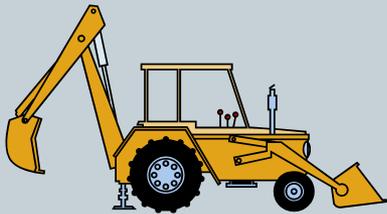


Rochester Hills Salt Storage Presentation to the Planning Commission



DEPARTMENT OF PUBLIC SERVICES
MARCH 6, 2012





Existing DPS Facility at 511 Auburn

Two parcels of property provide a DPS campus of approximately 18½ acres

Original DPS Building Constructed in 1972

Newer DPS Building was completed in Feb. 2008





Westerly Half of the Existing DPS Campus

The area west of the old
DPS building was
previously used for
outdoor vehicle storage.

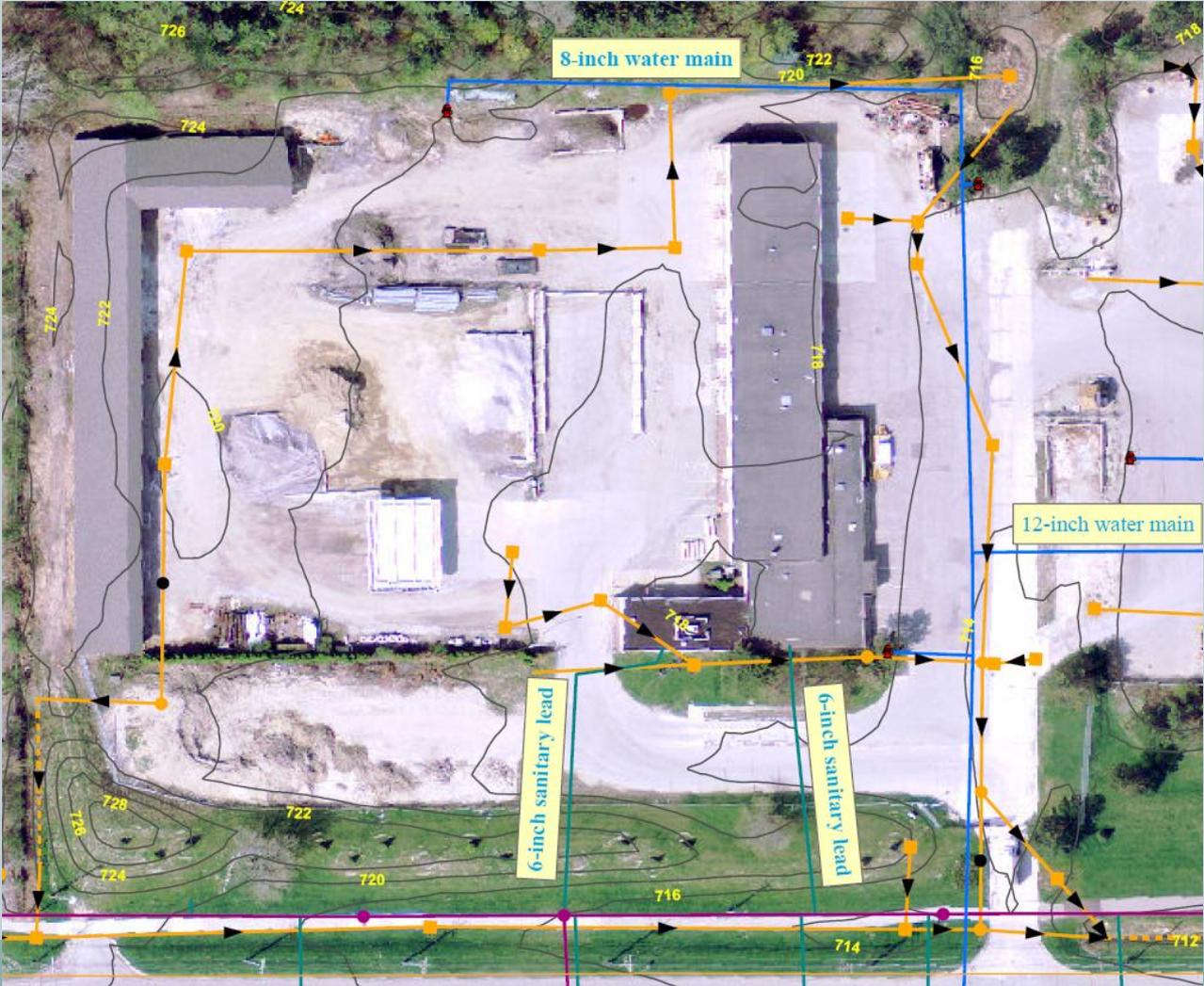
The space now is used
for storage of reclaimed
asphalt millings and
bulk aggregate
purchase.



