

## GENERAL NOTES

1. A PRE-CONSTRUCTION MEETING BETWEEN THE OWNER, DEVELOPER, THE DEVELOPER'S CONTRACTOR, AND THE APPROPRIATE COUNTY AND/OR CITY PERSONNEL MUST BE SCHEDULED PRIOR TO ANY WORK BEING PERFORMED ON THE SITE.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
3. CONTRACTOR SHALL RETAIN A LICENSED LAND SURVEYOR TO ESTABLISH GRADES AND LOCATE BUILDINGS.
4. FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53,1974, THE CONTRACTOR SHALL CALL INDIANA 811 AT 800-382-5544 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THIS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE IUJPS ALERT SYSTEM. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
5. THE CONTRACTOR SHALL INSTALL A TEMPORARY PEDESTRIAN SECURITY FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
6. ALL CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. REGULATORY SIGNAGE AS NECESSARY FOR MAINTAINING SAFE TRAFFIC ON ADJACENT ROADWAYS SHALL BE PER THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT). THE CONTRACTOR IS RESPONSIBLE FOR PROPER TRAFFIC CONTROL AND WARNING SIGNING AND DEVICES FOR THE DURATION OF CONSTRUCTION ON ANY PUBLIC STREET. FAILURE TO DO SO WILL RESULT IN THE CITY PROVIDING THE NECESSARY EQUIPMENT AND CHARGING THE CONTRACTOR WITH ALL RELATED COSTS.
7. WHEN WORKING WITHIN PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL MAINTAIN FLASHING WARNING LIGHTS ON CONSTRUCTION SIGNS AND BARRICADES ON A MINIMUM WEEKLY BASIS, AND SHALL PROMPTLY RESPOND TO PROBLEMS WITH THESE AS DIRECTED. (I.E. FALLEN SIGNS, OBSTRUCTED SIGNS, ETC.).
8. ALL SITE IMPROVEMENTS ON-SITE OR OFF ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR MUST OBTAIN ALL PERMITS TO WORK IN RIGHTS-OF-WAY UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL PROMPTLY RE-GRADE AND RE-VEGETATE ERODED AREAS, AND CLEAN UP SEDIMENTATION RESULTING FROM CONSTRUCTION.
10. THE CONTRACTOR SHALL UTILIZE AND MAINTAIN (AT ALL TIMES) TEMPORARY EROSION AND SEDIMENTATION CONTROL FEATURES SO AS TO PREVENT ERODED SOILS FROM ENTERING STORM WATER STRUCTURES, PIPES, AND RETENTION PONDS. SEDIMENTATION SHALL BE REMOVED FROM THESE AREAS PRIOR TO PROJECT COMPLETION.
11. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
12. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
13. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
14. THERE ARE NO SIGNIFICANT IMPACTS TO OFFSITE WATER SHED PATTERNS.
15. THE ENTERING AND EXITING OF EQUIPMENT AND HAULING TRAFFIC FROM THE WORK SITE SHALL BE DONE IN A SAFE MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EQUIPMENT OPERATORS AND HAUL TRUCK DRIVERS, ETC., USE CAUTION AND ACCEPTABLE SPEEDS DURING WORK.

## PAVING AND GRADING NOTES

1. CURB TO BE PROVIDED WHERE SHOWN AND INTEGRAL WITH SIDEWALK AT PAVING EDGE.
2. ALL ELEVATIONS SHOWN ARE TO FINISHED PAVEMENT UNLESS OTHERWISE NOTED ON PLANS.
3. SLOPE GRADES UNIFORMLY BETWEEN ELEVATIONS SHOWN. SLOPE SIDEWALKS AWAY FROM BUILDING AT 1/4" PER FOOT ON ENTRY WALK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE THROUGHOUT THE PROJECT. FINISHED PAVEMENT ELEVATION SHALL BE MARKED ON CURBING AS NEEDED. THE CONTRACTOR SHALL AVOID PONDING AT INVERTED CROWNED PAVEMENT.
5. EXPANSION JOINTS IN CONCRETE PAVEMENT AND SIDEWALKS SHALL BE 1/2" ASPHALT IMPREGNATED FULL DEPTH 40' O.C. MAXIMUM AND AT SIDEWALK INTERSECTIONS. CRACK CONTROL SCORING REQUIRED AT SIDEWALK WIDTH DIMENSION. EXTERIOR CONCRETE SHALL BE 3500 PSI, 4-6% AIR ENTRAINED, LIMESTONE AGGREGATE, WITH A BROOM FINISH AND CURING SEAL.
6. STANDARD BITUMINOUS PAVEMENT SHALL BE:  
  
