

FIRST NATIONAL BANK HILLTOP BRANCH & OFFICE BUILDING

3500 East Johnson Avenue, Jonesboro, Ar

W D & D J O B #16-028

ISSUE SET - BID PACKAGE 1

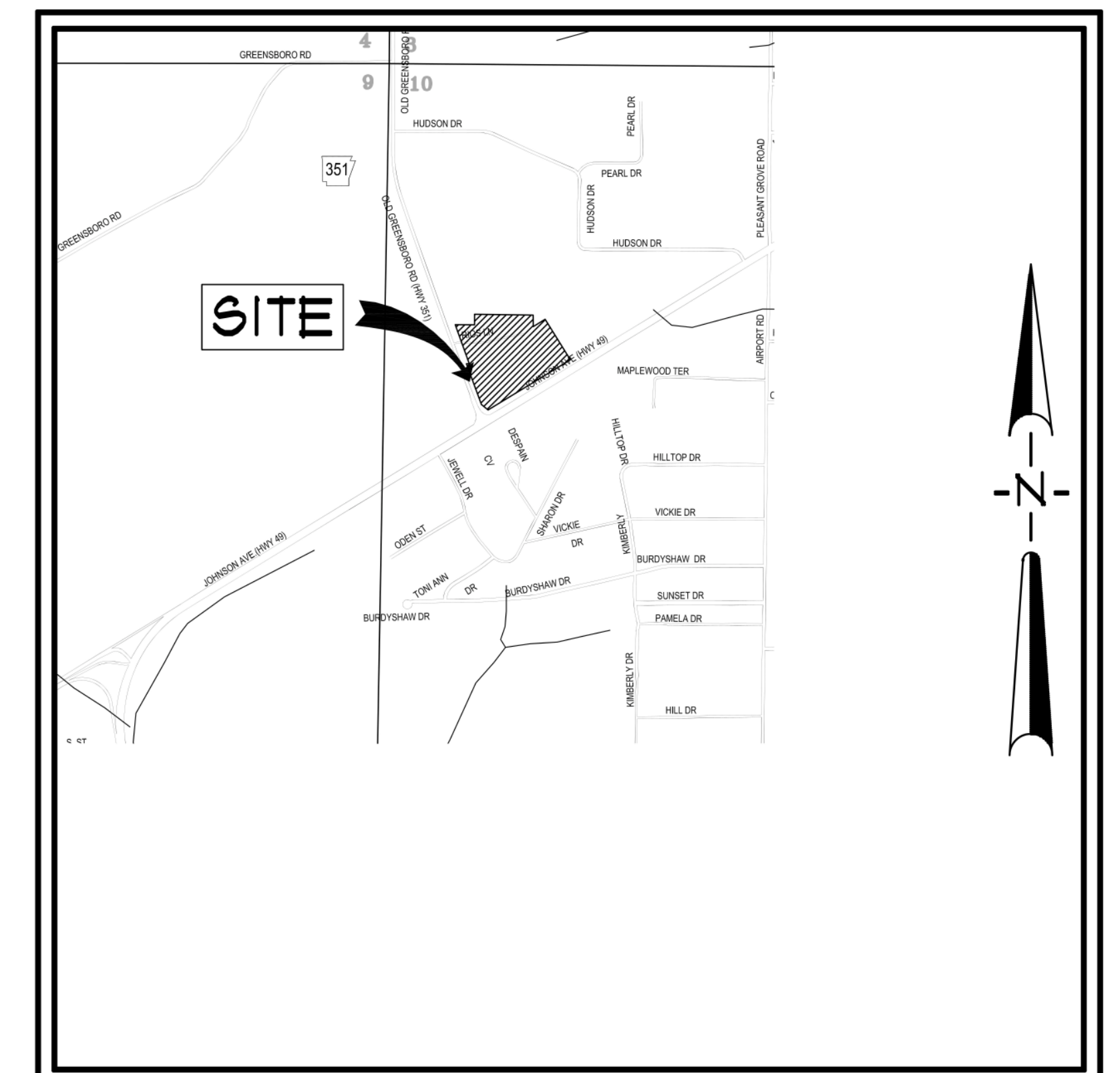
SITE GRADING & SITE IMPROVEMENTS

06/27/16

WITTENBERG, DELONY, & DAVIDSON, INC.
ARCHITECTS - INTERIOR DESIGN -
PLANNERS
400 WEST CAPITOL, SUITE 1800
LITTLE ROCK, ARKANSAS 72201-4857
PH. # 501-376-6681
FAX # 501-376-0231

Associated Engineering, LLC
CIVIL ENGINEERS
103 South Church St.
P.O. Box 1462
Jonesboro, ARKANSAS 72403
PH. # 870-932-3594
FAX # 870-935-1263

INDEX - SHEET INDEX - CIVIL	
SHEET NUMBER	SHEET NAME
C001	NOT USED
C002	GENERAL NOTES
C003	BOUNDARY & TOPOGRAPHIC SURVEY
C004	SITE PLAN
C005	DEMOLITION PLANS
C006	UTILITY PLAN
C007	GRADING PLAN
C008	EROSION CONTROL PLAN
C009	LANDSCAPE PLAN
C010	STANDARD DETAILS
C011	STANDARD DETAILS
C012	EROSION CONTROL DETAILS



VICINITY MAP

RESOURCE LIST

- CITY OF JONESBORO - PLANNING AND ZONING**
OTIS SPRIGGS, CITY PLANNER
307 VINE STREET
JONESBORO, AR 72401
870-932-0406
- CITY OF JONESBORO - ENGINEERING**
CRAIG LIGHT, P.E.
CITY ENGINEER
307 VINE STREET
JONESBORO, AR 72401
870-932-2438
- CODES DEPT. FIRE MARSHALL**
CRAIG DAVENPORT
3215 E. JOHNSON AVE.
JONESBORO, AR 72401
870-932-2438
- CITY WATER AND LIGHT - ENGINEERING**
JAKE RICE, P.E., P.S. - MANAGER
400 EAST MONROE, P.O. BOX 1289
JONESBORO, AR 72403
870-932-5581, FAX: 870-932-3303
SUSAN MIEDETH - ACTING ENGINEERING SERVICES DIRECTOR
870-930-3320
- CENTERPOINT ENERGY**
KEITH CRAIG - SERVICE TECHNICIAN
3013 OLD FREEDHOUSE ROAD
JONESBORO, AR 72404
CELL: 870-997-3750
- AT&T**
723 CHURCH, ROOM B 27
JONESBORO, AR 72403
PHIL FARLEY - AREA MANAGER INSTALLATION & REPAIR
870-972-7827, FAX: 870-972-7810
TOMMY GRAY - AREA MANAGER ENGINEERING DESIGN
870-972-7587, FAX: 870-972-7533
- SUDDEN LINK - CABLE TV**
1520 SOUTH CARAWAY ROAD
JONESBORO, AR 72401
BOB PROCK - CONSTRUCTION MANAGER
870-933-8429 EXT. 212, FAX: 870-972-8141
DEANNA HORNBACK - MANAGER
JIMMY YANCY - FIELD MANAGER
CELL: 870-219-8583

GENERAL NOTES

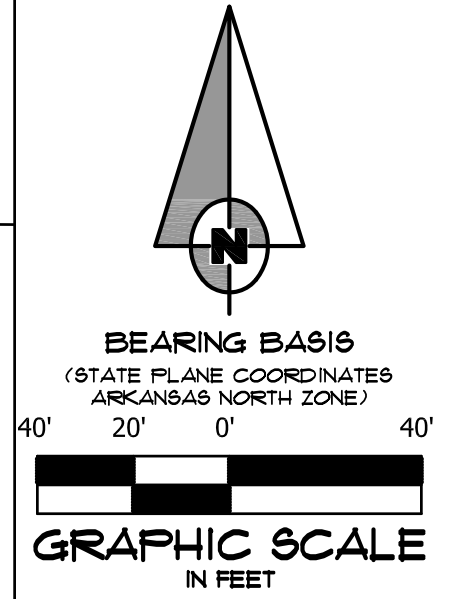
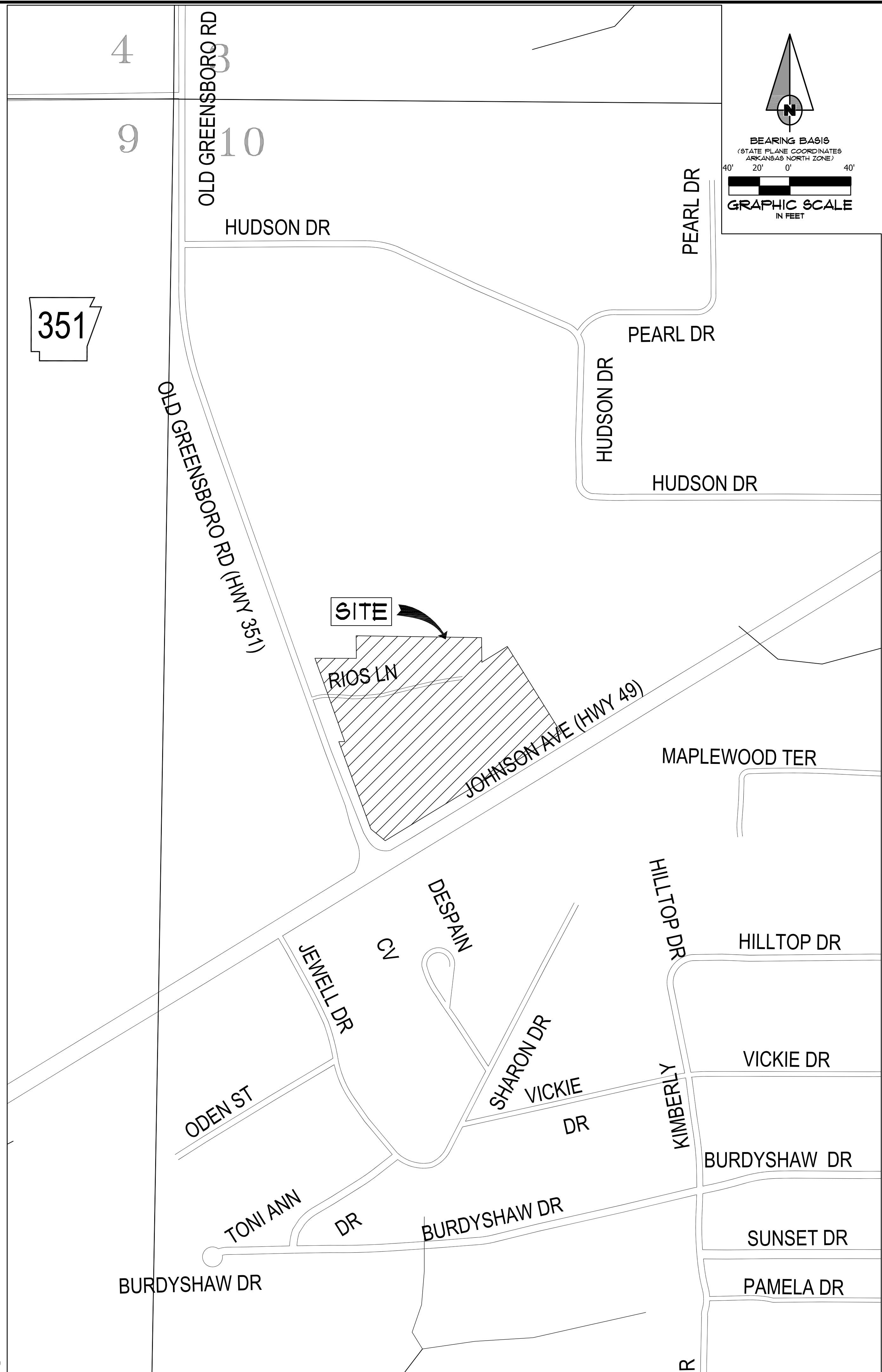
- SUBJECT PROPERTY IS LOCATED WITHIN ZONE "X", AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS DESIGNATED BY FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR THE CITY OF JONESBORO, COMMUNITY PANEL 05031004HC (PANEL 44 OF 200). EFFECTIVE DATE - SEPTEMBER 27, 1991.
- SCREENING AND BUFFERING ARE AS SHOWN.
- EASEMENTS ARE AS SHOWN.
- NO KNOWN HISTORICAL STRUCTURES ARE LOCATED ON SUBJECT PROPERTY.
- DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

BENCHMARK LIST

- ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND REFER TO MSL DATUM.
- BENCHMARK #1** IS CHISELED SQUARE IN TOP OF 3/4" RCP LOCATED APPROXIMATELY 3 FEET SOUTH AND 116 FEET EAST OF THE SOUTHEAST CORNER OF SUBJECT PROPERTY.
ELEV. = 265.94 (NAVD 88)
- BENCHMARK #2** IS CHISELED SQUARE IN CENTER OF INLET ON THE EAST SIDE OF McCLELLAN DRIVE LOCATED APPROXIMATELY 218 FEET NORTH AND 14 FEET EAST OF THE SOUTHWEST CORNER OF SUBJECT PROPERTY.
ELEV. = 214.16 (NAVD 88)

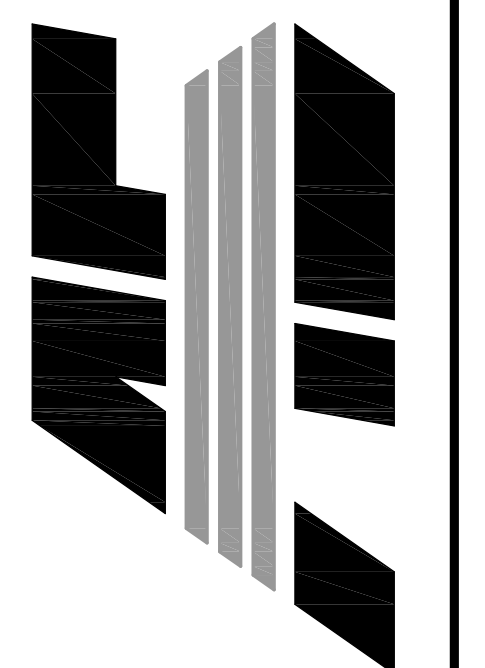
LEGEND

<ul style="list-style-type: none"> BOUNDARY LINE LOT LINES FOUND IRON PIPE FOUND COTTON-FICKER SPINDLE FOUND REBAR FOUND IRON PIPE W/ FLG XXXX CAP CITY OF JONESBORO G.P.S. MONUMENT BENCH MARK R/W MONUMENT SET 1 1/4" IRON PIPE W/ FLG #545 CAP EXISTING SANITARY SEWER LINE PROPOSED SANITARY SEWER LINE EXISTING SANITARY SEWER MANHOLE PROPOSED SANITARY SEWER MANHOLE EXISTING SANITARY SEWER CLEANOUT PROPOSED SANITARY SEWER CLEANOUT PROPOSED SANITARY SEWER SERVICE LINE EXISTING WATER LINE PROPOSED WATER LINE EXISTING WATER METER PROPOSED WATER METER WATER VALVE 	<ul style="list-style-type: none"> FIRE HYDRANT VALVE BOX FIRE PROTECTION EXISTING OVERHEAD ELECTRICAL LINE EXISTING UNDERGROUND ELECTRICAL LINE ELECTRIC TRANSFORMER/ELECTRIC METER POWER POLE POWER JUNCTION COMM. BOX SIGN LIGHTS/FLOOR LIGHTS LIGHT POLE (SINGLE) LIGHT POLE (BACK-BACK) LIGHT POLE (3 # 30') BASIN BOUNDARY TRAFFIC SIGN TRAFFIC SIGNAL TRAFFIC LIGHT CONTROL TRAFFIC SIGNAL W/ POLE EXISTING OVERHEAD COMMUNICATION LINE EXISTING UNDERGROUND COMMUNICATION LINE EXISTING GAS LINE GAS METER EXISTING STORM WATER MANHOLE 	<ul style="list-style-type: none"> GRADED INLET DOWNSPOUT SPRINKLER CONTROL MAILBOX COLUMN BOLLARD HANDICAP SIGN EXISTING FENCE LINE FINISHED GROUND CONTOUR EXISTING TREE/SHRUB BASIN BOUNDARY DRAINAGE FLOW GENERAL DRAINAGE FLOW SHALE FLOW DIRECTION SILT FENCE ROCK CHECK DAM RIP RAP AREA INLET PROTECTION ROCK CHECK DAM
--	---	--



FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HWY. 49 & HWY. 351
JONESBORO, ARKANSAS

