GENERAL NOTES

1. IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

2. THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPER ELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

3. TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

4. EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

5. ALL PIPE CULVERTS DESIGNATED ON THE PLANS SHALL BE "REINFORCED CONCRETE PIPE CULVERT OR STORM SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 1040.03.

6. AT ALL LOCATIONS WHERE THE PROPOSED HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAW JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT TO BE CONSTRUCTED.

7. THIS PROJECT INCLUDES SEVERAL AREAS OF ROADWAY WIDENING. NO "WIDENING" PAY ITEMS ARE INCLUDED HEREIN. ALL WORK SHALL BE PAID FOR AS NOTED WHETHER THE WIDTH OF THE WORK AREAS EXCEEDS SIX FEET OR WHETHER IT IS LESS THAN SIX FEET.

8. THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.

9. THE FINAL TOP 100MM (FOUR INCHES) OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE 'A' HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.

10. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS.

11. (SEEDING LESS THAN 0.5 ACRE OR 0.2 HECTARES) MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS.

12. PREVIOUSLY PUG MILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.

13. EXCEPT FOR THE TOP 75mm (3"), ALL AGGREGATE BASES AND SUBBASES 300mm (12") IN THICKNESS SHALL BE CONSTRUCTED OF AGGREGATE GRADATION CA-2. IF THE SPECIFIED THICKNESS EXEEDS 300mm (12"), THE BASES OR SUBBASES SHALL BE CONSTRUCTED OF TOPSIZE 150mm (6") BREAKER-RUN CRUSHED STONE WITH 70% TO 90% BY WEIGHT PASSING THE 4" SIEVE AND 15% TO 40% BY WEIGHT PASSING THE 50mm (2") SIZE SIEVE, EXCEPT FOR THE TOP 75mm (3"). THE BREAKER-RUN CRUSHED STONE SHALL BE REASONABLY UNIFORMLY GRADED FROM COARSE TO FINE AND BE TAKEN FROM A QUARRY LEDGE CAPABLE OF PRODUCING CLASS "D" QUALITY AGGREGATE. THE TOP 75mm (3") SHALL BE GRADATION CA-6 OR CA-10 REGARDLESS OF THICKNESS. THE WATER NECESSARY TO ACHEIVE COMPACTION IN ALL BUT THE TOP 75mm (3") LAYER MAY BE ADDED AFTER THE SUBBASE OR BASE COURSE IS PLACED ON THE GRADE.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

JO-CARROLL ENERGY (ELECTRIC) — MISSISSIPPI PALISADES PARK (SANITARY SEWER)
MISSISSIPPI PALISADES PARK (WATER MAIN) — CENTURY LINK (TELEPHONE)

FOLLOWING ARE THE KNOWN UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS WHICH ARE NOT MEMBERS OF JULIE AND SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR:

15. THE CONTRACTOR IS ADVISED THAT LITTLE HARD SURVEY DATA WAS OBTAINED FOR THIS PROJECT. MOST INFORMATION WAS EXTRACTED FROM AERIAL SURVEY DATA. TO INSURE THAT THE ROADWAY IS RECONSTRUCTED IN ITS EXISTING LOCATION AND NEAR THE SAME ELEVATION, THE CONTRACTOR SHALL OBTAIN CENTERLINE ELEVATIONS AT A MINIMUM OF ONE HUNDRED FOOT INTERVALS AND SHALL SET OFFSET HUBS AT THE SAME ONE HUNDRED FOOT INTERVALS TO REESTABLISH THE ROADWAY ALIGNMENT AND PROFILE. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR CONSTRUCTION LAYOUT. IF, IN THE OPINION OF THE RESIDENT ENGINEER, ADDITIONAL OFFSET HUBS AND ELEVATIONS ARE NECESSARY TO REESTABLISH THE ROADWAY, THE CONTRACTOR SHALL OBTAIN/SET THESE HUBS AT NO ADDITIONAL COST.

LEGEND

EXISTING

- SIGN
- MANHOLE
- 340 CONTOUR
- TIMBER LINE
- PIPE CULVERT (VARIOUS SIZES)
- IRON ROD
- BENCHMARK
- SIGN
- STREET LIGHT
- GUY WIRE
- POWER POLE
- YH YARD HYDRANT
- E UNDERGROUND ELECTRIC
- A OVERHEAD UTILITIES
- STORM SEWER
- EVERGREEN TREE
- 12 DECIDUOUS TREE

PROPOSED

- TBF TRENCH BACKFILL
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PRECAST REINFORCED CONCRETE FLARED END SECTION

ABBREVIATIONS

CY	CUBIC YARD
ERS	EQUIVALENT ROUND SIZE
HEP	HORIZONTAL ELLIPTICAL PIPE
PRC	PRECAST REINFORCED CONCRETE
RCCP	REINFORCED CONCRETE CULVERT PIPE

STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS 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 SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF REMOVAL AND RECONSTRUCTION OF THE EXISTING PINE KNOB ROAD AND PARKING AREAS

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:
THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EXCAVATION, EMBANKMENT, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 10 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) N/A ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 5.4 ACRES

SUPPORTING REPORTS AND PLANS
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

MISSISSIPPI RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING
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 SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

APPLICATION RATES	
GRANULAR MATERIALS	2.05 TONS/CY
BITUMINOUS MATERIAL (PRIME COAT)	04. GAL/SQ YD OR 0.0016 TON/SY ON AGGREGATE (MC-30)
BITUMINOUS MATERIAL (PRIME COAT)	0.1 GAL/SQ YD OR 0.0004 TON/SY ON HARD SURFACE (RC-70)
HOT-MIX ASPHALT	112*/IN/SQ YD
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHERUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
MULCH, METHOD 2	2 TONS/ACRE

DESIGNED	LAW	REVISED	-
DRAWN	DRR	REVISED	-
CHECKED	PJM	REVISED	-
DATE	01/27/10	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GENERAL NOTES, LEGEND AND SWPPP PLAN NOTES

SCALE: | SHEET NO. 8 OF 35 SHEETS | STA. | TO STA.

IDOT/IDNR STATEWIDE
MISSISSIPPI PALISADES STATE PARK
PINE KNOB ROAD

F.A.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PINE KNOB ROAD	CARROLL	35	8
		CONTRACT NO. 46093		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FARNSWORTH GROUP, INC.
CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

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