GENERAL CONSTRUCTION REQUIREMENTS:

1. THE OWNER/ENGINEER SHALL BE NOTIFIED 24 HOURS PRIOR TO PLACEMENT OF ANY FILL MATERIAL, CONCRETE CURB & GUTTER, PLACEMENT OF CRUSHED STONE OR ASPHALT/CONCRETE. THE SUBGRADE SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF CURB AND GUTTER OR CRUSHED STONE.

2. EARTHWORK EQUIPMENT SHALL INCLUDE AN APPROPRIATE SIZE VIBRATORY SHEEPS FOOT COMPACTOR, WATER TRUCK AND MOTOR PATROL.

3. ALL FILL MATERIAL PLACED WITHIN THE LIMITS OF THE BUILDING OR PARKING LOT SHALL BE PLACED IN LIFT THICKNESSES NOT EXCEEDING 10" AND EACH LIFT COMPACTED WITH A SHEEPS FOOT ROLLER (COMPACTION WITH TRACK EQUIPMENT OR OTHER EQUIPMENT NOT SPECIFICALLY DESIGNED FOR EARTHWORK COMPACTION IS NOT SUITABLE) TO 95% MODIFIED PROCTOR DENSITY. FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE IN BUILDING OR PARKING LOT SUBGRADE (NO TOP SOIL OR ORGANIC MATERIAL SHALL BE INCLUDED IN THE FILL MATERIAL). THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE PLUS OR MINUS 3% OF OPTIMUM.

4. PRIOR TO PLACEMENT OF THE CRUSHED STONE BASE COURSE THE SUBGRADE MUST BE VERIFIED TO CONFORM TO THE PROPER SHAPE AND GRADE AND MUST FIELD DEMONSTRATE THAT IT IS FIRM AND UNYIELDING TO THE PASSAGE OF EQUIPMENT OVER THE SUBGRADE.

5. EXPANSION JOINTS (1/2" PREMOLDED MATERIAL) SHALL BE PLACED IN THE CONCRETE CURB AND GUTTER ON EACH SIDE OF DRAINAGE STRUCTURES, AT THE END OF EACH RADIUS TURNOUTS AND AT MAXIMUM 100 FOOT SPACING THROUGHOUT THE LENGTH OF THE CURB & GUTTER. EXPANSION JOINTS (1/2" PREMOULDED MATERIAL) SHALL BE PROVIDED IN THE SIDEWALK WHERE ABUTTING DRIVEWAYS, CONCRETE CURB AND GUTTER OR OTHER RIGID ITEMS AND AT 100 FOOT MAXIMUM SPACING THROUGHOUT THE LENGTH OF THE SIDEWALK.

6. CRUSHED STONE BASE COURSE SHALL CONFORM TO THE REQUIREMENT FOR CLASS 7 AGGREGRATE BASE COURSE AS DESCRIBED IN SECTION 303–AGREGATE BASE COURSE OF THE ARKANSAS HIGHWAY DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION".

7. ASPHALT SHALL CONFORM TO TYPE 3 ASPHALT SURFACE COURSE AS DESCRIBED IN SECTION 407–AGREGATE BASE COURSE OF THE ARKANSAS HIGHWAY DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION".

8. ALL MUD, SOIL AND LOOSE GRAVEL SHALL BE REMOVED FROM THE CRUSHED STONE BASE AND CONCRETE CURB AND GUTTER PRIOR TO PLACEMENT OF ASPHALT.

9. STORM DRAINAGE PIPES, DITCHES AND DRAINAGE STRUCTURES MUST BE FREE OF SEDIMENTS, TRASH, DEBRIS AND PONDING WATER PRIOR TO APPROVAL OF SUBSTANTIAL COMPLETION.

11. PRIOR TO THE PLACEMENT OF CONCRETE FOR CURB INLETS, BOX CULVERTS OR OTHER CONCRETE STRUCTURES, THE CONTRACTOR SHALL PROVIDE 24 HOUR NOTICE OF HIS DESIRE TO PLACE CONCRETE AND REQUEST THAT THE ENGINEER INSPECT HIS REINFORCING STEEL AND FORMING TO VERIFT CONFORMANCE WITH THE PLANS. CONCRETE PLACED WITHOUT THE ENGINEERS INSPECTION TO VERIFY REINFORCING STEEL PLACEMENT AND CONCRETE THICKNESS WILL NOT BE ACCEPTED AND SHALL BE TORN OUT AND RECONSTRUCTED.

