

FIGURE 1: Site Location Map
 Source: Eugene East USGS Quad
 Scale: 2.6" = 1 mile

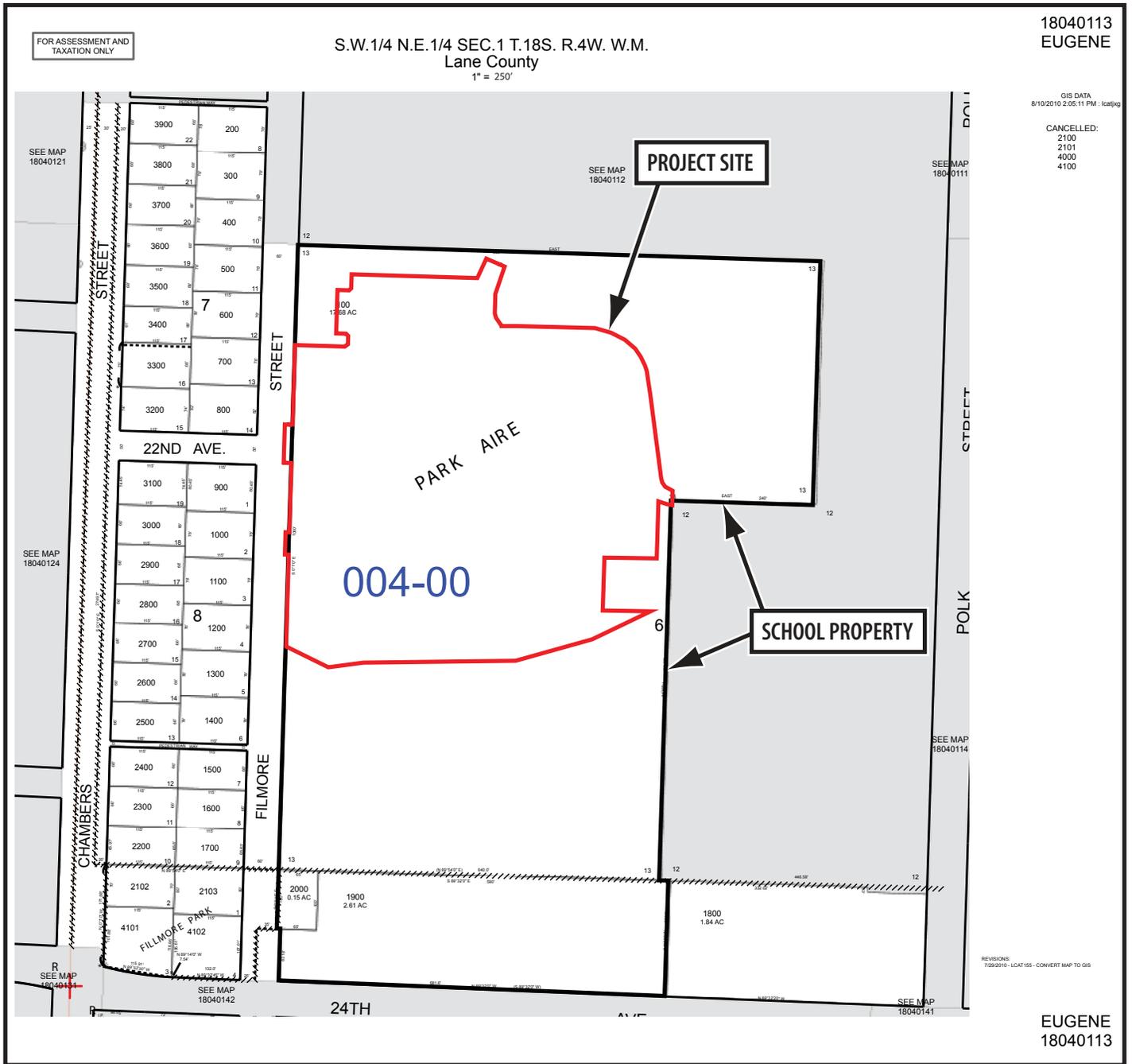
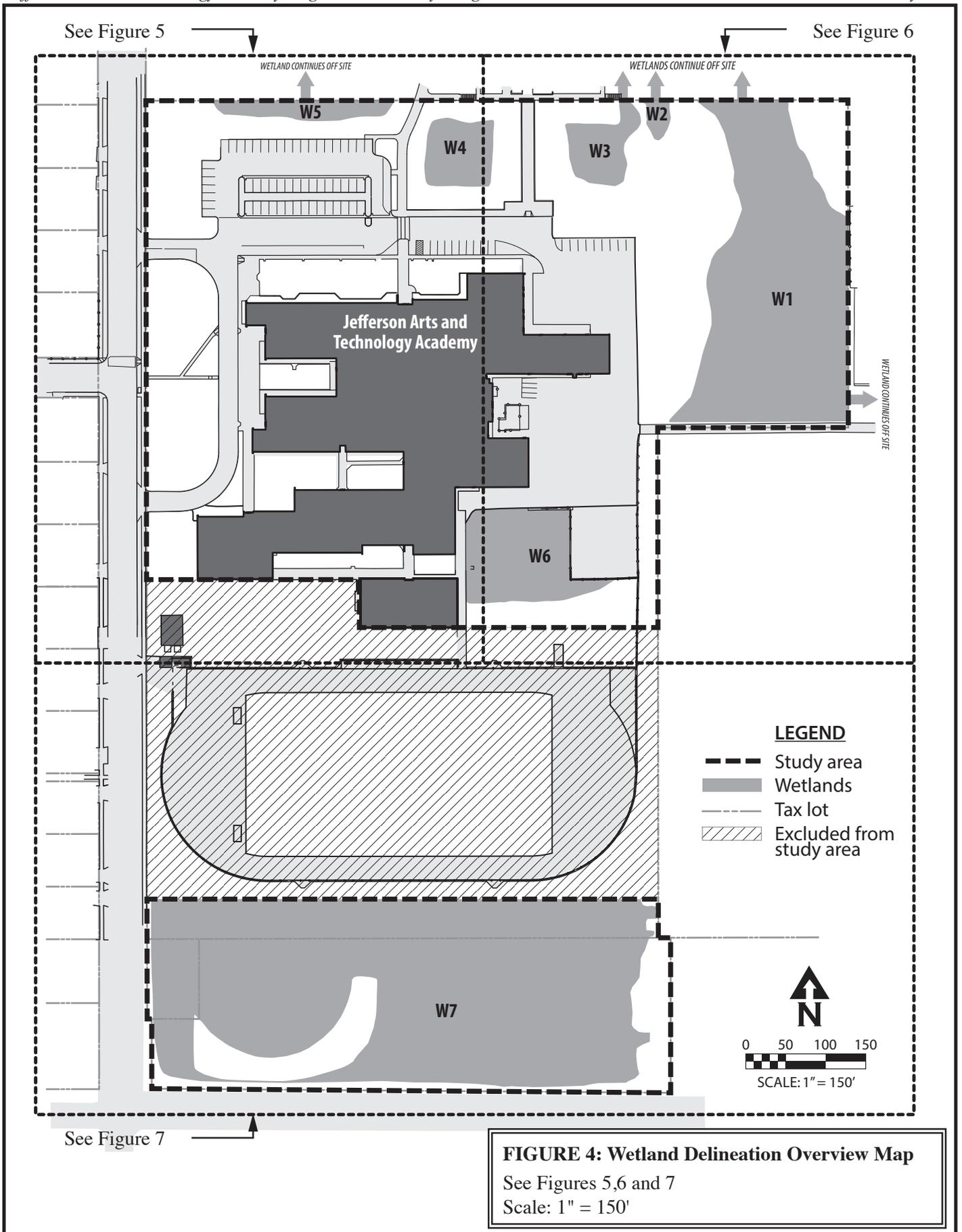
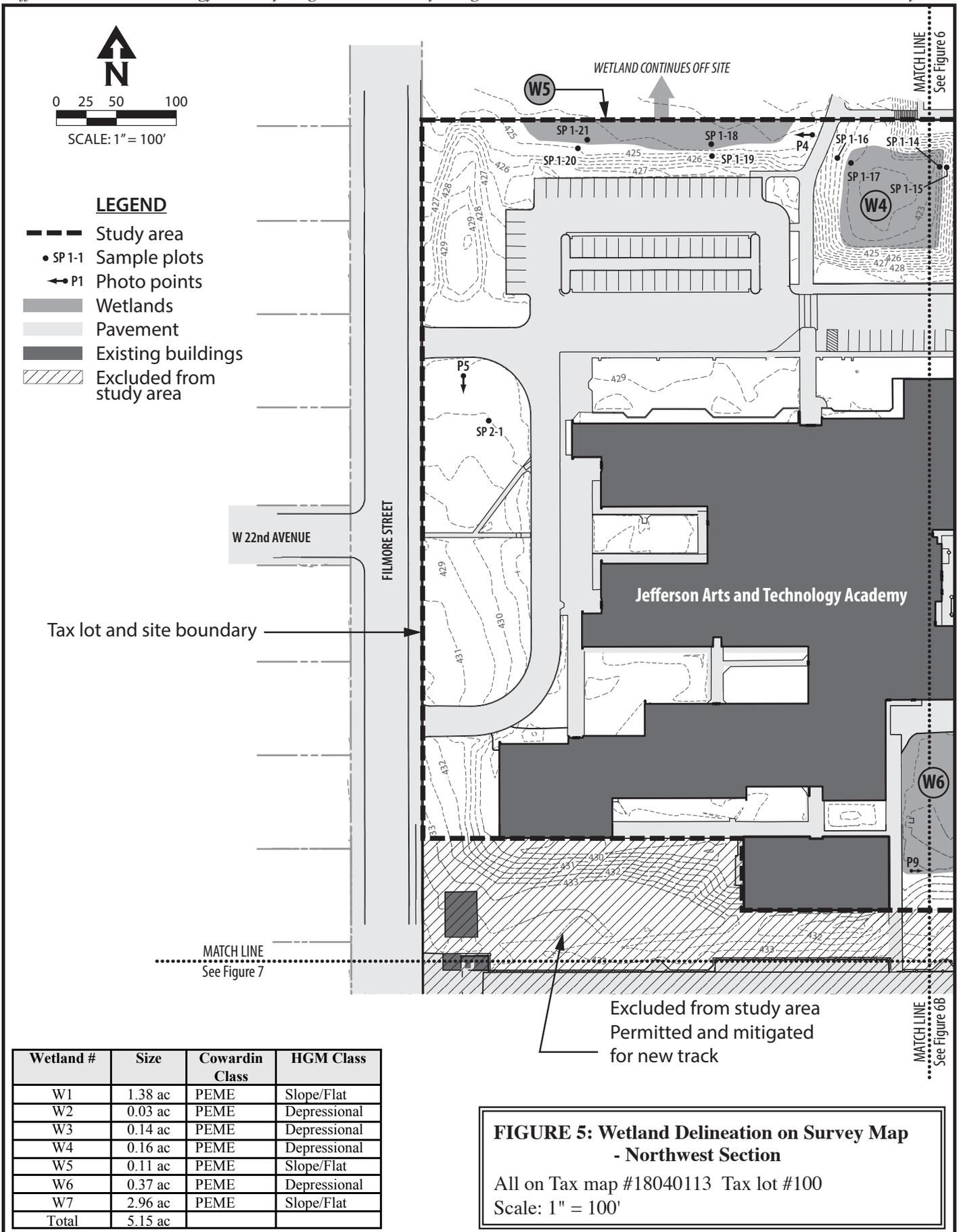


