

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

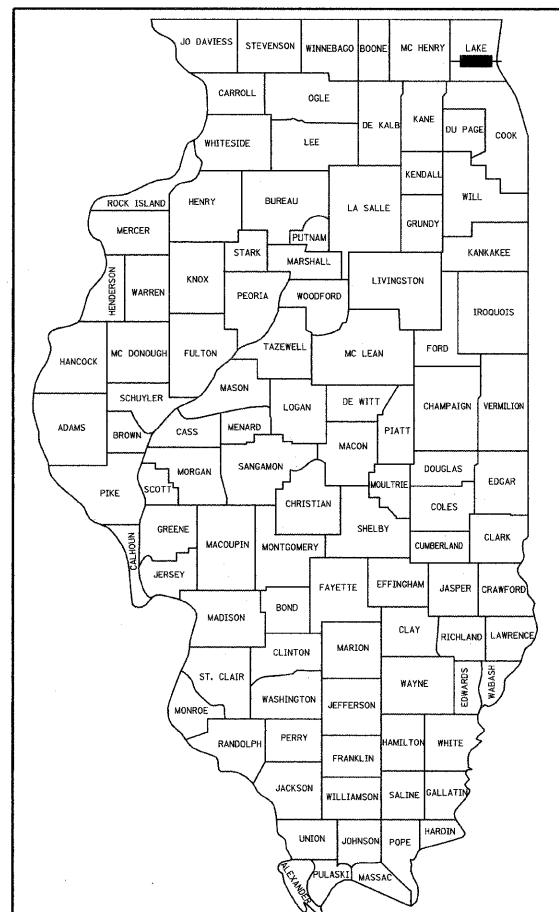
FEDERAL-AID HIGHWAY
F.A.U. ROUTE 1230 (MARTIN LUTHER KING JR. DRIVE)
SECTION 03-00159-00-PV
PROJECT NO.: M-8003(432)

F.A.U. 2711 (IL ROUTE 131-GREEN BAY ROAD) TO
F.A.P. 352 (IL ROUTE 137-SHERIDAN ROAD)
ROADWAY RECONSTRUCTION AND STORM SEWER IMPROVEMENTS
CITY OF NORTH CHICAGO
LAKE COUNTY
C-91-302-04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262*	1
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83828				

* + 1 = 263

D-91-302-04



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION

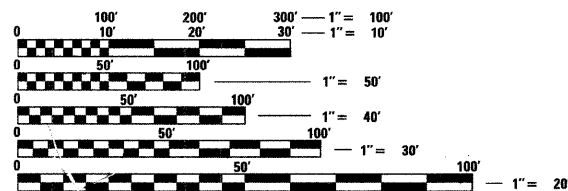
1510 (30) ARTERIAL 1.74 (FD-24)
DESIGN SPEED = 30 MPH
POSTED SPEED = 30 MPH

TRAFFIC DATA

EXISTING ADT = 11,000 (2004)
PROPOSED ADT = 13,000 (2030)

IMPROVEMENT LOCATED IN
NORTH CHICAGO

SCALES
PLAN 1 : 50
PROFILE HORIZ. 1 : 50
PROFILE VERT. 1 : 5
CROSS SECTIONS 1 : 10 HORIZONTAL, 1 : 5 VERTICAL



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.

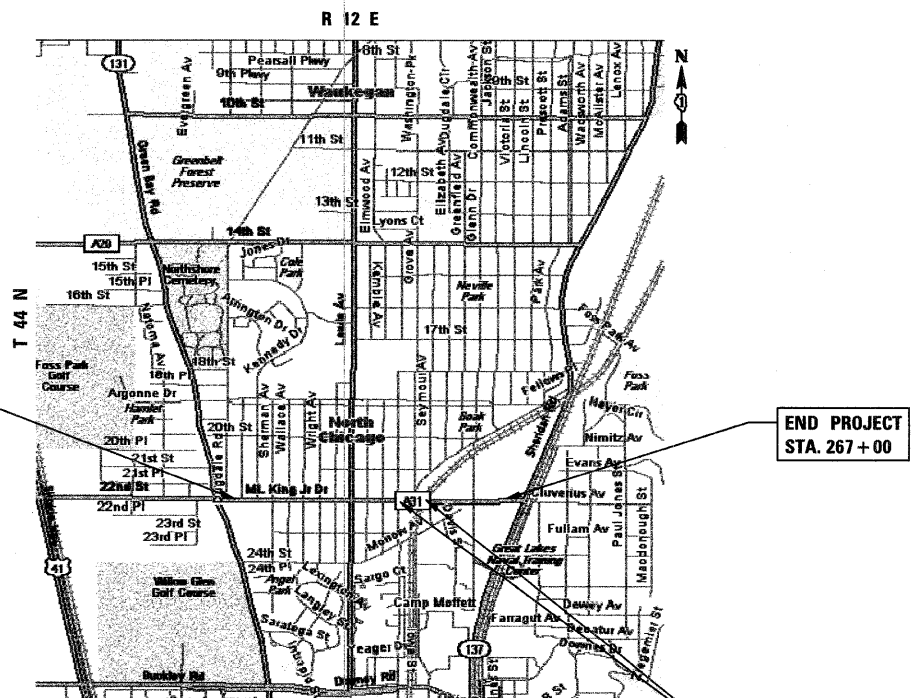


J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 OR 811

CONTRACT NO. 83828

48 - HOURS BEFORE DIGGING

ASSOCIATED FIELD ENGINEER: KEVIN STALLWORTH (847) 705-4169



BEGIN PROJECT
STA. 206 + 75

END PROJECT
STA. 267 + 00

LOCATION MAP
0.64 in @ 1:20 SCALE = 1000 ft

GROSS LENGTH OF PROJECT = 6,025 FT = 1.14 MI.
NET LENGTH OF PROJECT = 6,014.77 FT = 1.14 MI.

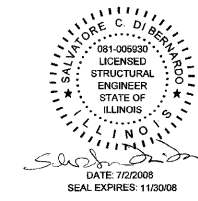
OMISSION
STA. 247 + 52.51 - 247 + 62.74

AGENCY RESPONSIBLE FOR LETTING

APPROVED *[Signature]* 2008
MAYOR OF CITY OF NORTH CHICAGO

PASSED *[Signature]* 2008
DISTRICT 1 ENGINEER OF LOCAL ROAD & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW *[Signature]* 2008
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



Ciorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
184-001016
CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 ☎ (773) 775-4009

PLANS PREPARED BY: CIORBA GROUP
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND LEGEND
3	GENERAL NOTES
4-10	SUMMARY OF QUANTITIES
11-15	TYPICAL SECTIONS
16-22	SCHEDULE OF QUANTITIES
23	ALIGNMENT
24-25	SURVEY TIES AND BENCHMARKS
27-40	EXISTING CONDITIONS, UTILITIES AND REMOVAL ITEMS
41-55	PROPOSED ROADWAY PLAN AND PROFILE
56-76	TRAFFIC CONTROL AND PROTECTION
77	STORMWATER POLLUTION PREVENTION PLAN
78-85	EROSION CONTROL AND LANDSCAPING
86-99	PROPOSED STORM SEWER PLAN AND PROFILE
100-112	PROPOSED SANITARY SEWER PLAN AND PROFILE
113-115	SANITARY SEWER DETAILS
116-125	PROPOSED WATERMAIN PLAN AND PROFILE
126-128	WATERMAIN DETAILS
129-141	PLAT OF HIGHWAYS
142-144	PERMANENT PAVEMENT MARKING AND SIGNING
145-151	TEMPORARY TRAFFIC SIGNAL PLANS
152-157	PROPOSED TRAFFIC SIGNAL PLANS
158-162	TRAFFIC SIGNAL INTERCONNECT PLANS
163-171	TRAFFIC SIGNAL DETAILS
172-174	EXISTING ROADWAY LIGHTING REMOVAL PLANS
175-189	PROPOSED ROADWAY LIGHTING PLANS
190	ROADWAY LIGHTING ONE LINE DIAGRAM
191-196	ROADWAY LIGHTING DETAILS
197	RETAINING WALL, PEDESTRIAN RAIL, AND BIKEPATH DETAILS
198	DRIVEWAY DETAILS (<15 FT.) (BD-02)
199	OUTLET FOR CONCRETE CURB AND GUTTER (BD-03)
200	STORM SEWER CONNECTION TO EXISTING SEWER (BD-07)
201	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
202-204	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
205-262	CROSS SECTIONS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
601001-02	SUB-SURFACE DRAINS
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602301-01	INLET, TYPE A
602306-01	INLET, TYPE B
602401-01	MANHOLE, TYPE A
602406-02	MANHOLE, TYPE A, 1800 MM (72" DIAMETER)
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	MANHOLE STEPS
604001-02	FRAME AND LIDS, TYPE 1
604051-02	FRAME AND GRATE, TYPE 11
604086-01	FRAME AND GRATE, TYPE 23
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
606306-02	CORRUGATED PC CONCRETE MEDIANS
664001-01	CHAIN LINK FENCE
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS (SIGNS, MARKERS AND DELINEATORS)
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
729001	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-03	STEEL MAST ARM ASSEMBLY AND POLE
877011-03	STEEL COMBINATION MAST ARM AND ASSEMBLY POLE
878001-06	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS

DATE: 6/30/08
 TIME: 2:28:48 PM
 FILENAME: N:\PROJ\05161\Design\Misc\Sheets\5161-Index.dgn



REVISIONS	
NAME	DATE

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 INDEX OF SHEETS,
 STATE STANDARDS AND LEGEND

SCALE: N.T.S. DRAWN BY: BWS
 DATE: APRIL, 2008 CHECKED BY: MJL

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	3
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT: 83828

- ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING SANITARY SEWERS, STORM SEWERS, WATER MAINS, AND THEIR SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD-LOCATE ALL UTILITIES, ASCERTAIN THEIR STATUS AND ADJUST OR RELOCATE THESE UTILITIES, AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO:
 - NORTH SHORE GAS COMPANY
3001 GRAND AVENUE
WAUKEGAN, IL 60085
CONTACT: SALVADOR ARANA
(847)-263-4666
 - COMMONWEALTH EDISON COMPANY
1500 FRANKLIN BOULEVARD
LIBERTYVILLE, IL 60048
CONTACT: LAUREL ROBINSON
(847)-816-5335
 - SBC/ AMERITECH COMPANY
1200 ARLINGTON HEIGHTS ROAD
ARLINGTON HEIGHTS, IL 60004
CONTACT: JOYCE AHERN
(847) 506-8701
 - U.S. CABLE OF LAKE COUNTY
3233 WEST GRAND AVENUE
WAUKEGAN, IL 60085
 - COMCAST CABLE COMPANY
668 INDUSTRIAL DRIVE
ELMHURST, IL 60126
 - CITY OF NORTH CHICAGO
PUBLIC WORKS WATER DEPARTMENT
1850 LEWIS AVENUE
NORTH CHICAGO, IL 60064
ATTN: JOHN PATTERSON
(847)-596-8881

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR OWNER. THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

3. PROCUREMENT OF ALL NECESSARY PERMITS, AND PAYMENT THEREOF, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

4. DURING THE CONSTRUCTION OPERATION WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

6. THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

7. THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE DEPRESSED ACROSS ALL DRIVEWAYS, HANDICAPPED RAMPS AND/OR AS SPECIFIED BY THE ENGINEER. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL CROSS WALK LOCATIONS, AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS.

8. PROPER DRAINAGE SHALL BE MAINTAINED IN THE IMPROVEMENT AREA DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

9. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT AT THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

10. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED WITH ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

- THE CONTRACTOR AT HIS OWN EXPENSE SHALL BE REQUIRED TO RELOCATE ALL ROAD SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET SUCH SIGNS DURING HIS CONSTRUCTION OPERATIONS. ALL WORK INVOLVING SIGNS SHALL BE COVERED BY THE FOLLOWING REQUIREMENTS:
 - SIGNS SHALL NOT BE REMOVED UNTIL PROGRESS OF WORK NECESSITATES REMOVAL
 - EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER VISIBLE TO TRAFFIC ON THE HIGHWAY. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND NEAT APPEARING FOR THE DURATION OF THE TEMPORARY SETTING.
 - ALL SIGNS MUST BE RE-ERECTED IN THEIR PERMANENT LOCATIONS AS DESIGNATED BY THE ENGINEER AS THE ROADWAY IS COMPLETED.
 - ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOB SITE FOR PICKUP BY THE CITY.
 - ANY SIGN OR SIGN POST DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A LIST OF ALL EXISTING DAMAGED SIGNS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN INVENTORY OF ALL SIGNS MOVED DURING CONSTRUCTION.

12. THE CONTRACTOR SHALL PLACE FRESH OIL WARNING SIGNS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

13. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE ENGINEER BEFORE BEGINNING WORK ON ANY STREET.

14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PAVEMENT OPENINGS, OPEN HOLES, EQUIPMENT AND RUBBLE LEFT IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS.

15. ALL DRIVEWAYS, CARRIAGE WALKS, AND SERVICE WALKS ADJACENT TO THE NEW CURB AND GUTTER AND MARKED FOR REMOVAL WILL BE RECONSTRUCTED TO PROVIDE GENTLE SLOPES AND PROFILES AS DIRECTED BY THE ENGINEER.

16. ALL PARKWAYS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY GRADED AND RECEIVE FOUR INCHES OF TOPSOIL AND SOD.

17. PLACEMENT OF TOPSOIL AND SOD SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

18. THE CONTRACTOR MAY BE REQUIRED TO PUT A GRADE BREAK IN THE SCREED AND ADJUST THE CONTROLS OF HIS PAVING MACHINE TO ALLOW THE REQUIRED THICKNESS OF ASPHALT OVER THE FULL PAVEMENT CROSS SECTION.

19. THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE SURFACE OF EACH SUCCESSIVE NEW HOT-MIX ASPHALT COURSE PRIOR TO PLACEMENT OF THE NEXT HOT-MIX ASPHALT COURSE AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

20. ALL PIPE SLOPES ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. THE LENGTH OF PIPE WILL BE MEASURED PER ARTICLE 550.09.

21. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CITY.

22. POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

23. FRAMES, LIDS AND GRATES OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED OR REPLACED IN THIS PROJECT SHALL BE SALVAGED AND REMAIN THE PROPERTY OF THE CITY OF NORTH CHICAGO. THE CONTRACTOR SHALL DELIVER THESE CASTINGS TO A FACILITY DESIGNATED BY THE CITY.

24. THE CONTRACTOR SHALL BE REQUIRED TO MOVE ANY DECORATIVE ROCKS OR PAVE BRICKS THAT INTERFERE WITH CONSTRUCTION. UPON COMPLETION OF THE CONSTRUCTION, THE CONTRACTOR SHALL MOVE THESE ITEMS BACK TO THEIR ORIGINAL LOCATION AND TO THEIR ORIGINAL CONDITION. THIS WORK SHALL BE AS INCLUDED IN THE CONTRACT.

25. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS INDICATED OTHERWISE.

26. EXPENSE INVOLVED IN CONNECTING PROPOSED SEWERS TO EXISTING SEWERS/STRUCTURES OR PROPOSED STRUCTURES TO EXISTING SEWERS WITH A CONCRETE COLLAR OR AS SPECIFIED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE ITEM BEING CONNECTED.

27. ALL FRAMES WITH CLOSED LIDS FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD STORM; ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD SANITARY; ALL LIDS TO BE USED ON WATER SYSTEM STRUCTURES SHALL BEAR THE WORD WATER. THIS SHALL BE CONSIDERED INCLUDED WITH THE FRAME AND CLOSED LID PROVIDED.

28. ALL FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. INCLUDED WITH THE FRAME AND CLOSED LID PROVIDED.

29. ALL DIMENSIONS ARE FROM THE BASELINE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. ALL RADII SHOWN ARE FROM THE EDGE OF PAVEMENT (GUTTER FLAG).

30. ONLY PRECAST ADJUSTMENT RINGS WILL BE ALLOWED FOR THE ADJUSTMENTS OF CATCH BASINS, MANHOLES, VALVE VAULTS AND INLETS. NO MORE THAN 2 RINGS FOR A TOTAL ADJUSTMENT OF 8 INCHES WILL BE ALLOWED.

31. THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF ALL SIDEWALKS, CURB AND GUTTER, PAVEMENT AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO THE PROPOSED IMPROVEMENTS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE WORK SITE ON THE DAY OF ITS EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR HAULING THESE MATERIALS OUTSIDE THE PROJECT LIMITS.

32. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO (2) HOURS FROM THE TIME OF NOTIFICATION.

33. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIUM ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

34. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC., SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.

35. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXCAVATION TRENCHES DURING THE INSTALLATION OF STORM SEWER, WATER MAIN, AND SANITARY SEWER TO INCLUDE ANY SHORING OR DEWATERING EQUIPMENT NECESSARY. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

36. WHERE REQUIRED BY RESTRICTIVE DEPTHS, PRECAST REINFORCED CONCRETE FLAT SLAB TOPS SHALL BE USED FOR MANHOLES AND CATCH BASINS.

37. THE CONTRACTOR SHALL CONTROL DUST RESULTING FROM CONSTRUCTION OPERATIONS BY APPLYING A UNIFORM APPLICATION OF SPRINKLED WATER AS REQUIRED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

38. OFFSETS AND TOP OF FRAME ELEVATIONS FOR CATCH BASINS AND INLETS WHICH ARE LOCATED IN THE GUTTER ARE GIVEN TO THE FLOWLINE. OFFSETS AND ELEVATIONS FOR STRUCTURES NOT LOCATED IN THE GUTTER ARE TO THE CENTER OF STRUCTURE.

39. 24 HOUR NOTICE:
THE CONTRACTOR SHALL NOTIFY THE NORTH SHORE SANITARY DISTRICT AT 847-623-6060 A MINIMUM OF 24 HOURS PRIOR TO THE START OF CONSTRUCTION

40. TV NOTE:
ALL SANITARY SEWER EXTENSIONS SHALL BE TELEVISED IN THE PRESENCE OF NORTH SHORE SANITARY DISTRICT PERSONNEL AFTER HAVING NOTIFIED THE DISTRICT AT 847-623-6060 A MINIMUM OF 24 HOURS PRIOR TO TELEVISIONING. A COPY OF THE TAPES IN VHS FORMAT IS TO BE SUBMITTED TO THE DISTRICT FOR APPROVAL.

41. BEDDING NOTE:
ALL SANITARY SEWER PIPE WILL BE BEDDED WITH A MINIMUM OF 6" BELOW THE PIPE AND 12" ABOVE THE PIPE IN CRUSHED STONE, GRADATION CA-6 (CLASS 1B PER ASTM D2321-00). CRUSHED STONE, GRADATION CA-7 (CLASS 1A PER ASTM D3221-00) MAY BE ALLOWED AT THE DISCRETION OF THE DISTRICT IF EXTREMELY WET CONDITIONS ARE ENCOUNTERED. THESE ARE THE ONLY ACCEPTABLE MATERIALS WITHIN THE BOUNDARIES OF THE NORTH SHORE SANITARY DISTRICT.

DATE: 6/30/2008
TIME: 2:28:29 PM
FILENAME: N:\PROJ\0516\Design\Misc\Sheets\51611-GenNotes.dgn

REVISIONS	
NAME	DATE

Glomba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@glomba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

GENERAL NOTES

SCALE: N.T.S. DRAWN BY: KMS
DATE: APRIL, 2008 CHECKED BY: MJL

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	169	169			
20101100	TREE TRUNK PROTECTION	EACH	26	26			
20200100	EARTH EXCAVATION	CU YD	11,613	11,613			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,144	1,144			
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1,000	1,000			
20800150	TRENCH BACKFILL	CU YD	23,249	6,517			16,732
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8,500	8,500			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,122	5,122			
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	64	64			
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	64	64			
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	64	64			
* 25200110	SODDING, SALT TOLERANT	SQ YD	5,122	5,122			
28000400	PERIMETER EROSION BARRIER	FOOT	11,634	11,634			
28000510	INLET FILTERS	EACH	178	178			
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	6,182	6,182			
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	653	653			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1,000	1,000			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	17	17			
40600300	AGGREGATE (PRIME COAT)	TON	83	83			
40600535	LEVELING BINDER (HAND METHOD), N70	TON	10	10			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	85	85			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	60	60			
40701901	HOT-MIX ASPHALT PAVEMENT, (FULL-DEPTH), 11"	SQ YD	41,700	41,700			
42001300	PROTECTIVE COAT	SQ YD	11,154	11,154			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	185	185			

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,657	1,657			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	56,964	56,964			
42400800	DETECTABLE WARNINGS	SQ FT	696	696			
44000100	PAVEMENT REMOVAL	SQ YD	41,700	41,700			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,763	1,763			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	12,955	12,955			
44000600	SIDEWALK REMOVAL	SQ FT	53,042	53,042			
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	4				4
44003100	MEDIAN REMOVAL	SQ FT	280	280			
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	9				9
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	321	271			50
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	41	41			
50104600	CONCRETE RETAINING WALL REMOVAL	FOOT	123	123			
50900605	HANDRAIL REMOVAL	FOOT	103	103			
50901760	PIPE HANDRAIL	FOOT	103	103			
550A2190	STORM SEWERS, CLASS A, DRILLED OR PUSHED 36"	FOOT	120	120			
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	378	378			
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	62	62			
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	824	824			
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	62	62			
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	52	52			

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(1) = Y080

DATE: 7/9/2008
TIME: 9:38:40 AM
FILENAME: N:\PECO\15161\Design\Misc\Sheets\15161-S00-01.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
550A2570	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 27"	FOOT	162	162			
550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	56	56			
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	154	154			
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL IV 12"	FOOT	790	790			
55019900	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL IV 24"	FOOT	126	126			
55020000	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL IV 27"	FOOT	151	151			
55020100	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 30"	FOOT	163	163			
55020300	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 36"	FOOT	94	94			
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 12"	FOOT	1,806	1,806			
55021700	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 15"	FOOT	125	125			
55021800	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 18"	FOOT	75	75			
55022100	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 27"	FOOT	652	652			
55022200	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 30"	FOOT	633	633			
55022400	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 36"	FOOT	1,305	1,305			
55022500	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, & SEWER PIPE, CL III 42"	FOOT	368	368			
55100300	STORM SEWER REMOVAL 8"	FOOT	40	40			
55100400	STORM SEWER REMOVAL 10"	FOOT	267	267			
55100500	STORM SEWER REMOVAL 12"	FOOT	443	443			
55100900	STORM SEWER REMOVAL 18"	FOOT	197	197			
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	14				14
60107600	PIPE UNDERDRAINS 4"	FOOT	1,068	1,068			
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	8	8			
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	24	24			
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	10	10			

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	68	68			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	21	21			
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	22	22			
60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20				20
60228120	MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6				6
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1			
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	16	16			
60240327	INLETS, TYPE B, TYPE 23 FRAME AND GRATE	EACH	2	2			
60249120	VALVE VAULTS, 5' DIAMETER	EACH	24				24
60249400	VALVE BOXES 6"	EACH	2				2
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4			
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60266500	VALVE VAULTS TO BE REMOVED	EACH	3				3
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2			
60500040	REMOVING MANHOLES	EACH	15	15			
60500050	REMOVING CATCH BASINS	EACH	15	15			
60500060	REMOVING INLETS	EACH	41	41			
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1	1			
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	36	36			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	13,788	13,788			
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	179	179			

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(I) = Y080

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

DATE: 7/16/2008
TIME: 11:44:23 AM
FILENAME: N:\PROJ\15161\Design\Misc\Sheets\5161-SQ-02.dgn

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
60624600	CORRUGATED MEDIAN	SQ FT	73	73			
63200310	GUARDRAIL REMOVAL	FOOT	545	545			
66400305	CHAIN LINK FENCE, 6'	FOOT	1,091	1,091			
▪ 66900205	SPECIAL WASTE DISPOSAL	CU YD	4,500	3,500			1,000
▪ 66900210	HAZARDOUS WASTE DISPOSAL	CU YD	700	400			300
▪ 66900400	SPECIAL WASTE GROUND WATER DISPOSAL	GALLON	18,000				18,000
▪ 66900425	HAZARDOUS WASTE GROUND WATER DISPOSAL	GALLON	935				935
▪ 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1				1
▪ 66900530	SOIL DISPOSAL ANALYSIS	EACH	20				20
▪ 66900535	PRIORITY POLLUTANTS GROUND WATER ANALYSIS	EACH	10				10
▪ 66901000	BACKFILL PLUGS	CU YD	24				24
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24			
67100100	MOBILIZATION	L SUM	1	1			
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	10,000	10,000			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	40,488	40,488			
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	1,105	1,105			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14,450	14,450			
72000100	SIGN PANEL - TYPE 1	SQ FT	258	258			
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	50	50			
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	5	5			
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9			
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1			
72900100	METAL POST - TYPE A	FOOT	207	207			

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
72900200	METAL POST - TYPE B	FOOT	337	337			
▪ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	468	468			
▪ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,359	18,359			
▪ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,611	2,611			
▪ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3,372	3,372			
▪ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	897	897			
▪ 78000610	THERMOPLASTIC PAVEMENT MARKING - LINE 16"	FOOT	405	405			
▪ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,105	1,105			
▪ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	470	470			
▪ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	3		3		
▪ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1		
▪ 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	3,750		3,750		
* 81400100	HANDHOLE	EACH	21			21	
* 81400300	DOUBLE HANDHOLE	EACH	4			4	
▪ 81702170	ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 1/C NO. 20	FOOT	840		840		
▪ 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	200		200		
▪ 82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	8		8		
▪ 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	8		8		
▪ 82103650	LUMINAIRE, SODIUM VAPOR, VERTICAL MOUNT, 310 WATT	EACH	82		82		
▪ 82500530	LIGHTING CONTROLLER CB-RCS 100 AMP-240 VOLT	EACH	3		3		
▪ 83009600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	8		8		
▪ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	450		450		

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(I) = Y080

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

DATE: 7/16/2008
TIME: 11:43:31 AM
FILENAME: N:\PRC\05161\Design\Misc\Sheets\5161-SQC-03.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	440		440		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2			2	
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1			1	
85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1			1	
86000105	MASTER CONTROLLER (SPECIAL)	EACH	1			1	
86400100	TRANSCEIVER - FIBER OPTIC	EACH	2			2	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,840			3,840	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,160			1,160	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,950			3,950	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,963			2,963	
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	171			171	
87704060	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	2			2	
87704100	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1			1	
87704110	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1			1	
87704120	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1			1	
87704130	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1			1	
87704170	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. (SPECIAL)	EACH	2			2	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24			24	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8			8	
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15			15	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	105			105	
87900200	DRILL EXISTING HANDHOLE	EACH	5			5	
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8			8	
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8			8	
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8			8	

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16			16	
88700200	LIGHT DETECTOR	EACH	2			2	
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2			2	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	14			14	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2			2	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1			1	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9,257			9,257	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2			2	
89502380	REMOVE EXISTING HANDHOLE	EACH	20			20	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18			18	
A2005616	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	14	14			
A2006816	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6			
* X0300020	WATER SERVICE CONNECTION	EACH	33			33	
X0301576	COAXIAL CABLE IN CONDUIT	FOOT	328			328	
* X0320374	PLUG EXISTING SANITARY SEWERS	EACH	3			3	
* X0320591	SANITARY MANHOLES TO BE REMOVED	EACH	20			20	
* X0321760	DOUBLE HANDHOLE REMOVAL	EACH	2			2	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	363	363			
* X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	5			5	
* X0322791	FILL EXISTING SANITARY SEWERS	CU YD	4			4	
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	3			
X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	8	8			

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(1) = Y080

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S.
DATE: APRIL, 2008

DRAWN BY: BWS
CHECKED BY: M.J.L.

	CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	17,917			17,917	
*	X0323449	REMOVE EXISTING WATER VALVE	EACH	3				3
*	X0324636	WATER VALVE BOXES TO BE ABANDONED	EACH	22				22
*	X0350800	BOLLARDS	EACH	2		2		
	X4420500	TEMPORARY PAVEMENT PATCH	SQ YD	8,198	4,705			3,493
*	X5640175	FIRE HYDRANT COMPLETE	EACH	14				14
*	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	2			2	
*	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	2			2	
*	X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	17,917			17,917	
*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,322			1,322	
*	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	832			832	
*	X8950115	RELOCATE LIGHT DETECTOR	EACH	2				2
*	X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	2				2
	XX001244	RETAINING WALL	FOOT	212	212			
*	XX002256	PLUG WATER MAIN, 6"	EACH	2				2
*	XX002982	GATE VALVES, 6"	EACH	2				2
*	XX003032	GATE VALVES, 12"	EACH	10				10
*	XX003338	TEST HOLE	EACH	65		65		
*	XX003516	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE)-8"	EACH	2				2
*	XX003517	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE)-6"	EACH	19				19
*	XX003553	VIDEO TRANSMISSION SYSTEM	EACH	2			2	
*	XX003662	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 3C	FOOT	314			314	
*	XX003803	SANITARY SEWER SERVICE 6"	FOOT	960				960
*	XX004051	LIGHT POLE, ORNAMENTAL	EACH	82		82		
*	XX004680	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14			14	
*	XX002356	REOPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1			1	

	CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
*	XX005107	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE)-12"	EACH	7				7
*	XX005280	DUCTILE IRON WATER MAIN, 8" (POLYETHYLENE WRAPPED)	FOOT	74				74
*	XX005485	STEEL CASING PIPE BORED AND JACKED 30"	FOOT	240				240
	XX005656	INLET FILTER CLEANING	FOOT	178	178			
*	XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	2			2	
*	XX005922	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16 5-1/2 PAIR	FOOT	1,725			1,725	
*	XX005928	TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1			1	
*	XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	5			5	
*	XX005937	L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	8			8	
*	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2			2	
*	XX006217	SANITARY SEWER SERVICE 8"	FOOT	60				60
*	XX006937	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	90		90		
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	45,530	45,530			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0022800	FENCE REMOVAL	FOOT	1,087	1,087			
*	Z0044500	PRESSURE CONNECTION 6" X 6"	EACH	2				2
*	Z0045000	PRESSURE CONNECTION 12" X 6"	EACH	1				1
*	Z0045100	PRESSURE CONNECTION 12" X 12"	EACH	2				2
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
*	Z0056900	SANITARY SEWER 8"	FOOT	1,256				1,256
*	Z0057100	SANITARY SEWER 12"	FOOT	980				980
*	Z0057200	SANITARY SEWER 15"	FOOT	1,623				1,623

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(1) = Y080

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

DATE: 7/11/2008
TIME: 1:55:41 PM
FILENAME: N:\PROJECTS\161\Design\MicroSheets\5181-S002-05.dgn

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
* Z0057300	SANITARY SEWER 18"	FOOT	1,052				1,052
* Z0057500	SANITARY SEWER 24"	FOOT	1,307				1,307
(1) Z0076600	TRAINEES	HOOR	4,000	4,000			
XX007665	PROPOSED STORM SEWER CONNECTION TO EXISTING CULVERT	EACH	1	1			
XX007666	UNIT DUCT, 600V, 7-1/C NO. 4, 1/C NO. 6 GROUND, (EPR-TYP RHW), 2" DIA, POLYETHYLENE	FOOT	13,250		13,250		
XX007667	ORNAMENTAL LUMINAIRE, SODIUM VAPOR, 70 WATT	EACH	82		82		
XX007709	CONDUIT IN GROUND 2" DIA., GALVANIZED STEEL	FOOT	10,439			10,439	
XX007710	CONDUIT IN GROUND 2 1/2" DIA., GALVANIZED STEEL	FOOT	136			136	
XX007711	CONDUIT IN GROUND 3" DIA., GALVANIZED STEEL	FOOT	149			149	
XX007712	CONDUIT IN GROUND 3 1/2" DIA., GALVANIZED STEEL	FOOT	193			193	
XX007713	CONDUIT IN GROUND 4" DIA., GALVANIZED STEEL	FOOT	37			37	
XX007714	CONDUIT IN GROUND 5" DIA., GALVANIZED STEEL	FOOT	329			329	
XX003113	BITUMENOUS PAVEMENT IMPROVING	SQ FT	8,325	8,325			
* XX007668	COPPER SERVICE, TYPE K 1" (TRENCHED)	FOOT	105				105
* XX007669	COPPER SERVICE, TYPE K 1", BORED	FOOT	262				262
* XX007670	COPPER SERVICE, TYPE K 2" (TRENCHED)	FOOT	310				310
* XX007671	COPPER SERVICE, TYPE K 2", BORED	FOOT	523				523
* XX007672	DUCTILE IRON WATER MAIN 6", POLYETHYLENE WRAPPED	FOOT	716				716
* XX007673	DUCTILE IRON WATER MAIN 12", POLYETHYLENE WRAPPED	FOOT	3,179				3,179
* XX007674	DUCTILE IRON WATER MAIN 16", POLYETHYLENE WRAPPED	FOOT	1,527				1,527
* XX007675	DUCTILE IRON WATER MAIN WITH VYTON GASKETS, 12"	FOOT	120				120
* XX007676	DUCTILE IRON WATER MAIN WITH VYTON GASKETS, 16"	FOOT	900				900
* XX007677	VYTON GASKETS MJ, 6"	EACH	7				7
* XX007678	VYTON GASKETS MJ, 12"	EACH	7				7
* XX007679	VYTON GASKETS MJ, 16"	EACH	20				20

CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
* XX007680	DUCTILE IRON WATER MAIN, PUSHED IN STEEL CASING, 16"	FOOT	120				120
* XX007681	DUCTILE IRON WATER MAIN BEND, 11-1/4 DEGREE, 12 INCHES (POLYETHYLENE WRAPPED)	EACH	2				2
* XX007696	DUCTILE IRON WATER MAIN BEND, 22 1/2 DEGREE, 12 INCHES (POLYETHYLENE WRAPPED)	EACH	2				2
* XX007697	DUCTILE IRON WATER MAIN BEND, 45 DEGREE, 6 INCHES (POLYETHYLENE WRAPPED)	EACH	1				1
* XX007698	DUCTILE IRON WATER MAIN BEND, 45 DEGREE, 12 INCHES (POLYETHYLENE WRAPPED)	EACH	2				2
* XX007699	DUCTILE IRON WATER MAIN BEND, 45 DEGREE, 16 INCHES (POLYETHYLENE WRAPPED)	EACH	2				2
* XX007700	DUCTILE IRON WATER MAIN BEND, 90 DEGREE, 6 INCHES (POLYETHYLENE WRAPPED)	EACH	2				2
* XX007701	DUCTILE IRON WATER MAIN CROSS, 12" X 6" (POLYETHYLENE WRAPPED)	EACH	1				1
* XX007702	DUCTILE IRON WATER MAIN CROSS, 12" X 8" (POLYETHYLENE WRAPPED)	EACH	1				1
* XX007703	DUCTILE IRON WATER MAIN CROSS, 12" X 12" (POLYETHYLENE WRAPPED)	EACH	1				1
* XX007704	DUCTILE IRON WATER MAIN CROSS, 16" X 6" (POLYETHYLENE WRAPPED)	EACH	1				1
* XX007705	DUCTILE IRON WATER MAIN REDUCER, 16" X 12" (POLYETHYLENE WRAPPED)	EACH	1				1
* XX007706	DUCTILE IRON WATER MAIN TEE, 12" X 6" (POLYETHYLENE WRAPPED)	EACH	11				11
* XX007707	DUCTILE IRON WATER MAIN TEE, 16" X 6" (POLYETHYLENE WRAPPED)	EACH	4				4
* XX007708	DUCTILE IRON WATER MAIN TEE, 16" X 12" (POLYETHYLENE WRAPPED)	EACH	4				4
* XX007682	GATE VALVES 16"	EACH	9				9
* XX007683	WATER VALVE AND BOX TO BE REMOVED	EACH	16				16
* XX007684	FILL EXISTING WATER MAINS	CU YD	2				2
* XX007685	MANHOLES, SANITARY WITH OUTSIDE DROP CONNECTION, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3				3
* XX007686	MANHOLES, SANITARY WITH OUTSIDE DROP CONNECTION, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1				1
* XX007687	SANITARY SEWERS PUSHED IN STEEL CASING, 18"	FOOT	120				120
* XX007688	PVC TEE, 8" X 6"	EACH	3				3

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(1) = Y080

REVISIONS	
NAME	DATE

GC Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60658
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

	CODE NO.	DESCRIPTION	UNIT	TOTAL QTY	ROADWAY 1000-2A	Y030-1E	Y031-1F	100% NORTH CHICAGO Y060
*	XX007689	PVC TEE, 12" X 6"	EACH	8				8
*	XX007690	PVC TEE, 15" X 6"	EACH	14				14
*	XX007691	PVC TEE, 18" X 6"	EACH	2				2
*	XX007692	PVC TEE, 18" X 8"	EACH	1				1
*	XX007693	PVC TEE, 24" X 8"	EACH	1				1
*	XX007694	SANITARY SEWER BYPASS PUMPING	HOUR	500				500
*	XX001470	SANITARY SERVICE CONNECTION	EACH	29				29
*	XX007638	CONNECTION TO EXISTING WATER MAINS (NON-PRESSURE) - 16"	EACH	1				1
*	XX007695	STEEL CASING PIPE BORED AND JACKED 54"	FOOT	120	120			

CONSTRUCTION TYPE CODE: * = SPECIALTY ITEM
(1) = Y080

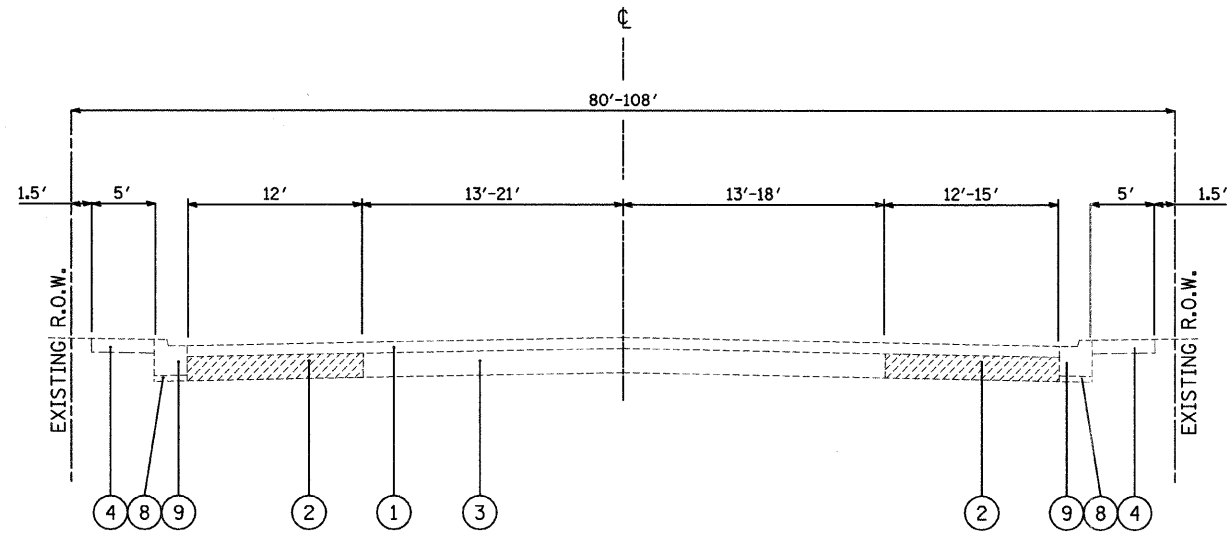
REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

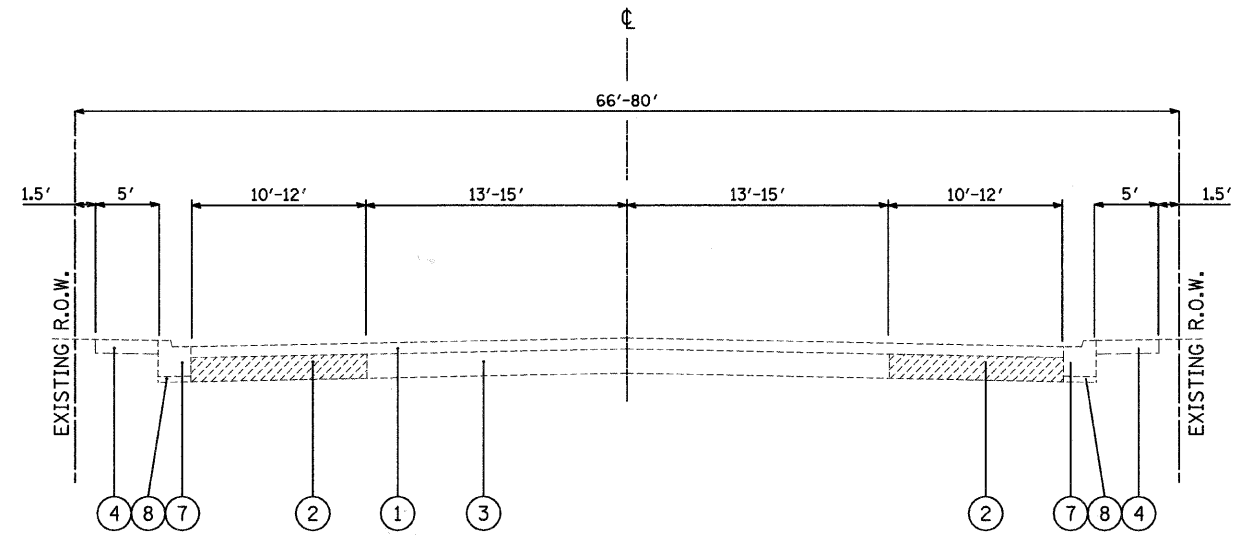
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: M.J.L.



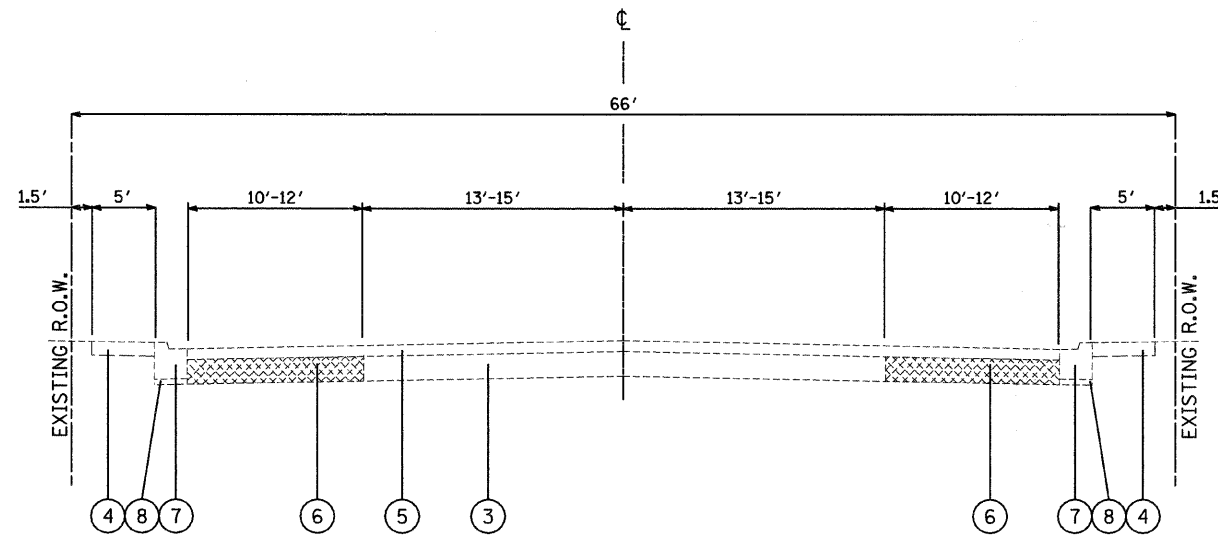
EXISTING TYPICAL SECTION
MARTIN LUTHER KING JR. DRIVE
STA. 206+75 TO STA. 211+22



EXISTING TYPICAL SECTION
MARTIN LUTHER KING JR. DRIVE
STA. 211+22 TO STA. 232+50

EXISTING LEGEND

- ① EXISTING HOT-MIX ASPHALT OVERLAY, 5"±
- ② EXISTING HOT-MIX ASPHALT BASE, 8.5"±
- ③ EXISTING P.C.C. PAVEMENT, 9"±
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ EXISTING HOT-MIX ASPHALT OVERLAY, 6"±
- ⑥ EXISTING AGGREGATE BASE, 10.5"±
- ⑦ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- ⑨ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24



EXISTING TYPICAL SECTION
MARTIN LUTHER KING JR. DRIVE
STA. 232+50 TO STA. 267+00

DATE: 6/30/2008
TIME: 2:25:04 PM
FILENAME: N:\PROJ\161\Design\Misc\Sheets\161-Typical-Sections.dgn

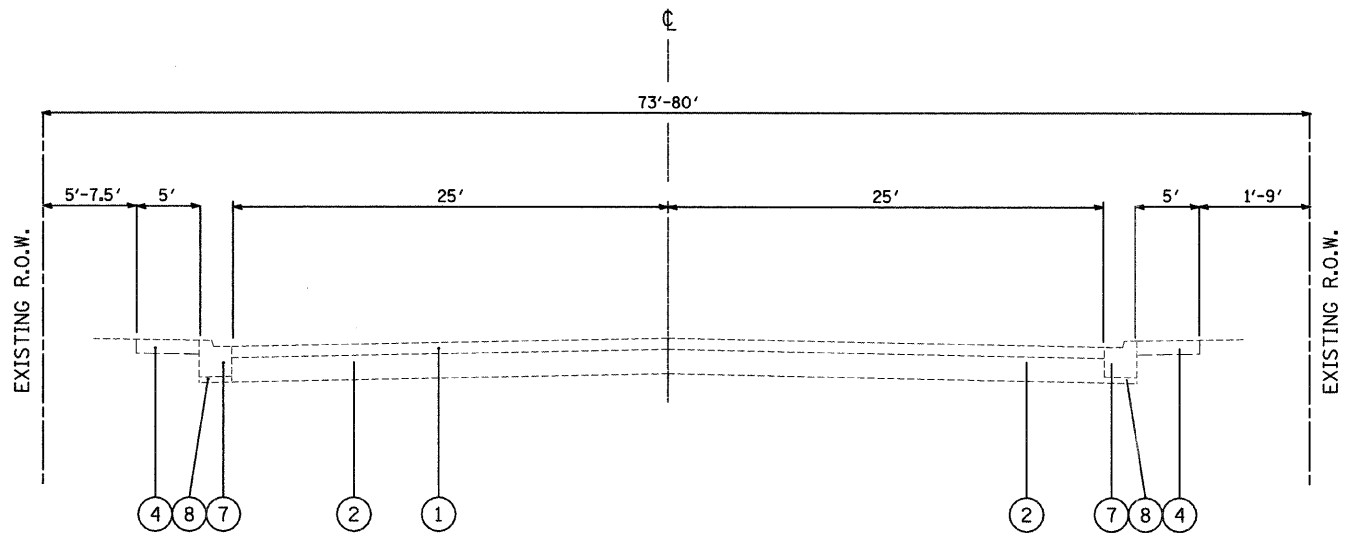
REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

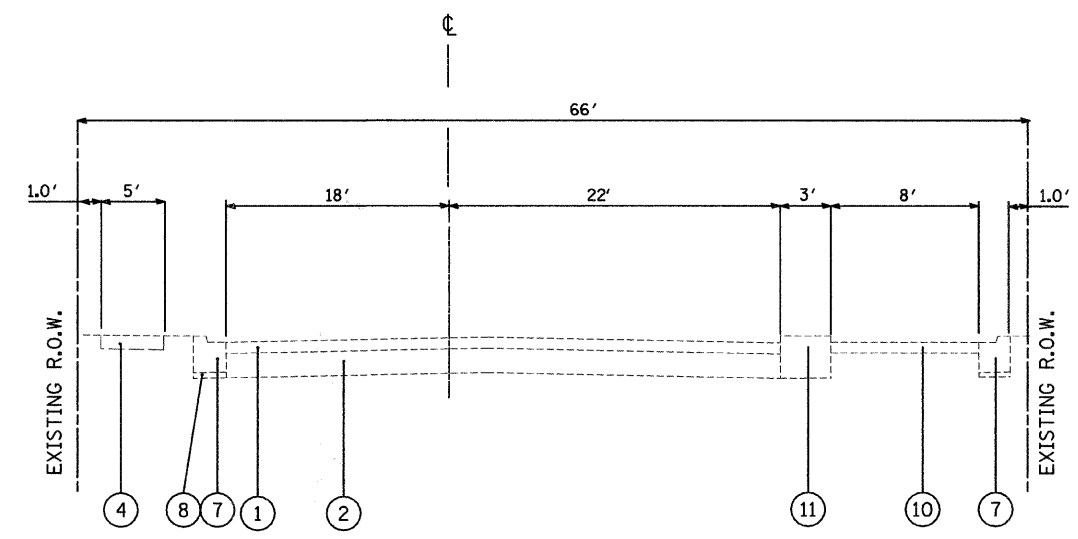
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EXISTING TYPICAL SECTIONS
STA. 208+00 TO STA. 267+00

SCALE: N.T.S
DATE: APRIL, 2008

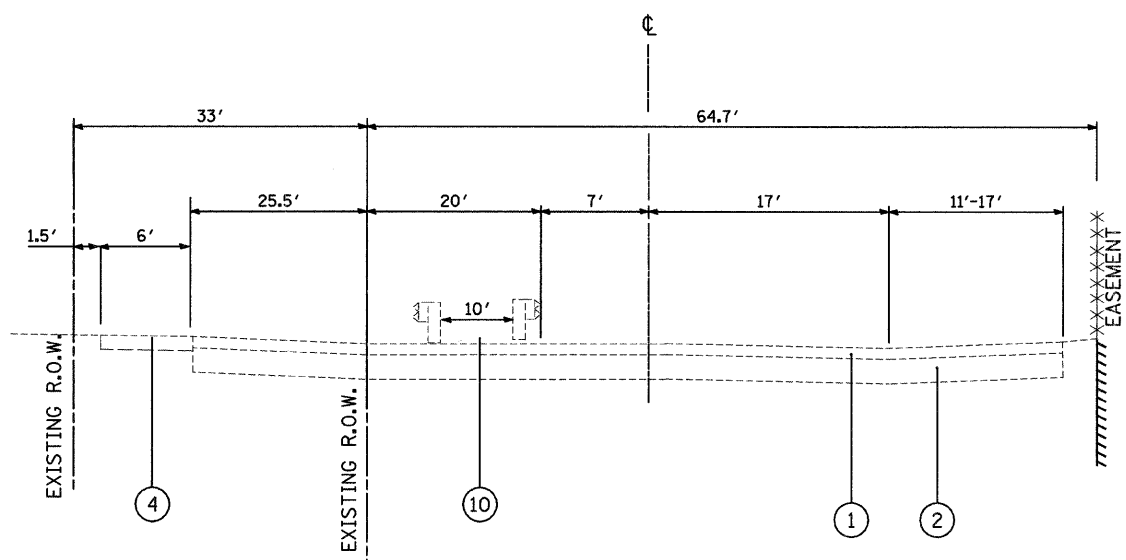
DRAWN BY: KMS
CHECKED BY: MJL



EXISTING TYPICAL SECTION
LEWIS AVENUE
STA. 100+00 TO STA. 104+00



EXISTING TYPICAL SECTION
COMMONWEALTH AVE.
STA. 171+15 TO STA. 172+61



EXISTING TYPICAL SECTION
COMMONWEALTH AVENUE
STA. 172+61 TO STA. 178+00

EXISTING LEGEND

- ① EXISTING HOT-MIX ASPHALT OVERLAY, 5"±
- ② EXISTING HOT-MIX ASPHALT BASE, 8.5"±
- ③ EXISTING P.C.C. PAVEMENT, 9"±
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ EXISTING HOT-MIX ASPHALT OVERLAY, 6"±
- ⑥ EXISTING AGGREGATE BASE, 10.5"±
- ⑦ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- ⑨ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑩ EXISTING BIKE PATH
- ⑪ EXISTING P.C.C. MEDIAN

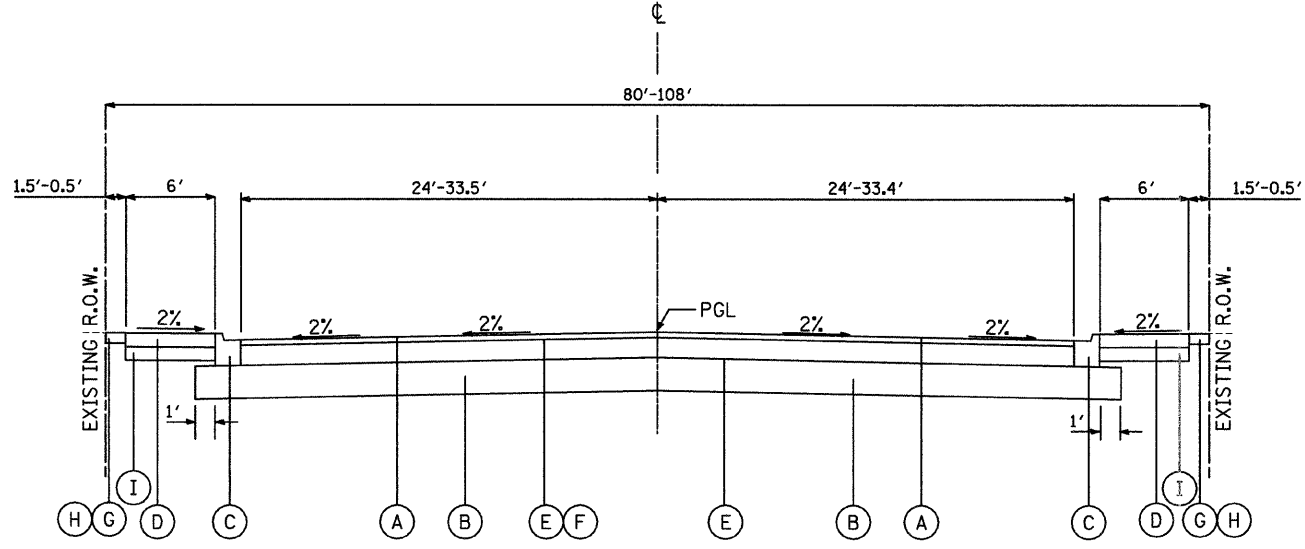
DATE: 6/30/2008
TIME: 2:25:20 PM
FILENAME: N:\PROJ\5161\Design\Misc\Sheets\5161-Typical-Sections.dgn

REVISIONS	
NAME	DATE

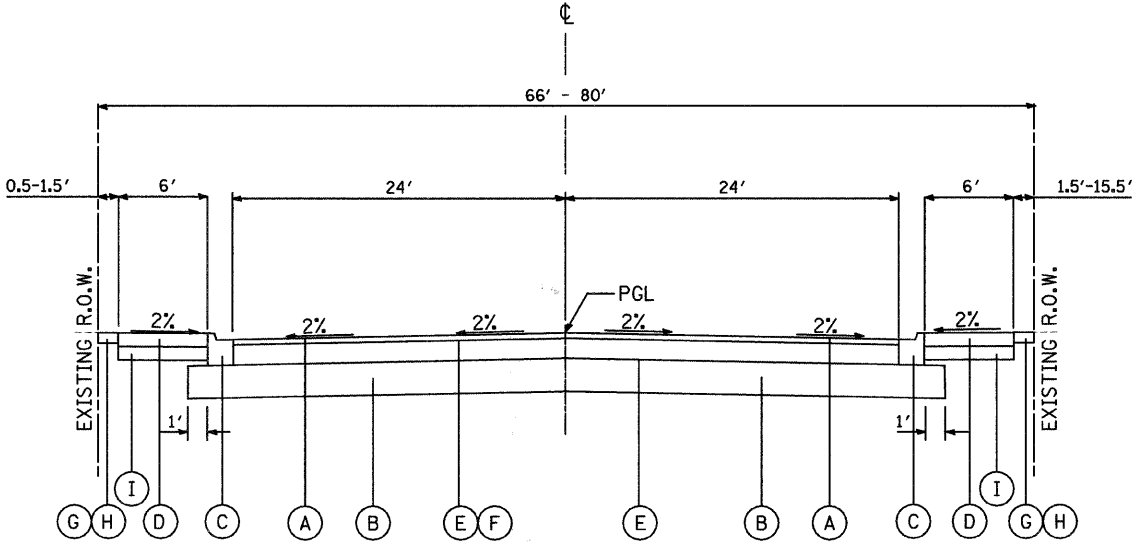
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
LEWIS AVE AND COMMONWEALTH AVE
EXISTING TYPICAL SECTIONS

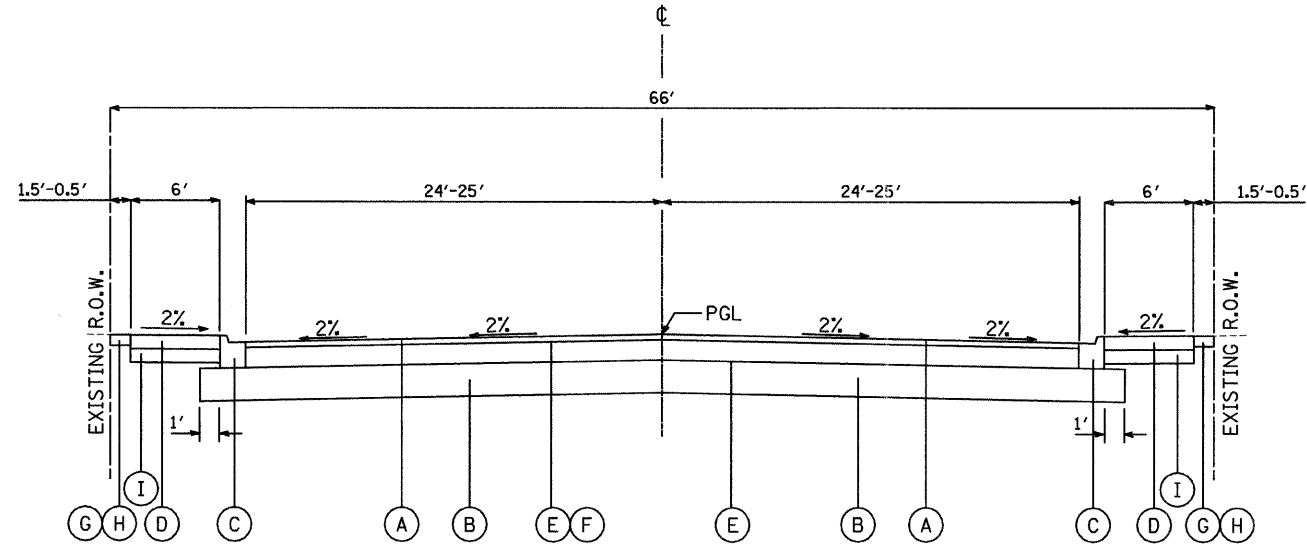
SCALE: N.T.S. DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL



PROPOSED TYPICAL SECTION
MARTIN LUTHER KING JR. DRIVE
STA. 206+75 TO STA. 211+30.30



PROPOSED TYPICAL SECTION
MARTIN LUTHER KING JR. DRIVE
STA. 211+30.30 TO STA. 226+50.37
STA. 238+77.54 TO STA. 264+08.07*
(*OMISSION FROM STA. 247+52.51 TO STA. 247+62.74)



PROPOSED TYPICAL SECTION
MARTIN LUTHER KING JR. DRIVE
STA. 226+50.37 TO STA. 238+77.54

- PROPOSED LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT, (FULL-DEPTH), 11" (2" SURFACE, 9" BINDER)
 - (B) AGGREGATE SUBGRADE, 12"
 - (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (D) P.C.C. SIDEWALK, 5"
 - (E) BITUMINOUS MATERIALS (PRIME COAT)
 - (F) AGGREGATE (PRIME COAT)
 - (G) TOPSOIL FURNISH AND PLACE, 4"
 - (H) SODDING, SALT TOLERANT
 - (I) SUB-BASE GRANULAR MATERIAL, TYPE B 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATIONS	ITEM	AC TYPE	VOIDS
BIKE PATH	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @70 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22*	4% @70 GYR.
ROADWAY RECONSTRUCTION	HOT-MIX ASPHALT PAVEMENT, (FULL-DEPTH), 11" 2" SURFACE COURSE, MIX D, N70 (IL 9.5 mm) 9" BINDER COURSE, IL-19.0, N70	PG 64-22 PG 64-22*	4% @70 GYR. 4% @70 GYR.
	LEVELING BINDER (HAND METHOD), N70 (IL 9.5 mm)	PG 64-22*	4% @70 GYR.
	SHOULDER RECON	HOT-MIX ASPHALT SHOULDERS, 6"	PG 64-22*
PATCHING	CLASS D PATCHES, 11" (HMA BINDER IL-19 mm)	PG 64-22*	4% @70 GYR.
	TEMPORARY PAVEMENT PATCH, 6" (HMA BINDER IL-19 mm)	PG 64-22*	4% @70 GYR.

NOTE: THE UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY PER INCH THICKNESS

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

MARTIN LUTHER KING JR. DRIVE

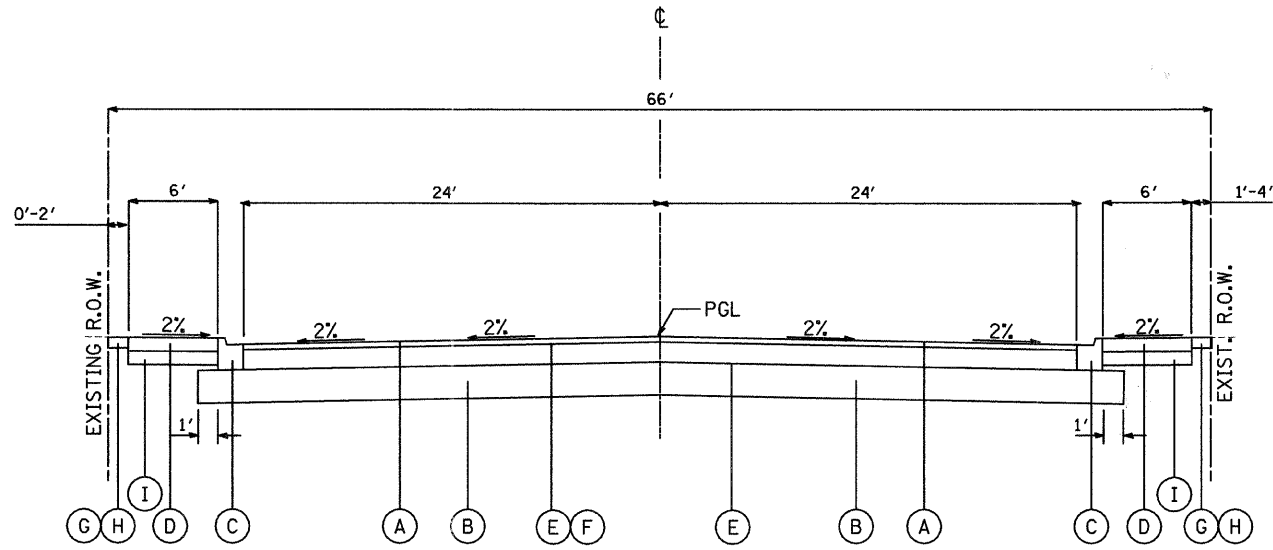
STRUCTURAL DESIGN FACTOR: YEAR 2030
 PV = 12.480 SU = 260 MU = 260
 ROAD/STREET CLASSIFICATION: CLASS I
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 96 S = 2 M = 2
 TRAFFIC FACTOR: ACTUAL TF = 1.74 AC TYPE = PG 64-22
 MINIMUM TF = 0.5
 AC GRADE: BINDER = PG 64-22 SURFACE = PG 64-22
 SUBGRADE SUPPORT RATING:
 SSR = POOR (STA. 206+75 TO STA. 267+00)
 IBR = 3.0 (STA. 206+75 TO STA. 267+00)

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED TYPICAL SECTIONS
STA. 208+00.00 TO STA. 253+14.00

SCALE: N.T.S. DRAWN BY: KMS
DATE: APRIL, 2008 CHECKED BY: MJL



PROPOSED LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT, (FUL-DEPTH), 11" (2" SURFACE, 9" BINDER)
- (B) AGGREGATE SUBGRADE, 12"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) P.C.C. SIDEWALK, 5"
- (E) BITUMINOUS MATERIALS (PRIME COAT)
- (F) AGGREGATE (PRIME COAT)
- (G) TOPSOIL FURNISH AND PLACE, 4"
- (H) SODDING, SALT TOLERANT
- (I) SUB-BASE GRANULAR MATERIAL, TYPE B 4"

PROPOSED TYPICAL SECTION

MARTIN LUTHER KING JR. DRIVE
STA. 264+08.07 TO STA. 267+00.00

DATE: 6/30/2008
TIME: 2:25:47 PM
FILENAME: N:\PROJ\5161\Design\Misc\Sheets\5161-Typical Sections.dgn

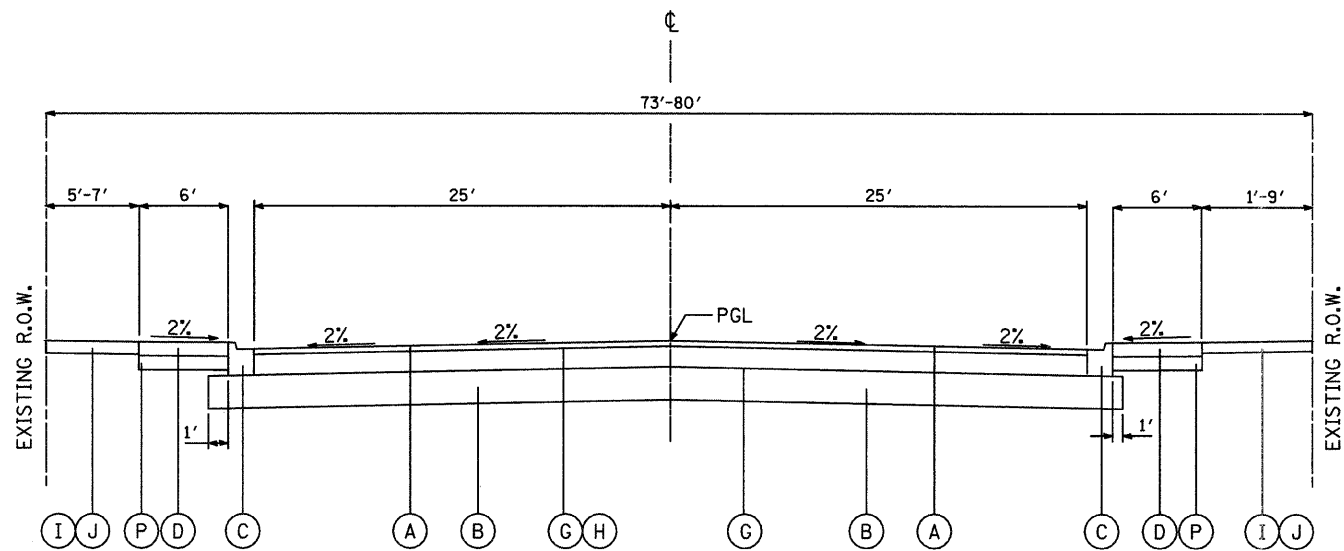
REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

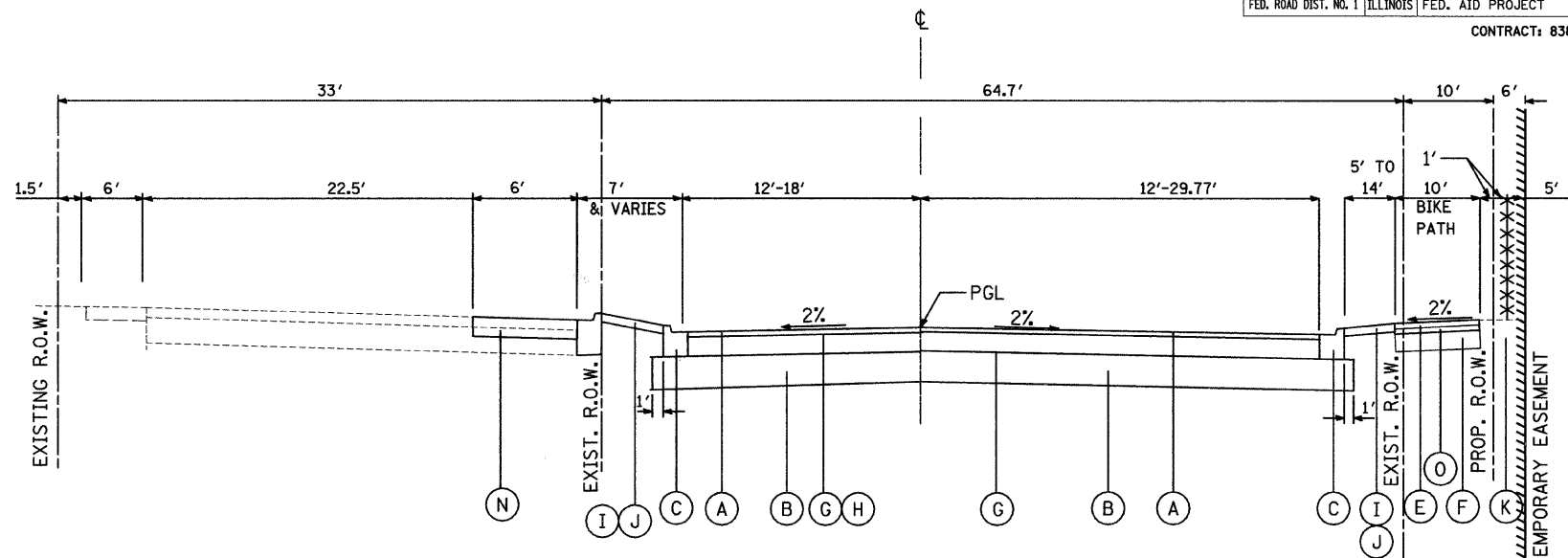
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

MARTIN LUTHER KING JR. DRIVE
PROPOSED TYPICAL SECTIONS
STA. 253+14.00 TO STA. 267+00.00

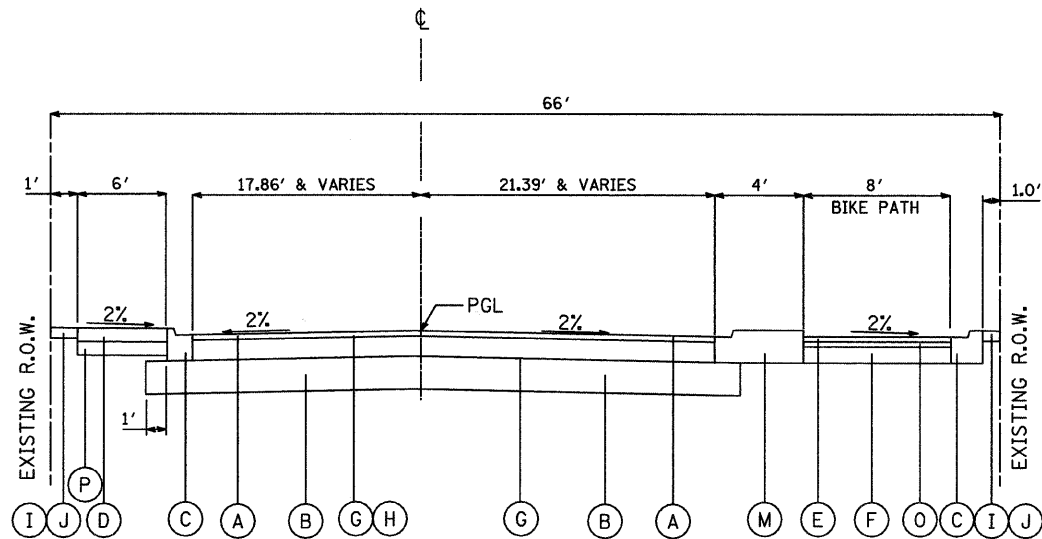
SCALE: N.T.S
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL



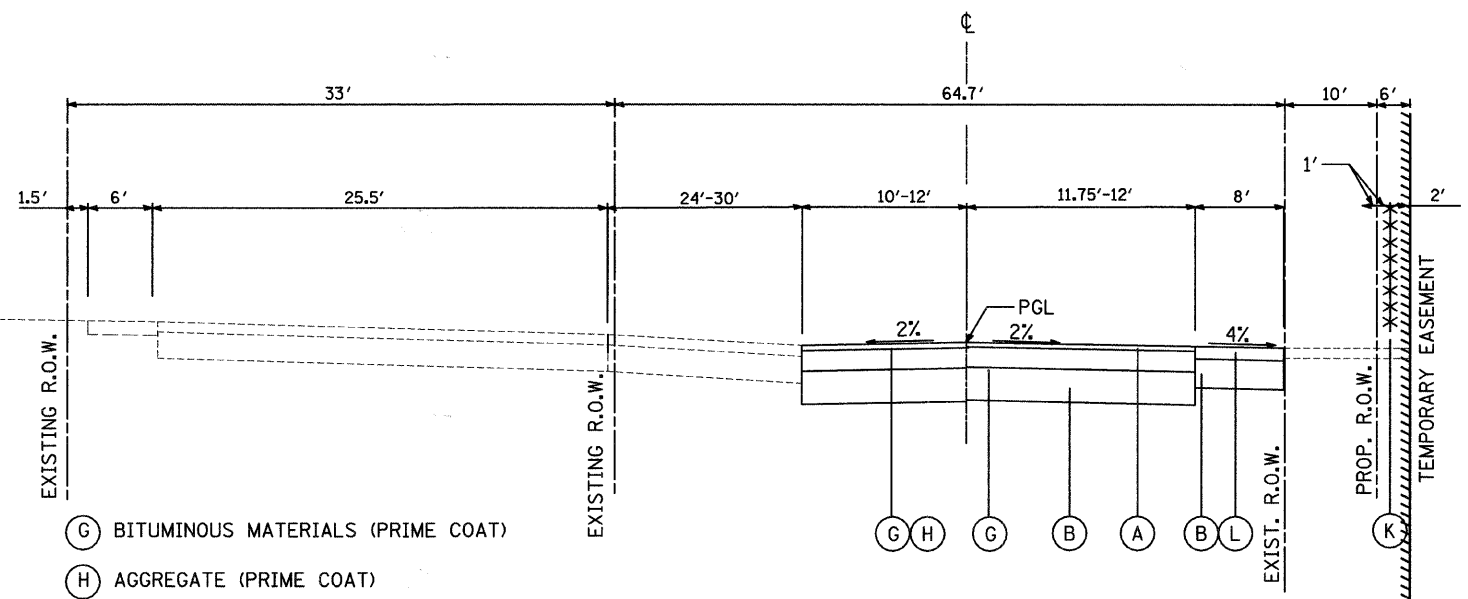
PROPOSED TYPICAL SECTION
LEWIS AVENUE
STA. 100+00 TO STA. 104+00



PROPOSED TYPICAL SECTION
COMMONWEALTH AVENUE
STA. 171+81.71 TO STA. 177+00



PROPOSED TYPICAL SECTION
COMMONWEALTH AVE.
STA. 171+14.84 TO STA. 171+81.71



PROPOSED TYPICAL SECTION
COMMONWEALTH AVENUE
STA. 177+00 TO STA. 178+00

- PROPOSED LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT, (FULL-DEPTH), 11" (2" SURFACE, 9" BINDER)
 - (B) AGGREGATE SUBGRADE, 12"
 - (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (D) P.C.C. SIDEWALK, 5"
 - (E) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 - (F) AGGREGATE BASE COURSE, TYPE A, 6"

- (G) BITUMINOUS MATERIALS (PRIME COAT)
- (H) AGGREGATE (PRIME COAT)
- (I) TOPSOIL FURNISH AND PLACE, 4"
- (J) SODDING, SALT TOLERANT
- (K) CHAIN LINK FENCE, 6"
- (L) HOT-MIX ASPHALT SHOULDERS, 6"
- (M) CONCRETE MEDIAN, TYPE SB-6.12
- (N) CLASS D PATCHES, TYPE IV, 11 INCH
- (O) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (P) SUB-BASE GRANULAR MATERIAL, TYPE B 4"

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60666
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

LEWIS AND COMMONWEALTH AVENUE
PROPOSED TYPICAL SECTIONS

SCALE: N.T.S.
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: M.J.L.

