

STANDARD SYMBOLS

EXISTING	PROPOSED	NAME
		CATCH BASIN
		MANHOLE
		INLET
		UTILITY POLE
		LIGHT POLE
		EXISTING TREES WITH DIAMETER EXISTING TREES TO BE REMOVED
(X.XX)	X.XX	ELEVATION
	*	MATCH EXISTING ELEVATIONS
- - - - -	- - - - -	PROPERTY LINE
- - - - -	- - - - -	RIGHT OF WAY LINE
- - - - -	- - - - -	CENTER LINE
= = = = =	= = = = =	CURB OR CURB AND GUTTER
- - - -	- - - -	WATER LINE
-G -G -G -G	-G -G -G -G	GAS LINE
-G -G -G -G	-G -G -G -G	ABANDONED GAS
-Fo -Fo -Fo -Fo	-Fo -Fo -Fo -Fo	FIBER OPTIC CABLE
-E -E -E -E	-E -E -E -E	COMMONWEALTH EDISON
- - - - -	- - - - -	CITY ELECTRIC
-T -T -T -T	-T -T -T -T	TELEPHONE
->->->->->	->->->->->	COMBINED STORM SEWER
- - - - -	- - - - -	REMOVAL LINEAR ITEMS
- - - - -	- - - - -	STORM SEWER
-Ctv -Ctv -Ctv -Ctv	-Ctv -Ctv -Ctv -Ctv	CABLE TV
-A -A -A -A	-A -A -A -A	AERIAL WIRE
		PORTLAND CEMENT CONCRETE SIDEWALK
		PORTLAND CEMENT CONCRETE DRIVEWAY
		PORTLAND CEMENT CONCRETE GARAGE APRON
		PORTLAND CEMENT CONCRETE ENTRANCE
		HOT MIX ASPHALT RESTORATION
		FULL DEPTH PAVEMENT RESTORATION
		RUBBERIZED SPEED HUMP
		DEPRESSED CURB AND GUTTER

STANDARD ABBREVIATIONS

ABBREVIATION	DEFINITION
ASH	ASPHALT SPEED HUMP
CB	CATCH BASIN
DIP	DUCTILE IRON PIPE
HP	HIGH POINT
MH	MANHOLE
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
RSH	RUBBERIZED SPEED HUMP
TBM	TEMPORARY BENCHMARK
VCP	VITRIFIED CLAY PIPE

THIS CERTIFIES THAT THESE DRAWINGS HAVE BEEN REVIEWED TO THE BEST OF MY KNOWLEDGE AND I BELIEVE THEY ARE IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA), AND ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO, STATE OF ILLINOIS.

LICENSED ARCHITECT / LICENSED ENGINEER

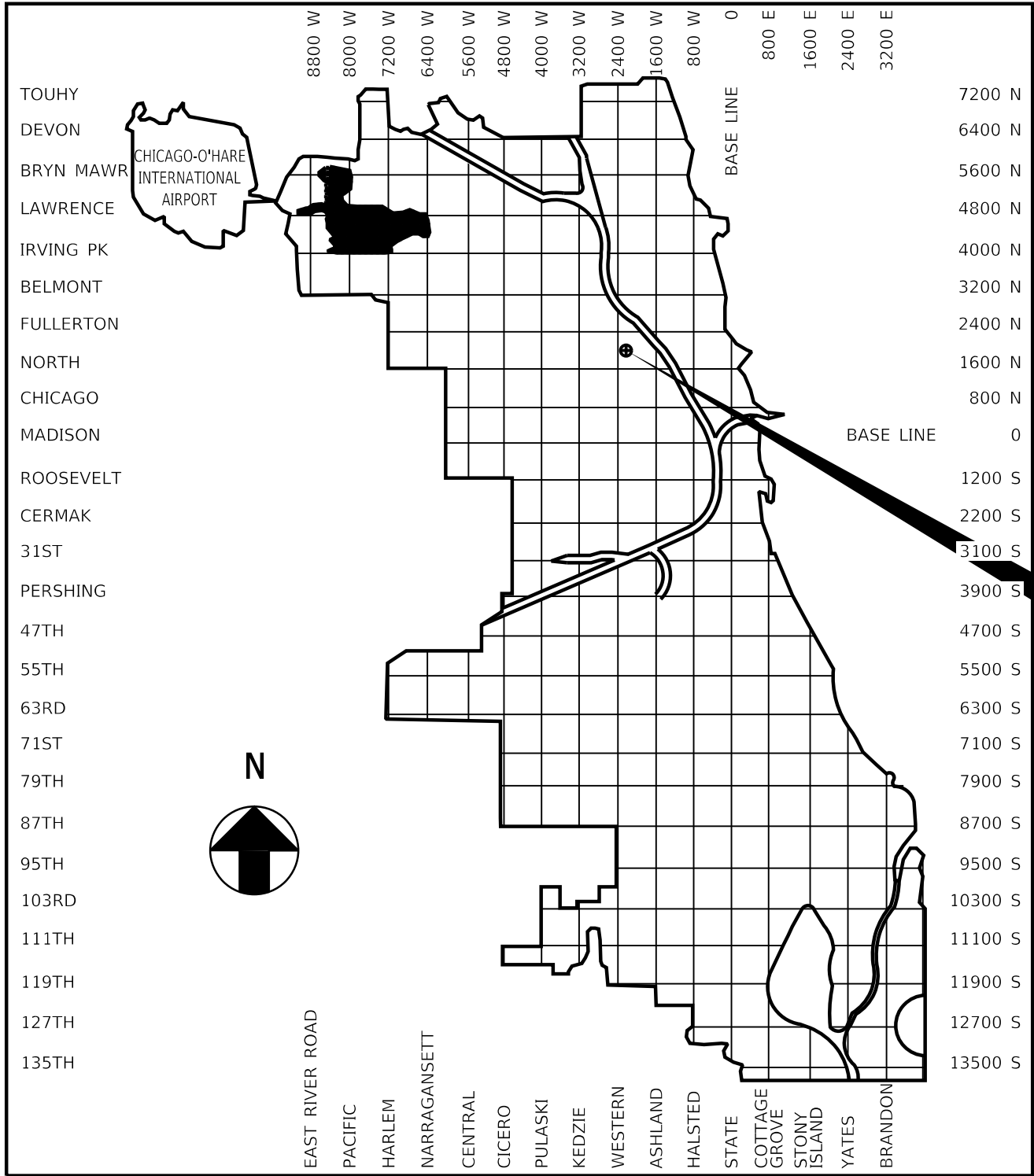
PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO CALL THE CHICAGO UTILITY ALERT NETWORK (DIGGER/CHICAGO811) AT 312-744-7000 FOR UNDERGROUND UTILITY LOCATIONS.

STATE OF ILLINOIS
CITY OF CHICAGO
BRANDON JOHNSON, MAYOR

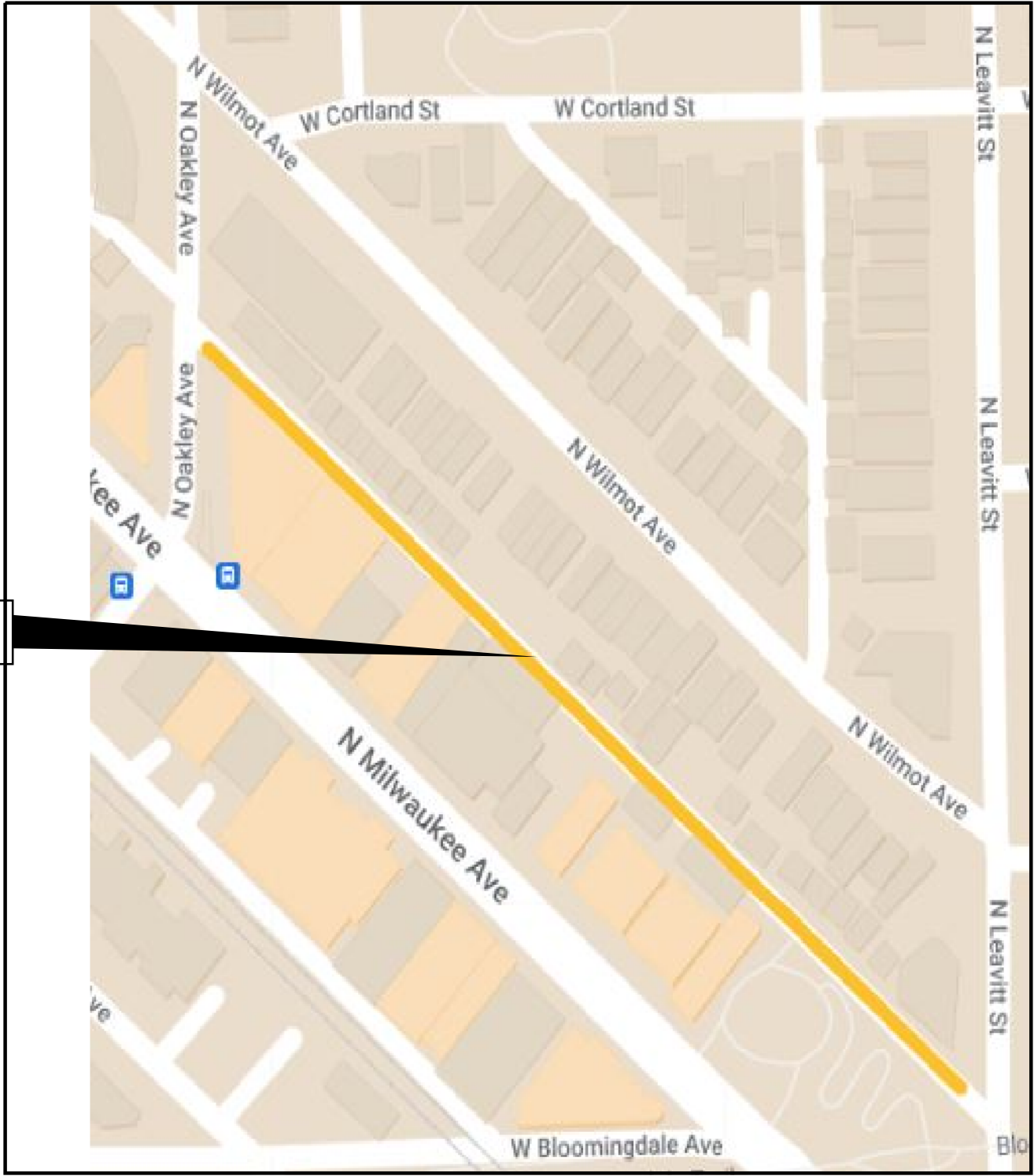
PUBLIC BUILDING COMMISSION
RAY GIDEROF, EXECUTIVE DIRECTOR

DEPARTMENT OF TRANSPORTATION
CRAIG TURNER, ACTING COMMISSIONER

CONTRACT PLANS
FOR
PROPOSED IMPROVEMENTS
N. WILMOT AVENUE/N. MILWAUKEE AVENUE
N. OAKLEY AVENUE/N. LEAVITT STREET
PBC CONTRACT NO.: C1627
CDOT PROJECT NO.: U-5-241
PBC PROJECT NO.: 22923
ISSUED FOR BID: 07/10/2025
CSR NO.: 2307164342
WARD 32



LOCATION MAP



INDEX MAP

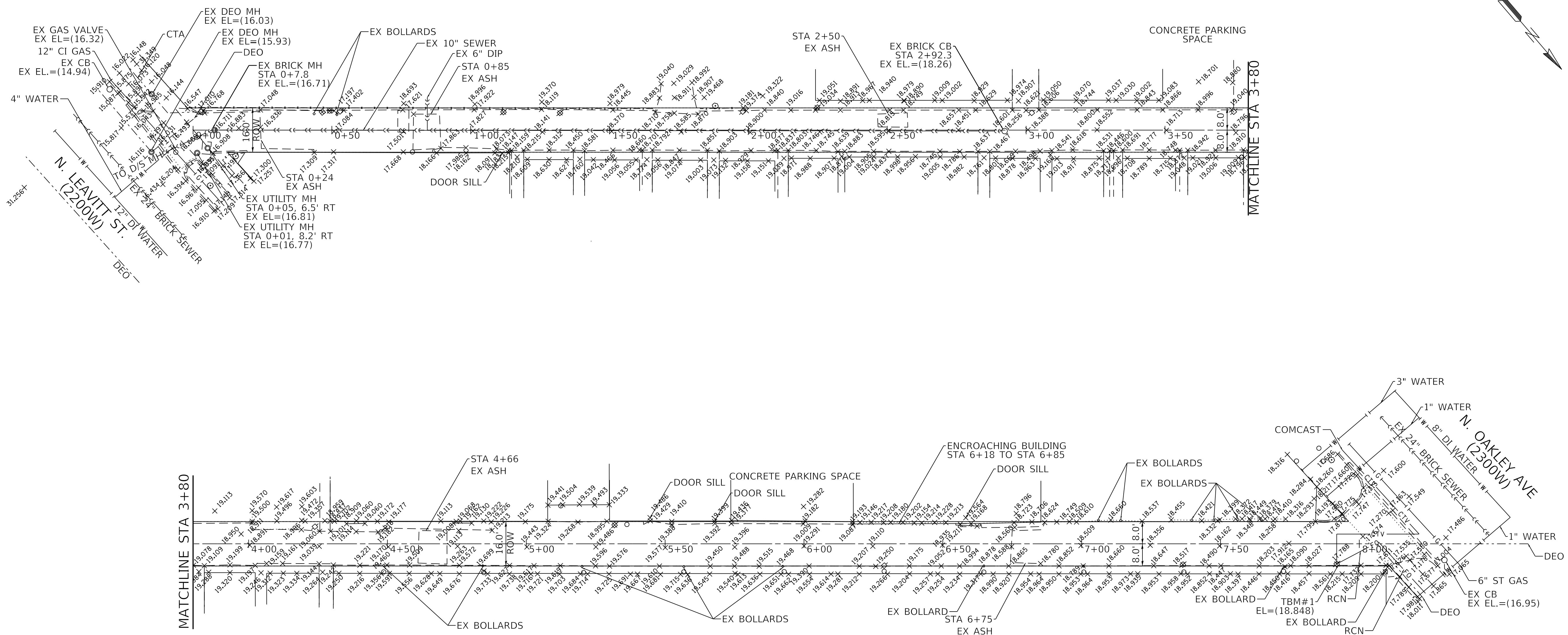
LENGTH OF IMPROVEMENT = 803.7 L.F. (0.15 MILES)

INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET
2	ALIGNMENT TIES AND BENCHMARKS
2	GENERAL NOTES
2	SUMMARY OF QUANTITIES
3	PROPOSED CONDITIONS PLAN VIEW
4-5	PLAN AND PROFILE
6	ALLEY APRON DETAILS
7	TYPICAL SECTIONS
8	CDOT STANDARD CONSTRUCTION DETAILS
9-12	CDWM STANDARD CONSTRUCTION DETAILS
13-15	IDOT STANDARD DETAILS



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NOTES

1. ROW LINES SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR IS TO VERIFY/CONFIRM ROW PRIOR TO CONSTRUCTION.
2. AS-BUILT DRAWING TO BE SUBMITTED TO DWM.
3. ALL EXCAVATIONS MORE THAN 5' (FEET) DEEP MUST COMPLY WITH OSHA REQUIREMENTS.
4. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REQUIREMENTS.
5. CONTRACTOR IS RESPONSIBLE FOR ALLEY CLOSURE PROCEDURES FOLLOWING GUIDELINES OF IDOT STANDARD DETAIL 701501-06. PROCEDURE TO INCLUDE: NOTIFYING BUILDINGS WITHIN PROJECT LIMITS OF EXACT START DATE IN WHICH ALLEY WILL BE CLOSED AND PLACING APPROPRIATE SIGNING AND BARRICADES IN ADVANCE OF ALLEY CLOSURE.

