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 DIRECTED.
- ANY TREE TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED IN THE CONTRACT SPECIAL PROVISIONS.
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH A 0.12 CROWN IN EACH PASS, REDUCING THROUGH INTERSECTIONS AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGES, 0.17' AT BUTT JOINTS AND 0.21' MINIMUM ELSEWHERE.
- REMOVE ASPHALT PATCHES WITHIN LIMITS OF CONSTRUCTION AS DIRECTED BY CONSTRUCTION SUPERVISOR.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED 'SAN.' (SANITARY).

CONDITION OF CONCRETE

- BROKEN
- BLUE LINED
- BACK PITCHED
- CRACKED
- EXCESSIVE PITCH
- HEAVED
- JOINT FAILURE
- MUD JACKED
- PATCHED
- POOR CONDITION
- SETTLED
- SPALLED
- VERY GOOD
- VERY POOR

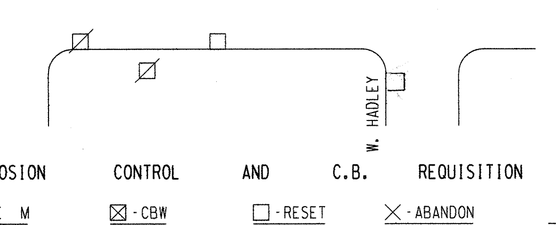
ESTIMATE / CERTIFICATE QUANTITIES

	DESCRIPTION	UNIT	ASSESS.	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.						
	ROADWAY CUTTING	C.Y.						
X	FILLING	C.Y.						
	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.						
	SAWING (FULL DEPTH)	L.F.						
X	SAWING	L.F.						
	TREES CLEARING	I.D.						
	TREES GRUBBING	I.D.						
X	22" 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	6" 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.						
		TONS						
	CRUSHED STONE BASE	S.Y.						
X	3-1/2" CRUSHED GRAVEL BASE							
X	GRAVEL FILLING	TONS						
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.						
X	MANHOLE RINGS	EACH						
X	SEWER FRAME ADJUSTMENT	V.F.						
X	MANHOLE SEAL (CITY FURNISHED)	EACH						
	EROSION CONTROL (TYPE R)	EACH						
X	EROSION CONTROL (TYPE M)	EACH						
X	JOINT & CRACK REPAIR	L.F.					525	1250
X	CRACK + SEAT	S.Y.						

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN			FILE NO. 413		
PLAN OF: N. 91ST ST. (2700N, 9100W)					
W. CENTER ST. TO W. LOCUST ST.					
THIS SECTION: W. CENTER ST. TO W. HADLEY ST.					
DRAWN BY	D.BEKELE	DATE: 8/8/14	PROJECT NO. ST211150134		SHEET 1 OF 2
DESCRIPTIONS BY	D.BEKELE	DATE: 8/8/14			
LEVELS BY	L.BEKELE	DATE: 8/1/14	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	L.BEKELE	DATE: 8/6/14	1" = 10'	302	5
DESIGNED BY	M.SCHULTZ	DATE: 11/5/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	WAS	DATE: 11/16/15	REVISED:		
CHECKED BY	S. Walsh	DATE: 12-17-15	REVISED:		
APPROVED BY	[signature]	DATE: 12/23/15	REVISED:		
FILE: V:\PWELIB\PAVING\29522.FIN					
PLOT DATE: 15-DEC-2015					

PROJECT

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 9	ABANDON- 0
PROJECT IN (COMB) AREA		



	EROSION CONTROL	AND C.B.	REQUISITION		PLAN
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	☐̸
THIS SHEET	6	0	3	0	NO WORK
PROJECT TOTAL	11	0	8	0	NO WORK

TO \ DATE	12/23/15	3/14/16			
ESTIMATING	1				
HOLLOW WALKS (STREETS ONLY)	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER ENG	1				
WATER ENG	1				
STREET LIGHTING	1				
TRAFFIC ENG	1				
DISTRICT	2				
MEASURING		1			
FORESTRY	1				
UND. GRD. COND.					
WATER DIST.	1				
UTILITY COOR.	1				
RM 506		6			
PLAN SIZE	17" X 107"				

W. CENTER ST. TO W. LOCUST ST. ST211150134 17" X 107" # 29522 (1 OF 2)

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						
JOINT & CRACK REPAIR	L.F.					725	

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. 414

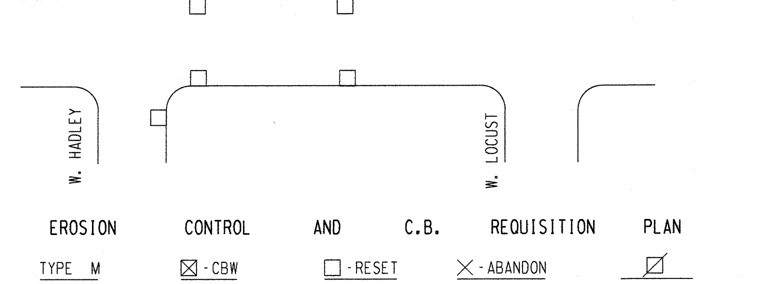
PLAN OF: N. 91ST ST. (2800N, 9100W)

W. CENTER ST. TO W. LOCUST ST.

THIS SECTION: W. HADLEY ST. TO W. LOCUST ST.

DRAWN BY	D.BEKELE	DATE: 8/8/14	PROJECT NO.		SHEET 2 OF 2
DESCRIPTIONS BY	D.BEKELE	DATE: 8/8/14	ST211150134		
LEVELS BY	L.BEKELE	DATE: 8/1/14	SCALE	1/4 SEC.	ALD. DIST.
LEVELS TRANSF. BY	L.BEKELE	DATE: 8/6/14	1" = 10'	302	5
DESIGNED BY	M.SCHULTZ	DATE: 11/5/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	WAS	DATE: 11/16/15	REVISED:		
CHECKED BY	S. Walul	DATE: 12-17-15	REVISED:		
APPROVED BY	[signature]	DATE: 12/23/15	REVISED:		
FILE: V:\PWELIB\PAVING\29522.FIN					
PLOT DATE: 15-DEC-2015					

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



EROSION CONTROL AND C.B. REQUISITION PLAN

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

TO \ DATE	12/23/15	3/14/16				
ESTIMATING	1					
HOLLOW WALKS (STREETS ONLY)	1					
PUBLIC HEARING	1					
CONSTRUCTION	1	6				
SEWER ENG	1					
WATER ENG	1					
STREET LIGHTING	1					
TRAFFIC ENG	1					
DISTRICT	2					
MEASURING		1				
FORESTRY	1					
UND. GRD. COND.						
WATER DIST.	1					
UTILITY COOR.	1					
RM 506		6				
PLAN SIZE	17" X 107"					

ST211150134 W. LOCUST ST. - W. CENTER ST. TO W. LOCUST ST.

17" X 107" 29522 # (2 OF 2)