GUARD RAIL REMOVAL

LOCATION	(FOOT)
STA. 173+10 TO STA. 176+10, 15' LT	545
TOTAL	545

REMOVING INLETS TO MAINTAIN FLOW

LOCATION	(EACH)
STA. 229+00, 26' LT	1
TOTAL	1

REMOVING CATCH BASINS

LOCATION	(EACH)
STA. 209+20, 2' RT	1
STA. 212+46, 25' LT	1
STA. 215+88, 26' LT	1
STA. 219+28, 32' RT	1
STA. 236+06, 36' LT	1
STA. 236+06, 37' RT	1
STA. 239+29, 29' RT	1
STA. 239+29, 21' RT	1
STA. 242+60, 43' LT	1
STA. 255+20, 25' RT	1
STA. 257+78, 26' LT	1
STA. 264+03, 21' LT	1
COMMONWEALTH AVENUE	
STA. 171+94, 33' LT	1
STA. 175+05, 10' LT	1
STA. 175+06, 15' RT	1
TOTAL	15

STORM SEWER REMOVAL

LOCATION	(FOOT)
STORM SEWER REMOVAL, 8"	
STA. 245+53, 26' RT TO STA. 245+52, 10' LT	40
STORM SEWER REMOVAL, 10"	
STA. 236+00, 37' LT TO STA. 236+10, 14' RT	36
STA. 238+96, 42' RT TO STA. 239+31, 41' RT	31
STA. 238+97, 42' LT TO STA. 239+32, 41' LT	30
STA. 239+32, 41' LT TO STA. 239+31, 41' RT	82
STA. 239+32, 42' LT TO STA. 239+30, 18' RT	34
STA. 245+84, 27' LT TO STA. 245+84, 42' LT	15
STA. 255+19, 28' RT TO STA. 255+21, 14' RT	9
STA. 258+71, 13' LT TO STA. 258+70, 1' LT	12
STA. 264+03, 21' LT TO STA. 264+14, 19' LT	13
STA. 264+05, 25' RT TO STA. 264+04, 20' RT	5
STORM SEWER REMOVAL, 12"	
STA. 209+10, 32' RT TO STA. 209+13, 38' RT	5
STA. 209+13, 38' RT TO STA. 209+20, 2' RT	41
STA. 209+14, 41' LT TO STA. 209+24, 38' LT	12
STA. 209+20, 2' RT TO STA. 209+26, 39' LT	39
STA. 209+26, 39' LT TO STA. 209+51, 48' LT	21
STA. 209+51, 48' LT TO STA. 209+87, 50' LT	34
STA. 242+22, 41' RT TO STA. 242+63, 41' RT	38
STA. 257+96, 25' RT TO STA. 172+06, 24' LT	35
STA. 260+29, 31' RT TO STA. 260+41, 27' RT	5
STA. 264+82, 16' LT TO STA. 266+40, 16' LT	161
STA. 266+40, 16' LT TO STA. 266+58, 15' LT	17
STA. 266+58, 15' LT TO STA. 267+50, 15' LT	17
COMMONWEALTH AVENUE	
STA. 175+05, 1' RT TO STA. 175+05, 10' LT	8
STA. 175+05, 1' RT TO STA. 175+07, 15' RT	10
STORM SEWER REMOVAL, 18"	
STA. 257+96, 25' RT TO STA. 258+71, 14' RT	84
STA. 258+71, 14' RT TO STA. 259+83, 30' LT	113

CONCRETE RETAINING WALL REMOVAL

LOCATION	(FOOT)
STA. 102+54, 33' RT TO STA. 233+11, 33' LT	42
STA. 247+81, 31' RT TO STA. 248+62, 31' RT	81
TOTAL	123

SIDEWALK REMOVAL

LOCATION	(SQ. FT.)
STA. 208+00 TO STA. 209+45, LT	713
STA. 209+95 TO STA. 212+69, LT	1305
STA. 210+05 TO STA. 212+70, RT	1311
STA. 213+20 TO STA. 214+80, LT	721
STA. 213+21 TO STA. 215+98, RT	1200
STA. 215+11 TO STA. 215+38, LT	130
STA. 215+77 TO STA. 215+95, LT	165
STA. 216+47 TO STA. 219+25, LT	1330
STA. 216+50 TO STA. 217+87, RT	700
STA. 219+74 TO STA. 222+52, LT	1115
STA. 219+75 TO STA. 222+52, RT	1207
STA. 224+42 TO STA. 225+79, LT	740
STA. 223+03 TO STA. 225+00, RT	750
STA. 226+29 TO STA. 227+84, LT	772
STA. 226+31 TO STA. 227+20, RT	449
STA. 227+28 TO STA. 227+55, RT	130
STA. 227+66 TO STA. 229+10, RT	712
STA. 228+10 TO STA. 229+07, LT	558
STA. 229+59, RT TO STA. 100+81, LT	1266
STA. 229+78, LT TO STA. 102+52, LT	1293
STA. 236+14 TO STA. 238+94, LT	1670
STA. 236+14 TO STA. 238+88, RT	1307
STA. 239+36 TO STA. 242+16, LT	1731
STA. 239+39 TO STA. 242+16, RT	1583
STA. 242+66 TO STA. 245+41, LT	1759
STA. 242+66 TO STA. 247+37, RT	3353
STA. 245+92 TO STA. 246+78, LT	584
STA. 247+09 TO STA. 247+69, LT	364
STA. 247+47 TO STA. 248+77, RT	780
STA. 247+79 TO STA. 257+30, LT	4773
STA. 249+10, RT TO STA. 171+51, LT	5130
STA. 258+64 TO STA. 267+00, LT	4603
STA. 258+80 TO STA. 267+00, RT	4393
LEWIS AVENUE	
STA. 100+00, RT TO STA. 235+64, RT	2598
STA. 102+58, RT TO STA. 235+62, LT	1663
STA. 102+88, LT TO STA. 103+16, LT	149
STA. 103+51 TO STA. 103+58, LT	35
TOTAL	53,042

COMBINATION CURB AND GUTTER REMOVAL

LOCATION	(FOOT)
STA. 206+75 TO STA. 208+00, LT	126
STA. 206+75 TO STA. 208+00, RT	125
STA. 208+00 TO STA. 209+54, LT	212
STA. 208+00 TO STA. 209+58, RT	173
STA. 209+86 TO STA. 212+79, LT	330
STA. 209+93 TO STA. 216+07, RT	691
STA. 213+08 TO STA. 216+06, LT	389
STA. 216+37 TO STA. 219+34, LT	340
STA. 216+37 TO STA. 219+34, RT	340
STA. 219+65 TO STA. 222+61, LT	337
STA. 219+66 TO STA. 222+62, RT	337
STA. 222+93 TO STA. 225+90, LT	337
STA. 222+94 TO STA. 225+91, RT	337
STA. 226+21 TO STA. 229+18, LT	340
STA. 226+21 TO STA. 229+18, RT	340
STA. 229+49, LT TO STA. 104+00, LT	479
STA. 229+49, RT TO STA. 100+00, LT	450
STA. 236+04 TO STA. 238+98, LT	338
STA. 236+04 TO STA. 238+98, RT	338
STA. 239+30 TO STA. 242+33, LT	334
STA. 239+30 TO STA. 242+33, RT	334
STA. 242+59 TO STA. 245+47, LT	330
STA. 242+59 TO STA. 247+39, RT	491
STA. 245+84 TO STA. 247+66, LT	190
STA. 247+50 TO STA. 257+83, LT	1033
STA. 247+76 TO STA. 248+83, RT	146
STA. 249+05, RT TO STA. 171+15, LT	1038
STA. 258+08 TO STA. 258+28, LT	44
STA. 258+53 TO STA. 267+00, LT	894
LEWIS AVENUE	
STA. 100+00, RT TO STA. 235+71, RT	447
STA. 104+00, RT TO STA. 235+71, LT	441
COMMONWEALTH AVENUE	
STA. 171+83, RT TO STA. 267+00, RT	874
TOTAL	12,955

FENCE REMOVAL

LOCATION	(FOOT)
STA. 247+81, 31' RT TO STA. 248+61, 50' RT	100
STA. 259+38, 34' RT TO STA. 178+04, 24' RT	567
COMMONWEALTH AVENUE	
STA. 171+84, 38' RT TO STA. 262+91, 33' RT	420
TOTAL	1,087

MEDIAN REMOVAL

LOCATION	(SQ FT)
STA. 171+52 TO STA. 171+94, RT	280
TOTAL	280

PAVEMENT REMOVAL

LOCATION	(SQ YD)
STA. 206+75 TO STA. 208+00	974
STA. 208+00 TO STA. 214+00	4066
STA. 214+00 TO STA. 219+00	3010
STA. 219+00 TO STA. 225+00	3808
STA. 225+00 TO STA. 231+00	3812
STA. 231+00 TO STA. 237+00	3583
STA. 237+00 TO STA. 243+00	3835
STA. 243+00 TO STA. 248+00	2953
STA. 248+00 TO STA. 254+00	3416
STA. 254+00 TO STA. 260+00	3333
STA. 260+00 TO STA. 266+00	3333
STA. 266+00 TO STA. 267+00	556
LEWIS AVENUE	
STA. 100+00 TO STA. 101+25	978
STA. 102+75 TO STA. 104+00	996
COMMONWEALTH AVENUE	
STA. 171+15 TO STA. 172+00	728
STA. 173+35 TO STA. 178+00	2277
TOTAL	41,700

REMOVING MANHOLES

LOCATION	(EACH)
STA. 209+13, 38' RT	1
STA. 209+26, 39' LT	1
STA. 213+11, 13' RT	1
STA. 215+89, 13' RT	1
STA. 216+43, 13' RT	1
STA. 229+00, 12' RT	1
STA. 236+10, 16' RT	1
STA. 245+52, 15' LT	1
STA. 245+84, 24' LT	1
STA. 255+21, 15' RT	1
STA. 257+96, 25' RT	1
STA. 258+70, 13' LT	1
STA. 264+34, 16' LT	1
STA. 266+40, 15' LT	1
STA. 266+57, 15' LT	1
TOTAL	15

REMOVING INLETS

LOCATION	(EACH)
STA. 209+14, 31' LT	1
STA. 209+50, 47' LT	1
STA. 209+89, 50' LT	1
STA. 212+61, 26' LT	1
STA. 215+89, 26' RT	1
STA. 219+26, 29' LT	1
STA. 222+52, 28' LT	1
STA. 222+57, 31' RT	1
STA. 225+83, 32' RT	1
STA. 225+83, 32' LT	1
STA. 229+00, 26' RT	1
STA. 232+35, 43' LT	1
STA. 235+69, 37' LT	1
STA. 235+70, 37' RT	1
STA. 238+97, 42' RT	1
STA. 238+97, 43' LT	1
STA. 239+31, 41' LT	1
STA. 239+31, 41' RT	1
STA. 242+22, 40' RT	1
STA. 242+22, 45' LT	1
STA. 242+60, 40' RT	1
STA. 245+45, 34' LT	1
STA. 245+53, 25' RT	1
STA. 245+83, 26' RT	1
STA. 245+87, 35' LT	1
STA. 252+87, 24' RT	1
STA. 252+96, 27' LT	1
STA. 255+19, 26' LT	1
STA. 257+60, 26' RT	1
STA. 258+12, 35' LT	1
STA. 258+12, 55' RT	1
STA. 258+58, 35' LT	1
STA. 258+70, 25' LT	1
STA. 258+72, 45' RT	1
STA. 260+41, 25' RT	1
STA. 263+79, 25' RT	1
STA. 264+00, 25' RT	1
STA. 264+63, 26' RT	1
STA. 264+71, 25' LT	1
STA. 266+40, 26' RT	1
STA. 266+41, 25' LT	1
TOTAL	41

DATE: 6/20/2008
 TIME: 1:42:10 PM
 FILENAME: N:\PROJ\05161\Design\Misc\Sheets\161-SCHEDULE-01.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SCHEDULE OF QUANTITIES

SCALE: N.T.S. DRAWN BY: KMS
 DATE: APRIL, 2008 CHECKED BY: MJL

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH

APPROX. LOCATION	(SQ. YD.)
STA. 207+72, RT	82.0
STA. 207+93, LT	32.7
STA. 208+25, LT	37.0
STA. 209+03, LT	33.5
STA. 214+88, RT	28.6
STA. 214+94, LT	20.1
STA. 215+59, LT	24.9
STA. 215+59, RT	25.5
STA. 217+42, RT	27.2
STA. 218+08, RT	35.9
STA. 218+85, RT	21.7
STA. 221+08, LT	19.4
STA. 221+48, RT	16.8
STA. 221+56, LT	24.5
STA. 221+85, RT	20.0
STA. 223+42, LT	34.1
STA. 223+50, RT	35.4
STA. 224+07, LT	35.9
STA. 224+26, RT	30.1
STA. 225+08, RT	36.1
STA. 227+98, LT	22.5
STA. 230+89, LT	27.0
STA. 230+89, RT	23.8
STA. 231+75, LT	22.1
STA. 239+24, RT	18.7
STA. 239+58, RT	19.9
STA. 240+15, RT	25.3
STA. 240+47, LT	25.2
STA. 241+16, RT	26.8
STA. 244+37, RT	18.6
STA. 246+91, LT	29.7
STA. 247+12, RT	26.8
STA. 250+34, RT	23.9
STA. 250+61, LT	39.0
STA. 250+97, RT	13.5
STA. 252+24, RT	28.0
STA. 254+87, LT	40.0
STA. 255+51, LT	39.0
STA. 261+44, RT	27.6
STA. 261+86, LT	22.7
STA. 263+86, RT	42.8
STA. 265+45, RT	13.9
LEWIS AVENUE	
STA. 100+54, RT	35.2
STA. 100+67, LT	43.2
STA. 101+12, LT	34.6
STA. 102+85, LT	47.4
STA. 103+34, LT	46.9
COMMONWEALTH AVENUE	
STA. 176+00, LT	90.3
STA. 176+70, LT	92.1
STA. 176+70, RT	68.6
TOTAL	1,657

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

LOCATION	(FOOT)
STA. 206+75 TO STA. 208+00, LT	125
STA. 206+75 TO STA. 208+00, RT	125
STA. 208+00 TO STA. 209+54, LT	171
STA. 208+00 TO STA. 209+58, RT	176
STA. 209+86 TO STA. 212+79, LT	330
STA. 209+93 TO STA. 216+07, RT	653
STA. 213+09 TO STA. 216+06, LT	332
STA. 216+37 TO STA. 219+34, LT	331
STA. 216+37 TO STA. 219+34, RT	331
STA. 219+65 TO STA. 222+61, LT	330
STA. 219+66 TO STA. 222+62, RT	331
STA. 222+93 TO STA. 225+90, LT	331
STA. 222+94 TO STA. 225+91, RT	331
STA. 226+21 TO STA. 229+18, LT	332
STA. 226+21 TO STA. 229+18, RT	332
STA. 229+49, LT TO STA. 104+00, LT	453
STA. 229+49, RT TO STA. 100+00, LT	453
STA. 104+00, RT TO STA. 235+71, LT	468
STA. 100+00, RT TO STA. 235+71, RT	454
STA. 236+04 TO STA. 238+98, LT	333
STA. 236+04 TO STA. 238+98, RT	331
STA. 239+30 TO STA. 242+23, LT	334
STA. 239+30 TO STA. 242+23, RT	340
STA. 242+59 TO STA. 245+47, LT	323
STA. 242+59 TO STA. 247+39, RT	498
STA. 245+84 TO STA. 247+66, LT	198
STA. 247+50 TO STA. 257+83, LT	1,044
STA. 247+76 TO STA. 248+83, RT	151
STA. 249+05 TO STA. 171+15, LT	1,009
STA. 258+08 TO STA. 258+28, LT	44
STA. 258+25 TO STA. 175+84, RT	501
STA. 258+53, LT STA. 267+00, LT	847
STA. 171+15, RT TO STA. 267+00, RT	930
STA. 173+35, RT TO STA. 177+49, RT	516
TOTAL	13,788

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

LOCATION	(FOOT)
STA. 208+02 TO STA. 209+45, LT	858
STA. 207+90 TO STA. 209+45, RT	930
STA. 209+95 TO STA. 212+69, LT	1,442
STA. 210+05 TO STA. 213+21, RT	1,869
STA. 213+20 TO STA. 214+80, LT	824
STA. 213+21 TO STA. 215+98, RT	1,318
STA. 215+11 TO STA. 215+38, LT	200
STA. 215+77 TO STA. 215+95, LT	209
STA. 216+47 TO STA. 219+25, LT	1,461
STA. 216+50 TO STA. 216+24, RT	926
STA. 219+74 TO STA. 222+52, LT	1,225
STA. 219+75, TO STA. 222+52, RT	1,267
STA. 222+96 TO STA. 225+79, LT	913
STA. 223+03 TO STA. 225+79, LT	1,015
STA. 226+29 TO STA. 229+07, LT	1,529
STA. 226+31 TO STA. 229+10, RT	1,372
STA. 229+59, RT TO STA. 100+81, LT	1,587
STA. 229+78, LT TO STA. 102+70, LT	1,223
STA. 102+97, LT TO STA. 103+17, LT	149
STA. 100+00, RT TO STA. 235+64, RT	2,325
STA. 103+57, RT TO STA. 235+62, LT	2,389
STA. 236+14 TO STA. 238+94, LT	1,637
STA. 236+14 TO STA. 238+88, RT	1,263
STA. 239+36 TO STA. 242+16, LT	1,544
STA. 239+39 TO STA. 242+16, RT	1,517
STA. 242+66 TO STA. 245+41, LT	1,727
STA. 242+66 TO STA. 247+37, RT	2,571
STA. 245+92 TO STA. 247+69, LT	895
STA. 247+79 TO STA. 257+30, LT	5,353
STA. 247+47 TO STA. 248+77, RT	831
STA. 249+10, RT TO STA. 171+51, LT	5,086
STA. 259+27 TO STA. 267+00, LT	4,638
STA. 259+18 TO STA. 267+00, RT	4,692
CONC. PAD COMM. 1	30
CONC. PAD COMM. 2	63
CONC. PAD LEWIS 1	30
CONC. PAD LEWIS 2	56
TOTAL	56,964

PAVEMENT IMPRINTING

LOCATION	(SQ. FT.)
STA. 209+49, 42' LT TO STA. 209+90, 42' LT	222.7
STA. 209+49, 34' RT TO STA. 209+90, 34' RT	332.8
STA. 212+63, 29' LT TO STA. 213+24, 29' LT	321.4
STA. 215+93, 28' LT TO STA. 216+52, 28' LT	287.8
STA. 215+93, 28' RT TO STA. 216+52, 28' RT	278.9
STA. 219+20, 29' LT TO STA. 219+81, 29' LT	255.9
STA. 219+20, 29' RT TO STA. 219+81, 29' RT	263
STA. 222+47, 29' LT TO STA. 223+07, 29' LT	277.3
STA. 222+47, 29' RT TO STA. 223+07, 29' RT	278.9
STA. 225+75, 29' LT TO STA. 226+36, 29' LT	257.4
STA. 225+75, 29' RT TO STA. 226+36, 29' RT	279.6
STA. 229+03, 30' LT TO STA. 229+64, 30' LT	267.2
STA. 229+03, 30' RT TO STA. 229+64, 30' RT	271.4
STA. 232+25, 52' LT TO STA. 232+85, 52' LT	340.1
STA. 232+25, 52' RT TO STA. 232+95, 53' LT	385.2
STA. 232+06, 35' LT TO STA. 232+06, 35' RT	362.0
STA. 233+13, 25' LT TO STA. 233+13, 35' RT	292.3
STA. 235+56, 29' LT TO STA. 236+19, 29' LT	309.7
STA. 235+56, 29' RT TO STA. 236+19, 29' RT	281.6
STA. 238+90, 29' LT TO STA. 239+38, 29' LT	216.7
STA. 238+90, 29' RT TO STA. 239+38, 29' RT	211.3
STA. 242+09, 29' LT TO STA. 242+72, 29' LT	296.8
STA. 242+09, 29' RT TO STA. 242+72, 29' RT	266.5
STA. 245+33, 28' LT TO STA. 245+98, 28' LT	297.3
STA. 248+68, 29' RT TO STA. 249+20, 29' RT	242.4
STA. 257+83, 58' LT TO STA. 258+08, 58' LT	125.7
STA. 258+15, 58' LT TO STA. 258+75, 58' LT	309.6
STA. 257+98, 58' RT TO STA. 258+72, 58' RT	387.4
STA. 259+12, 27' LT TO STA. 259+12, 37' RT	406.4
TOTAL	8,325

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH

APPROX. LOCATION	(SQ. YD.)
STA. 210+72, LT	49.0
STA. 214+73, LT	13.2
STA. 217+95, LT	13.8
STA. 224+85, LT	17.2
STA. 227+22, RT	13.0
STA. 227+61, RT	12.7
STA. 237+37, LT	16.1
STA. 237+85, RT	12.7
STA. 252+78, RT	13.1
STA. 103+69, LT	13.2
STA. 103+69, RT	11.2
TOTAL	185

DATE: 6/30/2008
TIME: 1:44:55 PM
FILENAME: N:\PROJ\161\Design\Misc\Sheets\161-SCHEDULE-02.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SCHEDULE OF QUANTITIES

SCALE: N.T.S.
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

LOCATION	STATION	STAGE II						STAGE III							
		20200100	20200100		66900205	66900210	20201200	20200100	20200100		66900205	66900210	20201200		
		EARTH EXCAVATION (CU YD)	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	SPECIAL WASTE (CU YD)	HAZARDOUS WASTE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	SPECIAL WASTE DISPOSAL (CU YD)	HAZARDOUS WASTE DISPOSAL (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
	KRISTAN AVENUE	80	68	0	68	0	0	3	80	68	0	68	0	3	
	239+51 TO 240+00	20	17	0	17	0	0	0	16	13	0	13	0	0	
	240+00 TO 240+50	19	17	1	16	0	0	0	14	12	1	11	0	0	
	239+51 TO 240+00	19	16	1	15	0	0	0	14	12	1	11	0	0	
	240+00 TO 240+50	17	14	1	13	0	0	0	13	11	1	10	0	0	
	241+50 TO 241+93	16	14	2	12	0	0	0	10	8	2	7	0	0	
	HERVEY AVENUE	65	55	0	55	0	0	6	65	55	0	55	0	6	
	242+89 TO 243+00	6	5	0	5	0	0	0	6	5	0	5	0	0	
	243+00 TO 243+50	32	28	0	28	0	0	0	31	27	0	27	0	0	
	243+50 TO 244+00	40	34	0	34	0	0	0	39	33	0	33	0	0	
	244+00 TO 244+50	46	39	0	39	0	0	0	50	43	0	43	0	0	
	244+50 TO 245+00	49	42	0	42	0	0	0	55	46	0	46	0	0	
	245+00 TO 245+17	16	14	0	14	0	0	0	17	14	0	14	0	0	
	GROVE AVENUE	98	83	0	83	0	0	6	98	83	0	83	0	6	
	246+14 TO 246+50	21	18	1	17	0	0	0	21	18	0	18	0	0	
	246+50 TO 247+00	44	37	1	36	0	0	0	42	35	0	35	0	0	
	247+00 TO 247+50	54	46	1	45	0	0	0	44	37	0	37	0	0	
	247+50 TO 248+00	48	41	1	40	0	0	0	22	19	2	17	0	0	
	248+00 TO 248+50	30	25	1	24	0	0	0	6	6	9	-4	0	0	
	248+50 TO 248+53	1	1	0	1	0	0	0	0	0	1	-1	0	0	
	SEYMOUR AVENUE	36	31	0	31	0	0	8	36	31	0	31	0	8	
	249+35 TO 249+50	7	6	0	6	0	0	0	6	6	0	6	0	0	
	249+50 TO 250+00	33	28	0	28	0	0	0	34	29	0	29	0	0	
	250+00 TO 250+50	43	36	0	36	0	0	0	40	34	0	34	0	0	
	250+50 TO 251+00	42	35	1	34	0	0	0	44	37	0	37	0	0	
	251+00 TO 251+50	35	30	2	28	0	0	0	44	38	0	38	0	0	
	251+50 TO 252+00	34	29	1	28	0	0	0	39	33	0	33	0	0	
	252+00 TO 252+50	33	28	1	27	0	0	0	36	31	0	31	0	0	
	252+50 TO 253+00	34	29	2	27	0	0	0	35	30	0	30	0	1	
	253+00 TO 253+50	39	33	2	31	0	0	0	38	32	0	32	0	2	
	253+50 TO 254+00	44	37	1	36	0	0	0	38	32	0	32	0	2	
	254+00 TO 254+50	41	35	1	34	0	0	0	34	29	0	29	0	2	
	254+50 TO 255+00	31	26	3	23	0	0	0	31	26	0	26	0	2	
	255+00 TO 255+50	33	28	3	25	0	0	0	32	27	0	27	0	2	
	255+50 TO 256+00	39	33	2	31	0	0	0	38	32	0	32	0	2	
	256+00 TO 256+50	51	43	2	41	0	0	0	52	44	0	44	0	2	
	256+50 TO 257+00	65	55	1	54	0	0	0	65	55	0	55	0	2	
	257+00 TO 257+43	47	40	0	40	0	0	0	47	40	0	40	0	1	
	COMMONWEALTH	332	282	0	282	11	11	33	332	282	0	282	11	33	
	259+27 TO 259+50	0	0	1	-1	11	0	0	9	8	0	8	17	2	
	259+50 TO 260+00	1	1	1	0	25	0	0	10	9	0	9	40	0	
	260+00 TO 260+50	2	2	0	2	33	0	0	2	2	0	2	40	0	
	260+50 TO 261+00	2	2	0	2	46	0	0	2	2	0	2	46	0	
	261+00 TO 261+50	4	3	0	3	51	0	0	4	3	0	3	53	0	
	261+50 TO 262+00	28	24	0	24	25	0	0	3	2	0	2	49	0	
	262+00 TO 262+50	47	40	0	40	0	0	0	2	2	0	2	43	0	
	262+50 TO 263+00	44	38	0	38	0	0	0	5	4	0	4	21	0	
	263+00 TO 263+50	42	35	0	35	0	0	0	4	3	0	3	35	0	
	263+50 TO 264+00	37	31	0	31	0	0	0	0	0	1	-1	29	0	
	264+00 TO 264+50	35	30	0	30	0	0	0	3	2	1	3	0	0	
	264+50 TO 265+00	47	40	0	40	0	0	0	4	3	0	3	45	0	
	265+00 TO 265+50	58	50	0	50	0	0	0	5	4	0	4	58	0	
	265+50 TO 266+00	56	47	0	47	0	0	0	5	4	0	4	61	0	
	266+00 TO 266+50	49	42	0	42	0	0	0	2	2	1	1	53	1	
	266+50 TO 267+00	41	35	0	35	0	0	0	2	2	0	2	45	1	
	267+00 TO 267+41	29	24	0	24	0	0	0	1	1	0	1	0	1	
	TOTAL	2,259	1,920	31	1,888	202	11	55	1,723	1,464	22	1,442	435	318	77

DATE: 6/30/2008
 TIME: 1:35:56 PM
 FILENAME: N:\PROJ\5161\Design\MiscSheets\5161-Earthwork-02.dgn

REVISIONS	
NAME	DATE

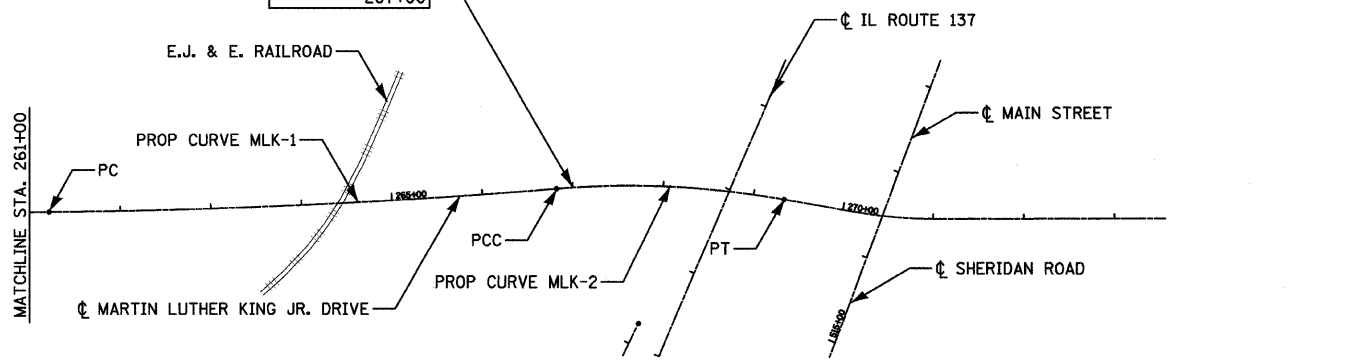
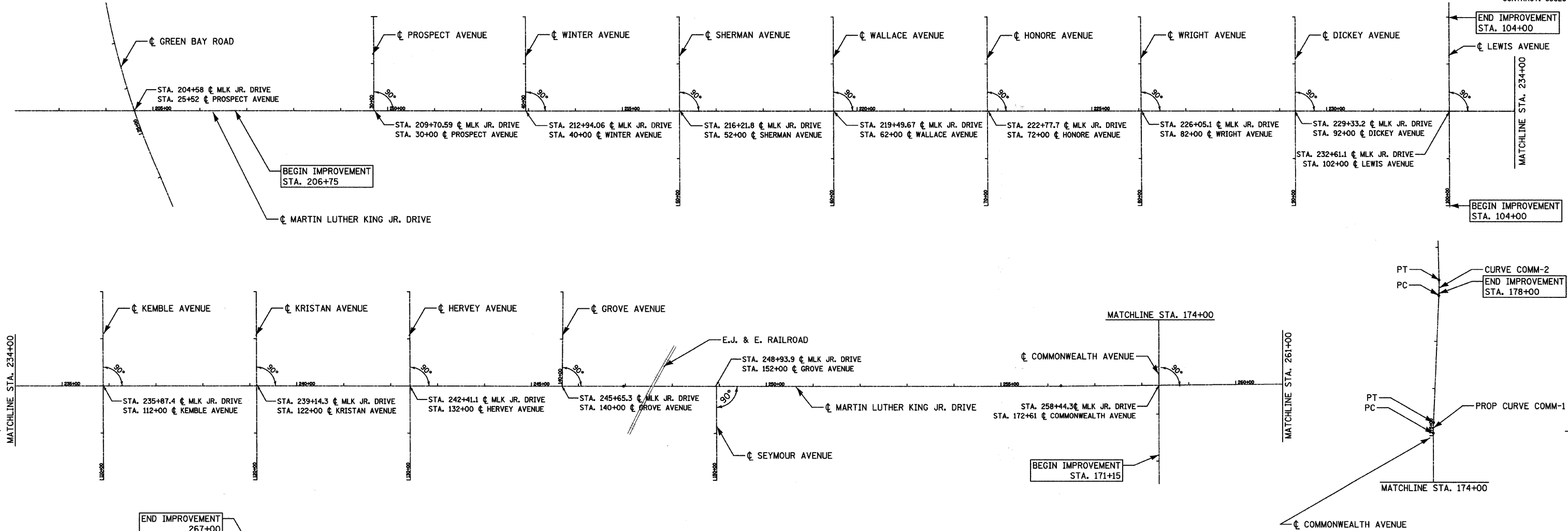
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

SCHEDULE OF QUANTITIES
 EARTHWORK

SCALE: N.T.S. DRAWN BY: JCC
 DATE: APRIL, 2008 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	23
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



PROP. CURVE MLK-1
 PI STA. = 264+01.98
 $\Delta = 4^\circ 00' 48''$ (LT)
 $D = 0^\circ 42' 58''$
 $R = 8,000.00'$
 $T = 280.29'$
 $L = 560.35'$
 $E = 4.91'$
 P.C.C. STA. = 261+21.69
 P.T. STA. = 266+82.04

PROP. CURVE MLK-2
 PI STA. = 268+08.40
 $\Delta = 14^\circ 24' 12''$ (RT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 126.36'$
 $L = 251.39'$
 $E = 7.95'$
 P.C.C. STA. = 266+82.04
 P.T. STA. = 269+33.43

CURVE NO.	ALIGNMENT POINT	NORTHING	EASTING
MLK-1	PC = 261+21.69	9,964.90	10,247.78
	PI = 264+01.98	9,958.83	10,528.01
	PCC = 266+82.04	9,972.38	10,807.97
MLK-2	PCC = 266+82.04	9,972.38	10,807.97
	PI = 268+08.40	9,978.49	10,934.18
	PT = 269+33.43	9,953.01	11,057.94
COMM-1	PC = 175+05.44	10,215.48	9,969.61
	PI = 175+16.63	10,226.66	9,969.93
	PT = 175+27.81	10,201.00	10,469.40
COMM-2	PC = 177+97.67	10,506.95	9,990.63
	PI = 178+14.17	10,523.40	9,991.85
	PT = 178+30.66	10,539.90	9,991.97

PROP. CURVE COMM-1
 PI STA. = 175+16.63
 $\Delta = 2^\circ 33' 48''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 11.19'$
 $L = 22.37'$
 $E = 0.13'$
 P.C. STA. = 175+05.44
 P.T. STA. = 175+27.81

PROP. CURVE COMM-2
 PI STA. = 178+14.17
 $\Delta = 3^\circ 46' 50''$ (LT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 16.50'$
 $L = 32.99'$
 $E = 0.27'$
 P.C. STA. = 177+97.67
 P.T. STA. = 178+30.66

PROPOSED ϕ MARTIN LUTHER KING JR. DRIVE		
STA.	NORTHING	EASTING
206+75	10,134.05	4,803.74
256+27.70	9,975.61	9,753.90
267+00	9,973.08	10,825.91

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

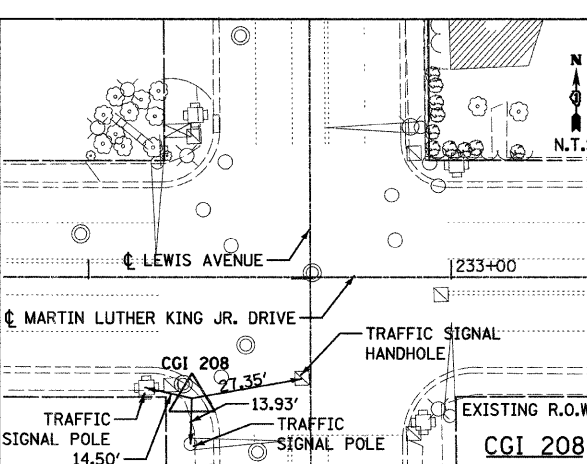
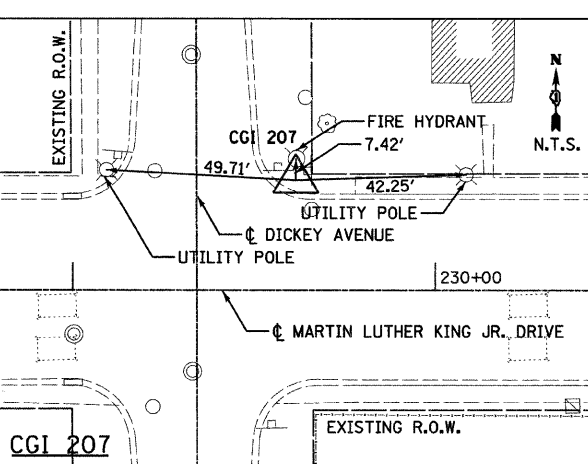
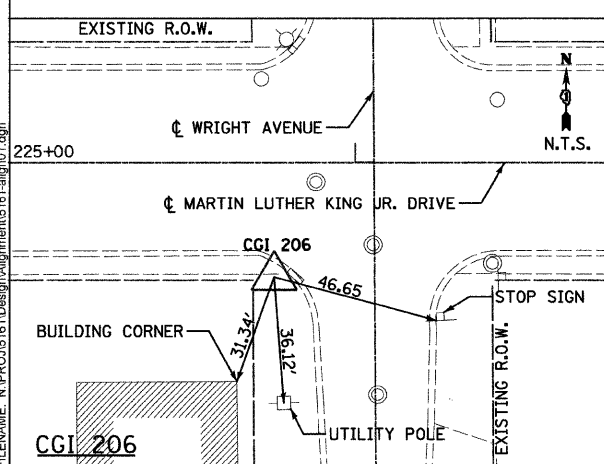
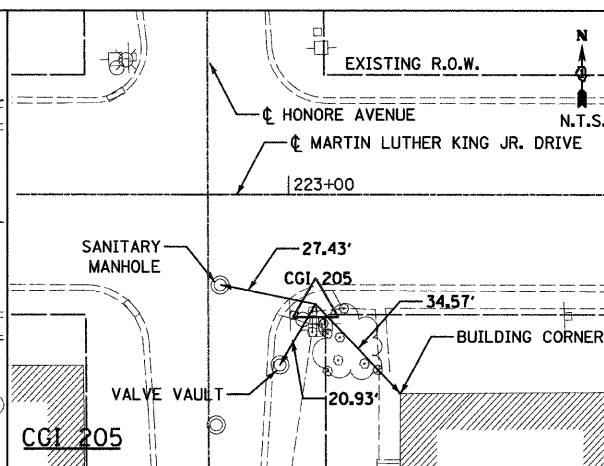
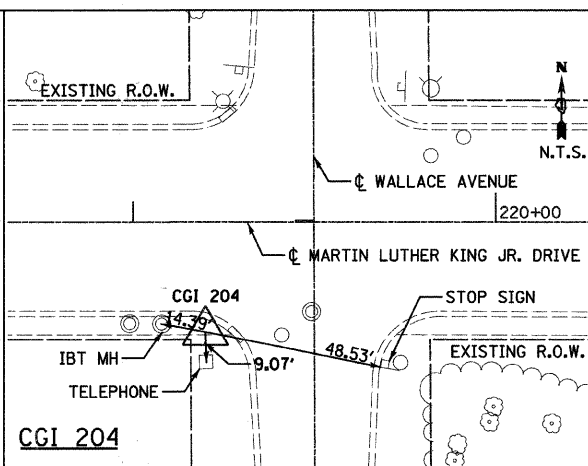
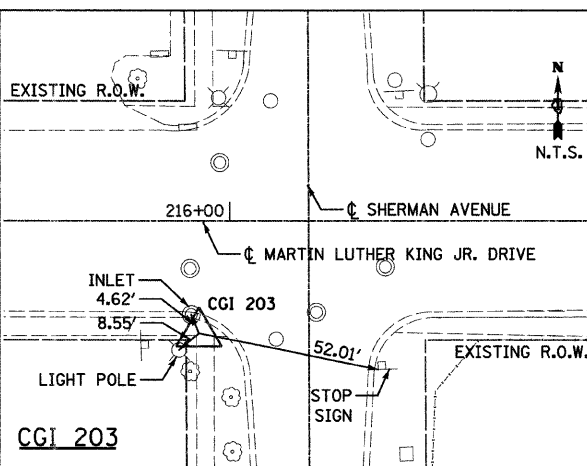
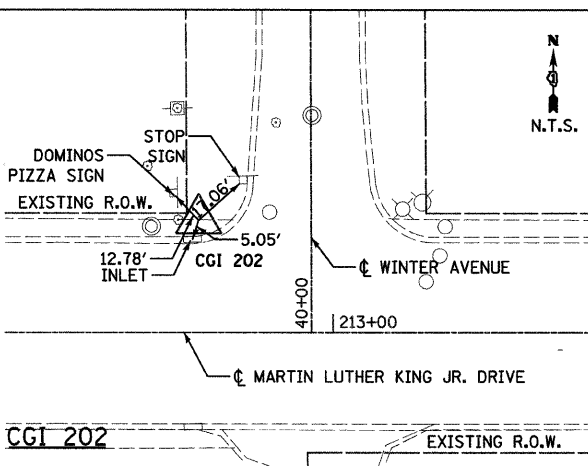
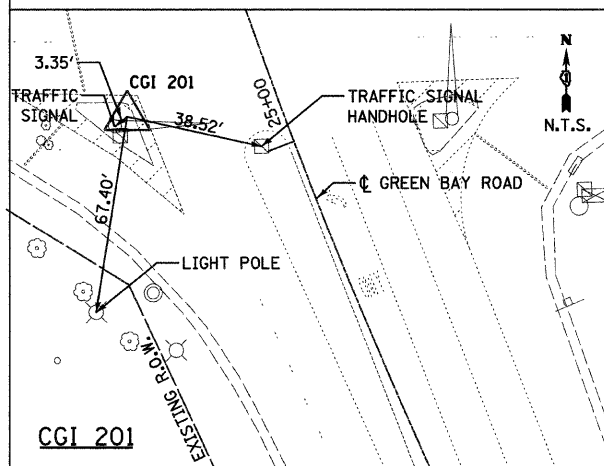
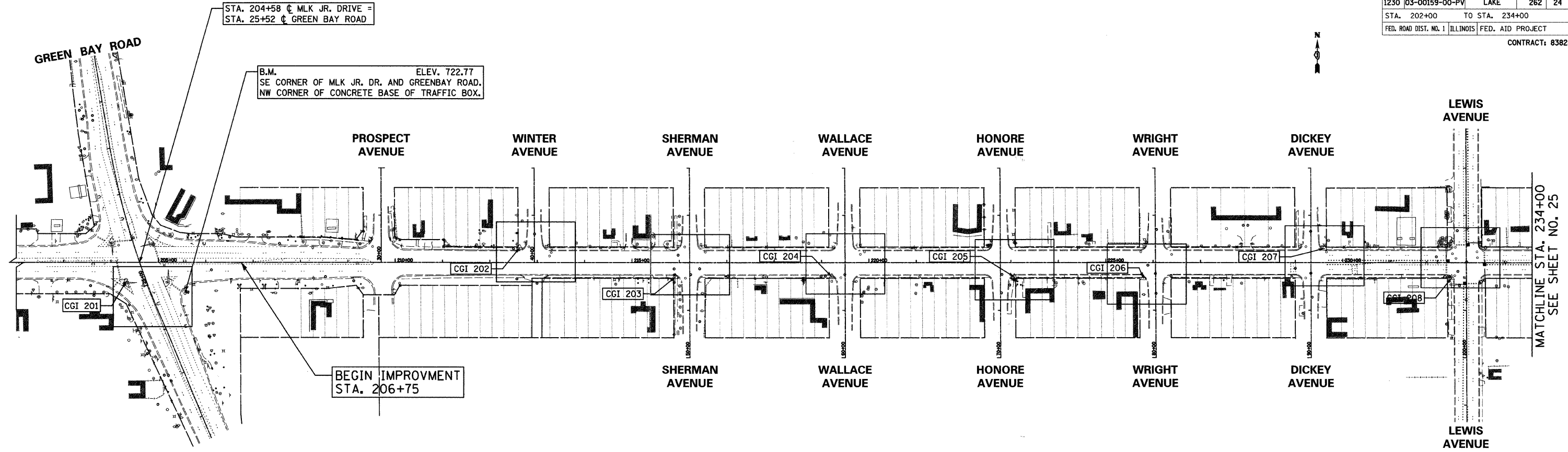
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

ALIGNMENT

SCALE: 1"=100'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

DATE: 6/30/2008
 TIME: 9:56:54 AM
 FILENAME: N:\PROJ\161\Design\Alignment\161-align03.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	24
STA. 202+00		TO STA. 234+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



CONTROL POINTS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
CGI 201	10,102.40	4,557.45	724.80	CHISELED 'X' SET IN ISLAND
CGI 202	10,144.18	5,393.81	716.31	CHISELED 'X' SET IN SIDEWALK
CGI 203	10,075.58	5,718.57	709.79	CHISELED 'X' SET IN SIDEWALK
CGI 204	10,064.67	6,049.39	702.19	CHISELED 'X' SET IN SIDEWALK
CGI 205	10,052.72	6,435.18	700.72	CHISELED 'X' SET IN SIDEWALK
CGI 206	10,041.25	6,705.02	696.66	CHISELED 'X' SET IN SIDEWALK
CGI 207	10,091.14	7,087.14	687.18	CHISELED 'X' SET IN SIDEWALK
CGI 208	10,019.47	7,356.13	683.36	CHISELED 'X' SET IN SIDEWALK

REVISIONS	
NAME	DATE

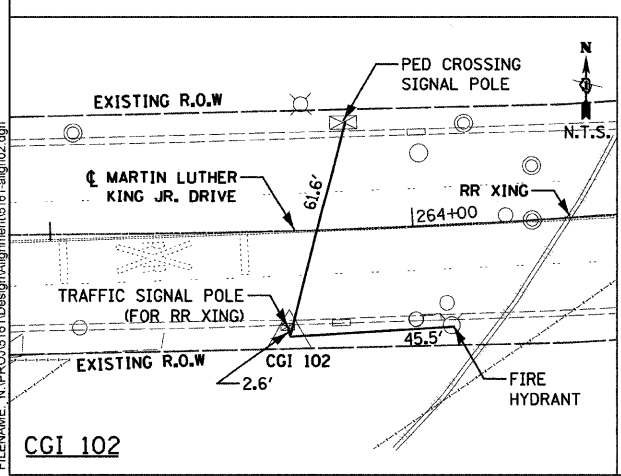
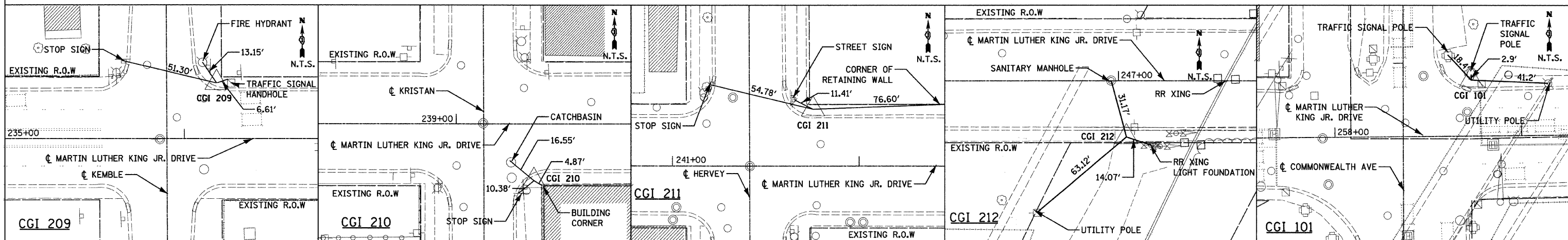
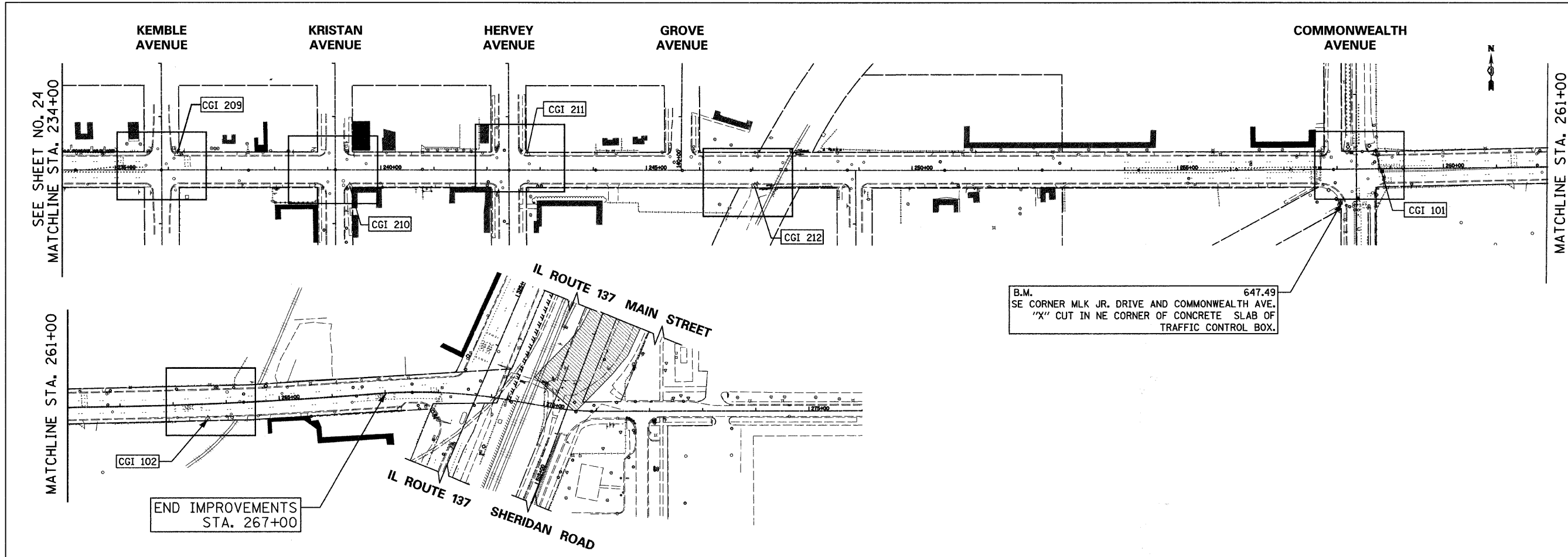
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
SURVEY TIES AND BENCHMARKS
STA. 202+00 TO STA. 234+00

SCALE: 1"=100'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 6/30/08
TIME: 10:06:36 AM
FILENAME: N:\PROJ\15161\Design\Alignment\15161-align01.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	25
STA.	234+00	TO STA.	267+00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT: 83828				



CONTROL POINTS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
CGI 209	10,070.64	7,745.66	677.86	CHISELED 'X' SET IN SIDEWALK
CGI 210	9,999.59	8,069.20	668.06	CHISELED 'X' SET IN SIDEWALK
CGI 211	10,049.62	8,402.14	663.83	CHISELED 'X' SET IN SIDEWALK
CGI 212	9,975.09	8,829.57	662.90	CHISELED 'X' SET IN SIDEWALK
CGI 101	10,000.00	10,000.00	647.45	CHISELED 'X' SET IN SIDEWALK
CGI 102	9,933.81	10,490.88	649.02	CHISELED 'X' SET IN SIDEWALK

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com





CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
SURVEY TIES AND BENCHMARKS
STA. 234+00 TO STA. 267+00

SCALE: 1"=100'
DATE: APRIL, 2008

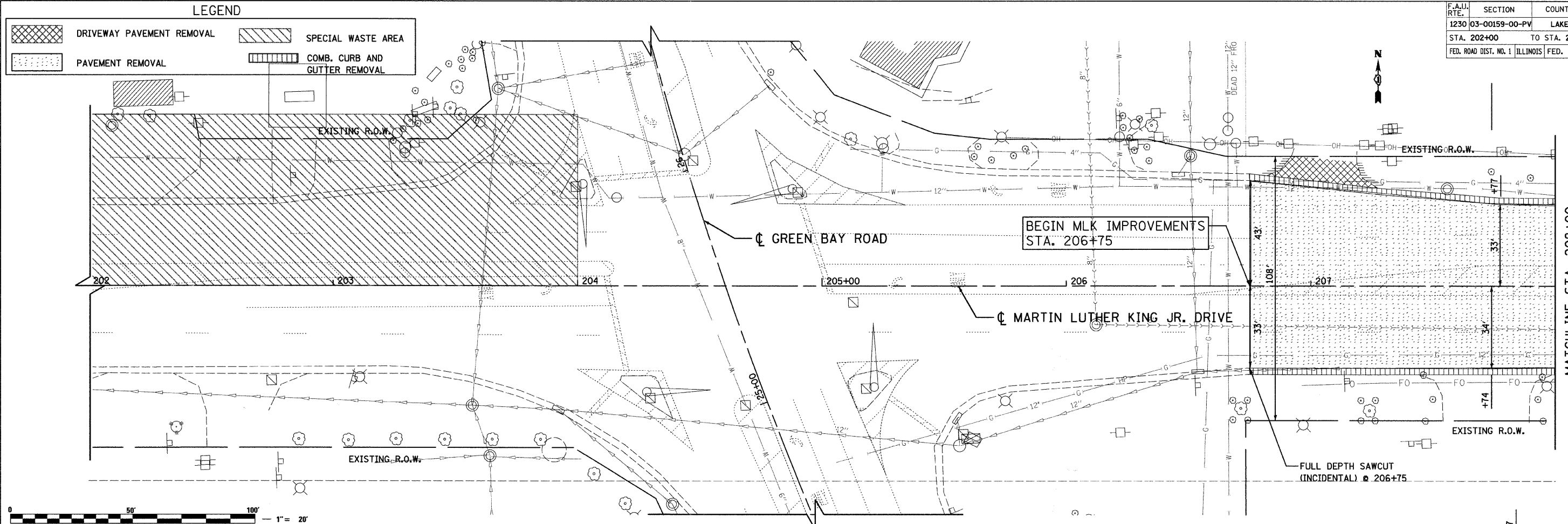
DRAWN BY: KMS
CHECKED BY: M.J.L.

DATE: 8/30/2008
TIME: 10:06:51 AM
FILENAME: N:\PROJ\0511\Design\Alignments\61-align02.dgn

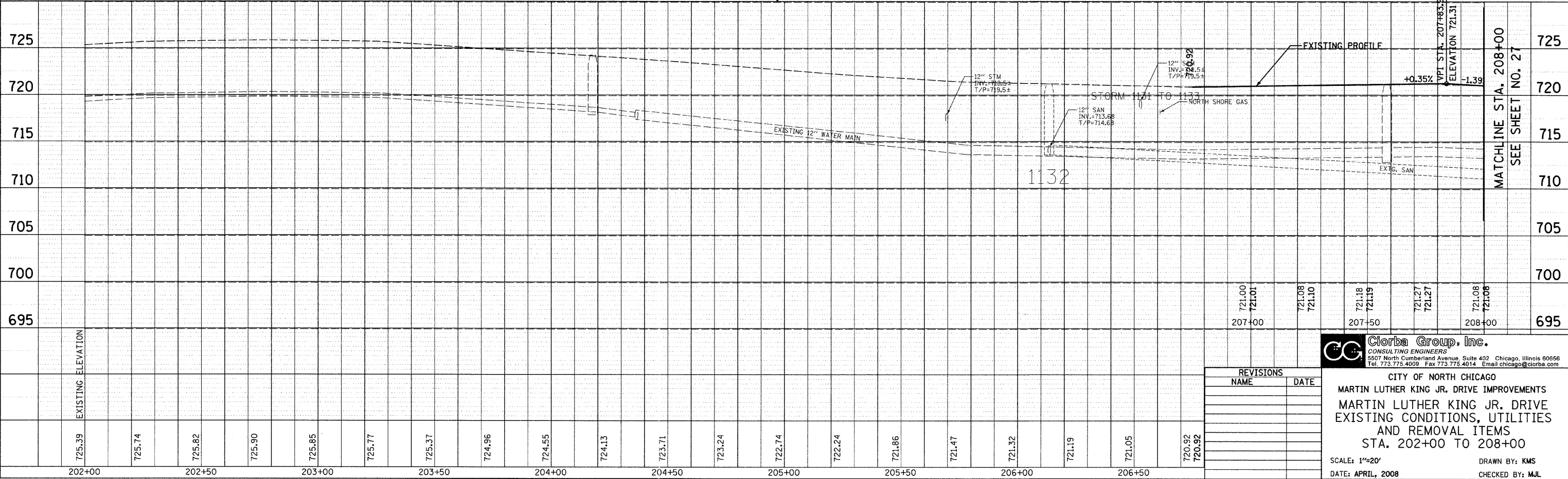
LEGEND

-  DRIVEWAY PAVEMENT REMOVAL
-  SPECIAL WASTE AREA
-  PAVEMENT REMOVAL
-  COMB. CURB AND GUTTER REMOVAL

PLAN
 NO. _____
 DATE _____
 BY _____
 CHECKED _____
 DATE _____
 FILE NAME: N:\PROJ\05161\Design\Removal\161-REM-01.dgn



PROFILE
 NO. _____
 DATE _____
 BY _____
 CHECKED _____
 DATE _____
 FILE NAME: N:\PROJ\05161\Design\Removal\161-REM-01.dgn



MATCHLINE STA. 208+00
 SEE SHEET NO. 27

MATCHLINE STA. 208+00
 SEE SHEET NO. 27

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 EXISTING CONDITIONS, UTILITIES
 AND REMOVAL ITEMS
 STA. 202+00 TO 208+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

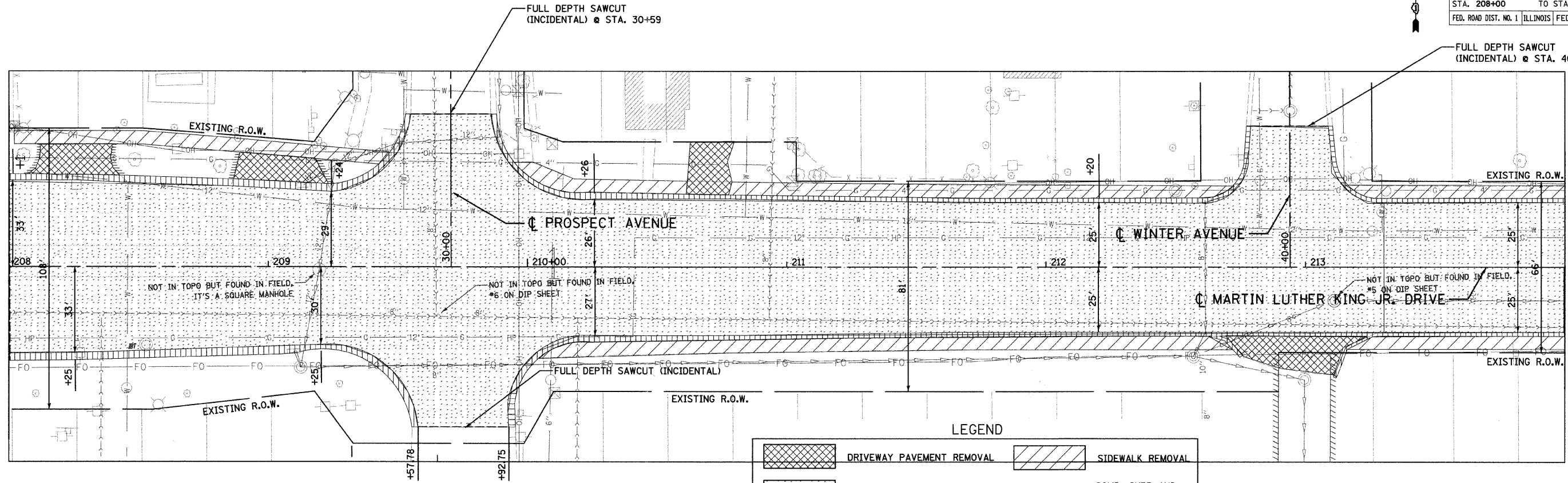
REVISIONS	
NAME	DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	27
STA. 208+00		TO STA. 214+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



PLAN	DATE	BY
NO.		
NO.		
NO.		
NO.		

MATCHLINE STA. 208+00
SEE SHEET NO. 26



MATCHLINE STA. 214+00
SEE SHEET NO. 28

LEGEND

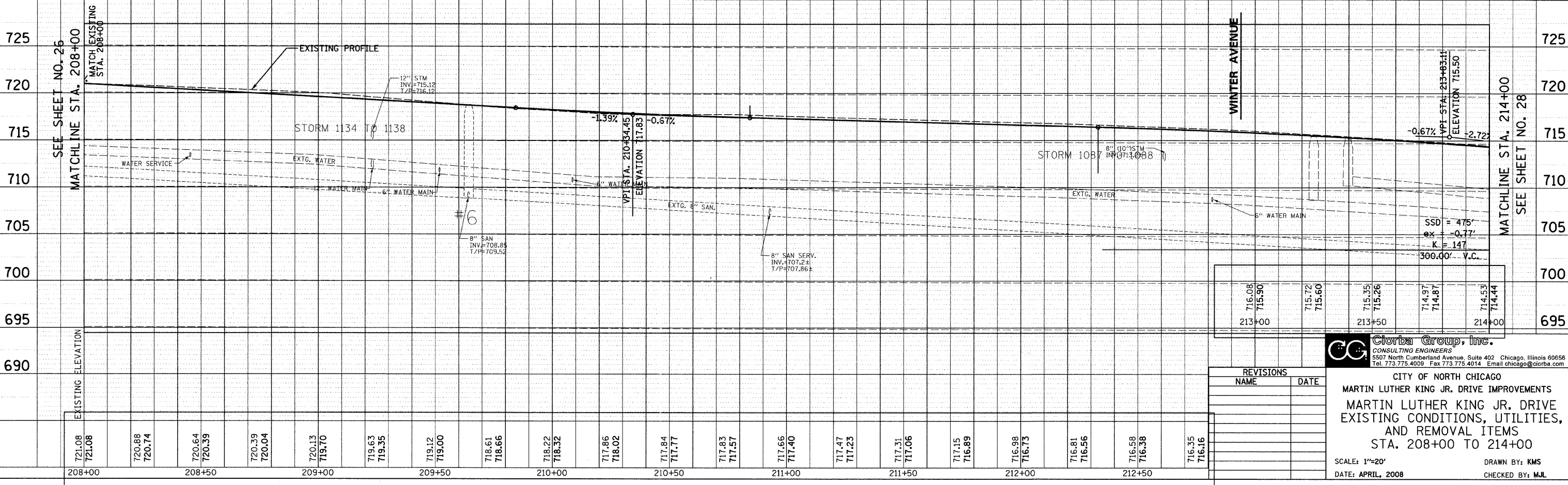
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL



PROFILE	DATE	BY
NO.		
NO.		
NO.		

