GAS METER	STORM DRAIN MANHOLE		ASPHALT
WATER METER	SEWER CLEANOUT		CONCRETE
GUY WIRE	N NORTH		
POWER/UTILITY POLE	S SOUTH		
TELEPHONE PEDESTAL	E EAST		
SEWER MANHOLE	W WEST		
WATER VALVE	(M) AS MEASURED		SET 1/2" REBAR w/ CAP #1853
FIRE HYDRANT	(D) PER DEED		SET COTTON-PICKER SPINDLE
SIGNS	(R) RECORDED		FOUND MONUMENT (DESC. NOTED)
LIGHT POLE	R/W RIGHT-OF-WAY		COMPUTED CORNER (NOT SET)
TELEPHONE MANHOLE	L.A. LANDSCAPED AREA		CORRESPONDS TO DRAWING NOTE
SS SANITARY SEWER LINE	CR4 CAPPED 1/2" REBAR		
W WATER LINE	CONC. CONCRETE		
STORM SEWER PIPE	P.O.C. POINT OF COMMENCEMENT		
ROADWAY CENTERLINE	P.O.B. POINT OF BEGINNING		
UTILITY EASEMENT	CMP CORRUGATED METAL PIPE		
BUILDING SETBACK LINE	RCP REINFORCED CONCRETE PIPE		
R/W ROADWAY RIGHT-OF-WAY	ESMT EASEMENT		
OHE OVERHEAD ELECTRIC LINES	HDPE HIGH DENSITY POLYETHYLENE		
UGT UNDERGROUND TELEPHONE	SUBD SUBDIVISION		
G UNDERGROUND GAS	FDC FIRE DEPARTMENT CONNECTION		
F.O. UNDERGROUND FIBER OPTIC	CPS COTTON PICKER SPINDLE		
	P5 5/8" PIPE		

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C1.0	COVER SHEET
C1.1	OVERALL SITE PLAN
C1.2	SITE PLAN
C1.3	SITE DETAILS
C1.4	GRADING PLAN
C1.5	STORM SEWER PLAN
C1.6	STORM SEWER PROFILE
C1.7	UTILITY PLAN
C1.8	SANITARY SEWER PROFILE
C1.9	UTILITY DETAILS
C1.10	UTILITY DETAILS
C1.11	PRE DRAINAGE MAP
C1.12	POST DRAINAGE MAP
C1.13	LANDSCAPE PLAN
C1.14	STORM WATER POLLUTION PREVENTION PLAN
C1.15	SWPPP DETAILS
AA-1	3D VIEWS -ISO
AA-2	3D VIEWS
AA-3	3D VIEWS
AA-4	3D VIEWS-INTERIOR
AA-5	FLOOR PLAN- FURNITURE
AA-6	EXTERIOR ELEVATIONS
AA-7	EXTERIOR ELEVATIONS
AA-8	EXTERIOR ELEVATIONS



Vicinity Map

SCALE 1" = 1000'

BRYANT SEMINARY

HIGHWAY 5
BRYANT, AR

GENERAL CONSTRUCTION NOTES

A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PROPERTY DAMAGE.

B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.

C. THE DUTY OF THE LOCAL UTILITY PROVIDER TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE LOCAL PROVIDER'S WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS.

E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

F. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

G. PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY THE LOCAL UTILITY PROVIDER. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.

I. FIBER OPTIC CABLE ON AND/OR ADJACENT TO THIS SITE WERE NOT LOCATED BY THE SURVEY AND ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS SITE AND TAKE ALL NECESSARY AND REQUIRED PRECAUTIONS TO PROTECT ANY EXISTING FIBER OPTIC CABLES. CONTRACTORS SHALL COORDINATE ALL EFFORTS WITH OWNER OF FIBER OPTIC CABLES OR THEIR DESIGNATED REPRESENTATIVE.

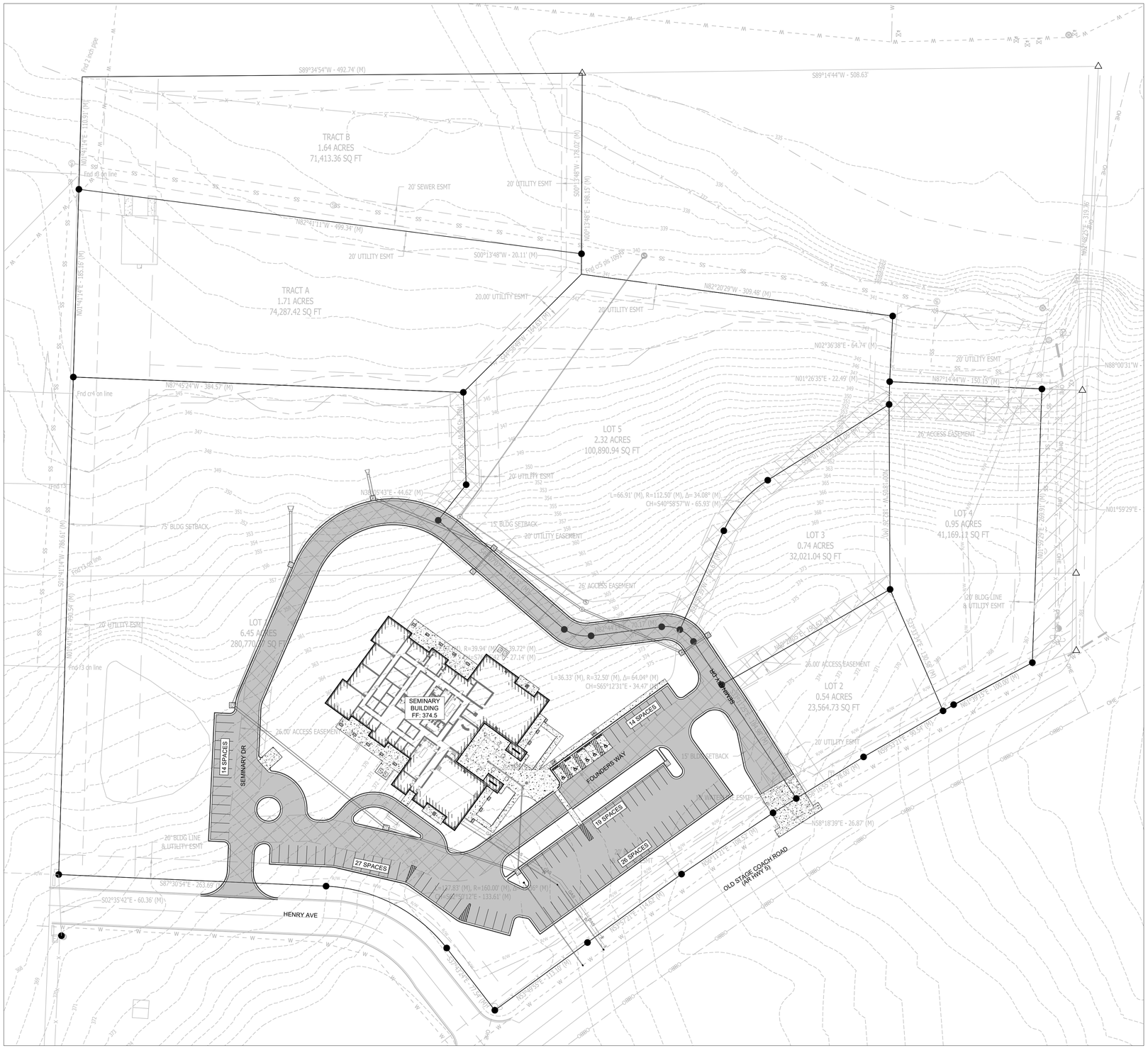
J. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.

DEVIATIONS/VARIANCES

PHILLIP LEWIS ENGINEERING, INC.

Structural + Civil Consultants

23620 Interstate 30 | Bryant, Arkansas
PH: 501-350-9840



SITE LAYOUT PLAN

SCALE .1" = 50'

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PHILLIP LEWIS ENGINEERING, INC.
Structural + Civil Consultants
23620 Interstate 30 | Bryant, Arkansas
PH: 501-350-9840

REVISION:

BRYANT SEMINARY
HIGHWAY 5
BRYANT, ARKANSAS

CERTIFICATE OF AUTHORIZATION
PHILLIP LEWIS ENGINEERING, INC.
No. 566
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
PHILLIP LEWIS
No. 13540
PHILLIP LEWIS

N

0 50'

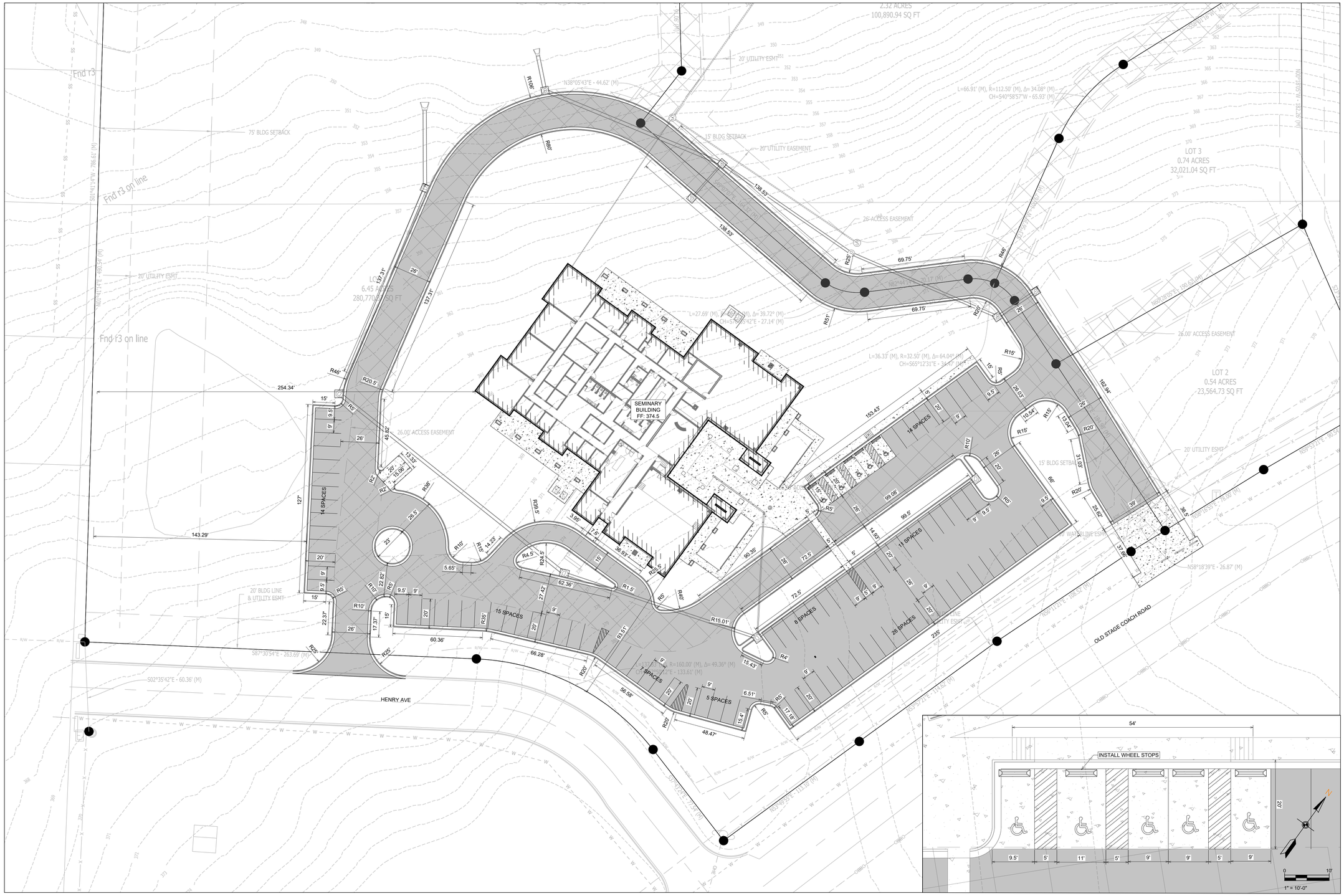
1" = 50'-0"

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
C1.1



SITE PLAN

SCALE 1" = 30'

GENERAL SITE NOTES

1. TOTAL NEW DEVELOPMENT AREA = (+/-) 4.96 ACRES
2. PROPERTY IS ZONED C-2
3. 100 PARKING SPACES PROVIDED INCLUDING 5 ADA ACCESSIBLE PARKING SPACES
4. ALL DIMENSIONS ARE TO THE BACK OF CURB AND/OR EDGE OF PAVEMENT
5. DAMAGE TO PUBLIC AND PRIVATE PROPERTY DUE TO HAULING OPERATIONS OR OPERATIONS OF CONSTRUCTION RELATED EQUIPMENT FROM A CONSTRUCTION SITE SHALL BE REPAIRED BY THE THE RESPONSIBLE PARTY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
6. REPAIR, REPLACE, OR EXTEND EXISTING DAMAGED OR MISSING CURB AND GUTTER, SIDEWALK OR RAMPS WITHIN THE PUBLIC RIGHT OF WAY.
7. ALL SIGNAGE, PAVEMENT MARKING AND PARKING LOT STRIPING SHALL CONFORM TO REQUIREMENTS GIVEN IN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MUTCD REQUIRES THAT PARKING SPACES BE MARKED IN WHITE.

