



US Army Corps
of Engineers®
Little Rock District

PUBLIC NOTICE

CORPS OF ENGINEERS

Application Number: SWL-2021-00187-1

Date: June 27, 2022

Comments Due: July 22, 2022

TO WHOM IT MAY CONCERN: Comments are invited on the work described below. Please see the Public Involvement section for details on submitting comments.

Point of Contact. If additional information is desired, please contact the regulator, Cynthia Blansett, telephone number: (501) 340-1370, mailing address: Little Rock District Corps of Engineers, Regulatory Division, PO Box 867, Little Rock, Arkansas 72203-0867, email address: Cynthia.W.Blansett@usace.army.mil

Project Information. Pursuant to Section 404 of the Clean Water Act (33 U.S. Code 1344), notice is hereby given that

**Brad Baldwin PE, GISP, CFM
City of Springdale
201 Spring Street
Springdale, Arkansas 72764**

has requested authorization for the placement of dredged and fill material in waters of the United States associated with construction of a 14-acre detention pond at the City of Springdale airport. The proposed project is located in Spring Creek, unnamed tributaries of Spring Creek and emergent wetlands, in section 31, T. 18 N., R. 29 W., Springdale, Washington County, Arkansas.

The project purpose is to construct an approximately 14-acre stormwater detention basin in an unnamed tributary of Spring Creek.

The project proposes to place dredged and fill material into three wetland features, totaling approximately 0.34 acres and approximately 1,536 linear feet of streams. The proposed activities include removal and grading of native material within the footprint of the stormwater detention basin, installing a concrete trickle channel, replacement of an existing outfall structure and installation of a riprap dissipation pad in Spring Creek, below the existing grade. The grading of the stormwater detention basin footprint will include impacts to two existing onsite drainage channels by dredging to lower the grade, then installing a concrete trickle channel. Following excavation/grading, the trickle channel will require discharge of approximately 69 cubic yards of material (crusher screening and concrete). The existing outfall structure along the north side of Spring Creek will be removed and replaced with a new outfall structure. A riprap channel protection dissipation pad will be placed in Spring Creek at the stormwater detention basin outfall. The dissipation pad will be depressed to match the approximate existing channel grade. Installation of the dissipation pad will involve removal of existing stream bed material, then filling with approximately 130 cubic yards of riprap armoring material.

The applicant evaluated six alternatives, including the preferred alternative. These alternatives included no build (Alternative B), placement of a detention pond within Spring Creek itself (Alternative C), creation of a stormwater detention basin east of the airport runway (creating greater flooding hazards) (Alternative D), construction of numerous stormwater detention basins upstream within the watershed (Alternative E) and review of other site alternatives (Alternative F). The preferred alternative results in avoidance of more natural drainage features as compared to the man-made features.

The proposed project will involve dredging, filling and inundation of WET-A, WET-B, WET-C, DD-1 and DD-2, as well as the armoring of a small portion of INT-1 (identified in attached maps/drawings). The onsite wetland features are maintained (mowed) on a regular basis and the functions and values are proposed as minimal. The impacts to DD-1 and DD-2 will convert these features from intermittent drainages to concrete trickle channels that will be periodically inundated and serve as stormwater detention. Impacts to INT-1 (Spring Creek) will be limited to armoring of a short reach of the channel. Approximately 1,536 linear feet of intermittent stream and 0.34 acres of emergent wetlands will be impacted by the proposed project.

Impacts resulting directly from the proposed detention project will require the purchase of approximately 3,599 stream credits (2011 Little Rock Stream Method) and 2.77 wetland credits (2002 Charleston Method) from an approved mitigation bank.

The location and general plan for the proposed work are shown on the enclosed sheets.

Water Quality Certification. The Clean Water Act (CWA) Section 401 Certification Rule (Certification Rule, 40 Code of Federal Regulations (CFR) Part 121), effective September 11, 2020, requires certification for any license or permit that authorizes an activity that may result in a discharge. The scope of a CWA Section 401 certification is limited to assuring that a discharge from a Federally licensed or permitted activity will comply with water quality requirements. The applicant is responsible for requesting certification and providing required information to the certifying agency. The applicant submitted a certification request to the Water Quality Planning Branch of the Arkansas Department of Energy and Environment, Division of Environmental Quality (certifying authority) with copy to the Corps on May 10, 2022. In accordance with Certification Rule Part 121.6, the Corps has determined the reasonable period of time for the certifying agency to act upon the certification request is 60 days. In accordance with Certification Rule Part 121.12, the Corps will notify the U.S. Environmental Protection Agency Administrator when it has received the subject certification. The Administrator is responsible for determining if the discharge may affect water quality in a neighboring jurisdiction. The DA permit may not be issued pending the conclusion of the Administrator's determination of effects on neighboring jurisdictions.

Cultural Resources. A Corps staff archeologist will evaluate the proposal for compliance with Section 106 of the National Historic Preservation Act, including identification and evaluation of cultural resources potentially impacted by the proposal's implementation in waters of the United States. The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area.

Endangered Species. Our preliminary determination is that the proposed activity will not affect listed Endangered Species or their critical habitat. A copy of this notice is being furnished to the U.S. Fish and Wildlife Service and appropriate state agencies and constitutes a request to those agencies for information on whether any listed or proposed-to-be-listed endangered or threatened species may be present in the area which would be affected by the proposed activity.

Floodplain. We are providing copies of this notice to appropriate floodplain officials in accordance with 44 Code of Federal Regulations (CFR) Part 60 (Floodplain Management Regulations Criteria for Land Management and Use) and Executive Order 11988 on Floodplain Management.

Section 404(b)(1) Guidelines. The evaluation of activities to be authorized under this permit, which involves the discharge of dredged or fill material will include application of guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act. These guidelines are contained in 40 Code of Federal CFR 230.

Public Involvement. Any interested party is invited to submit to the above-listed POC written comments or objections relative to the proposed work on or before **July 22, 2022**. Substantive comments, both favorable and unfavorable, will be accepted and made a part of the record and will receive full consideration in determining whether this work would be in the public interest. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request in writing within the comment period specified in this notice that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. The District Engineer will determine if the issues raised are substantial and whether a hearing is needed for making a decision.

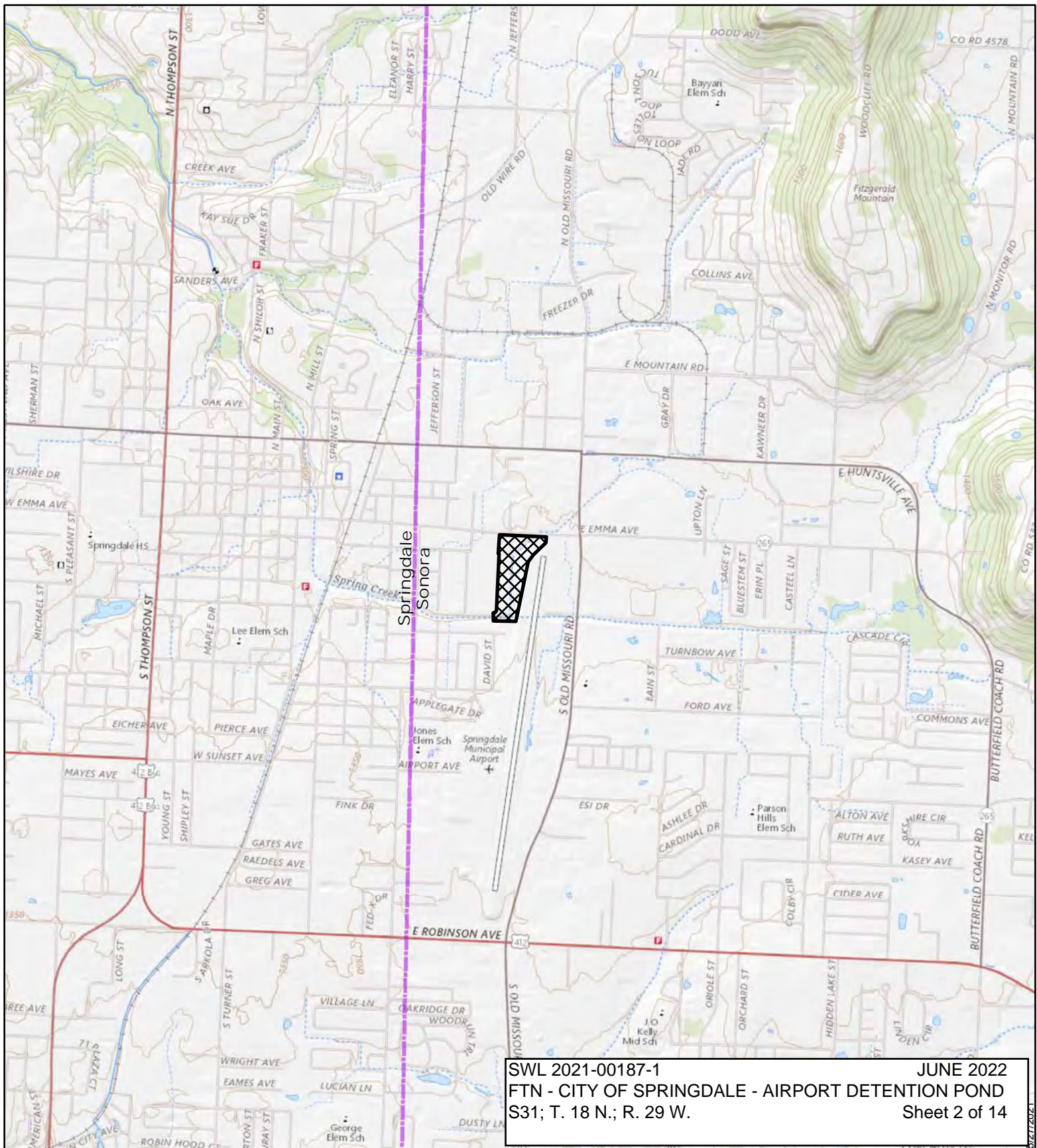
NOTE: The mailing list for this Public Notice is arranged by state and county(s) where the project is located, and includes any addressees who have asked to receive copies of all public notices. Please discard notices that are not of interest to you. If you have no need for any of these notices, please advise us so that your name can be removed from the mailing list.

Enclosures

Approximate Coordinates of Project Center

Latitude: **36.18094** Longitude: **-94.12027**

UTM Zone: **15N** North: **4004599** East: **399262**



Springdale Airport - Spring Creek Detention Pond

2,000
 Feet

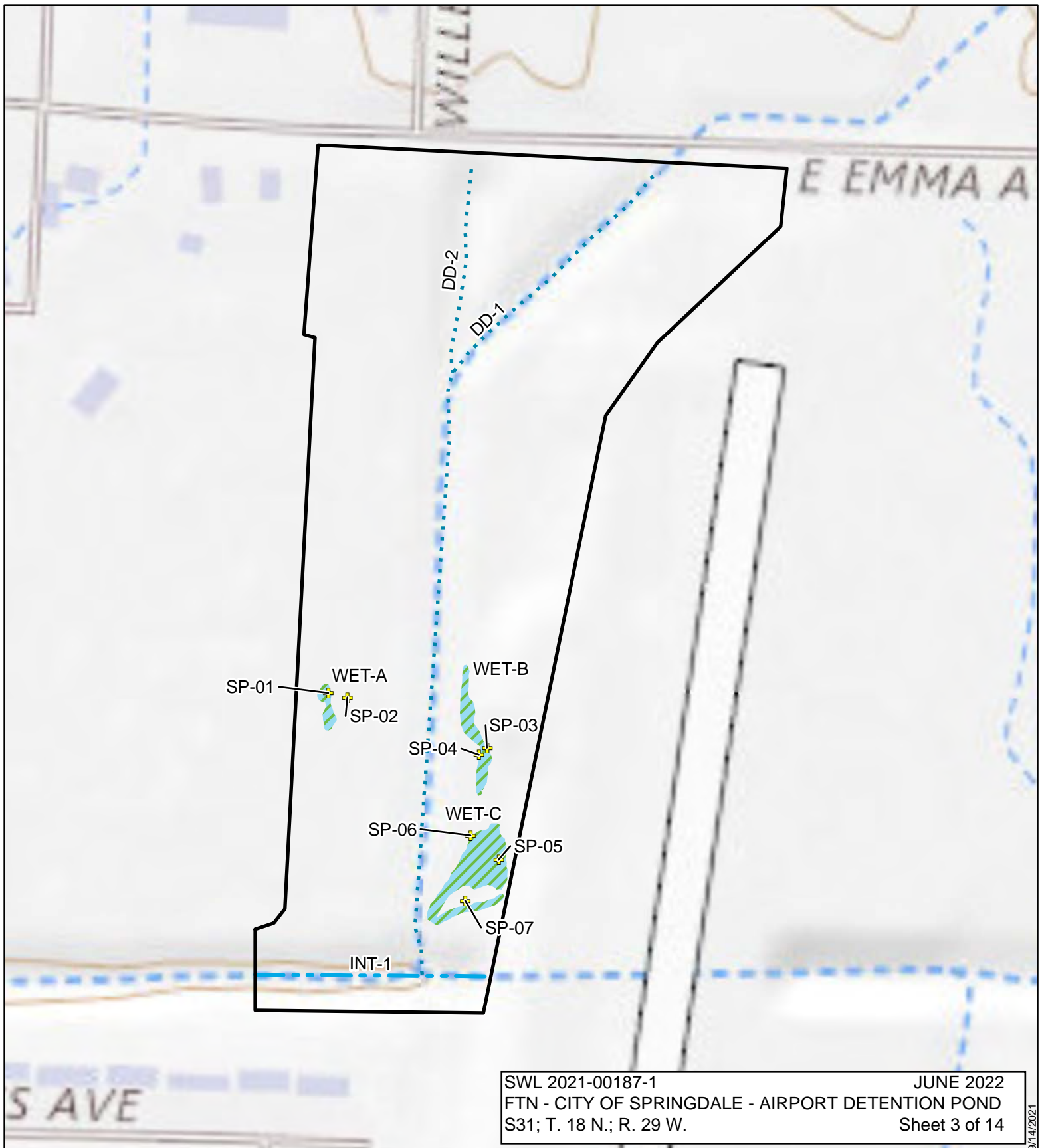
 Project Area



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Background: USGS TNM Tops basemap

Figure 2. Map showing overview of project area overlaid on the USGS *The National Map* Topo basemap for quadrangles Sonora and Springdale, AR (7.5-minute series).