12. ALL CONCRETE FORMS SHALL BE REMOVED.

13. CONSTRUCTION SHALL NOT COMMENCE ON THIS PROJECT UNTIL A STORM WATER POLLUTION PREVENTION PERMIT HAS BEEN OBTAINED FROM ADEQ. IN ACCORDANCE WITH THE PERMIT A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON THE SITE AND ALL STORM WATER POLLUTION PREVENTION MEASURES SHALL BE IMPLEMENTED AND MAINTAINED.

QUALITY CONTROL REQUIREMENTS

THE CONTRACTOR WILL SECURE THE SERVICES OF AN INDEPENDENT TESTING CONSULTANT AND PROVIDE TEST AND CERTIFICATIONS IN ACCORDANCE WITH THE FOLLOWING:

BUILDING AND PARKING LOT SUBGRADE:
1. A minimum of 95% Modified Proctor Density is required for building and parking lot subgrades.
2. Field density tests are required in fill areas of the building subgrade in the presence of the City of Jonesboro permits department Designated Representative. Density test locations and quantities as required by the City. All other areas of building and parking lot subgrade will be wetted and proof rolled with a loaded dump truck in the presence of the Owner and/or Engineer prior to placement of crushed stone base.
3. If a subgrade density test is less than the minimum required the area will be repaired and an additional test will be provided on the recompacted area.
4. The contractor is required to coordinate the scheduling of the testing with the City and Engineer identifying the location of the test(s).
5. A minimum of one density test will be required in a building subgrade fill area.
6. The shape and elevation of the subgrade shall be verified by providing field surveys setting points at the proper location and elevation.

CRUSHED STONE BASE COURSE FOR PARKING LOT
1. A minimum of 95% Modified Proctor Density is required for the parking lot compacted crushed stone base course.
2. Parking lot crushed stone base course will be wetted and proof–rolled with a loaded dump truck in the presence of the Owner and/or Engineer prior to placement of asphalt surface course.
3. Field density tests (95% minimum) may be required by the Owner/Engineer if pumping is observed following proof–rolling.
4. Plant certification and test results shall be submitted verifying the material conforms to the gradation and AHTD specification for the material specified.

ASPHALT OR CONCRETE PAVEMENT
1. The Contractor will coordinate the placement of asphalt or concrete pavement with the Onwer/Engineer prior to placement. If the thickness of the pavement is questionable shall be field verified by coring the pavement.
2. Pavement corings will be required for areas of substandard pavement thicknesses (test location determined by Onwer/Engineer).
2. The test will be performed at locations identified in the field by the Owner/Engineer or his representative and shall be performed in the presence of the Owner/Engineer or his designated representative.
3. Substandard asphalt pavement thickness may be corrected by a minimum 1" thick overlay over an area as approved by the Owner/Engineer.
4. Substandard concrete thickness shall be removed and reconstructed.
5. Asphalt density test may be required if in the opinion of the Owner/Engineer substandard compaction is being achieved.

