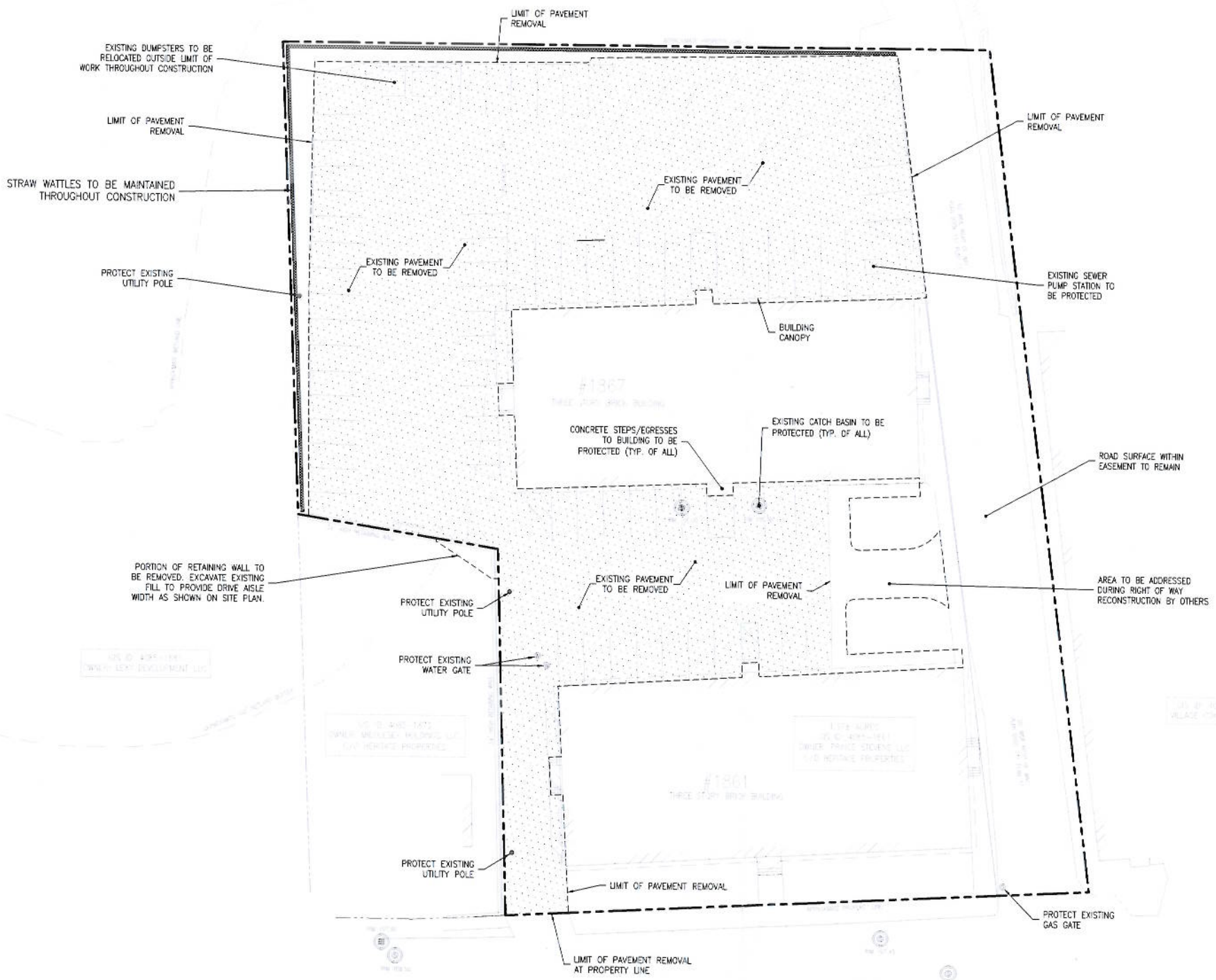
LOCUS

SCALE: 1" = 200'



PLAN REFERENCES

1. ALTA/ACSM LAND TITLE SURVEY, LOCATED IN LOWELL, MA.; RECORD OWNER: HAMILTON PARK ASSOCIATION, LLC; PREPARED BY: CHRISTIANSEN & SERGI, PROFESSIONAL ENGINEERS, LAND SURVEYORS, 150 SUMMER STREET, HAVERHILL, MA.; DATED MARCH 13, 2006.

