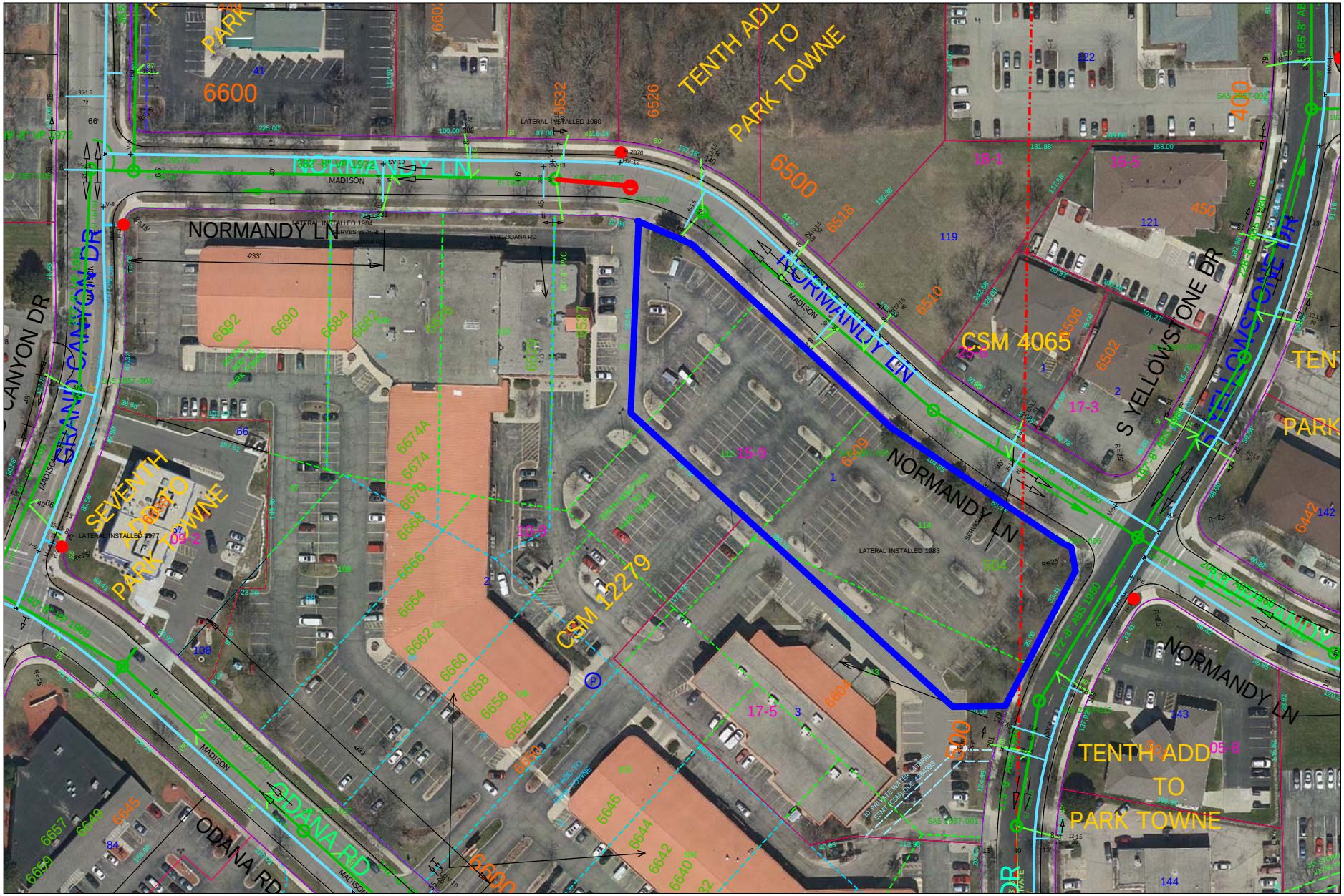


Time: 2/26/2018 9:38:48 AM
Session: C:\GTViewer_Sessions\Deming & Fourier SW.gts

City of Madison, WI - GIS/Mapping data

Printed By: entnt
Disclaimer: The City makes no representation about the accuracy of these records and shall not be liable for any damages