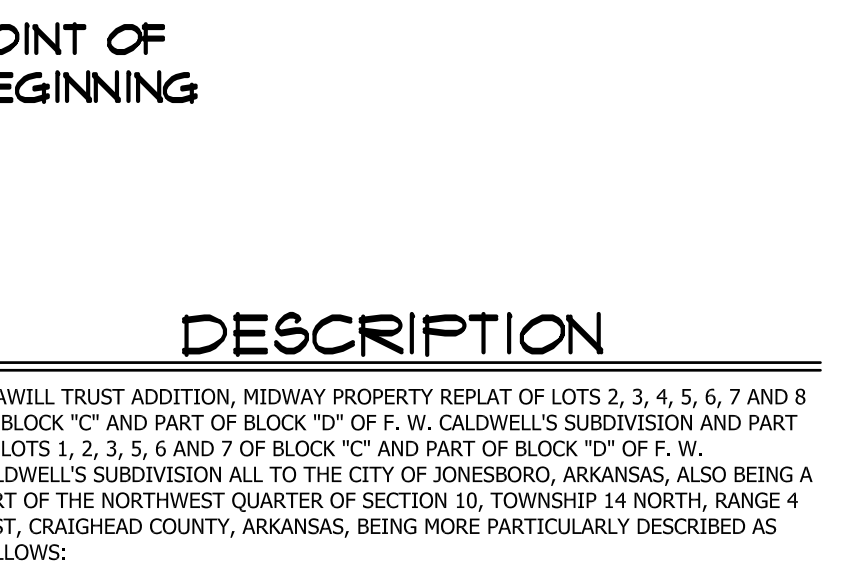
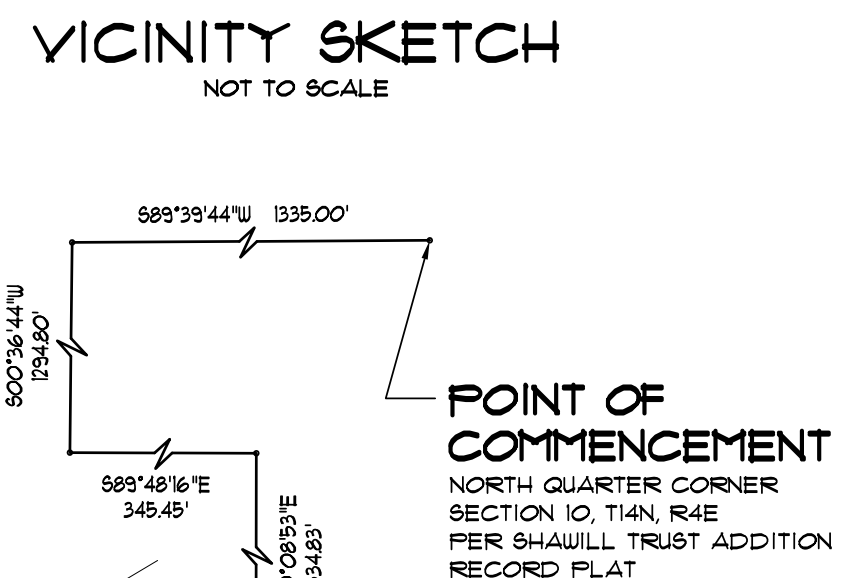
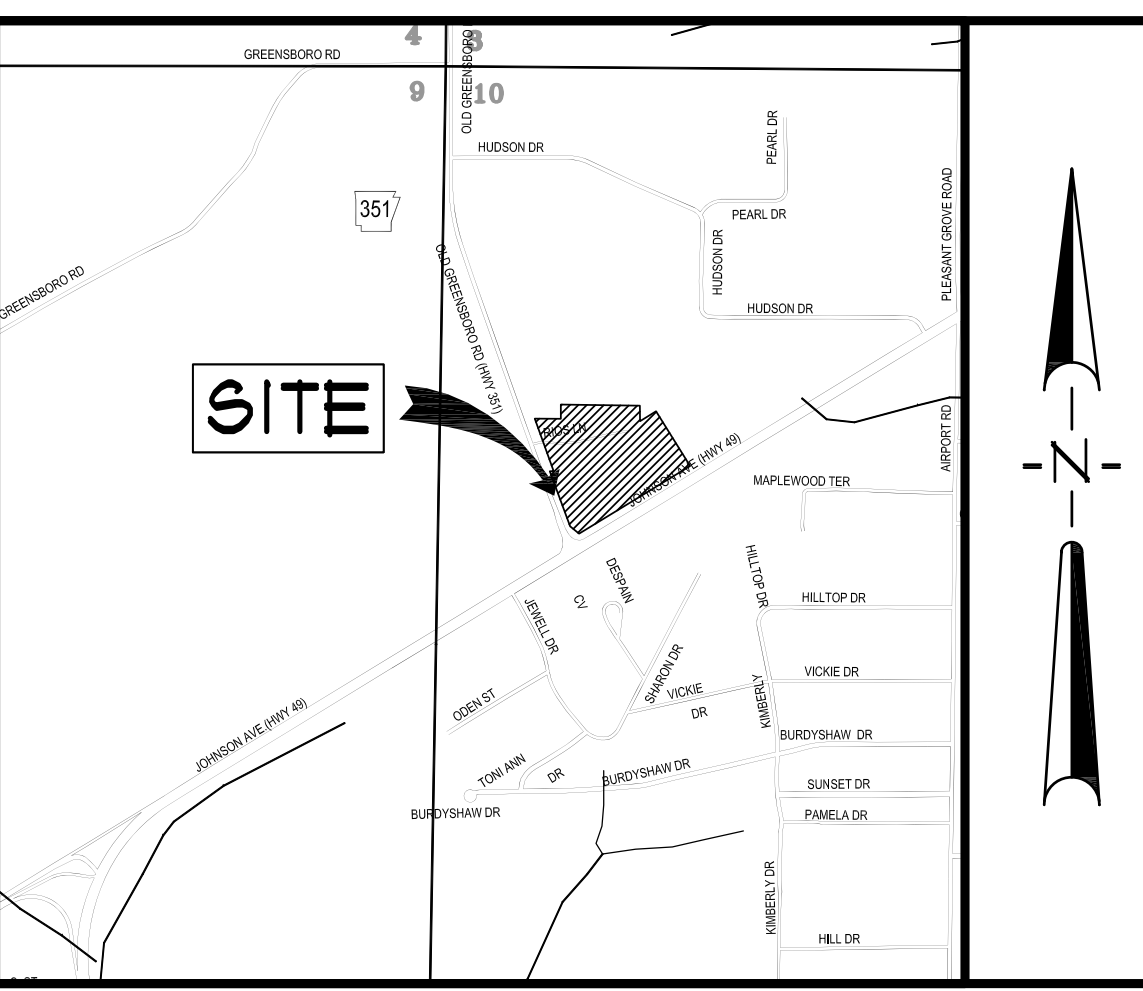
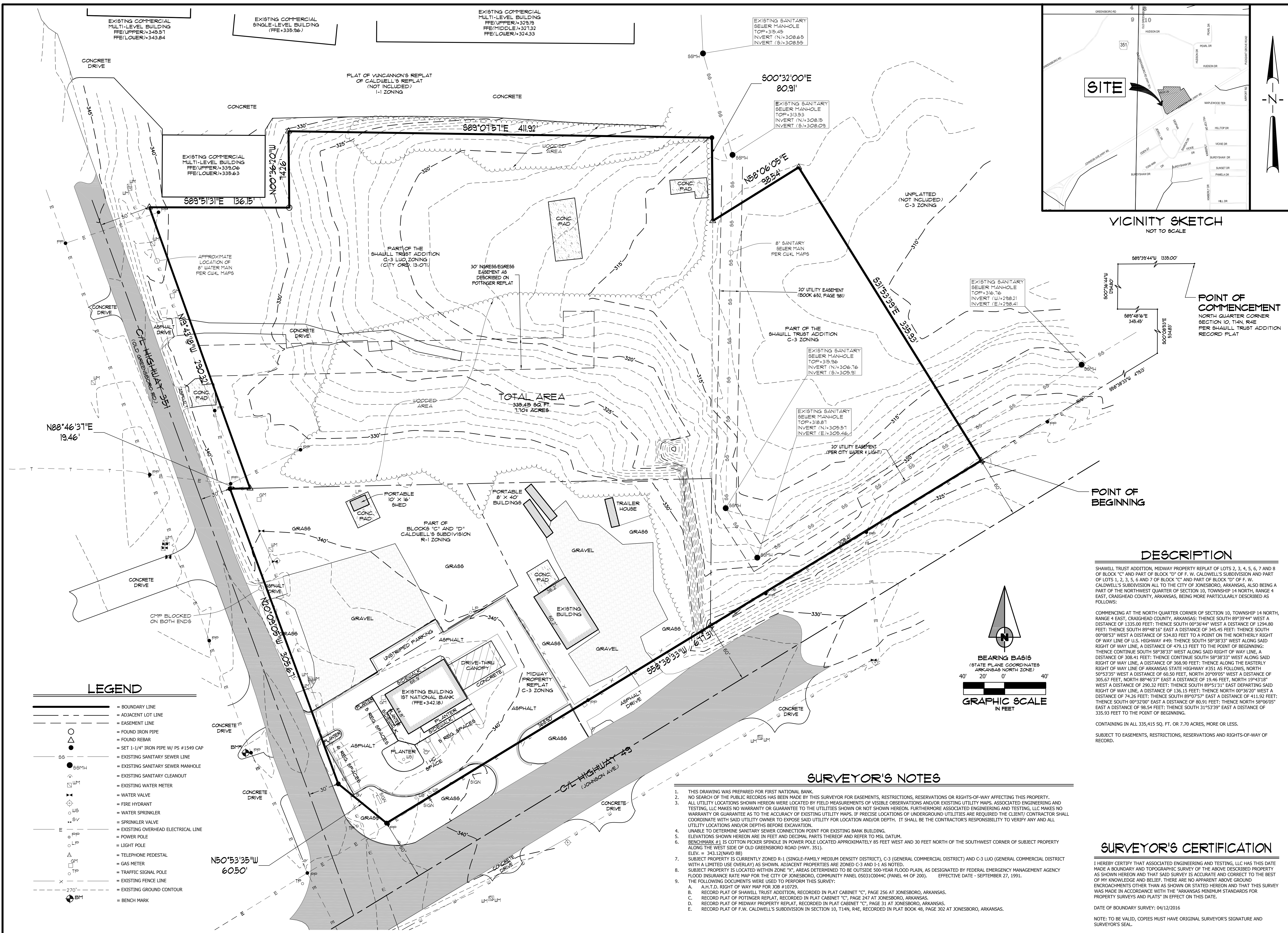
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

GENERAL NOTES

DATE: 06/27/16	DRAWN: CCH
CADD FILE: 15165-SDP	CHECKED: JME
DWG#: 0414104.000X	SHEET
SCALE: 1" = 40'	C002

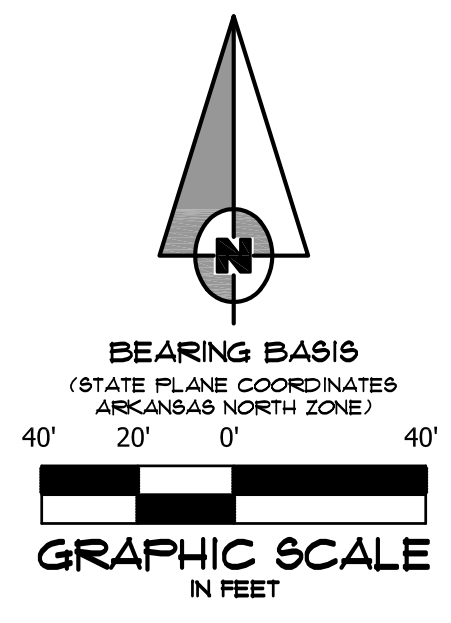


DESCRIPTION

SHAULL TRUST ADDITION, MIDWAY PROPERTY REPLAT OF LOTS 2, 3, 4, 5, 6, 7 AND 8 OF BLOCK "C" AND PART OF BLOCK "D" OF F. W. CALDWELL'S SUBDIVISION AND PART OF LOTS 1, 2, 3, 5, 6 AND 7 OF BLOCK "C" AND PART OF BLOCK "D" OF F. W. CALDWELL'S SUBDIVISION ALL TO THE CITY OF JONESBORO, ARKANSAS, ALSO BEING A PART OF THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, CRAIGHEAD COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, CRAIGHEAD COUNTY, ARKANSAS; THENCE SOUTH 89°39'44" WEST A DISTANCE OF 1335.00 FEET; THENCE SOUTH 00°30'44" WEST A DISTANCE OF 1294.80 FEET; THENCE SOUTH 89°48'10" EAST A DISTANCE OF 345.45 FEET; THENCE SOUTH 00°08'53" WEST A DISTANCE OF 534.83 FEET TO A POINT ON THE NORTHERLY RIGHT OF WAY LINE OF U.S. HIGHWAY #49; THENCE SOUTH 58°38'33" WEST ALONG SAID RIGHT OF WAY LINE, A DISTANCE OF 479.13 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 58°38'33" WEST ALONG SAID RIGHT OF WAY LINE, A DISTANCE OF 308.41 FEET; THENCE CONTINUE SOUTH 58°38'33" WEST ALONG SAID RIGHT OF WAY LINE, A DISTANCE OF 368.90 FEET; THENCE ALONG THE EASTERLY RIGHT OF WAY LINE OF ARKANSAS STATE HIGHWAY #351 AS FOLLOWS, NORTH 50°53'35" WEST A DISTANCE OF 60.50 FEET, NORTH 20°09'05" WEST A DISTANCE OF 305.67 FEET, NORTH 88°46'37" EAST A DISTANCE OF 19.46 FEET, NORTH 19°43'18" WEST A DISTANCE OF 290.32 FEET; THENCE SOUTH 89°51'31" EAST DEPARTING SAID RIGHT OF WAY LINE, A DISTANCE OF 136.15 FEET; THENCE NORTH 00°36'20" WEST A DISTANCE OF 74.26 FEET; THENCE SOUTH 89°07'57" EAST A DISTANCE OF 411.92 FEET; THENCE SOUTH 09°32'00" EAST A DISTANCE OF 80.91 FEET; THENCE NORTH 58°06'05" EAST A DISTANCE OF 98.54 FEET; THENCE SOUTH 51°53'39" EAST A DISTANCE OF 335.93 FEET TO THE POINT OF BEGINNING.

CONTAINING IN ALL 335,415 SQ. FT. OR 7.70 ACRES, MORE OR LESS.
SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS-OF-WAY OF RECORD.



SURVEYOR'S NOTES

1. THIS DRAWING WAS PREPARED FOR FIRST NATIONAL BANK.
2. NO SEARCH OF THE PUBLIC RECORDS HAS BEEN MADE BY THIS SURVEYOR FOR EASEMENTS, RESTRICTIONS, RESERVATIONS OR RIGHTS-OF-WAY AFFECTING THIS PROPERTY.
3. ALL UTILITY LOCATIONS SHOWN HEREON WERE LOCATED BY FIELD MEASUREMENTS OF VISIBLE OBSERVATIONS AND/OR EXISTING UTILITY MAPS. ASSOCIATED ENGINEERING AND TESTING, LLC MAKES NO WARRANTY OR GUARANTEE TO THE UTILITIES SHOWN OR NOT SHOWN HEREON. FURTHERMORE ASSOCIATED ENGINEERING AND TESTING, LLC MAKES NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF EXISTING UTILITY MAPS. IF PRECISE LOCATIONS OF UNDERGROUND UTILITIES ARE REQUIRED THE CLIENT/CONTRACTOR SHALL COORDINATE WITH SAID UTILITY OWNER TO EXPOSE SAID UTILITY FOR LOCATION AND/OR DEPTH. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ANY AND ALL UTILITY LOCATIONS AND/OR DEPTHS BEFORE EXCAVATION.
4. UNABLE TO DETERMINE SANITARY SEWER CONNECTION POINT FOR EXISTING BANK BUILDING.
5. ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND REFER TO MSL DATUM.
6. BENCHMARK #1 IS COTTON PICKER SPINDLE IN POWER POLE LOCATED APPROXIMATELY 85 FEET WEST AND 30 FEET NORTH OF THE SOUTHWEST CORNER OF SUBJECT PROPERTY ALONG THE WEST SIDE OF OLD GREENSBORO ROAD (HWY. 351). ELEV. = 343.13 (NVD 88)
7. SUBJECT PROPERTY IS CURRENTLY ZONED R-1 (SINGLE-FAMILY MEDIUM DENSITY DISTRICT), C-3 (GENERAL COMMERCIAL DISTRICT) AND C-3 LUO (GENERAL COMMERCIAL DISTRICT WITH A LIMITED USE OVERLAY) AS SHOWN. ADJACENT PROPERTIES ARE ZONED C-3 AND I-1 AS NOTED.
8. SUBJECT PROPERTY IS LOCATED WITHIN ZONE "X". AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS DESIGNATED BY FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR THE CITY OF JONESBORO, COMMUNITY PANEL 50031C0044C (PANEL 44 OF 200). EFFECTIVE DATE - SEPTEMBER 27, 1991.
9. THE FOLLOWING DOCUMENTS WERE USED TO PERFORM THIS SURVEY:
 - A. A.H.L.D. RIGHT OF WAY MAP FOR JOB # 10729.
 - B. RECORD PLAT OF SHAULL TRUST ADDITION, RECORDED IN PLAT CABINET "C", PAGE 256 AT JONESBORO, ARKANSAS.
 - C. RECORD PLAT OF POTINGER REPLAT, RECORDED IN PLAT CABINET "C", PAGE 247 AT JONESBORO, ARKANSAS.
 - D. RECORD PLAT OF MIDWAY PROPERTY REPLAT, RECORDED IN PLAT CABINET "C", PAGE 31 AT JONESBORO, ARKANSAS.
 - E. RECORD PLAT OF F.W. CALDWELL'S SUBDIVISION IN SECTION 10, T14N, R4E, RECORDED IN PLAT BOOK 48, PAGE 302 AT JONESBORO, ARKANSAS.

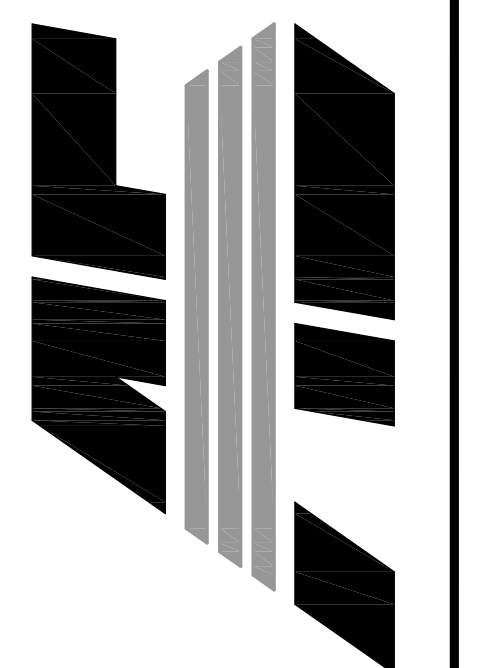
SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT ASSOCIATED ENGINEERING AND TESTING, LLC HAS THIS DATE MADE A BOUNDARY AND TOPOGRAPHIC SURVEY OF THE ABOVE DESCRIBED PROPERTY AS SHOWN HEREON AND THAT SAID SURVEY IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THERE ARE NO APPARENT ABOVE GROUND ENCROACHMENTS OTHER THAN AS SHOWN OR STATED HEREON AND THAT THIS SURVEY WAS MADE IN ACCORDANCE WITH THE "ARKANSAS MINIMUM STANDARDS FOR PROPERTY SURVEYS AND PLATS" IN EFFECT ON THIS DATE.

DATE OF BOUNDARY SURVEY: 04/12/2016
NOTE: TO BE VALID, COPIES MUST HAVE ORIGINAL SURVEYOR'S SIGNATURE AND SURVEYOR'S SEAL.

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HWY. 49 & HWY. 351
JONESBORO, ARKANSAS

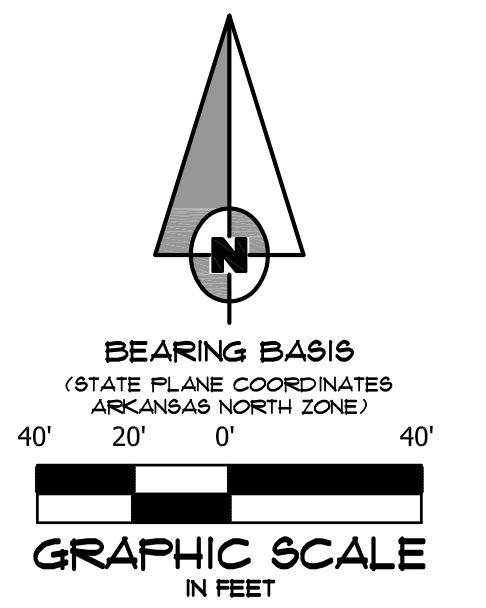
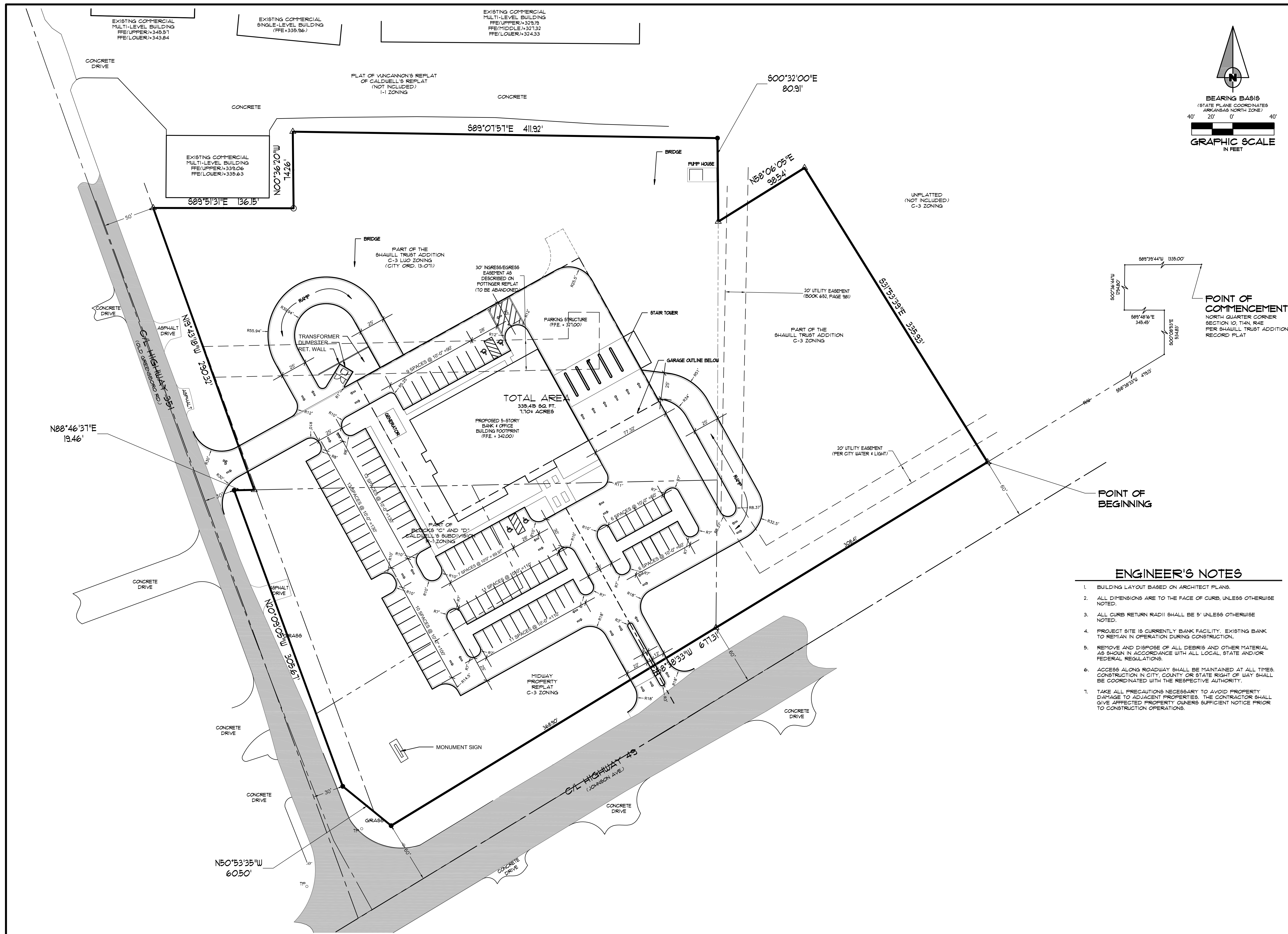
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

BOUNDARY & TOPOGRAPHIC SURVEY

DATE: 04/12/16	DRAWN: CCH
CADD FILE: 15165-001	CHECKED: PVL
DWG#: 0414104.0045	SHEET
SCALE: 1" = 40'	1 OF 1



POINT OF COMMENCEMENT
 NORTH QUARTER CORNER SECTION 10, T4N, R4E PER SHAULL TRUST ADDITION RECORD PLAT

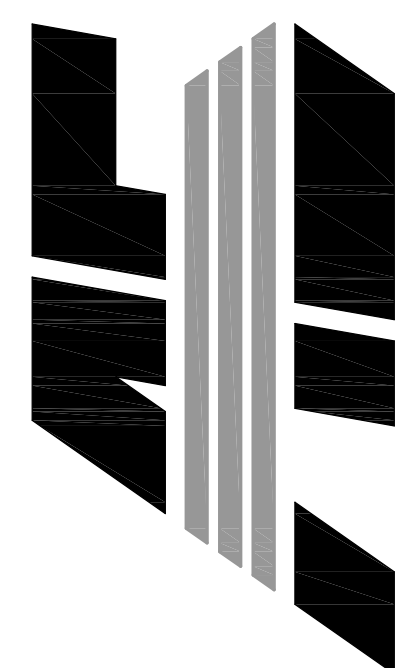
POINT OF BEGINNING

ENGINEER'S NOTES

1. BUILDING LAYOUT BASED ON ARCHITECT PLANS.
2. ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.
3. ALL CURB RETURN RADII SHALL BE 5' UNLESS OTHERWISE NOTED.
4. PROJECT SITE IS CURRENTLY BANK FACILITY. EXISTING BANK TO REMAIN IN OPERATION DURING CONSTRUCTION.
5. REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIAL AS SHOWN IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS.
6. 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.
7. TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION OPERATIONS.

