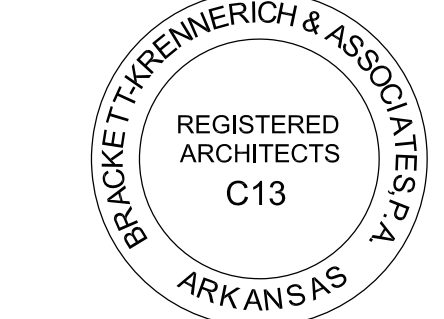




# CITY OF JONESBORO JONESBORO SHOOTING SPORTS COMPLEX Range Building, Phase IIC Jonesboro, Arkansas



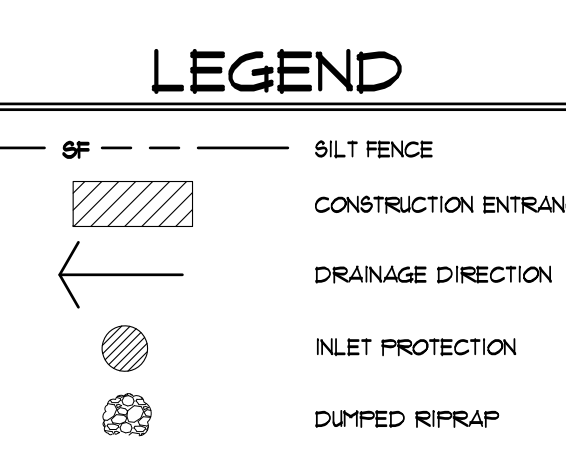
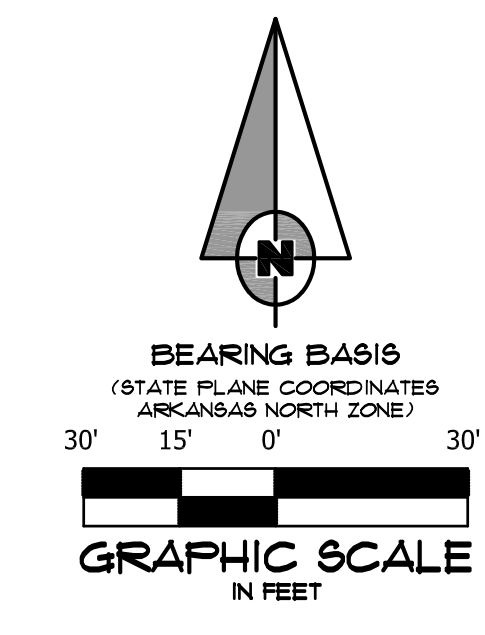
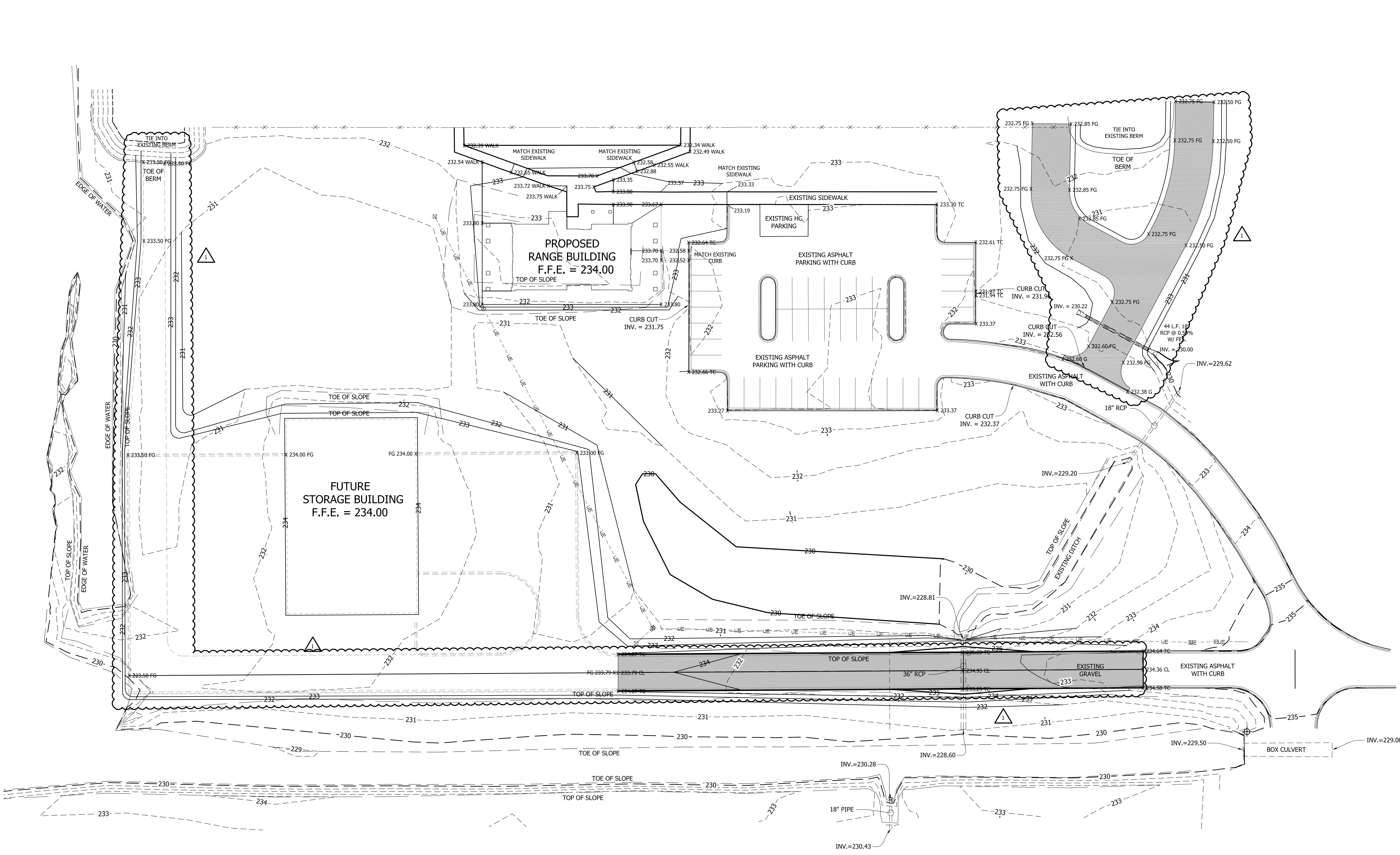
Revision Schedule	Revised by