BENCHMARK

CITY OF CHICAGO BENCHMARK #321, ELEV.= 16.677'
10.0' WEST OF THE EAST LINE OF N. ARTESIAN AVE.
AND 55.2' SOUTH OF SOUTH LINE OF W. NORTH AVE.

TBM #1, ELEV.=18.848'
SET LARGE NAIL IN SOUTH-WEST FACE OF 1ST POWERPOLE
SOUTH-EAST OF EAST LINE OF N. OAKLEY AVE. ±17.0'

TBM #2, ELEV.=17.630'
CUT □ NEAR EASTERN EDGE OF CENTER PIER AT CENTER LINE
OF N. LEAVITT ST ON NORTH SIDE OF 626 TRAIL.

LEGEND

- EXISTING ROW LINE
- - - EXISTING LOT LINE



USER NAME	= ashkc	DESIGNED	- AKC	REVISED	-
		DRAWN	- AKC	REVISED	-
PLOT SCALE	= 20.0000 " / in.	CHECKED	- LM/SJ	REVISED	-
PLOT DATE	= 7/3/2025	DATE	- 07/03/2025	ISSUED FOR BID	- 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

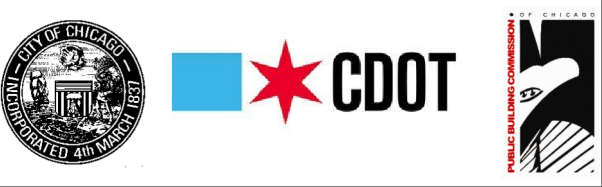
ALIGNMENT TIES AND BENCHMARKS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	2
STA.	TO STA.	SCALE: AS SHOWN	

GENERAL NOTES

- 1. CONTRACTOR WILL BE REQUIRED TO PREPARE A PHASING AND LOGISTICS PLAN WITHIN 30 DAYS OF NTP FOR REVIEW AND APPROVAL BY CDOT AND PBC, PRIOR TO MOBILIZATION AND COMMENCEMENT OF ANY WORK.
- 2. CONTRACTOR SHALL PROVIDE CRITICAL SUBMITTALS, INCLUDING SEWER AND DRAINAGE STRUCTURES, WITHIN 30 DAYS OF ISSUANCE OF THE NTP.
- 3. ON-SITE CONSTRUCTION WORK AT EACH ALLEY LOCATION MUST BE COMPLETED WITHIN 45 CALENDAR DAYS FROM COMMENCEMENT.

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PLOT DATE	= 7/3/2025	DATE	- 07/03/2025	ISSUED FOR BID	- 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

GENERAL NOTES
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

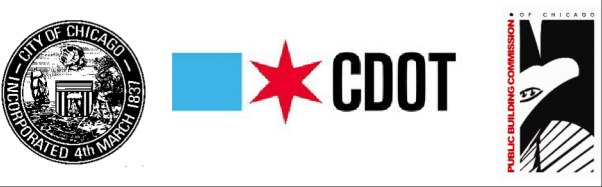
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ouc IR #124705	COOK	17	3
STA. TO STA.	SCALE: NTS		

SUMMARY OF QUANTITIES

Line	Code Number	Description	Unit	Estimated Quantity	Unit Price	Cost
1	*****	EARTH EXCAVATION (SOIL TO CCDD FACILITY)	CU YD	557.0	\$0.00	\$0.00
2	*****	EARTH EXCAVATION (SOIL TO LANDFILL)	CU YD	84.0	\$0.00	\$0.00
3	*****	PAVEMENT REMOVAL	SQ YD	0.0	\$0.00	\$0.00
4	*****	DRIVEWAY AND ALLEY RETURN PAVEMENT REMOVAL	SQ YD	76.0	\$0.00	\$0.00
5	44000300	CURB REMOVAL	LIN FT	0.0	\$0.00	\$0.00
6	44000500	COMBINATION CURB AND GUTTER REMOVAL	LIN FT	0.0	\$0.00	\$0.00
7	44000600	SIDEWALK REMOVAL	SQ FT	0.0	\$0.00	\$0.00
8	*****	ALLEY PAVEMENT REMOVAL	SQ YD	1429.0	\$0.00	\$0.00
9	*****	GARAGE APRON REMOVAL	SQ FT	2036.0	\$0.00	\$0.00
10	*****	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	0.0	\$0.00	\$0.00
11	31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	454.0	\$0.00	\$0.00
12	*****	CONCRETE ALLEY FILL, CA-1	CU YD	0.0	\$0.00	\$0.00
13	20800150	TRENCH BACKFILL	CU YD	0.0	\$0.00	\$0.00
14	*****	PERVIOUS AGGREGATE SUBBASE	CU YD	0.0	\$0.00	\$0.00
15	*****	BEDDING AND VOID OPENING AGGREGATES FOR PERMEABLE PAVERS	CU YD	0.0	\$0.00	\$0.00
16	*****	CRUSHED STONE (TEMPORARY USE)	TON	0.0	\$0.00	\$0.00
17	35300300	PORTLAND CEMENT CONCRETE BASE COURSE, 8 IN	SQ YD	0.0	\$0.00	\$0.00
18	35300500	PORTLAND CEMENT CONCRETE BASE COURSE, 10 IN	SQ YD	0.0	\$0.00	\$0.00
19	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 IN	SQ YD	1429.0	\$0.00	\$0.00
20	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY AND ALLEY RETURN PAVEMENT, 8 IN	SQ YD	0.0	\$0.00	\$0.00
21	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE GARAGE APRON, 8 IN	SQ FT	2036.0	\$0.00	\$0.00
22	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE SIDEWALK, 8 IN	SQ FT	680.0	\$0.00	\$0.00
23	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE, 8 IN	SQ YD	0.0	\$0.00	\$0.00
24	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE, 10 IN	SQ YD	0.0	\$0.00	\$0.00
25	*****	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	SQ FT	0.0	\$0.00	\$0.00
26	*****	PORTLAND CEMENT CONCRETE ADA CURB RAMP, 5 IN	SQ FT	0.0	\$0.00	\$0.00
27	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ADA CURB RAMP, 8 IN	SQ FT	0.0	\$0.00	\$0.00
28	*****	DRILL AND GROUT DOWEL AND TIE BARS	EACH	172.0	\$0.00	\$0.00
29	*****	PERMEABLE CONCRETE BLOCK PAVERS	SQ FT	0.0	\$0.00	\$0.00
30	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	0.0	\$0.00	\$0.00
31	*****	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5LH, MIX "C", N30 (CDOT)	TON	0.0	\$0.00	\$0.00
32	*****	HOT-MIX ASPHALT SURFACE COURSE, PATCH, N30 (6 FT OR LESS)	TON	0.0	\$0.00	\$0.00
33	*****	HOT-MIX ASPHALT SURFACE COURSE, PATCH, N70 (6 FT OR LESS)	TON	0.0	\$0.00	\$0.00
34	60600605	CONCRETE CURB, TYPE B	LIN FT	0.0	\$0.00	\$0.00
35	*****	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER, TYPE B-V.12	LIN FT	0.0	\$0.00	\$0.00
36	*****	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12	LIN FT	0.0	\$0.00	\$0.00
37	*****	MANHOLE, 3 FT DIAMETER, TYPE B, FRAME AND CLOSED LID (CITY OF CHICAGO)	EACH	0.0	\$0.00	\$0.00
38	*****	MANHOLE, 3 FT DIAMETER, TYPE A, FRAME AND CLOSED LID (CITY OF CHICAGO)	EACH	0.0	\$0.00	\$0.00
39	*****	CATCH BASIN, TYPE A, 4 FT DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	2.0	\$0.00	\$0.00
40	*****	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	0.0	\$0.00	\$0.00
41	*****	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH	0.0	\$0.00	\$0.00
42	*****	VORTEX RESTRICTOR	EACH	1.0	\$0.00	\$0.00
43	*****	STORM SEWERS, EXTRA STRENGTH VITRIFIED CLAY PIPE, 8 IN	LIN FT	0.0	\$0.00	\$0.00
44	*****	STORM SEWERS, DUCTILE IRON PIPE, 8 IN	LIN FT	0.0	\$0.00	\$0.00
45	*****	STORM SEWERS, EXTRA STRENGTH VITRIFIED CLAY PIPE, 10 IN	LIN FT	15.0	\$0.00	\$0.00
46	*****	STORM SEWERS, EXTRA STRENGTH VITRIFIED CLAY PIPE, 12 IN	LIN FT	0.0	\$0.00	\$0.00
47	*****	STORM SEWERS, DUCTILE IRON PIPE, 12 IN	LIN FT	0.0	\$0.00	\$0.00
48	*****	STORM SEWERS, REINFORCED CONCRETE PIPE, 30 IN.	LIN FT	0.0	\$0.00	\$0.00
49	*****	CIP OR PRECAST CONCRETE REDUCER	EACH	0.0	\$0.00	\$0.00
50	CDOT SP 550-3	ABANDON AND FILL EXISTING COMBINED SEWER	LIN FT	0.0	\$0.00	\$0.00

51	*****	EXISTING SEWER TO BE REMOVED	LIN FT	0.0	\$0.00	\$0.00
52	*****	REMOVING MANHOLES	EACH	1.0	\$0.00	\$0.00
53	*****	REMOVING CATCH BASINS	EACH	1.0	\$0.00	\$0.00
54	*****	REMOVING INLETS	EACH	0.0	\$0.00	\$0.00
55	*****	SEWER CLEANING AND TELEVISIONING (24 IN DIAMETER OR LESS)	LIN FT	283.0	\$0.00	\$0.00
56	60100085	GEOTECHNICAL FABRIC	SQ YD	0.0	\$0.00	\$0.00
57	*****	PULVERIZED TOPSOIL MIX	CU YD	0.0	\$0.00	\$0.00
58	*****	HYDRAULIC SEEDING, CLASS 1A	SQ YD	0.0	\$0.00	\$0.00
59	78000200	THERMOPLASTIC PAVEMENT MARKING, LINE 4 IN	LIN FT	0.0	\$0.00	\$0.00
60	*****	CONSTRUCTION SIGNS	SQ FT	64.0	\$0.00	\$0.00
61	*****	PREMOLDED RUBBER SPEED HUMPS	EACH	5.0	\$0.00	\$0.00
62	*****	REMOVE AND SALVAGE SIGN PANEL AND POLE ASSEMBLY	EACH	0.0	\$0.00	\$0.00
63	*****	CURB PAINTING	LIN FT	0.0	\$0.00	\$0.00
64	CDOT SP 905-1	MEMBRANE WATERPROOFING SYSTEM	SQ FT	0.0	\$0.00	\$0.00

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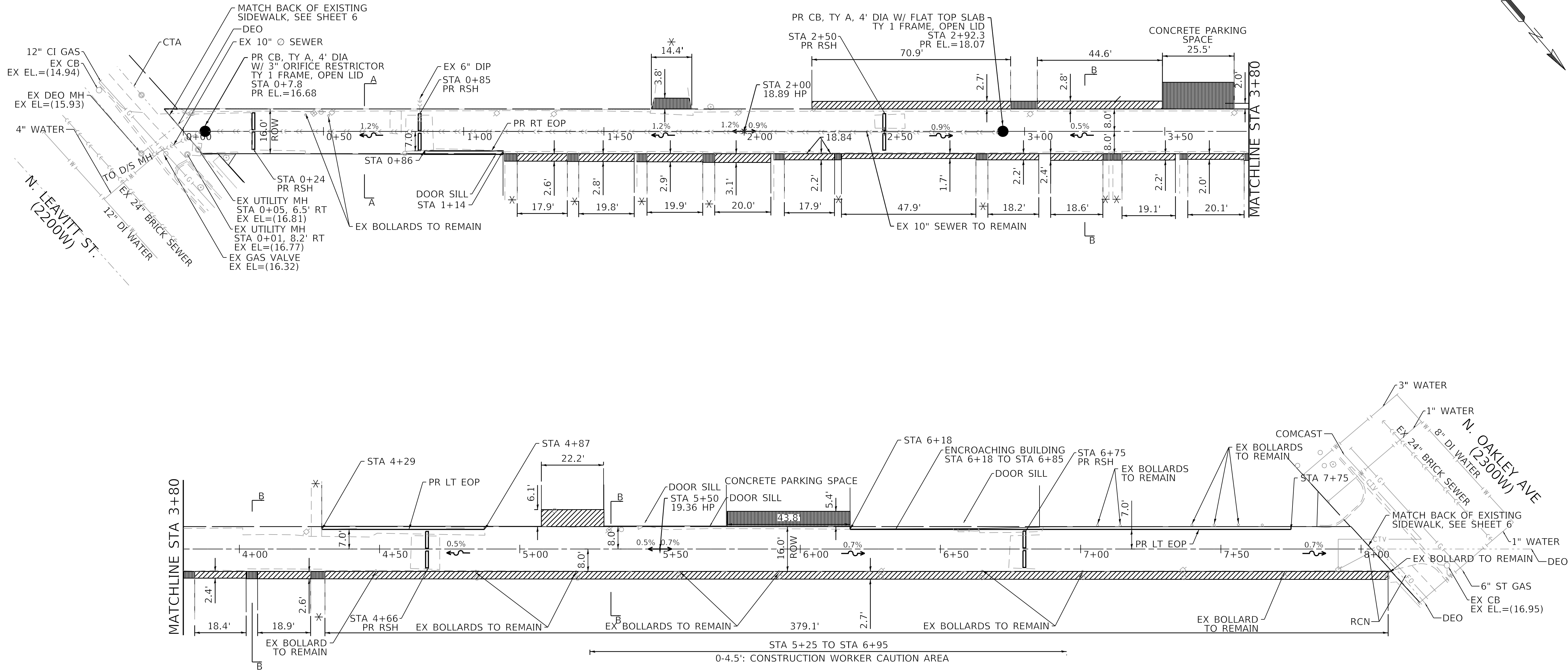


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PLOT SCALE = 20.0000 " / in.	CHECKED - LM/SJ	REVISED -
PLOT DATE = 7/3/2025	DATE - 07/03/2025	ISSUED FOR BID - 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

SUMMARY OF QUANTITIES
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

ouc number	COUNTY	TOTAL SHEETS	SHEET NO.
ouc IR #124705	COOK	17	4
STA. TO STA.	SCALE: NTS		



NOTES

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BENCHMARK

CITY OF CHICAGO BENCHMARK #321, ELEV.= 16.677'
10.0' WEST OF THE EAST LINE OF N. ARTESIAN AVE.
AND 55.2' SOUTH OF SOUTH LINE OF W. NORTH AVE.