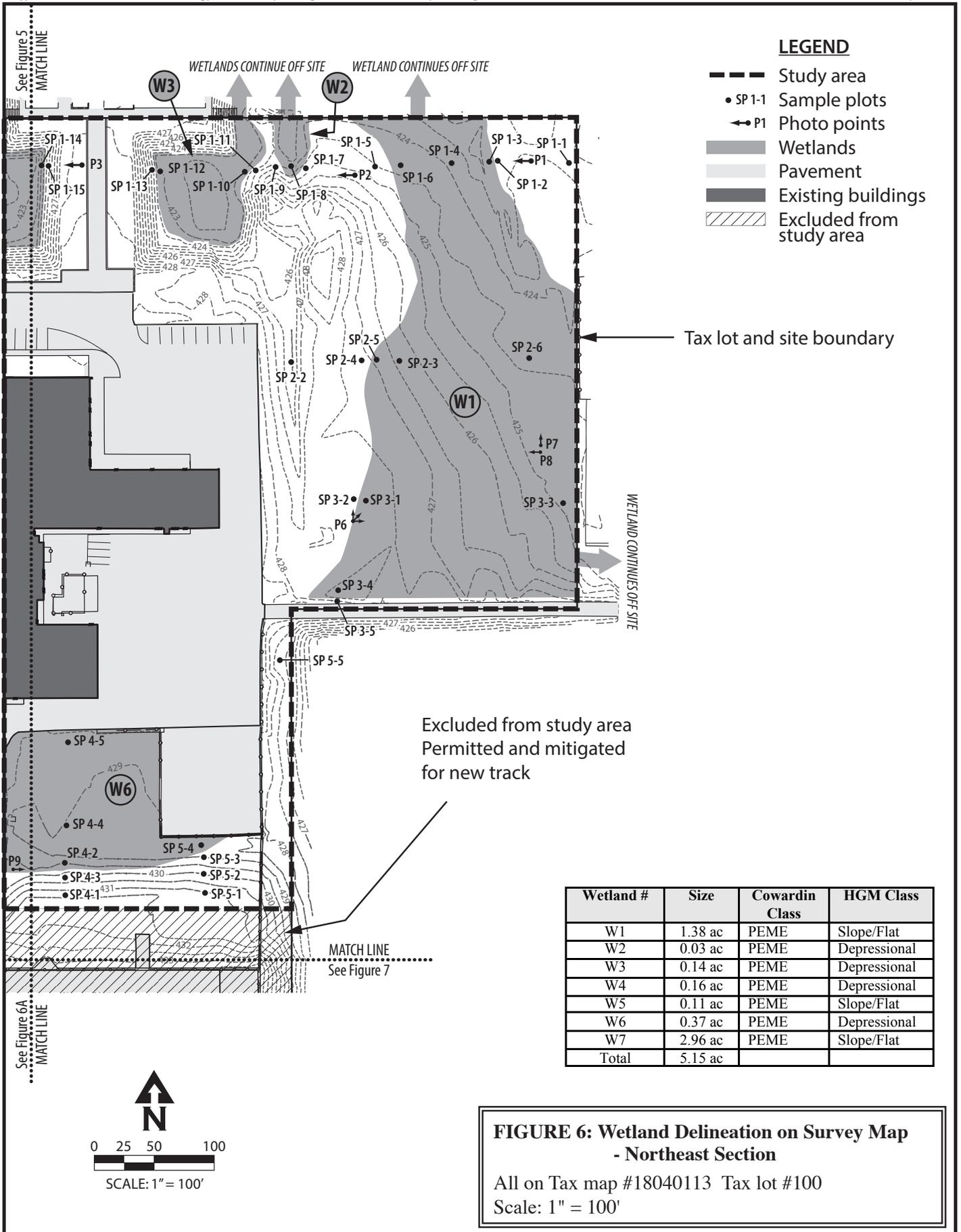
FIGURE 2: Site Location on Tax Map
 Source: Lane County Tax Map #18040113
 Scale: 1" = 250'