CJ engineering
civil design and consulting
9205 W. Center Street
Suite 214
Milwaukee, WI 53222
PH. (414) 443-1312
FAX (414) 443-1317
www.cj-engineering.com

MSP - NORMANDY SQUARE

MADISON, WISCONSIN

SITE BENCHMARK
SW FLANGE BOLT
HYDRANT
EL = 208.70

EXISTING SANITARY MANHOLE
RIM = 206.81
EX. 8" NW I.E. = 197.87 (TO REMAIN)
EX. 8" SW I.E. = 197.63 (TO REMAIN)
EX. 8" SE I.E. = 197.63
TO BE ABANDONED
PROP. 8" W I.E. 197.6
CORE IN NEW 8" SEWER

PROPOSED
SANITARY MANHOLE
RIM 207.1
(MATCH EXST.
PAVEMENT GRADE)
EXST. 8" SE I.E 197.3±
INSTALL NEW MH OVER
EXISTING 8" SEWER

CONNECT NEW
LATERAL TO
EXISTING 8" SAN. LAT.
(CONTRACTOR TO
VERIFY LOCATION AND ELEV.
AND MAKE CONNECTION)

8" WATER MAIN (PLAN)

PROPOSED
8" SAN. SEWER
138' @ S=0.667%

EXISTING 8" SANITARY SEWER
BETWEEN MANHOLES TO BE ABANDONED (25 FT.)

RADIUS=150.00'
ARC=75.29'
CHORD=74.50'
CHORD BEARING=S62°02'38"E

EXISTING
8" SAN. SEWER
@ S=1.25%

PROPOSED
8" WATER
SERVICE

PROPOSED
8X8 TEE AND 8" VALVE
MAKE CONNECTION PER
CITY REQUIREMENTS

SAWCUT PAVEMENT
AS NEEDED, REPLACE
IN KIND PER CITY
REQUIREMENTS

1 1/2" LATERAL (PLAN)

NORMANDY LANE
(66' WIDE PUBLIC RIGHT OF WAY)

EXISTING MANHOLE
SANITARY = 205.56
8" N & S I.E. = 196.63
8" W I.E. = 196.68
PROPOSED 8" E I.E. 196.68

PROPOSED
8" SAN. LATERAL
120' PVC @ S=1/8" FT.
(SAN. SEWER FROM
APARTMENT UNITS)

N02°16'30"E

172.56'

4" DRAIN TILE

4" INV.
203.8

4" INV.
200.9

4" INV.
200.8

4" INV.
200.7

LOT 2
CSM 12279

SAWCUT EXISTING
PAVEMENT ALONG
PROPERTY LINE
(MATCH EXISTING)

FND 1"IP
PK NAIL
(EXST.)

CONCRETE CURB

CONCRETE WALK

CONCRETE CURB

T.O.W. 204.3
B.O.W. 196.7

T.O.W. 204.0
B.O.W. 197.0

T.O.W. 203.2
B.O.W. 201.0

T.O.W. 203.0
B.O.W. 199.0

T.O.W. 206.5
B.O.W. 197.0

T.O.W. 206.5
B.O.W. 196.7

PROP. 8" SAN.
I.E. 199.5±

TRENCH DRAIN
RIM 196.90
S. INV. 195.50

215.68'
S 47°39'54" E

LOT 1
CSM 12279

FND
1"IR

SANITARY MANHOLE
RIM = 203.57
8" NW I.E. = 194.25
8" SE I.E. = 194.09

PROPOSED SAN. CONNECTION
8" EXIST 8" INV. 192.2
PROP. 4" S INV. 192.4
(MAKE CONNECTION
PER CITY REQUIREMENS)

8" WATER MAIN (PLAN)

RADIUS=550.00'
ARC=104.00'
CHORD=103.85'
CHORD BEARING=
S53°04'57"E

1 1/2" LATERAL (PLAN)

SAWCUT PAVEMENT
AS NEEDED, REPLACE
IN KIND PER CITY
REQUIREMENTS

SANITARY MANHOLE
RIM = 199.91
8" NW I.E. = 190.20 (PLAN)
8" SE I.E. = 190.20 (PLAN)
8" NE I.E. = 188.49 (PLAN)
8" SW I.E. = 188.49 (PLAN)

RADIUS=25.00'
ARC=39.28'
CHORD=35.36'
CRD BRG=S13°30'00"E

S58°30'00"E 83.74'