Commission Number  
12015-2C

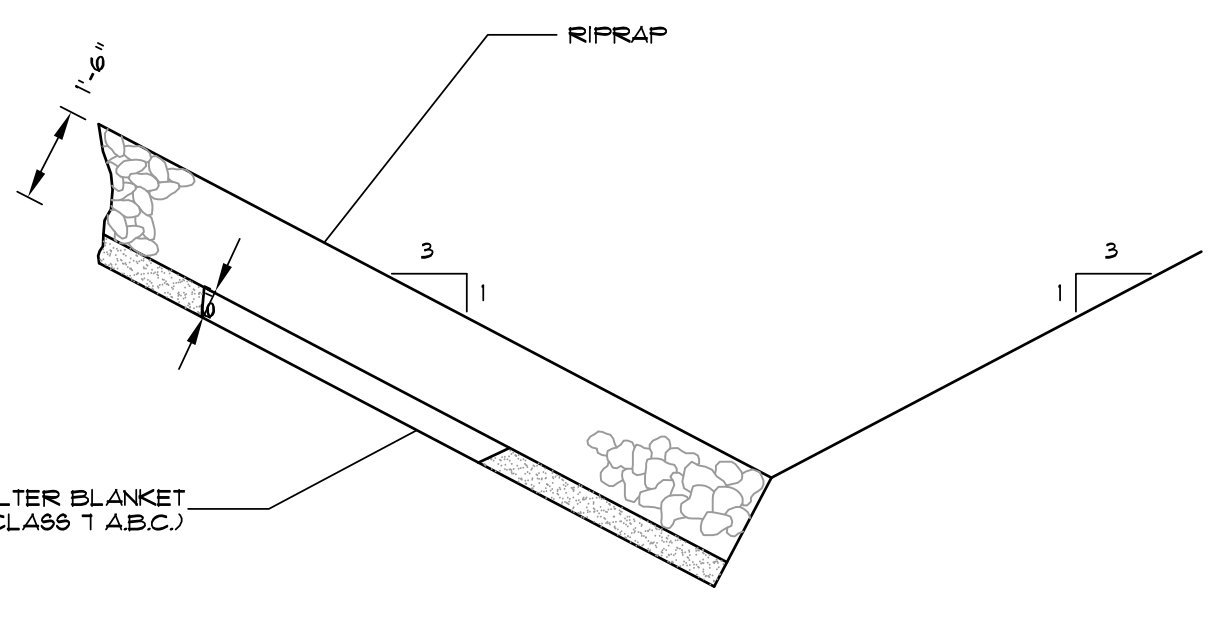
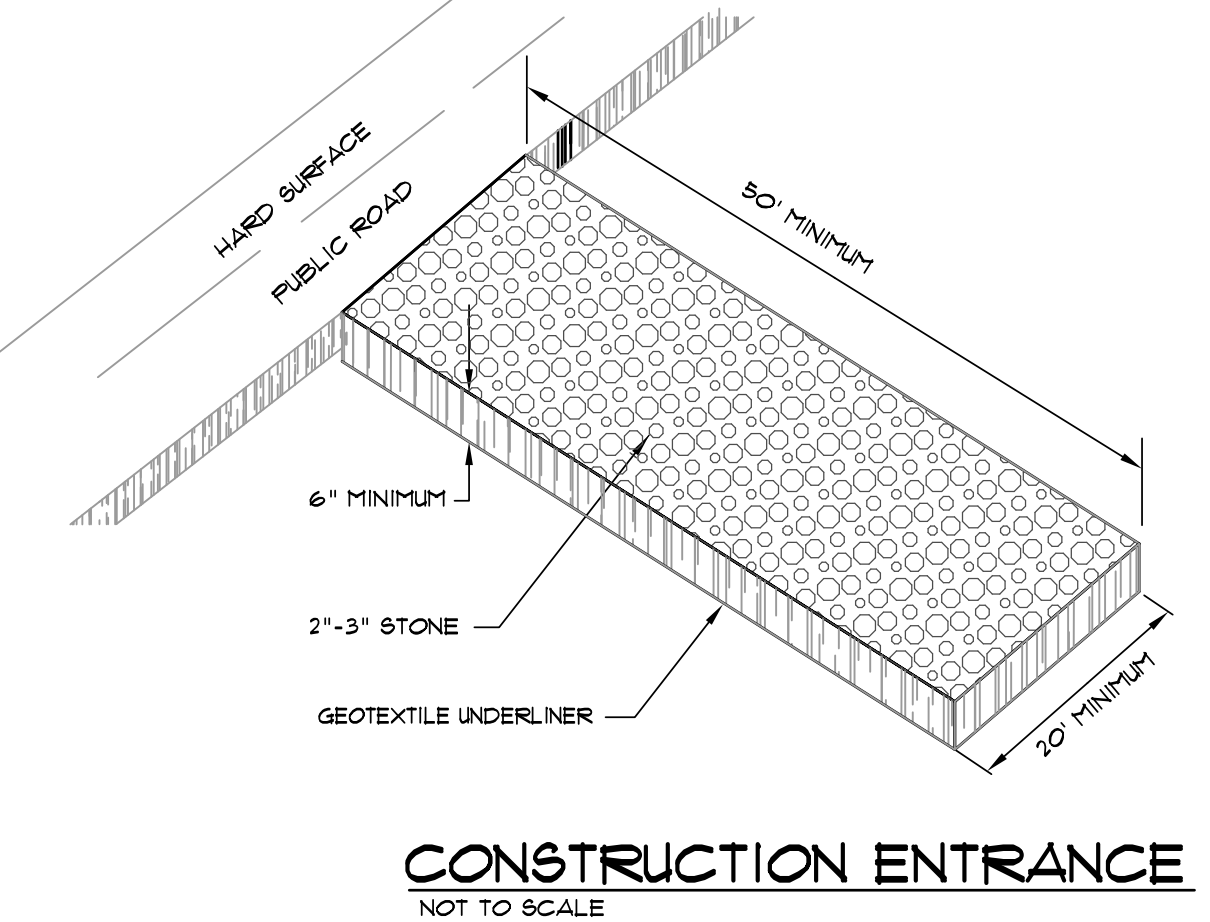