N

0 30'

1" = 30'-0"

ADA PARKING STALLS

SCALE 1" = 10'

PHILLIP LEWIS ENGINEERING, INC.
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REVISION:

BRYANT SEMINARY
HIGHWAY 5
BRYANT, ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
PHILLIP LEWIS
No. 9540

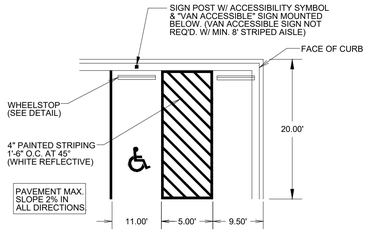
CERTIFICATE OF AUTHORIZATION
PHILLIP LEWIS ENGINEERING, INC.
No. 566
ARKANSAS ENGINEER

PROJECT NUMBER:

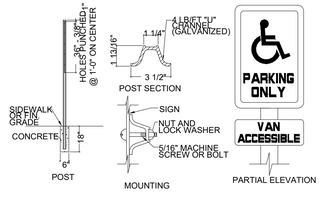
SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
SITE PLAN

SHEET NUMBER:
C1.2



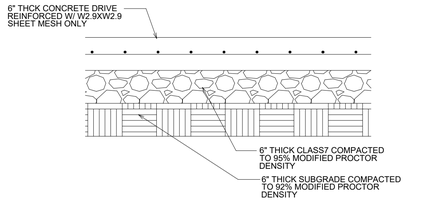
TYPICAL ACCESSIBLE PARKING STALLS



HANDICAP SIGN DETAIL

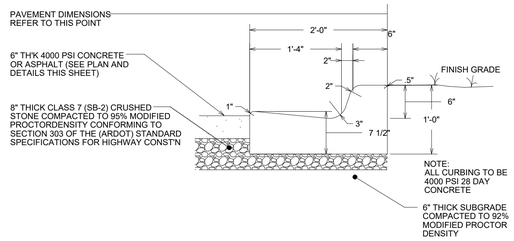
NOT TO SCALE

NOTE:
HANDICAP SIGNAGE SHALL BE IN STRICT COMPLIANCE WITH CURRENT FEDERAL AND LOCAL LAW REQUIREMENTS



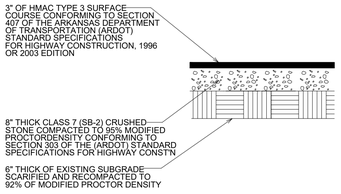
CONCRETE DRIVE SECTION

NOT TO SCALE



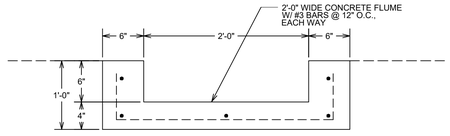
2'-0" CONCRETE CURB & GUTTER

NOT TO SCALE



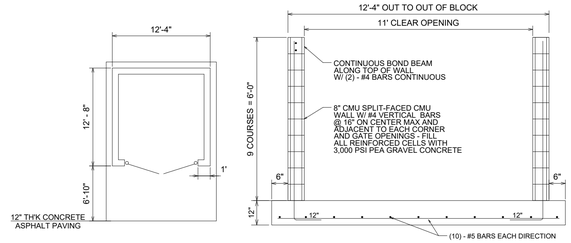
HMAC ASPHALT SURFACE COURSE

NOT TO SCALE



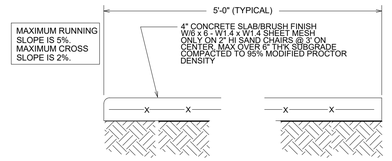
CONCRETE FLUME DETAIL

NOT TO SCALE



DUMPSTER PAD/ENCLOSURE DETAIL

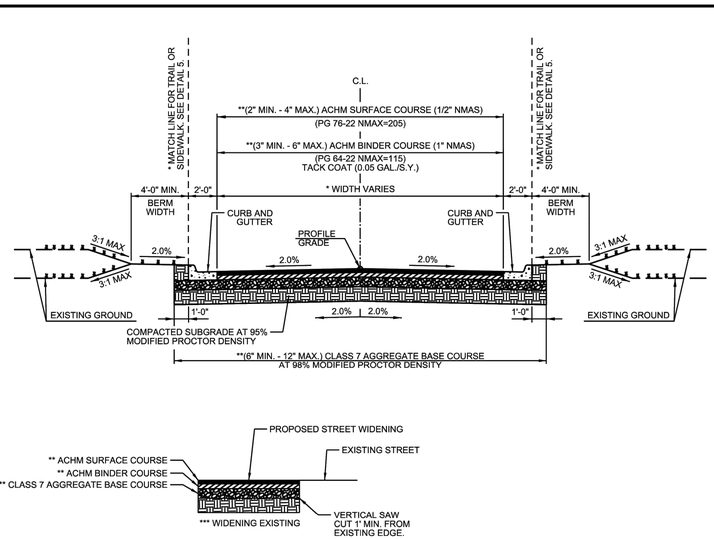
NOT TO SCALE



CONCRETE WALK SECTION

NOT TO SCALE

NOTE:
ALL SIDEWALK JOINTS TO BE STEEL TROWELED. ALL JOINT EDGES AND SHALL BE SPACED AT 5 FEET ON CENTER MAXIMUM IN ALL DIRECTIONS AND SHALLBE STEEL TROWELED ON A RADIUS NOT TO EXCEED ONE-HALF INCH.



GENERAL NOTES

1. IN AREAS TO RECEIVE BITUMINOUS PAVING, CONCRETE DRIVEWAYS OR CURB AND GUTTER, SUBGRADE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OF MAXIMUM MODIFIED DENSITY OBTAINED AT OPTIMUM MOISTURE CONTENT.
2. FOR AREAS OF SUBGRADE PREPARATION TO RECEIVE CONCRETE SIDEWALKS, SUBGRADE SHALL BE COMPACTED TO DENSITY OF 90% MAXIMUM MODIFIED DENSITY.
3. CRUSHED STONE - MATERIAL IN EACH COURSE SHALL BE COMPACTED TO A DENSITY OF 98% MAXIMUM MODIFIED DENSITY.
4. ACHM BASE COURSE (4" MIN. - 12" MAX) (1 1/2" NMAS) MAY BE USED IF INCLUDED IN AN APPROVED PAVEMENT DESIGN.

* CROSS SECTIONS AND RIGHT-OF-WAY SHALL ADHERE TO THE MINIMUM WIDTH REQUIREMENTS SHOWN IN THE CITY OF BRYANT MASTER TRANSPORTATION PLAN. THE DEVELOPMENT REVIEW COMMITTEE SHALL DETERMINE WHICH VERSION OF STREET CLASSIFICATION AND WHAT WIDTHS WILL BE REQUIRED.

** THICKNESS TO BE DETERMINED BY PAVEMENT DESIGN IN ACCORDANCE WITH SECTION 5.0 OF THE MINIMUM STANDARD SPECIFICATIONS FOR STREETS.

*** PAVEMENT RECONSTRUCTION TO CENTERLINE IS REQUIRED WHEN EXISTING STREET DOES NOT MEET THESE STANDARDS.

CITY OF BRYANT

TYPICAL SECTION MINOR ARTERIAL

ISSUE DATE
AUGUST 2021

DETAIL 1

REVISION DATE

PHILLIP LEWIS ENGINEERING, INC.
Structural + Civil Consultants
23620 Interstate 30 | Bryant, Arkansas
PH: 501-350-9840

REVISION:

BRYANT SEMINARY
HIGHWAY 5
BRYANT, ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
PHILLIP LEWIS
No. 13540
PRELIMINARY NOT FOR CONSTRUCTION
CERTIFICATE OF AUTHORIZATION
PHILLIP LEWIS ENGINEERING, INC.
No. 566
ARKANSAS--ENGINEER

N
0
60'
1" = 60'-0"

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
SITE DETAILS

SHEET NUMBER:
C1.3

GRADING PLAN

SCALE 1" = 30'

TC = TOP OF CURB ELEVATION
G = GUTTER ELEVATION
TOC = TOP OF CONCRETE ELEVATION
FG = FINAL GRADE ELEVATION
TP = TOP OF PAVEMENT ELEVATION
EG = EXISTING GRADE ELEVATION

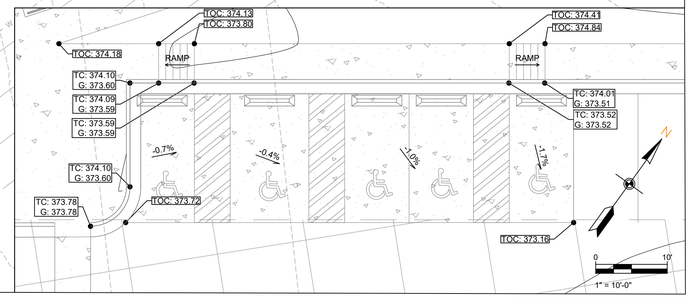
N

0 30'

1" = 30'-0"

ADA PARKING STALLS

SCALE 1" = 10'



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REVISION:

BRYANT SEMINARY
HIGHWAY 5
BRYANT, ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
PHILLIP LEWIS
No. 2015.0540
PHILLIP LEWIS
ENGINEERING, INC.
No. 566
CERTIFICATE OF AUTHORIZATION
ARKANSAS ENGINEER

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
GRADING PLAN

SHEET NUMBER:
C1.4

FE-C6
24" TYPICAL FLARED END
STA: 3+96.79
INV IN: 349.00 24" RCP

CI-C5
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 3+72.62
RIM: 355.62
SUMP: 350.02
INV IN: 350.85 24" RCP FROM CI-C4
INV OUT: 350.75 24" RCP TO FE-C6

24.17' of 24" RCP @ 7.25%

FE-A6
24" TYPICAL FLARED END
STA: 7+14.89
INV IN: 351.83 24" RCP

52.78' of 24" RCP @ 8.14%

CI-A5
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 6+62.11
RIM: 361.86
SUMP: 356.12
INV IN: 356.12 24" RCP FROM CI-A4
INV OUT: 356.12 24" RCP TO FE-A6

128.86' of 24" RCP @ 2.91%

CI-C4
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 2+43.74
RIM: 359.44
SUMP: 354.43
INV IN: 354.70 18" RCP FROM JB-C3
INV IN: 354.70 12" RCP FROM CI-D1
INV OUT: 354.60 24" RCP TO CI-C5

50.74' of 12" RCP @ 1.00%

STORM SEWER "D"

105.76' of 18" RCP @ 1.91%

CI-D1
CURB INLET JUNCTION BOX
WITH 8-0' THROAT
OPENING (4' ID)
STA: 0+00.00
RIM: 360.06
SUMP: 355.01
INV OUT: 355.01 12" RCP TO CI-C4

JB-C3
JUNCTION BOX (4' ID)
STA: 1+37.98
RIM: 365.77
SUMP: 360.74
INV IN: 361.05 18" RCP FROM CI-C2
INV OUT: 360.95 18" RCP TO CI-C4

STORM SEWER "C"

107.79' of 18" RCP @ 6.06%

CI-C1
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 0+00.00
RIM: 371.58
SUMP: 368.00
INV OUT: 368.00 18" RCP TO CI-C2

30.68' of 18" RCP @ 1.14%

CI-C2
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 0+30.68
RIM: 371.25
SUMP: 367.55
INV IN: 367.55 18" RCP FROM CI-C1
INV OUT: 367.55 18" RCP TO JB-C3

CI-A4
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 5+12.22
RIM: 368.66
SUMP: 363.62
INV IN: 363.72 24" RCP FROM CI-A3
INV OUT: 363.62 24" RCP TO CI-A5