165# /SYD (1-1/2") HMA SURFACE, TYPE B, 9.5 MM ON TACK COAT OVER  
330# /SYD (3") HMA BASE, TYPE B, 25.0 MM OVER  
6" INDOT COMPACTED AGGREGATE, NO. 53 BASE OVER  
COMPACTED SUBGRADE  
  
HEAVY DUTY BITUMINOUS PAVEMENT SHALL BE:  
  
220# /SYD (2") HMA SURFACE, TYPE B, 9.5 MM ON TACK COAT OVER  
550# /SYD (5") HMA BASE, TYPE B, 25.0 MM (IN TWO EQUAL LIFTS) OVER  
6" INDOT COMPACTED AGGREGATE, NO. 53 BASE OVER  
COMPACTED SUBGRADE  
  
RECYCLED BITUMINOUS PAVEMENT (RAP) SHALL BE ALLOWED IN BITUMINOUS PAVEMENT ACCORDING TO CURRENT INDOT SPECIFICATIONS.
7. CONCRETE PAVEMENT REQUIREMENTS:  
  
6" REINFORCED CONCRETE WITH 6"x6" -- #10x#10 WIRE FABRIC OVER  
6" COMPACTED AGGREGATE, NO. 53 OVER  
COMPACTED SUBGRADE  
  
CONCRETE TO BE CAPABLE OF REACHING 4000 PSI IN 28 DAYS. SUBBASE TO BE ADEQUATELY DRAINED.
8. THE OWNER OR OWNER'S REPRESENTATIVE SHALL APPROVE EACH BITUMINOUS MIXTURE LIFT PRIOR TO THE PLACEMENT OF THE FOLLOWING LIFTS.
9. THE COMPACTON SHALL BE ACCOMPLISHED BY PLACING THE MATERIAL IN 8" LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO THE SPECIFIED DENSITY OR AS DIRECTED BY THE SOILS ENGINEER. FIELD DENSITY TESTS SHALL BE PERFORMED ON EACH LIFT AS NECESSARY TO INSURE THAT ADEQUATE MOISTURE CONDITIONS ARE BEING ACHIEVED. ANY FAILED DENSITY TESTS SHALL BE RETAKEN AT THE SAME LOCATION, AFTER CORRECTIVE MEASURES, UNTIL PASSING RESULTS ARE OBTAINED.
10. SOILS EXPOSED IN THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGES IN CONDITION SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. SURFACE RUN-OFF WATER SHALL BE DRAINED AWAY FROM THE EXCAVATION AND NOT ALLOWED TO POND. IF POSSIBLE, ALL FOOTING CONCRETE SHOULD BE POURED THE SAME DAY THE EXCAVATION IS MADE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED.
11. REMOVE AND REPLACE WITH CONTROLLED FILL ANY AREAS THAT HAVE BEEN SOFTENED BY RAINS, FREEZING, CONSTRUCTION EQUIPMENT, ETC.
12. OVERLOT GRADING OR MASS FILLING SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS PERTAINING TO THE SITE. BACKFILL OR MASS FILL WITHIN BUILDING PAD AREAS SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S REQUIREMENTS OR AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
13. MATERIALS WHICH INHIBIT DRAINAGE, SUCH AS CLAY OR ORGANIC SOILS, SHALL NOT BE PLACED UNDER PROPOSED RETENTION POND BOTTOMS. CONTRACTOR SHALL NOT ALLOW HEAVY EQUIPMENT TO COMPACT SOILS IN THE BOTTOM OF THE RETENTION POND. 3" OF TOPSOIL SHALL BE PLACED AT RETENTION POND AREAS OVER EXISTING UNCOMPACTED SOILS AND SEEDED AS DETAILED ON THE LANDSCAPE PLAN.
