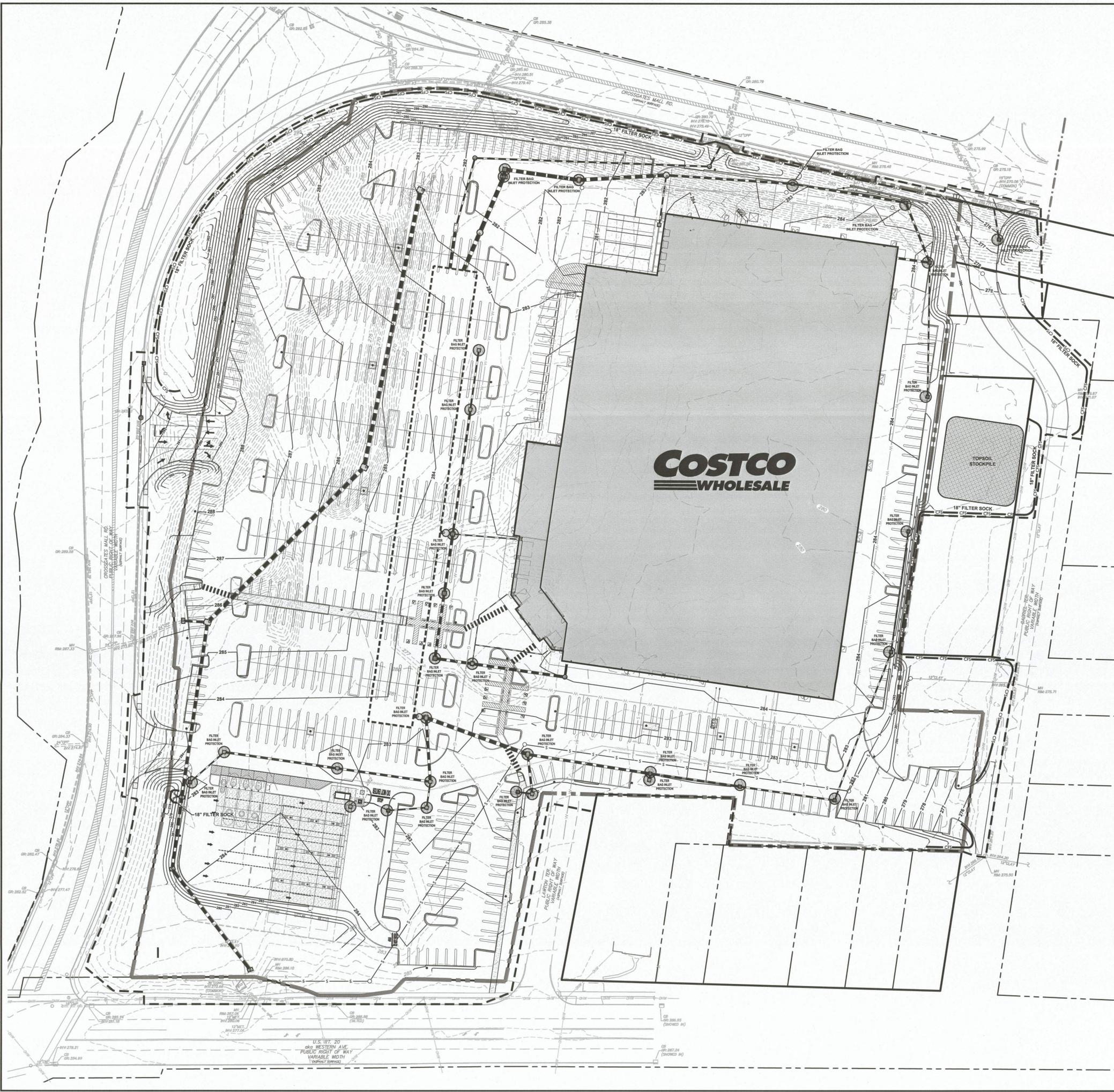
PRELIMINARY/FINAL  
 LAND DEVELOPMENT  
 FOR  
**COSTCO**  
 WHOLESALE  
 CROSSGATES MALL  
 TOWN OF GUILDERLAND  
 ALBANY COUNTY  
 STATE OF NEW YORK

EXTON OFFICE  
 410 Englewood Boulevard  
 Suite 104  
 Exton, PA 19341  
 Phone: 610.254.9140  
 Fax: 610.254.9141

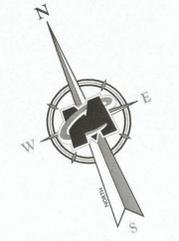
SCALE	DATE	DRAWN BY	CHECKED BY
AS SHOWN	10/28/19	DMJ	RTM
PROJECT NUMBER	DRAWING NAME		
13001204A	C-SEC		