Springdale Airport - Spring Creek Detention Pond

200
Feet

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- Project Area
- Project Wetlands
- Sample Points
- Drainage Ditch
- Intermittent Channels



Background: USGS TNM Topo basemap

Figure 3. Map showing project area details overlaid on the USGS *The National Map* Topo basemap for quadrangle Sonora, AR (7.5-minute series).



Springdale Airport - Spring Creek Detention Pond

200
Feet

Project Area
 Project Wetlands

Sample Points
 Drainage Ditch
 Intermittent Channels



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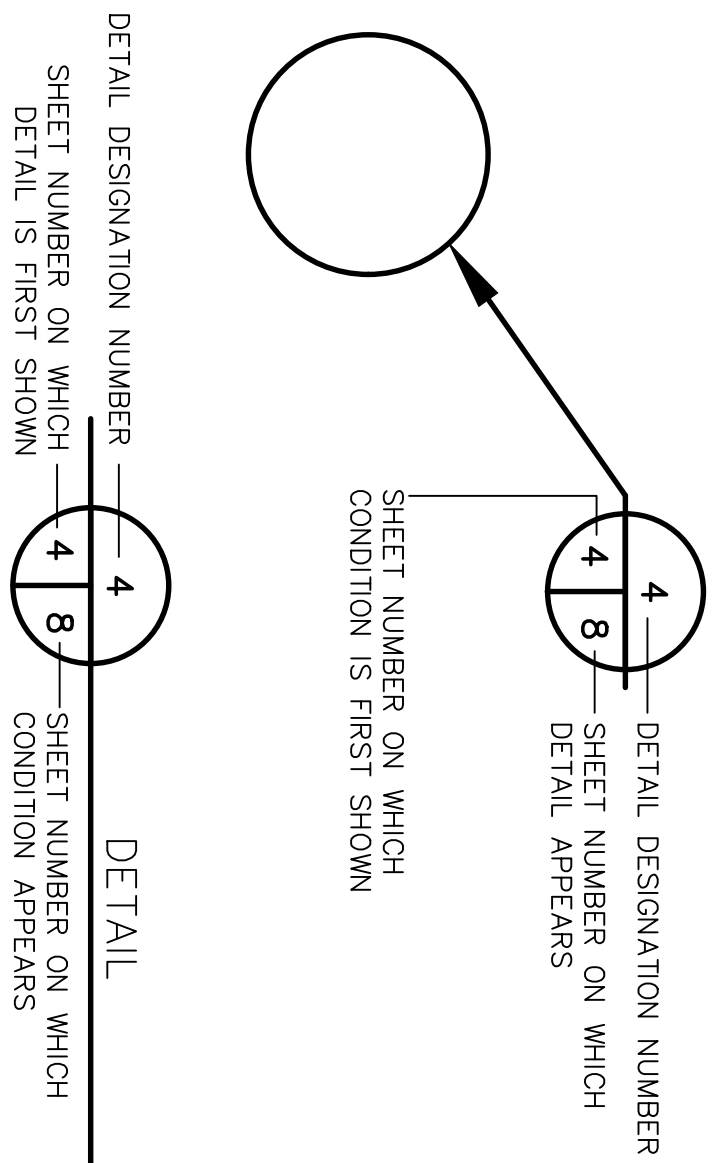
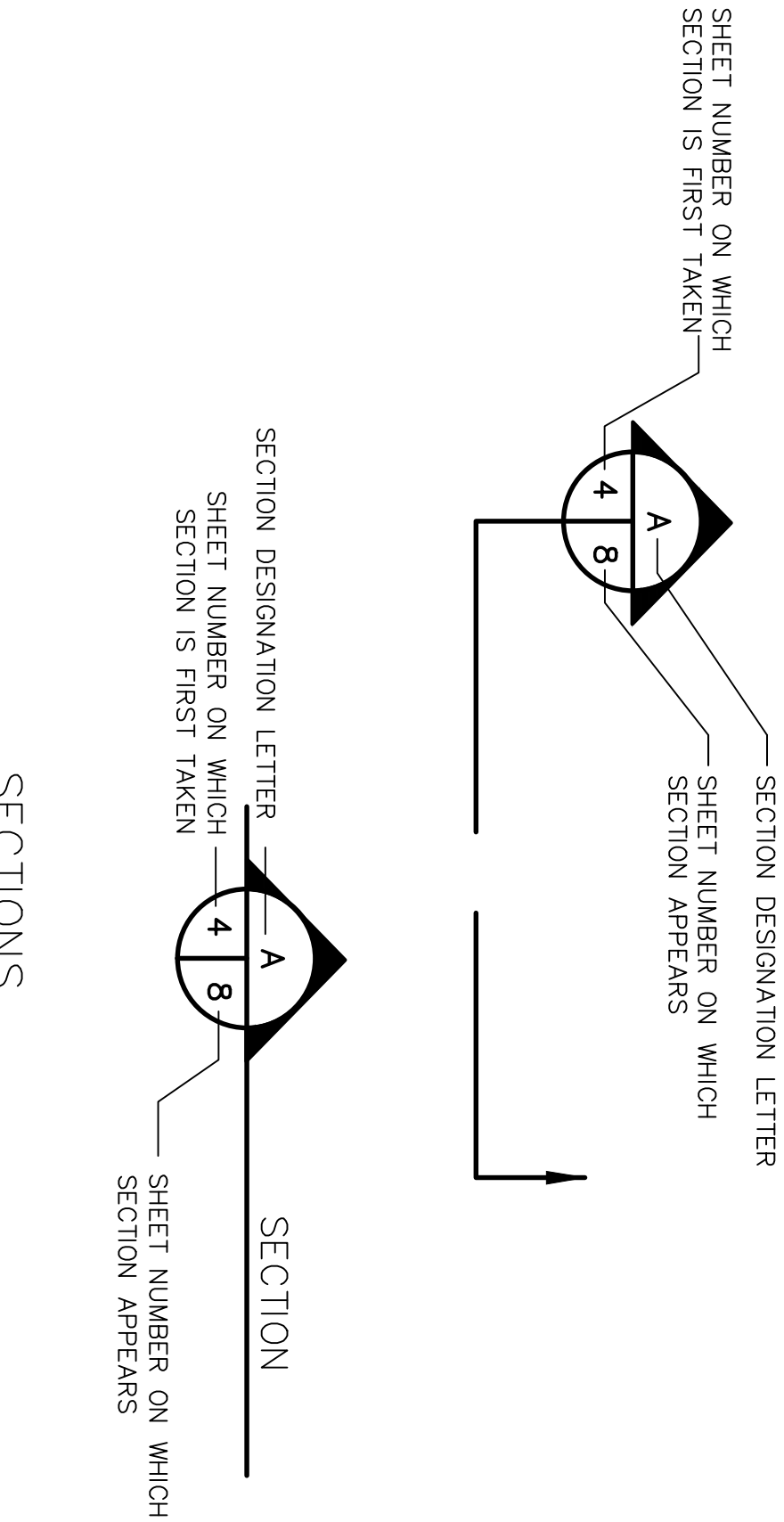
Background: Arkansas GIS Office

Figure 4. Map showing project area details overlaid on 2017 Arkansas Digital Orthophotography Program imagery.

| ABBREVIATIONS & SYMBOLS | |
|---|--|
| ABBREVIATIONS | SYMBOLS |
| AHTD APPROX ℄ CMP CONC CONST CP CPP CULV DIA DIP D/S E EL FES FL FT HDPE HORIZ, H HMA ID INV JB LF MAX MH MIN N N.T.S. O.C. O.C., E.W. OSHA POB PC PE POE PI PNT PT PVC R ROBC RCP ROW SS SDMH SNAL SSMH STA TELE. PED. TEMP TOW TYP UGE U/S VERT, V | APPROXIMATE CENTERLINE CORRUGATED METAL PIPE CONCRETE CONSTRUCTION CONTROL POINT CORRUGATED PLASTIC PIPE CULVERT DIAMETER DUCTILE IRON PIPE DOWNSTREAM EASTING ELEVATION FLARED END SECTION FLOW LINE FEET HIGH DENSITY POLYETHYLENE HORIZONTAL HOT MIX ASPHALT INSIDE DIAMETER INVERT JUNCTION BOX LINEAR FEET MAXIMUM MANHOLE MINIMUM NORTHING NOT TO SCALE ON CENTER ON CENTER EACH WAY OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION POINT OF BEGINNING POINT OF CURVATURE PLAN END POINT OF ENDING POINT OF INTERSECTION POINT POINT OF TANGENCY POLYVINYL CHLORIDE RADIUS REINFORCED CONCRETE BOX CULVERT REINFORCED CONCRETE PIPE RIGHT OF WAY SANITARY SEWER STORM DRAIN MANHOLE SET NAIL SANITARY SEWER MANHOLE STATION TELEPHONE PEDESTAL TEMPORARY TOP OF WALL TYPICAL UNDERGROUND ELECTRIC UPSTREAM VERTICAL |

GENERAL NOTES

- SURVEY DATA IS BASED UPON ARKANSAS STATE PLANE, NORTH ZONE, GRID COORDINATES, U.S. SURVEY FEET.
- ELEVATIONS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988.
- CONTRACTOR SHALL ESTABLISH ON-SITE CONTROL POINTS AND MEASUREMENT STATION FOR CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION LAYOUT.
- THE BASIC TOPOGRAPHIC INFORMATION SHOWN ON THESE DRAWINGS WAS COMPILED BY DEVELOPMENT CONSULTANTS INCORPORATED, APRIL 26, 2019.
- CALL ARKANSAS ONE CALL @ 811 PRIOR TO EXCAVATING.
- EXISTING UTILITY LOCATIONS WERE PROVIDED BY RAMSEY SURVEYING, INC. AND ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. UTILITY SERVICES MUST BE MAINTAINED DURING AND AFTER CONSTRUCTION.
- COORDINATE ALL MODIFICATIONS WITH THE UTILITY COMPANIES OR OWNER AND PROVIDE RECORD DRAWINGS OF ALL UTILITY MODIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING FACILITIES AND FEATURES ARE SHOWN LIGHT-LINED AND/OR SCREENED. NEW FACILITIES AND FEATURES ARE SHOWN SOLID AND HEAVY-LINED.
- ALL PROPERTY LINES SHOWN ARE APPROXIMATE AND ARE NOT BASED ON A BOUNDARY SURVEY. SHOWN FOR GENERAL INFORMATION ONLY.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT CONSTRUCTION DRAWINGS AND CITY OF SPRINGDALE STANDARD DETAILS AND TECHNICAL SPECIFICATIONS.
- COORDINATE ALL CONSTRUCTION ACTIVITY WITH CITY OF SPRINGDALE – MUNICIPAL AIRPORT MANAGER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL AREAS DISTURBED BY CONSTRUCTION AND RELATED ACTIVITIES. DAMAGED STRUCTURES AND UTILITIES SUCH AS CURBS, DRIVEWAYS, SIDEWALKS, STREET LIGHTS, SIGNS, LANDSCAPING, IRRIGATION SYSTEMS, YARD DRAINS, FENCES, ETC. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AND TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
- CITY SHALL OBTAIN ALL REQUIRED ENVIRONMENTAL PERMITS FOR THE WORK SHOWN ON THESE DRAWINGS UNLESS OTHERWISE NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN (PROVIDED BY OWNER) FOR SEDIMENTATION AND EROSION CONTROL AT NO ADDITIONAL COST TO OWNER.
- USE STORMWATER BEST MANAGEMENT PRACTICES TO CONTROL STORMWATER THROUGHOUT CONSTRUCTION AREA. CONTRACTOR SHALL CONSTRUCT ALL STORMWATER BMP MEASURES AND ALL EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF THE WORK OR AS SOON AS PRACTICAL FOR MEASURES WHICH ARE ASSOCIATED WITH FINISHED GRADING.
- EROSION CONTROL FACILITIES REQUIRED BY THESE PLANS AND/OR THE FACILITY PERMIT ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL FACILITIES AS NECESSARY.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING EROSION AND SEDIMENT CONTROL BMPs TO PREVENT SEDIMENT FROM REACHING PAVED AREAS, STORM DRAINAGE SYSTEMS, DRAINAGE COURSES AND ADJACENT PROPERTIES. IN THE EVENT THE PREVENTION MEASURES BECOME INEFFECTIVE, THE CONTRACTOR SHALL REMOVE ANY DEBRIS, SILT, OR MUD AND RESTORE TO ORIGINAL OR BETTER CONDITION
- SURFACE WATER CONTROL MUST BE MAINTAINED DURING CONSTRUCTION TO MINIMIZE THE FLOW OF STORMWATER INTO EXCAVATIONS.
- ALL DISTURBED AREAS SHALL BE GRADED TO ENSURE POSITIVE DRAINAGE. FERTILIZE, SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION OUTSIDE OF PRIVATE PROPERTIES. ALL PRIVATE PROPERTIES' DISTURBED AREAS SHALL BE SOODED.
- ALL RIPRAP SHALL BE UNDERLAD WITH 8 OZ NON-WOVEN GEOTEXTILE FILTER FABRIC, OR APPROVED EQUAL, SEE DETAILS.
- STRIP 6" (MIN) TOPSOIL AND STOCKPILE FOR REUSE. COORDINATE WITH OWNER FOR STOCKPILING LOCATIONS. INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
- ALL EXCESS CONCRETE, ASPHALT, STONE, AND EARTHEN MATERIALS SHALL BE DISPOSED OFF-SITE AT AN APPROPRIATE DISPOSAL FACILITIES AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL PROPERTY CORNERS AND REFERENCE POINTS. ANY PROPERTY CORNERS AND/OR REFERENCE POINTS DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESET BY A LAND SURVEYOR LICENSED IN THE STATE OF ARKANSAS, AT THE CONTRACTOR'S SOLE EXPENSE.
- ALL WORK SHALL BE CONFINED TO CONSTRUCTION LIMITS AS SHOWN ON THE DRAWINGS OR AS OTHERWISE APPROVED BY OWNER.



