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 INDICATED.
- PROJECT ISDESIGNED TO BE CONSTRUCTED WITH EQUAL PASSES WITH A CROWN AS INDICATED IN EACH PASS, REDUCING THROUGH THE INTERSECTION(S) AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.17'MINIMUM COVER AT FLANGES, 0.17'AT BUTT JOINTS AND 0.25'ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY).
- ANY TREES TO BE REMOVED AS PART OF THE PROJECT WILL BE NOTED IN SPECIAL PROVISIONS.
- PITCH FLANGE 0.08'UNLESS OTHERWISE SHOWN.
- REMOVE ALL ASPHALT PATCHES WITHIN THE LIMITS OF CONSTRUCTION.

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

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.							
	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	22" CONCRETE CURB & GUTTER	L.F.							
X	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. CONC. 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.							
X	SEALING PAV'T JOINTS & CRACKS	S.Y.							
X	MANHOLE RINGS	EACH							
X	SEWER FRAME ADJUSTMENT	V.F.							
X	MANHOLE SEAL (CITY FURNISHED)	EACH							
X	EROSION CONTROL (TYPE M)	EACH							
	CRACK REPAIR	L.F.	1200						
	CRACK & SEAT	S.Y.							

STORM DRAINAGE UNITS		
C.B.W.- 2	RESET- 5	ABANDON- 2
PROJECT IN (SEPARATED) AREA		

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

FILE NO. 33

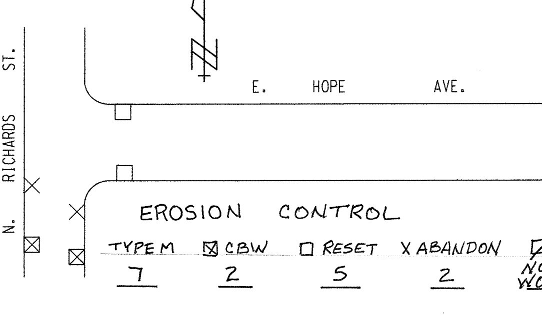
PLAN OF: E. HOPE AVE. (4000N, 400E)
N. RICHARDS ST. TO N. HOLTON ST.
THIS SECTION:

DRAWN BY	ML	DATE: 10/24/14	PROJECT NO. ST211150174 SHEET 1 OF 1
DESCRIPTIONS BY	ML	DATE: 10/24/14	SCALE 1"=10' 1/4 SEC. 241 242 ALD.DIST. 6
LEVELS BY	B. HOFFMANN	DATE: 8/25/14	
LEVELS TRANSF. BY	B.PETRIN	DATE: 8/25/14	
DESIGNED BY	M. MANHARDT	DATE: 3/24/15	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY		DATE:	REVISED:
CHECKED BY	[signature]	DATE: 9/2/15	REVISED:
APPROVED BY	[signature]	DATE: 9/4/15	REVISED:

FILE: V:\PWELIB\PAVING\29560.FIN
PLOT DATE: 28-AUG-2015

DATE / TO	9-8-15	3-17-16
ESTIMATING		
HOLLOW WALKS (STREETS ONLY)		
PUBLIC HEARING		
CONSTRUCTION		
SEWER ENG		
WATER ENG		
STREET LIGHTING		
TRAFFIC ENG		
DISTRICT		
MEASURING		
FORESTRY		
UND. GRD. CONQ.		
WATER DIST.		
UTILITY COOR.		
PLAN SIZE	18"X118"	

PLAN ☒ NO WORK
REQUISITION 2 X-ABANDON
C.B. 5 ☐-RESET
AND
CONTROL 2 ☒-CBW
EROSION 7 TYPE M



E. HOPE AVE. - N. RICHARDS ST. TO N. HOLTON ST. ST211150174 18" X 118" S29560 (1 OF 1)