

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR **PROPOSED FEDERAL-AID HIGHWAY**

LAKE STREET
From McDaniel Avenue to Elmwood Avenue
STREET RESURFACING
SECTION 08-00249-00-RS
PROJECT NO. M - 8003 (985)
CITY OF EVANSTON, COOK COUNTY
FAU-1031

FOR INDEX OF SHEETS, SEE SHEET NO. 2

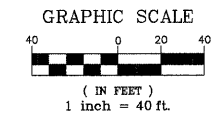
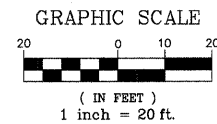
DESIGN DESIGNATION

LAKE STREET
FUNCTIONAL CLASSIFICATION = LOCAL COLLECTOR
DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

TRAFFIC DATA:

EXISTING ADT = 6500
DESIGN ADT = 6500

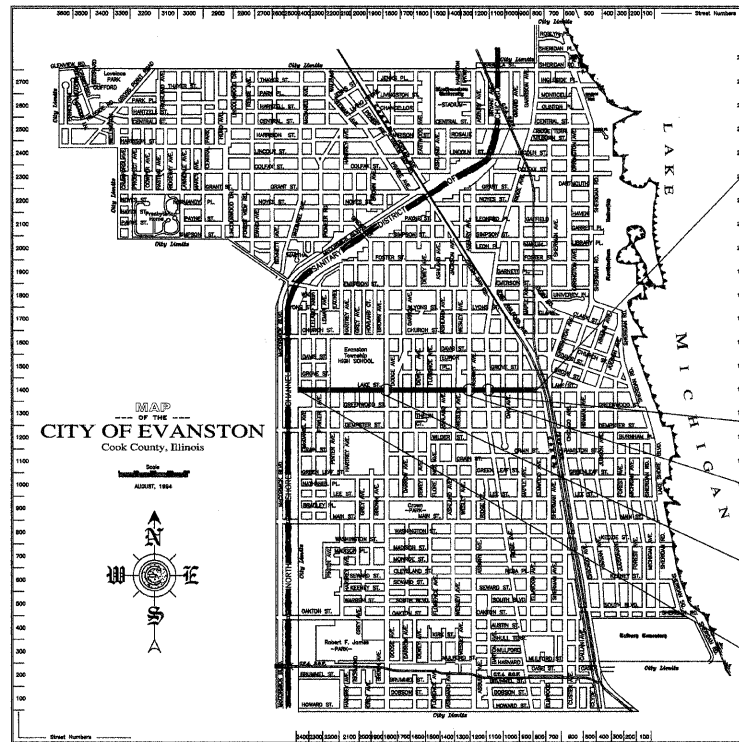
PROJECT LOCATED IN THE
CITY OF EVANSTON



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



Contract No. 63072



LOCATION MAP

T 41, R 13 & 14 (EVANSTON)

END PROJECT
STA. 68+70

OMISSION
STA. 54+29 TO
STA. 55+03

OMISSION
STA. 49+71 TO
STA. 50+49

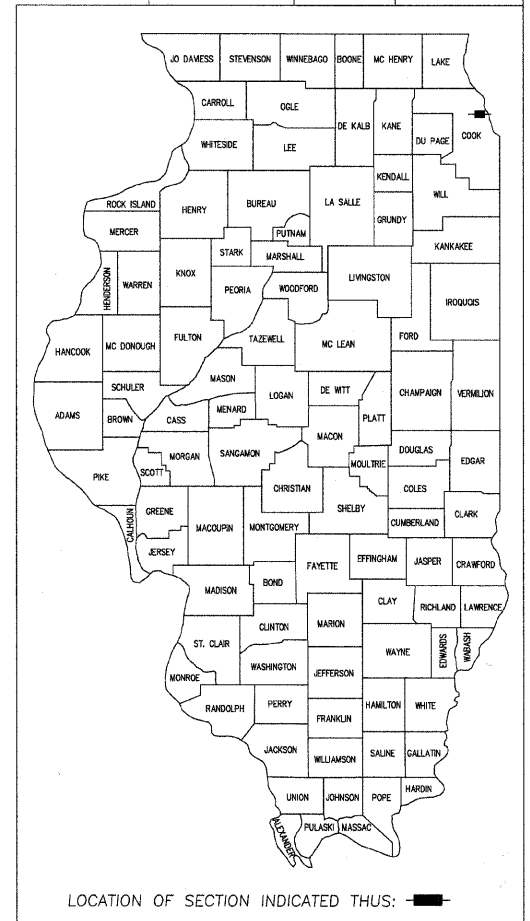
OMISSION
STA. 25+76 TO
STA. 26+22

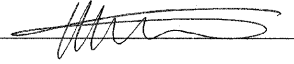
BEGIN PROJECT
STA. 0+29



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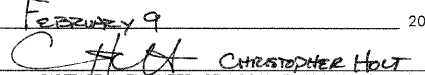
FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	1
COVER SHEET		CONTRACT NO. 63072		
ILLINOIS				

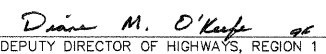


APPROVED:  1/30/2009

SAT NAGAR, P.E.
CITY OF EVANSTON, SENIOR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PASSED:  20 09
CHRISTOPHER HOLT
DISTRICT 11 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 10, 20 09

DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT
DIVISION OF TRANSPORTATION
ENGINEERING SECTION
2100 RIDGE AVENUE,
EVANSTON, ILLINOIS 60201
PHONE: (847) 866-2924

REVISIONS		DATE	NAME	DATE	FILE
09/19/08	AA	4/25/08	J.B.D.T.L.G.	5/15/08	
09/29/08	AA		P.C.S.N.	1/30/09	

GROSS LENGTH OF PROJECT= 6,841 FEET=1.296 MILES
NET LENGTH OF PROJECT= 6,578 FEET=1.245 MILES

INDEX OF SHEETS

1. TITLE PAGE
2. INDEX OF SHEETS/GENERAL NOTES/STATE STANDARDS
3. STANDARD SYMBOLS/SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
- 5.-16. EXISTING/PROPOSED PLAN SHEETS
17. STATE STANDARDS/DETAILS SHEET

HIGHWAY STANDARDS:

780001-02
442101-07
424001-05
606001-04

TRAFFIC STANDARDS:

701901-01
701606-06
701301-03

701311-03
701501-05
701701-06
701801-04

GENERAL NOTES

1. ALL DIMENSIONS SHOWN ON THE PLANS ARE TO THE FACE OF CURB.
2. ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS, SPECIFICATIONS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
3. ALL FULL DEPTH SAW-CUTTING OF EXISTING PAVEMENT, CURB, SIDEWALKS AND SURFACES WHEN REQUIRED FOR REMOVAL OR CONSTRUCTION OR AS DIRECTED BY THE ENGINEER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE PROTECTED, SUPPORTED AND MAINTAINED IN SERVICE AND RESTORED TO THE CONDITION IN WHICH THEY WERE FOUND, OR BETTER, AT NO EXTRA COST TO THE CONTRACT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
6. ALL ROAD SIGNS, STREET SIGNS AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR AT HIS OWN EXPENSE, EXCEPT THOSE WHICH THE ENGINEER DEEMS NECESSARY FOR PROPER TRAFFIC CONTROL. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE ENGINEER, RESET ALL SAID SIGNS AT THE LOCATION DESIGNATED BY THE ENGINEER.
7. ALL DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. DRIVEWAYS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "P.C.C. DRIVEWAY PAVEMENT" OR "INCIDENTAL HOT-MIX ASPHALT SURFACING" PER TON AND "AGGREGATE BASE COURSE, TYPE B-6 INCH" PER SQUARE YARD ACCORDINGLY.
8. ALL NEW COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12 ADJACENT TO NEW OR EXISTING P.C.C. PAVEMENT OR BASE COURSE SHALL BE PLACED WITH THE BARS IN CONFORMANCE WITH DETAILS SHOWN IN THE DETAIL SHEET AND/OR SPECIFICATIONS. THE COST OF FURNISHING, DRILLING, SETTING THE BARS, MORTARING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT FOR THE TYPE OF CURB INDICATED ON THE PLANS.
9. HOT-MIX ASPHALT SURFACE REMOVAL SHALL BE GROUND TO THE EXISTING CONCRETE OR AGGREGATE SUB-BASE BUT NOT LESS THAN 1-1/2" IN DEPTH AND WILL BE PAID FOR "HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)" PER SQUARE YARD. ALL EQUIPMENT FOR SURFACE REMOVAL MUST OPERATE ONLY ON THE STREET. CONTRACTOR SHALL NOT OPERATE ANY EQUIPMENT ON TOP OF THE CURB. ALL NECESSARY MANUAL CHIPPINGS SHALL BE CONSIDERED INCIDENTAL TO THE "HOT-MIX ASPHALT SURFACE REMOVAL" PAY ITEM.
10. THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT ALL NEW FRAMES AND LIDS IN CONFORMANCE WITH DETAILS OF STANDARD FRAMES AND LIDS SHOWN IN THE PLAN.
11. PROTECTIVE COAT SHALL BE APPLIED TO ALL CONCRETE CURB, CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, CONCRETE DRIVEWAYS. THIS WORK WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO THE CONTRACT.
12. ALL DOWEL AND TIE BARS USED FOR P.C.C. PAVEMENT REMOVAL AND REPLACEMENT IN EXISTING CONCRETE BASE COURSE SHALL BE PLACED IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER. ALL THE CLASS "B" PATCHES MUST BE COVERED WITH 1" STEEL PLATE, TO ALLOW THE TRAFFIC TO USE THE STREET. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN UNIT PRICE OF CLASS "B" PATCHES.
13. THE CONTRACTOR SHALL NOT CLOSE THROUGH TRAFFIC MORE THAN ONE BLOCK AND ONE INTERSECTION AT ANY GIVEN TIME.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION TRAFFIC CONTROL AND LANE CLOSURE. ANY TIME DURING PROJECT DETOUR IS REQUIRED, CONTRACTOR NEED TO SUBMIT DETOUR PLANS FOR APPROVAL BY THE CITY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE OF TRAFFIC CONTROL AND PROTECTION, PAY ITEM.
15. ALL UNBALLASTED TYPE I & TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL.
16. THE CONTRACTOR WILL BE REQUIRED TO STORE ALL OLD FRAMES AND LIDS AT ANY CORNER. THE CITY OF EVANSTON WILL ARRANGE FOR PICK UP AT LATER TIME. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
17. ALL SEWER PIPE SHALL HAVE A "HOMING MARK" ON THE SPIGOT, PROVIDED BY THE MANUFACTURER. ALL LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND SEALED WITH MASTIC OR MORTAR.
18. ALL MANHOLES SHALL BE PRECAST FOUR FEET DIAMETER MINIMUM OR AS INDICATED ON THE PLANS, I.D.O.T. TYPE A STANDARD 1257-10 MODIFIED TO HAVE AN INTEGRAL MONOLITHIC BASE WITH PREFORMED OPENINGS AND A FLEXIBLE SLEEVE IN CONFORMANCE WITH A.S.T.M. C-923 TO ACCOMMODATE THE CONNECTION OF SEWERS IN SIZES FROM 10" THROUGH 27". NO STEPS ARE REQUIRED IN ANY MANHOLES.
19. DUCTILE IRON PIPE SHALL BE USED WHEN SEWERS CROSS WATER LINES WITH LESS THAN 18" VERTICAL CLEARANCE AND ALL OTHER LOCATIONS AS INDICATED ON THE CONTRACT DRAWINGS OR AT THE DIRECTION OF THE ENGINEER.
20. BEDDING SHALL BE REQUIRED FOR ALL SEWER CONSTRUCTION AND SHALL BE OF A MINIMUM THICKNESS EQUAL TO 1/4 OF THE OUTSIDE DIAMETER OF THE SEWER PIPE BUT SHALL NOT BE LESS THAN FOUR INCHES (4"). ALL BEDDING MATERIALS SHALL EXTEND UP THE HAUNCHES OF THE PIPE TO THE SPRING LINE AND BE PLACED IN CONFORMANCE WITH ASTM C12-82. THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 704.01 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE STATE OF ILLINOIS OR A.S.T.M. C-35. THE GRADATION SHALL CONFORM TO GRADATION CA-11 OF THE ILLINOIS STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID SEPARATELY FOR "GRANULAR BACKFILL", PER TON.
21. THE TRENCH BACKFILL SHALL BE PLACED IN LAYERS NOT MORE THAN 12 INCHES (COMPACTED) IN THICKNESS TO THE EXISTING PAVEMENT SURFACE. PLACEMENT, REMOVAL AND DISPOSAL OF SURPLUS TRENCH BACKFILL FOR PERMANENT PAVEMENT RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
22. SHOP DRAWINGS OF ALL CATCH BASINS, MANHOLES, FRAMES, COVERS, TEE SADDLES, FLEXIBLE SLEEVES AND COUPLINGS SHALL BE APPROVED BY THE ENGINEER, PRIOR TO DELIVERY TO THE JOB SITE.
23. IF ANY SOFT OR YIELDING MATERIALS ARE DETECTED AFTER EXCAVATION TO THE PROPOSED SUBGRADE, THE CONTRACTOR WILL, AT THE DIRECTION OF THE ENGINEER, REMOVE THE MATERIAL AND REPLACE IT WITH SUB-BASE GRANULAR MATERIAL, TYPE B. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "EARTH EXCAVATION" AND PER CUBIC YARD FOR "SUB-BASE GRANULAR MATERIAL, TYPE B".
24. ALL ITEMS WITHIN THE EXISTING STREET SCAPE WHICH ARE DAMAGED OR DISTURBED AS A RESULT OF THIS WORK SHALL BE REPLACED TO EQUAL OR BETTER QUALITY AT THE CONTRACTOR'S EXPENSE.
25. THE CONTRACTOR WILL BE REQUIRED TO GIVE ADEQUATE NOTIFICATION TO THE CITY OF EVANSTON METER SHOP PRIOR TO THE RECONNECTION OF ANY BROKEN HOUSE SERVICES. PHONE NUMBER 847-866-2924
26. ALL ABANDONED SEWER REQUIRE A 2 FEET CONCRETE OR MORTAR PLUG.
27. ALL MATERIALS, EQUIPMENTS AND LABOR NECESSARY TO CONSTRUCT THE BUTT JOINTS AS SPECIFIED IN THE PLANS AND IN THE SPECIFICATIONS WILL NOT BE PAID FOR SEPARATELY. BUTT JOINTS CONSTRUCTION SHALL BE INCLUDED TO THE "HMA SURFACE REMOVAL" PAY ITEM.
28. ANY UTILITY STRUCTURES CALLED FOR ADJUSTMENTS MAY NEED TEMPORARY RAMP AROUND THE FRAME AFTER EXISTING SURFACE REMOVAL. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

