

STORM SEWERS, STRUCTURES, AND UTILITIES (CONTINUED)

30. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
31. MATERIALS CONSIDERED SUITABLE BY THE ENGINEER FOR SALVAGE SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY LAKE COUNTY DIVISION OF TRANSPORTATION.
32. HMA OR CONCRETE PAVEMENT CROSSINGS REMOVED DUE TO STORM SEWER OR CULVERT WORK SHALL NOT BE LEFT IN GRAVEL OVERNIGHT. THIS INCLUDES THE MAIN ROADS, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND PARKING AREAS. TEMPORARY HMA PAVEMENT MAY BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.
33. ALL EXISTING FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED SHALL REMAIN THE PROPERTY OF THE LAKE COUNTY PUBLIC WORKS OR THE VILLAGE OF DEER PARK OR KILDEER. THE CONTRACTOR SHALL DELIVER ALL REPLACED FRAMES, GRATES AND LIDS TO THE RESPECTIVE PUBLIC WORKS FACILITY. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
34. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENT (AS DETERMINED BY THE ENGINEER) SHALL BE SEALED WITH BRICKS AND PORTLAND CEMENT MORTAR OR MECHANICAL END CAPS TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
35. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED. ALL TYPE 8 GRATES ON RESTRICTED DEPTH DRAINAGE STRUCTURES SHALL BE ADJUSTED TO PLAN GRADE WITH 4" MINIMUM CONCRETE ADJUSTMENT RINGS.
36. "DFW NON-SHEAR" COUPLINGS AS MANUFACTURED BY NDS COMPANY OR APPROVED EQUAL SHALL BE USED FOR CONNECTIONS OF NEW PIPE TO EXISTING PIPE AND WHERE DISSIMILAR PIPE AND JOINT MATERIALS ARE ENCOUNTERED. COUPLINGS SHALL BE A MINIMUM OF 12 INCHES LONG FOR CONNECTION ON LARGER PIPES (THESE ARE SPECIAL ORDER ITEMS). NO STAINLESS STEEL SHEAR RINGS WILL BE ALLOWED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
37. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE CENTER OF STRUCTURE LOCATION PER LCDOT DESIGN POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
38. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. THE ADJUSTMENT OF FRAMES ON ALL NEW STRUCTURES TO THE FINAL ELEVATIONS SHALL BE INCLUDED IN THE COST OF THE NEW STRUCTURES. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
39. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONNECTED. ALL JOINTS IN CONCRETE SEWER PIPE SHALL BE SEALED WITH RUBBER GASKETS, PREFORMED JOINT SEALANTS, OR EXTERNAL SEALING BANDS. NO MASTIC JOINT SEALER WILL BE ALLOWED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
40. THE CONTRACTOR SHALL MAINTAIN FLOWS THROUGH EXISTING SEWER SYSTEMS AT ALL TIMES. THE EXISTING STRUCTURES SHALL BE INSPECTED BEFORE CONSTRUCTION STARTS. AS DIRECTED BY THE ENGINEER, ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
41. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR STRUCTURES. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
42. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLES, CATCH BASIN, INLET, 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". ALL OPEN GRATES SHALL INCLUDE THE WORDING "DUMP NO WASTE, DRAINS TO WATERWAYS". THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE STRUCTURE BEING CONSTRUCTED, ADJUSTED OR RECONSTRUCTED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STORM SEWERS, STRUCTURES, AND UTILITIES (CONTINUED)

43. EXISTING STORM SEWERS AND EXISTING STORM SEWER STRUCTURES SHALL BE CLEANED AS DIRECTED BY THE ENGINEER. A CONTINGENCY QUANTITY HAS BEEN INCLUDED IN THE CONTRACT.
44. THE CONTRACTOR SHALL BE AWARE THAT AT TIMES THE ENGINEER MAY REQUIRE A CHANGE IN STORM SEWER ELEVATION DUE TO A UTILITY LINE OR OTHER OBSTRUCTION. THE ADDITIONAL EXCAVATION OR SHEETING REQUIRED SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE STORM SEWER.
45. REMOVAL OF FLARED END SECTIONS SHALL BE PAID FOR AS "STORM SEWER REMOVAL."
46. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 WILL NOT BE ALLOWED.

DRIVEWAYS AND ENTRANCES

47. ALL EXCAVATION REQUIRED TO CONSTRUCT NEW DRIVEWAYS SHALL BE PAID FOR AS "DRIVEWAY PAVEMENT REMOVAL".
48. EXISTING FIELD ENTRANCES SHALL BE CONSTRUCTED TO THE RIGHT-OF-WAY WITH AGGREGATE BASE COURSE, TYPE A 6". SEE LAKE COUNTY DETAIL LC4103.
49. EXISTING GRAVEL DRIVEWAYS OR ENTRANCES SHALL BE SURFACED TO THE RIGHT-OF-WAY WITH 2-1/2 INCHES OF HMA CONCRETE SURFACE COURSE. THE GRAVEL SHALL BE APPROPRIATELY GRADED AND SUPPLEMENTED WITH AGGREGATE BASE COURSE, TYPE A, AS REQUIRED.
50. EXISTING HMA DRIVES SHALL BE SAW CUT AT THE RIGHT-OF-WAY LINE. THE SURFACE SHALL BE REMOVED TO THE SAW CUT. THE AGGREGATE BASE SHALL BE APPROPRIATELY PREPARED, AND THE DRIVEWAY SHALL BE RESURFACED WITH 2-1/2 INCHES OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50.
51. EXISTING P.C. CONCRETE DRIVES SHALL BE SAW CUT AT THE RIGHT-OF-WAY LINE AND REMOVED. THE DRIVE SHALL BE RECONSTRUCTED TO THE SAME WIDTH WITH 6 INCHES OF AGGREGATE BASE AND 8 INCHES OF P.C. CONCRETE UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