106.89' of 24" RCP @ 5.01%

193.38' of 24" RCP @ 1.99%

STORM SEWER "A"

SEMINARY
BUILDING
FF: 374.5

AI-B1
8" NYLOPLAST AREA INLET
STA: 0+00.00
RIM: 373.86
SUMP: 370.99
INV OUT: 370.99 8" HDPE TO AI-B2

40.74' of 8" HDPE @ 3.00%

AI-B2
8" NYLOPLAST AREA INLET
STA: 0+40.74
RIM: 373.86
SUMP: 369.67
INV IN: 369.77 8" HDPE FROM AI-B1
INV OUT: 369.67 8" HDPE TO CI-A2

STORM SEWER "B"

84.54' of 8" HDPE @ 3.00%

2' CONCRETE FLUME
TO 2' REAR OPENING
IN JB-A1

CI-A1
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
(2' SIDE OPENING)
STA: 0+00.00
RIM: 372.90
SUMP: 369.00
INV OUT: 369.00 15" RCP TO CI-A2

CI-A3
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
OPENING (4' ID)
STA: 3+18.76
RIM: 372.70
SUMP: 365.62
INV IN: 365.72 18" RCP FROM CI-A2
INV OUT: 365.62 24" RCP TO CI-A4

137.05' of 18" RCP @ 0.85%

184.77' of 15" RCP @ 1.03%

2' CONCRETE FLUME
TO 2' REAR OPENING
IN JB-A2

CI-A2
CURB INLET JUNCTION BOX
WITH 6-0' THROAT
(2' REAR OPENING)
STA: 1+81.71
RIM: 372.97
SUMP: 367.03
INV IN: 367.13 15" RCP FROM CI-A1
INV IN: 367.13 8" HDPE FROM AI-B2
INV OUT: 367.03 18" RCP TO CI-A3

OLD STAGE COACH ROAD

HENRY AVE

LOT 5
2.32 ACRES
100,890.94 SQ FT

LOT 3
0.74 ACRES
32,021.04 SQ FT

LOT 2
0.54 ACRES
23,564.73 SQ FT

26.00' ACCESS EASEMENT

20' UTILITY ESMT

75' BLDG SETBACK

20' BLDG LINE
& UTILITY ESMT

Fnd cr4 on line

Fnd r3

Fnd r3 on line

Fnd r3 on line

N87°45'24"W - 384.57' (M)

S01°41'14"W - 785.61' (M)

N01°41'14"E - 490.55' (M)

S87°30'54"E - 263.69' (M)

S02°35'42"E - 60.36' (M)

N01°26'35"E - 22.49' (M)

S03°53'16"W - 147.09' (M)

N03°33'21"E - 90.54'

N58°18'39"E - 26.87' (M)

N58°12'21"E - 108.52' (M)

N03°57'21"E - 114.62' (M)

N01°26'35"E - 190.64' (M)

S03°53'16"W - 46.67' (M)

N03°33'21"E - 43.00' (M)

L=66.91' (M), R=112.50' (M), Δ=34.08° (M)
CH=S40°58'57"W - 65.93' (M)

L=36.13' (M), R=32.50' (M), Δ=64.04° (M)
CH=S65°12'31"E - 34.47' (M)

L=27.60' (M), R=50.00' (M), Δ=31.62° (M)
CH=S73°03'52"E - 27.14' (M)

L=137.63' (M), R=250.00' (M), Δ=31.54° (M)
CH=S58°25'02"E - 135.92' (M)

STORM SEWER PLAN

SCALE 1" = 30'

N

0 30'

1" = 30'-0"

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Structural + Civil Consultants
23620 Interstate 30 | Bryant, Arkansas
PH: 501-350-9840

REVISION:

BRYANT SEMINARY
HIGHWAY 5
BRYANT, ARKANSAS

CERTIFICATE OF AUTHORIZATION
PHILLIP LEWIS ENGINEERING, INC.
No. 566
ARKANSAS-ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 17540
PHILLIP LEWIS

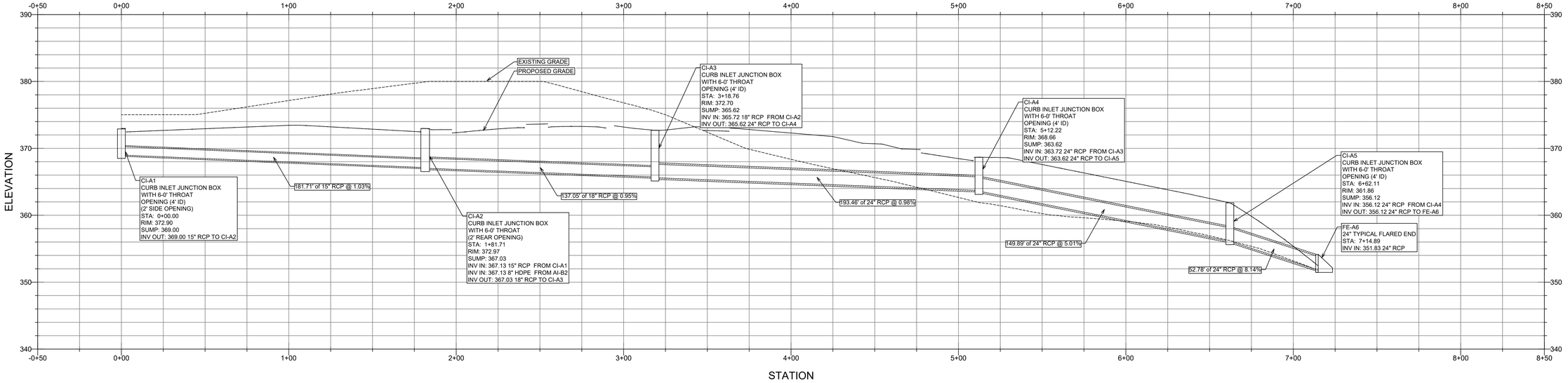
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SHEET ISSUE DATE:
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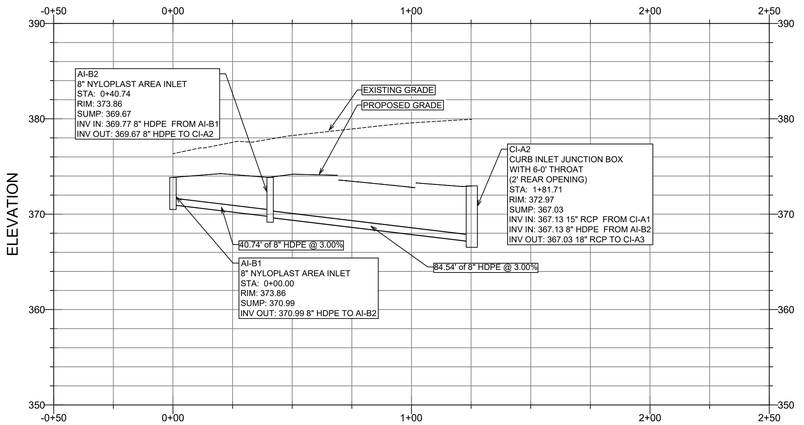
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SHEET NUMBER:
C1.5

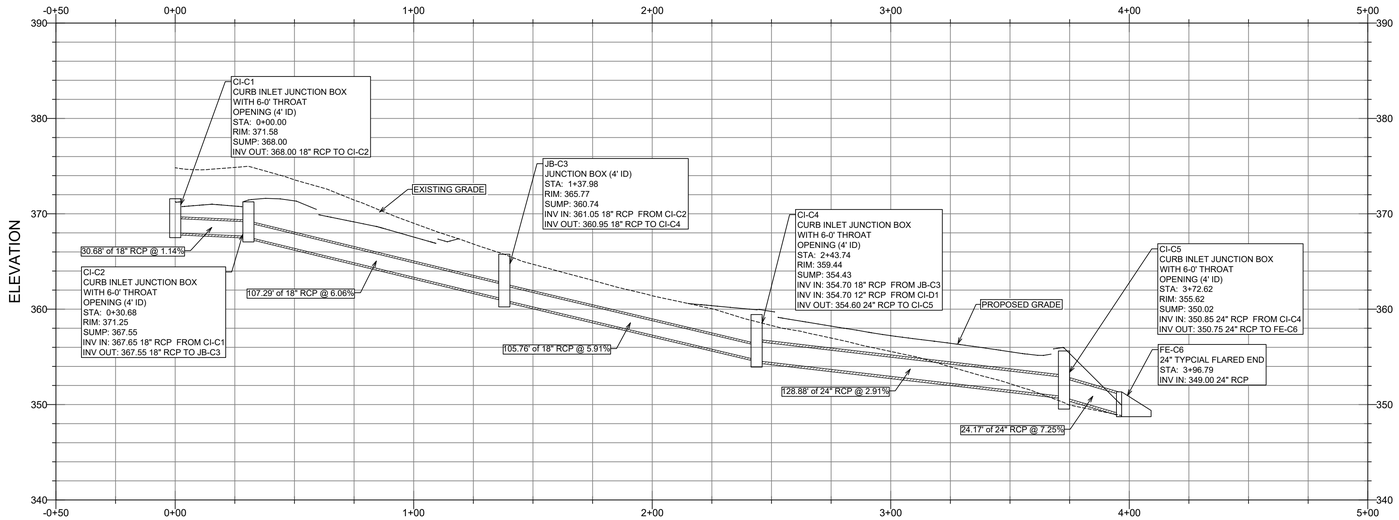
STORM SEWER A



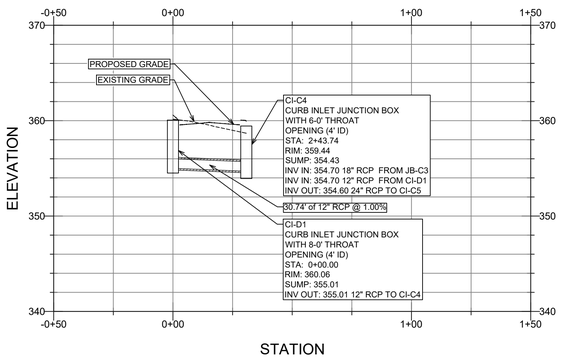
STORM SEWER B



STORM SEWER C



STORM SEWER D



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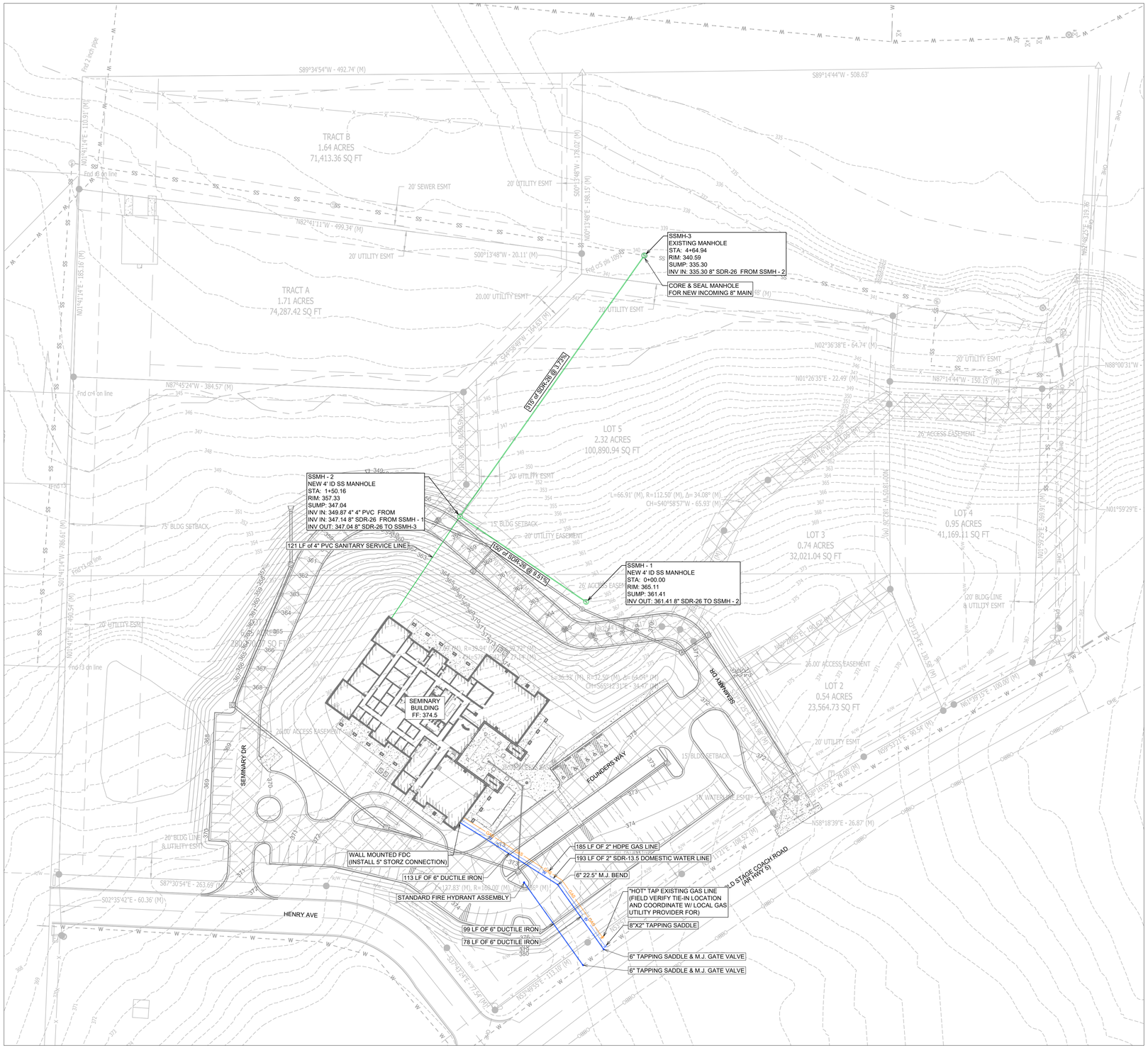
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9540
PHILLIP A. LEWIS

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
STORM SEWER PROFILES

SHEET NUMBER:
C1.6



UTILITY PLAN

SCALE 1" = 50'

GENERAL CONSTRUCTION NOTES

A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PROPERTY DAMAGE.