FIRST NATIONAL BANK
 3500 EAST JOHNSON AVENUE
 HWY. 49 & HWY. 351
 JONESBORO, ARKANSAS

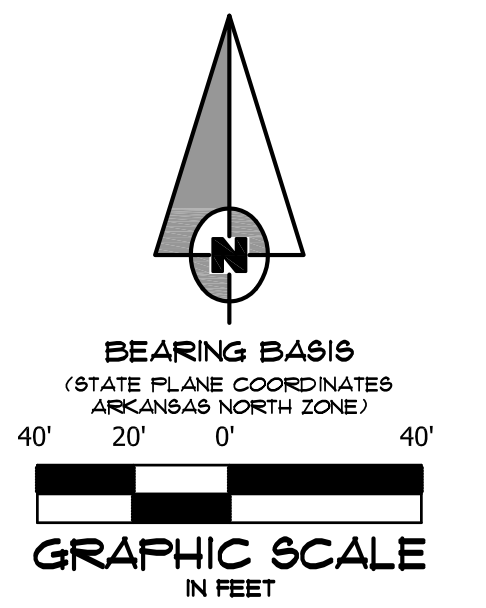
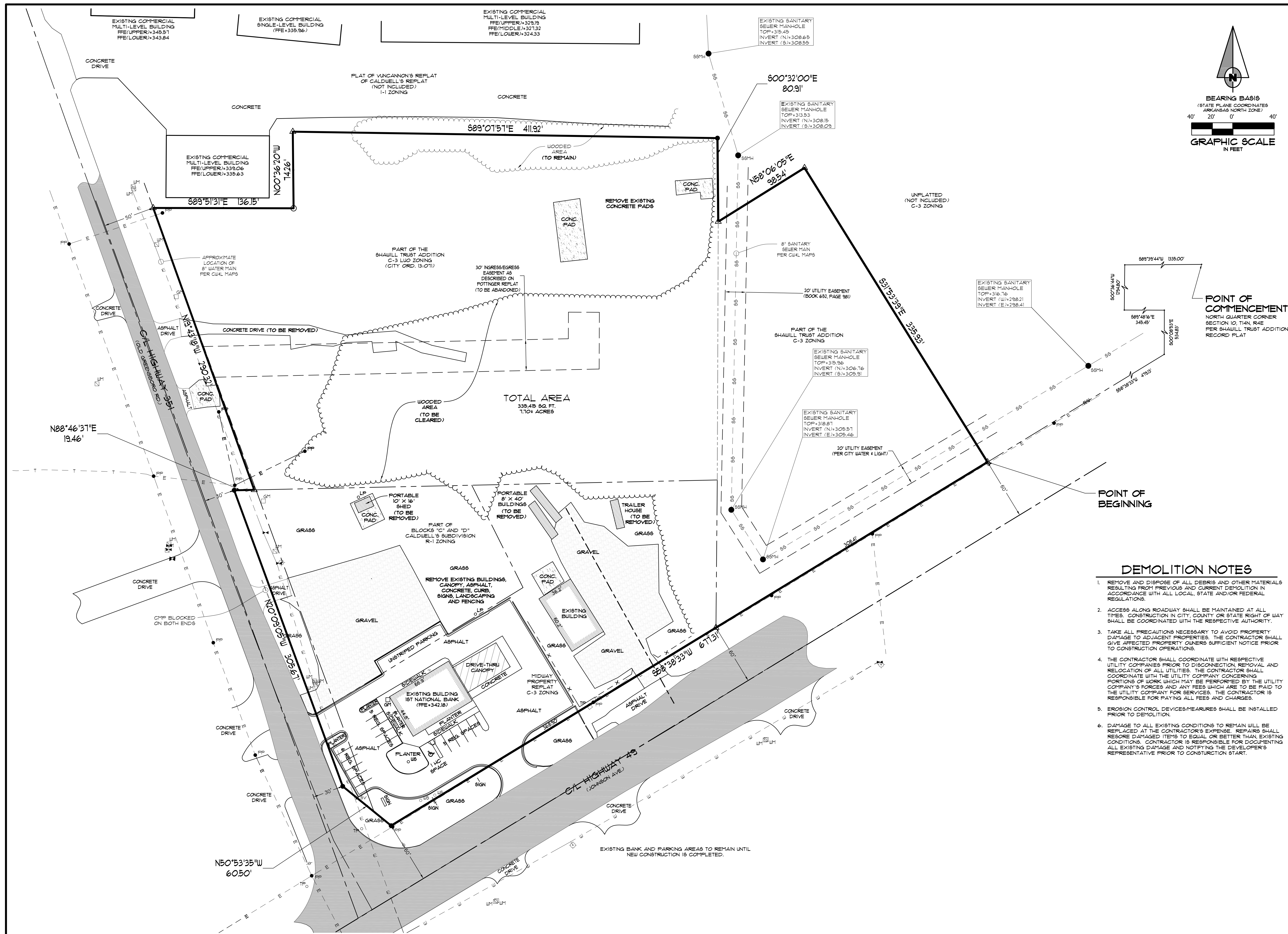
ASSOCIATED ENGINEERING, LLC
 CIVIL ENGINEERING • LAND SURVEYING
 LAND PLANNING
 103 SOUTH CHURCH STREET • P.O. BOX 1462
 JONESBORO, AR 72403
 PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

SITE PLAN

DATE: 06/27/16 DRAWN: CCH
 CADD FILE: 15165-SDP CHECKED: JME
 DWG#: 0414104.000X SHEET
 SCALE: 1" = 40' C004



TOTAL AREA
335,415 SQ. FT.
1.70+ ACRES

POINT OF BEGINNING

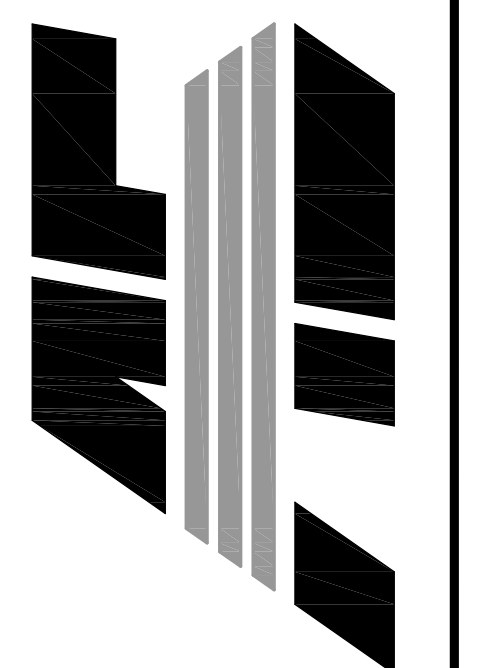
POINT OF COMMENCEMENT
NORTH QUARTER CORNER
SECTION 10, T44N, R4E
PER SHAULL TRUST ADDITION
RECORD PLAT

DEMOLITION NOTES

1. REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS.
2. 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.
3. TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION OPERATIONS.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO DISCONNECTION, REMOVAL AND RELOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. EROSION CONTROL DEVICES/MEASURES SHALL BE INSTALLED PRIOR TO DEMOLITION.
6. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REPAIRS SHALL RESORE DAMAGED ITEMS TO EQUAL OR BETTER THAN EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ALL EXISTING DAMAGE AND NOTIFYING THE DEVELOPER'S REPRESENTATIVE PRIOR TO CONSTRUCTION START.

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HUT. 49 & HUT. 351
JONESBORO, ARKANSAS

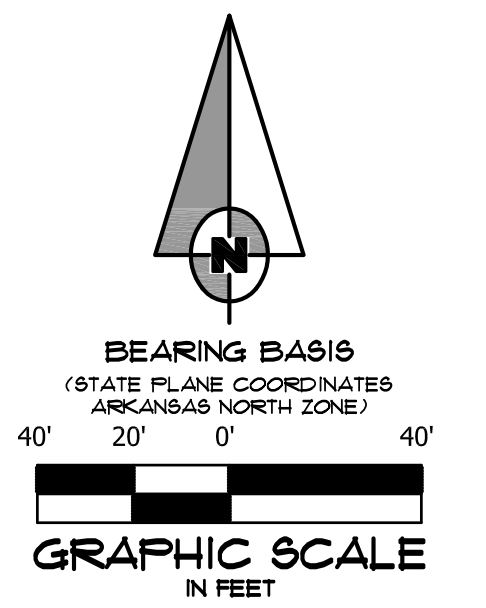
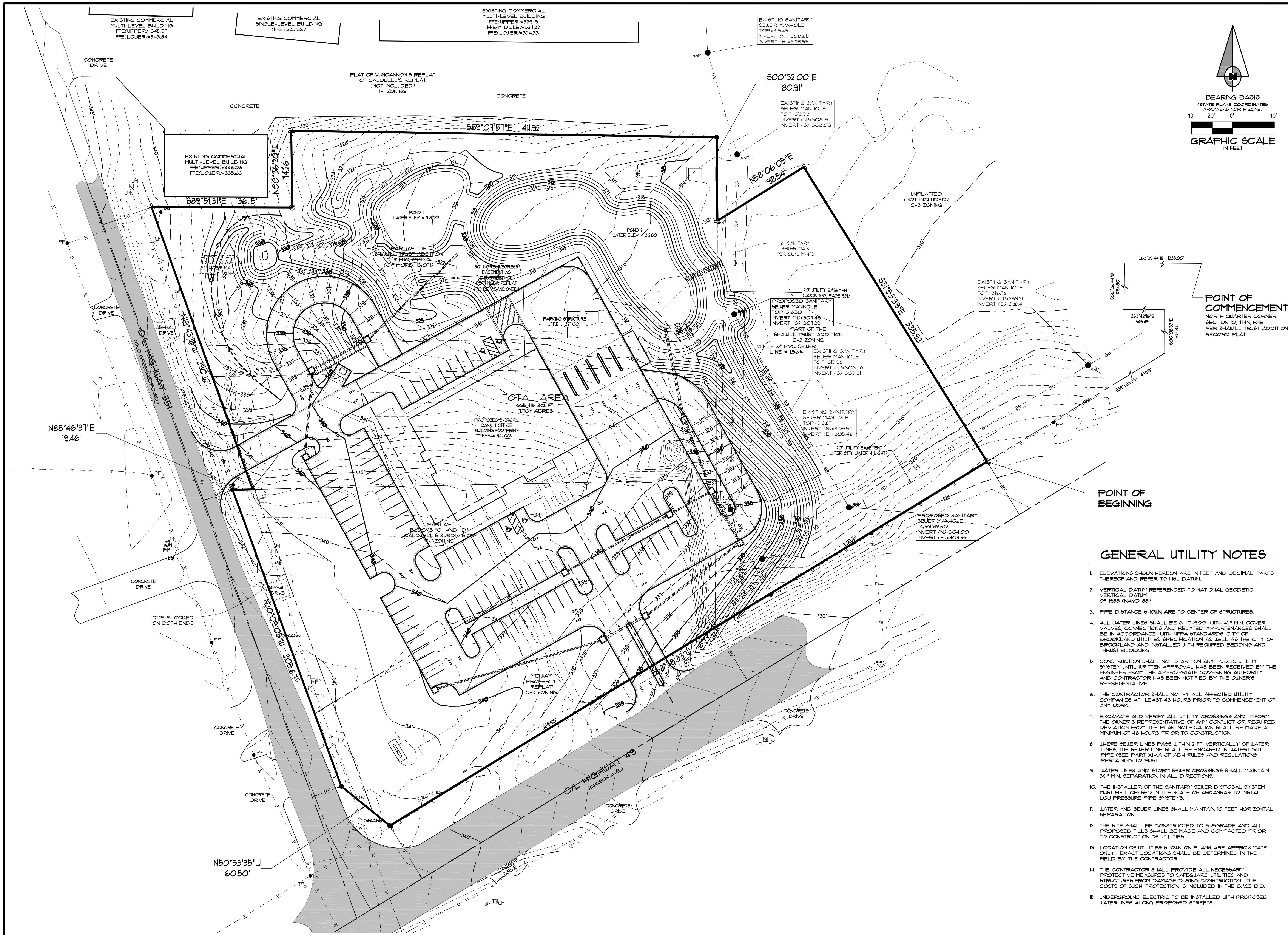
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR. 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

DEMOLITION PLAN

DATE: 06/27/16 DRAWN: CCH
 CADD FILE: 15165-SDP CHECKED: JME
 DWG#: 0414104.000X SHEET
 SCALE: 1" = 40' 0005



POINT OF COMMENCEMENT
NORTH QUARTER CORNER SECTION 10, T4N R4E PER SHAULL TRUST ADDITION RECORD PLAT

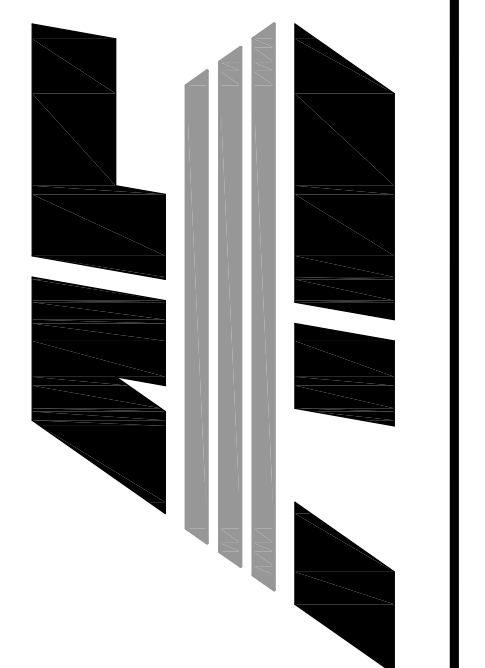
POINT OF BEGINNING

GENERAL UTILITY NOTES

1. ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND REFER TO MSL DATUM.
2. VERTICAL DATUM REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD 88).
3. PIPE DISTANCE SHOWN ARE TO CENTER OF STRUCTURES.
4. ALL WATER LINES SHALL BE 6" C-900 WITH 42" MIN. COVER. VALVES, CONNECTIONS AND RELATED APPURTENANCES SHALL BE IN ACCORDANCE WITH NFPA STANDARDS. CITY OF BROOKLAND UTILITIES SPECIFICATION AS WELL AS THE CITY OF BROOKLAND AND INSTALLED WITH REQUIRED BEDDING AND THRUST BLOCKING.
5. 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.
6. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
7. 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.
8. WHERE SEWER LINES PASS WITHIN 2 FT. VERTICALLY OF WATER LINES THE SEWER LINE SHALL BE ENCASED IN WATER-TIGHT PIPE (SEE PART XIV.A OF ADH RULES AND REGULATIONS PERTAINING TO PUBS).
9. WATER LINES AND STORM SEWER CROSSINGS SHALL MAINTAIN 36" MIN. SEPARATION IN ALL DIRECTIONS.
10. THE INSTALLER OF THE SANITARY SEWER DISPOSAL SYSTEM MUST BE LICENSED IN THE STATE OF ARKANSAS TO INSTALL LOW PRESSURE PIPE SYSTEMS.
11. WATER AND SEWER LINES SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION.
12. THE SITE SHALL BE CONSTRUCTED TO SUBGRADE AND ALL PROPOSED FILLS SHALL BE MADE AND COMPACTED PRIOR TO CONSTRUCTION OF UTILITIES.
13. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
14. 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.
15. UNDERGROUND ELECTRIC TO BE INSTALLED WITH PROPOSED WATER LINES ALONG PROPOSED STREETS.

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HUT. 49 & HUT. 351
JONESBORO, ARKANSAS

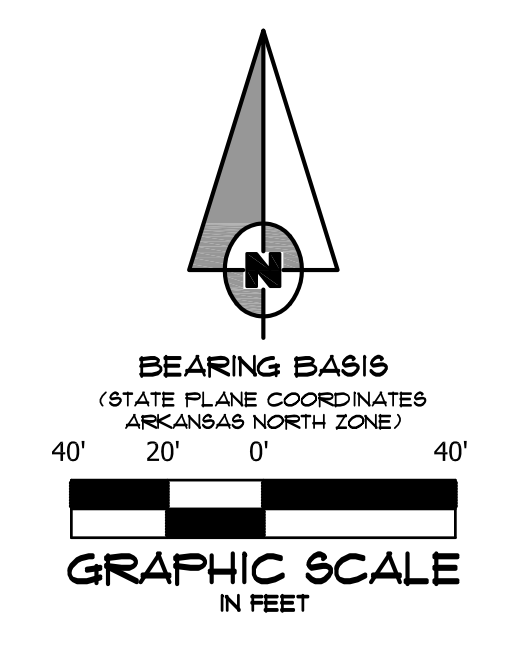
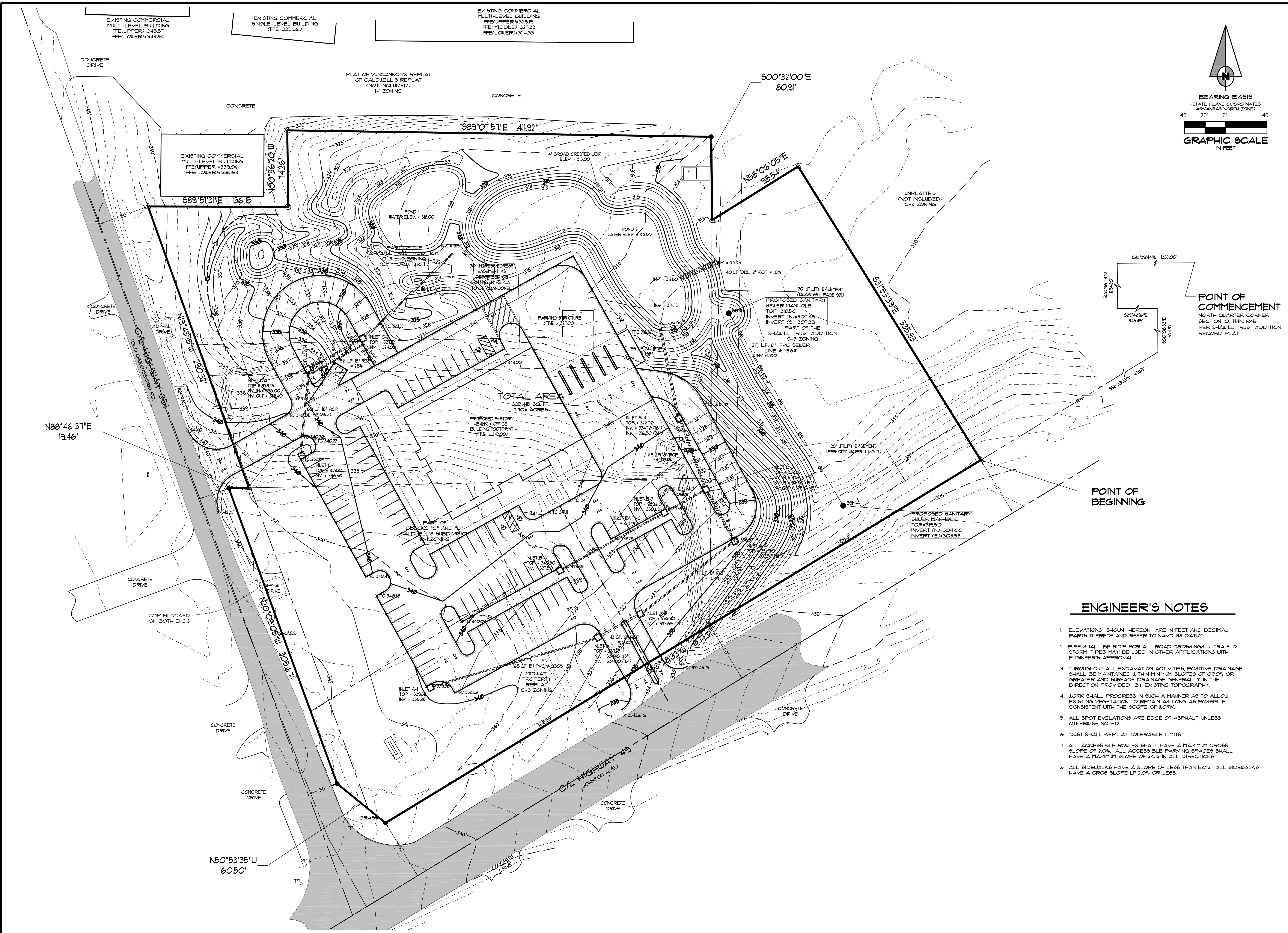
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