NOTES

1. THIS PLAN IS PRESENTED AS A STORMWATER REMEDIATION PLAN PROPOSING TO RESURFACE THE EXISTING PARKING AREA WITH BITUMINOUS CONCRETE, AND PROVIDE STORMWATER DEVICES WHICH WILL REDUCE STORMWATER RUNOFF BY 26%. THIS PLAN DOES NOT REPRESENT A CERTIFIED PLOT PLAN OR BOUNDARY PLAN.

2. THIS SITE IS NOT LOCATED WITHIN THE 100-YEAR FLOOD BOUNDARY AS SHOWN ON FIRM FLOOD INSURANCE MAP OF MIDDLESEX COUNTY, PANEL NO. 25017C0138E, DATED JUNE 4, 2010.

3. SUBJECT PROPERTY IS LOCATED IN A SUBURBAN MIXED-USE (SMF) ZONE. SETBACKS ARE EXISTING.

4. GIS IDENTIFICATION: 4085-1861.

5. DEED REFERENCE: MIDDLESEX NORTH REGISTRY OF DEEDS, BOOK 20036, PAGE 136.

6. WATTLES TO BE INSTALLED AT THE PROPERTY LINE TO ENSURE PROPER EROSION CONTROL THROUGHOUT CONSTRUCTION.

STORMWATER QUANTITIES

- TOTAL AREA: 49,324 +/- SF
- EX. IMPERVIOUS AREA: 42,882 SF
- PROPOSED IMPERVIOUS: 41,080 SF (REDUCTION OF 1,802 SF)
- 25-YEAR STORMWATER VOLUME: 2,646 C.F. (PRE- RESURFACING)
- 25-YEAR STORMWATER VOLUME: 2,507 C.F. (POST- RESURFACING)
- REDUCTION IN STORMWATER VOLUME: 140 C.F.
- PROPOSED DRIP TRENCH VOLUME: 540 C.F. (BEFORE INFILTRATION)
- PROPOSED MULCH BED STORAGE: 150 C.F. (BEFORE INFILTRATION)
- REDUCTION IN STORMWATER VOLUME LEAVING SITE: 26 %

GREATER LOWELL ENGINEERING ASSOCIATES, LLC
ARCHITECTS, LAND SURVEYORS, CIVIL ENGINEERS
25 KACHOLL STREET, STUDIO 14, LOWELL, MA.
978.604.5576

RICHARD DAVID BEATI, P.E.

