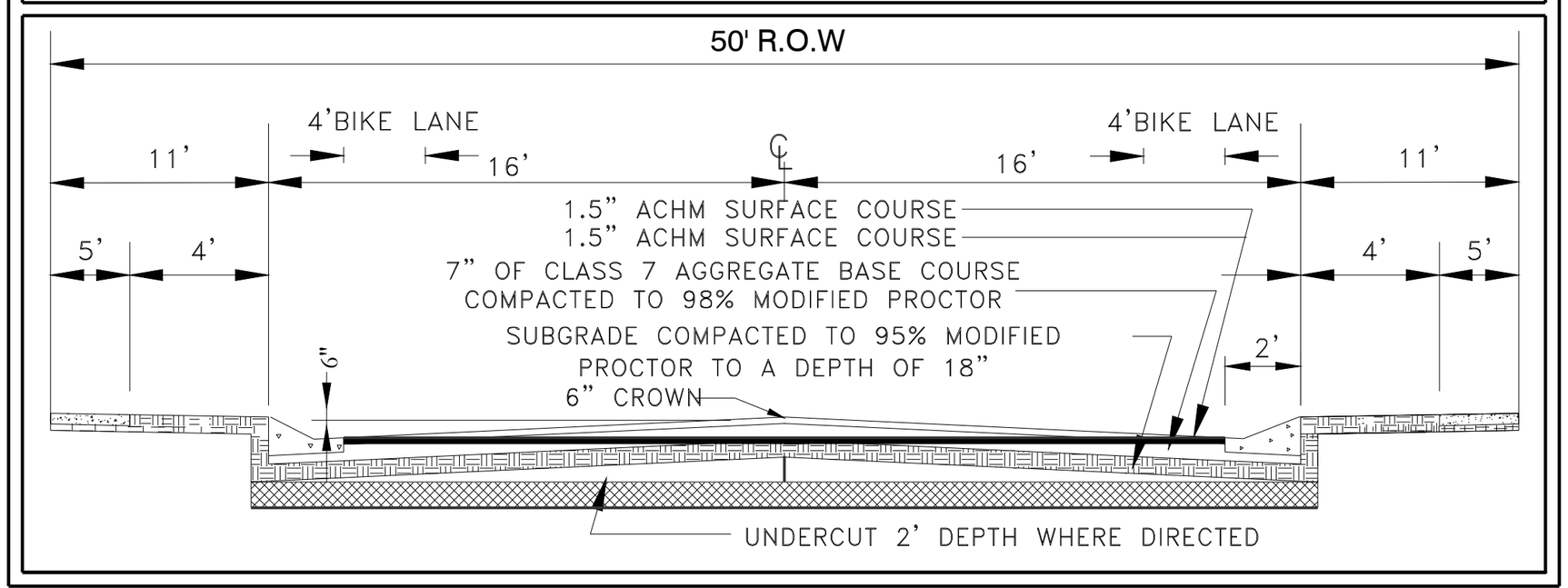
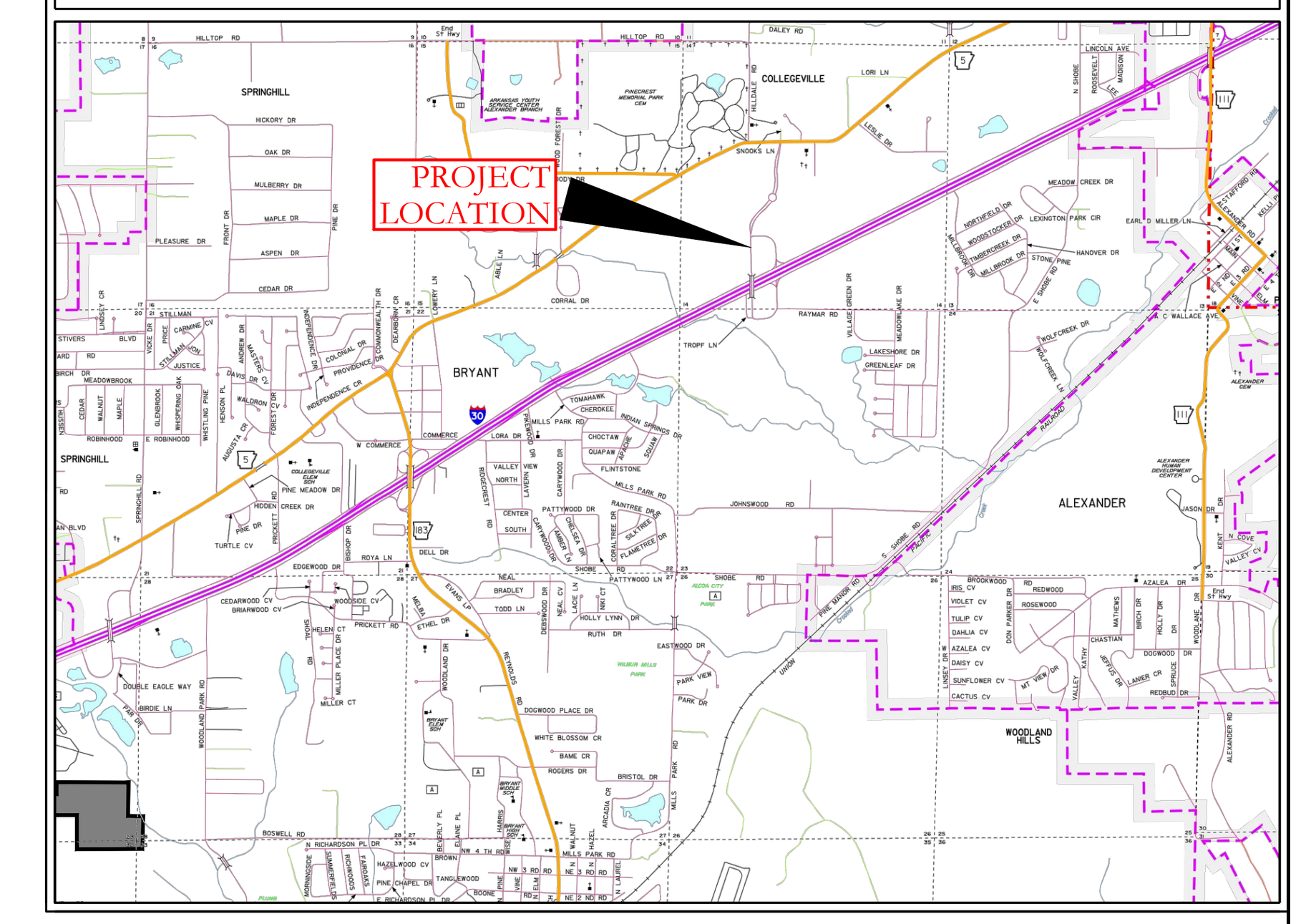
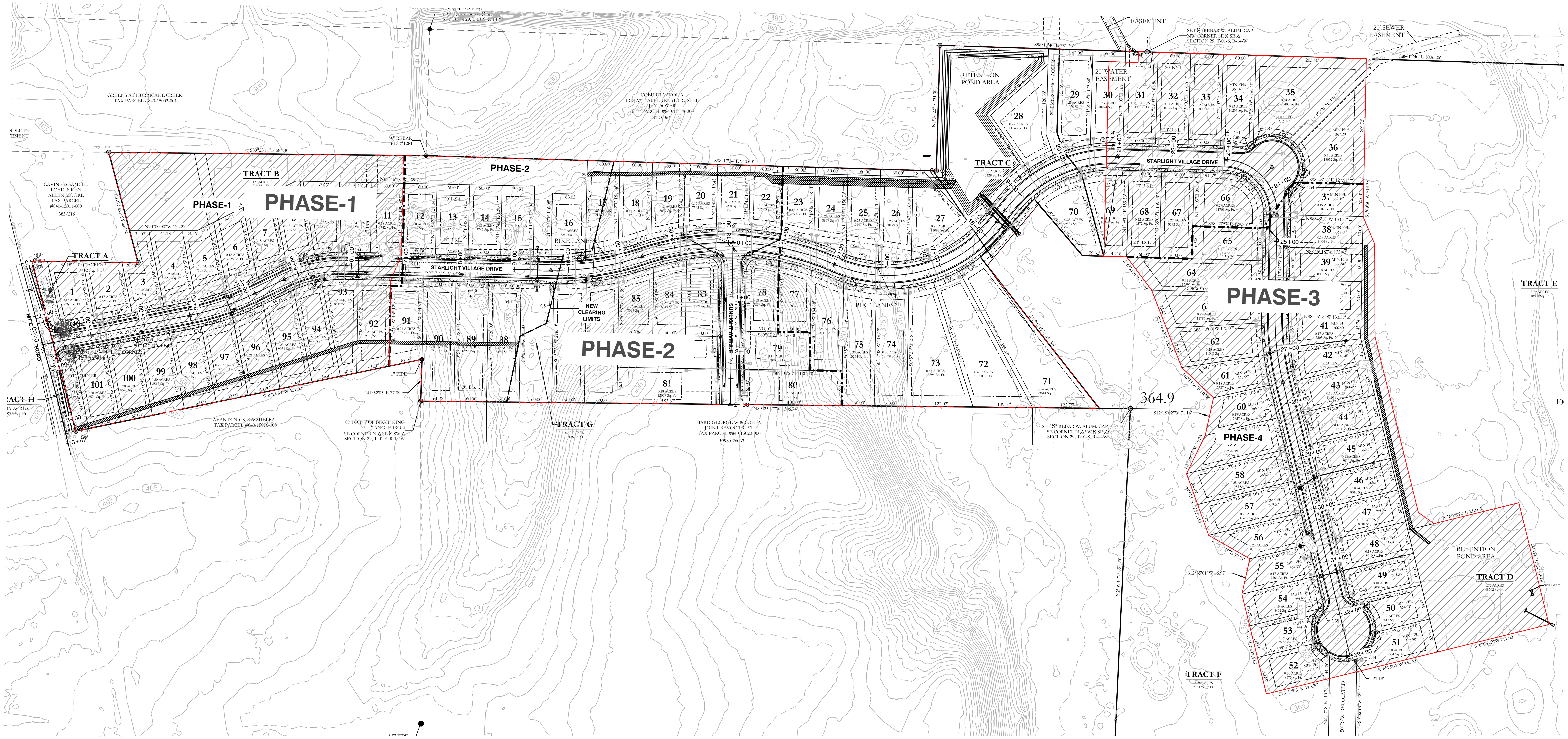
LOCAL STREET WITH BIKE LANES

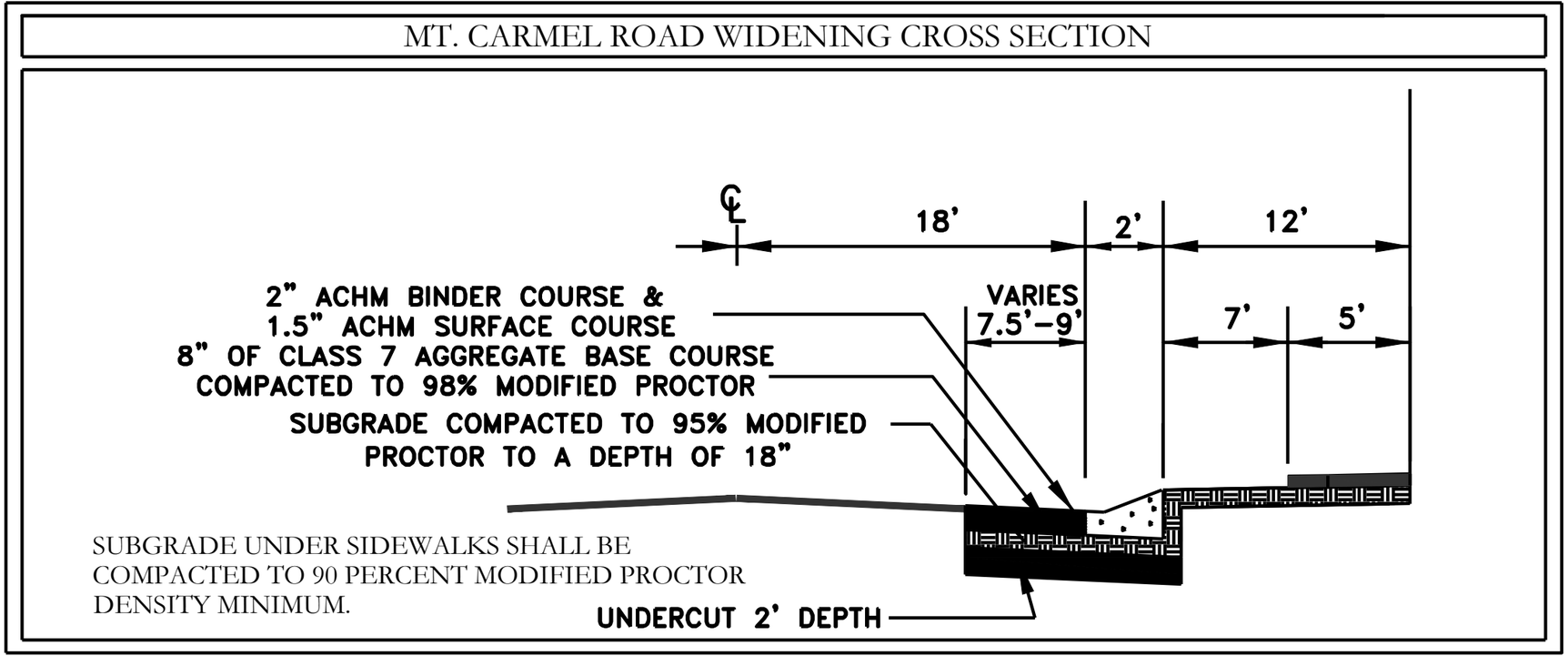


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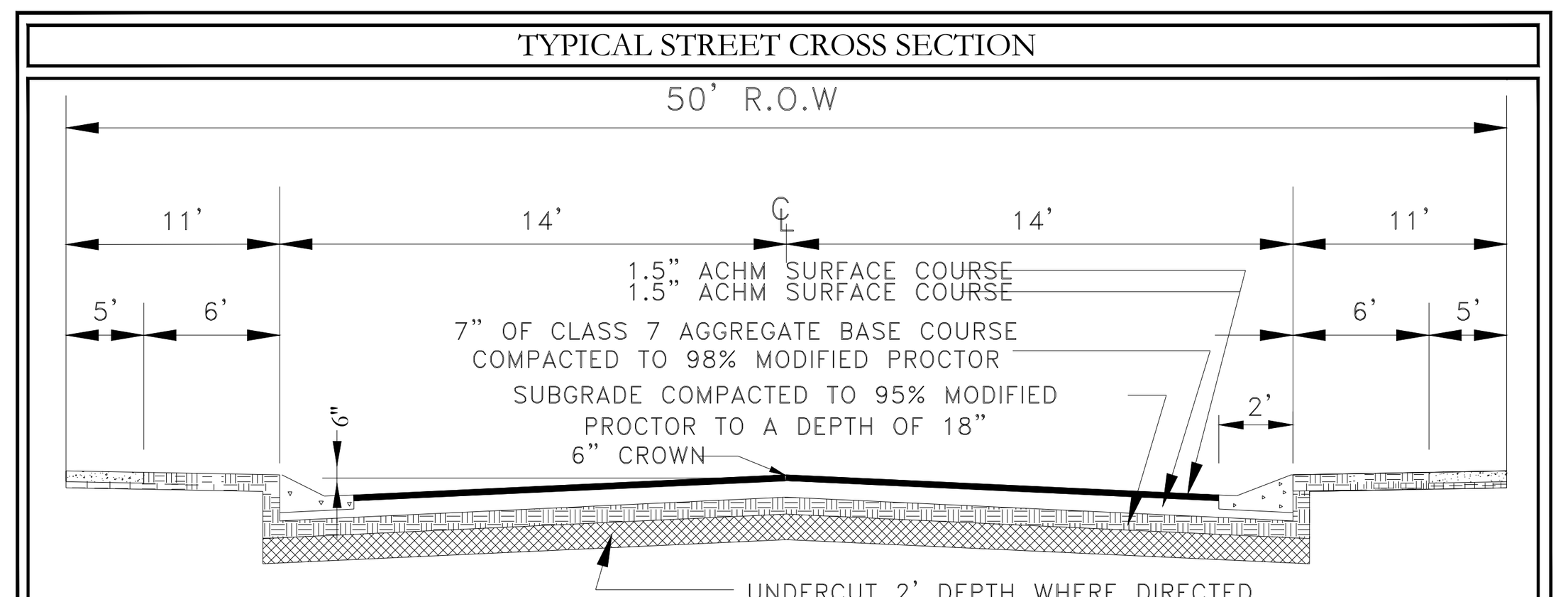




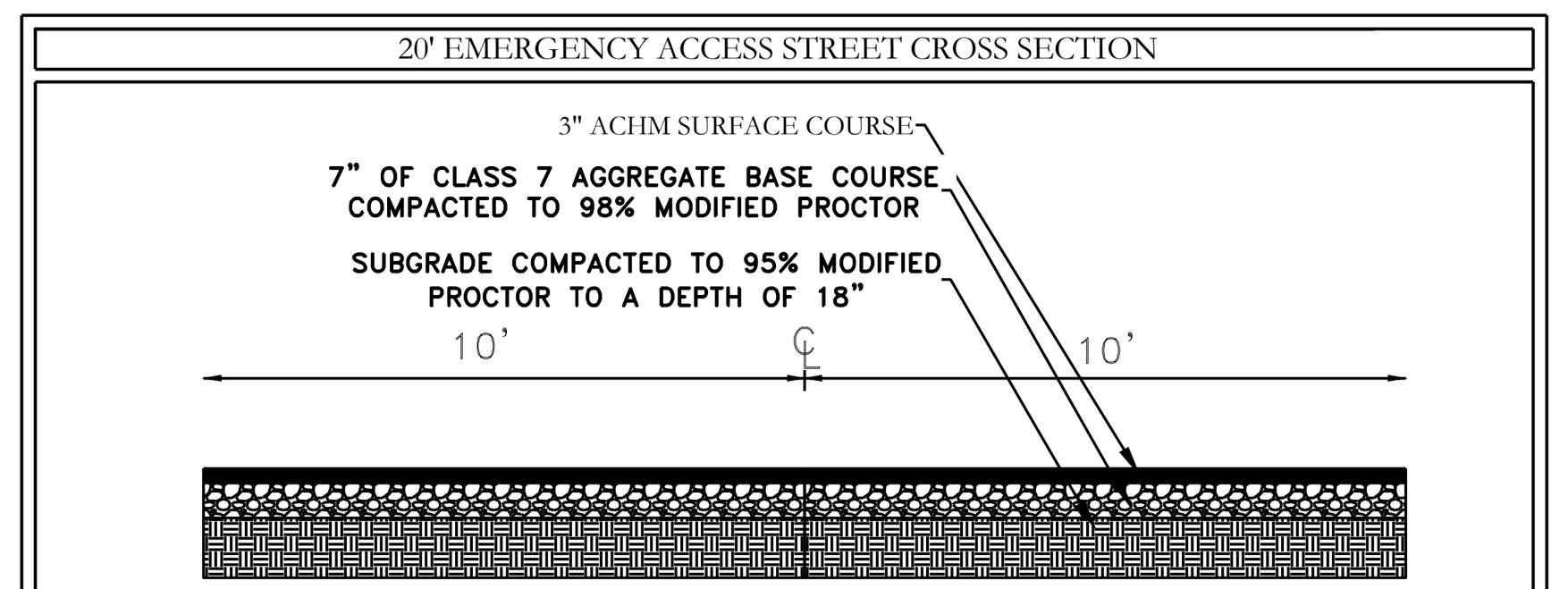
MT. CARMEL ROAD WIDENING CROSS SECTION



TYPICAL STREET CROSS SECTION



20' EMERGENCY ACCESS STREET CROSS SECTION



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RCP

PHASE BOUNDARIES

RIP RAP CHANNEL LINING
(Filter fabric shall be placed under all rip rap)