UTILITY PLAN

DATE: 06/27/16 DRAWN: CCH
 CADD FILE: 15165-SDP CHECKED: JME
 DWG#: 0414104.000X SHEET
 SCALE: 1" = 40' C006



POINT OF COMMENCEMENT
NORTH QUARTER CORNER SECTION 10, T4N, R4E PER SHAULL TRUST ADDITION RECORD PLAT

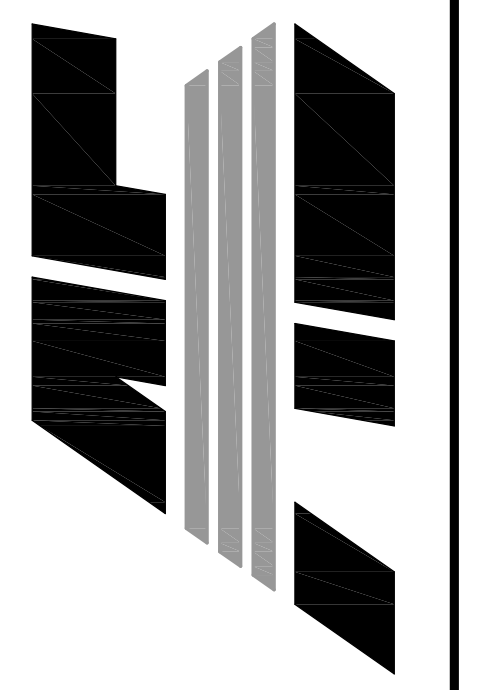
POINT OF BEGINNING

ENGINEER'S NOTES

- ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND REFER TO NAVD 88 DATUM.
- PIPE SHALL BE RCP FOR ALL ROAD CROSSINGS. ULTRA FLO STORM PIPES MAY BE USED IN OTHER APPLICATIONS WITH ENGINEER'S APPROVAL.
- THROUGHOUT ALL EXCAVATION ACTIVITIES, POSITIVE DRAINAGE SHALL BE MAINTAINED WITHIN MINIMUM SLOPES OF 0.50% OR GREATER AND SURFACE DRAINAGE GENERALLY IN THE DIRECTION PROVIDED BY EXISTING TOPOGRAPHY.
- WORK SHALL PROGRESS IN SUCH A MANNER AS TO ALLOW EXISTING VEGETATION TO REMAIN AS LONG AS POSSIBLE, CONSISTENT WITH THE SCOPE OF WORK.
- ALL SPOT ELEVATIONS ARE EDGE OF ASPHALT, UNLESS OTHERWISE NOTED.
- DUST SHALL BE KEPT AT TOLERABLE LIMITS.
- 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 SIDEWALKS HAVE A SLOPE OF LESS THAN 5.0%. ALL SIDEWALKS HAVE A CROSS SLOPE OF 2.0% OR LESS.

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HWY. 49 & HWY. 351
JONESBORO, ARKANSAS

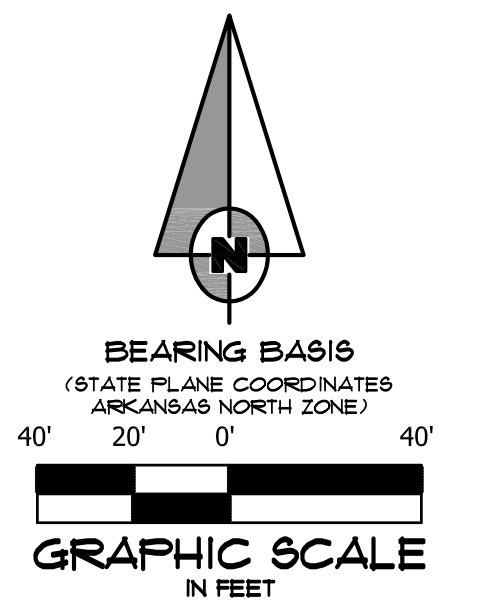
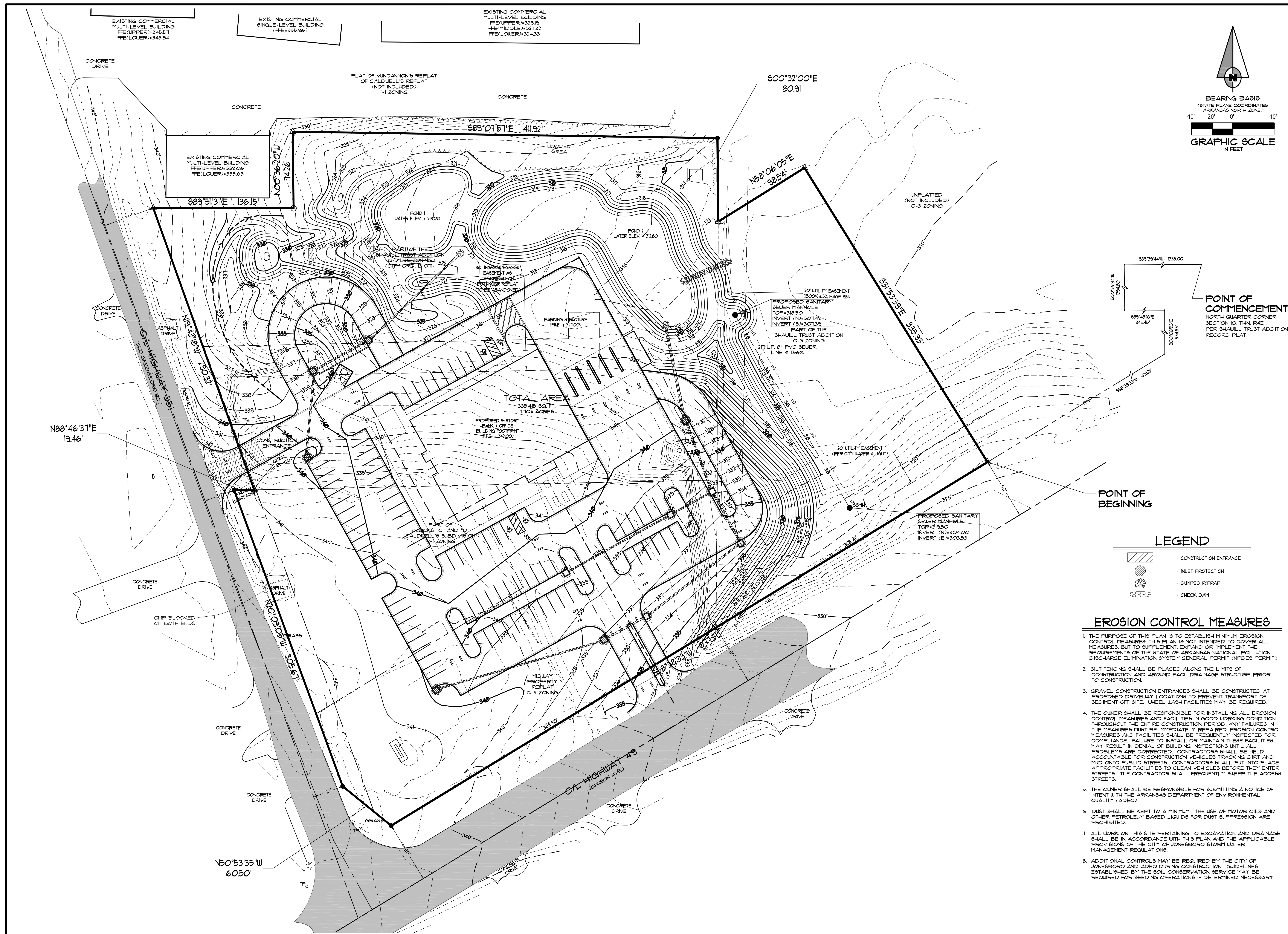
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

GRADING PLAN

DATE: 06/27/16 DRAWN: CCH
 CADD FILE: 15165-SDP CHECKED: JME
 DWG#: 0414104.000X SHEET:
 SCALE: 1" = 40' 0007



POINT OF BEGINNING

POINT OF COMMENCEMENT
NORTH QUARTER CORNER SECTION 10, T4N, R4E PER SHAULL TRUST ADDITION RECORD PLAT

LEGEND

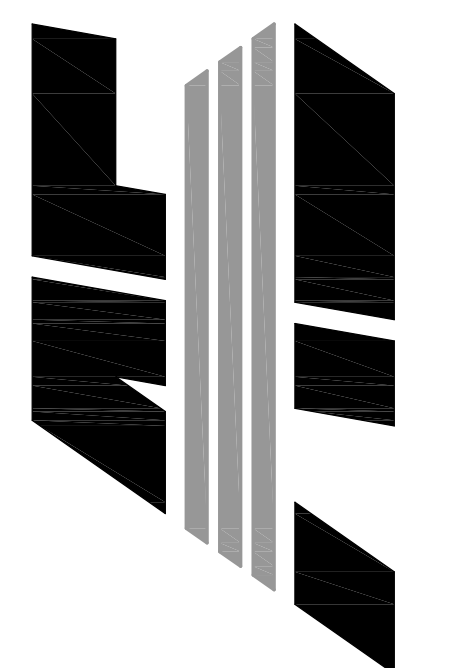
- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- DUMPED RIPRAP
- CHECK DAM

EROSION CONTROL MEASURES

1. 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 IMPLEMENT THE REQUIREMENTS OF THE STATE OF ARKANSAS NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT).
2. SILT FENCING SHALL BE PLACED ALONG THE LIMITS OF CONSTRUCTION AND AROUND EACH DRAINAGE STRUCTURE PRIOR TO CONSTRUCTION.
3. GRAVEL CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AT PROPOSED DRIVEWAY LOCATIONS TO PREVENT TRANSPORT OF SEDIMENT OFF SITE. WHEEL WASH FACILITIES MAY BE REQUIRED.
4. 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 SWEEP THE ACCESS STREETS.
5. THE OWNER SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT WITH THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ).
6. DUST SHALL BE KEPT TO A MINIMUM. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED LIQUIDS FOR DUST SUPPRESSION ARE PROHIBITED.
7. 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.
8. 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 SEEDING OPERATIONS IF DETERMINED NECESSARY.

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HUT. 49 & HUT. 351
JONESBORO, ARKANSAS

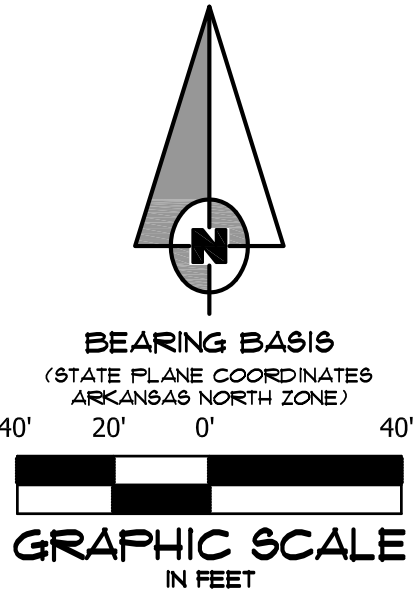
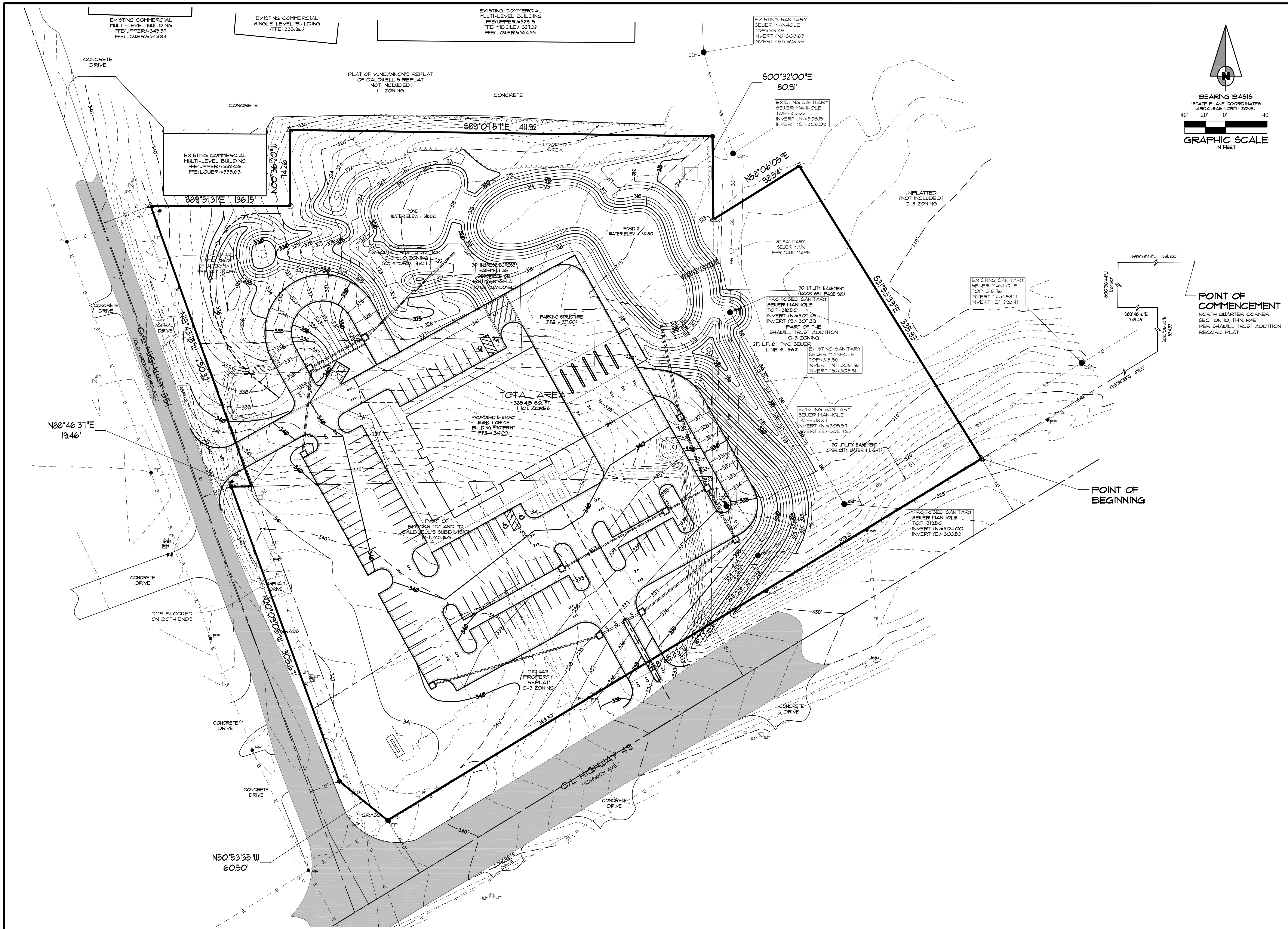
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

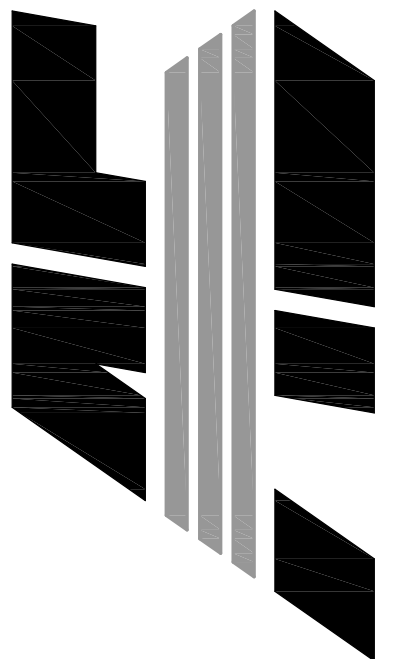
EROSION CONTROL PLAN

DATE: 06/27/16 DRAIN: CCH
CADD FILE: 15165-SDP CHECKED: JME
DWG#: 0414104.000X SHEET
SCALE: 1" = 40' 0008



FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HWT. 49 & HWT. 351
JONESBORO, ARKANSAS

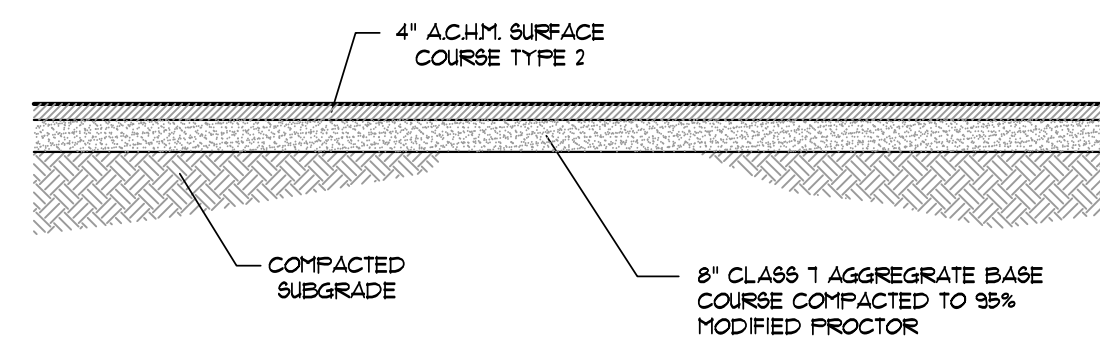
ASSOCIATED ENGINEERING, LLC
 CIVIL ENGINEERING • LAND SURVEYING
 LAND PLANNING
 103 SOUTH CHURCH STREET • P.O. BOX 1462
 JONESBORO, AR. 72403
 PH: 870-932-3594 • FAX: 870-935-1263



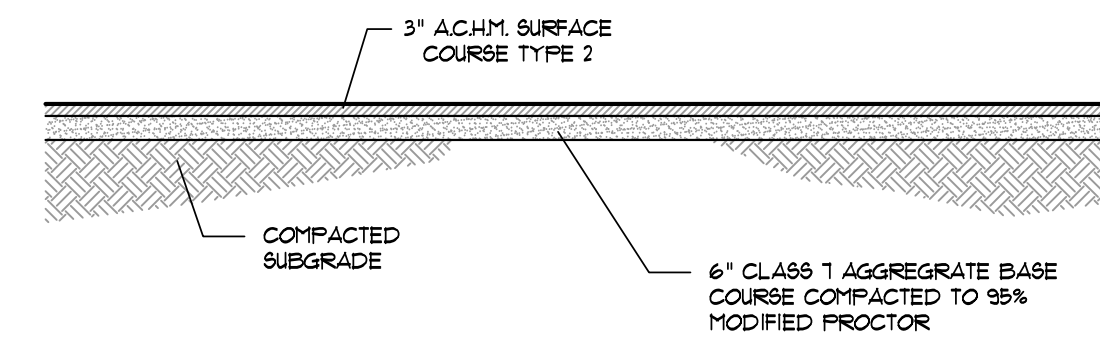
NO.	DESCRIPTION	DATE

LANDSCAPE PLAN

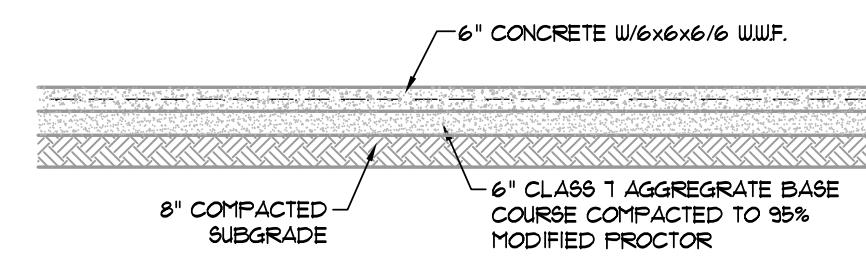
DATE: 06/27/16 DRAIN: CCH
 CADD FILE: 15165-SDP CHECKED: JME
 DWG#: 0414104.000X SHEET
 SCALE: 1" = 40' 0009



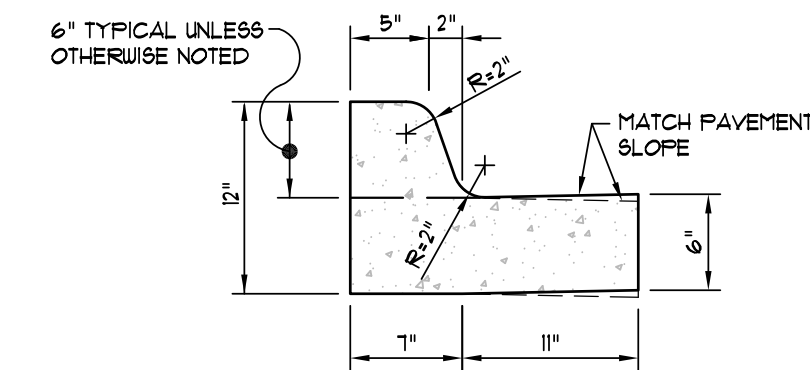
SECTION - ASPHALT PARKING - HEAVY
N.T.S.