SECTIONS

DETAILS

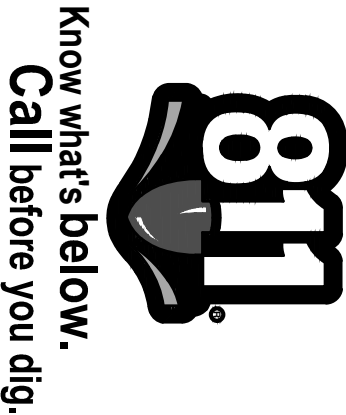
SWL 2021-00187-1
FTN - CITY OF SPRINGDALE - AIRPORT DETENTION POND
S31; T. 18 N.; R. 29 W.

JUNE 2022
Sheet 5 of 14



SPRINGDALE MUNICIPAL AIRPORT
REGIONAL DETENTION
SPRINGDALE, AR

AIRPORT DETENTION POND
GENERAL INFORMATION



SWL-2021-00187-1
FTN-City of Springdale - Airport Detention Pond
Section 31, T. 18 N., R. 29 W. SHEET 5 of 14

| | |
|-------------------------|-------------------------------|
| DRAWN BY: <i>gym</i> | FILE NAME: INDWG |
| APPROVED: <i>KJS</i> | PROJECT NO. 04495-1596-002 |
| SCALE: AS SHOWN | DATE: 04/19/21 |

SHEET NO. 1 of 10

Certification
I, Allen Jay Young, Arkansas Professional Surveyor (PS 1441) hereby certify that a Topographic Survey was performed on the Property shown hereon by a D.C.I. Field Crew under my supervision for FTN Associates, Ltd. for the Spring Creek Detention Design, and this drawing is an accurate representation of the Survey results. This Topographic Survey was performed in accordance with the NSPS Section E Model Standards for Topographic Surveys, and meets or exceeds the vertical and horizontal positional accuracy requirements thereof.
It is further certified that this survey was performed and data was collected in the horizontal datum of NAD83 (2011) Arkansas State Plane, North Zone Coordinates in feet, per GPS observation. The contour interval is 1 foot and the Vertical Datum is NAVD88 and is tied to NGS Monument H37 A (PID GG0955) located on site.

Allen Jay Young
Arkansas Registered Professional
Land Surveyor No. 1441

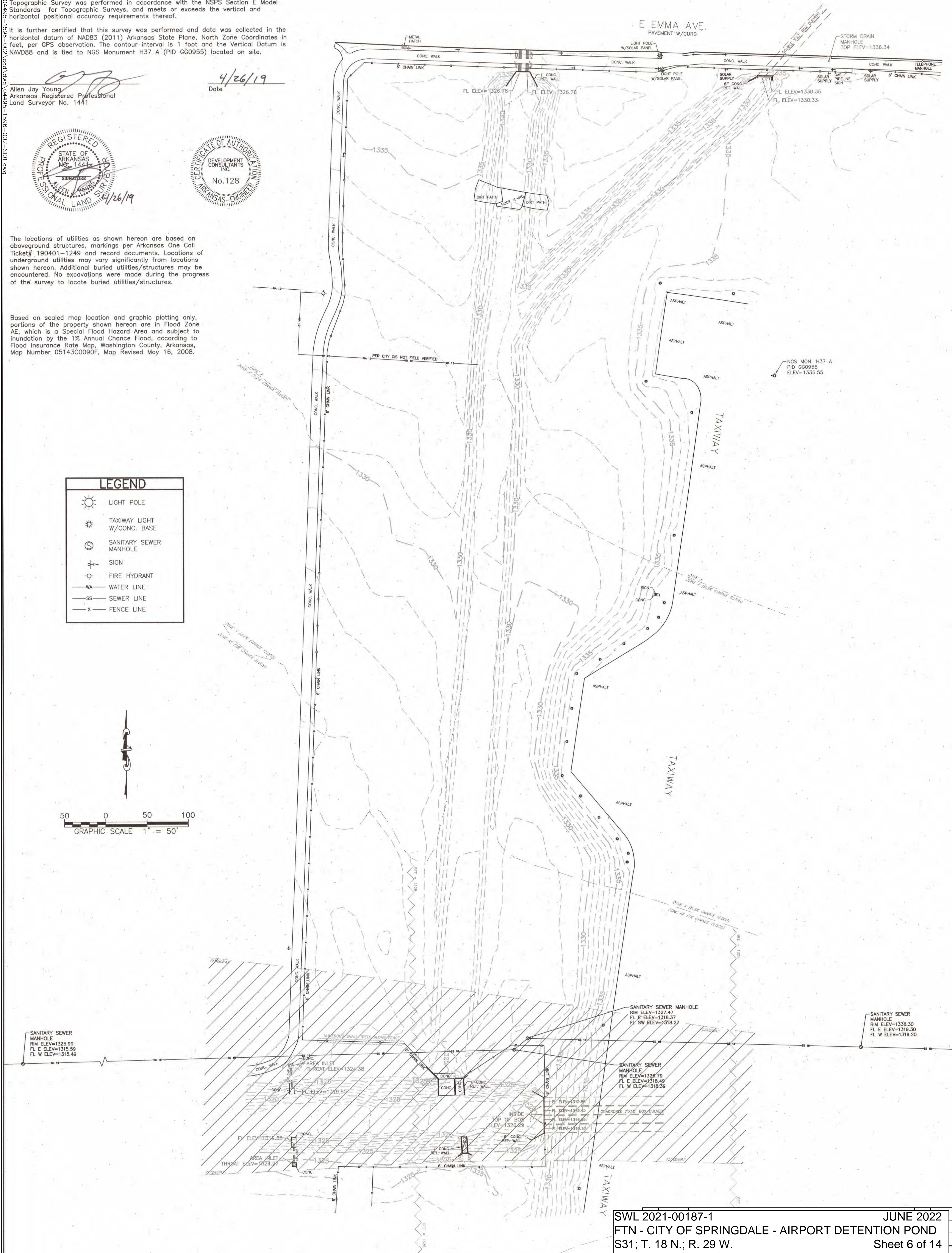
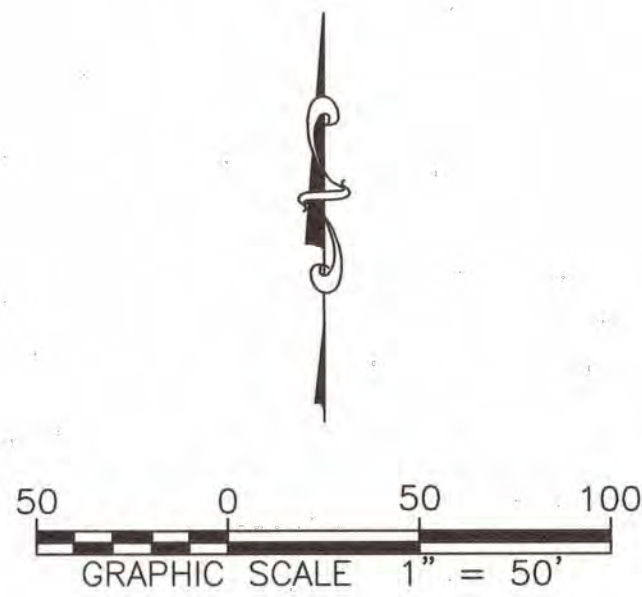
4/26/19
Date



The locations of utilities as shown hereon are based on aboveground structures, markings per Arkansas One Call Ticket# 190401-1249 and record documents. Locations of underground utilities may vary significantly from locations shown hereon. Additional buried utilities/structures may be encountered. No excavations were made during the progress of the survey to locate buried utilities/structures.

Based on scaled map location and graphic plotting only, portions of the property shown hereon are in Flood Zone AE, which is a Special Flood Hazard Area and subject to inundation by the 1% Annual Chance Flood, according to Flood Insurance Rate Map, Washington County, Arkansas, Map Number 05143C0090F, Map Revised May 16, 2008.

| LEGEND | |
|--------|-------------------------------|
| | LIGHT POLE |
| | TAXIWAY LIGHT W/CONC. BASE |
| | SANITARY SEWER MANHOLE |
| | SIGN |
| | FIRE HYDRANT |
| | WA—WATER LINE |
| | SS—SEWER LINE |
| | X—FENCE LINE |



SWL 2021-00187-1
FTN - CITY OF SPRINGDALE - AIRPORT DETENTION POND
S31; T. 18 N.; R. 29 W.
JUNE 2022
Sheet 6 of 14

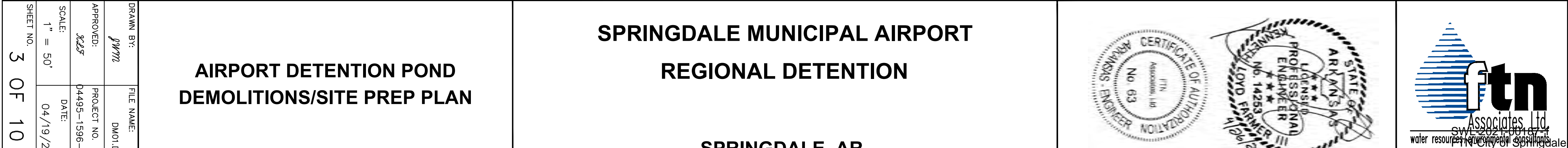
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| SHEET NO. 2 OF 10 | |