PLANS PREPARED BY:



CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT
DIVISION OF TRANSPORTATION
ENGINEERING SECTION
PHONE: (847) 866-2924

DRAWN BY: JB,DT,LG	DESIGNED BY: PC,MC,AA	REVISED: AA, 09/29/08
DATE: 04/25/08	DATE: 05/15/08	REVISED:
CHECKED BY: PC, SN	BOOK: NONE	REVISED:
DATE: 6/10/08	SCALE: VARIES	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
INDEX OF SHEETS/GENERAL NOTES/STATE STANDARDS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	2
				CONTRACT NO. 63072
				ILLINOIS

STANDARD SYMBOLS

EXISTING DETECTABLE WARNINGS	EXISTING TYPE B CURB
PROPOSED DETECTABLE WARNINGS	PROPOSED TYPE B CURB
SIDEWALK REMOVAL AND REPLACEMENT	EXISTING TYPE B6.12 CURB & GUTTER
NEW SIDEWALK	PROPOSED TYPE B6.12 CURB & GUTTER
DRIVEWAY REMOVAL & REPLACEMENT (CONCRETE)	SUMMIT
DRIVEWAY REMOVAL & REPLACEMENT (ASPHALT)	EXISTING STANDARD STREET LIGHT
DRIVEWAY AND SIDEWALK REMOVAL	STANDARD STREET LIGHT TO BE MOVED (SYMBOL WITH "M" LETTER, INDICATES NEW LOCATION)
PAVEMENT REMOVAL AND REPLACEMENT	EXISTING HANDHOLE
PAVEMENT REMOVAL	EXISTING CONTROLLER
HOT-MIX ASPHALT OR CONCRETE SURFACE REMOVAL	TOP OF CURB GRADE STATIONING FLOW LINE GRADE
SODDING	EXISTING TELEPHONE OR POWER POLE
EXISTING INLET	FENCE
INLET TO BE CONSTRUCTED	EXISTING RIGHT OF WAY
INLET TO BE ADJUSTED	CONSTRUCTION LIMITS
EXISTING CATCH BASIN	RAILROAD OR UTILITY TRACKS
CATCH BASIN TO BE CONSTRUCTED	DECIDUOUS TREES
EXISTING MOUSE HOLE WITH CATCH BASIN	EVERGREEN TREES
EXISTING MANHOLE	HEDGE, BUSHES
MANHOLE TO BE CONSTRUCTED	UTILITY MANHOLE
CATCH BASIN, MANHOLE OR VALVE VAULT TO BE FILLED WITH SAND	STREET LIGHT CABLE
NEW FRAMES & GRATES FOR CATCH BASIN, MANHOLE, & VALVE VAULT	EXISTING COMED MAIN
FRAMES & GRATES TO BE ADJUSTED FOR CATCH BASINS, MANHOLES & VALVE VAULT	EXISTING TELEPHONE MAIN
CATCH BASINS AND MANHOLES TO BE RECONSTRUCTED	EXISTING CABLE TV MAIN
EXISTING BUFFALO BOX	EXISTING GAS MAIN
PROPOSED BUFFALO BOX	INLET TO BE REMOVED
EXISTING VALVE BOX	CATCH BASIN TO BE REMOVED
PROPOSED VALVE BOX	MANHOLE OR VALVE VAULT TO BE REMOVED
EXISTING VALVE VAULT	FIRE HYDRANT TO BE REMOVED
VALVE VAULT TO BE CONSTRUCTED	TREE TO BE REMOVED
VALVE VAULT TO BE RECONSTRUCTED	
EXISTING FIRE HYDRANT WITH AUXILIARY VALVE	
NEW FIRE HYDRANT WITH AUXILIARY VALVE	
FIRE HYDRANT & AUXILIARY VALVE TO BE MOVED (SYMBOL WITH "M" LETTER, INDICATES NEW LOCATION)	
EXISTING WATER MAIN	
EXISTING COMBINED SEWER	
PROPOSED COMBINED SEWER	
EXISTING STORM SEWER	
PROPOSED STORM SEWER	
EXISTING SANITARY SEWER	
PROPOSED SANITARY SEWER	

SUMMARY OF QUANTITIES

ITEM NUMBER	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	Const. Code 1000 QUANTITY
1	20101000	TEMPORARY FENCE	FOOT	8,505
2	20101100	TREE TRUNK PROTECTION	EACH	70
3	20101200	TREE ROOT PRUNING	EACH	70
4	20101700	SUPPLEMENTAL WATERING	UNIT	3
5	20200100	EARTH EXCAVATION	CU YD	200
6	20800150	TRENCH BACKFILL	CU YD	17
7	20900330	GRANULAR BACKFILL	TON	5
8	21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	6,930
9	25200110	SODDING, SALT TOLERANT	SQ YD	6,930
10	31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	25
11	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	970
12	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	170
13	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,580
14	40600300	AGGREGATE (PRIME COAT)	TON	50
15	40600895	CONSTRUCTING TEST STRIP	EACH	1
16	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,180
17	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	35
18	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	450
19	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	45
20	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	16,900
21	42400800	DETECTABLE WARNINGS	SQ FT	1,815
22	44000100	PAVEMENT REMOVAL	SQ YD	635
23	44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	25,850
24	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	730
25	44000300	CURB REMOVAL	FOOT	5,000
26	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	630
27	44000600	SIDEWALK REMOVAL	SQ FT	18,700
28	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	75
29	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
30	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
31	60250200	CATCH BASINS TO BE ADJUSTED	EACH	25
32	60255500	MANHOLES TO BE ADJUSTED	EACH	49
33	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	18
34	60260100	INLETS TO BE ADJUSTED	EACH	1
35	60260200	INLETS TO BE ADJUSTED (SPECIAL)	EACH	3
36	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	15
37	60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	2
38	60266500	VALVE VAULTS TO BE REMOVED	EACH	1
39	60266600	VALVE BOXES TO BE ADJUSTED	EACH	23
40	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6
41	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	25
42	60500040	REMOVING MANHOLES	EACH	2
43	60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	5,630
44	61140100	STORM SEWERS (SPECIAL) 10"	FOOT	8
45	67100100	MOBILIZATION	L SUM	1
46	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
* 47	78000100	THERMOPLASTIC PAVEMENT MARKING =- LETTERS AND SYMBOLS	SQ FT	160
* 48	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,650
* 49	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4,025
* 50	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	250
* 51	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	820
* 52	81400115	HANDHOLE TO BE ADJUSTED	EACH	1
* 53	88600600	DETECTOR LOOP REPLACEMENT	FOOT	600
* 54	Z0019600	DUST CONTROL WATERING	UNIT	5
* 55	Z0057000	SANITARY SEWER, 10"	FOOT	3
* 56	Z0057100	SANITARY SEWER, 12"	FOOT	6
* 57	Z0076600	TRAINEES	HOUR	1,000
* 58	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,360
* 59	XX005065	CLASS B PATCHES (HIGH EARLY CONCRETE)	SQ YD	3,050