SEE SHEET NO. 26
MATCHLINE STA. 208+00

MATCHLINE STA. 214+00
SEE SHEET NO. 28



213+00	716.08 715.90	715.72 715.60	715.35 715.26	714.97 714.87	714.53 714.44
213+50					
214+00					

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 208+00 TO 214+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

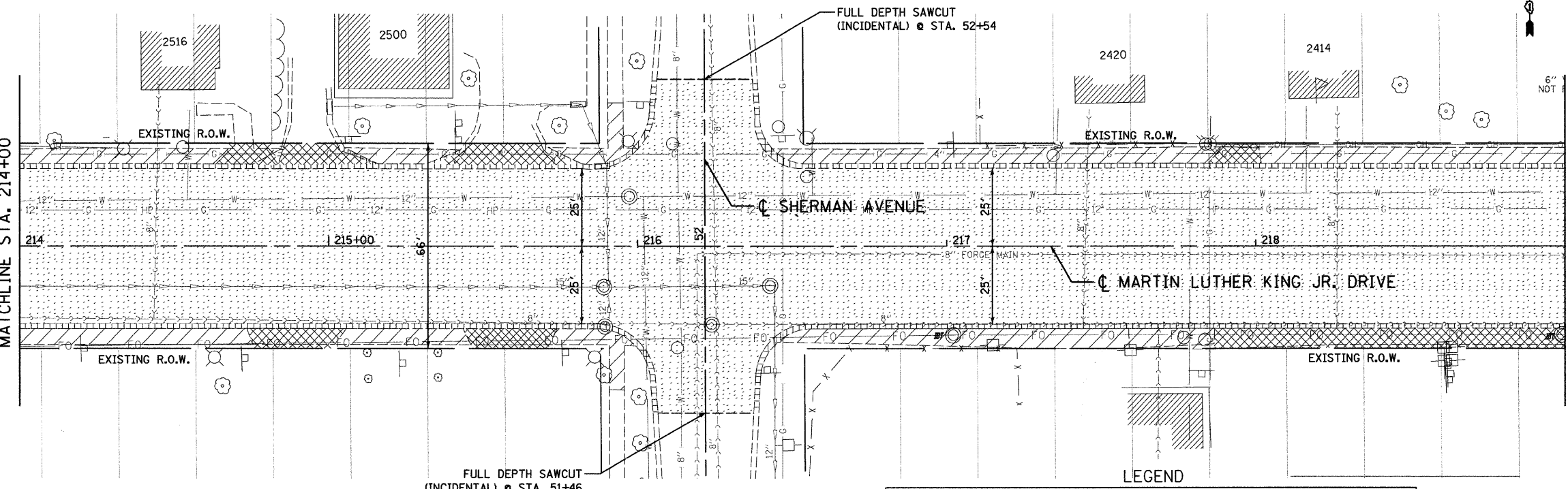
DATE: 6/30/2009
TIME: 10:53 AM
FILENAME: N:\PROJ\05161\Design\Removal\5161.REM-02.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	28
STA. 214+00		TO STA. 219+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				

PLAN	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE

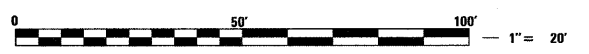
SEE SHEET NO. 27
MATCHLINE STA. 214+00

MATCHLINE STA. 219+00
SEE SHEET NO. 29



LEGEND

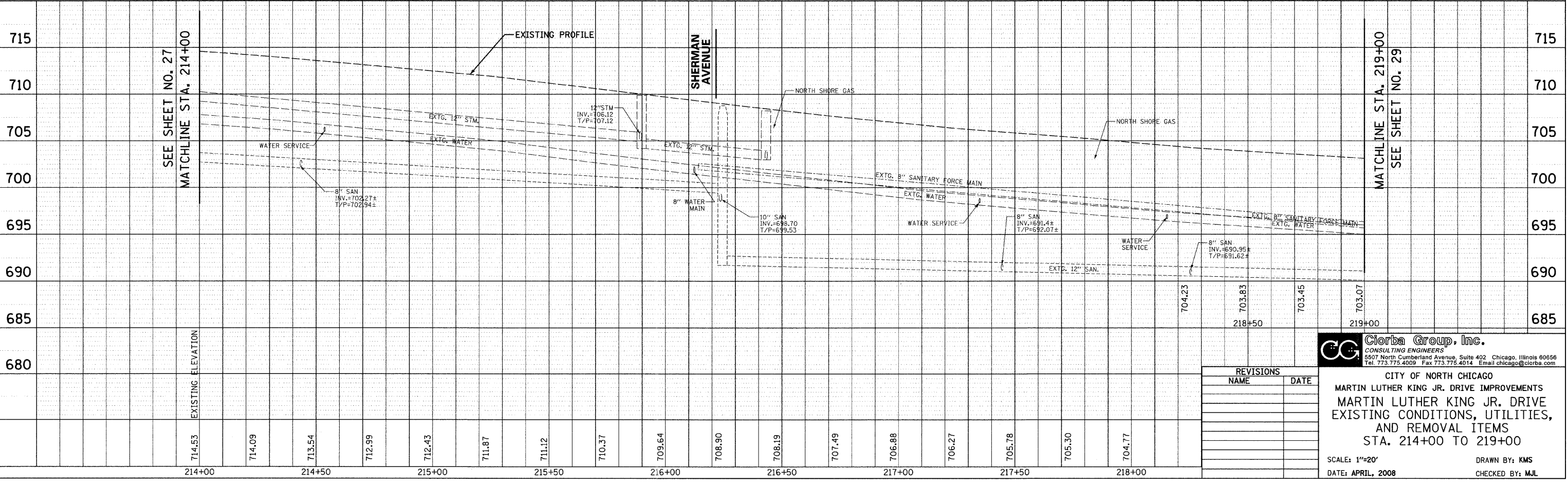
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL



PROFILE	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE

SEE SHEET NO. 27
MATCHLINE STA. 214+00

MATCHLINE STA. 219+00
SEE SHEET NO. 29



REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 214+00 TO 219+00

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

DATE: 6/30/2009
FILENAME: N:\PROJ\161\Design\Removal\161-REM-03.dgn

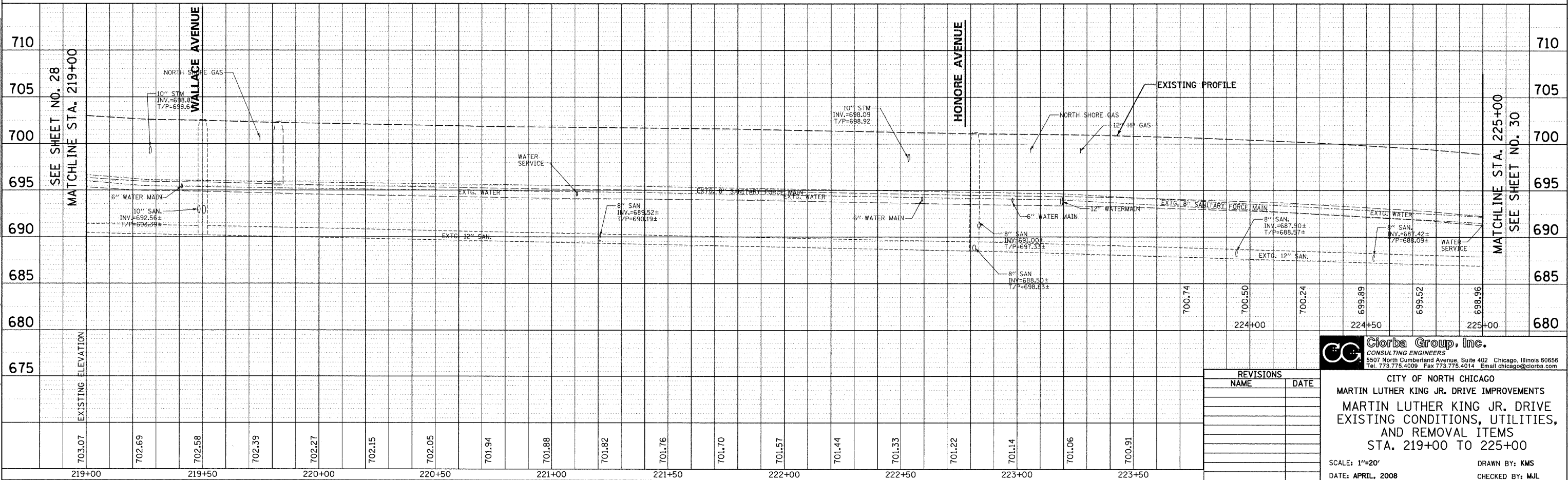
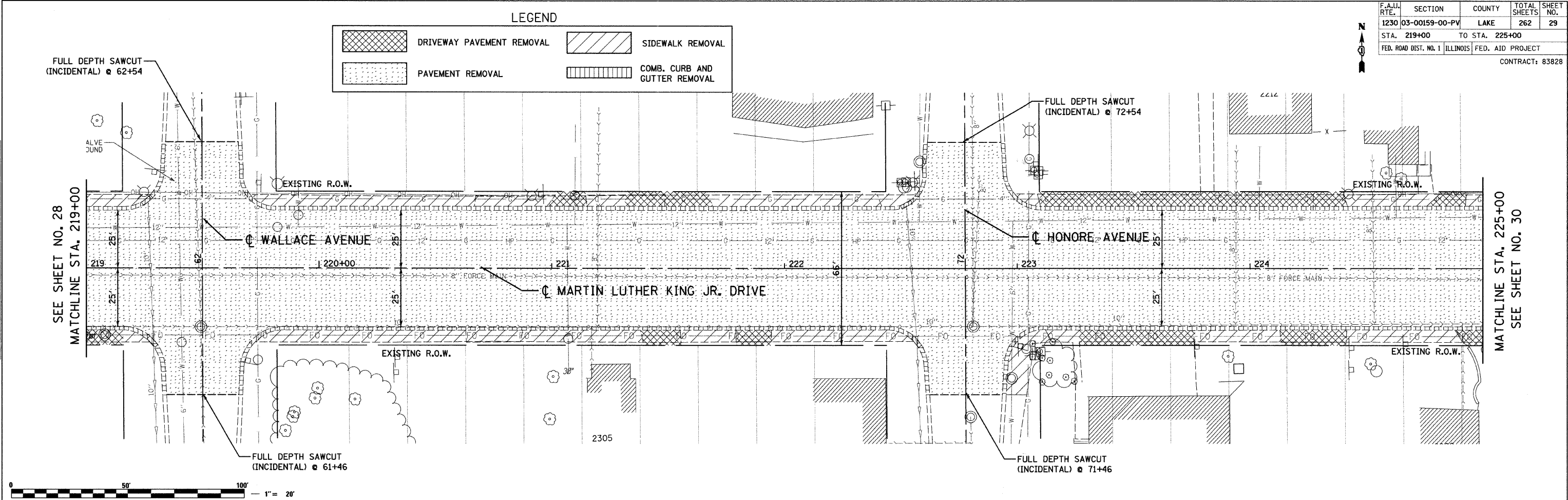
LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL

DATE	BY

DATE	BY

DATE: 6/30/2008
 TIME: 10:09:30 AM
 FILENAME: N:\PROJECTS\161\Design\Removal\61-REM-C4.dgn



REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 219+00 TO 225+00

SCALE: 1"=20'
 DATE: APRIL, 2008

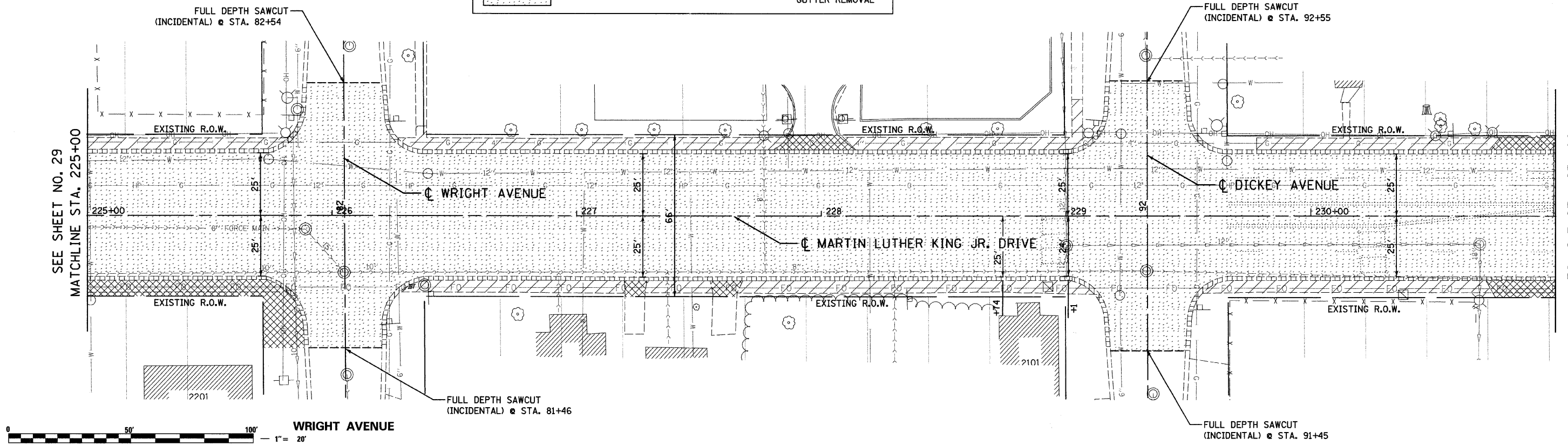
DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	30
STA. 225+00		TO STA. 231+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT: 83828
N

LEGEND

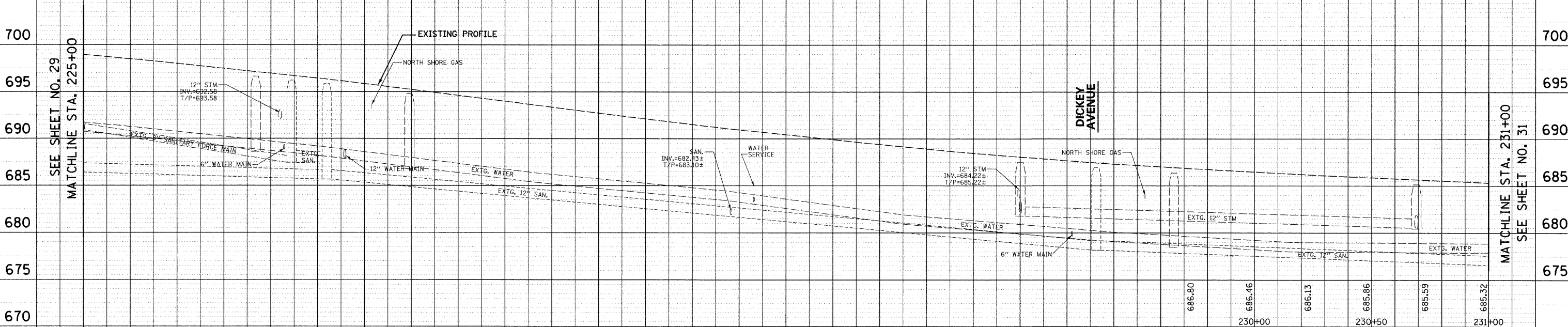
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL



WRIGHT AVENUE

PLAN	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY	
NO.	

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY	
NO.	



DATE: 6/20/2008
TIME: 10:00 AM
FILENAME: N:\PROJ\516\Design\Removal\516R1-REM-05.dgn

EXISTING ELEVATION	698.96	698.39	697.75	697.10	696.45	695.70	694.93	694.17	693.37	692.57	691.83	691.09	690.44	689.79	689.17	688.57	688.07	687.58	687.17	
STATIONING	225+00	225+50	226+00	226+50	227+00	227+50	228+00	228+50	229+00	229+50	230+00	230+50	231+00							

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402, Chicago, Illinois 60656
Tel: 773.773.4009 Fax: 773.773.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 225+00 TO 231+00

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

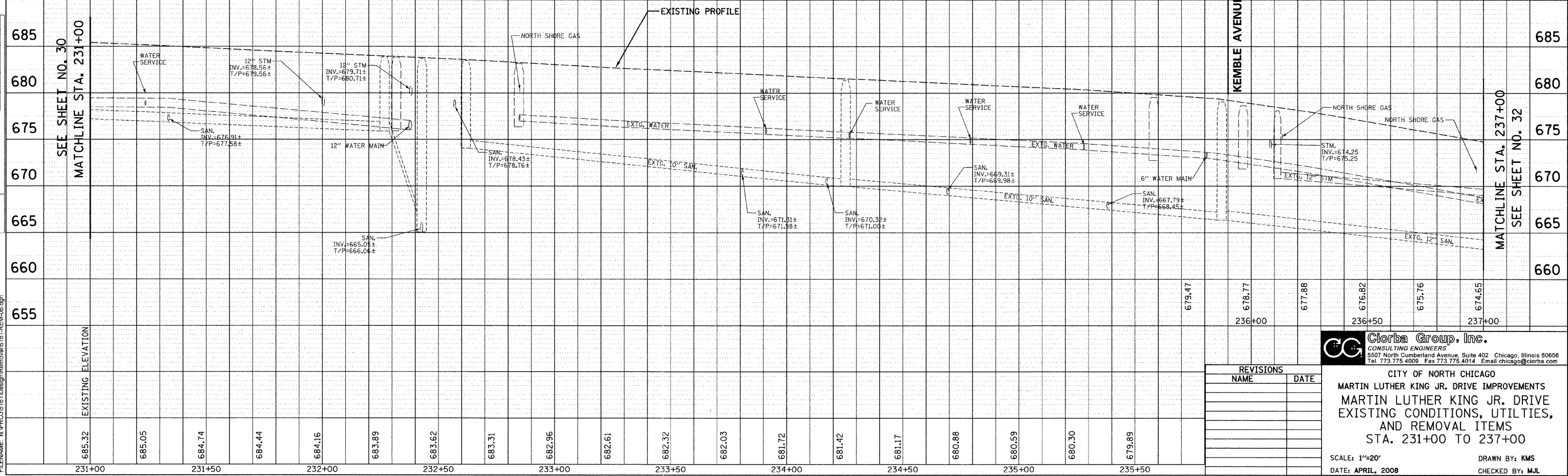
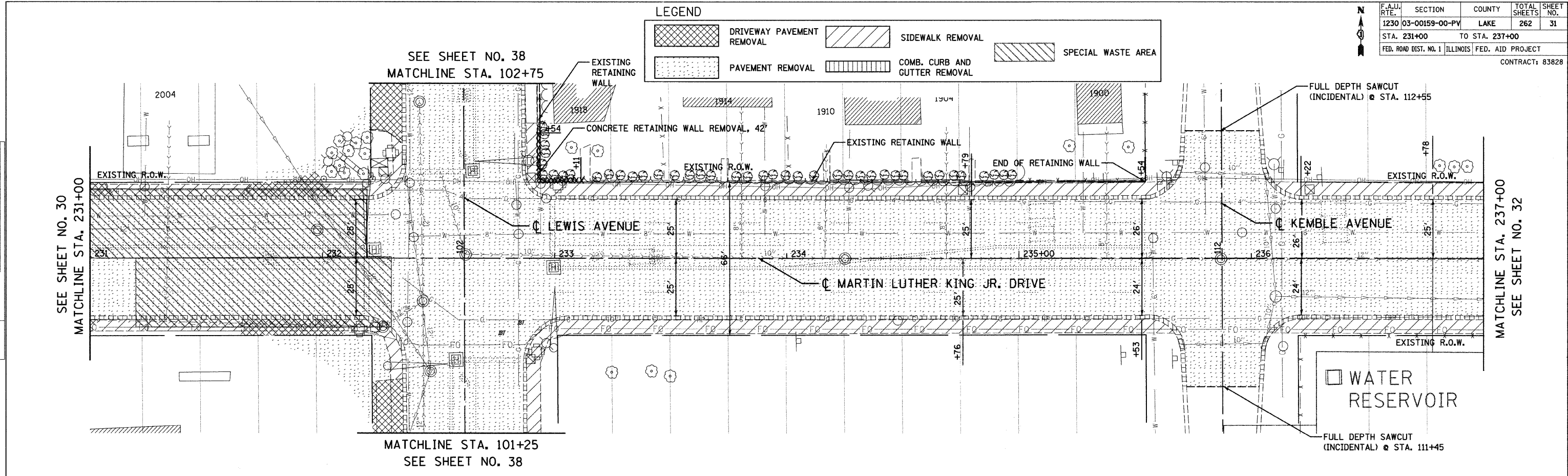
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	31
STA. 231+00 TO STA. 237+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				

LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL
	SPECIAL WASTE AREA		

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	STRUCTURE NOTATIONS	
	NO.	



REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 231+00 TO 237+00

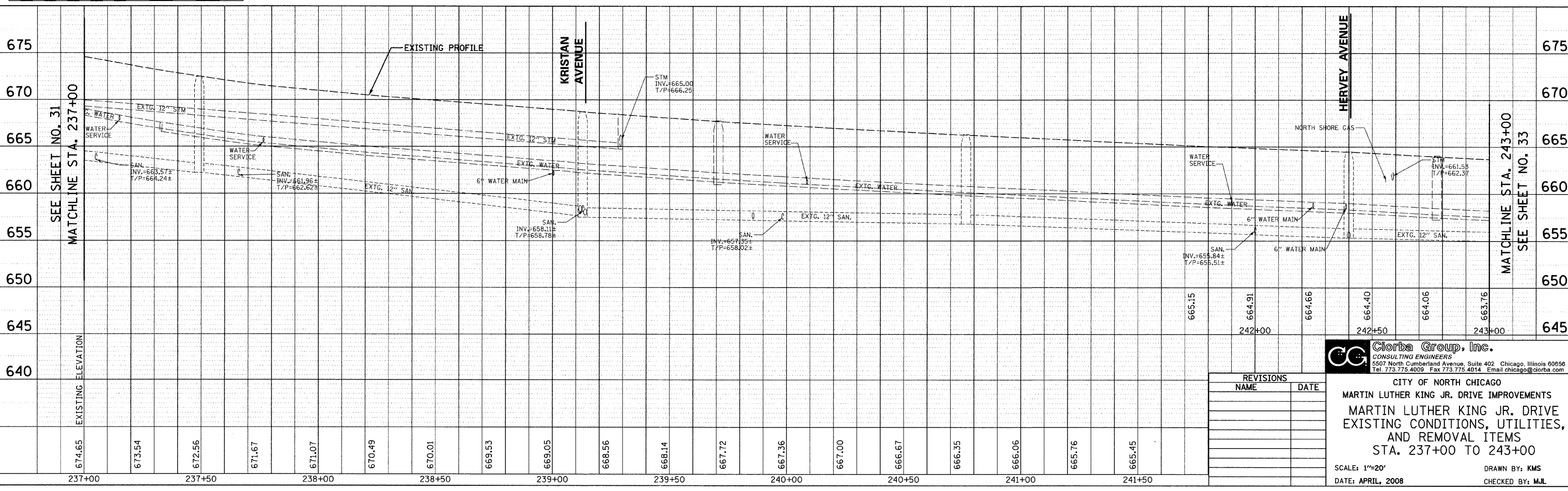
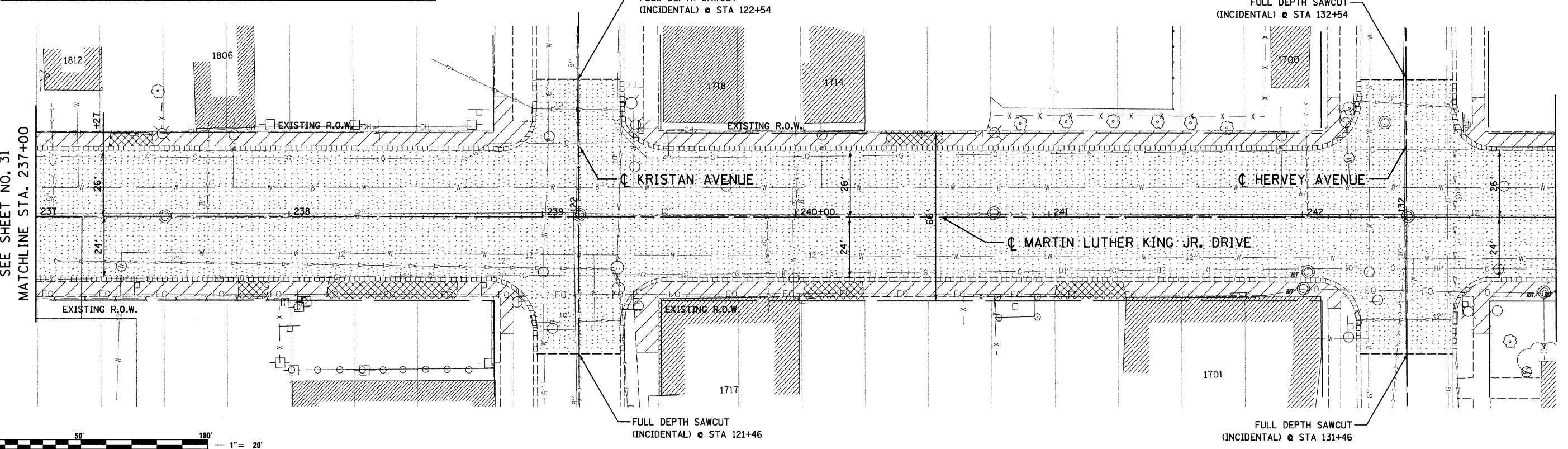
SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

DATE: 6/30/08
TIME: 10:10:01 AM
FILENAME: N:\PROJ\1516\Design\Removal\1516-REM-06.dgn

LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL



PLAN	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	

PROFILE	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	

DATE: 6/30/2009
 TIME: 11:00 AM
 FILENAME: N:\PROJ\05161\Design\Removal\05161-REM-07.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 237+00 TO 243+00

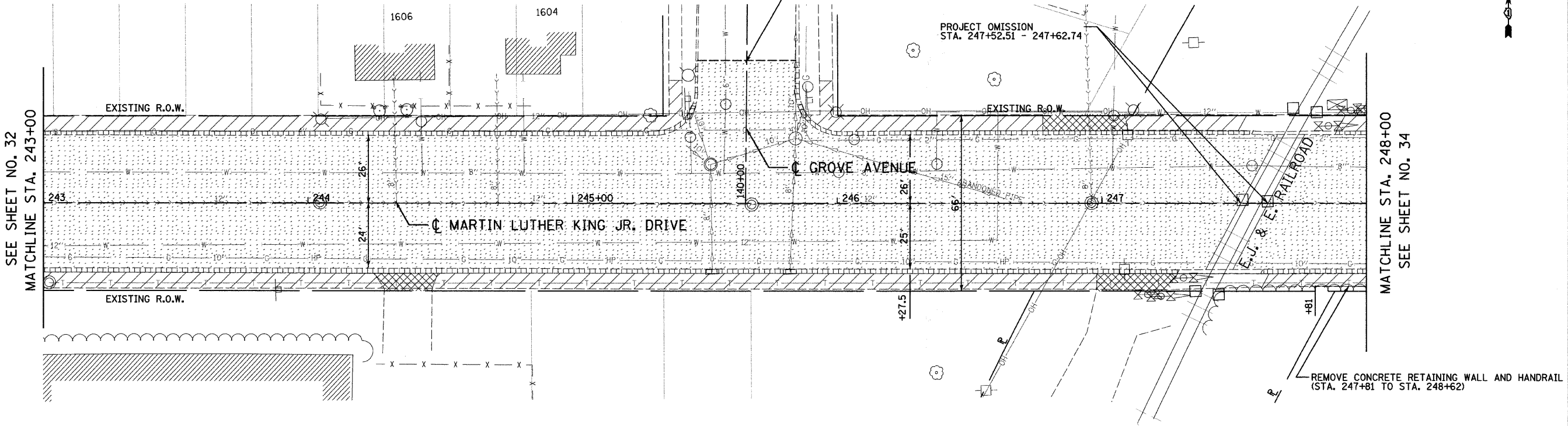
SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL

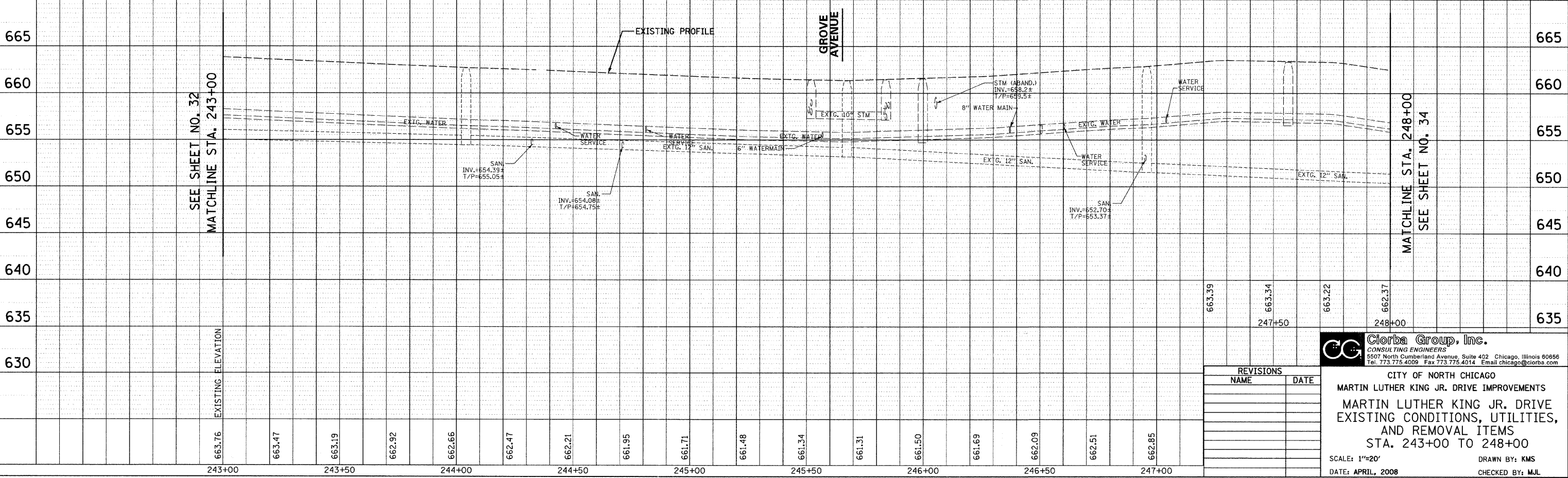
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	33
STA. 243+00		TO STA. 248+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT: 83828



PLAN	DATE
NO.	BY
NO.	BY
NO.	BY
NO.	BY

PROFILE	DATE
NO.	BY
NO.	BY
NO.	BY



DATE: 6/20/08
 TIME: 10:22 AM
 FILENAME: N:\PROJ\05161\Design\Removal\05161-REM-08.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 243+00 TO 248+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

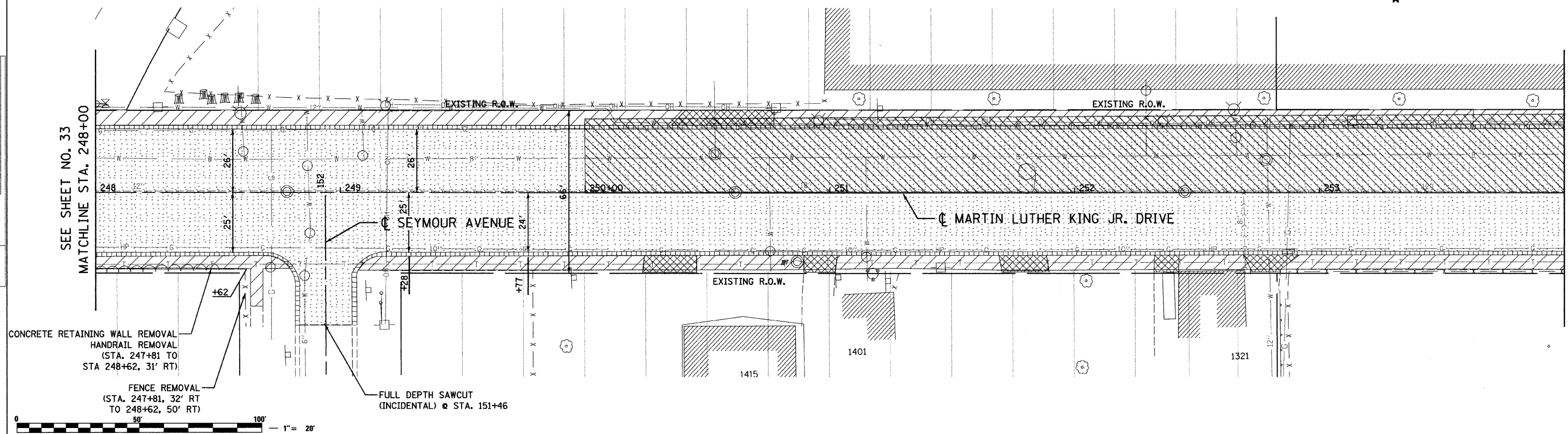
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	34
STA. 248+00		TO STA. 254+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT: 83828				

LEGEND

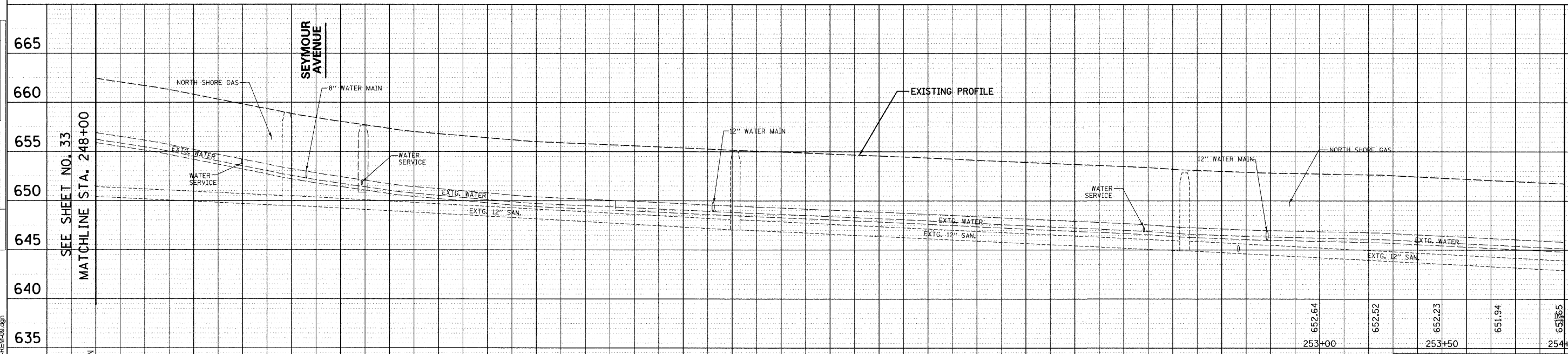
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		SPECIAL WASTE AREA
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL		HAZARDOUS WASTE AREA



PLAN
SURVEYED
NOTED
DATE
BY



PROFILE
SURVEYED
NOTED
DATE
BY



DATE: 6/30/2008
 FILENAME: N:\PROJ\161\Design\Removal\5161-REM-08.dgn

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 248+00 TO 254+00

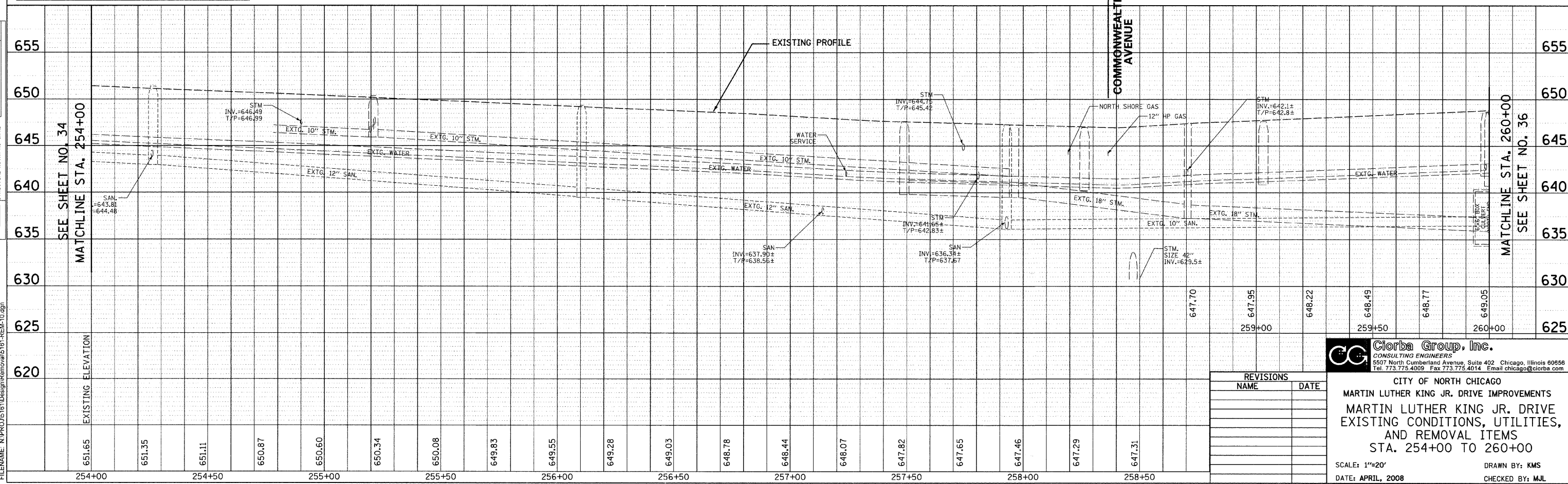
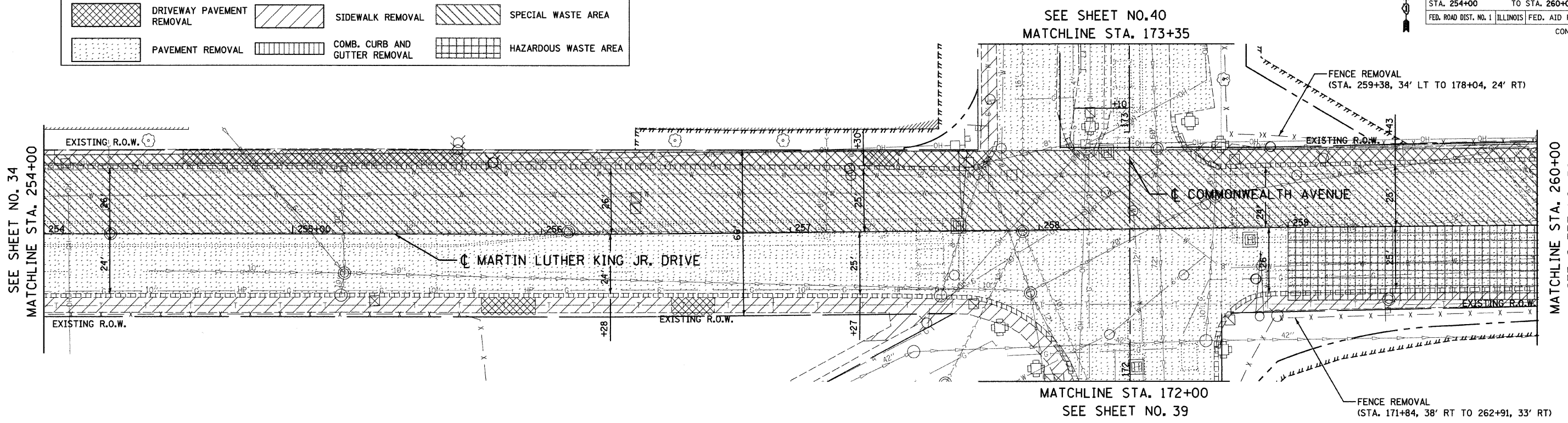
REVISIONS	
NAME	DATE

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	35
STA. 254+00 TO STA. 260+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				

LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		SPECIAL WASTE AREA
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL		HAZARDOUS WASTE AREA



PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

PROFILE	DATE
BY	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE: 6/30/2008
 FILENAME: N:\PROJ\05161\Design\Removal\05161-REM-10.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 254+00 TO 260+00

SCALE: 1"=20'
 DATE: APRIL, 2008

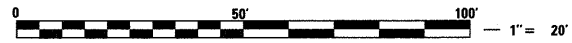
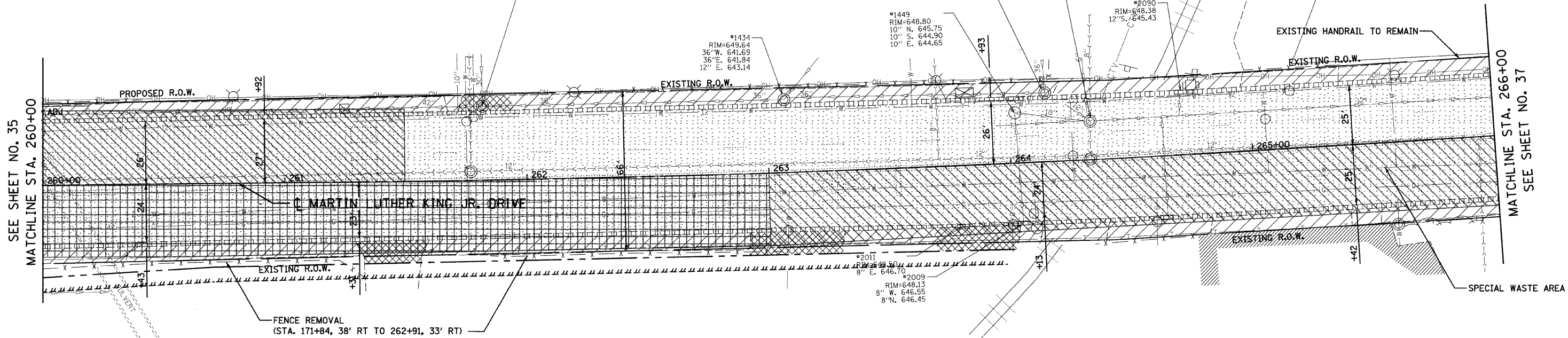
DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	36
STA. 260+00 TO STA. 266+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				

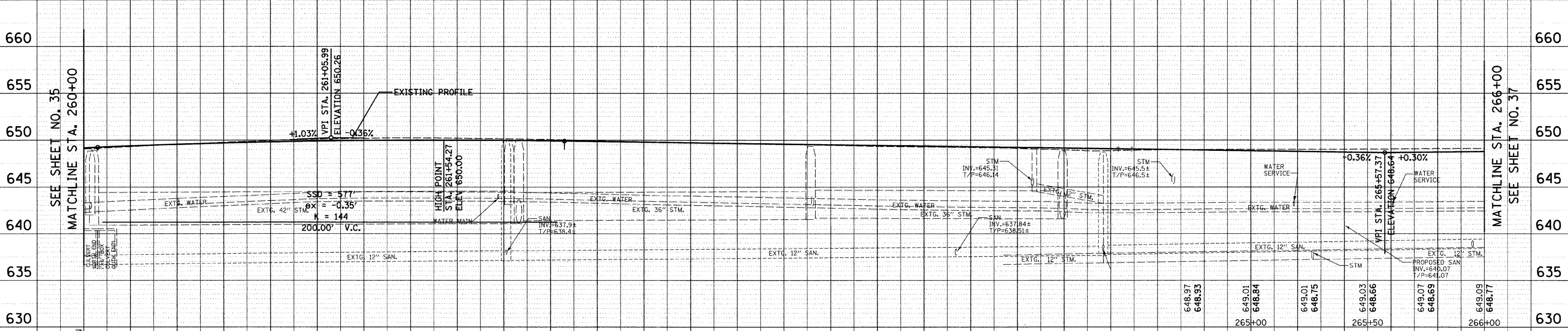
LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		SPECIAL WASTE AREA
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL		HAZARDOUS WASTE AREA

PLAN	DATE
BY	
NO.	
FILE NAME	



PROFILE	DATE
BY	
NO.	
FILE NAME	



DATE	DESCRIPTION
6/30/2009	DESIGN
7/15/2009	REVISION

STATION	ELEVATION
260+00	649.05
	649.17
	649.36
	649.41
260+50	649.65
	649.62
	649.91
	649.78
261+00	650.12
	649.89
	650.21
	649.97
261+50	650.23
	649.99
	650.16
	649.98
262+00	650.06
	649.92
	649.90
	649.83
	649.76
	649.74
	649.65
	649.65
	649.53
	649.56
	649.41
	649.47
263+00	649.30
	649.38
	649.22
	649.29
	649.11
	649.20
	648.89
	649.11
264+00	648.90
	649.02

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 260+00 TO 266+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230 03-00159-00-PV	LAKE	262	37	
STA. 266+00		TO STA. 272+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				



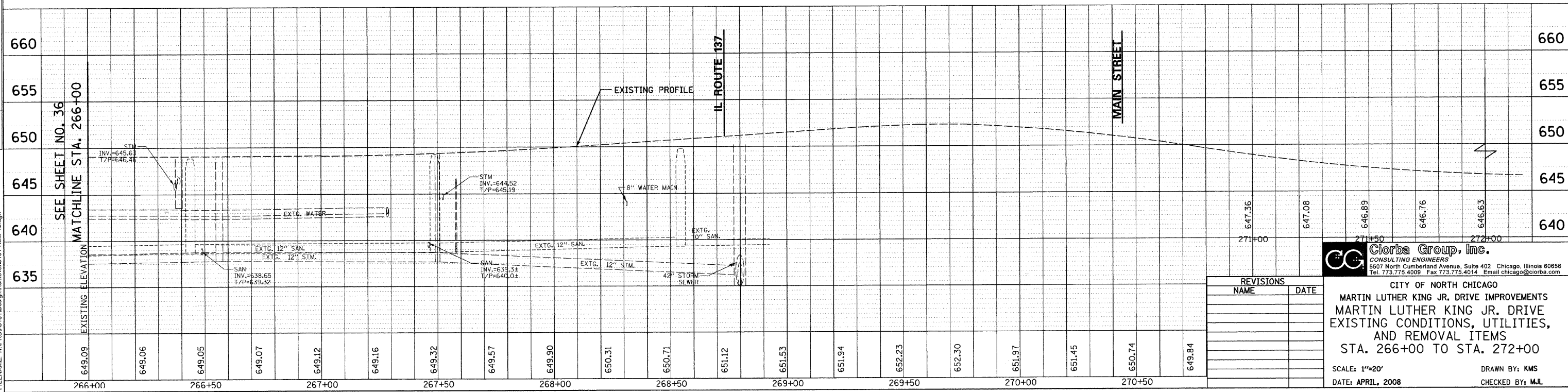
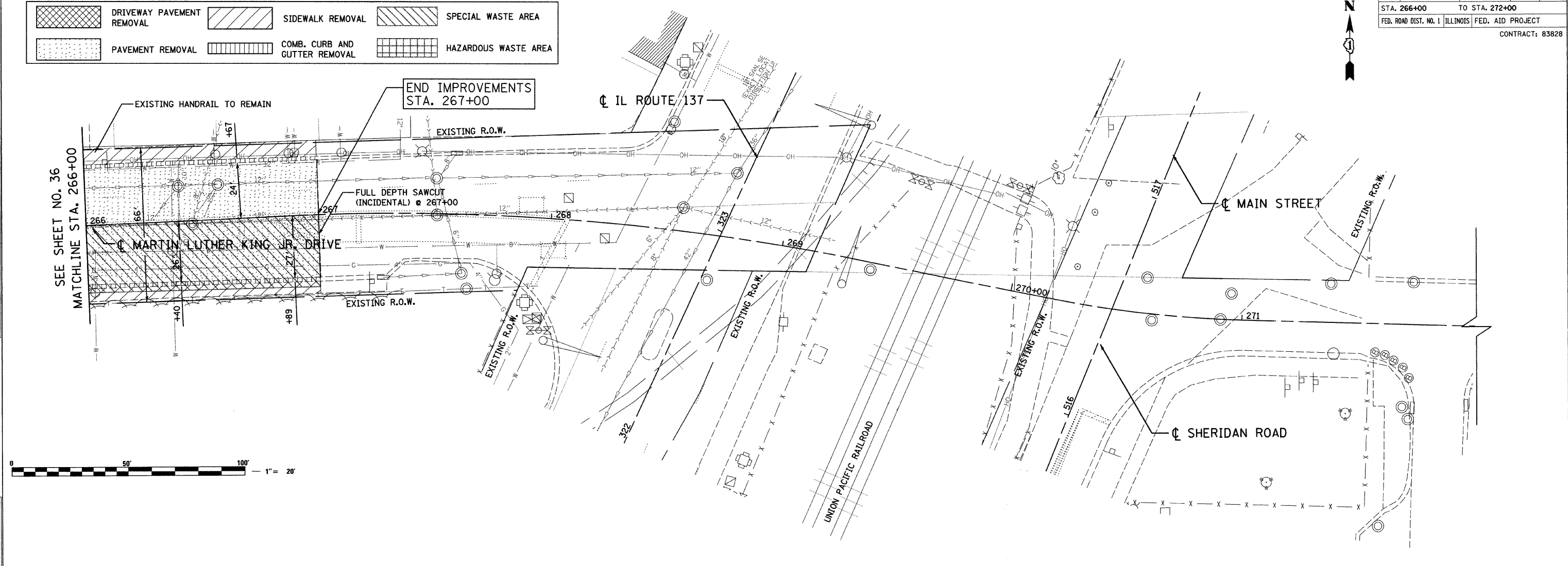
LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		SPECIAL WASTE AREA
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL		HAZARDOUS WASTE AREA

PLAN	DATE
BY	
REVISIONS	
ALIGNED CHECKED	
NO. 1	
NOTE BOOK	
NO.	
DATE	
FILE NAME	

PROFILE	DATE
BY	
REVISIONS	
GRADES CHECKED	
NO. 1	
STRUCTURE NOTATIONS	
NO.	

DATE: 6/30/2008
 TIME: 10:11:11 AM
 FILENAME: N:\PROJ\161\Design\Removal\161-REM-12.dgn



REVISIONS	
NAME	DATE

CC Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 266+00 TO STA. 272+00

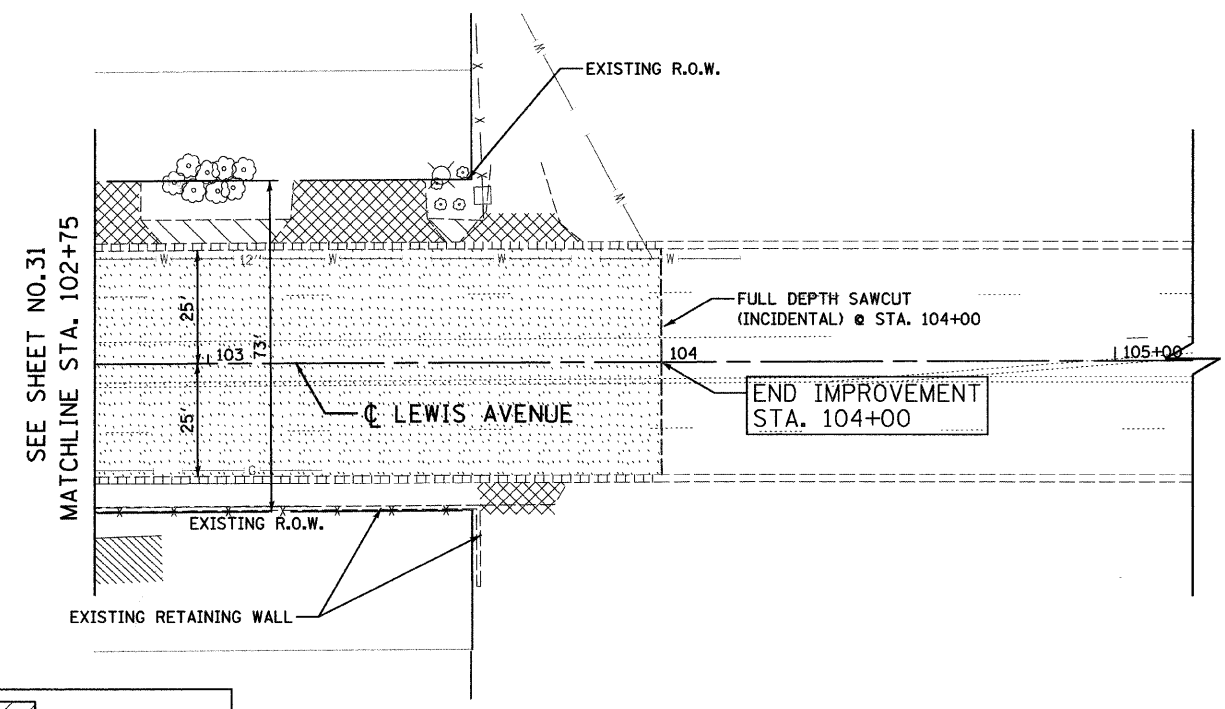
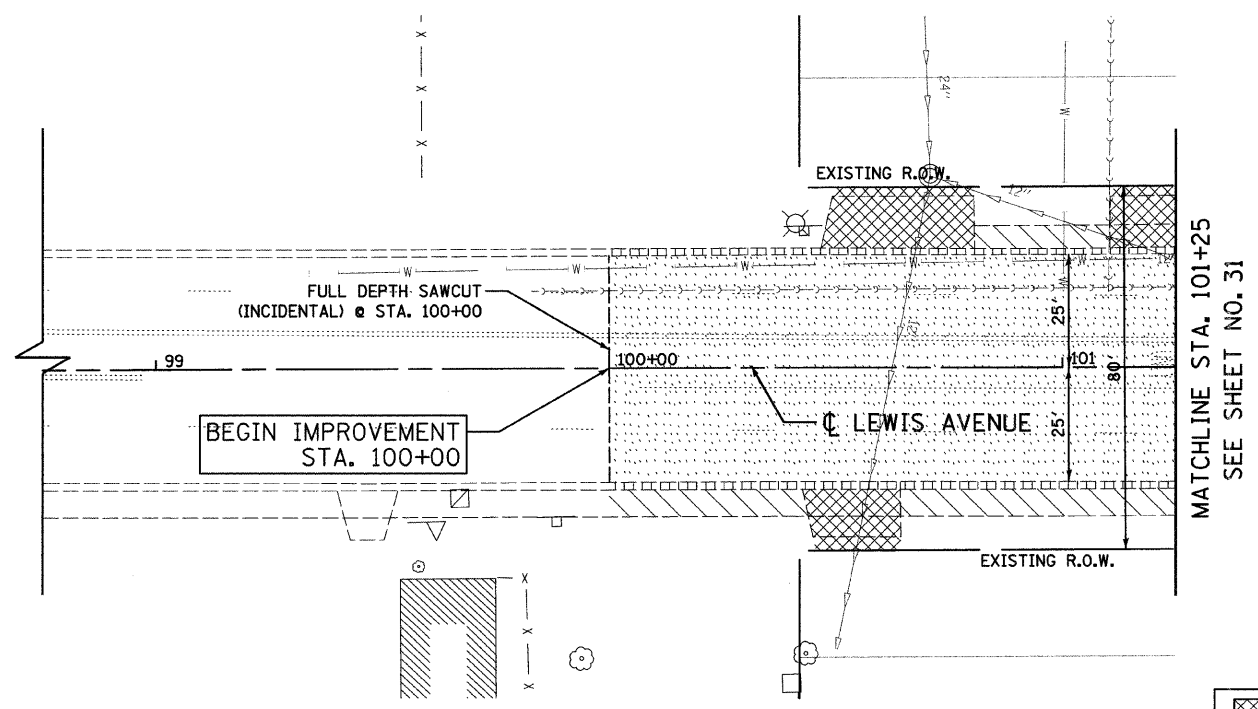
SCALE: 1"=20'
 DATE: APRIL, 2008

DRAWN BY: KMS
 CHECKED BY: MJL

PLAN	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
DESCRIPTION	

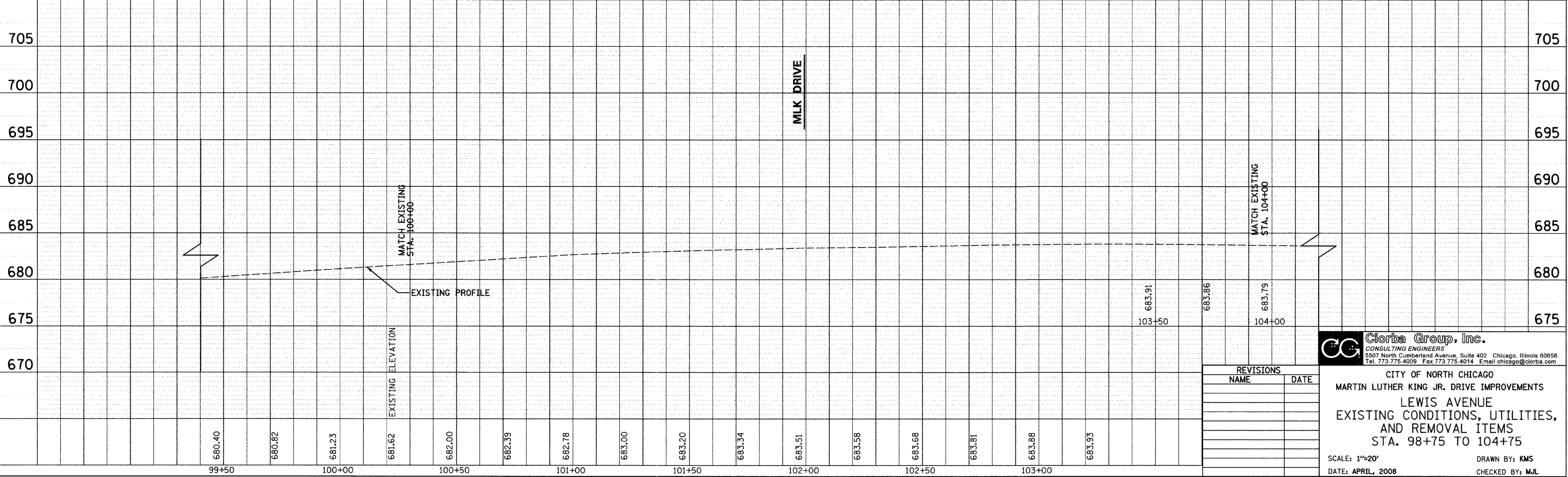
PROFILE	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
DESCRIPTION	

DATE: 6/30/2008
 TIME: 12:29 PM
 FILENAME: N:\PROJECTS\161\Design\Removal\161.REM-13.dgn



LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL



REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 LEWIS AVENUE
 EXISTING CONDITIONS, UTILITIES,
 AND REMOVAL ITEMS
 STA. 98+75 TO 104+75

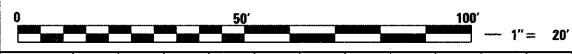
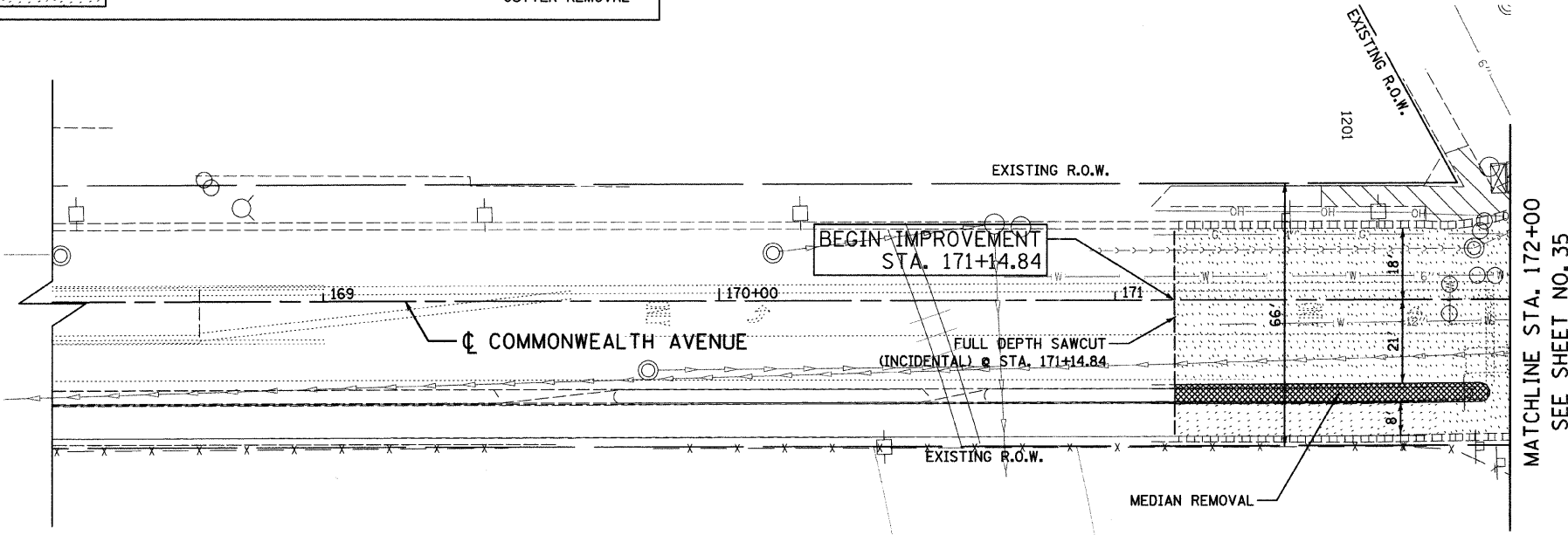
SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL



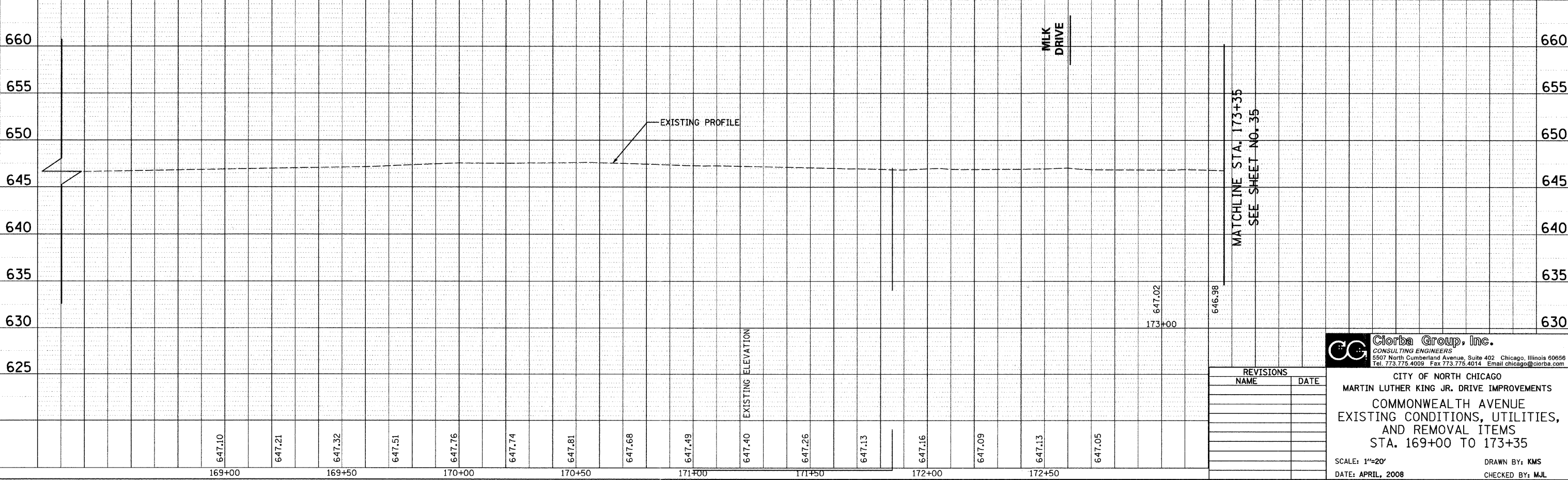
LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL

PLAN	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	



PROFILE	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	



REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
COMMONWEALTH AVENUE
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 169+00 TO 173+35

SCALE: 1"=20'
DATE: APRIL, 2008

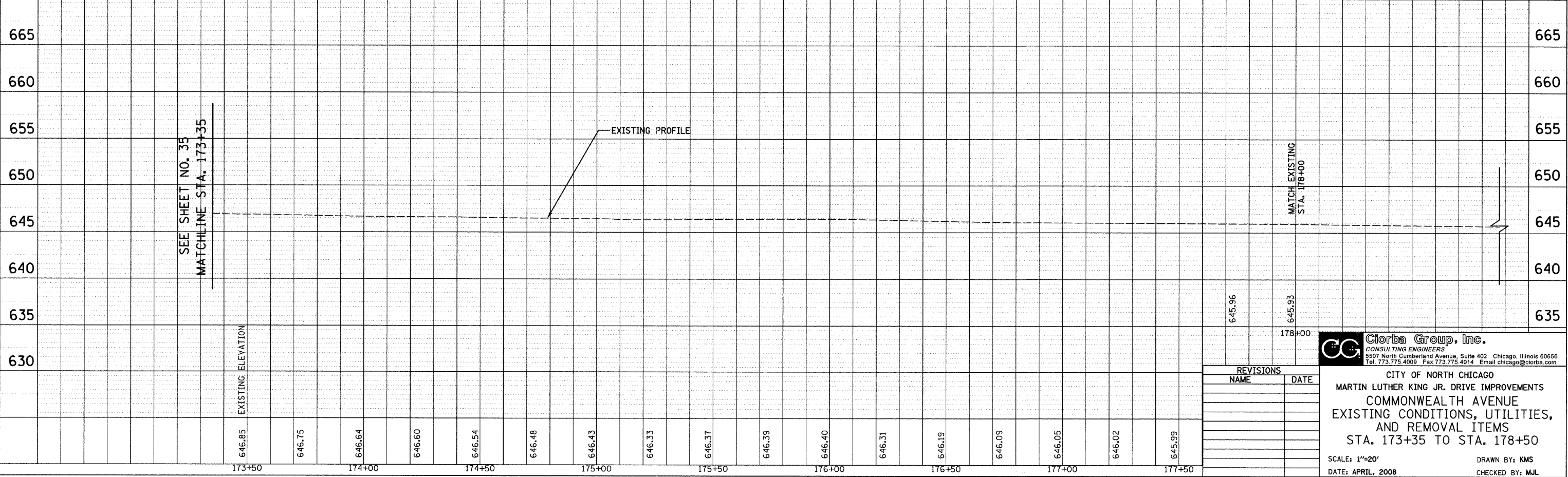
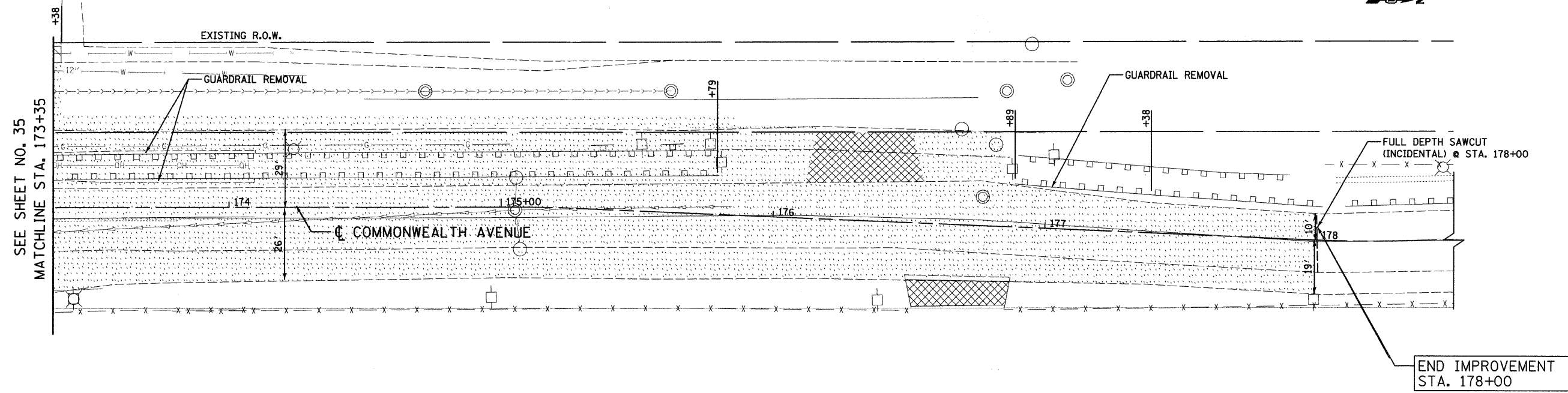
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 6/30/2008 11:42 AM
FILENAME: N:\PROJ\05161\Design\Removal\05161-REM-14.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	40
STA. 173+35		TO STA. 178+50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				

LEGEND

	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL
	PAVEMENT REMOVAL		COMB. CURB AND GUTTER REMOVAL



PLAN	REVISIONS	BY	DATE
NO.	NO.		

PROFILE	REVISIONS	BY	DATE
NO.	NO.		