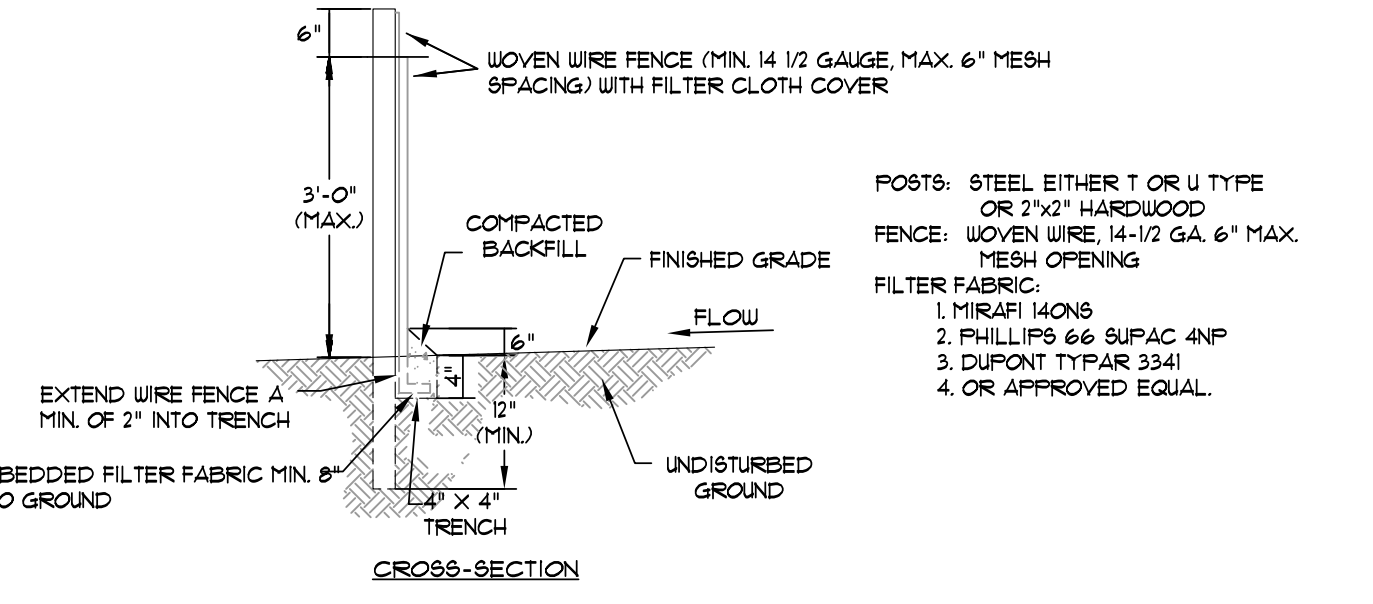
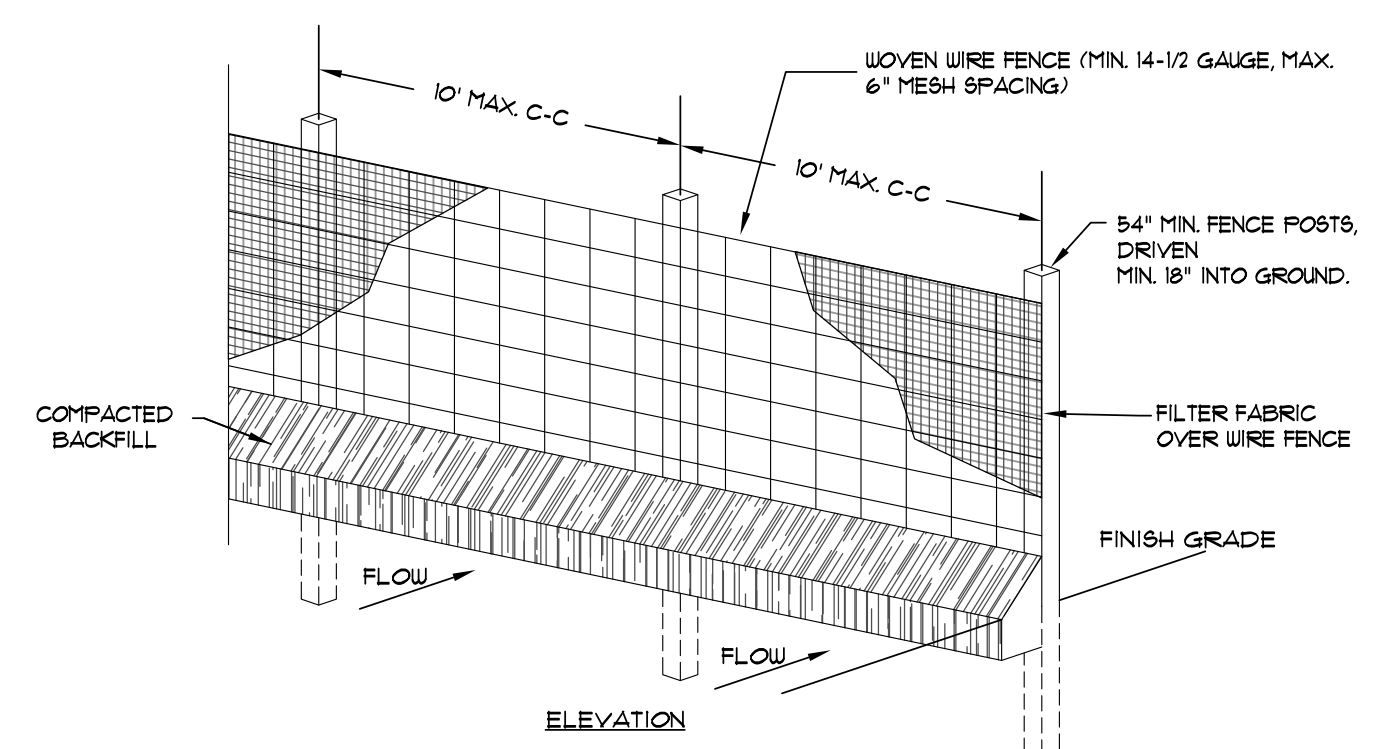
## CR003