* SPECIALTY ITEMS

Δ Y080

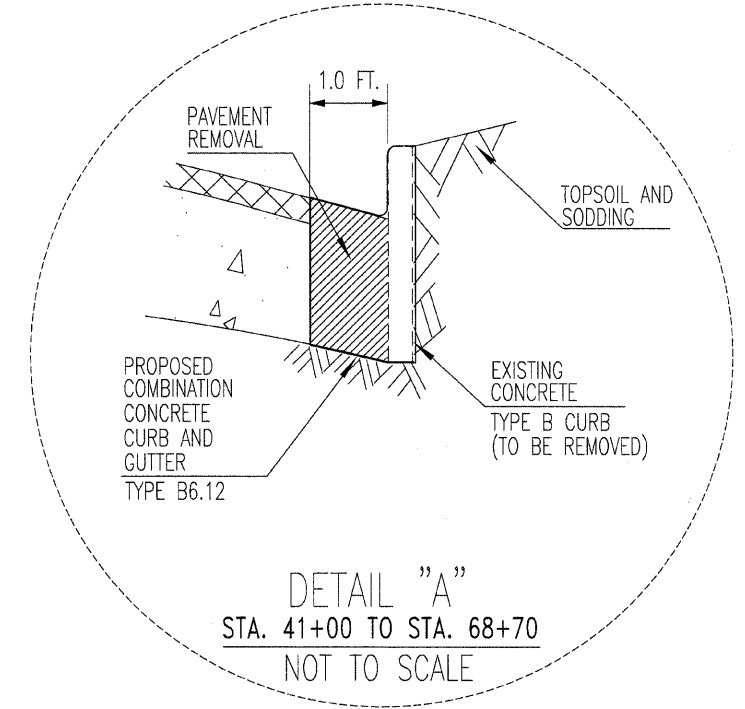
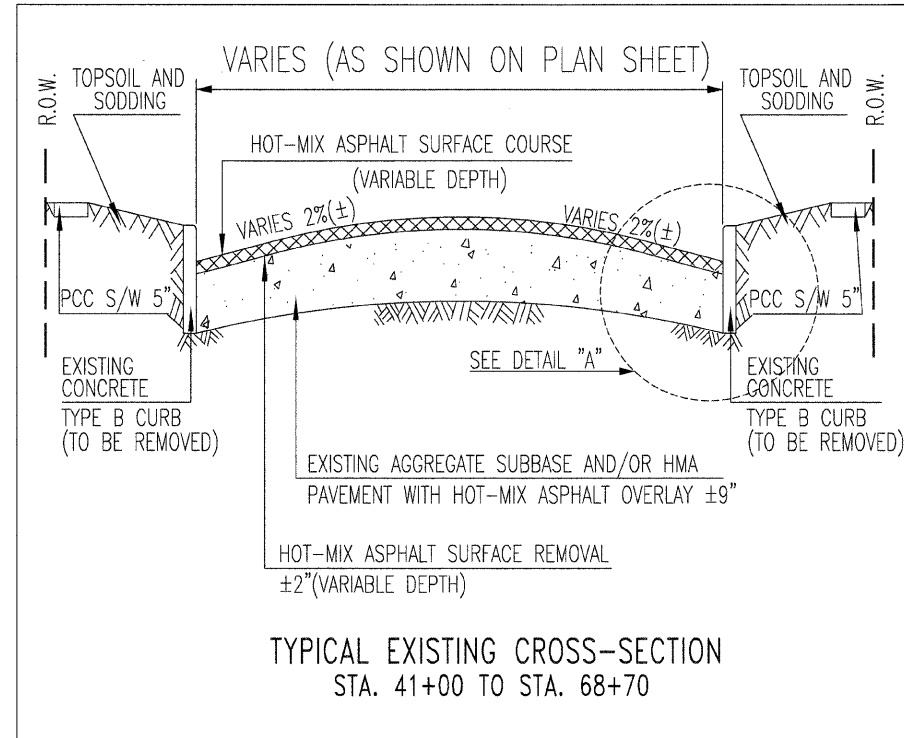
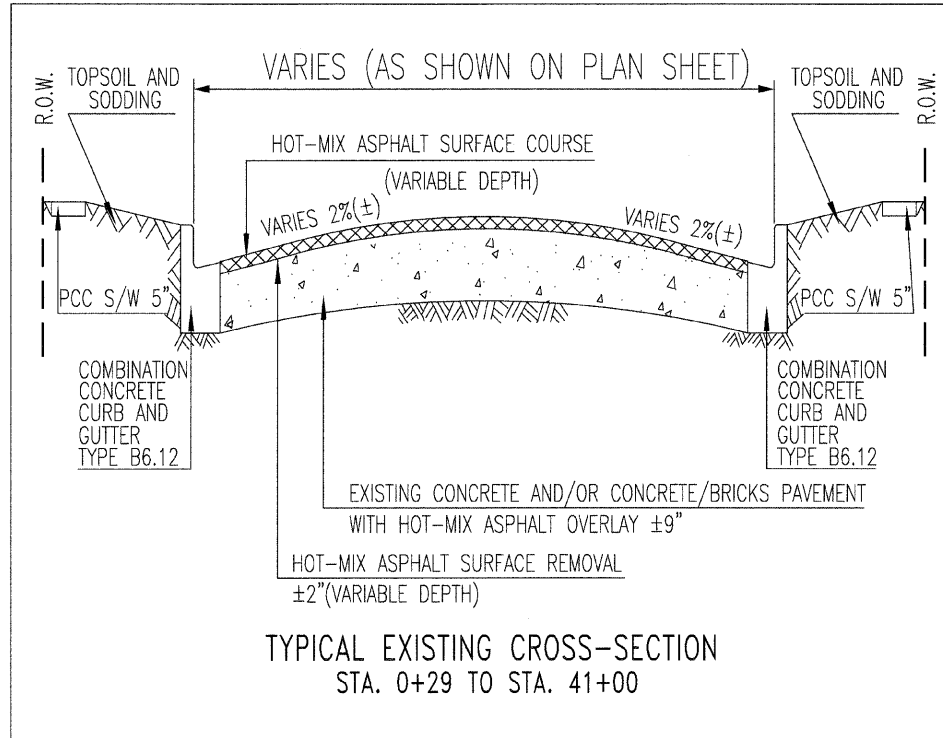
	CITY OF EVANSTON PUBLIC WORKS DEPARTMENT DIVISION OF TRANSPORTATION ENGINEERING SECTION PHONE: (847) 866-2924	DRAWN BY: JB,DT,LG DATE: 04/25/08	DESIGNED BY: PC,MC,AA DATE: 05/15/08	REVISED: AA, 09/19/08 REVISED: AA, 09/29/08
		CHECKED BY: PC, SN DATE: 6/10/08	BOOK: NONE SCALE: VARIES	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
STANDARD SYMBOLS/SUMMARY OF QUANTITIES

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	3
CONTRACT NO. 63072				
ILLINOIS				

EXISTING CONDITIONS

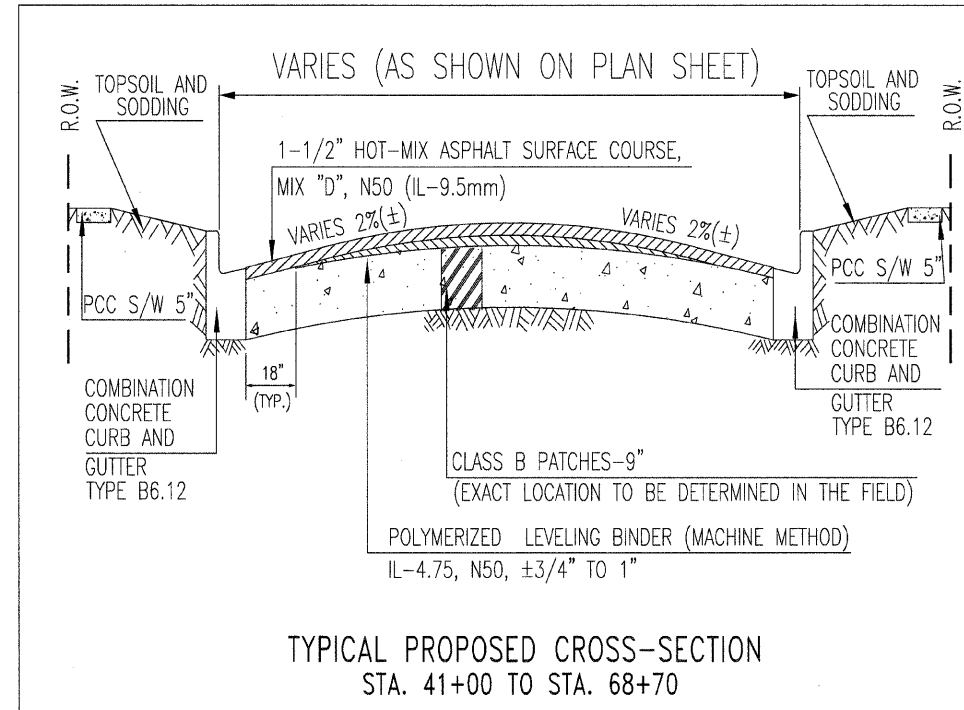
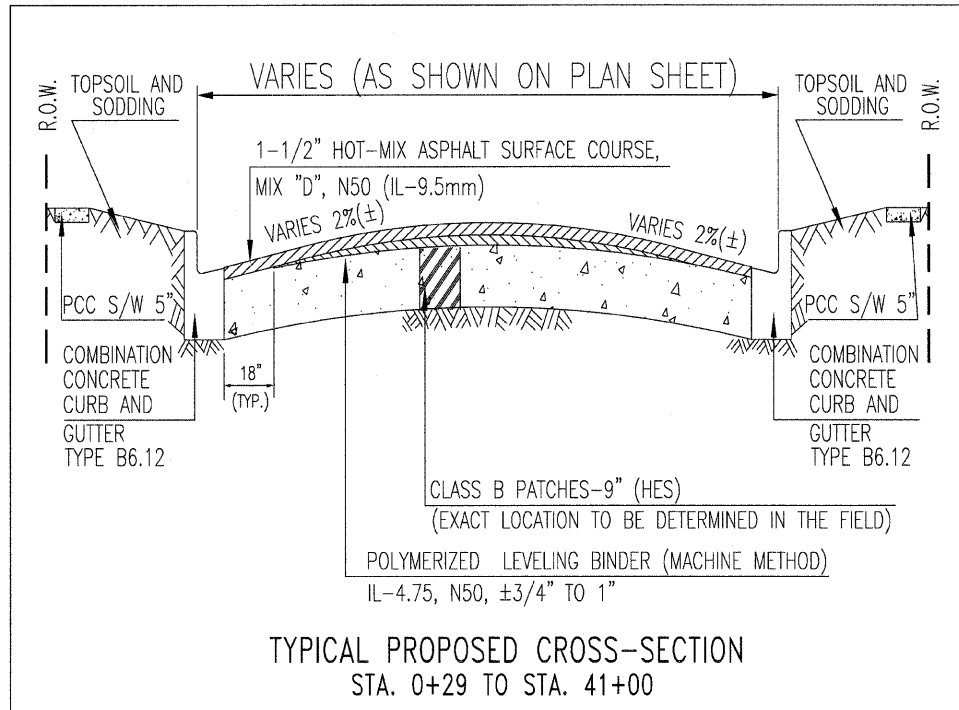


HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50 (IL-9.5 mm)	PG 64-22	4%@50 Gyr
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4%@50 Gyr
DRIVEWAYS		
INCIDENTAL HOT-MIX ASPHALT SURFACING HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50 (IL-9.5 mm)	PG 64-22	4%@50 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS./SQ. YD./IN.

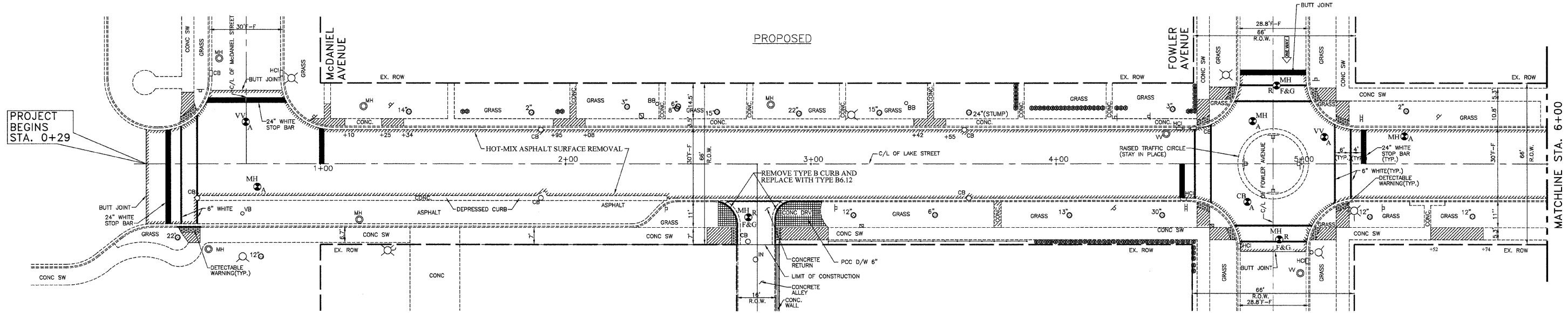
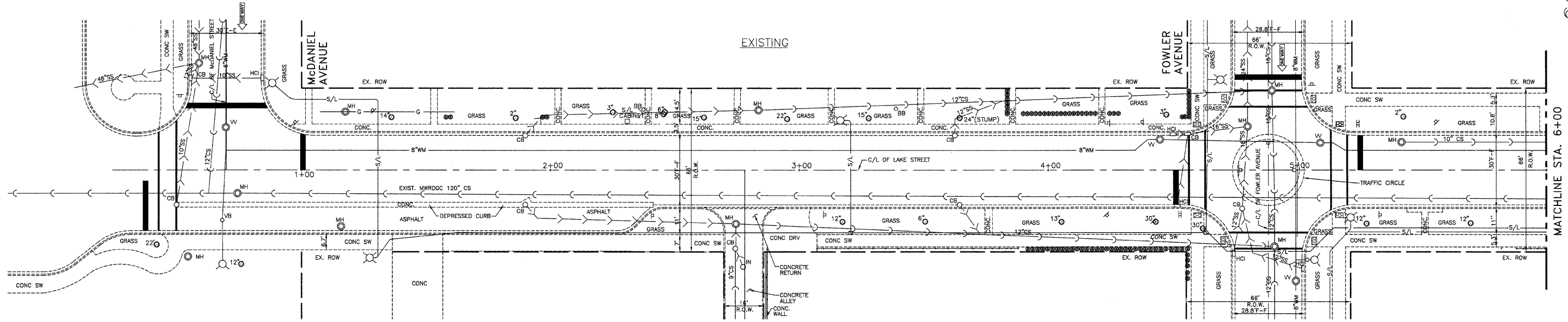
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

PROPOSED IMPROVEMENTS



- NOTE:**
- STA. 0+29 TO STA. 68+70 MILL (VARIABLE DEPTH) OF EXISTING ROADWAY SURFACE AND REPLACE WITH ±3/4" TO 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 AND 1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL9.5mm)
 - EXACT LOCATION OF THE CLASS "B" PATCHES (HES) WILL BE FIELD DETERMINED, AFTER HOT-MIX ASPHALT SURFACE REMOVAL.
 - EXISTING TYPE B CURB WILL BE REMOVED AND REPLACED WITH COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12, FROM STA. 41+00 TO STA. 68+70 AND AT STREET PLUS ALLEY CORNERS.
 - THE WORK IN NOTE 3 WILL BE PAID FOR AT CONTRACT UNIT PRICE BID FOR "PAVEMENT REMOVAL", "CURB REMOVAL", AND "COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12".
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL DRAINAGE STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTENT AND MAGNITUDE OF THE WORK REQUIRED TO ACCOMPLISH RECONSTRUCTING, REPLACING OR RELOCATING THE EXISTING DRAINAGE STRUCTURES.