EXISTING SITE SURVEY

SPRINGDALE MUNICIPAL AIRPORT
REGIONAL DETENTION

SPRINGDALE, AR

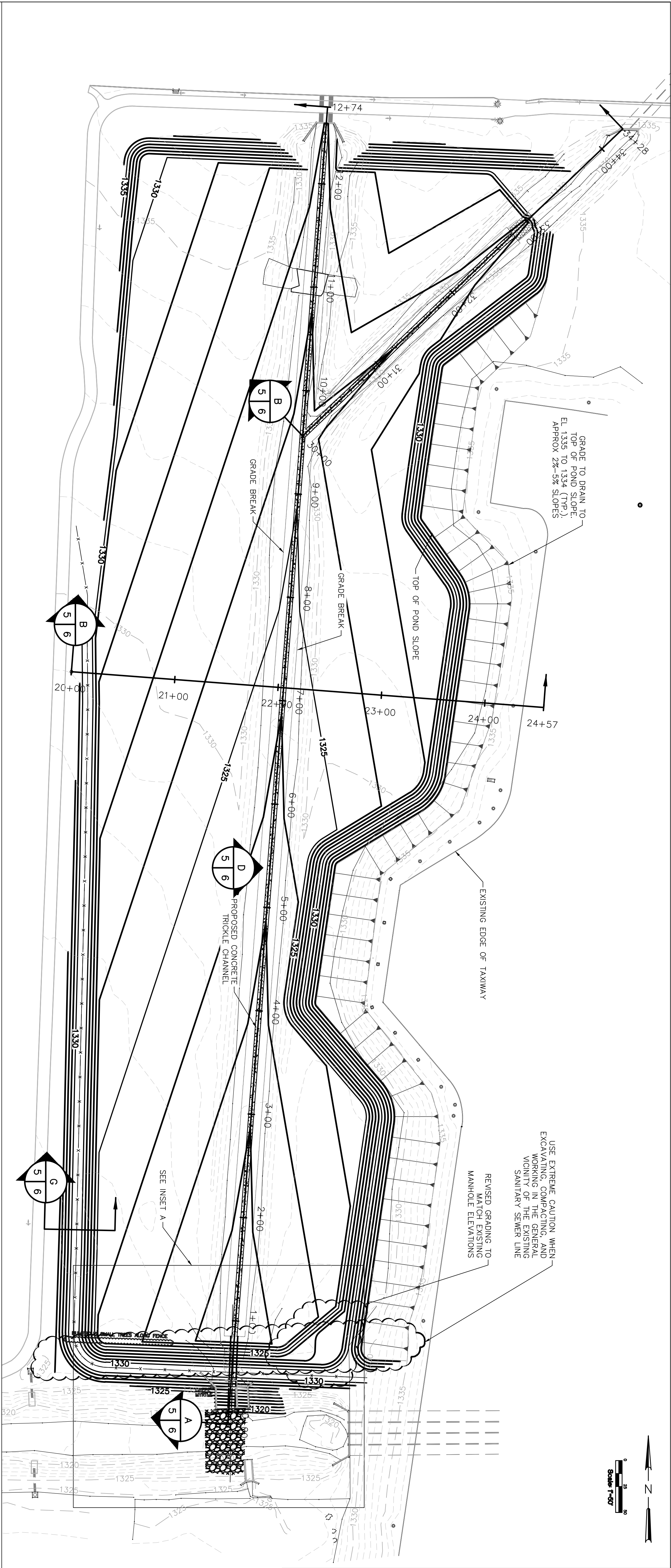




**SPRINGDALE MUNICIPAL AIRPORT
REGIONAL DETENTION

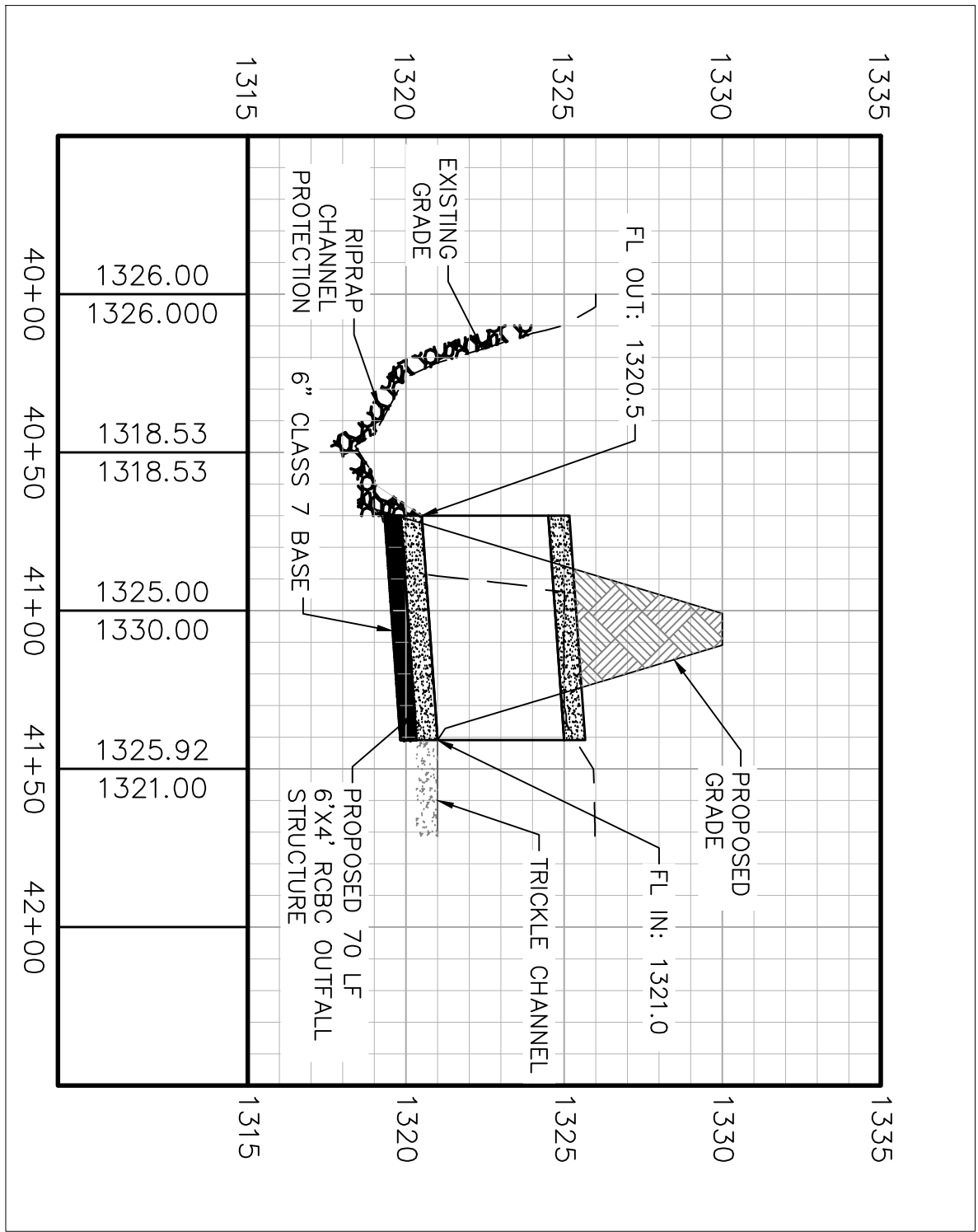
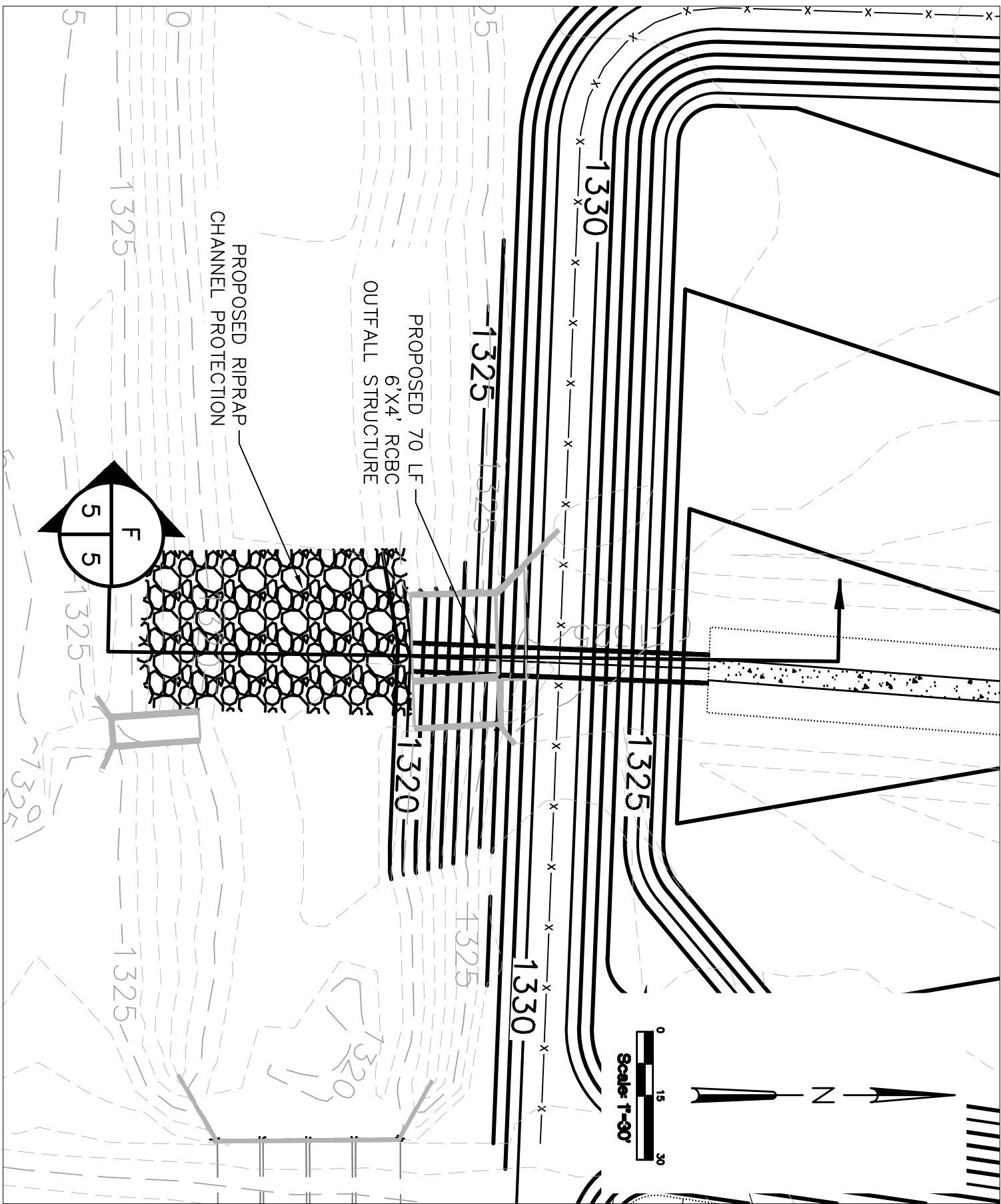
SPRINGDALE, AR**





SWL 2021-00187-1
FTN - CITY OF SPRINGDALE - AIRPORT DETENTION POND
S31; T. 18 N.; R. 29 W.

JUNE 2022
Sheet 9 of 14



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SWL 2021-00187-1
FTN-City of Springdale - Airport Detention Pond
Section 31, T. 18 N., R. 29 W., SHEET 9 of 14