SECTION - ASPHALT PARKING - LIGHT
N.T.S.

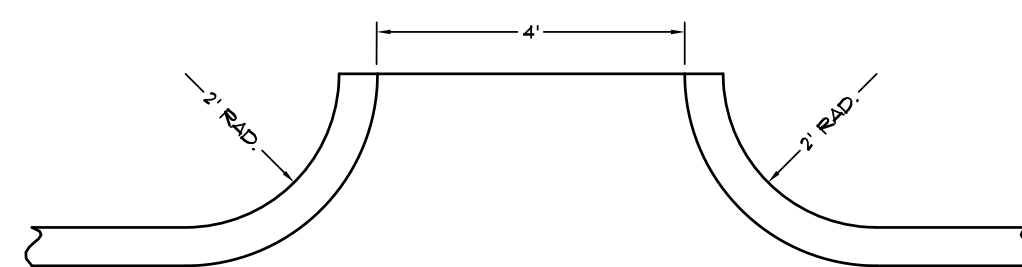


SECTION - CONCRETE PAVING - LIGHT
N.T.S.

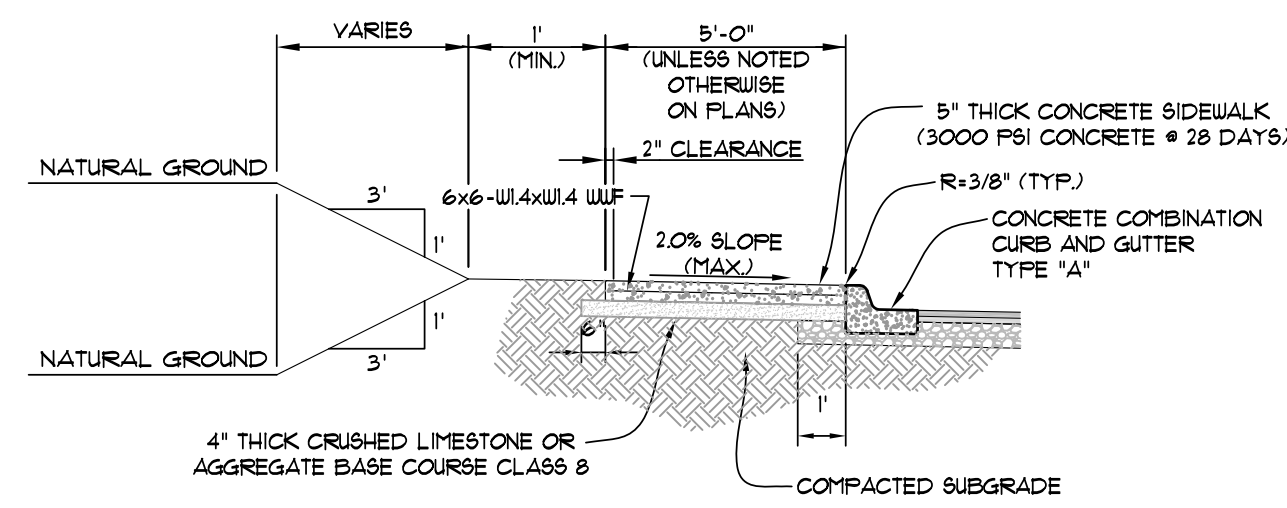


NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

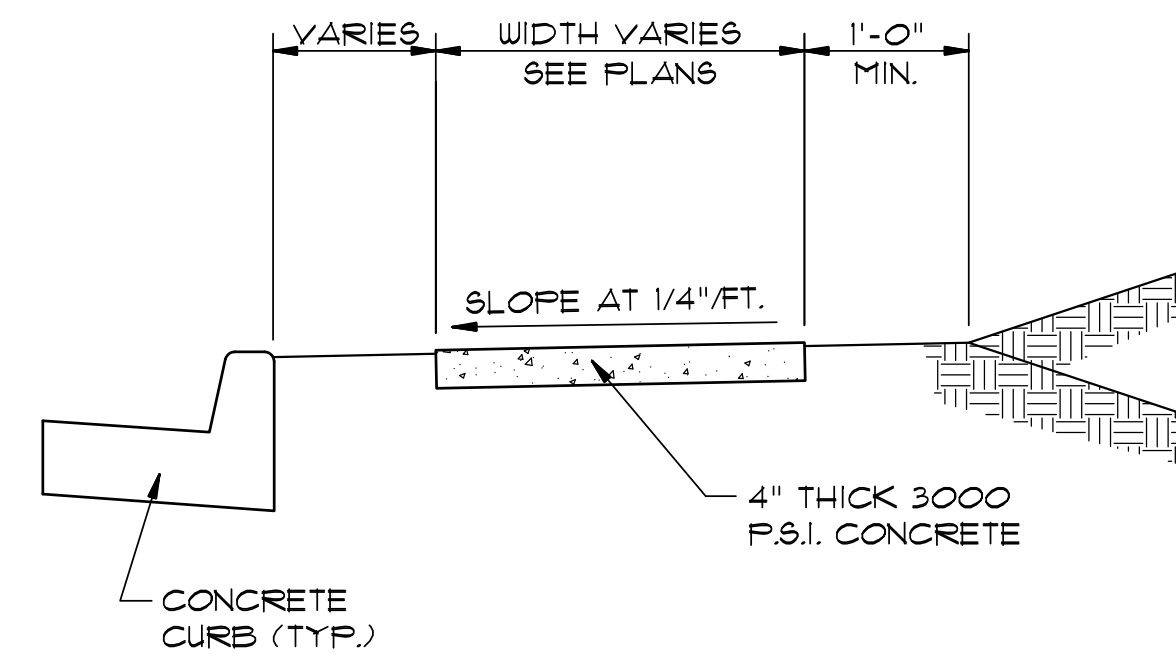
TYPICAL CURB & GUTTER TYPE "A-18"
(NOT TO SCALE)



CURB CHANNEL
(NOT TO SCALE)

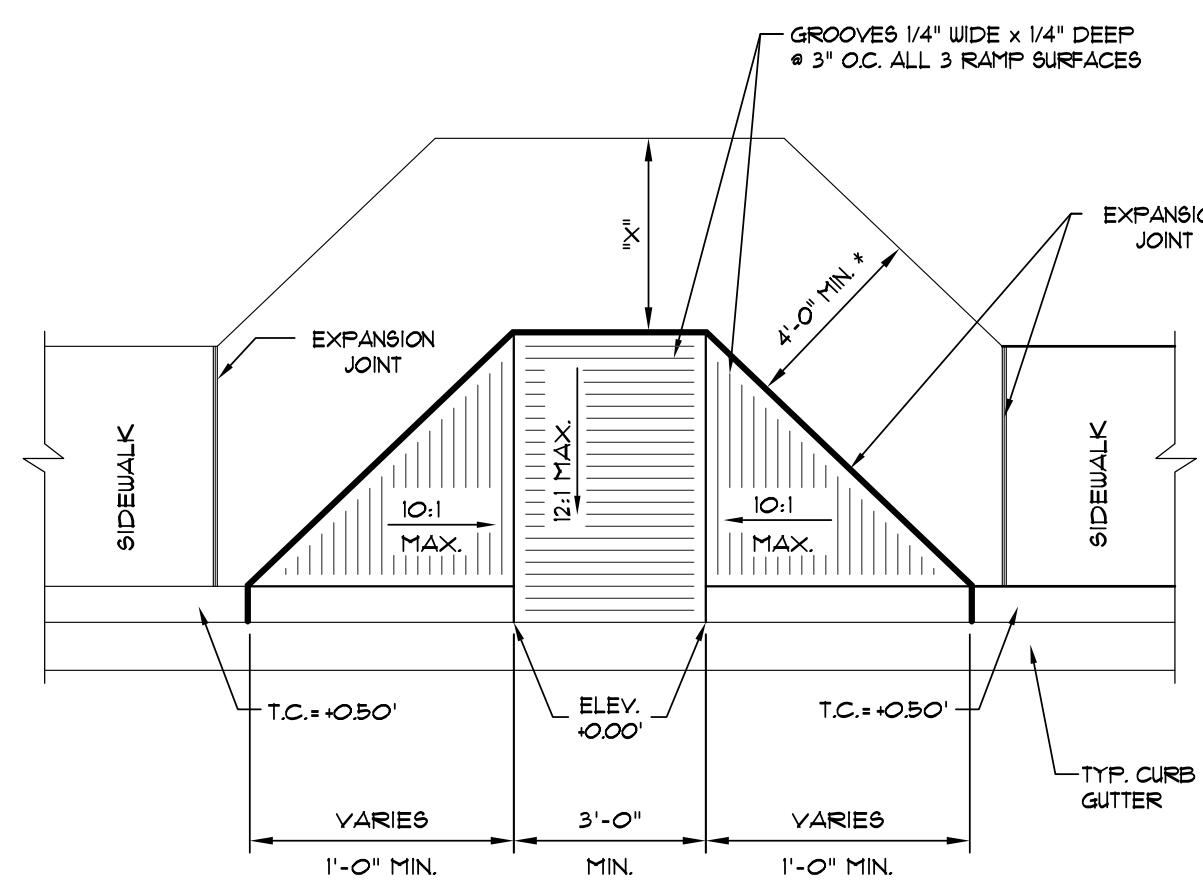


TYPICAL SECTION - SIDEWALK AT CURB
(NOT TO SCALE)



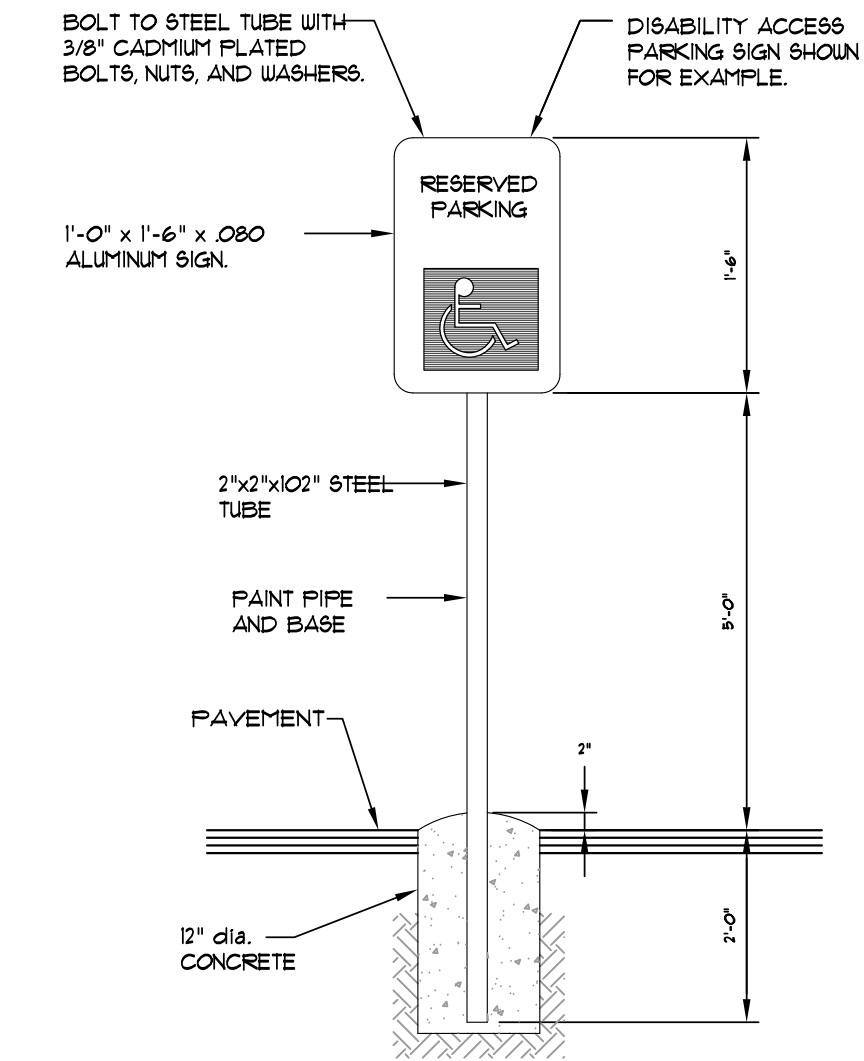
TYPICAL SECTION - SIDEWALK
N.T.S.

* MINIMUM WIDTH FOR SIDEWALK ADJACENT TO CURB IS 5' FOR CITY STREETS AND 6' FOR STATE OR U.S. HIGHWAYS.



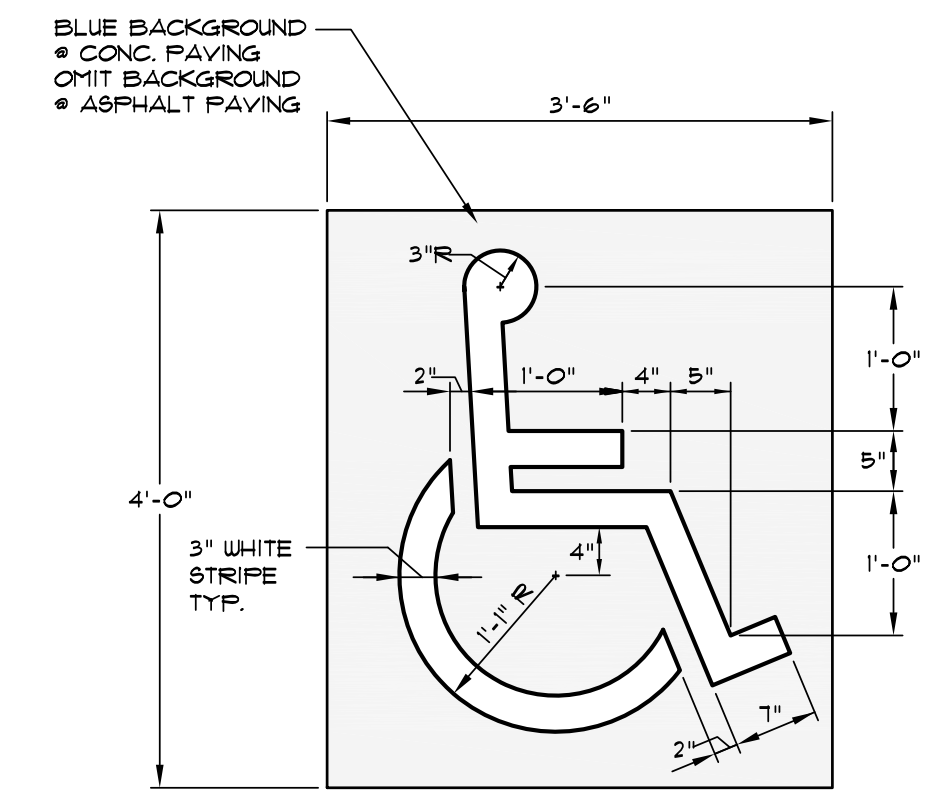
* NOTE: IF 'X' IS LESS THAN 48", AS APPROVED BY THE CITY, THEN THE SLOPE OF THE FLARED SIDE SHALL NOT EXCEED 12:1.

TYPE "A" ACCESS RAMP
SCALE: 1/4" = 1'-0"



NOTE: ALL SIGNS SHALL CONFORM TO MUTCD AND SHALL BE HIGH INTENSITY.

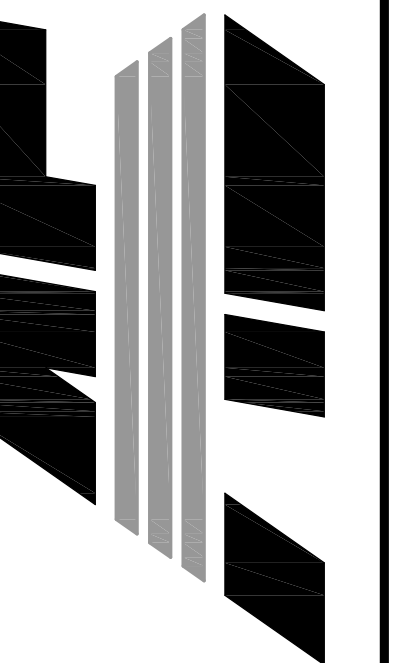
SIGN DETAIL
SCALE: 1/2" = 1'-0"



PARKING STALL SYMBOL
SCALE: 3/4" = 1'-0"

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HUT. 49 & HUT. 351
JONESBORO, ARKANSAS

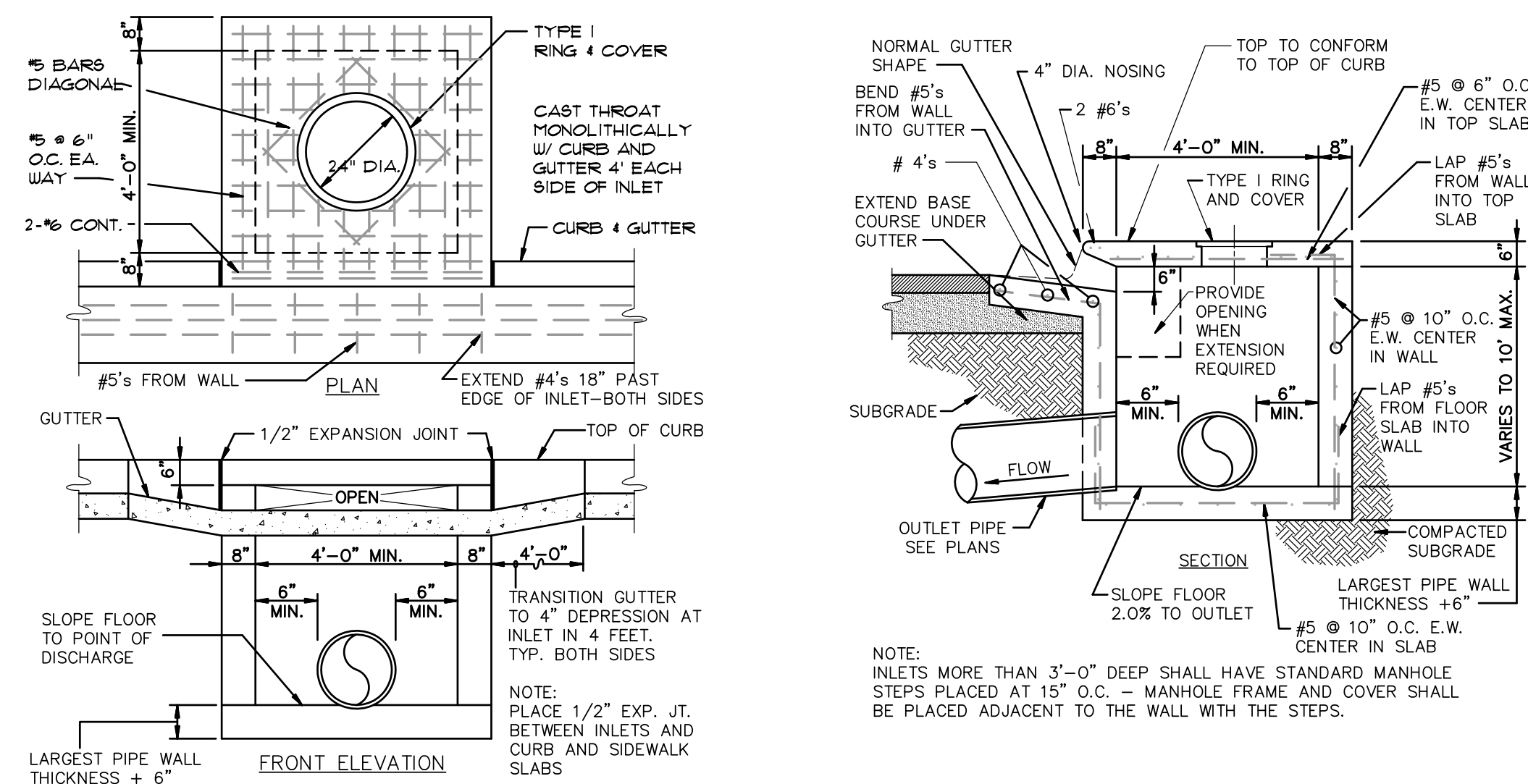
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