Date: March 26, 2021



- ### SITE NOTES
- ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.
  - CURB RETURN RADIUS SHALL BE 5' UNLESS OTHERWISE NOTED.
  - PROJECT SITE IS CURRENTLY RESIDENTIAL.
  - THROUGHOUT ALL EXCAVATION ACTIVITIES, POSITIVE DRAINAGE SHALL BE MAINTAINED WITH MINIMUM SLOPES OF 0.5% OR GREATER AND SURFACE DRAINAGE GENERALLY IN THE DIRECTION PROVIDED BY EXISTING TOPOGRAPHY.
  - WORK SHALL PROGRESS IN SUCH A MANNER AS TO ALLOW THE EXISTING VEGETATION TO REMAIN AS LONG AS POSSIBLE, CONSISTENT WITH THE SCOPE OF WORK.
  - ALL ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ALL DIRECTIONS.
  - ALL SPOT ELEVATIONS ARE AS SHOWN.
  - REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIAL AS SHOWN IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS.
  - ACCESS ALONG ROADWAY SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION IN CITY, COUNTY OR STATE RIGHT OF WAY SHALL BE COORDINATED WITH THE RESPECTIVE AUTHORITY.
  - TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION OPERATIONS.

- ### EROSION CONTROL MEASURES
- THE PURPOSE OF THIS PLAN IS TO ESTABLISH MINIMUM EROSION CONTROL MEASURES. THIS PLAN IS NOT INTENDED TO COVER ALL MEASURES BUT TO SUPPLEMENT, EXPAND OR FULFILL THE REQUIREMENTS OF THE STATE OF ARKANSAS NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT).
  - SILT FENCING SHALL BE PLACED ALONG THE LIMITS OF CONSTRUCTION AND AROUND EACH DRAINAGE STRUCTURE PRIOR TO CONSTRUCTION.
  - GRAVEL CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AT PROPOSED DRIVEWAY LOCATIONS TO PREVENT TRANSPORT OF SEDIMENT OFF SITE. WHEEL WASH FACILITIES MAY BE REQUIRED.
  - THE OWNER SHALL BE RESPONSIBLE FOR INSTALLING ALL EROSION CONTROL MEASURES AND FACILITIES IN GOOD WORKING CONDITION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ANY FAILURES IN THE MEASURES MUST BE IMMEDIATELY REPAIRED. EROSION CONTROL MEASURES AND FACILITIES SHALL BE FREQUENTLY INSPECTED FOR COMPLIANCE. FAILURE TO INSTALL OR MAINTAIN THESE FACILITIES MAY RESULT IN DENIAL OF BUILDING INSPECTIONS UNTIL ALL PROBLEMS ARE CORRECTED. CONTRACTORS SHALL BE HELD ACCOUNTABLE FOR CONSTRUCTION VEHICLES TRACKING DIRT AND MUD ONTO PUBLIC STREETS. CONTRACTORS SHALL PUT INTO PLACE APPROPRIATE FACILITIES TO CLEAN VEHICLES BEFORE THEY ENTER STREETS. THE CONTRACTOR SHALL FREQUENTLY SUEP THE ACCESS STREETS.
  - THE OWNER SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT WITH THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ).
  - DUST SHALL BE KEPT TO A MINIMUM. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED LIQUIDS FOR DUST SUPPRESSION ARE PROHIBITED.
  - ALL WORK ON THIS SITE PERTAINING TO EXCAVATION AND DRAINAGE SHALL BE IN ACCORDANCE WITH THIS PLAN AND THE APPLICABLE PROVISIONS OF THE CITY OF JONESBORO STORM WATER MANAGEMENT REGULATIONS.
  - ADDITIONAL CONTROLS MAY BE REQUIRED BY THE CITY OF JONESBORO AND ADEQ DURING CONSTRUCTION GUIDELINES ESTABLISHED BY THE SOIL CONSERVATION SERVICE MAY BE REQUIRED FOR REEDED OPERATIONS IF DETERMINED NECESSARY.