LAKE STREET
(ASPHALT OVER CONCRETE)



PLANS PREPARED BY:  CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT
DIVISION OF TRANSPORTATION
ENGINEERING SECTION
PHONE: (847) 866-2924

DRAWN BY: JB,DT,LG	DESIGNED BY: PC,MC,AA	REVISED:
DATE: 04/25/08	DATE: 05/15/08	REVISED:
CHECKED BY: PC, SN	BOOK: NONE	REVISED:
DATE: 6/10/08	SCALE: VARIES	REVISED:

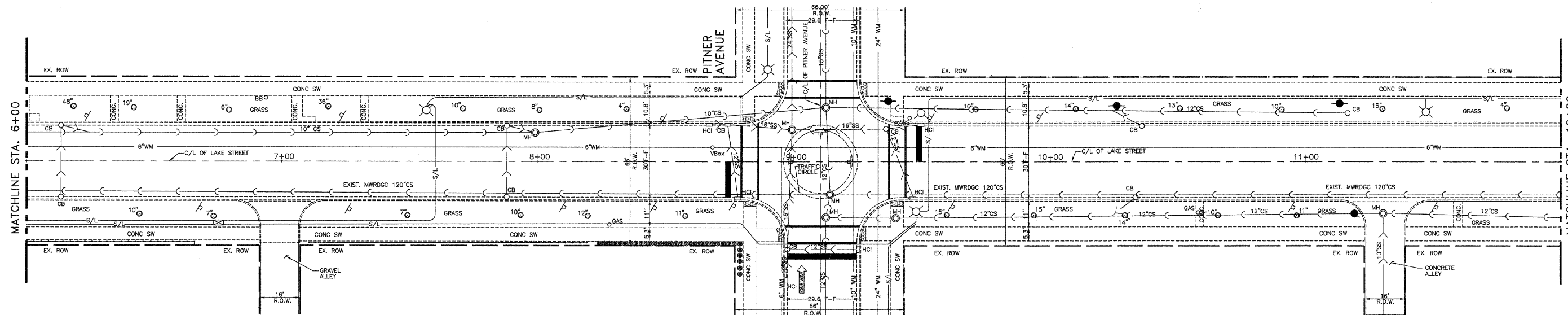
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
EXISTING PLAN/PROPOSED PLAN

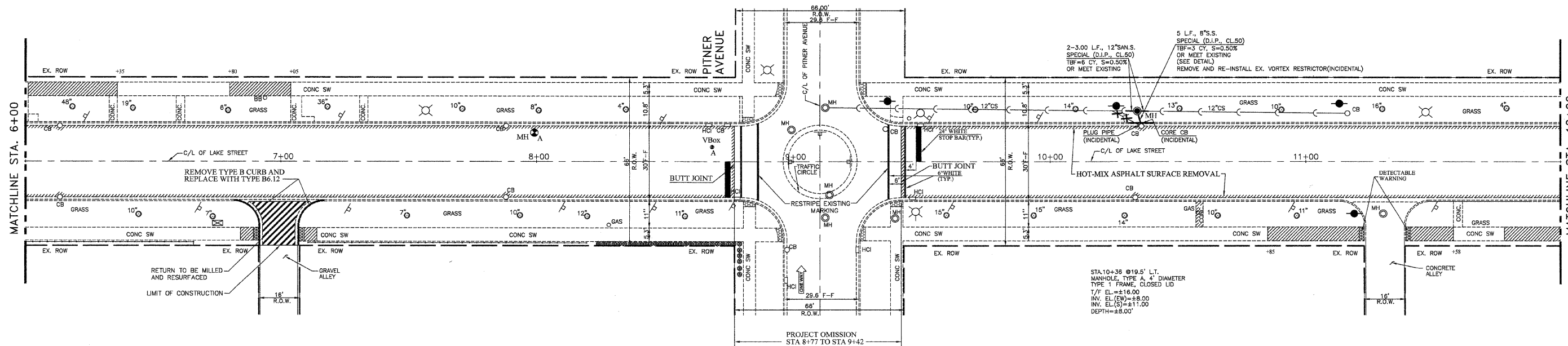
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	5
CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET
(ASPHALT OVER CONCRETE)

EXISTING



PROPOSED



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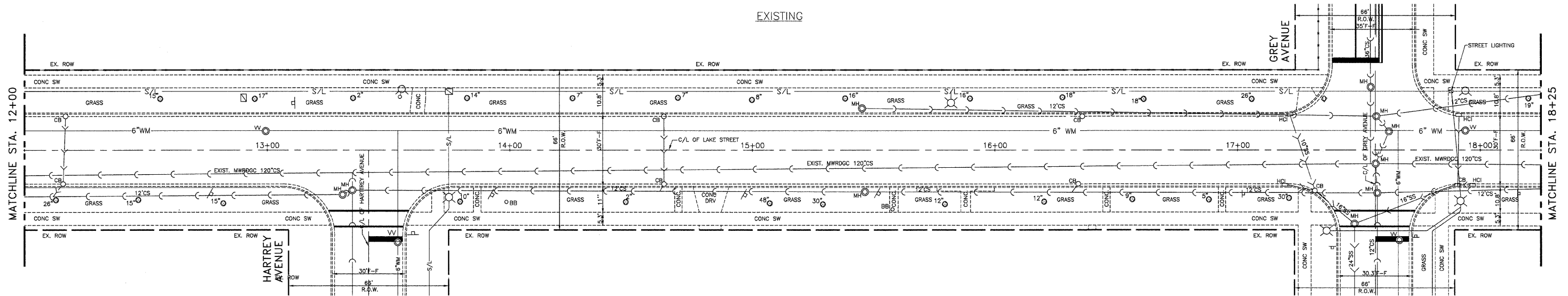
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
EXISTING PLAN/PROPOSED PLAN

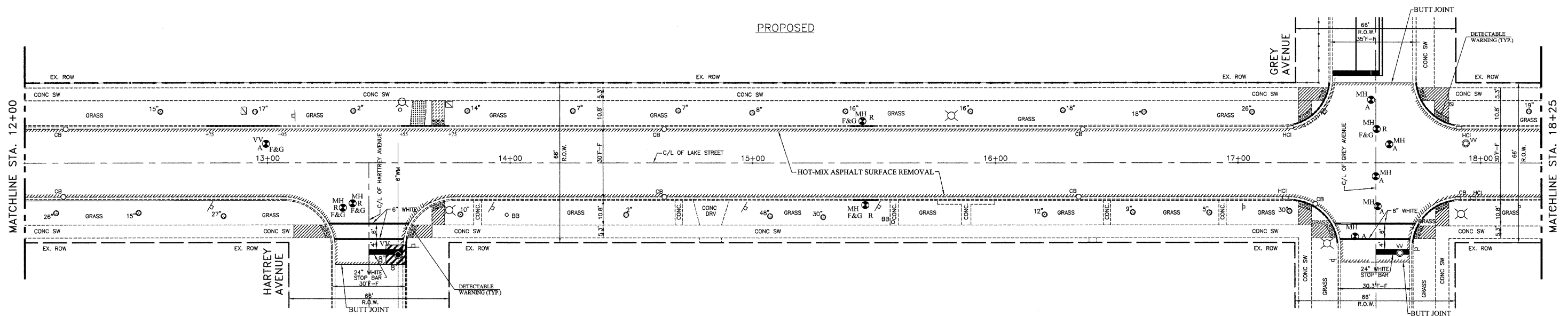
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1031	08-00249-00-RS	COOK	17	6
CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET
(ASPHALT OVER CONCRETE)

EXISTING



PROPOSED



STA. 13+53.50 @ 39' RT.
VALVE VAULT, TYPE A, 5' DIAMETER
TYPE 1 FRAME, CLOSED LID.

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DEPARTMENT OF TRANSPORTATION

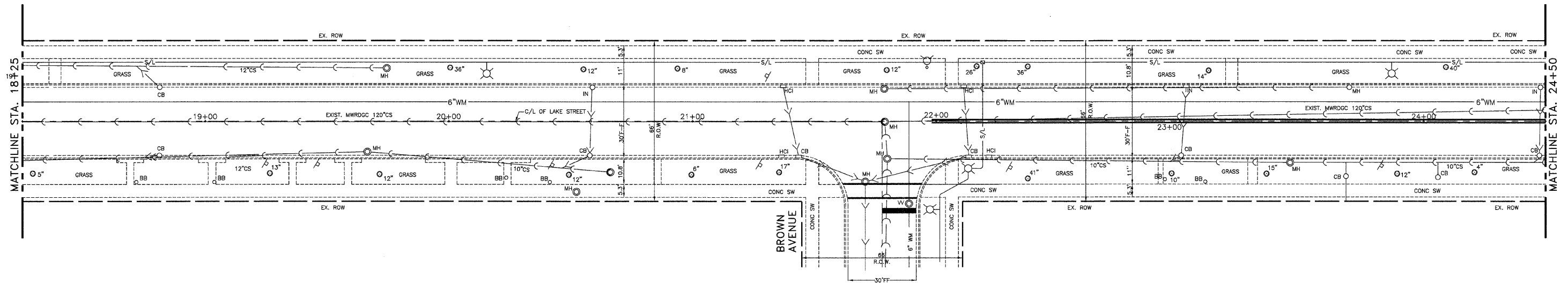
LAKE STREET
EXISTING PLAN/PROPOSED PLAN

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	7
CONTRACT NO. 63072				
ILLINOIS				

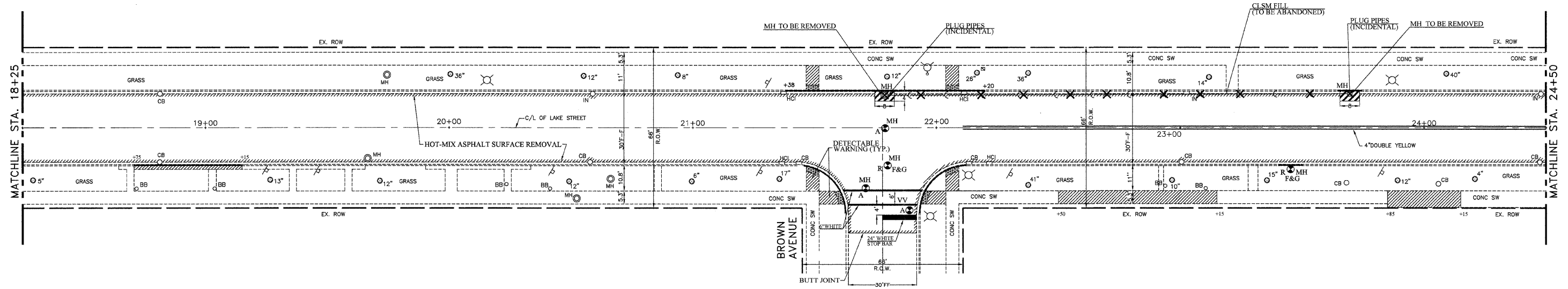


LAKE STREET
(ASPHALT OVER CONCRETE)

