NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- GRADE & SOD ENTIRE AREA BETWEEN WALK & CURB.
- GRADE & PLACE 1.5' WIDTH SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- PITCH CURB FLANGE 0.08', UNLESS OTHERWISE SHOWN.
- ANY TREES TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED IN THE CONTRACT SPECIAL PROVISIONS.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MININUM COVER AT FLANGES AND 0.17' AT BUTT JOINTS AND 0.21' MINIMUM ELSEWHERE.

CONDITION OF CONCRETE

## ESTIMATE / CERTIFICATE QUANTITIES

| | DESCRIPTION | UNIT | ASSESS. | X-ING | | | PLAN TOT. | PROJ. TOT. |
|---|---|---|---|---|---|---|---|---|
| X | MOBILIZATION | L.S. | | | | | | |
| X | FINISHING ROADWAY | L.S. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| X | BARRICADING AND SIGNING | L.S. | | | | | | |
| | | | | | | | | |
| X | CUTTING | C.Y. | | | | | | |
| X | ROADWAY CUTTING | C.Y. | | | | | | |
| X | FILLING | C.Y. | | | | | | |
| X | ROADWAY FILLING | C.Y. | | | | | | |
| | | | | | | | | |
| X | PAVEMENT REMOVAL | S.Y. | | | | | | |
| | BITUMINOUS SURFACE REMOVAL | S.Y. | | | | | | |
| X | CURB &/OR CURB & GUTTER REMOVAL | L.F. | | | | | | |
| X | CONC. WALK &/OR DRIVEWAY REMOVAL | S.F. | | | | | | |
| X | SAWING (FULL DEPTH) | L.F. | | | | | | |
| X | SAWING | L.F. | | | | | | |
| | TREES CLEARING | I.D. | | | | | | |
| | TREES GRUBBING | I.D. | | | | | | |
| X | 31" CONCRETE CURB & GUTTER | L.F. | | | | | | |
| | V.T. CONC. WALK &/OR DRIVEWAY | C.Y. | | | | | | |
| X | 5" CONCRETE WALK | S.F. | | | | | | |
| | | | | | | | | |
| X | 7" CONCRETE DRIVEWAY | S.F. | | | | | | |
| | | | | | | | | |
| X | 7" CONCRETE PAVEMENT | S.Y. | | | | | | |
| | 7" CONCRETE ALLEY PAVEMENT | S.Y. | | | | | | |
| X | V.T. CONCRETE BASE | C.Y. | | | | | | |
| | CONCRETE BASE | S.Y. | | | | | | |
| | TACK COAT | GAL. | | | | | | |
| | BASE PREP. FOR ASPHALT SURFACE | L.S. | | | | | | |
| X | V.T. ASPH. CONC. PAV'T. ( MAX.) | S.Y. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | CRUSHED STONE BASE | | | | | | | |
| X | 3" CRUSHED GRAVEL BASE | S.Y. | | | | | | |
| | GRAVEL FILLING | TON | | | | | | |
| X | SODDING | S.Y. | | | | | | |
| X | TOPSOIL | C.Y. | | | | | | |
| X | PAVEMENT GRINDING (ASPHALT) | S.Y. | | | | | | |
| | PAVEMENT GRINDING (CONCRETE) | S.Y. | | | | | | |
| X | SEALING PAV'T JOINTS & CRACKS | S.Y. | | | | | | |
| | MANHOLE RINGS | EACH | | | | | | |
| X | SEWER FRAME ADJUSTMENT | V.F. | | | | | | |
| | MANHOLE SEAL (CITY FURNISHED) | EACH | | | | | | |
| X | EROSION CONTROL (TYPE M) | EACH | | | | | | |

THIS SHEET

| STORM DRAINAGE UNITS | | |
|---|---|---|
| C.B.W. - 2 | RESET - 1 | ABANDON - 1 |
| PROJECT IN COMB AREA | | |

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 891

PLAN OF: S. 31ST STREET (2500 S)

W. FOREST HOME AVE. TO W. HAYES AVE.

THIS SECTION: W. FOREST HOME AVE TO W. ARTHUR AVE.