B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.

C. THE DUTY OF THE LOCAL UTILITY PROVIDER TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE LOCAL PROVIDER'S WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS.

E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

F. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

G. PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY THE LOCAL UTILITY PROVIDER. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.

I. FIBER OPTIC CABLE ON AND/OR ADJACENT TO THIS SITE WERE NOT LOCATED BY THE SURVEY AND ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS SITE AND TAKE ALL NECESSARY AND REQUIRED PRECAUTIONS TO PROTECT ANY EXISTING FIBER OPTIC CABLES. CONTRACTORS SHALL COORDINATE ALL EFFORTS WITH OWNER OF FIBER OPTIC CABLES OR THEIR DESIGNATED REPRESENTATIVE.

J. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.

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No. 566
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
PHILLIP LEWIS
No. 13540

N

0 50'

1" = 50'-0"

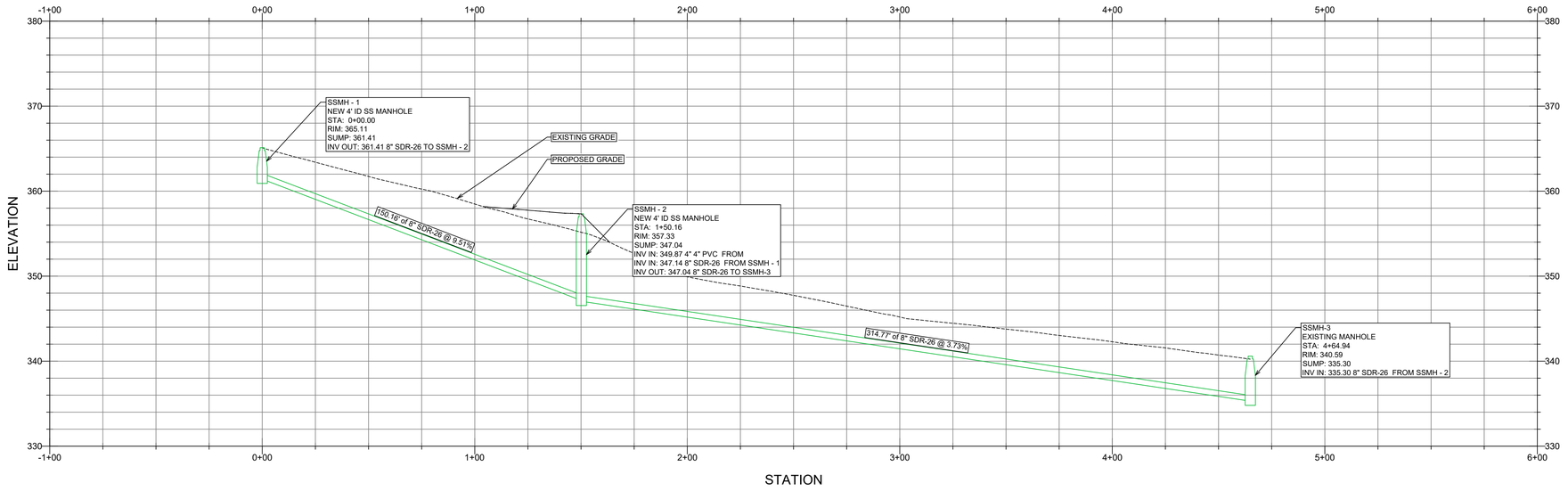
PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
UTILITY PLAN

SHEET NUMBER:
C1.7

SANITARY SEWER



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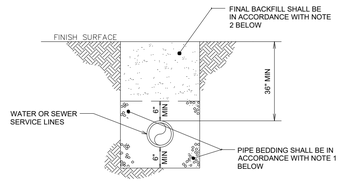
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9540
PHILLIP A. LEWIS

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
SANITARY SEWER PROFILE

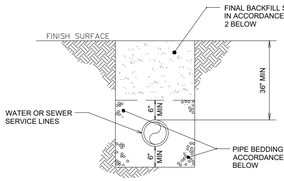
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GAS LINE BEDDING DETAIL

NOT TO SCALE

NOTES:
1. BEDDING SHALL BE "GRIT" PER ASTM 2774 OR ASTM D448 SIZE 67 A MINIMUM OF 6" ALL AROUND PIPE.
1. BEDDING SHALL BE CLEAN SAND A MINIMUM OF 6" ALL AROUND PIPE.
2. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR. ALL BACKFILL UNDER PAVED AREAS SHALL BE CLASS 7 CRUSHED STONE (SB-2) COMPACTED TO 95% STANDARD PROCTOR DENSITY.
3. ALL MATERIALS CLASSIFIED IN ACCORDANCE WITH ASTM D2321-89.
4. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LIFTS IN ACCORDANCE WITH ASTM D698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED TO NEAR OPTIMUM MOISTURE CONTENT.
5. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS, AND ROCK LARGER THAN 3".
6. ALL TRENCH EXCAVATION SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.



WATER AND SEWER LINES BEDDING DETAIL

NOT TO SCALE

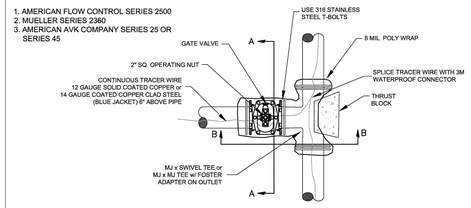
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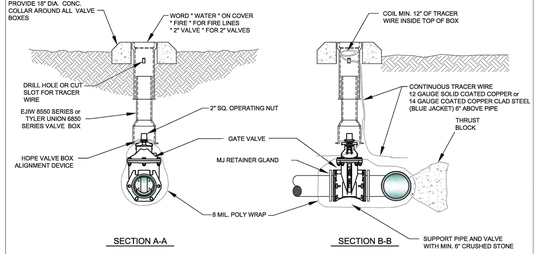


THROUGH FLOW CLEANOUT

NOT TO SCALE

PERMITTED VALVES
1. AMERICAN FLOW CONTROL SERIES 2500
2. MUELLER SERIES 2360
3. AMERICAN AVK COMPANY SERIES 25 OR SERIES 45





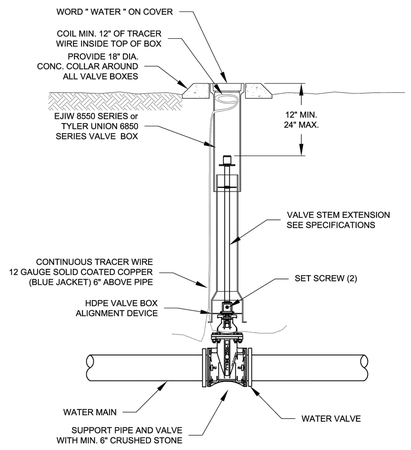
NOTES:
1. ALL VALVES SHALL BE SECURELY ANCHORED TO THE TEE.
2. ALL HARDWARE SHALL BE 316 STAINLESS STEEL.
3. IF DEPTH OF BURY EXCEEDS 4 FT., A VALVE STEM EXTENSION SHALL BE REQUIRED. THE VALVE STEM EXTENSION NUT SHALL BE WITHIN 24-INCHES TO 12-INCHES OF THE FINISHED SURFACE.

GATE VALVE DETAIL

2" - 12"

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: GATE VALVE	REVISED ----- ----- ----- -----	W4
	DRAWN BY: CHECKED BY: FILE: W4-Gate Valve.dwg		

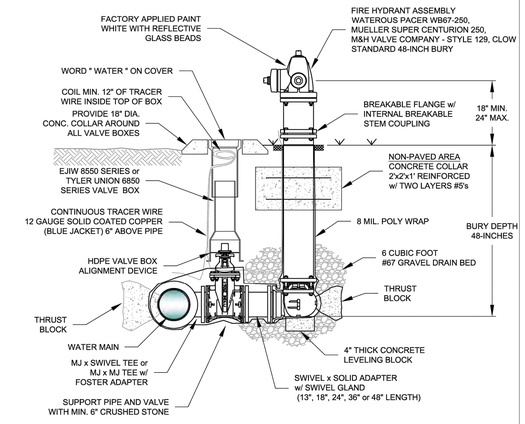
NOTES:
1. OPERATING NUT EXTENSIONS SHALL BE USED WHEN THE TOP OF THE OPERATING NUT IS GREATER THAN 4 FEET FROM THE TOP OF FINISHED SURFACE.
2. THE STEM EXTENSION SHALL BE OF ADEQUATE LENGTH TO REACH FROM THE VALVE OPERATING NUT TO A POINT WITHIN 24-INCHES TO 12-INCHES OF THE FINISHED SURFACE.



VALVE WITH STEM EXTENSION

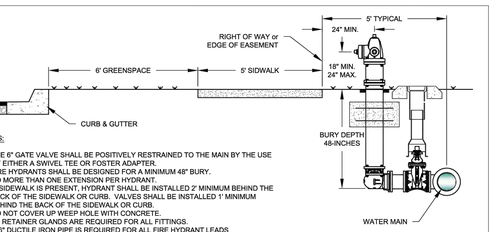
CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: VALVE STEM EXTENSION	REVISED ----- ----- ----- -----	W7
	DRAWN BY: CHECKED BY: FILE: W7-Valve Stem Extension.dwg		

NOTES:
1. THE 6" GATE VALVE SHALL BE POSITIVELY RESTRAINED TO THE MAIN BY THE USE OF EITHER A SWIVEL TEE OR FOSTER ADAPTER.
2. FIRE HYDRANTS SHALL BE DESIGNED FOR A MINIMUM 48" BURY.
3. BURY LINE OF HYDRANT SHALL BE NO LESS THAN THE PROPOSED FINISHED ELEVATION OF BACK OF CURB, OR SIDEWALK, WHICHEVER IS GREATER.
4. NO MORE THAN ONE EXTENSION PER HYDRANT.
5. IF SIDEWALK IS PRESENT, HYDRANT SHALL BE INSTALLED 2' MINIMUM BEHIND THE BACK OF THE SIDEWALK OR CURB. VALVES SHALL BE INSTALLED 1' MINIMUM BEHIND THE BACK OF THE SIDEWALK OR CURB.
6. DO NOT COVER UP WEEP HOLE WITH CONCRETE.
7. MJ RETAINER GLANDS ARE REQUIRED FOR ALL FITTINGS.
8. 7. 6" DUCTILE IRON PIPE IS REQUIRED FOR ALL FIRE HYDRANT LEADS GREATER THAN 48-INCHES FROM THE MAIN VALVE.
9. AN ADDITIONAL GUARDIAN VALVE IS REQUIRED FOR ALL FIRE HYDRANT LEADS GREATER THAN 30 FEET IN LENGTH.