EXISTING



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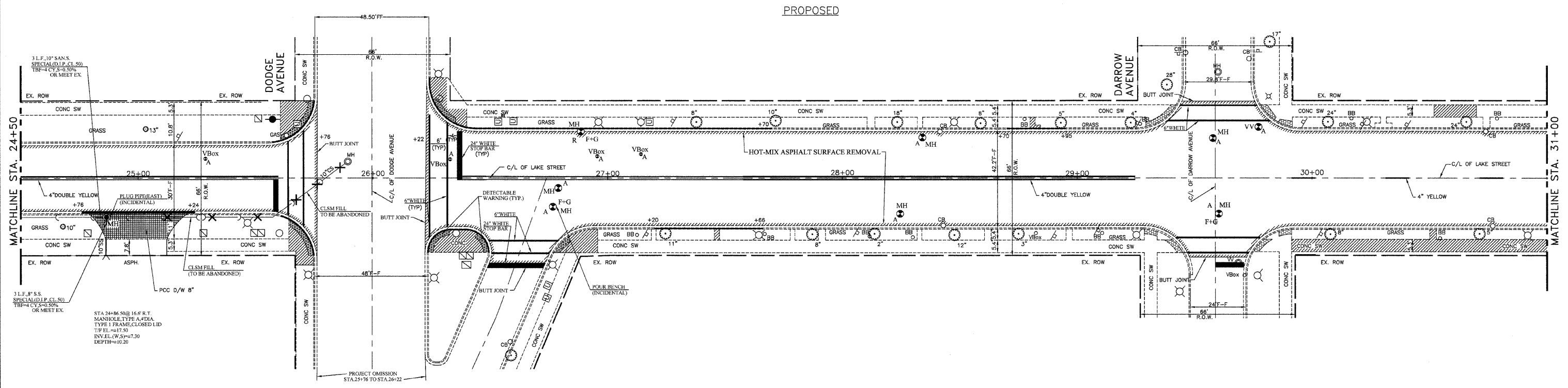
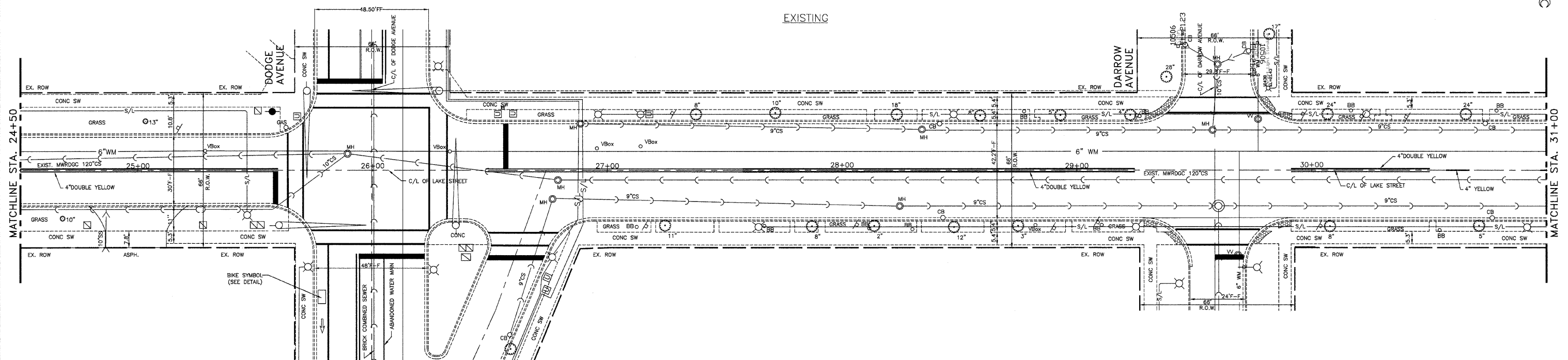
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


LAKE STREET
EXISTING PLAN/PROPOSED PLAN

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	8
CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET

(ASPHALT OVER CONCRETE—BROWN AVE. TO DODGE AVE.)
 (ASPHALT OVER BRICKS/CONCRETE—DODGE AVE. TO DARROW AVE.)



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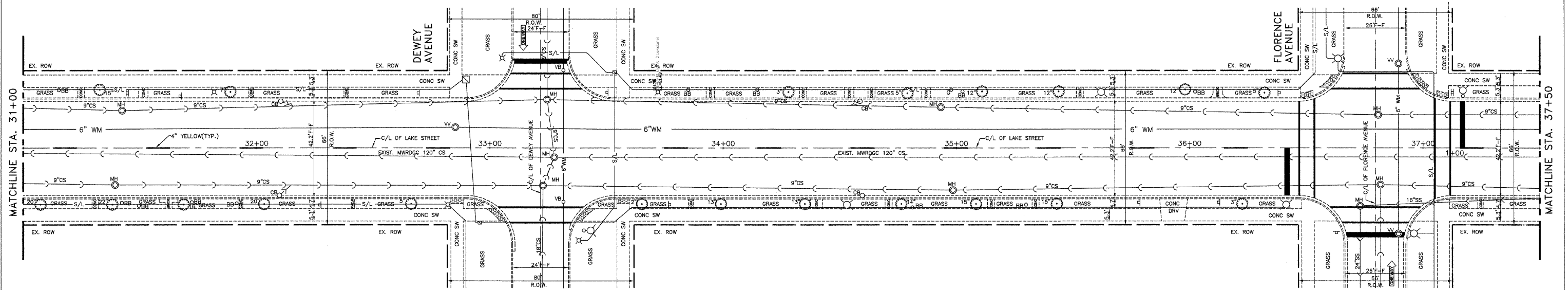
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LAKE STREET
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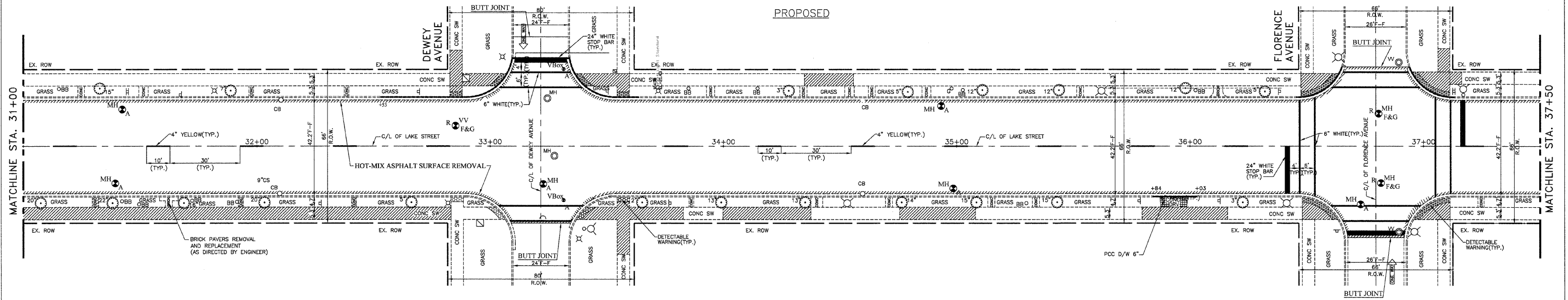
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1031	08-00249-00-RS	COOK	17	9
CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET
(ASPHALT OVER BRICK/CONCRETE)

EXISTING



PROPOSED



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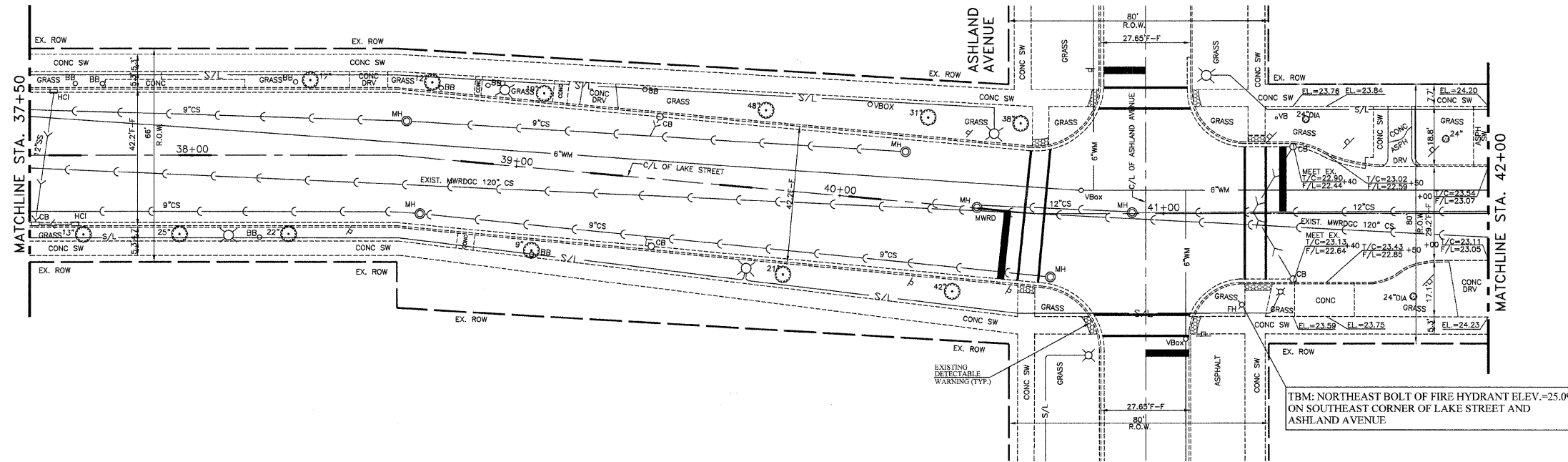
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
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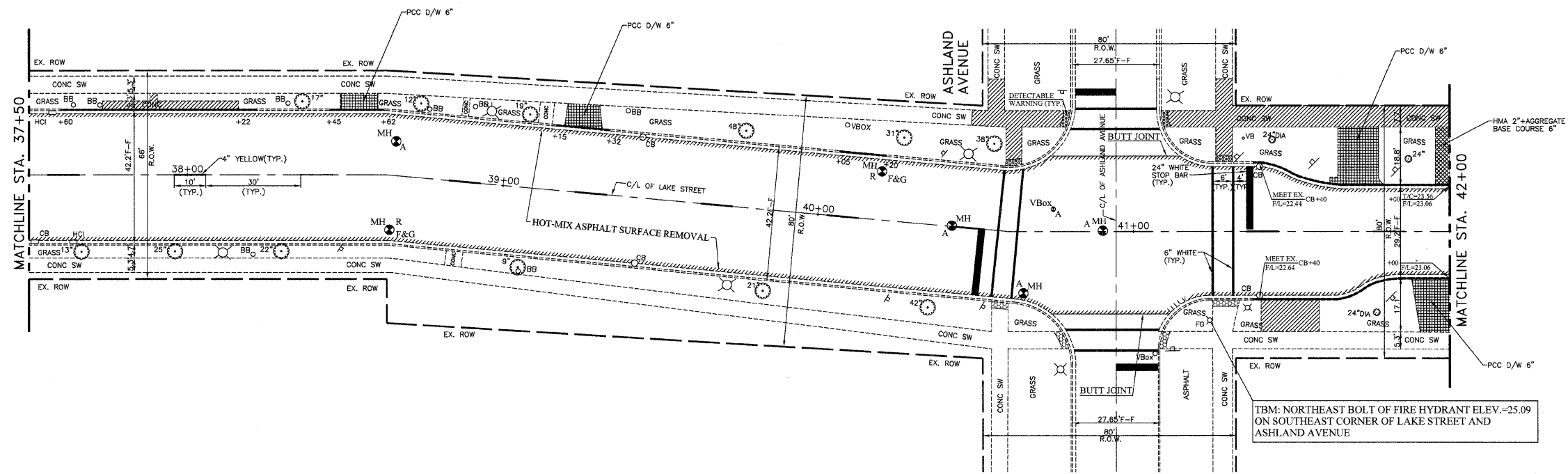
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1031	08-00249-00-RS	COOK	17	10
CONTRACT NO. 63072				
ILLINOIS				


LAKE STREET
(ASPHALT OVER BRICK/CONCRETE)

