Engineering Design Standards:

The engineering design standards following this Section shall be utilized for all designs and construction in the Town and shall take precedence over any standards referenced elsewhere in the Town Code which are in conflict with said standards, to wit;

a. Figure A – Arterial Street – Typical Section
b. Figure B – Local Street – Typical Section
c. Figure C – Asphalt Pavement Repair
d. Figure D – Mountable Curb and Gutter
e. Figure E – Barrier Curb and Gutter
f. Figure F – Sub-Surface Drain
g. Figure G – Storm Sewer Catch Basin
h. Figure H – Flared End Section
i. Figure I – Sanitary Sewer Manhole
j. Figure J – Drop Manhole
k. Figure K – Sewage Air Valve Structure
l. Figure L – Sanitary Sewer Clean-Out Detail
m. Figure M – Service Connection
n. Figure N – Typical Fill Cut-In Wye
o. Figure O – Typical Trench Detail
p. Figure P – Typical Casing Spacers
q. Figure Q – Silt Fence Barrier Installation
r. Figure R – Straw Bale Barrier Installation
Figure "c" of town of Burns Harbor.

- **Asphalt Pavement Repair**
- **Trench Backfill**
  - No. 53 stone compacted to 95% mod. Proctor density
- **Pipe Bedding**
  - No. 53 stone compacted to 98% mod. Proctor density
- **Full Depth Saw Cut Edge of Pavement** (Typical)
- **1-1/2" H.A.C. Surface Course**
- **3-1/2" H.A.C. Base Course**
- **10" Compacted Aggregate Base**
4”Ø PERFORATED PLASTIC; SLOPE WITH PAV’T AND DRAIN INTO STORM INLETS OR DRAINS AS REQ’D. 30’ (MIN.) EACH SIDE OF INLET

SECTION

SUB—SURFACE DRAIN
NOT TO SCALE

TOWN OF BURNS HARBOR
30'-4" subsurface drain wrapped with filter fabric placed on both sides of the low point inlets just below the aggregate base course.

Catch basin frame and lid

Pavement

Grade

Pre-cast conc. leveling ring(s), 12" min. in pavement areas.

1/4" per foot slope

Pre-cast reinf. conc. taper and barrel sections per ASTM C-688.

Trench backfill compacted to 95% max. density.

Storm sewer catch basin

NOT TO SCALE

Trench backfill compacted to 95% mod. Proctor density

GROUT SEAL FOR RCP OR UMP SEWERS. PRESS WEDGE OR EQUAL PIPE SEAL FOR PVC OR OTHER SMOOTH WALL PIPE.

INTEGRAL BOTTOM

4"-#53 stone base compacted to 95% mod. proctor density

Flow

TOWN OF
BURNS HARBOR

FIGURE "C"
PLAN VIEW

NOTE:
FLARED END SECTION MATERIAL
SHALL MATCH STORM SEWER PIPE
MATERIAL

SECTION VIEW

FLARED END SECTION
NOT TO SCALE

TOWN OF
BURNS HARBOR

FIGURE "H"
SANITARY SEWER MANHOLE

NOT TO SCALE

NOTES: MANHOLE COVER SHALL BE STAMPED "TOWN OF BURNS HARBOR SANITARY SEWER" COMPLETED MANHOLE SHALL BE VACUUM TESTED.
"TOWN OF BURNS HARBOR
SANITARY SEWER" MANHOLE FRAME AND LID WITH CONCEALED PICK HOLE

FINISH GRADE

FINISH GRADE

48", MIN.

TERMINATE TRACER WIRE UNDER CASTING

REINFORCED CONCRETE MANHOLE. DIAMETER SHALL BE DETERMINED BY AIR VALVE MANUFACTURER (48" MINIMUM)

CONNECTION PER MFG. RECOMMENDATIONS

12" MIN.

2'-0" MIN.

CONCRETE OR OTHER SUITABLE SUPPORT

SELECT BACKFILL MATERIAL (#53 STONE) COMPACTED IN 12", MAX. LIFTS AND COMPACTED TO 95% MOD. PROCTOR DENSITY

12" DIA. DRAIN

No. 2 CRUSHED STONE (1 CU. YD. MIN.)

SEWAGE AIR VALVE STRUCTURE
NOT TO SCALE

FIGURE "K"

TOWN OF BURNS HARBOR
NOTES:
- USE WATERTIGHT SCREW IN PLUGS
- TERMINATE TRACER WIRE AT TOP OF CLEAN-OUT

PLUG AND MATCH GRADE 6"Ø

45° BEND 6" SERVICE WYE" IN SEWER SERVICE LINE

FLOW 6" SERVICE

CLEANOUT REQUIRED 2'-6' FROM BUILDING AND AT 100' INTERVALS ALONG SEWER SERVICE AS MEASURED FROM SEWER MAIN

SANITARY SEWER CLEAN-OUT DETAIL
NOT TO SCALE

TOWN OF BURNS HARBOR

FIGURE "L"
TYPICAL TRENCH DETAIL
NOT TO SCALE

- PAVEMENT AREAS OR WHERE SPECIFIED
- AGGREGATE BASE
- NATIVE MATERIAL BACKFILL, COMPACTED TO 80% MIN., MOD. PROCTOR DENSITY
- NO. 53 STONE COMPACTED TO 98% MOD. PROCTOR DENSITY
- WATERMAIN, STORM OR SANITARY SEWER PIPE
- NO. 6 BARE COPPER TRACER WIRE
- 18" + ID (ID < 24")
- 36" + ID (ID > 24")

TOWN OF
BURNS HARBOR
TYPICAL CASING SPACERS

NOTE:
CONTRACTOR SHALL USE SPACERS AS AVAILABLE FROM PIPELINE SEAL AND INSULATOR, INC. OR CASCADE WATERWORKS MFG.
1. Set posts and filter fabric. Excavate a 4" x 4" trench upslope along the line of the posts. Extend filter fabric into the trench.

2. Backfill the trench and compact the excavated soil.

SILT FENCE BARRIER INSTALLATION

ELEVATION POINT 'A' SHOULD BE HIGHER THAN POINT 'B'

FIGURE "Q"

TOWN OF BURNS HARBOR
STRaw BALE Barrier Installation

NOT TO SCALE

TOWN OF BURNS HARBOR

Figure "R"