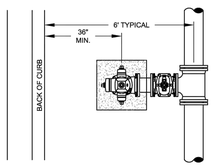


FIRE HYDRANT & VALVE CONNECTION

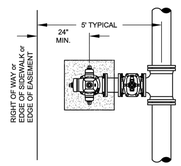
CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: FIRE HYDRANT AND VALVE CONNECTION	REVISED ----- ----- ----- -----	W8
	DRAWN BY: CHECKED BY: FILE: W8-Fire Hydrant and Valve.dwg		



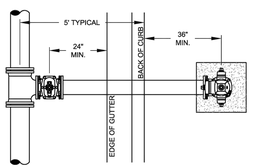
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8. AN ADDITIONAL GUARDIAN VALVE IS REQUIRED FOR ALL FIRE HYDRANT LEADS GREATER THAN 30 FEET IN LENGTH.



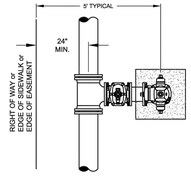
WATER LINE BEHIND CURB
INSIDE ROW



WATER LINE IN EASEMENT
OUTSIDE ROW

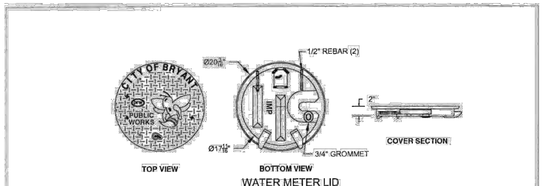


WATER LINE IN STREET
INSIDE ROW

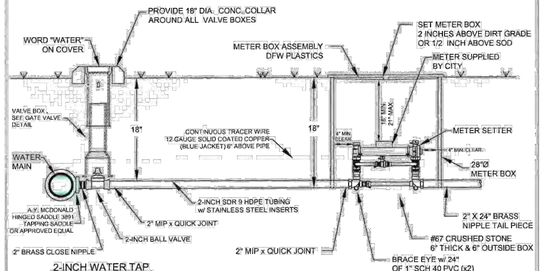


WATER LINE IN EASEMENT
OUTSIDE ROW

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: FIRE HYDRANT PLACEMENT	REVISED ----- ----- ----- -----	W9
	DRAWN BY: CHECKED BY: FILE: W9-Fire Hydrant Placement.dwg		



WATER METER LID



2-INCH WATER TAP

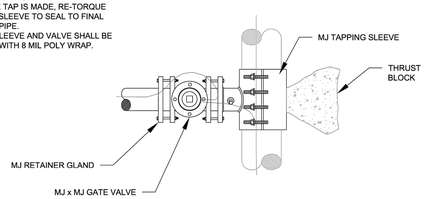
2-INCH METER SETTER

NOTES:
1. COORDINATE INSTALLATION AND CONFIGURATIONOF ALL 1-1/2" AND LARGER METER SETTINGS WITH THE CITY.
2. ALL METER BOXES SHALL BE INSTALLED IN NON-PAVED AREAS. ANY METER BOX THAT GETS PLACED IN A PAVED AREA SHALL BE RELOCATED AT THE OWNER'S EXPENSE BEFORE A WATER METER WILL BE INSTALLED.
3. SUPPORT METER INSTALLATION WITH 1"x24" SCH40 PVC THROUGH EACH BRACE EYE.

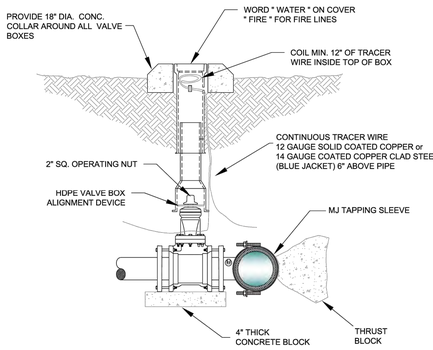
2" WATER SERVICE AND WATER METER

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: 2" WATER METER	REVISED ----- ----- ----- -----	W12
	DRAWN BY: CHECKED BY: FILE: W12-2 Inch Water Meter.dwg		

NOTES:
1. TAPPING SLEEVE SHALL BE SMITH-BLAIR 662 OR FORD FAST.
2. AFTER THE TAP IS MADE, RE-TORQUE BOLTS ON SLEEVE TO SEAL TO FINAL SHAPE OF PIPE.
3. TAPPING SLEEVE AND VALVE SHALL BE WRAPPED WITH 8 MIL POLY WRAP.

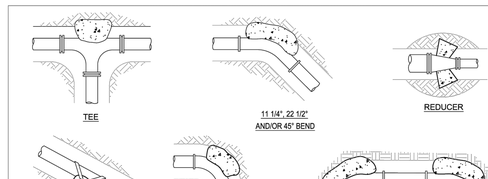


PLAN VIEW



PROFILE VIEW

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: TAPPING SLEEVE AND VALVE	REVISED ----- ----- ----- -----	W13
	DRAWN BY: CHECKED BY: FILE: W13-Topping Sleeve and Valve.dwg		



THRUST BLOCK SCHEDULE
(2000 PSF SOIL, 200 PSI WATER PRESSURE, 150 PSI WATER HAMMER)

BEARING AREA OF THRUST BLOCKS IN SQ. FT. (HORIZONTAL BENDS)					VOLUME OF THRUST BLOCK IN CU. FEET (VERTICAL BENDS)					
FITTING SIZE	PLUG TEE OR CAP	BEND ANGLE 90° *	45°	22 1/2°	11 1/4°	FITTING SIZE	BEND ANGLE 90° *	45°	22 1/2°	11 1/4°	ROD DIAM.	EMBED MENT
2, 3, & 4	1.9	2.7	1.4	0.7	0.4	2, 3, & 4	30.5	19.2	9.9	4.9	3/4"	30"
6	5.6	7.9	4.3	2.2	1.1	6	105.8	57.2	29.2	14.7	7/8"	30"
8	9.6	13.6	7.4	3.8	1.9	8	181.9	98.5	50.2	25.2	7/8"	30"
12	20.5	29.0	15.7	8.0	4.0	12	387.1	209.5	106.8	53.7	1.0"	30"
16	35.7	50.4	27.3	13.9	7.0	16	672.6	364.0	185.6	93.2	1.0"	36"
18	44.8	63.4	34.3	17.5	18.8	18	844.7	457.2	233.1	117.1	1.0"	36"
24	78.4	110.9	60.0	30.6	15.4	24	1478.7	800.3	408.0	205.0	1.5"	36"

* 90 DEGREE BENDS SHALL ONLY BE USED ON A BY-EXCEPTION BASIS, AND MUST EACH BE SPECIFICALLY APPROVED BY CITY.

THRUST BLOCK NOTES:
1. CONCRETE FOR THRUST BLOCKS - CLASS A CONCRETE SHALL DEVELOP NOT LESS THAN 3000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS AND BE PLACED AGAINST UNDISTURBED SOIL.
2. ALL BENDS, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED WITH CONCRETE. VERTICAL BENDS SHALL BE PLACED ON CONCRETE PADS WHERE BENDS TURN UP, OR LOADED WHERE BENDS TURN DOWN.
3. WRAP PIPE JOINTS IN 8 MIL "POLYETHLENE" BEFORE PLACING CONCRETE.
4. BEARING AREA SHOWN IN TABLE, IS BASED UPON A 2000 LB/SF, SOIL BEARING, AND UPON A PIPELINE PRESSURE OF 200 psi. PLUS 100 psi. WATER HAMMER. AREAS SHOWN SHALL BE ADJUSTED, SHOULD FIELD CONDITIONS VARY.
5. MJ RESTRAINTS ARE REQUIRED FOR ALL FITTINGS.
6. USE LONG-RADIUS FITTINGS WHEREVER POSSIBLE.
7. ALL BOLTS FOR FITTINGS SHALL BE 316 STAINLESS STEEL.
8. ALL DUCTILE IRON FITTINGS SHALL BE FUSION-BONDED EPOXY COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH ANSI/AWWA C116/A21.16.
9. UNIT WEIGHT OF CONCRETE FOR VERTICAL THRUST BLOCKS IS 150 LBS/CU. FT.

THRUST BLOCKING

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: THRUST BLOCKING	REVISED ----- ----- ----- -----	W16
	DRAWN BY: CHECKED BY: FILE: W16-Thrust Blocking.dwg		

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PH: 501-350-9840

REVISION:

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HIGHWAY 5
BRYANT, ARKANSAS

PHILLIP LEWIS ENGINEERING, INC. CERTIFICATE OF AUTHORIZATION ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 13540 PHILLIP LEWIS ENGINEERING, INC. No. 566 ARKANSAS—ENGINEER

PROJECT NUMBER:

SHEET ISSUE DATE: 10-09-2024

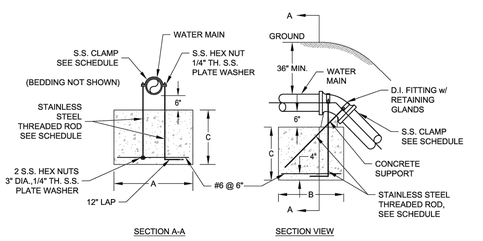
PAGE TITLE: UTILITY DETAILS

SHEET NUMBER: C1.9

BLOCKING SCHEDULE					
PIPE SIZE		BENDS			ROD DIA.
		45°	22 1/2°	11 1/4°	
8"	VOLUME REQ'D (CU. FT.)	98.5	50.2	25.2	3/4 IN.
	A (FT.)	5.00'	4.00'	3.00'	
	B (FT.)	4.00'	3.20'	2.80'	
	C (FT.)	5.00'	4.00'	3.00'	
	MIN. CLAMP (2 EA.)	3/8 IN. x 2 IN.			
12"	VOLUME REQ'D (CU. FT.)	209.5	106.8	53.7	3/4 IN.
	A (FT.)	6.00'	5.00'	4.00'	
	B (FT.)	6.00'	4.25'	3.50'	
	C (FT.)	6.00'	5.00'	4.00'	
	MIN. CLAMP (2 EA.)	1/2 IN. x 2' IN.			
18"	VOLUME REQ'D (CU. FT.)	457.2	233.1	117.1	1 IN.
	A (FT.)	8.00'	6.50'	5.00'	
	B (FT.)	7.25'	5.50'	4.75'	
	C (FT.)	8.00'	6.50'	5.00'	
	MIN. CLAMP (2 EA.)	5/8 IN. x 3 IN.			
24"	VOLUME REQ'D (CU. FT.)	800.3	408.0	205.0	1 1/4 IN.
	A (FT.)	9.50'	7.50'	6.00'	
	B (FT.)	9.00'	7.25'	5.75'	
	C (FT.)	9.50'	7.50'	6.00'	
	MIN. CLAMP (2 EA.)	5/8 IN. x 3 IN.			

VOLUME CALCULATED ON THE BASIS OF CONCRETE REACTING THRUST ON THE RESPECTIVE BENDS UNDER AN INTERNAL PRESSURE OF 250 PSI, 50 PSI SURGE AND THE WEIGHT OF CONCRETE IS 150 POUNDS PER CU. FT.

ALL FITTINGS SHALL BE MECHANICAL JOINTS WITH RETAINING GLANDS.
BEDDING NOT SHOWN



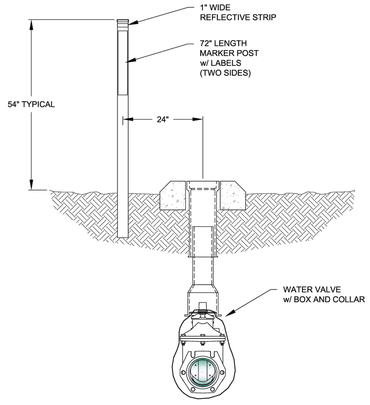
VERTICAL TIE-DOWN BLOCKING

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

TITLE: WATER DETAILS
DESCRIPTION: VERTICAL TIE-DOWN BLOCKING
DRAWN BY: CHECKED BY: FILE: W17-Vertical Tie-Down Blocking.dwg
DATE: APRIL 2015 REVISED
SHEET: W17

NOTES:

1. WATER LINE MARKERS SHALL BE TRI-VIEW MARKING SYSTEM BY RHINO MARKING AND PROTECTION SYSTEMS OR CARSONITE INTERNATIONAL DUAL-SIDED UTILITY MARKER (CIB-380).
2. THE UPPERMOST PORTION OF THE CARSONITE MARKER SHALL BE MADE OF VISIBILITY ENHANCER (CVE-360).
3. TRI-VIEW MARKERS DO NOT REQUIRE VISIBILITY ENHANCERS.
4. AN ADDITIONAL WHITE 1" WIDE REFLECTIVE TAPE (3M OR EQUAL) SHALL BE PLACED AROUND THE FULL CIRCUMFERENCE OF THE TOP OF THE MARKER.