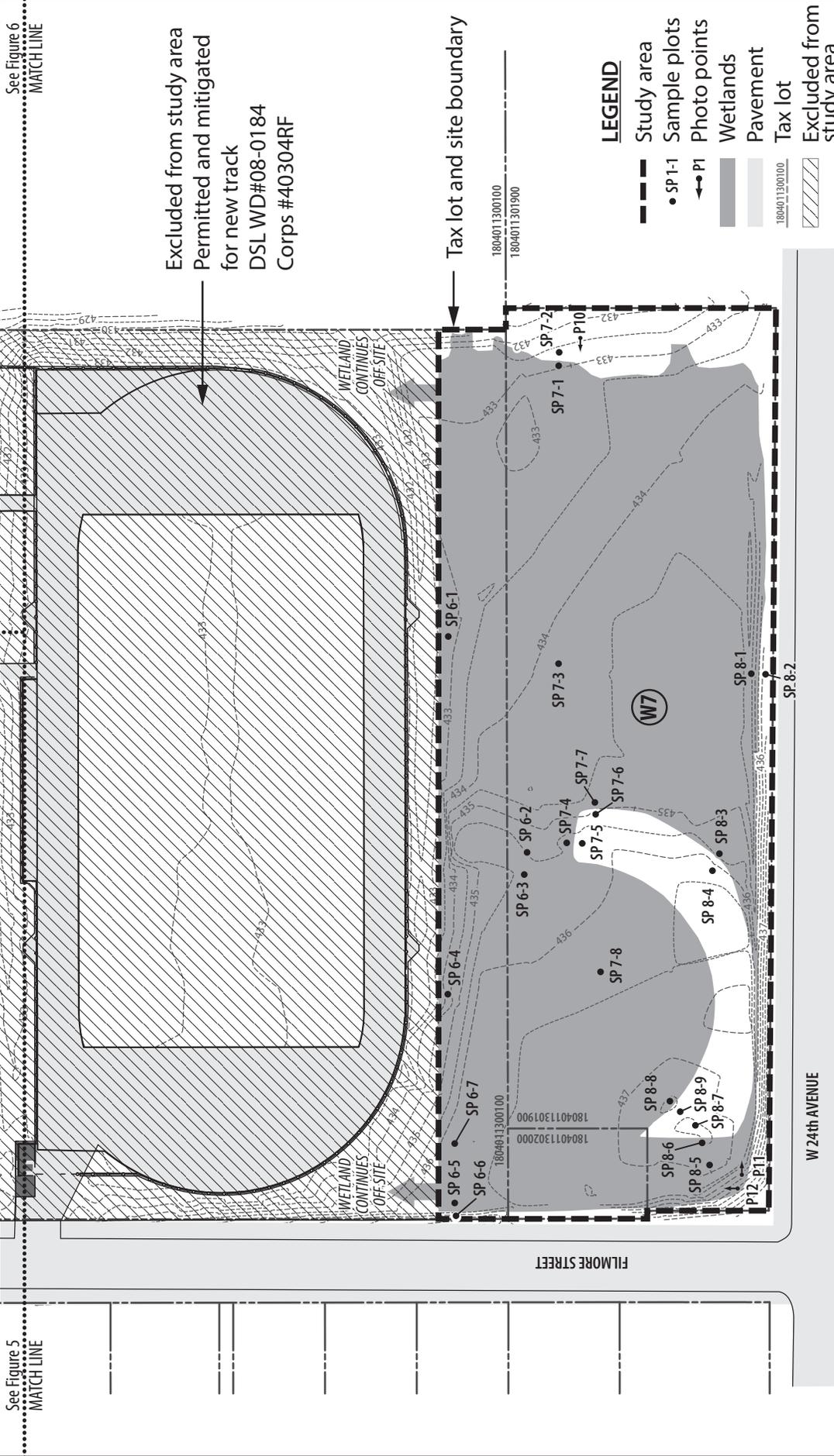


FIGURE 3: 2012 Aerial Photo
Scale: Undetermined
Date: August 24, 2012









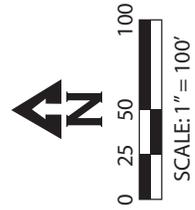
See Figure 5
MATCH LINE

See Figure 6
MATCH LINE

Excluded from study area
Permitted and mitigated
for new track
DSL WD#08-0184
Corps #40304RF