Existing 3-Sided Storage Building



Existing Underground Utility Layout

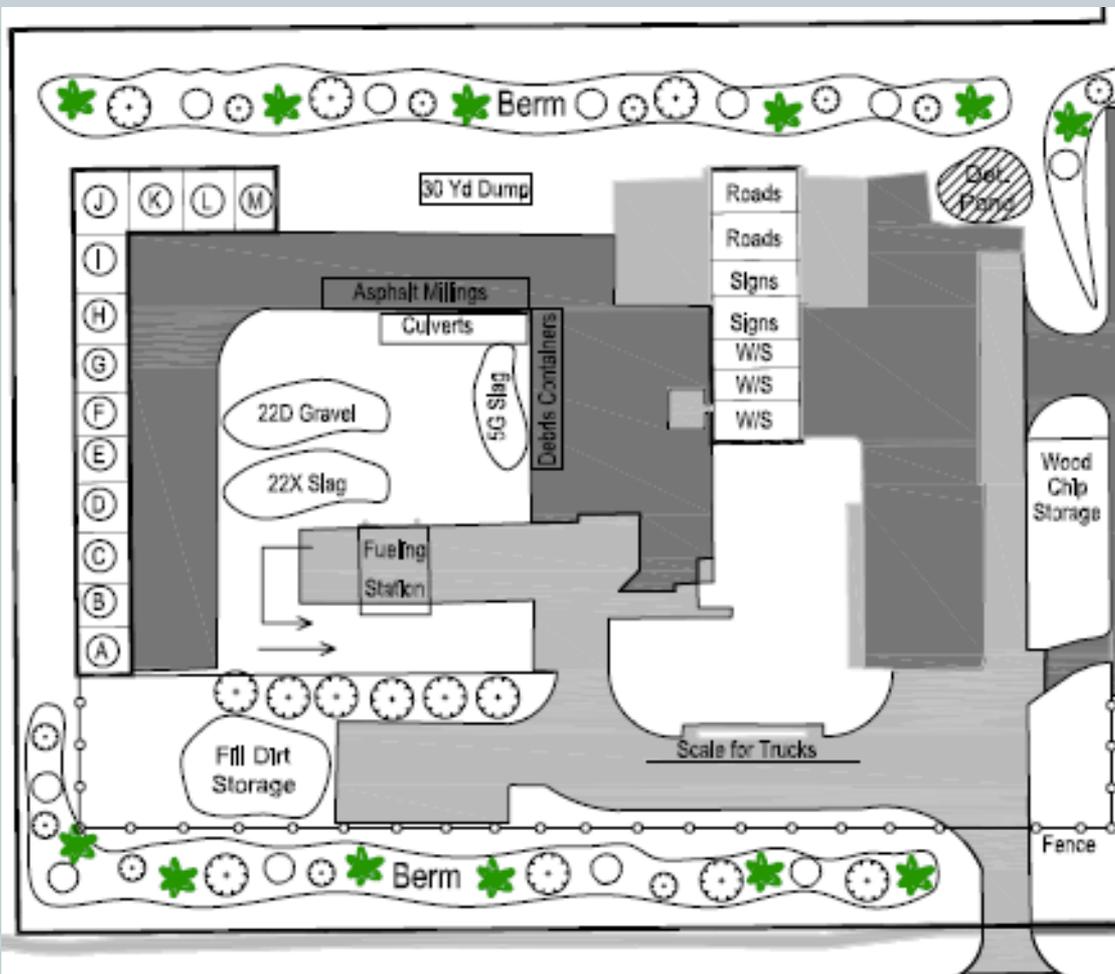


Historical Amount of Salt Used by DPS



2003	4,431.46 Tons
2004	4,327.19 Tons
2005	4,495.51 Tons
2006	1,852.98 Tons
2007	4,076.15 Tons
2008	5,125.78 Tons
2009	2,985.65 Tons
2010	3,626.90 Tons
2011	4,427.95 Tons

Proposed DPS Campus Storage Layout



Legend of New Dps Storage

- (A) Fire Hydrant Storage
- (B) Parks/ Forestry
- (C) Anti-Ice Unit
- (D) Anti-Ice Unit
- (E) 22x Slag
- (F) 5g Slag
- (G) 22D Gravel
- (H) 22D Gravel
- (I) Solve X
- (F) Storage
- (G) Topsoil
- (H) Sand Chloride
- (I) Street Sweeping Material

Proposed Salt Storage Considerations



- A new building should provide efficient traffic circulation
- The exterior height should not exceed the height of the new DPS Building
- A salt storage building should match colors of the new DPS Building
- The salt storage building shape should be rectangular
- Materials resistant to salt corrosion should be required