N

BASIS OF BEARING:
GRID NORTH, ARKANSAS
COORDINATE SYSTEM, SOUTH ZONE BY
GPS OBSERVATION

100' 50' 0 100'

CERTIFICATE OF AUTHORIZATION
HOPE CONSULTING, INC.
No. 1931
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 14048
WILLIAM W. McFADDEN

HOPE CONSULTING
ENGINEERS - SURVEYORS
117 S. Market Street,
Benton, Arkansas 72015
PH. (501)315-2626
FAX (501) 315-0024
www.hopeconsulting.com

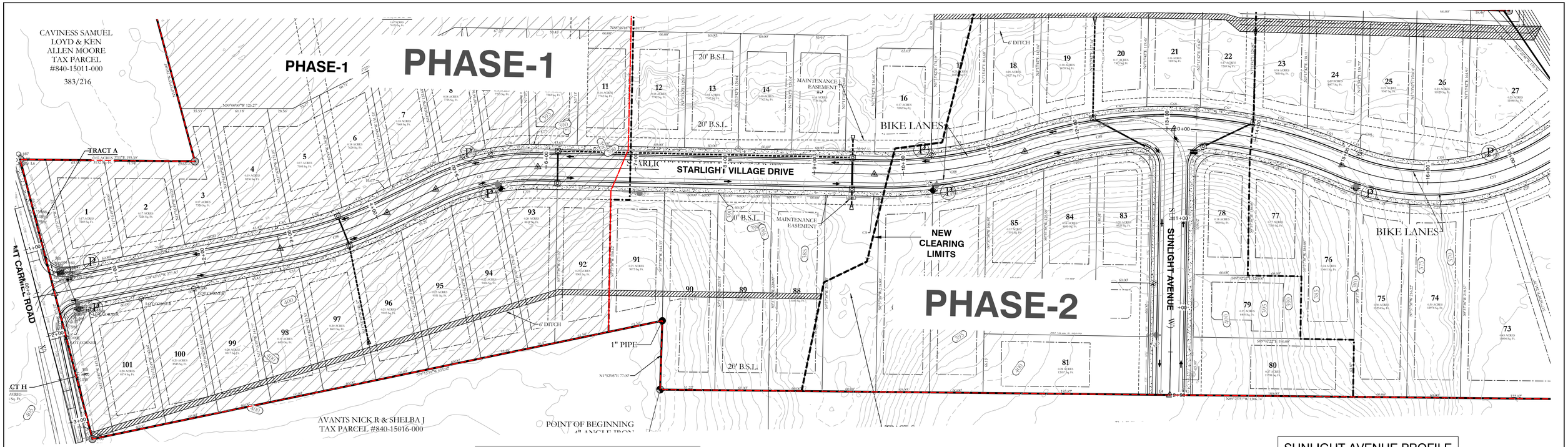
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STARLIGHT VILLAGE SUBDIVISION
STREET LAYOUT

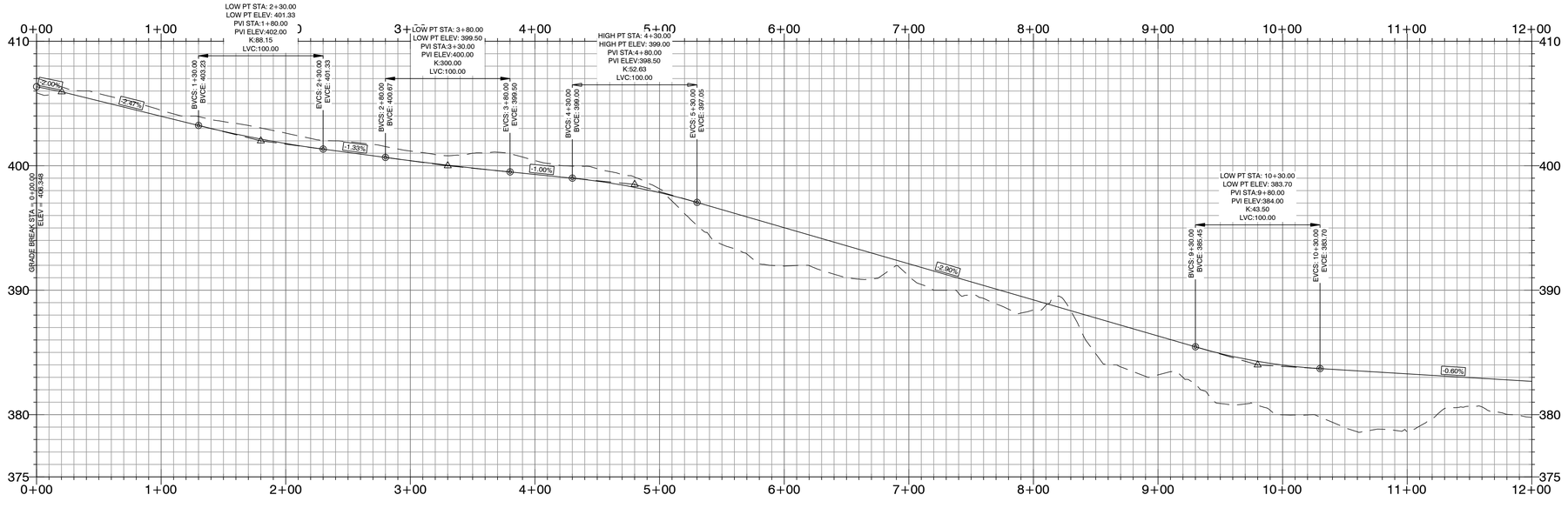
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE:	10/5/2023	C.A.D. BY:		DRAWING NUMBER:
REVISED:		CHECKED BY:		19-0238
SHEET:	C-1.0	SCALE:		

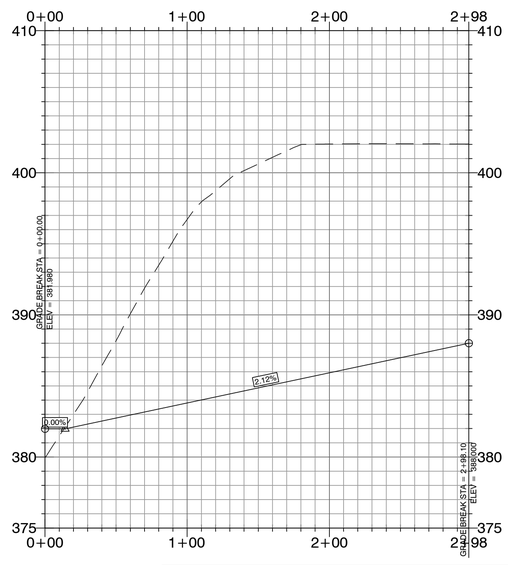
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STARLIGHT VILLAGE DRIVE PROFILE



SUNLIGHT AVENUE PROFILE



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BASIS OF BEARING:
GRID NORTH, ARKANSAS
COORDINATE SYSTEM, SOUTH ZONE BY
GPS OBSERVATION

50' 25' 0 50'

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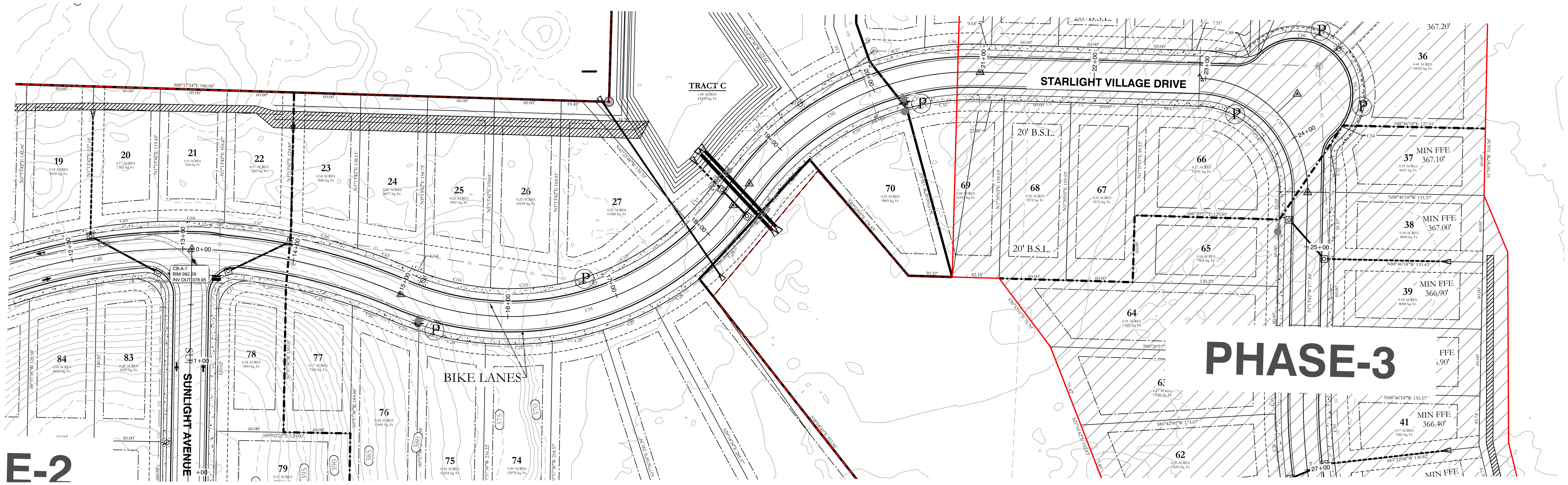
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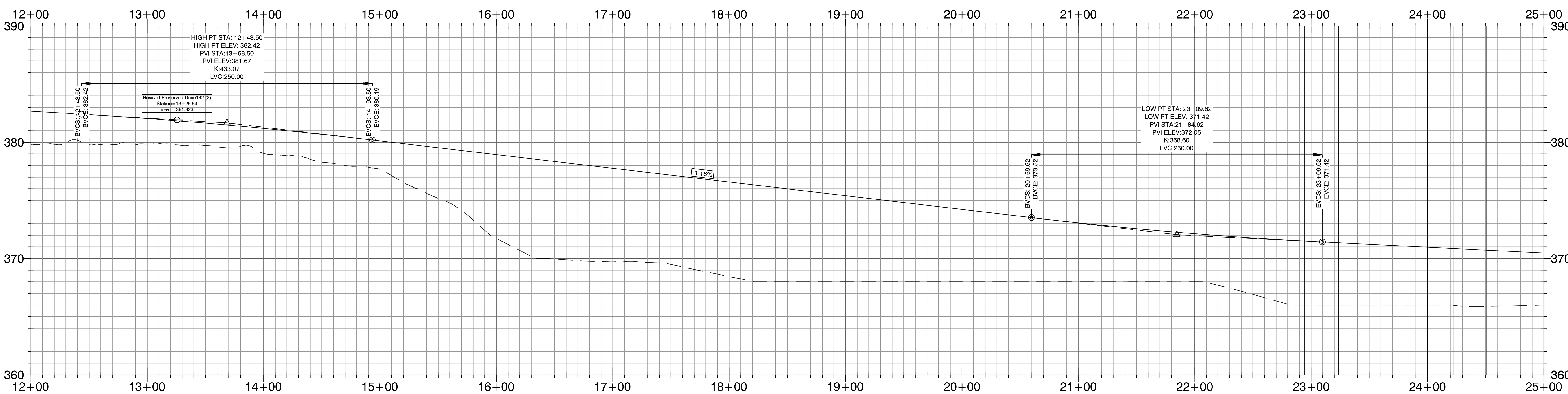
STARLIGHT VILLAGE SUBDIVISION
STREET PLAN AND PROFILES
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE:	10/5/2023	C.A.D. BY:	DRAWING NUMBER:
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SHEET:	C-1.1	SCALE:	

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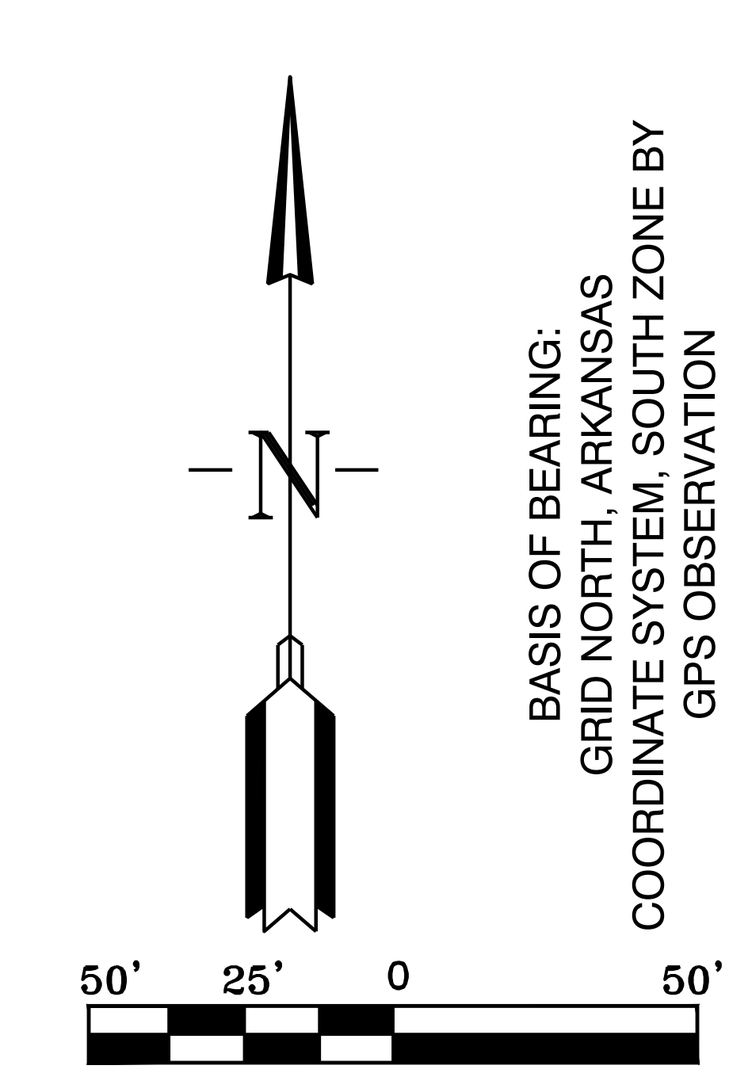


STARLIGHT VILLAGE DRIVE PROFILE

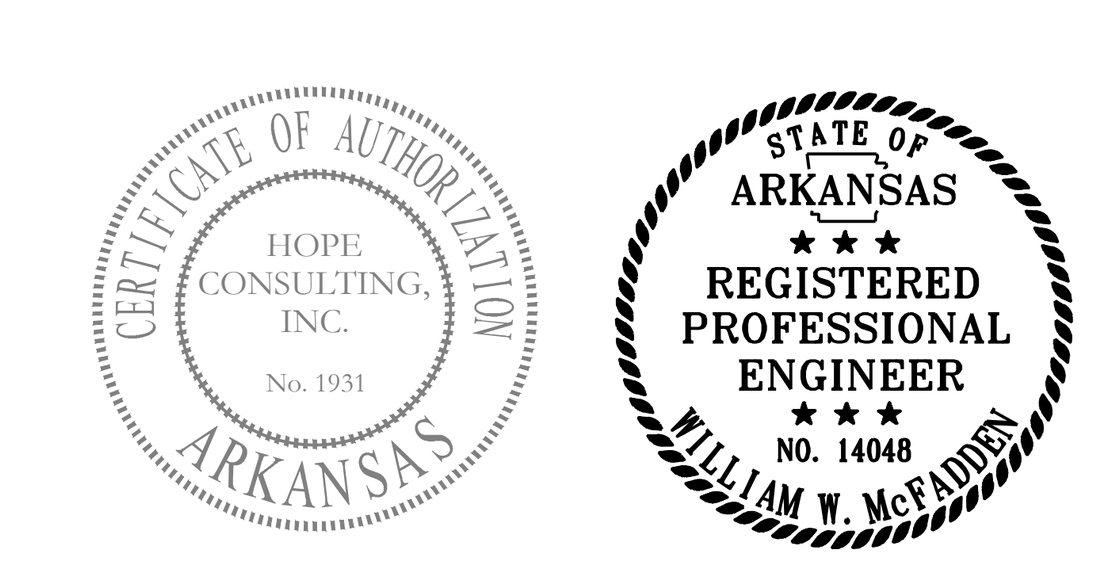


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BASIS OF BEARING:
GRID NORTH, ARKANSAS
COORDINATE SYSTEM, SOUTH ZONE BY
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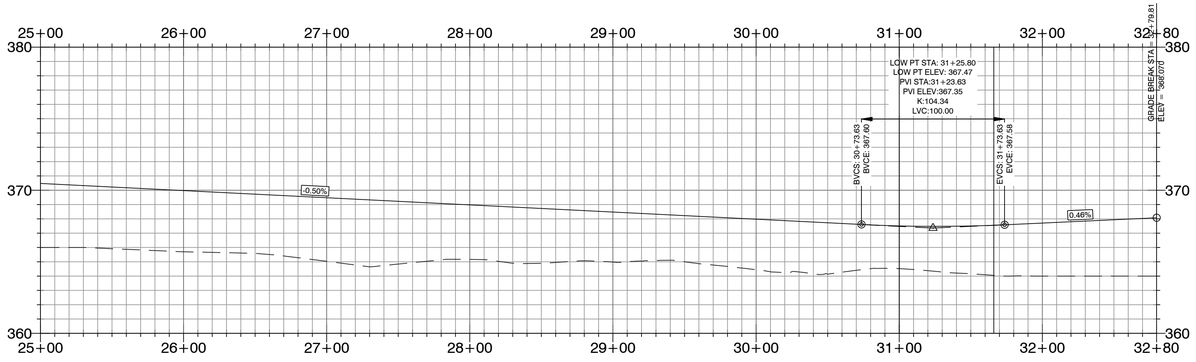
STARLIGHT VILLAGE SUBDIVISION
STREET PLAN AND PROFILE

