

**GENERAL NOTES**

- 1.) THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 2.) EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3.) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 4.) SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER AND SEEDED AS SOON AS POSSIBLE.
- 5.) ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
- 6.) ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
- 7.) UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 8.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9.) ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 10.) IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 11.) THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- 12.) THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND IS INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- 13.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- 14.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED.

**MIXTURE REQUIREMENTS**

MIXTURE USE(S)	HMA SURFACE	HMA BASE CRSE	INCIDENTAL HMA SURFACING
AC/PG	SBS PG 70-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 70	4.0% @ N DESIGN = 70	4.0% @ N DESIGN = 70
MIXTURE COMPOSITION	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIX D	N/A	MIX D

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

HOT-MIX ASPHALT MATERIALS (PRIME COAT)	0.00038 TON/SQ. YD. (ON PAVEMENT)
HOT-MIX ASPHALT MATERIALS (PRIME COAT)	0.001425 TON/SQ.YD. (ON AGG)
HOT-MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.
AGRICULTURAL GROUND LIMESTONE	2.0 TON/ACRE
ROCKFILL - FOUNDATION	1.89 TON/CU. YD.

**COMMITMENTS**

- 1.) STORM WATER POLLUTION PREVENTION PLAN.

**GRAVITY SEWER CONSTRUCTION NOTES**

1. THE GRAVITY SEWER WITH APPURTENANCES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, "SIXTH EDITION", DATED JULY 2009 (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS") AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AS APPLICABLE.
2. SANITARY SEWER SHALL BE REINFORCED CONCRETE PIPE CLASS IV, TYPE 3 WITH RUBBER GASKETS CONFORMING TO ASTM C-76 AND JOINTS CONFORMING TO ASTM C361 OR C443 AND DUCTILE IRON PIPE CONFORMING TO ANSI A 21.51 WITH GRAY OR DUCTILE IRON FITTINGS CEMENT LINED WITH BITUMINOUS COATING PER ANSI A 21.4, CONFORMING TO ANSI 21.11 FOR MECHANICAL OR RUBBER RING (SLIP SEAL OR PUSH ON) JOINTS.
3. BEDDING, HAUNCHING, AND INITIAL BACKFILL TO 12 INCHES ABOVE THE CROWN OF THE PIPE SHALL BE PER STANDARD DRAWING NO.2 OF THE STANDARD SPECIFICATIONS. THE BACKFILL MATERIAL SHALL BE IDOT GRADATION CA-7.
4. THE SANITARY SEWER SHALL BE TESTED IN ACCORDANCE WITH SECTION 31-1.12 AND 31-1.13 OF THE STANDARD SPECIFICATIONS. EXFILTRATION OF AIR PER SECTION 31-1.13A SHALL BE THE USED FOR LEAK TESTING.
5. IN ADDITION TO THE REQUIREMENTS OF SECTIONS 5-5 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL, PRIOR TO STARTING EXCAVATION, ASCERTAIN FROM ALL LOCAL UTILITIES, ESPECIALLY GAS AND WATER, THE EXACT LOCATIONS OF ALL MAINS AND BUILDING SERVICES IN THE AREA OF OPERATIONS, WHETHER SUCH ARE INDICATED ON THE PLANS OR NOT. ANY SUCH MAINS AND SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED. WHENEVER POSSIBLE, BUILDING OWNERS OR OCCUPANTS SHALL BE NOTIFIED IN ADVANCE IF THEIR UTILITY SERVICE IS TO BE DISCONNECTED AND NO BUILDING SHALL BE LEFT WITHOUT SERVICE OVERNIGHT.
6. ALL MATERIALS SHALL BE APPROVED BY ENGINEER AND THE CITY OF SPRINGFIELD PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING GRAVITY SEWER TO VERIFY THE ALIGNMENT OF THE PROPOSED GRAVITY SEWER REPLACEMENT.
8. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME, PUBLIC OR PRIVATE PROPERTY IS DAMAGED OR DESTROYED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
9. TRENCH BACKFILL AROUND THE GRAVITY SEWER SHALL BE COMPACTED ACCORDING TO SECTION 542.04 AND 550.07 OF THE STANDARD SPECIFICATIONS.
10. ALL SECTIONS, DETAILS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE SHOWN.
11. ALL EXCESS EARTH FROM THE TRENCHES SHALL BE DISPOSED OF BY THE CONTRACTOR OFFSITE. DISPOSING OF EXCESS EARTH SHALL BE INCIDENTAL TO THE CONSTRUCTION OF THE GRAVITY SEWER.
12. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF SPRINGFIELD AT LEAST 48 HOURS PRIOR TO TAKING AN EXISTING GRAVITY SEWER OUT OF SERVICE.
13. WATER MAINS SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, AND FORCEMAINS IN ACCORDANCE WITH SECTIONS 41-2.01A AND 41-2.01B
14. THE CONTRACTOR SHALL INSTALL EXCELSIOR BLANKET ON THE SIDE SLOPES OF THE CREEK, WHERE DISTURBED.
15. THE CONTRACTOR SHALL ACQUIRE NECESSARY PERMITS FROM THE CITY OF SPRINGFIELD OFFICE OF PUBLIC WORKS TO WORK IN THE PUBLIC RIGHT-OF-WAY.

**BY-PASS PUMPING**

BYPASS PUMPING MAY BE REQUIRED DURING CONSTRUCTION. BYPASS PUMPING WILL CONSIST OF PUMPING FROM EXISTING MANHOLE 100 AT THE UPSTREAM CONNECTION OF THE PROPOSED SEWER WITH THE EXISTING SEWER TO MANHOLE 426, THE FIRST MANHOLE DOWNSTREAM OF PROPOSED SPECIAL STRUCTURE NO. 1, APPROXIMATELY 81 FT NORTH OF THE INTERSECTION OF ILES AVE. WITH CHATHAM RD. BYPASS PUMPING AND ANY TEMPORARY FITTINGS NECESSARY FOR BYPASS PUMPING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

EXISTING		LEGEND		EXISTING		PROPOSED	
	SURFACE WATER LINE		WATER		GAS		ELECTRIC
	SECTION LINE		SANITARY		CABLE TELEVISION		STORM SEWER
	TREE/CROP LINE		PERMANENT EASEMENT		TEMPORARY EASEMENT		BUILDING
	PROPERTY LINE		TELEPHONE SPLICE BOX		HANDHOLE		SPLICE BOX
	RIGHT-OF-WAY		BURIED TELECOMMUNICATIONS				
	EDGE OF PAVEMENT		BURIED FIBER OPTIC				
	EDGE OF SHOULDER		WATER VALVE				
	GUARDRAIL		FIRE HYDRANT				
	FENCE LINE		MANHOLE				
	UTILITY POLE		LIGHT POLE				

USER NAME = *USER*	DESIGNED -	REVISED -	<b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>GENERAL NOTES, COMMITMENTS &amp; MIX REQUIREMENTS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = *SCALE*	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	8006	10-00470-00-BR	SANGAMON	90	2
PLOT DATE = *DATE*	CHECKED -	REVISED -					CONTRACT NO. <b>93600</b>				
	DATE -	REVISED -					FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT				