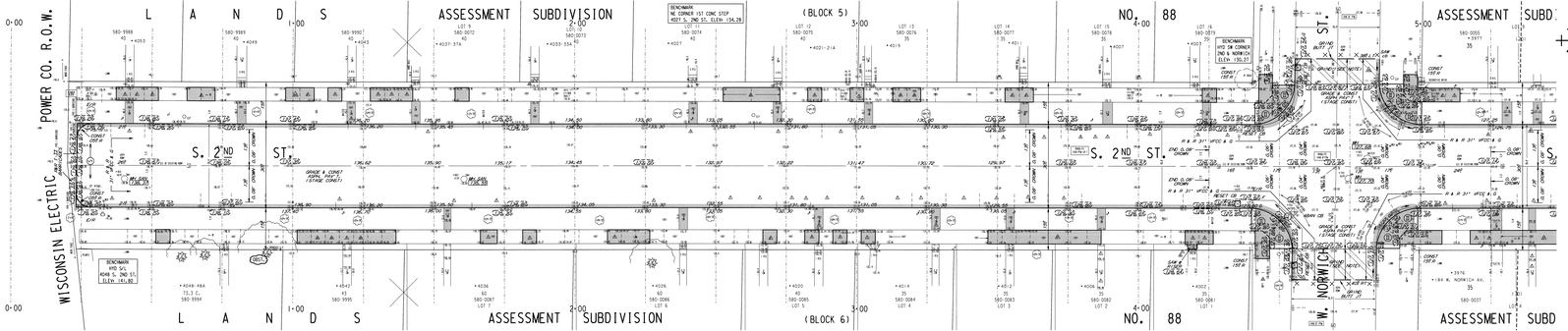

NOTES :

- ① ② ③ ④ 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 CENTER LNE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH A SLOPE DROPPED IN EACH PASS' EXCEPT AS NOTED THROUGH INTERSECTION.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SANY-SANI-TARY".
- GRADE & PLACE 15 WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- NEW ASPHALTIC CONCRETE PAVEMENT (STAGE CONSTRUCTION)

SHALL CONSIST OF:
1" ASPHALTIC CONC SURFACE ON
1" ASPHALTIC BINDER ON
6" CRUSHED STONE BASE

IN AREAS OF GRINDING, GRIND TO OBTAIN 0.0" MIN. COVER AT CURB FLANGE, 0.17" MIN. AT BUTT JOINTS AND 0.21" MIN ELSEWHERE

CONDITION CONCRETE
BROKEN
BLIB LINES
BACK PITCHED
CRACKED
EXCESSIVE PITCH
HEAVED
JOINT FAILURE
MUD JACKED
PATCHED
POOR CONDITION
SETTLED
SPALLED
VERY GOOD
VERY POOR

ESTIMATE / CERTIFICATE QUANTITIES

DESCRIPTION	UNIT	ASSESS. 9-1ND	PLAN TOT.	PROJ. TOT.
MOBILIZATION	L.S.			
ENVIRONMENT REPORT	L.S.			
MARKING/SIGNING AND SIGNING	L.S.			
CUTTING	S.Y.			
PAVEMENT CUTTING	L.F.			
FILLING	C.Y.			
PAVEMENT FILLING	S.Y.			
PAVEMENT REMOVAL	S.Y.			
CURB AND GUTTER REMOVAL	L.F.			
CONC WALK AND SLAB REMOVAL	S.Y.			
SAWING (FULL DEPTH)	L.F.			
SAWING	L.F.			
TREES CLEARING	L.S.			
TREES REMOVAL	EACH			
C.L. CONCRETE CURB & GUTTER	L.F.			
C.L. CONC WALK W/OUT DRIVEWAY	S.Y.			
C. CONCRETE WALK	S.Y.			
C. CONCRETE DRIVEWAY	S.Y.			
CONCRETE PAVEMENT	S.Y.			
C.L. CONCRETE ASLT PAVEMENT	S.Y.			
C.L. CONCRETE BASE	S.Y.			
FIBER FORM	L.F.			
FIBER FORM	L.F.			
BASE PREP. FOR ASPHALT SURFACE	S.Y.			
C.L. ASPHALTIC CONC. SURFACE	TONS			
C. ASPHALTIC CONC. BINDER	TONS			
C. CRUSHED STONE BASE (CRUSHED GRAVEL) BASE				
GRAVEL FILLING	TON			
SODDING	S.Y.			
TOPSOIL	S.Y.			
PAVEMENT DEPRESSIONAL CONCRETE	S.Y.			
PAVEMENT DEPRESSIONAL CONCRETE	S.Y.			
SEAL/RE TWT CONC. MANHOLE	EACH			
MANHOLE RINGS	EACH			
CURB TRACK ADJUSTMENT	M.L.			
MANHOLE SEAL (CITY FURNISHED)	EACH			
EROSION CONTROL (TYPE)	EACH			

PLAN NO.	REQUISITION	C.A.	WO	CONTROL	WO	EROSION	PLAN
1	X ADDENDUM						
2							
3							
4							
5							
6							
7							
8							
9							
10							

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
SEWER DESIGN & CONSTRUCTION SECTION
WILLIAM MORROW
COMMISSIONER OF PUBLIC WORKS

PLAN OF: HOWARD AVE. (4.00L 20M)

DESIGNED			
CHECKED			
DRAWN			
TRACED			
SUBMITTED			
RECOMMENDED			
APPROVED			

PLAN SHEET
PROFILE SHEET

2015 SHEET
2016 SHEET

2015	
2016	

SCALE: 1" = 10'

HOWARD AVE. (100' X 132')

S. 2ND

HOWARD AVE

W. NORWICH ST.

W. POWER ELECTRIC R.O.W.

SCALE: 1" = 10'

PLAN SHEET
PROFILE SHEET

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						

FILE NO. 159

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

DESIGNED BY	WALCZAK	DATE: 1-23-13	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	BIEGANSKI	DATE: 2-18-13	REVISED:
CHECKED BY		DATE: 12/23/13	REVISED:
APPROVED BY		DATE: 1/2/14	REVISED:
FILE: V:\PWELIB\PAVING\29032.FIN			
PLOT DATE: 17-DEC-2013			

EROSION CONTROL AND C.B. REQUISITION PLAN

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

THIS SHEET 4 2 2 0

TO \ DATE	1/3/14	2/18/14
ESTIMATING	1	
HOLLOW WALKS	1	
PUBLIC HEARING	1	6
CONSTRUCTION	1	
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		
WEPCO S/S	1	
SEWER SERVICES		
UTILITY COOR.	1	
TrafficEng RM506		
PLAN SIZE	15	12" X 103"

S. 2ND ST. - A PT. S. OF W. NORWICH ST. TO W. HOWARD AVE.

(2 OF 2) # 29032 12" X 90"