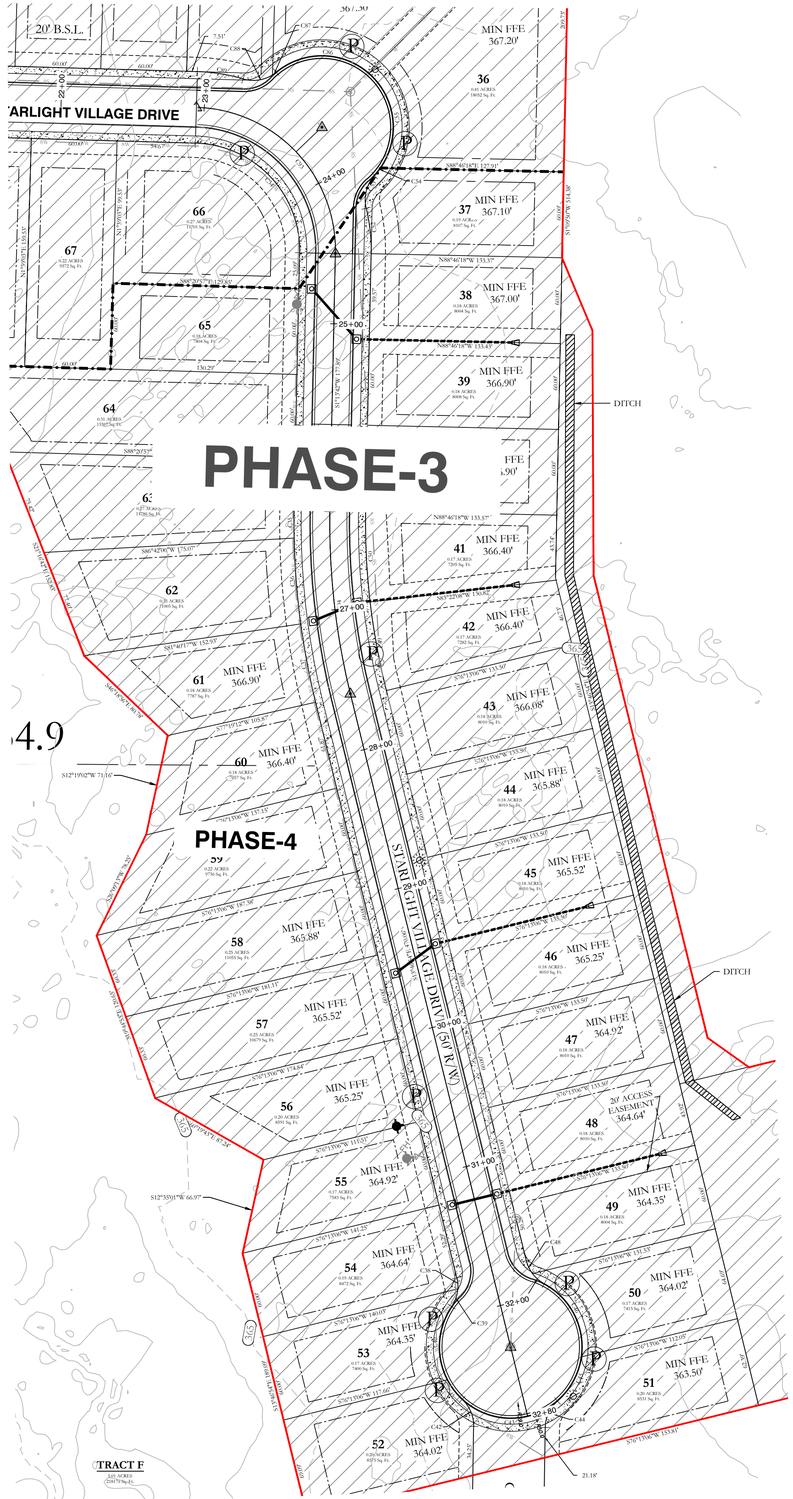
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE:	10/5/2023	C.A.D. BY:		DRAWING NUMBER:
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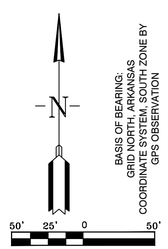
STARLIGHT VILLAGE DRIVE PROFILE





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STARLIGHT VILLAGE SUBDIVISION
STREET PLAN AND PROFILE

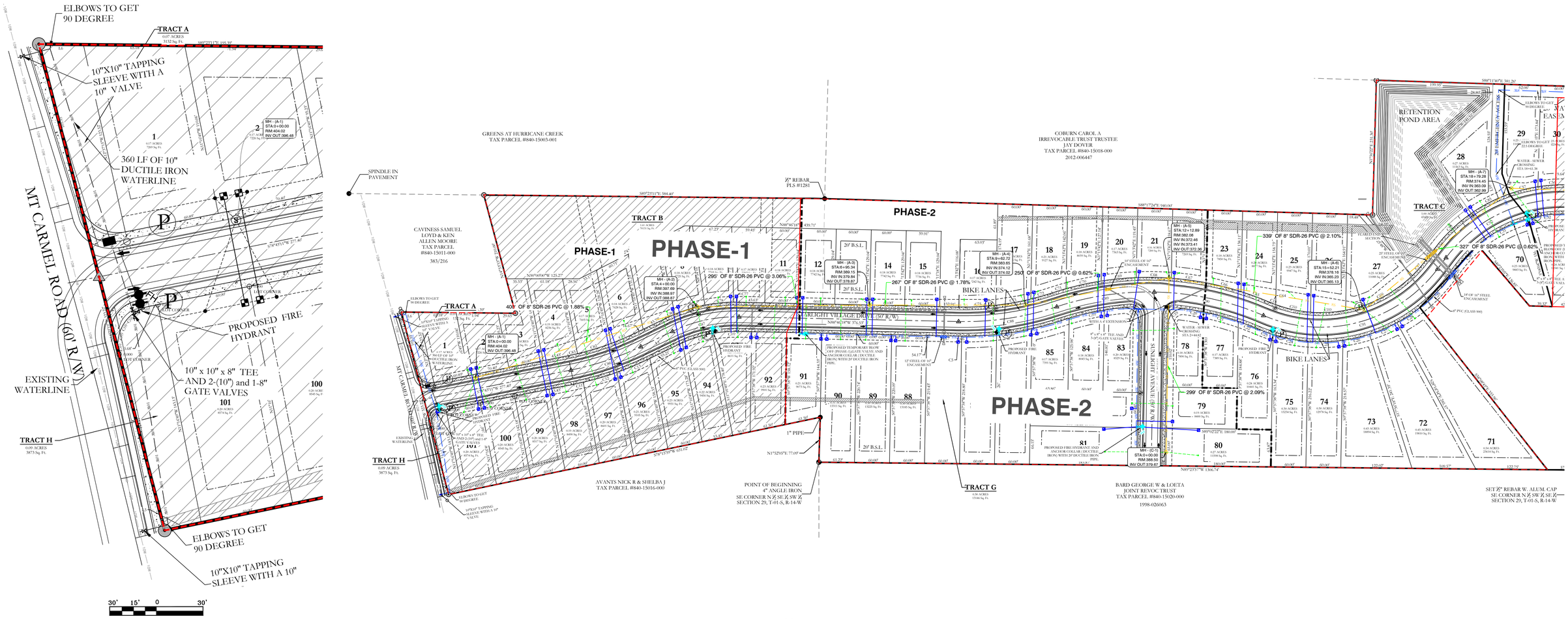
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE:	10/5/2023	C.A.D. BY:	DRAWING NUMBER:
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CERTIFICATE OF AUTHORIZATION
HOPE CONSULTING, INC.
No. 1931
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 14048
WILLIAM W. McFADDEN

K:\LAND PROJECTS 2004\SUBDIVISIONS\2019\19-0238 STARLIGHT VILLAGE\PHASE 2\CIVIL\DWG\STARLIGHT VILLAGE SUBDIVISION_CONSTRUCTION PLANS_07-25-2023.DWG



HDPE

RCP

PHASE BOUNDARIES

WATER & SEWER UTILITY NOTES:

1. ALL NEW 8-INCH WATER MAINS TO BE CLASS 900.
2. ALL WATER MAINS LARGER THAN 8" DIAMETER SHALL BE DUCTILE IRON (250 PSI PRESSURE CLASS).
3. ALL WATER AND SEWER INSTALLATION TO BE IN ACCORDANCE WITH THE CITY OF BRYANT "STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER LINES AND SEWER LINES, 2015 EDITION.
4. WATER LINES UNDER CULVERTS, CREEKS, CONCRETE CHANNELS, RETAINING WALLS, OR OTHER DIFFICULT AND /OR DANGEROUS TO MAINTAIN AREAS SHALL BE ENCASED IN A SMOOTH STEEL ENCASEMENT PIPE. THE STEEL ENCASEMENT SHALL EXTEND FIVE FEET EITHER SIDE OF THE AREA.
5. EACH WATER SERVICE METER MUST HAVE ITS OWN SERVICE LINE CONNECTION TO THE MAIN (INCLUDES DOUBLE METERS DISPLAYED AS ONE SERVICE LINE ON THE PLAT.
6. WATER MAIN CONNECTION TO THE NORTH WILL BE CONSTRUCTED IN PHASE 2, CONNECTION TO THE SOUTH WILL BE IN THE FINAL PHASE.

SEWER CONSTRUCTION NOTES:

1. ALL SEWER INSTALLATION TO BE IN ACCORDANCE WITH THE CITY OF BRYANT " STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER LINES AND SEWER LINES, 2015 EDITION"
2. ALL SEWER LINES CROSSING UNDER ALL CONCRETE STORM DRAINS OR ANY STORM DRAIN 30-INCH DIAMETER AND LARGER, OR ALL STORM DRAINS WITH MULTIPLE PIPE RUNS, SHALL BE STEEL ENCASED A MINIMUM OF 5 FEET EITHER SIDE OF THE STORM DRAIN.

VERTICAL SEPARATION OF WATER AND SANITARY SEWER NOTE:

WATER MAINS AND SANITARY SEWERS SHALL BE CONSTRUCTED AS FAR APART AS PRACTICABLE, AND SHALL BE SEPARATED BY UNDISTURBED AND COMPACT EARTH. A MINIMUM HORIZONTAL DISTANCE OF 10-FEET SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINES OR OTHER SOURCES OF CONTAMINATION. WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWER MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE. IF THIS DISTANCE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18-INCHES SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 14048
WILLIAM W. McFADDEN

CERTIFICATE OF AUTHORIZATION
HOPE CONSULTING, INC.
No. 1931
ARKANSAS

N

BASIS OF BEARING: GRID NORTH, ARKANSAS COORDINATE SYSTEM, SOUTH ZONE BY GPS OBSERVATION

80' 40' 0 80'

SEWER LEGEND:

SEWER SERVICE
SEWER MAIN
S SEWER MANHOLE

NOTE:
USE SDR-26 PVC SEWER PIPE EXCEPT WHERE DUCTILE IRON PIPE REQUIRED FOR COVER. USE DUCTILE IRON PIPE WHERE 3' MINIMUM COVER CANNOT BE MAINTAINED.

CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL BURIED UTILITIES PRIOR TO CONSTRUCTION.

WATER LEGEND:

- DUAL WATER METERS
- SINGLE WATER METER
- GATE VALVE
- 45º FITTING
- 90º FITTING
- TEE FITTING
- CROSS FITTING
- FH FIRE HYDRANT

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STARLIGHT VILLAGE SUBDIVISION UTILITY PLAN

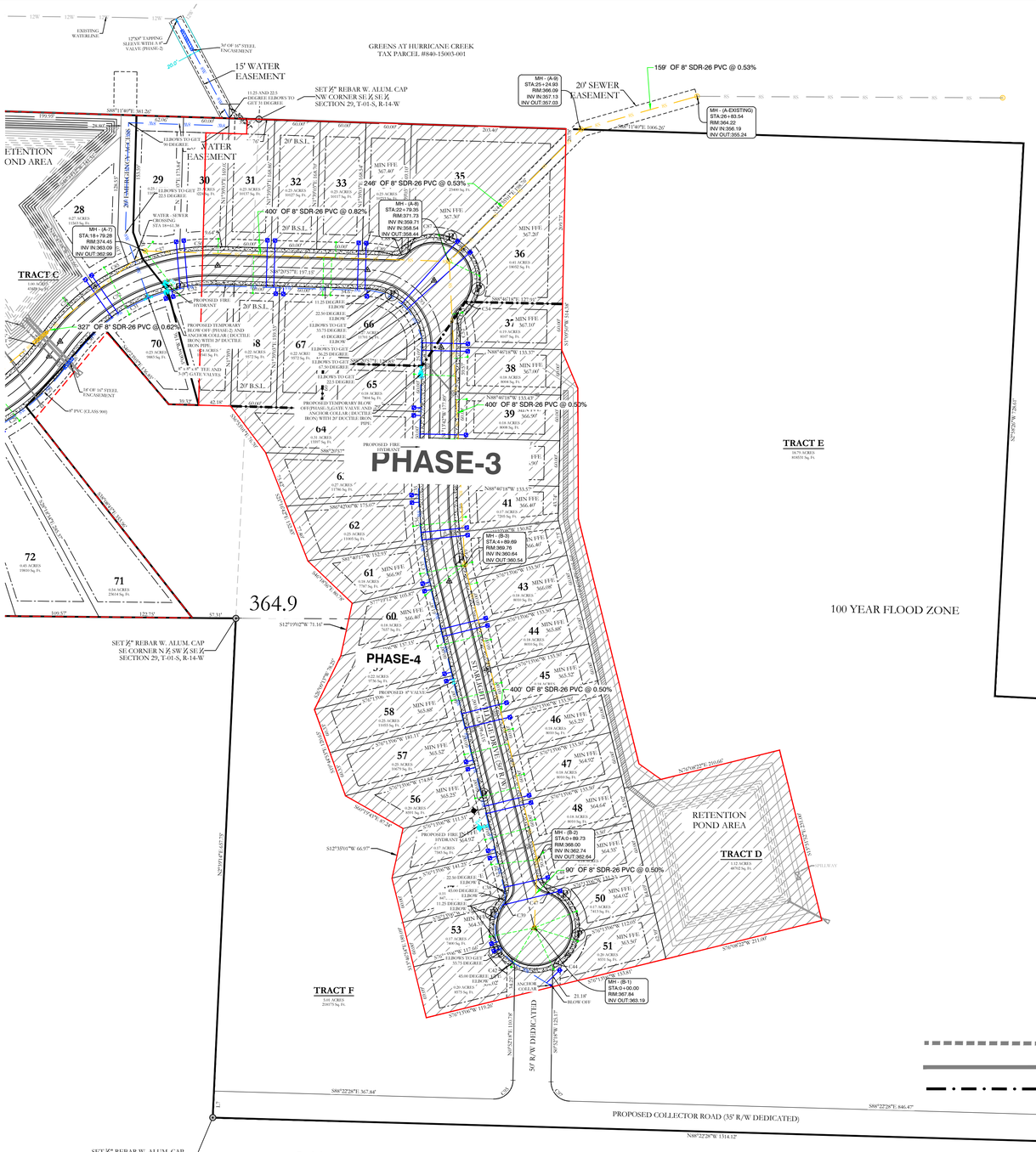
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE:	10/5/2023	C.A.D. BY:	DRAWING NUMBER:
REVISED:		CHECKED BY:	19-0238
SHEET:	C-2.0	SCALE:	

500	1S	15W	0	34	230	62	1807

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WATER & SEWER UTILITY NOTES:

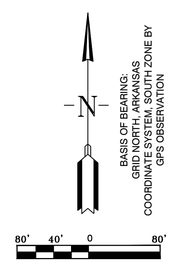
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 14048
WILLIAM W. McFADDEN

CERTIFICATE OF AUTHORIZATION
HOPE CONSULTING, INC.
No. 1931
ARKANSAS

SEWER LEGEND:

SEWER SERVICE
SEWER MAIN
SEWER MANHOLE

NOTE:
USE SDR-26 PVC SEWER PIPE EXCEPT WHERE DUCTILE IRON PIPE REQUIRED FOR COVER. USE DUCTILE IRON PIPE WHERE 3' MINIMUM COVER CANNOT BE MAINTAINED.

