SEE SHEET 6 FOR CONTINUATION
3. SANITARY SEWER LENGTHS SHOWN ON PROFILES REPRESENT THE DISTANCE FROM THE CENTER OF MANHOLE TO
2. SPECIAL MANHOLE ADJUSTMENT RISERS ARE REQUIRED FOR STREET GRADES OF 2% OR GREATER. (SEE DETAIL)

NOTES:
1. ALL INLET TOPS ARE TYPE C WITH A 6" REVEAL UNLESS NOTED OTHERWISE.

Profile View Of Zestar Drive Sta: 27+00.00 To 32+00.00
Profile View Of Q To Q1 Sta: 0+00.00 To 1+75.00
Profile View Of M9 To M10 Sta: 0+00.00 To 1+75.00
SAFE GRATES.

NOTE: ALL INLETS TO HAVE PENN DOT TYPE BICYCLE SAFE GRATES.

TYPICAL STORM INLET CONSTRUCTION

SECTION A-A

TYPE M INLET

GRATE

INLET BOX

CONCRETE TOP UNIT

GRADE ADJUSTMENT RING

SECTION B-B

BICYCLE SAFE

NOTE: ALL INLETS TO HAVE PENN DOT TYPE BICYCLE SAFE GRATES.

TYPICAL STORM INLET CONSTRUCTION

SECTION A-A

TYPE M INLET

GRATE

INLET BOX

CONCRETE TOP UNIT

GRADE ADJUSTMENT RING

SECTION B-B

BICYCLE SAFE

NOTE: ALL INLETS TO HAVE PENN DOT TYPE BICYCLE SAFE GRATES.

TYPICAL STORM INLET CONSTRUCTION

SECTION A-A

TYPE M INLET

GRATE

INLET BOX

CONCRETE TOP UNIT

GRADE ADJUSTMENT RING

SECTION B-B

BICYCLE SAFE

NOTE: ALL INLETS TO HAVE PENN DOT TYPE BICYCLE SAFE GRATES.

TYPICAL STORM INLET CONSTRUCTION

SECTION A-A

TYPE M INLET

GRATE

INLET BOX

CONCRETE TOP UNIT

GRADE ADJUSTMENT RING

SECTION B-B

BICYCLE SAFE
FILTER BAG INLET PROTECTION - TYPE C INLET

Use NO6 Geotextile Class 1 Type B.

FILTER BAG INLET PROTECTION - TYPE B INLET

Use NO6 Geotextile Class 1 Type B.

PUMPED WATER FILTER BAG

TEMPORARY LEVEL SPREADER

FIGURE 3.18
Typical Compost Sock Washout Installation

A suitable impervious geomembrane shall be placed at the location of the washout prior to installing the socks.

Adapted from Filtrex

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STANDARD CONSTRUCTION DETAIL #7-5
TRASH RACK AND ANTI-VORTEX DEVICE

STANDARD CONSTRUCTION DETAIL #7-6
SEDIMENT BASIN EMBANKMENT AND SPILLWAY DETAILS

PERFORATED RISER

BASIN NO.
Z1 (FT)
Z2 (FT)

TEMPORARY RISER BARREL

DIA TRd (IN)
CREST ELEV TRCE (FT)

MAT'L DIA Bd (IN)
INLEY ELEV BIE (FT)
MAT'L LENGTH (FT)
OUTLET ELEV BOE (FT)

A
3
3
30
441.50
CMP
18
435.00
CMP
6
434.62

EMBANKMENT CLEANOUT ELEV COE (FT)
BOTTOM ELEV BE (FT)
TOP ELEV ET (FT)
TOP WIDTH ETw (FT)

KEY TRENCH DEPTH (FT)
KEY TRENCH WIDTH (FT)

EXC 444.00 8 EXC EXC 437.00 435.00

STANDARD CONSTRUCTION DETAIL #7-7
SEDIMENT BASIN TEMPORARY RISER

* SEE STANDARD CONSTRUCTION DETAIL #7-5, TRASH RACK AND ANTI-VORTEX DEVICE
** LOWEST ROW OF HOLES AT SEDIMENT CLEAN-OUT ELEVATION

PERFORATIONS
CONCRETE BASE

BASIN NO.

TEMPORARY RISER PERFORATIONS

DIA TRd (IN)
CREST ELEV TRCE (FT)

MAT'L LOWEST ROW OF HOLES ELEV (FT)

NO. ROWS** NO. HOLES PER ROW

VERT. SPACING OF ROWS (FT)

LENGTH AND WIDTH CBI (IN)
THICKNESS CBt (IN)

INLET ELEV BIE (FT)

A
30
441.50
CMP
437.00
9
16
0.5
60
13.5
435.00

STANDARD CONSTRUCTION DETAIL #7-14
BAFFLE BASIN OR TRAP

BASIN OR TRAP NO.

