fFOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

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.
- INTERNAL MANHOLE SEALS REQUIRED IN ALL MANHOLES MARKED SAN. (SANITARY).
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGES AND 0.17' MIN. AT BUTT JOINTS, 0.21' MINIMUM ELSEWHERE.

fFOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

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

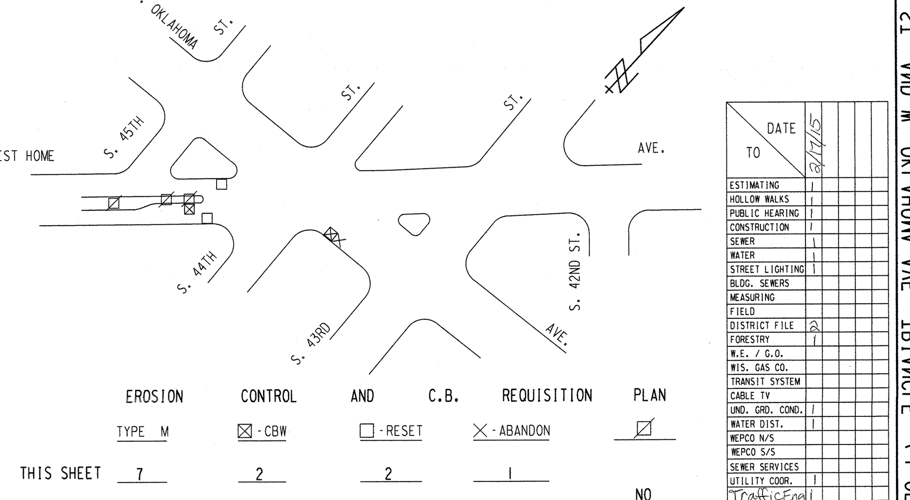
FILE NO. 309

PLAN OF: W. FOREST HOME AVE.
S. 42ND ST. TO S. 45TH ST. (INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE)
THIS SECTION: S. 45TH ST. TO W. OKLAHOMA AVE.

DRAWN BY	D. BEKELE	DATE: 12/16/13	PROJECT NO.		
DESCRIPTIONS BY	D. BEKELE	DATE: 12/16/13	ST211140144	SHEET 1 OF 4	
LEVELS BY	J. LEUCKING	DATE: 6/1/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	F. BARBARA	DATE: 6/25/13	1" = 10'	511 512 531	11
DESIGNED BY	B. DUCHOW	DATE: 7/1/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G.LANGE	DATE: 9/19/14	REVISED:		
CHECKED BY	D. Ulwhoush	DATE: 2/13/15	REVISED:		
APPROVED BY	[signature]	DATE: 2/16/15	REVISED:		
FILE: V:\PWELIB\PAVING\29356.FIN					
PLOT DATE: 27-JAN-2015					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 2	RESET- 2	ABANDON- 1
PROJECT IN (SEPARATED) AREA		



	EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON		☒
THIS SHEET	7	2	2	1		
PROJECT TOTAL	28	3	16	3		NO WORK

TO \ DATE	2/17/15				
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1				
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS					
MEASURING					
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.					
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
TrafficEngi	1				
PLAN SIZE	24" X 122"				

W. FOREST HOME AVE. - S. 42ND ST. TO S. 45TH ST. (INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE) (1 OF 4)
S. 45TH ST. TO W. OKLAHOMA AVE. ST211140144 24" X 122" # 29356

FOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

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						

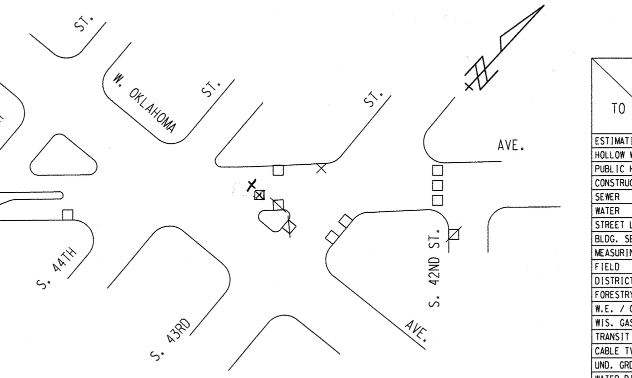
CONDITION OF CONCRETE

- 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
- VGC VERY GOOD
- VPC VERY POOR