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY | | DATE: | PROJECT NO. ST211190168 | | SHEET 1 OF 2 |
| DESCRIPTIONS BY | S. SALAPAT | DATE: 02-15-14 | | | |
| LEVELS BY | W. WILLIAMS | DATE: 7/2011 | SCALE 1" = 10' | 1/4 SEC. 494 | ALD. DIST. 8 |
| LEVELS TRANSF. BY | | DATE: | | | |
| DESIGNED BY | A. SCHAAFSMA | DATE: 5-18-14 | OBSTRUCTIONS - SEE OBSTRUCTION LIST | | |
| GRADES TRANSF. BY | S. BIEGANSKI | DATE: 6-24-14 | REVISED: | | |
| CHECKED BY | D. [illegible] | DATE: 9/19/14 | REVISED: | | |
| APPROVED BY | [illegible] | DATE: 9/19/14 | REVISED: | | |

FILE: V:\PWELIB\PAVING\26613.FIN
PLOT DATE: 17-SEP-2014

| DATE / TO | 9/19/14 | 1/23/15 | | | | | |
|---|---|---|---|---|---|---|---|
| ESTIMATING | 1 | | | | | | |
| HOLLOW WALKS (STREETS ONLY) | 1 | | | | | | |
| PUBLIC HEARING | 1 | | | | | | |
| CONSTRUCTION | 1 | 6 | | | | | |
| SEWER ENG | 1 | | | | | | |
| WATER ENG | 1 | | | | | | |
| STREET LIGHTING | 1 | | | | | | |
| TRAFFIC ENG | 1 | | | | | | |
| DISTRICT | 2 | | | | | | |
| MEASURING | | 1 | | | | | |
| FORESTRY | 1 | | | | | | |
| UND. GRD. COND. | 1 | | | | | | |
| WATER DIST. | 1 | | | | | | |
| UTILITY COOR. | 1 | | | | | | |
| Rm 506 | 6 | | | | | | |
| PLAN SIZE | 12" X 95" | | | | | | |

| | EROSION CONTROL | AND C.B. | | REQUISITION | PLAN |
|---|---|---|---|---|---|
| | TYPE M | CBW | RESET | ABANDON | NO WORK |
| THIS SHEET | 4 | 2 | 1 | 1 | |
| PROJECT TOTAL | 9 | 4 | 3 | 1 | |

S. 31ST ST. - W. FOREST HOME AVE. TO W. HAYES AVE.
W. FOREST HOME AVE. TO W. ARTHUR AVE.
(1 OF 2) # 26613 12" X 95" ST211190168

NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.

## ESTIMATE / CERTIFICATE QUANTITIES

| DESCRIPTION | UNIT | ASSESS. | X-ING | | | PLAN TOT. | PROJ. TOT. |
|---|---|---|---|---|---|---|---|
| MOBILIZATION | L.S. | | | | | | |
| FINISHING ROADWAY | L.S. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| BARRICADING AND SIGNING | L.S. | | | | | | |
| | | | | | | | |
| CUTTING | C.Y. | | | | | | |
| ROADWAY CUTTING | C.Y. | | | | | | |
| FILLING | C.Y. | | | | | | |
| ROADWAY FILLING | C.Y. | | | | | | |
| | | | | | | | |
| PAVEMENT REMOVAL | S.Y. | | | | | | |
| BITUMINOUS SURFACE REMOVAL | S.Y. | | | | | | |
| CURB &/OR CURB & GUTTER REMOVAL | L.F. | | | | | | |
| CONC. WALK &/OR DRIVEWAY REMOVAL | S.F. | | | | | | |
| SAWING (FULL DEPTH) | L.F. | | | | | | |
| SAWING | L.F. | | | | | | |
| TREES CLEARING | I.D. | | | | | | |
| TREES GRUBBING | I.D. | | | | | | |
| CONCRETE CURB & GUTTER | L.F. | | | | | | |
| V.T. CONC. WALK &/OR DRIVEWAY | C.Y. | | | | | | |
| 5' CONCRETE WALK | S.F. | | | | | | |
| | | | | | | | |
| 7' CONCRETE DRIVEWAY | S.F. | | | | | | |
| | | | | | | | |
| CONCRETE PAVEMENT | S.Y. | | | | | | |
| 7' CONCRETE ALLEY PAVEMENT | S.Y. | | | | | | |
| V.T. CONCRETE BASE | C.Y. | | | | | | |
| CONCRETE BASE | S.Y. | | | | | | |
| TACK COAT | GAL. | | | | | | |
| BASE PREP. FOR ASPHALT SURFACE | L.S. | | | | | | |
| V.T. ASPH. CONC. PAV'T. ( MAX.) | S.Y. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| CRUSHED STONE BASE | | | | | | | |
| CRUSHED GRAVEL BASE | | | | | | | |
| GRAVEL FILLING | TON | | | | | | |
| SODDING | S.Y. | | | | | | |
| TOPSOIL | C.Y. | | | | | | |
| PAVEMENT GRINDING (ASPHALT) | S.Y. | | | | | | |
| PAVEMENT GRINDING (CONCRETE) | S.Y. | | | | | | |
| SEALING PAV'T JOINTS & CRACKS | S.Y. | | | | | | |
| MANHOLE RINGS | EACH | | | | | | |
| SEWER FRAME ADJUSTMENT | V.F. | | | | | | |
| MANHOLE SEAL (CITY FURNISHED) | EACH | | | | | | |
| EROSION CONTROL (TYPE M) | EACH | | | | | | |