Proposed Salt Storage Parameters



- The new facility will be designed for 3,500 tons of salt
- Interior salt pile should not exceed 20 feet
- A portion of the older DPS building will be demolished to accommodate the proposed salt storage structure
- The northerly portion of the older DPS building will be retained for cold storage
- The proposed salt storage structure will be partitioned with an interior concrete wall

Proposed Salt Storage Parameters

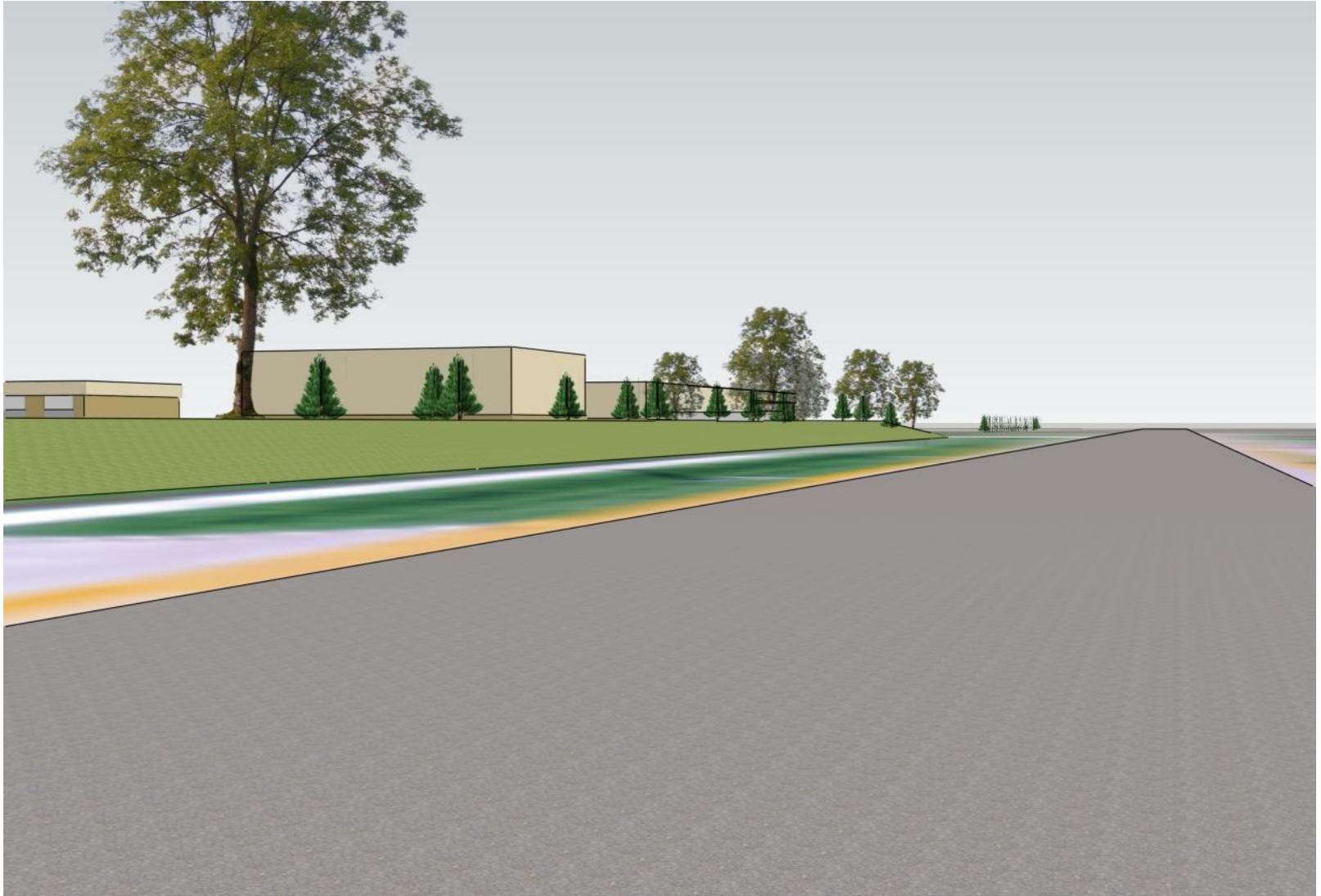


- The new salt storage building will have 8 to 12-foot concrete support walls and a higher panel material
- The new facility will have a rubber membrane roof
- LED lighting will be reviewed for inclusion with the salt storage building

Preliminary Aerial Rendering



Preliminary Street View Rendering Eastbound on Auburn Road



Preliminary Street View Rendering Westbound on Auburn Road