TBM #1, ELEV.=18.848'
SET LARGE NAIL IN SOUTH-WEST FACE OF 1ST POWERPOLE
SOUTH-EAST OF EAST LINE OF N. OAKLEY AVE. ±17.0'

TBM #2, ELEV.=17.630'
CUT □ NEAR EASTERN EDGE OF CENTER PIER AT CENTER LINE
OF N. LEAVITT ST ON NORTH SIDE OF 626 TRAIL.

LEGEND

- EXISTING ROW LINE
- EXISTING LOT LINE
- (X.XX) EXISTING ELEV
- X.XX PROPOSED ELEV
- HP HIGH POINT
- REMOVE & REPLACE GARAGE APRONS
- REMOVE & REPLACE PRIVATE ENTRANCE

MODEL: Default
FILE NAME: 32nd Ward-5001-Connect-map_2025-ProjectsGreen-Alley-0_PBC-Alley-Revisions2025Package-8\CADD Drawings\22-CP53_N_Wilmut_Ave & N_Oakley_Ave\CADD Sheets\CP53-shh-align-2.dgn



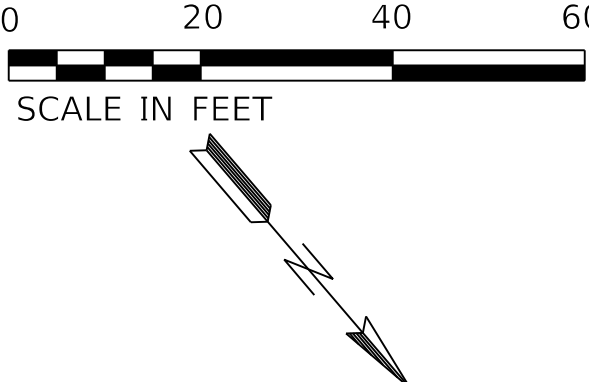
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PLOT DATE = 7/3/2025	DATE - 07/03/2025	ISSUED FOR BID - 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

PROPOSED CONDITIONS PLAN VIEW
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	5
STA. TO STA.	SCALE: AS SHOWN		

PROFILE			BY	DATE
	SURVEYED			
	PLOTTED			
NOTE BOOK	GRADES CHECKED			
	B.M. NOTED			
NO. _____	STRUCTURE NOTAT'NS CHKD			



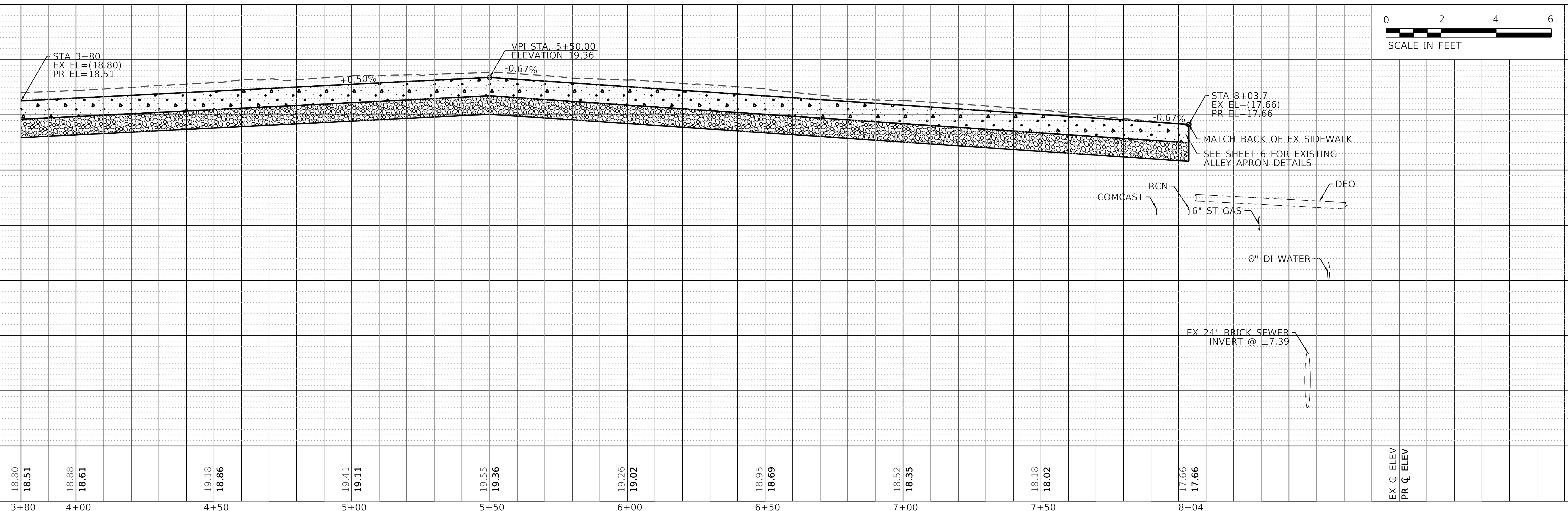
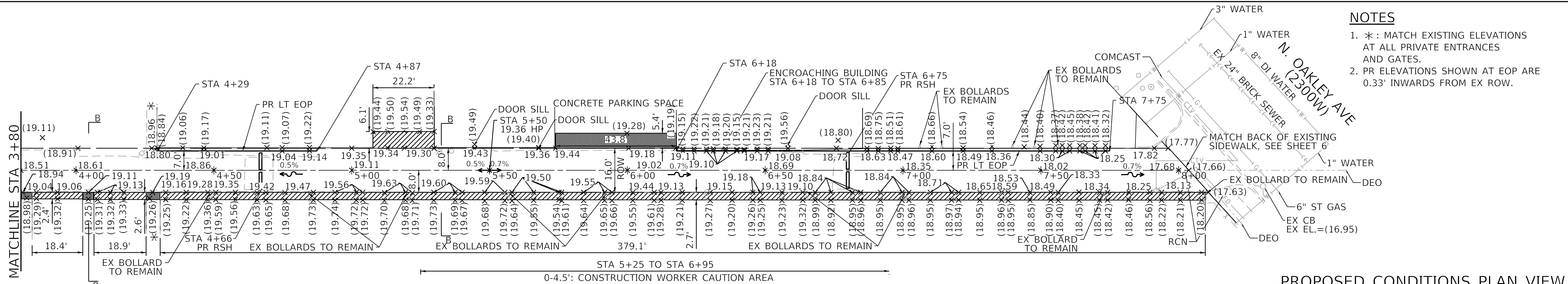
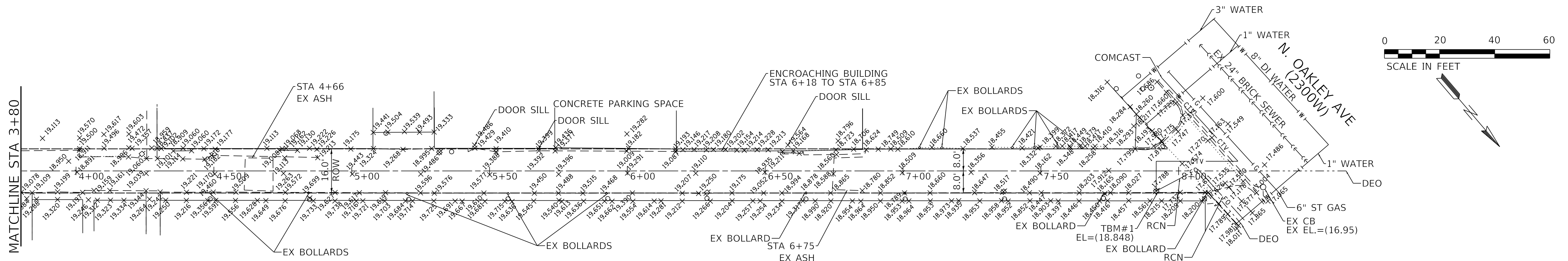
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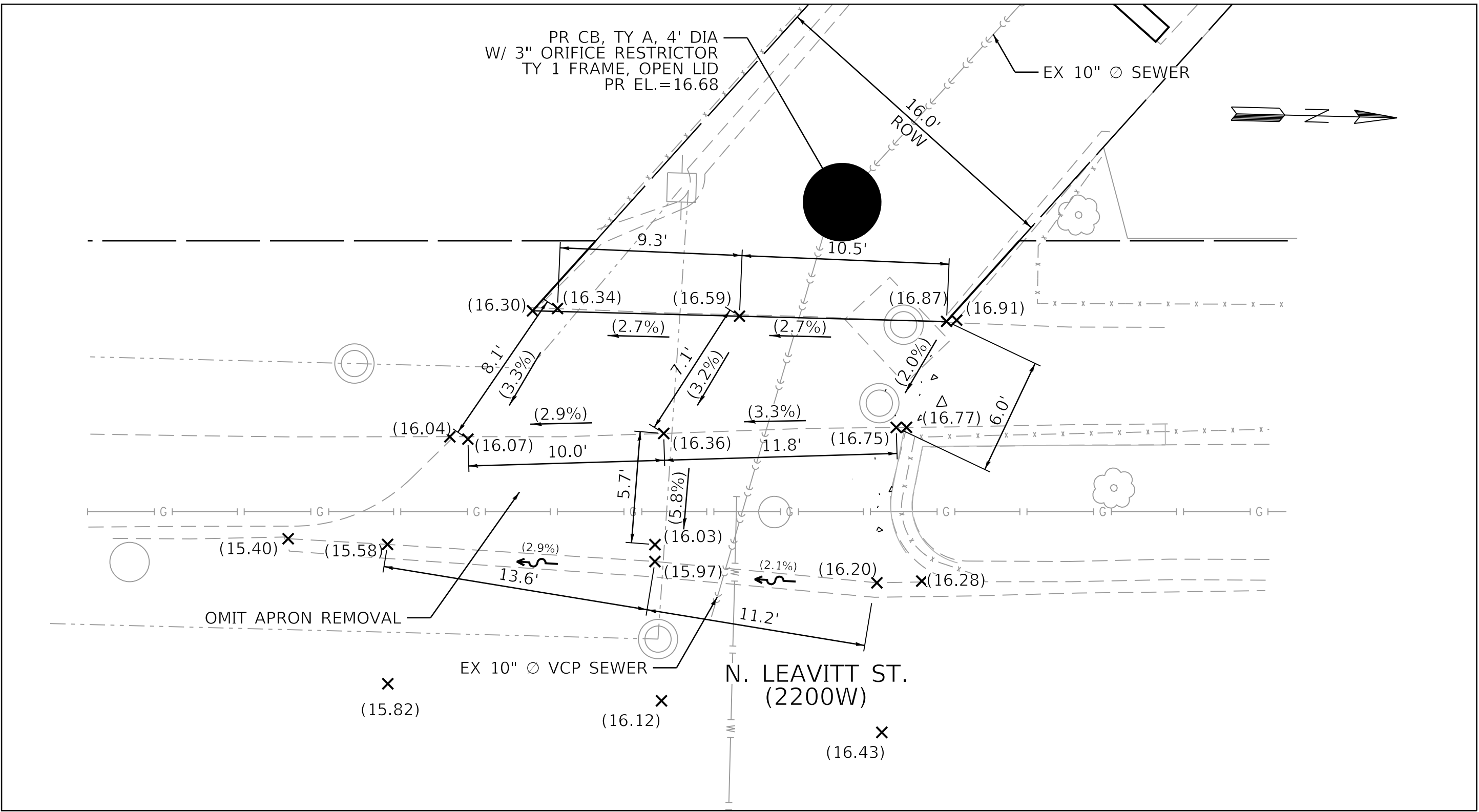
1. *: MATCH EXISTING ELEVATIONS AT ALL PRIVATE ENTRANCES AND GATES.
2. PR ELEVATIONS SHOWN AT EOP ARE 0.33' INWARDS FROM EX ROW.