DATE: 6/30/2008
TIME: 10:20 AM
FILENAME: N:\PROJECTS\161\Design\Removal\161-REM-15.dgn

SEE SHEET NO. 35
MATCHLINE STA. 173+35

REVISIONS	
NAME	DATE

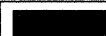
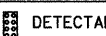

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
COMMONWEALTH AVENUE
EXISTING CONDITIONS, UTILITIES,
AND REMOVAL ITEMS
STA. 173+35 TO STA. 178+50

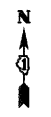
SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

LEGEND

-  DEPRESSED CURB
-  DETECTABLE WARNING FIELD
-  PAVEMENT IMPRINT

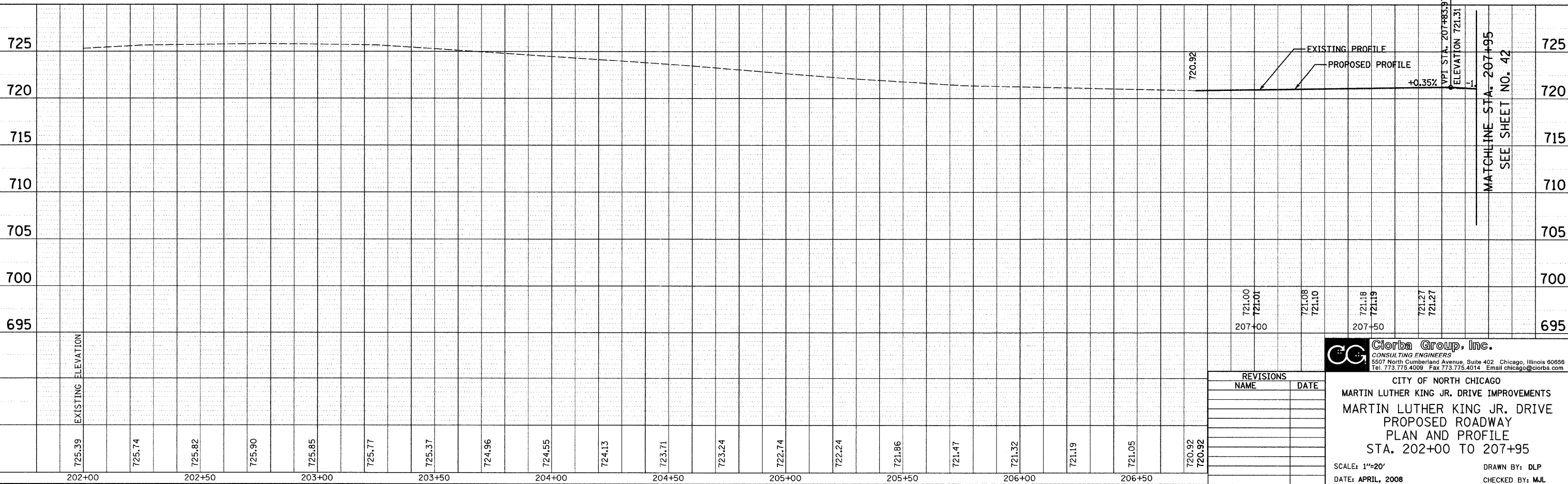
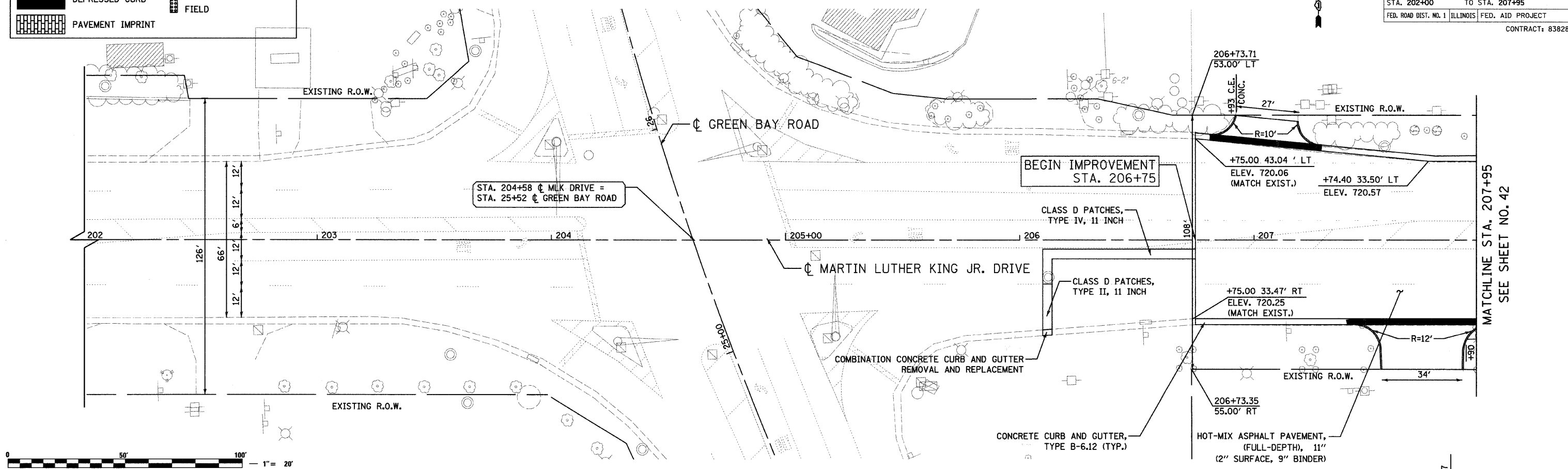
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	41
STA. 202+00		TO STA. 207+95		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



PLAN	SURVEYED	DATE
NO.	BY	
	NOTED	
	REVISIONS	
	FILE NAME	

PROFILE	SURVEYED	DATE
NO.	BY	
	NOTED	
	REVISIONS	
	FILE NAME	

DATE: 9/20/08
 TIME: 10:00 AM
 FILENAME: N:\PROJ\516\Design\ProposedPlan\516-LPNP-01.dgn



REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 202+00 TO 207+95

SCALE: 1"=20'
 DATE: APRIL, 2008

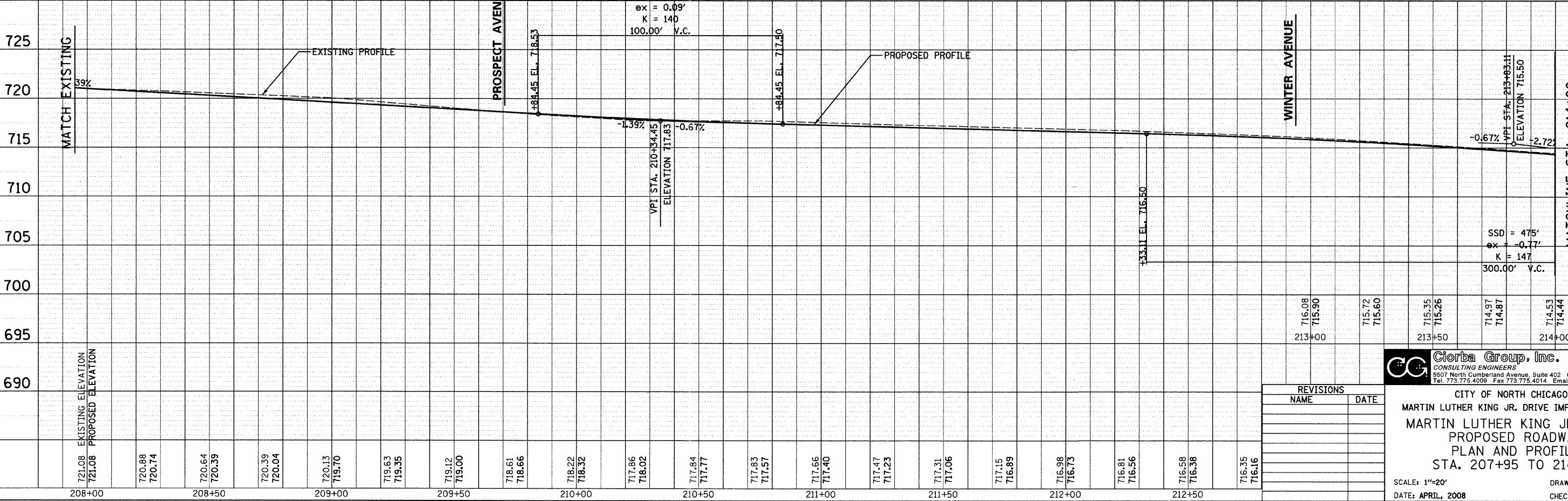
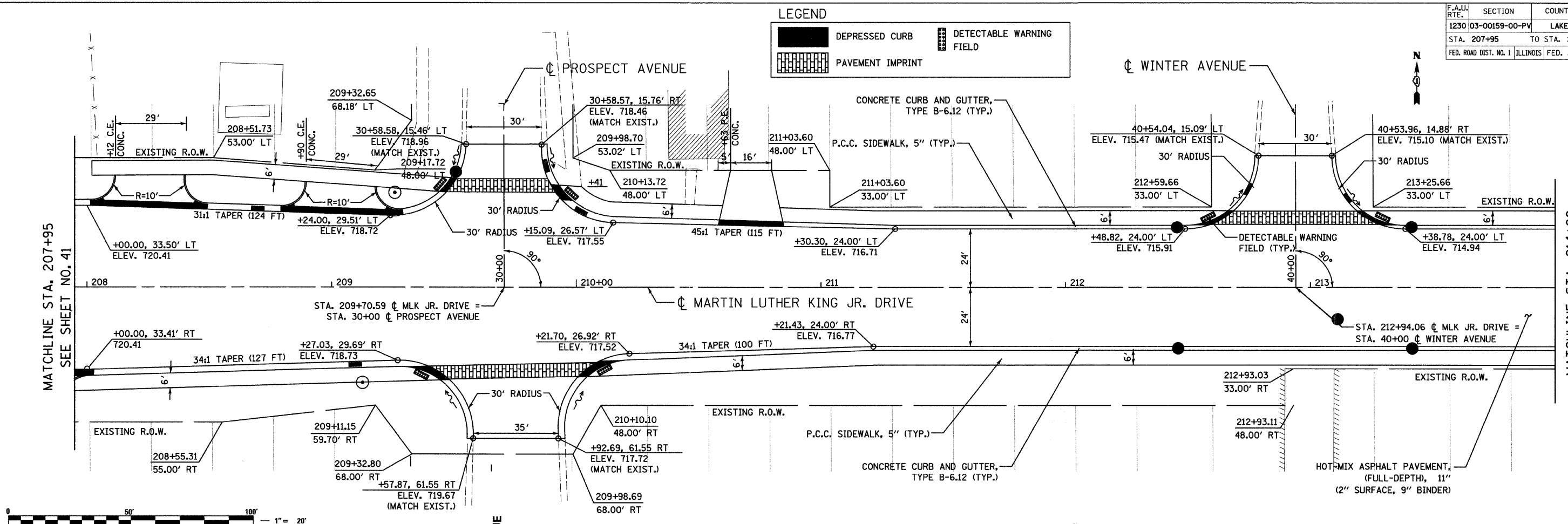
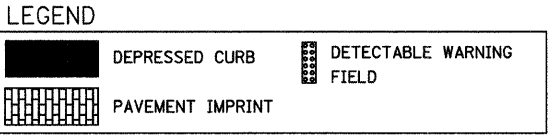
DRAWN BY: DLP
 CHECKED BY: MJL

PLAN	DATE

PROFILE	DATE

DATE: 6/20/08
 FILENAME: N:\PROJ\151\Design\ProposedPlan\151-PNP-12.dgn

F.A.I.D. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230 03-00159-00-PV	LAKE	262	42
STA. 207+95 TO STA. 214+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT: 83828





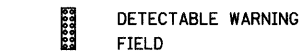
REVISIONS	
NAME	DATE

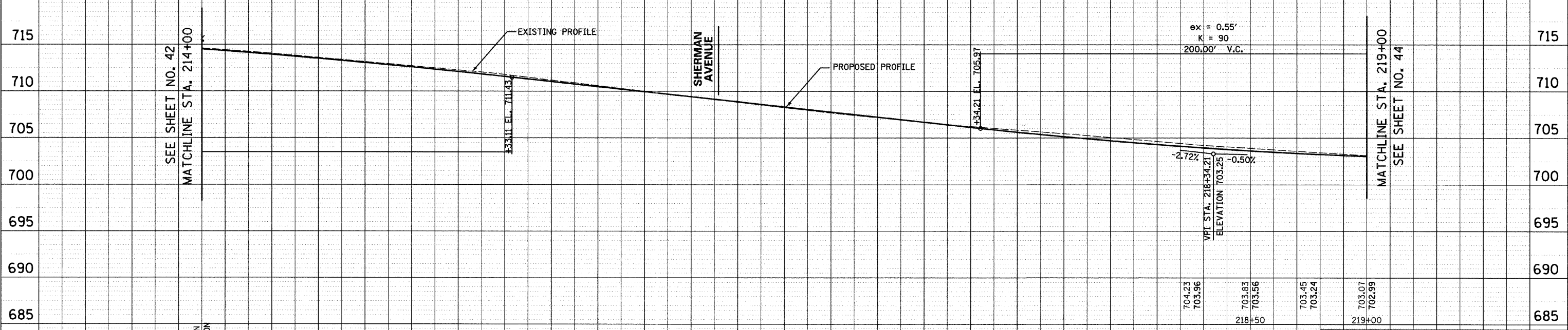
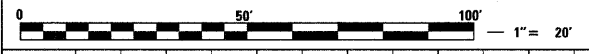
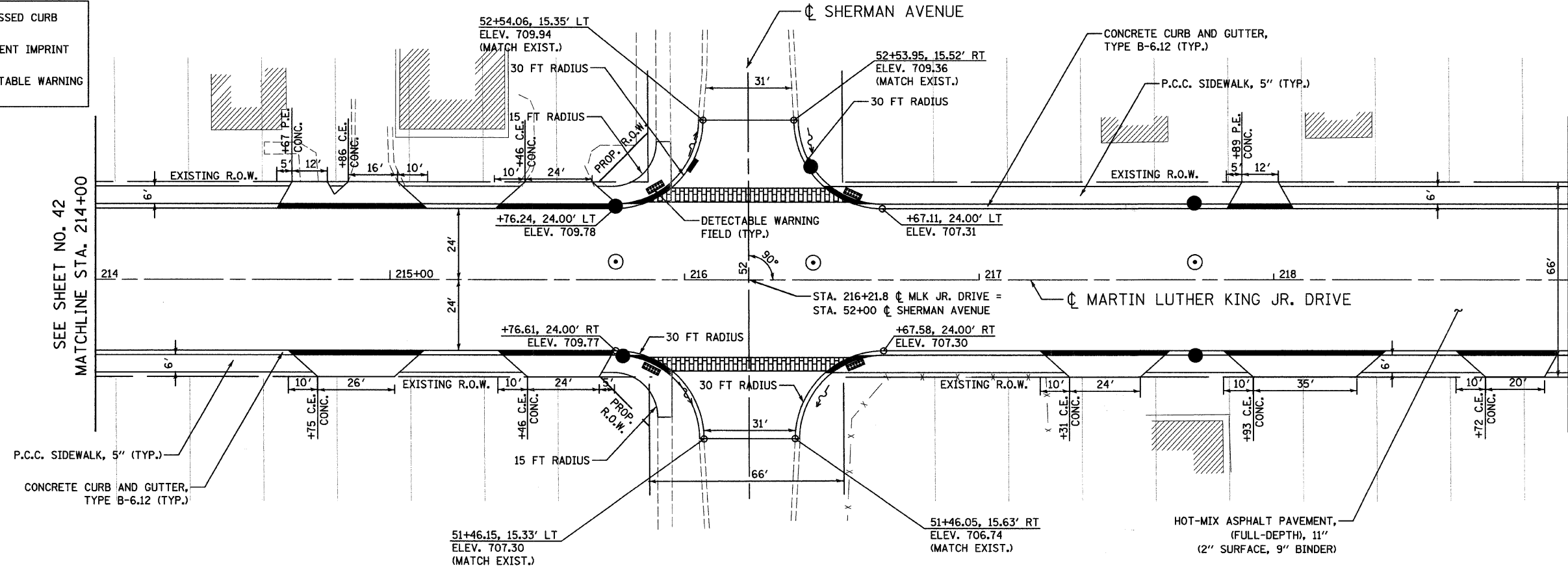
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 207+95 TO 214+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

LEGEND

-  DEPRESSED CURB
-  PAVEMENT IMPRINT
-  DETECTABLE WARNING FIELD



EXISTING ELEVATION	PROPOSED ELEVATION
714.53	714.44
714.09	713.96
713.54	713.45
712.99	712.89
712.43	712.29
711.87	711.64
711.12	710.97
710.37	710.29
709.64	709.61
708.90	708.93
708.19	708.25
707.49	707.57
706.88	706.89
706.27	706.22
705.78	705.55
705.30	704.95
704.77	704.42

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED ROADWAY
PLAN AND PROFILE
STA. 214+00 TO 219+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 6/30/2008 TIME: 3:36:16 PM
FILENAME: N:\PROJ\05161\Design\Proposed\Plan\5161-PNP-03.dgn
PROFILE: NO. 1
STRUCTURE: NOTATION: CHKO
GRADES CHECKED:
NOTES CHECKED:
PLOTS:
BY:
DATE:
PLAN: NO. 1
NOTE BOOK:
CADD FILE NAME:
NO.:

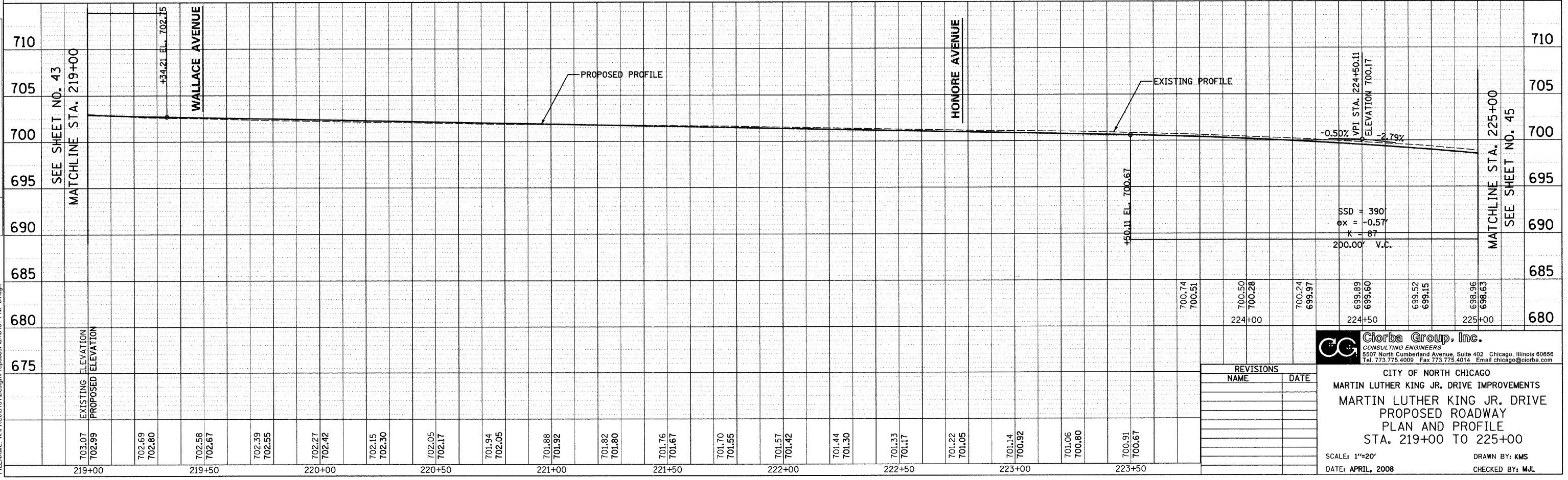
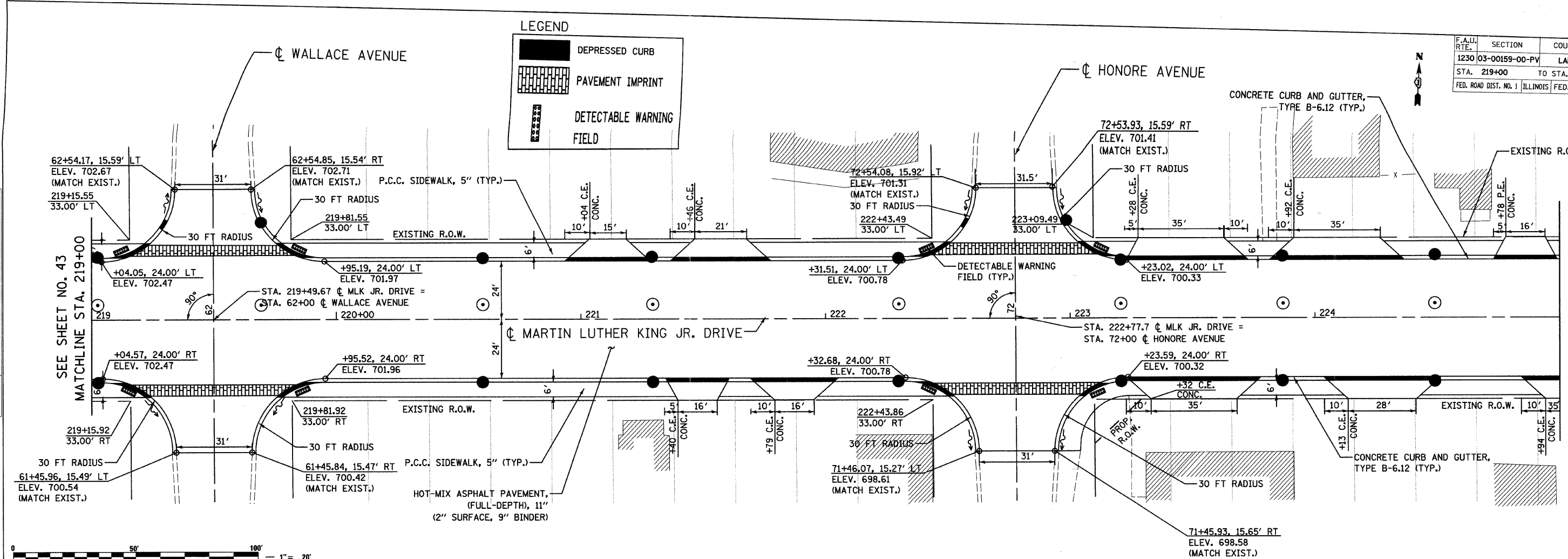
SEE SHEET NO. 42
MATCHLINE STA. 214+00

MATCHLINE STA. 219+00
SEE SHEET NO. 44

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	44
STA. 219+00		TO STA. 225+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT: 83828				

LEGEND

- DEPRESSED CURB
- PAVEMENT IMPRINT
- DETECTABLE WARNING FIELD



PLAN

DATE	BY
SURVEYED	ALIGNED
CHECKED	CHECKED
NO. OF	NO. OF
NOTES	NOTES
BOOK	BOOK
NO.	NO.

PROFILE

DATE	BY
SURVEYED	ALIGNED
CHECKED	CHECKED
NO. OF	NO. OF
NOTES	NOTES
BOOK	BOOK
NO.	NO.

DATE: 6/30/2008
 TIME: 3:36:35 PM
 FILENAME: N:\PROJ\15161\Design\Proposed\Plans\15161-PMP-04.dgn

REVISIONS

NAME	DATE

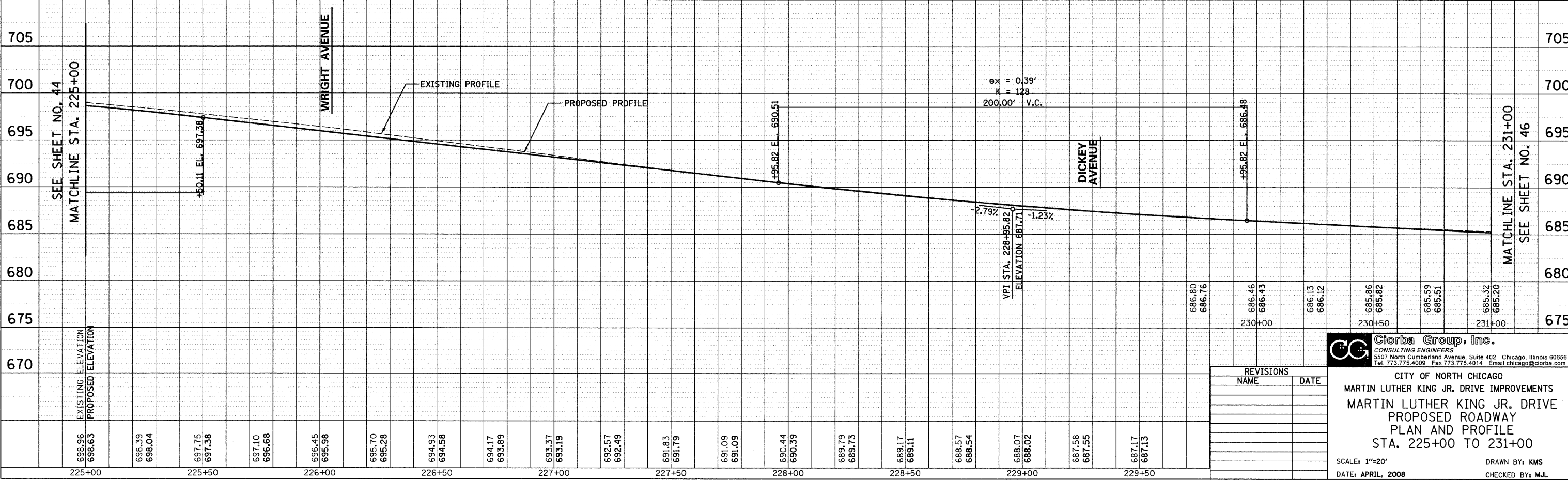
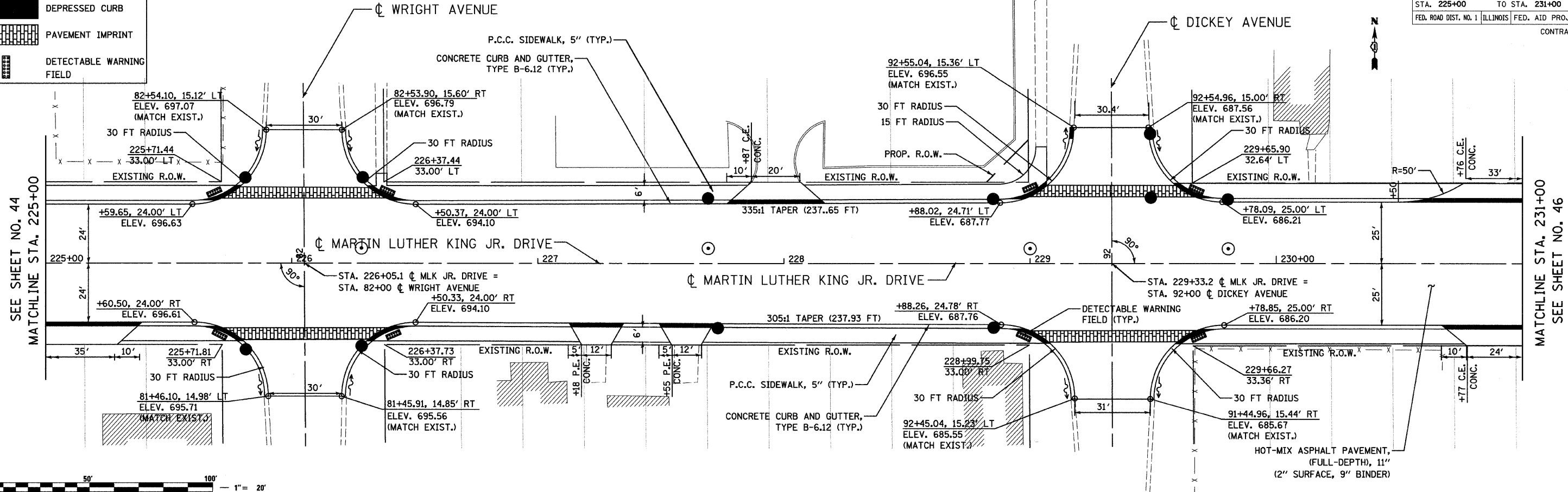
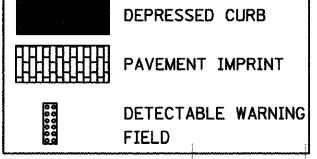
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 219+00 TO 225+00

SCALE: 1"=20'
 DATE: APRIL, 2008

DRAWN BY: KMS
 CHECKED BY: MJL

LEGEND



DATE	BY
DESIGNED	PLANNED
CHECKED	CHECKED
NO.	NO.

DATE	BY
DESIGNED	PLANNED
CHECKED	CHECKED
NO.	NO.

DATE: 6/30/2008
 TIME: 3:26:46 PM
 FILENAME: N:\PROJECTS\161\Design\Proposed\Plan\161-PNP-05.dgn

Clorba Group, Inc.
 CONSULTING ENGINEERS
 3507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 225+00 TO 231+00

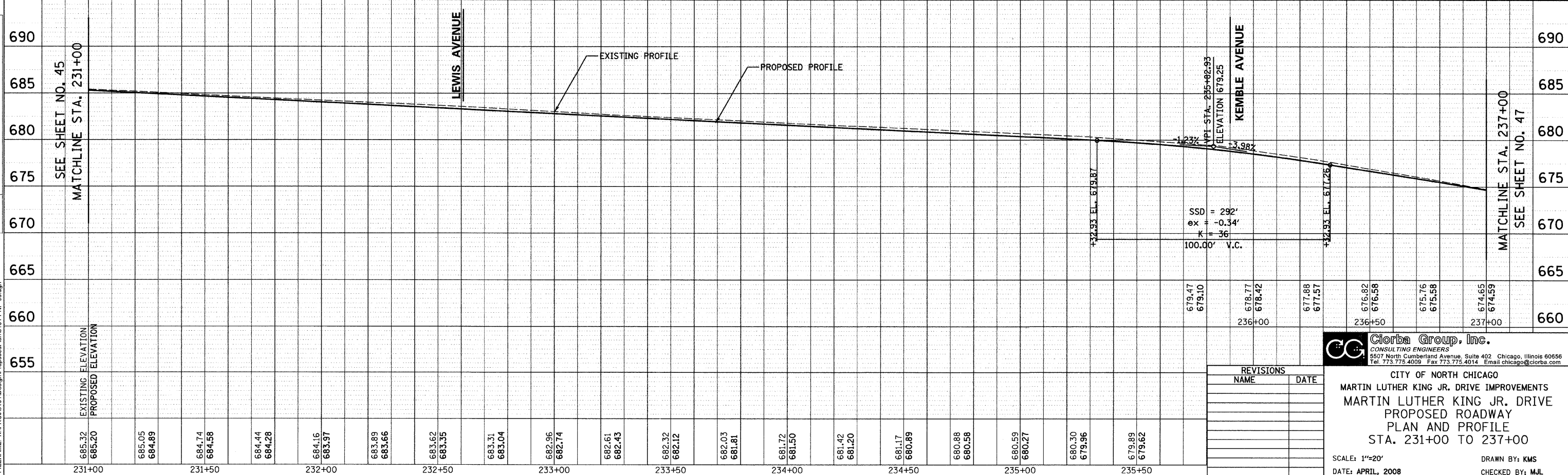
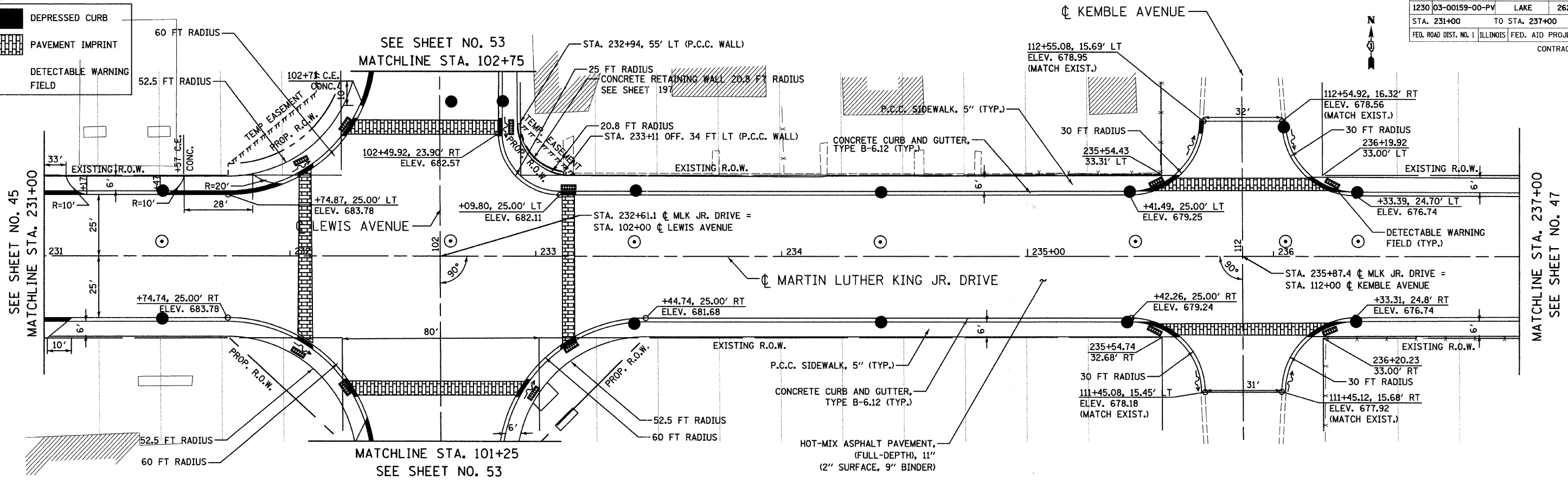
SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

REVISIONS	
NAME	DATE

LEGEND

- DEPRESSED CURB
- PAVEMENT IMPRINT
- DETECTABLE WARNING FIELD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	46
STA. 231+00 TO STA. 237+00				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@ciorga.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED ROADWAY
PLAN AND PROFILE
STA. 231+00 TO 237+00

SCALE: 1"=20' DRAWN BY: KMS
DATE: APRIL, 2008 CHECKED BY: MJL

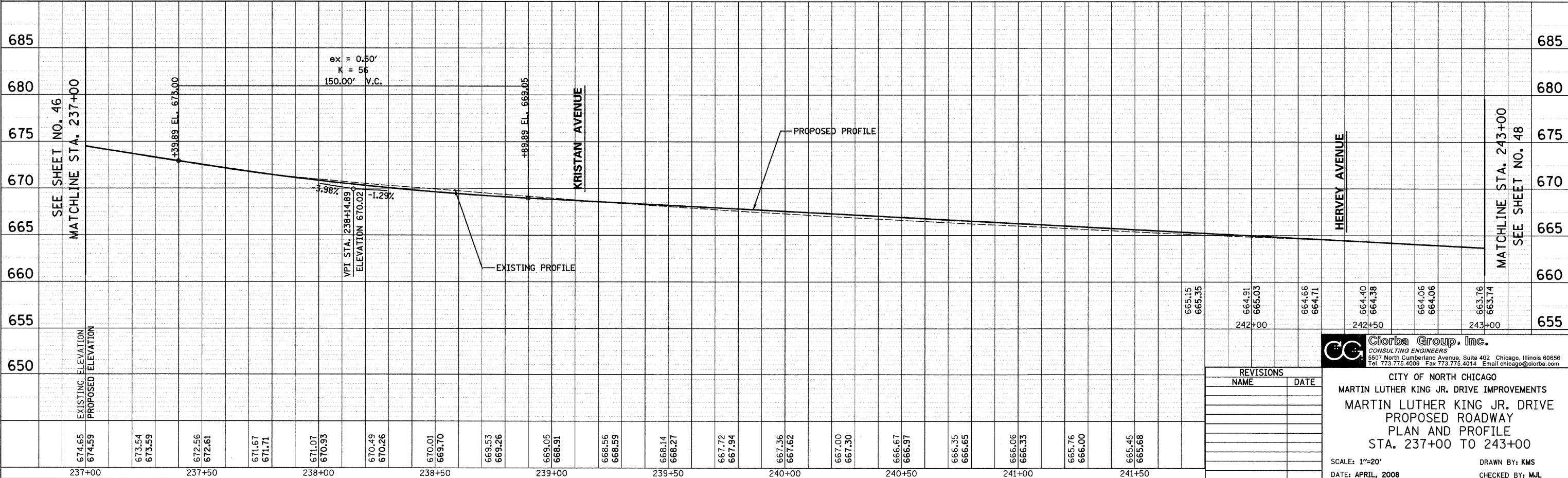
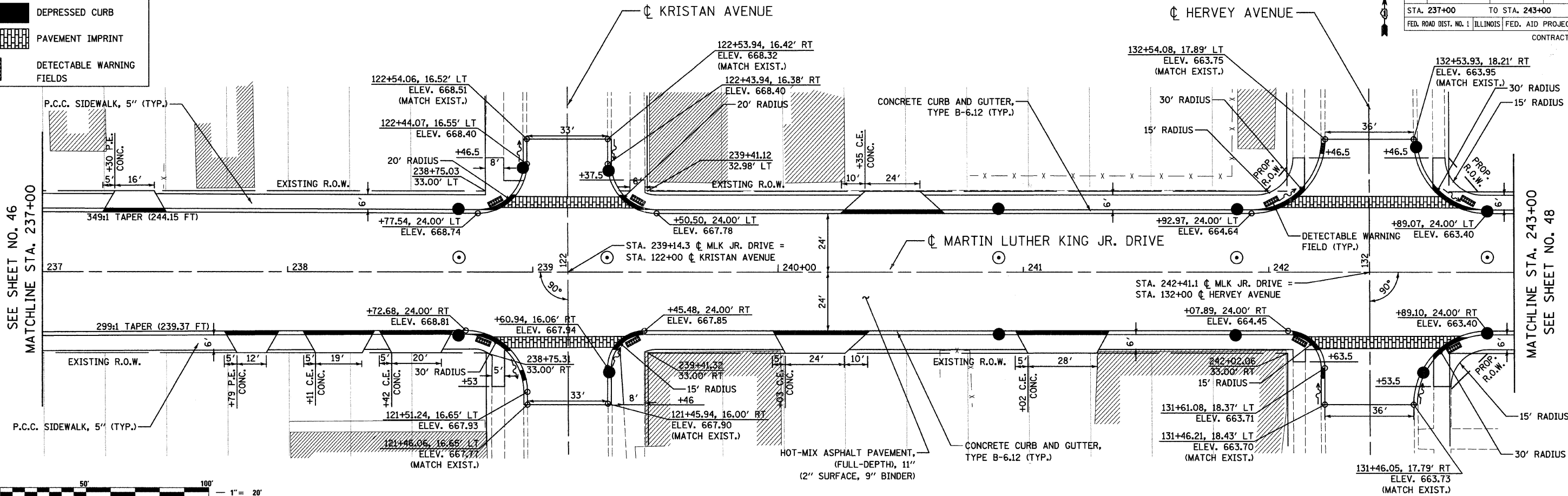
DATE	
BY	
REVISIONS	
NOTES	
PLAN	
NO.	
CAD FILE NAME	

DATE	
BY	
REVISIONS	
NOTES	
PROFILE	
NO.	
STRUCTURE	
NOTATIONS	

DATE: 6/30/2008
TIME: 3:37:00 PM
FILENAME: N:\PROJECTS\16\Design\ProposedPlans\16-L-PNP-08.dgn

LEGEND

	DEPRESSED CURB
	PAVEMENT IMPRINT
	DETECTABLE WARNING FIELDS



DATE: 6/30/2008
 TIME: 3:37:19 PM
 FILENAME: N:\PROJECTS\61\Design\Proposed\Plan\5161-PMP-07.dgn

DATE: 6/30/2008
 TIME: 3:37:19 PM
 FILENAME: N:\PROJECTS\61\Design\Proposed\Plan\5161-PMP-07.dgn

DATE: 6/30/2008
 TIME: 3:37:19 PM
 FILENAME: N:\PROJECTS\61\Design\Proposed\Plan\5161-PMP-07.dgn

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

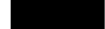


CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 237+00 TO 243+00

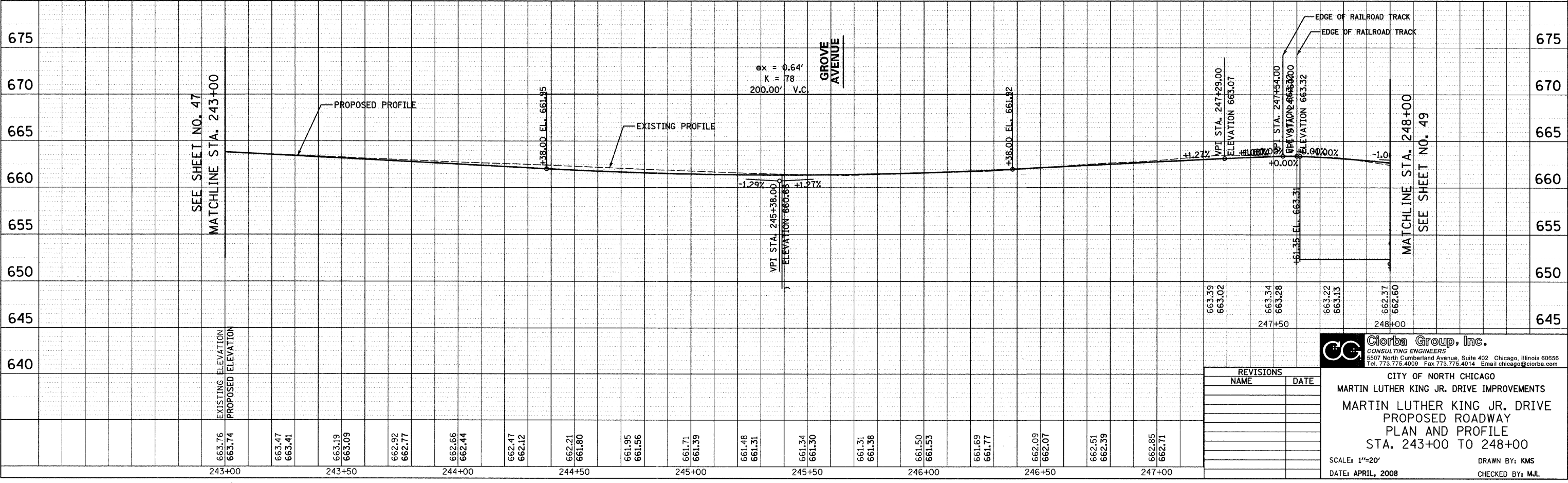
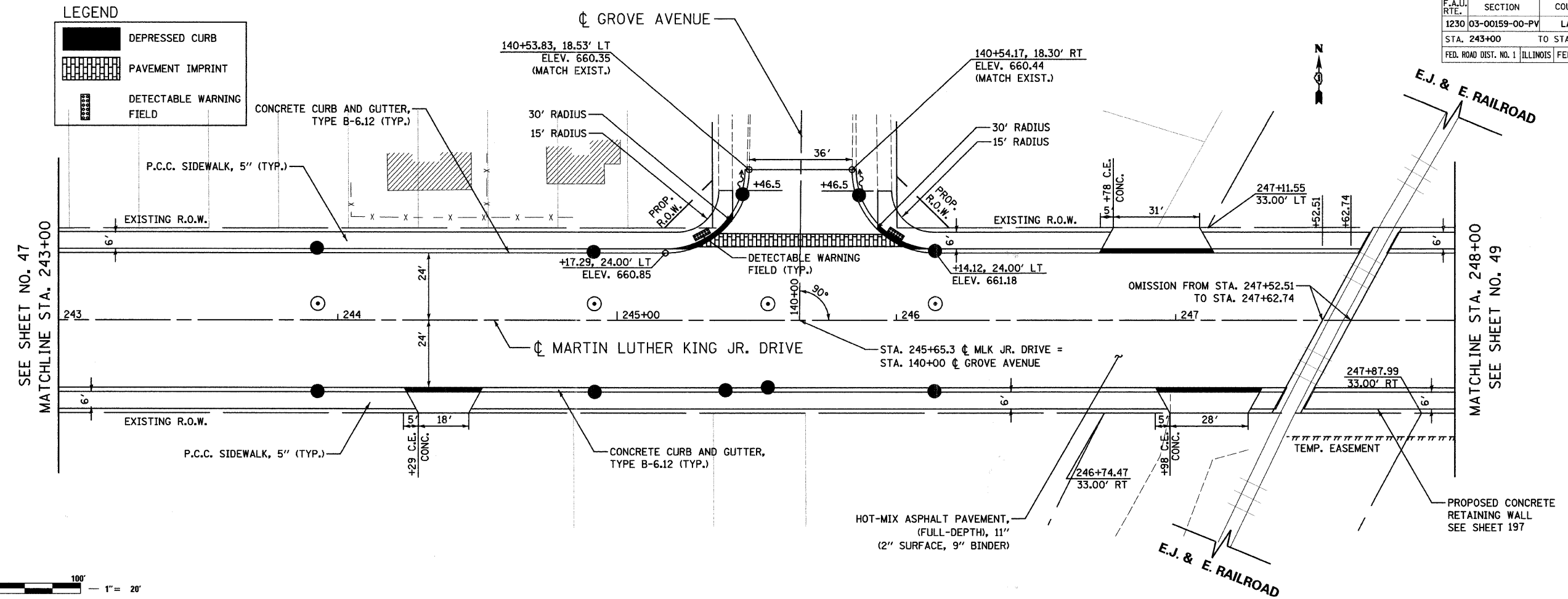
REVISIONS	
NAME	DATE

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	48
STA. 243+00	TO STA. 248+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
CONTRACT: 83828				

LEGEND

-  DEPRESSED CURB
-  PAVEMENT IMPRINT
-  DETECTABLE WARNING FIELD



DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE: 6/30/2008
 TIME: 3:37:31 PM
 FILENAME: N:\PROJ\1516\Design\ProposedPlan\1516_PNP_08.dgn




REVISIONS	
NAME	DATE

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@ciorba.com

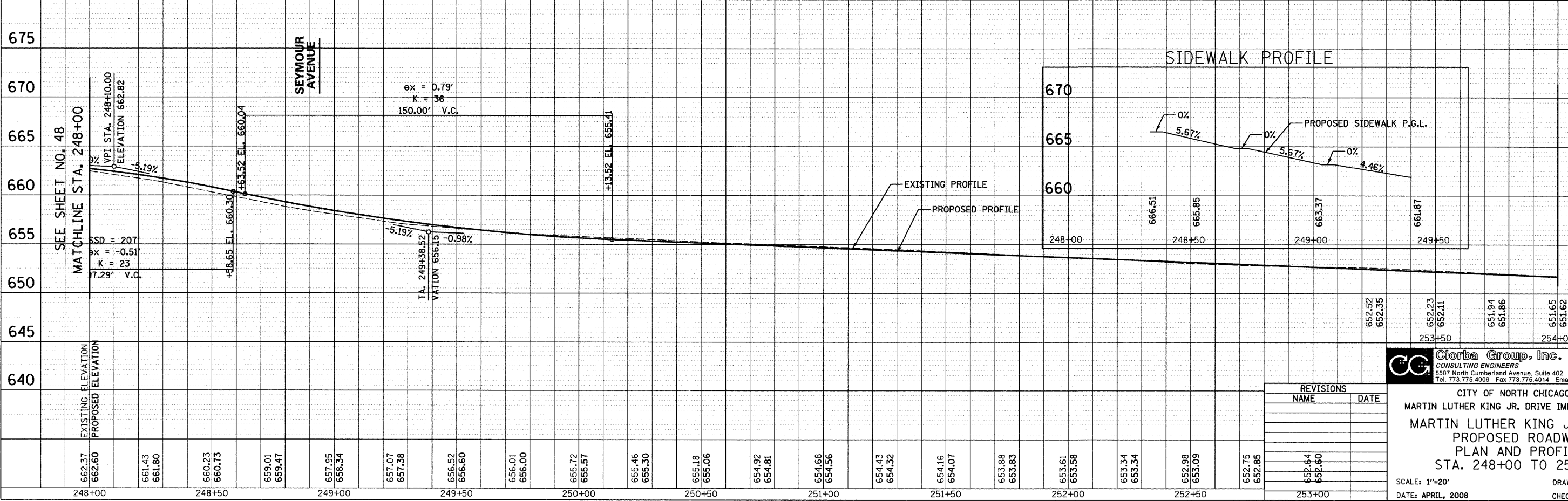
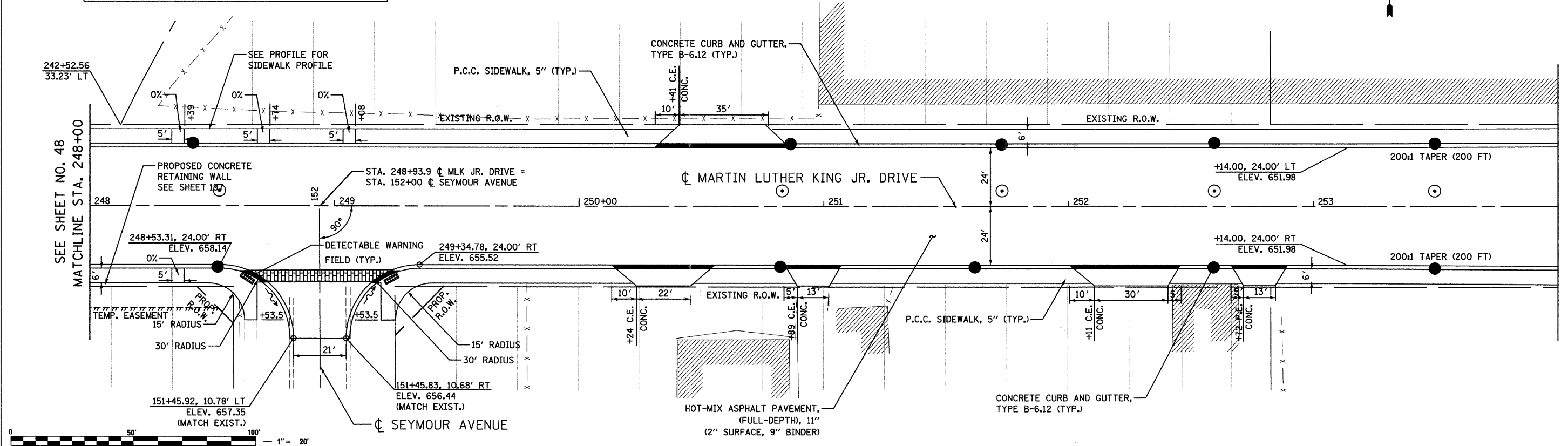
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 243+00 TO 248+00

SCALE: 1"=20' DRAWN BY: KMS
 DATE: APRIL, 2008 CHECKED BY: MJL

LEGEND

-  DEPRESSED CURB
-  DETECTABLE WARNING FIELD
-  PAVEMENT IMPRINT

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	49
STA. 248+00		TO STA. 254+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT: 83828				



Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 248+00 TO 254+00

REVISIONS	
NAME	DATE

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

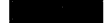
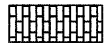

DATE	BY

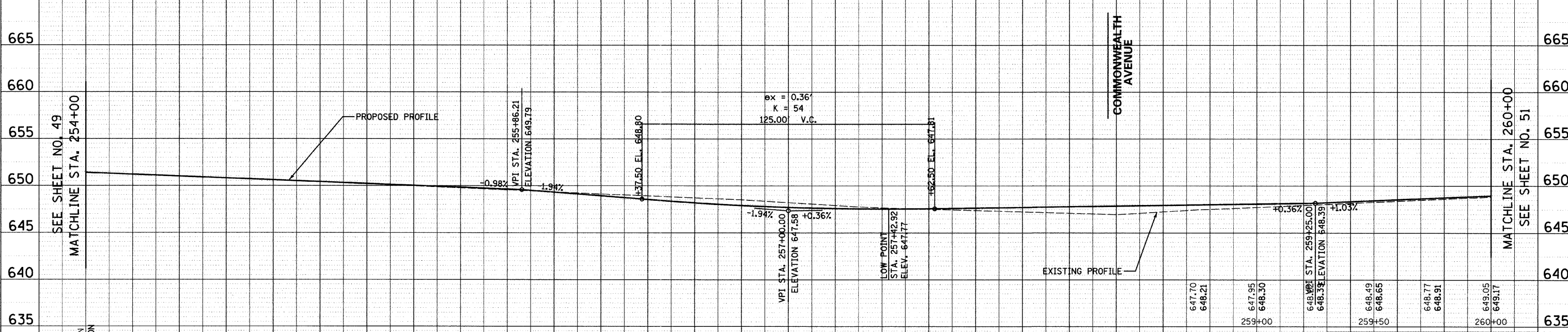
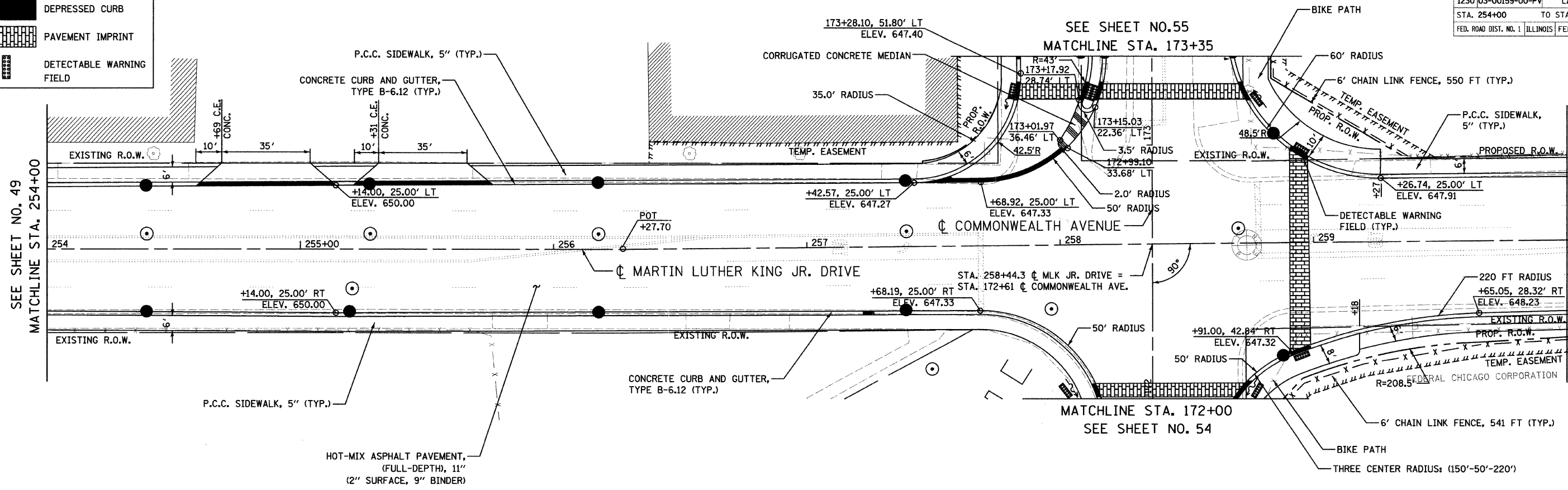
DATE	BY

DATE: 6/30/2008
 TIME: 3:37:43 PM
 FILENAME: N:\PROJECTS\161\Design\Proposed\Plan\161-L-PPW-09.dgn

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	50
STA. 254+00		TO STA. 260+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				

LEGEND

-  DEPRESSED CURB
-  PAVEMENT IMPRINT
-  DETECTABLE WARNING FIELD



DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE: 6/30/2008
 TIME: 3:37:54 PM
 FILENAME: N:\PROJ\05161\Design\ProposedPlan\5161-PNP-10.dgn

651.65	EXISTING ELEVATION	649.83	649.90	649.55	649.52	649.28	649.04	649.03	648.57	648.78	648.20	648.44	647.94	648.07	647.80	647.82	647.78	647.65	647.85	647.46	647.94	647.29	648.03	647.31	648.12
651.62	PROPOSED ELEVATION	649.90	649.55	649.52	649.28	649.04	649.03	648.57	648.78	648.20	648.44	647.94	648.07	647.80	647.82	647.78	647.65	647.85	647.46	647.94	647.29	648.03	647.31	648.12	648.23
254+00		254+50	255+00	255+50	256+00	256+50	257+00	257+50	258+00	258+50	259+00	259+50	260+00												

REVISIONS	
NAME	DATE

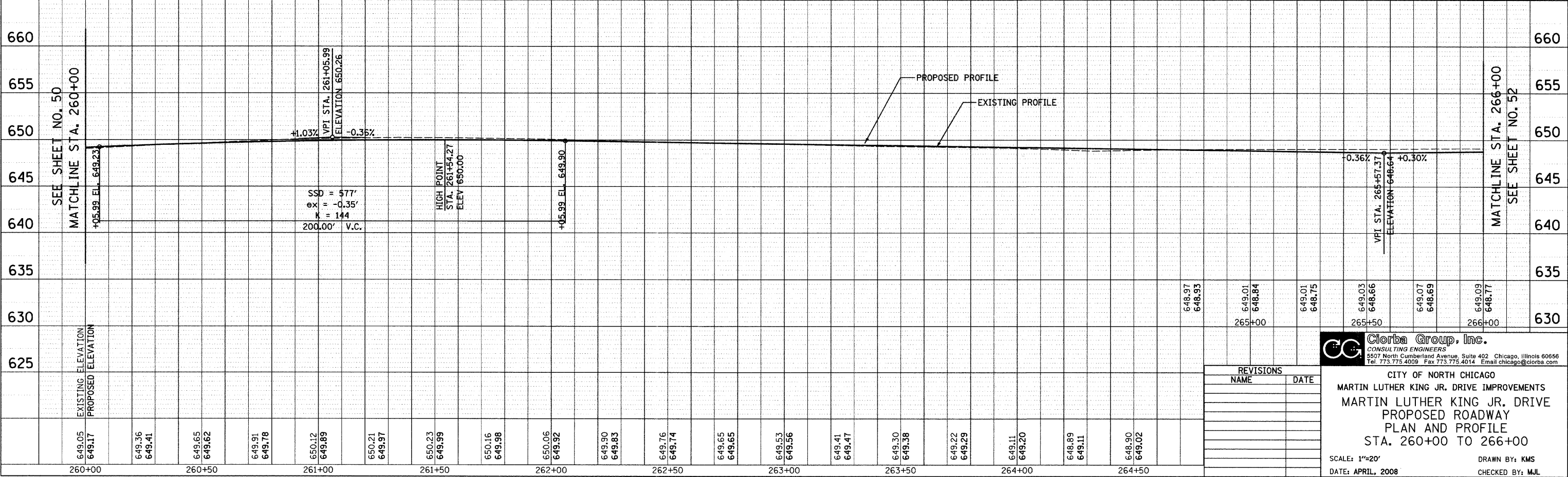
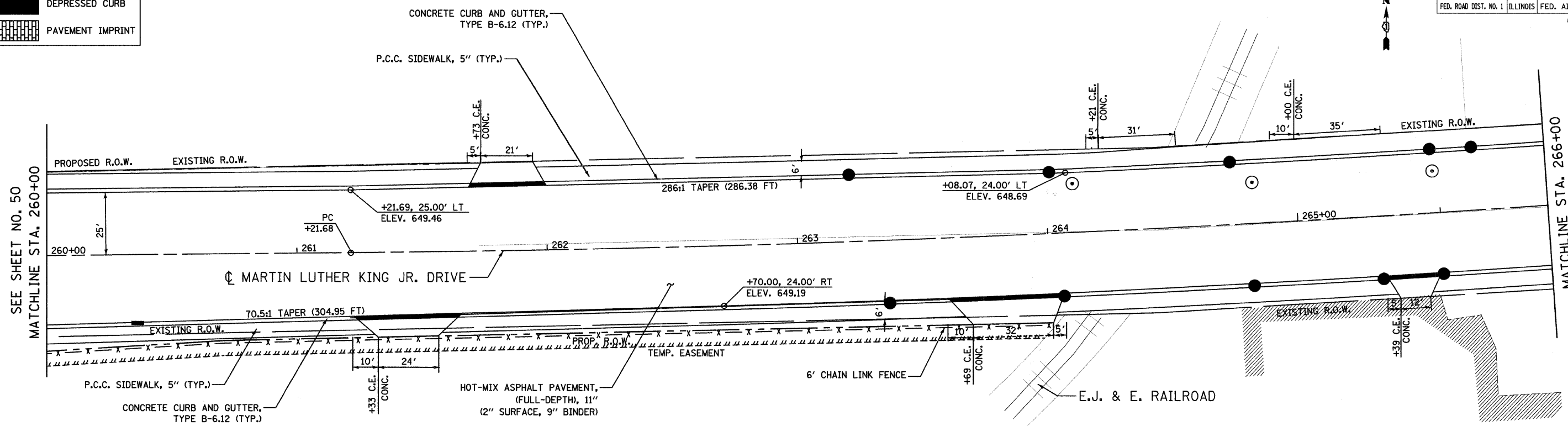
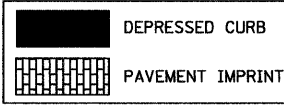
Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 254+00 TO 260+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
1230 03-00159-00-PV LAKE 262 51
STA. 260+00 TO STA. 266+00
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
CONTRACT: 83828

LEGEND



DATE	BY
REVISION	BY
PLANNED	BY
NOTED	BY
NO. 1	BY
NO. 2	BY
NO. 3	BY
NO. 4	BY
NO. 5	BY
NO. 6	BY
NO. 7	BY
NO. 8	BY
NO. 9	BY
NO. 10	BY

DATE	BY
REVISION	BY
PROFILES	BY
GRADES	BY
STRUCTURE	BY
NOTATIONS	BY
NO. 1	BY
NO. 2	BY
NO. 3	BY
NO. 4	BY
NO. 5	BY
NO. 6	BY
NO. 7	BY
NO. 8	BY
NO. 9	BY
NO. 10	BY

DATE: 6/30/2008
 TIME: 3:38:07 PM
 FILENAME: N:\PROJECTS\161\Design\ProposedPlan\5161-PNP-11.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 260+00 TO 266+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

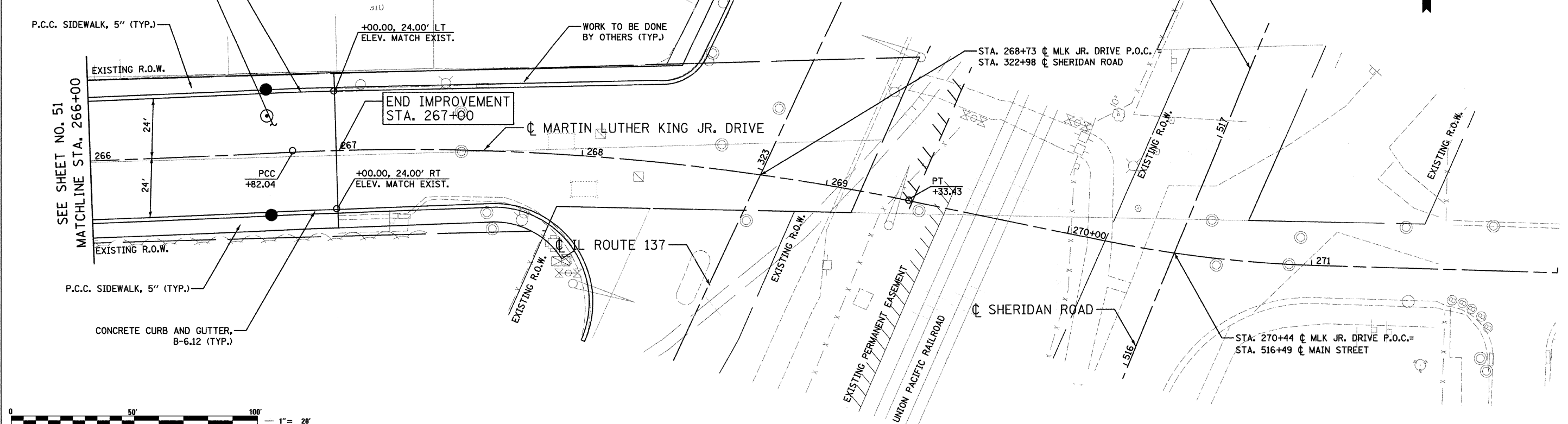
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	52
STA. 266+00		TO STA. 267+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



LEGEND

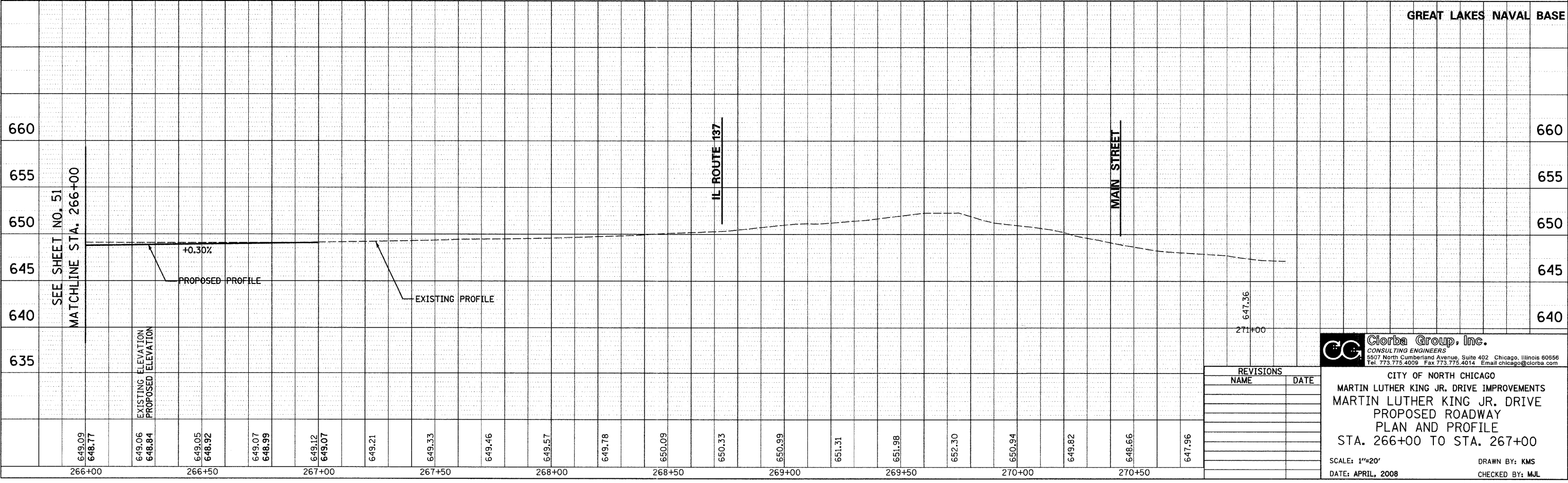
	DEPRESSED CURB
	PAVEMENT IMPRINT

CONCRETE CURB AND GUTTER, B-6.12 (TYP.)
 HOT-MIX ASPHALT PAVEMENT, (FULL-DEPTH), 11" (2" SURFACE, 9" BINDER)
 P.C.C. SIDEWALK, 5" (TYP.)



PLAN	REVISION	DATE
NO.	BY	
NO.	BY	
NO.	BY	

PROFILE	REVISION	DATE
NO.	BY	
NO.	BY	
NO.	BY	



GREAT LAKES NAVAL BASE

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

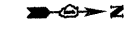
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 266+00 TO STA. 267+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

DATE: 6/30/2008
 TIME: 3:38:16 PM
 FILENAME: N:\PROJECTS\16\Design\Proposed\Plan\16-PNP-12.dgn

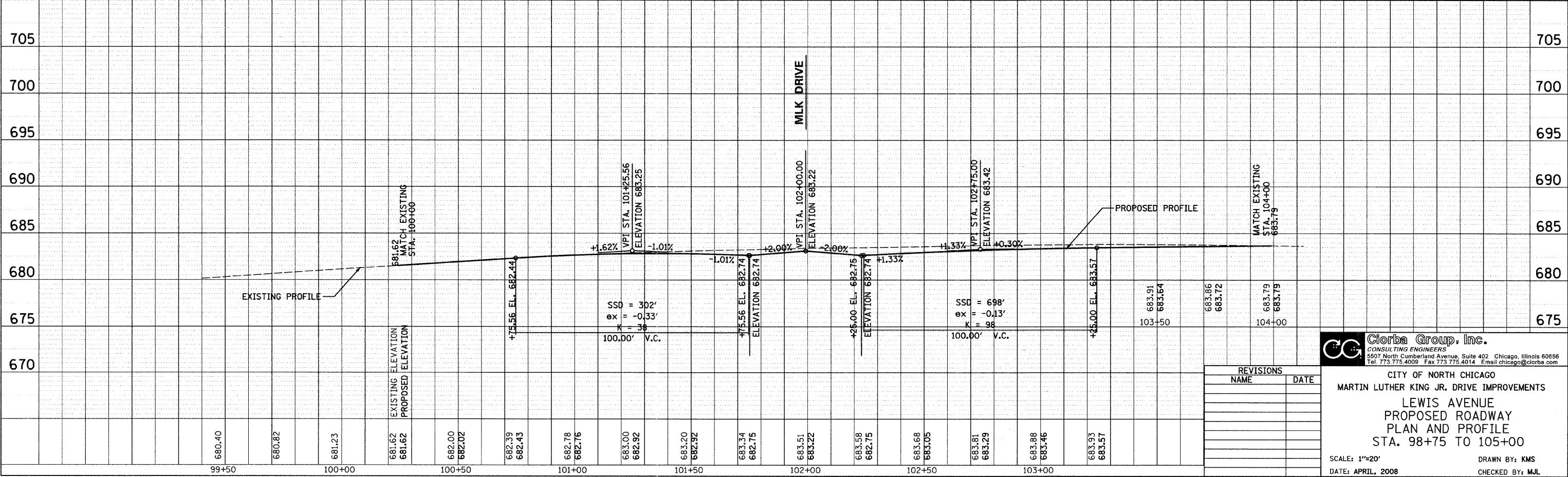
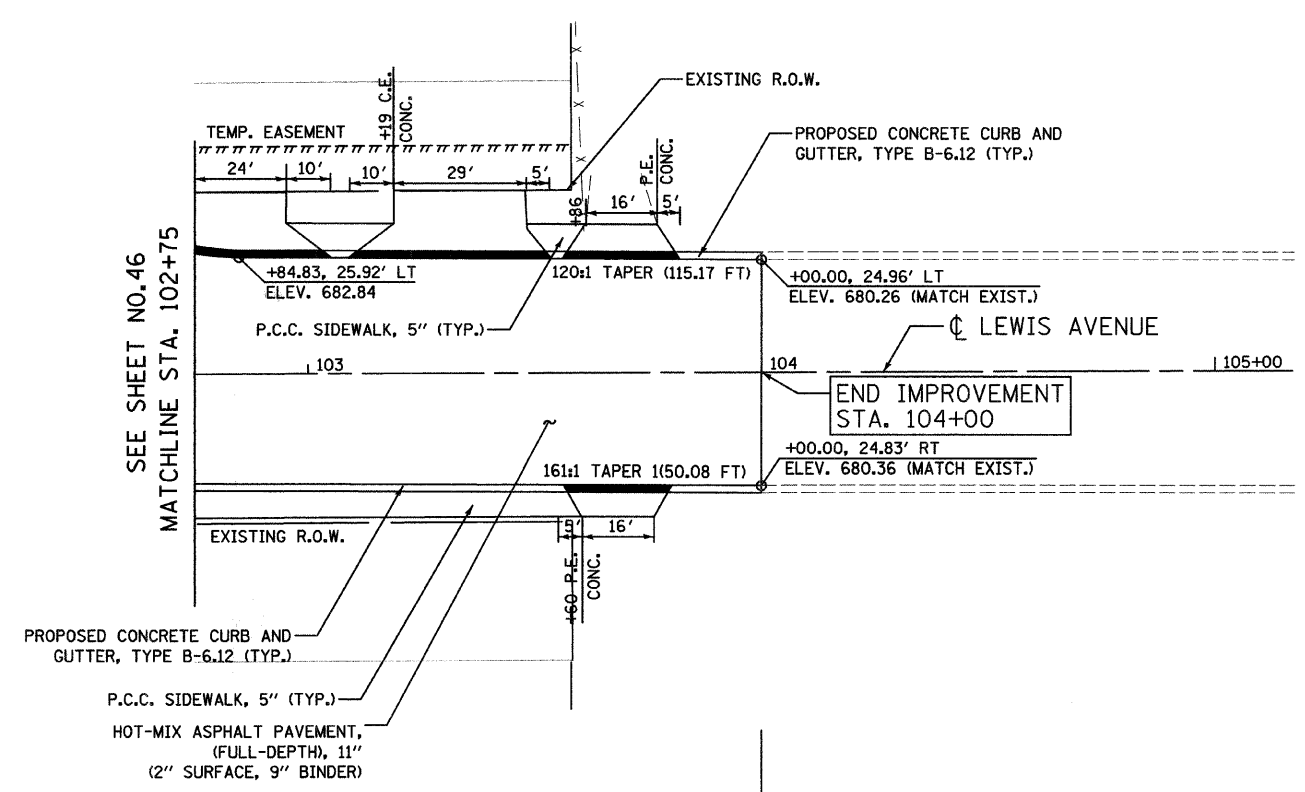
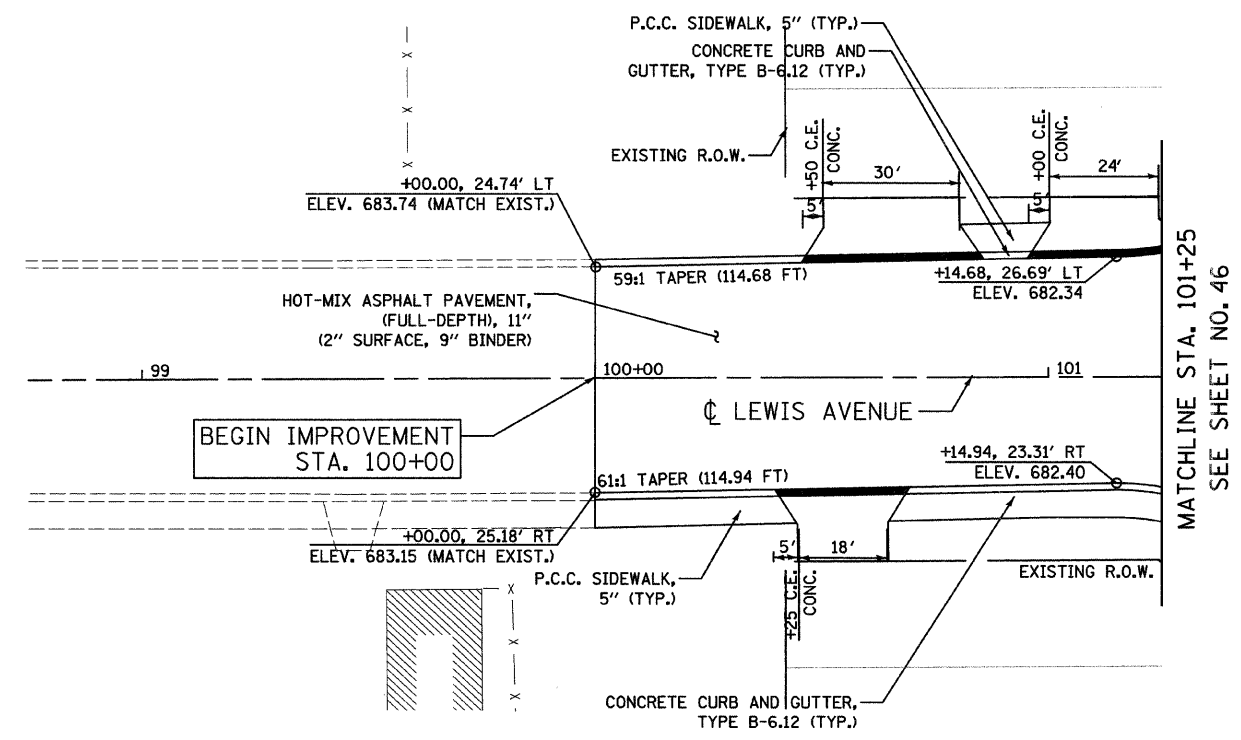
LEGEND

- DEPRESSED CURB
- PAVEMENT IMPRINT



DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY



REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
LEWIS AVENUE
PROPOSED ROADWAY
PLAN AND PROFILE
STA. 98+75 TO 105+00

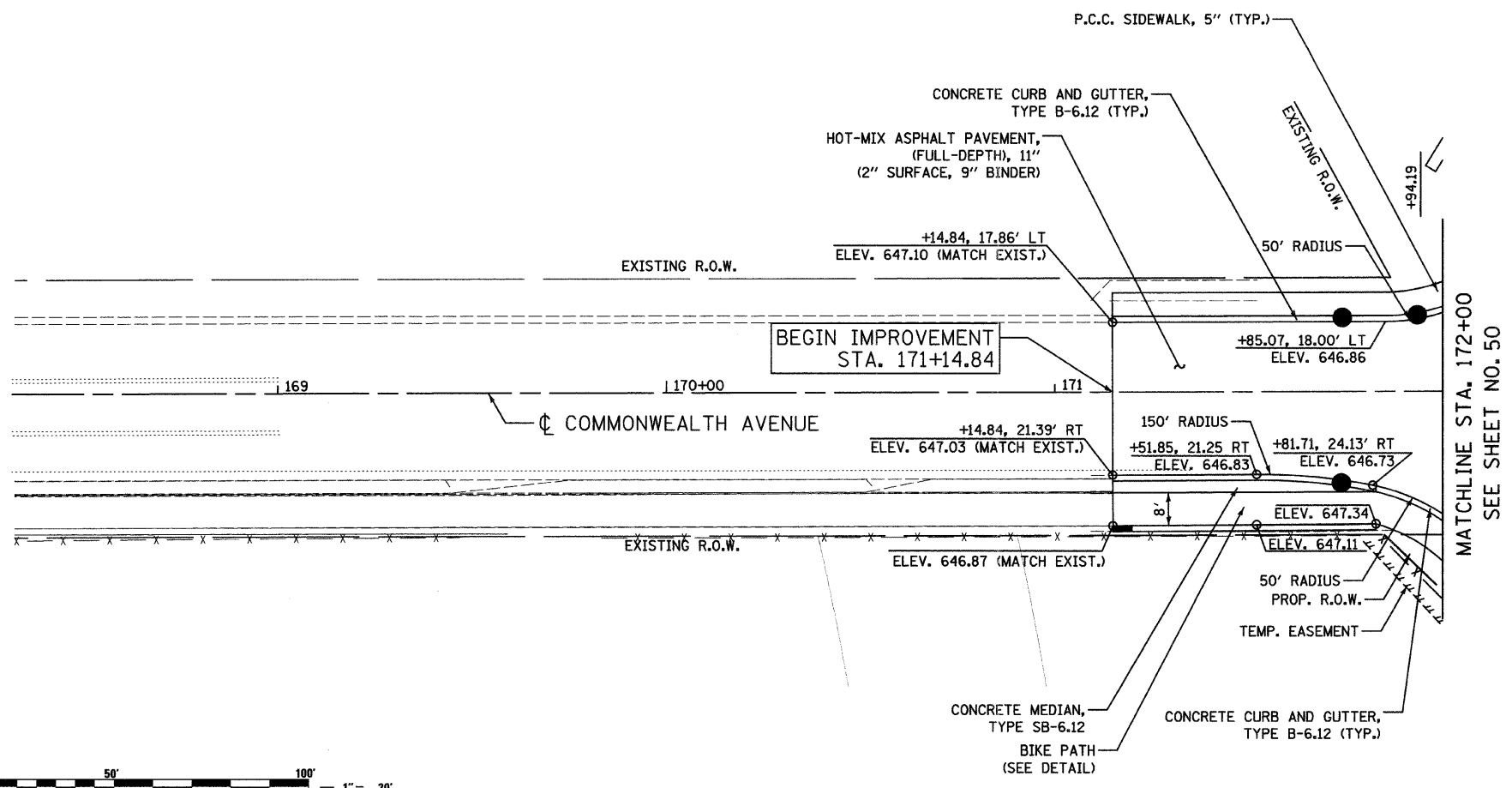
SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

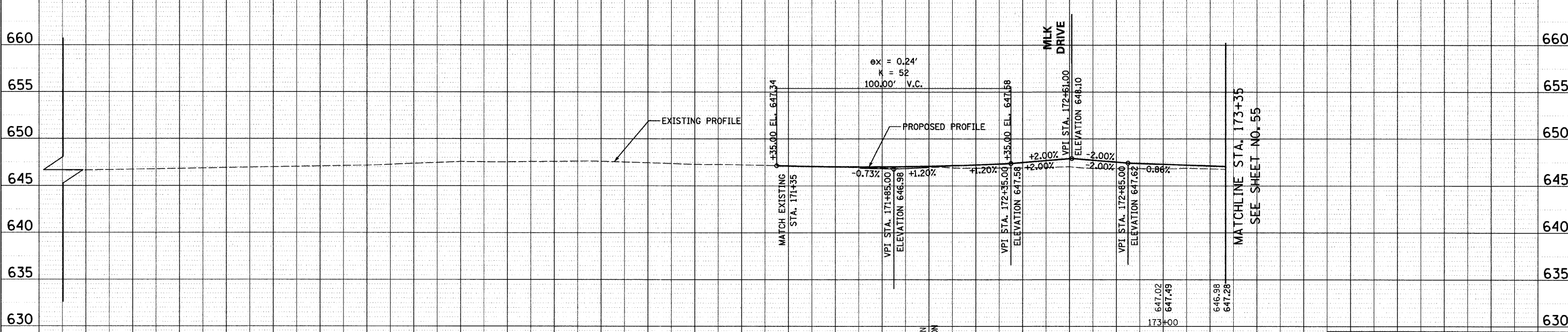
DATE: 6/30/2008
TIME: 3:38:27 PM
FILENAME: N:\PROJECTS\16\Design\ProposedPlans\16-PNP-13.dgn



PLAN
 NO. _____
 DATE _____
 BY _____
 DESIGNED
 PLOTTED
 ALIGNED CHECKED
 STRUCTURE NOTED
 CAD FILE NAME



PROFILE
 NO. _____
 DATE _____
 BY _____
 DESIGNED
 PLOTTED
 GRADES CHECKED
 STRUCTURE NOTED
 NOTING CHKD



DATE: 6/30/2008
 TIME: 3:26:42 PM
 FILENAME: N:\PROJECTS\161\Design\ProposedPlan\161-PNP-14.dgn

647.10	647.21	647.32	647.51	647.76	647.74	647.81	647.68	647.49	647.46	647.40	647.26	647.26	647.13	647.21	647.16	647.28	647.09	647.47	647.13	647.88	647.05	647.82	
169+00	169+50	170+00	170+50	171+00	171+50	172+00	172+50	173+00	173+35														



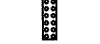
REVISIONS	
NAME	DATE

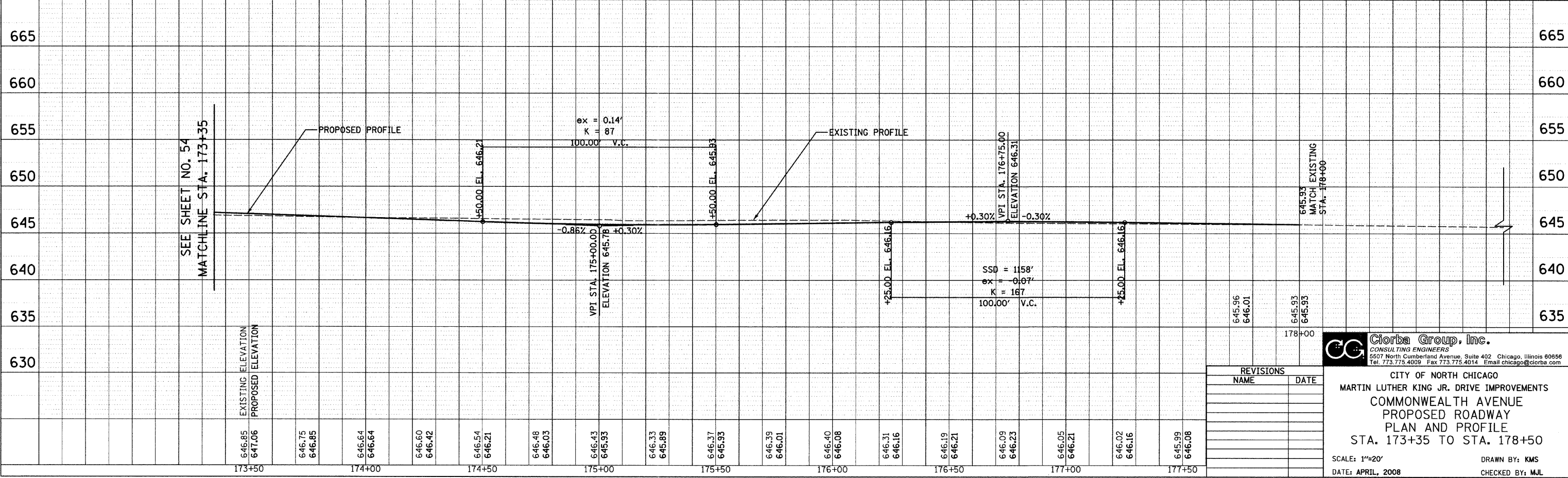
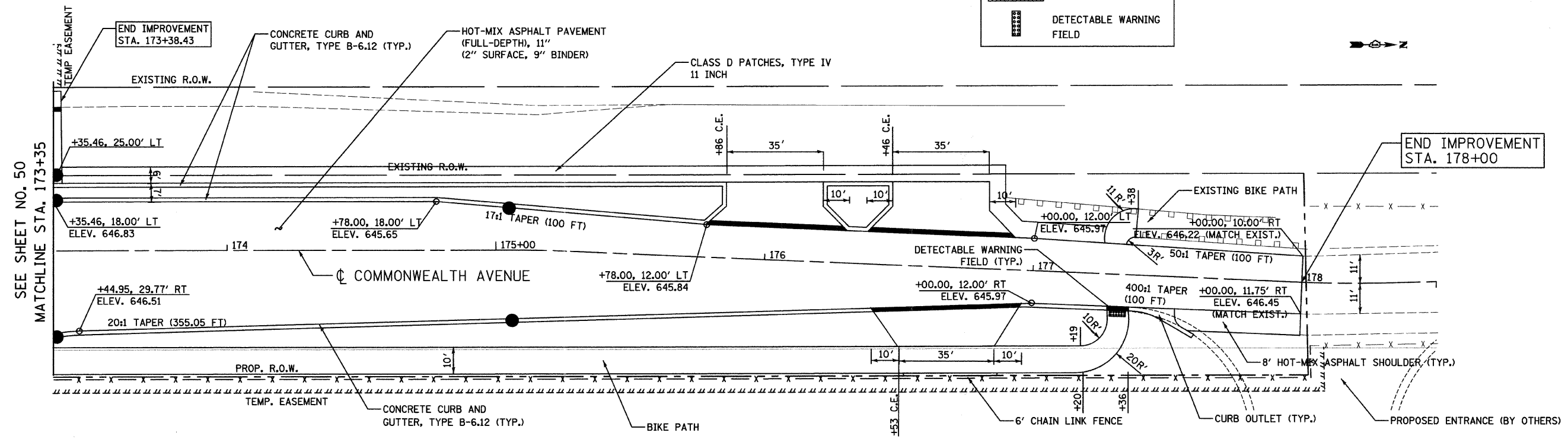
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 COMMONWEALTH AVENUE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 169+00 TO 173+35

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

LEGEND

-  DEPRESSED CURB
-  PAVEMENT IMPRINT
-  DETECTABLE WARNING FIELD



PLAN

DESIGNED	DATE
PLOTTED	
ALIGNED CHECKED	
CONTRACT NAME	
CADD FILE NAME	
NO.	