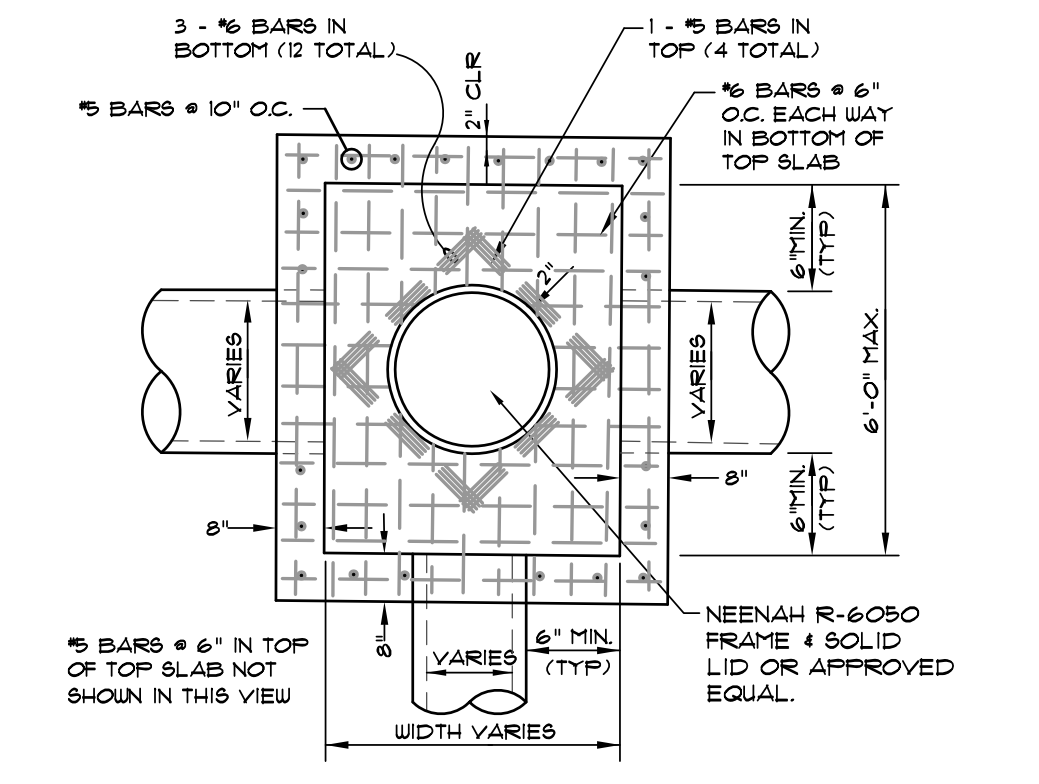
STANDARD DETAILS

DATE: 06/27/16	DRAWN: CCH
CADD FILE: 15165-SDP	CHECKED: JME
DWG#: 0414104.000X	SHEET
SCALE: 1" = 40'	C010

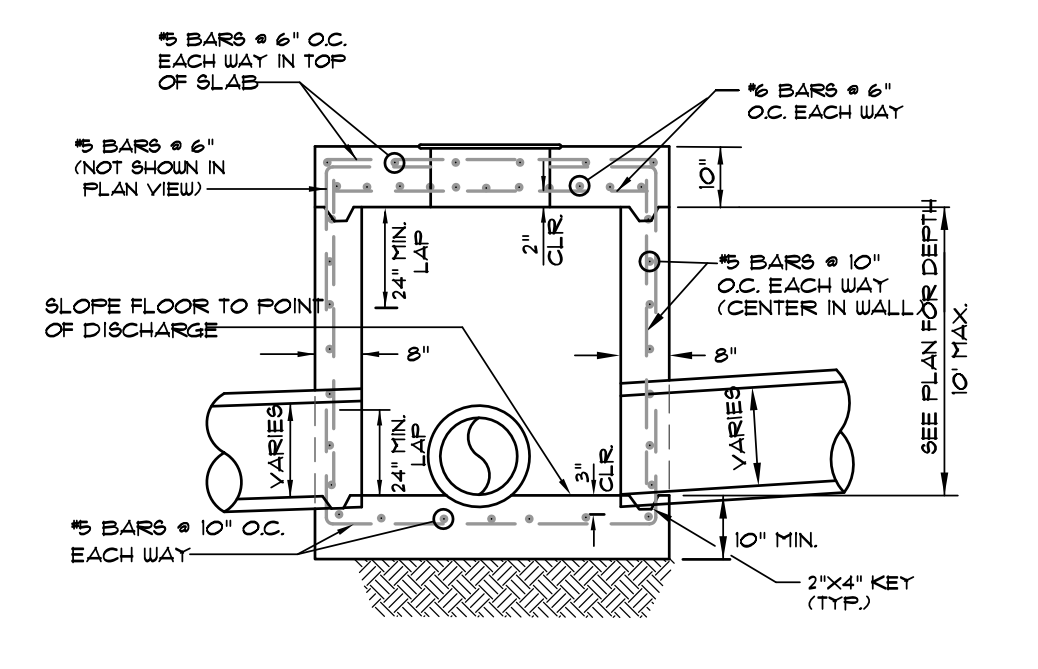


CURB INLET - TYPE "A"
(NOT TO SCALE)

NOTE: INLETS MORE THAN 3'-0" DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED AT 15" O.C. - MANHOLE FRAME AND COVER SHALL BE PLACED ADJACENT TO THE WALL WITH THE STEPS.

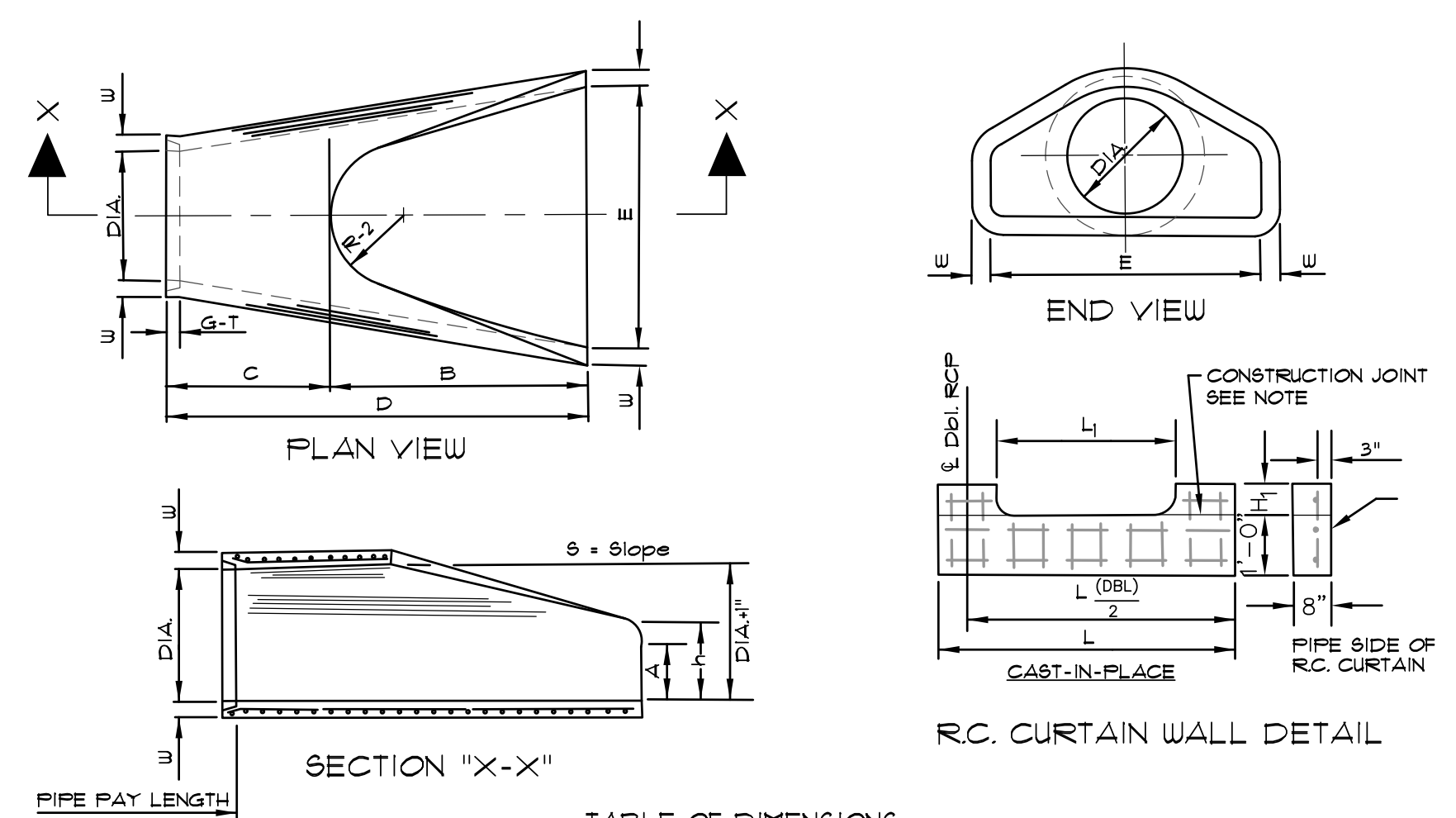


PLAN - JUNCTION BOX - HEAVY
N.T.S.



SECTION - JUNCTION BOX - HEAVY
N.T.S.

NOTES:
1. SHOULD BE USED TO ACCOMMODATE VEHICULAR TRAFFIC.
2. JUNCTION BOXES MORE THAN 3 FEET DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED @ 15" O.C.
3. SEE REINFORCING DETAIL FOR OPENING IN WALL OR SLAB.



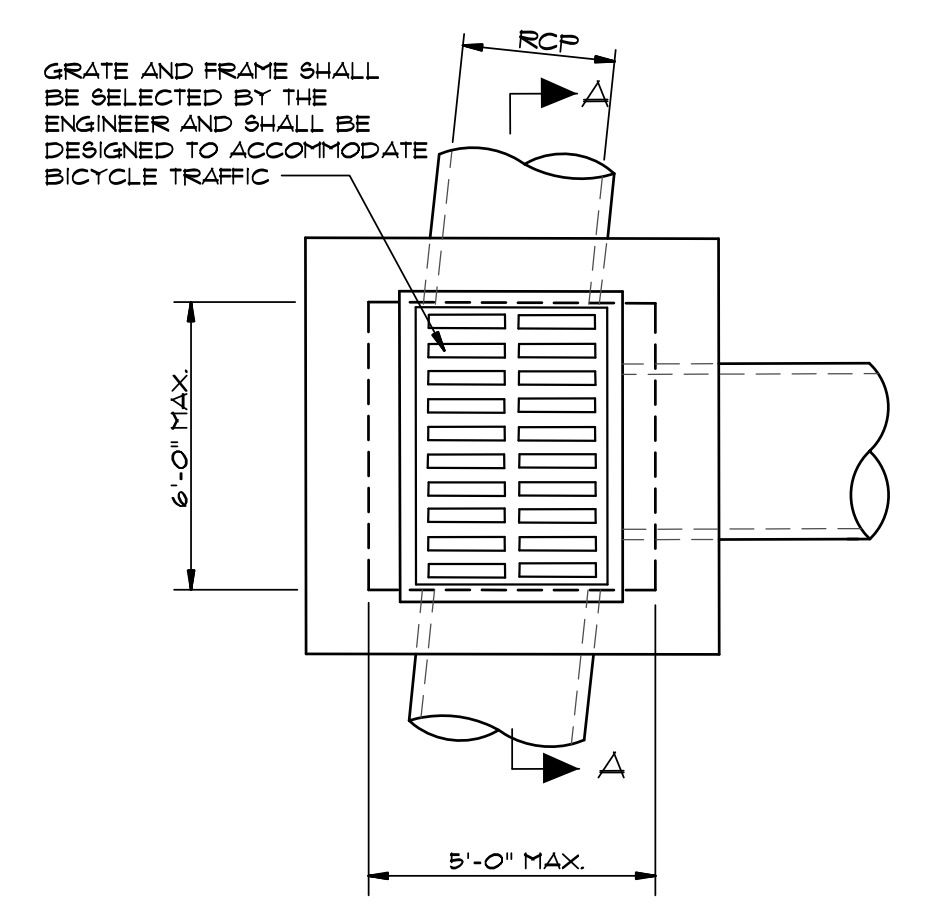
R.C. CURTAIN WALL DETAIL

TABLE OF DIMENSIONS

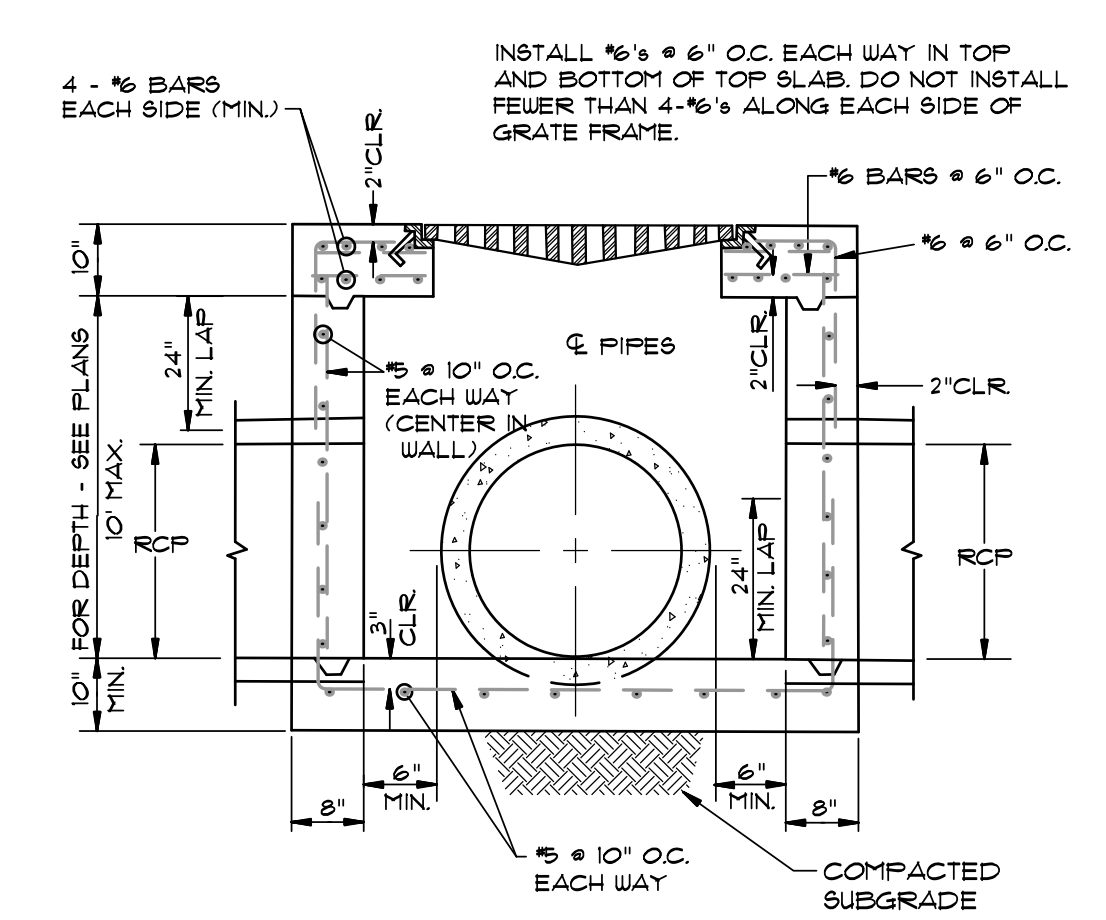
DIA.	WALL	A	B	C	D	E	S	DIA.+1"	P	R-1	R-2	G-T	WT	h
18"	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	3:1	19"	29"	15 1/2"	12"	2"	1000	1'-0 1/2"
24"	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3:1	25"	33 3/16"	16 13/16"	14"	2 1/2"	1600	1'-1 1/2"
30"	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	8'-1 3/4"	5'-0"	3:1	31"	37"	18 1/2"	15"	3 1/4"	1940	1'-4 5/8"
36"	4"	1'-3"	5'-3"	2'-10 3/4"	8'-3 3/4"	6'-0"	3:1	39"	47 13/16"	24 5/16"	20"	3 1/2"	4100	1'-8"
42"	4 1/2"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	3:1	43"	53 7/8"	27 1/2"	22"	3 1/2"	5380	2'-2 1/2"
48"	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	3:1	49"	56 1/2"	28 1/2"	22"	3 1/2"	6550	2'-6"
54"	5 1/2"	2'-4"	6'-8"	1'-10"	8'-4"	7'-8"	3:1	55"	65 1/2"	33 1/8"	24"	4"	8750	2'-10 1/2"
60"	6"	2'-10"	6'-8"	1'-10"	8'-4"	8'-0"	3:1	61"	72 1/2"	36 11/16"	24"	4"	9270	3'-5"
72"	7"	3'-10"	6'-8"	1'-10"	8'-4"	9'-0"	3:1	73"	77 13/16"	38 15/16"	24"	5"	13250	4'-8"

NOTES:
1. THE PORTION OF THE R.C. CURTAIN WALL BENEATH THE FLARED END SECTION (LOWER 1'-0") SHALL BE PLACED MONOLITHICALLY. THE FLARED END SECTION SHALL THEN BE SET IN PLACE AND THE REMAINING PORTIONS OF THE R.C. CURTAIN WALL PLACED.
2. ALL REINFORCING STEEL ARE #4 BARS AT 6" O.C.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THE CURTAIN WALLS. THEY SHALL BE CONSIDERED SUBSIDIARY TO THE FLARED END SECTIONS.
4. TONGUE END ON UPSTREAM SECTION. GROOVE END ON DOWNSTREAM SECTION.

FLARED END SECTION DETAILS FOR REINFORCED CONCRETE PIPE CULVERT
(NOT TO SCALE)

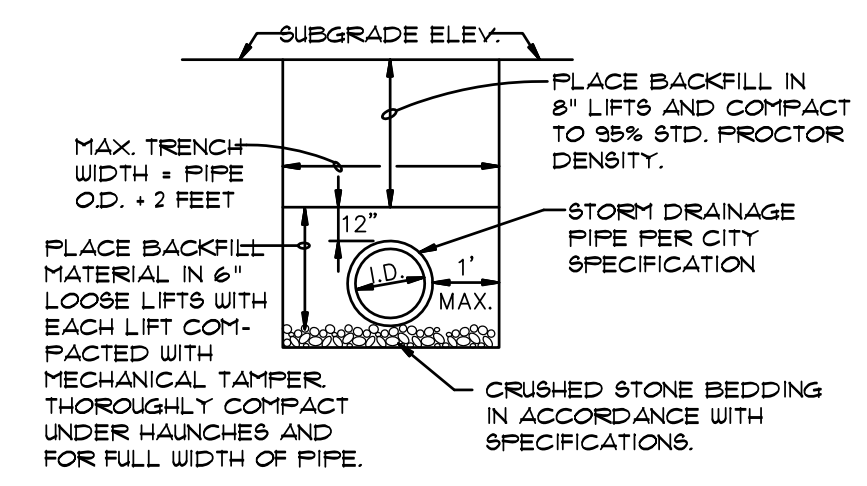


PLAN - GRATE INLET - HEAVY
N.T.S.