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- FH — FIRE HYDRANT

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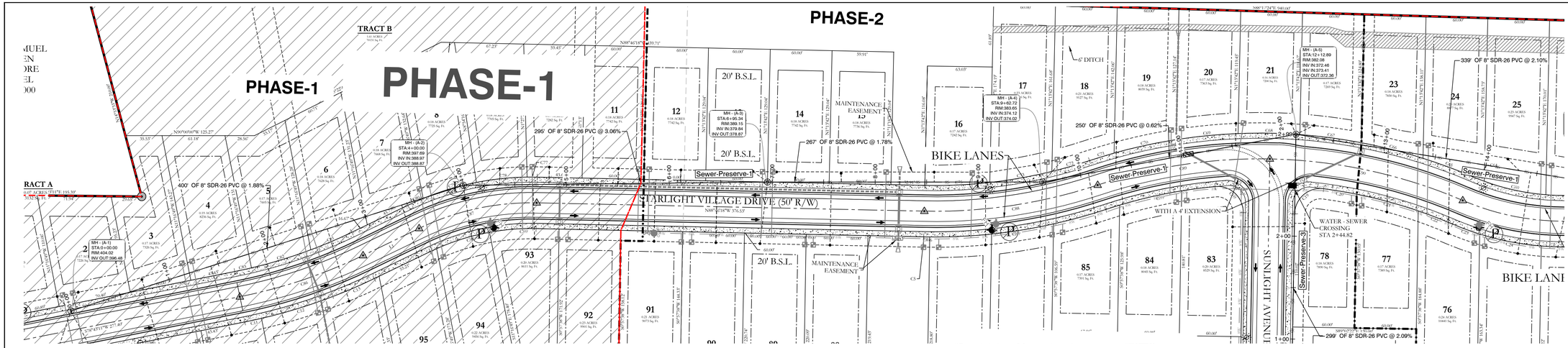
STARLIGHT VILLAGE SUBDIVISION
UTILITY PLAN

A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

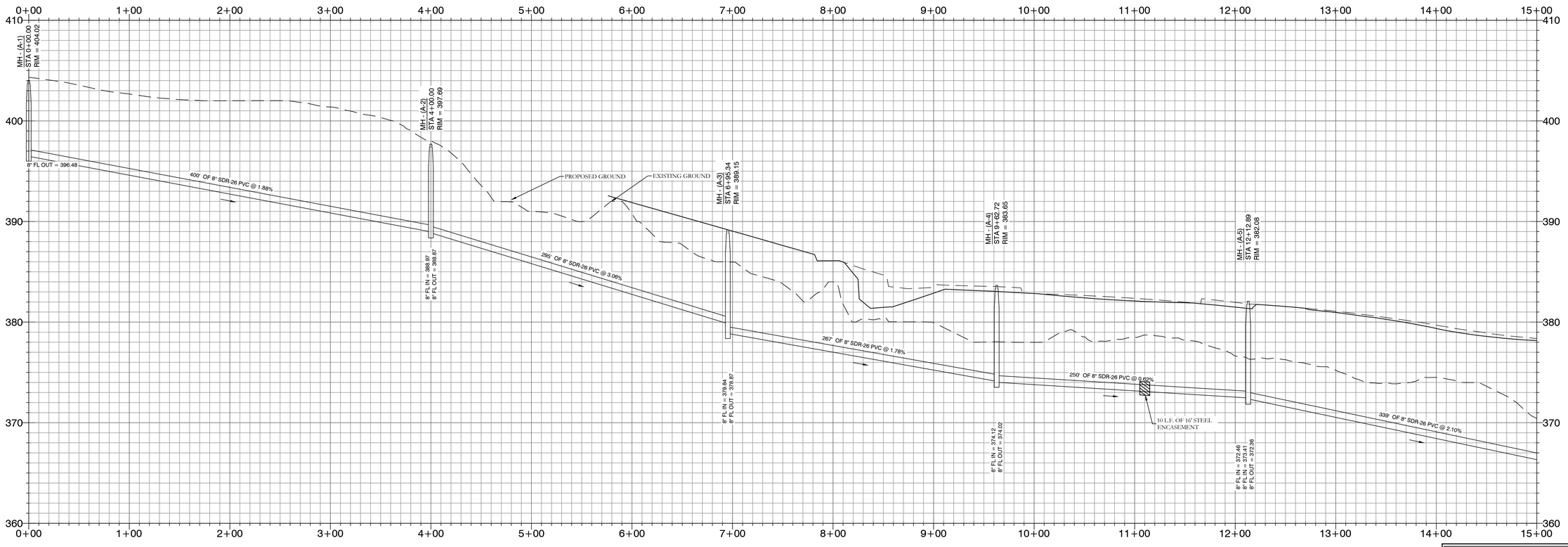
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SHEET:	C-2.1	SCALE:	

500	1S	15W	0	34	230	62	1807

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Sewer-Preserve-1 PROFILE



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STARLIGHT VILLAGE SUBDIVISION
SEWER PLAN AND PROFILE
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

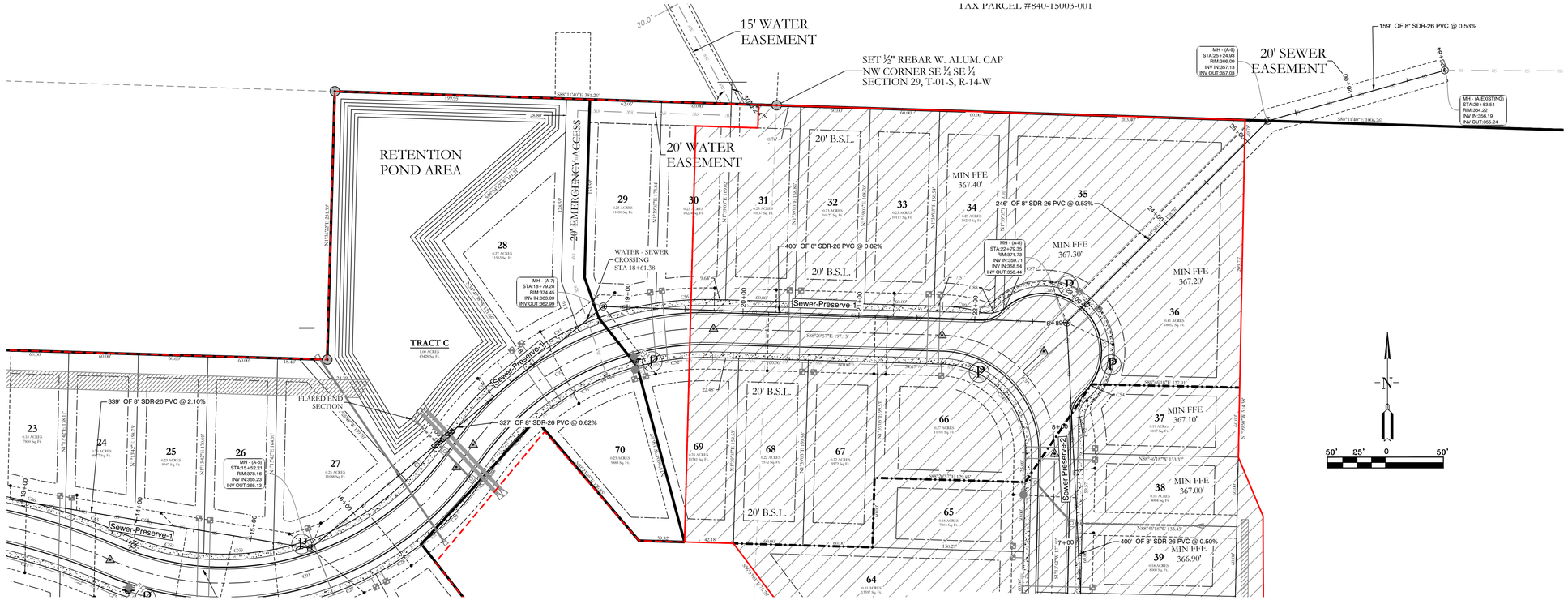
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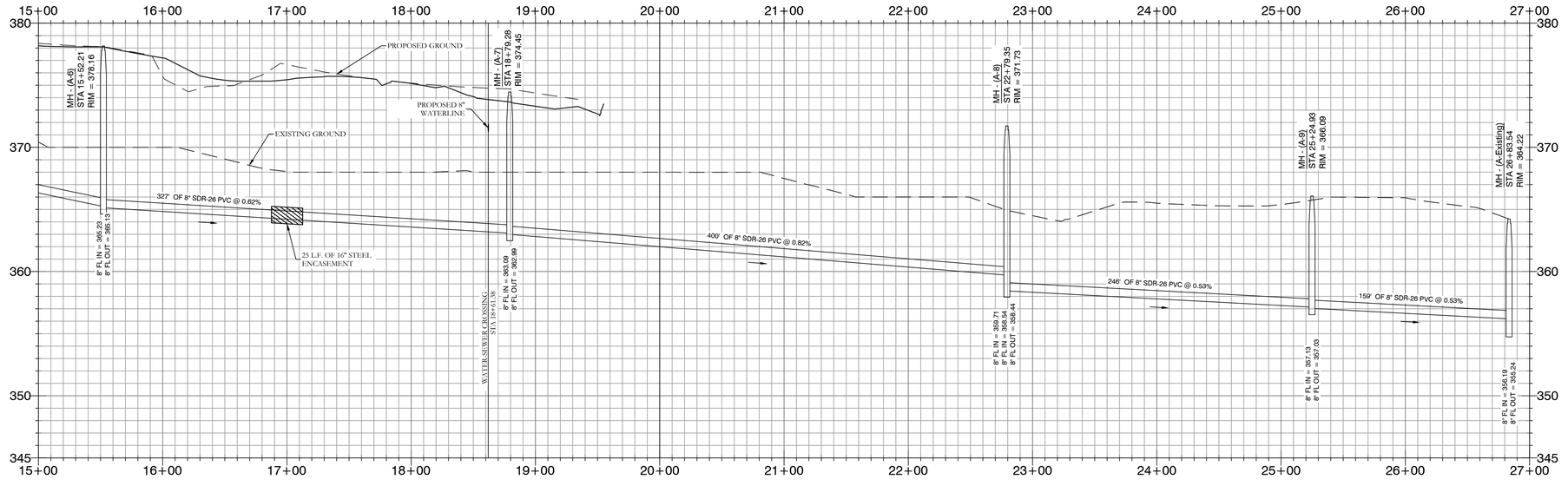
CERTIFICATE OF AUTHORIZATION HOPE CONSULTING, INC. No. 1931 ARKANSAS

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 14048 WILLIAM W. McEADDEN

K:\LAND PROJECTS 2004\SUBDIVISIONS\2019\19-0238 STARLIGHT VILLAGE\PHASE 2\CIVIL\DWG\STARLIGHT VILLAGE SUBDIVISION_CONSTRUCTION PLANS_SC2-2SEL.DWG



Sewer-Preserve-1 PROFILE



CERTIFICATE OF AUTHORIZATION — HOPE CONSULTING, INC. — No. 1931 — ARKANSAS

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — NO. 14048 — WILLIAM W. McFADDEN

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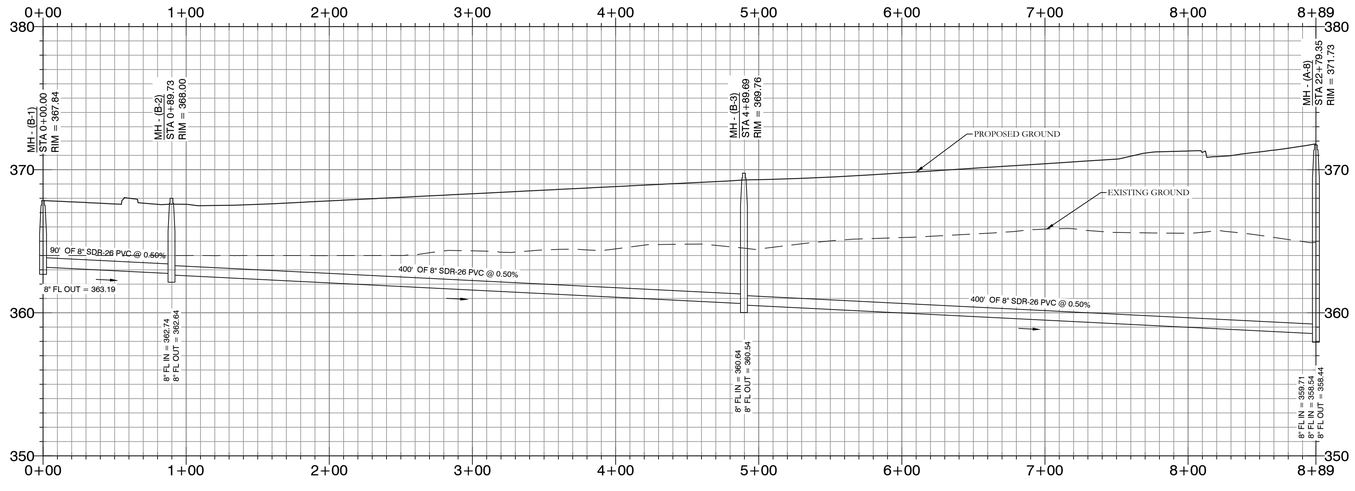
STARLIGHT VILLAGE SUBDIVISION
SEWER PLAN AND PROFILE
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

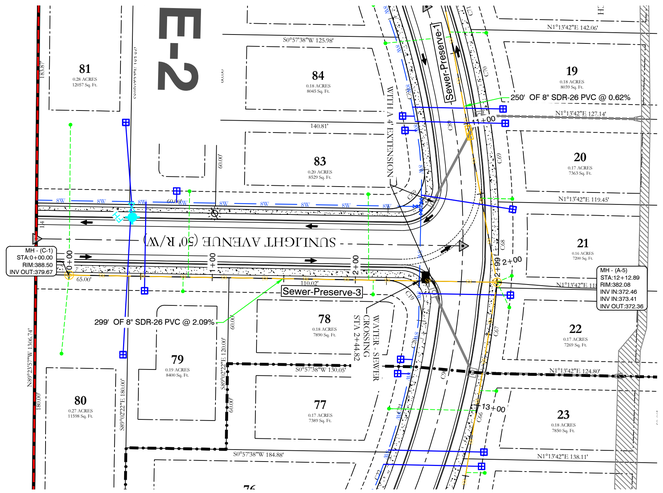
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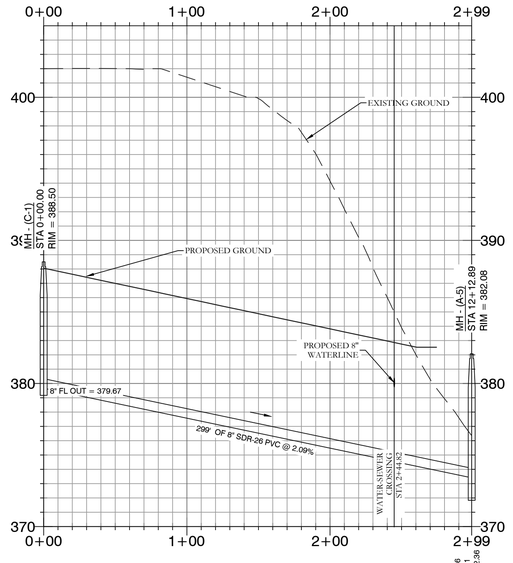
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50' 25' 0 50'

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SEWER PLAN AND PROFILES
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

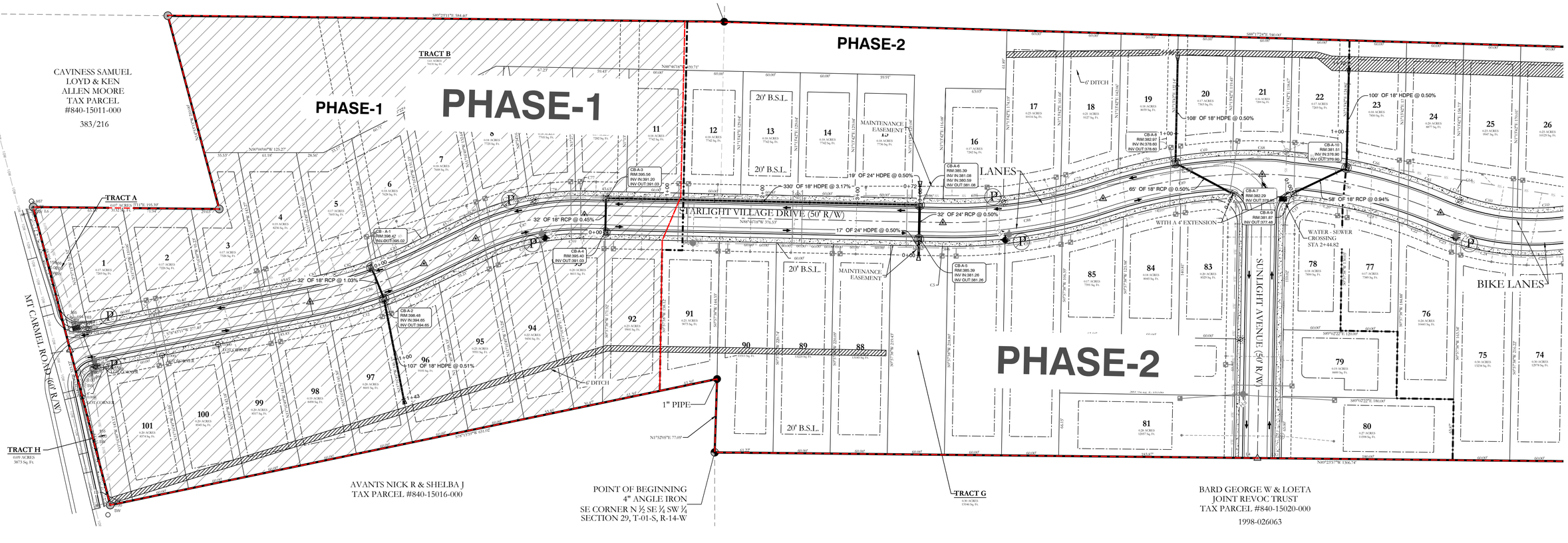
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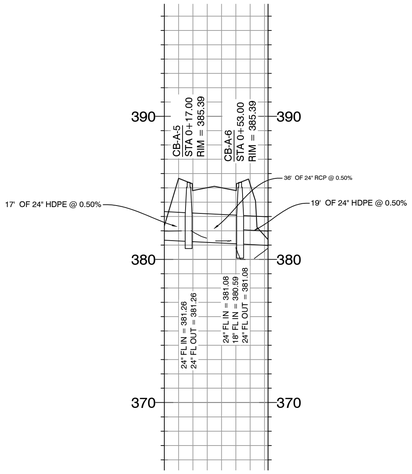
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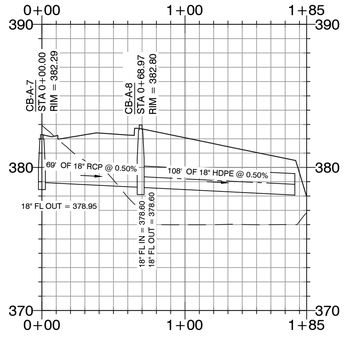
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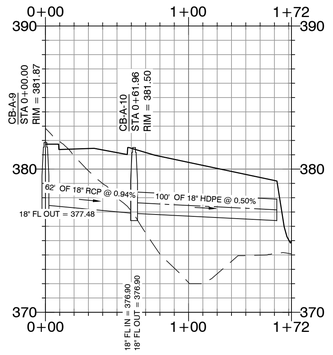
STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — NO. 14048 — WILLIAM W. McSWORD

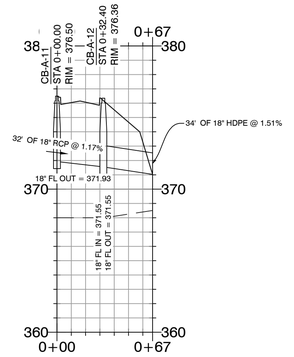
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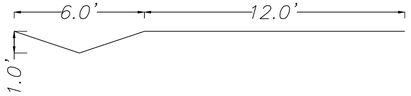












6 ' DITCH

GENERAL NOTES

- 6' ditches will have a 3:1 slope ratio
- 6' ditches will have solid sod stabilization

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No. 930
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 14048
WILLIAM W. McFADDEN

N
50' 25' 0 50'

