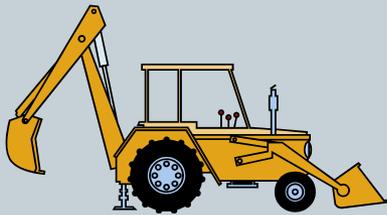


# Rochester Hills Salt Storage Presentation to the Planning Commission



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

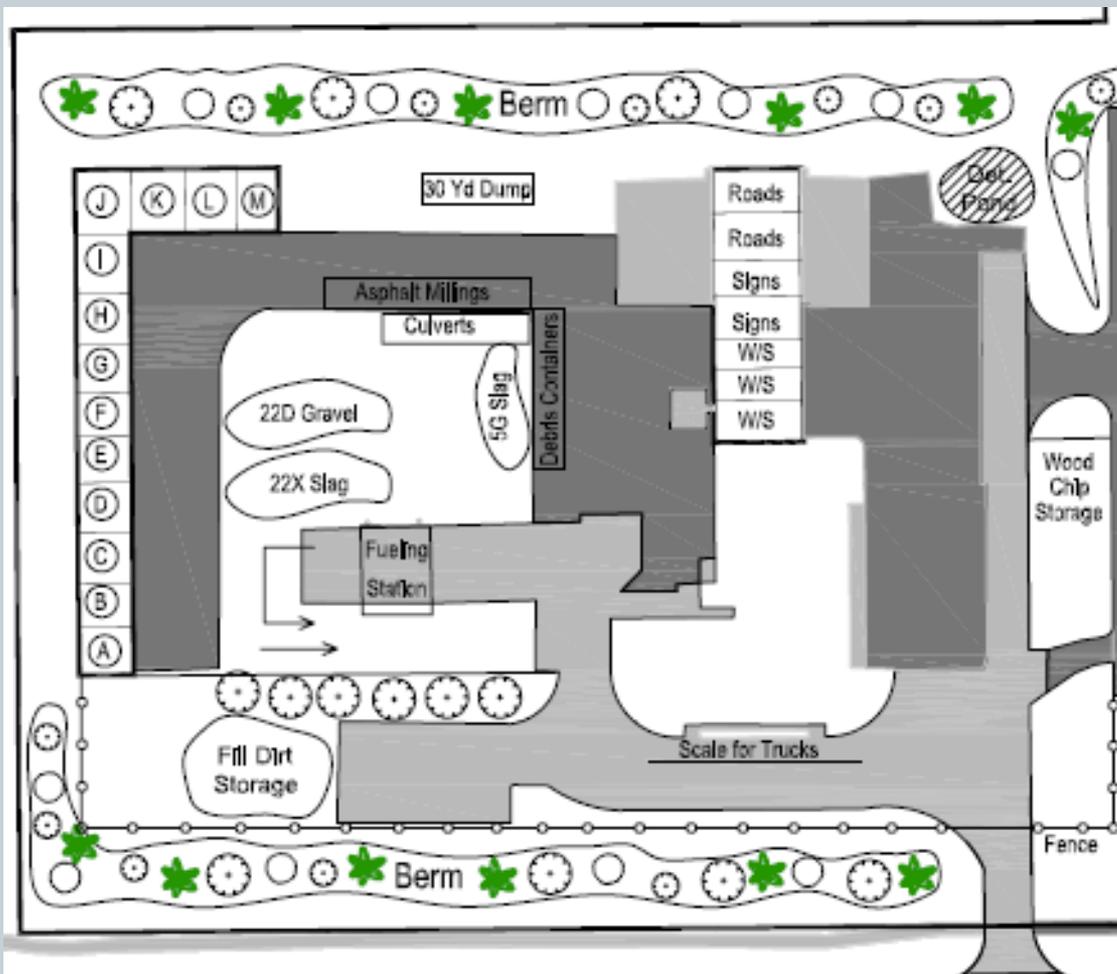


# Historical Amount of Salt Used by DPS



|      |               |
|------|---------------|
| 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