EXISTING



PROPOSED



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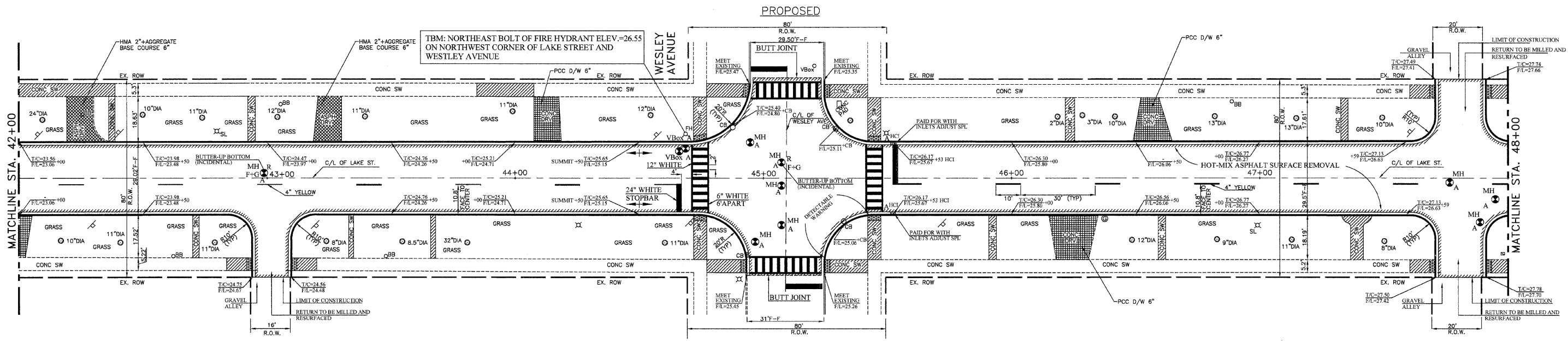
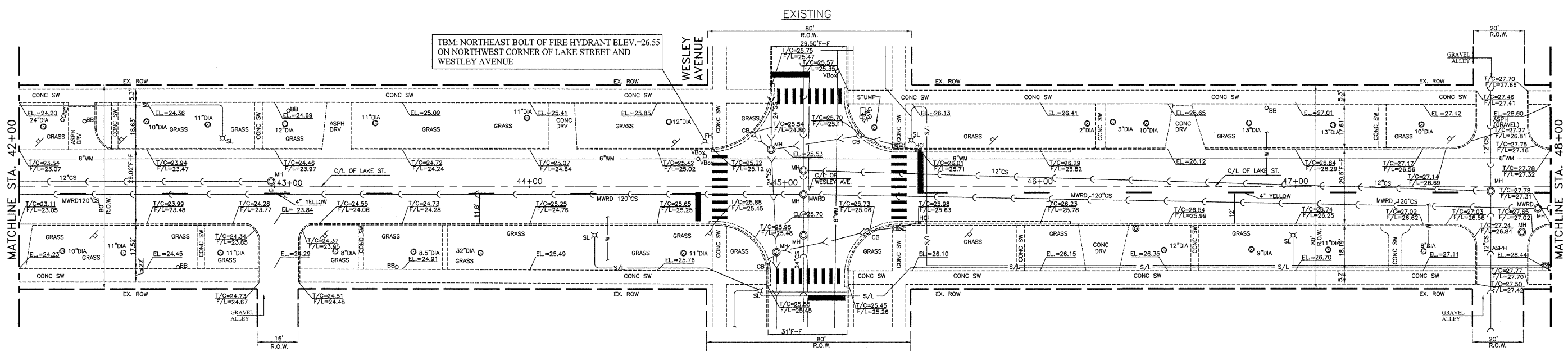
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
EXISTING PLAN/PROPOSED PLAN

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1031	08-00249-00-RS	COOK	17	11
CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET
(ASPHALT OVER MACADAM)



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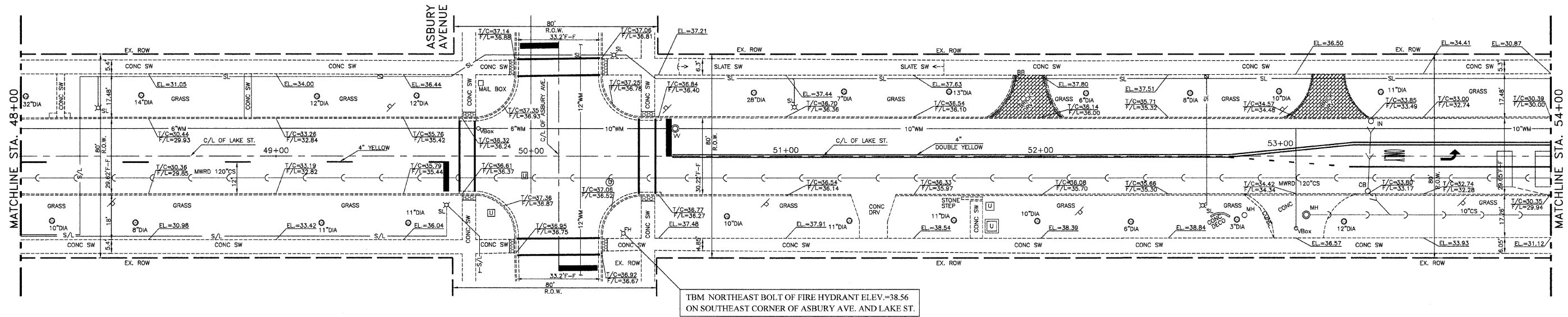
STATE OF ILLINOIS
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LAKE STREET
EXISTING PLAN/PROPOSED PLAN

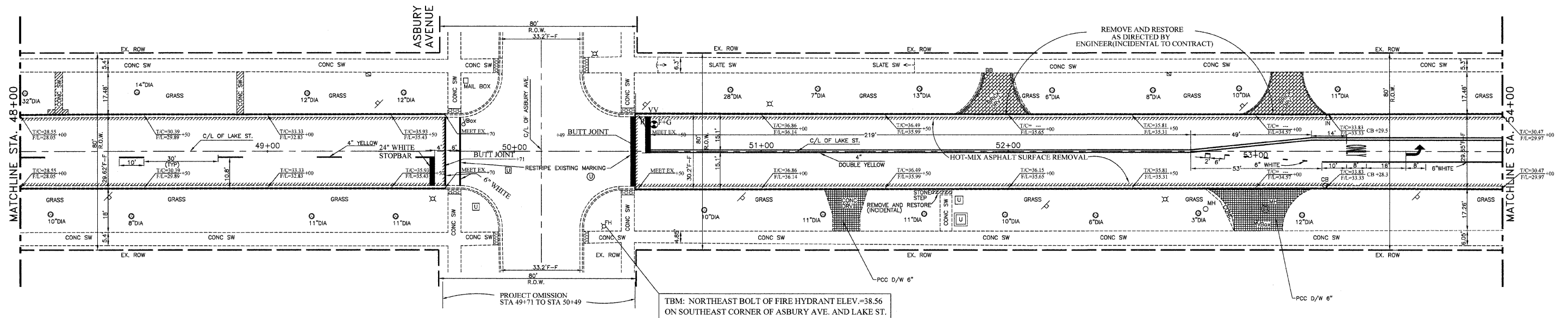
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1031	08-00249-00-RS	COOK	17	12
CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET
(ASPHALT OVER MACADAM)

EXISTING



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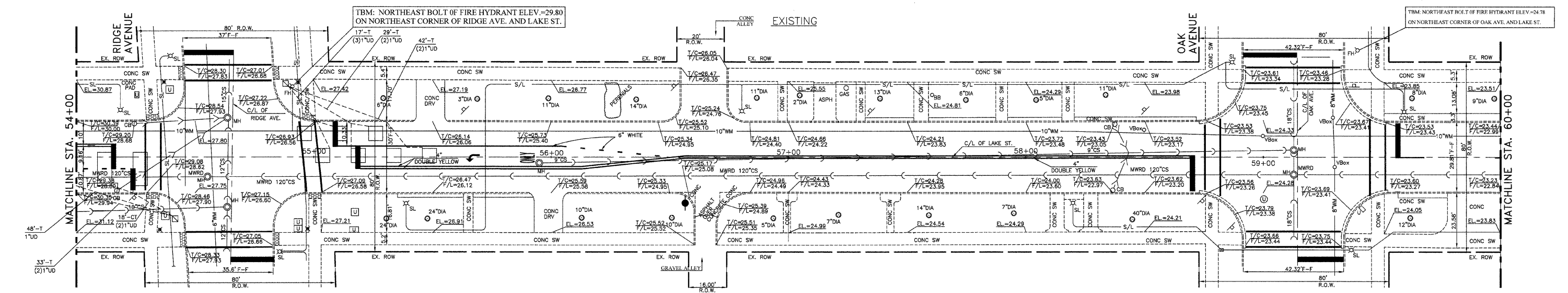
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

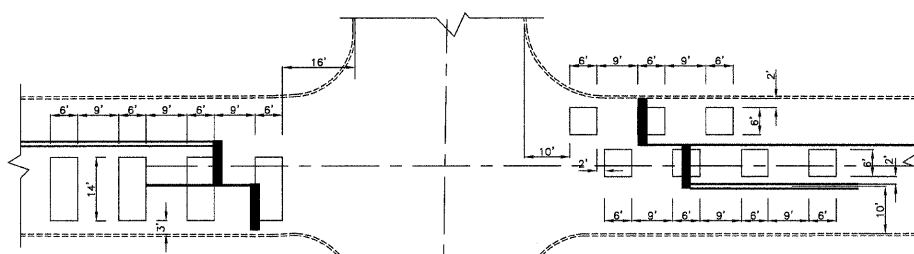
LAKE STREET
EXISTING PLAN/PROPOSED PLAN

F.A.U. R.T.E.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
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CONTRACT NO. 63072				
ILLINOIS				

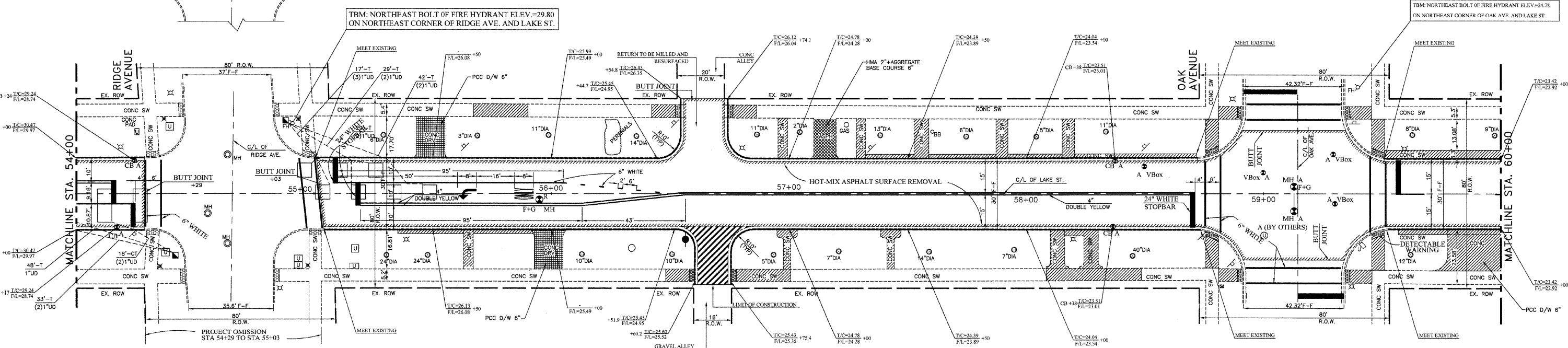
LAKE STREET
(ASPHALT OVER MACADAM)