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OUC IR #124705	COOK	17	6
STA. TO STA.	SCALE: AS SHOWN		

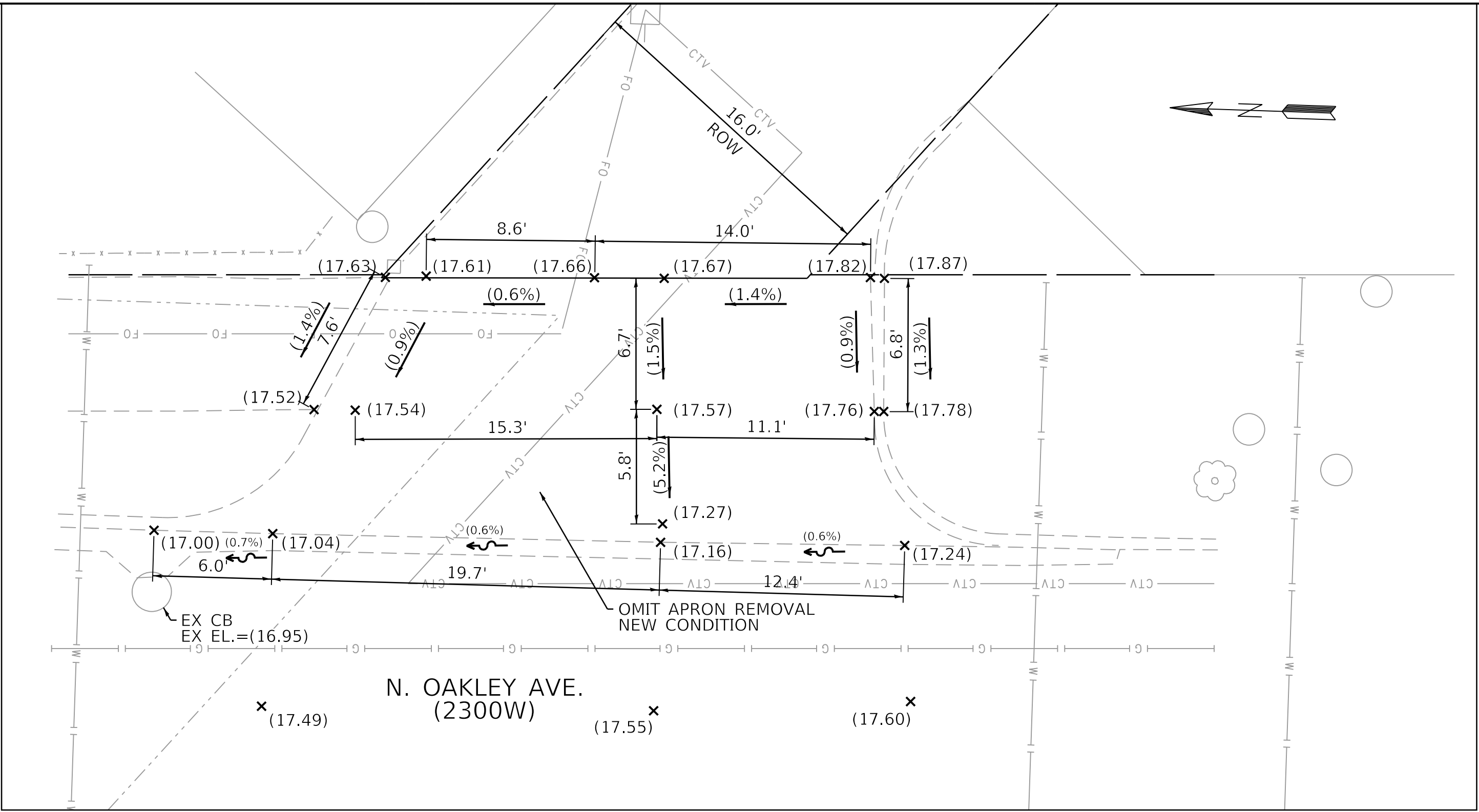
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	PLOTTED _____ ALIGNMENT CHECKED _____ RT. OF WAY CHECKED _____ CADD FILE NAME _____		
NOTE BOOK			
NO. _____			





EXISTING ALLEY APRON DETAILS

1" = 5'



EXISTING ALLEY APRON DETAILS

1" = 5'

MODEL: Default
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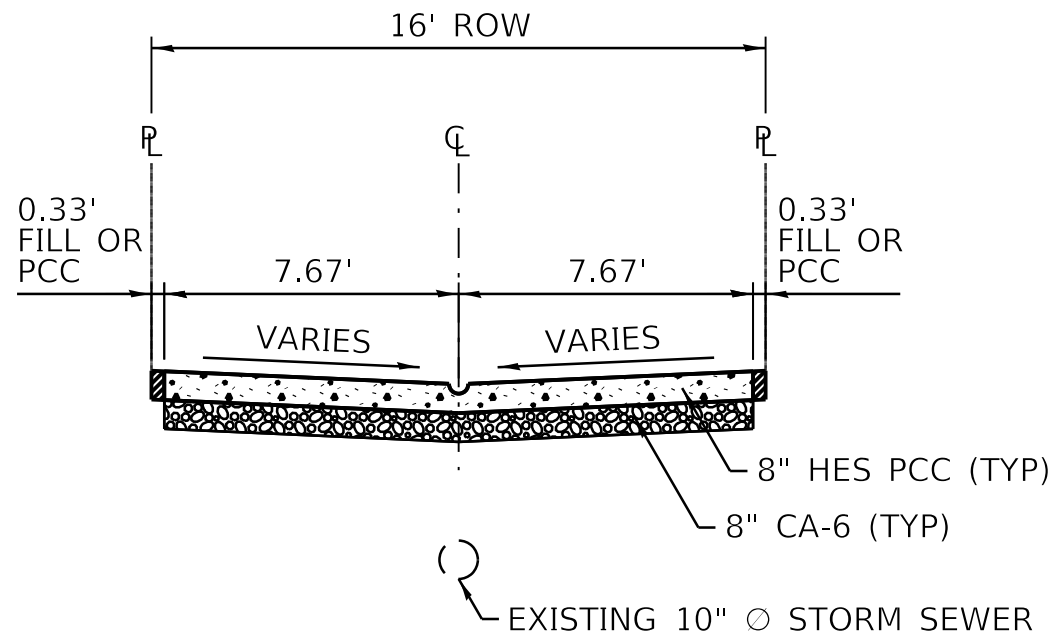


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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

ALLEY APRON DETAILS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

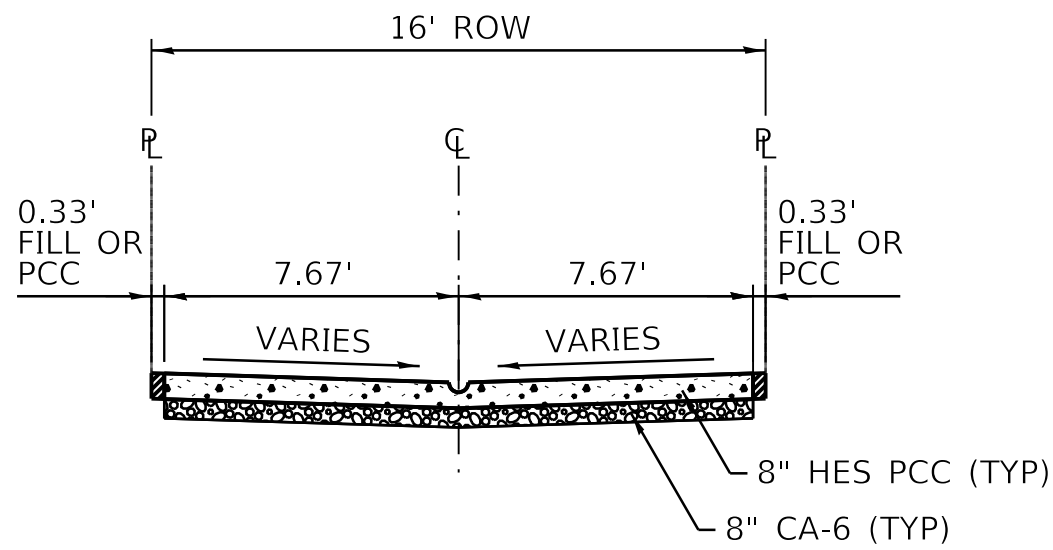
OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	8
STA. TO STA.	SCALE: NTS		



PROPOSED TYPICAL CROSS SECTION A-A

STA. 0+00 TO STA. 2+92

NOTE: 0.33' FILL OR PCC WILL BE PAID FOR AS 8" ALLEY PAVEMENT, CA-6, OR PULVERIZED TOPSOIL MIX W/ HYDROSEED.



PROPOSED TYPICAL CROSS SECTION B-B

STA. 2+92 TO STA. 8+04

NOTE: 0.33' FILL OR PCC WILL BE PAID FOR AS 8" ALLEY PAVEMENT, CA-6, OR PULVERIZED TOPSOIL MIX W/ HYDROSEED.

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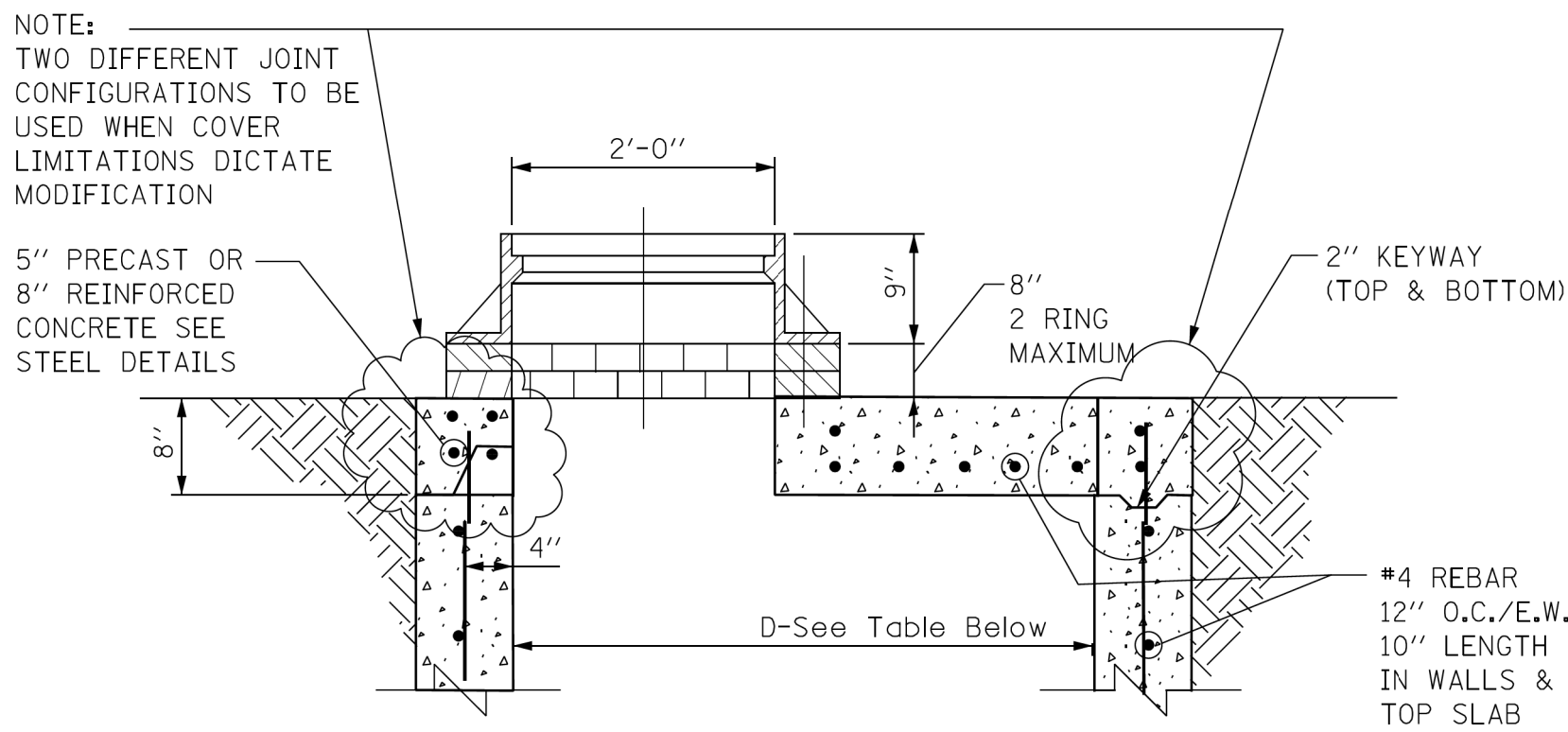
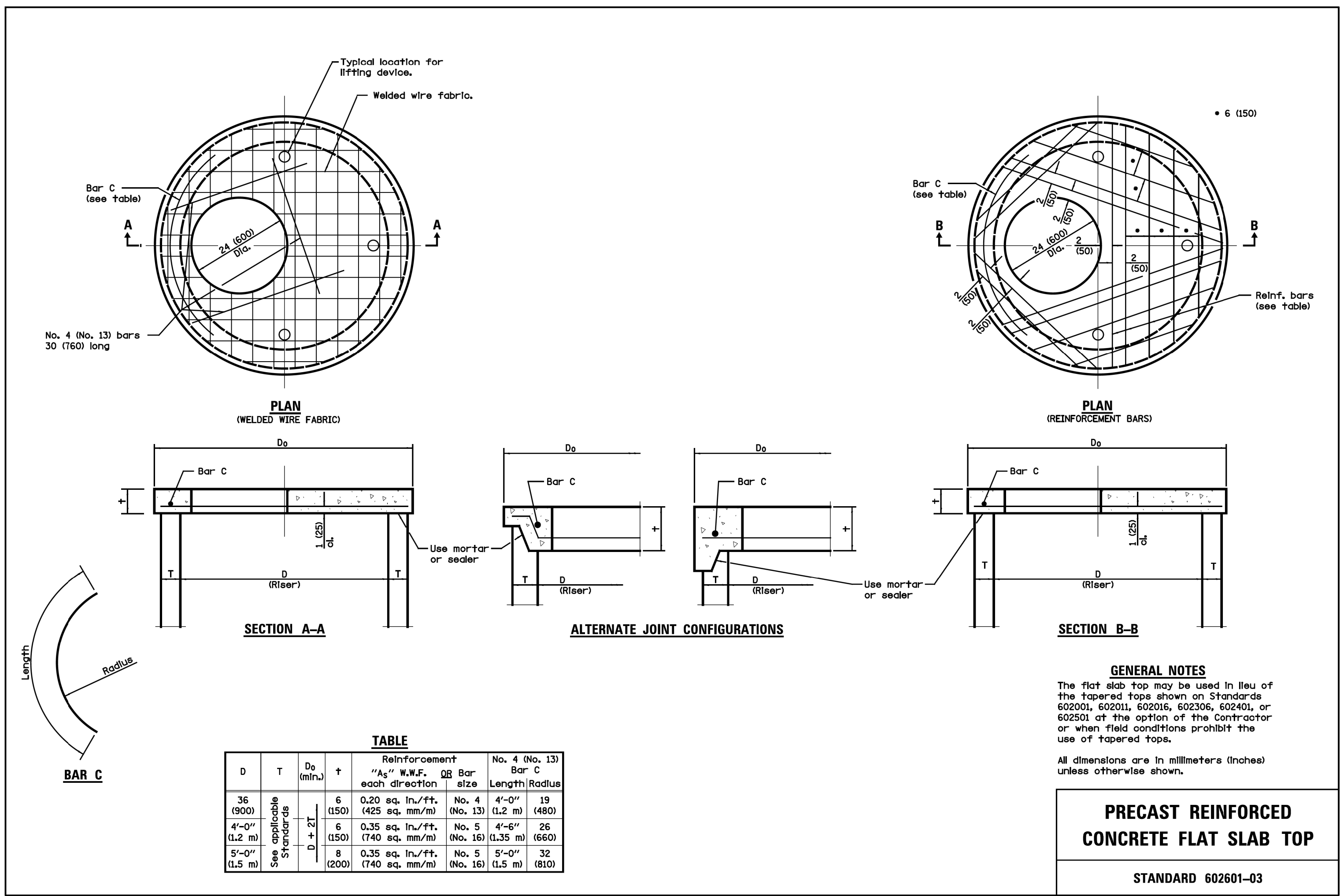
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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