PROFILE

DESIGNED	DATE
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO.	

DATE: 6/30/2008
 TIME: 3:30:00 PM
 FILENAME: N:\PROJ\05161\Design\Proposed\Plan\05161-PNP-15.dgn

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicao@ciorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 COMMONWEALTH AVENUE
 PROPOSED ROADWAY
 PLAN AND PROFILE
 STA. 173+35 TO STA. 178+50

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

DESCRIPTION OF TRAFFIC CONTROL AND PROTECTION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	56
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT: 83828

SUGGESTED CONSTRUCTION STAGING
MARTIN LUTHER KING JR. DRIVE

- STAGE 1:**
- A. TRAFFIC CONTROL**
- CLOSE INSIDE TRAFFIC LANES IN BOTH DIRECTIONS FROM STA. 208+00 TO STA. 213+45 AND FROM STA. 241+72 TO STA. 265+40. MAINTAIN TRAFFIC ON OUTSIDE TRAFFIC LANES PROVIDING ELEVEN FOOT THRU LANES IN BOTH DIRECTIONS.
 - CLOSE EASTBOUND TRAFFIC LANES FROM STA. 213+45 TO STA. 241+72. SHIFT TRAFFIC ON WESTBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT SANITARY AND STORM SEWER.
 - CONSTRUCT TEMPORARY PAVEMENT AT SANITARY AND STORM SEWER LOCATIONS.
- STAGE 1A:**
- A. TRAFFIC CONTROL**
- CLOSE INSIDE TRAFFIC LANES IN BOTH DIRECTIONS FROM STA. 208+00 TO STA. 265+40. MAINTAIN TRAFFIC ON OUTSIDE TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT SANITARY AND STORM SEWER
 - CONSTRUCT TEMPORARY PAVEMENT AT SANITARY AND STORM SEWER LOCATIONS.
- STAGE 2:**
- A. TRAFFIC CONTROL**
- CLOSE WESTBOUND TRAFFIC LANES FROM STA. 208+00 TO STA. 267+00. SHIFT TRAFFIC ON EASTBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT WATERMAIN & WATERMAIN SERVICES
 - CONSTRUCT SANITARY SERVICES
 - REMOVE EXISTING WESTBOUND PAVEMENT
 - CONSTRUCT WESTBOUND SUBGRADE, CURB AND GUTTER, SIDEWALK, AND BINDER COURSE.
 - COMPLETE LANDSCAPING
- STAGE 3:**
- A. TRAFFIC CONTROL**
- CLOSE EASTBOUND TRAFFIC LANES FROM STA. 208+00 TO STA. 267+00. SHIFT TRAFFIC ON WESTBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT WATERMAIN & SANITARY SERVICES
 - REMOVE EXISTING EASTBOUND PAVEMENT
 - CONSTRUCT EASTBOUND SUBGRADE, CURB AND GUTTER, SIDEWALK, AND BINDER COURSE.
 - COMPLETE LANDSCAPING
- STAGE 4:**
- A. TRAFFIC CONTROL**
- DAYTIME LANE CLOSURES SHALL BE USED IN ACCORDANCE WITH STATE STANDARD 701606.
- B. CONSTRUCTION**
- CONSTRUCT SURFACE COURSE
 - COMPLETE FINAL STRIPING

SUGGESTED CONSTRUCTION STAGING
LEWIS AVENUE

- STAGE 1:**
- A. TRAFFIC CONTROL**
- CLOSE SOUTHBOUND TRAFFIC LANES FROM STA. 100+56 TO STA. 103+45. WHEN WORK IS BEING PERFORMED ON THE ROADWAY OR INTERSECTION. SHIFT TRAFFIC ON NORTHBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT SANITARY AND STORM SEWER
 - CONSTRUCT TEMPORARY PAVEMENT AT SANITARY AND STORM SEWER LOCATIONS.
- STAGE 1A:**
- A. TRAFFIC CONTROL**
- CLOSE NORTHBOUND TRAFFIC LANES FROM STA. 100+56 TO STA. 103+15 WHEN WORK IS BEING PERFORMED ON THE ROADWAY OR INTERSECTION. SHIFT TRAFFIC ON SOUTHBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT SANITARY AND STORM SEWER
 - CONSTRUCT TEMPORARY PAVEMENT AT SANITARY AND STORM SEWER LOCATIONS.
- STAGE 2:**
- A. TRAFFIC CONTROL**
- CLOSE SOUTHBOUND TRAFFIC LANES FROM STA. 100+00 TO STA. 105+00. SHIFT TRAFFIC ON NORTHBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- CONSTRUCT WATERMAIN
 - REMOVE EXISTING SOUTHBOUND PAVEMENT
 - CONSTRUCT SOUTHBOUND SUBGRADE, CURB AND GUTTER, SIDEWALK AND BINDER COURSE
 - COMPLETE LANDSCAPING
- STAGE 2A:**
- A. TRAFFIC CONTROL**
- CLOSE NORTHBOUND TRAFFIC LANES FROM STA. 99+75 TO STA. 104+00. SHIFT TRAFFIC ON SOUTHBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS
- B. CONSTRUCTION**
- CONSTRUCT WATERMAIN
 - REMOVE EXISTING NORTHBOUND PAVEMENT
 - CONSTRUCT NORTHBOUND SUBGRADE, CURB AND GUTTER, SIDEWALK AND BINDER COURSE
 - COMPLETE LANDSCAPING
- STAGE 3:**
- A. TRAFFIC CONTROL**
- CLOSE NORTHBOUND TRAFFIC LANES FROM STA. 99+75 TO STA. 104+00. SHIFT TRAFFIC ON SOUTHBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- REMOVE EXISTING PAVEMENT
 - CONSTRUCT SUBGRADE, CURB AND GUTTER, SIDEWALKS, AND BINDER COURSE
 - COMPLETE LANDSCAPING
- STAGE 3A:**
- A. TRAFFIC CONTROL**
- CLOSE SOUTHBOUND TRAFFIC LANES FROM STA. 100+00 TO STA. 105+00. SHIFT TRAFFIC ON NORTHBOUND TRAFFIC LANES PROVIDING ELEVEN-FOOT THRU LANES IN BOTH DIRECTIONS.
- B. CONSTRUCTION**
- REMOVE EXISTING PAVEMENT
 - CONSTRUCT SUBGRADE, CURB AND GUTTER, SIDEWALK, AND BINDER COURSE.
 - COMPLETE LANDSCAPING
- STAGE 4:**
- A. TRAFFIC CONTROL**
- DAYTIME LANE CLOSURES SHALL BE USED IN ACCORDANCE WITH STATE STANDARD 701606.
- B. CONSTRUCTION**
- CONSTRUCT SURFACE COURSE
 - COMPLETE FINAL STRIPING

SUGGESTED CONSTRUCTION STAGING
COMMONWEALTH AVENUE

- STAGES 1, 1A, 2, & 3**
- A. TRAFFIC CONTROL**
- CLOSE COMMONWEALTH AVENUE TO THRU TRAFFIC AND DETOUR ACCORDING TO DETOUR PLAN WHEN WORK IS BEING PERFORMED ON THE ROADWAY OR INTERSECTION.
- B. CONSTRUCTION**
- DURING STAGE 1 AND 1A, CONSTRUCT SANITARY AND STORM SEWER.
 - DURING STAGE 2, CONSTRUCT WATERMAIN AND CONSTRUCT SUBGRADE, CURB AND GUTTER, BIKE PATH, AND BINDER COURSE NORTH OF MARTIN LUTHER KING JR. DRIVE.
 - DURING STAGE 3, CONSTRUCT SUBGRADE, CURB AND GUTTER, BIKE PATH, AND BINDER COURSE SOUTH OF MARTIN LUTHER KING JR. DRIVE.
- STAGE 4:**
- A. TRAFFIC CONTROL**
- DAYTIME LANE CLOSURES SHALL BE USED IN ACCORDANCE WITH STATE STANDARD 701606.
- B. CONSTRUCTION**
- CONSTRUCT SURFACE COURSE.
 - COMPLETE FINAL STRIPING.

TRAFFIC CONTROL GENERAL NOTES

- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS, ANY SPECIAL DETAILS AND HIGHWAY STANDARDS CONTAINED IN THE PLANS, THE TRAFFIC SPECIFICATIONS AND THE SPECIAL PROVISIONS CONTAINED HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
- TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 72 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND CITY OF NORTH CHICAGO.
- THE ENGINEER AND THE CITY OF NORTH CHICAGO SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
- APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE TRAFFIC CONTROL AND PROTECTION DEVICES.
- IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE I OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.
- TYPE II BARRICADES OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT 2 FEET IN WIDTH, SHALL BE UTILIZED DURING ALL STAGES OF TRAFFIC CONTROL.
- THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN 24 HOUR ACCESS TO PRIVATE PROPERTIES FOR EMERGENCY VEHICLES AT ALL TIMES.
- ACCESS FOR LOCAL TRAFFIC SHALL BE MAINTAINED ALONG MARTIN LUTHER KING JR. DRIVE DURING ALL STAGES OF CONSTRUCTION. TYPE III BARRICADES SHALL BE PLACED ACROSS THE SIDE STREETS WHEN WORK IS BEING PERFORMED AT THE INTERSECTION WITH MARTIN LUTHER KING JR. DRIVE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
- INGRESS AND EGRESS TO DRIVEWAYS SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER. A QUANTITY OF AGGREGATE SURFACE COURSE, TYPE B HAS BEEN INCLUDED IN THE CONTRACT FOR DRIVEWAY AND SIDE STREET ACCESS. THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 402 OF THE STANDARD SPECIFICATIONS.
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE CONSTRUCTION IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
- ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED TO THE COST OF TRAFFIC CONTROL AND PROTECTION.
- THE COST OF ADJUSTING FRAMES AND LIDS TO THE FINAL GRADE ON NEW DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE NEW DRAINAGE STRUCTURE.
- NO MORE THAN TWO ADJACENT SIDE STREETS MAY BE CLOSED TO TRAFFIC AT ANY ONE TIME DURING THE STAGING PROCESSES.

DATE: 6/30/2008
 FILENAME: N:\P\03\05161\Design\1015161\MOT-Notes.dgn

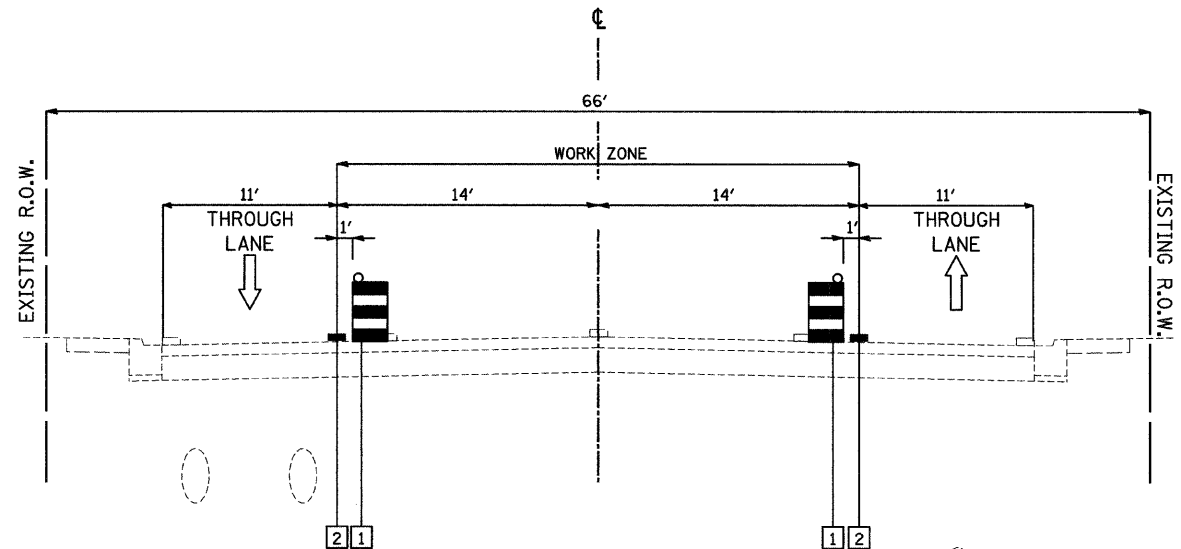
REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

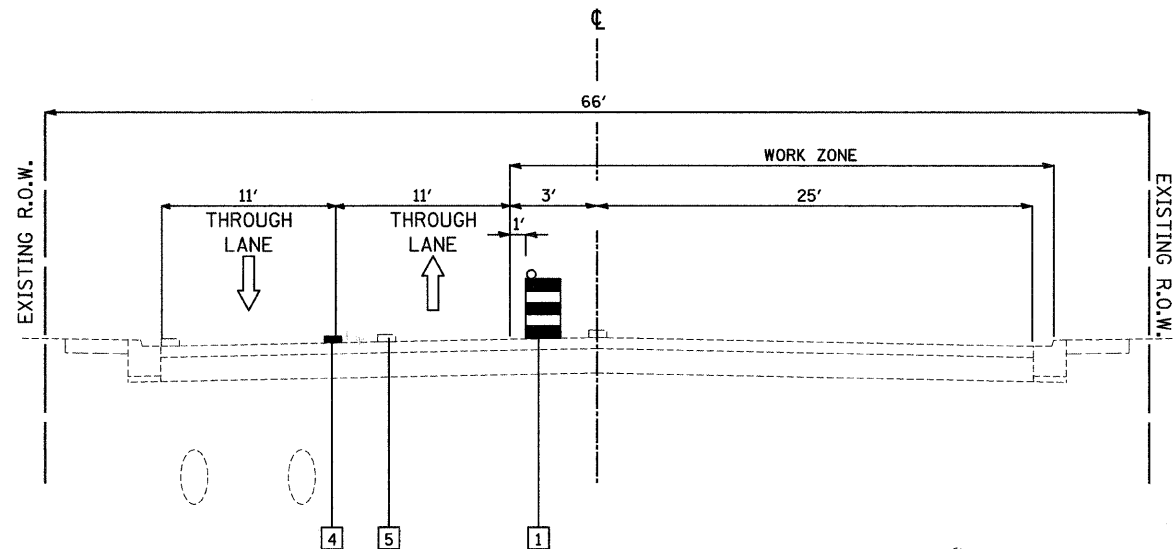
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

TRAFFIC CONTROL AND PROTECTION STAGING AND GENERAL NOTES

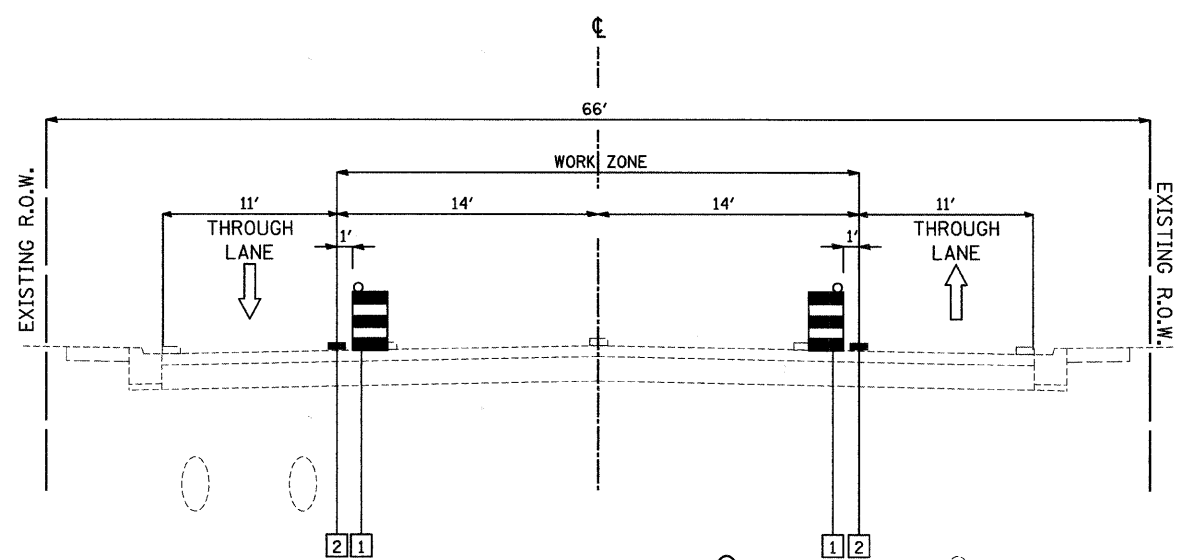
SCALE: N.T.S. DRAWN BY: BWS
 DATE: APRIL, 2008 CHECKED BY: MJL



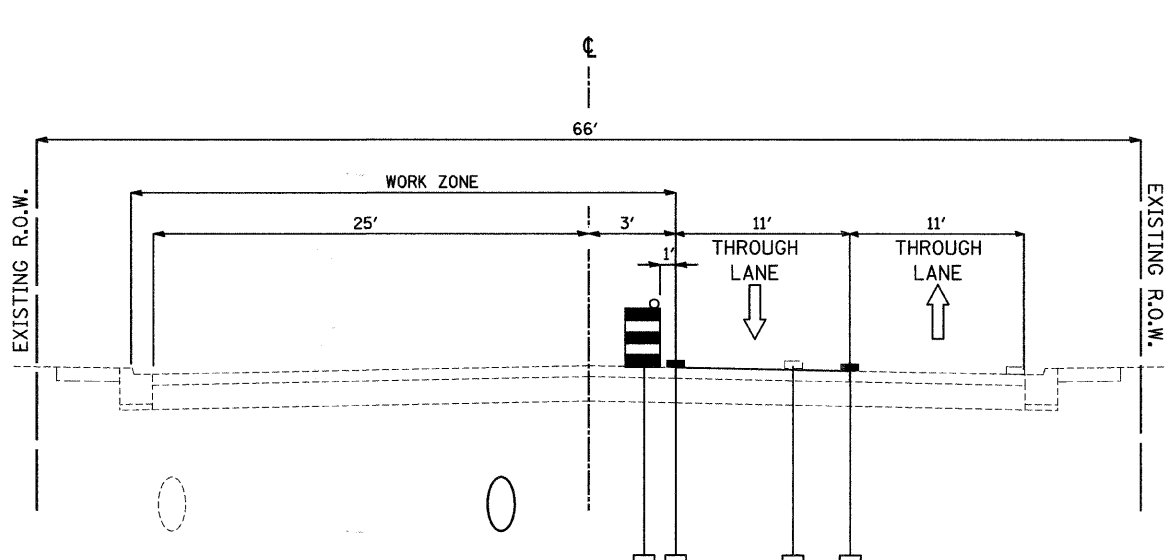
STAGE 1
MARTIN LUTHER KING JR. DRIVE
STA. 208+00 TO STA. 213+45
STA. 241+72 TO STA. 265+40



STAGE 1
MARTIN LUTHER KING JR. DRIVE
STA. 213+45 TO STA. 241+72



STAGE 1A
MARTIN LUTHER KING JR. DRIVE
STA. 208+00 TO STA. 265+40



STAGE 2
MARTIN LUTHER KING JR. DRIVE
STA. 208+00 TO STA. 267+00

- LEGEND**
- 1 BARRICADE OR DRUM WITH STEADY BURNING LIGHT
 - 2 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), YELLOW
 - 3 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), WHITE
 - 4 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), DOUBLE YELLOW @ 11" C-C
 - 5 PAVEMENT MARKING REMOVAL (LINE)

DATE: 6/30/2008
DRAWN BY: BWS
FILENAME: N:\PROJ\05161\Design\MOT\5161-MOT-Typ-sections.dgn

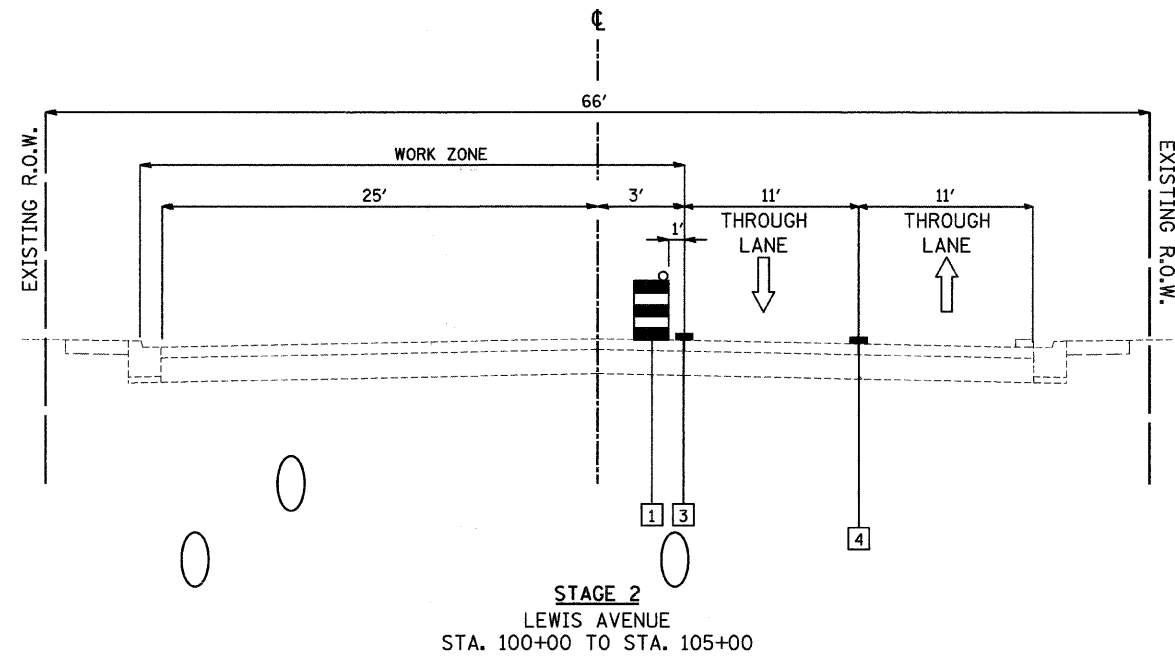
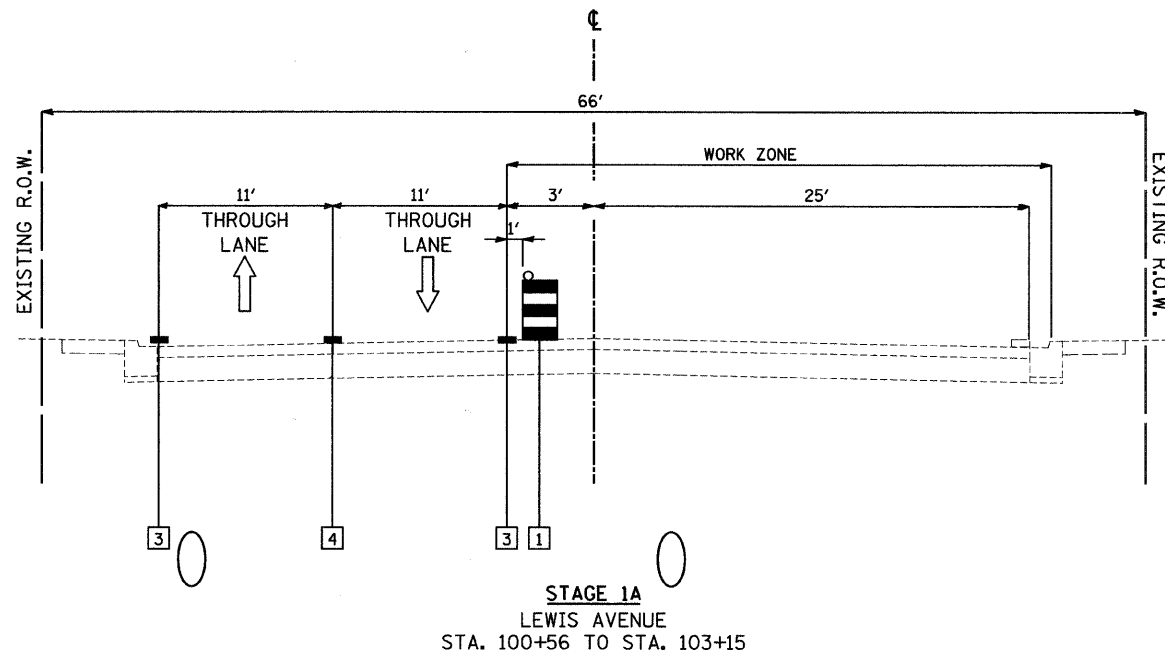
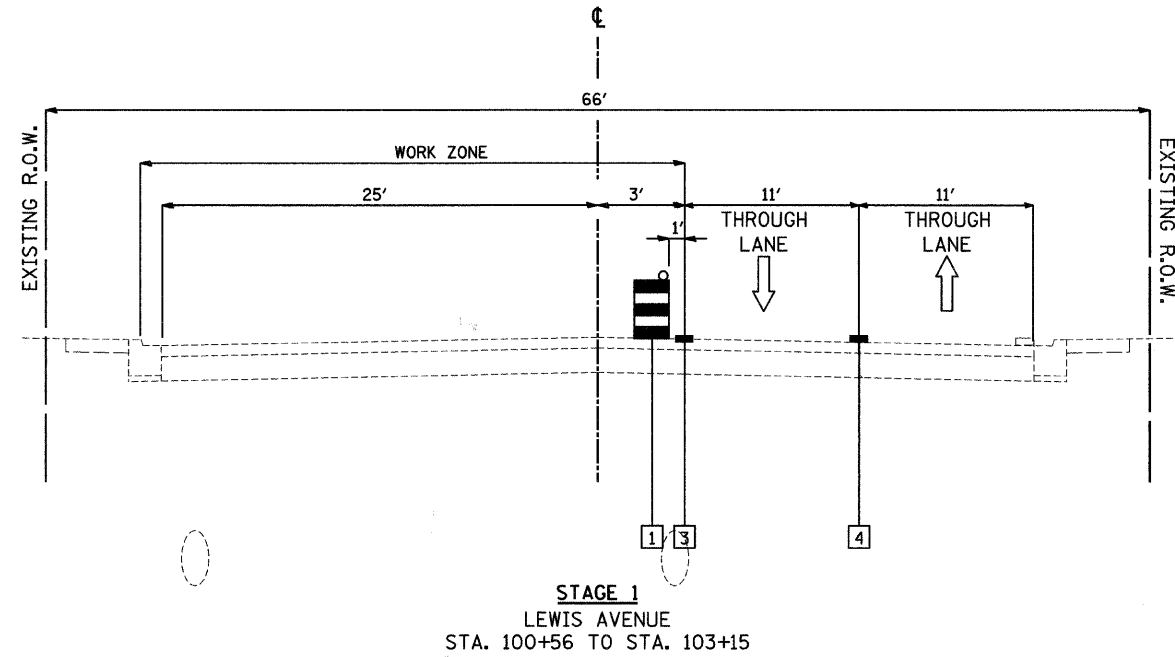
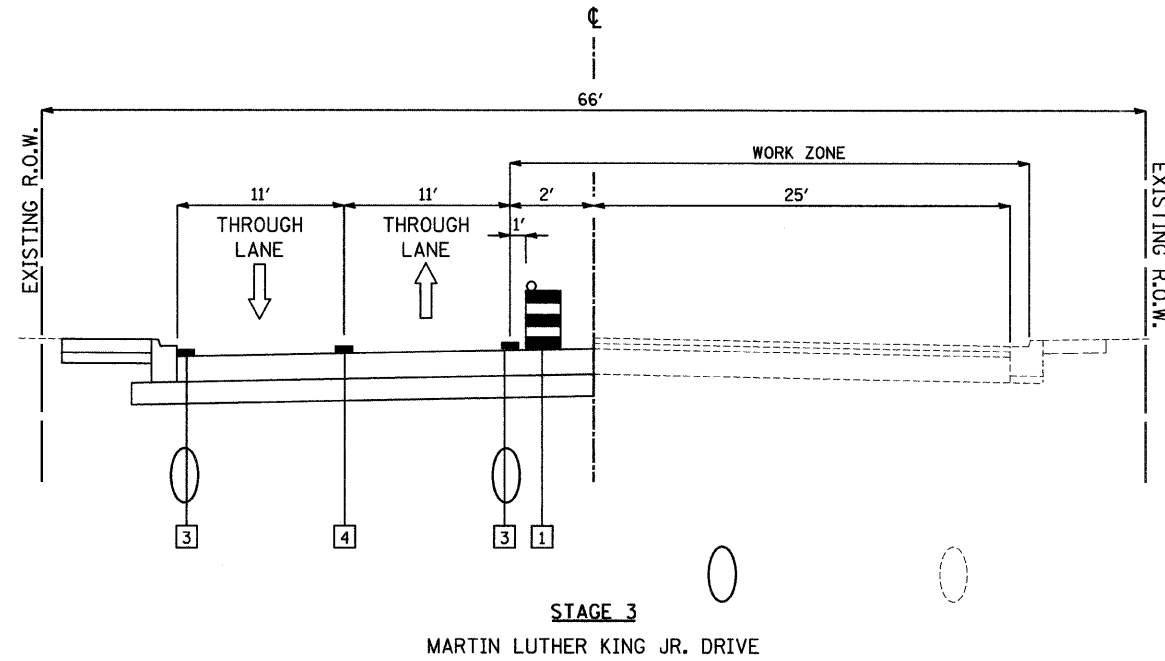
REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

TRAFFIC CONTROL
AND PROTECTION
TYPICAL SECTIONS

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL



LEGEND

- 1 BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- 2 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), YELLOW
- 3 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), WHITE
- 4 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), DOUBLE YELLOW @ 11" C-C
- 5 PAVEMENT MARKING REMOVAL (LINE)

REVISIONS	
NAME	DATE

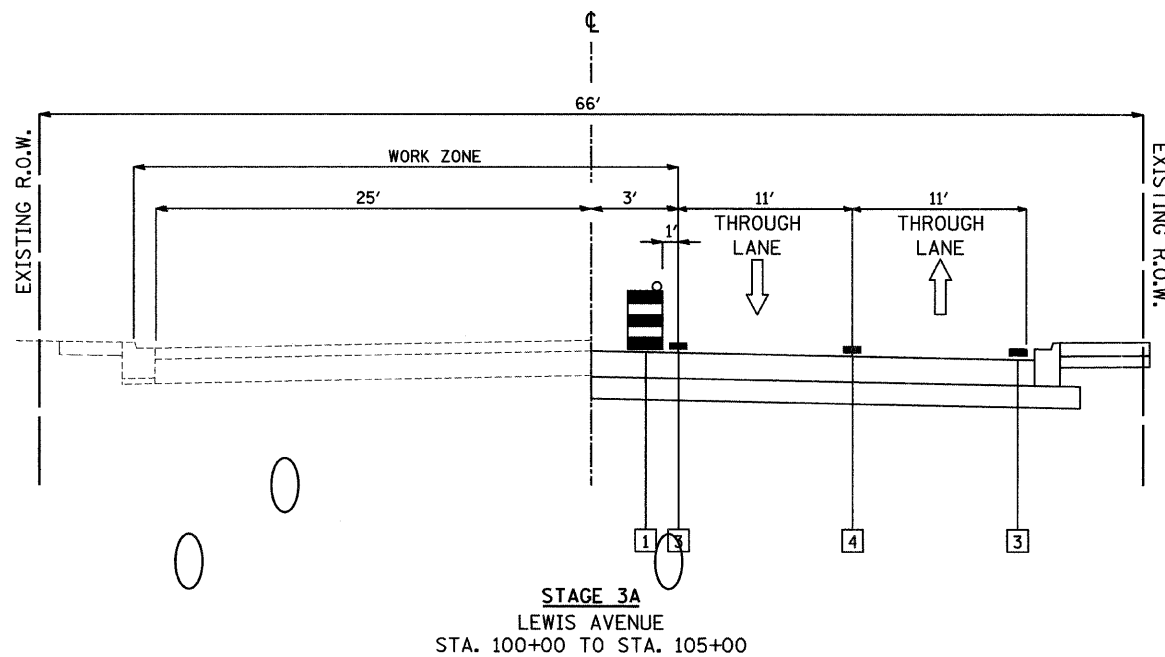
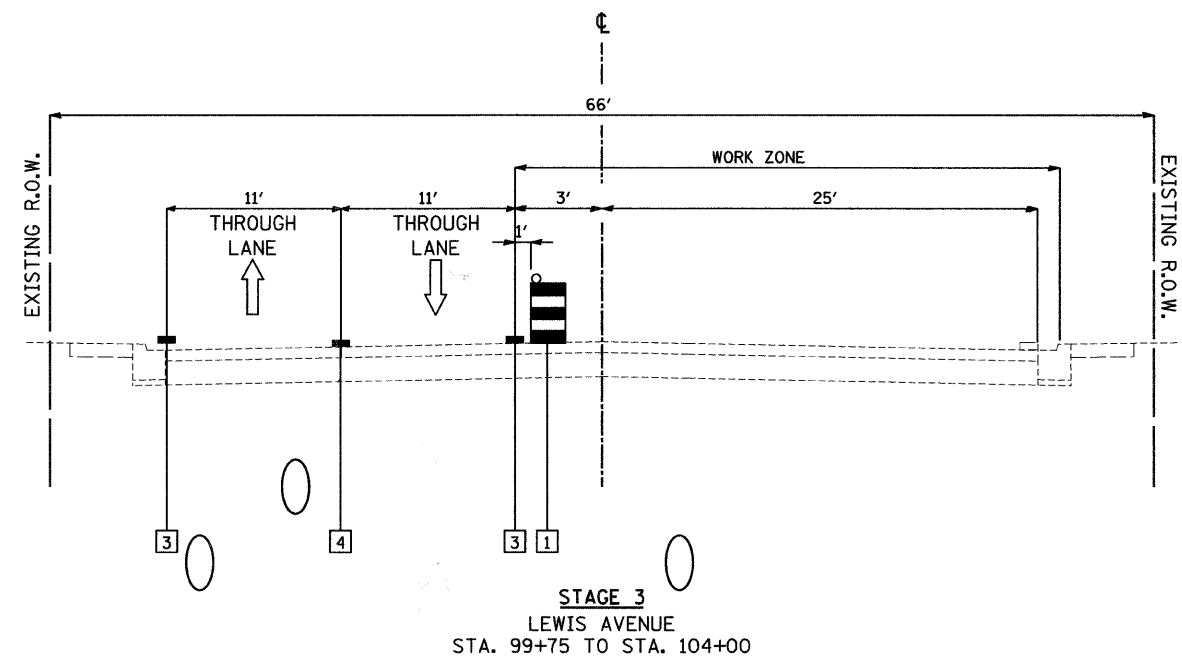
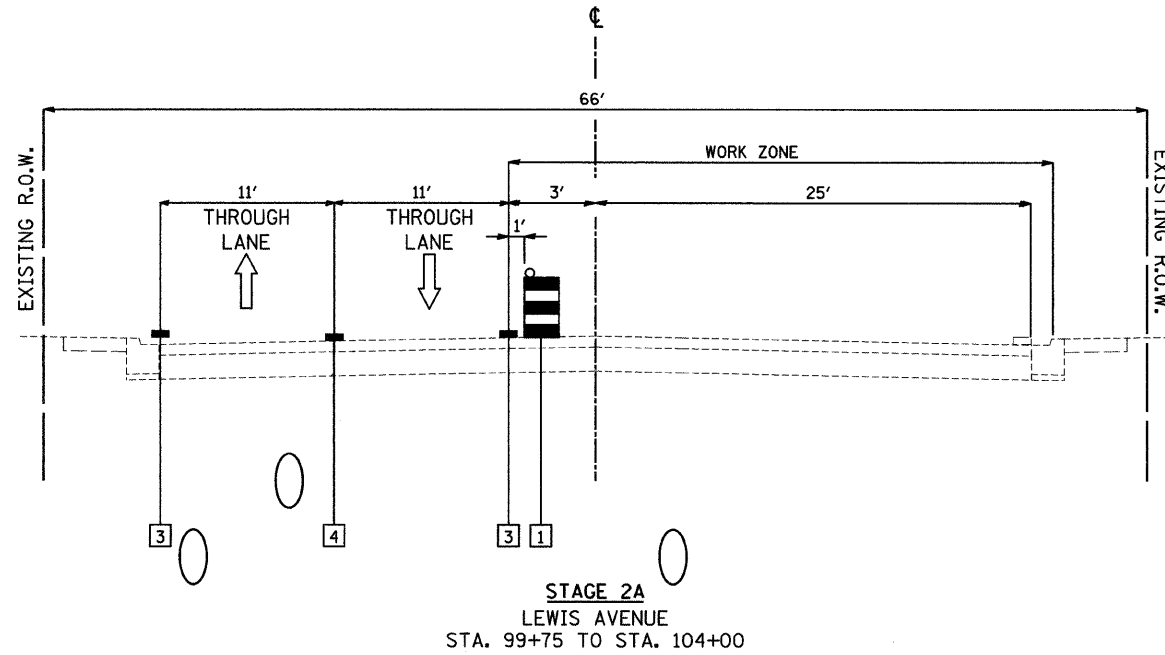
Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

TRAFFIC CONTROL
AND PROTECTION
TYPICAL SECTIONS

SCALE: N.T.S.
DATE: APRIL, 2008

DRAWN BY: BWS
CHECKED BY: MJL



LEGEND

- 1 BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- 2 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), YELLOW
- 3 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), WHITE
- 4 PAVEMENT MARKING TAPE, TYPE III-(4 INCH), DOUBLE YELLOW @ 11" C-C
- 5 PAVEMENT MARKING REMOVAL (LINE)

DATE: 6/30/2008
FILENAME: N:\PROJECTS\161\Design\MOT\161-MOT-Typ-sections3.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

**TRAFFIC CONTROL
AND PROTECTION
TYPICAL SECTIONS**

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

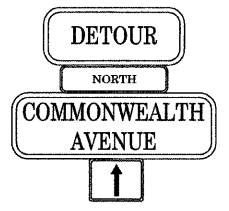


SIGN LEGEND

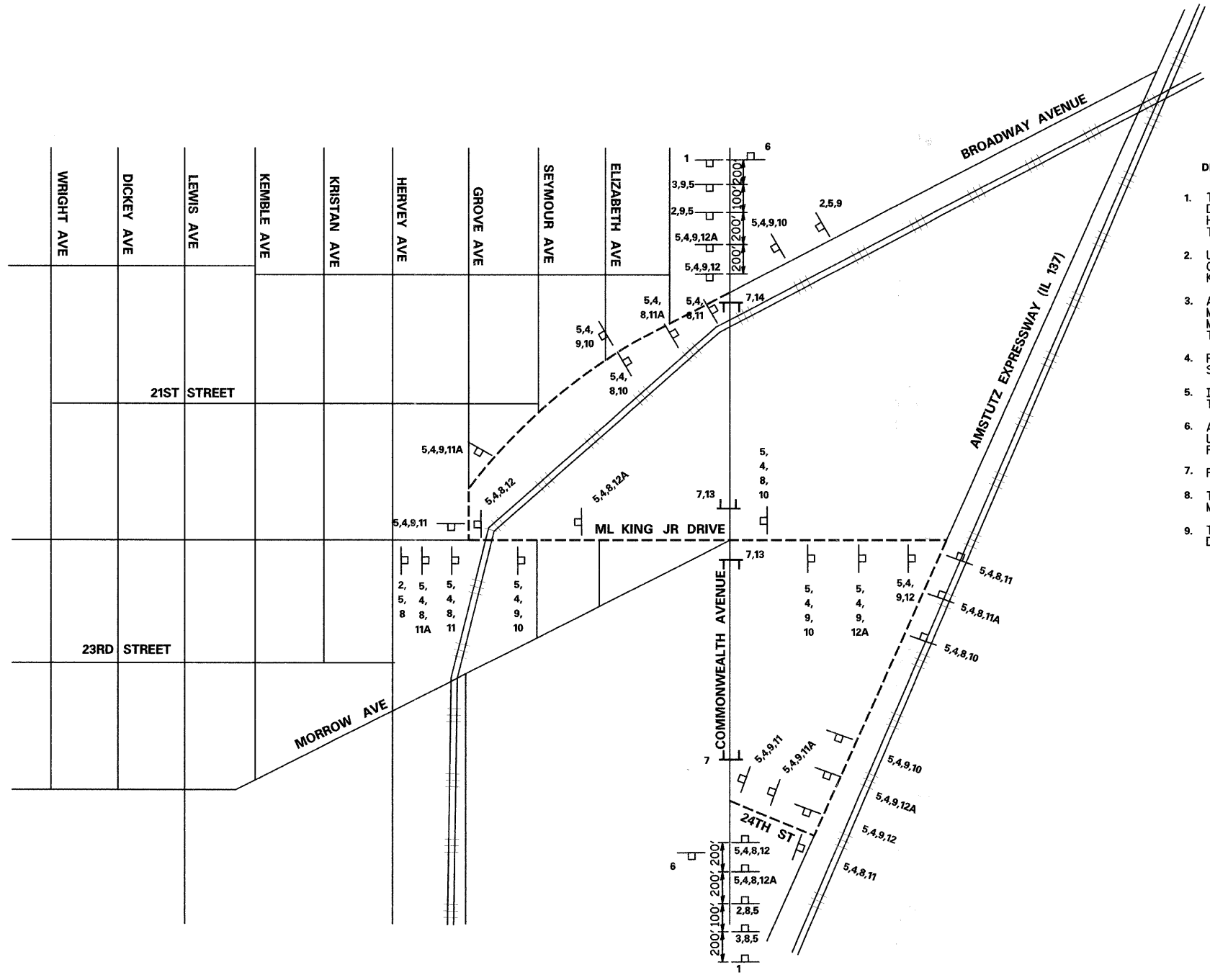
- | | | |
|---------------------------|----------------------------|----------------------------|
| 1)
W20-3
36" x 36" | 7)
R11-4
60" x 30" | |
| 2)
W20-2
36" x 36" | 8)
M3-1
24" x 12" | |
| 3)
W20-2
36" x 36" | 9)
M3-3
24" x 12" | |
| 4)
M4-8
24" x 12" | 10)
M6-3
21" x 15" | |
| 5)
W16-8
VAR. x 15" | 11)
M6-1L
21" x 15" | 11A)
M5-1L
21" x 15" |
| 6)
M4-8b
24" x 18" | 12)
M6-1R
21" x 15" | 12A)
M5-1R
21" x 15" |
| | 13)
M4-10L
48" x 18" | |
| | 14)
M4-10R
48" x 18" | |

DETOUR PLAN LEGEND

- TYPE III BARRICADE
- DETOUR SIGN
- DETOUR ROUTE



TYPICAL SIGN ARRANGEMENT



DETOUR PLAN GENERAL NOTES

- TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 48 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND THE CITY OF NORTH CHICAGO.
- UTILIZE THE DETOUR PLAN WHEN WORK IS BEING PERFORMED ON COMMONWEALTH OR ON THE INTERSECTION WITH MARTIN LUTHER KING JR. DRIVE.
- ALL TRAFFIC SIGNS SHALL MEET WITH THE APPROVAL OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER REGARDING LOCATION, TYPE, SIZE, NUMBER AND DURATION.
- FOR TYPICAL SIGN INSTALLATIONS, SEE IDOT HIGHWAY STANDARDS.
- IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE I OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.
- APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE TRAFFIC CONTROL AND PROTECTION DEVICES.
- FLAGS ON "WARNING" SIGNS ARE OPTIONAL.
- THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
- THE COST OF INSTALLING, MAINTAINING AND REMOVING THE DETOUR SHALL BE PAID FOR AS TEMPORARY DETOUR.

DATE: 6/30/2008
DRAWN BY: BWS
FILENAME: N:\PROJ\05161\Design\MOT\Sheets\01-5161-1\Detour.dgn

REVISIONS	
NAME	DATE

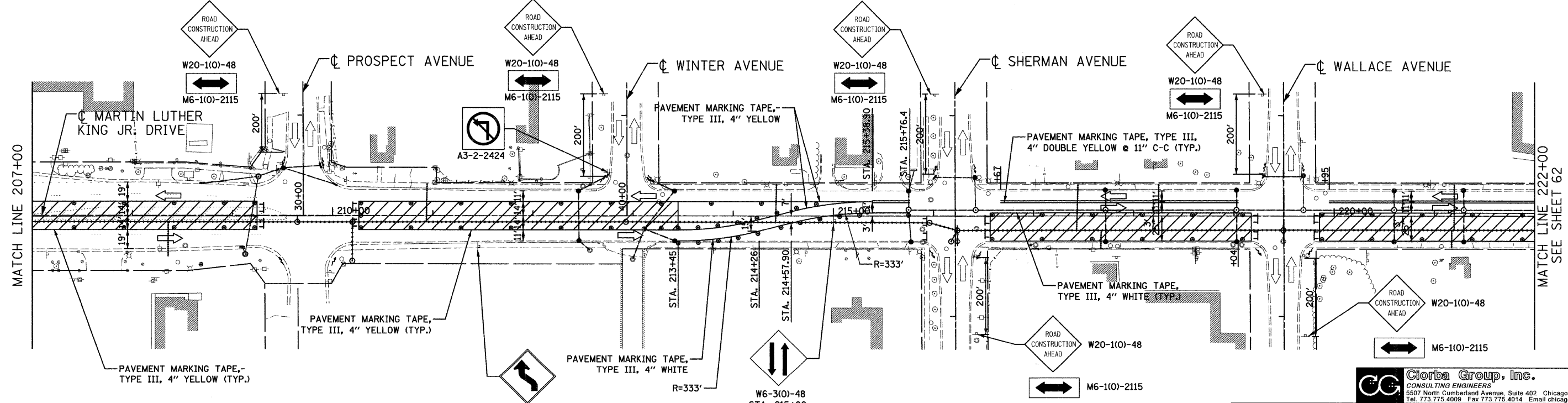
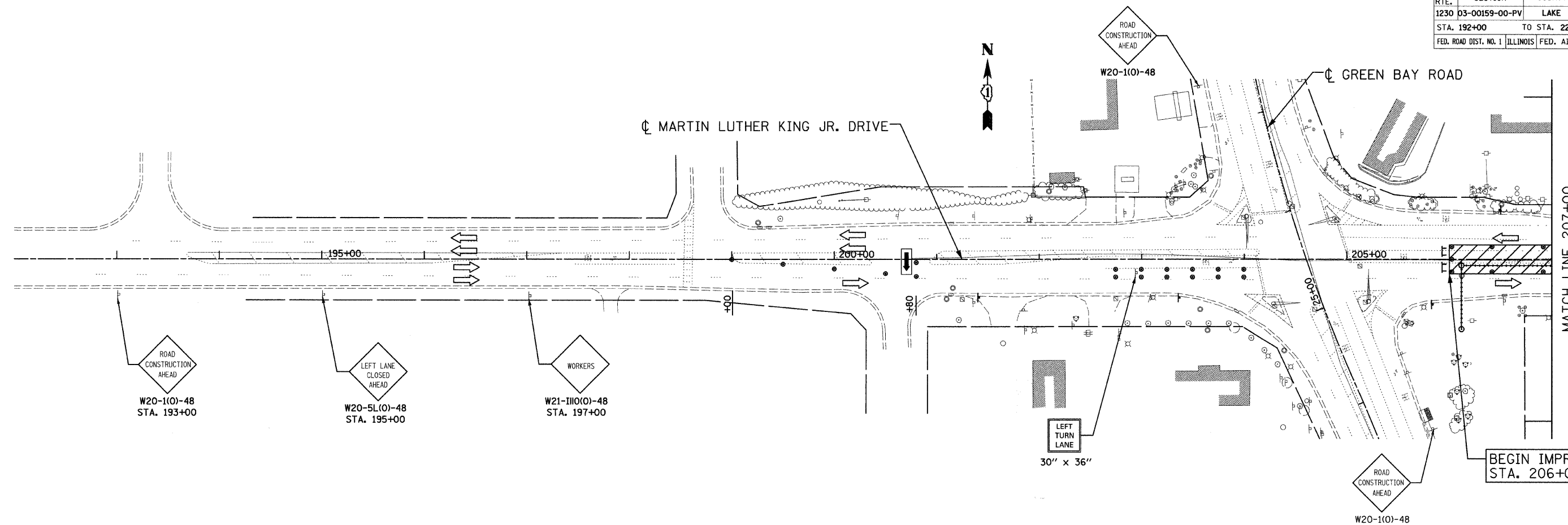
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

TRAFFIC CONTROL AND PROTECTION
COMMONWEALTH AVENUE
DETOUR PLAN

SCALE: N.T.S. DRAWN BY: BWS
DATE: APRIL, 2008 CHECKED BY: MJL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	61
STA. 192+00		TO STA. 222+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				



LEGEND

	TYPE III BARRICADE		TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS 25' CENTERS IN TAPERS)
	WORK ZONE		SIGN ON PERMANENT OR TEMPORARY SUPPORT
	ARROW BOARD		

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

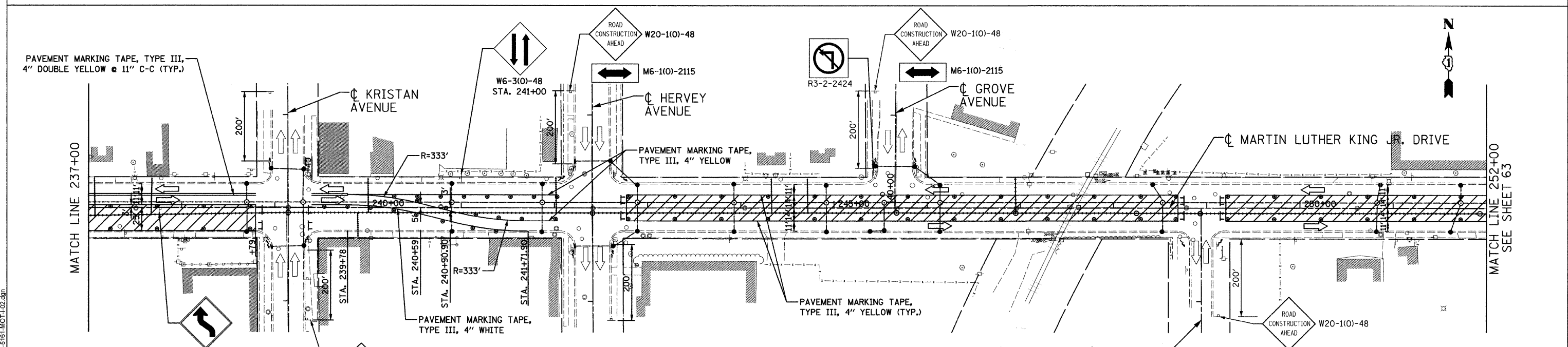
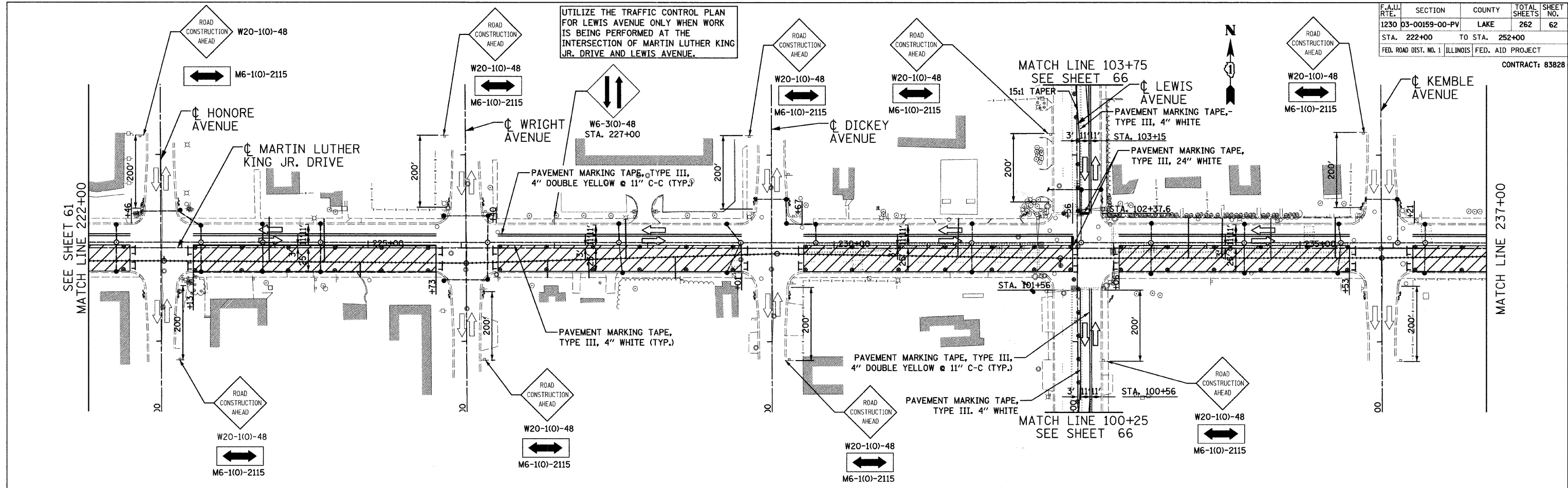
**TRAFFIC CONTROL AND PROTECTION
STAGE 1**

SCALE: 1"=50'
DATE: APRIL, 2008

DRAWN BY: BWS
CHECKED BY: MJL

DATE: 5/30/2008
TIME: 10:44 AM
FILENAME: N:\PROJ\05161\Design\MOT\Sheet02_5161\MOT-1-01.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	62
STA. 222+00	TO STA. 252+00			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



DATE: 6/30/2008
 FILENAME: N:\PROJ\15161\Design\MOT\Sheets\03-5151-MOT-1-02.dgn

REVISIONS	
NAME	DATE

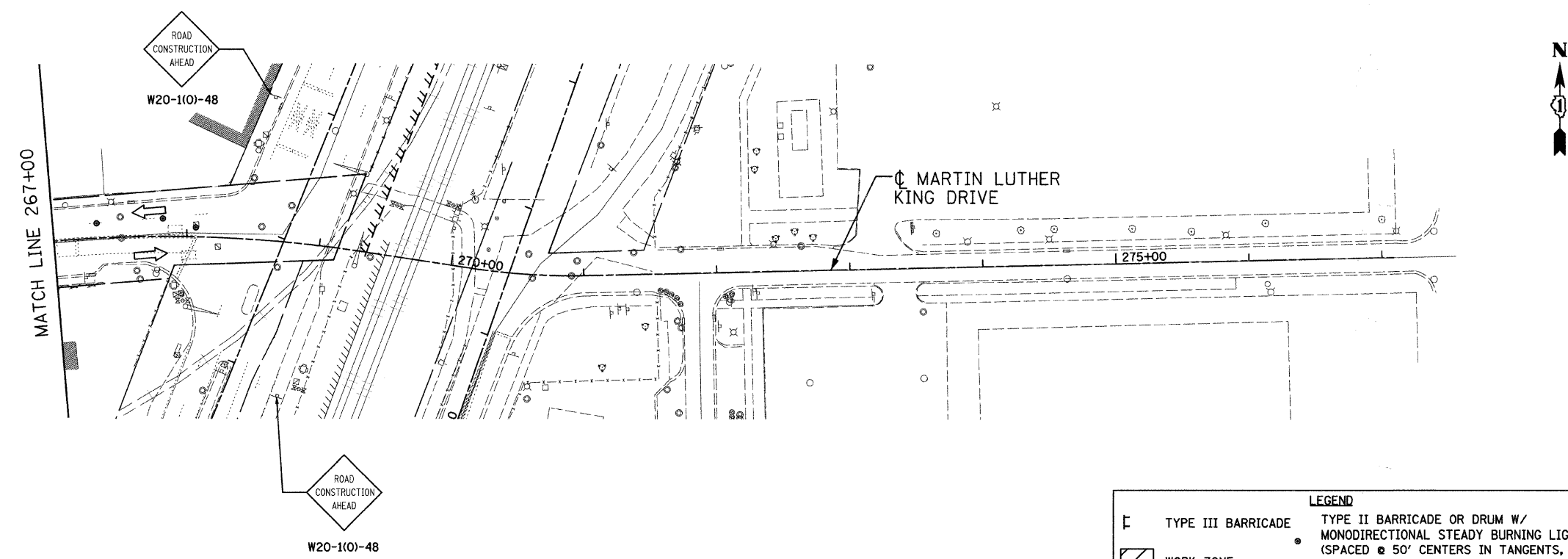
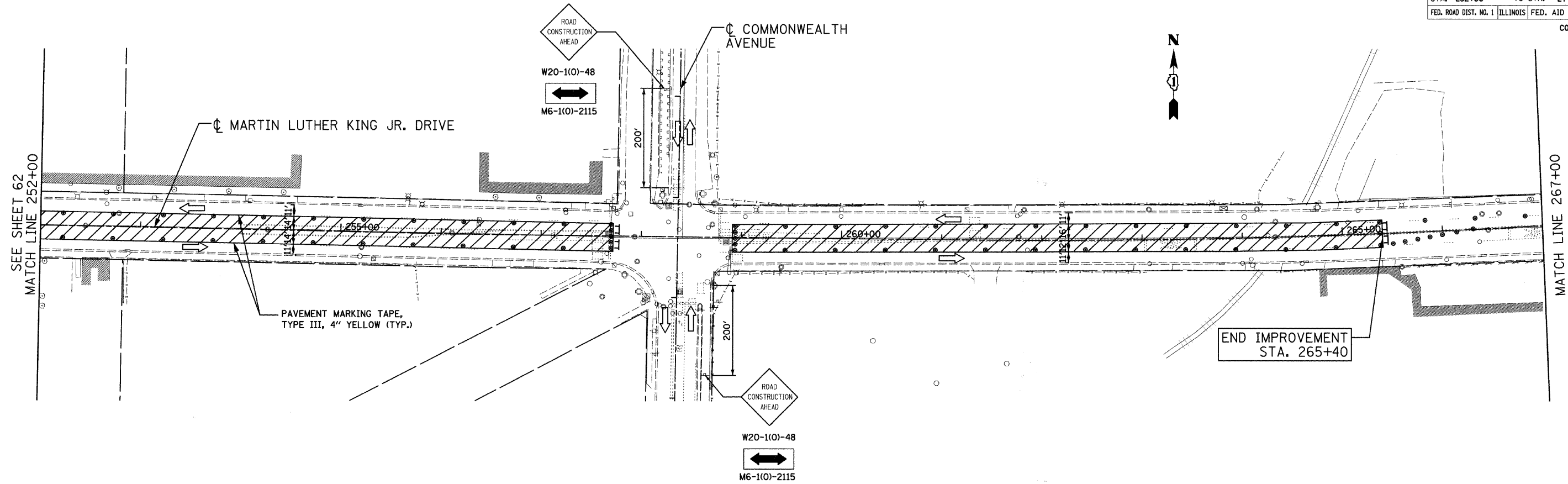

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 STAGE 1

SCALE: 1"=50'
 DATE: APRIL, 2008
 DRAWN BY: BWS
 CHECKED BY: MJL

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	63
STA. 252+00		TO STA. 277+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT: 83828



LEGEND	
[Symbol]	TYPE III BARRICADE
[Symbol]	WORK ZONE
[Symbol]	ARROW BOARD
[Symbol]	TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
[Symbol]	SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

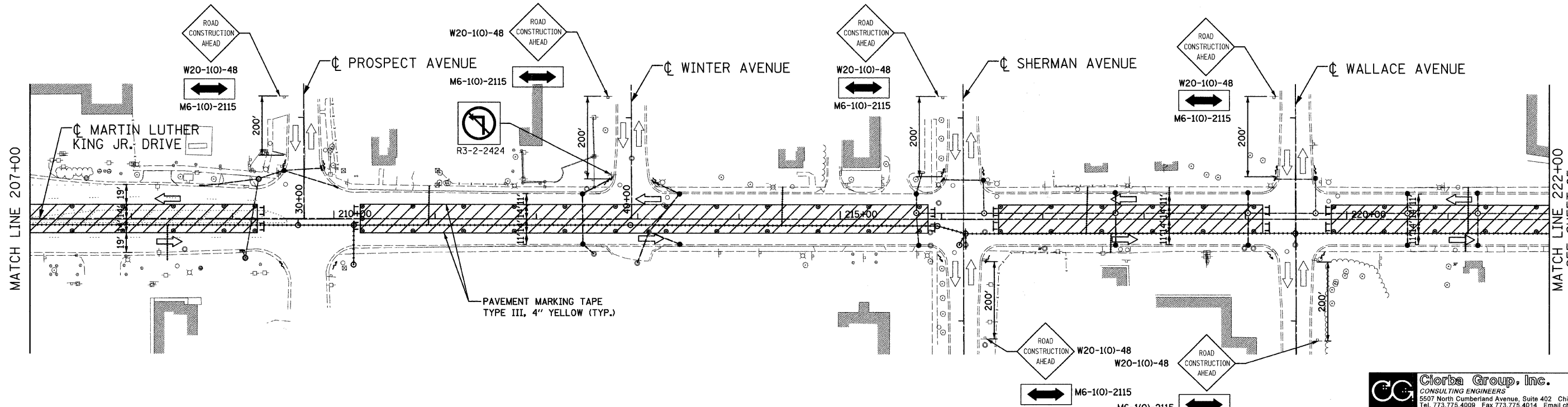
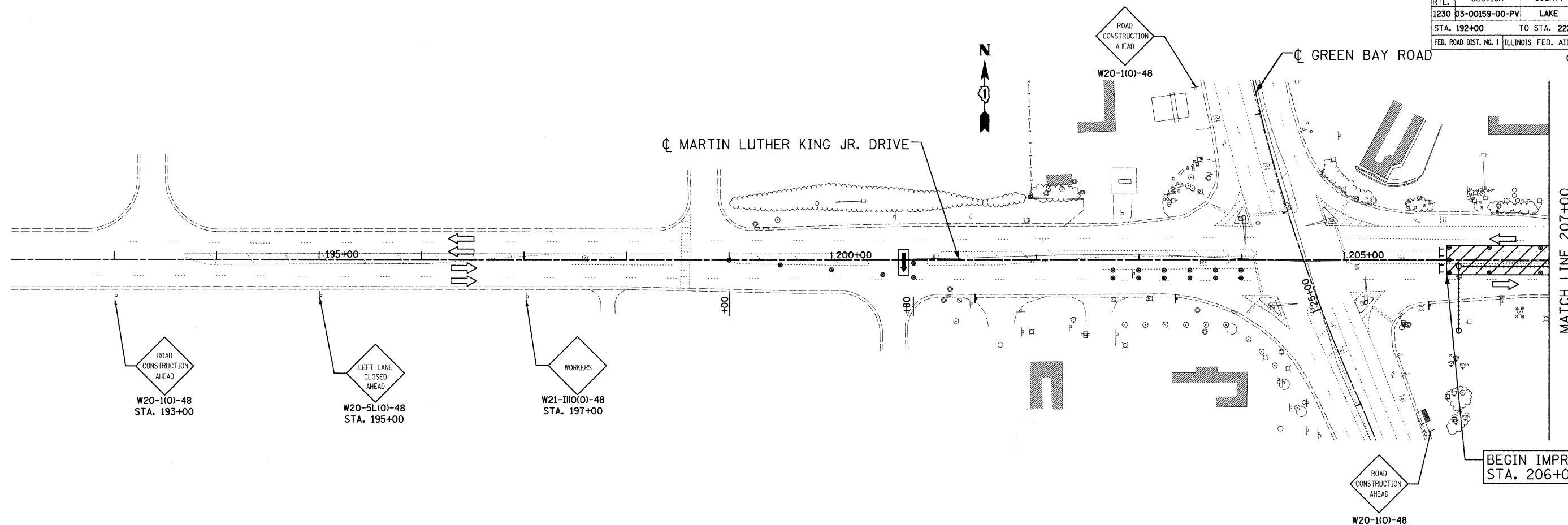
Ciorba Group, Inc.
CONSULTING ENGINEERS
3507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
TRAFFIC CONTROL AND PROTECTION
STAGE 1

SCALE: 1"=50'
DATE: APRIL, 2008
DRAWN BY: BWS
CHECKED BY: MJL

DATE: 6/30/2008
TIME: 10:51:04 AM
FILENAME: N:\PROJ\05161\Design\DOT\Sheets\04-5161-MCT-1-03.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	64
STA. 192+00		TO STA. 222+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



LEGEND	
	TYPE III BARRICADE
	WORK ZONE
	ARROW BOARD
	TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

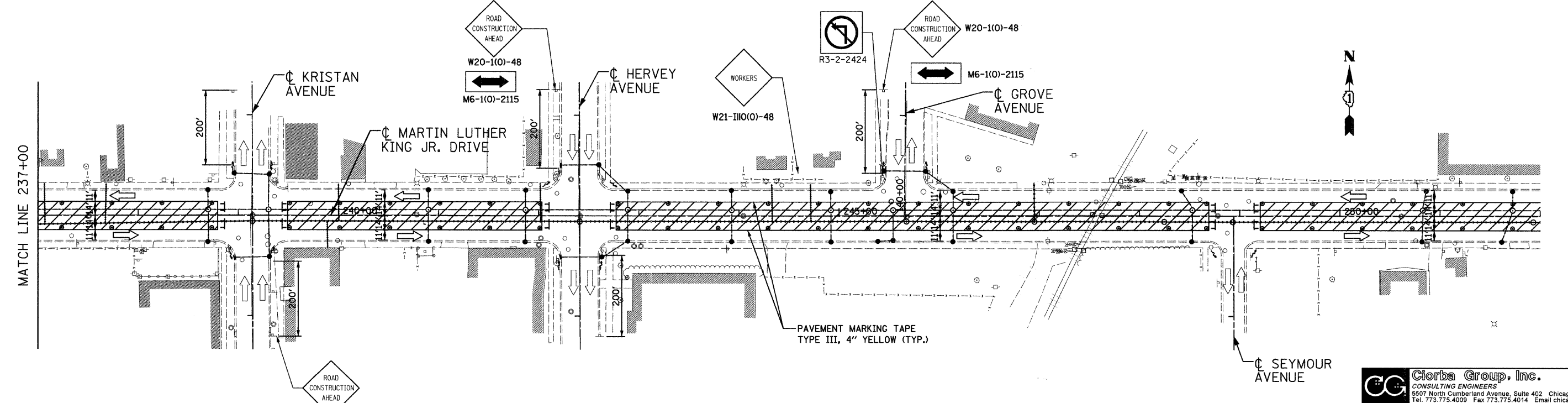
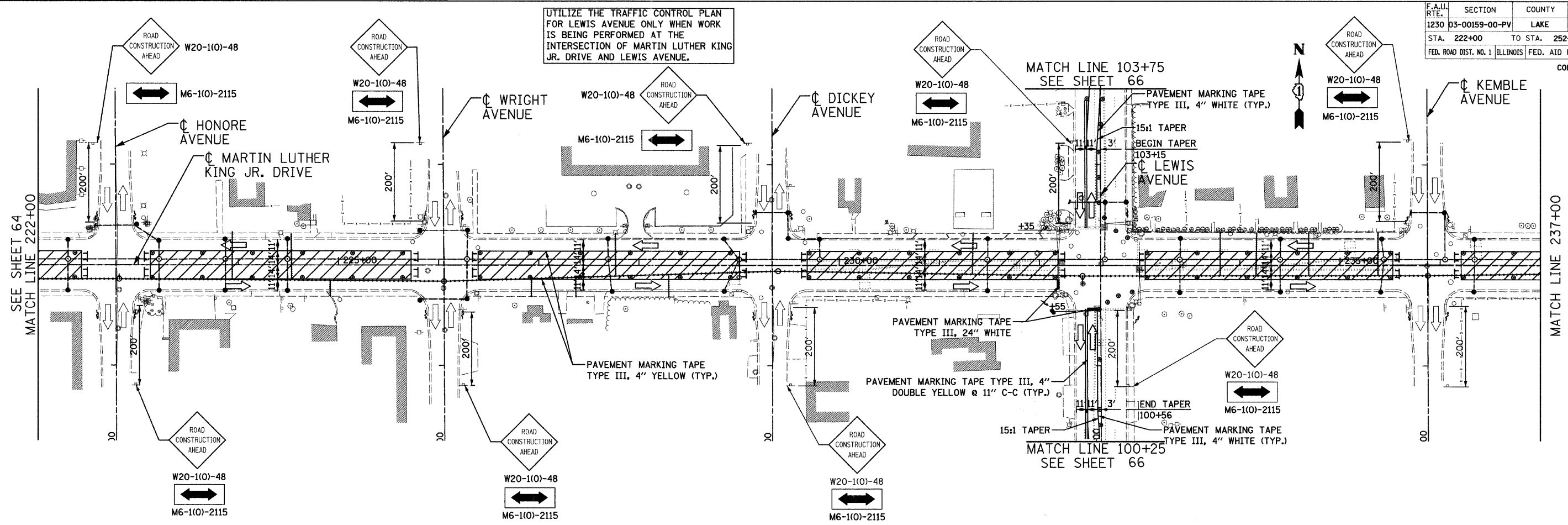
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
TRAFFIC CONTROL AND PROTECTION
STAGE 1A

SCALE: 1"=50'
DATE: APRIL, 2008
DRAWN BY: BWS
CHECKED BY: M.JL

DATE: 6/30/2008
TIME: 3:44:45 PM
FILENAME: N:\PROJ\5161\Design\WOT\Sheets\05-5161-MOT-1a-01.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	65
STA. 222+00		TO STA. 252+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				

UTILIZE THE TRAFFIC CONTROL PLAN FOR LEWIS AVENUE ONLY WHEN WORK IS BEING PERFORMED AT THE INTERSECTION OF MARTIN LUTHER KING JR. DRIVE AND LEWIS AVENUE.