MAY 2022

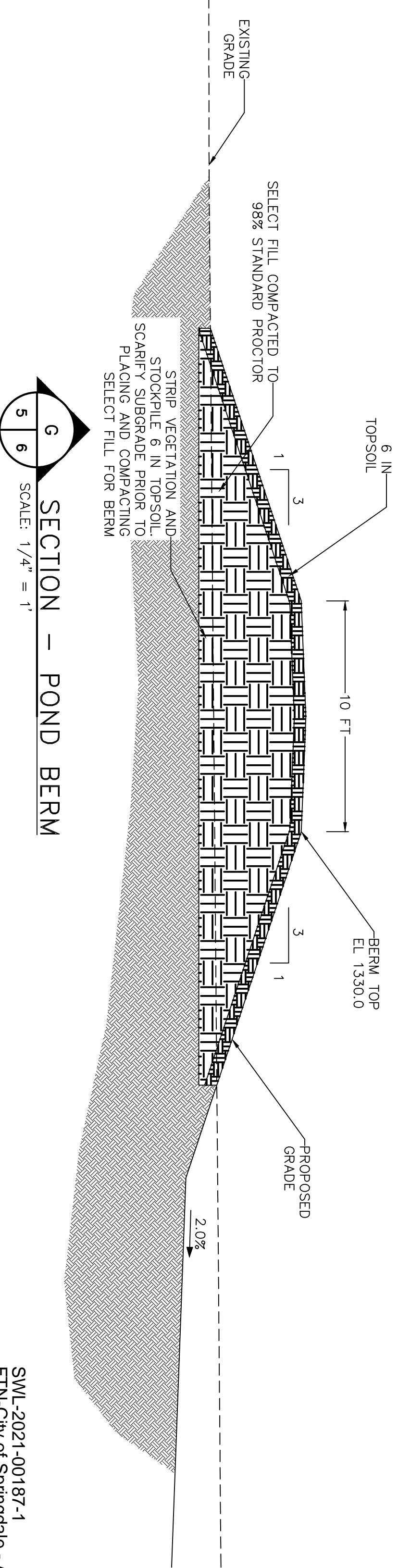
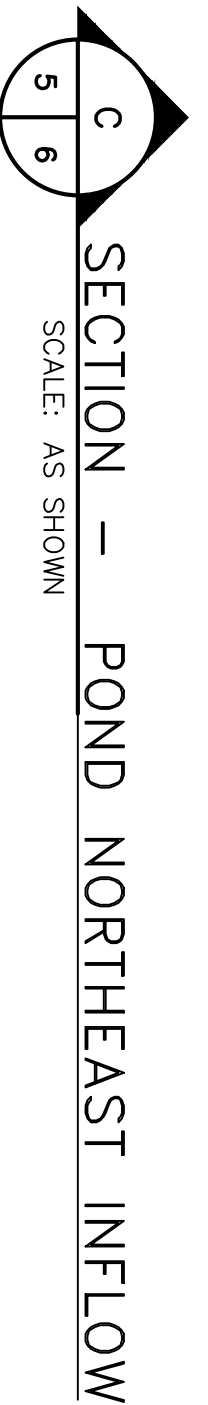
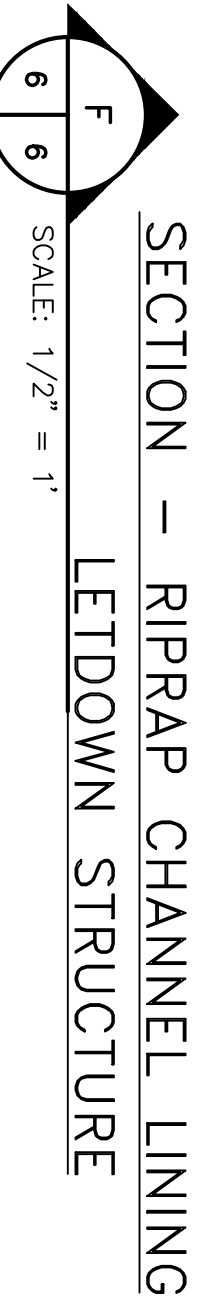
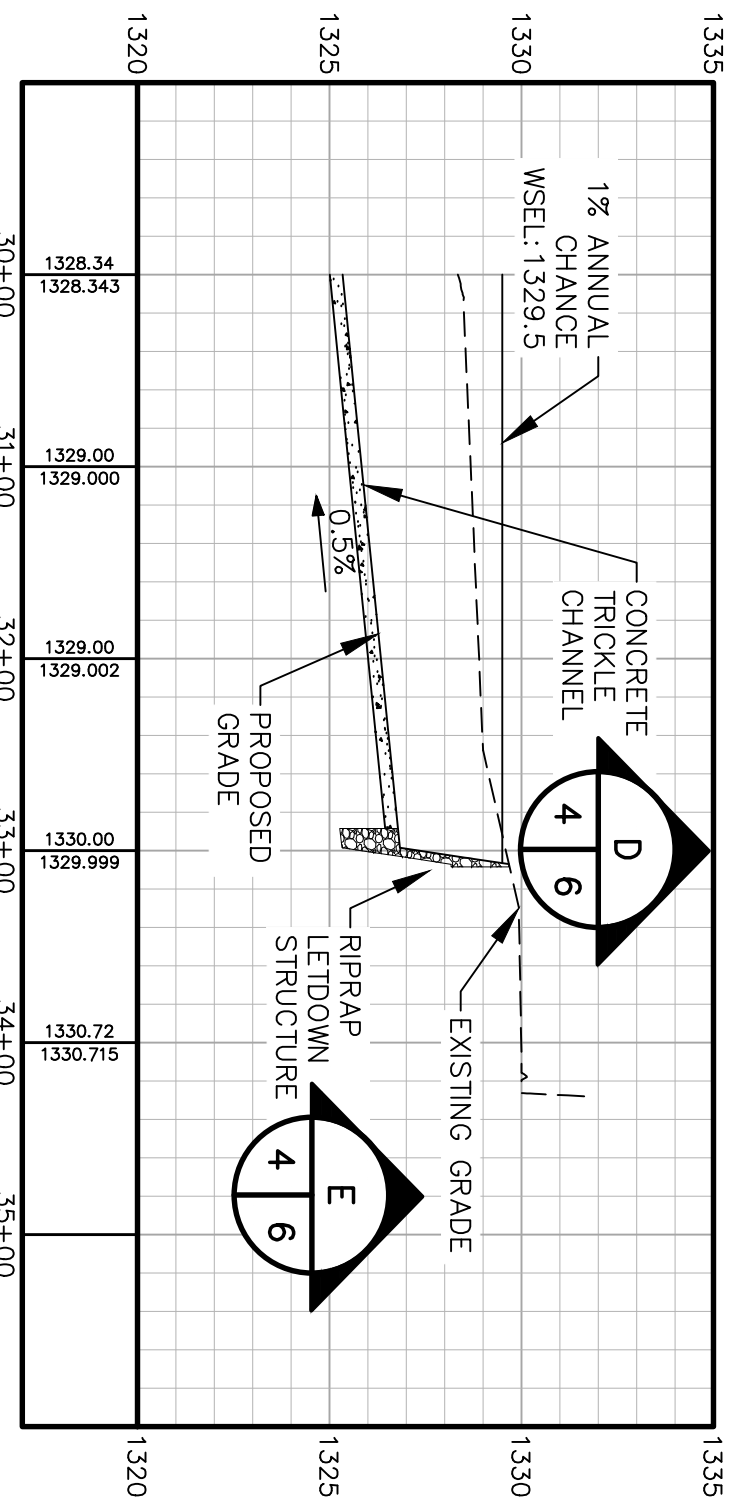
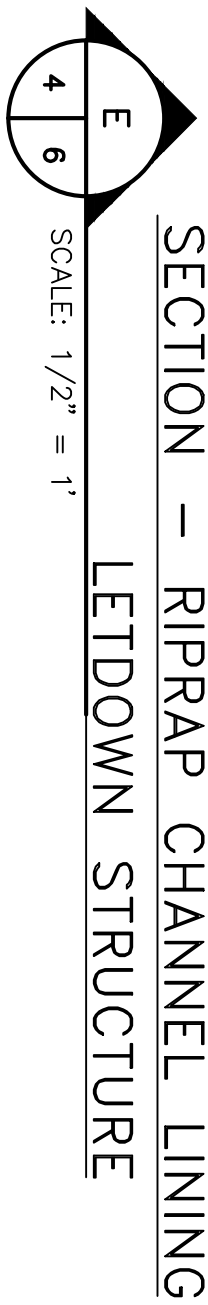
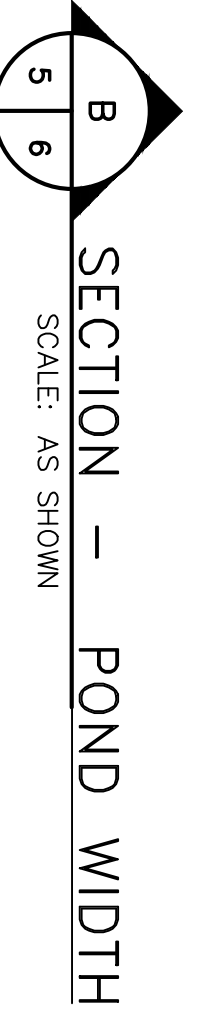
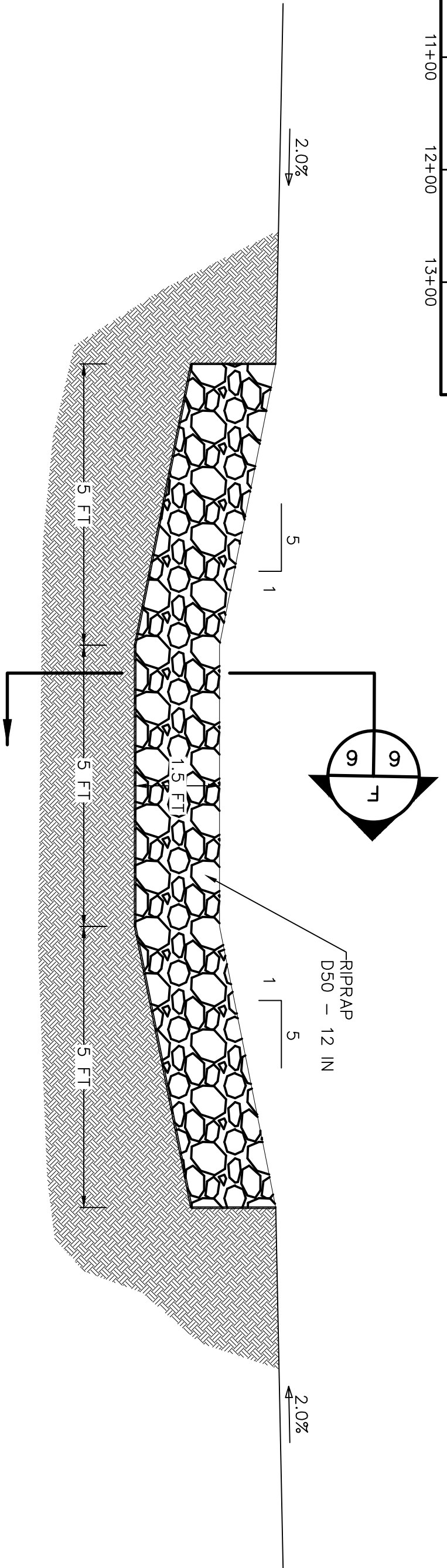
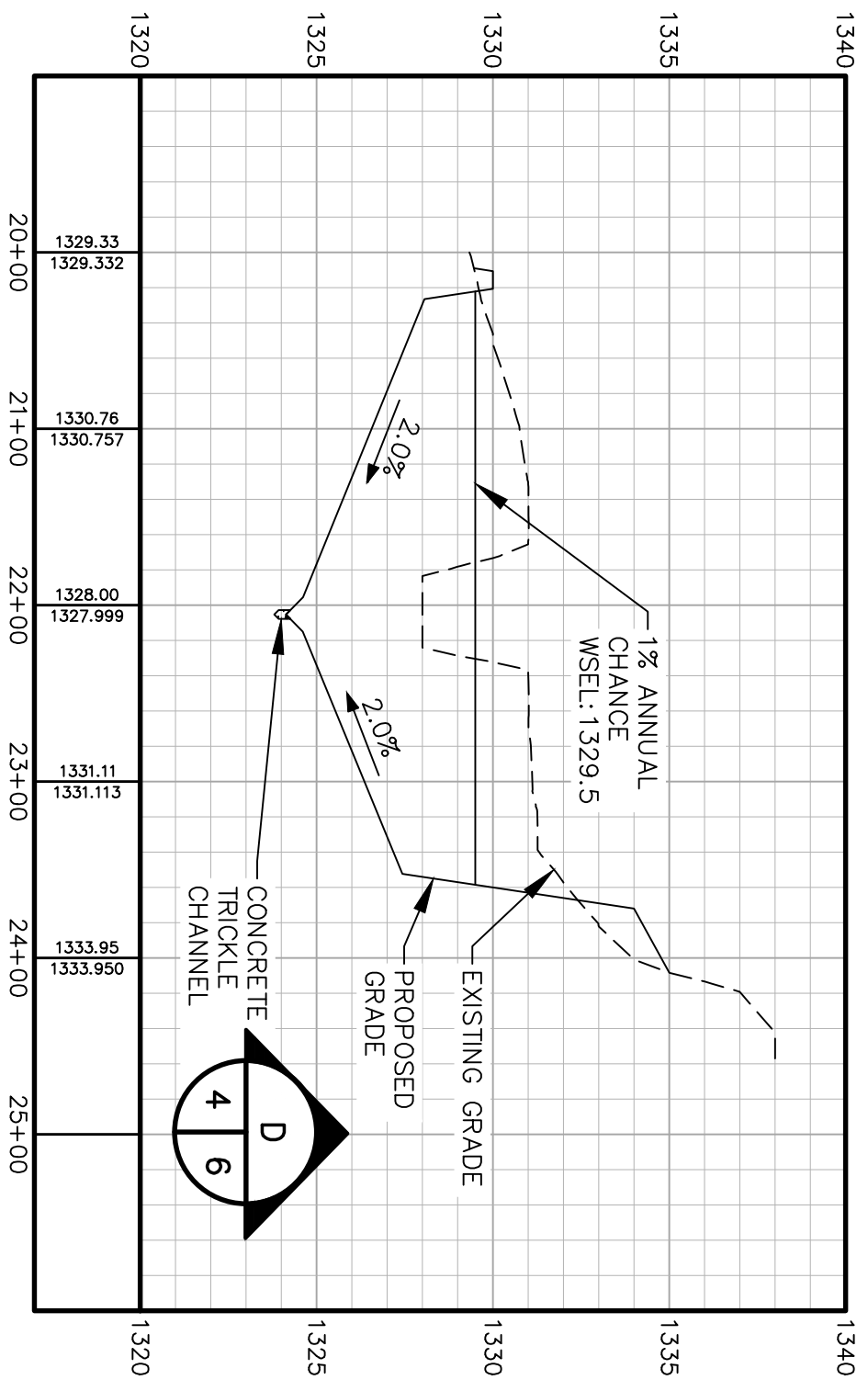
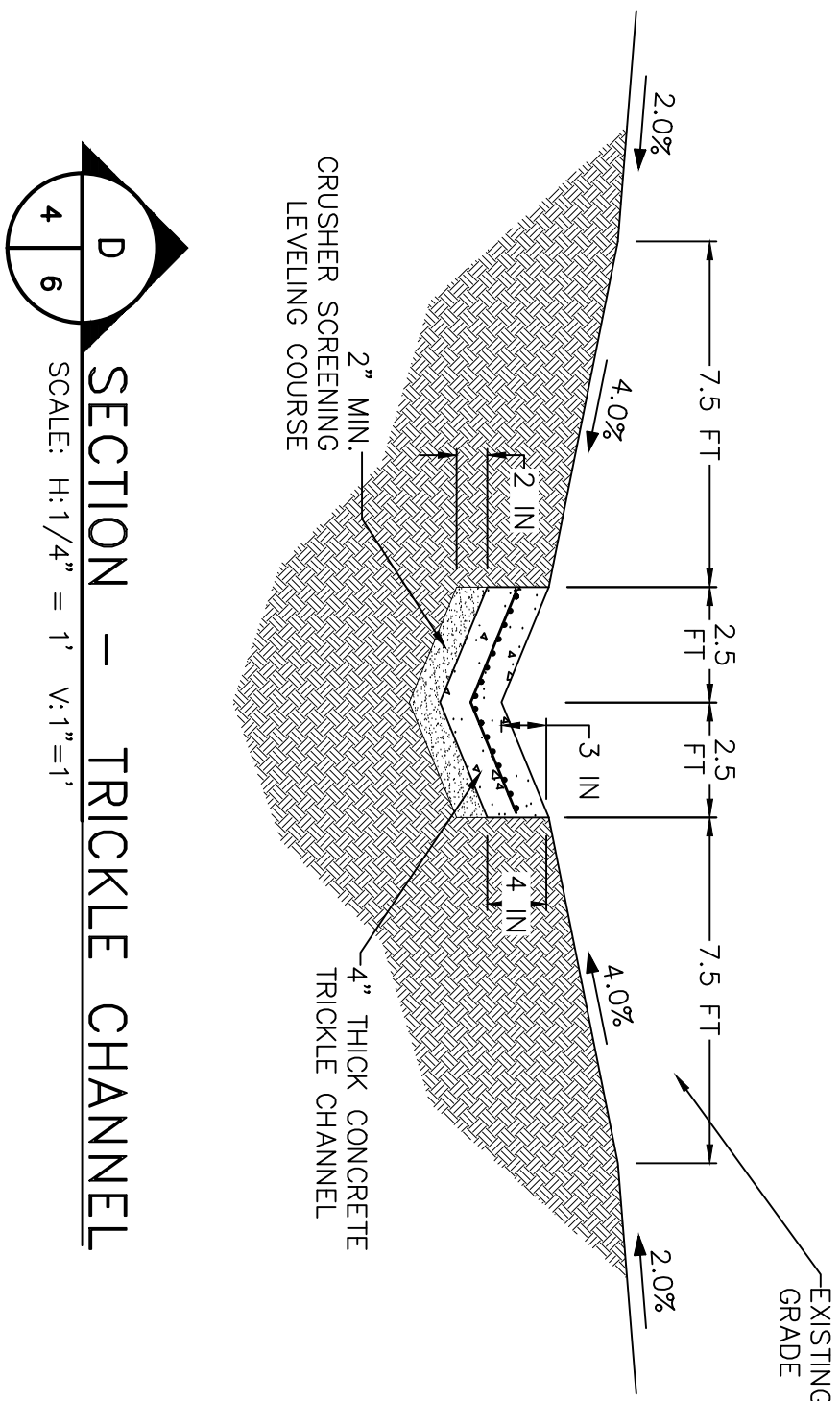
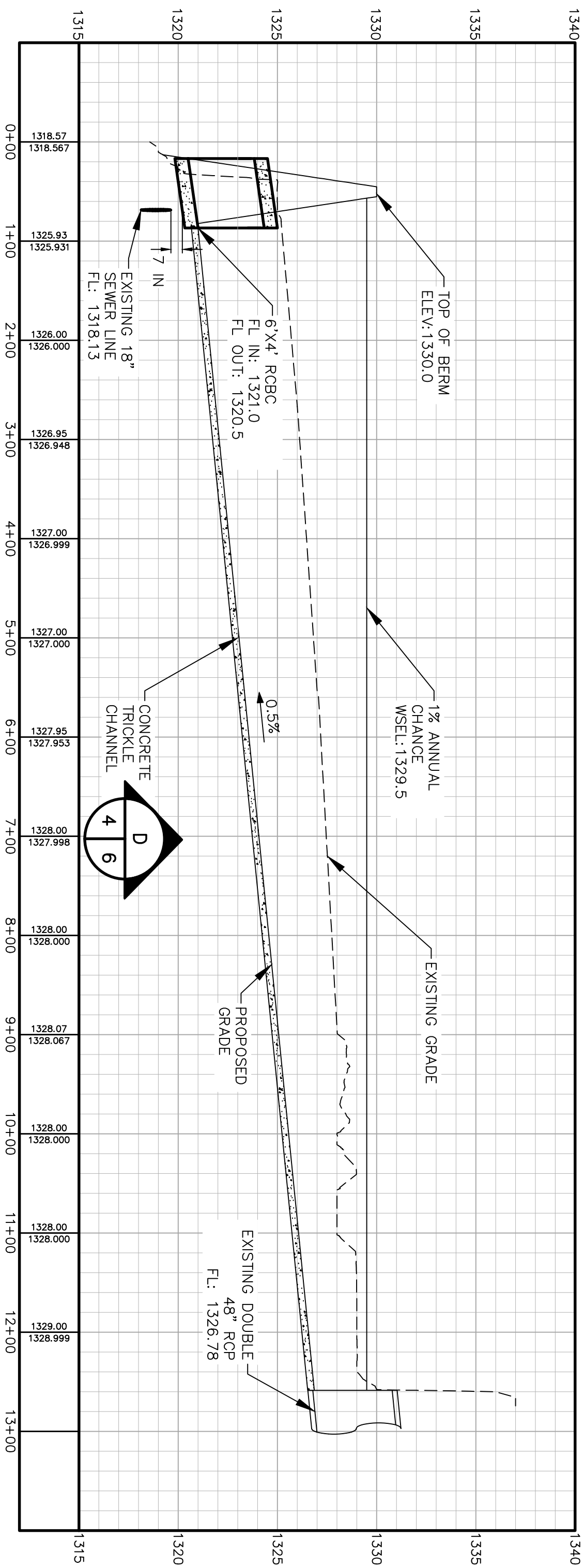
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| <i>KJS</i> | 04495-1596-002 |
| SCALE: | DATE: |
| AS SHOWN | 04/19/21 |
| SHEET NO. | 5 OF 10 |