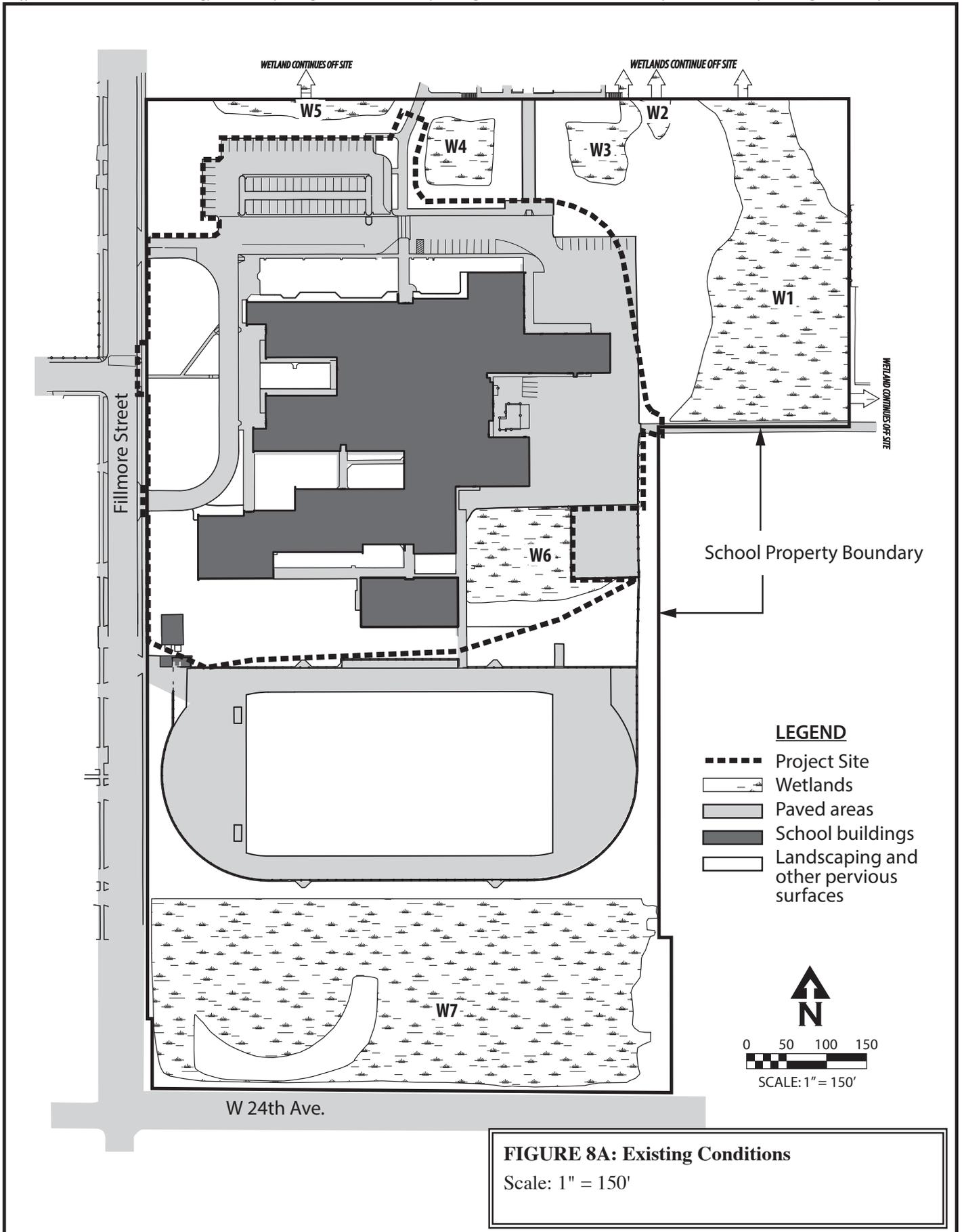
Tax lot and site boundary

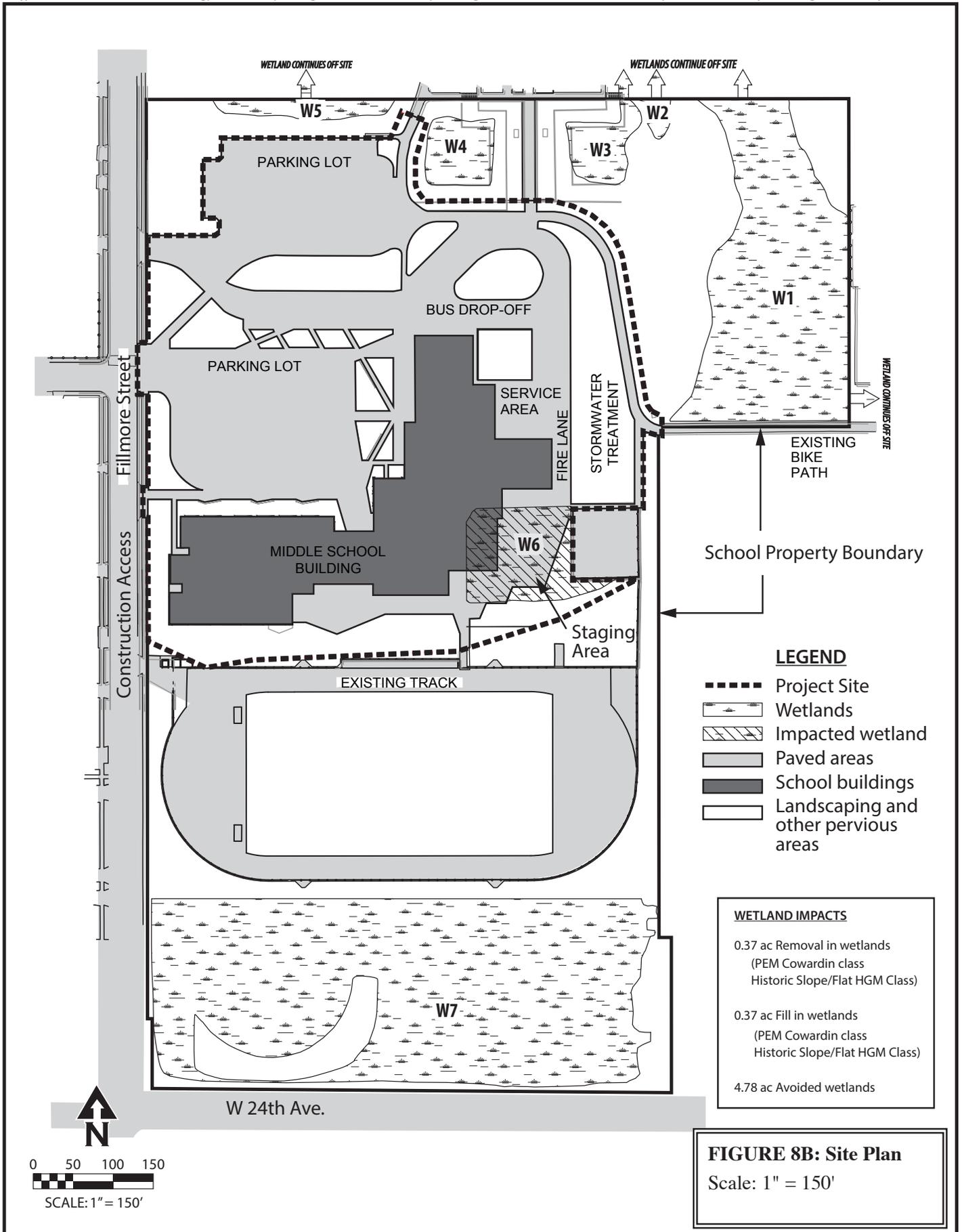
- LEGEND**
- Study area
 - SP 1-1 Sample plots
 - ← P1 Photo points
 - Wetlands
 - Pavement
 - 1804011300100 Tax lot
 - Excluded from study area

