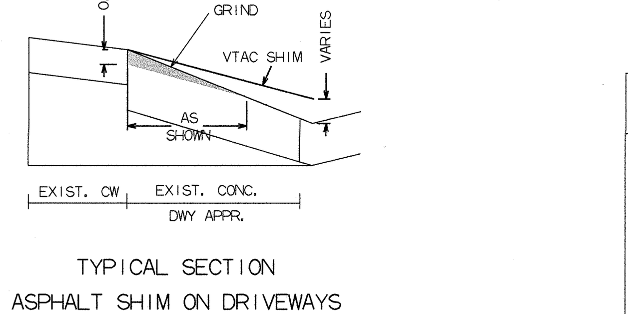
NOTES :

- (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.
- REMOVE ALL ASPHALT PATCHES WITHIN LIMITS OF CONSTRUCTION.
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH A 0.08 CROWN IN EACH PASS, REDUCING THROUGH INTERSECTIONS WHERE SHOWN.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY).
- IN AREAS OF GRINDING GRIND TO ACHIEVE 0.12 MINIMUM COVER AT FLANGES, 0.17 MINIMUM AT BUTT JOINTS AND 0.21 MINIMUM ELSEWHERE.
- ANY TREE TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED IN THE SPECIAL PROVISIONS.
- GRADE & PLACE 1.5' 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
- 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.						
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	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. 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.						
X	JOINT AND CRACK REPAIR	L.F.						1750
X	CRACK AND SEAT CONC PAVT	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.						
X	MANHOLE RINGS	EACH						
X	SEWER FRAME ADJUSTMENT	V.F.						
X	MANHOLE SEAL (CITY FURNISHED)	EACH						
X	EROSION CONTROL (TYPE M)	EACH						

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

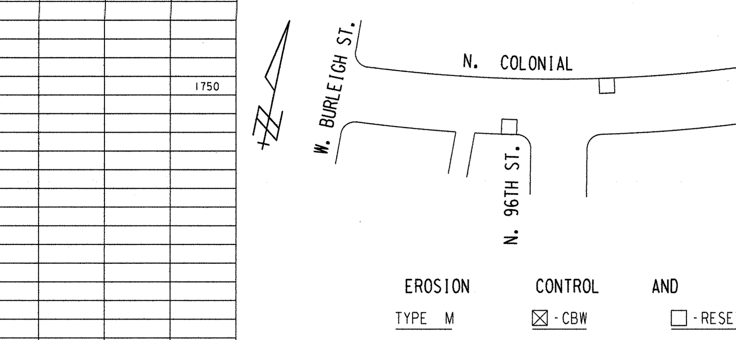
FILE NO. 82

PLAN OF: N. COLONIAL DR.
W. BURLEIGH ST TO W. AUER AVE. (INC. 96TH COLONIAL TO AUER)
THIS SECTION: N. COLONIAL DR. - W. BURLEIGH ST. TO W. AUER AVE.

DRAWN BY	LANGE	DATE: 1-7-15	PROJECT NO. ST211140105	SHEET 1 OF 2	
DESCRIPTIONS BY	LANGE	DATE: 1-7-15			
LEVELS BY	WILLIAMS	DATE: 11-20-14	SCALE 1" = 10'	1/4 SEC. 294	ALD.DIST. 5
LEVELS TRANSF. BY	JESKE	DATE: 11-26-14			
DESIGNED BY	DUCHOW	DATE: 12-15-14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	LANGE	DATE: 1-16-15	REVISED:		
CHECKED BY	D. Ulobouh	DATE: 2-26-15	REVISED:		
APPROVED BY	[illegible]	DATE: 2/26/15	REVISED:		
FILE: V:\PWELIB\PAVING\29307.FIN					
PLOT DATE: 23-FEB-2015					