PAVEMENT MARKING

52. THE ITEM 'SHORT TERM PAVEMENT MARKING' PROVIDES FOR THE APPLICATION OF TEMPORARY CENTER AND LANE LINES:
  - A) AFTER THE PAVEMENT HAS BEEN MILLED
  - B) AFTER PLACEMENT OF A PRIME COAT
  - C) AFTER PLACEMENT OF LEVELING BINDER
  - D) AFTER PLACEMENT OF PRIME AND CRACK CONTROL FABRIC
  - E) AFTER PLACEMENT OF BINDER COURSE
  - F) AFTER PLACEMENT OF A PRIME COAT
  - G) AFTER PLACEMENT OF THE SURFACE COURSE
53. ITEMS CATEGORIZED AS "TEMPORARY PAVEMENT MARKING" PROVIDE FOR TWO APPLICATIONS.
54. ITEMS UNDER THE GENERAL HEADING OF "THERMOPLASTIC PAVEMENT MARKING" PROVIDE FOR ONE APPLICATION.

SIGNING, STRIPING & LANDSCAPING

55. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT'S TRAFFIC CONTROL ITEMS.
56. ALL UNUSED SIGNS SHALL BE RETURNED TO THE VILLAGE OF KILDEER, THE VILLAGE OF DEER PARK OR LAKE COUNTY DIVISION OF TRANSPORTATION AT THE DIRECTION OF THE ENGINEER.
57. ANY SIGNS WHICH ARE DAMAGED BEYOND REPAIR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
58. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
59. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
60. TEMPORARY FENCE SHALL BE PLACED AROUND ALL TREES THAT ARE TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR MORE DETAIL.
61. ALL NEW SIGNING WILL BE FURNISHED AND INSTALLED BY LAKE COUNTY. SIGNS ON THE PROPOSED PAVEMENT MARKING AND SIGNING SHEET ARE FOR REFERENCE ONLY FOR LCDOT.

SURVEY

62. BENCHMARKS  
LAKE COUNTY MAPPING B.M. #6-22 BOX CUT (FOUND) IN TOP OF CURB AT THE MOST SOUTHERLY END OF MEDIAN ON THE NORTH SIDE OF CUBA ROAD AT CAMBRIDGE DRIVE. N.G.V.D. 1929 ELEVATION 848.48
63. LAKE COUNTY MAPPING B.M. #6-23 CROSS CUT (FOUND) IN NORTH RIM OF MANHOLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF EDDY LANE AND CUBA ROAD. N.G.V.D. 1929 ELEVATION 868.50
64. BEARINGS ARE REFERENCED TO THE ILLINOIS COORDINATE SYSTEM NAD83 (1997) EAST ZONE AT FOUND GEODETIC SURVEY CONTROL MONUMENTS "LAKE ZURICH", P.I.D. AJ3081 AND "VGB 3A", P.I.D. AJ3080.

SURVEY (CONTINUED)

65. COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "LAKE ZURICH", P.I.D. AJ3081, OF N.613.539.945-E320.649.905.
66. SURFACE COORDINATES ARE SHOWN.
67. IN ADDITION TO THE REQUIREMENTS OF ARTICLE 105.09 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL FURNISH, AT THEIR EXPENSE, WHITE, PINK OR PURPLE PAVEMENT MARKING PAINT IN AEROSOL CANS, FOR USE BY THE ENGINEER. THE QUALITY OF THE MARKING PAINT SHALL BE AS MANUFACTURED BY AERVOE-PACIFIC CO. (DISTRIBUTED BY MUNICIPAL MARKING DISTRIBUTORS, INC., DUNDEE, IL) OR APPROVED EQUAL. THE CONTRACTOR AND SUBCONTRACTORS SHALL ONLY USE THESE SAME COLORS FOR THEIR OWN MARKINGS, THEREFORE, NOT USING J.U.L.I.E. UTILITY COLORS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

POINTS OF CONTACT

LAKE COUNTY DIV. OF TRANS.  
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| DATE     | BY  |
| SURVEYED | NO. |
| PLOTTED  | NO. |
| DATE     | NO. |
| AREAS    | NO. |
| CHECKED  | NO. |

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| SURVEYED | NO. |
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| DATE     | NO. |
| AREAS    | NO. |
| CHECKED  | NO. |

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|-------------------|-----------|
| DESIGNED - JRR    | REVISED - |
| DRAWN - JRR       | REVISED - |
| CHECKED - RTM     | REVISED - |
| DATE - 10/24/2011 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE.                                     | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO.          |
|---|----------------|--------|--------------|--------------------|
| 364   | 02-00051-08-WR | LAKE   | 188          | 3                  |
|   |                |        |              | CONTRACT NO. 63649 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |                |        |              |                    |