

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & LEGEND
- 3 SUMMARY OF QUANTITIES & STANDARDS
- 4-7 TYPICAL SECTIONS
- 8-9 ALIGNMENT AND TIES
- 10-12 REMOVAL PLANS
- 13-24 PLAN AND PROFILE
- 25-36 DRAINAGE AND UTILITY PLAN
- 37-39 SIGNING, PAVEMENT MARKING AND LANDSCAPING PLANS
- 40-42 EROSION CONTROL PLAN
- 43 DETOUR PLAN
- 44-50 MAINTENANCE OF TRAFFIC
- 51 EAST PIPE CULVERT DETAIL
- 52-59 DISTRICT ONE STANDARD DETAILS
- 60-89 CROSS SECTIONS

GENERAL NOTES

1. ALL EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM SURVEY DATA PREPARED BY:

ESI Consultants, Ltd.
1979 NORTH MILL STREET SUITE 100
NAPERVILLE, ILLINOIS 60563
TEL: 630/420-1700 / FAX: 630/420-1733

COPIES OF THE SURVEY ARE AVAILABLE FROM THE ENGINEER.
2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING HIS WORK.
3. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS ESI CONSULTANTS, LTD., THE VILLAGE, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.
4. ALL ELEVATIONS ARE BASED ON WILL COUNTY DATUM. BENCHMARK LOCATIONS AND ELEVATIONS ARE SHOWN ON THIS DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BENCHMARK ELEVATIONS WITH ADJACENT CONTRACTS AS THEY MAY VARY SIGNIFICANTLY.
5. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
6. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, AND ALL ADDENDA THERETO, SHALL GOVERN THE EARTHWORK AND PAVING WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
7. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
8. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS OPERATIONS ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS.

10. PRIOR TO NEW WORK THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES TO BE CONNECTED TO PROPOSED WORK. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. ALL FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED WHERE PRACTICABLE AND PROMPTLY REPORTED TO THE ENGINEER.
11. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.
12. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEM IN ACCORDANCE WITH THE EROSION CONTROL MEASURES INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES.
13. ALL CURB RADII REFER TO EDGE OF PAVEMENTS.
14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY NEW CONSTRUCTION REQUIRING INSPECTION.
15. AREAS OUTSIDE THE R.O.W. LINE OR CONSTRUCTION LIMIT LINE IMPACTED BY OPERATIONS OF THE CONTRACTOR SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
16. ALL TREES SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.
17. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH LOCAL OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
18. PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.
19. PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES IN OR WITHIN 2 FEET OF PAVED AREAS PER DETAIL ON DRAWING.
20. THE CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE AS REQUIRED BY THE CITY OF WILMINGTON LISTING AS ADDITIONAL INSURED; THE CITY OF WILMINGTON, JOLIET ARSENAL DEVELOPMENT AUTHORITY, WILL COUNTY, PROLOGIS, AND ESI CONSULTANTS, LTD.
21. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL UNDERGROUND UTILITY CONSTRUCTION AND SUBMIT "RECORD" INFORMATION TO ENGINEER FOR USE IN PREPARING "RECORD DRAWINGS".
22. 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB, GUTTER AND MEDIAN 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.
23. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
24. ROADWAY WIDTHS AND RADIUS ARE GIVEN TO THE EDGE OF PAVEMENT.
25. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT).
26. THE CONTRACTOR IS REQUIRED TO COORDINATE CONSTRUCTION WITH ADJACENT CONSTRUCTION ACTIVITIES.
27. THE CONTRACTOR SHALL NOT ALLOW HEAVY VEHICLE CONSTRUCTION TRAFFIC ALONG INDIAN TRAIL AND RILEY ROAD AS THEY ARE LOCAL ROADS WITH POSTED WEIGHT RESTRICTIONS.
28. SAW CUT OF PAVEMENT IS INCIDENTAL TO "PAVEMENT REMOVAL" AND "DRIVEWAY PAVEMENT REMOVAL."

CONSTRUCTION NOTES

STORM SEWER NOTES

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. 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 AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.

ALL HYDRANTS AND AUXILIARY VALVES, FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BE RETURNED TO THE VILLAGE. ALL HYDRANTS TO BE REMOVED SHALL BE REMOVED TO A MINIMUM DEPTH OF 3' FEET BELOW GRADE AND PLUGGED.

OFFSETS AND TOP OF FRAME OR LID ELEVATIONS ON INLETS, MANHOLES, OR CATCH BASINS LOCATE IN THE GUTTER, ARE GIVEN AT THE FLOW LINE. ALL STATIONS ARE GIVEN FROM THE CENTER OF STRUCTURES.

OFFSETS FOR MANHOLES AND CATCH BASINS, NOT LOCATED IN THE GUTTER, ARE GIVEN TO THE CENTER OF THE STRUCTURE. ALL STATIONS ARE GIVEN FROM THE CENTER OF STRUCTURES.

ALL OFFSETS ARE GIVEN FROM THE BASELINE OF CONSTRUCTION.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.

STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07 (METHOD 1) OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON INVERT DEPTH FROM EXISTING PAVEMENT. ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE COMPUTED QUALITY, INCLUDING BEDDING MATERIAL, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

HALF TRAPS FOR CATCH BASINS SHALL BE OMITTED.

EXISTING STORM SEWER LATERALS SHALL BE CONNECTED TO PROPOSED STORM SEWER IN AREAS WHERE EXISTING STORM SEWER IS TO BE REMOVED. THIS WORK SHALL BE INCIDENTAL TO THE COST OF NEW STORM SEWER.

PRECAST CONCRETE FLAT SLAB TOPS SHALL BE USED WHERE THE REQUIRED VERTICAL DISTANCE IS INSUFFICIENT TO ALLOW MANHOLE OR CATCH BASIN CONE TO BE USED.

WHERE STORM SEWER MAIN HAS A HORIZONTAL SEPARATION OF LESS THAN 10 FEET TO A WATER MAIN, OR HAS A VERTICAL SEPARATION LESS THAN 18 INCHES, THE STORM SEWER PIPE MATERIAL SHALL MEET THE REQUIREMENTS OF THE SECTION 40 AND 41-201 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EXCEPT THAT ONLY DUCTILE IRON PIPE WILL BE ALLOWED BENEATH PAVEMENTS. THIS PIPE WILL BE INCIDENTAL TO THE COST OF THE NEW STORM SEWER.

ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCH DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES, FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES DIA. OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER SHALL BE INCIDENTAL TO THE COST OF NEW STORM SEWER.

PAVEMENT STRUCTURAL DESIGN INFORMATION

ROAD CLASSIFICATION: CLASS I
 STRUCTURAL DESIGN TRAFFIC:
 PV = 16,544 SU = 933 MU = 3,733
 PERCENT OF STRUCTURAL DESIGN TRAFFIC
 P = 50% S = 50% M = 50%
 MINIMUM SUBGRADE SUPPORT RATING: POOR
 FLEXIBLE PAVEMENT DESIGN: MINIMUM TF = 19.27
 (RIGID PAVEMENT DESIGN: MINIMUM TF = 27.36)

GENERAL NOTES

SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

ESI ESI CONSULTANTS, LTD
 1979 N. MILL STREET SUITE 100
 NAPERVILLE, IL 60563
 (630) 420-1700
 WWW.ESICONSULTANTS.LTD.COM
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003686

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	2
CONTRACT NO. 63066				

6/16/2008 K&E Projects Joliet Arsenal Development Authority South Arsenal Road East CAD:JSH02 CH. 01.sht