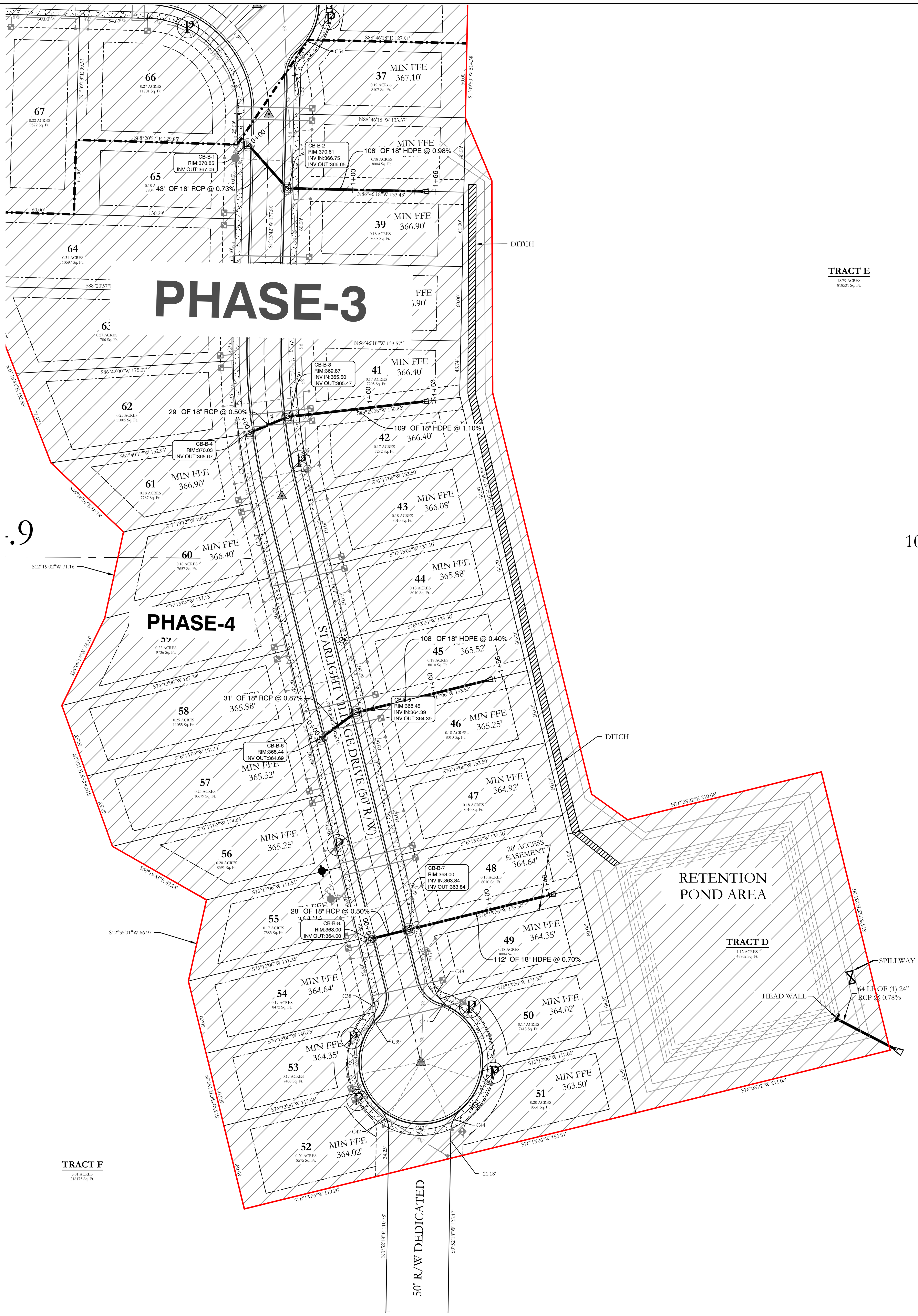
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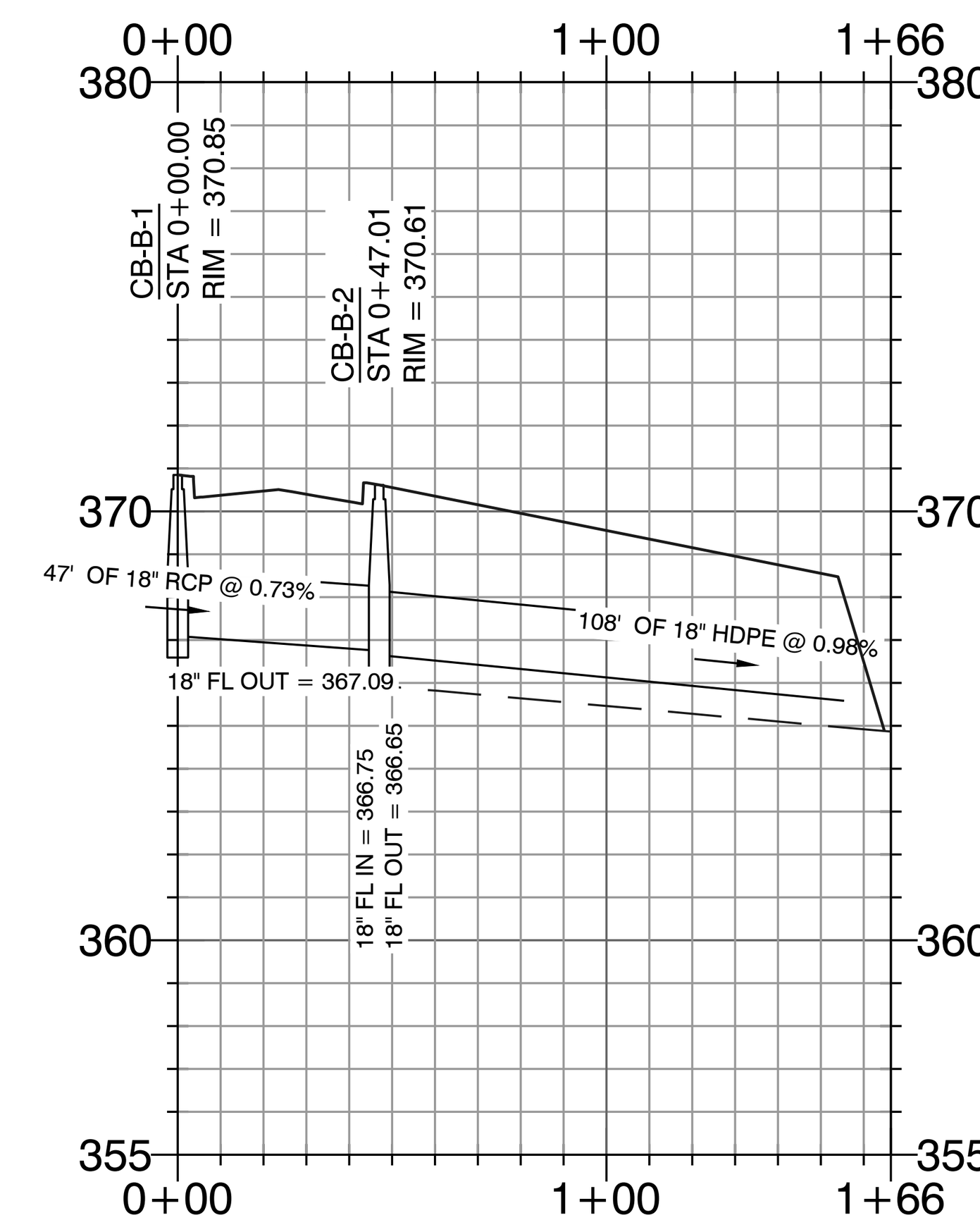
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STROM DRAINAGE PLAN AND PROFILE
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

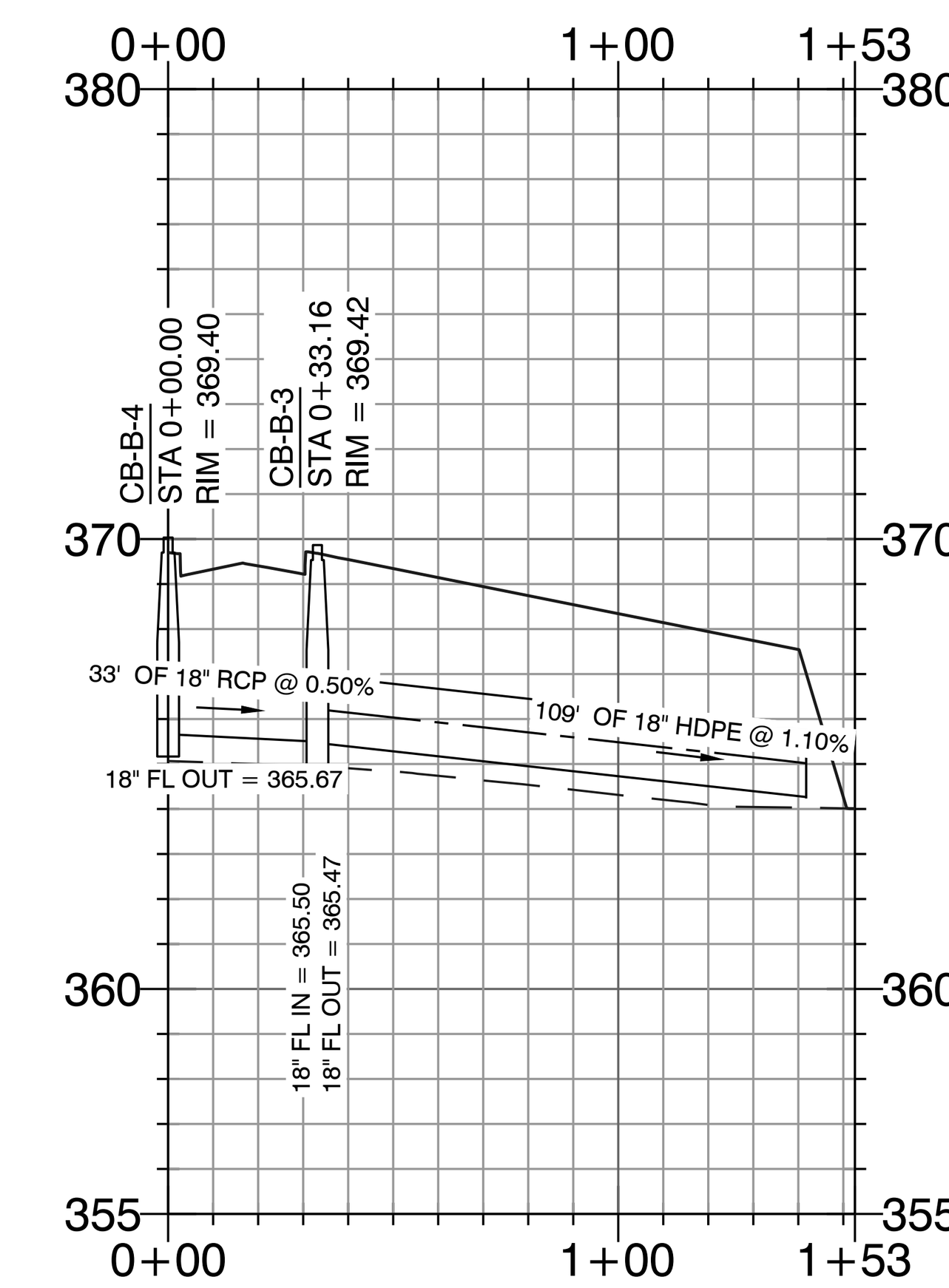
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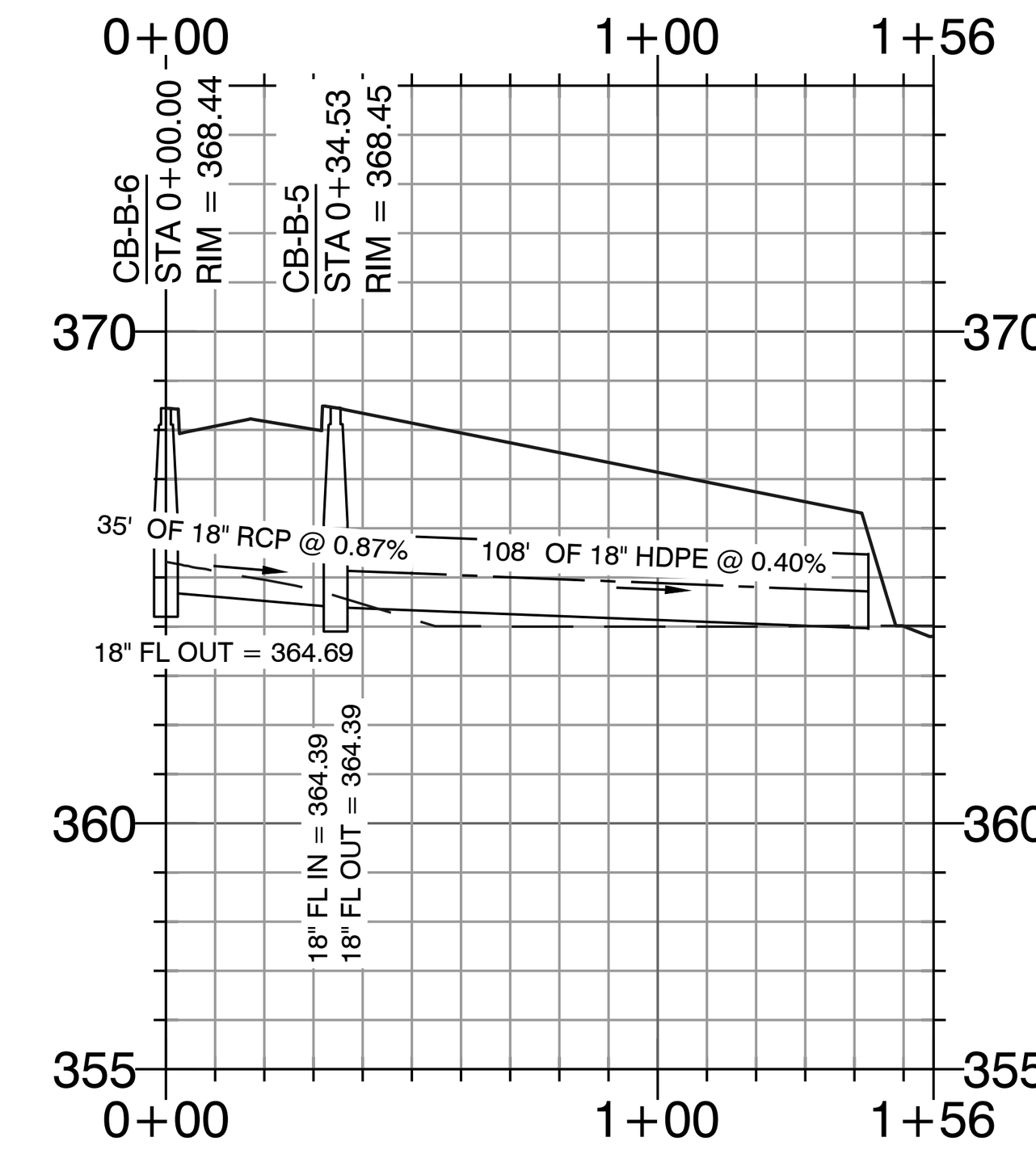
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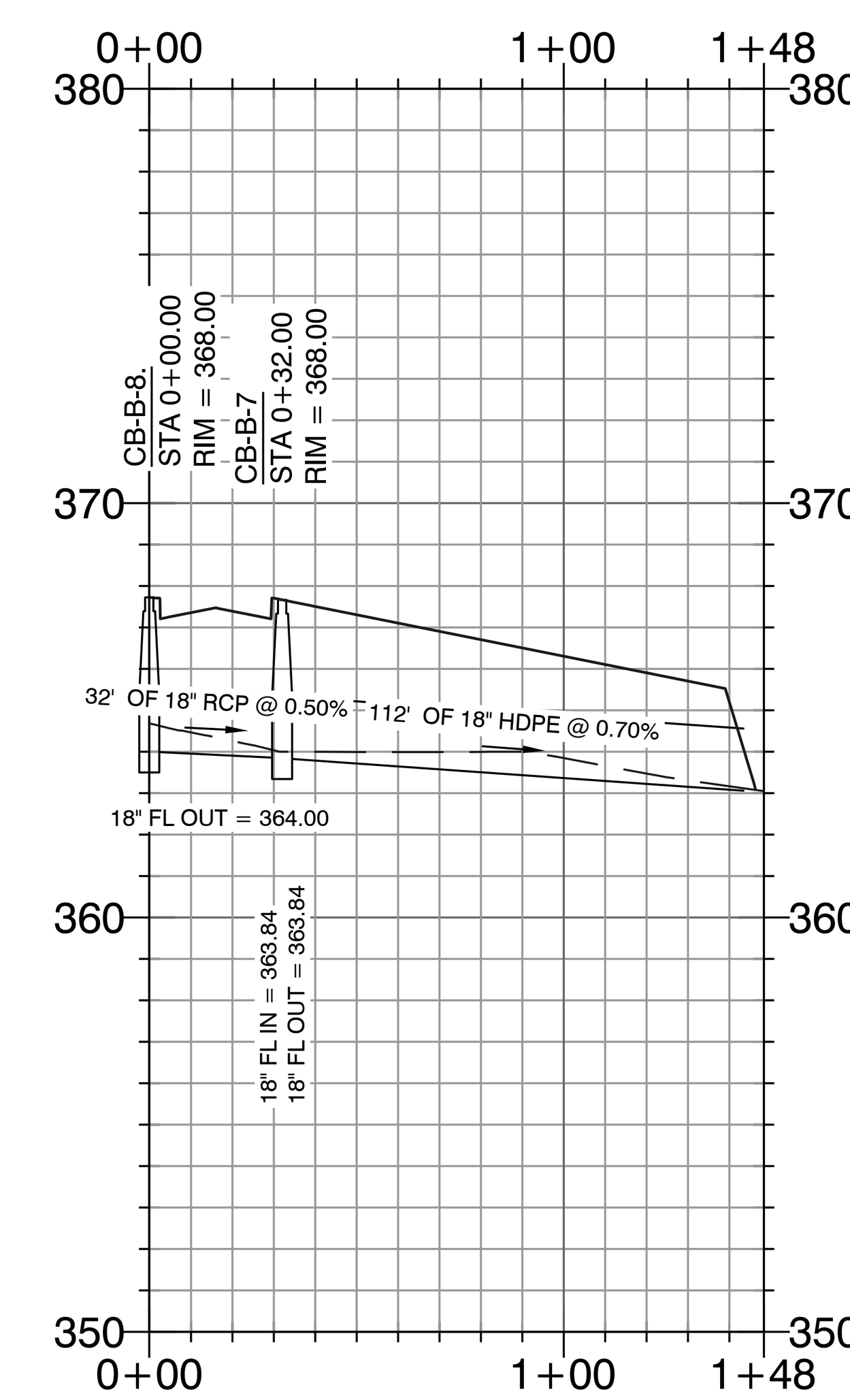
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No. 1931
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 14048
WILLIAM W. McFADDEN

N

50' 25' 0 50'

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Benton, Arkansas 72015
PH. (501)315-2626
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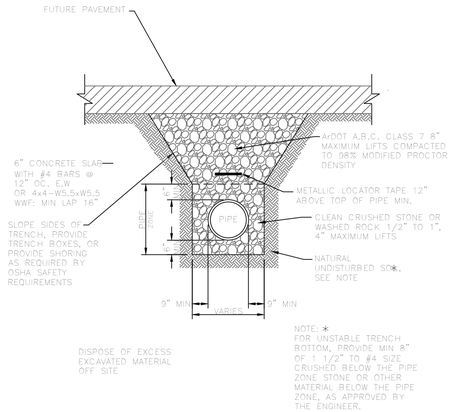
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STARLIGHT VILLAGE SUBDIVISION
STROM DRAINAGE PROFILES
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

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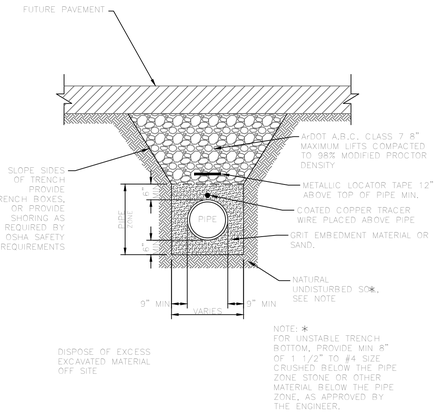
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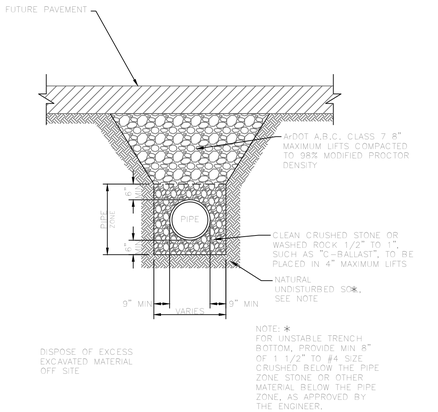
PVC SEWER TRENCH UNDER FUTURE ASPHALT STREET

N.T.S.



