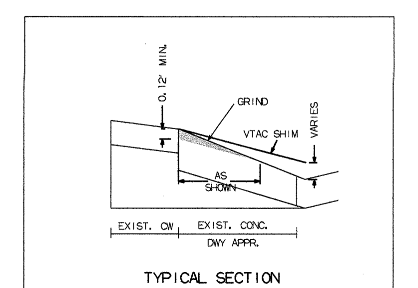
NOTES :

- (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 & PLACE 1.5' WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE DIRECTED.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED SAN. (SANITARY)
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGE, 0.17' AT BUTT JOINTS, AND 0.21' MINIMUM ELSEWHERE.
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH CROWNS AS SHOWN IN EACH PASS, REDUCING THROUGH THE INTERSECTIONS AS SHOWN.



TYPICAL SECTION
ASPHALT BASE ON DRIVEWAYS

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
VGC VERY GOOD
VPC VERY POOR

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.						
	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.						
	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.						
	CONCRETE PAVEMENT	S.Y.						
	7' CONCRETE ALLEY PAVEMENT	S.Y.						
X	V.T. CONCRETE BASE	C.Y.						
	CONCRETE BASE	S.Y.						
	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							
	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 PAVEMENT	S.Y.						
X	JOINT & CRACK REPAIR	L.F.						1500

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

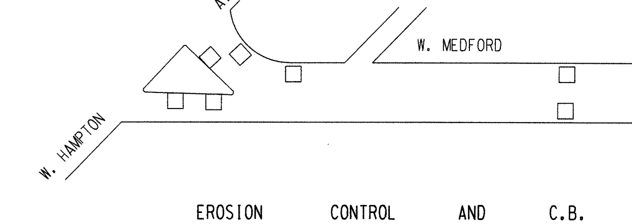
FILE NO. 154

PLAN OF: W. MEDFORD AVE.
W. HAMPTON AVE. TO W. GRANTOSA DR.
THIS SECTION: W. HAMPTON AVE. TO STA 8+00

DRAWN BY	S. BIEGANSKI	DATE: 7/2/14	PROJECT NO. ST211140140		SHEET 1 OF 4
DESCRIPTIONS BY	S. BIEGANSKI	DATE: 7/2/14			
LEVELS BY	PLUTA/BEKELE	DATE: 6/10/14	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1"=10'	212	2
DESIGNED BY	JANACEK	DATE: 11/24/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	W. SNYDER	DATE: 2/23/15	REVISED:		
CHECKED BY	[signature]	DATE: 4/9/15	REVISED:		
APPROVED BY	[signature]	DATE: 4/10/15	REVISED:		
FILE: V:\PWELIB\PAVING\29352.FIN					
PLOT DATE: 08-APR-2015					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 7	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	PLAN
THIS SHEET	7	0	7	0	NO WORK
PROJECT TOTAL	31	2	26	2	NO WORK

TO \ DATE	4/13/15	7/22/15			
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	18" X 120"				

W. MEDFORD AVE. - W. HAMPTON AVE. TO W. GRANTOSA DR. (1 OF 4)
W. HAMPTON AVE. TO STA 8+00 ST211140140 18" X 120" # 29352

NOTES :

- Ⓘ, Ⓘ Ⓘ, Ⓘ Ⓘ Ⓘ, 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
EP EXCESSIVE PITCH
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

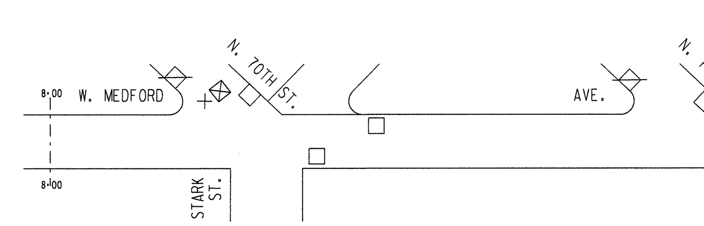
FILE NO. 155

PLAN OF: W. MEDFORD AVE.

