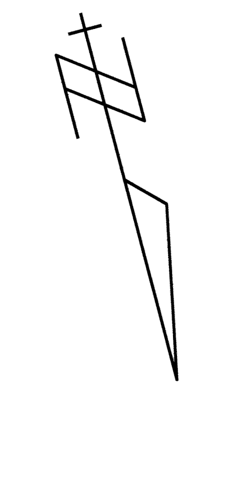


NOTES :

- (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.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED SAN. (SANITARY)
- GRIND THE ROADWAY AS NECESSARY TO ACHIEVE .17' MINIMUM COVER AT FLANGES, .21' AT BUTT JOINTS AND .25' MINIMUM ELSEWHERE.
- REMOVE ASPHALT PATCHES WITHIN PROJECT LIMITS PRIOR TO CRACK & SEAT OF CONCRETE PAVEMENT.
- GRADE AND PLACE 1.5 FT WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE DIRECTED.

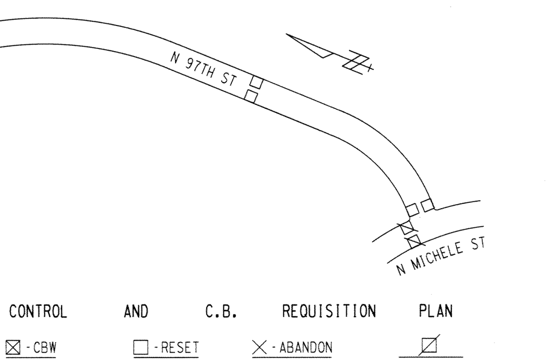
## ESTIMATE / CERTIFICATE QUANTITIES

| | 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. | | | | | | |
| | ROADWAY CUTTING | C.Y. | | | | | | |
| X | FILLING | C.Y. | | | | | | |
| | 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 | 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. | | | | | | |
| | | | | | | | | |
| | CONCRETE PAVEMENT | S.Y. | | | | | | |
| | 7" CONCRETE ALLEY PAVEMENT | S.Y. | | | | | | |
| X | V.T. CONCRETE BASE | C.Y. | | | | | | |
| | CONCRETE BASE | S.Y. | | | | | | |
| X | TACK COAT | GAL. | | | | | | |
| X | BASE PREP. FOR ASPHALT SURFACE | L.S. | | | | | | |
| X | V.T. ASPH. CONC. PAV'T. ( MAX.) | S.Y. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | CRUSHED STONE BASE | | | | | | | |
| | CRUSHED GRAVEL BASE | | | | | | | |
| X | GRAVEL FILLING | TON | | | | | | |
| X | SODDING | S.Y. | | | | | | |
| X | TOPSOIL | C.Y. | | | | | | |
| X | PAVEMENT GRINDING (ASPHALT) | S.Y. | | | | | | |
| X | PAVEMENT GRINDING (CONCRETE) | S.Y. | | | | | | |
| | SEALING PAV'T JOINTS & CRACKS | S.Y. | | | | | | |
| | MANHOLE RINGS | EACH | | | | | | |
| X | SEWER FRAME ADJUSTMENT | V.F. | | | | | | |
| X | MANHOLE SEAL (CITY FURNISHED) | EACH | | | | | | |
| X | EROSION CONTROL (TYPE M) | EACH | | | | | | |
| X | CRACK & SEAT | S.Y. | | | | | | |
| X | JT & CRACK REPAIR | L.F. | | | | | | 1000 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

| DEPARTMENT OF PUBLIC WORKS<br>INFRASTRUCTURE SERVICES DIVISION<br>FIELD OPERATIONS<br>FIELD & DESIGN ENGINEERING<br>MILWAUKEE, WISCONSIN | | | | | FILE NO. 198 |
|---|---|---|---|---|---|
| PLAN OF: W BEATRICE ST- N 96TH ST TO N 97TH (8900N, 9600W) | | | | | |
| (INCL. N 97TH ST - W BEATRICE ST TO N MICHELE ST) | | | | | |
| THIS SECTION: N 96TH ST TO STA 7+00 | | | | | |
| DRAWN BY | G. LANGE | DATE: 03/05/14 | PROJECT NO. ST211140111 | | SHEET 1 OF 3 |
| DESCRIPTIONS BY | G. LANGE | DATE: 03/05/14 | | | |
| LEVELS BY | SCHAAFSMA | DATE: 10/28/13 | SCALE | 1/4 SEC. | ALD. DIST. |
| LEVELS TRANSF. BY | S. CULL | DATE: 01/15/14 | 1" = 10' | 034 | 9 |
| DESIGNED BY | S. CULL | DATE: 01/24/14 | OBSTRUCTIONS - SEE OBSTRUCTION LIST | | |
| GRADES TRANSF. BY | S. CULL | DATE: 01/24/14 | REVISED: | | |
| CHECKED BY | D. [signature] | DATE: 3/24/14 | REVISED: | | |
| APPROVED BY | [signature] | DATE: 3/25/14 | REVISED: | | |
| FILE: V:\PWELIB\PAVING\29309.FIN | | | | | |
| PLOT DATE: 20-MAR-2014 | | | | | |