PVC WATER LINE TRENCH UNDER FUTURE ASPHALT STREET

N.T.S.

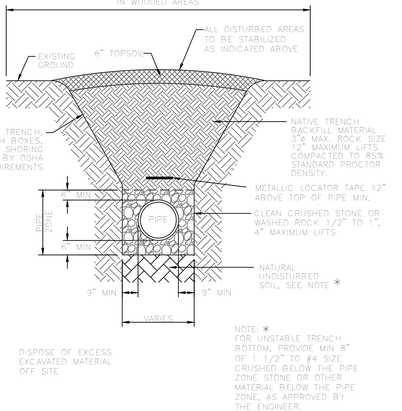


DRAINAGE PIPE TRENCH UNDER FUTURE ASPHALT STREET

N.T.S.

SOIL STABILIZATION REQUIREMENTS:

1. IN LAWN AREAS, DISTURBED SOIL SHALL BE STABILIZED BY PLACEMENT OF SOD TO MATCH EXISTING.
2. IN FIELDS OR WOODED AREAS, DISTURBED SOIL SHALL BE STABILIZED BY SEEDING.

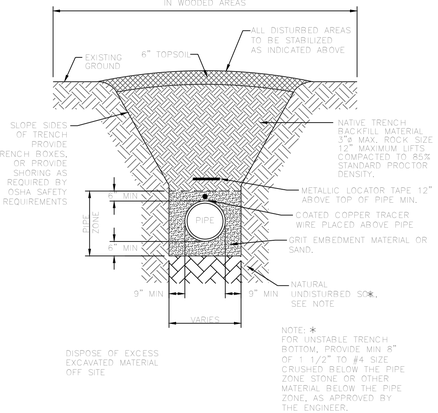


PVC SEWER TRENCH IN UNPAVED AREAS

N.T.S.

SOIL STABILIZATION REQUIREMENTS:

1. IN LAWN AREAS, DISTURBED SOIL SHALL BE STABILIZED BY PLACEMENT OF SOD TO MATCH EXISTING.
2. IN FIELDS OR WOODED AREAS, DISTURBED SOIL SHALL BE STABILIZED BY SEEDING.

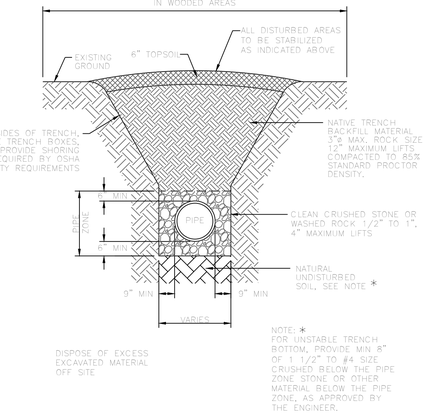


PVC WATER LINE TRENCH IN UNPAVED AREAS

N.T.S.

SOIL STABILIZATION REQUIREMENTS:

1. IN LAWN AREAS, DISTURBED SOIL SHALL BE STABILIZED BY PLACEMENT OF SOD TO MATCH EXISTING.
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DRAINAGE PIPES IN UNPAVED AREAS

N.T.S.

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STARLIGHT VILLAGE SUBDIVISION
TRENCH DETAILS

A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

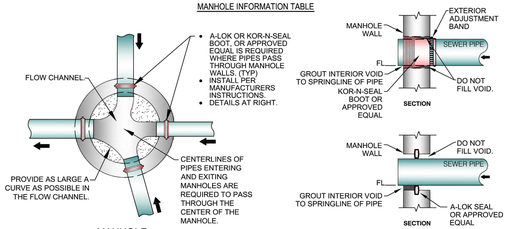
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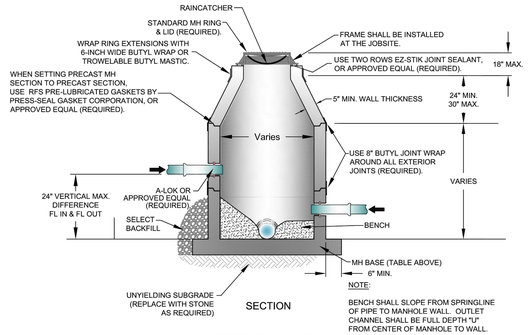
Inside Diameter of Manhole	Minimum Wall Thickness	Base Thickness	Minimum Ring & Cover Size
4' DIA	5"	6"	24" (< or Equal to 24" Pipes)
5' DIA	7"	8"	36" (> 24" Pipes)
6' DIA	7"	8"	

MANHOLE INFORMATION TABLE



MANHOLE FLOW CHANNEL

CONNECTION DETAILS

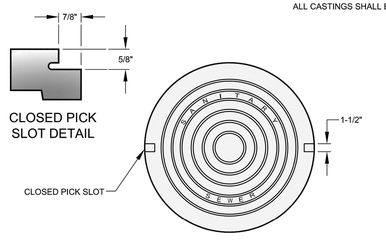


PRECAST MANHOLE

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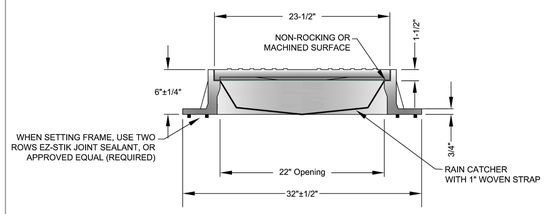
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WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION:	PRECAST MANHOLE	REVISED ----- ----- ----- -----	S5
	DRAWN BY:	CHECKED BY:	FILE: S5-Precast Manhole.dwg	

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"

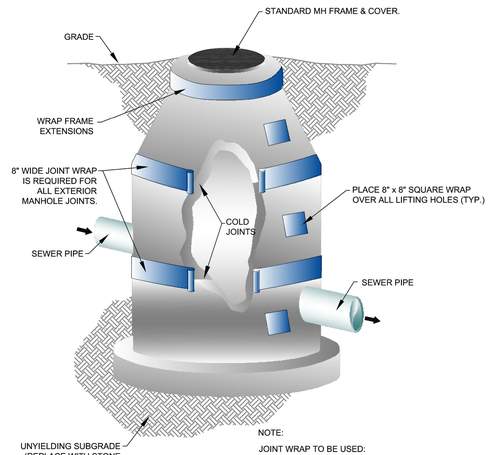
* DIMENSIONAL TOLERANCES SHALL NOT EXCEED 1/16 INCH PER FOOT



FRAME AND COVER DETAIL

4/16/2021 10:56:53 AM

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WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION:	MANHOLE FRAME AND COVER	REVISED ----- ----- ----- -----	S6
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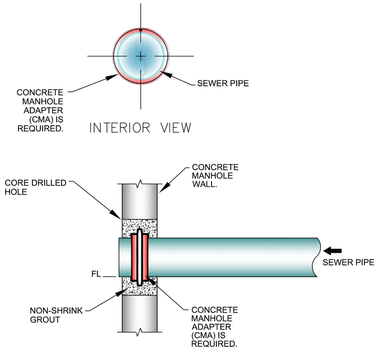
NOTE:

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

MANHOLE JOINT WRAP

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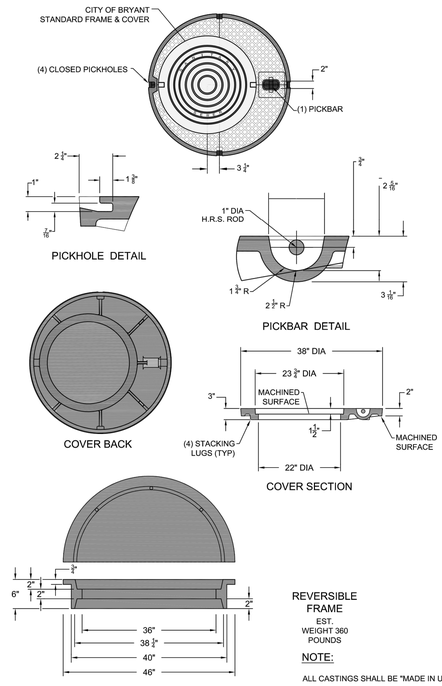
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MANHOLE CORING DETAILS

4/16/2021 10:57:34 AM

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NOTE:

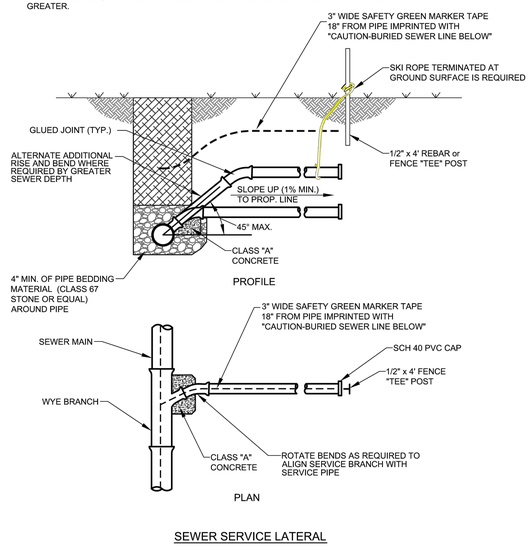
ALL CASTINGS SHALL BE "MADE IN USA"

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WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION:	36-INCH MANHOLE FRAME AND COVER	REVISED ----- ----- ----- -----	S8
	DRAWN BY:	CHECKED BY:	FILE: S8-36 Inch Manhole Frame and Cover.dwg	

NOTES:

1. MODIFIED RISER LATERAL SHALL BE USED WHEN DEPTH OF COVER EXCEEDS 7'-0"
2. PLACE CLASS "A" CONCRETE UNDER EACH WYE BRANCH TO PREVENT CRACKING OR TWISTING UNDER EARTH LOADS.
3. SERVICE LATERAL STUBS SHALL TERMINATE AT LEAST 2 FEET INSIDE THE PROPERTY LINE BUT IN NO CASE SHALL THE SERVICE LATERAL STUB TERMINATE AT A DISTANCE LESS THAN 8 FEET FROM THE SANITARY SEWER MAIN.
4. BURY A 1/2" x 4' STEEL TEE FENCE POST AT END OF SERVICE LATERAL STUB AND BACKFILL TO FINISHED GRADE OF PROPERTY.
5. 4" DUCTILE IRON PIPE, LINED FOR SANITARY SEWER AND 4" DUCTILE IRON M.J. FITTINGS, LINED FOR SANITARY SEWER, SHALL BE INSTALLED FOR SERVICES BURIED AT DEPTHS OF 14 FEET AND GREATER.



SEWER SERVICE LATERAL

4/16/2021 10:58:06 AM

CITY OF BRYANT, AR	TITLE:	SEWER DETAILS	DATE: APRIL 2015	SHEET:
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	DRAWN BY:	CHECKED BY:	FILE: S15-Sewer Service Lateral.dwg	

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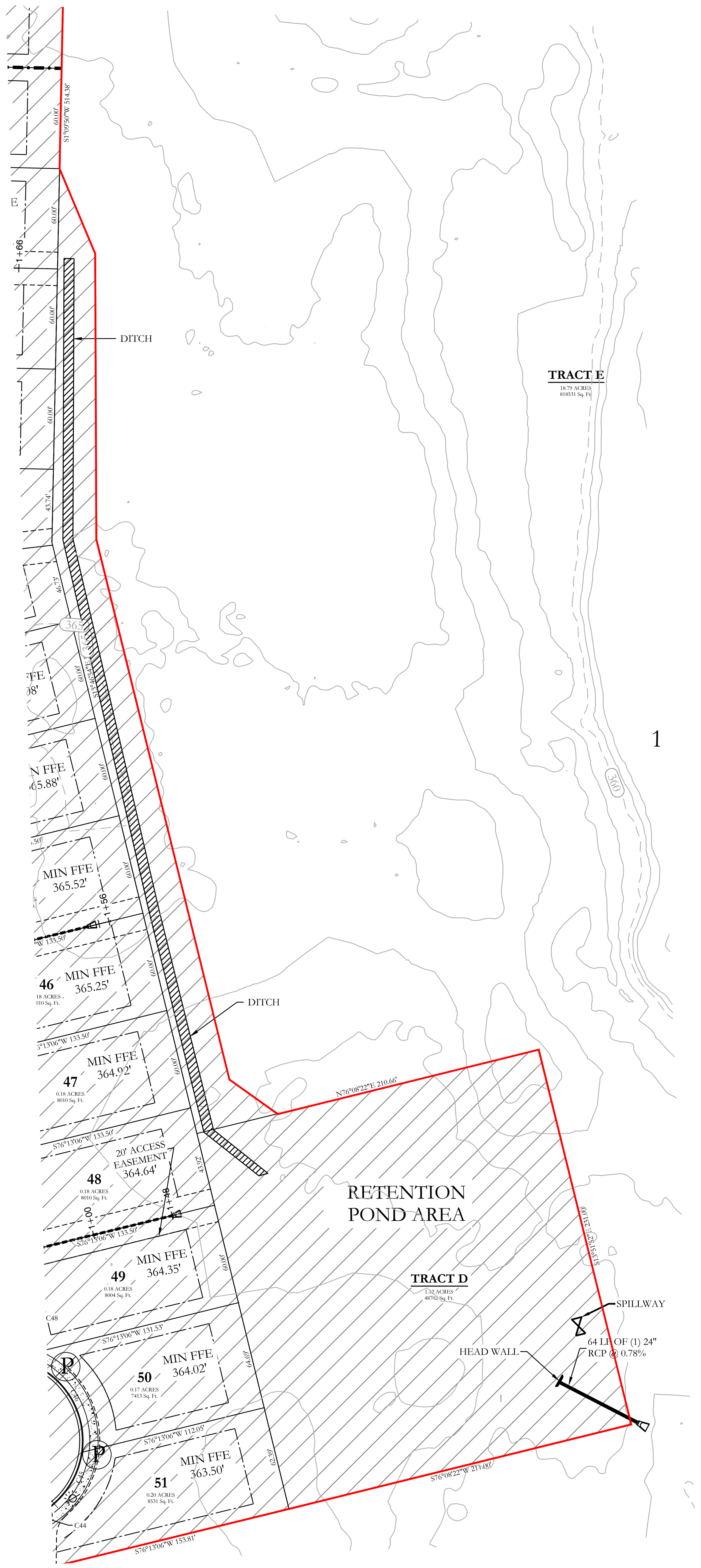
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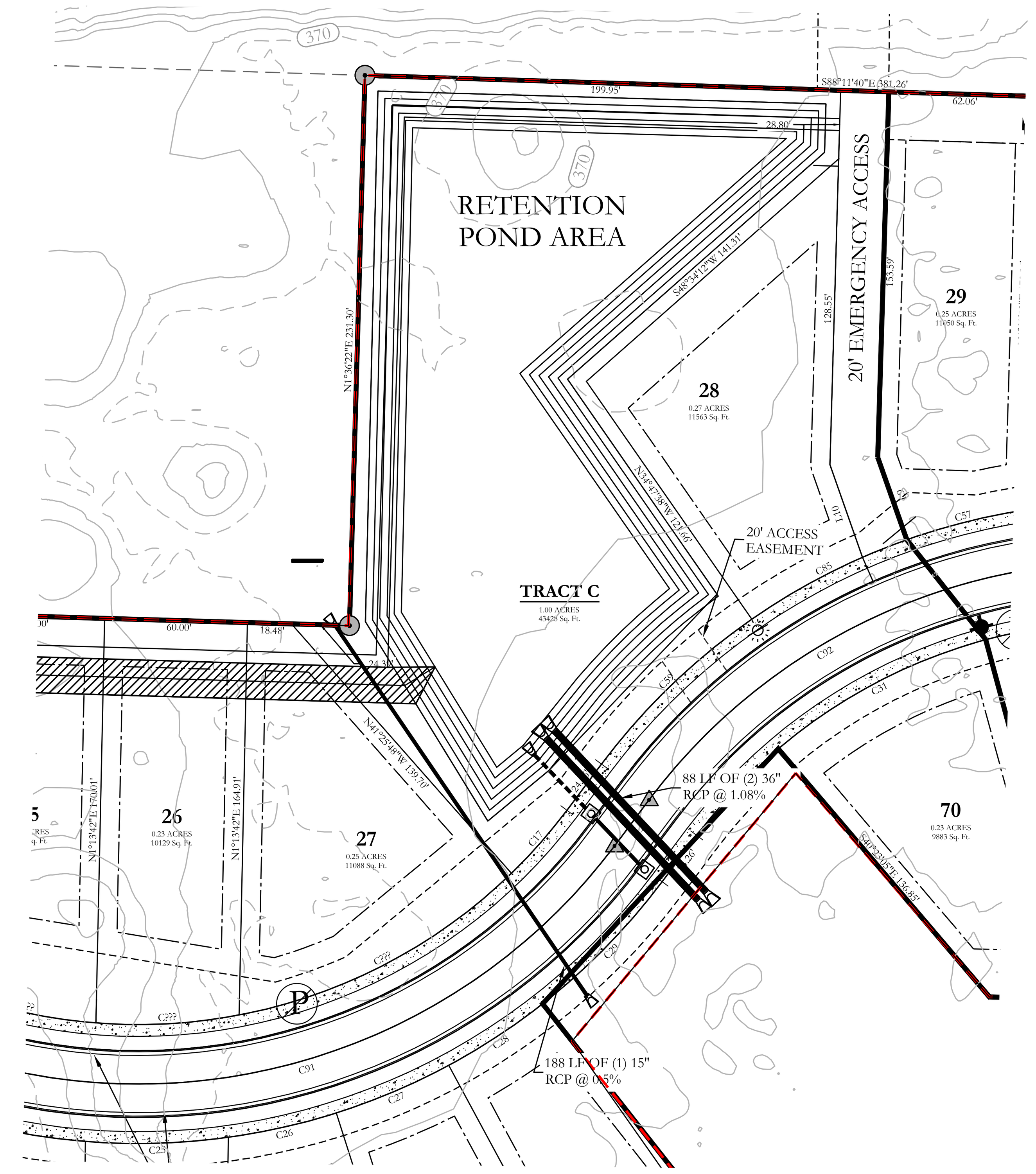
STARLIGHT VILLAGE SUBDIVISION
SEWER DETAILS
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