AIRPORT DETENTION POND
GRADING PLAN

SPRINGDALE MUNICIPAL AIRPORT
REGIONAL DETENTION

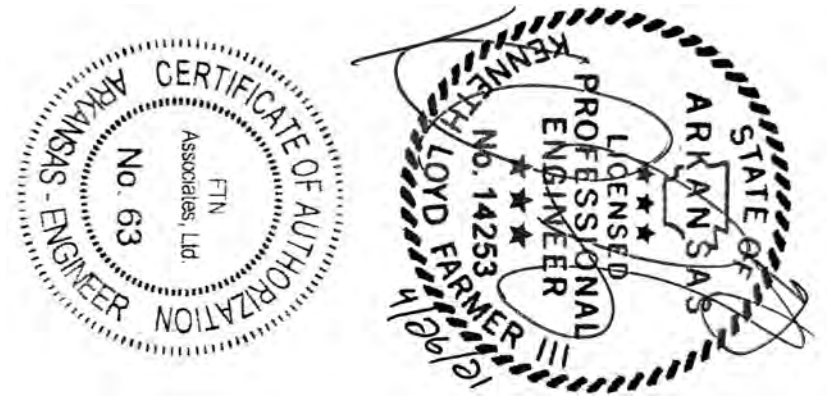
SPRINGDALE, AR





SWL 2021-00187-1
FTN - CITY OF SPRINGDALE - AIRPORT DETENTION POND
S31; T. 18 N.; R. 29 W.

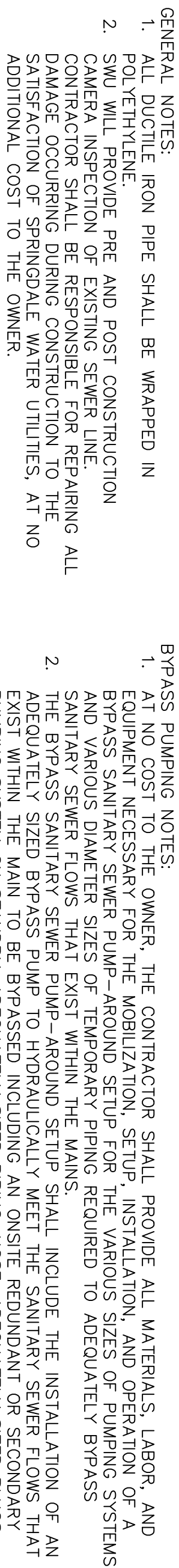
JUNE 2022
Sheet 10 of 14



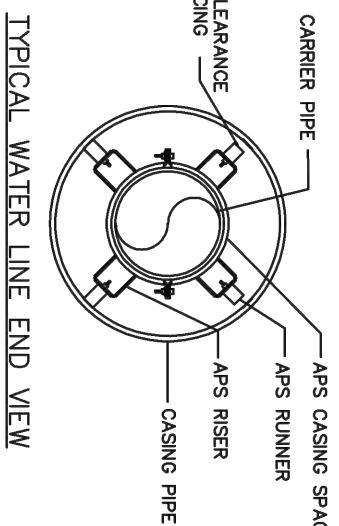
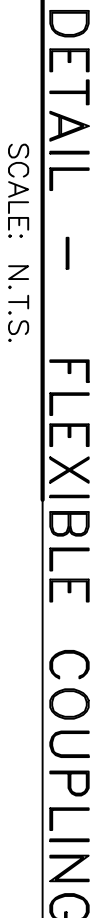
SPRINGDALE MUNICIPAL AIRPORT
REGIONAL DETENTION
SPRINGDALE, AR

AIRPORT DETENTION POND
DETAILS

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| DRAWN BY: | FILE NAME: |
| JMM | DD01.DWG |
| APPROVED: | PROJECT NO. |
| KJS | 04495-1596-002 |
| SCALE: | DATE: |
| AS SHOWN | 04/19/21 |
| SHEET NO. | 6 OF 10 |



NOTE: SEE STANDARD DETAIL M-1,
"TRACER WIRE CONNECTION PORT" FOR
TRACER WIRE PORT SPACING



| | | | |
|----|-------|-------|----|
| 8 | 3.05 | 13.31 | 19 |
| 10 | 13.20 | 15.62 | 20 |
| 12 | 13.20 | 17.88 | 20 |
| 14 | 15.30 | 20.25 | 24 |
| 16 | 17.40 | 22.50 | 24 |
| 18 | 19.50 | 24.75 | 30 |
| 20 | 21.60 | 27.00 | 30 |

- ALL ENCASEMENT PIPE SHALL BE NEW AND HAVE A MINIMUM WALL THICKNESS OF 0.25 INCHES

8. ALL D.I. CARRIER PIPE MUST HAVE FIELD LOCK GASKETS INSTALLED WITHIN THE CASINO PIPE.



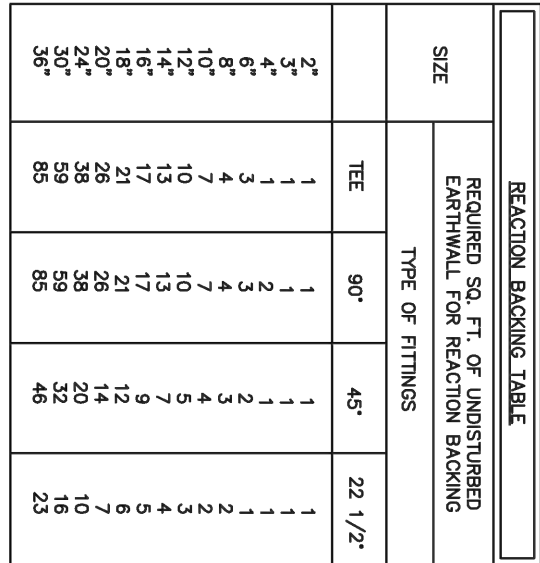
The seal is circular with a double-lined border. The outer ring contains the text "STATE OF ARKANSAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by three stars on each side. The inner circle contains the text "LICENSED" at the top, "KENNETH D. LORD" in the center, "No. 14253" below the name, and "F.N. Associates, Ltd." at the bottom. The seal is stamped in black ink on a white background.



SPRINGDALE, AR

| | |
|------------|------------|
| DRAWN BY: | FILE NAME: |
| <i>PSM</i> | SS01 |

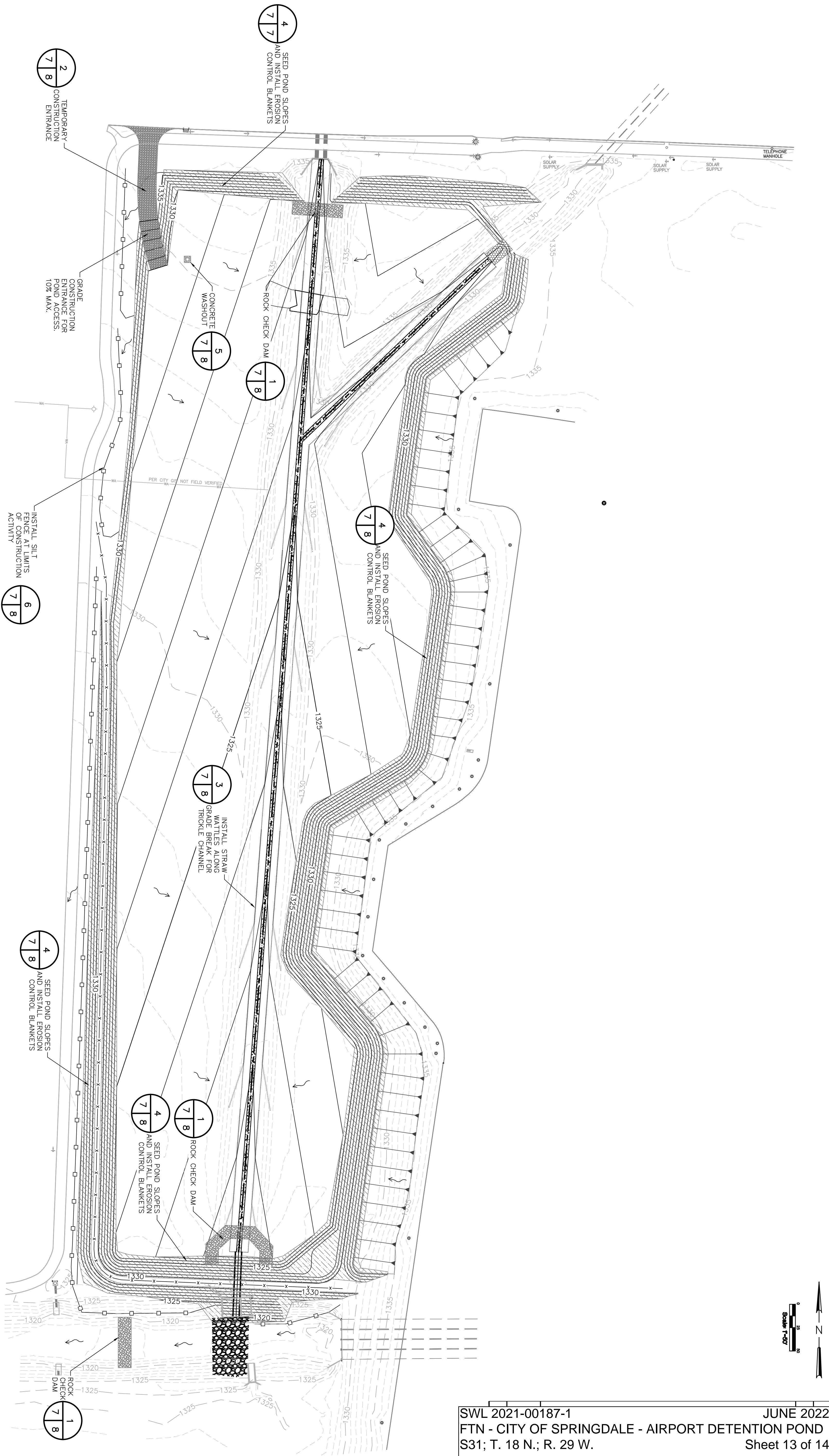
| | |
|----------|----------|
| AS SHOWN | 04/19/20 |
|----------|----------|



* CLASS I, II, AND III AS DEFINED IN ASTM D2487 AND THE PIPE BACKFILL

♦♦ STANDARD SIZE NO. 67 AS DEFINED
IN ASTM D448

S:\projects\04495-1596-002\cadd\dwg\04495-1596-002-EC01.DWG



SWL 2021-00187-1
FTN - CITY OF SPRINGDALE - AIRPORT DETENTION POND
S31; T. 18 N.; R. 29 W.