14. ALL FILL FOR THIS PROJECT MUST BE OBTAINED AND PLACED BY THE EXCAVATION CONTRACTOR. ALL REQUIRED FILL SHALL BE SELECTED EXCAVATED MATERIAL FROM THE SITE APPROVED BY THE ENGINEER, OR INDOT STRUCTURAL BACKFILL MATERIAL. EXCESS FILL SHALL BE REMOVED FROM SITE BY THE EXCAVATION CONTRACTOR AS DIRECTED BY THE OWNER AFTER SUBSTANTIAL COMPLETION. NOTE: NO BORROW OR SOIL REMOVAL ARRANGEMENTS HAVE BEEN PREARRANGED BY THE OWNER, AND IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION CONTRACTOR TO COORDINATE WITH THE OWNER. ENCOUNTERED TOPSOIL MATERIALS SHALL BE STOCKPILED SEPARATELY FOR REUSE AT AREAS TO SUPPORT VEGETATION. NO EARTH MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO RECEIVING PERMISSION FROM THE OWNER/ENGINEER.
15. ALL GRANULAR FILL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR (ASTM D1557) DENSITY. ALL SUBGRADE AND SUBBASE MATERIALS SHALL BE COMPACTED TO 98% MODIFIED PROCTOR (ASTM D1557) DENSITY BEFORE PARKING LOT AND DRIVEWAY ASPHALT PLACEMENT.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROCTOR TESTING AND IN-PLACE DENSITY TESTING OF COMPACTED AGGREGATE SUBBASE AS SPECIFIED BY THE GEOTECHNICAL ENGINEER. NO PAVEMENT MATERIAL SHALL BE PLACED ON COMPACTED AGGREGATE PRIOR TO THE GEOTECHNICAL ENGINEER'S APPROVAL OF SUBBASE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK REQUIRED TO REACH AN ACCEPTABLE MOISTURE CONTENT AT ANY TIME PRIOR TO PAVING (I.E. WETTING OR AERATING OF SUBBASE) AS PER INDOT SPECIFICATIONS. THIS SHALL ALSO APPLY TO THE CONTROL OF MOISTURE CONTENT ON SUBGRADE AND COMPACTED FILL.
17. ALL TOPSOIL AND OTHER UNSUITABLE MATERIAL LOCATED BENEATH THE PROPOSED PAVEMENT AND BUILDING AREA SHALL BE REMOVED. ALL TOPSOIL REMOVED MAY BE STOCKPILED AND REUSED AS TOPSOIL SURFACE - 6". THE SURFACE SOIL MATERIALS IN THE FLOOR SLAB AND PAVEMENT AREAS OF THE SITE SHALL BE STRIPPED AND REMOVED FROM THE CONSTRUCTION AREAS. THE EXPOSED SUBGRADE SHALL BE VISUALLY EXAMINED AND PROOF ROLLED WITH A MEDIUM WEIGHT VIBRATORY ROLLER. ANY UNSUITABLE MATERIALS (I.E., ACCUMULATIONS OF FROZEN SOIL, TOPSOIL, NON-SOIL FILL, SOFT OR LOOSE MATERIALS, ETC.) THUS EXPOSED SHOULD BE REMOVED AND REPLACED WITH A WELL COMPACTED, STRUCTURAL BACKFILL AS DEFINED BY INDOT.
18. SUBGRADE FOR ALL PAVEMENT SHALL BE PROOF-ROLLED PRIOR TO PAVING. ANY ENCOUNTERED "PUMPING" AREAS SHALL BE UNDERCUT AND BACKFILLED WITH STRUCTURAL BACKFILL AT THE NEAT LINE LIMITS AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING PONDING OF STORM WATER ON SUBGRADE AND SUBBASE.
19. CONCRETE TESTING - CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING ENGINEER TO VERIFY THAT THE SLUMP & AIR ENTRAINMENT MEET CURRENT & APPLICABLE INDOT STANDARDS. CONTRACTOR TO PROVIDE (3) CYLINDER SAMPLES FROM EACH DAY'S POUR, OR FOR EACH 50 C.Y. OF CONCRETE POURED AND SHALL PERFORM CYLINDER TESTING TO VERIFY STRENGTH REQUIREMENTS AND REPORT PROMPTLY TO OWNER.
20. THE CONTRACTOR SHALL CONSTRUCT THE INTERIOR BUILDING FLOOR SLAB TO AVOID DETRIMENTAL DIFFERENTIAL MOISTURE AND TEMPERATURE CONDITIONS BETWEEN TOP AND BOTTOM OF SLAB DURING CONCRETE CURING, SO AS TO AVOID SLAB CURLING.