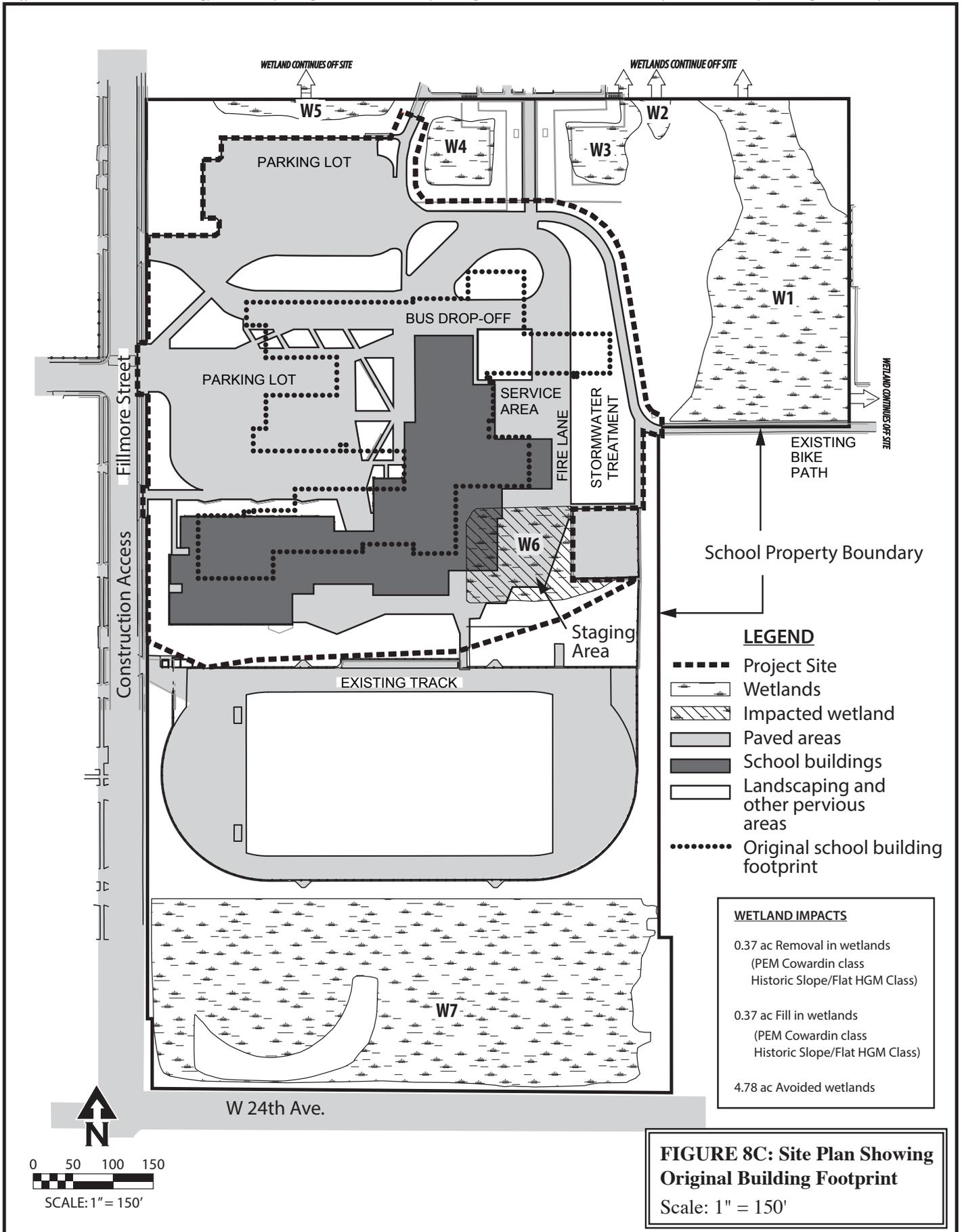


**FIGURE 7: Wetland Delineation on Survey Map
- South Section**
Scale: 1" = 100'

Wetland #	Size	Cowardin Class	HGM Class
W1	1.38 ac	PEME	Slope/Flat
W2	0.03 ac	PEME	Depressional
W3	0.14 ac	PEME	Depressional
W4	0.16 ac	PEME	Depressional
W5	0.11 ac	PEME	Slope/Flat
W6	0.37 ac	PEME	Depressional
W7	2.96 ac	PEME	Slope/Flat
Total	5.15 ac		