LOOPS LOCATION



PROPOSED



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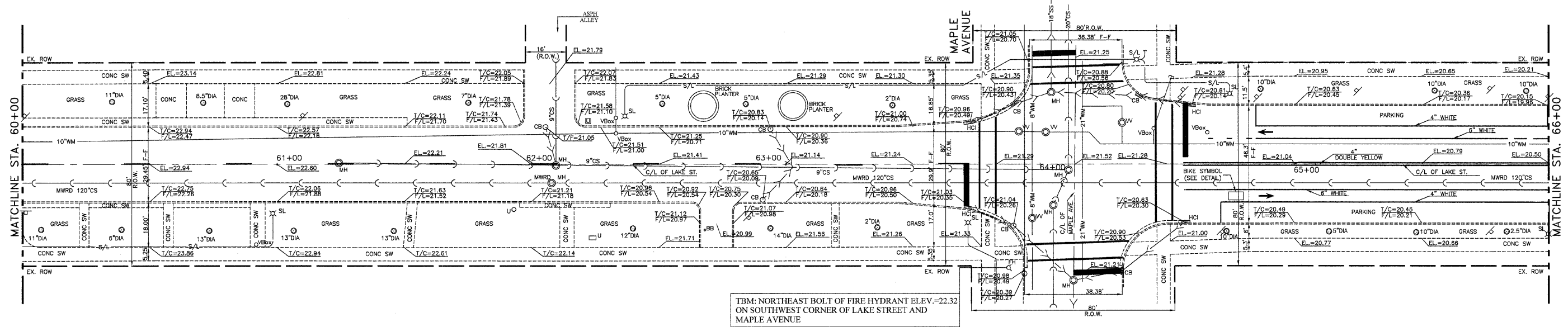
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
EXISTING PLAN/PROPOSED PLAN

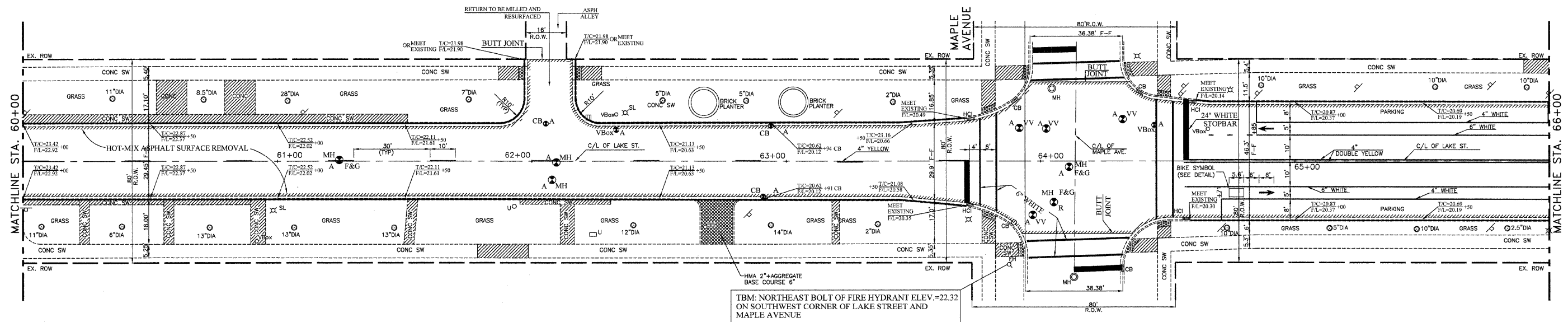
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CONTRACT NO. 63072				
ILLINOIS				

LAKE STREET
(ASPHALT OVER MACADAM)

EXISTING

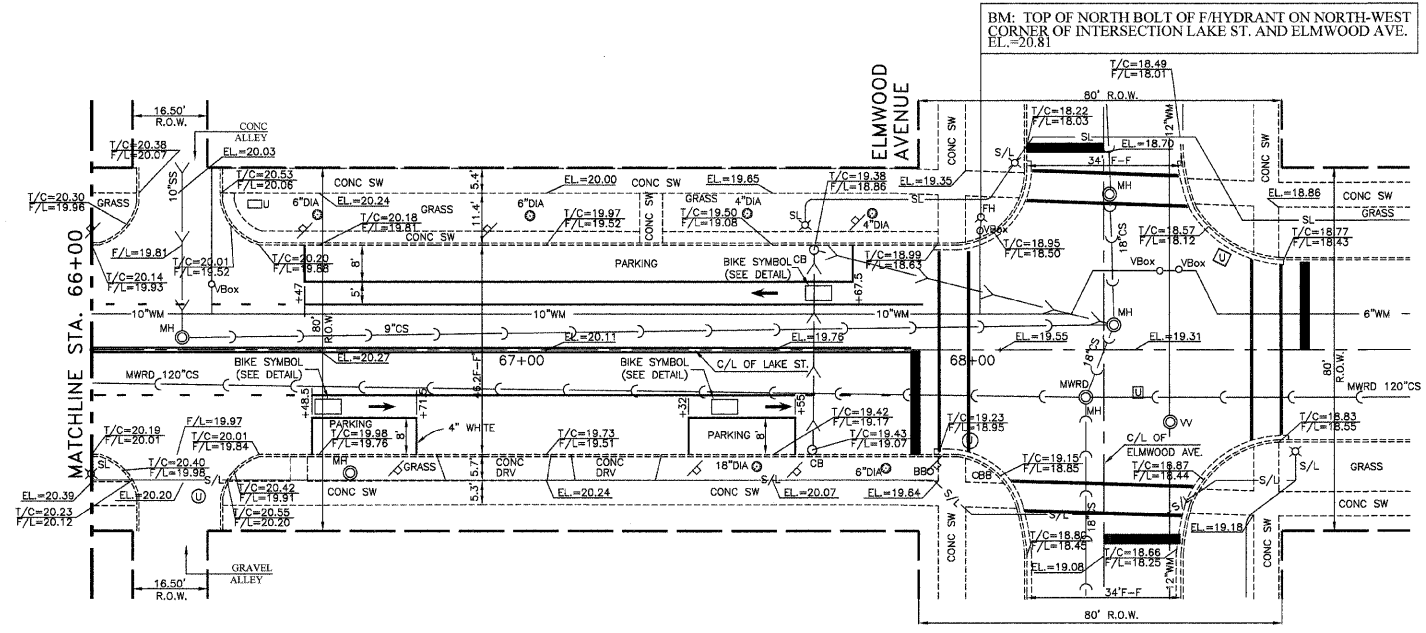


PROPOSED

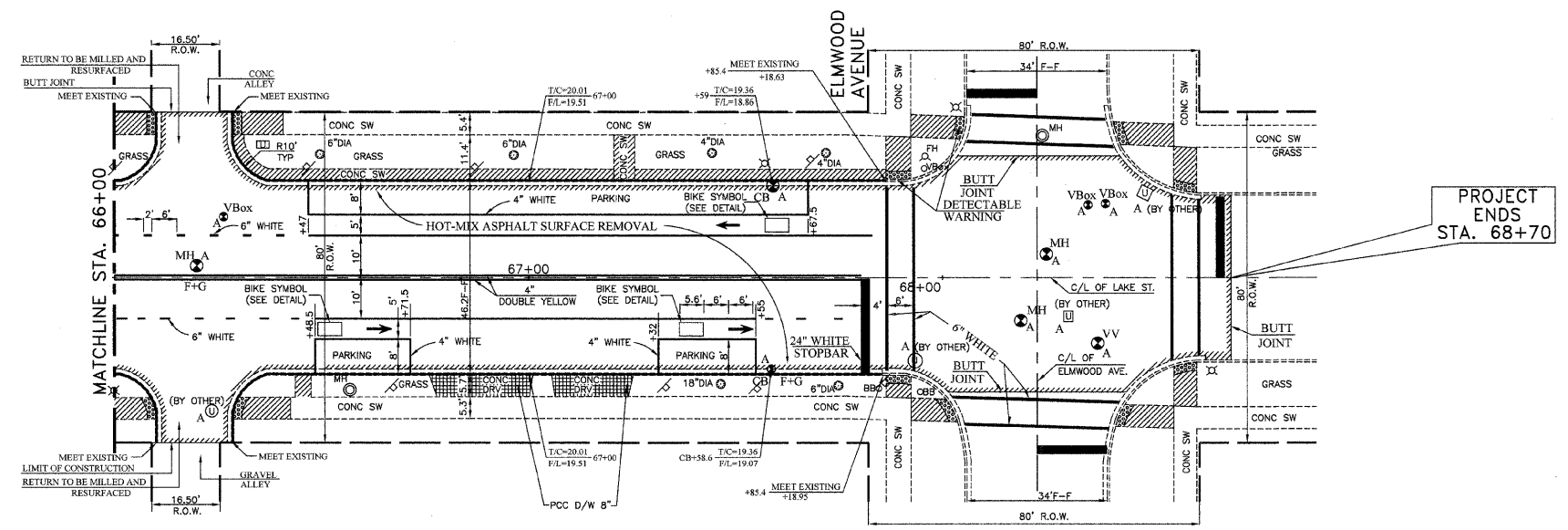


LAKE STREET
(ASPHALT OVER MACADAM)

EXISTING



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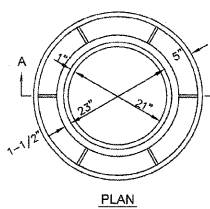
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET
EXISTING PLAN/PROPOSED PLAN

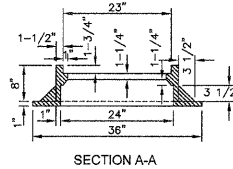
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1031	08-00249-00-RS	COOK	17	16
CONTRACT NO. 63072				
ILLINOIS				

CITY OF EVANSTON
STANDARD DETAILS OF TYPE 1 FRAME AND LID

NEENAH TYPE R1712 OR EQUAL
WEIGHT 390 LBS.



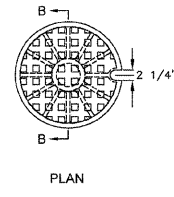
PLAN



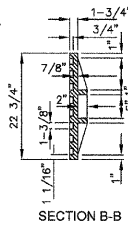
SECTION A-A

FRAME

CLOSED LID
WEIGHT 150 LBS.

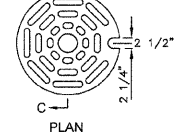


PLAN

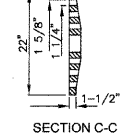


SECTION B-B

OPEN LID
WEIGHT 116 LBS.



PLAN

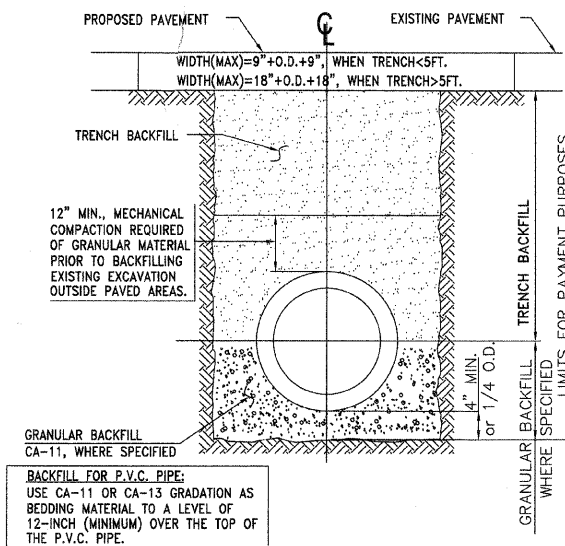


SECTION C-C

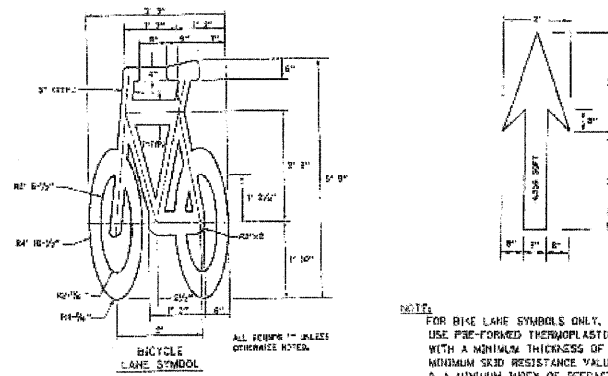
LID

NOTE: THE DIAMETER OF THE LID SHALL BE SUCH AS TO FIT THE FRAME WITHOUT WEDGING

TYPICAL DETAIL FOR
TRENCH & GRANULAR BACKFILL MATERIALS

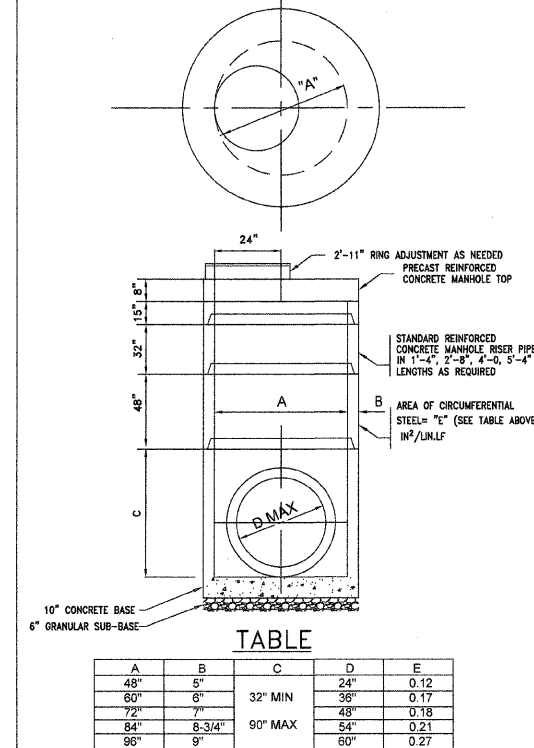


BACKFILL FOR P.V.C. PIPE:
USE CA-11 OR CA-13 GRADATION AS BEDDING MATERIAL TO A LEVEL OF 12-INCH (MINIMUM) OVER THE TOP OF THE P.V.C. PIPE.