## SITE UTILITY NOTES

1. DESIGN, INSTALLATION AND SPECIFICATION FOR IMPROVEMENTS RELATED TO GAS, TELEPHONE, ELECTRIC AND CABLE TELEVISION SERVICES SHALL BE COORDINATED BY THE CONTRACTOR. APPROVAL OF THE DESIGN, SCHEDULE, AND INSTALLATION SHALL BE BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL COORDINATE TELEPHONE, ELECTRIC, AND CABLE TELEVISION CONDUITS WITH THE APPROPRIATE UTILITY PRIOR TO PAVEMENT INSTALLATION.
3. CONTRACTOR IS TO UNCOVER AND CONFIRM ALL TAP LOCATIONS. LOCATION DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
4. MAINTAIN 10' MINIMUM HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION BETWEEN WATER UTILITIES AND SANITARY SEWER AND/OR STORM SEWER.
5. COMMERCIAL WATER SERVICES SHALL BE FITTED WITH EITHER INTERIOR OR EXTERIOR BACKFLOW PREVENTION DEVICES. EXTERIOR BACKFLOW PREVENTION DEVICES ARE TO BE PLACED IN ABOVE GROUND ENCLOSURES THAT ARE INSULATED AND HEATED TO RESIST FREEZING.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, TAP FEES, METER DEPOSITS, PERMANENT UTILITY APPLICATIONS, BONDS, AND ALL FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
7. SANITARY SEWER UTILITY SERVICE LATERALS SHALL BE A MINIMUM OF 6" IN DIAMETER AND LAID WITH A MINIMUM SLOPE TO PERMIT A 2.0 FT/SEC CLEANING VELOCITY. (I.E. 6" PIPE REQUIRES 0.6% SLOPE).
8. ANY SANITARY SEWER, SANITARY SEWER SERVICE LEADS, WATER MAIN, WATER SERVICES, AND/OR STORM SEWER WHICH IS DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED TO THE OWNER OR OWNER'S REPRESENTATIVE'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. UTILITY TRENCHES SHALL BE BACKFILLED WITH GRANULAR MATERIAL AND COMPACTED IN 8" TYPICAL LIFTS TO 98% STANDARD PROCTOR DENSITY.
10. MANHOLE AND CATCH BASIN STRUCTURES SHALL BE PRE-CAST AND HAVE A MAXIMUM OF 2 ADJUSTING RINGS FOR FINISH GRADE ADJUSTMENT.
11. SANITARY AND STORM PIPE SHALL BE SDR35 PVC WITH BELL AND SPIGOT JOINTS AND CONFORM TO ASTM D3034.
12. THE CONTRACTOR SHALL COORDINATE THE SANITARY SEWER SERVICE LOCATIONS WITH THE ARCHITECTURAL PLANS.
13. INCIDENTAL TO ALL UTILITY PIPE WORK SHALL BE STRUCTURAL BACKFILL BEDDING AND BACK FILL. EXISTING MATERIAL SHALL NOT BE ALLOWED FOR PIPE BACKFILL UNLESS APPROVED IN WRITING FOR SPECIFIC LOCATIONS BY THE ENGINEER.
14. ALL MANHOLE, CATCH BASIN, AND INLET CASTINGS SHALL BE BICYCLE SAFE.