JUNE 2022
Sheet 13 of 14

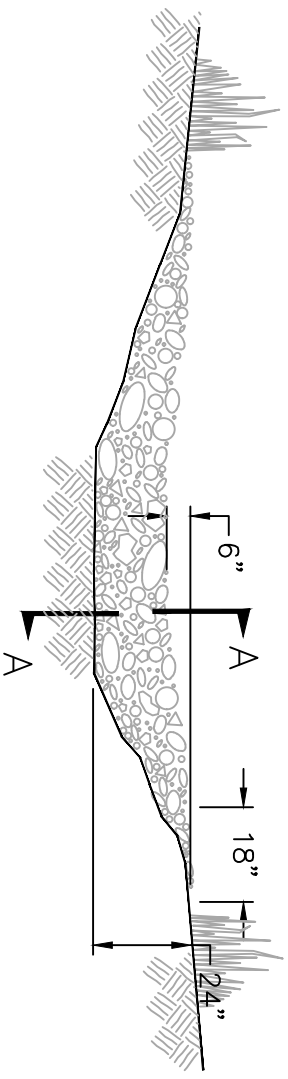
AIRPORT DETENTION POND
STORMWATER CONTROL PLAN

SPRINGDALE MUNICIPAL AIRPORT
REGIONAL DETENTION

SPRINGDALE, AR SWL-2021-00187-1

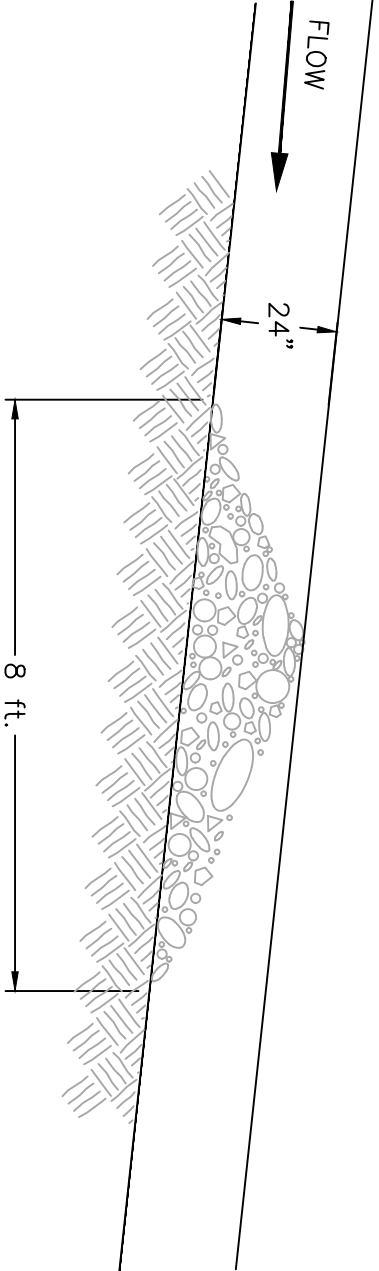


| | |
|------------|----------------|
| DRAWN BY: | FILE NAME: |
| <i>gwm</i> | EC01.DWG |
| APPROVED: | PROJECT NO. |
| <i>KDS</i> | 04495-1596-002 |
| SCALE: | DATE: |
| 1" = 50' | 04/19/21 |
| SHEET NO. | |
| 9 OF 10 | |



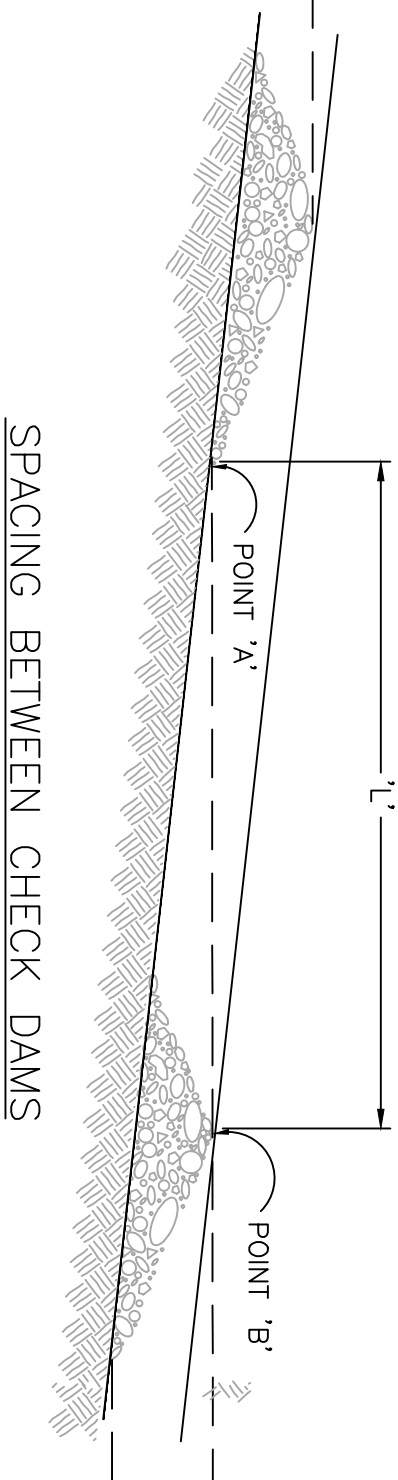
VIEW LOOKING UP STREAM

NOTE: KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVERFLOW AROUND DAM.



SECTION A-A

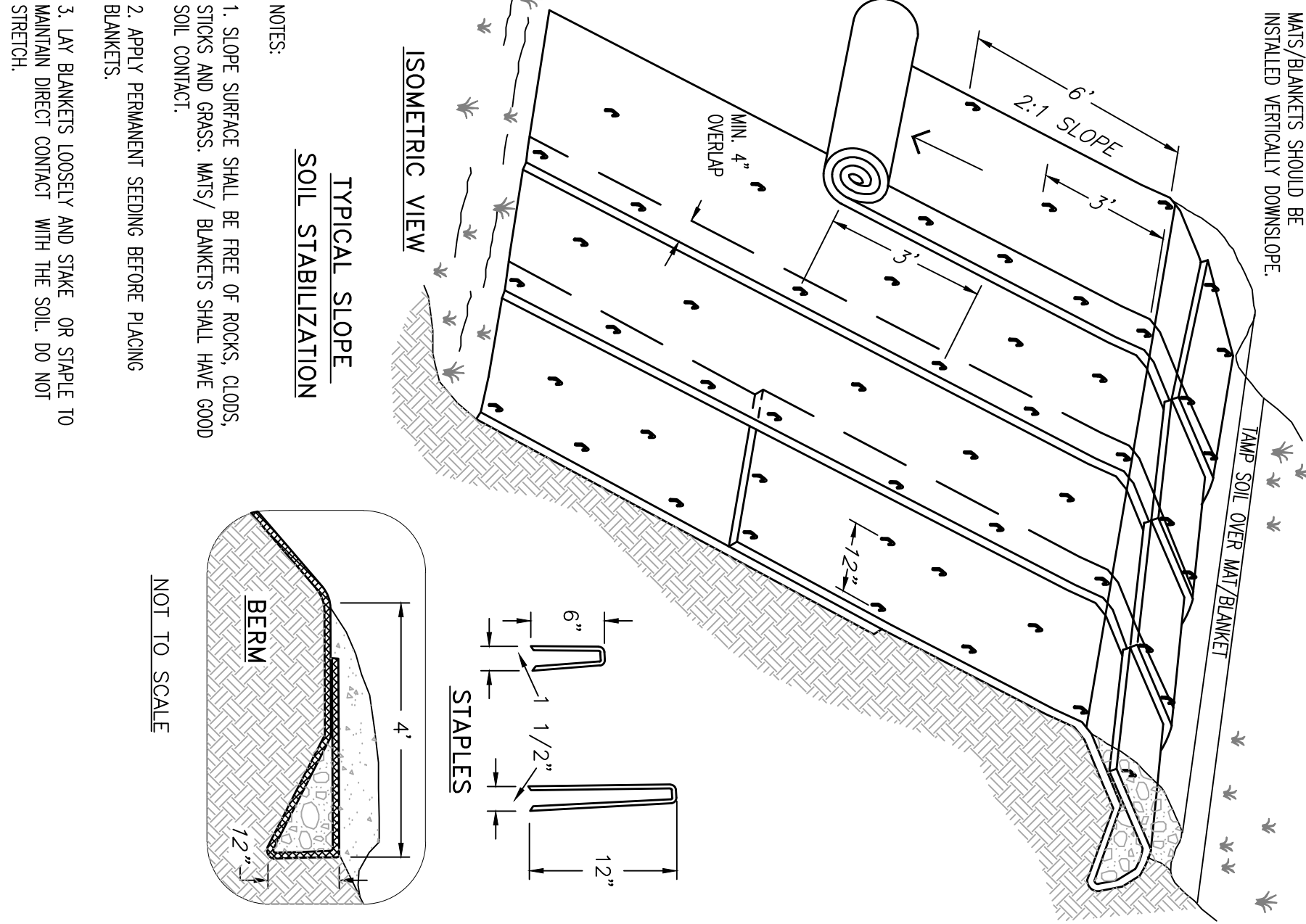
L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.



ROCK CHECK DAM

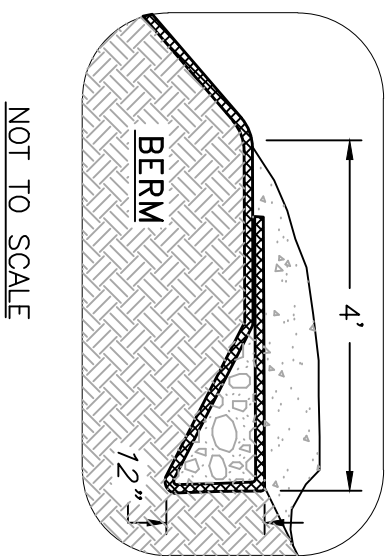
SECTION 1

SCALE: N.T.S.



TYPICAL SLOPE SOIL STABILIZATION

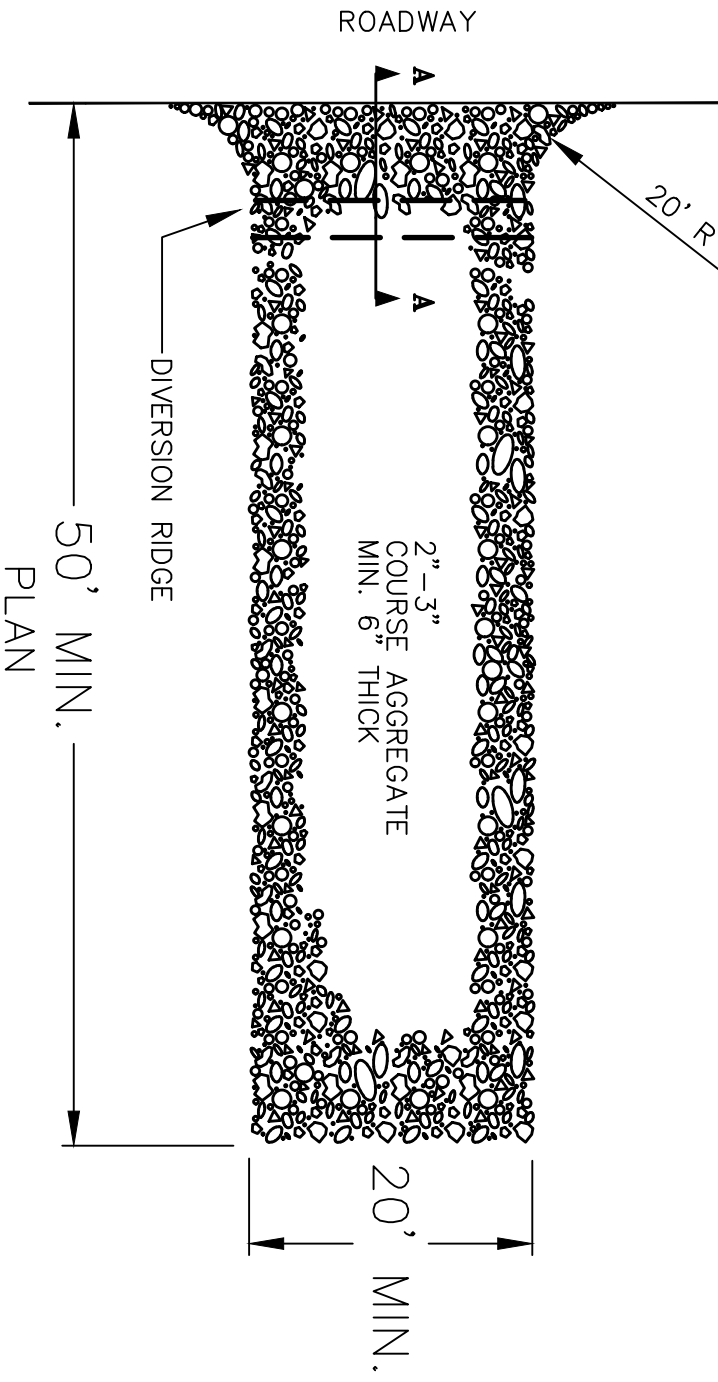
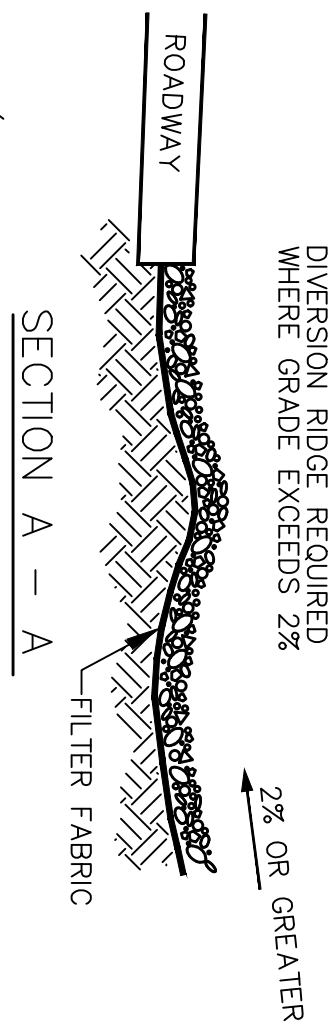
- NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLDS, STICKS AND GRASS. MTS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.