TYPICAL SECTIONS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	9
SCALE: NTS			

SPECIAL DRAINAGE STRUCTURES
FOR PUBLIC STREETS AND ALLEYS



STANDARD FLAT TOP SLAB
FOR CATCH BASINS

NOTES:
FLAT TOP SLAB APPLICATION CAN ONLY BE USED WITH
WRITTEN PERMISSION FROM CDWM.
USE LATEST IDOT DETAIL, #602601

\$FILE\$
\$DATE\$

CDWM_Details.cad 8/5/2015 10:30:51 AM

STANDARD REVISIONS		PERCENT COMPLETE	DATE	CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES	DRAWN DESIGNED CHECKED REVIEWED	SHEET NO.
DATE	DESCRIPTION					
1/5/15	APPROVED PLAN	30		FLAT TOP SLAB DETAILS	A.4	OF
		60				
		75				
		90				
		100				
		BULLETIN			PN	

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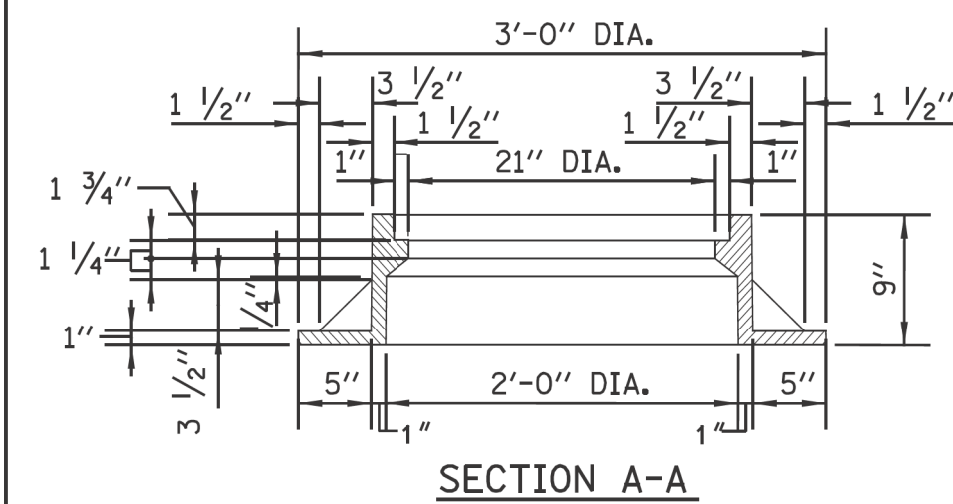
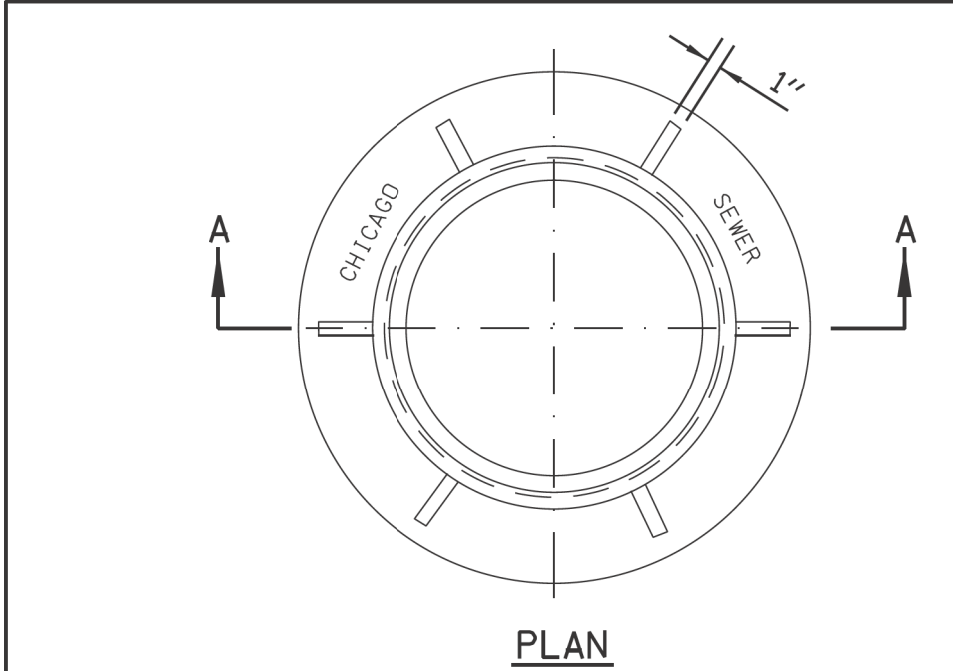


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PLOT DATE	= 7/3/2025	DATE	- 07/03/2025	REVISED	- 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

CDWM STANDARD CONSTRUCTION DETAILS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

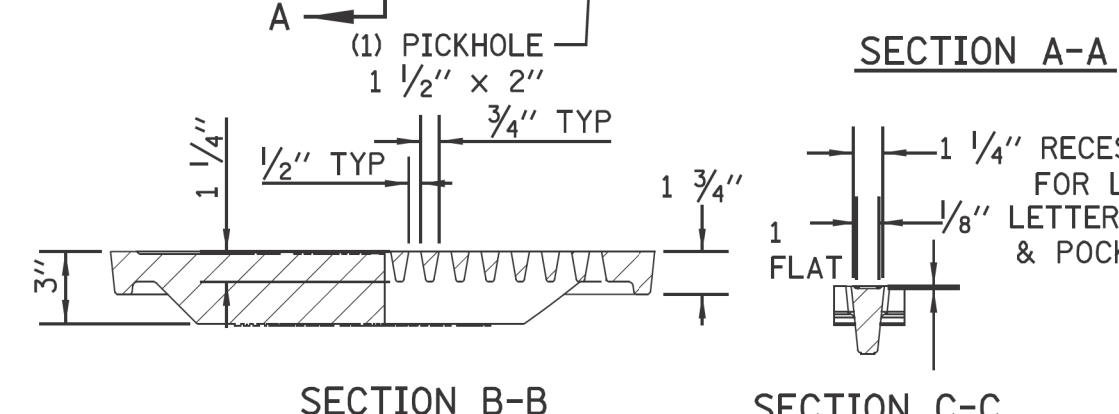
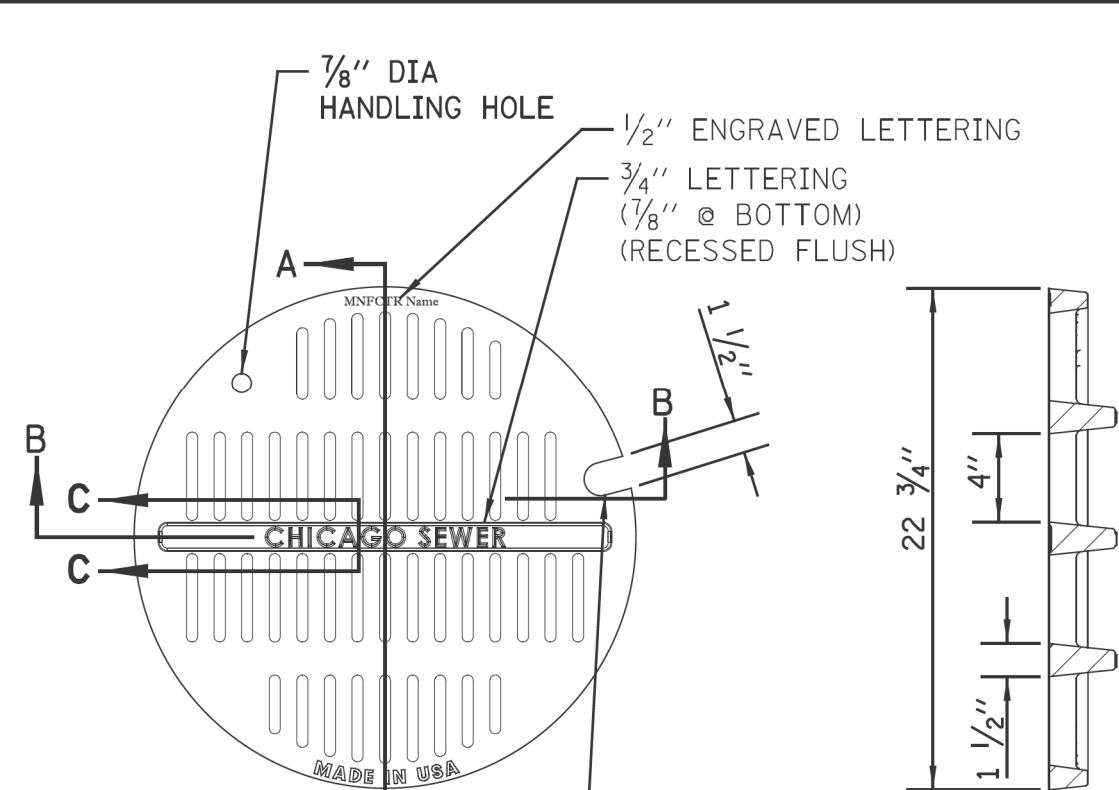
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OUC IR #124705	COOK	17	11
SCALE: NTS			



NOTE: METAL PLATES MUST BE FURNISHED FOR PERFORATED LIDS ON MANHOLES.

HEAVYWEIGHT MANHOLE FRAME

MATERIAL: CAST IRON

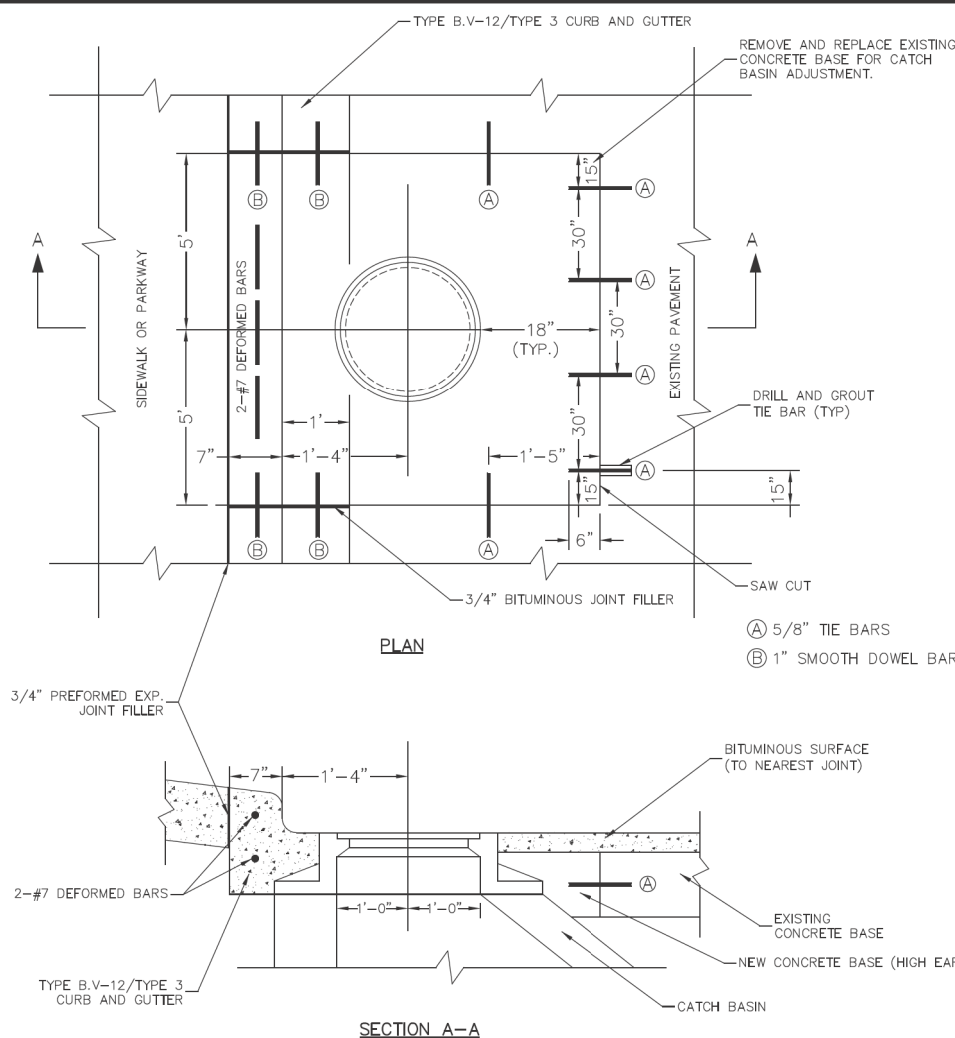


SECTION B-B

SECTION C-C

MATERIALS
GRATE-GRAY IRON
ASTM A48 CL35B
DESIGN LOAD
HEAVY DUTY
COATING
UNDIPPED
OPEN AREA
85.6 SQ. IN.