THIS SHEET

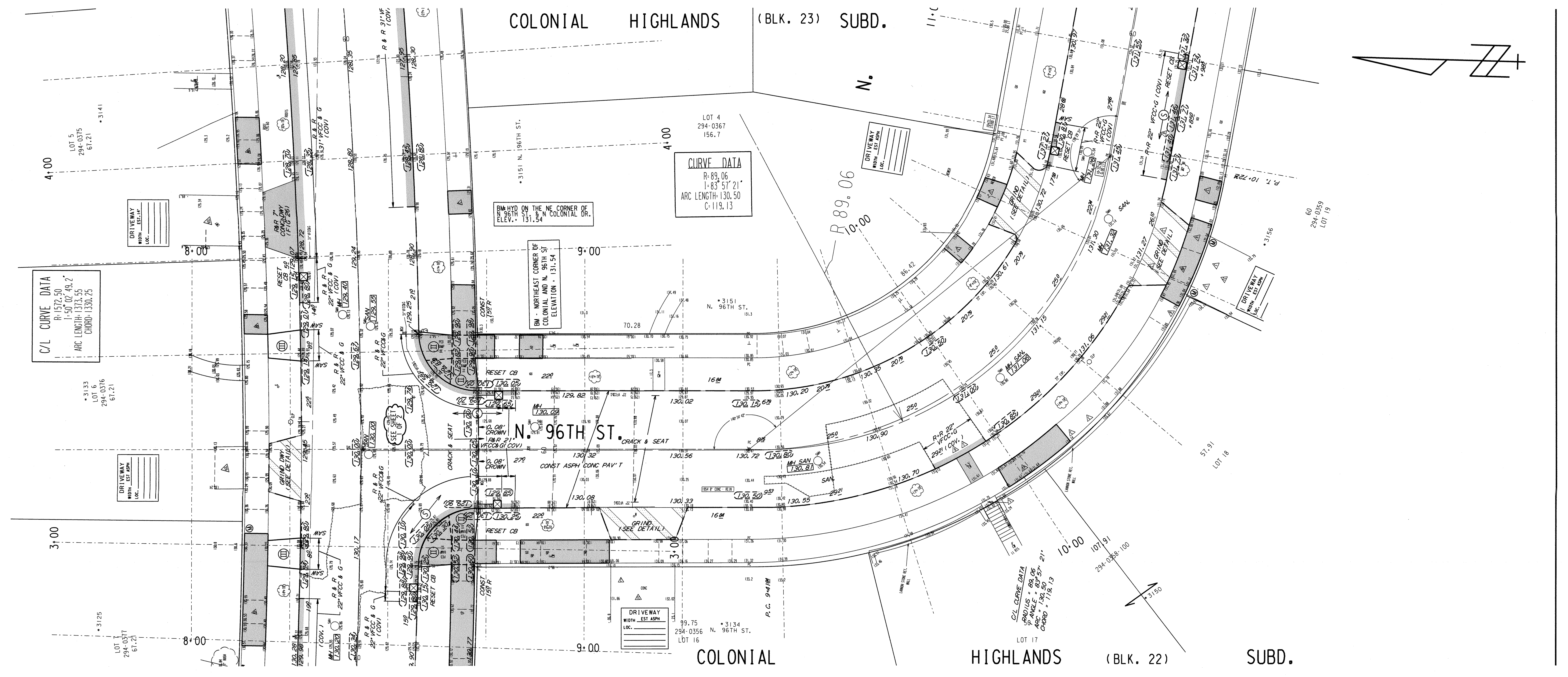
STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 4	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



	EROSION TYPE M	CONTROL ☒ - CBW	AND ☐ - RESET	C.B. REQUISITION ✕ - ABANDON	PLAN
THIS SHEET	4	0	4	0	NO WORK
PROJECT TOTAL	8	0	8	0	NO WORK

TO \ DATE	2/27/15	5/19/15
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.	1	
WATER DIST.	1	
UTILITY COOR.	1	
Rm 506		6
PLAN SIZE	18" X 13"	

W. BURLEIGH ST. TO W. AUER AVE. ST211140105 18" X 130"
DR. - W. BURLEIGH ST. TO W. AUER AVE. INCL. N. 96TH ST. 29307 (1 OF 2)



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
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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.						
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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						

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

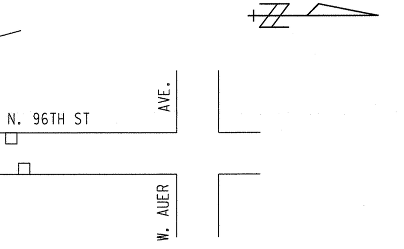
FILE NO. 83

PLAN OF: N. COLONIAL DR.
W. BURLEIGH ST. TO W. AUER AVE (INCL N. 96TH ST- COLONIAL TO AUER)
THIS SECTION: N. 96TH ST - N. COLONIAL DR. TO W. AUER AVE.

DRAWN BY	LANGE	DATE: 1-7-15	PROJECT NO. ST211140105	SHEET 2 OF 2	
DESCRIPTIONS BY	LANGE	DATE: 1-7-15			
LEVELS BY	WILLIAMS	DATE: 11-20-14	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	JESKE	DATE: 11-26-14	1"=10'	294	5
DESIGNED BY	R. DUCHOW	DATE: 12-15-14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	LANGE	DATE: 1-16-15	REVISED:		
CHECKED BY	D. Ulrich	DATE: 2-26-15	REVISED:		
APPROVED BY	[signature]	DATE: 2/26/15	REVISED:		
FILE: V:\PWELIB\PAVING\29307.FIN					
PLOT DATE: 23-FEB-2015					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 4	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	NO WORK
THIS SHEET	4	0	4	0	

TO \ DATE	3/27/15	5/19/15		
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.	1			
WATER DIST.	1			
UTILITY COOR.	1			
Rm 506		6		
PLAN SIZE	18" X 135"			

N. COLONIAL DR. W. BURLEIGH ST. TO W. AUER AVE. INCL. N. 96TH ST. ST211140105 18" X 135" 29307 # (2 OF 2)