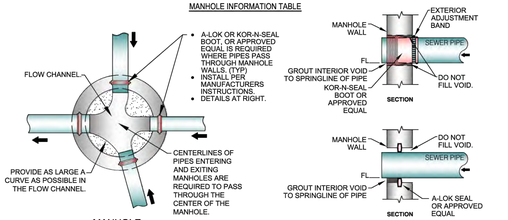
VALVE MARKER

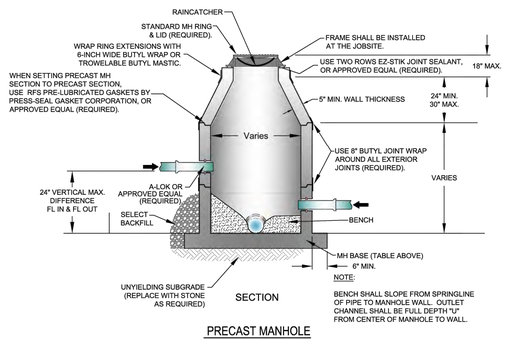
CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

TITLE: WATER DETAILS
DESCRIPTION: VALVE MARKER
DRAWN BY: CHECKED BY: FILE: W22-Valve Marker.dwg
DATE: APRIL 2015 REVISED
SHEET: W22

Inside Diameter of Manhole	Minimum Wall Thickness	Base Thickness	Minimum Ring & Cover Size
4' DIA	5"	6"	24" (< or Equal to 24" Pipes)
5' DIA	7"	8"	36" (> 24" Pipes)
6' DIA	7"	8"	

MANHOLE INFORMATION TABLE





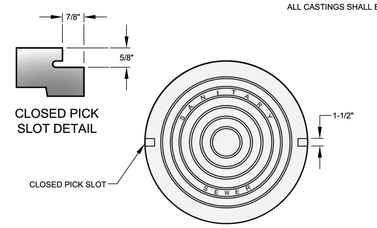
NOTE:
BENCH SHALL SLOPE FROM SPRINGLINE OF PIPE TO MANHOLE WALL. OUTLET CHANNEL SHALL BE FULL DEPTH "U" FROM CENTER OF MANHOLE TO WALL.

PRECAST MANHOLE

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

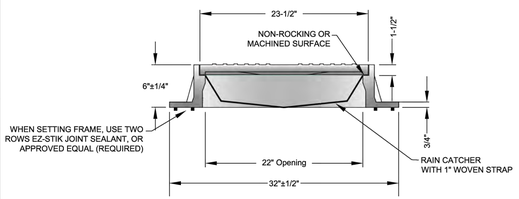
TITLE: SEWER DETAILS
DESCRIPTION: PRECAST MANHOLE
DRAWN BY: CHECKED BY: FILE: S5-Precast Manhole.dwg
DATE: APRIL 2015 REVISED
SHEET: S5

ALL CASTINGS SHALL BE "MADE IN USA"



1. MINIMUM WEIGHT OF RING: 100 POUNDS
2. MINIMUM WEIGHT OF COVER: 110 POUNDS
3. COVERS ARE FURNISHED WITH TWO CLOSED PICK SLOTS.
4. CASTINGS SHALL BE "MADE IN USA"

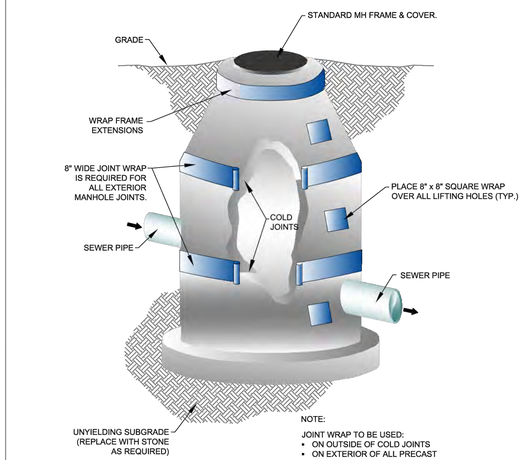
* DIMENSIONAL TOLERANCES SHALL NOT EXCEED 1/16 INCH PER FOOT



FRAME AND COVER DETAIL

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

TITLE: SEWER DETAILS
DESCRIPTION: MANHOLE FRAME AND COVER
DRAWN BY: CHECKED BY: FILE: S6-Manhole Frame and Cover.dwg
DATE: APRIL 2015 REVISED
SHEET: S6



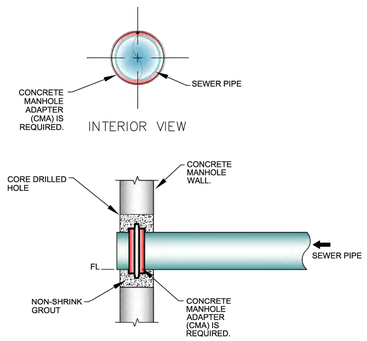
NOTE:
JOINT WRAP TO BE USED:
- ON OUTSIDE OF COLD JOINTS
- ON EXTERIOR OF ALL PRECAST MANHOLE JOINTS
- ON LIFT HOLES / SOCKETS

MANHOLE JOINT WRAP

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

TITLE: SEWER DETAILS
DESCRIPTION: MANHOLE JOINT WRAP
DRAWN BY: CHECKED BY: FILE: S9-Manhole Joint Wrap.dwg
DATE: APRIL 2015 REVISED
SHEET: S9

THE INSTALLATION SHALL BE DYE TESTED FOR ACCEPTANCE.



MANHOLE CORING DETAILS

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

TITLE: SEWER DETAILS
DESCRIPTION: MANHOLE CORING
DRAWN BY: CHECKED BY: FILE: S11-Manhole Coring.dwg
DATE: APRIL 2015 REVISED
SHEET: S11

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No. 566
ARKANSAS-ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
PHILLIP O. LEWIS
No. 9540
PRELIMINARY PLANS NOT FOR CONSTRUCTION

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
UTILITY DETAILS

SHEET NUMBER:
C1.10



PRE DRAINAGE MAP

SCALE 1" = 50'

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CERTIFICATE OF AUTHORIZATION
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No. 566
ARKANSAS ENGINEER

STATE OF ARKANSAS
PHILLIP O. LEWIS
REGISTERED PROFESSIONAL ENGINEER
No. 13540
PHILLIP O. LEWIS

N

0 50'

1" = 50'-0"

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
PRE DRAINAGE MAP

SHEET NUMBER:
C1.11



POST DRAINAGE MAP

SCALE 1" = 50'

GENERAL SITE NOTES

1. TOTAL NEW DEVELOPMENT AREA = (+/-) 1.12 ACRES
2. PROPERTY IS ZONED C-2
3. 43 PARKING SPACES PROVIDED INCLUDING 2 ADA ACCESSIBLE PARKING SPACES
4. ALL DIMENSIONS ARE TO THE BACK OF CURB AND/OR EDGE OF PAVEMENT
5. DAMAGE TO PUBLIC AND PRIVATE PROPERTY DUE TO HAULING OPERATIONS OR OPERATIONS OF CONSTRUCTION RELATED EQUIPMENT FROM A CONSTRUCTION SITE SHALL BE REPAIRED BY THE THE RESPONSIBLE PARTY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
6. REPAIR, REPLACE, OR EXTEND EXISTING DAMAGED OR MISSING CURB AND GUTTER, SIDEWALK OR RAMPS WITHIN THE PUBLIC RIGHT OF WAY.
7. ALL SIGNAGE, PAVEMENT MARKING AND PARKING LOT STRIPING SHALL CONFORM TO REQUIREMENTS GIVEN IN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MUTCD REQUIRES THAT PARKING SPACES BE MARKED IN WHITE.

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No. 566
ARKANSAS–ENGINEER

N

0 50'
1" = 50'-0"

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REGISTERED PROFESSIONAL ENGINEER
No. 9540
PHILLIP A. LEWIS
PRELIMINARY NOT FOR CONSTRUCTION

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
POST DRAINAGE MAP

SHEET NUMBER:
C1.12



LANDSCAPE PLAN

SCALE 1" = 30'

NOTES:
1. LANDSCAPED AREAS TO BE AMENDED WITH 4" OF TOPSOIL, SCARIFY SOIL 3" PRIOR TO APPLICATION. ALL TOP SOIL SHALL BE PLACED IN COORDINATION WITH GRADING AND DRAINAGE PLANS TO ENSURE THAT THE GRADING AND DRAINAGE DESIGN FOR THE SITE IS MAINTAINED AFTER BEING SODDED OR SEEDED. EXISTING SOIL FROM THE SITE CAN BE STOCK PILED AND REUSED AS LONG AS IT IS OF QUALITY THAT ENCOURAGES ADEQUATE GROWTH OF PLANTING MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ANY SOIL TESTING THAT MAY BE REQUIRED.
2. LANDSCAPE PLAN REPRESENTS RECOMMENDED SPECIES, SIZES, & LOCATIONS. OWNER SHALL CHANGE THE ITEMS TO EQUAL OR GREATER VALUE.

PLANT SCHEDULE

PLANT TYPE	SYMBOL	CODE	QTY	COMMON SPECIES	SCIENTIFIC NAME	CAL / SIZE
TREES		WO	15	WILLOW OAK	QUERCUS PHELLOS	MIN. 3" DIAMETER @ BASE AND 12' TALL
SHRUBS		BW	85	DWARF NANDINA	N. DOMESTICA "HARBOUR DWARF"	3 GAL
GROUND COVER		SO	61,425 SF	BERMUDA SOD		
		GS	36,022 SF	GRASS SEED		
			5,114 SF	LANDSCAPE BEDDING (TBD BY OWNER)		

N

0 30'

1" = 30'-0"

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STATE OF ARKANSAS
PHILLIP LEWIS
REGISTERED PROFESSIONAL ENGINEER
No. 17540
PHILLIP A. LEWIS

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
C1.13



STORM WATER POLLUTION PREVENTION PLAN

INSTALL FILTER SOCKS AT ALL INLETS; MAINTAIN THROUGHOUT CONSTRUCTION.

SCALE 1" = 50'

LEGEND

- DISTURBED AREA
- UNDISTURBED AREA
- SEDIMENT FENCE WITH WIRE BACKING
- DRAINAGE DIRECTION

GENERAL CONSTRUCTION NOTES

A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PROPERTY DAMAGE.

B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.

C. THE DUTY OF THE LOCAL UTILITY PROVIDER TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE LOCAL PROVIDER'S WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS.

E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

F. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

G. PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY THE LOCAL UTILITY PROVIDER. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.

I. FIBER OPTIC CABLE ON AND/OR ADJACENT TO THIS SITE WERE NOT LOCATED BY THE SURVEY AND ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS SITE AND TAKE ALL NECESSARY AND REQUIRED PRECAUTIONS TO PROTECT ANY EXISTING FIBER OPTIC CABLES. CONTRACTORS SHALL COORDINATE ALL EFFORTS WITH OWNER OF FIBER OPTIC CABLES OR THEIR DESIGNATED REPRESENTATIVE.

J. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.