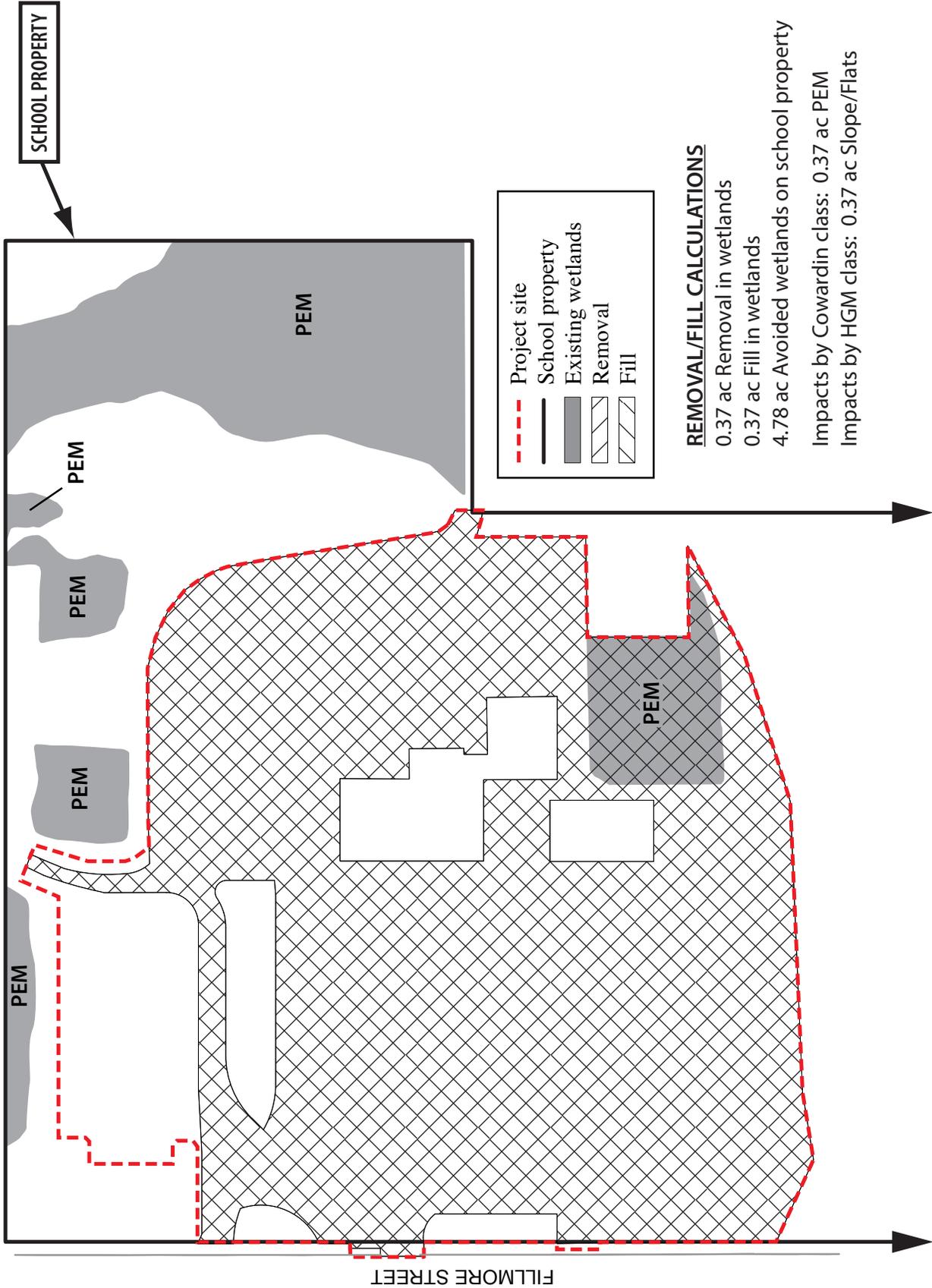


Figure 9: SITE PLAN SHOWING REMOVAL AND FILL

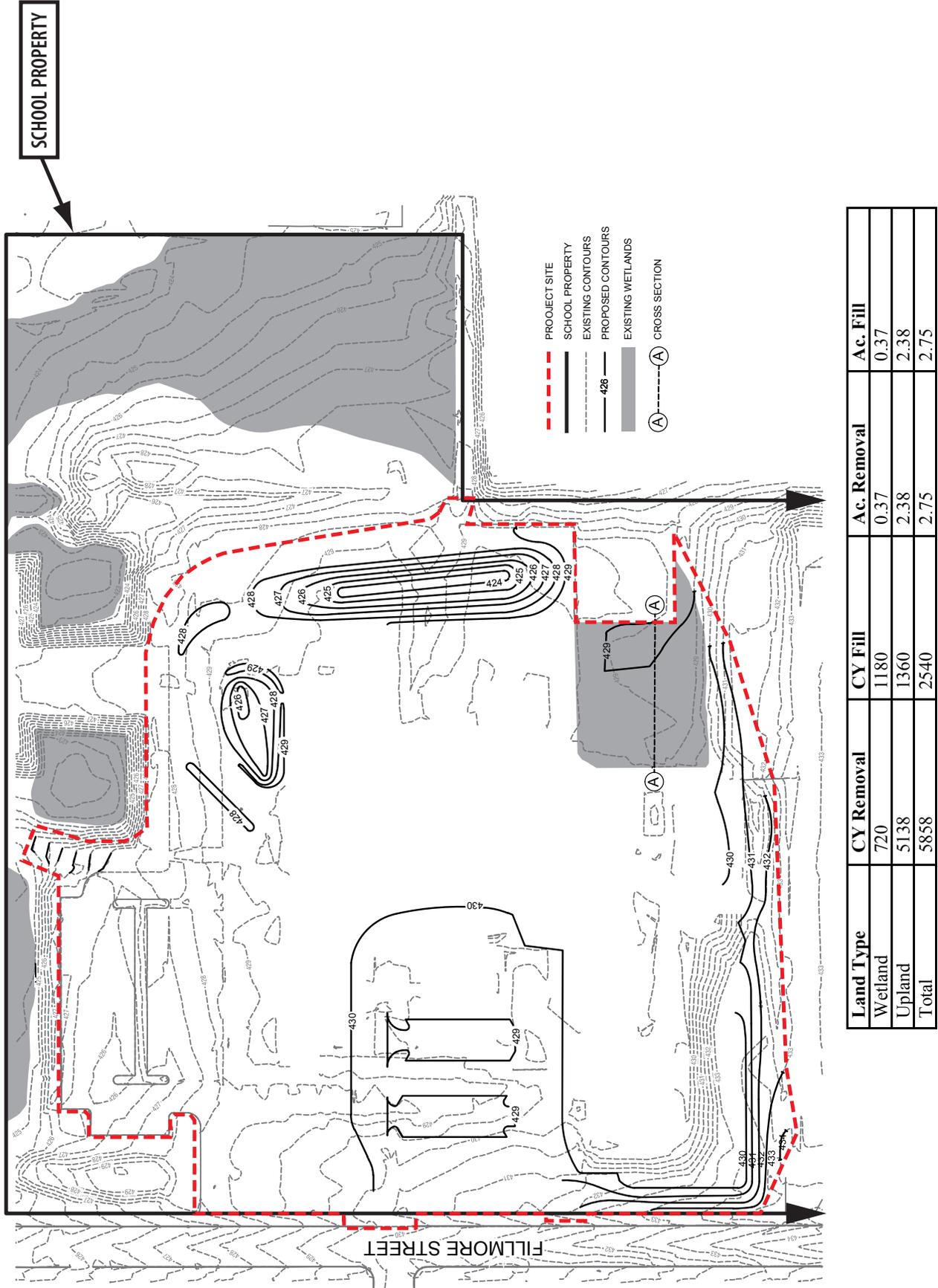