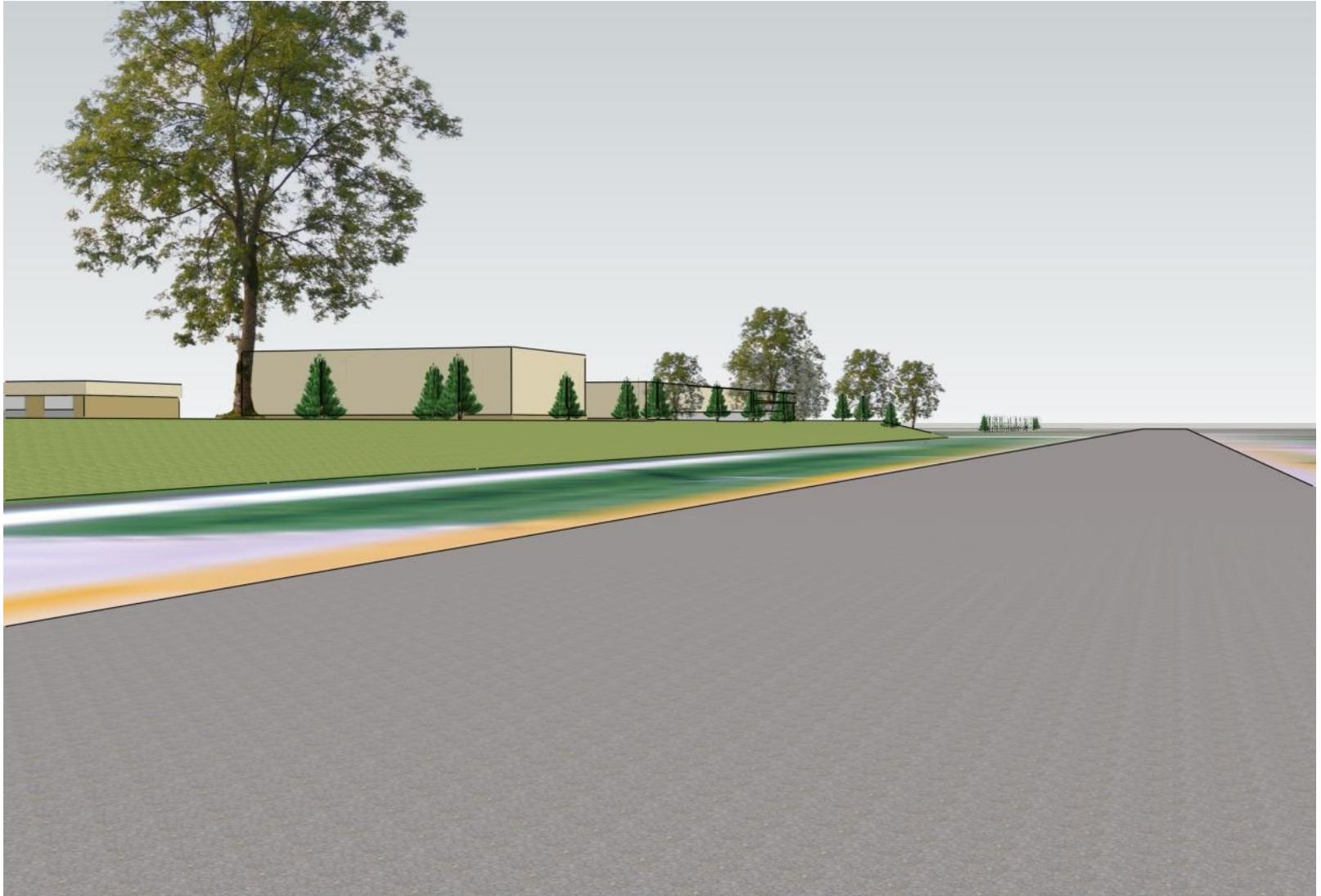


- The new salt storage building will have 8 to 12-foot concrete support walls and a higher panel material
- The new facility will have a rubber membrane roof
- LED lighting will be reviewed for inclusion with the salt storage building

# Preliminary Aerial Rendering



# Preliminary Street View Rendering Eastbound on Auburn Road



# Preliminary Street View Rendering Westbound on Auburn Road