BAFFLE TEMPORARY RISER

BOTTOM LENGTH Bal (FT)
HEIGHT Bah (FT)
CREST ELEV. TRCE (FT)

BOTTOM ELEV BE (FT)

A
296
6.5
441.50
435.00

STANDARD CONSTRUCTION DETAIL #7-18
SEDIMENT BASIN OR SEDIMENT TRAP

SEDIMENT STORAGE DEWATERING FACILITY

TOP GRATE 442.60

SEDIMENT BASIN #A OUTLET STRUCTURE

PERMANENT EMERGENCY SPILLWAY DETAIL

NOTE:
SEDIMENT BASIN A WAS APPROVED AND BUILT WITH PHASE 4 OF ORCHARD GLEN PRD. THE ABOVE DETAILS MAY BE REFERENCED FOR MAINTENANCE PURPOSES.
STANDARD CONSTRUCTION DETAIL #7-14

Baffle Basin or Trap

NO.  

Temporary Riser

Bottom Length  
Bal (FT)

Height  
Bah (FT)

Crest Elev.  
TRCE (FT)

Bottom Elev.  
BE (FT)

B  
204 + 112  
4.6  
496.60  
492.00

STANDARD CONSTRUCTION DETAIL #7-18

Sediment Basin or Sediment Trap

Sediment Storage Dewatering Facility

SEDIMENT BASIN #B OUTLET STRUCTURE

TEMPORARY EMERGENCY SPILLWAY DETAIL

STANDARD CONSTRUCTION DETAIL #7-1

Skimmer Basin

NO.  

Water Surface Elev.  
WSE (FT)

Arm Length  
ARM (FT)

Arm Dia.  
ARM (IN)

Orifice Dia.  
ORIFICE (IN)

Top of Landing Device Elev.  
ETE (FT)

Flexible Hose Length  
LENGTH (IN)

Flexible Hose Attachment Elev.  
ETE (FT)

B  
496.60  
5.0  
3.0  
3.0  
493.20  
12  
493.20

STANDARD CONSTRUCTION DETAIL #7-2

Skimmer Attached to Permanent Riser

BASIN

NO.  

WATER SURFACE ELEV.  
WSE (FT)

SKIMMER ORIFICE ARM LENGTH  
SAL (FT)

SKIMMER ORIFICE ARM DIA.  
SAd (IN)

HEAD (FT)

DIA.

LENGTH  
LENGTH (IN)

MAT' L DIA.  
MAT' L (IN)

LENGTH  
LENGTH (IN)

MAT' L  
PVC  
3.0  
12

LENGTH

PE

STANDARD CONSTRUCTION DETAIL #7-3

Skimmer with Stone Landing Berm

BASIN

NO.  

Z1 (FT)

Z2 (FT)

TEMP RISER EXT. ELEV  
TRE (FT)

PERM. STRUC. CREST ELEV.  
PSCE (FT)

EMBANKMENT CLEAN OUT ELEV  
COE (FT)

BOTTOM ELEV  
BE (FT)

TOP ELEV  
ETE (FT)

TOP WIDTH  
ETW (FT)

KEY TRENCH DEPTH  
TCD (FT)

KEY TRENCH WIDTH  
TWD (FT)

B  
3  
3

LENGTH  
LENGTH (IN)

WIDTH  
WIDTH (IN)

B  
8

LENGTH

PVC

LENGTH

SBCPP

LENGTH

486.73

STANDARD CONSTRUCTION DETAIL #7-4

Sediment Basin Embankment and Spillway Details - Skimmer

BASIN

NO.  

Z1 (FT)

Z2 (FT)

TEMP RISER EXT. ELEV  
TRE (FT)

PERM. STRUC. CREST ELEV.  
PSCE (FT)

EMBANKMENT CLEAN OUT ELEV  
COE (FT)

BOTTOM ELEV  
BE (FT)

TOP ELEV  
ETE (FT)

TOP WIDTH  
ETW (FT)

KEY TRENCH DEPTH  
TCD (FT)

KEY TRENCH WIDTH  
TWD (FT)

B  
3

LENGTH  
LENGTH (IN)

WIDTH  
WIDTH (IN)

B  
8

LENGTH

PVC

LENGTH

SBCPP

LENGTH

486.73

NOTE:

SEDIMENT BASIN B WAS APPROVED AND BUILT WITH PHASE 5 OF ORCHARD GLEN PRD. THE ABOVE DETAILS MAY BE REFERENCED FOR MAINTENANCE PURPOSES.
NOTE: ROADS ARE SHOWN AT 3% RISE FROM THE RAMP. THIS RESULTS IN EASEMENTS FROM THE SIDEWALK, AND THEY EXTEND 2' ALONG THE SIDEWALK. THE POINT AT WHICH THE BACK SIDE OF THE SIDEWALK TIES TO THE RIGHT-OF-WAY LINE.