PROPOSED BUILDING
FIRST FLOOR ELEV. 207.0

PROPOSED
10" STORM SEWER
FROM ROOF DRAINS
28' @ S=.96%
(640 GPM)

STORM @ BLDG.
10" INV. 195.65

PROPOSED
STORM MH
RIM 202.1
4" NW INV. 200.5
4" SE INV. 200.5
10" NE INV. 195.50
12" SW INV. 195.45

PROPOSED
4" SAN. LATERAL
75' PVC @ S=1/4" FT.
(SAN. SEWER FROM
LOWER LEVEL ONLY)

PROP.
I.E. 193.2

Commercial 1st
FLOOR

TRASH
ENCLOSURE

FND 1"IP
(BENT)
N 1.51'
E 0.37'

S31°30'00"W 33.41'

YELLOWSTONE DRIVE
(66' WIDE PUBLIC RIGHT OF WAY)

EXST. HYDRANT

RADIUS=433.00'
ARC=95.19'
CHORD=95.00'
CHORD BEARING=S25°12'07"W

EXISTING TREE
TO REMAIN
(TYPICAL)

WEST 48.50'

PROPOSED 8" STORM SEWER
FROM TRENCH DRAIN
24" PVC @ S=0.2%
(0.4 CFS = 100 YR. STM.)

N47°39'34"W

SAWCUT EXISTING
PAVEMENT ALONG
PROPERTY LINE
(MATCH EXISTING)

EXISTING ASPHALT PARKING
(TO REMAIN)

LOT 2
CSM 12279

FND
RR SPIKE

18" RCP W I.E. =
12" PVC SE I.E. = 195.01 (EXST.)
PROPOSED 12" NE I.E. 195.25
PROPOSED 8" NW I.E. 195.01

EXISTING
CATCH BASIN
RIM = 201.19
I.E. = 195.41 (EXST.)

18" RCP SE I.E. =
24" RCP SW I.E. = 193.80

CATCH BASIN
RIM = 200.63
I.E. = 194.25

PROPOSED
12" STORM SEWER
20' @ S=.1%

390.10'

LOT 3
CSM 12279

EXISTING CATCH BASIN
RIM = 201.35
12" PVC NW I.E. = 196.57
12" PVC SE I.E. = 196.57

EXISTING
CATCH BASIN
RIM = 200.65
12" PVC NW
I.E. = 197.00

Existing Theater

TRENCH DRAIN STORM SEWER CALCULATIONS:

AREA (A) = 5200 S.F. (0.12 ACRES)
C = 70% GRASS X 0.2 + 30% PAVE X 0.9 = 0.41
I =7.29 IN/HR (100 YR STORM)

RUNOFF: Q = CIA = (0.41)(7.29)(0.12) = 0.36 CFS

CAPACITY OF 8" PVC @ S=0.2% = 0.63 CFS

NOTE: TRENCH DRAIN TO DRAIN BY GRAVITY AND CAN ACCOMMODATE THE 100-YEAR STORM EVENT.

www.DiggersHotline.com
DIGGERS HOTLINE
DIAL 811 OR (800) 242-8511

202	EXISTING CONTOUR
198	PROPOSED CONTOUR
x 203.5	PROPOSED ELEVATION
ST	EXISTING STORM SEWER
ST	PROPOSED STORM SEWER
SAN	EXISTING SANITARY SEWER
SAN	PROPOSED SANITARY SEWER
W	EXISTING WATER MAIN
W	PROPOSED WATER MAIN
G	BURIED GAS MAIN
//	OVER HEAD WIRE
E	BURIED ELECTRIC

NOTES:

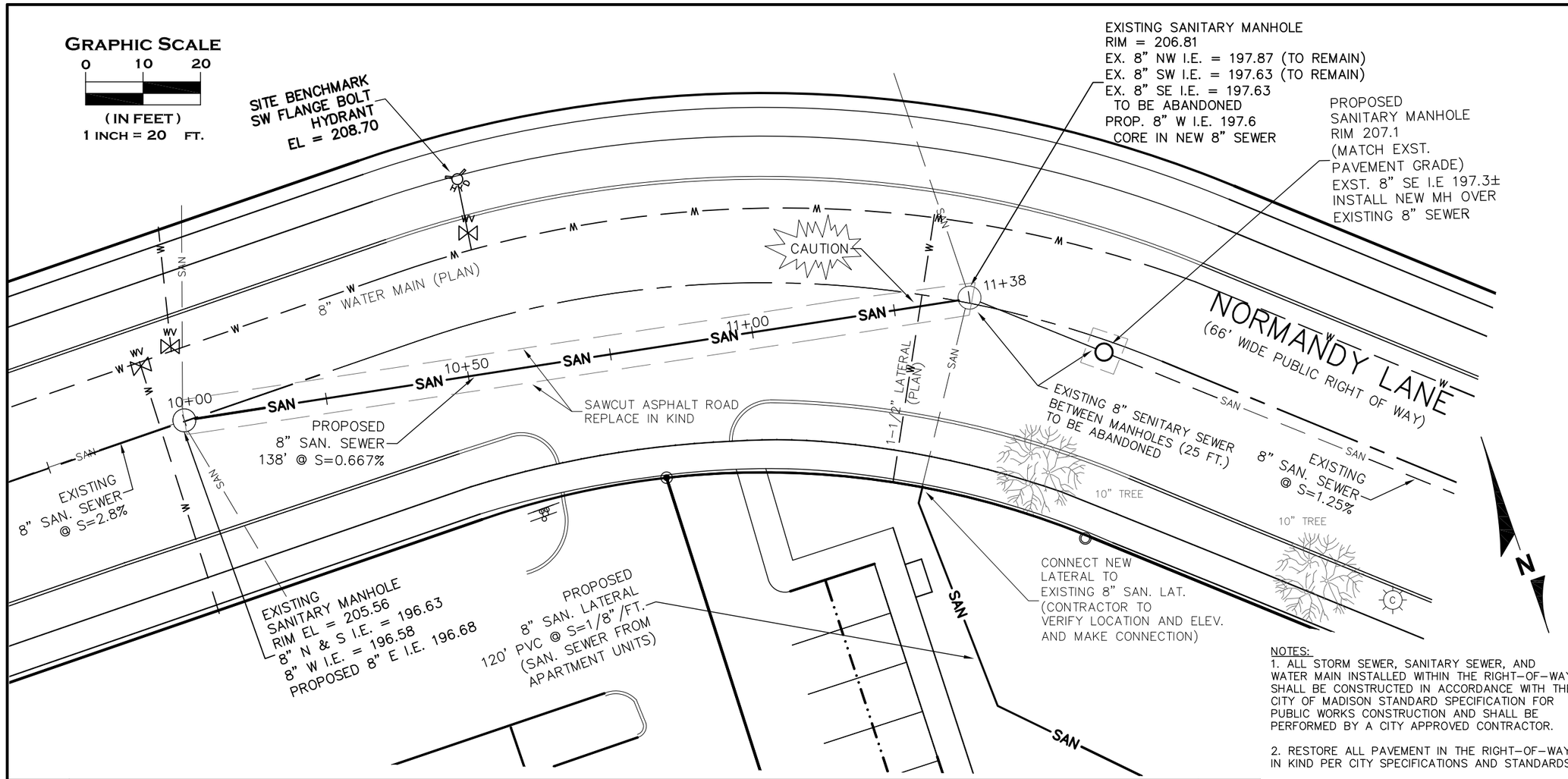
1. ALL STORM SEWER, SANITARY SEWER, AND WATER MAIN MATERIALS AND INSTALLATION PER APPLICABLE SECTIONS OF THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (STANDARD SPECIFICATIONS), WISCONSIN ADMINISTRATIVE PLUMBING CODE AND THE CITY OF MADISON REQUIREMENTS.
2. ALL TRENCHES IN PAVEMENT AREAS SHALL HAVE GRAVEL BACKFILL.
3. EXACT SIZE AND LOCATION OF SANITARY AND WATER SERVICE TO PROPOSED BUILDING BY PLUMBING CONSULTANT/CONTRACTOR.
4. PROPOSED WATER SERVICE SHALL HAVE A MINIMUM 6 FEET OF COVER.
5. THE CONTRACTOR SHALL VERIFY ALL SEWER AND WATER CONNECTIONS PRIOR TO UTILITY CONSTRUCTION. NOTIFY THE ENGINEER WITH ANY DISCREPANCIES.
6. THE PROPOSED GRADES ALONG THE CURB AND RAISED WALK ARE LOCATED AT THE BOTTOM OF CURB AND WALK.
7. DISTURB AREA = 67,500 S.F. (1.55 ACRES).

