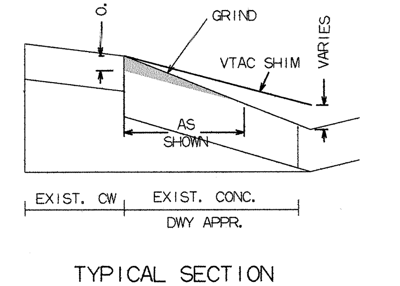
NOTES :

- (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 AND PLACE 1.5' WIDTH SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN PASSES AS INDICATED, WITH CROWNS IN EACH PASS AS SHOWN, REDUCING THROUGH THE INTERSECTION(S) AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.17' MINIMUM COVER AT FLANGES AND 0.17' AT BUTT JOINTS AND 0.21' MINIMUM ELSEWHERE, EXCEPT FOR THE BLOCK OF E. LINNWOOD AVE. TO E. LOCUST ST. (SEE PLAN NOTE).
- ANY TREES TO BE REMOVED AS A PART OF THE PROJECT, WILL BE NOTED IN SPECIAL PROVISIONS.
- PITCH FLANGE 0.08' UNLESS OTHERWISE SHOWN.
- ASPHALT PATCH REMOVAL TO BE DETERMINED AT TIME OF CONSTRUCTION BY THE CONSTRUCTION SUPERVISOR.



TYPICAL SECTION
ASPHALT SHIM 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.						
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.						
	CONCRETE PAVEMENT	S.Y.						
	7" CONCRETE ALLEY PAVEMENT	S.Y.						
X	V.T. CONCRETE BASE	C.Y.						
X	8" 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 R)	EACH						
X	CRACK & SEAT	S.Y.						
X	JT & CRACK REPAIR	L.F.						1400

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

FILE NO. 439

PLAN OF: N. MARYLAND AVE.

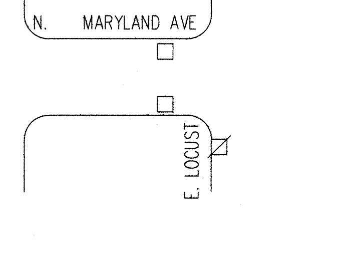
E. NEWBERRY BLVD. TO E. KENWOOD BLVD.

THIS SECTION: E. NEWBERRY BLVD. TO E. LOCUST ST.

DRAWN BY	D. SEBERN	DATE: 7/17/15	PROJECT NO. ST211160106	SHEET 1 OF 3	
DESCRIPTIONS BY	MICHAEL LEE	DATE: 12/11/15			
LEVELS BY	M. BRESINA	DATE: 7/2/15	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	MICHAEL LEE	DATE: 12/11/15	1" = 10'	316	3
DESIGNED BY	A. SCHAAFSMA	DATE: 7/30/15	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	MICHAEL LEE	DATE: 12/11/15	REVISED:		
CHECKED BY	D. Ulrbach	DATE: 2/23/16	REVISED:		
APPROVED BY	[signature]	DATE: 2/24/16	REVISED:		
FILE: V:\PWELIB\PAVING\29616.FIN					
PLOT DATE: 22-FEB-2016					

THIS SHEET

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



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	CBW	RESET	ABANDON	NO WORK
THIS SHEET	3	0	2	0	
PROJECT TOTAL	18	0	12	0	

TO \ DATE	2/24/16	3/23/16			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS					
MEASURING		1			
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.					
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.					
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Eng	1				
RM 506		6			
PLAN SIZE					

N. MARYLAND AVE.-E. NEWBERRY BLVD. TO E. LOCUST ST.
ST211160106 12.5" X 112" Sable # (1 OF 3) E. NEWBERRY BLVD. TO E. KENWOOD BLVD.

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
- 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.						
	L.F.						
V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
7" CONCRETE DRIVEWAY	S.F.						
	S.Y.						
7" CONCRETE ALLEY PAVEMENT	S.Y.						
V.T. CONCRETE BASE	C.Y.						
	S.Y.						
TACK COAT	GAL.						
BASE PREP. FOR ASPHALT SURFACE	L.S.						
V.T.ASPH.CONC.PAV'T.(___ MAX.)	S.Y.						
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

438

PLAN OF: N. MARYLAND AVE.

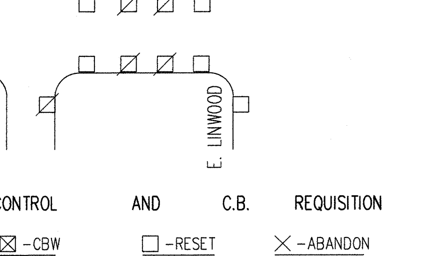
E. NEWBERRY BLVD. TO E. KENWOOD BLVD.

THIS SECTION: E. LOCUST ST. TO E. LINWOOD AVE.