LEGEND	
	TYPE III BARRICADE
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
TRAFFIC CONTROL AND PROTECTION
STAGE 1A

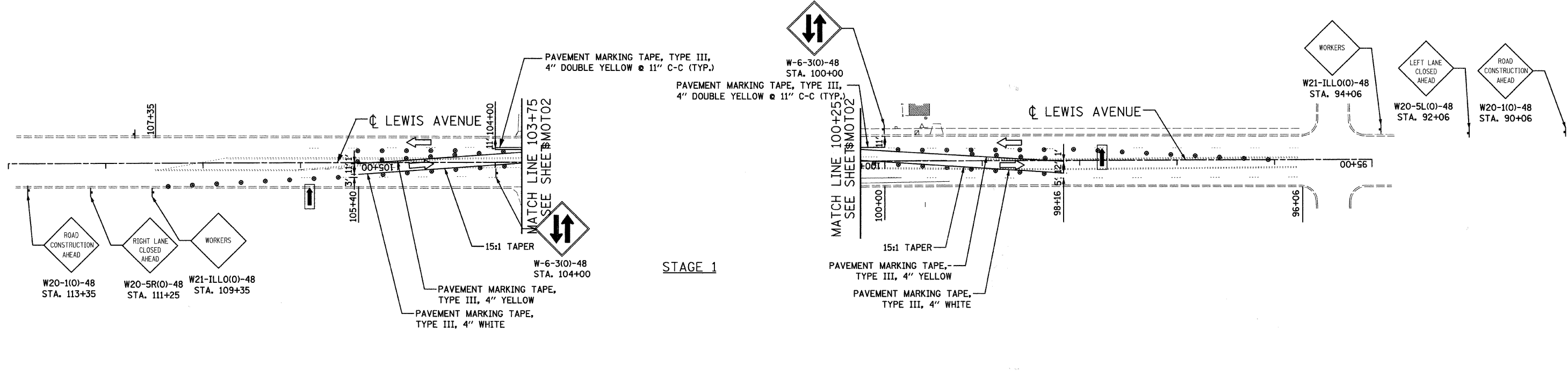
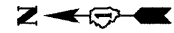
SCALE: 1"=50'
DATE: APRIL, 2008
DRAWN BY: BWS
CHECKED BY: M.JL

DATE: 6/30/2008
TIME: 3:44:57 PM
FILENAME: N:\PROJ\5161\Design\MOT\Sheets\06-5161-MOT-1a-02.dgn

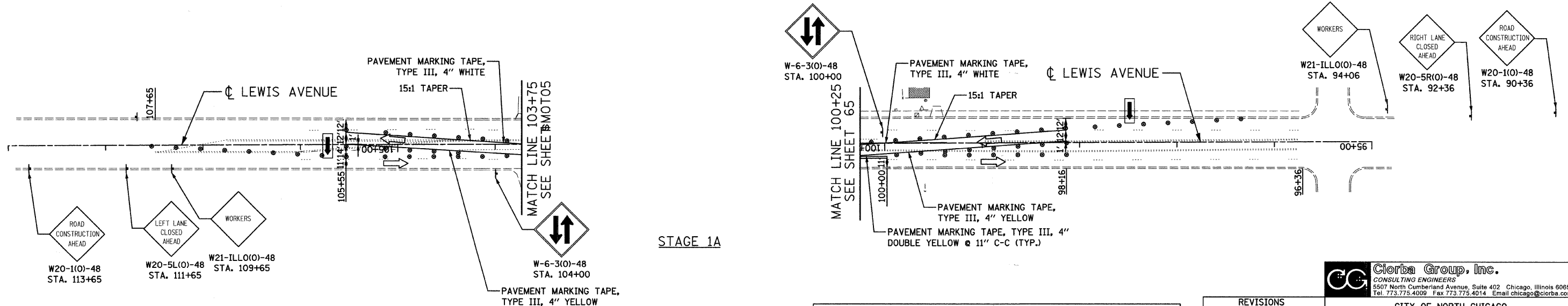
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	66
STA. 222+00 TO STA. 252+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

CONTRACT: 83828

UTILIZE THE TRAFFIC CONTROL PLAN FOR LEWIS AVENUE ONLY WHEN WORK IS BEING PERFORMED AT THE INTERSECTION OF MARTIN LUTHER KING JR. DRIVE AND LEWIS AVENUE.



STAGE 1



STAGE 1A

LEGEND

	TYPE III BARRICADE		TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE		SIGN ON PERMANENT OR TEMPORARY SUPPORT
	ARROW BOARD		

REVISIONS	
NAME	DATE

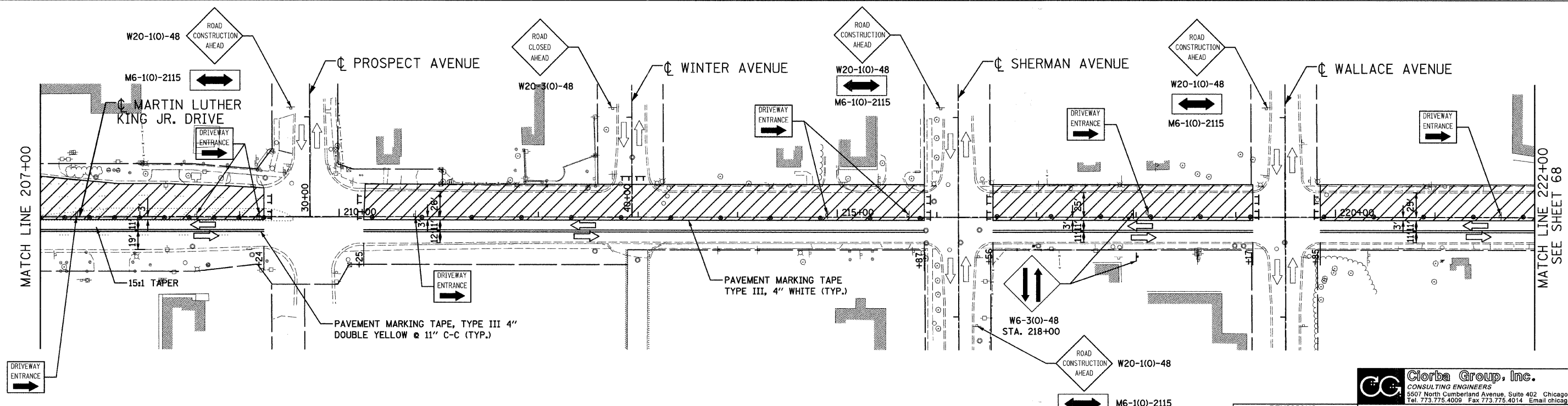
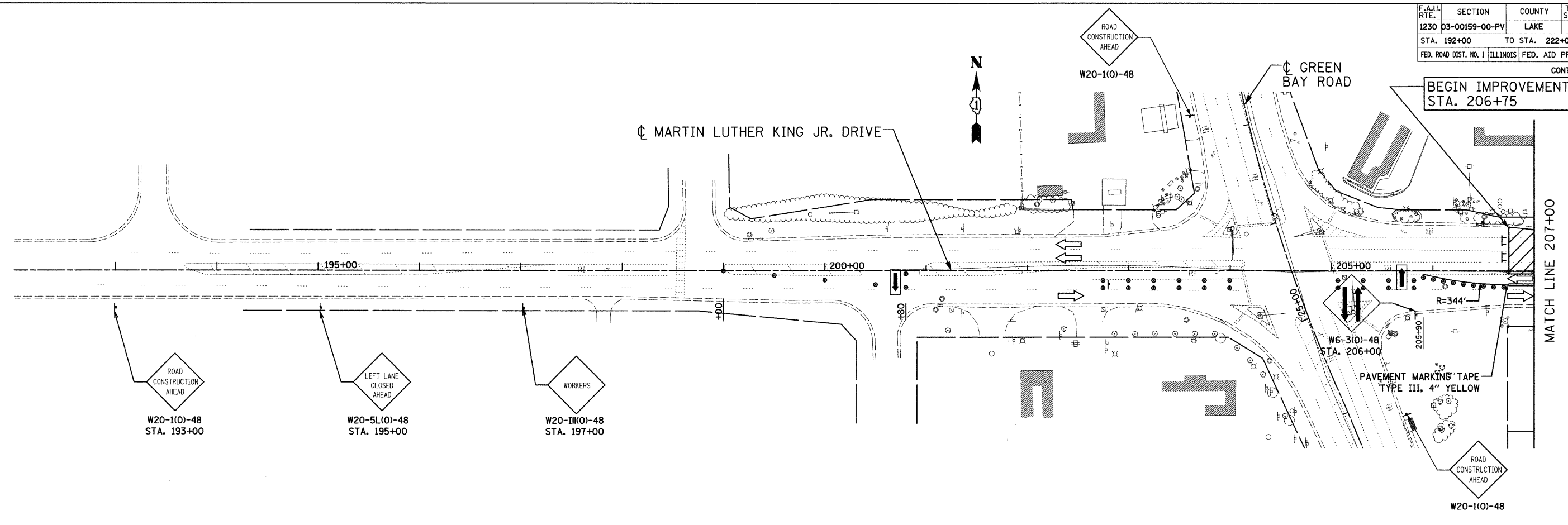
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
TRAFFIC CONTROL AND PROTECTION
LEWIS AVENUE
STAGE 1 AND 1A

SCALE: 1"=50'
DATE: APRIL, 2008
DRAWN BY: BWS
CHECKED BY: MJL

DATE: 6/20/2008
TIME: 3:45:21 PM
FILENAME: N:\PROJ\5161\Design\MOT\Sheets\07-5161-MOT-LEWIS.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	67
STA. 192+00		TO STA. 222+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



LEGEND

	TYPE III BARRICADE		TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE		SIGN ON PERMANENT OR TEMPORARY SUPPORT
	ARROW BOARD		

REVISIONS	
NAME	DATE

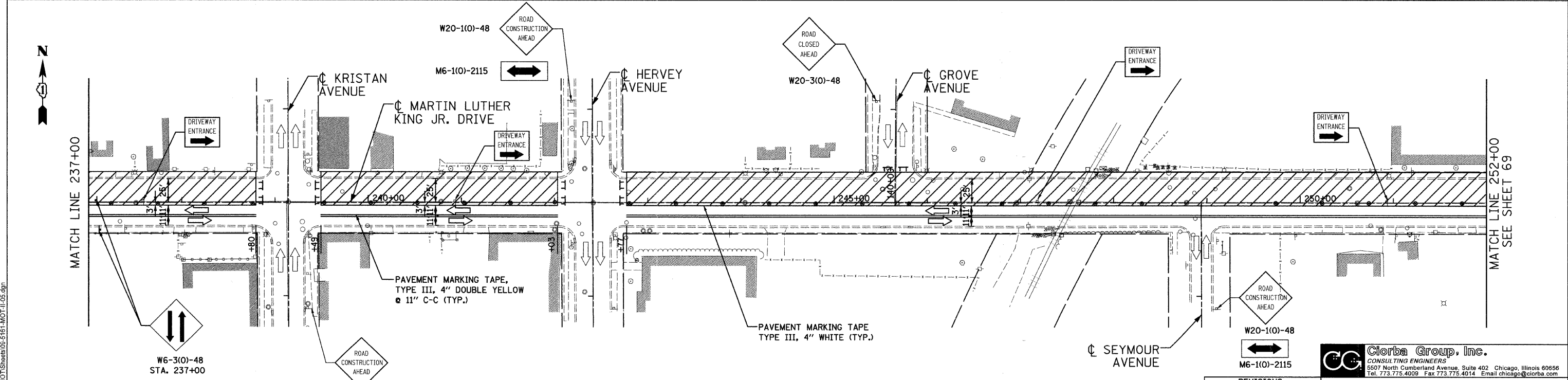
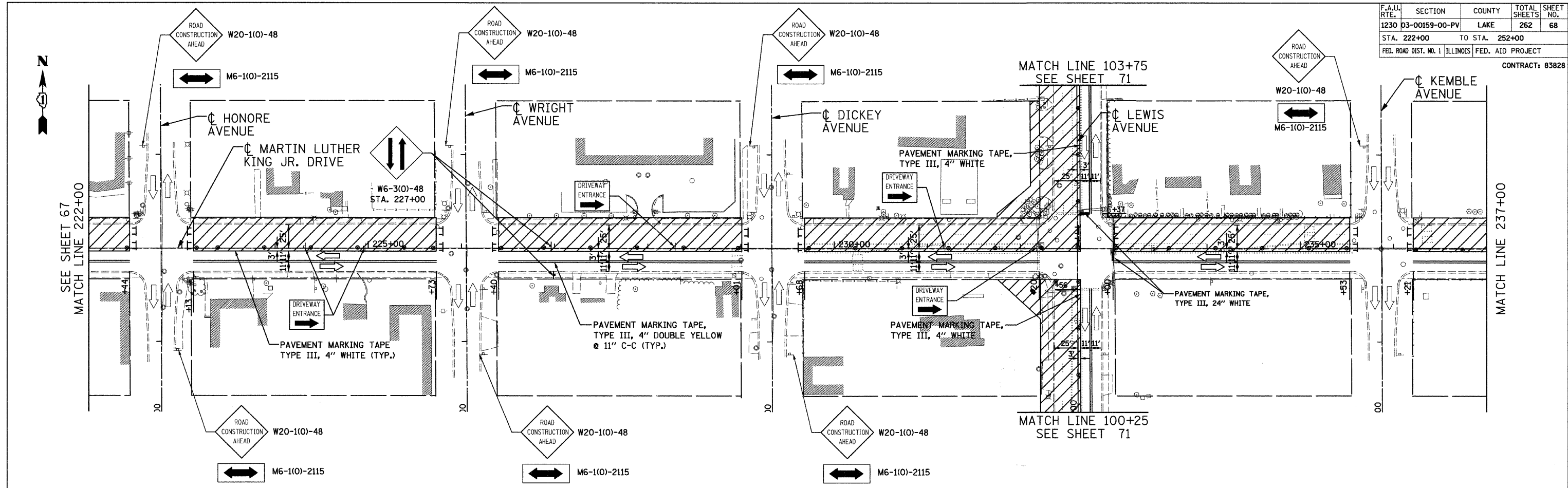
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
TRAFFIC CONTROL AND PROTECTION
STAGE 2

SCALE: 1"=50'
DATE: APRIL, 2008
DRAWN BY: BWS
CHECKED BY: MJL

DATE: 6/30/2008
TIME: 10:00 AM
FILENAME: N:\PROJ\151\Design\DOT\Sheets\08-5151-MOT-11-04.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	68
STA. 222+00		TO STA. 252+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



DATE: 6/30/2008
 FILENAME: N:\PROJ\05\61\Design\MOT\Sheets\05-5161-MOT-11-05.dgn

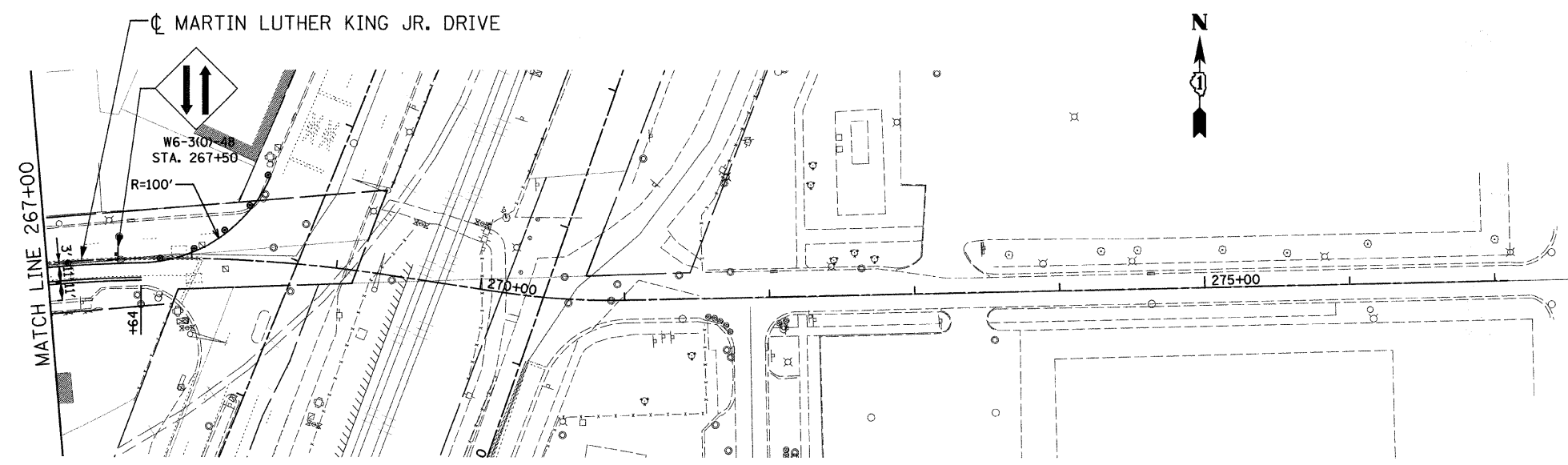
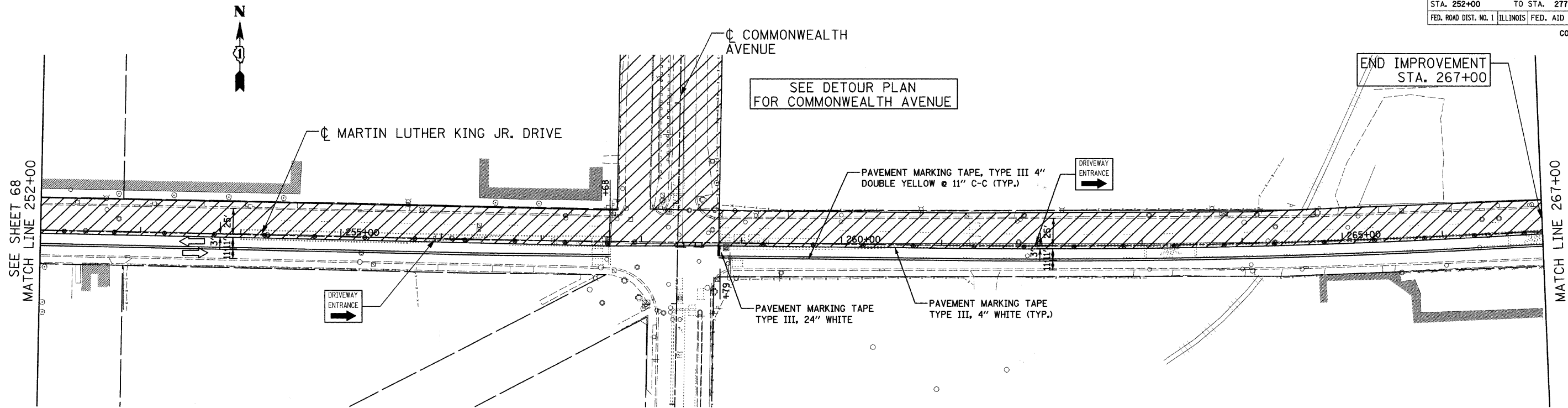
LEGEND	
	TYPE III BARRICADE • MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 STAGE 2

SCALE: 1"=50'
 DATE: APRIL, 2008
 DRAWN BY: BWS
 CHECKED BY: MJL



LEGEND

☐	TYPE III BARRICADE	●	TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
▨	WORK ZONE	—	SIGN ON PERMANENT OR TEMPORARY SUPPORT
➡	ARROW BOARD		

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

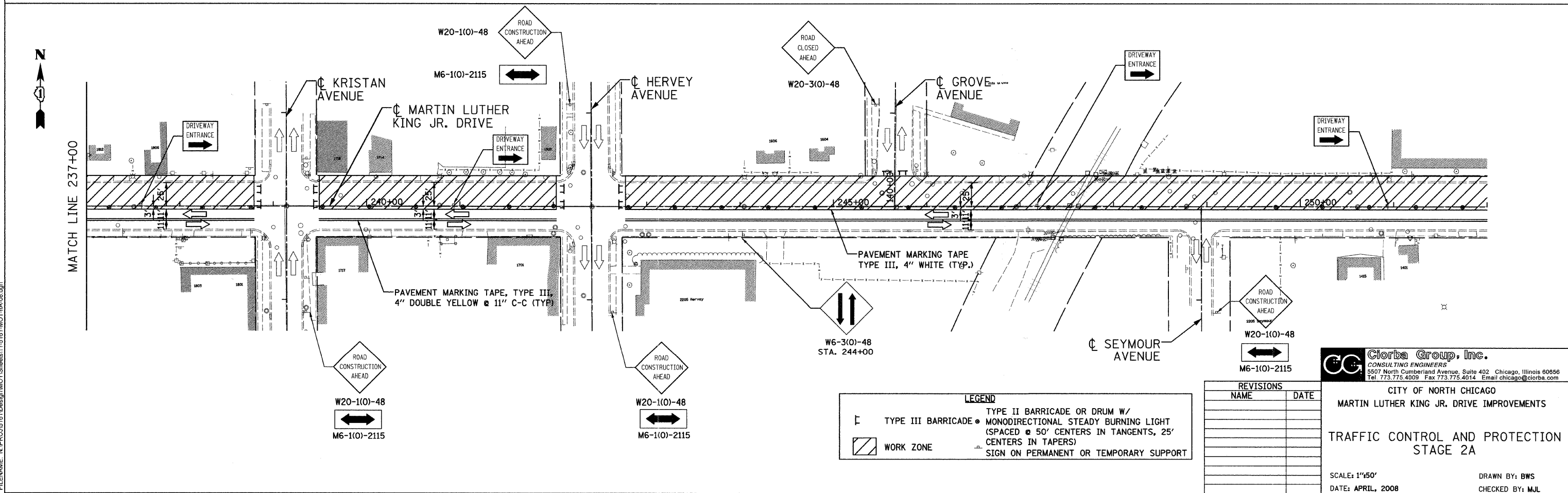
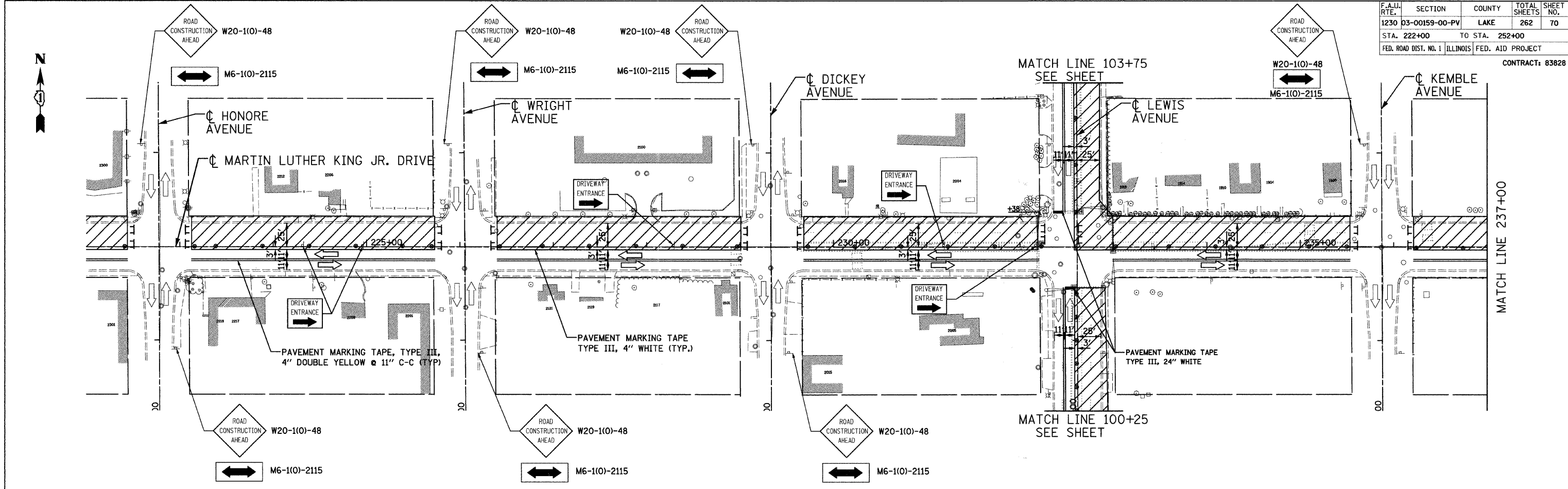
TRAFFIC CONTROL AND PROTECTION
STAGE 2

SCALE: 1"=50'
DATE: APRIL, 2008

DRAWN BY: BWS
CHECKED BY: MJL

DATE: 6/30/2008
FILENAME: N:\PROJECTS\10-6181\MOT\10-6181.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	70
STA. 222+00		TO STA. 252+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



DATE: 8/02/08
 TIME: 3:48:35 PM
 FILENAME: N:\PROJ\5161\Design\MOT\Sheets\11-5161-MOT-11A-08.dgn

LEGEND

	TYPE III BARRICADE • MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

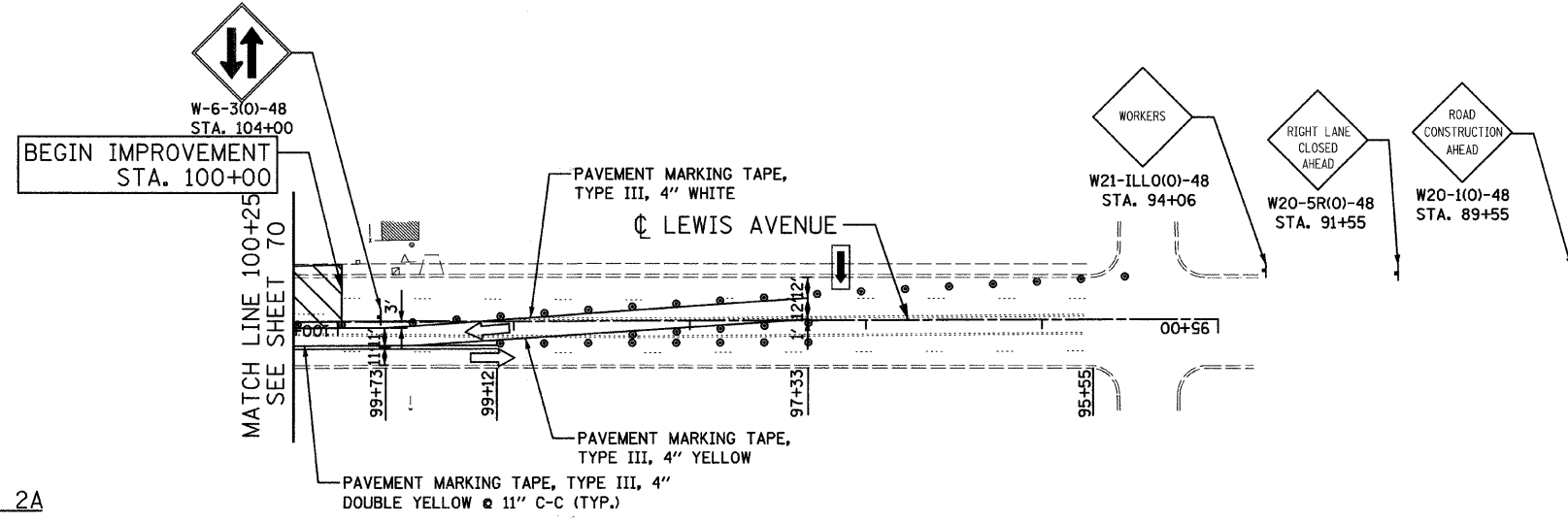
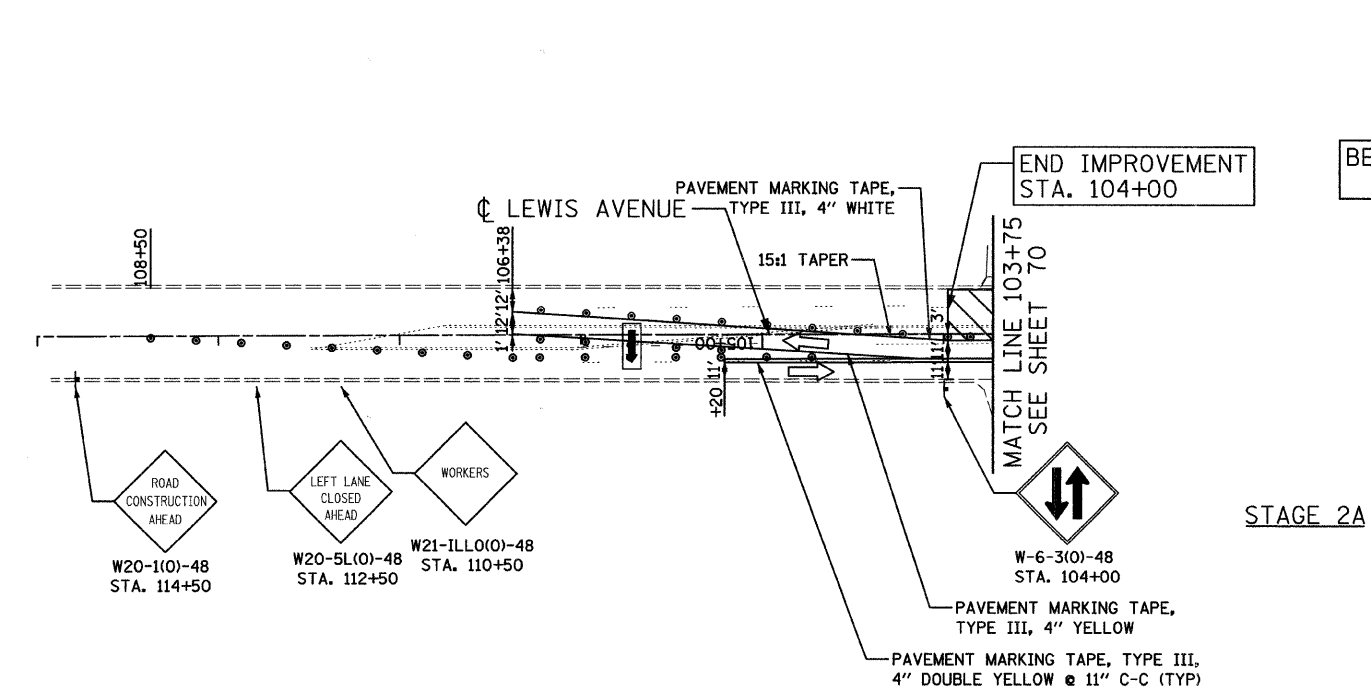
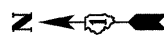
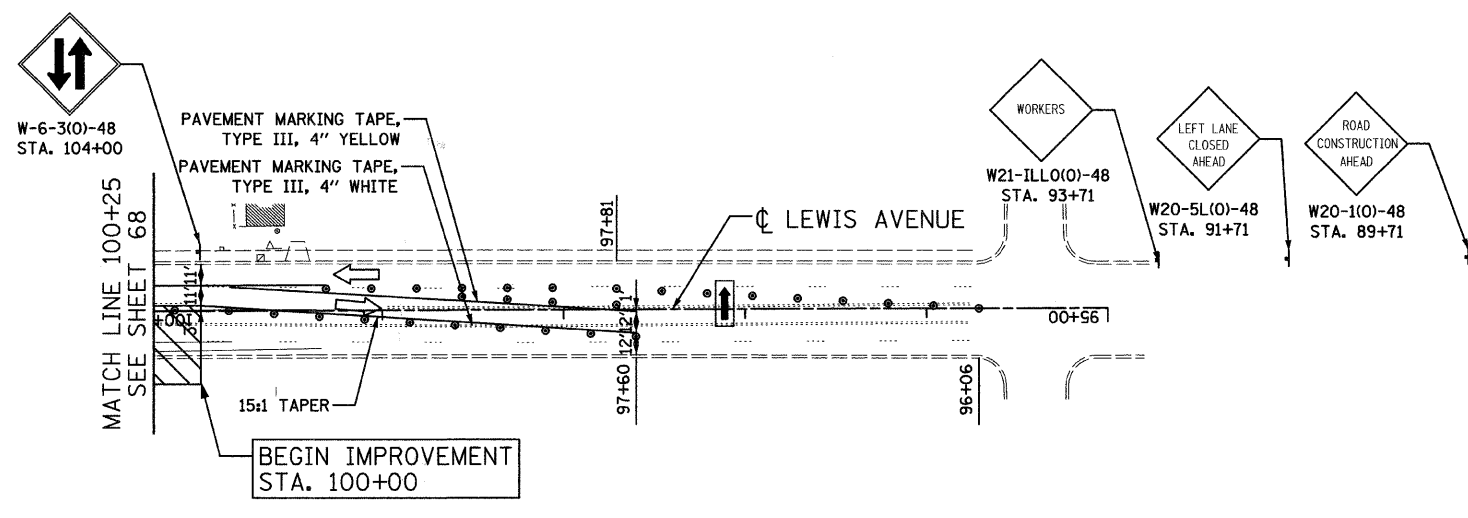
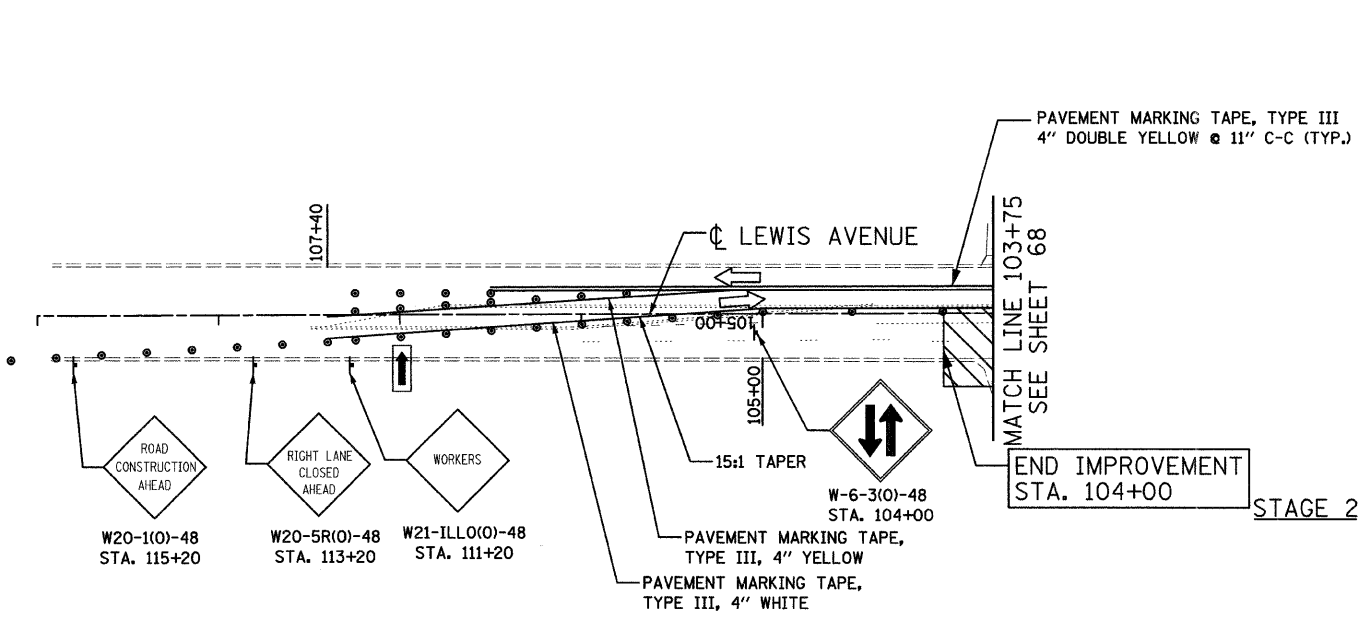
Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 STAGE 2A

SCALE: 1"=50'
 DATE: APRIL, 2008
 DRAWN BY: BWS
 CHECKED BY: M.JL

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	71
STA. 222+00	TO STA. 252+00			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT: 83828



DATE: 6/30/2008
 FILENAME: N:\PROJ\05161\Design\MOT\Sheets\12-5161-MOT-LEW\S2.dgn

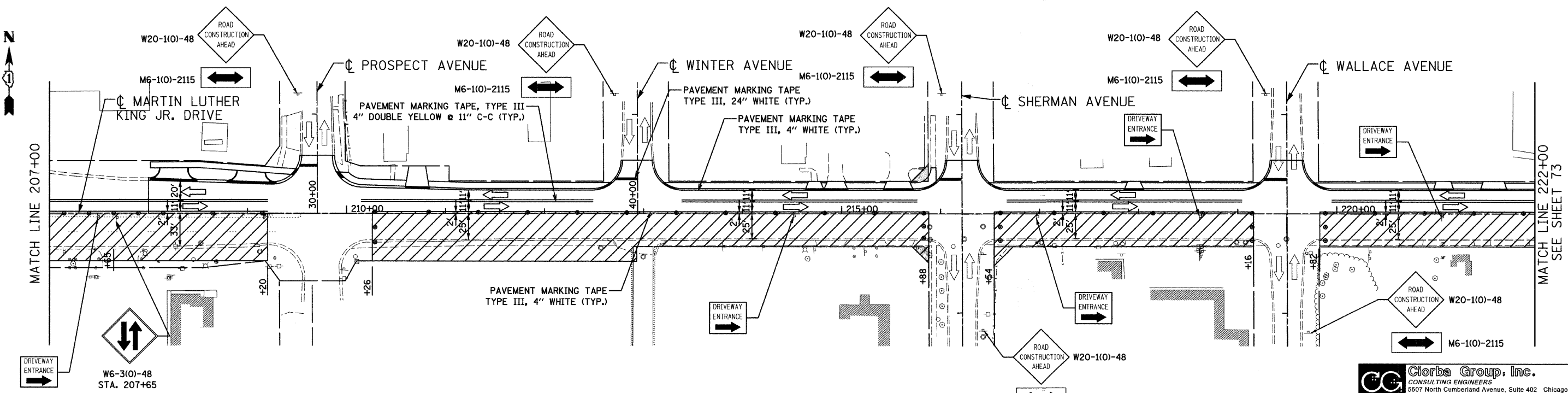
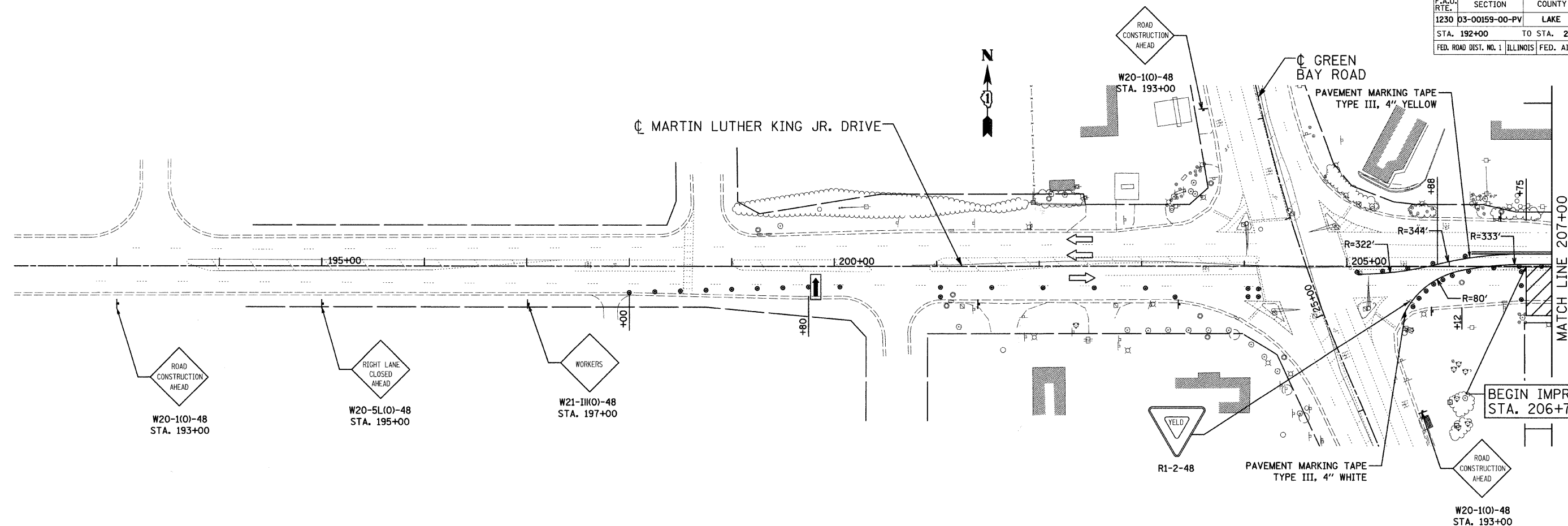
REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 LEWIS AVENUE
 STAGE 2 & 2A

SCALE: 1"=50'
 DATE: APRIL, 2008
 DRAWN BY: BWS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	72
STA. 192+00		TO STA. 222+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				



LEGEND

	TYPE III BARRICADE		TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE		SIGN ON PERMANENT OR TEMPORARY SUPPORT
	ARROW BOARD		

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

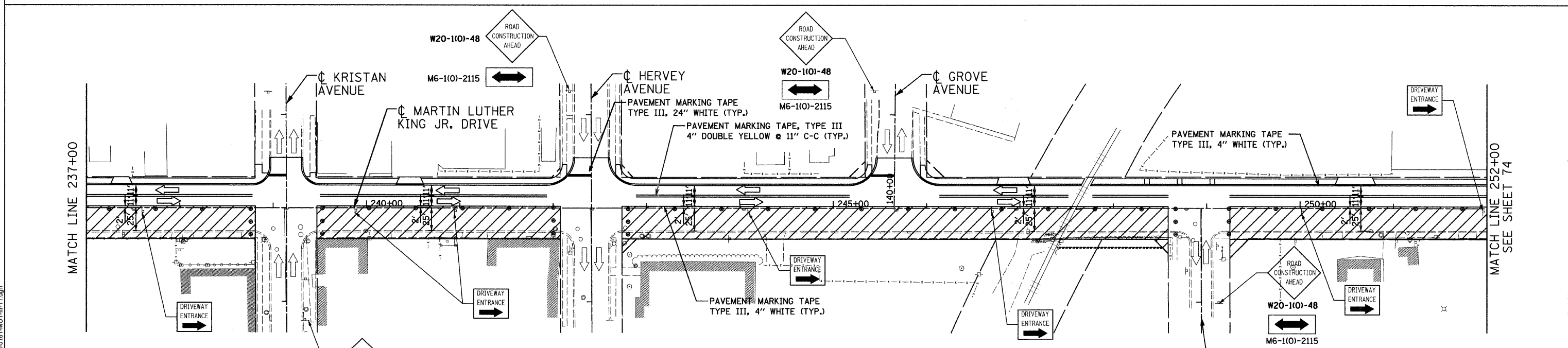
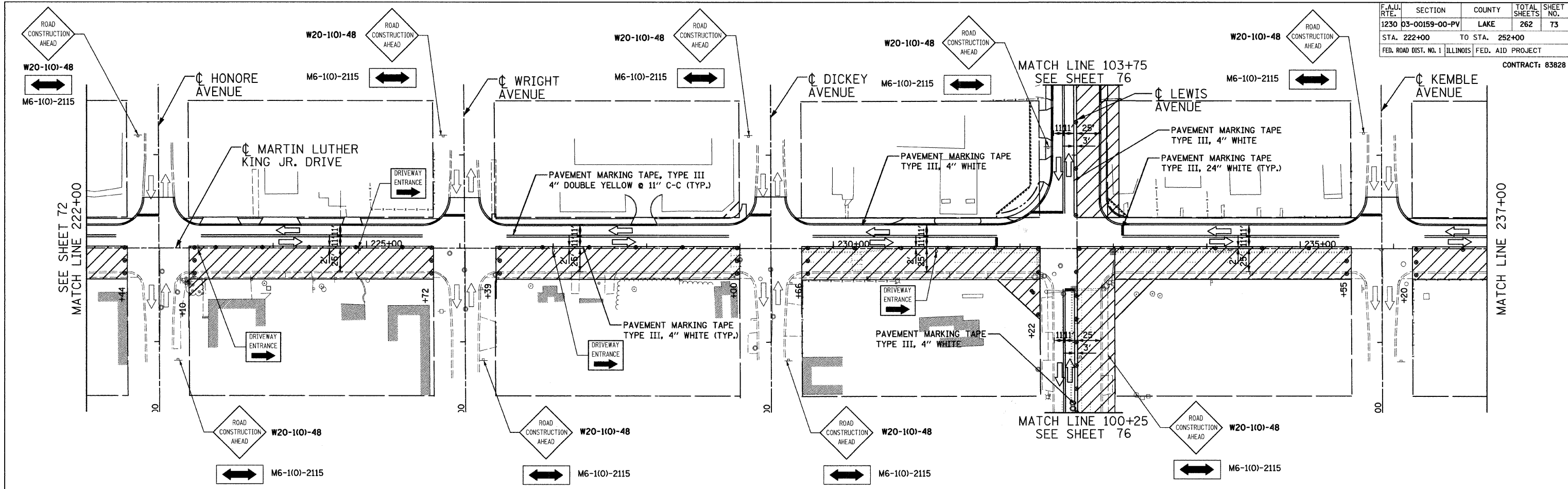
**TRAFFIC CONTROL AND PROTECTION
STAGE 3**

SCALE: 1"=50'
DATE: APRIL, 2008

DRAWN BY: BWS
CHECKED BY: MJL

DATE: 6/30/2008
TIME: 10:00 AM
FILENAME: N:\PROJ\05161\Design\DOT\Sheets\13.516-1\MCT-III-10.dgn

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	73
STA. 222+00		TO STA. 252+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT: 83828				



DATE: 6/30/2008
 TIME: 3:47:28 PM
 FILENAME: N:\PROJECTS\1611\Design\MOT\Sheets\14-5161-MOT-III-11.dgn

LEGEND	
	TYPE III BARRICADE
	WORK ZONE
	TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

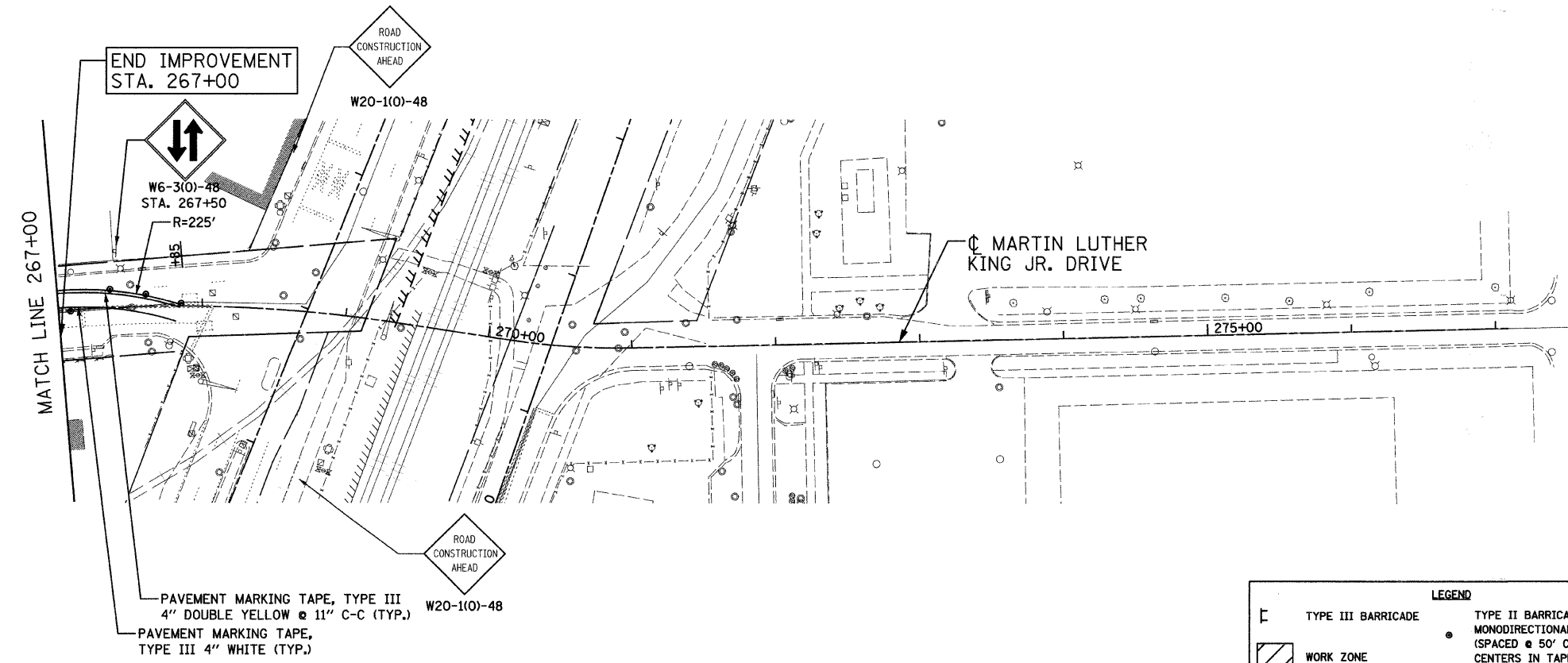
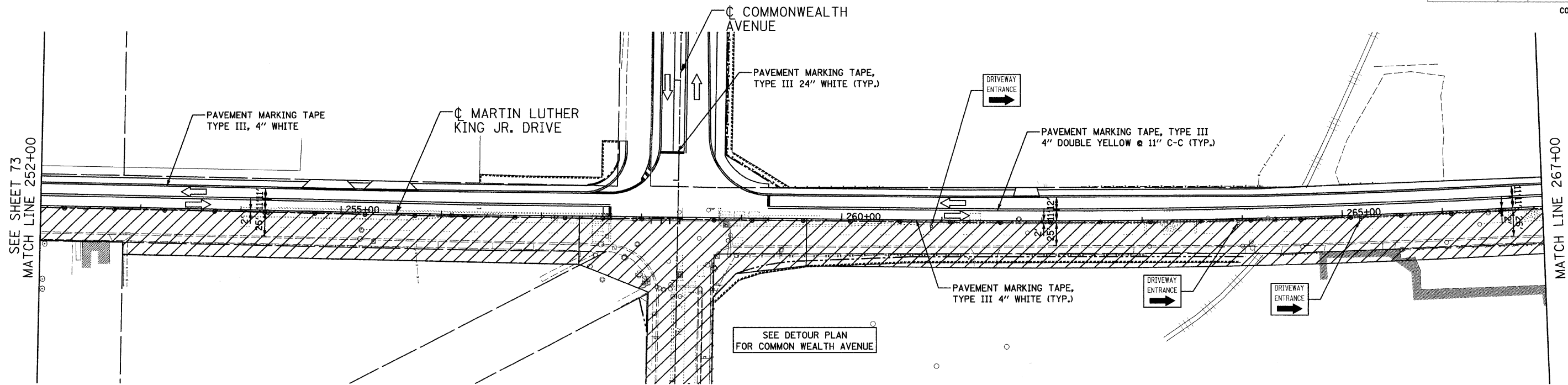
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 STAGE 3

SCALE: 1"=50'
 DATE: APRIL, 2008

DRAWN BY: BWS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	74
STA. 252+00		TO STA. 277+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT: 83828



DATE: 6/30/2008
 FILENAME: N:\PROJ\05161\Design\MOT\Sheets\15-6161-MOT-III-12.dgn

LEGEND	
	TYPE III BARRICADE
	WORK ZONE
	ARROW BOARD
	TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

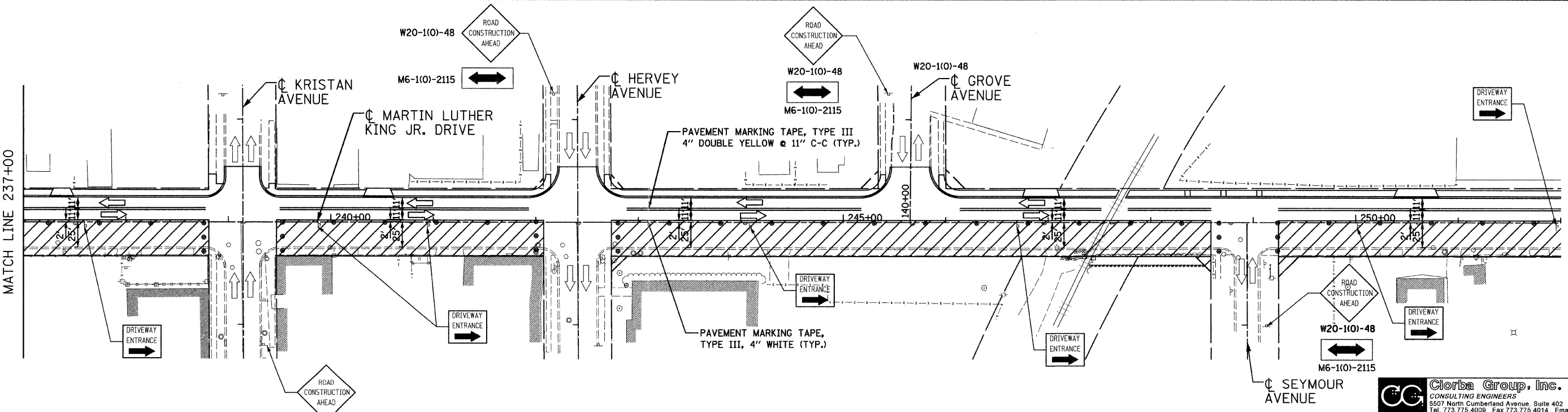
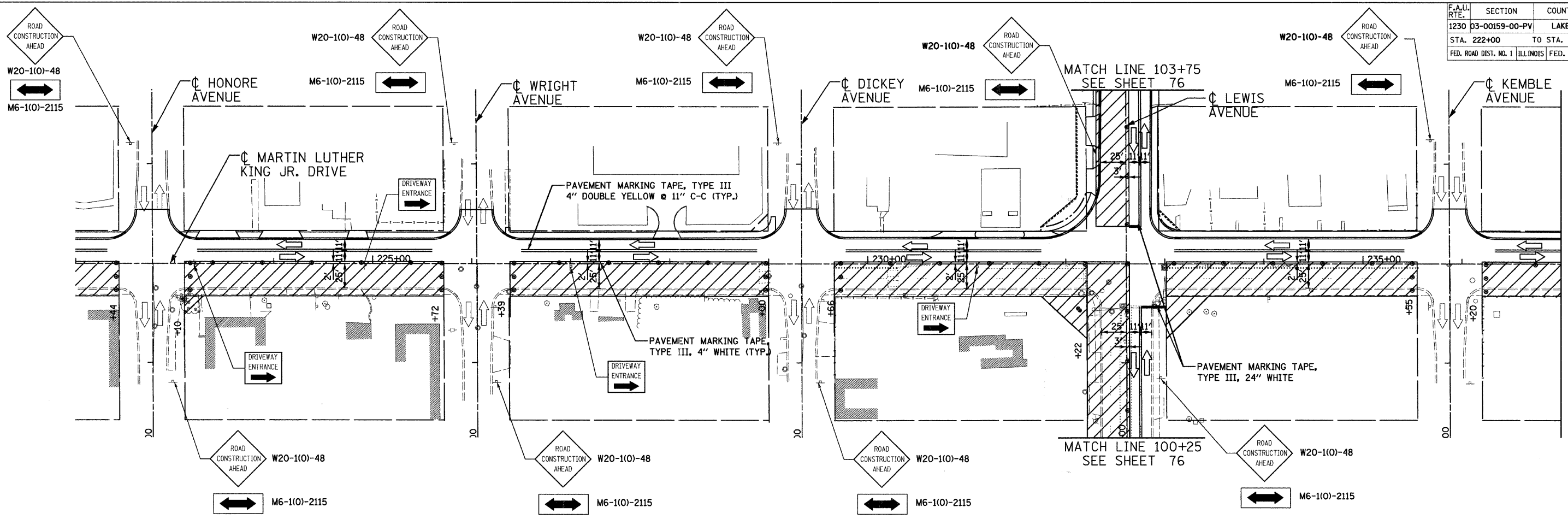
REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4008 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 STAGE 3

SCALE: 1"=450'
 DATE: APRIL, 2008
 DRAWN BY: BWS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	75
STA. 222+00		TO STA. 252+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



DATE: 6/30/2008
 FILENAME: N:\PROJECTS\61\Design\MOT\Sheets\16-6161\MOT-III-13.dgn

LEGEND

	TYPE III BARRICADE		TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE		SIGN ON PERMANENT OR TEMPORARY SUPPORT

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

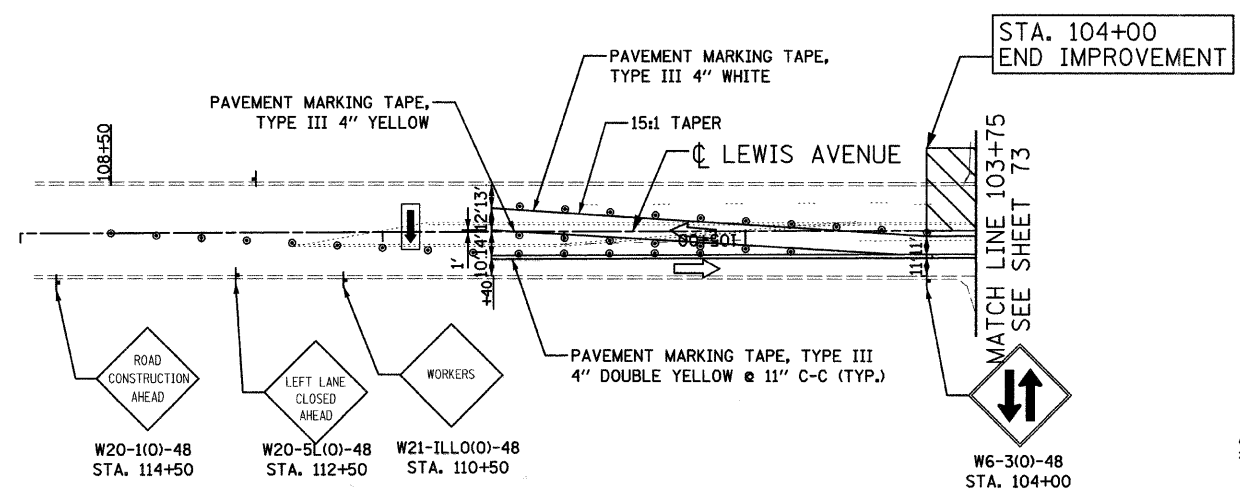
TRAFFIC CONTROL AND PROTECTION
 STAGE 3A

SCALE: 1"=50'
 DATE: APRIL, 2008

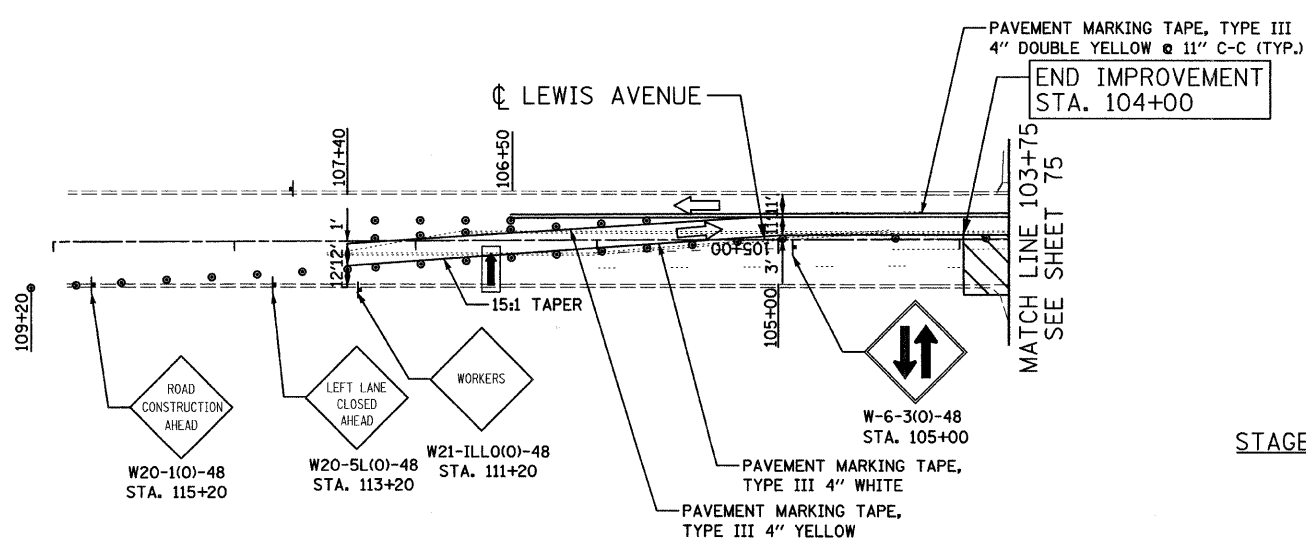
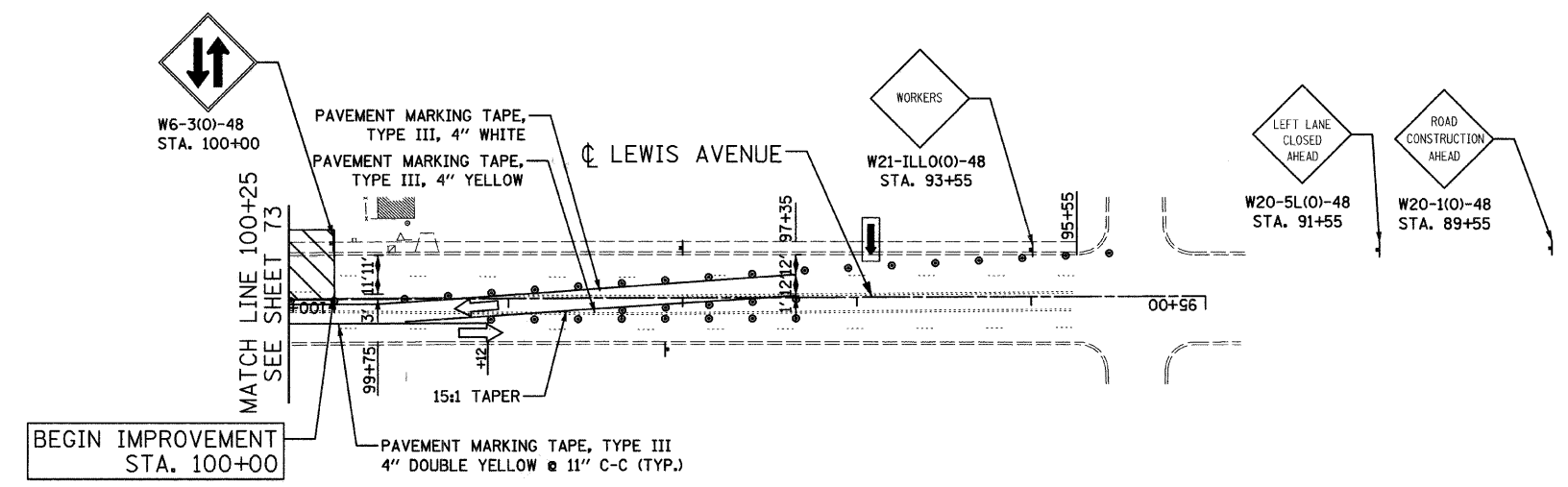
DRAWN BY: BWS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	76
STA. 222+00	TO STA. 252+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

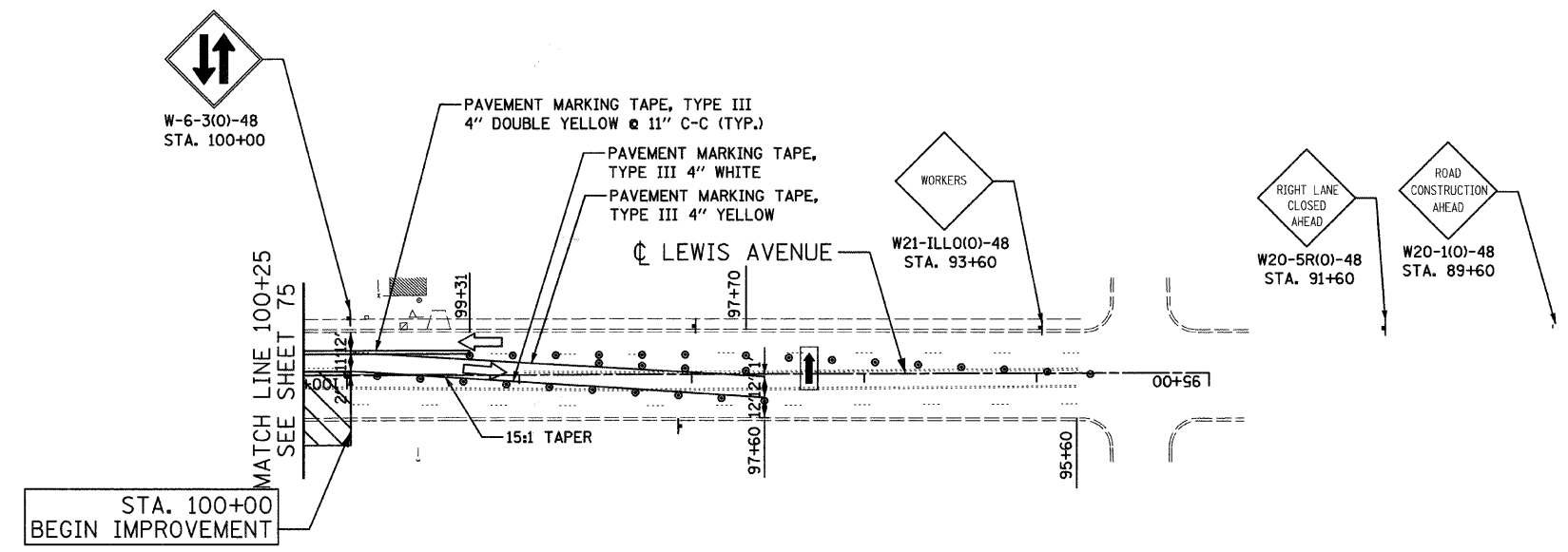
CONTRACT: 83828



STAGE 3



STAGE 3A



DATE: 6/30/2008
 FILENAME: N:\PROJ\05161\Design\MOT\Sheets\17-5161-MOT-LEWISS3.dgn

LEGEND

	TYPE III BARRICADE		TYPE II BARRICADE OR DRUM W/ MONODIRECTIONAL STEADY BURNING LIGHT (SPACED @ 50' CENTERS IN TANGENTS, 25' CENTERS IN TAPERS)
	WORK ZONE		SIGN ON PERMANENT OR TEMPORARY SUPPORT
	ARROW BOARD		

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 TRAFFIC CONTROL AND PROTECTION
 LEWIS AVENUE
 STAGE 3 & 3A

SCALE: 1"=50'
 DATE: APRIL, 2008

DRAWN BY: BWS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	77
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT: 83828

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

AT THE BEGINNING OF CONSTRUCTION, CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF RECONSTRUCTING MARTIN LUTHER KING DRIVE, LEWIS AVE., AND COMMONWEALTH AVE.
2. CONSTRUCTION INCLUDES PAVEMENT RECONSTRUCTION, CURB AND GUTTER, SIDEWALK, EARTH EXCAVATION, STORM SEWERS, WATERMAIN, SANITARY SEWERS, MANHOLES, INLETS, VARIOUS OTHER PAVEMENT ITEMS, LIGHTING, TRAFFIC SIGNALS, AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. ISOLATED TREE REMOVAL AS SHOWN ON THE PLANS. TREES TO REMAIN WILL BE PROTECTED AGAINST DAMAGE.
2. EXCAVATION AND EMBANKMENT WILL BE COMPLETED ALONG THE JOB SITE TO GRADE OUT FOR THE PROPOSED ROADWAY.
3. STORM SEWERS, WATERMAIN, SANITARY SEWER, MAINLINE MANHOLES, AND INLETS CONSTRUCTION.
4. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL. SUCH AS PERIMETER EROSION CONTROL BARRIER, INLET FILTERS, ETC.
5. PAVEMENT RECONSTRUCTION WORK.
6. FINAL GRADING, PAVING, AND OTHER MISCELLANEOUS ITEMS.
7. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SODDING, ETC.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE ACRES 12.1 OF WHICH 12.1 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. PETTIBONE CREEK

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE DRAWINGS, SPECIFICATIONS, AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: SODDING, PROTECTION OF TREES, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (A.) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (B.) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (C.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, INLET FILTERS AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (A.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (B.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - (C.) EXCAVATED AREAS AND EMBANKMENT SHALL BE SODDED IMMEDIATELY AFTER FINAL GRADING.
 - (D.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OF OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (E.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (F.) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION
 - (G.) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SODDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, AND CLEANED UP.