NOTE: FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 30 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.

STANDARD MANHOLE
WITH FLAT TOP



NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.

TABLE

A	B	C	D	E
48"	5"	32" MIN	24"	0.12
60"	6"		36"	0.17
72"	7"		48"	0.18
84"	8-3/4"	90" MAX	54"	0.21
96"	9"		60"	0.27

PIPE MATERIAL SPECIFICATION

WHERE POLYVINYL CHLORIDE PIPE (P.V.C.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE SDR 26 IN CONFORMANCE WITH:

6" TO 15" PIPE ASTM D-3034
18" OR LARGER PIPE ASTM F-679

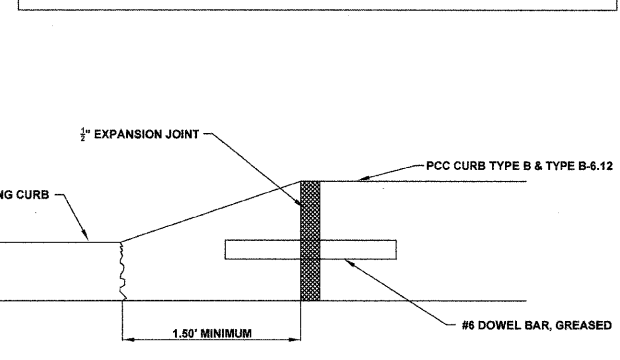
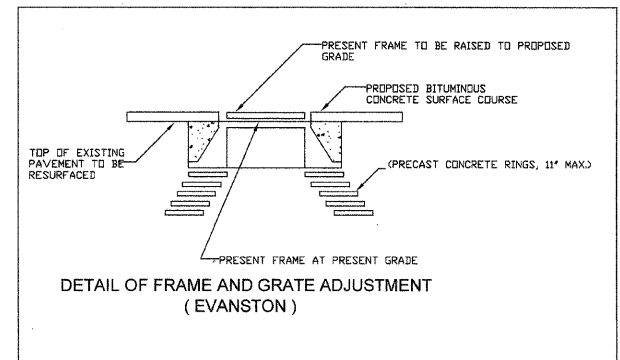
WHERE DUCTILE IRON PIPE (D.I.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE:

FOR SEWER: CLASS 50 IN CONFORMANCE WITH:
ANSI A-21.51 PIPE
ANSI A-21.11 JOINT

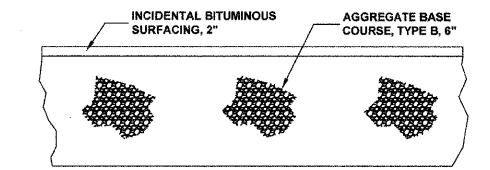
FOR WATER: CLASS 52 IN CONFORMANCE WITH:
Mechanical Joints, AWWA C-143
Push-On Joints, AWWA C-153

WHERE EXTRA STRENGTH CLAY PIPE (E.S.V.C.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE IN CONFORMANCE WITH:

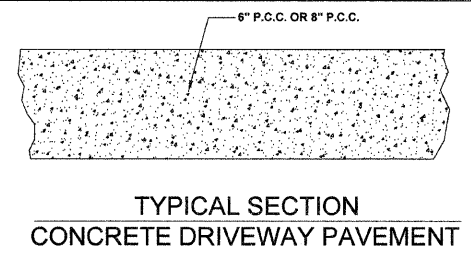
ASTM C-700 PIPE
ASTM C-425 JOINT



TYPICAL SECTION FOR
CURB TRANSITION

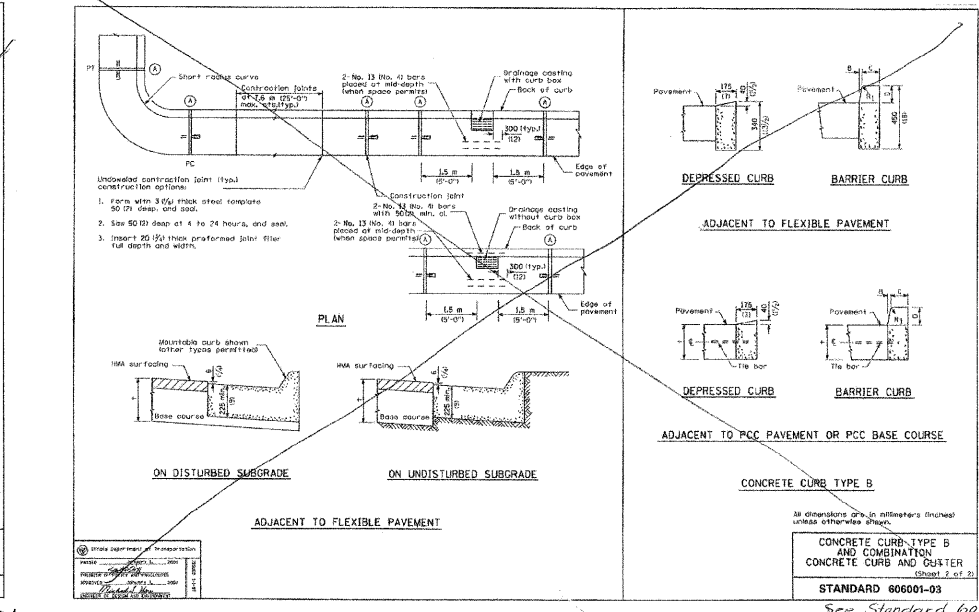
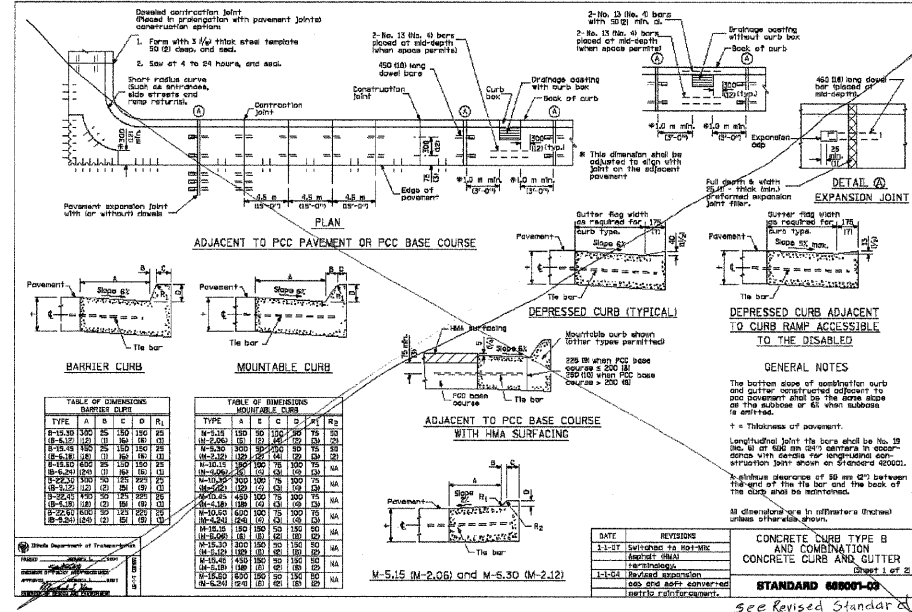


TYPICAL SECTION
BITUMINOUS DRIVEWAY PAVEMENT



TYPICAL SECTION
CONCRETE DRIVEWAY PAVEMENT

TYPICAL BIKE LANE SYMBOLS AND ARROW



M.W.R.D. TYPICAL GENERAL NOTES

- The MWRD Local Sewer Systems Section Field Office must be notified at least two (2) working days prior to the commencement of work (call 708-588-4053).
- Elevation datum is $CGD = 579.88$
Conversion equation: $CGD = 579.88$
- All floor drains shall discharge to the sanitary sewer system.
- All downspouts and footing drains shall discharge to the storm sewer system. (For City of Evanston Requirements: discharge to grade)
- All sanitary sewer pipe materials and joints (and storm sewer pipe materials and joints in a combined sewer area) shall conform to:

Joint Size	Pipe Material Specs.	Joint Specs.
4-425	ABS Composite/Twin Pipe	D-2680
VCP (No-Bell) C-700	8" (15" dia.)	ABS D-2680
ColBar	ABS D-2680	
Concrete Pipe C-14	PVC (Grande Sewer Pipe)	D-3212 or D-2855
ACP C-428	C-443	D-3212 or D-2855
ACP C-428	D-1869	D-2855
ABS Sewer Pipe	18" (27" dia.) F/46	D-3212 or D-2855
ABS D-2751	F-679	D-2855
	CSP A-74	C-564
	DIP A-21.51	A-21.11
- All sanitary sewer construction, and also storm sewer construction in combined sewer areas, requires stone bedding with stone 1/2" to 1" in size, with minimum thickness equal to 1/4 the outside diameter of the sewer pipe, but not less than four (4) inches nor more than eight (8) inches. Material shall be CA-11 or CA-13 and shall be extended at least 12" above the top of the pipe when using P.V.C.
- "Band Seal" or similar flexible-type couplings shall be used in the connection of sewer pipe of dissimilar materials. (For City of Evanston Requirements: "Band Seal" Flexible couplings are manufactured by Mission Rubber Company or equal shall be used for connections of new pipe to existing pipe, and where dissimilar pipe and joint materials are encountered. Couplings shall be a minimum of 8-inches long for connections through 6-inch pipe and a minimum of 12-inches long for connections on larger pipes. (These are special order items).)
- When connecting to an existing sewer main by means other than an existing manhole, one of the following methods shall be used:
 - Circular saw-cut of sewer main by proper tools ("Shower-Tap" machine or similar) and proper installation of hub-type saddle or hub-type saddle.
 - Remove an entire section of pipe (breaking only the top one bell) and replace with a new or tree branch section.
 - With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using "Band Seal" or similar couplings to hold it firmly in place.
- Whenever a sanitary/combined sewer crosses under a water main, the minimum vertical distance from the top of the sewer to the bottom of the water main shall be 18 inches. Furthermore, a minimum horizontal distance of 10 feet between sanitary/combined sewers and water mains shall be maintained unless the sewer is laid in a separate trench, keeping a minimum 18" vertical separation; or the sewer is laid in the same trench with the water main located at the opposite side on a bench of undisturbed earth. In any case, a minimum 18" vertical separation. If either the vertical or horizontal distances described above can not be maintained, or the sewer crosses above the water main, the sewer shall be constructed to water main standards.
- All existing septic systems shall be abandoned. Abandoned Tanks shall be filled with granular material or removed.
- All sanitary manholes, (and storm manholes in combined sewer areas), shall have a minimum inside diameter of 48 inches, and shall be cast in place or pre-cast reinforced concrete.
- All abandoned sewers require a 2' long non-slip-rank concrete mortar plug.
- All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.

BEDDING PAYMENT SCHEDULE

PIPE SIZE (INCH I. D.)	UNIT RATE PER LIN. FT. (TONS)
8	0.19
10	0.22
12	0.22
15	0.33
18	0.41
21	0.48
24	0.57