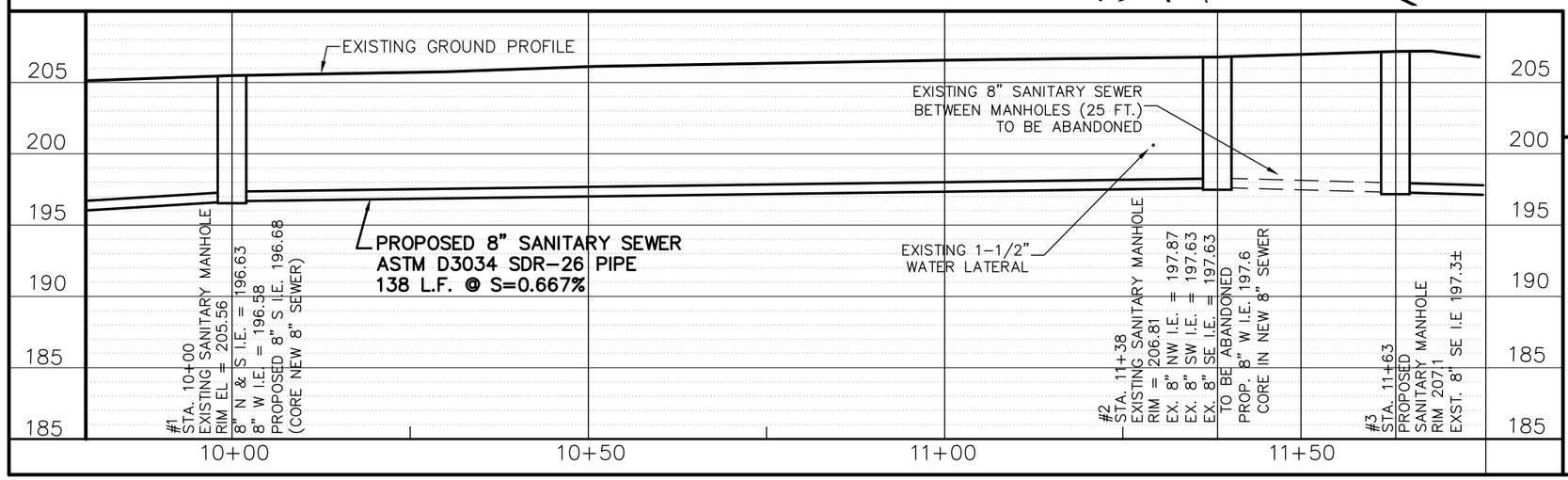
GRAPHIC SCALE
20 0 10' 20' 40'
(IN FEET)
1 INCH = 20 FT.

CJE NO.: I632RI0
OCTOBER 24, 2017
REV. 01-30-18
REV. 02-20-18

SITE GRADING AND UTILITY PLAN

C2.0





NOTES:
1. ALL STORM SEWER, SANITARY SEWER, AND WATER MAIN INSTALLED WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE PERFORMED BY A CITY APPROVED CONTRACTOR.

2. RESTORE ALL PAVEMENT IN THE RIGHT-OF-WAY IN KIND PER CITY SPECIFICATIONS AND STANDARDS.

3. ABANDON EXISTING 8" SEWER BETWEEN EXISTING MH #2 AND PROPOSED MH #3 PER CITY REQUIREMENTS AND SPECIFICATIONS.

4. STATION IS ALONG THE CENTERLINE OF THE SEWER

LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- BURIED GAS MAIN
- OVER HEAD WIRE
- BURIED ELECTRIC

CJ engineering
civil design and consulting
9205 W. Center Street
Suite 214
Milwaukee, WI 53222
PH. (414) 443-1312
www.cj-engineering.com

MSP - NORMANDY SQUARE

MADISON, WISCONSIN

SANITARY SEWER
PLAN AND PROFILE

CJE NO.: 1632RI0
FEBRUARY 20, 2018

C2.1