MAINTENANCE AFTER CONSTRUCTION:

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I.D.O.T. FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION FOR EROSION CONTROL.
2. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.



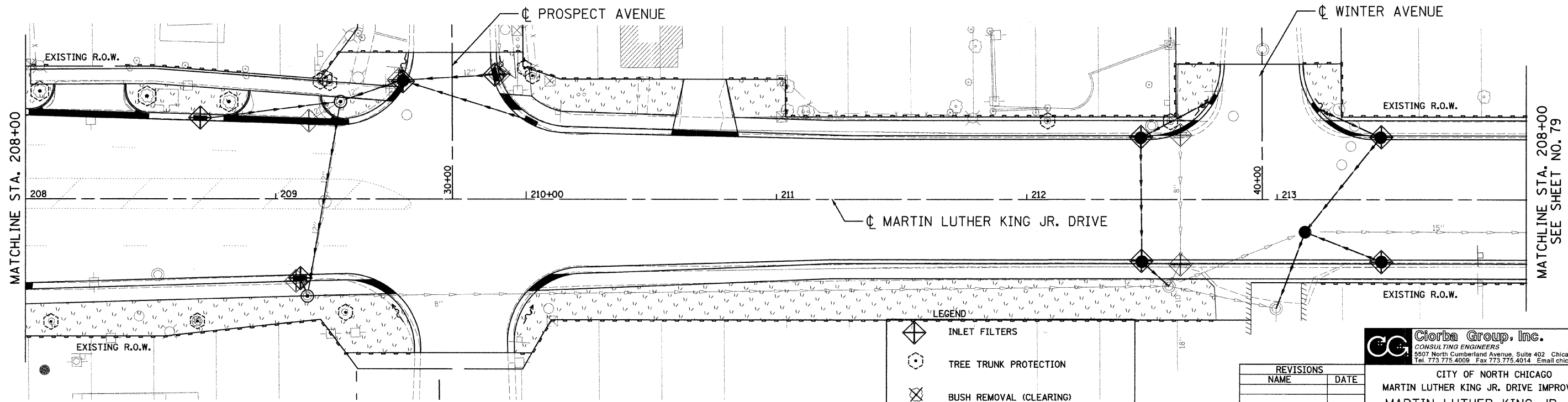
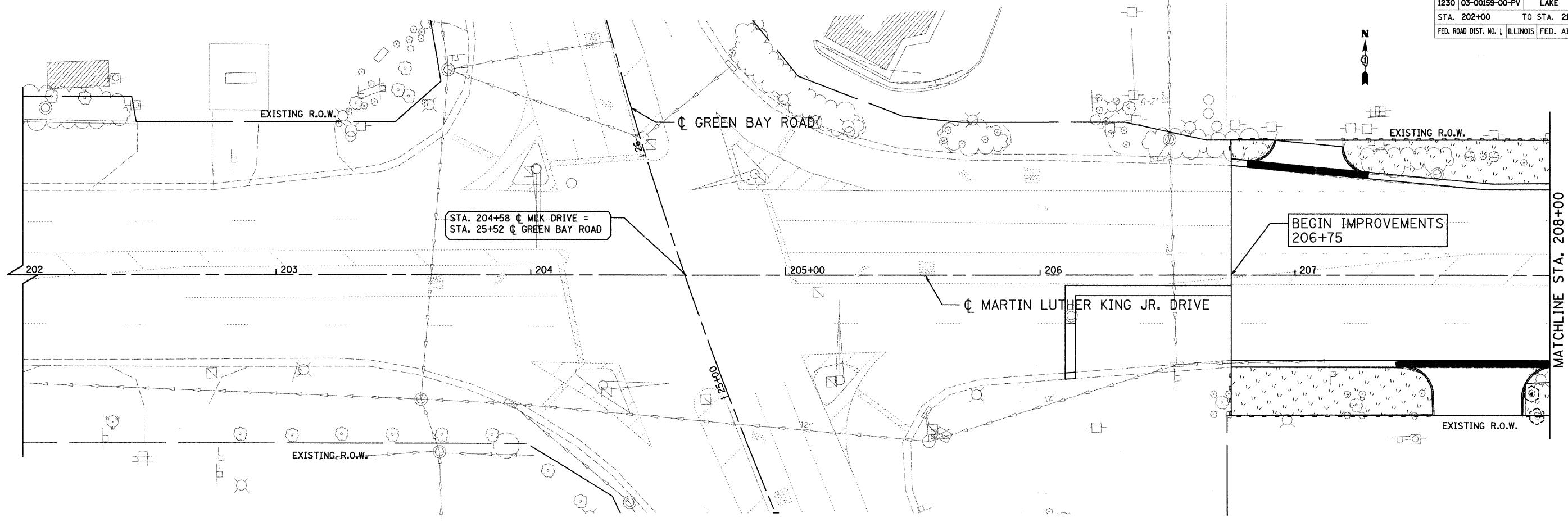
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 STORMWATER POLLUTION
 PREVENTION PLAN

REVISIONS	
NAME	DATE

SCALE: NTS
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

DATE: 7/17/08
 TIME: 11:53 AM
 FILENAME: N:\PROJECTS\161\Design\Erosion\161\S\SWPPP.dgn

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	78
STA. 202+00		TO STA. 214+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

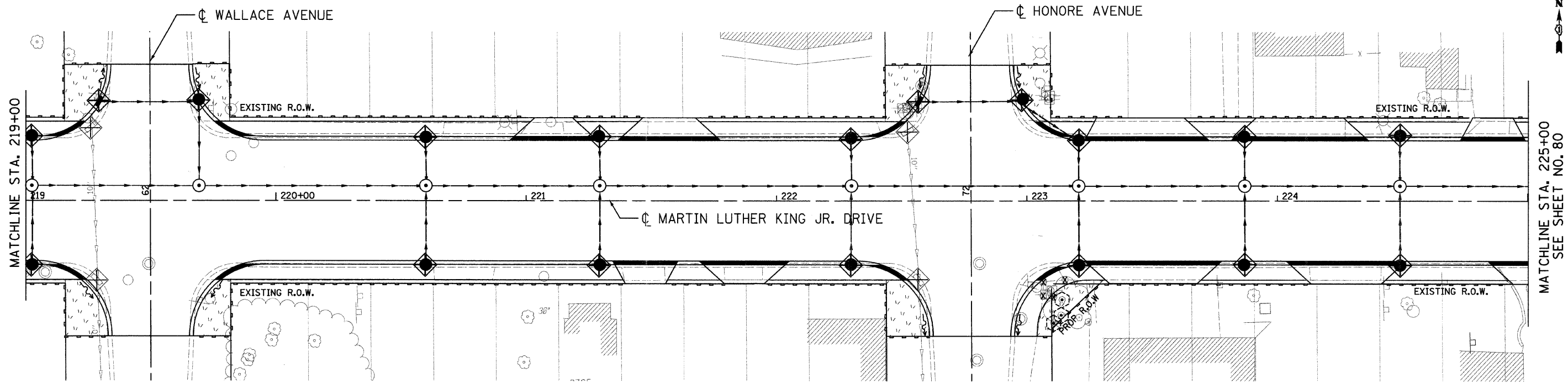
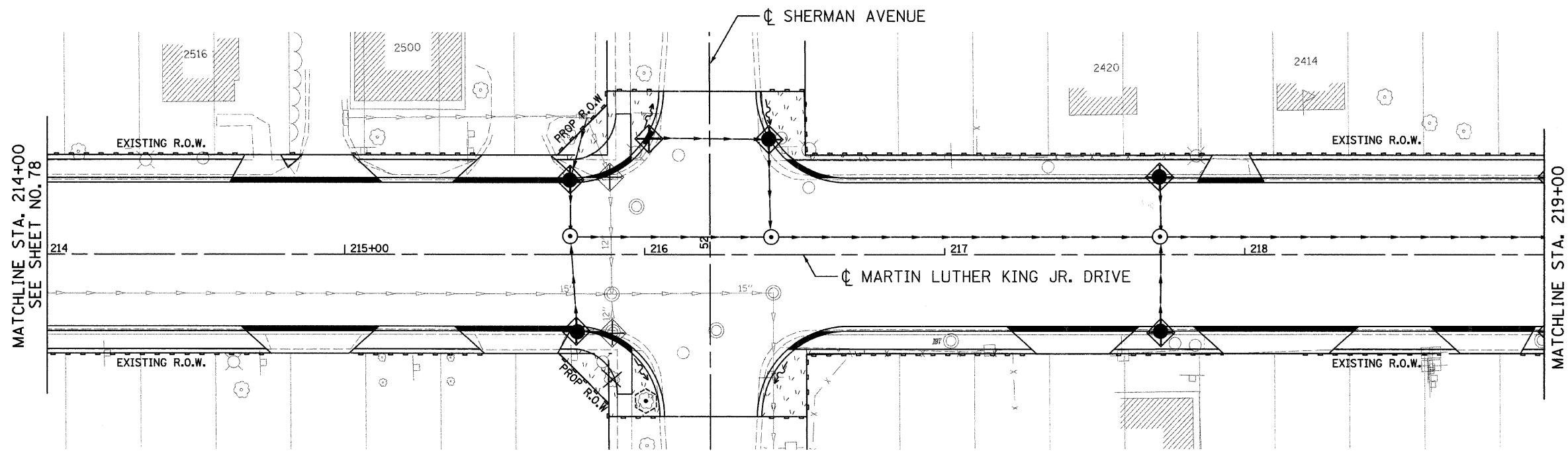
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EROSION CONTROL
AND LANDSCAPING
STA. 202+00 TO 214+00

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 10:00 AM
FILENAME: N:\PROJ\05161\Design\EROSION\161-EROC-01.dgn

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	79
STA. 214+00		TO STA. 225+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

REVISIONS	
NAME	DATE

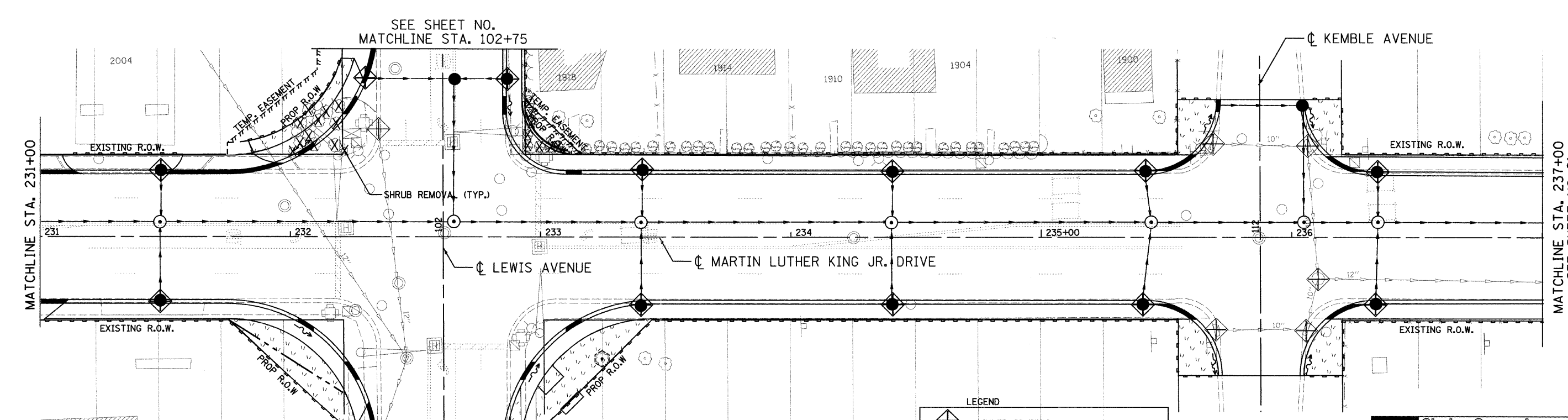
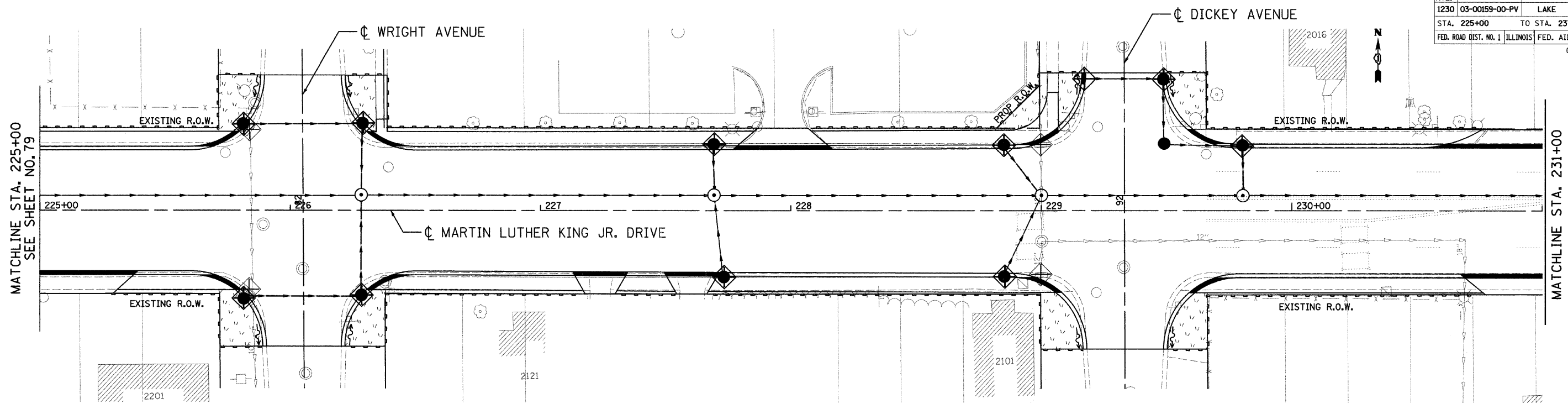
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EROSION CONTROL
AND LANDSCAPING
STA. 214+00 TO 225+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 7:35:18 AM
FILENAME: N:\PROJ\51611\Design\Erosion\51611-ERO-02.dgn

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	80
STA. 225+00		TO STA. 237+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

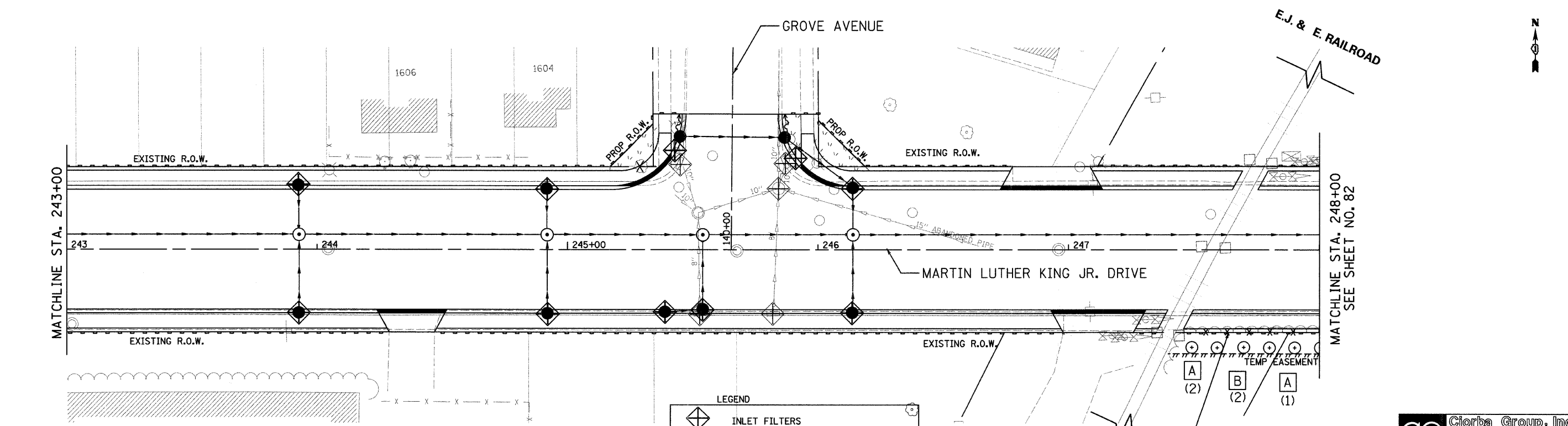
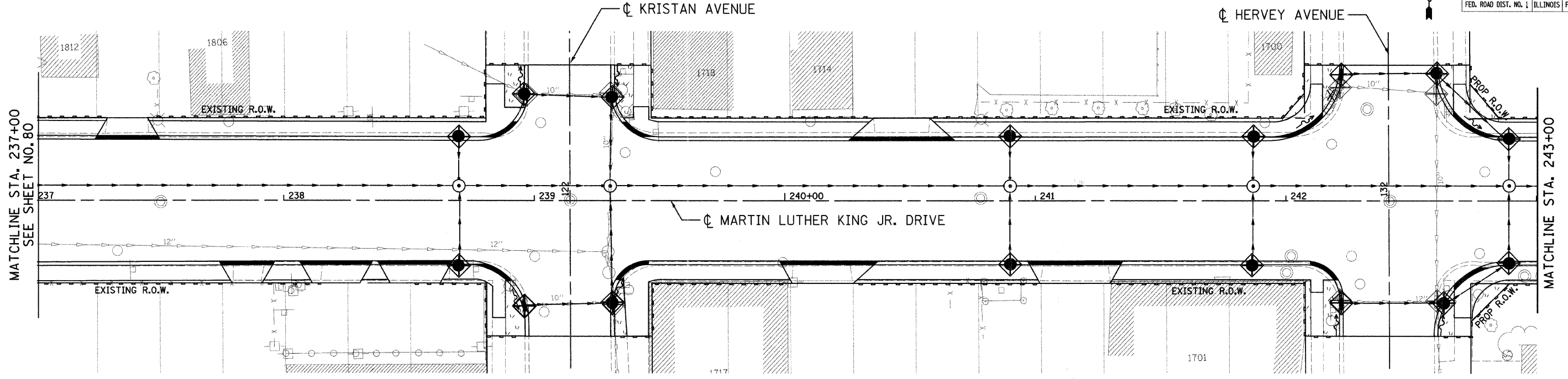
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EROSION CONTROL
AND LANDSCAPING
STA. 225+00 TO 237+00

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 7:35:50 AM
FILENAME: N:\PROJ\05161\Design\Erosion\05161-ERC-03.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	81
STA. 237+00		TO STA. 248+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

- A** T-OSTRYA VIRG 2
- B** T-QUERCUS MEUH 2

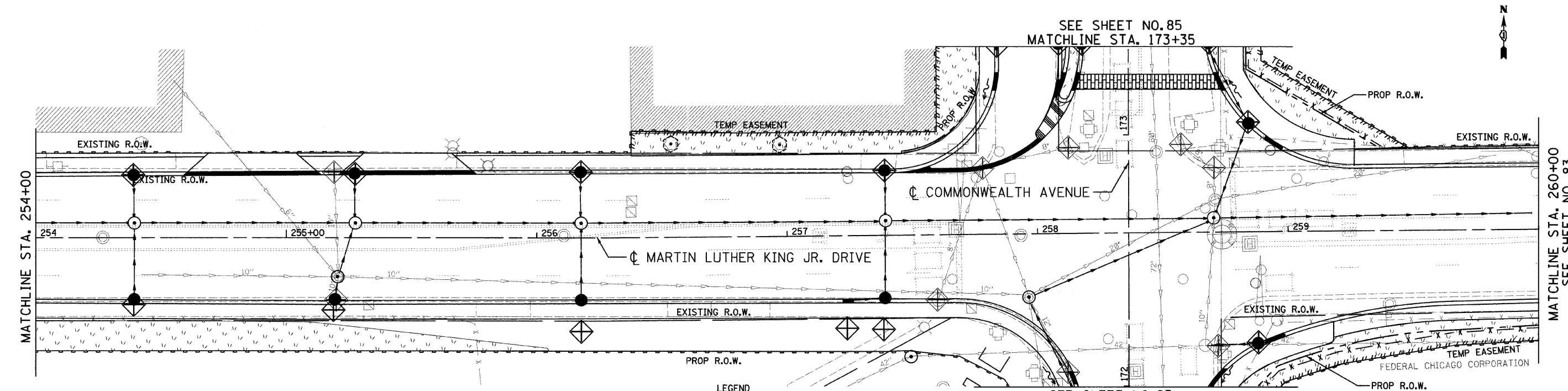
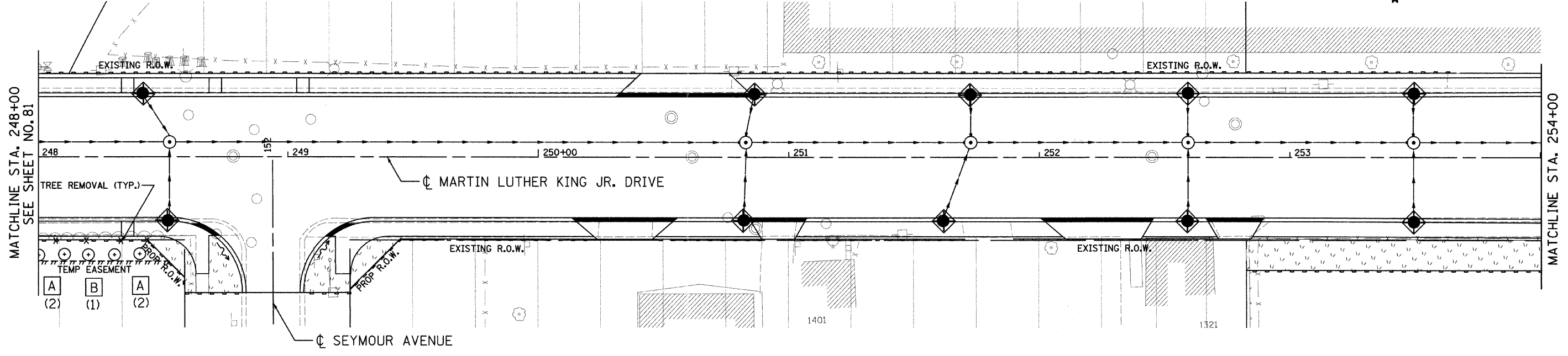
REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EROSION CONTROL
AND LANDSCAPING
STA. 237+00 TO 248+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 7:36:02 AM
FILENAME: N:\PROJ\5161\Design\Erosion\5161-ERO-04.dgn



- [A] T-OSTRYA VIRG 2
- [B] T-QUERCUS MEUH 2

LEGEND	
	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

SEE SHEET NO. 85
MATCHLINE STA. 172+00

REVISIONS	
NAME	DATE

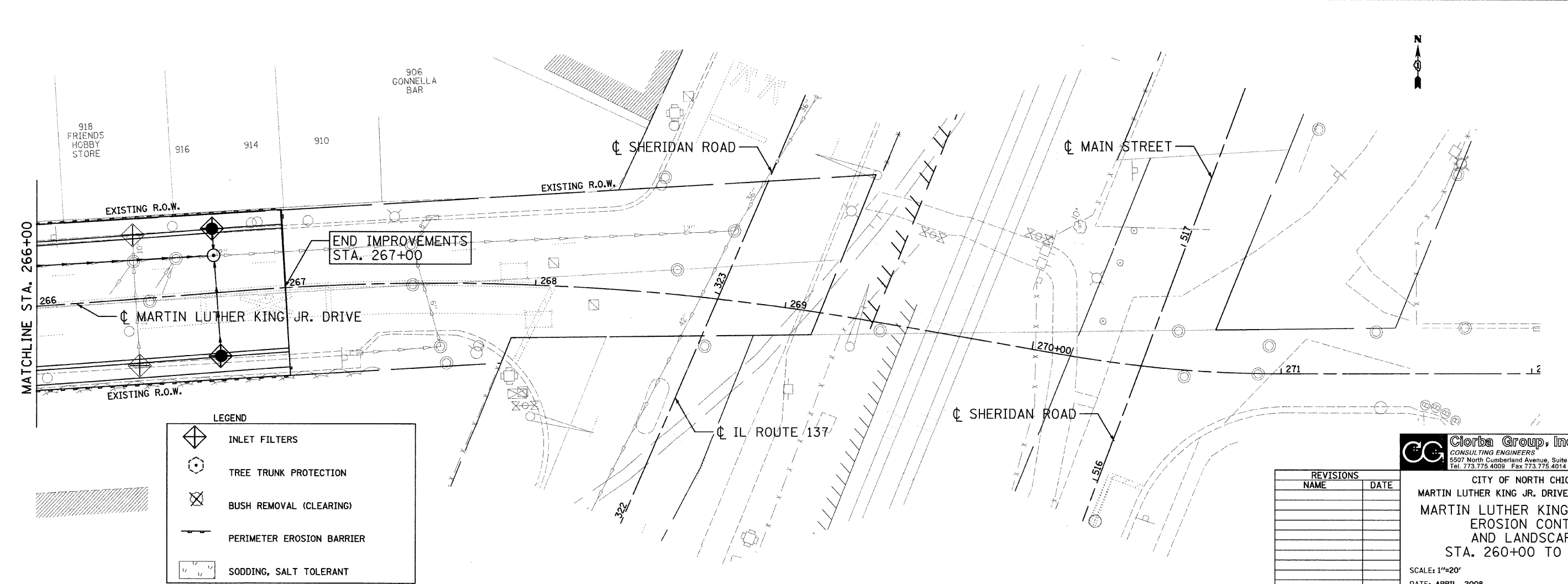
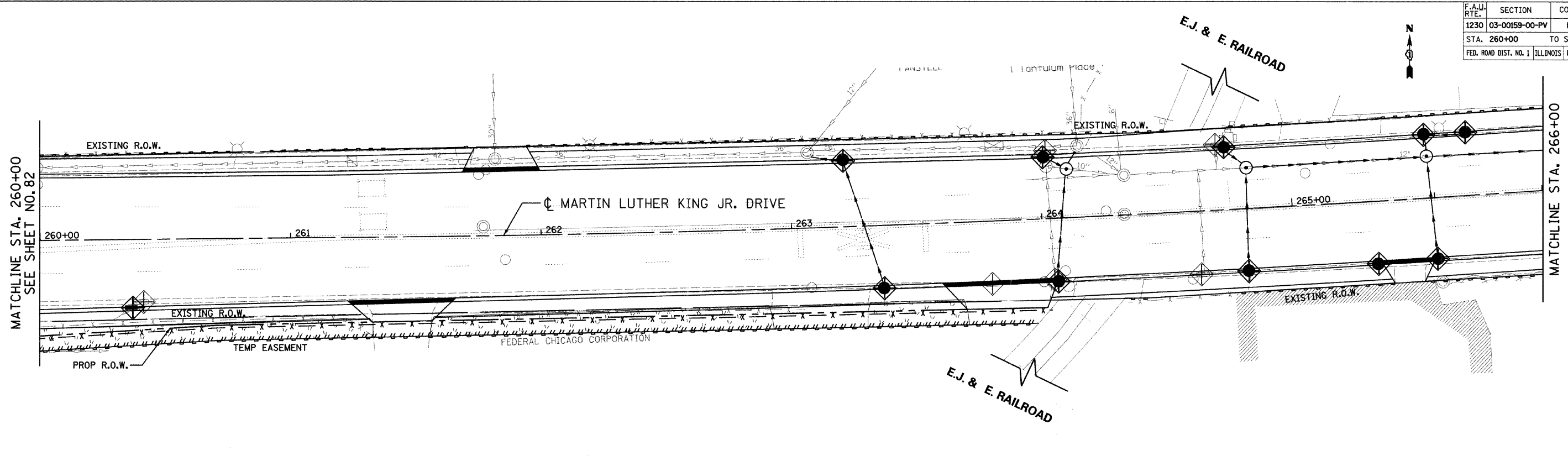
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EROSION CONTROL
AND LANDSCAPING
STA. 248+00 TO 260+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 7:35:14 AM
FILENAME: N:\PROJ\5161\Design\ERO\5161-ERO-05.dgn

F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	83
STA. 260+00		TO STA. 267+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				



LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

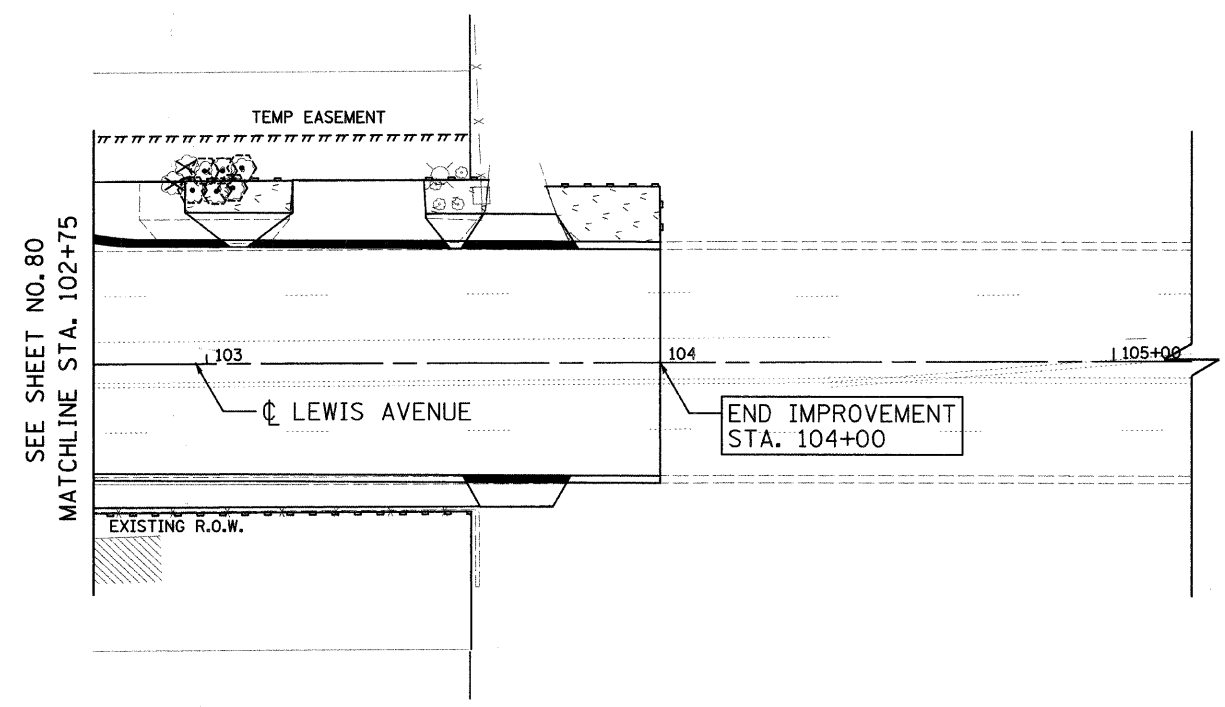
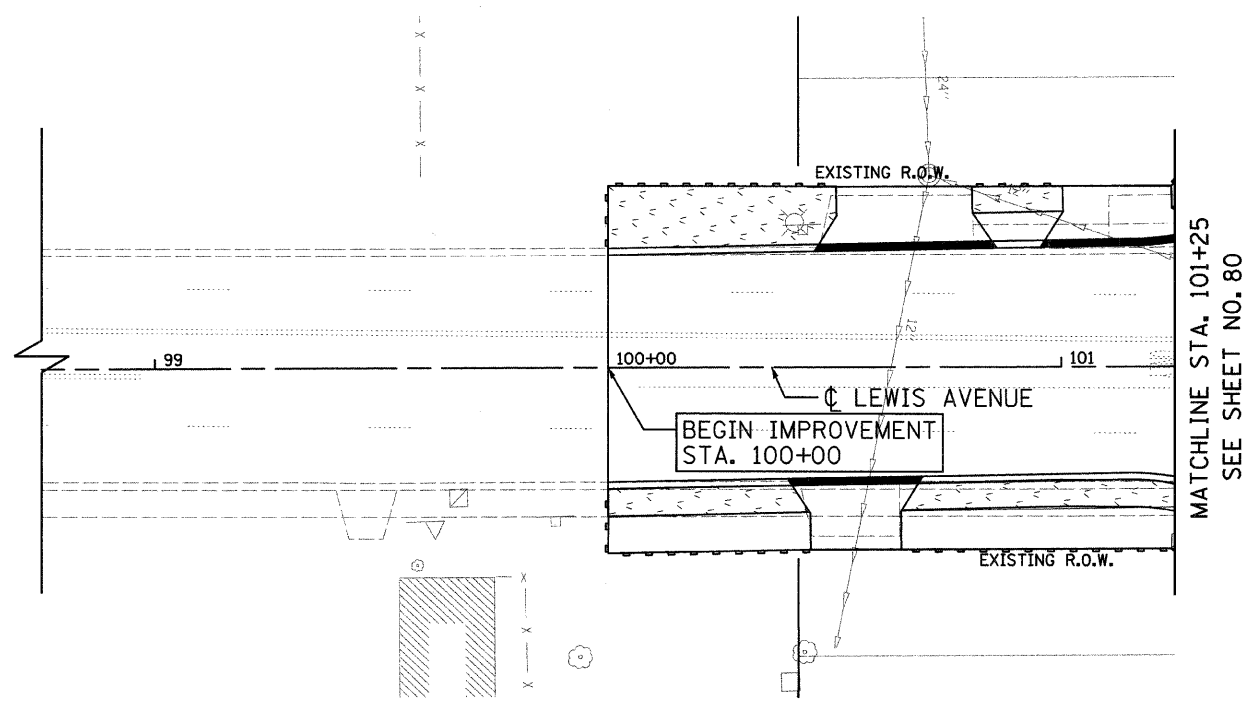
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
EROSION CONTROL
AND LANDSCAPING
STA. 260+00 TO 267+00

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 7:36:20 AM
FILENAME: N:\PROJ\05181\Design\Erosion\161-ERO-06.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	84
STA. 98+97 TO STA. 101+25 AND STA. 102+75 TO STA. 105+03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				




LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT

DATE: 7/1/2008
 TIME: 7:38:38 AM
 FILENAME: N:\PROJ\15161\Design\EROSION\101-ERO-07.dgn

REVISIONS	
NAME	DATE

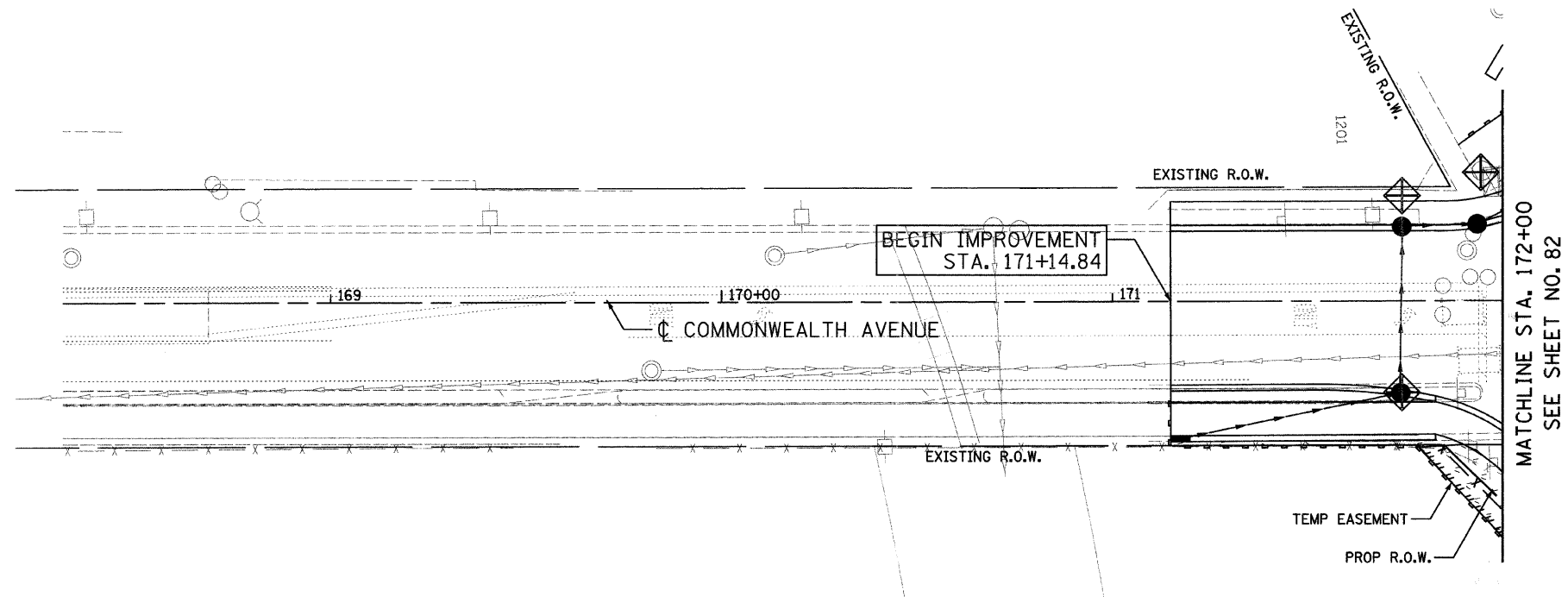
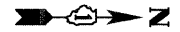

Glorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@glorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 LEWIS AVENUE
 EROSION CONTROL
 AND LANDSCAPING
 STA. 98+97 TO 105+03

SCALE: 1"=20'
 DATE: APRIL, 2008

DRAWN BY: KMS
 CHECKED BY: M.J.L.

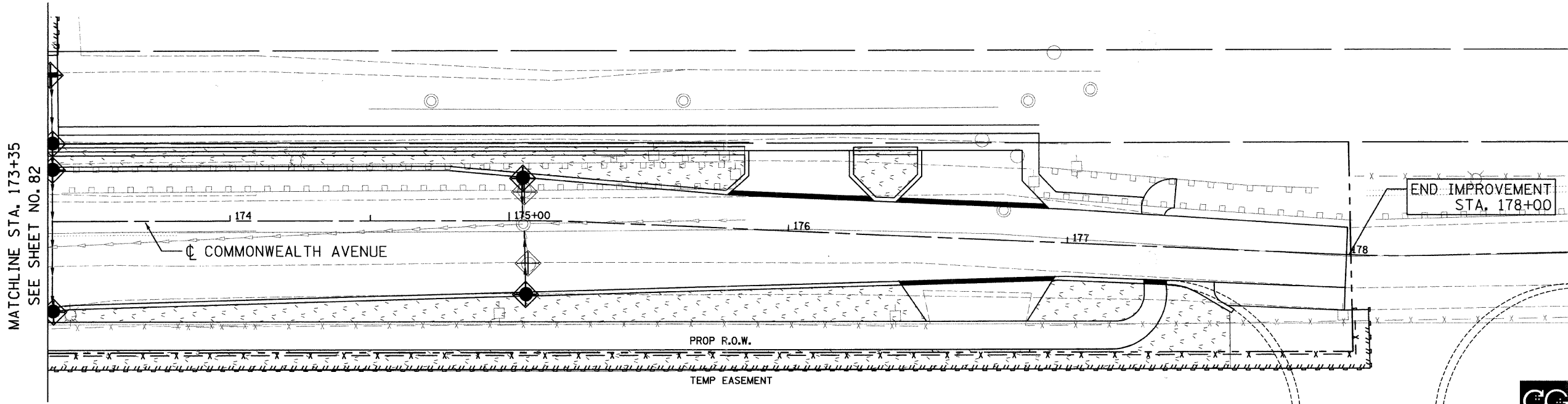
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	85
STA. 169+00 TO 172+00 AND 173+35 TO 178+00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				



MATCHLINE STA. 172+00
SEE SHEET NO. 82

LEGEND

	INLET FILTERS
	TREE TRUNK PROTECTION
	BUSH REMOVAL (CLEARING)
	PERIMETER EROSION BARRIER
	SODDING, SALT TOLERANT



MATCHLINE STA. 173+35
SEE SHEET NO. 82



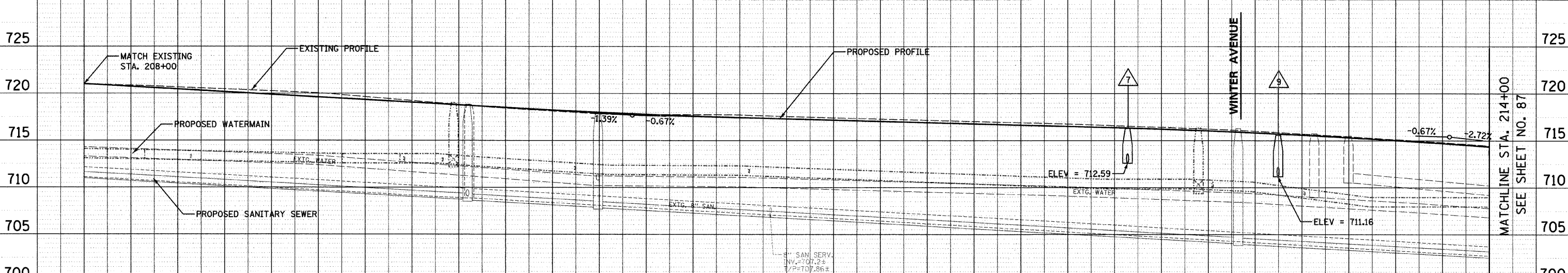
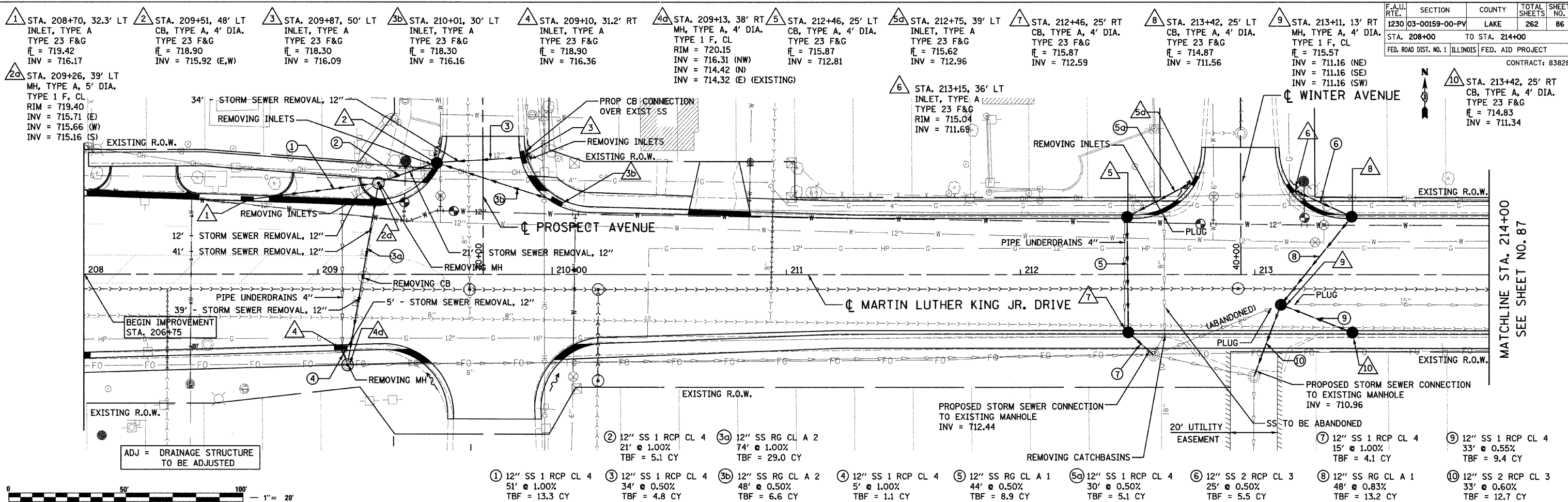
REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
COMMONWEALTH AVENUE
EROSION CONTROL
AND LANDSCAPING
STA. 169+00 TO 178+00

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 7:38:48 AM
FILENAME: N:\PROJ\151\Design\Erosion\151-ERO-08.dgn



DATE	BY

DATE	BY

DATE: 7/12/2008
 FILENAME: N:\PROJ\05161\Design\Drainage\05161-DRA-02.dgn

MATCHLINE STA. 214+00
 SEE SHEET NO. 87

MATCHLINE STA. 214+00
 SEE SHEET NO. 87

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@clorba.com

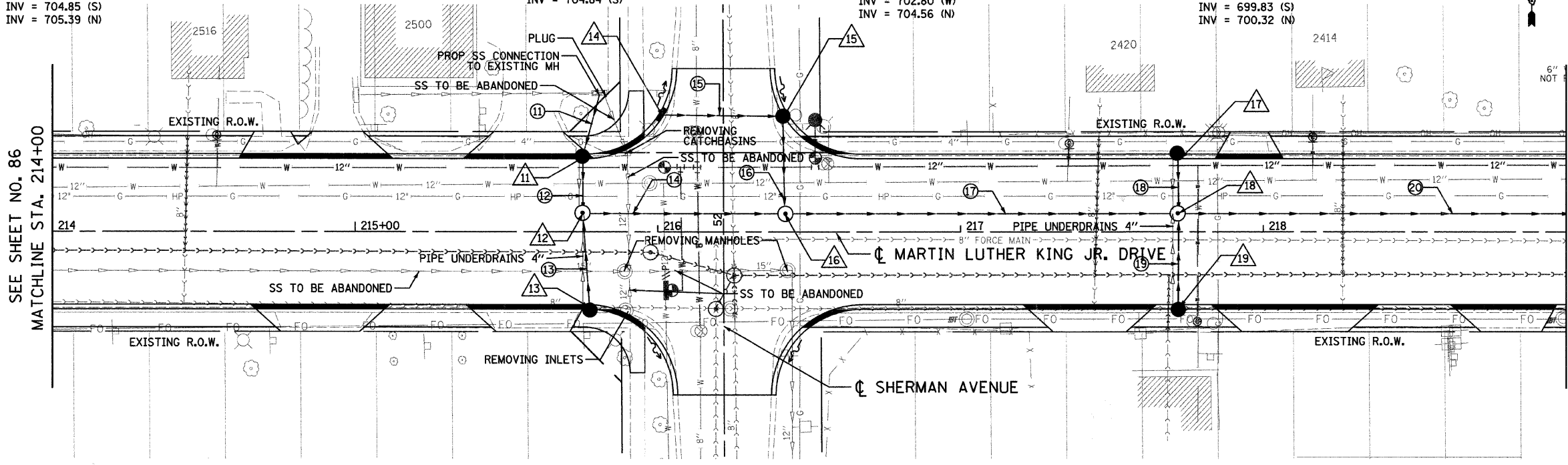
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 208+00 TO 214+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

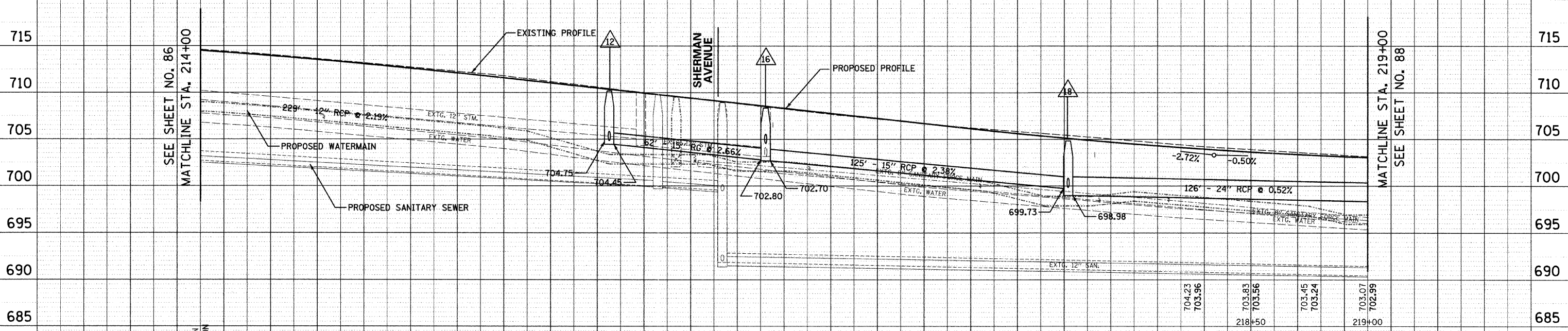
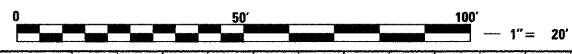
REVISIONS	
NAME	DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	87
STA. 214+00		TO STA. 219+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				

- 11 STA. 215+75, 25' LT CB, TYPE C, 2' DIA. TYPE 23 F&G
R_L = 709.75
INV = 705.65 (N)
INV = 705.55 (S)
- 12 STA. 215+75, 6' LT MH, TYPE A, 4' DIA. TYPE 1 F, CL
RIM = 710.17
INV = 704.75 (W)
INV = 704.45 (E)
INV = 704.85 (S)
INV = 705.39 (N)
- 13 STA. 215+77, 25' RT CB, TYPE C, 2' DIA. TYPE 23 F&G
R_L = 709.70
INV = 705.13
- 14 STA. 216+01, 39' LT INLET, TYPE A TYPE 23 F&G
R_L = 709.86
INV = 705.50
- 15 STA. 216+42, 39' LT CB, TYPE A, 4' DIA. TYPE 23 F&G
R_L = 708.64
INV = 705.13 (W)
INV = 704.84 (S)
- 16 STA. 216+42, 6' LT MH, TYPE A, 4' DIA. TYPE 1 F, CL
RIM = 708.35
INV = 702.70 (E)
INV = 702.80 (W)
INV = 704.56 (N)
- 17 STA. 217+72, 25' LT CB, TYPE C, 2' DIA. TYPE 23 F&G
R_L = 704.48
INV = 700.48
- 18 STA. 217+72, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL
RIM = 704.90
INV = 699.73 (W)
INV = 698.98 (E)
INV = 699.83 (S)
INV = 700.32 (N)
- 19 STA. 217+72, 25' RT CB, TYPE C, 2' DIA. TYPE 23 F&G
R_L = 704.48
INV = 700.11



- 11 12" SS 2 RCP CL 3 21' @ 1.00% TBF = 13.1 CY
- 12 12" SS RG CL A 2 16' @ 1.00% TBF = 9.9 CY
- 13 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 10.9 CY
- 14 15" SS RG CL A 2 62' @ 2.66% TBF = 45.5 CY
- 15 12" SS 1 RCP CL 4 37' @ 1.00% TBF = 10.4 CY
- 16 12" SS RG CL A 1 28' @ 1.00% TBF = 7.5 CY
- 17 15" SS 2 RCP CL 3 125' @ 2.38% TBF = 86.9 CY
- 18 12" SS RG CL A 2 16' @ 1.00% TBF = 5.9 CY
- 19 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 10.2 CY
- 20 24" SS 1 RCP CL 4 126' @ 0.52% TBF = 83.3 CY



STATION	EXISTING ELEVATION	PROPOSED ELEVATION
214+00	714.53	714.44
214+50	714.09	713.96
215+00	713.54	713.45
215+50	712.99	712.89
216+00	712.43	712.29
216+50	711.87	711.64
217+00	711.12	710.97
217+50	710.37	710.29
218+00	709.64	709.61
218+50	708.90	708.83
219+00	708.19	708.25
219+50	707.49	707.57
220+00	706.88	706.89
220+50	706.27	706.22
221+00	705.78	705.55
221+50	705.30	704.95
222+00	704.77	704.42
222+50	704.23	703.96
223+00	703.83	703.56
223+50	703.45	703.24
224+00	703.07	702.99

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

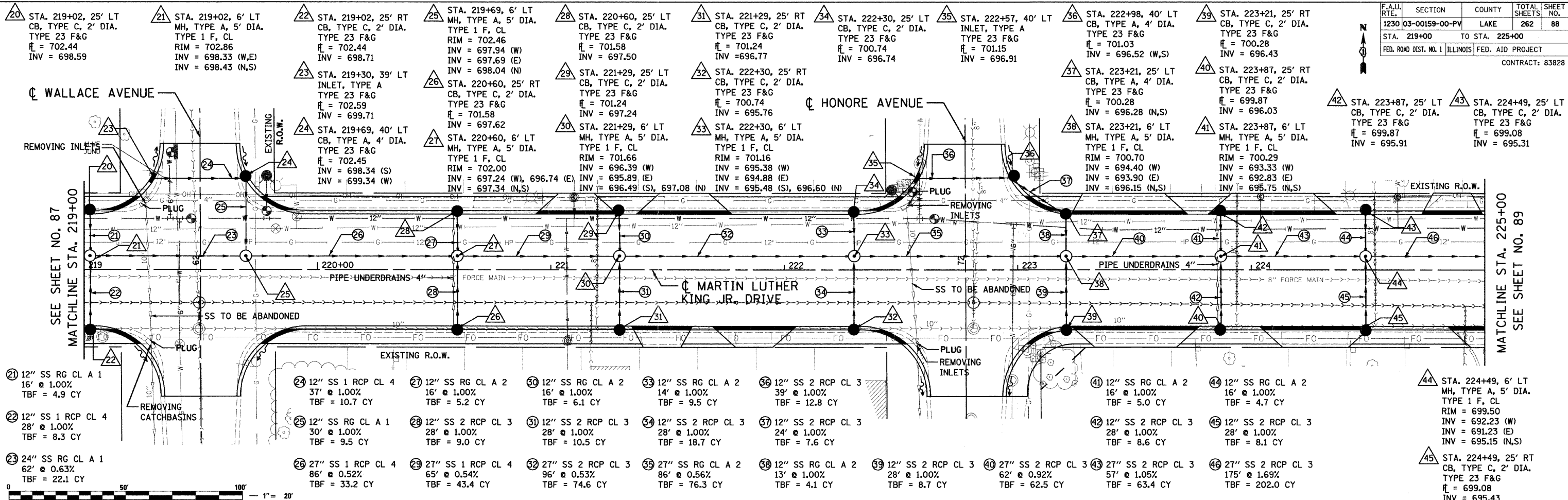
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED STORM SEWER
PLAN AND PROFILE
STA. 214+00 TO 219+00

SCALE: 1"=20'
DATE: APRIL, 2008

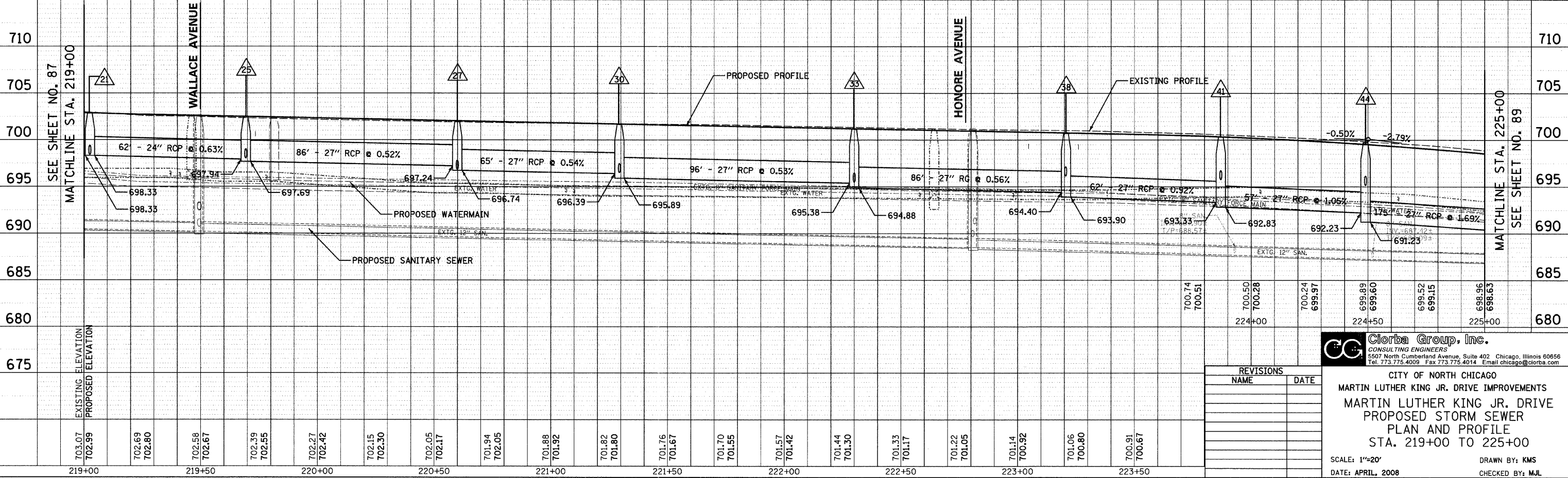
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
 FILENAME: N:\PROJ\0518\Design\Drawings\6161-DRN-03.dgn
 PLAN: SURVEYED, PLOTTED, CHECKED, ALIGNED, CADD FILE NAME
 PROFILE: SURVEYED, PLOTTED, CHECKED, GRADES CHECKED, STRUCTURE NOTATIONS OK'D

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	88
STA. 219+00		TO STA. 225+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT: 83828				



20	12" SS RG CL A 1 16' @ 1.00% TBF = 4.9 CY	24	12" SS 1 RCP CL 4 37' @ 1.00% TBF = 10.7 CY	28	12" SS RG CL A 2 16' @ 1.00% TBF = 5.2 CY	32	12" SS RG CL A 2 14' @ 1.00% TBF = 9.5 CY	36	12" SS 2 RCP CL 3 39' @ 1.00% TBF = 12.8 CY	40	12" SS RG CL A 2 16' @ 1.00% TBF = 5.0 CY	44	12" SS RG CL A 2 16' @ 1.00% TBF = 4.7 CY
21	12" SS 1 RCP CL 4 28' @ 1.00% TBF = 8.3 CY	25	12" SS RG CL A 1 30' @ 1.00% TBF = 9.5 CY	29	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.0 CY	33	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 10.5 CY	37	12" SS 2 RCP CL 3 24' @ 1.00% TBF = 7.6 CY	41	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 8.6 CY	45	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 8.1 CY
22	24" SS RG CL A 1 62' @ 0.63% TBF = 22.1 CY	26	27" SS 1 RCP CL 4 86' @ 0.52% TBF = 33.2 CY	30	27" SS 1 RCP CL 4 65' @ 0.54% TBF = 43.4 CY	34	27" SS 2 RCP CL 3 96' @ 0.53% TBF = 74.6 CY	38	12" SS RG CL A 2 86' @ 1.00% TBF = 4.1 CY	42	27" SS 2 RCP CL 3 62' @ 0.92% TBF = 62.5 CY	46	27" SS 2 RCP CL 3 175' @ 1.69% TBF = 202.0 CY



DATE	BY
7/12/08	MJM
FILE NAME	N:\PROJECTS\161\Design\Drawings\161-DRN-C4.dgn

DATE	BY
7/12/08	MJM
FILE NAME	N:\PROJECTS\161\Design\Drawings\161-DRN-C4.dgn

REVISIONS	
NAME	DATE

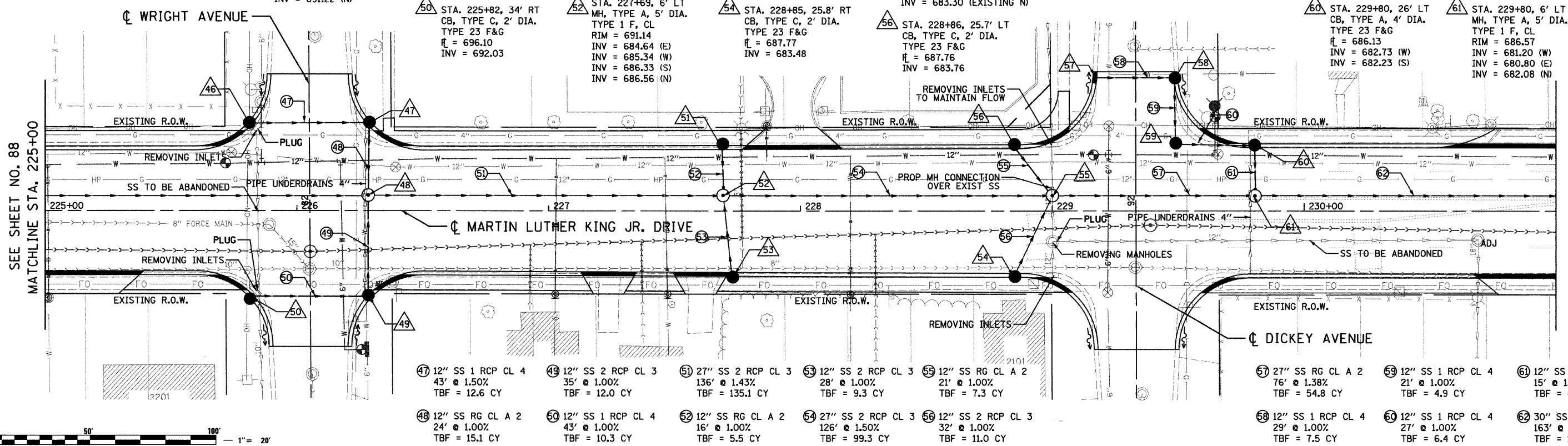
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED STORM SEWER
PLAN AND PROFILE
STA. 219+00 TO 225+00

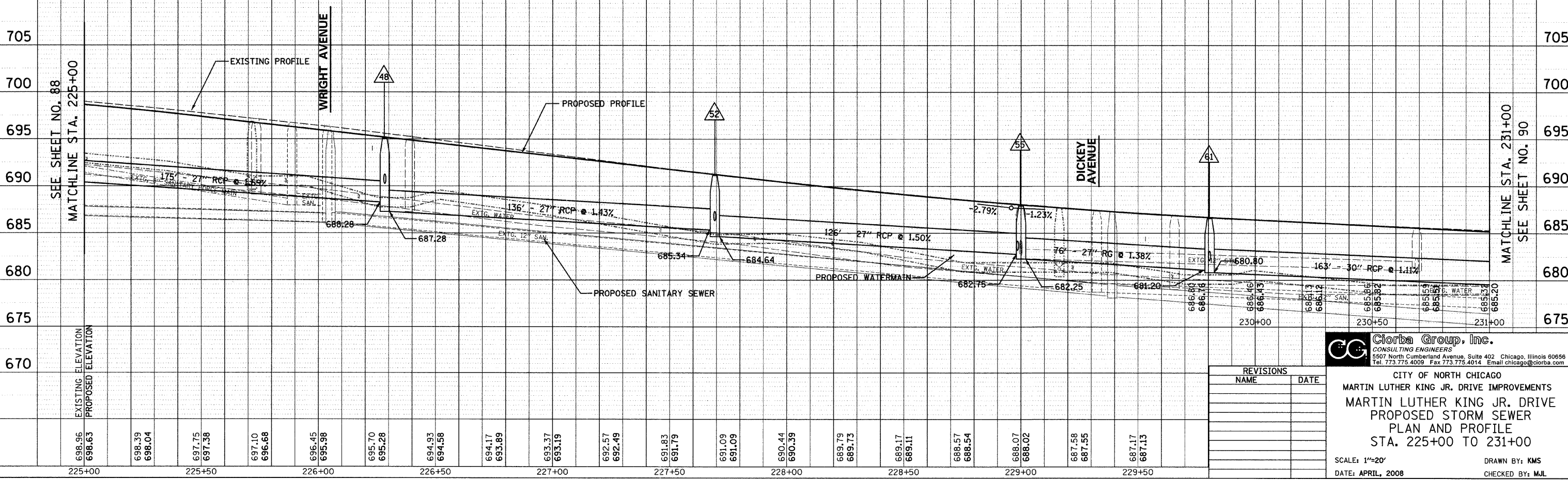
SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	89
STA. 225+00 TO STA. 231+00				
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
CONTRACT: 83828				

- 46 STA. 225+81, 34' LT CB, TYPE C, 2' DIA. TYPE 23 F&G
RIM = 696.45
INV = 690.97
- 47 STA. 226+29, 34' LT CB, TYPE A, 4' DIA. TYPE 23 F&G
RIM = 695.50
INV = 691.80 (W)
INV = 690.50 (S)
- 48 STA. 226+29, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL
RIM = 695.08
INV = 688.28 (W)
INV = 687.28 (E)
INV = 690.08 (S)
INV = 691.22 (N)
- 49 STA. 226+29, 34' RT CB, TYPE A, 2' DIA. TYPE 23 F&G
RIM = 694.82
INV = 691.60 (W)
INV = 690.60 (N)
- 50 STA. 225+82, 34' RT CB, TYPE C, 2' DIA. TYPE 23 F&G
RIM = 696.10
INV = 692.03
- 51 STA. 227+69, 25.2' LT CB, TYPE C, 2' DIA. TYPE 23 F&G
RIM = 690.72
INV = 686.72
- 52 STA. 227+69, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL
RIM = 691.14
INV = 684.64 (E)
INV = 685.34 (W)
INV = 686.33 (S)
INV = 686.56 (N)
- 53 STA. 227+73, 25.4' RT CB, TYPE C, 2' DIA. TYPE 23 F&G
RIM = 690.60
INV = 686.61
- 54 STA. 228+85, 25.8' RT CB, TYPE C, 2' DIA. TYPE 23 F&G
RIM = 687.77
INV = 683.48
- 55 STA. 229+00, 6' LT MH, TYPE A, 6' DIA. TYPE 1 F, CL
RIM = 687.90
INV = 682.75 (W)
INV = 682.25 (E)
INV = 683.17 (SW), 683.55 (NW)
INV = 683.30 (EXISTING N)
- 56 STA. 228+86, 25.7' LT CB, TYPE C, 2' DIA. TYPE 23 F&G
RIM = 687.76
INV = 683.76
- 57 STA. 229+17, 53' LT INLET, TYPE A TYPE 23 F&G
RIM = 687.55
INV = 684.00
- 58 STA. 229+49, 52' LT CB, TYPE A, 4' DIA. TYPE 23 F&G
RIM = 687.50
INV = 683.71 (W,S)
- 59 STA. 229+49, 26' LT CB, TYPE A, 4' DIA. TYPE 1 F, CL
RIM = 686.91
INV = 683.50 (N)
INV = 683.00 (E)
- 60 STA. 229+80, 26' LT CB, TYPE A, 4' DIA. TYPE 23 F&G
RIM = 686.13
INV = 682.73 (W)
INV = 682.23 (S)
- 61 STA. 229+80, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL
RIM = 686.57
INV = 681.20 (W)
INV = 680.80 (E)
INV = 682.08 (N)



47 12" SS 1 RCP CL 4 43' @ 1.50% TBF = 12.6 CY	49 12" SS 2 RCP CL 3 35' @ 1.00% TBF = 12.0 CY	51 27" SS 2 RCP CL 3 136' @ 1.43% TBF = 135.1 CY	53 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.3 CY	55 12" SS RG CL A 2 21' @ 1.00% TBF = 7.3 CY	57 27" SS RG CL A 2 76' @ 1.38% TBF = 54.8 CY	59 12" SS 1 RCP CL 4 21' @ 1.00% TBF = 4.9 CY	61 12" SS RG CL A 2 15' @ 1.00% TBF = 4.6 CY
48 12" SS RG CL A 2 24' @ 1.00% TBF = 15.1 CY	50 12" SS 1 RCP CL 4 43' @ 1.00% TBF = 10.3 CY	52 12" SS RG CL A 2 16' @ 1.00% TBF = 5.5 CY	54 27" SS 2 RCP CL 3 126' @ 1.50% TBF = 99.3 CY	56 12" SS 2 RCP CL 3 32' @ 1.00% TBF = 11.0 CY	58 12" SS 1 RCP CL 4 29' @ 1.00% TBF = 7.5 CY	60 12" SS 1 RCP CL 4 27' @ 1.00% TBF = 6.4 CY	62 30" SS 1 RCP CL 3 163' @ 1.11% TBF = 120.1 CY



PLAN	DATE	BY

PROFILE	DATE	BY

DATE: 7/12/08
 DRAWN BY: JZM
 FILENAME: R:\PROJ\516\Design\Drawings\516-DRAW-05.dgn