| STORM DRAINAGE UNITS | | |
|---|---|---|
| C.B.W.- 0 | RESET- 4 | ABANDON- 0 |
| PROJECT IN (SEPARATED) AREA | | |




| EROSION | CONTROL | AND | C.B. REQUISITION | PLAN |
|---|---|---|---|---|
| TYPE M | ☒ - CBW | ☐ - RESET | X - ABANDON | NO WORK |
| 7 | 0 | 4 | 0 | |

| TO \ DATE | 3/26/14 | 6/9/14 |
|---|---|---|
| ESTIMATING | 1 | |
| HOLLOW WALKS | 1 | |
| PUBLIC HEARING | 1 | |
| CONSTRUCTION | 1 | 6 |
| SEWER | 1 | |
| WATER | 1 | |
| STREET LIGHTING | 1 | |
| BLDG. SEWERS | 1 | |
| MEASURING | | 1 |
| FIELD | | 1 |
| DISTRICT FILE | 2 | |
| FORESTRY | 1 | |
| W.E. / G.O. | | |
| WIS. GAS CO. | 1 | |
| TRANSIT SYSTEM | | |
| CABLE TV | | |
| UND. GRD. COND. | 1 | |
| WATER DIST. | 1 | |
| WEPCO N/S | 1 | |
| WEPCO S/S | | |
| SEWER SERVICES | | |
| UTILITY COOR. | 1 | |
| Traffic Eng | 1 | |
| RM 506 | | 15 |
| PLAN SIZE | 24" X 112" | |

W BEATRICE ST - N 96TH ST TO N 97TH (INCL. N 97TH ST - W BEATRICE ST TO N MICHELE ST) ST211140111 24" X 112" 29309 #198 (1 OF 3) N 96TH ST TO STA 7+00

NOTES :

- Ⓘ, Ⓘⅰ, Ⓘⅱ, 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.

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

## 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 | | | | | | |

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

FILE NO. 199

PLAN OF: W BEATRICE ST- N 96TH ST TO N 97TH (8900N, 9700W)
(INCL. N 97TH ST - W BEATRICE ST TO N MICHELE ST)
THIS SECTION: STA 7+00 TO STA 14+00

| | | | | | |
| --- | --- | --- | --- | --- | --- |
| DRAWN BY | G. LANGE | DATE: 03/05/14 | PROJECT NO. ST211140111 | | SHEET 2 OF 3 |
| DESCRIPTIONS BY | G. LANGE | DATE: 03/05/14 | | | |
| LEVELS BY | SCHAAFSMA | DATE: 10/28/13 | SCALE | 1/4 SEC. | ALD.DIST. |
| LEVELS TRANSF. BY | S. CULL | DATE: 01/15/14 | 1" = 10' | 034 | 9 |
| DESIGNED BY | S. CULL | DATE: 01/24/14 | OBSTRUCTIONS - SEE OBSTRUCTION LIST | | |
| GRADES TRANSF. BY | S. CULL | DATE: 01/24/14 | REVISED: | | |
| CHECKED BY | [illegible] | DATE: 3/24/14 | REVISED: | | |
| APPROVED BY | [illegible] | DATE: 3/25/14 | REVISED: | | |
| FILE: V:\PWELIB\PAVING\29309.FIN | | | | | |
| PLOT DATE: 20-MAR-2014 | | | | | |