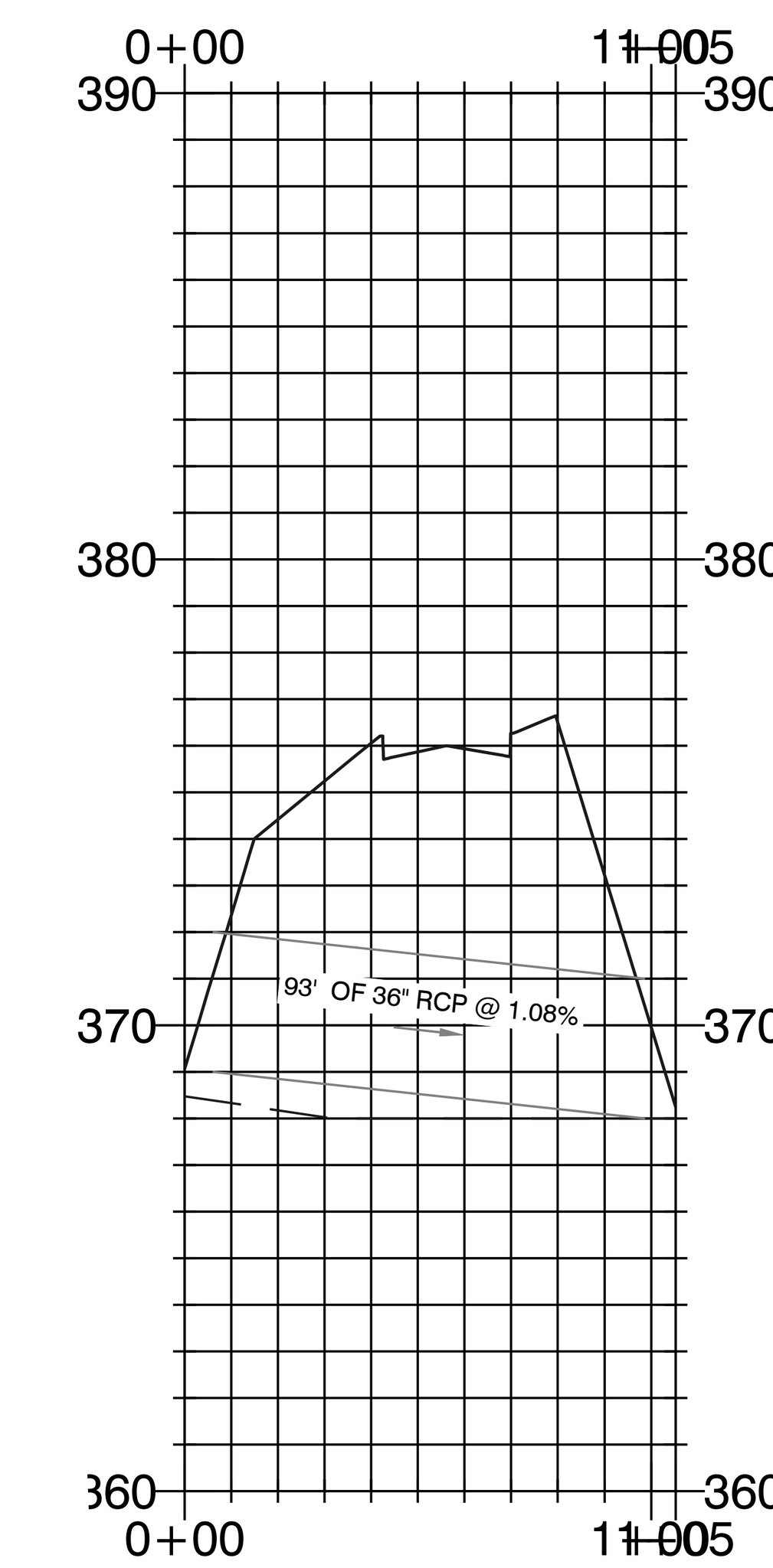
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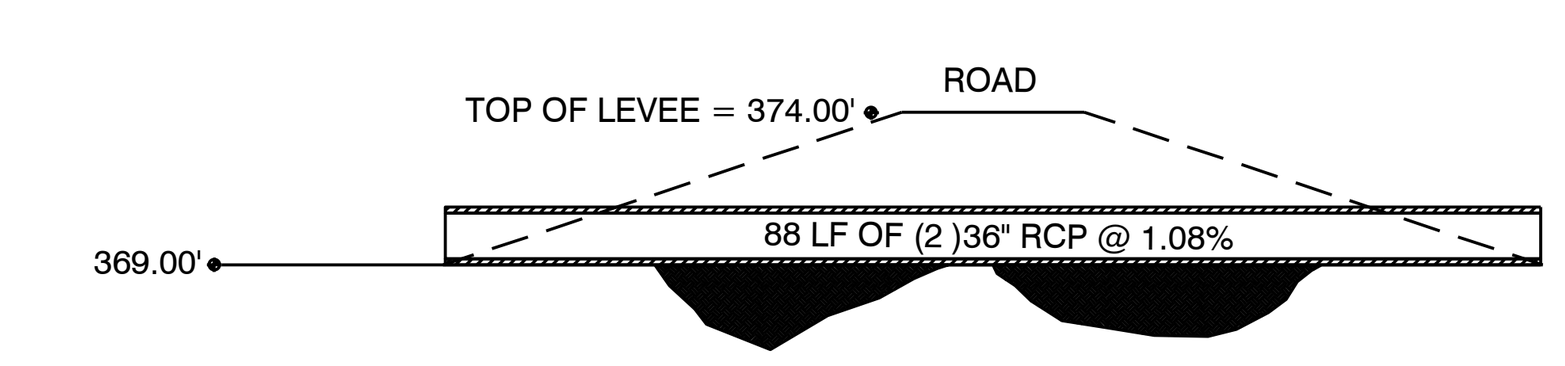
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PLOTTED: 2/22/2024 3:49:06 PM BY: CHRIS HOPE







RETENTION POND - PLAN VIEW



OUTLET PROFILE
SCALE: 1" = 10'

RETENTION POND - OUTLET CROSS-SECTIONS & DETAILS

SCALE: VARIES

RETENTION POND MAINTENANCE PLAN

Background

The retention ponds (Tract C and D) are located at the North and South side of the subject property. Detention ponds are designed to temporarily detain storm water to meet water quantity criteria before discharging off the property.

Stabilization of Retention Basin provided with 3-1 slopes with required Sodding.

6' Swales with required sodding.

Fences are prohibited in the drainage easement area.

Maintenance of retention ponds will be conducted by the improvement district.

Retention Pond Tract C will be constructed in Phase-2.

Routine Maintenance

Routine maintenance will include but not be limited to:

-Mowing of the bank slopes and area around the pond on a monthly basis during the growing season and as needed during the cooler months.

-The outlet pipe from the pond and other areas will be inspected monthly for debris which could inhibit the proper flow of discharge. Any debris will be removed immediately and disposed of or placed in a location to prevent future maintenance and to not cause impact up or downstream of the structure.

-Trash will be removed from around the pond to prevent entering the pond. Generally, the site should be kept free of loose trash which could be carried off site by wind or rain.

-Inspect the pond and outlet pipe for non-routine maintenance need.

Periodic or Non-Routine Maintenance

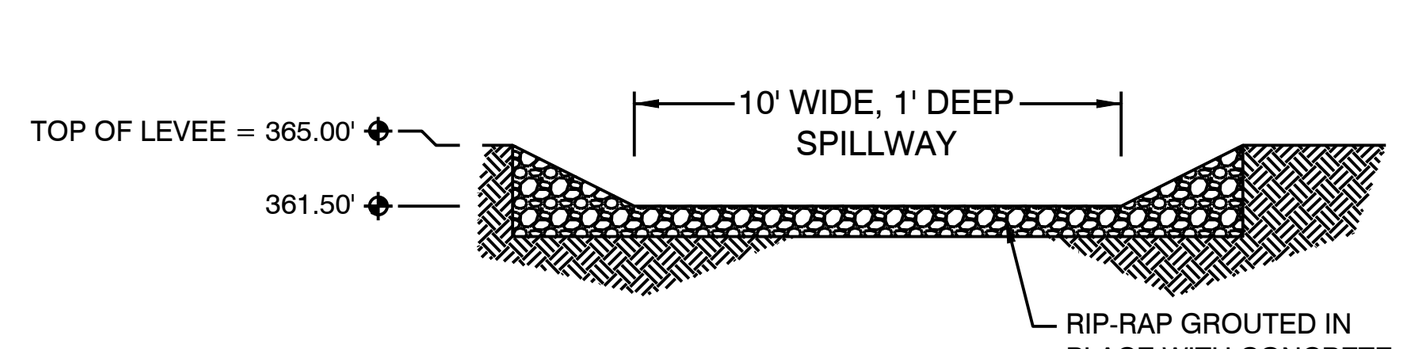
The routine inspection of the pond area and discharge pipe will identify needed repairs and non-routine maintenance. These items may include but not be limited to:

-Re-growth of trees on or around the pond bank. These should be cut and removed from the pond area.

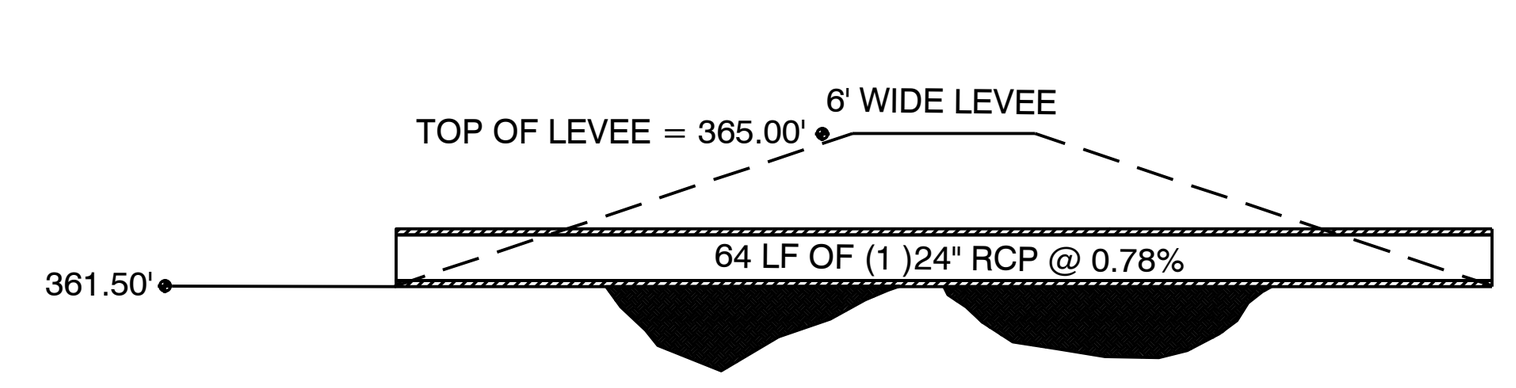
-Sediment from the site may accumulate in the pond bottom and reduce the pond to below design volume requirements. The pond should be excavated if the pond bottom elevation reached a level that allows excessive aquatic growth or reduces the pond efficiency such, that the sediments are passing the discharge structure and release off site.

-Stabilization or re-grading of side slopes may be required periodically or after excessive rain events. Any disturbance of slopes should be reseeded or may require installation of erosion control materials until seeding can reestablish adequate grasses to prevent future erosion.

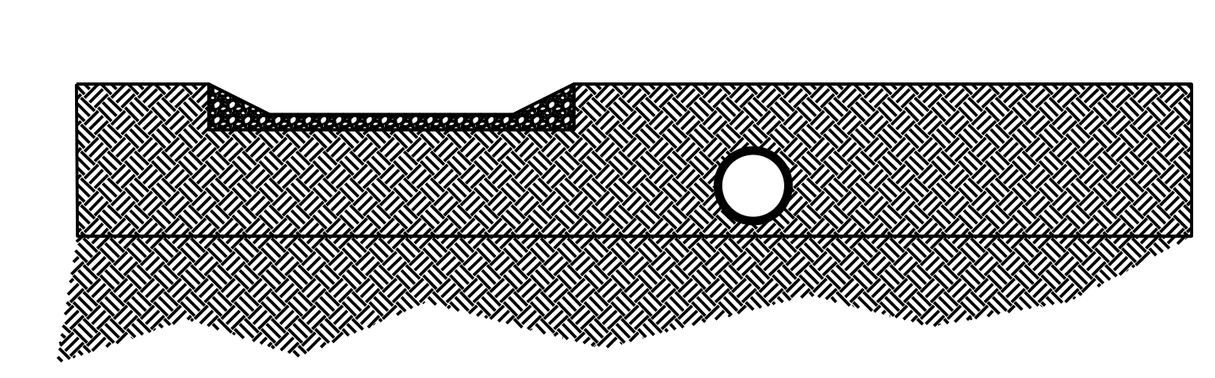
-Any other maintenance or repairs which would minimize other maintenance to the pond or outfall structures.



SPILLWAY END VIEW
SCALE: 1" = 5'



OUTLET PROFILE
SCALE: 1" = 10'



OUTLET END VIEW

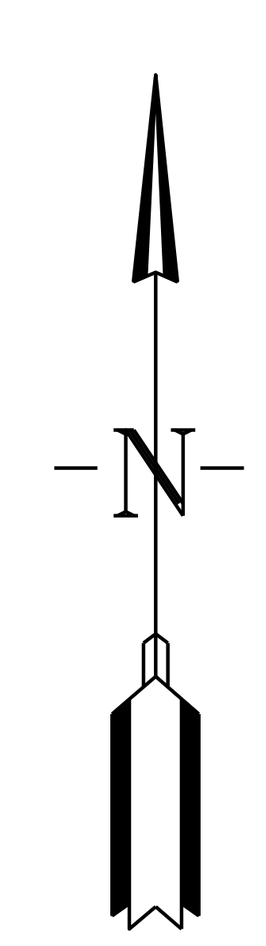
RETENTION POND - OUTLET CROSS-SECTIONS & DETAILS

SCALE: VARIES

30' 15' 0 30'

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No. 1931
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 14048
WILLIAM W. McFADDEN



BASIS OF BEARING:
GRID NORTH, ARKANSAS
COORDINATE SYSTEM, SOUTH ZONE BY
GPS OBSERVATION

50' 25' 0 50'

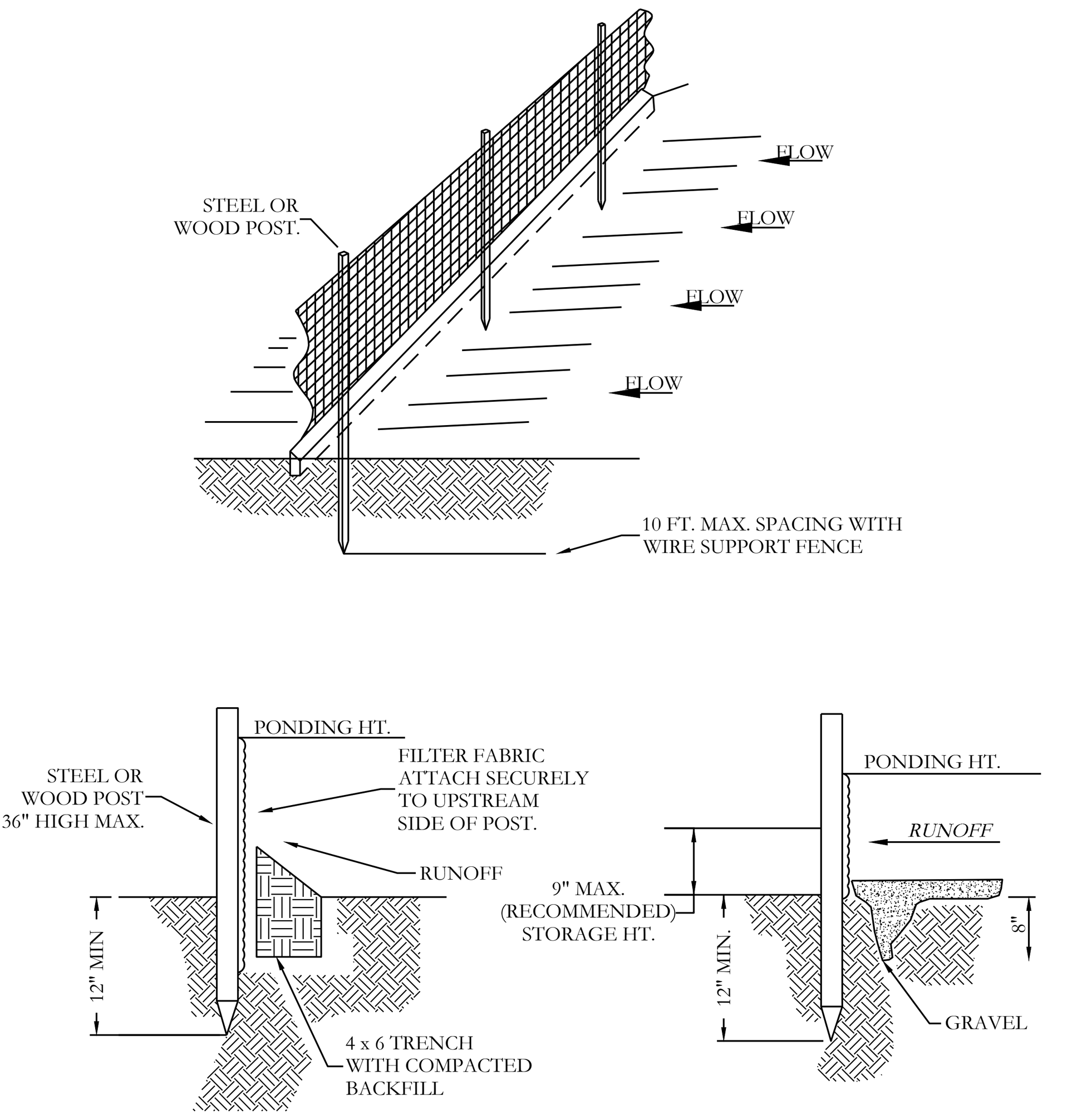
HOPE CONSULTING
ENGINEERS - SURVEYORS
117 S. Market Street,
Benton, Arkansas 72015
PH. (501)315-2626
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www.hopeconsulting.com