REVISIONS	
NAME	DATE

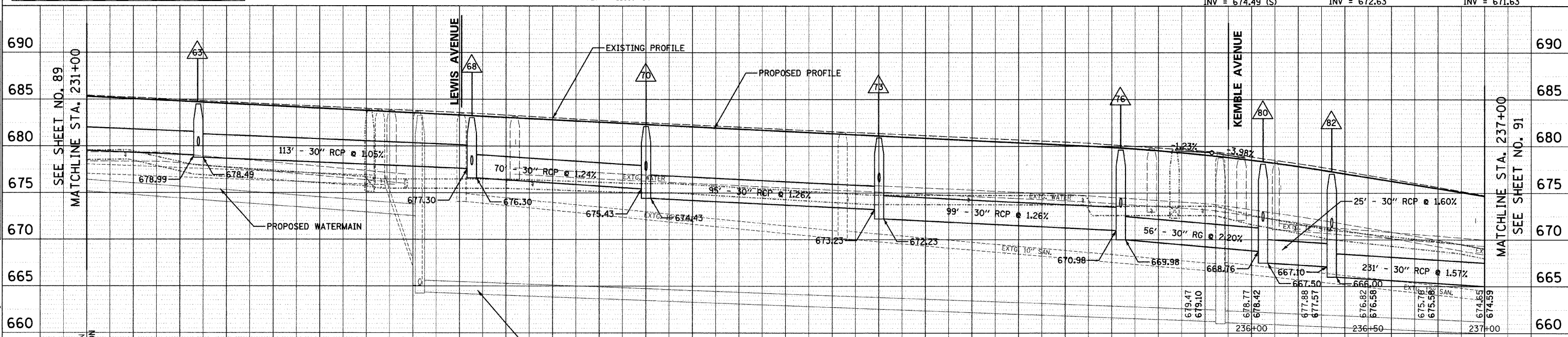
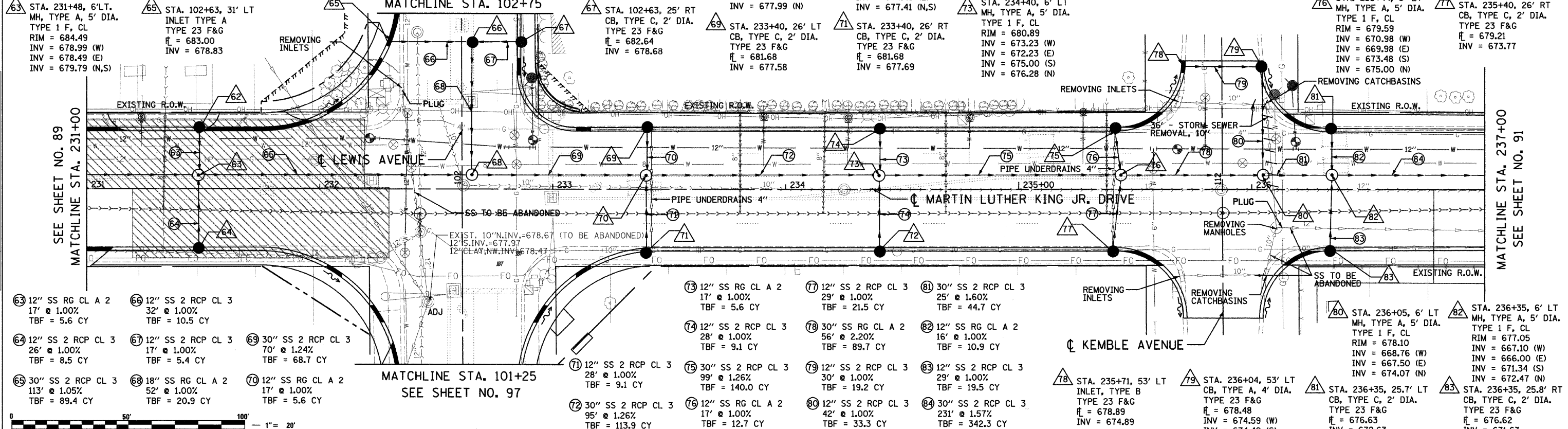
Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax. 773.775.4014 Email. chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 225+00 TO 231+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

STA. 231+48, 26' LT CB, TYPE C, 2' DIA. TYPE 23 F&G R = 684.05 INV = 679.96	STA. 231+48, 26' RT CB, TYPE C, 2' DIA. TYPE 23 F&G R = 684.05 INV = 680.05	STA. 102+63, 4' RT CB, TYPE A, 4' DIA. TYPE 1 F, CL RIM = 683.10 INV = 678.51 (E,W,S)	STA. 232+65, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL RIM = 683.05 INV = 677.30 (W) INV = 676.30 (E) INV = 677.99 (N)	STA. 233+40, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL RIM = 682.12 INV = 675.43 (W) INV = 674.43 (E) INV = 677.41 (N,S)	STA. 234+40, 26' RT CB, TYPE C, 2' DIA. TYPE 23 F&G R = 680.45 INV = 675.28	STA. 234+40, 26' LT CB, TYPE C, 2' DIA. TYPE 23 F&G R = 680.45 INV = 676.45	STA. 235+42, 26' LT CB, TYPE C, 2' DIA. TYPE 23 F&G R = 679.18 INV = 675.18	STA. 235+44, 6' LT MH, TYPE A, 5' DIA. TYPE 1 F, CL RIM = 679.59 INV = 670.98 (W) INV = 669.98 (E) INV = 673.48 (S) INV = 675.00 (N)	STA. 235+40, 26' RT CB, TYPE C, 2' DIA. TYPE 23 F&G R = 679.21 INV = 673.77
---	---	---	---	---	---	---	---	---	---

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	90
STA. 231+00		TO STA. 237+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT: 83828				



685.32	685.20	685.05	684.89	684.74	684.58	684.44	684.28	684.16	683.97	683.89	683.66	683.52	683.35	683.31	683.04	682.96	682.74	682.61	682.43	682.32	682.12	682.03	681.81	681.72	681.50	681.42	681.20	681.17	680.89	680.88	680.58	680.59	680.27	680.30	679.96	679.89	679.62		
231+00		231+50		232+00		232+50		233+00		233+50		234+00		234+50		235+00		235+50		236+00		236+50		237+00															

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED STORM SEWER
PLAN AND PROFILE
STA. 231+00 TO 237+00

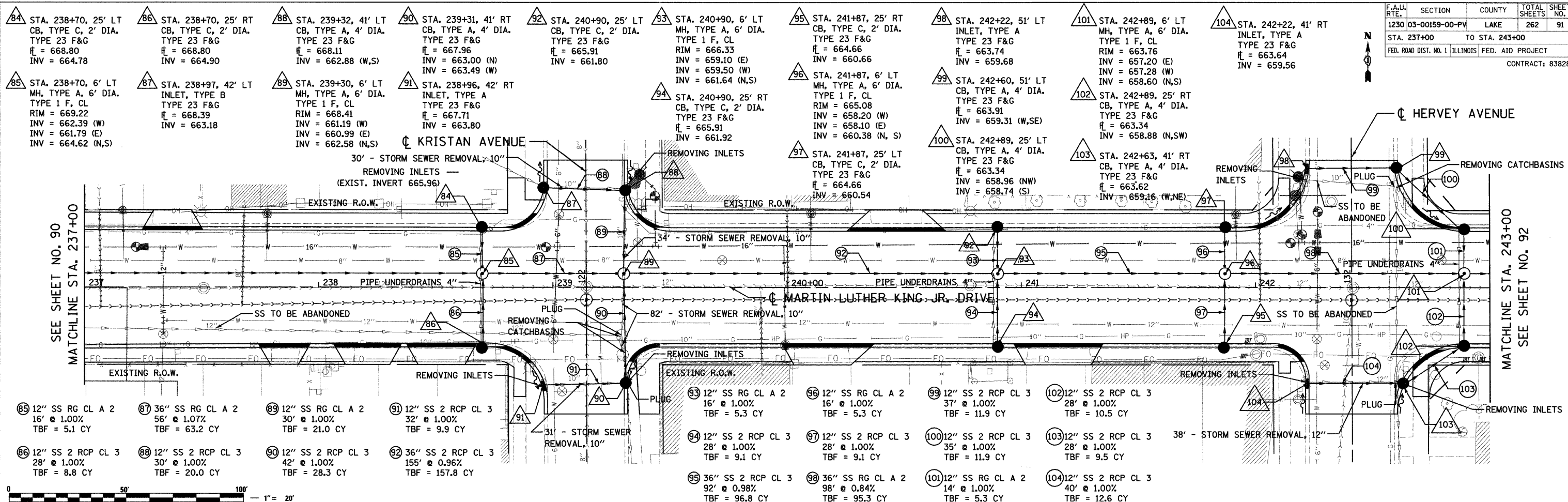
SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/1/2008
FILENAME: N:\PROJ\05161\Design\Drainage\05161-CRN-08.dgn

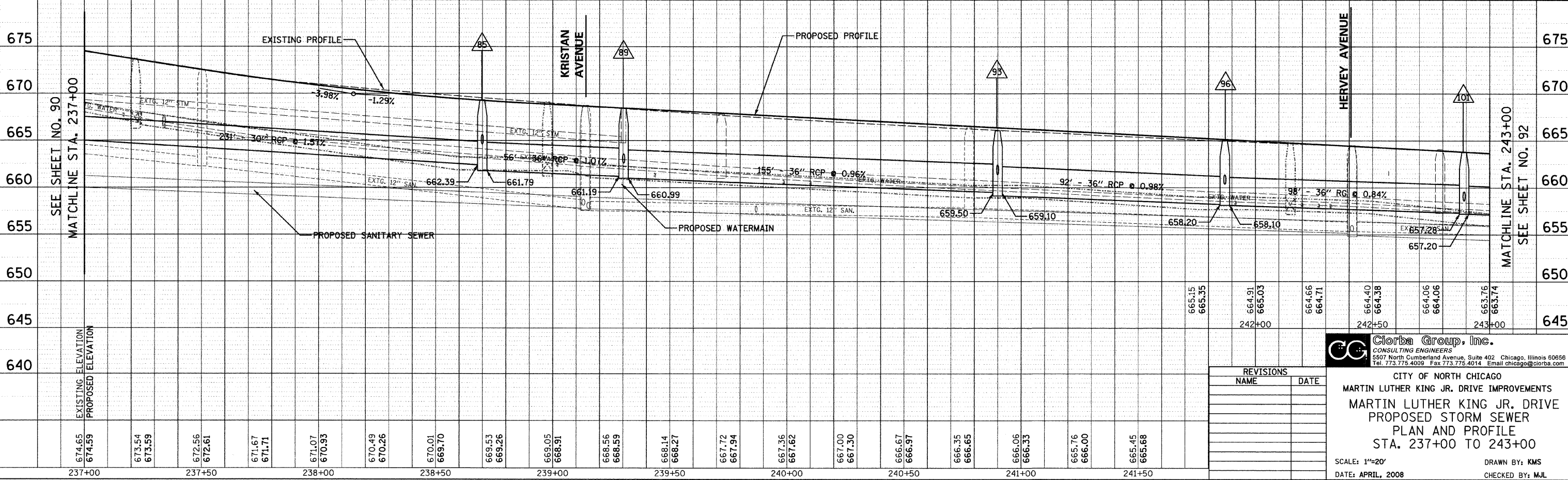
PLAN: []
PROFILE: []

BY: []
CHECKED: []
DATE: []

F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230 03-00159-00-PV	LAKE	262	91	
STA. 237+00 TO STA. 243+00				
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
CONTRACT: 83828				



85 12" SS RG CL A 2 16' @ 1.00% TBF = 5.1 CY	87 36" SS RG CL A 2 56' @ 1.07% TBF = 63.2 CY	89 12" SS RG CL A 2 30' @ 1.00% TBF = 21.0 CY	91 12" SS 2 RCP CL 3 32' @ 1.00% TBF = 9.9 CY	93 12" SS RG CL A 2 16' @ 1.00% TBF = 5.3 CY	95 12" SS 2 RCP CL 3 37' @ 1.00% TBF = 11.9 CY	97 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.1 CY	99 12" SS 2 RCP CL 3 35' @ 1.00% TBF = 11.9 CY	101 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.5 CY	103 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.5 CY
86 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 8.8 CY	88 12" SS 2 RCP CL 3 30' @ 1.00% TBF = 20.0 CY	90 12" SS 2 RCP CL 3 42' @ 1.00% TBF = 28.3 CY	92 36" SS 2 RCP CL 3 155' @ 0.96% TBF = 157.8 CY	94 12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.1 CY	96 12" SS 2 RCP CL 3 35' @ 1.00% TBF = 11.9 CY	98 36" SS RG CL A 2 92' @ 0.98% TBF = 96.8 CY	100 12" SS 2 RCP CL 3 14' @ 1.00% TBF = 5.3 CY	102 12" SS 2 RCP CL 3 40' @ 1.00% TBF = 12.6 CY	104 12" SS 2 RCP CL 3 38' - STORM SEWER REMOVAL, 12"



DATE: 7/1/2008
 FILENAME: N:\PROJ\05161\Design\Drawings\61-CRN\07.dgn

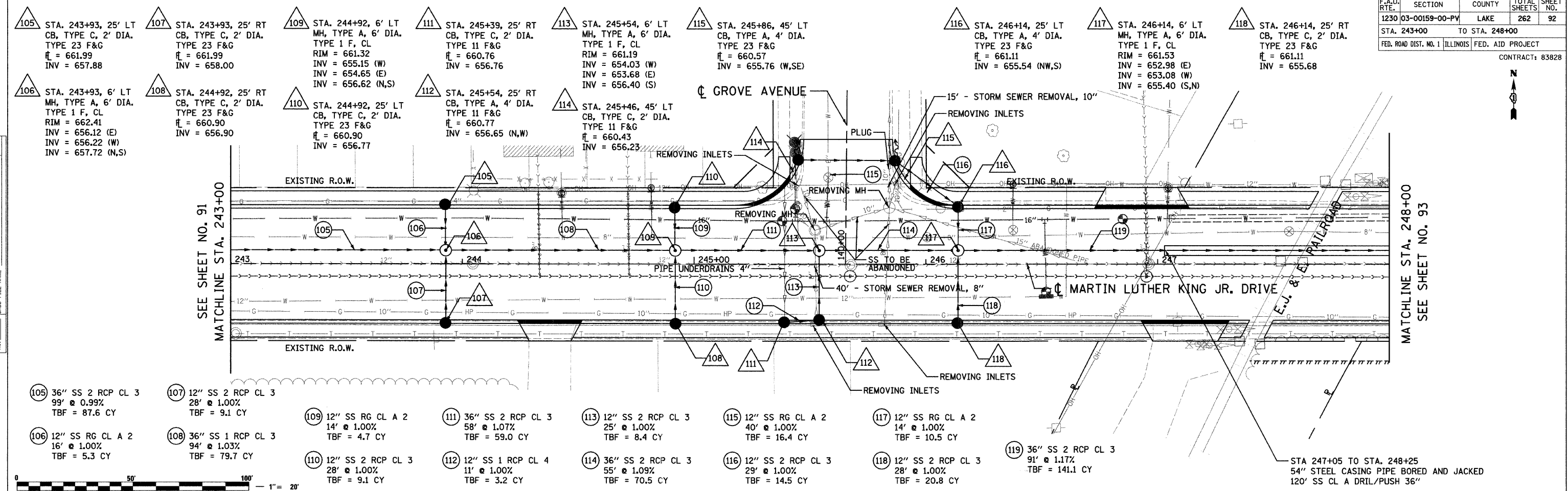
PLAN	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		

Glora Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel: 773.775.4009 Fax: 773.775.4014 Email: chicago@glora.com

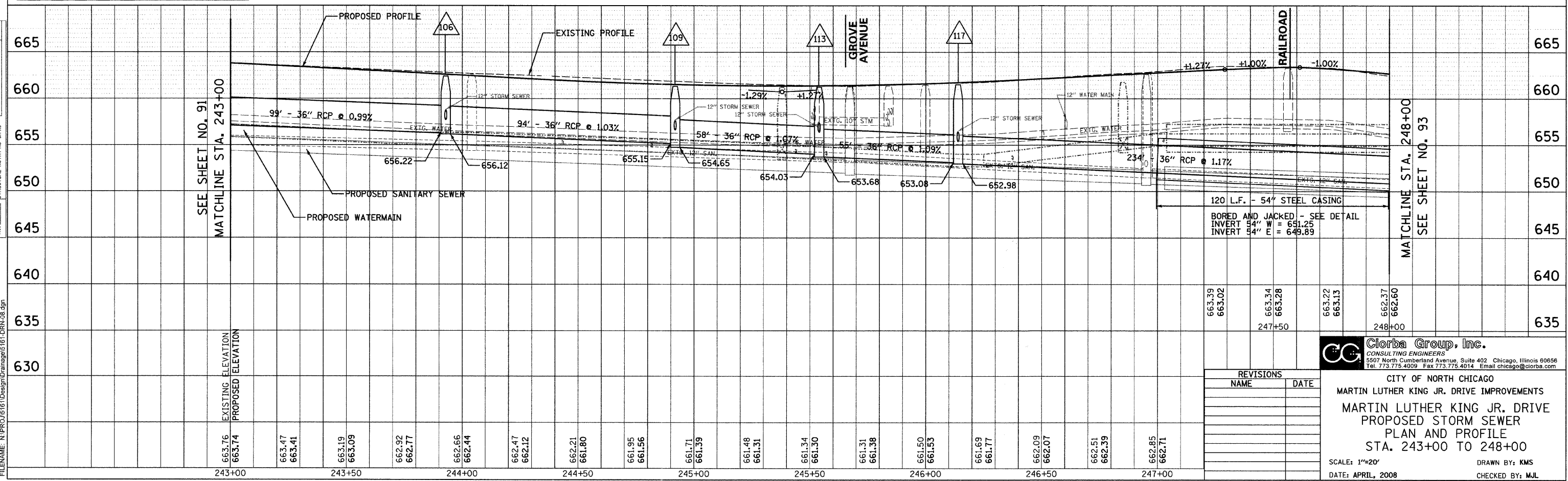
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 237+00 TO 243+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	92
STA. 243+00		TO STA. 248+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT: 83828		



105	36" SS 2 RCP CL 3 99' @ 0.99% TBF = 87.6 CY	107	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.1 CY	109	12" SS RG CL A 2 14' @ 1.00% TBF = 4.7 CY	111	36" SS 2 RCP CL 3 58' @ 1.07% TBF = 59.0 CY	113	12" SS 2 RCP CL 3 25' @ 1.00% TBF = 8.4 CY	115	12" SS RG CL A 2 40' @ 1.00% TBF = 16.4 CY	117	12" SS RG CL A 2 14' @ 1.00% TBF = 10.5 CY
106	12" SS RG CL A 2 16' @ 1.00% TBF = 5.3 CY	108	36" SS 1 RCP CL 3 94' @ 1.03% TBF = 79.7 CY	110	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 9.1 CY	112	12" SS 1 RCP CL 4 11' @ 1.00% TBF = 3.2 CY	114	36" SS 2 RCP CL 3 55' @ 1.09% TBF = 70.5 CY	116	12" SS 2 RCP CL 3 29' @ 1.00% TBF = 14.5 CY	118	12" SS 2 RCP CL 3 28' @ 1.00% TBF = 20.8 CY
119 36" SS 2 RCP CL 3 91' @ 1.17% TBF = 141.1 CY													



DATE: 7/1/2008
 FILENAME: N:\PROJ\0516\Design\Drawings\61-CRN-08.dgn

REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 243+00 TO 248+00

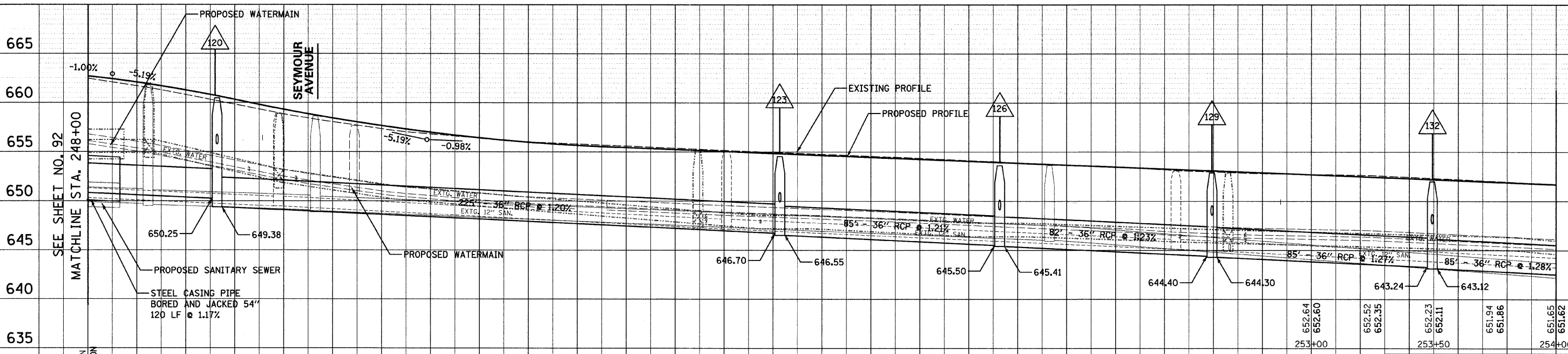
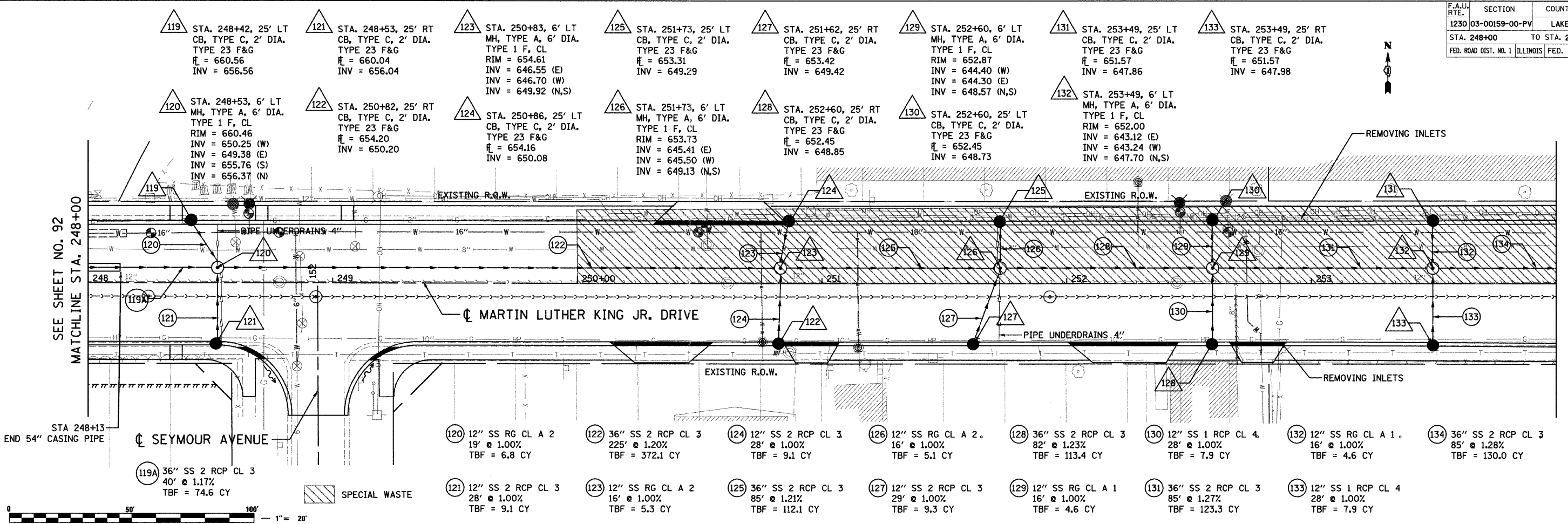
SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	93
STA. 248+00		TO STA. 254+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
				CONTRACT: 83828

PLAN	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	

DATE: 7/1/2008
 DRAWN BY: JMS
 FILENAME: N:\PROJECTS\161\Design\Drawings\161-DRN-09.dgn



STATION	EXISTING ELEVATION	PROPOSED ELEVATION	PROPOSED WATERMAIN	PROPOSED SANITARY SEWER	STEEL CASING PIPE BORED AND JACKED 54" 120 LF @ 1.17%
248+00	662.37	662.60			
248+50	661.43	661.80			
249+00	659.01	659.47			
249+50	656.52	656.60			
250+00	655.72	655.57			
250+50	655.46	655.30			
251+00	654.92	654.81			
251+50	654.16	654.07			
252+00	653.88	653.83			
252+50	653.34	653.34			
253+00	652.98	653.09	652.64	652.60	652.52
253+50	652.75	652.85	652.23	652.11	651.94
254+00	651.65	651.62	651.94	651.86	651.65

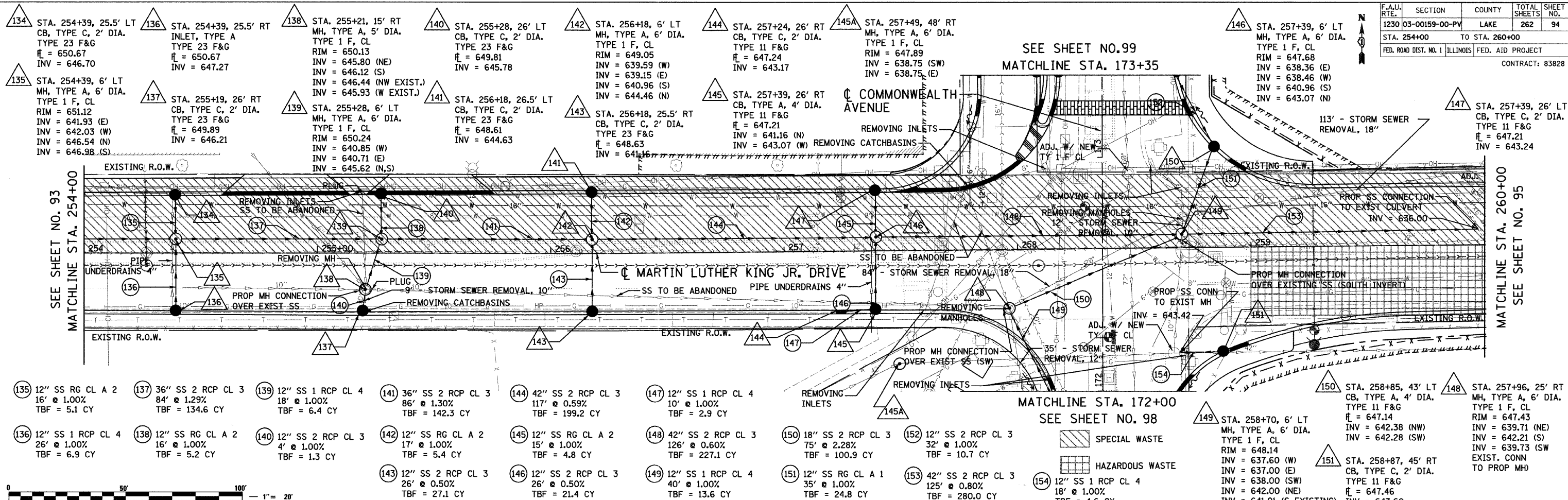
REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4059 Fax. 773.775.4014 Email. chicago@clorba.com

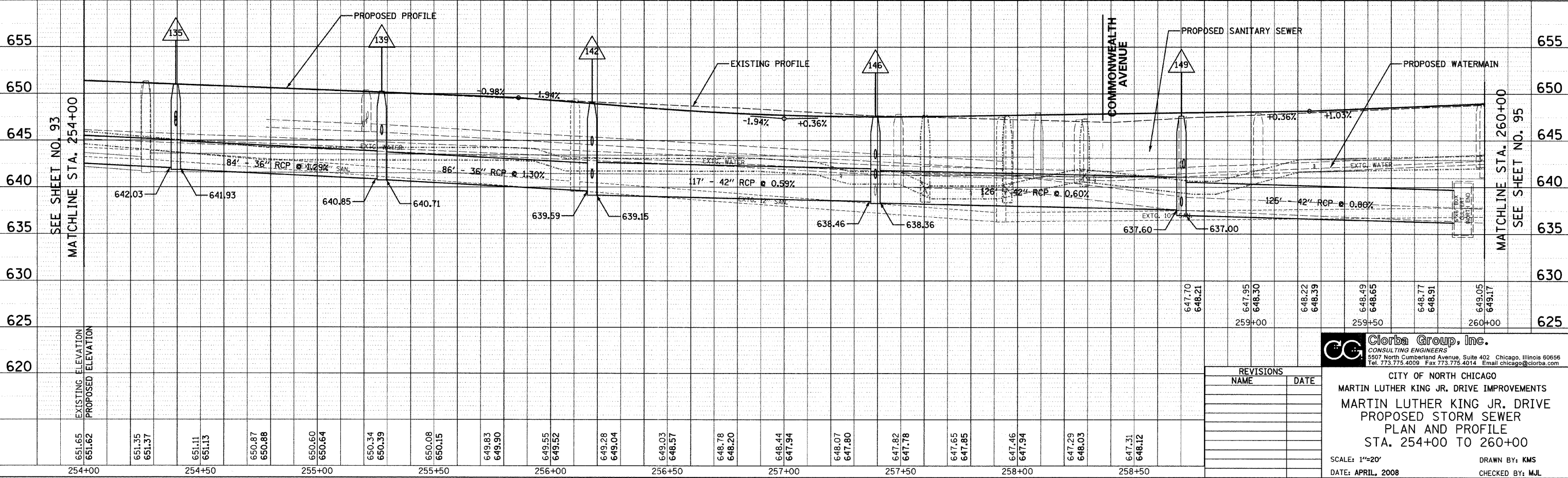
CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 248+00 TO 254+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	94
STA. 254+00		TO STA. 260+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				



135 12" SS RG CL A 2 16' @ 1.00% TBF = 5.1 CY	137 36" SS 2 RCP CL 3 84' @ 1.29% TBF = 134.6 CY	139 12" SS 1 RCP CL 4 18' @ 1.00% TBF = 6.4 CY	141 36" SS 2 RCP CL 3 86' @ 1.30% TBF = 142.3 CY	144 42" SS 2 RCP CL 3 117' @ 0.59% TBF = 199.2 CY	147 12" SS 1 RCP CL 4 10' @ 1.00% TBF = 2.9 CY	149 12" SS 1 RCP CL 4 40' @ 1.00% TBF = 13.6 CY	151 12" SS RG CL A 1 35' @ 1.00% TBF = 24.8 CY	153 42" SS 2 RCP CL 3 125' @ 0.80% TBF = 280.0 CY	155 42" SS 2 RCP CL 3 125' @ 0.80% TBF = 280.0 CY	157 42" SS 2 RCP CL 3 125' @ 0.80% TBF = 280.0 CY	159 42" SS 2 RCP CL 3 125' @ 0.80% TBF = 280.0 CY
136 12" SS 1 RCP CL 4 26' @ 1.00% TBF = 6.9 CY	138 12" SS RG CL A 2 16' @ 1.00% TBF = 5.2 CY	140 12" SS 2 RCP CL 3 4' @ 1.00% TBF = 1.3 CY	142 12" SS RG CL A 2 17' @ 1.00% TBF = 5.4 CY	145 12" SS RG CL A 2 15' @ 1.00% TBF = 4.8 CY	148 42" SS 2 RCP CL 3 126' @ 0.60% TBF = 227.1 CY	150 18" SS 2 RCP CL 3 75' @ 2.28% TBF = 100.9 CY	152 12" SS 2 RCP CL 3 32' @ 1.00% TBF = 10.7 CY	154 12" SS 1 RCP CL 4 18' @ 1.00% TBF = 4.6 CY	156 12" SS 1 RCP CL 4 18' @ 1.00% TBF = 4.6 CY	158 12" SS 1 RCP CL 4 18' @ 1.00% TBF = 4.6 CY	160 12" SS 1 RCP CL 4 18' @ 1.00% TBF = 4.6 CY



DATE	BY
PLAN	DATE
SURVEYED	CHECKED
NOTED	DATE
NO.	

DATE	BY
PROFILE	DATE
SURVEYED	CHECKED
NOTED	DATE
NO.	

REVISIONS	
NAME	DATE

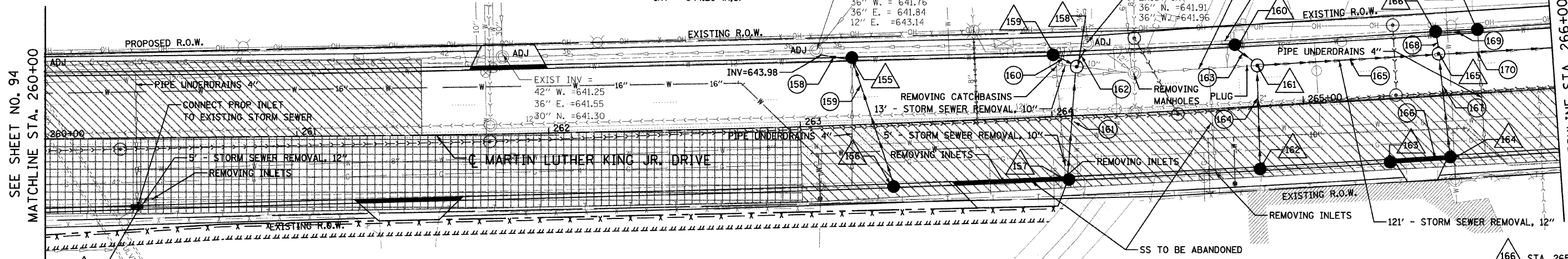
Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 254+00 TO 260+00

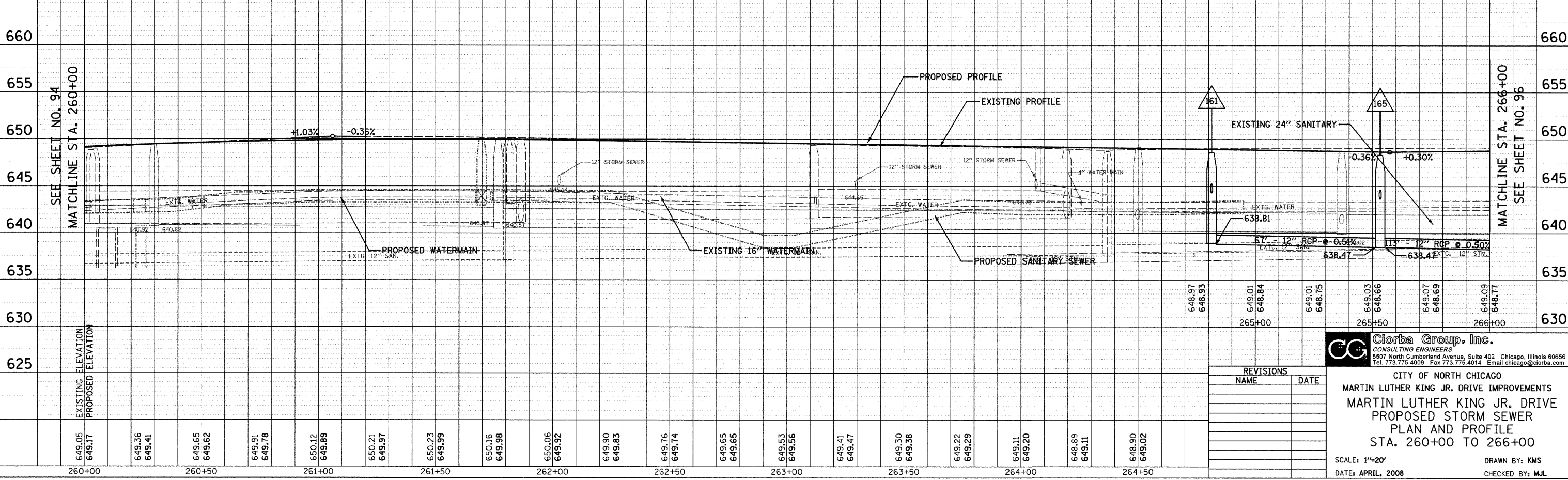
SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: KMS
 CHECKED BY: MJL

DATE: 7/17/2008
 FILENAME: N:\PROJ\1516\Design\Drainage\15161.DRW:10.dgn

- 152 STA. 260+36, 27.8' RT INLET, TYPE A TYPE 23 F&G R_L = 648.91 INV = 644.97
- 153 NOT USED
- 154 NOT USED
- 155 STA. 263+22, 26.4' LT CB, TYPE A, 4' DIA. TYPE 23 F&G R_L = 648.91 INV = 644.39 (S) INV = 644.09 (W)
- 156 NOT USED
- 157 STA. 264+05, 25' RT CB, TYPE C, 2' DIA. TYPE 23 F&G R_L = 648.90 INV = 644.89
- 158 STA. 264+11, 20' LT MH, TYPE A, 4' DIA. TYPE 1 F, CL RIM = 648.76 INV = 644.60 (NW, S) INV = 644.30 (NE)
- 159 STA. 264+02, 25.1' LT CB, TYPE C, 2' DIA. TYPE 23 F&G R_L = 648.65 INV = 644.66
- 160 STA. 264+75, 25' LT CB, TYPE C, 2' DIA. TYPE 23 F&G R_L = 648.39 INV = 644.37
- 161 STA. 264+82, 16' LT MH, TYPE A, 4' DIA. TYPE 1 F, CL RIM = 648.59 INV = 638.81 (E) INV = 644.28 (N,S)
- 162 STA. 264+82, 25' RT CB, TYPE C, 2' DIA. TYPE 23 F&G R_L = 648.37 INV = 644.66
- 163 STA. 265+34, 25' RT CB, TYPE C, 2' DIA. TYPE 11 F&G R_L = 648.18 INV = 644.18
- 164 STA. 265+54, 25' RT CB, TYPE A, 4' DIA. TYPE 11 F&G R_L = 648.11 INV = 644.00 (N,W)
- 165 STA. 265+54, 17' LT MH, TYPE A, 4' DIA. TYPE 1 F, CL RIM = 648.31 INV = 638.47 (E,W) INV = 643.62 (N,S)



- 155 NOT USED
- 156 NOT USED
- 157 NOT USED
- 158 12" SS 2 RCP CL 3 11' @ 1.00% TBF = 7.2 CY
- 159 12" SS RG CL A 2 50' @ 1.00% TBF = 15.9 CY
- 160 12" SS 1 RCP CL 4 6' @ 1.00% TBF = 1.8 CY
- 161 12" SS RG CL A 1 41' @ 1.00% TBF = 11.4 CY
- 162 12" SS 2 RCP CL 3 5' @ 1.00% TBF = 1.8 CY
- 163 12" SS 1 RCP CL 4 9' @ 1.00% TBF = 2.7 CY
- 164 12" SS RG CL A 1 38' @ 1.00% TBF = 11.0 CY
- 165 12" SS 2 RCP CL 3 67' @ 0.51% TBF = 93.0 CY
- 166 12" SS RG CL A 1 19' @ 1.00% TBF = 5.6 CY
- 167 12" SS RG CL A 2 38' @ 1.00% TBF = 12.6 CY
- 168 12" SS 2 RCP CL 3 5' @ 1.00% TBF = 1.7 CY
- 169 12" SS 2 RCP CL 3 11' @ 1.00% TBF = 3.6 CY
- 170 12" SS 2 RCP CL 3 113' @ 0.50% TBF = 165.9 CY
- 166 STA. 265+54, 25' LT CB, TYPE A, 4' DIA. TYPE 11 F&G R_L = 648.11 INV = 643.67 (S,E)
- 167 STA. 265+71, 25' LT CB, TYPE C, 2' DIA. TYPE 11 F&G R_L = 648.14 INV = 643.78



REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 260+00 TO 266+00

SCALE: 1"=20'
 DATE: APRIL, 2008

DRAWN BY: KMS
 CHECKED BY: MJL

DATE: 7/1/2008
 BY: KMS
 CHECKED: MJL
 FILENAME: N:\PROJ\03\16\Design\Drawings\161.DWG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	96
STA. 266+00		TO STA. 272+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT: 83828				

168 STA. 266+73, 25' LT
CB, TYPE C, 2' DIA.
TYPE 23 F&G
R = 648.44
INV = 642.82

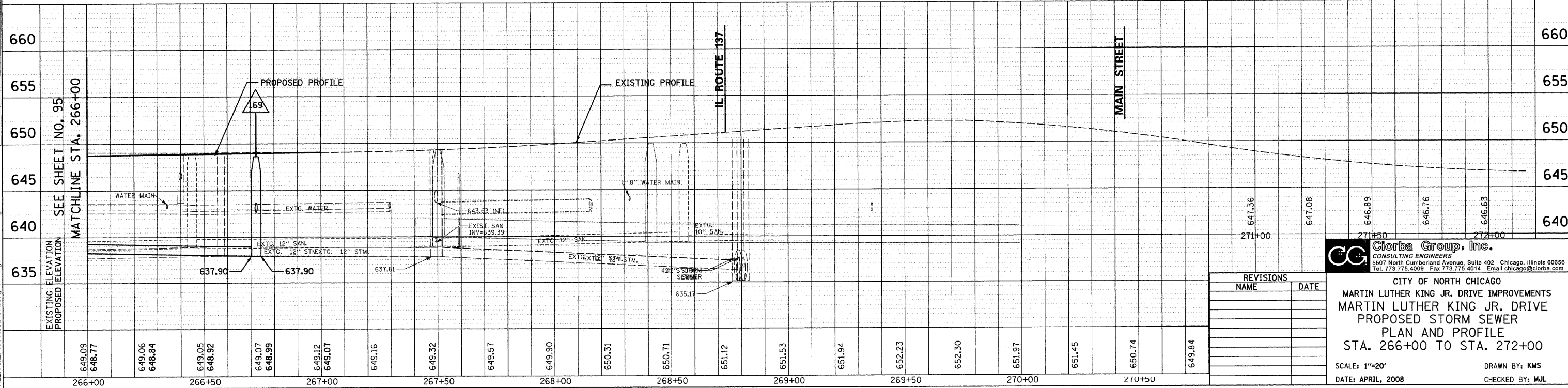
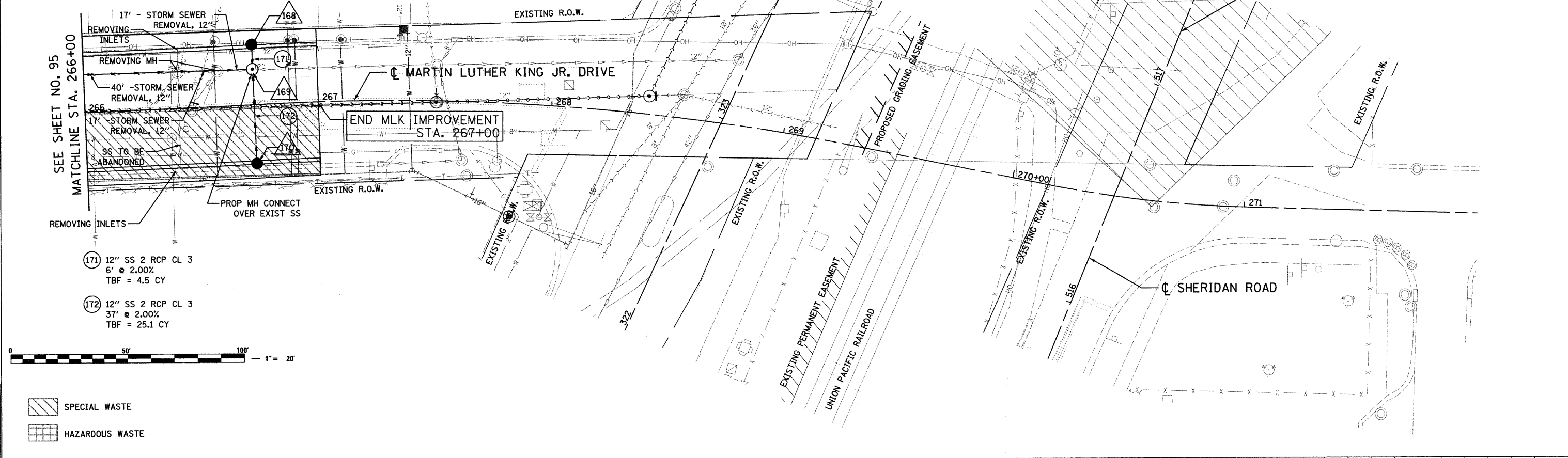
169 STA. 266+73, 15' LT
MH, TYPE A, 4' DIA.
TYPE 1 F, CL
RIM = 648.68
INV = 637.90 (E,W)
INV = 642.70 (N)
INV = 642.80 (S)

170 STA. 266+73, 25' RT
CB, TYPE C, 2' DIA.
TYPE 23 F&G
R = 648.44
INV = 643.54



PLAN	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

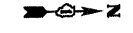


DATE: 7/1/2008
TIME: 7:45:25 AM
FILENAME: N:\PROJ\15181\Design\Drainage\5181-DRN-12.dgn

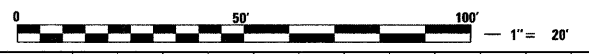
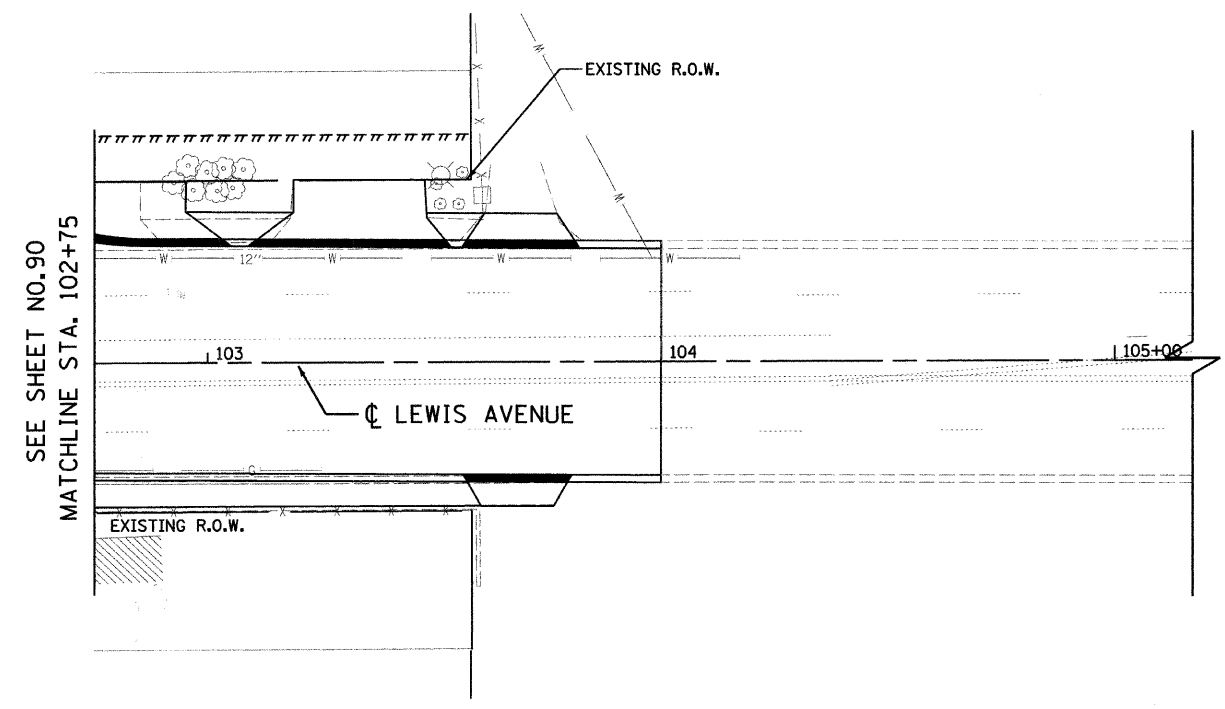
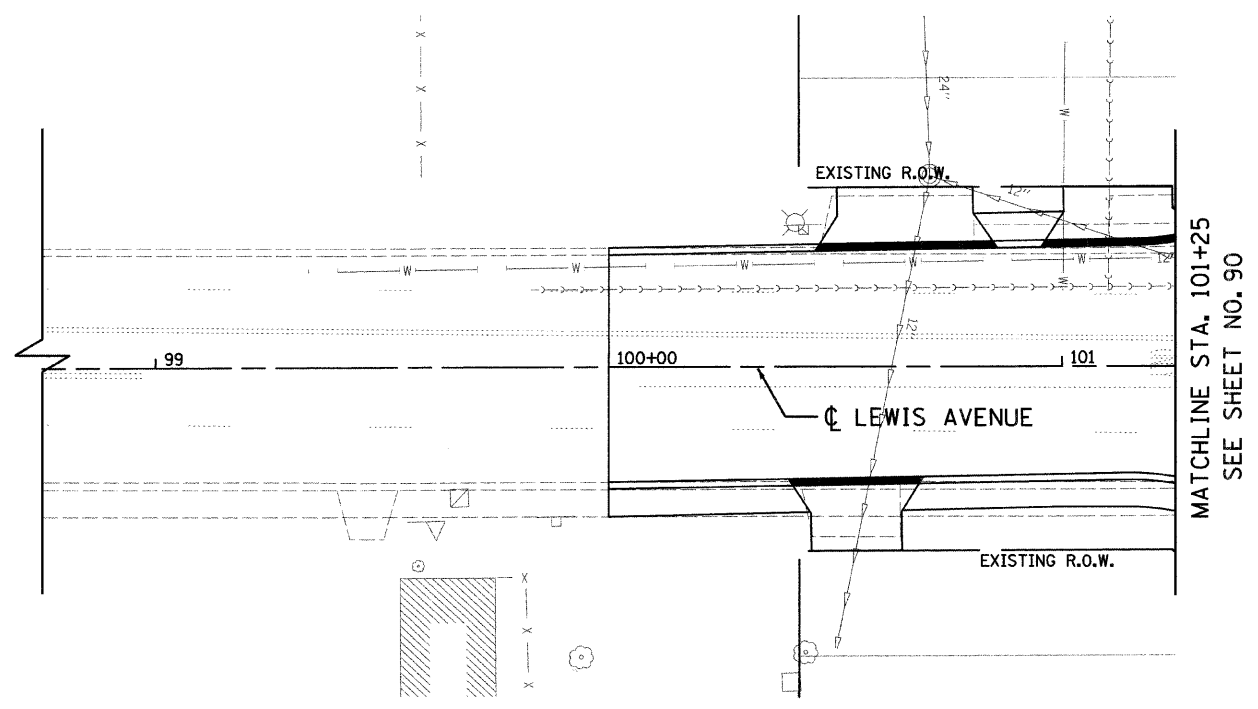
REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@ciorba.com

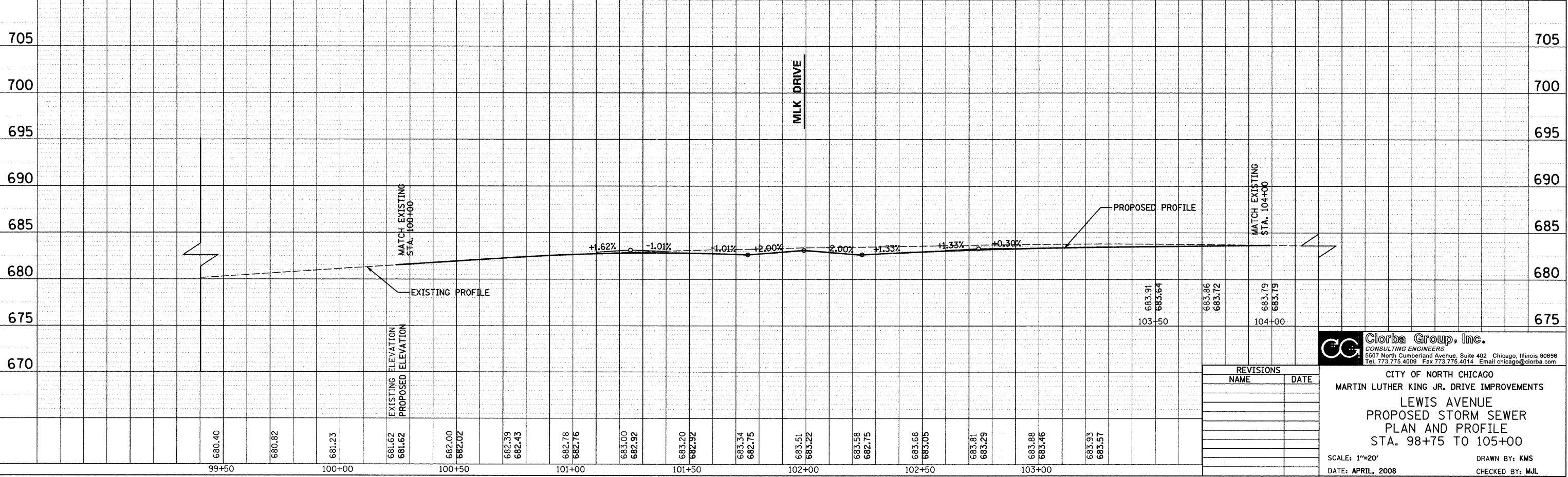
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
MARTIN LUTHER KING JR. DRIVE
PROPOSED STORM SEWER
PLAN AND PROFILE
STA. 266+00 TO STA. 272+00
SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL



PLAN	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	



PROFILE	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	



DATE: 7/1/2008
 DRAWN BY: M
 FILENAME: N:\PROJ\05161\Design\Drawings\05161-DRN-13.dgn

REVISIONS	
NAME	DATE

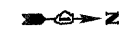
Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 LEWIS AVENUE
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 98+75 TO 105+00

SCALE: 1"=20'
 DATE: APRIL, 2008

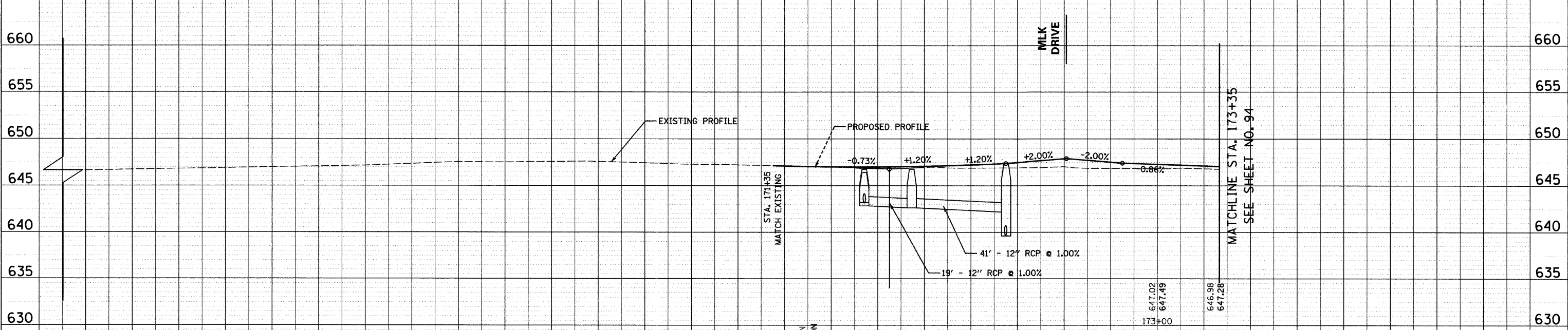
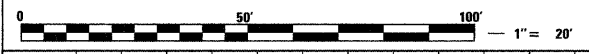
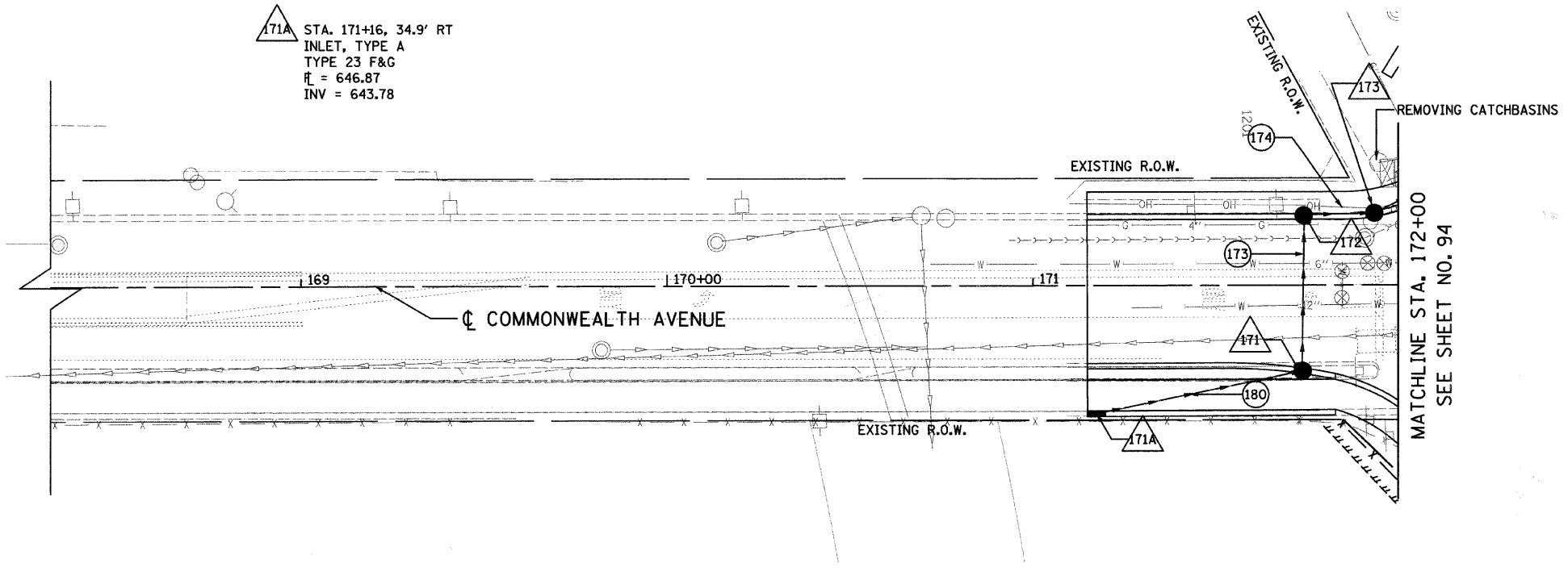
DRAWN BY: KMS
 CHECKED BY: MJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	98
STA. 169+00		TO STA. 173+35		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT: 83828				



- 171 STA. 171+74, 23.8' RT CB, TYPE C, 2' DIA. TYPE 11 F&G \bar{r} = 646.71 INV = 643.21 (S,W)
- 172 STA. 171+74, 19.0' LT CB, TYPE A, 4' DIA. TYPE 11 F&G \bar{r} = 646.79 INV = 642.80 (N,E)
- 173 STA. 171+95, 19.5' LT CB, TYPE A, 4' DIA. TYPE 11 F&G \bar{r} = 646.76 INV = 642.61 (N,S)
- 173 12" SS RG CL A 1 41' @ 1.00% TBF = 12.1 CY
- 174 12" SS 1 RCP CL 4 19' @ 1.00% TBF = 4.5 CY
- 180 12" SS 1 RCP CL 4 57' @ 1.00% TBF = 12.3 CY

- 171A STA. 171+16, 34.9' RT INLET, TYPE A TYPE 23 F&G \bar{r} = 646.87 INV = 643.78



647.10	647.21	647.32	647.51	647.76	647.74	647.81	647.68	647.49	647.40	647.26	647.26	647.13	647.21	647.16	647.28	647.09	647.47	647.13	647.88	647.05	647.82
169+00	169+50	170+00	170+50	171+00	171+50	172+00	172+50	173+00													

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

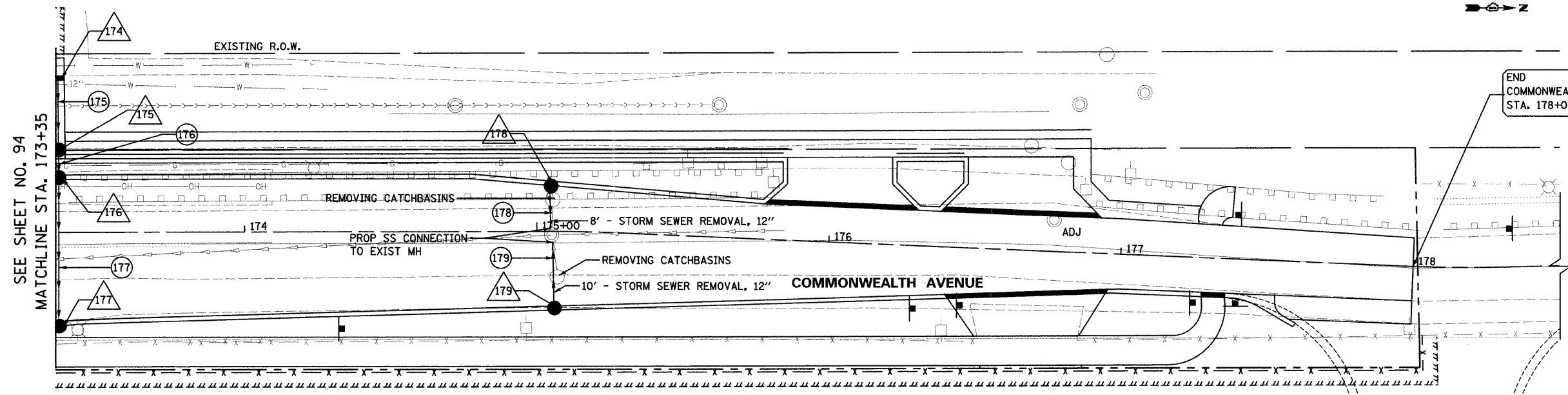
CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
COMMONWEALTH AVENUE
PROPOSED STORM SEWER
PLAN AND PROFILE
STA. 169+00 TO 173+35

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KMS
CHECKED BY: MJL

DATE: 7/2/2008
TIME: 8:34:31 AM
FILENAME: N:\PROJECTS\161\Design\161.dgn
PLAN: BY: [blank] DATE: [blank]
PROFILE: BY: [blank] DATE: [blank]
REVISIONS: [blank]

174	STA. 173+37, 53' LT INLET, TYPE A TYPE 11 F&G H = 647 INV = 643.11	175	STA. 173+37, 28' LT CB, TYPE A, 4' DIA. TYPE 11 F&G H = 647 INV = 642.99	176	STA. 173+37, 19' LT CB, TYPE A, 4' DIA. TYPE 23 F&G H = 646.77 INV = 642.95	177	STA. 173+37, 31' RT CB, TYPE A, 4' DIA. TYPE 23 F&G H = 646.75 INV = 642.70	178	STA. 175+05, 17' LT CB, TYPE C, 2' DIA. TYPE 11 F&G H = 645.53 INV = 641.25	179	STA. 175+05, 27' RT CB, TYPE C, 2' DIA. TYPE 11 F&G H = 645.33 INV = 641.33
-----	--	-----	--	-----	---	-----	---	-----	---	-----	---

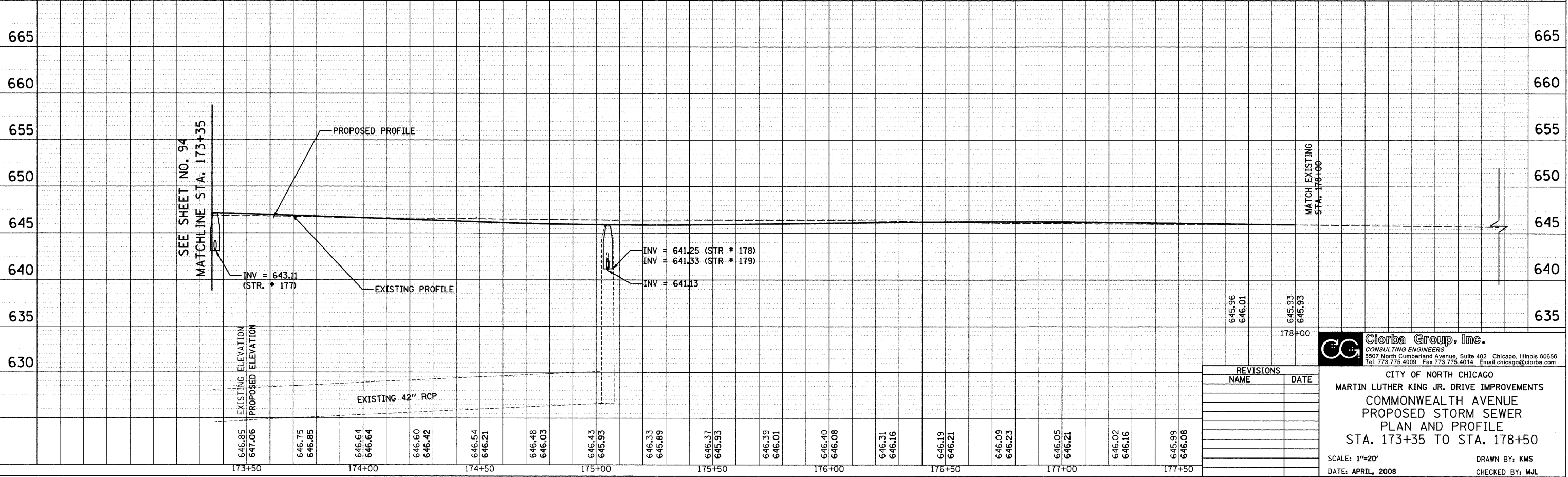


175	12" SS 1 RCP CL 4 23' @ 0.50% TBF = 6.5 CY	176	12" SS 2 RCP CL 3 8' @ 0.50% TBF = 3.1 CY	177	12" SS 1 RCP CL 4 49' @ 0.50% TBF = 13.8 CY	178	12" SS 2 RCP CL 3 12' @ 1.00% TBF = 4.1 CY	179	12" SS 2 RCP CL 3 20' @ 1.00% TBF = 6.6 CY
-----	--	-----	---	-----	---	-----	--	-----	--



DATE	BY
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	BY
PROFILE	
NO.	
NO.	
NO.	
NO.	



646.85	646.75	646.64	646.60	646.54	646.48	646.43	646.33	646.37	646.39	646.40	646.31	646.19	646.09	646.05	646.02	645.99
647.06	646.85	646.64	646.42	646.21	646.03	645.93	645.89	645.93	646.01	646.08	646.16	646.21	646.23	646.21	646.16	646.08
173+50	174+00	174+50	175+00	175+50	176+00	176+50	177+00	177+50								

REVISIONS	
NAME	DATE

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
COMMONWEALTH AVENUE
PROPOSED STORM SEWER
PLAN AND PROFILE
STA. 173+35 TO STA. 178+50

SCALE: 1"=20'
DATE: APRIL, 2008
DRAWN BY: KMS
CHECKED BY: MJL

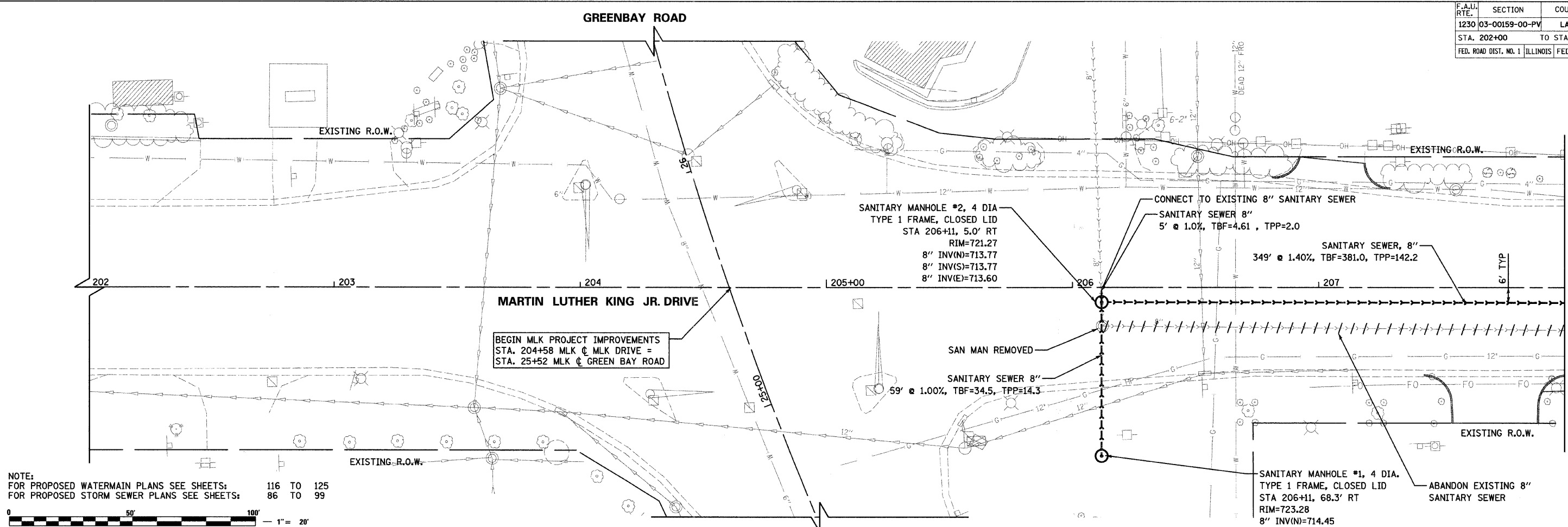
DATE: 7/12/08
FILENAME: N:\PROJECTS\161\Design\Drawings\161-CRM-15.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	100
STA. 202+00		TO STA. 208+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

CONTRACT: 83828



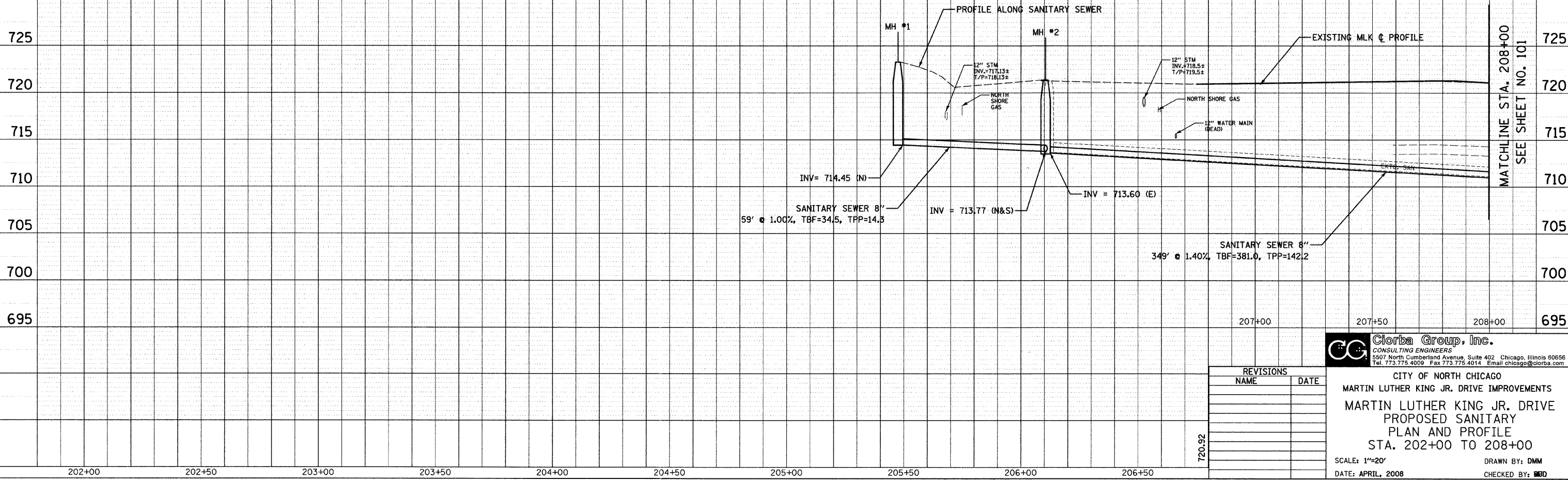
PLAN	DATE
SURVEYED	BY
PLOTTED	BY
GRADED	BY
STRUCTURE	BY
NO.	NO.



NOTE:
 FOR PROPOSED WATERMAIN PLANS SEE SHEETS: 116 TO 125
 FOR PROPOSED STORM SEWER PLANS SEE SHEETS: 86 TO 99



PROFILE	DATE
SURVEYED	BY
PLOTTED	BY
GRADED	BY
STRUCTURE	BY
NO.	NO.



REVISIONS	
NAME	DATE

Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

CITY OF NORTH CHICAGO
 MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS
 MARTIN LUTHER KING JR. DRIVE
 PROPOSED SANITARY
 PLAN AND PROFILE
 STA. 202+00 TO 208+00

SCALE: 1"=20'
 DATE: APRIL, 2008
 DRAWN BY: DMM
 CHECKED BY: MBD

DATE: 7/1/2008
 FILENAME: N:\PROJ\05161\Design\Sanitary\PSAN01.dgn