SHEET TITLE  
**EROSION CONTROL  
 FINAL PHASE**

SHEET NUMBER  
 10 of 20



- FINAL SEQUENCE OF ACTIVITIES:**
- AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PREPARER, AND THE SOIL CONSERVATION DISTRICT TO AN ON-SITE MEETING.
- AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED ON THOSE ACTIVITIES SHALL NOTIFY THE NEW YORK UTILITY ONE-CALL SYSTEM AT 811 TO ORDER A UTILITY MARK-OUT AT THE SITE.
- ALL STRUCTURES ASSOCIATED WITH THE CONSTRUCTION OF SEDIMENT REMOVAL FACILITIES MUST BE ON-SITE PRIOR TO EARTH DISTURBANCE.
- CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO INSTITUTE ADDITIONAL MEASURES IF ANY EROSION AND SEDIMENT CONTROL PROBLEMS ARISE PRIOR TO THE STABILIZATION OF EROSION AND SEDIMENTATION CONTROL MEASURES ON-SITE.
- THIS PLAN IS A CONTINUATION OF PROCEDURES INITIATED ON THE DEMOLITION, INITIAL SITE PREPARATION AND ROUGH GRADING PLANS.
- INSPECT ALL SOIL EROSION / SEDIMENT CONTROL MEASURES INCLUDING BUT NOT LIMITED TO SEDIMENT CONTROL BARRIERS AND STONE CONSTRUCTION ACCESS, REPAIR OR REPLACE AS NECESSARY.
  - CONSTRUCT UNDERGROUND STORMWATER MANAGEMENT SYSTEM COMPLETE WITH DISCHARGE CONTROL STRUCTURE.
  - FINISH CONSTRUCTION OF ALL REMAINING STORM SEWERS.
  - FINISH CONSTRUCTION OF ALL ON-SITE UNDERGROUND UTILITIES AND BUILDING SERVICE CONNECTIONS, CONSTRUCT FOUNDATIONS FOR AREA LIGHT STANCHIONS AND RUN ELECTRIC SERVICE TO FOUNDATIONS AND FOR ALL ILLUMINATED SIGNS (DIRECTIONAL, MONUMENT, AND PYLON).
  - FINISH CONSTRUCTION OF ALL CURBING AROUND PERIMETER OF NEW PARKING AND DRIVEWAY AREAS. CONSTRUCT CURBING AROUND BUILDING. CONSTRUCT CURBING AROUND LANDSCAPE ISLANDS.
  - FINISH PLACEMENT OF PAVING STONE BASE COURSE ON AREAS TO BE PAVED AND COMPACTED.
  - ALL INLETS SET DURING ROUGH GRADING OPERATIONS WITH TEMPORARY GRATE ELEVATIONS ARE TO BE SET TO PERMANENT GRATE ELEVATIONS AS SOON AS PAVING STONE BASE HAS BEEN PLACED AROUND THE INLET. REPLACE CRUSHED STONE INLET PROTECTION WITH FILTER BAG INLET PROTECTION.
  - CONSTRUCT ALL CONCRETE PADS AND CONCRETE PAVEMENT.
  - INSTALL ASPHALT PAVING BINDER COURSE.
  - INSTALL ALL SIGNS ON THE SITE INCLUDING TRAFFIC CONTROL AND DIRECTIONAL SIGNS.
  - SPREAD TOPSOIL IN ALL AREAS TO BE LANDSCAPED OR SEEDED AND ESTABLISH PERMANENT GROUND COVER AND LANDSCAPING AS SPECIFIED BY LANDSCAPING PLAN. MULCH ALL EXPOSED AREAS AS SPECIFIED BY THESE PLANS.
  - INSTALL FINAL PAVING WEARING SURFACE. APPLY PARKING AREA AND TRAFFIC CONTROL PAVEMENT PAINT.
  - REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS. ESTABLISH PERMANENT VEGETATION ON ALL AREA DISTURBED BY THE REMOVAL OF THE TEMPORARY CONTROLS. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 85 PERCENT PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.