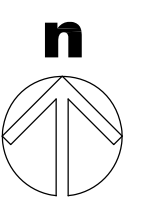
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6\"/>
- MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

**SILT FENCE**  
NOT TO SCALE

**CONSTRUCTION ENTRANCE**  
NOT TO SCALE

**SECTION - DUMPED RIPRAP**  
TOE EXCAVATION IN SOIL

**TYPICAL DRIVEWAY SECTION**



## grading and erosion control plan

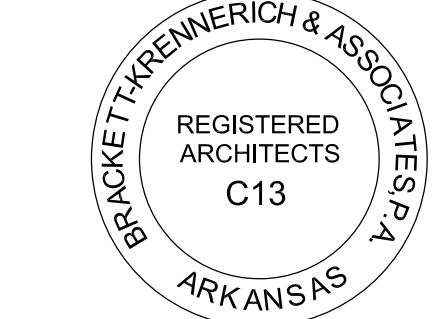
SCALE: 1" = 30'



**CITY OF JONESBORO**  
**JONESBORO SHOOTING SPORTS COMPLEX**  
Range Building, Phase IIC  
Jonesboro, Arkansas



Revision Schedule	Revised by	Rev. Date
1	UE	2021-04-16



Commission Number  
12015-2C

**CR004**

Date: March 26, 2021

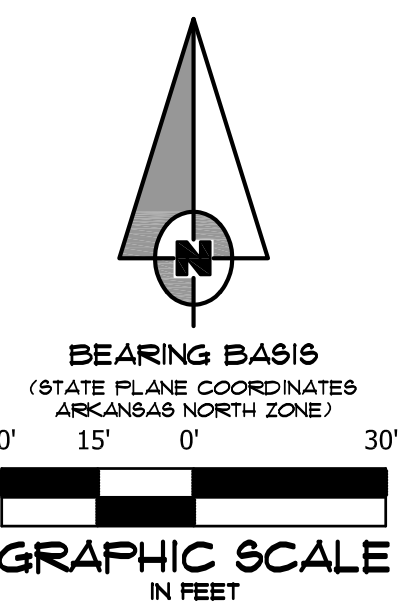
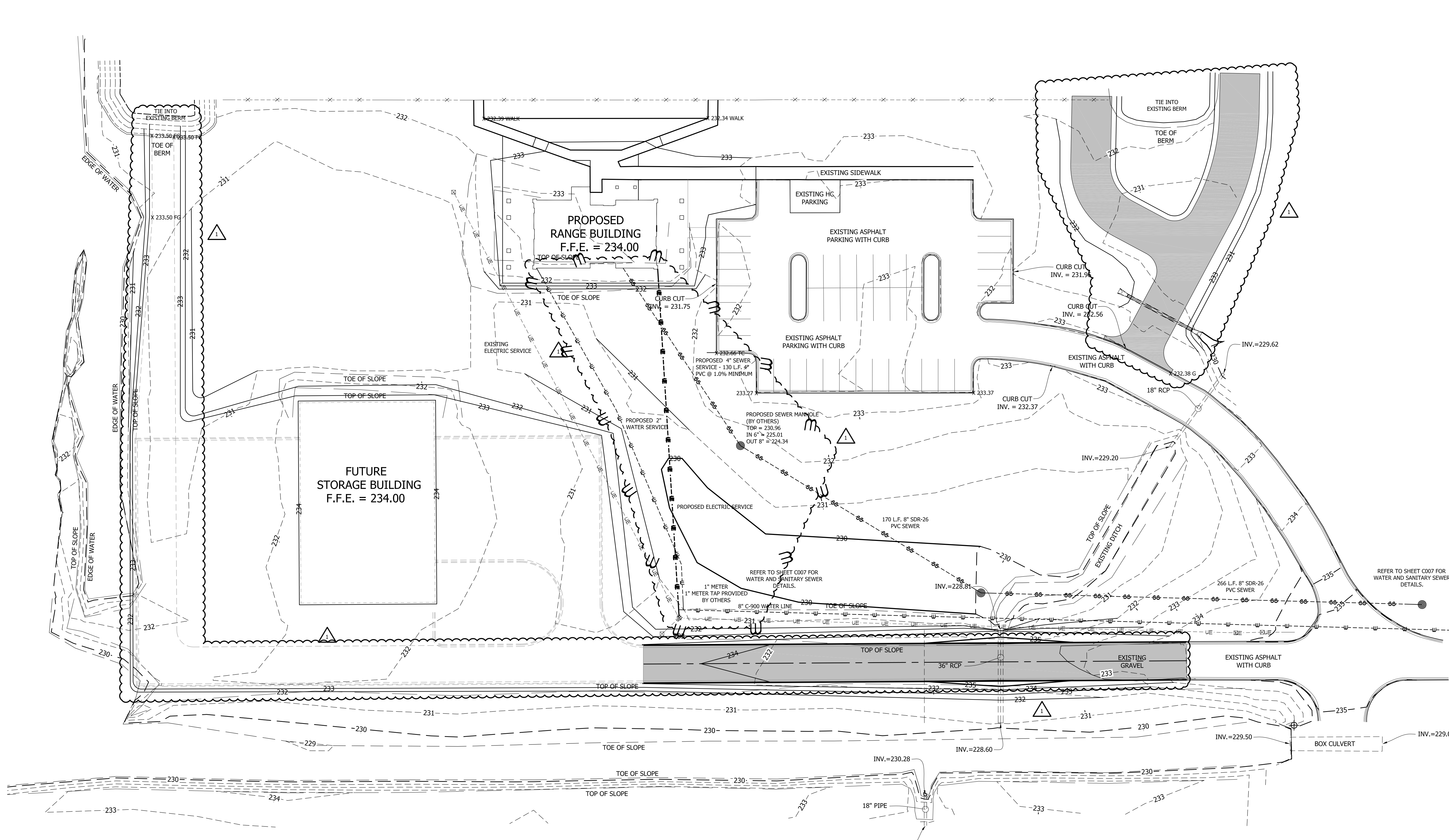
www.bkarch.com