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STATE OF ARKANSAS
PHILLIP LEWIS
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No. 13540
PHILLIP LEWIS

N

0 50'

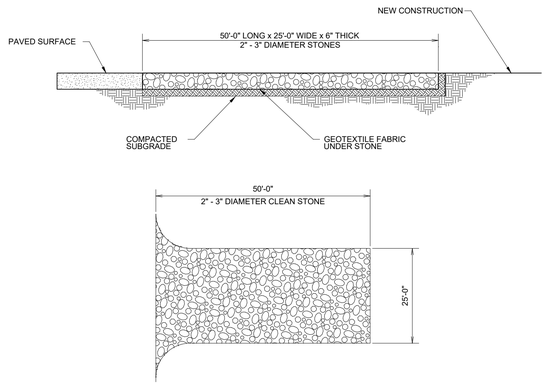
1" = 50'-0"

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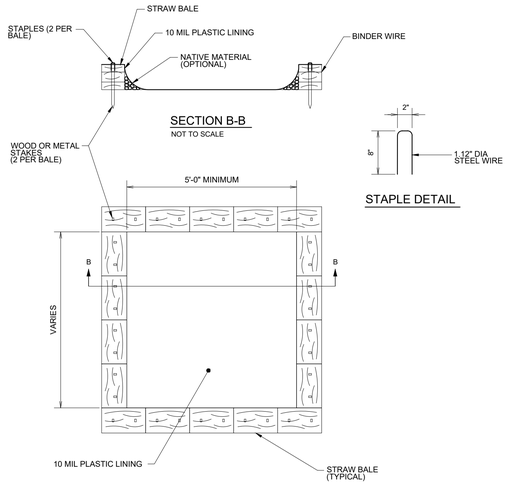
PAGE TITLE:
STORM WATER POLLUTION PREVENTION PLAN

SHEET NUMBER:
C1.14



CONSTRUCTION ENTRANCE

NOT TO SCALE



CONCRETE WASHOUT

NOT TO SCALE

SILT FENCE

NOT TO SCALE

NOTES AND SPECIFICATIONS:

1. POSTS SHALL BE A MINIMUM OF 36 INCHES CONSTRUCTED OF EITHER OF THE FOLLOWING MATERIALS: STEEL "T" OR "U" TYPE, OR 2" x 2" HARDWOOD.
2. WOVEN WIRE USED AS ADDITIONAL FENCE SUPPORT SHALL BE MINIMUM 14.5 GA. WITH 6" MAXIMUM SPACING.
3. WOVEN WIRE SHALL BE PLACED ALONG THE UPHILL SIDE OF THE FENCE AND FASTENED WITH WIRE TIES OR 1" STAPLES ALONG THE UPHILL SIDE OF THE POSTS.
4. FILTER FABRIC SHALL BE FASTENED TO WOVEN WIRE ACCORDING TO MANUFACTURER'S RECOMMENDATION, OR WITH TIES EVERY 24" AT THE TOP AND MID-SECTIONS.
5. WHERE TWO PIECES OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED TOGETHER.
6. WHERE TWO POSTS MEET TO JOIN FENCE SECTIONS, THE TOPS OF THE POSTS SHALL BE SECURED TOGETHER WITH WIRE.
7. THE FENCE SHALL BE CONSTRUCTED ALONG THE CONTOUR AS MUCH AS POSSIBLE.
8. ENDS OF FENCES SHALL BE EXTENDED UP THE SLOPE TO PRVENT RUNOFF FROM MIGRATING AROUND THE END OF THE FENCE.
9. INSPECTION OF THE FENCE SHALL BE PERFORMED WEEKLY, OR IMMEDIATELY AFTER A RAIN EVENT, OR WHEN BULGES APPEAR IN THE FENCE. ACCUMALTED SILT SHALL NOT BE ALLOWED TO EXCEED HALF THE HEIGHT OF THE FABRIC. REPAIR AND OR REPLACMENT OF DAMAGED FENCE SHALL BE COMPLETED PROMPTLY.
10. ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED SITE IN SUCH A MANNER THAT IT WILL NOT CONTRIBUTE TO OFF-SITE SILTATION.
11. ALL FENCING SHALL BE REMOVED WITH THE CONSTRUCTION SITE IS FULLY STABLIZED SO AS TO NOT IMPEDE STORM FLOW OR DRAINAGE.
12. PRE-FRABRICATED UNITS DO NOT REQUIRE THE USE OF WOVEN WIRE FENCE.

GENERAL CONSTRUCTION NOTES

A. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR DAMAGES OCCURRING TO ANY PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT. SAID CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PROPERTY DAMAGE.

B. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.

C. THE DUTY OF THE LOCAL UTILITY PROVIDER TO CONDUCT CONSTRUCTION INSPECTION REVIEWS OF THE CONTRACTOR'S PERFORMANCE IS NOT AN INSPECTION OR REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

D. ALL WATER AND SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE LOCAL PROVIDER'S WATER AND WASTEWATER (SANITARY SEWER) STANDARD SPECIFICATIONS.

E. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

F. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

G. PRIOR TO INSTALLATION OF ANY UTILITIES, THE CONTRACTOR IS TO EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM ANY AND ALL UTILITIES OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

H. CONSTRUCTION SHALL NOT START ON ANY WATER UTILITY TIE-INS UNTIL APPROVAL IS GIVEN BY THE LOCAL UTILITY PROVIDER. SAID CONTRACTOR SHALL NOT OPERATE ANY VALVE, HYDRANT, OR WATER UTILITY APPURTENANCE NOR SHALL HE ATTACH TO OR TAP ANY WATER UTILITY MAIN WITHOUT APPROVAL. THE CONTRACTOR SHALL BEAR THE COST AND CONSEQUENCE OF ANY DISRUPTION OF UTILITY OPERATION CAUSED BY CONSTRUCTION.

I. FIBER OPTIC CABLE ON AND/OR ADJACENT TO THIS SITE WERE NOT LOCATED BY THE SURVEY AND ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS SITE AND TAKE ALL NECESSARY AND REQUIRED PRECAUTIONS TO PROTECT ANY EXISTING FIBER OPTIC CABLES. CONTRACTORS SHALL COORDINATE ALL EFFORTS WITH OWNER OF FIBER OPTIC CABLES OR THEIR DESIGNATED REPRESENTATIVE.

J. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "ONECALL" SERVICE TO MARK ALL UTILITIES PRIOR TO ANY DEMOLITION, EARTHWORK, OR UTILITY WORK ON THIS SITE.

PHILLIP LEWIS ENGINEERING, INC.
Structural + Civil Consultants
23620 Interstate 30 | Bryant, Arkansas
PH: 501-350-9840

REVISION:

BRYANT SEMINARY
HIGHWAY 5
BRYANT, ARKANSAS

CERTIFICATE OF AUTHORIZATION
PHILLIP LEWIS ENGINEERING, INC.
No. 566
ARKANSAS--ENGINEER

STATE OF ARKANSAS
PHILLIP LEWIS
REGISTERED PROFESSIONAL ENGINEER
No. 13540
PHILLIP A. LEWIS

N

0 50'

1" = 50'-0"

PROJECT NUMBER:

SHEET ISSUE DATE:
10-09-2024

PAGE TITLE:
SWPPP DETAILS

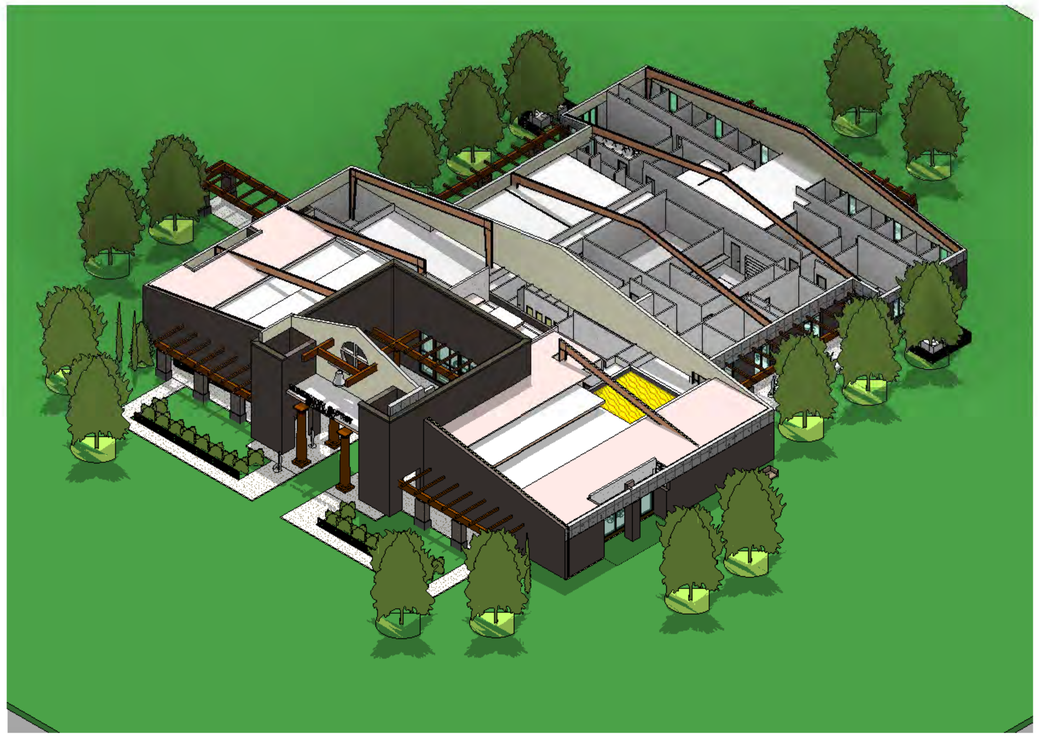
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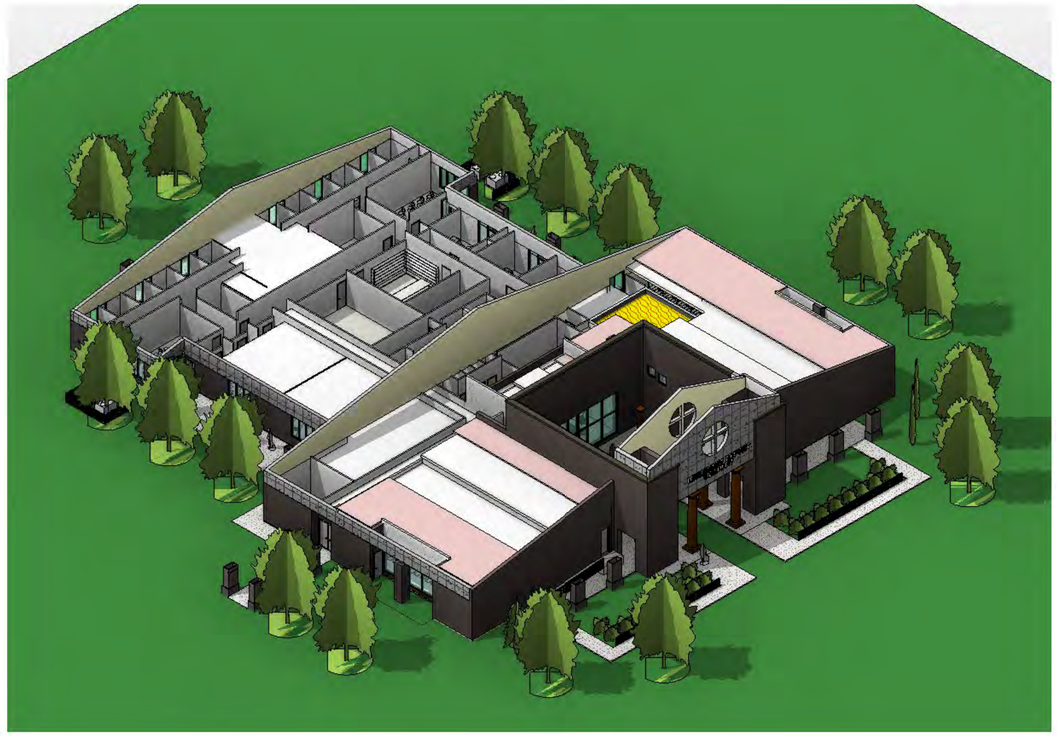
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2 3D-ISO-FRONT-2



3 3D-ISO-NO ROOF



4 3D-ISO-NO ROOF -2

THE DRAINGS ON THS SHEET ARE PROVIDED FOR GENERAL CONCEPT OVERVIEW ONLY AND ARE NOT INTENDED TO BE ACCURATE OR COMPLETE - PLEASE SEE APPROPRIATE DETAIL SHEETS FOR MORE DETAILED AND DIMENSIONED INFORMATION. DO NOT USE THESE DRAINGS FOR SPECIFIC CONSTRUCTION DETAILS

REVISIONS

NO.	DATE
NO.	
NO.	
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NO.	
NO.	
NO.	
NO.	

andrew hicks | architect

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ANDREW HICKS ARCHITECT
REGISTERED ARCHITECT
No. 11
8/11/2024
ARKANSAS