STANDARD CB/MH LID



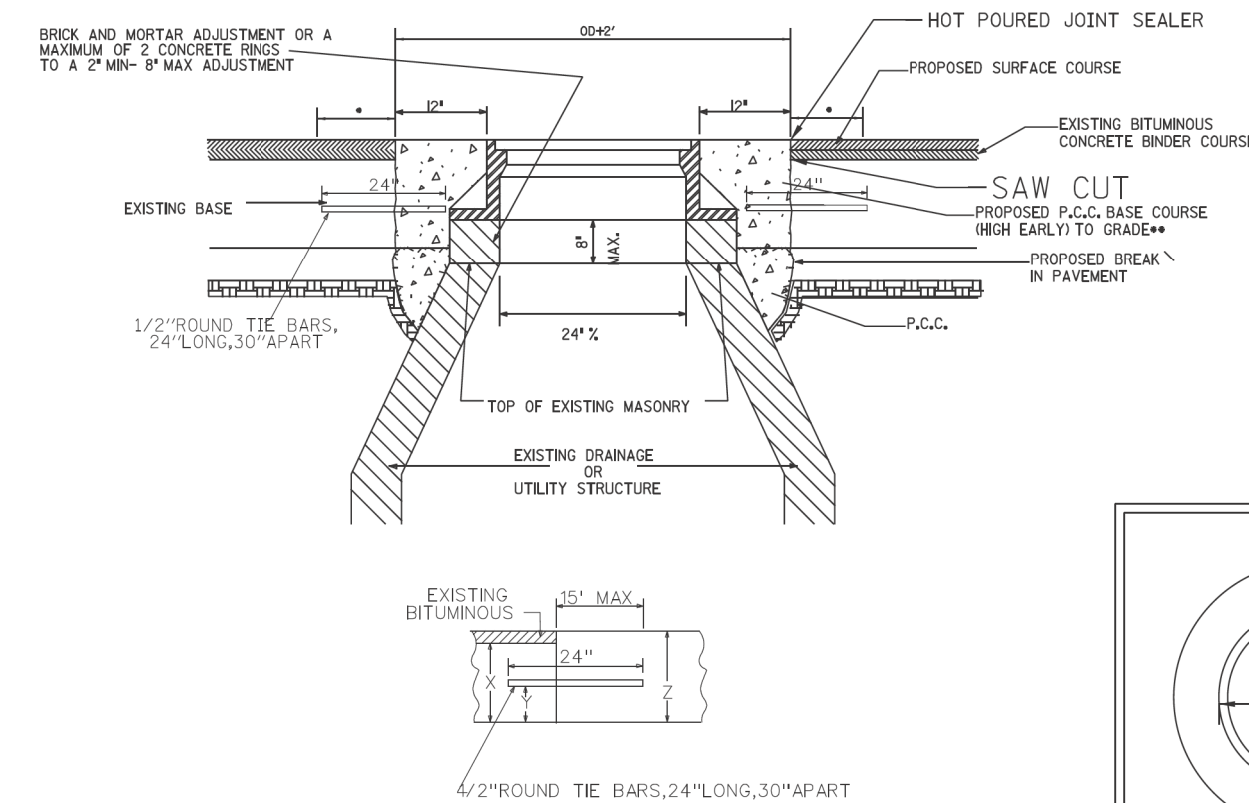
NOTES:

IF THE ADJUSTMENT EXCEEDS AN 8" HEIGHT, THE CONE MUST BE REMOVED AND THE BARREL SECTION MUST BE ADJUSTED.

THE CONTRACTOR IS REQUIRED TO REPLACE ANY BROKEN FRAMES AND LIDS OF SEWER STRUCTURES WITH STANDARD FRAMES AND LIDS OF THE DWM. IN ADJUSTMENT OR RECONSTRUCTION OF SEWER STRUCTURES, ANY NON-STANDARD FRAMES AND LIDS MUST BE REPLACED WITH STANDARD FRAMES AND LIDS. IN ADJUSTMENT OR RECONSTRUCTION OF INLETS, ANY NON-STANDARD INLETS (GUTTER BOXES) MUST BE REPLACED WITH DWM STANDARD INLETS.

THE FRAMES AND LIDS OF SEWER STRUCTURES TO BE ABANDONED, REMOVED, OR FILLED MUST BE SALVAGED AND THE DWM NOTIFIED FOR PICK UP.

MANHOLES, CATCH BASINS AND INLETS MUST BE PROTECTED FROM THE ENTRY OF ASPHALT/DEBRIS INTO THE SEWER SYSTEM DURING CONSTRUCTION. THE CONTRACTOR MUST MARK LOCATIONS OF ALL SEWER STRUCTURES ON THE SIDEWALK BEFORE STARTING PAVEMENT REMOVAL/REPLACEMENT. ADJUSTMENT OF FRAMES AND LIDS OF SEWER STRUCTURES MUST BE COMPLETED PRIOR TO STREET RESURFACING.



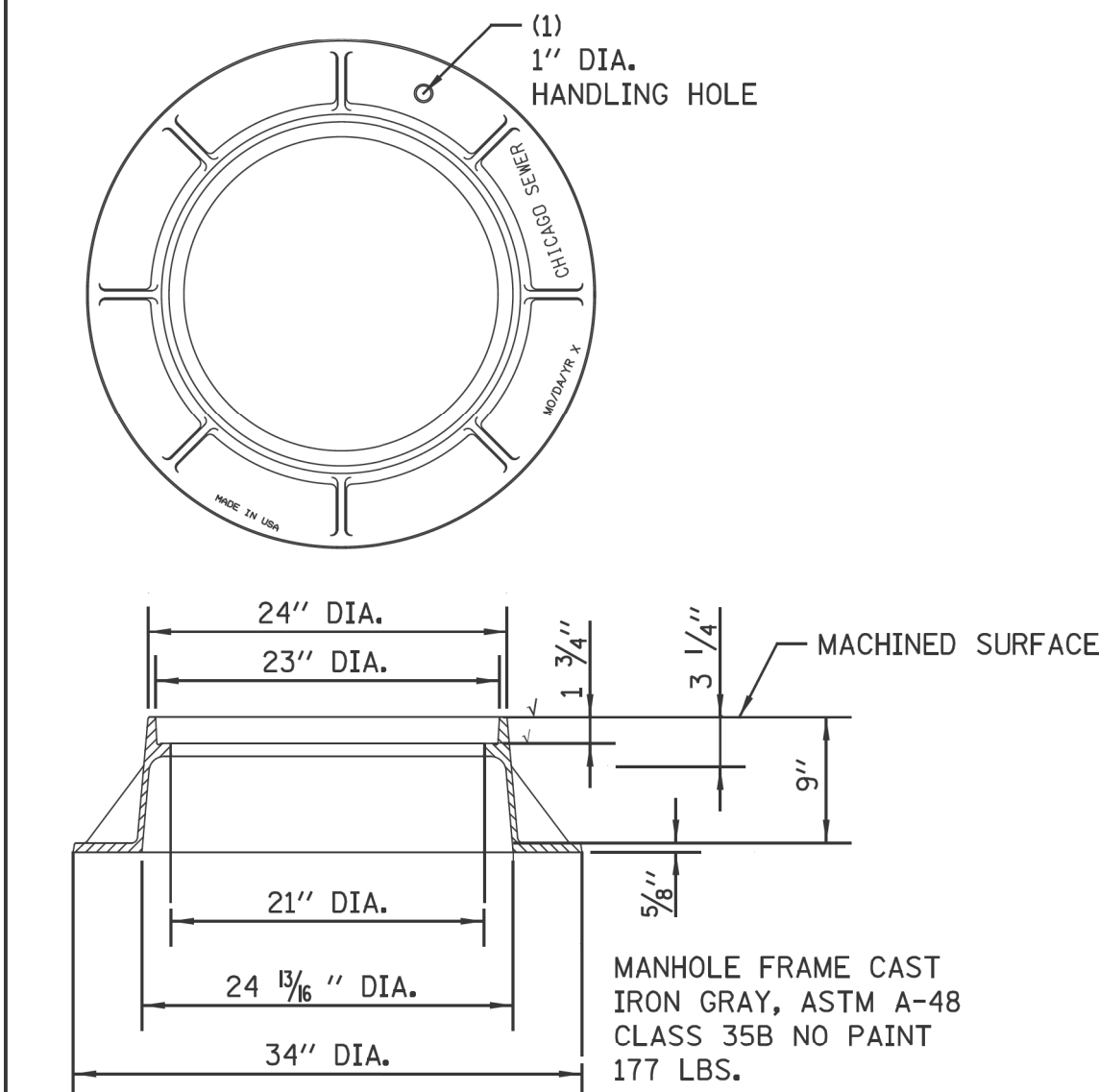
SEE CONSTRUCTION DETAILS (FOR MISCELLANEOUS STRUCTURES)
X = THICKNESS OF PAVEMENT
Y = ONE HALF THE THICKNESS OF CONCRETE PAVEMENT OR CONCRETE BASE
Z = 10" OR THICKNESS OF PROPOSED PAVEMENT - WHICHEVER IS GREATER

•REFER TO CDOT FOR ASPHALT RESTORATION REQUIREMENTS & CRACK SEALING.

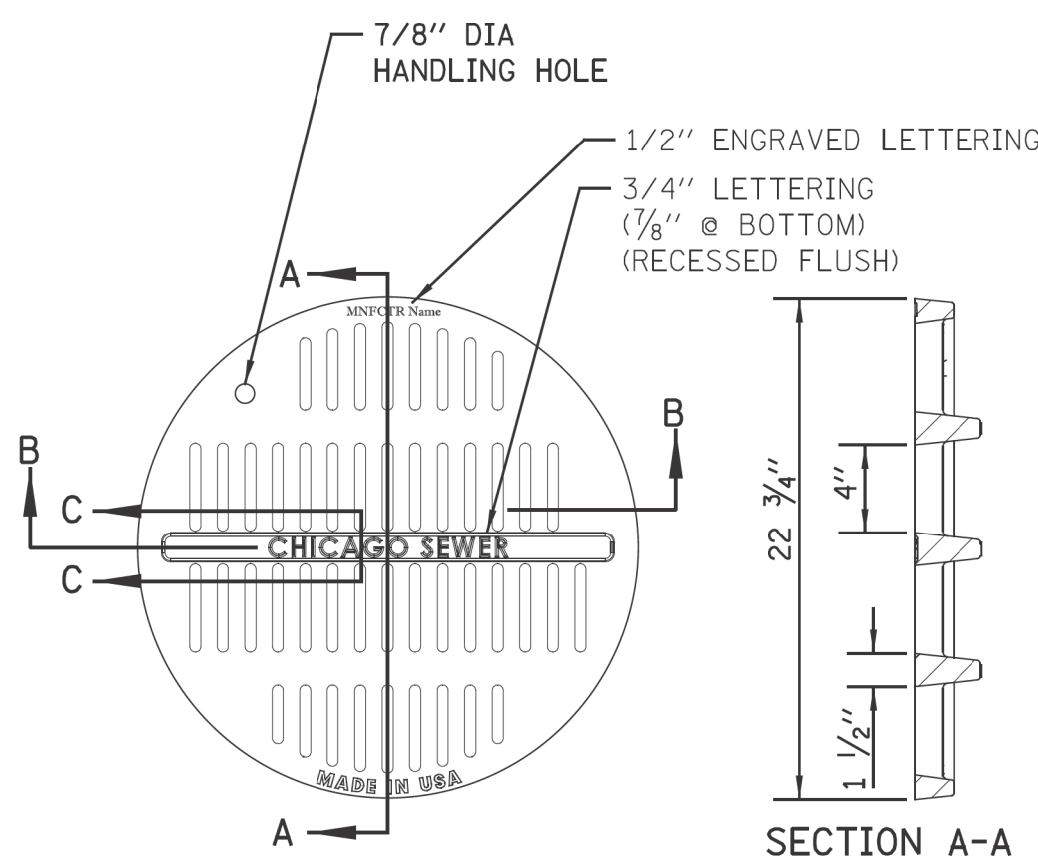
•• ON NON-MORATORIUM STREETS, FULL-DEPTH PCC BASE COURSE MAY BE UTILIZED, ON MORATORIUM STREETS, PAVEMENT RESTORATION SHALL ADHERE TO CDOT REQUIREMENTS.

PLAN VIEW (BASE TO GRADE)

DETAIL OF FRAME ADJUSTMENT



LIGHTWEIGHT MANHOLE FRAME



SECTION B-B

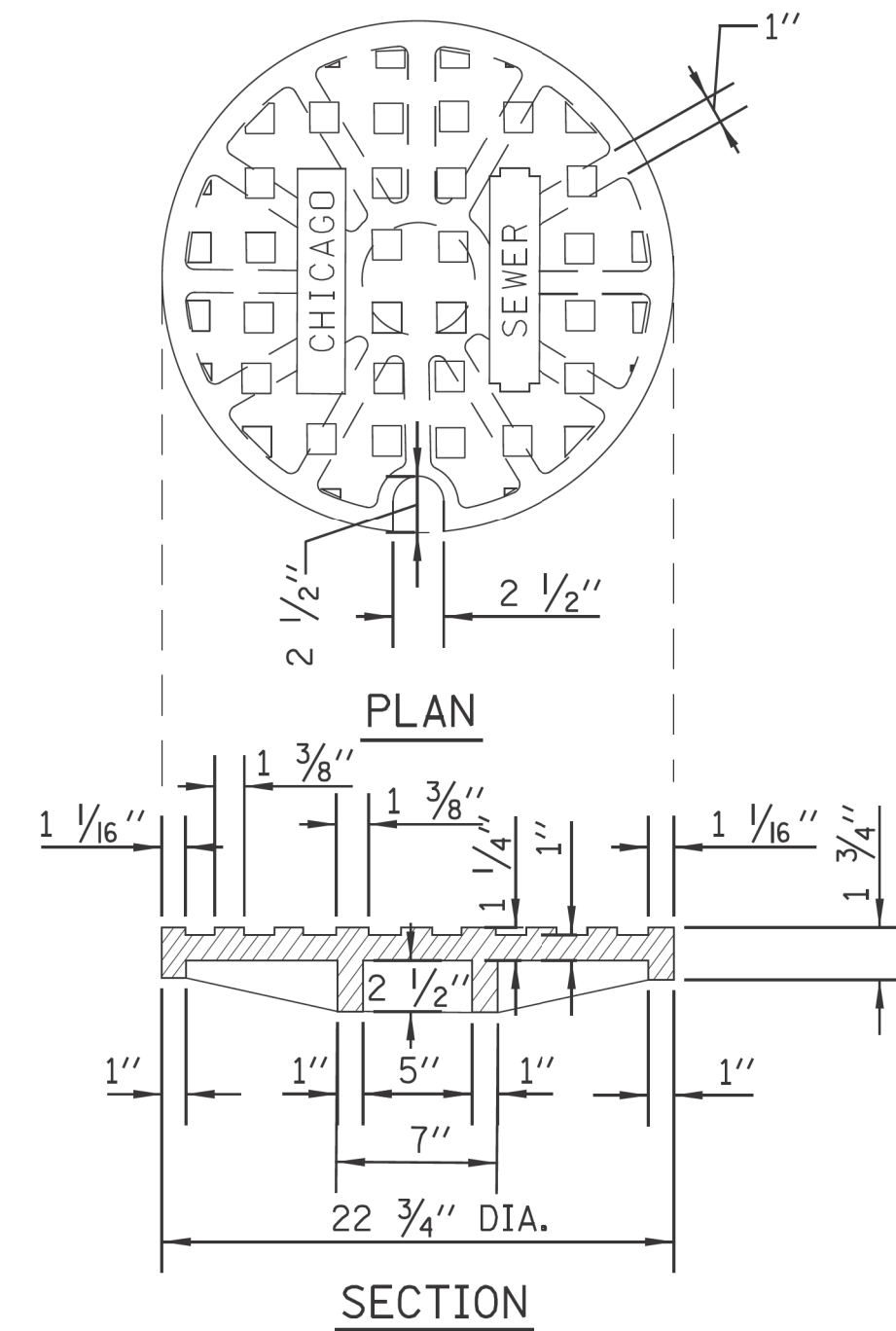
SECTION C-C

ADA COMPLIANT CATCH BASIN/MANHOLE LID

NOTE:
NOT TO BE USED WITHOUT
PRIOR APPROVAL OF CDWM

MATERIALS
GRATE-GRAY IRON
ASTM A48 CL35B
DESIGN LOAD
HEAVY DUTY
COATING
UNDIPPED
OPEN AREA
85.6 SQ. IN.