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870-932-0571

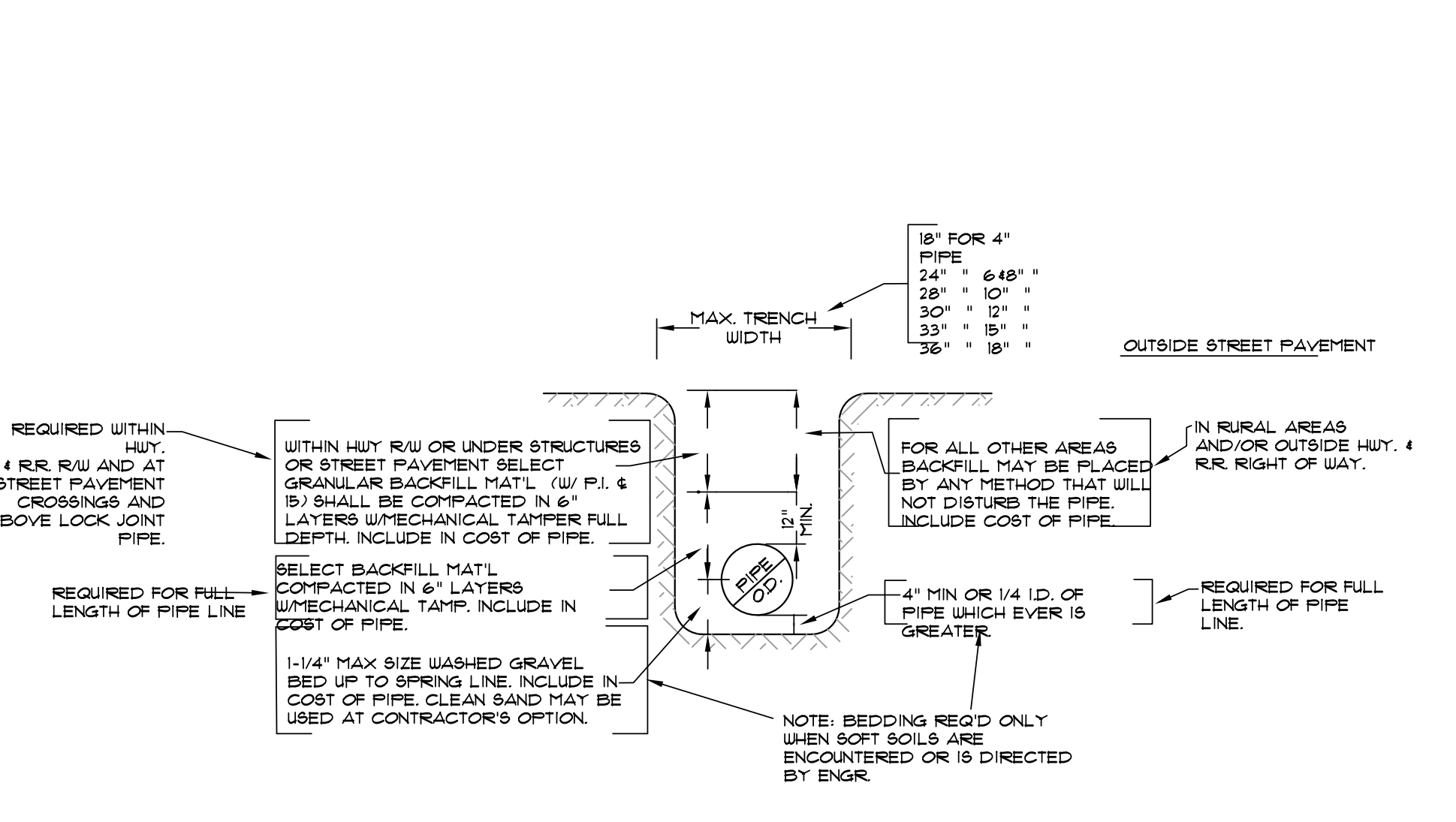
100 East Hummingbird Ave., Suite D, P.O. Box 1655

