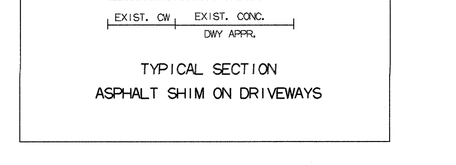
NOTES :

- (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.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE .17' MINIMUM AT FLANGE & BUTT JOINTS, .21 ELSEWHERE.
- PROJECT IS DESIGNED FOR 2 PASSES USING .10' CROWN IN EACH PASS. REDUCE CROWN THROUGH INTERSECTION AS SHOWN.
- ANY TREES TO BE REMOVED AS PART OF THE PROJECT WILL BE INDICATED IN THE CONTRACT SPECIAL PROVISIONS.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SANITARY".
- GRADE & PLACE 1½ FT WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE DIRECTED.

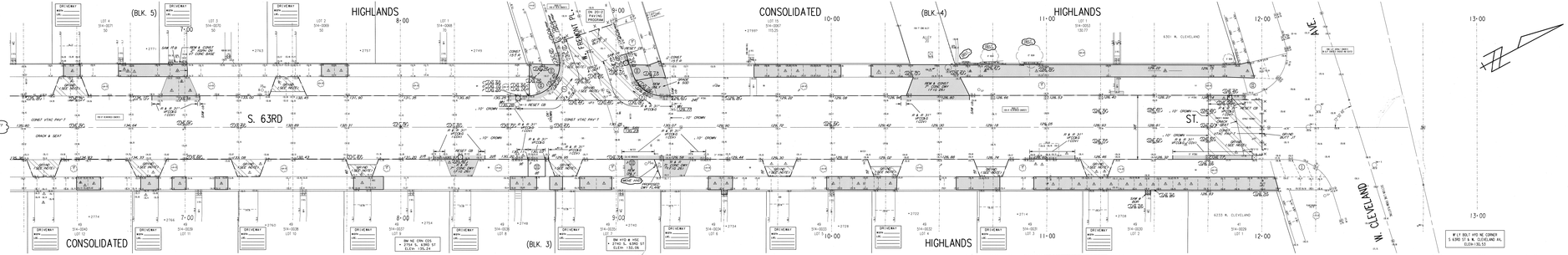


TYPICAL SECTION
ASPHALT SHIM ON DRIVEWAYS

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.
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.						
	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	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.						
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.						
	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	JOINT & CRACK REPAIR	L.F.						900
X	CRACK & SEAT PAVEMENT	S.Y.						



ESTIMATE / CERTIFICATE QUANTITIES

	DESCRIPTION	UNIT	ESTIMATED	PLAN	PREV. EST.
201	MINI-CULVERT	L.S.			
202	PATCHING ROADWAY	L.S.			
203					
204					
205	BARRICADING AND SIGNING	L.S.			
206					
207	SUBTRAIN	C.Y.			
208	EXCAVATION MISCELLANEOUS	C.Y.			
209	FILL-CLAY	C.Y.			
210	ROADWAY FILLING	C.Y.			
211					
212	PAVEMENT REMOVAL	S.Y.			
213	STORMWATER SURFACE REMOVAL	S.Y.			
214	CURB AND GUTTER REMOVAL	L.F.			
215	SIDEWALK, DRIVEWAY, CROSSWALK REMOVAL	S.Y.			
216	SAWING FULL DEPTH	L.F.			
217	SAWING	L.F.			
218	TREES CLEARING	L.S.			
219	TREE REMOVAL, 6" DIA.	EA.			
220	CONCRETE CURB & GUTTER	L.F.			
221	6" - CONC. WALK & DRIVEWAY	S.Y.			
222	CONCRETE WALK	S.Y.			
223					
224	7" CONCRETE DRIVEWAY	S.Y.			
225					
226	CONCRETE PAVEMENT	S.Y.			
227	7" CONCRETE ALLEY PAVEMENT	S.Y.			
228	CONCRETE BASE	S.Y.			
229	CONCRETE BASE	S.Y.			
230	4" ASPH. BINDER	S.Y.			
231	ASH PREC. FINE ASPHALT SURFACE	S.Y.			
232	6.5" ASPH.CONC.PAV'T (MIX)	S.Y.			
233					
234					
235	CRACKED TYPE BASE				
236	(SHALL BASE)				
237	FILL-SAND	CU. YD.			
238	SODDING	S.Y.			
239	SEEDING	S.Y.			
240	PAVEMENT (REMOVING) ASPHALT	S.Y.			
241	ASPHALT PAVEMENT (REMOVING)	S.Y.			
242	BITUMINOUS PAV'T (MIXED & SPRAYED)	S.Y.			
243	MANHOLE RISING	EACH			
244	MANHOLE, CLEANING	EACH			
245	CONC. CULVERT (CAPPED)	L.F.			
246	VARIOUS CONTRACT TYPE WORK	EACH			
247	JOINT & CRACK REPAIR	L.F.			
248					
249					
250					

DIRECTION CONCRETE
1 BRONZE
2 BLUE LINES
3 BACK PITCHES
4 CRACKED
5 HEAVED
6 JOINT FAILURE
7 MID JOINTS
8 PATCHED
9 FOOT CORRECTION
10 SETTLED
11 SPALLED
12 ROPY SURF.
13 ROPY PRIME

1	1/2/2009		
2	2/6/2009		
3	2/13/2009		
4	2/20/2009		
5	3/6/2009		
6	3/13/2009		
7	3/20/2009		
8	3/27/2009		
9	4/3/2009		
10	4/10/2009		
11	4/17/2009		
12	4/24/2009		
13	5/1/2009		
14	5/8/2009		
15	5/15/2009		

1	1/2/2009	
2	2/6/2009	
3	2/13/2009	
4	2/20/2009	
5	3/6/2009	
6	3/13/2009	
7	3/20/2009	
8	3/27/2009	
9	4/3/2009	
10	4/10/2009	
11	4/17/2009	
12	4/24/2009	
13	5/1/2009	
14	5/8/2009	
15	5/15/2009	

DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAY OPERATIONS
DIVISION OF STREETS
S. 63RD ST.
W. CLEVELAND AVE.
PLAN OF PROJECT
PLAN NO. 2-6363-21-
SCALE: 1" = 20'
DATE: 1/2/09
DRAWN BY: J. MOSKOWITZ
CHECKED BY: J. MOSKOWITZ
CONTROL AND C.B. RESUSITATION
CONTROL NO. 2-6363-21-
CONTROL NO. 2-6363-21-
VERSION NO. 1
SHEET NO. 1 OF 1