## EROSION CONTROL NOTES

1. THE CONTRACTOR IS ADVISED THAT THE WORK MUST BE DONE IN COMPLIANCE WITH THE FOLLOWING SPECIFICATIONS, SOME OF WHICH RESULT FROM THE REQUIREMENTS OF THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT'S STORM WATER PERMITS SECTION. AN APPROVED PERMIT FROM THIS AGENCY IS NOT REQUIRED FOR THIS PROJECT, BUT THAT DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO ADEQUATELY CONTROL SOIL EROSION AND SEDIMENTATION IN ACCORDANCE WITH LOCAL STANDARDS AND THE INDIANA STORMWATER QUALITY MANUAL.
2. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL PRACTICES WEEKLY AND WITHIN 24 HOURS AFTER STORM EVENTS OF 1/2" OR MORE PRECIPITATION OR AFTER HEAVY USE AND REPAIR IMMEDIATELY.
3. THE CONTRACTOR SHALL KEEP A LOG OF THE CONTRACTOR'S INSPECTION OF TEMPORARY EROSION CONTROL MEASURES. THE LOG SHALL BE AVAILABLE AT THE JOB SITE FIELD OFFICE DURING ALL WORK DAY HOURS FOR REVIEW BY VISITING IDEM INSPECTORS, SWCD INSPECTORS, CITY INSPECTORS AND THE ENGINEER. THE LOG SHALL BE BRIEF, BUT SHALL INCLUDE THE NAME OF CONTRACTOR'S INSPECTOR, DATE OF INSPECTION, MAN HOURS OF CONTRACTOR'S INSPECTION TIME AND COMMENTS ON ANY AND ALL FAILED OR FAILING EROSION CONTROL FEATURES ALONG WITH THE MEASURES TAKEN FOR PROMPT CORRECTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES UNTIL COMPLETION OF PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH UTILITIES WITH RESPECT TO AVOIDING CONFLICTS AND DISTURBANCE OF SERVICES.
6. THE CONTRACTOR SHALL HAVE ON FILE, AT THE SITE, THE "INDIANA STORM WATER QUALITY MANUAL."
7. THE CONTRACTOR SHALL CLEAN OUT ALL CATCH BASINS AND STORM SEWER UPON COMPLETION OF THE PROJECT.
8. THE CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL AND REMOVE EXCESS FROM SITE TO A PROPERLY PERMITTED SITE AS APPROVED BY THE OWNER UPON SUBSTANTIAL COMPLETION OF THE WORK.
9. ANY TOPSOIL STOCKPILES ARE TO BE PROTECTED FROM EROSION. TEMPORARY TOPSOIL STOCKPILES WILL BE PERMITTED IN AREAS APPROVED BY THE ENGINEER.
10. THE CONTRACTOR SHALL CONTROL DUST ON THE PROJECT SITE WHEN NECESSARY USING METHODS WHICH COMPLY WITH THE "INDIANA STORM WATER QUALITY MANUAL."
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND CONTAINING OF LIQUID OR SOLUBLE CONSTRUCTION MATERIALS FOR THE PROTECTION OF THE GROUNDWATER RESOURCE. ANY ACCIDENTAL SPILLAGE SHALL BE CLEANED UP IMMEDIATELY BY ACCEPTABLE MEANS, REGARDLESS OF THE TIME OF DAY OR DAY OF WEEK.
12. THE CONTRACTOR IS ADVISED THAT THE ENVIRONMENTAL REVIEW FOR THIS PROJECT HAS DETERMINED THAT THE PROJECT HAS LIMITED POTENTIAL TO ADVERSELY AFFECT THE WATER BEARING AQUIFER. THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO AVOID THE CREATION OF THE POTENTIAL FOR STORM WATER TO ENTER THE GROUNDWATER.
13. STOCKPILES OF EARTH MATERIALS SHALL BE SHAPED AS PER STATE STANDARDS. TOPSOIL MATERIALS SHALL BE STOCKPILED SEPARATELY FROM OTHER SOILS.
14. THE CONTRACTOR SHALL REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
15. THE CONTRACTOR SHALL PERMANENTLY SEED, FERTILIZE, AND MULCH ALL FINAL GRADE AREAS (I.E., LANDSCAPE BERMS, RETENTION SWALES, ETC.) AS EACH IS COMPLETED. SEEDING, FERTILIZING, AND MULCHING SHALL BE IN COMPLIANCE WITH THE "INDIANA STORM WATER QUALITY MANUAL."
16. TEMPORARY GRASS SEEDING SHALL BE PERFORMED ON ALL AREAS SCHEDULED, OR LIKELY, TO REMAIN INACTIVE FOR A PERIOD OF 15 DAYS OR MORE. TEMPORARY SEEDING SHALL BE INCIDENTAL TO THE CONTRACT AND SHALL INCLUDE THE FOLLOWING SPECIES AND RATES:

SEEDS	RATE/ACRE	OPTIMUM PLANTING
WHEAT OR RYE	150#	9/15 TO 10/30
SPRING OATS	100#	3/1 TO 4/15
ANNUAL RYE GRASS	40#	3/1 TO 5/1, 8/1 TO 9/1

A FERTILIZER APPLICATION OF 400#/ACRE OF 12-12-12 ANALYSES MATERIAL SHALL ACCOMPANY THE SEEDING APPLICATION. MULCHING OF TEMPORARY SEEDING SHALL BE 'AS NEEDED'.

