

## Department of Public Works

City Hall  
730 Washington Avenue  
Racine, Wisconsin 53403  
262.636.9121 – Public Works  
262.636.9191 - Engineering



Mark H. Yehlen, PE  
Commissioner of Public Works


Thomas M. Eeg, P.E.  
Asst. Comm. of Public Works/Operations

John C. Rooney, P.E.  
Asst. Comm. of Public Works/City Engineer

August 24, 2016

Legistar Item: 0706-16

To: Alderman Terry McCarthy, Chairman  
Public Works and Services Committee

From: Tom Eeg   
Assistant Commissioner of Public Works/Operations

RE: Contract 20160030  
Samuel Myers Park Restorations – Phase III  
A.W. Oakes & Son, Contractor

Dear Alderman McCarthy:

Submitted for your review and approval is Change Order No. 1 on the subject contract. Change Order No. 1 is in the amount of \$3,227.00.

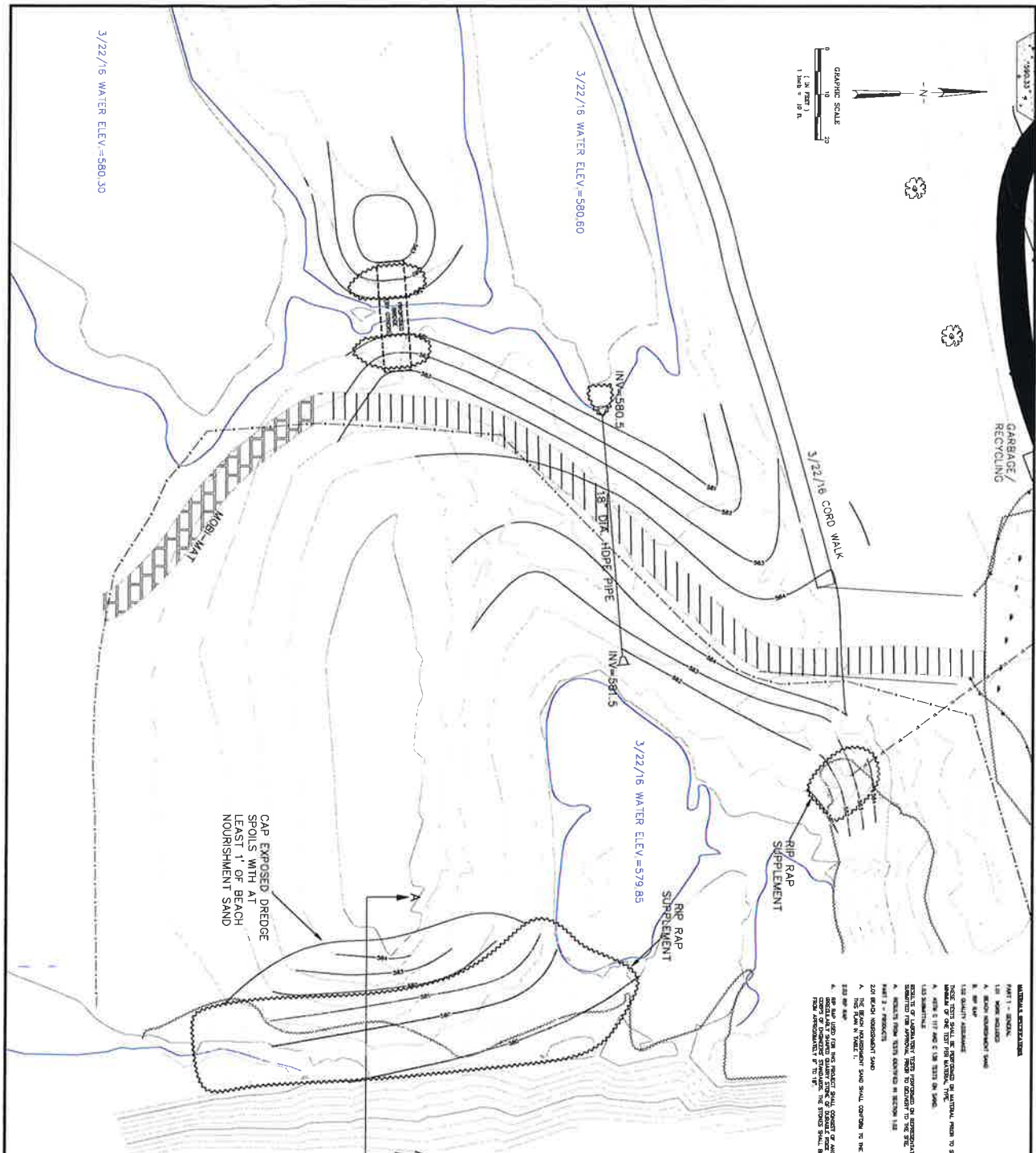
This change order is needed to supplement east/middle dune features to accommodate a walkway, add geotextile cloth and 9 – 16” quarry stone for erosion control and additional sand to meet final grades due to compaction.