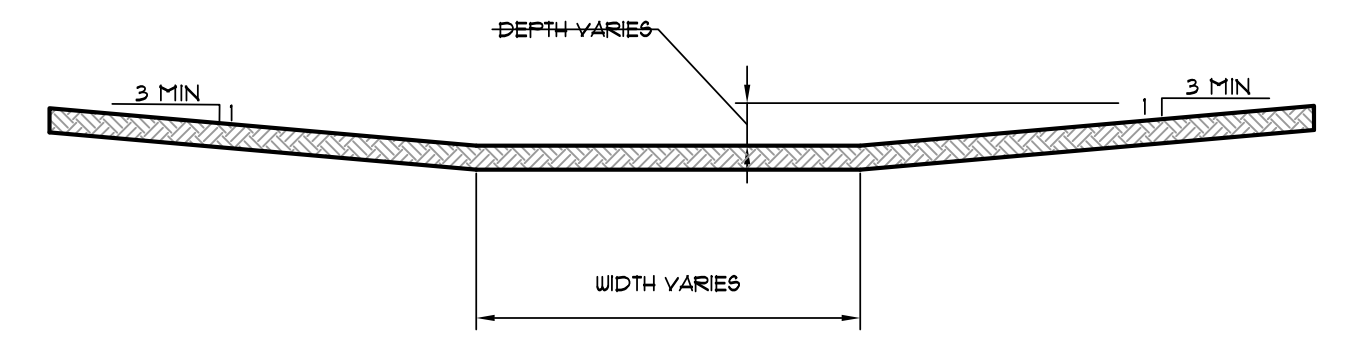
SECTION "A-A" - GRATE INLET - HEAVY
N.T.S.

NOTES:
1. SHOULD BE USED TO ACCOMMODATE VEHICULAR TRAFFIC.
2. JUNCTION BOXES MORE THAN 3 FEET DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED @ 15" O.C.
3. SEE REINFORCING DETAIL FOR OPENING IN WALL OR SLAB.



DRAINAGE PIPE TRENCH DETAIL

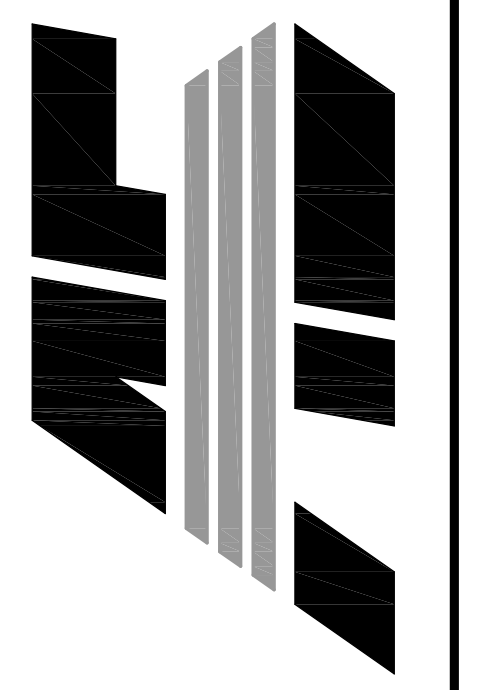
NOTE: TO BE USED WITH NEW STREET CONSTRUCTION. SEE DRAWING NO. PT-1 FOR EXISTING STREET CUTS.



DETAIL - DRAINAGE SWALE - FLAT BOTTOM
N.T.S.

FIRST NATIONAL BANK
3500 EAST JOHNSON AVENUE
HUT. 49 & HUT. 351
JONESBORO, ARKANSAS

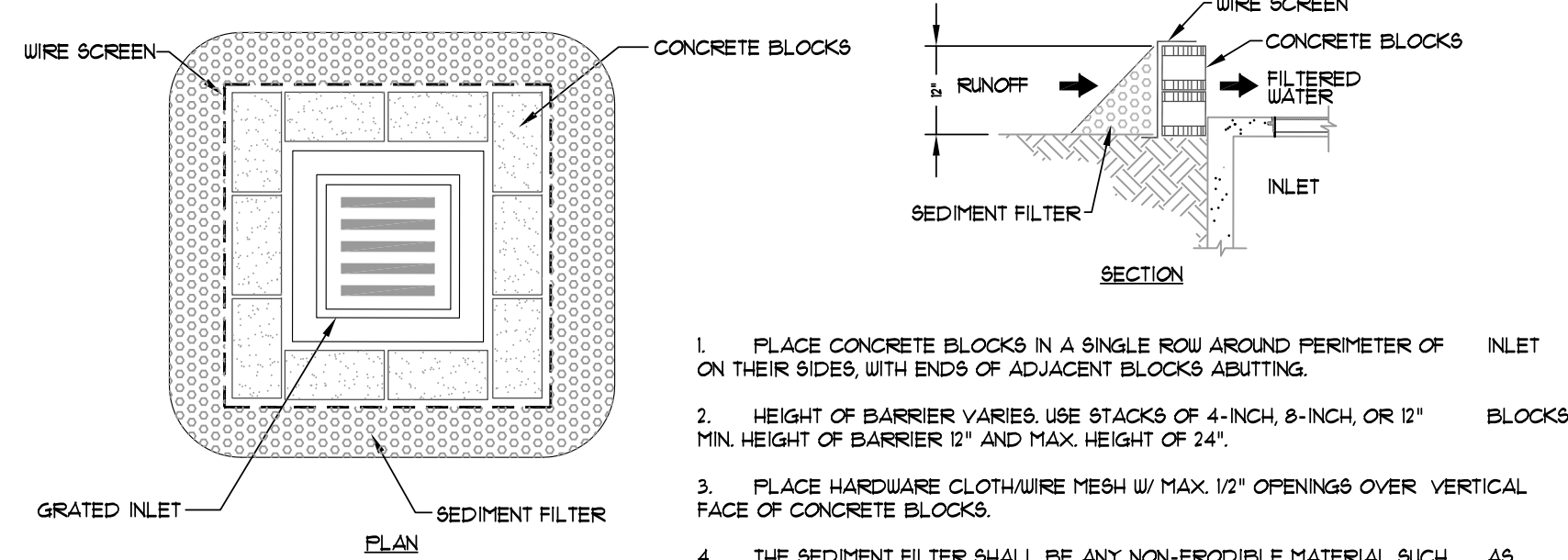
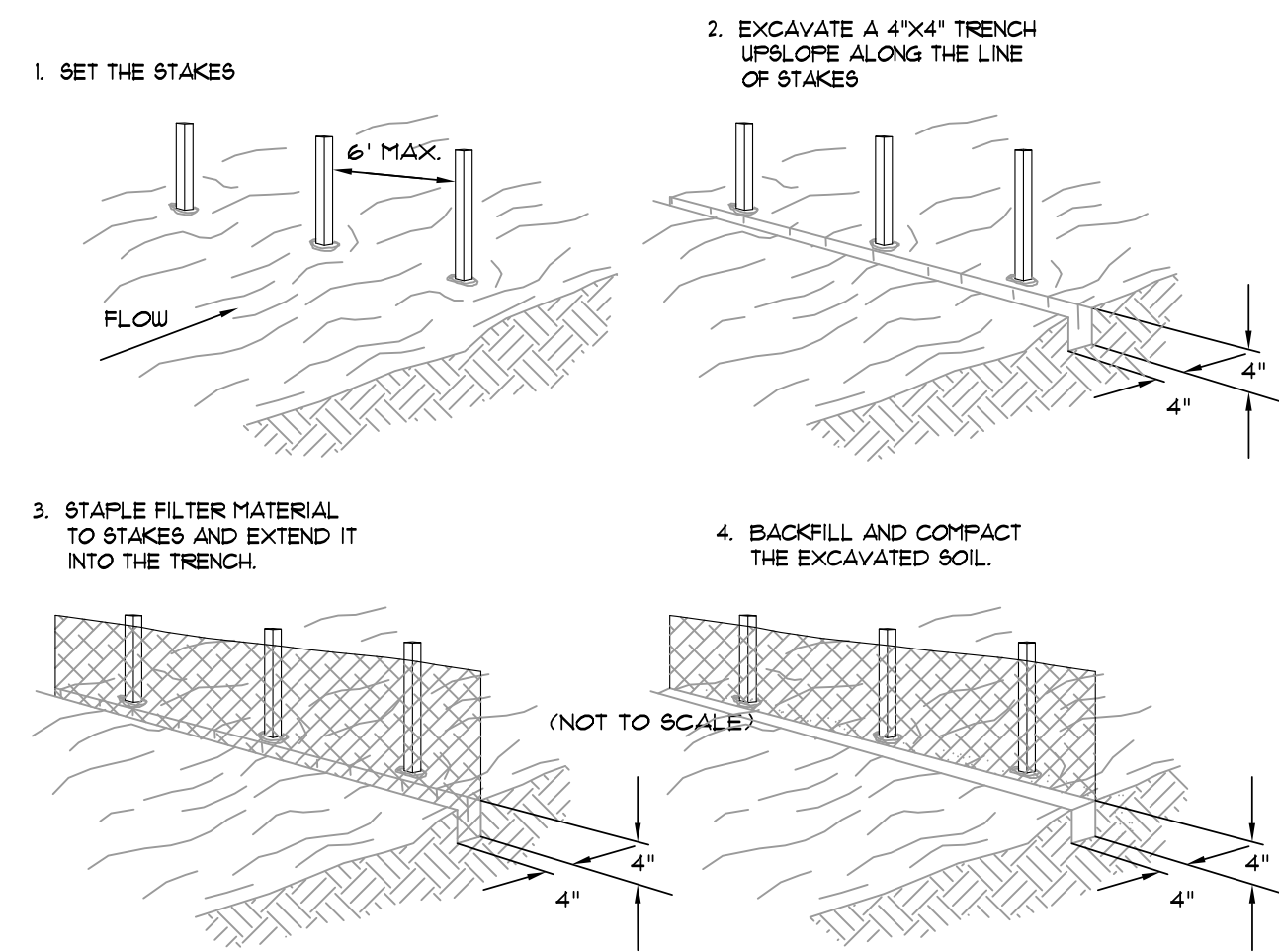
ASSOCIATED ENGINEERING, LLC
CIVIL ENGINEERING • LAND SURVEYING
LAND PLANNING
103 SOUTH CHURCH STREET • P.O. BOX 1462
JONESBORO, AR 72403
PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

STANDARD DETAILS

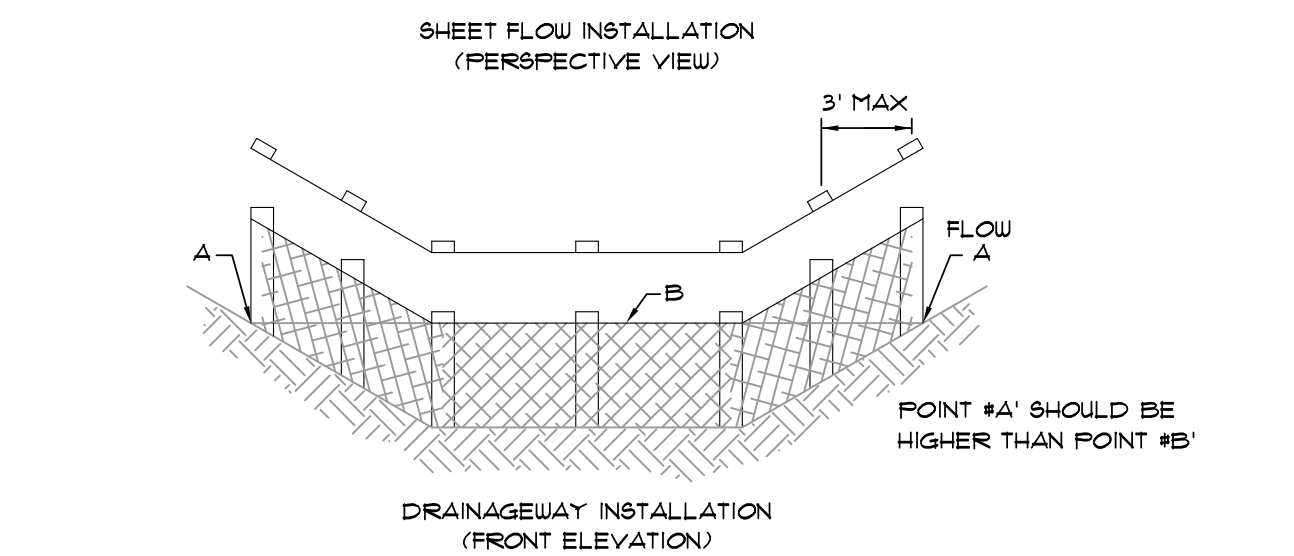
DATE:	06/27/16	DRAWN:	COH
CADD FILE:	15165-SDP	CHECKED:	JME
DWG#:	0414104.000X	SHEET	
SCALE:	1" = 40'	C011	



1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN. HEIGHT OF BARRIER 12" AND MAX. HEIGHT OF 24".
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE SEDIMENT FILTER SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

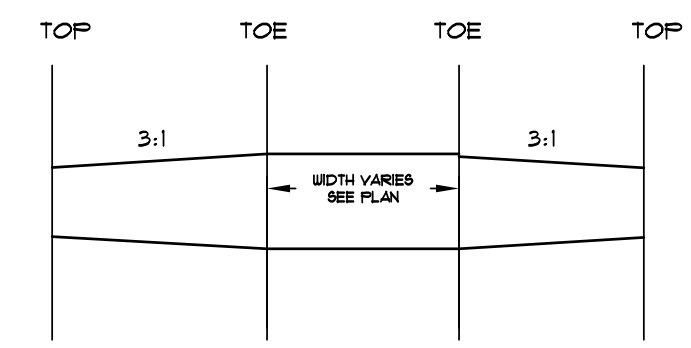
BLOCK AND AGGREGATE INLET SEDIMENT FILTER

SCALE: 1/2" = 1'-0"



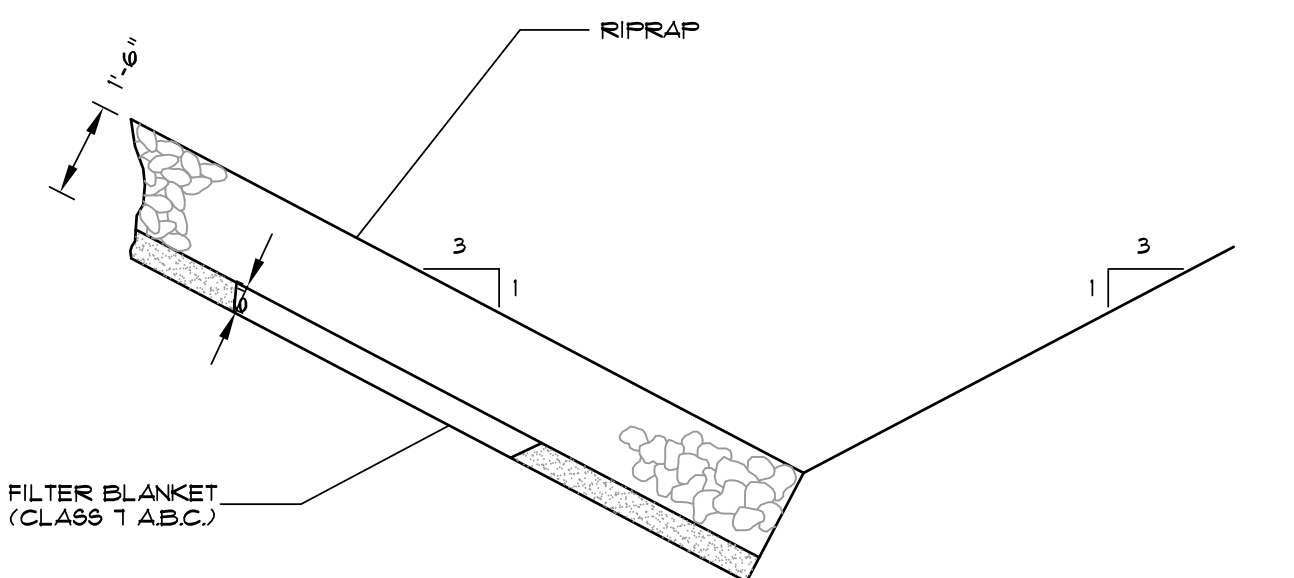
FILTER BARRIER

SCALE: 1/4" = 1'-0"



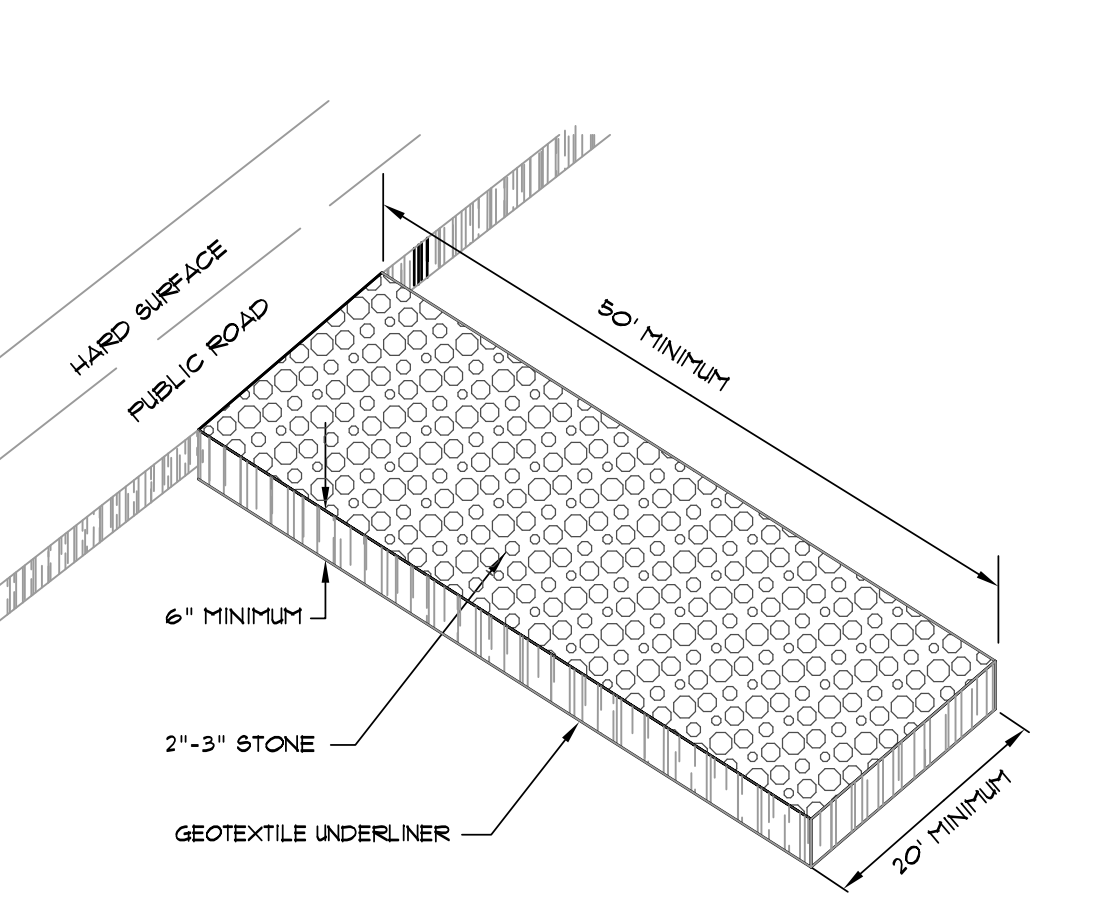
ROCK CHECK DAM

SCALE: 1/2" = 1'-0"