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN			FILE NO. 310
PLAN OF: W. FOREST HOME AVE.			
S. 42ND ST. TO S. 45TH ST. (INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE)			
THIS SECTION: W. OKLAHOMA AVE. TO S. 42ND ST.			
DRAWN BY	D. BEKELE	DATE: 12/16/13	PROJECT NO. ST211140144 SHEET 2 OF 4
DESCRIPTIONS BY	D. BEKELE	DATE: 12/16/13	
LEVELS BY	J. LEUCKING	DATE: 6/1/13	SCALE 1" = 10' / 1/4 SEC. 511 512 531 / ALD. DIST. 11
LEVELS TRANSF. BY	F. BARBARA	DATE: 6/25/13	
DESIGNED BY	B. DUCHOW	DATE: 7/1/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	G.L./ D.B.	DATE: 9/29/14	REVISED: MOVE ISLAND B.D. 2-3-15
CHECKED BY	D. Ulatowski	DATE: 2/13/15	REVISED:
APPROVED BY	[signature]	DATE: 2/16/15	REVISED:
FILE: V:\PWELIB\PAVING\29356.FIN			
PLOT DATE: 10-FEB-2015			

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 1	RESET- 7	ABANDON- 2
PROJECT IN (SEPARATED) AREA		



EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
TYPE M	⊠ - CBW	□ - RESET	X - ABANDON	⊠ NO WORK	
THIS SHEET 11	1	7	2		

TO \ DATE	2/17/15
ESTIMATING	1
HOLLOW WALKS	1
PUBLIC HEARING	1
CONSTRUCTION	1
SEWER	1
WATER	1
STREET LIGHTING	1
BLDG. SEWERS	
MEASURING	
FIELD	
DISTRICT FILE	2
FORESTRY	1
W.E. / G.O.	
WIS. GAS CO.	
TRANSIT SYSTEM	
CABLE TV	
UND. GRD. COND.	1
WATER DIST.	1
WEPCO N/S	
WEPCO S/S	
SEWER SERVICES	
UTILITY COOR.	1
Traffic Eng	1
PLAN SIZE	24" X 122"

W. FOREST HOME AVE. S. 42ND ST. TO S. 45TH ST. (INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE (2 OF 4)
W. OKLAHOMA AVE. TO S. 42ND ST. ST211140144
29356 24" X 122"

FOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

ESTIMATE / CERTIFICATE QUANTITIES

FOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

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

FILE NO. 311

PLAN OF: W. FOREST HOME AVE.
S. 42ND ST. TO S. 45TH ST.(INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE)
THIS SECTION: S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE

DRAWN BY	D. BEKELE	DATE: 12/16/13	PROJECT NO. ST211140144	SHEET 3 OF 4
DESCRIPTIONS BY	D. BEKELE	DATE: 12/16/13		
LEVELS BY	J. LEUCKING	DATE: 6/1/13	SCALE 1"=10'	1/4 SEC. 511 512 531 / ALD.DIST. 11
LEVELS TRANSF. BY	F. BARBARA	DATE: 6/25/13		
DESIGNED BY	DUCHOW	DATE: 7/1/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	D.BEKELE	DATE: 9/29/14	REVISED:	
CHECKED BY	D. Ulatowski	DATE: 2/13/14	REVISED:	
APPROVED BY	[signature]	DATE: 2/16/15	REVISED:	
FILE: V:\PWELIB\PAVING\29356.FIN				
PLOT DATE: 10-FEB-2015				

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 2	ABANDON- 0
PROJECT IN (SEPARATED) AREA		