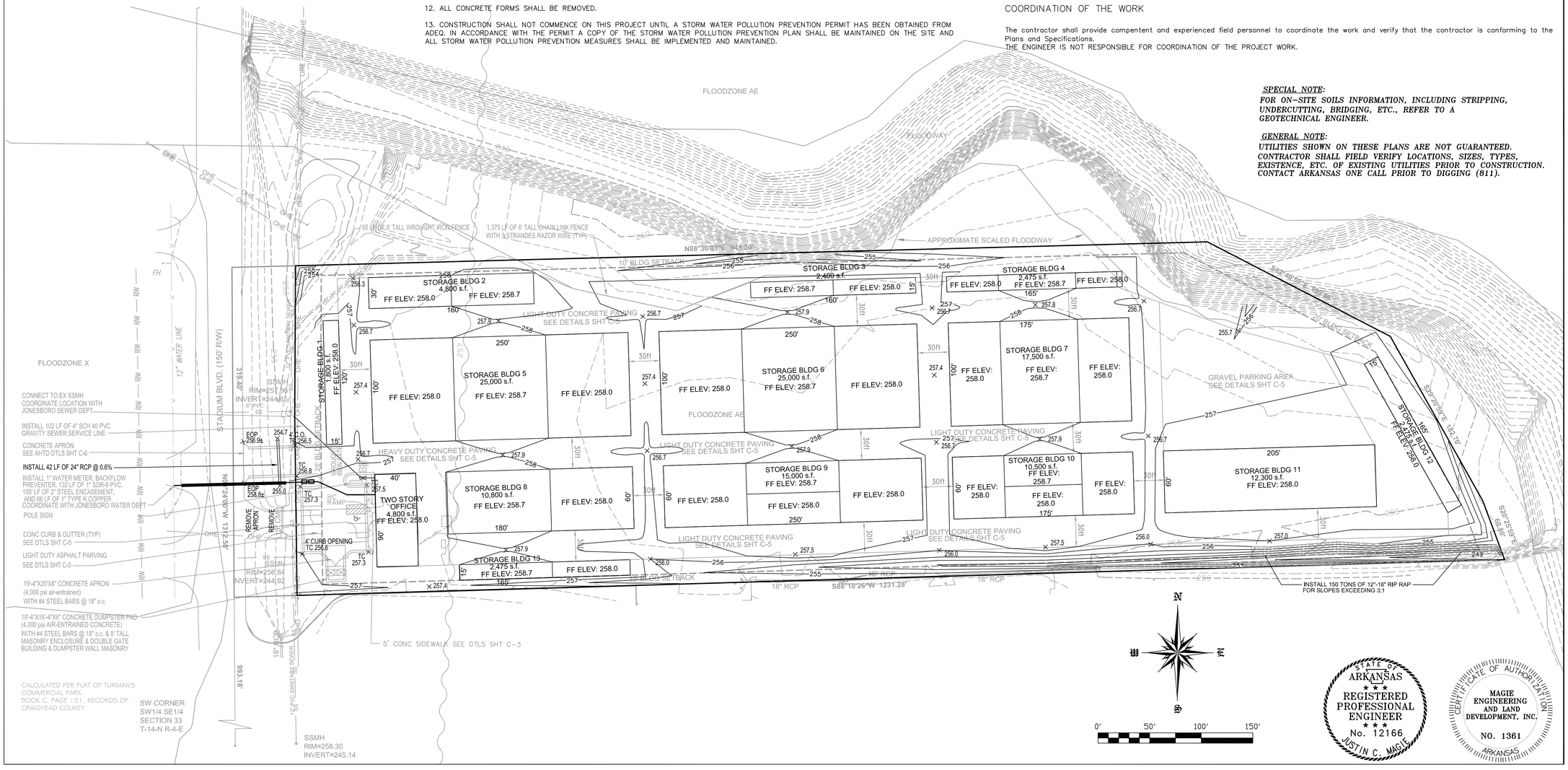
For Notification of Needed Inspection Contact:
Magie Engineering and Land Development, Inc.
803 Harkrider, Suite 201
Conway, Arkansas 72032
Phone 501–450–7676 Fax 501–450–7635

COORDINATION OF THE WORK

The contractor shall provide compentent and experienced field personnel to coordinate the work and verify that the contractor is conforming to the Plans and Specifications.
THE ENGINEER IS NOT RESPONSIBLE FOR COORDINATION OF THE PROJECT WORK.

SPECIAL NOTE:
FOR ON–SITE SOILS INFORMATION, INCLUDING STRIPPING, UNDERCUTTING, BRIDGING, ETC., REFER TO A GEOTECHNICAL ENGINEER.

GENERAL NOTE:
UTILITIES SHOWN ON THESE PLANS ARE NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY LOCATIONS, SIZES, TYPES, EXISTENCE, ETC. OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTACT ARKANSAS ONE CALL PRIOR TO DIGGING (811).



STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 12166
JUSTIN C. MAGIE

CERTIFICATE OF AUTHORIZATION
MAGIE ENGINEERING AND LAND DEVELOPMENT, INC.
NO. 1361
ARKANSAS

MAGIE ENGINEERING & LAND DEVELOPMENT, INC.
915 OAK STREET, SUITE 102
CONWAY, AR 72032
PHONE: (501) 450–7676 FAX: (501) 450–7635

GRADING PLAN

STADIUM BLVD STORAGE
3912 STADIUM BLVD
JONESBORO, AR 72401

DRAWN BY:	JM
REVIEWED BY:	JM
APPROVED BY:	JM
SCALE:	1"=50'
DATE:	MAY 2017
PROJECT NO.	17–005
SHEET NO.	C–2