| CONDITION OF CONCRETE | |
|---|---|
| B | BROKEN |
| BL | BLUE LINED |
| BP | BACK PITCHED |
| C | CRACKED |
| EP | EXCESSIVE PITCH |
| H | HEAVED |
| JF | JOINT FAILURE |
| MJ | MUD JACKED |
| P | PATCHED |
| PC | POOR CONDITION |
| S | SETTLED |
| SP | SPALLED |
| VG | VERY GOOD |
| VP | VERY POOR |

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 892

PLAN OF: S. 31ST STREET (2400 S)

W. FOREST HOME AVE. TO W. HAYES AVE.

THIS SECTION: W. ARTHUR AVE. TO W. HAYES AVE.

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY | | DATE: | PROJECT NO. ST21190168 | | SHEET 2 OF 2 |
| DESCRIPTIONS BY | S. SALAPAT | DATE: 02-15-14 | | | |
| LEVELS BY | W. WILLIAMS | DATE: 7/2011 | SCALE 1" = 10' | 1/4 SEC. 494 | ALD. DIST. 8 |
| LEVELS TRANSF. BY | | DATE: | | | |
| DESIGNED BY | A. SCHAAFSMA | DATE: 5-8-14 | OBSTRUCTIONS - SEE OBSTRUCTION LIST | | |
| GRADES TRANSF. BY | S. BIEGANSKI | DATE: 6-24-14 | REVISED: | | |
| CHECKED BY | | DATE: 9/19/14 | REVISED: | | |
| APPROVED BY | | DATE: 9/19/14 | REVISED: | | |

FILE: V:\PWELIB\PAVING\26613.FIN
PLOT DATE: 17-SEP-2014

THIS SHEET

| STORM DRAINAGE UNITS | | |
|---|---|---|
| C.B.W. - 2 | RESET - 2 | ABANDON - 0 |
| PROJECT IN COMB AREA | | |

| TO / DATE | 9/19/14 | 11/23/15 |
|---|---|---|
| ESTIMATING | 1 | |
| HOLLOW WALKS (STREETS ONLY) | 1 | |
| PUBLIC HEARING | 1 | |
| CONSTRUCTION | 1 | 6 |
| SEWER ENG | 1 | |
| WATER ENG | 1 | |
| STREET LIGHTING | 1 | |
| TRAFFIC ENG | 1 | |
| DISTRICT | 2 | |
| MEASURING | 1 | |
| FORESTRY | 1 | |
| UND. GRD. COND. | 1 | |
| WATER DIST. | 1 | |
| UTILITY COOR. Rm 506 | 1 | 6 |
| PLAN SIZE | 12" X 110" | |

S. 31ST ST.
W. ARTHUR AVE.
W. HAYES AVE.

| THIS SHEET | EROSION | CONTROL | AND | C.B. | REQUISITION | PLAN |
|---|---|---|---|---|---|---|
| | TYPE M | ☒ - CBW | | ☐ - RESET | X - ABANDON | NO WORK |
| | 5 | 2 | | 2 | 0 | |

(2 OF 2) # 26613 12" X 105" ST21190168

S. 31ST ST. - W. FOREST HOME AVE. TO W. HAYES AVE.
W. ARTHUR AVE. TO W. HAYES AVE.