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3D VIEWS -ISO

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AA-1



2 3DP-EXT-FRONT-2



3 3DP-EXT-COURT-4



8 3DP-EXT-FRONT-4



6 3DP-EXT-FRONT-3



1 3DP-EXT-FRONT-5

REVISIONS

NO.	DATE
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3D VIEWS

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AA-2



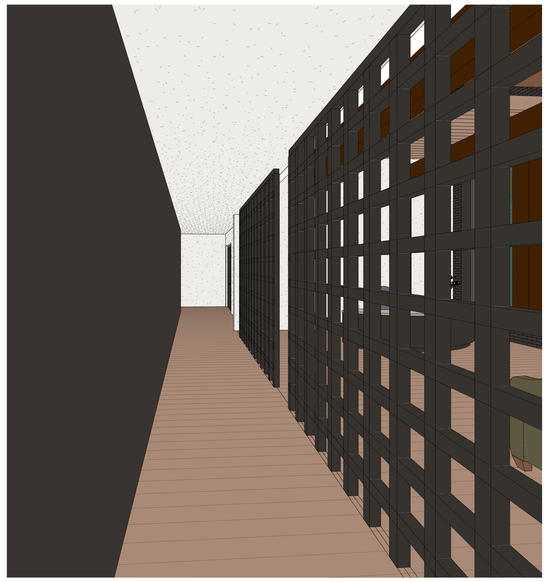
2 3DP-EXT-REAR-2



1 3DP-EXT-COURT-1



3 3DP-INT-LOBBY-5



4 3DP-INT-LOBBY-1

REVISIONS		
NO.	DATE	
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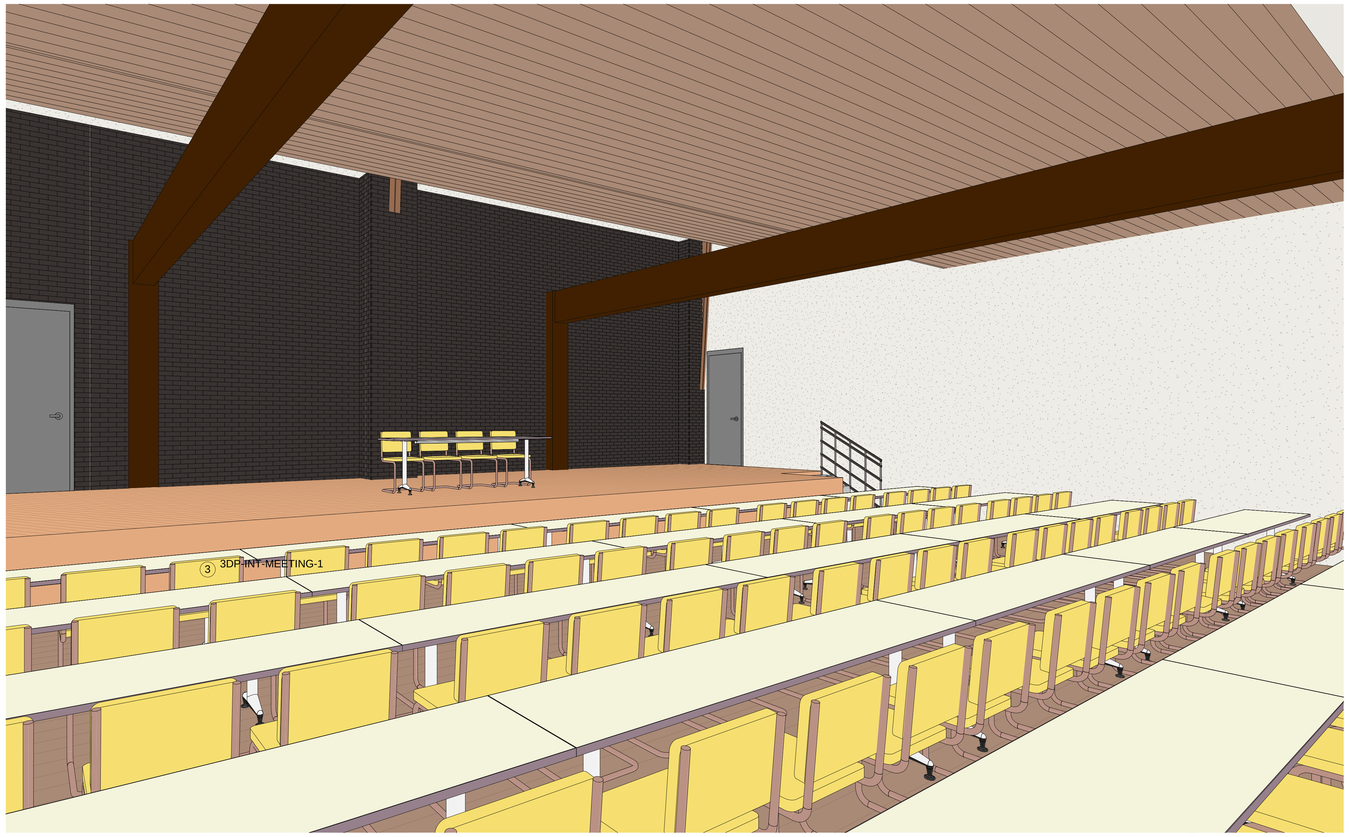
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3D VIEWS

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AA-3



3 3DP-INT-MEETING-1



2 3DP-INT-LOBBY-2



1 3DP-INT-LOBBY-4



4 3DP-EXT-COURT-2

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NO.	
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3D VIEWS-INTERIOR

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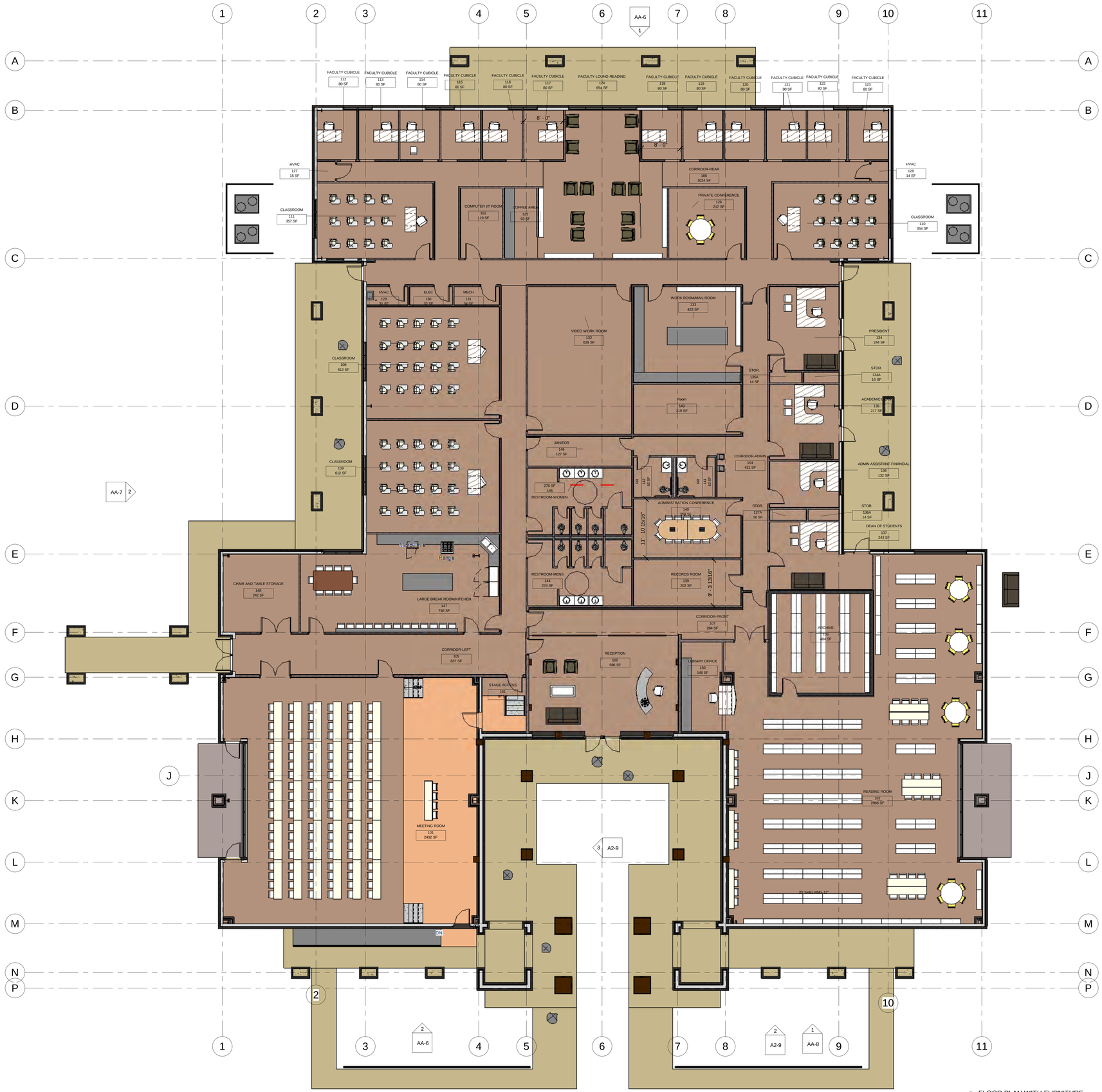
AA-4

ROOM AREA SCHEDULE			
ROOM NO.	ROOM NAME	Area	COMMENTS
100	RECEPTION	586 SF	
101	MEETING ROOM	2432 SF	
102	READING ROOM	2966 SF	
103	ARCHIVE	404 SF	
104	CORRIDOR-ADMIN	421 SF	
105	CORRIDOR-LEFT	837 SF	
106	CORRIDOR-REAR	1024 SF	
107	CORRIDOR-FRONT	284 SF	
108	CLASSROOM	612 SF	
109	CLASSROOM	612 SF	
110	CLASSROOM	354 SF	
111	CLASSROOM	357 SF	
112	FACULTY CUBICLE	80 SF	
113	FACULTY CUBICLE	80 SF	
114	FACULTY CUBICLE	80 SF	
115	FACULTY CUBICLE	80 SF	
116	FACULTY CUBICLE	80 SF	
117	FACULTY CUBICLE	80 SF	
118	FACULTY CUBICLE	80 SF	
119	FACULTY CUBICLE	80 SF	
120	FACULTY CUBICLE	80 SF	
121	FACULTY CUBICLE	80 SF	
122	FACULTY CUBICLE	80 SF	
123	FACULTY CUBICLE	80 SF	
124	FACULTY-LOUNG-READING	654 SF	
125	COFFEE AREA	93 SF	
126	PRIVATE CONFERENCE	217 SF	
127	HVAC	15 SF	
128	HVAC	14 SF	
129	HVAC	31 SF	
130	ELEC	32 SF	
131	MECH	34 SF	
132	VIDEO WORK ROOM	629 SF	
133	WORK ROOM/MAIL ROOM	423 SF	
134	PRESIDENT	244 SF	
134A	STOR.	15 SF	
135	ACADEMIC DEAN	217 SF	
135A	STOR.	14 SF	
136	ADMIN ASSISTANT-FINANCIAL	132 SF	
136A	STOR.	14 SF	
137	DEAN OF STUDENTS	243 SF	
137A	STOR.	16 SF	
139	RECORDS ROOM	202 SF	
140	ADMINISTRATION CONFERENCE	259 SF	
141	RR	62 SF	
142	RR	62 SF	
143	Room	219 SF	
144	RESTROOM-MENS	274 SF	
145	RESTROOM-WOMEN	278 SF	
146	JANITOR	127 SF	
147	LARGE BREAK ROOM/KITCHEN	746 SF	
148	CHAIR AND TABLE STORAGE	242 SF	
150	LIBRARY OFFICE	148 SF	
151	STAGE ACCESS	97 SF	
152	COMPUTER I/T ROOM	119 SF	

Grand total: 55

COMPARITIVE NUMBERS

TOTAL NEW BUILDING AREA	= 19,382 SF	APROXIMATE EXISTING BUILDING	=25,900 SF
NEW LIBRARY	= 2,966 SF	EXISTING LIBRARY	= 2,790 SF
NEW ARCHIVE	= 404 SF	EXISTING ARCHIVE	= 300 SF
NEW SHELVING	= 512 LIN FT	EXISTING SHELVES	= 464 LIN FT
NEW FACULTY LOUNGE	= 654 SF	EXISTING FACULTY LOUNGE	= 504 SF
NEW WORK ROOM	= 423 SF	EXISTING WORK ROOM	= 414 SF



1 FLOOR PLAN WITH FURNITURE
1/8" = 1'-0"

8/11/2024

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FLOOR PLAN- FURNITURE

AA-5



② FRONT ELEVATION
3/16" = 1'-0"



① REAR ELEVATION
3/16" = 1'-0"

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EXTERIOR ELEVATIONS

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ANDREW HICKS, ARCHITECT INC

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AA-6



1 SIDE ELEVATION-RIGHT
3/16" = 1'-0"



2 SIDE ELEVATION-LEFT
3/16" = 1'-0"

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NO.	
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EXTERIOR ELEVATIONS

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ANDREW HICKS, ARCHITECT INC

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AA-7



1 ENLARGED ENTRY ELEVATION
3/8" = 1'-0"

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EXTERIOR ELEVATIONS

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AA-8