UTILITY PLAN

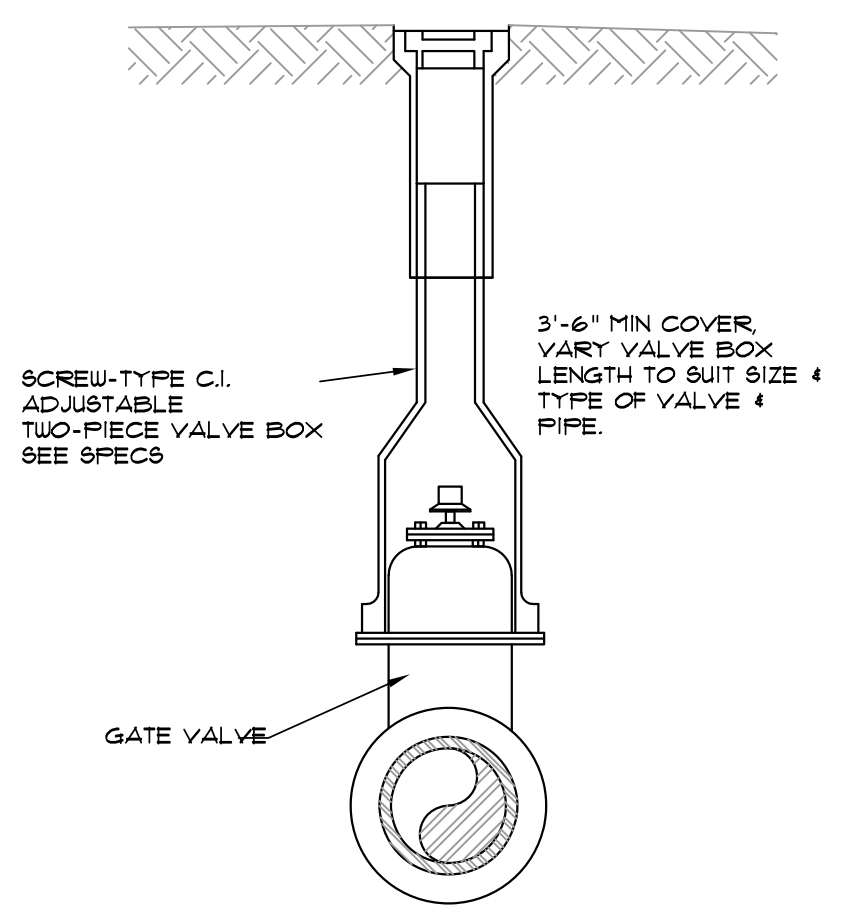


**GENERAL UTILITY NOTES**

- ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND REFER TO MSL DATUM.
- VERTICAL DATUM REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD 88).
- PIPE DISTANCE (SHOWN ARE TO CENTER OF STRUCTURES).
- ALL WATER LINES (SERVICE) SHALL BE 4" PVC SCH. 40 WITH 42" MIN. COVER. VALVES, CONNECTIONS AND RELATED APPURTENANCES SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, JONESBORO CITY WATER & LIGHT SPECIFICATIONS AS WELL AS THE CITY OF JONESBORO AND INSTALLED WITH REQUIRED BEDDING AND THRUST BLOCKING.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- EXCAVATE AND VERIFY ALL UTILITY CROSSINGS AND INFORM THE OWNER'S REPRESENTATIVE OF ANY CONFLICT OR REQUIRED DEVIATION FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
- WHERE SEWER LINES PASS WITHIN 2 FT. VERTICALLY OF WATER LINES, THE SEWER LINE SHALL BE ENCASED IN WATER-TIGHT PIPE (SEE PART XIVA OF ACH RULES AND REGULATIONS PERTAINING TO PUB).
- WATER LINES AND STORM SEWER CROSSINGS SHALL MAINTAIN 36" MIN. SEPARATION IN ALL DIRECTIONS.
- THE INSTALLER OF THE SANITARY SEWER DISPOSAL SYSTEM MUST BE LICENSED IN THE STATE OF ARKANSAS TO INSTALL LOW PRESSURE PIPE SYSTEMS.
- WATER AND SEWER LINES SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION.
- THE SITE SHALL BE CONSTRUCTED TO SUBGRADE AND ALL PROPOSED FILLS SHALL BE MADE AND COMPACTED PRIOR TO CONSTRUCTION OF UTILITIES.
- LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD UTILITIES AND STRUCTURES FROM DAMAGE DURING CONSTRUCTION. THE COSTS OF SUCH PROTECTION IS INCLUDED IN THE BASE BID.
- REFER TO ARCHITECT'S PLANS FOR DETAILED UTILITY CONNECTIONS AND INFORMATION.