The total amount of the contract was \$68,962.00. This change order will bring the cost of the contract to \$72,189.00. Funds are available in the following Org-Objects:

\$2,237.00 – Org-Object 20201-52200-20011, FFLM 2015  
\$ 990.00 – Org-Object 20104-53200-20038, WCMP 2015  
\$3,227.00 – Total

TME:njp





GARAGE/  
RECYCLING

3/22/16 CORD WALK

3/22/16 WATER ELEV.=580.60

INV.=580.5

18" DIA. HOPE PIPE

INV.=581.5

3/22/16 WATER ELEV.=579.85

RIP RAP SUPPLEMENT

RIP RAP SUPPLEMENT

CAP EXPOSED DREDGE  
SPOILS WITH AT  
LEAST 1' OF BEACH  
NOURISHMENT SAND

3/22/16 WATER ELEV.=580.30

MOBI-MAT

**MATERIAL SPECIFICATIONS**

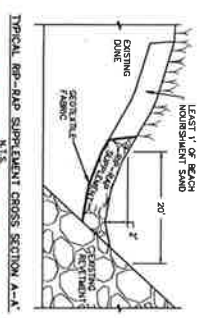
- PART 1 - SAND**
1. SAND SHALL BE WASHED TO REMOVE FINE MATERIAL.
  2. SAND SHALL BE SCREENED TO REMOVE MATERIAL OVER 1/4" IN SIZE.
  3. SAND SHALL BE TESTED FOR MOISTURE CONTENT TO BE WITHIN 1% OF THE MOISTURE CONTENT OF THE SAND AT THE TIME OF TESTING.
  4. SAND SHALL BE TESTED FOR ORGANIC MATTER TO BE WITHIN 0.5% OF THE SAND AT THE TIME OF TESTING.
  5. SAND SHALL BE TESTED FOR FINENESS TO BE WITHIN 20% OF THE SAND AT THE TIME OF TESTING.
  6. SAND SHALL BE TESTED FOR CLAY AND SILT TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  7. SAND SHALL BE TESTED FOR PLASTICITY INDEX TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  8. SAND SHALL BE TESTED FOR UNIFORMITY COEFFICIENT TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  9. SAND SHALL BE TESTED FOR CURVE NUMBER TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  10. SAND SHALL BE TESTED FOR PERCENT PASSING 20, 40, 60, 80, 100, 200, AND 425 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  11. SAND SHALL BE TESTED FOR PERCENT PASSING 75 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  12. SAND SHALL BE TESTED FOR PERCENT PASSING 150 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  13. SAND SHALL BE TESTED FOR PERCENT PASSING 300 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  14. SAND SHALL BE TESTED FOR PERCENT PASSING 600 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  15. SAND SHALL BE TESTED FOR PERCENT PASSING 1200 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  16. SAND SHALL BE TESTED FOR PERCENT PASSING 2500 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  17. SAND SHALL BE TESTED FOR PERCENT PASSING 5000 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  18. SAND SHALL BE TESTED FOR PERCENT PASSING 10000 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  19. SAND SHALL BE TESTED FOR PERCENT PASSING 20000 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.
  20. SAND SHALL BE TESTED FOR PERCENT PASSING 40000 MICRONS TO BE WITHIN 5% OF THE SAND AT THE TIME OF TESTING.

**GENERAL NOTES**

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL EXCESS MATERIAL AND DEBRIS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE AREA TO ORIGINAL OR BETTER CONDITION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SAFETY MEASURES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE AND BONDS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.

**INSTALLATION OF RIP-RAP SUPPLEMENT**

1. ALL RIP-RAP SHALL BE PLACED ON A BED OF SAND.
2. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
3. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
4. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
5. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
6. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
7. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
8. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
9. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
10. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
11. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
12. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
13. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
14. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
15. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
16. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
17. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
18. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
19. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.
20. THE RIP-RAP SHALL BE PLACED IN A SINGLE LAYER.



TYPICAL RIP-RAP SUPPLEMENT CROSS SECTION A-A'  
N.T.S.

**PRELIMINARY - NOT FOR CONSTRUCTION**  
**EAST DIKE REPAIR**

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

CITY OF RACINE  
SAMUEL MYERS  
6TH TO 11TH STREET  
RACINE, WISCONSIN

**MILLER**  
ENGINEERS  
SCIENTISTS

5308 S. 12th Street  
Sheboygan, WI 53081-8099  
Phone 920-458-0369  
Fax 920-458-0369  
www.startwithmiller.com