FOR USE AND BENEFIT OF:
WIGGINS FAMILY REAL ESTATE HOLDINGS, LLC

STARLIGHT VILLAGE SUBDIVISION
DETENTION POND
A SUBDIVISION IN CITY OF BRYANT, SALINE COUNTY, ARKANSAS

DATE:	10/5/2023	C.A.D. BY:	DRAWING NUMBER:
REVISED:		CHECKED BY:	19-0238
SHEET:	C-5.0	SCALE:	

K:\LAND PROJECTS 2004\SUBDIVISIONS\2019\19-0238 STARLIGHT VILLAGE\PHASE 2\CIVIL\DWG\STARLIGHT VILLAGE SUBDIVISION_CONSTRUCTION PLANS_07-27-2023.DWG



STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

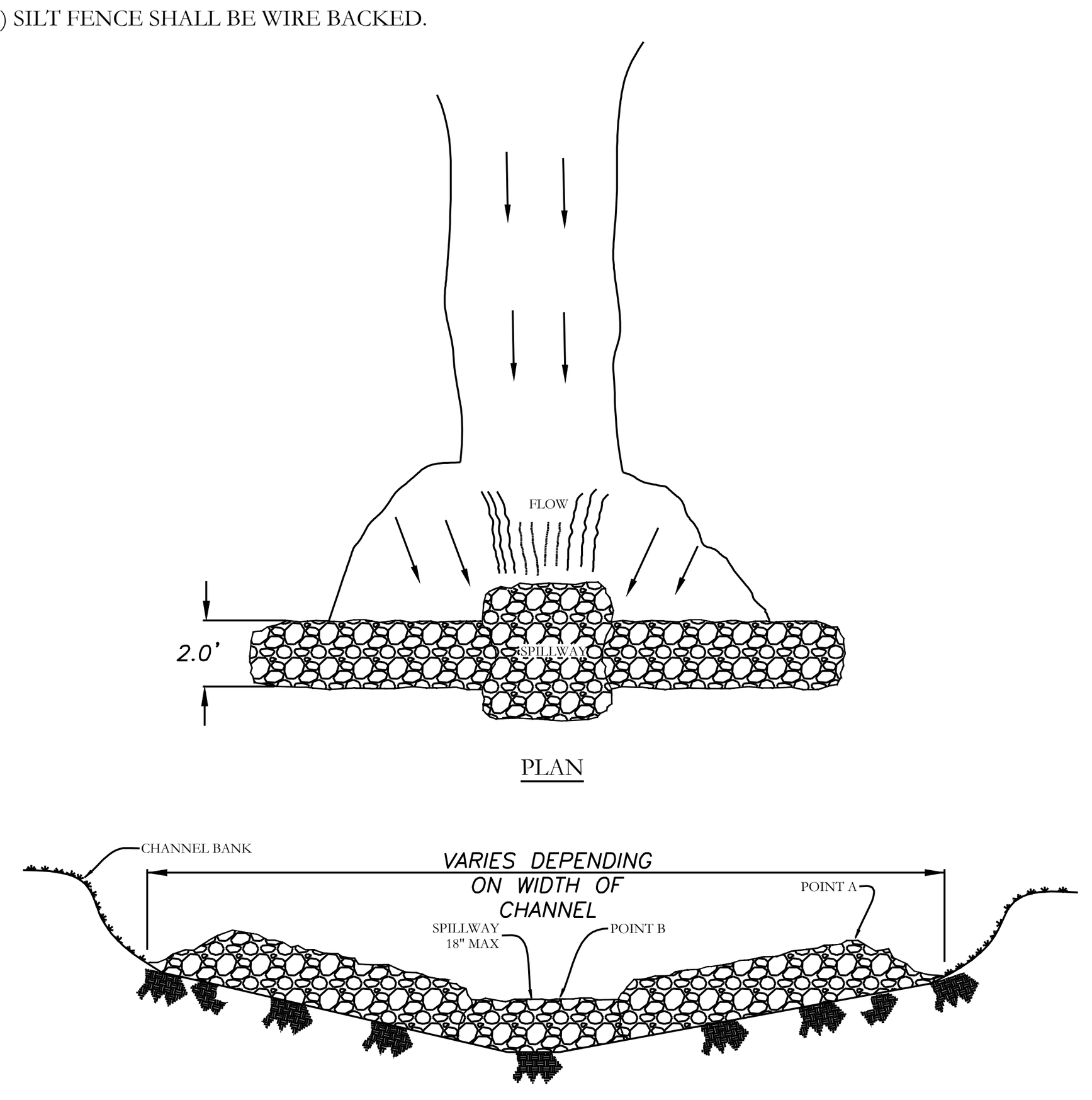
NOTE:
1.) INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.

2.) REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

3.) SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

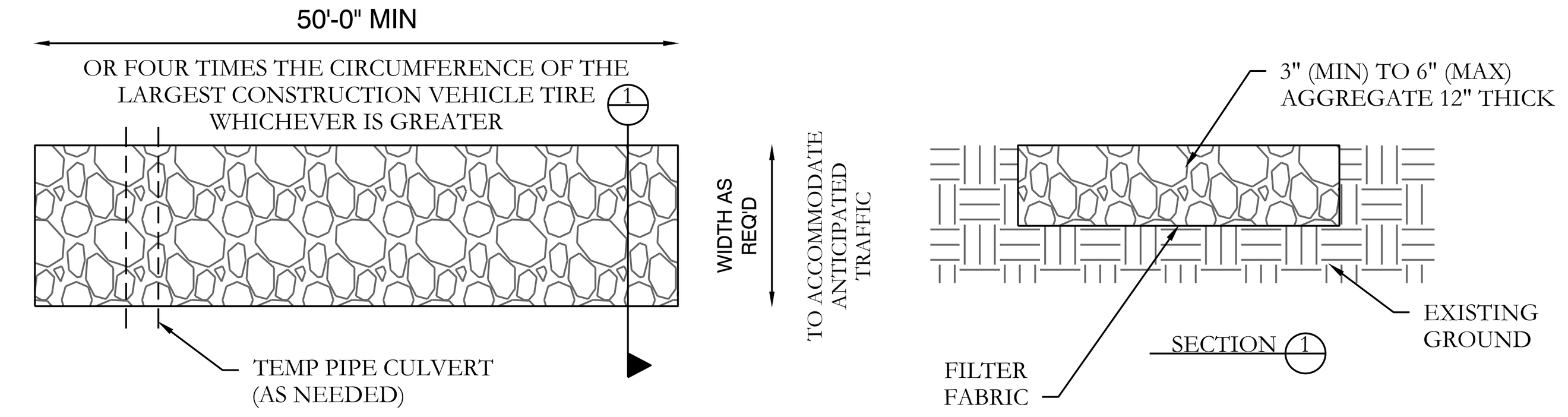
4.) SILT FENCE SHALL BE WIRE BACKED.

SILT FENCE

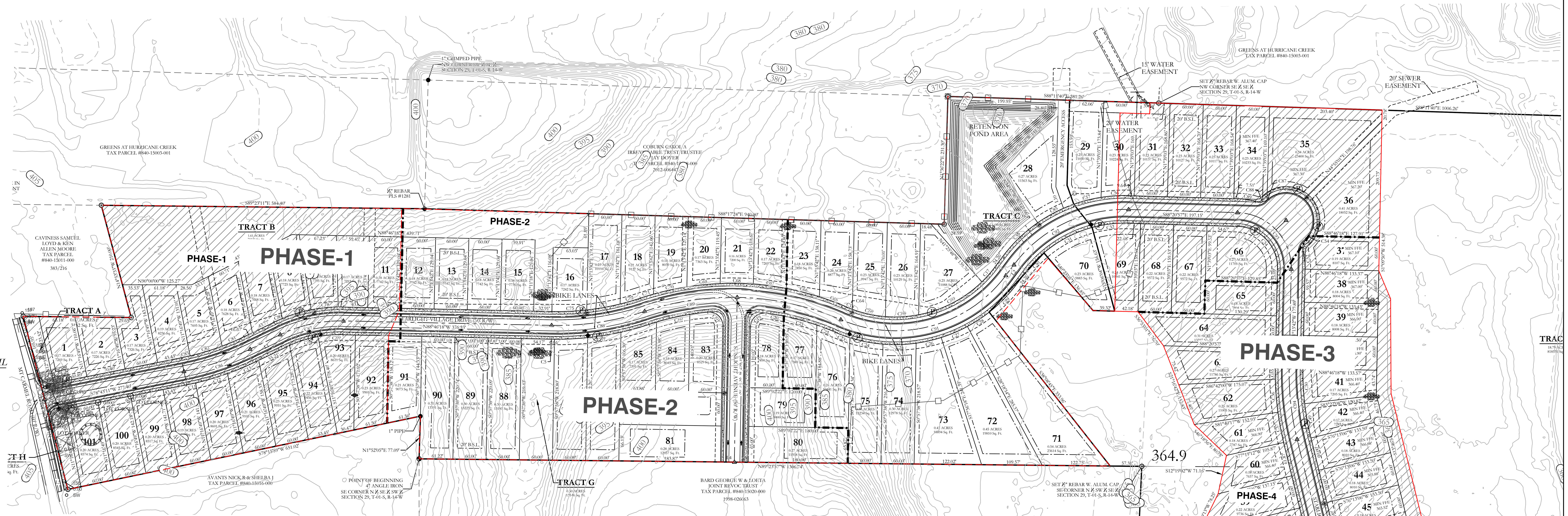
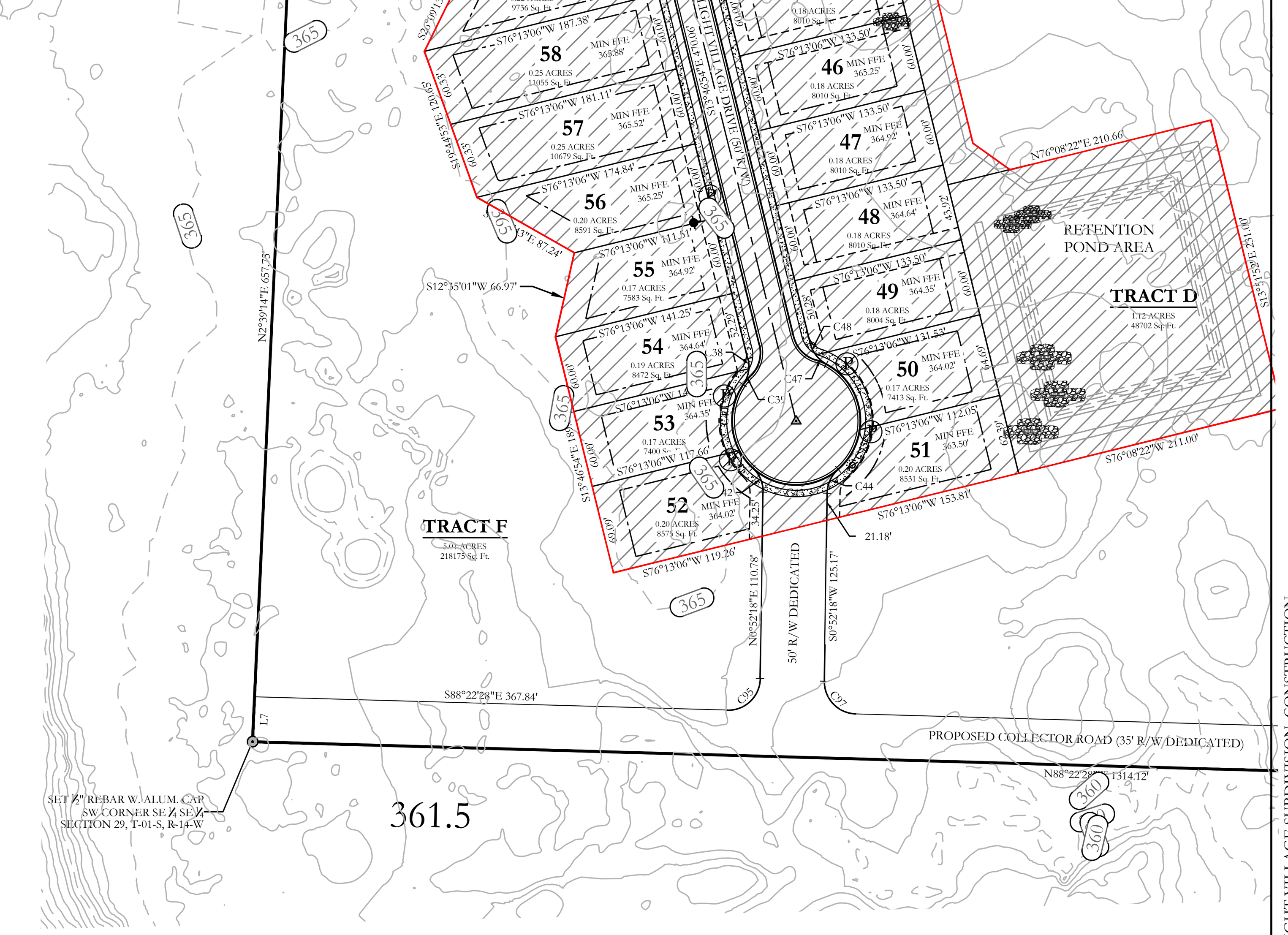


NOTES:
1.) POINT 'A' MUST BE HIGHER THAN POINT 'B' (SPILLWAY HEIGHT)
2.) PLACE RIP-RAP BARRIER PERPENDICULAR TO THE FLOW WITH TIGHT GROUPING. USE STRAW, ROCKS, OR FILTER FABRIC TO FILL ANY GAPS AND TAMP BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND THE DAM.
3.) SPILLWAY HEIGHT SHALL NOT EXEED 18"-24".
4.) INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROMPTLY.

RIP-RAP
CHECK DAM



STABILIZED CONSTRUCTION ENTRANCE
N.T.S

EROSION CONTROL NOTES

RETENTION POND AREAS ARE REQUIRED TO BE SOLID SOD STABILIZATION ONLY.

MAXIMUM SLOPE OF 3H:1V ON DETENTION POND LEVEES

CONTRACTOR MUST HAVE INLET PROTECTION MEASURES INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF DRAINAGE INLETS/STRUCTURES IS COMPLETE. SEDIMENT BARRIERS SHALL BE MAINTAINED THROUGHOUT AND INSPECTED THROUGHOUT CONSTRUCTION PROCESS UNTIL PROJECT IS COMPLETE

RIP RAP SEDIMENT BARRIERS SHALL BE USED AT ALL STORMWATER DISCHARGE POINTS SHOWN ON PLANS ASAP

CONTRACTOR SHOULD WORK WITH ENGINEER TO ESTABLISH EFFECTIVE AND EFFICIENT PLAN TO PREVENT SEDIMENT RUNOFF BY DETERMINING WHERE SILT FENCING OR OTHER TYPES OF CONTROLS ARE NECESSARY

SOME EROSION CONTROL MEASURES, SILT FENCING, OR CHECK DAMS MAY NOT BE NECESSARY DURING INITIAL ROW CLEARING BUT MAY BE NEEDED ONCE LOT CLEARING AND HOME BUILDING BEGINS

EXISTING VEGETATION WILL ONLY BE REMOVED INSIDE ROW AND WITHIN HOUSE FOOTPRINTS AS THEY ARE CONSTRUCTED. ADDITIONAL SILT FENCING WILL BE ADDED TO INDIVIDUAL LOTS AS HOME CONSTRUCTION TAKES PLACE.

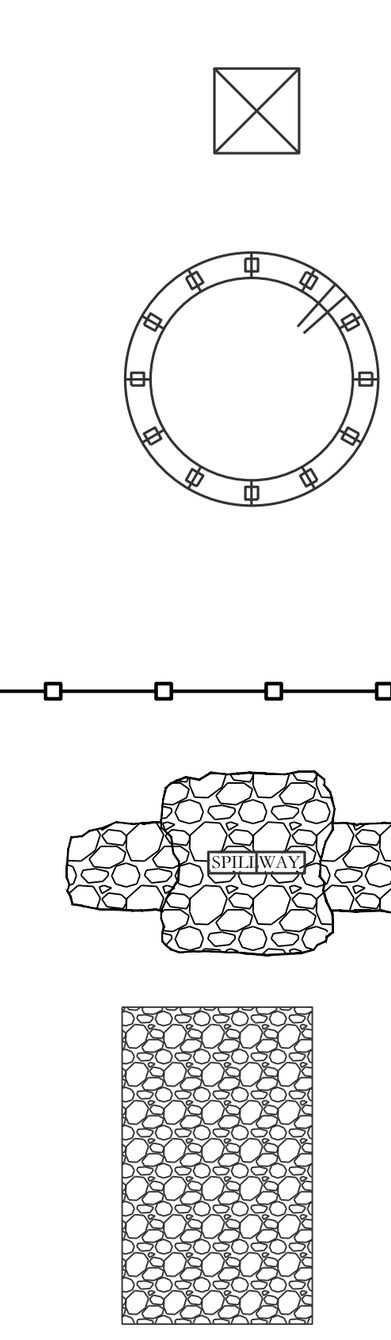
DEADLINES FOR STABILIZATION AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASES.
STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY CEASED.

STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED

BASIS OF BEARING:
GRID NORTH, ARKANSAS
COORDINATE SYSTEM, SOUTH ZONE BY
GPS OBSERVATION

60' 30' 0 60'

ERC LEGEND



SITE POSTING

CONC. WASHOUT DETENTION AREA

SILT FENCE

ROCK CHECK DAM

CONSTRUCTION ENTRANCE

CERTIFICATE OF AUTHORIZATION
HOPE CONSULTING, INC.
No. 1931
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 14048
WILLIAM W. McFADDEN

BASIS OF BEARING:
GRID NORTH, ARKANSAS
COORDINATE SYSTEM, SOUTH ZONE BY
GPS OBSERVATION

100' 50' 0 100'

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EROSION CONTROL PLAN
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