SCALE: 1" = 40'





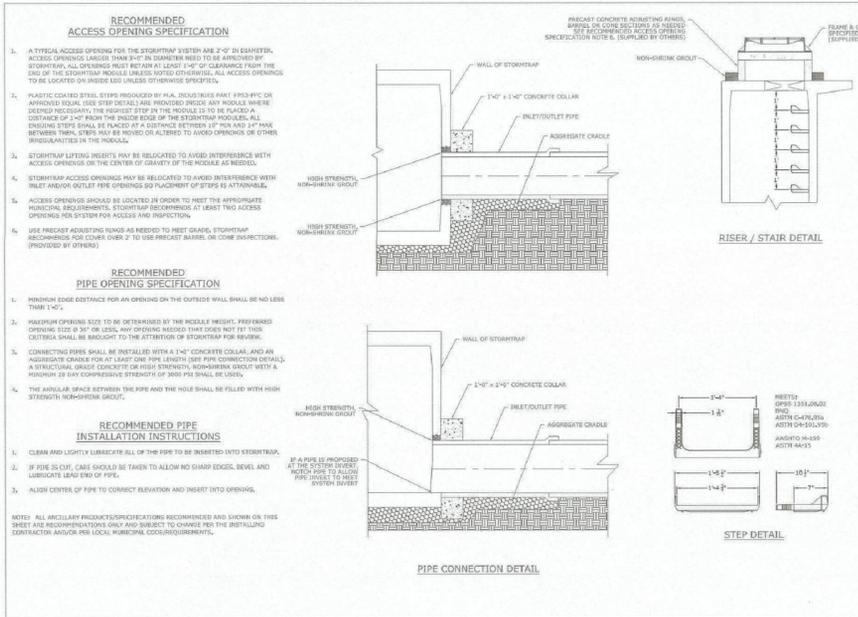












**StormTrap**

1387 WINDHAM PARKWAY  
ROSELAND, IL 60442  
PH: 815-951-0549 / F: 815-951-0531

**ENGINEER INFORMATION:**  
MASER CONSULTING  
410 EAGLEVIEW BLVD  
EXTON, PA  
610-254-9140

**PROJECT INFORMATION:**  
COSTCO  
CROSSGATES MALL  
ALBANY, NY  
CURRENT ISSUE DATE:  
3/29/2019

ISSUED FOR:  
PRELIMINARY

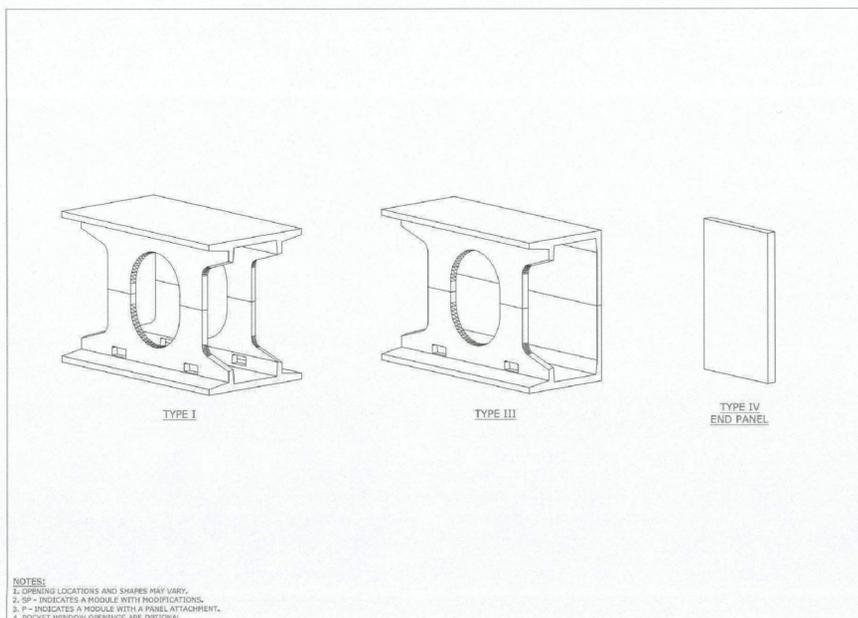