NO.	DATE	COMMENT
1		
2		
3		
4		
5		

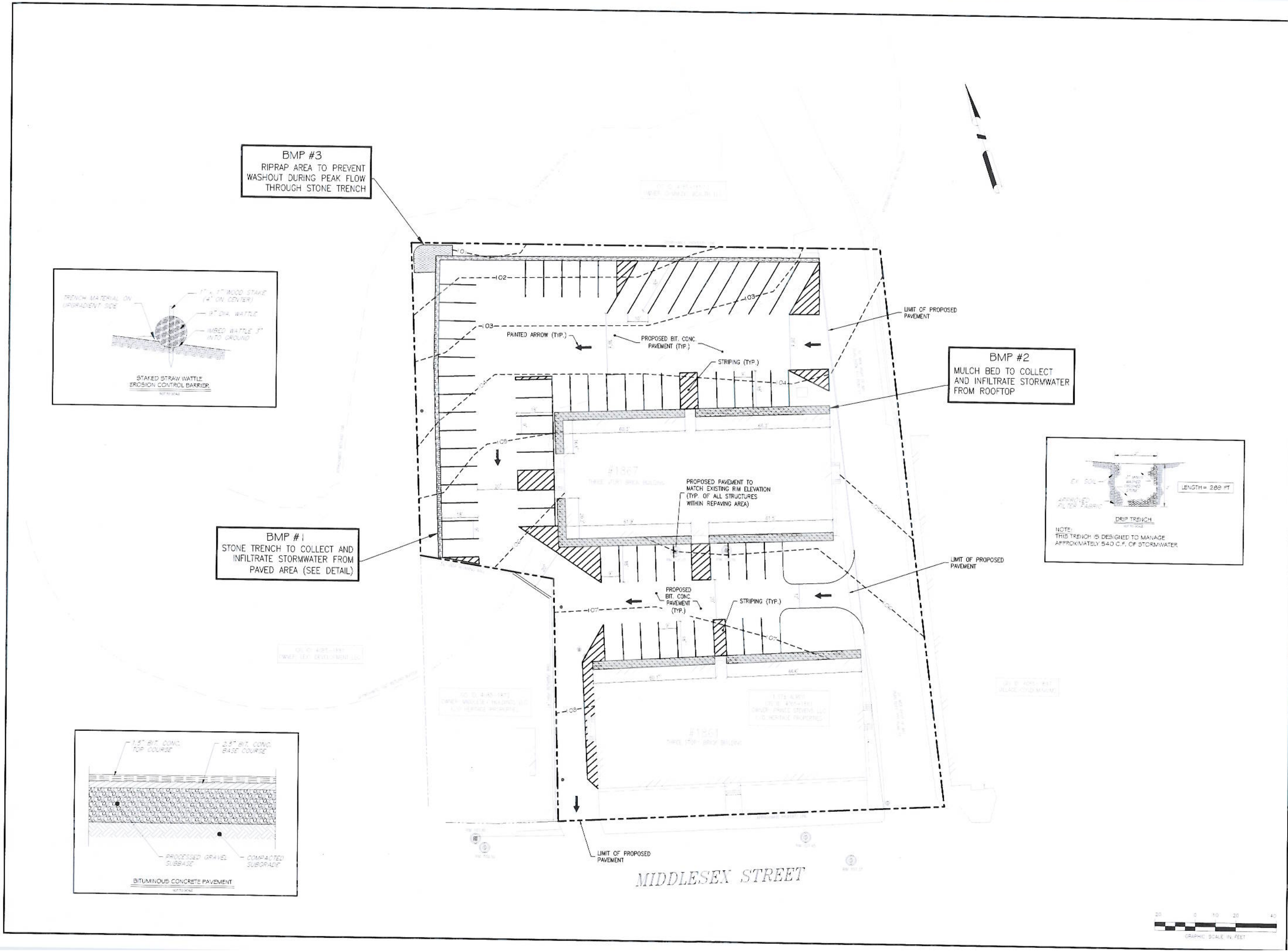
SITE:
STORMWATER REMEDIATION PLAN
1861-1865 MIDDLESEX STREET
LOWELL, MA 01851

PREPARED FOR:
Heritage Properties
1201 WESTFORD STREET
LOWELL, MA 01851

EXISTING CONDITIONS & DEMO PLAN

DESIGN: SS
CHECK: DRB
SCALE: 1" = 30'
PROJECT: 15054
DATE: 11/30/15

1
OF 2



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29 JACKSON STREET . STUDIO 114 . LOWELL, MA
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RICHARD DAVID BEATI, P.E.

REV	DATE	COMMENT
1		
2		
3		
4		
5		

SITE
STORMWATER REMEDIATION PLAN
1861-1865 MIDDLESEX STREET
LOWELL, MA 01851

PREPARED FOR:
Heritage Properties
1201 WESTFORD STREET
LOWELL, MA 01851

SITE PLAN & DETAILS

DESIGN: SS
CHECK: DRB
SCALE: 1" = 20'
PROJECT: 15059
DATE: 11/30/15

2
of 2