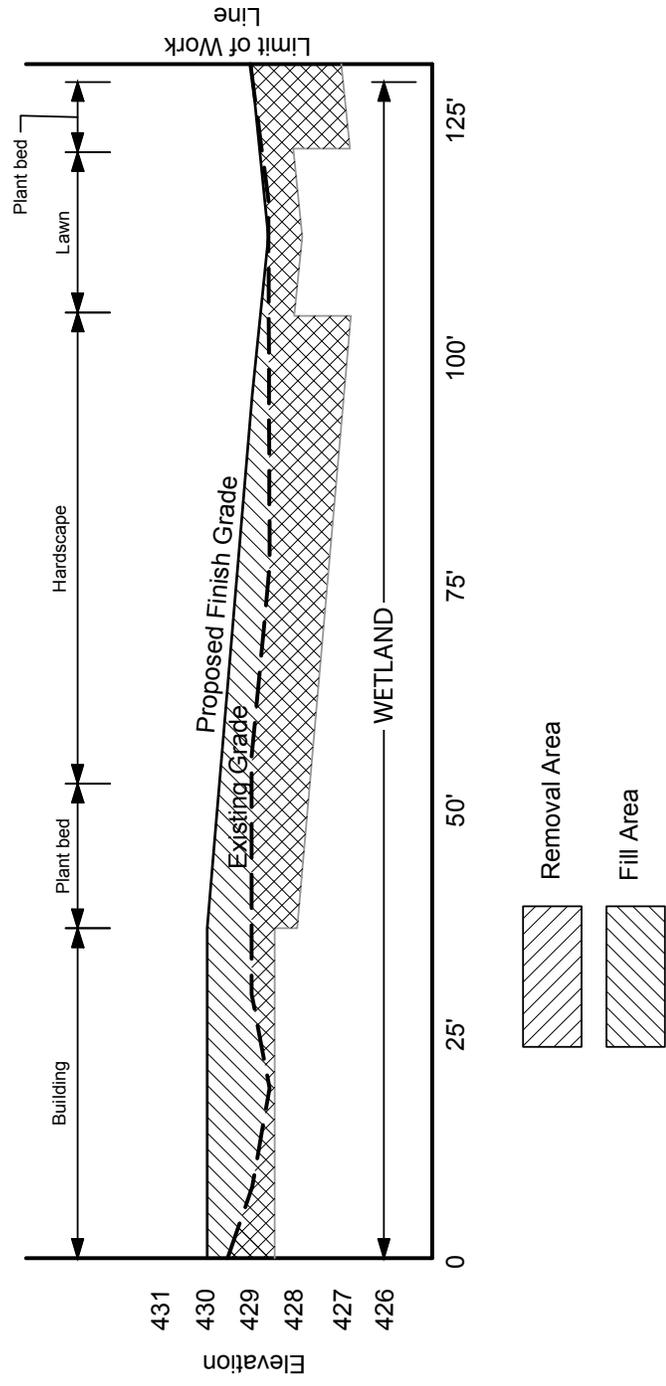


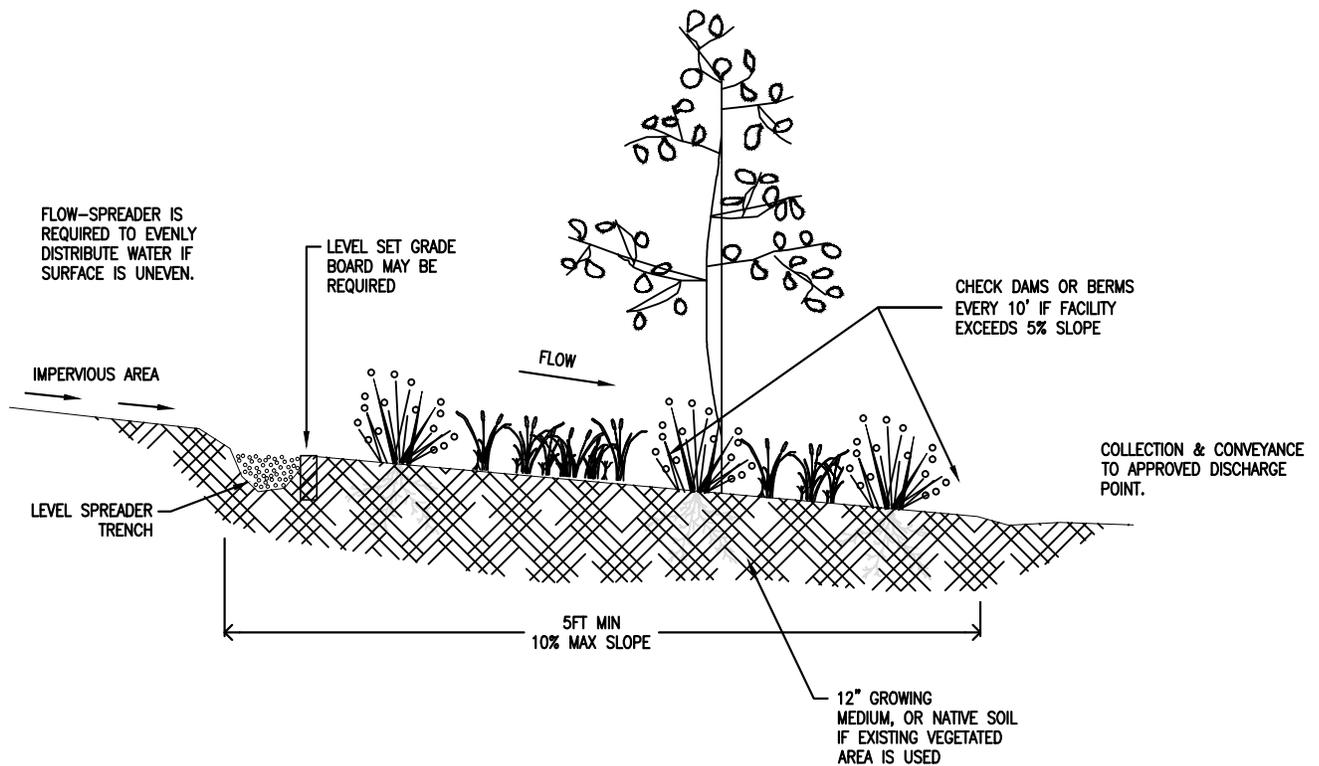
Figure 10: EXISTING AND PROPOSED CONTOURS