DRAWN BY	D. SEBERN	DATE: 7/17/15	PROJECT NO. ST211160106	SHEET 2 OF 3
DESCRIPTIONS BY	MICHAEL LEE	DATE: 12/11/15		
LEVELS BY	M. BRESINA	DATE: 7/2/15	SCALE 1"=10'	1/4 SEC. 316 / ALD.DIST. 3
LEVELS TRANSF. BY	MICHAEL LEE	DATE: 12/11/15		
DESIGNED BY	A. SCHAAFSMA	DATE: 7/30/15	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	MICHAEL LEE	DATE: 12/11/15	REVISED:	
CHECKED BY	D. Ulatowski	DATE: 2/23/16	REVISED:	
APPROVED BY	[signature]	DATE: 2/24/16	REVISED:	
FILE: V:\PWELIB\PAVING\29616.FIN				
PLOT DATE: 22-FEB-2016				

THIS SHEET

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



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ -CBW	☐ -RESET	╳ -ABANDON	⊘ NO WORK
THIS SHEET	10	0	5	0	

TO \ DATE	2/24/16	3/23/16
ESTIMATING	1	
HOLLOW WALKS	1	
PUBLIC HEARING	1	
CONSTRUCTION	1	6
SEWER	1	
WATER	1	
STREET LIGHTING	1	
BLDG. SERVICES		
MEASURING		1
FIELD		
DISTRICT FILE	2	
FORESTRY	1	
W.E. / G.O.		
WIS. GAS CO.		
TRANSIT SYSTEM		
CABLE TV		
UND. GRD. COND.		
WATER DIST.	1	
WEPCO N/S		
WEPCO S/S		
SEWER SERVICES		
UTILITY COOR.	1	
Traffic Eng RM 506	1	6
PLAN SIZE		

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.

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.						
	L.F.						
V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
7" CONCRETE DRIVEWAY	S.F.						
	S.Y.						
7" CONCRETE ALLEY PAVEMENT	S.Y.						
V.T. CONCRETE BASE	C.Y.						
	S.Y.						
TACK COAT	GAL.						
BASE PREP. FOR ASPHALT SURFACE	L.S.						
V.T.ASPH.CONC.PAV'T.(___ MAX.)	S.Y.						
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
- 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

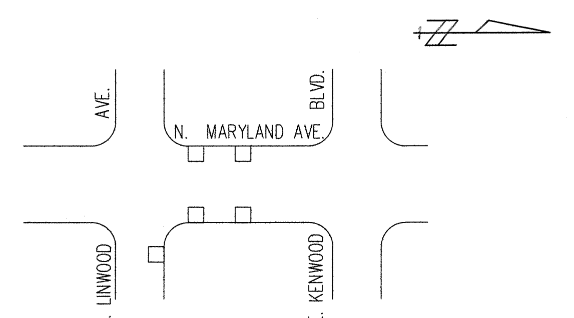
FILE NO. 437

PLAN OF: N. MARYLAND AVE.
E. NEWBERRY BLVD. TO E. KENWOOD BLVD.
THIS SECTION: E. LINWOOD AVE TO E. KENWOOD BLVD.

DRAWN BY	D. SEBERN	DATE: 7/17/15	PROJECT NO. ST211160106	SHEET 3 OF 3
DESCRIPTIONS BY	MICHAEL LEE	DATE: 12/11/15		
LEVELS BY	M. BRESINA	DATE: 7/2/15	SCALE 1"=10'	1/4 SEC. 316 / ALD.DIST. 3
LEVELS TRANSF. BY	MICHAEL LEE	DATE: 12/11/15		
DESIGNED BY	A. SCHAAFSMA	DATE: 7/30/15	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	MICHAEL LEE	DATE: 12/11/15	REVISED:	
CHECKED BY	[signature]	2/17/16	REVISED:	
APPROVED BY	[signature]	2/24/16	REVISED:	
FILE: V:\PAVLIB\DESIGN\29616.DGN				
PLOT DATE: 08-FEB-2016				

THIS SHEET

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



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ -CBW	☐ -RESET	✕ -ABANDON	⌀ NO WORK
THIS SHEET	5	0	5	0	

TO \ DATE	2/24/16	3/23/16
ESTIMATING	1	
HOLLOW WALKS	1	
PUBLIC HEARING	1	
CONSTRUCTION	1	6
SEWER	1	
WATER	1	
STREET LIGHTING	1	
BLDG. SERVICES		
MEASURING		1
FIELD		
DISTRICT FILE	2	
FORESTRY	1	
W.E. / G.O.		
WIS. GAS CO.		
TRANSIT SYSTEM		
CABLE TV		
UND. GRD. COND.		
WATER DIST.	1	
WEPCO N/S		
WEPCO S/S		
SEWER SERVICES		
UTILITY COOR.	1	
Traffic Eng RM 506	1	6
PLAN SIZE		

E. LINWOOD AVE TO E. KENWOOD AVE
N. MARYLAND AVE.-E. NEWBERRY BLVD. TO E. KENWOOD BLVD.
ST211160106 12.5" X 11" 29616 # (3 OF 3)