SOLID LID FOR MANHOLES



STANDARD REVISIONS	
DATE	DESCRIPTION
2/5/21	Approved

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES	
MANHOLE LIDS AND FRAMES	
DRAWN BY	SRM
DESIGNED BY	
CHECKED BY	CD, CC, SO
REVIEWED BY	

A.21

OF
PN

CDWM_Details.ccd 2/5/2021 4:58:20 PM

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PLOT DATE	= 7/3/2025	CHECKED	-	REVISED	-
		DATE	- 07/03/2025	REVISED	- 07/10/2025

STANDARD CATCH BASIN-4' DIA.

STANDARD CATCH BASIN-3' DIA.

CHICAGO
FRAME & LID

2" MIN
8" MAX
2 RING
MAXIMUM

2'-10"

2'-0" DIA.

8" VIT. CLAY
HALF TRAP

B

ELEVATION A

ORIFICE RESTRICTOR
(SEE MISC
DETAILS
SHEET A.26)

4'-6"

7'-4"

5"

3"

4'-0" DIA.

5"

SUMP

MIN. SUMP
3'-4"
W/DIRECT
SURFACE
RUNOFF

2'-0" W/O
DIRECT
SURFACE
RUNOFF

PRECAST REINFORCED BASE AND
RISER WITH MINIMUM 6"
EMBEDMENT

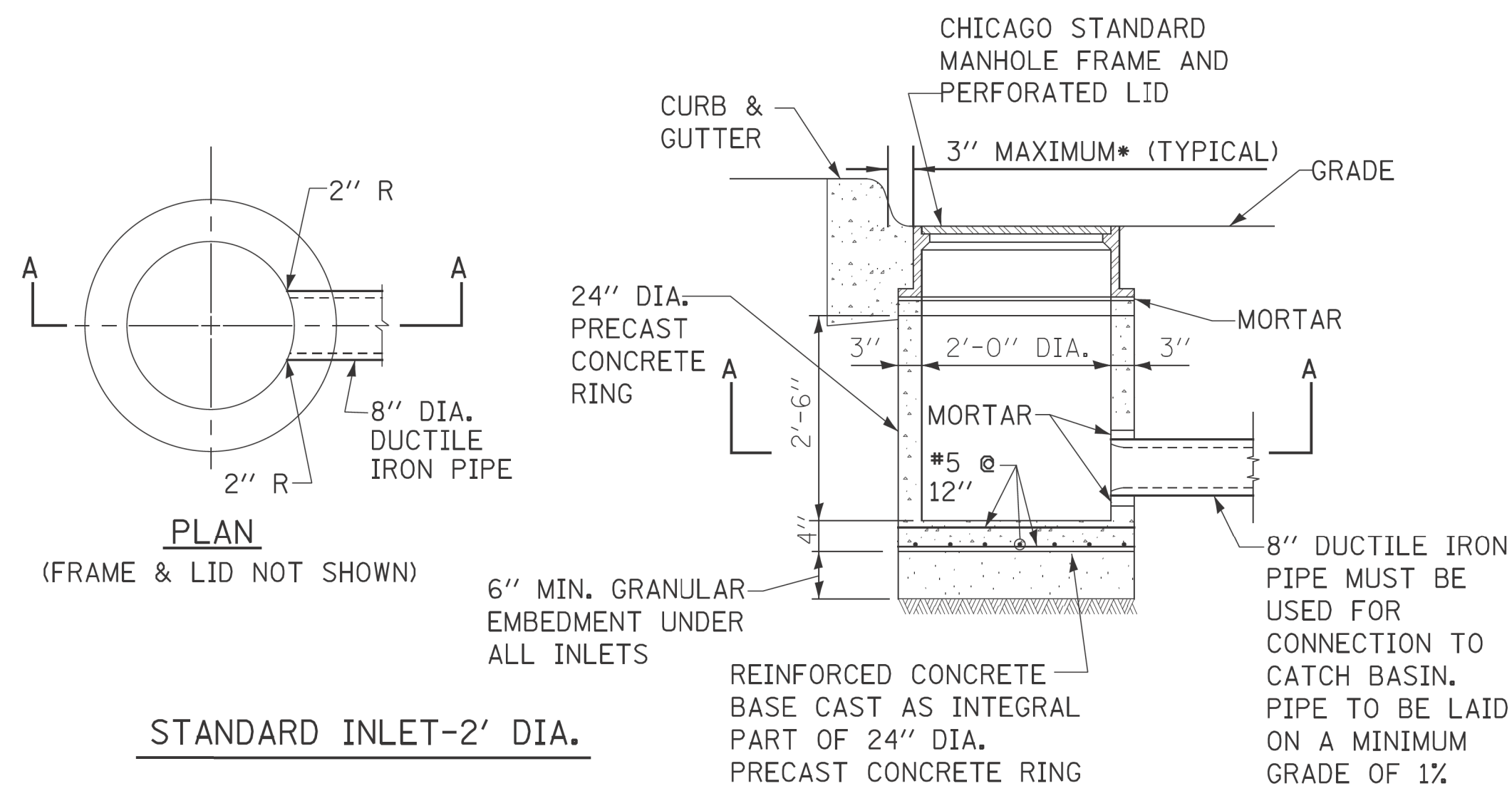
INFLOW PIPE INVERT

NOTE: THE INVERT ON INFLOW PIPE
OR UNDERDRAIN MUST BE AT
OR ABOVE THE HALF-TRAP
ELEVATION-A

CATCH BASIN-ORIFICE RESTRICTOR

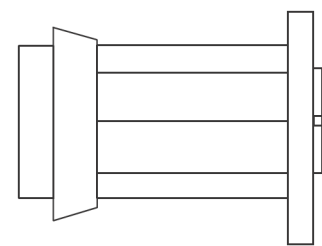
N.T.S.

1. CATCH BASIN TO CATCH BASIN CONNECTIONS ARE ALLOWED IN PRIVATE SITES & ALLEYS. ONLY THE DOWNSTREAM CATCH BASIN IS REQUIRED TO HAVE A HALF-TRAP.
2. IF B < 4 FEET, THEN USE A FLAT TOP SLAB CATCH BASIN AS NECESSARY.
3. FOR TRENCH BACKFILL, REFER TO IDOT SSRBC, ARTICLE 1003.04.
4. FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.
5. FOR STABILIZATION STONE, 12" OF CA-1 STONE IS ONLY REQUIRED WHEN UNSTABLE MATERIAL IS ENCOUNTERED AT TRENCH BOTTOM.
6. INLETS AND 3' DIAMETER CATCH BASINS ARE TO BE USED ONLY WITH PRIOR APPROVAL OF THE DEPT OF WATER MANAGEMENT- ENGINEERING SERVICES, SEWER SECTION, AND THE DEPT. OF BUILDINGS STORMWATER REVIEWER.
7. IF COVER OVER VCP IS LESS THAN 3', USE 45 DEGREE DIP BENDS WITH 1 FOOT DROP AS HALF TRAPS AS NEEDED FOR IEPA CLEARANCE REQUIREMENTS



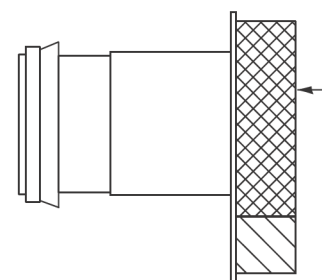
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DATE	DESCRIPTION				CHECKED: _____	REVIEWED: _____	
2/5/21	APPROVED	30 _____		DRAINAGE STRUCTURE DETAILS			
_____	_____	60 _____					_____ OF _____
_____	_____	75 _____					
_____	_____	90 _____					
_____	_____	100 _____					
		BULLETIN					

DRAINAGE STRUCTURES
RESTRICTORS



ORIFICE RESTRICTOR

INSERT THE RESTRICTOR INTO THE HALF-TRAP. UPON TIGHTENING OF THE CENTER NUT ON THE FACE OF THE RESTRICTOR, THE RUBBER O-RINGS WILL EXPAND INSIDE THE HALF TRAP, PROVIDING A WATER- TIGHT SEAL. PULL ON RESTRICTOR TO VERIFY THAT A TIGHT FIT IS MADE.



VORTEX RESTRICTOR

PULL ON RESTRICTOR TO VERIFY THAT A TIGHT FIT IS MADE.

INSERT THE RESTRICTOR WITH THE OPENING DOWN. UPON TIGHTENING OF THE 2 BOLTS ON THE FACE OF THE RESTRICTOR, THE RUBBER O-RINGS WILL PROVIDE A WATER- TIGHT SEAL.

GENERAL NOTES:

- CATCH BASIN TO CATCH BASIN CONNECTIONS ARE ALLOWED IN PRIVATE SITES & ALLEYS. ONLY THE DOWNSTREAM CATCH BASIN IS REQUIRED TO HAVE A HALF-TRAP.
- IF B < 4 FEET, THEN USE A DUCTILE IRON PIPE HALF TRAP AND FLAT TOP SLAB CATCH BASIN AS NECESSARY.
- INLETS AND 3' DIAMETER CATCH BASINS ARE TO BE USED ONLY WITH PRIOR APPROVAL OF DWM FIELD INSPECTOR.

RESTRICTOR NOTES:

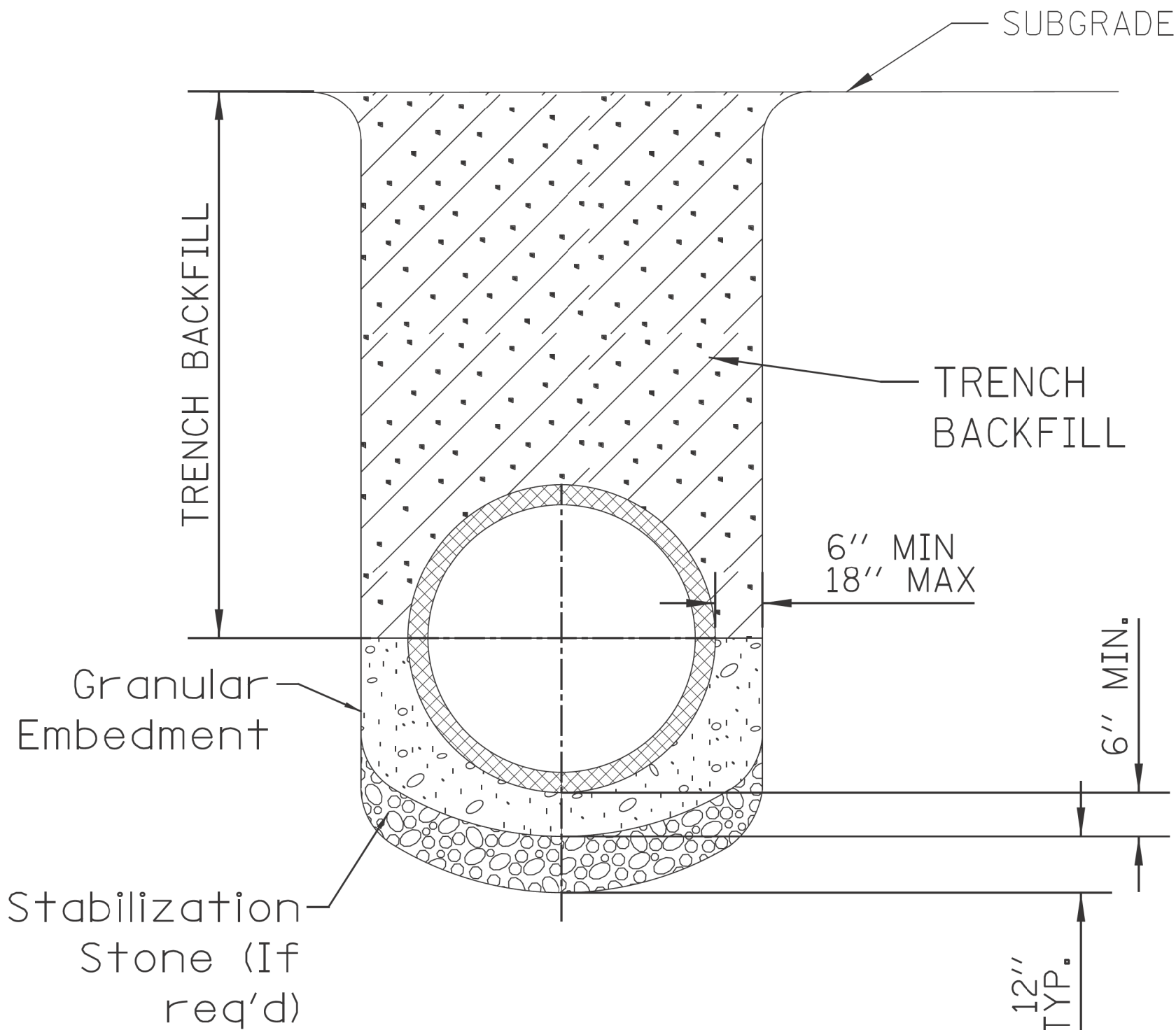
THE DWM'S RAIN BLOCKER RESTRICTOR PROGRAM MUST BE MAINTAINED WITH ANY ROADWAY IMPROVEMENT.