Vertical Scale 1"= 5'

Horizontal Scale 1"= 20'

Figure 11: W6 WETLAND CROSS SECTION

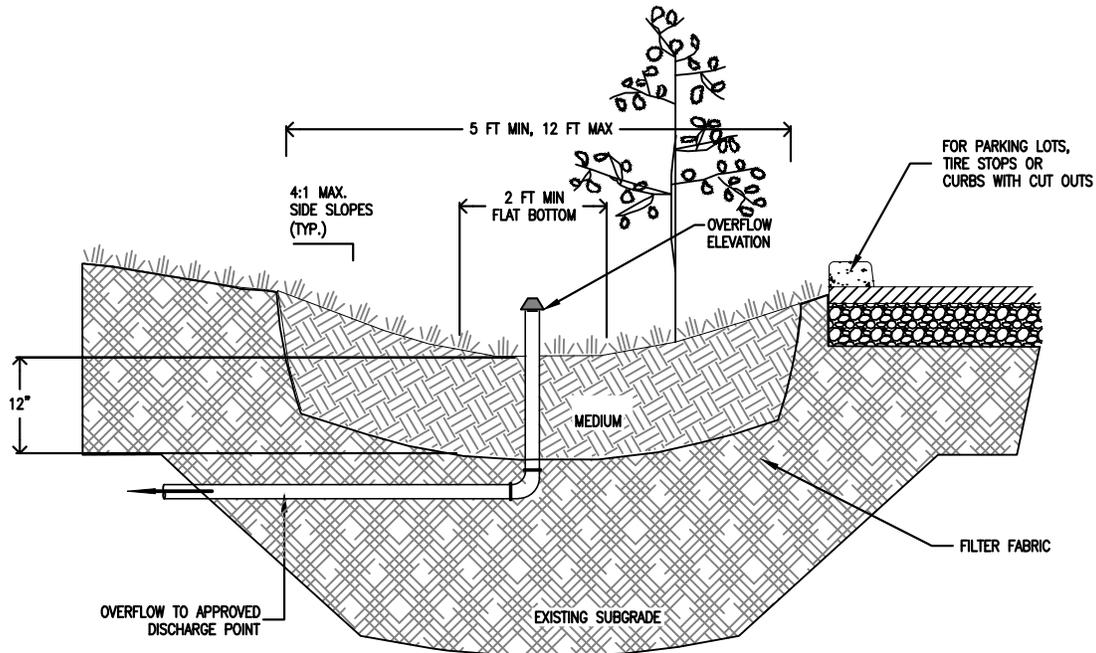


1. Provide protection from all vehicle traffic, equipment staging, as well as foot traffic for proposed infiltration areas prior to and during construction.
2. Dimensions:
 - a. Flow line length: 5' minimum.
 - b. Slopes: 0.5 - 10%
3. Setbacks (from beginning of facility):
 - a. 5' from property line
 - b. 10ft from buildings
 - c. 50ft from wetlands, rivers, streams, and creeks where required.
4. Overflow: Collection from filter strip shall be specified on plans to approved discharge point.
5. Growing medium: Unless existing vegetated areas are used for the filter strip, growing medium shall be used within the top 12".
6. Vegetation: The entire filter strip must have 100% coverage by native grasses, native wildflower blends, native ground covers, or any combination thereof. Follow landscape plans otherwise refer to plant list in SWMM Appendix F. Number of plantings per 100sf of facility area:
 - a. 100 Ground Covers, OR
 - b. 80 Ground Covers, 4 Small Shrubs, OR
 - c. 60 Ground Covers, 12 Small Shrubs
7. Level Spreaders: A grade board, perforated pipe, berm or trench may be required to disperse the runoff evenly across the filter strip to prevent a point of discharge. The top of the level spreader must be horizontal and at an appropriate height to provide sheet flow directly to the soil without scour. Grade boards can be made of any material that will withstand weather and solar degradation. Trenches used as level spreaders can be open or filled with washed crushed rock, pea gravel, or sand
8. Check dams: shall be placed according to facility design otherwise:
 - a. Equal to the width of the filter
 - b. Every 10' where slope exceeds 5%.



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Figure 12: Filter Strip - Typical Details



1. Provide protection from all vehicle traffic, equipment staging, and foot traffic in proposed infiltration areas prior to, during, and after construction.
2. Dimensions:
 - a. Width of swale: 5' - 12'.
 - Depth of swale: 12"
 - b. Longitudinal slope of swale: 0.5% min and 6% max.
 - c. Bottom width: 2' minimum.
 - d. Side slopes: 3:1 maximum for vegetative and 4:1 for grassy.
3. Setbacks (from centerline of facility):
 - a. Infiltration swales must be 10' from foundations and 5' from property lines.
 - b. Filtration swales must have a waterproof liner when within 10' from foundation of 5' from property lines.
4. Overflow:
 - a. Overflows are required to an approved point discharge point unless sized to fully infiltrate the flood control design storm.
 - b. Inlet elevation must allow for 2" of freeboard, minimum.
5. Piping: Minimum 3" pipe required for up to 1,500 sq ft of impervious area, otherwise 4" min. Piping material, slopes and installation shall follow the Uniform Plumbing Code.
6. Growing medium:
 - a. 12" minimum
 - b. Import topsoil or amended native soil
9. Vegetation: Follow landscape plans otherwise refer to plant list in SWMM Appendix F. Grassy swales must have 100 coverage. Vegetative swales must have following plantings per 100sf of facility area:
 - a. 100 Ground Covers, OR
 - b. 80 Ground Covers, 2 Small Shrubs, 4 Large Shrubs, and 1 Tree (deciduous or evergreen)
10. Waterproof liner: Shall be 30 mil PVC or equivalent where required.
11. Install washed pea gravel or river rock to transition from inlets and splash pad to growing medium.
12. Check dams: Shall be placed at 12" intervals along the length of the swale.



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Figure 13: Grassy Swale - Typical Details