REV. DATE: ISSUED FOR: PWR: DTN

3/29/2019 PRELIMINARY 2W

SCALE:  
NFS

SHEET TITLE:  
RECOMMENDED  
PIPE / ACCESS  
SPECIFICATIONS

SHEET NUMBER:  
**5.0**



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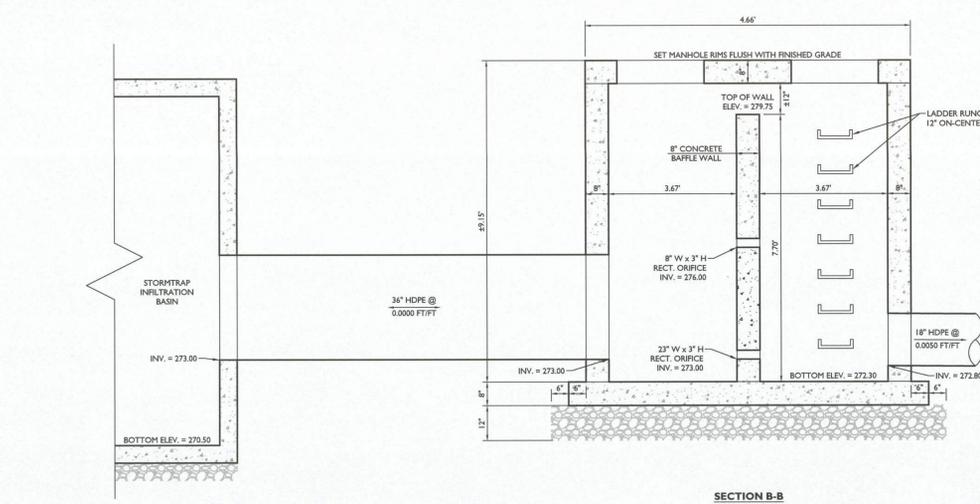
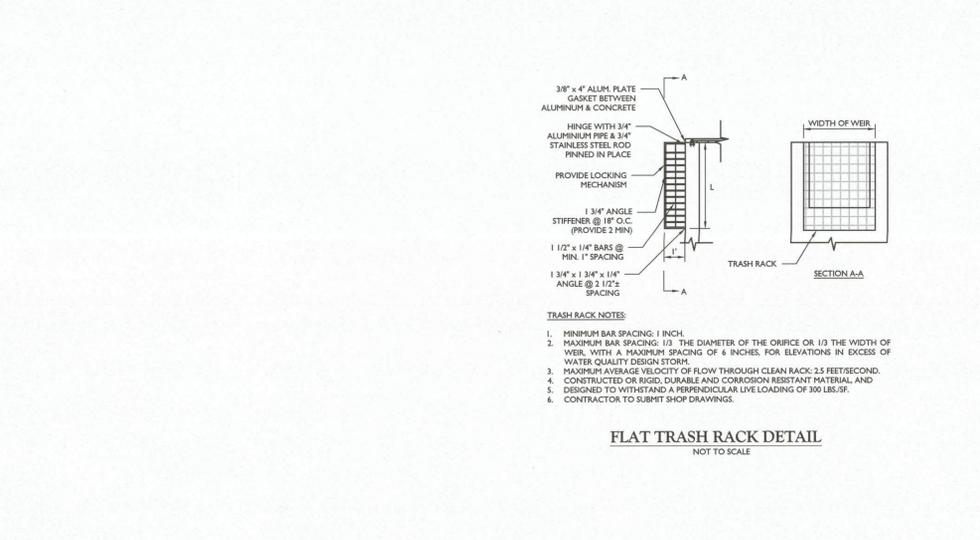
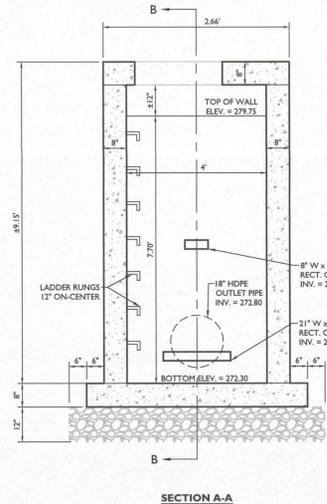
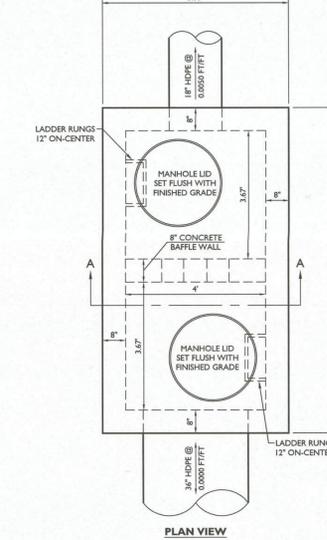
REV. DATE: ISSUED FOR: PWR: DTN