THE DESIGN OF ANY ROADWAY IMPROVEMENT MUST CONSIDER LIMITING THE NUMBER OF CATCH BASINS TO THE EXTENT PRACTICAL. THE NUMBER OF EXISTING STRUCTURES SHOULD NOT BE INCREASED.

THE RESTRICTORS CAN BE OBTAINED FROM DWM CENTRAL DISTRICT AT 3901 S. ASHLAND AVE. THE CONTRACTOR SHOULD ARRANGE FOR PICK UP BY CONTACTING 312-747-8736 (7AM TO 3PM, M-F). CONTRACTOR MUST CALL 48 HOURS IN ADVANCE OF PICK UP DATE AND TIME.

FLOW RESTRICTORS MUST BE INSTALLED IN ALL CATCH BASINS OUTSIDE OF THE CENTRAL BUSINESS DISTRICT(LIMITS: NORTH AVE, CERMAK AVE, HALSTED AVE, LAKE MICHIGAN). RESTRICTORS MUST NOT BE INSTALLED IN CATCH BASINS IN CLOSE PROXIMITY TO VIADUCT AREAS, BUS STOPS, OR EMERGENCY ENTRANCES. THE DWM MUST APPROVE THE NON-INSTALLATION OR REMOVAL OF ANY RESTRICTOR. REQUIREMENTS FOR RESTRICTOR INSTALLATION ARE AS FOLLOWS:

- *ARTERIAL STREETS: 3-INCH ORIFICE RESTRICTOR
- *BUS ROUTES: 3-INCH ORIFICE RESTRICTOR
- *RESIDENTIAL STREETS: 3-INCH VORTEX RESTRICTOR
- *ALLEYS: 3-INCH ORIFICE RESTRICTOR IN THE LAST CB.
- *CLOSED LIDS ARE REQUIRED ON ALL MANHOLES EXCEPT AT INTERSECTIONS WHERE A PERFORATED LID SHALL BE USED.

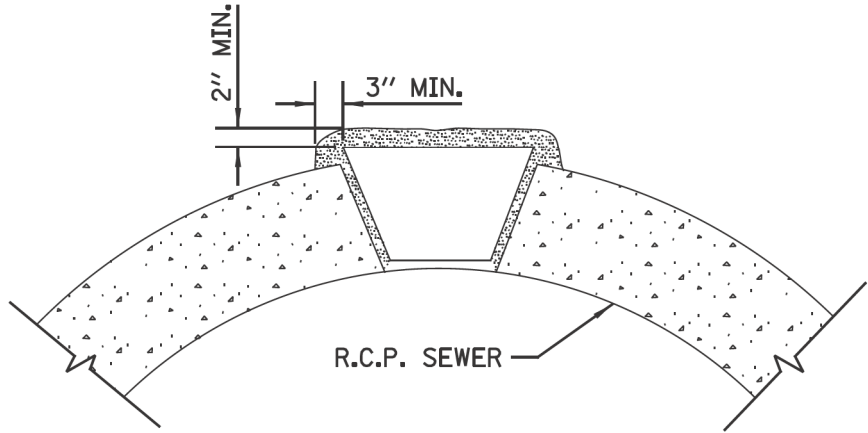


NOTE:

- FOR TRENCH BACKFILL, REFER TO IDOT SSRBC, ARTICLE 1003.04.
- FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.
- FOR STABILIZATION STONE, 12\"/>
- AGGREGATE PLACED FOR TEMPORARY SURFACE RESTORATION WILL NOT BE PAID SEPARATELY AND SHALL BE INCIDENTAL TO THE CONTRACT.

SEWER TRENCH DETAIL

NOTE:
PLUG TO BE COATED WITH MORTAR AND DRIVEN INTO PLACE WITH A WOODEN MALLET AND THEN SEALED WITH MORTAR.



LIFTING HOLE PLUG DETAIL
FOR CONCRETE PIPE

NOTE:

- ALL PLUG MATERIALS MUST COMPLY WITH 1042.16 OF THE IDOT SSRBC.
- LIFT HOLES ON COMBINED SEWERS ARE PROHIBITED WHEN THE WATER TABLE IS WITHIN 2 FEET OF THE PIPE INVERT, OR IF THE PIPE IS FULLY SUBMERGED UNDER NORMAL CONDITIONS.

\$FILE\$
\$DATE\$

STANDARD REVISIONS		PERCENT COMPLETE	DATE	CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES	DRAWN: <u>SSW</u> DESIGNED: <u> </u> CHECKED: <u>GD, GC, SO</u> REVIEWED: <u> </u>	A.26 <u> </u> OF <u> </u> PN <u> </u>
DATE	DESCRIPTION					
2/5/21	APPROVED PLAN	30		MISCELLANEOUS DETAILS		
		60				
		75				
		90				
		100				
		BULLETIN				

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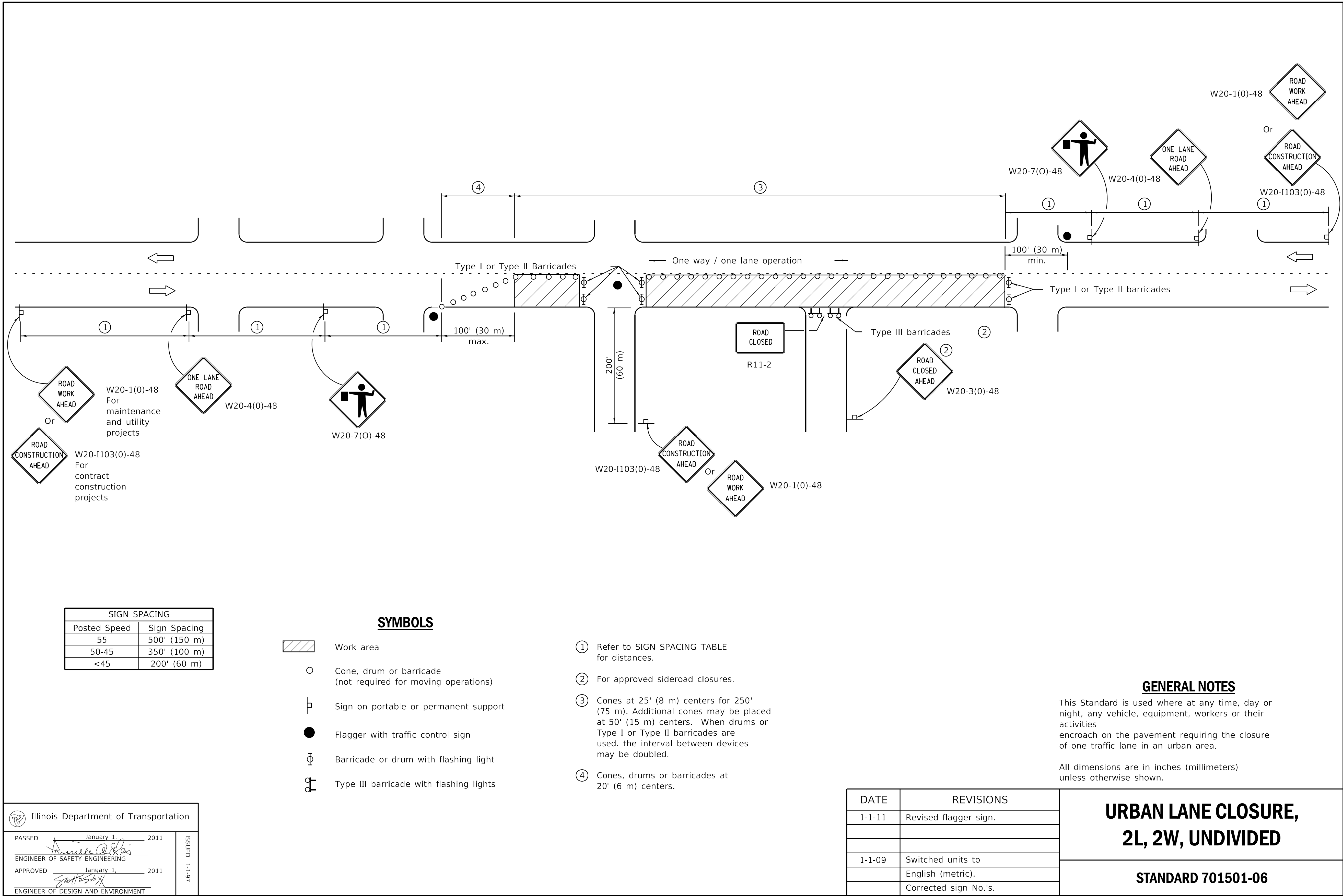
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PLOT DATE = 7/3/2025	DATE - 07/03/2025	REVISED - 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

CDWM STANDARD CONSTRUCTION DETAILS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	14
SCALE: NTS			

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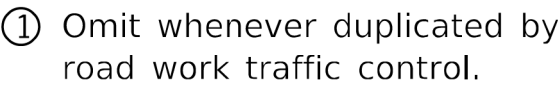


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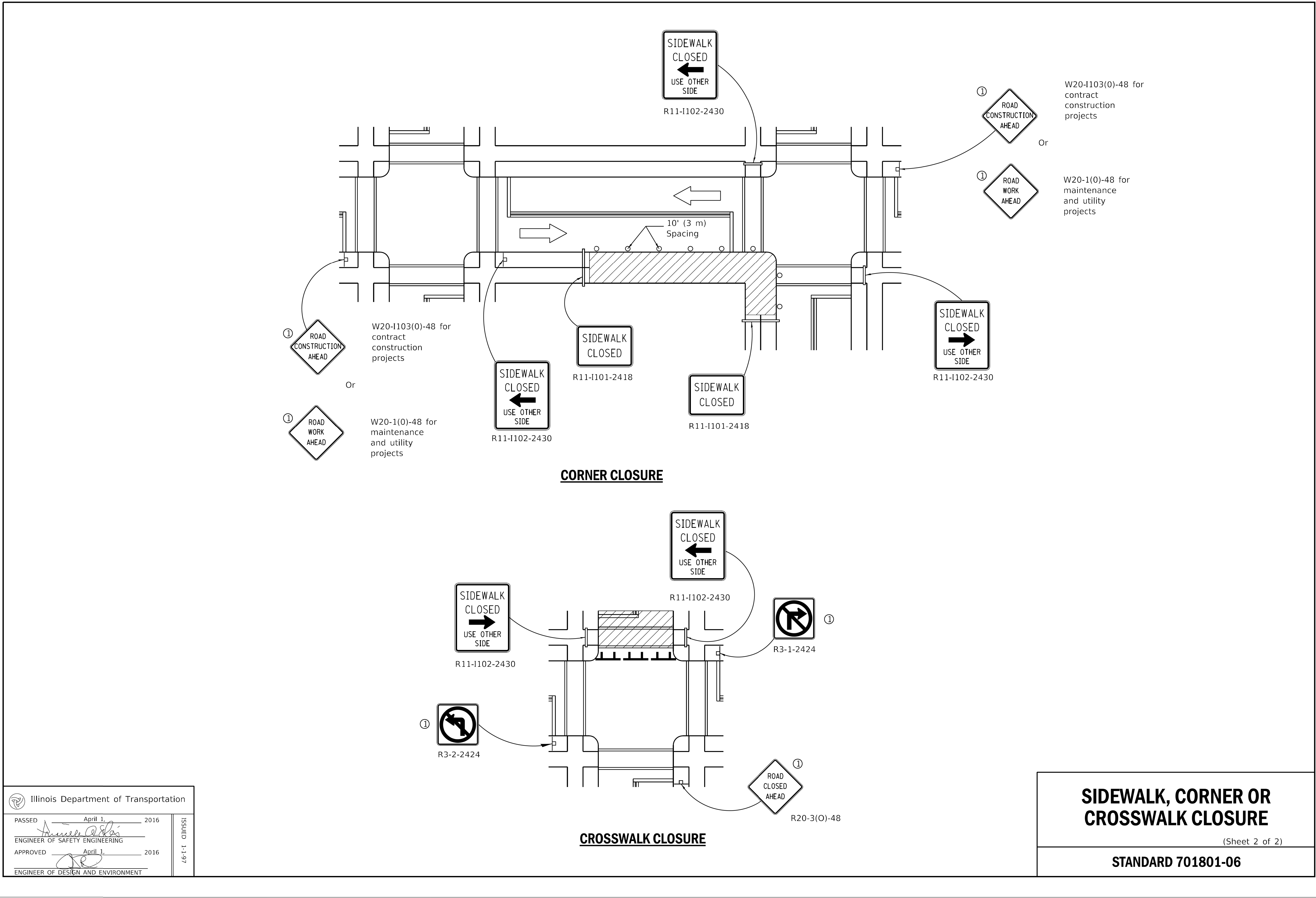
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

IDOT STANDARD DETAILS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	15
SCALE: NTS			



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Illinois Department of Transportation	
PASSED April 1, 2016	ISSUED 1-1-97
ENGINEER OF SAFETY ENGINEERING	
APPROVED April 1, 2016	
ENGINEER OF DESIGN AND ENVIRONMENT	

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	DRAWN -	REVISED -
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PLOT DATE = 7/3/2025	DATE - 07/03/2025	REVISED - 07/10/2025

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
32ND WARD

IDOT STANDARD DETAILS
PBC PROJECT NO #22923
N. WILMOT AVENUE - N. MILWAUKEE AVENUE
N. OAKLEY AVENUE - N. LEAVITT STREET

OUC NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
OUC IR #124705	COOK	17	17
SCALE: NTS			