TO \ DATE	2/17/15
ESTIMATING	1
HOLLOW WALKS	1
PUBLIC HEARING	1
CONSTRUCTION	1
SEWER	1
WATER	1
STREET LIGHTING	1
BLDG. SEWERS	
MEASURING	[illegible]
FIELD	
DISTRICT FILE	2
FORESTRY	1
W.E. / G.O.	
WIS. GAS CO.	
TRANSIT SYSTEM	
CABLE TV	
UND. GRD. COND.	1
WATER DIST.	1
WEPCO N/S	
WEPCO S/S	
SEWER SERVICES	
UTILITY COOR.	1
Traffic Eng	1
PLAN SIZE	24" X 122"

W. FOREST HOME AVE. - S. 42ND ST. TO S. 45TH ST.(INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE (3 OF 4)
S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE ST211140144 24" X 122" 29356 #

FOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

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						

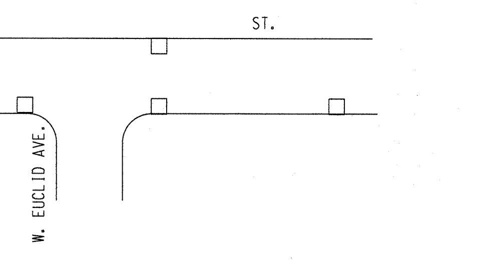
CONDITION OF CONCRETE
B BROKEN
BL BLUE LINED
BP BACK PITCHED
C CRACKED
EP EXCESSIVE PITCH
H HEAVED
JF JOINT FAILURE
MJ MUD JACKED
P PATCHED
PC POOR CONDITION
S SETTLED
SP SPALLED
VGC VERY GOOD
VPC VERY POOR

FOR UTILITY REVIEW
NOT FOR CONSTRUCTION
2/18/2015

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN		FILE NO. 312	
PLAN OF: W. FOREST HOME AVE.			
S. 42ND ST. TO S. 45TH ST. (INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE)			
THIS SECTION: 300' S OF W. EUCLID AVE. TO STA. 7+00			
DRAWN BY	D. BEKELE	DATE: 12/16/13	PROJECT NO. ST211140144 — SHEET 4 OF 4
DESCRIPTIONS BY	D. BEKELE	DATE: 12/16/13	SCALE 1"=10' — 1/4 SEC. 511 512 531 — ALD.DIST. 11
LEVELS BY	J. LEUCKING	DATE: 6/1/13	
LEVELS TRANSF. BY	F. BARBARA	DATE: 6/25/13	
DESIGNED BY	B. DUCHOW	DATE: 7/1/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	D.BEKELE	DATE: 9/29/14	REVISED:
CHECKED BY	D. [signature]	DATE: 2/13/15	REVISED:
APPROVED BY	[signature]	DATE: 2/16/15	REVISED:
FILE: V:\PWELIB\PAVING\29356.FIN			
PLOT DATE: 10-FEB-2015			

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 5	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



EROSION CONTROL	AND	C.B.	REQUISITION	PLAN
TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	NO WORK
THIS SHEET 7	0	5	0	

TO \ DATE	2/17/15
ESTIMATING	1
HOLLOW WALKS	1
PUBLIC HEARING	1
CONSTRUCTION	1
SEWER	1
WATER	1
STREET LIGHTING	1
BLDG. SEWERS	
MEASURING	
FIELD	
DISTRICT FILE	2
FORESTRY	1
W.E. / G.O.	
WIS. GAS CO.	
TRANSIT SYSTEM	
CABLE TV	
UND. GRD. COND.	1
WATER DIST.	1
WEPCO N/S	
WEPCO S/S	
SEWER SERVICES	
UTILITY COOR.	1
Traffic Eng	1
PLAN SIZE	18" X 122"

W. FOREST HOME AVE. S. 42ND ST. TO S. 45TH ST. (INCLUDING S. 43RD ST. AND W. OKLAHOMA AVE. TRIANGLE) (4 OF 4)
300' S OF W. EUCLID AVE. TO STA. 7+00 ST211140144 18" X 122" 29356 #