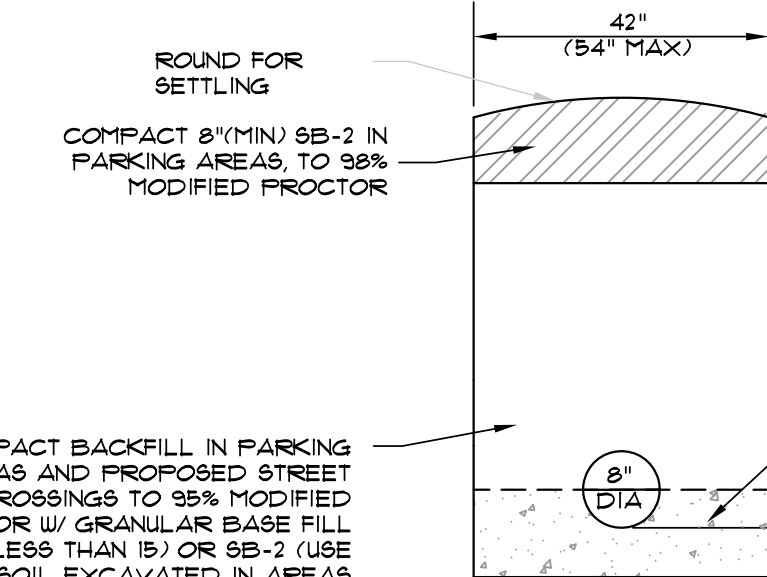


**TYPICAL WATER PIPE BEDDING AND BACKFILL DETAIL**

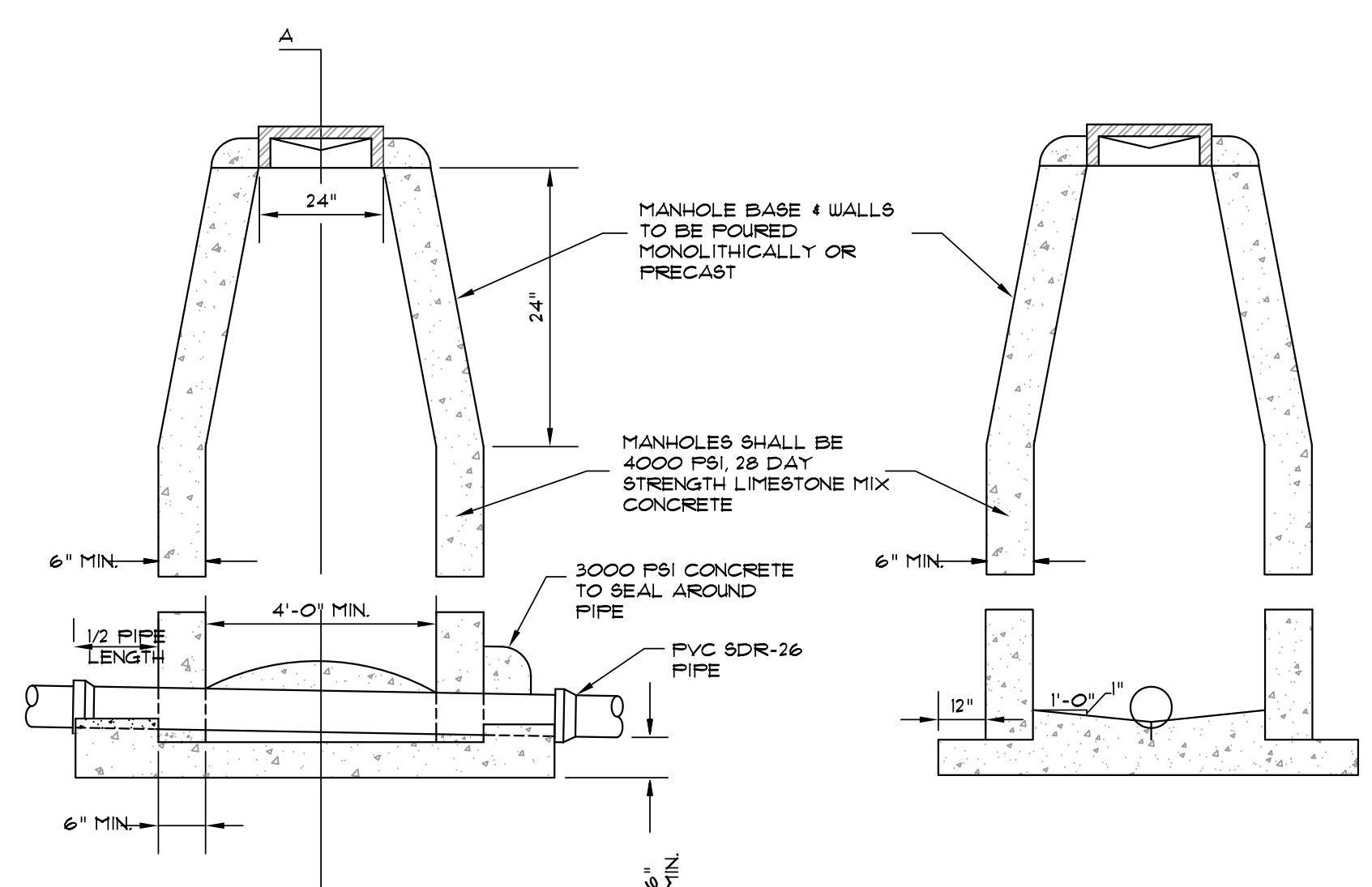


**VALVE BOX DETAIL**

- COARSE AGGREGATE SHALL BE MECHANICALLY TAMPED WHEN USED.
- PIPE IN TRENCH SHALL BE PLACED ON NO LESS THAN 4" OF 3/4" MINUS LIMESTONE. ALL OVER EXCAVATION SHALL BE COMPACTED BACK TO GRADE W/ BEDDING MATERIAL.
- PVC PIPE SHALL BE SDR-26 AND INSTALLED IN ACCORDANCE WITH UNI-BELL PVC PIPE ASSOCIATION'S RECOMMENDATIONS FOR CONSTRUCTION.



**TRENCH DETAIL (NON-EXISTING STREET LOCATIONS)**



**STANDARD MANHOLE DETAILS**

NOTE: MANHOLES SHALL BE PRECAST W/ NEOPRENE GASKETS AS APPROVED BY ENGINEER AND/OR UTILITY COMPANY.