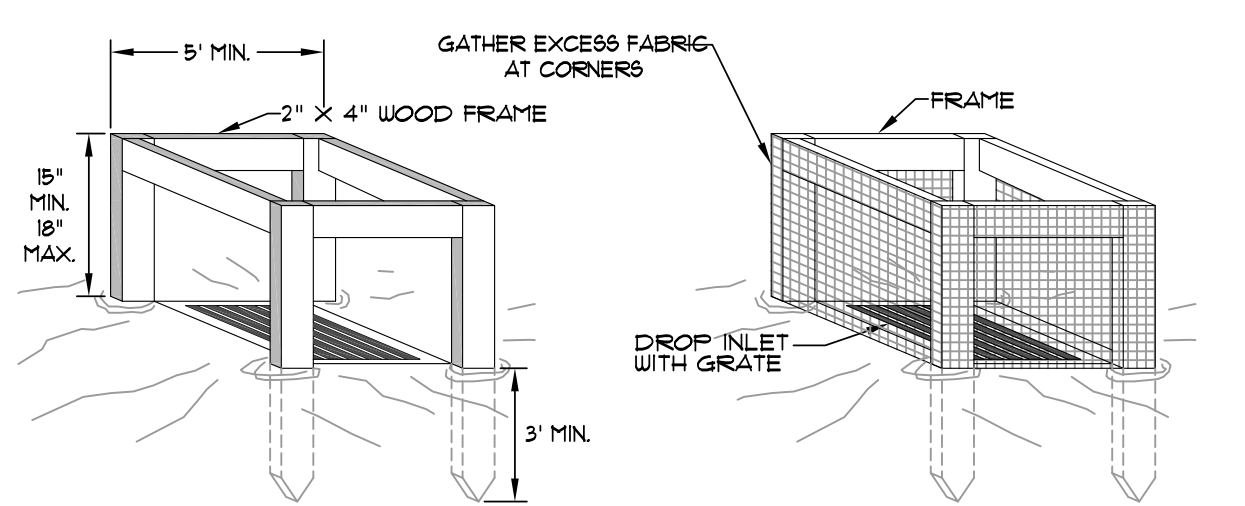
SECTION - DUMPED RIPRAP

TOE EXCAVATION IN SOIL



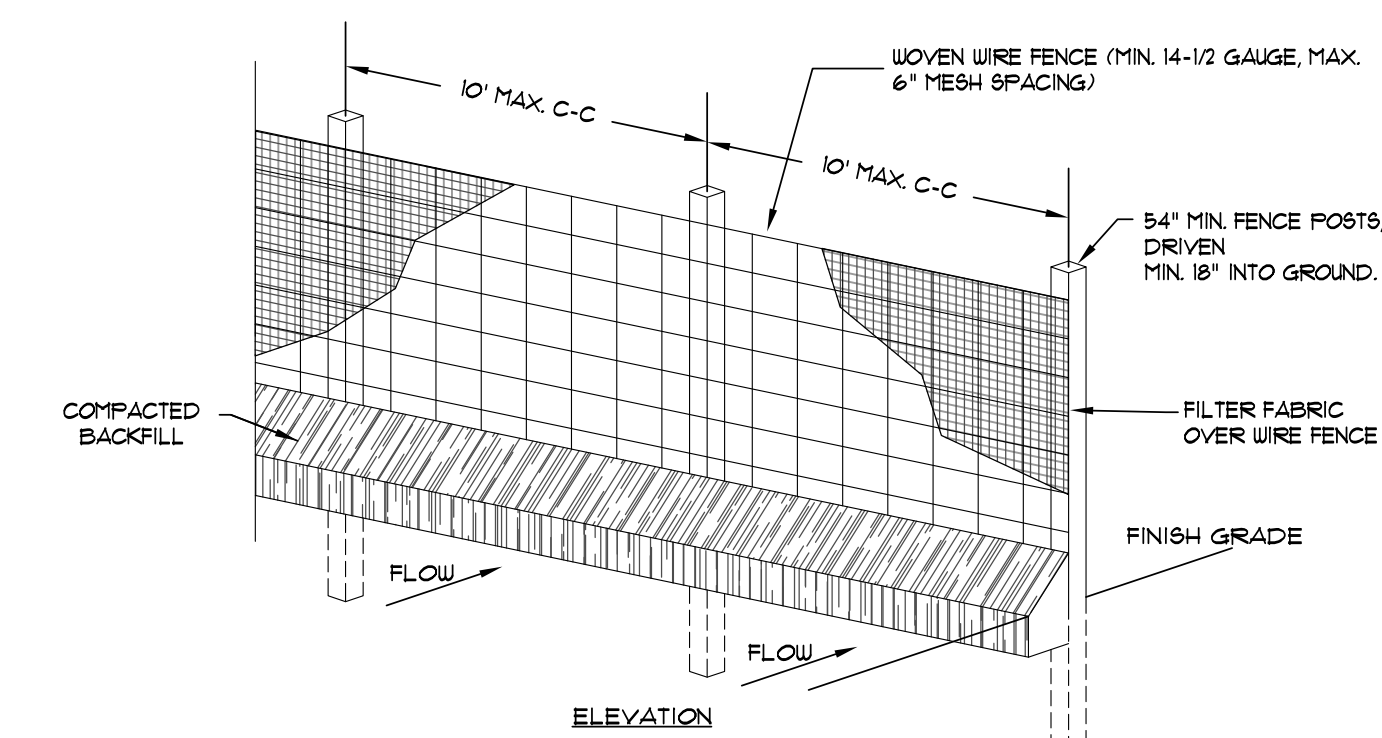
CONSTRUCTION ENTRANCE

NOT TO SCALE



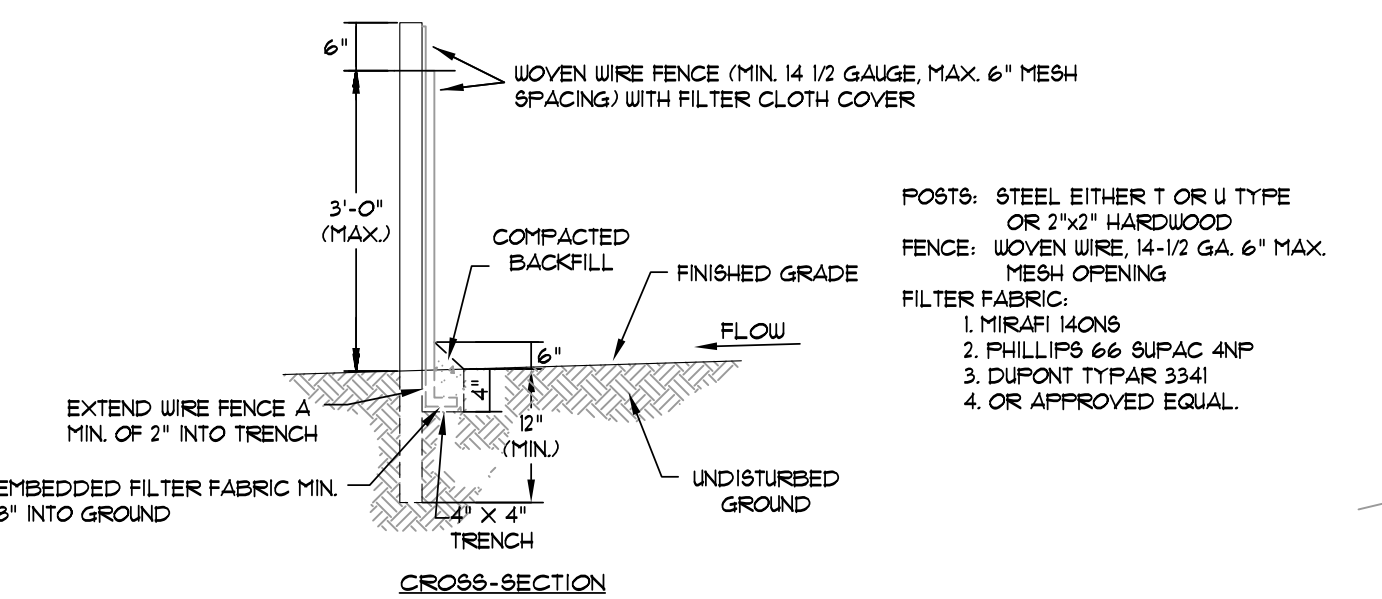
SILT FENCE INLET PROTECTION

SCALE: 1/2" = 1'-0"



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

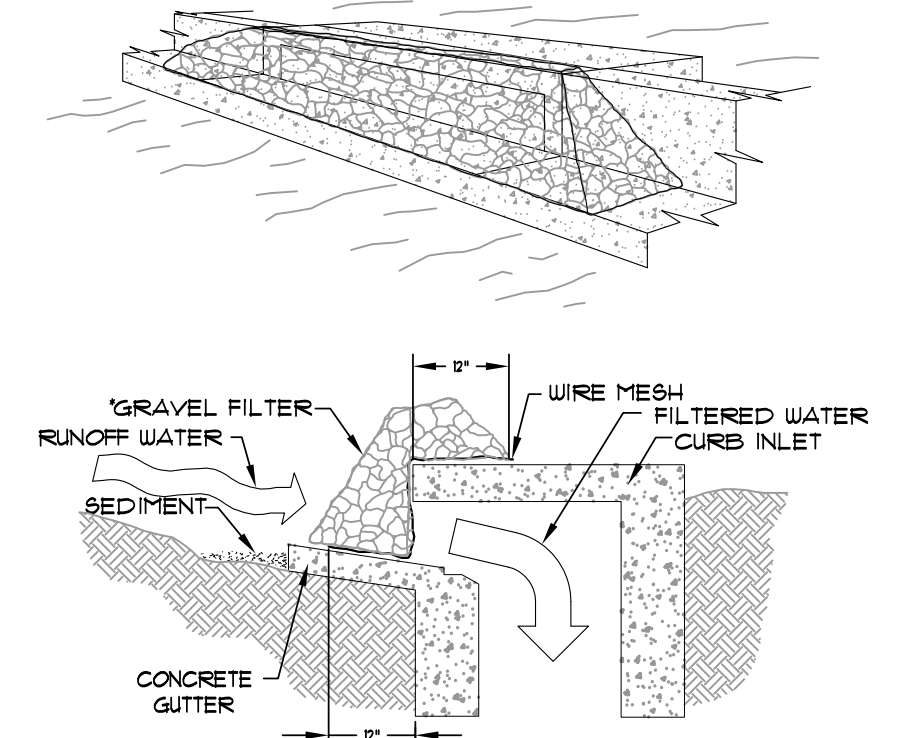
SCALE: 1/2" = 1'-0"



SILT FENCE

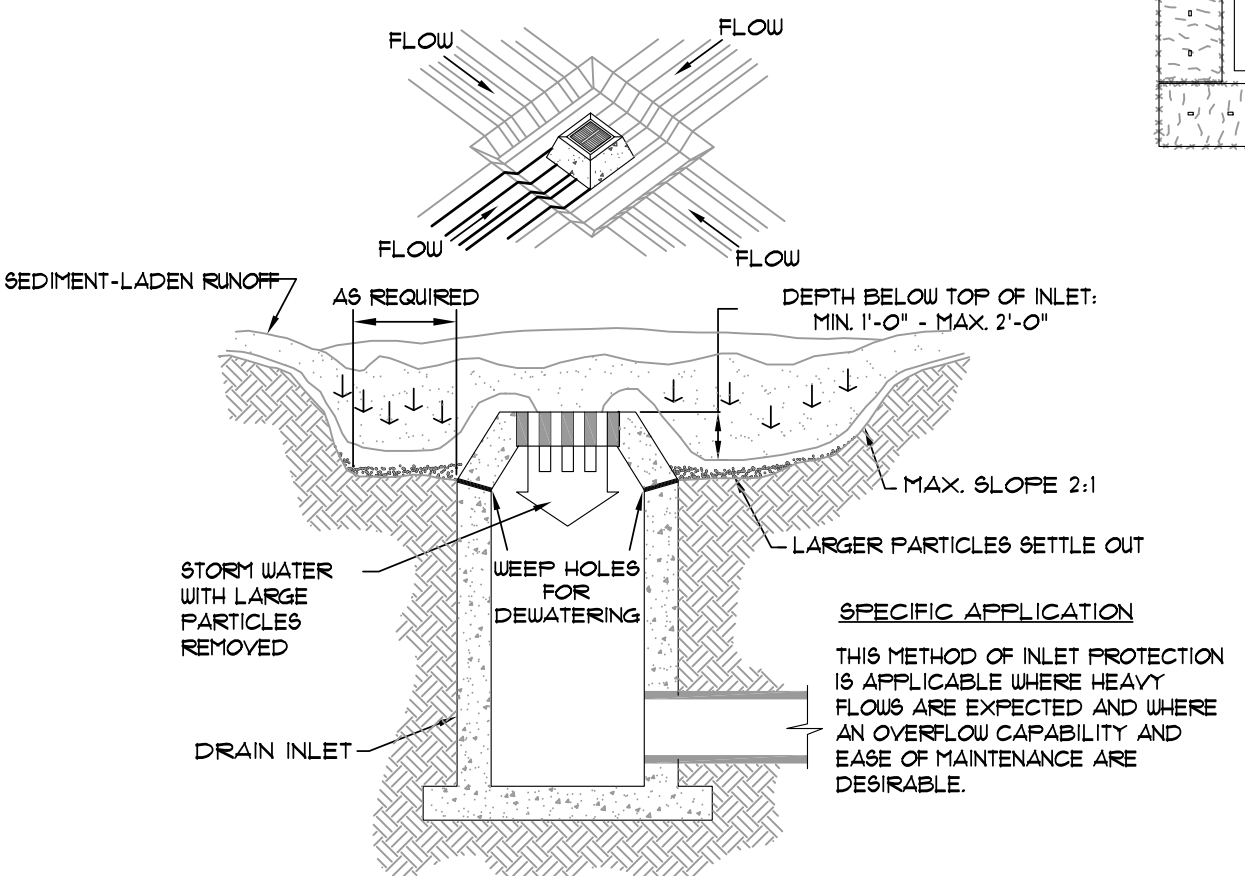
NOT TO SCALE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



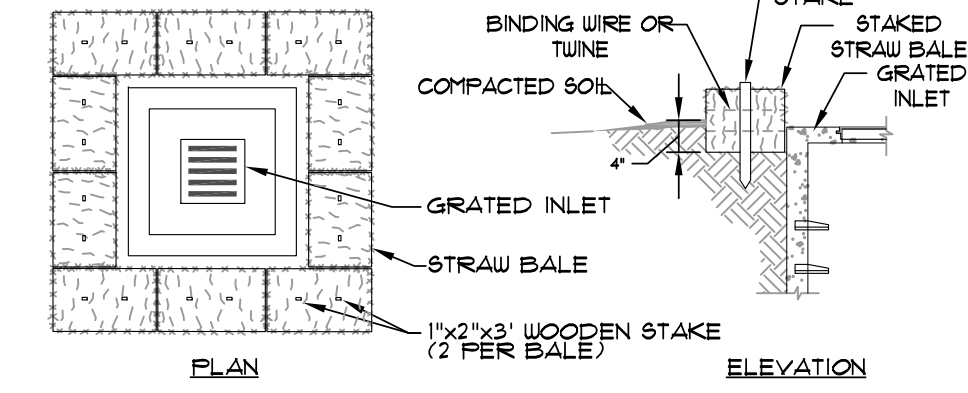
GRAVEL CURB INLET SEDIMENT FILTER

SCALE: 1/2" = 1'-0"



EXCAVATED INLET SEDIMENT TRAP

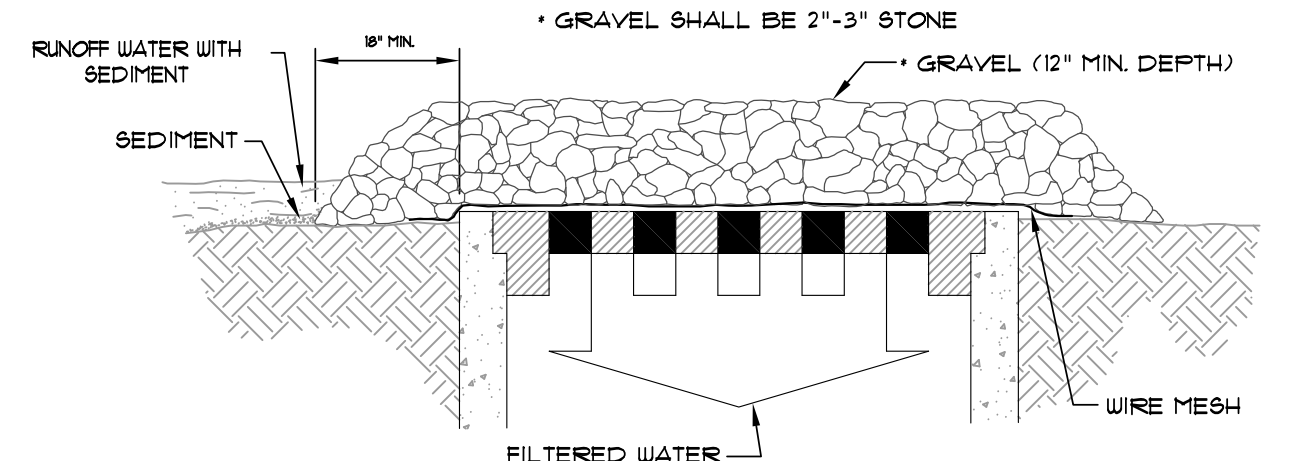
SCALE: 1/4" = 1'-0"



STRAW BALE INLET SEDIMENT FILTER

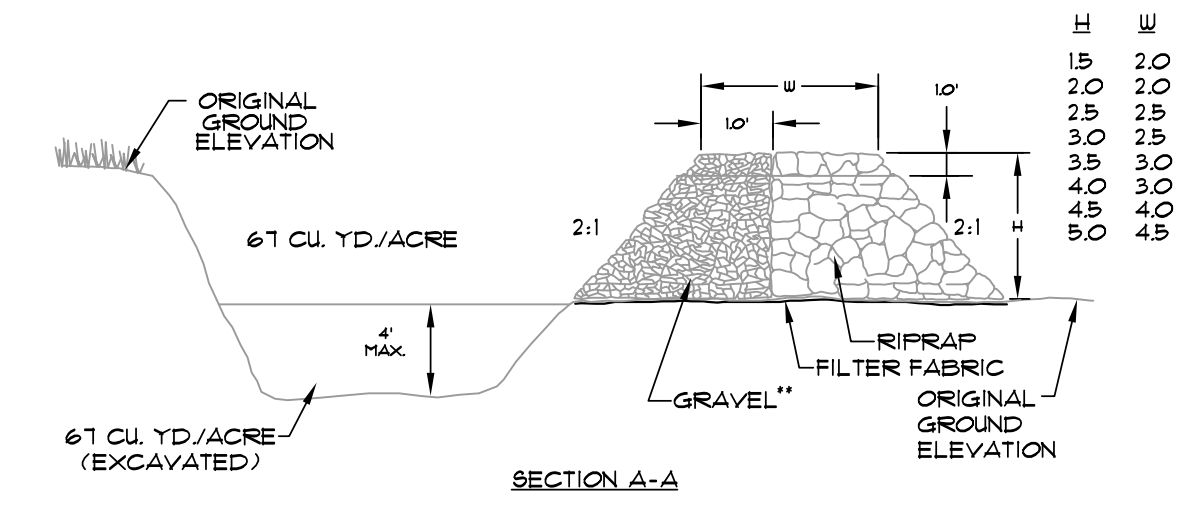
SCALE: 1/2" = 1'-0"

- GENERAL NOTES:
1. BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
 2. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET WITH ENDS OF ADJACENT BALES PRESSED TOGETHER.
 3. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED AROUND THE INLET THE WIDTH OF A BALE TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
 4. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
 5. LOOSE STRAW SHALL BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

SCALE: 1/2" = 1'-0"

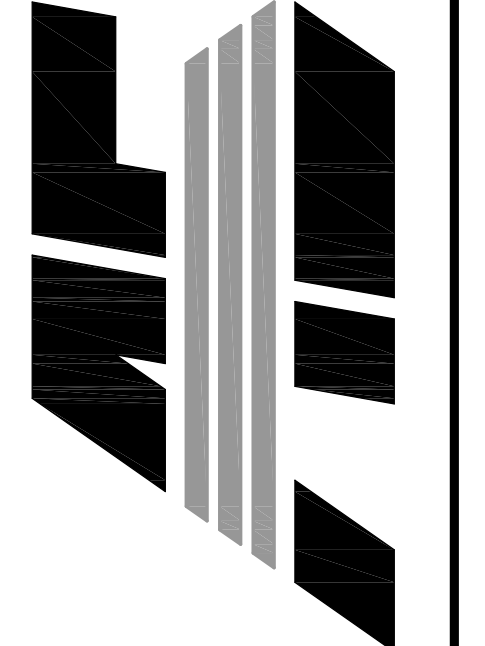


TEMPORARY SEDIMENT TRAP

SCALE: 3/8" = 1'-0"

FIRST NATIONAL BANK
 3500 EAST JOHNSON AVENUE
 HUT. 49 & HUT. 351
 JONESBORO, ARKANSAS

ASSOCIATED ENGINEERING, LLC
 CIVIL ENGINEERING • LAND SURVEYING
 LAND PLANNING
 103 SOUTH CHURCH STREET • P.O. BOX 1462
 JONESBORO, AR 72403
 PH: 870-932-3594 • FAX: 870-935-1263



NO.	DESCRIPTION	DATE

EROSION CONTROL DETAILS

DATE: 06/27/16	DRAWN: CCH
CADD FILE: 15165-SDP	CHECKED: JME
DWG# 0414104.000X	SHEET
SCALE: 1" = 40'	C012