17. PERMANENT SEEDING SHALL BE INDOT TYPE "R" MULCHED SEEDING AS PER CURRENT INDOT STANDARD SPECIFICATIONS. PERMANENT SEEDING SHOULD BE APPLIED FROM MARCH 1ST THRU MAY 10TH OR FROM AUGUST 10TH THRU SEPTEMBER 30TH, ANY PERMANENT SEEDING BETWEEN JUNE 1ST AND AUGUST 10TH MUST BE IRRIGATED TO ALLOW FOR PROPER SEED GERMINATION.
18. SEEDING SHALL BE DONE PROMPTLY AND PROGRESSIVELY AS WORK IS COMPLETED IN ORDER TO ALLOW FOR THE EARLIEST POSSIBLE ESTABLISHMENT OF STABILIZED GRASS. MULTIPLE MOBILIZATIONS FOR THE SEEDING OF SPECIFIC SECTIONS SHALL BE INCLUDED IN THE WORK.
19. THE JOB WIDE SEQUENCE OF GENERAL WORK OPERATIONS RELATING TO EARTH DISTURBING ACTIVITIES SHALL BE SUCH AS TO PREVENT THE POTENTIAL FOR EROSION AND SEDIMENTATION. THE SEQUENCE SHALL BE GENERALLY AS FOLLOWS, WHILE ALSO CONSIDERING MAINTENANCE OF TRAFFIC:
  - A. SITE CLEARING AND BUILDING DEMOLITION
  - B. TEMPORARY SEEDING AS NEEDED - INCIDENTAL APPLICATIONS THROUGHOUT CONSTRUCTION
  - C. UNDERGROUND CONSTRUCTION
  - D. ROUGH GRADING/FINE GRADING
  - E. BUILDING CONSTRUCTION
  - F. PAVEMENT CONSTRUCTION
  - G. COMPLETION OF PERMANENT SEEDING
  - H. MISCELLANEOUS CONSTRUCTION
  - I. FINAL CLEANUP
20. TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AT THE TIME OF SITE CLEARING AS EARLY IN THE ABOVE SEQUENCE AS NEEDED, AND SHALL BE MAINTAINED THROUGHOUT THE SEQUENCE AS NEEDED. DURING THE COURSE OF WORK, CLEANUP SHALL BE DONE AS NEEDED AND AS DIRECTED TO AVOID EROSION AND SEDIMENTATION.
21. THE EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN SHALL BE CONSIDERED A MINIMUM APPLICATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES AS NEEDED THROUGHOUT THE CONSTRUCTION.
22. THE CONTRACTOR SHALL LOCATE AND MAINTAIN A CONCRETE WASHOUT AREA FOR THE DURATION OF CONCRETE POURING ACTIVITIES. THE CONTRACTOR SHALL REMOVE ALL DRIED CONCRETE FROM THE WASHOUT AREA BY THE END OF THE PROJECT.
23. THE CONTRACTOR SHALL AVOID UNNECESSARILY DISTURBING OR REMOVING EXISTING VEGETATED TOPSOIL OR EARTH COVER ALONG THE PROJECT PERIMETER. THESE AREAS ACT AS SEDIMENT FILTERS.
24. ALL TEMPORARY SOIL EROSION AND SEDIMENTATION PROTECTION SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF THE WORK AND THE AFFILIATED AREA IS PERMANENTLY STABILIZED.
25. REMOVAL OF TEMPORARY EROSION AND SEDIMENTATION PROTECTION IS REQUIRED FOR FINAL PROJECT ACCEPTANCE.

## SITE PLAN NOTES

1. ALL SITE IMPROVEMENTS ARE DIMENSIONED TO THE BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. RADII ARE MEASURED TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
2. HEIGHT, STYLE AND DESIGN OF BUILDING FACADE AND ELEVATIONS WILL BE AS PER THE ARCHITECTURAL PLANS.
3. TEMPORARY PROJECT IDENTIFICATION SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
4. ALL SITE SIGNAGE SHALL BE AS SHOWN, OR AT THE OWNER'S DIRECTION.
5. INTERIOR TRAFFIC CIRCULATION SIGNS SHOWN FOR LOCATION ONLY - OWNER TO SELECT MATERIAL AND DESIGN.
6. PAVEMENT MARKINGS FOR PARKING AND RESTRICTING AREAS SHALL BE A 30 MIL APPLICATION OF CHLORINATED RUBBER TRAFFIC MARKING PAINT, AND OF SUFFICIENT APPEARANCE AS APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE. INSUFFICIENT PAVEMENT MARKINGS SHALL BE REDONE AS DEEMED NECESSARY BY THE OWNER OR OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE. ALL LINES SHALL BE 4" WIDE, STRAIGHT, EVENLY SPACED, AND UNIFORM IN LENGTH.
7. ALL HANDICAPPED SIGNAGE SHALL COMPLY WITH THE STATE OF INDIANA'S BARRIER FREE DESIGN REQUIREMENTS AND THE AMERICANS WITH DISABILITIES ACT.

REV	DESCRIPTION	BY	DATE

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PRELIMINARY  
FOR REVIEW  
PURPOSES  
ONLY

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SPECIFICATIONS

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DATE: JANUARY 2017
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SCALE: NONE
G-102