| STORM DRAINAGE UNITS | | |
| --- | --- | --- |
| C.B.W.- | RESET- | ABANDON- |
| PROJECT IN (SEPARATED) AREA | | |

EROSION CONTROL AND C.B. REQUISITION PLAN

TYPE M ☒ - CBW ☐ - RESET ╳ - ABANDON ∅ NO WORK

| TO \ DATE | 3/26/14 | 6/9/14 | | | |
| --- | --- | --- | --- | --- | --- |
| ESTIMATING | 1 | | | | |
| HOLLOW WALKS | 1 | | | | |
| PUBLIC HEARING | 1 | | | | |
| CONSTRUCTION | 1 | 6 | | | |
| SEWER | 1 | | | | |
| WATER | 1 | | | | |
| STREET LIGHTING | 1 | | | | |
| BLDG. SEWERS | 1 | | | | |
| MEASURING | | 1 | | | |
| FIELD | | 1 | | | |
| DISTRICT FILE | 2 | | | | |
| FORESTRY | 1 | | | | |
| W.E. / G.O. | | | | | |
| WIS. GAS CO. | 1 | | | | |
| TRANSIT SYSTEM | | | | | |
| CABLE TV | | | | | |
| UND. GRD. COND. | 1 | | | | |
| WATER DIST. | 1 | | | | |
| WEPCO N/S | 1 | | | | |
| WEPCO S/S | | | | | |
| SEWER SERVICES | | | | | |
| UTILITY COOR. | 1 | | | | |
| Traffic Eng RM 506 | 1 | 15 | | | |
| PLAN SIZE | 18" X 112" | | | | |

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. |
|---|---|---|---|---|---|---|---|---|
| X | MOBILIZATION | L.S. | | | | | | |
| X | FINISHING ROADWAY | L.S. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| X | BARRICADING AND SIGNING | L.S. | | | | | | |
| | | | | | | | | |
| X | CUTTING | C.Y. | | | | | | |
| X | ROADWAY CUTTING | C.Y. | | | | | | |
| | FILLING | C.Y. | | | | | | |
| | ROADWAY FILLING | C.Y. | | | | | | |
| | | | | | | | | |
| X | PAVEMENT REMOVAL | S.Y. | | | | | | |
| X | 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 | 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. | | | | | | |
| | | | | | | | | |
| | CONCRETE PAVEMENT | S.Y. | | | | | | |
| | 7' CONCRETE ALLEY PAVEMENT | S.Y. | | | | | | |
| X | V.T. CONCRETE BASE | C.Y. | | | | | | |
| X | CONCRETE BASE | S.Y. | | | | | | |
| X | TACK COAT | GAL. | | | | | | |
| X | BASE PREP. FOR ASPHALT SURFACE | L.S. | | | | | | |
| X | V.T. ASPH. CONC. PAV'T. ( MAX.) | S.Y. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | CRUSHED STONE BASE | | | | | | | |
| | CRUSHED GRAVEL BASE | | | | | | | |
| X | GRAVEL FILLING | TON | | | | | | |
| X | SODDING | S.Y. | | | | | | |
| X | TOPSOIL | C.Y. | | | | | | |
| | PAVEMENT GRINDING (ASPHALT) | S.Y. | | | | | | |
| X | PAVEMENT GRINDING (CONCRETE) | S.Y. | | | | | | |
| | SEALING PAV'T JOINTS & CRACKS | S.Y. | | | | | | |
| | MANHOLE RINGS | EACH | | | | | | |
| X | SEWER FRAME ADJUSTMENT | V.F. | | | | | | |
| X | MANHOLE SEAL (CITY FURNISHED) | EACH | | | | | | |
| X | EROSION CONTROL (TYPE M) | EACH | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

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

FILE NO. 200

PLAN OF: W BEATRICE ST- N 96TH ST TO N 97TH (9000N, 9700W)
(INCL. N 97TH ST - W BEATRICE ST TO N MICHELE ST)
THIS SECTION: STA 14+00 TO N MICHELE ST

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY | G. LANGE | DATE: 03/05/14 | PROJECT NO. | | |
| DESCRIPTIONS BY | G. LANGE | DATE: 03/05/14 | ST211140111 | SHEET 3 OF 3 | |
| LEVELS BY | SCHAAFSMA | DATE: 10/28/13 | SCALE | 1/4 SEC. | ALD. DIST. |
| LEVELS TRANSF. BY | S. CULL | DATE: 01/15/14 | 1" = 10' | 034 | 9 |
| DESIGNED BY | S. CULL | DATE: 01/24/14 | OBSTRUCTIONS - SEE OBSTRUCTION LIST | | |
| GRADES TRANSF. BY | S. CULL | DATE: 01/24/14 | REVISED: | | |
| CHECKED BY | D. [signature] | DATE: 3/24/14 | REVISED: | | |
| APPROVED BY | [signature] | DATE: 3/25/14 | REVISED: | | |
| FILE: V:\PWELIB\PAVING\29309.FIN | | | | | |
| PLOT DATE: 19-MAR-2014 | | | | | |

| STORM DRAINAGE UNITS | | |
|---|---|---|
| C.B.W.- | RESET- | ABANDON- |
| PROJECT IN (SEPARATED) AREA | | |

EROSION CONTROL AND C.B. REQUISITION PLAN

TYPE M — ☒ - CBW — ☐ - RESET — X - ABANDON — ☐ NO WORK