W. HAMPTON AVE. TO W. GRANTOSA DR.

THIS SECTION: STA 8+00 TO STA 16+00

DRAWN BY	S. BIEGANSKI	DATE: 7/2/14	PROJECT NO. ST211140140		SHEET 2 OF 4
DESCRIPTIONS BY	S. BIEGANSKI	DATE: 7/2/14			
LEVELS BY	PLUTA/BEKELE	DATE: 6/10/14	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	212	2
DESIGNED BY	JANACEK	DATE: 11/24/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	W. SNYDER	DATE: 2/23/15	REVISED:		
CHECKED BY	D. Ulabach	DATE: 4/9/15	REVISED:		
APPROVED BY	[signature]	DATE: 4/10/15	REVISED:		
FILE: V:\PWELIB\PAVING\29352.FIN					
PLOT DATE: 08-APR-2015					



EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	∅
THIS SHEET	8	1	4	1	NO WORK

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W. - 1	RESET - 4	ABANDON - 1
PROJECT IN (SEPARATED) AREA		

TO \ DATE	4/13/15	7/22/15			
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	18' X 120'				

W. MEDFORD AVE. - W. HAMPTON AVE. TO W. GRANTOSA DR. (2 OF 4)
STA 8+00 TO STA 16+00 ST211140140 18" X 120" 29352

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.

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
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

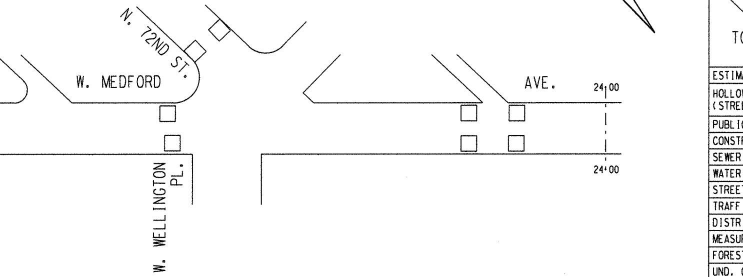
FILE NO. 156

PLAN OF: W. MEDFORD AVE.
W. HAMPTON AVE. TO W. GRANTOSA DR.
THIS SECTION: STA 16+00 TO STA 24+00

DRAWN BY	S. BIEGANSKI	DATE: 7/2/14	PROJECT NO. ST211140140		SHEET 3 OF 4
DESCRIPTIONS BY	S. BIEGANSKI	DATE: 7/2/14			
LEVELS BY	PLUTA/BEKELE	DATE: 6/10/14	SCALE 1" = 10'	1/4 SEC. 212	ALD. DIST. 2
LEVELS TRANSF. BY		DATE:			
DESIGNED BY	JANACEK	DATE: 11/24/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	W. SNYDER	DATE: 2/23/15	REVISED:		
CHECKED BY	D. Ulatowski	DATE: 4/9/15	REVISED:		
APPROVED BY	Robert D. [illegible]	DATE: 4/10/15	REVISED:		
FILE: V:\PWELIB\PAVING\29352.FIN					
PLOT DATE: 08-APR-2015					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 8	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	⌀
THIS SHEET	8	0	8	0	NO WORK

TO \ DATE	4/13/15	7/22/15
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	18' X 120'	

W. MEDFORD AVE. - W. HAMPTON AVE. TO W. GRANTOSA DR. (3 OF 4) ST211140140 18" X 120" # 29352
STA 16+00 TO STA 24+00

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

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

FILE NO. 157

PLAN OF: W. MEDFORD AVE.

W. HAMPTON AVE. TO W. GRANTOSA DR.

THIS SECTION: STA 24+00 TO W. GRANTOSA DR.

DRAWN BY	S. BIEGANSKI	DATE: 7/2/14	PROJECT NO.		
DESCRIPTIONS BY	S. BIEGANSKI	DATE: 7/2/14	ST211140140	SHEET 4 OF 4	
LEVELS BY	PLUTA/BEKELE	DATE: 6/10/14	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	212	2
DESIGNED BY	JANACEK	DATE: 11/24/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	W. SNYDER	DATE: 2/23/15	REVISED:		
CHECKED BY	D. [signature]	DATE: 4/9/15	REVISED:		
APPROVED BY	[signature]	DATE: 4/10/15	REVISED:		
FILE: V:\PWELIB\PAVING\29352.FIN					
PLOT DATE: 08-APR-2015					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W. - 1	RESET - 7	ABA
PROJECT IN (SEPARATED) AREA		