3/29/2019 PRELIMINARY 3W

SCALE:  
NFS

SHEET TITLE:  
DOUBLETRAP  
MODULE TYPES

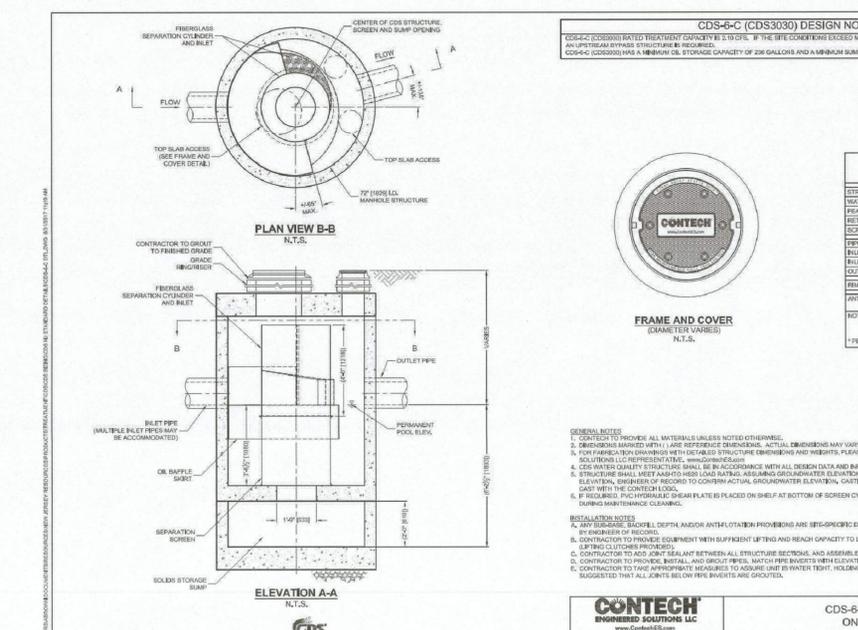
SHEET NUMBER:  
**6.0**



**OUTLET CONTROL STRUCTURE I DETAIL**  
N.T.S.

**NOTES:**

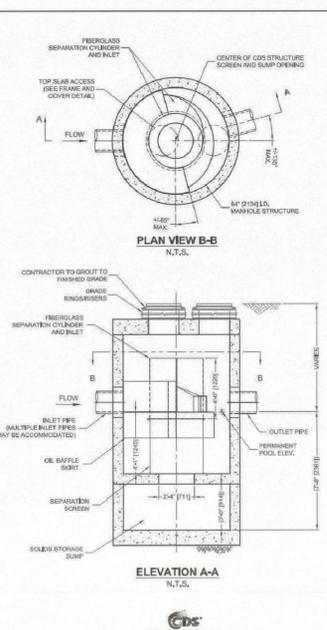
- CONTRACTOR MUST SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION FOR REVIEW AND APPROVAL.
- TRASH RACKS HAVE BEEN OMITTED FROM THE PLAN VIEW, SECTION A-A, AND SECTION B-B FOR CLARITY.
- CONCRETE SHALL BE CLASS A.



**CONTECH ENGINEERED SOLUTIONS LLC**

3001 Cross Park Dr., Suite 400, West Chester, OH 45380  
PH: 513-333-1122 FAX: 513-333-1122

**CDS-6-C (CDS3030) ONLINE CDS STANDARD DETAIL**



**CONTECH ENGINEERED SOLUTIONS LLC**

3001 Cross Park Dr., Suite 400, West Chester, OH 45380  
PH: 513-333-1122 FAX: 513-333-1122

**CDS-7-C (CDS3535) ONLINE CDS STANDARD DETAIL**

**CONTECH CDS SYSTEM OPERATION AND MAINTENANCE:**

- THE CDS SYSTEM REQUIRES REGULAR INSPECTION AND MAINTENANCE TO ENSURE OPTIMAL PERFORMANCE. MAINTENANCE FREQUENCY WILL BE DETERMINED BY SITE CONDITIONS. QUARTERLY VISUAL INSPECTIONS ARE RECOMMENDED, AT WHICH TIME THE ACCUMULATION OF POLLUTANTS CAN BE DETERMINED. ON AVERAGE, THE CDS SYSTEM REQUIRES ANNUAL REMOVAL OF ACCUMULATED POLLUTANTS.

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State of N.Y. Certificate of Authorization: 006877/0008821

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**RUSSELL T. McFALL II**  
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 090030

**PRELIMINARY/FINAL LAND DEVELOPMENT**

FOR  
**COSTCO WHOLESALE**

**CROSSGATES MALL**

**TOWN OF GUILDERLAND ALBANY COUNTY STATE OF NEW YORK**

**EXTON OFFICE**  
410 Englewood Boulevard  
Suite 104  
Exton, PA 19341  
Phone: 610.254.9140  
Fax: 610.254.9141

SCALE: AS SHOWN DATE: 10/28/19 DRAWN BY: DML CHECKED BY: KTM  
PROJECT NUMBER: 1300126A DRAWING NAME: C-DLS  
SHEET TITLE: STORMWATER MANAGEMENT DETAILS  
SHEET NUMBER: 18 of 20