EROSION CONTROL BLANKETS

SECTION 4

SCALE: N.T.S.



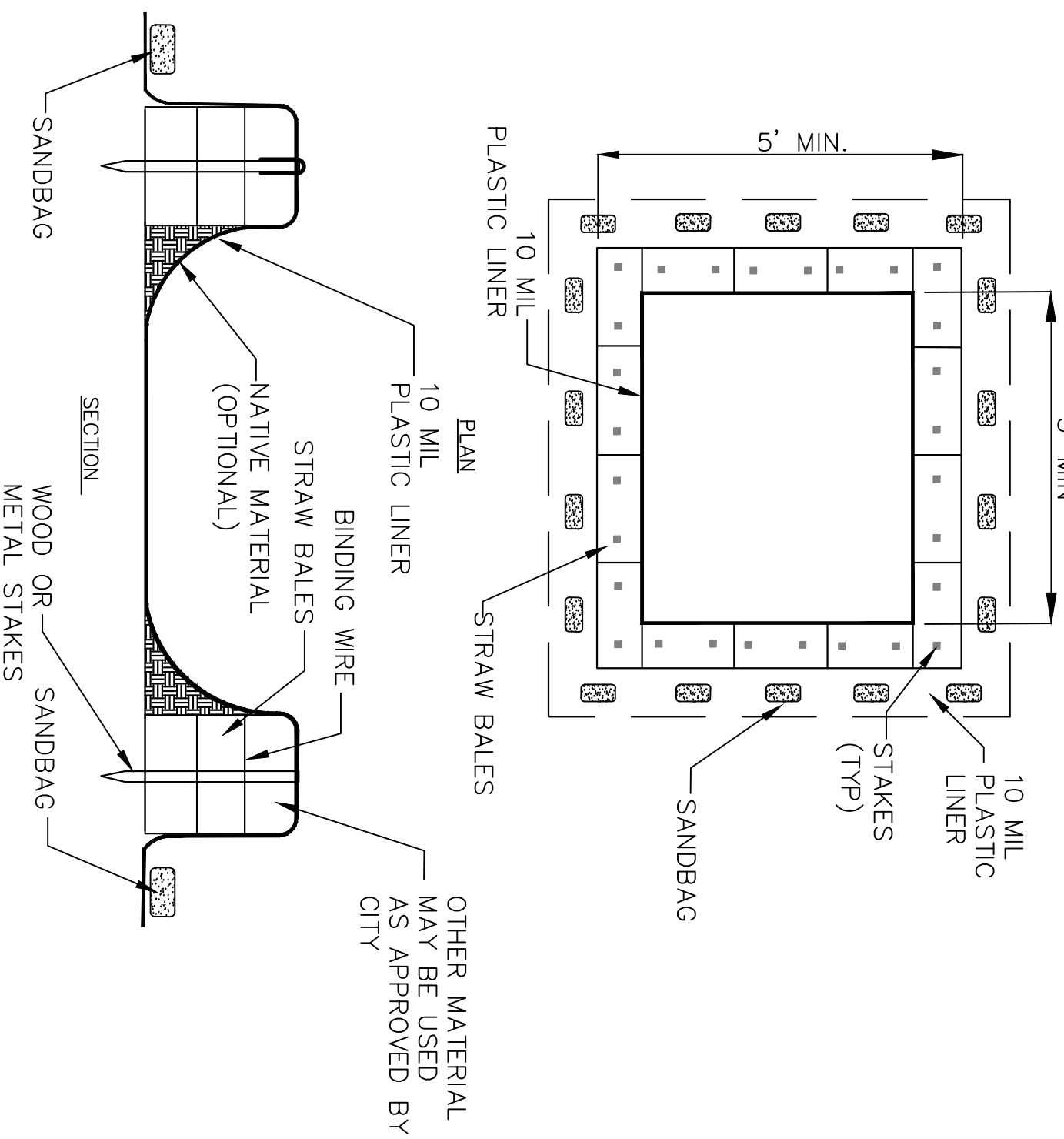
- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY BE ACHIEVED BY REGULARLY CLEANING, REPAIR AND/OR CLEAN OUT OF ANY WEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO A PROTECTED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION ENTRANCE

SCALE: N.T.S.

SECTION 2

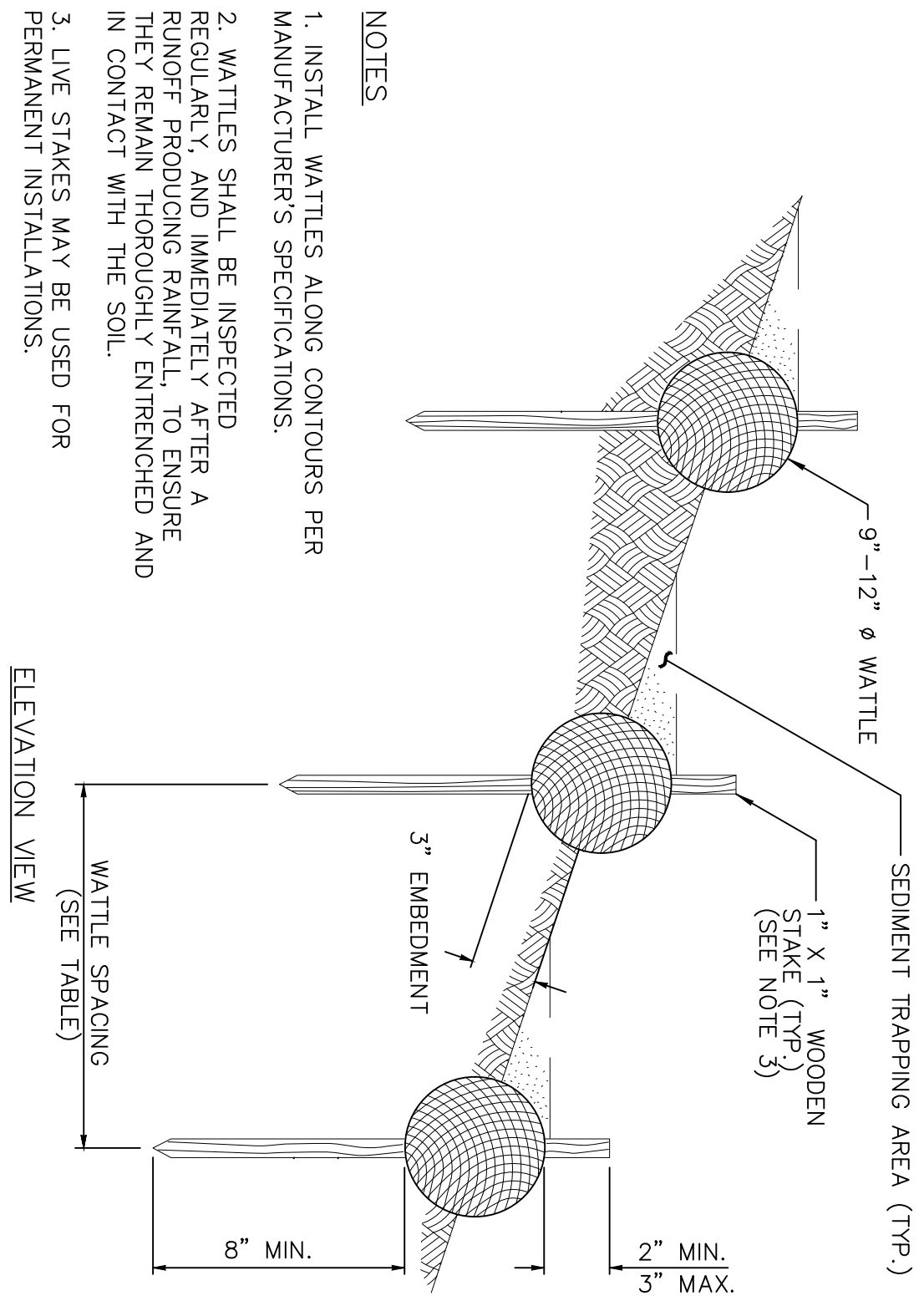
- WASHOUT NOTES:
1. NO WASHING OUT OF CONCRETE, TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
 2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
 3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
 4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 5. CONCRETE WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL.
 6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
 7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.



CONCRETE WASHOUT

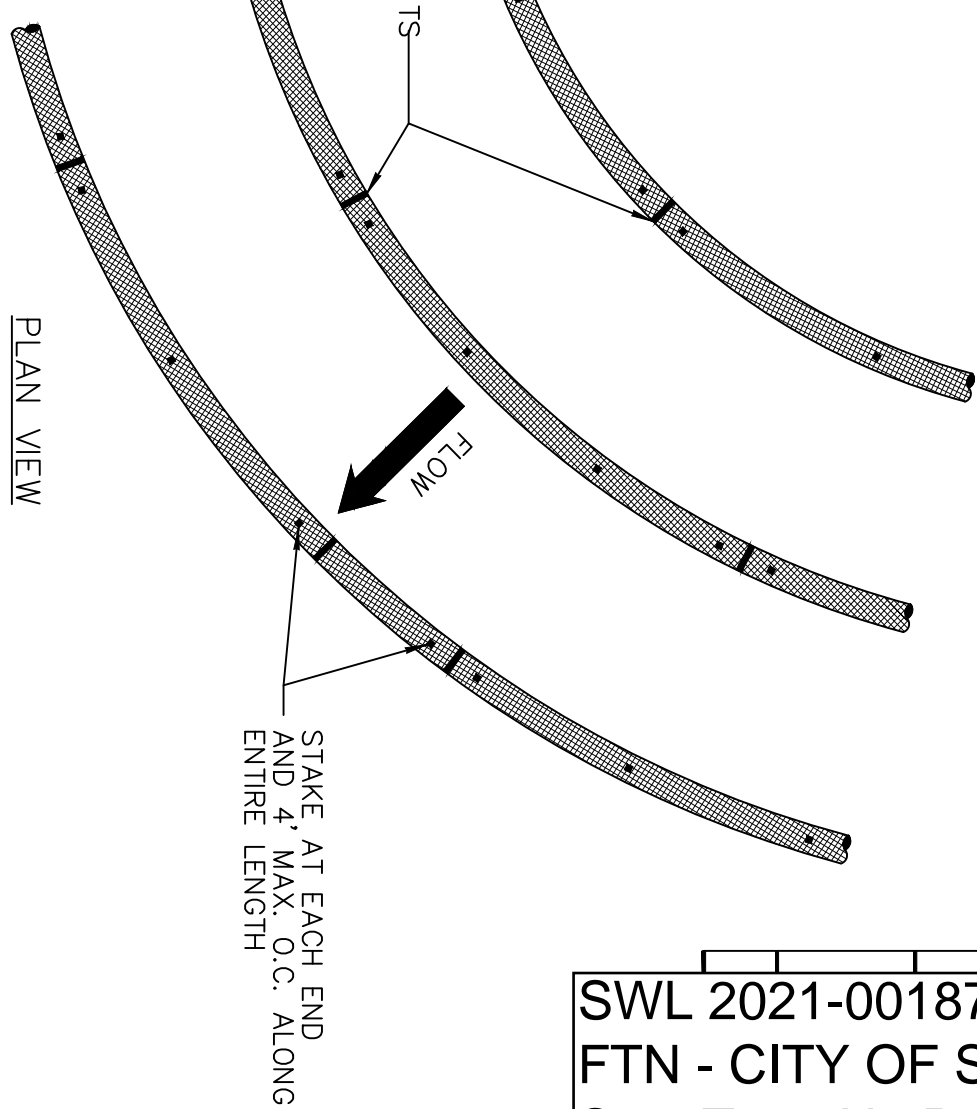
SCALE: N.T.S.

SECTION 5



- NOTES:
1. INSTALL WATTLES ALONG CONTOURS PER MANUFACTURER'S SPECIFICATIONS.
 2. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RUNOFF PRODUCING RAINFALL, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
 3. LIVE STAKES MAY BE USED FOR PERMANENT INSTALLATIONS.
 4. PERFORM MAINTENANCE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 5. INSTALL WATTLES SNUGLY INTO THE TRENCH, ADJUT ADJACENT WATTLES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
 6. PILOT HOLES MAY BE DRIVEN THROUGH THE WATTLE AND INTO THE SOIL, WHEN SOIL CONDITIONS REQUIRE.

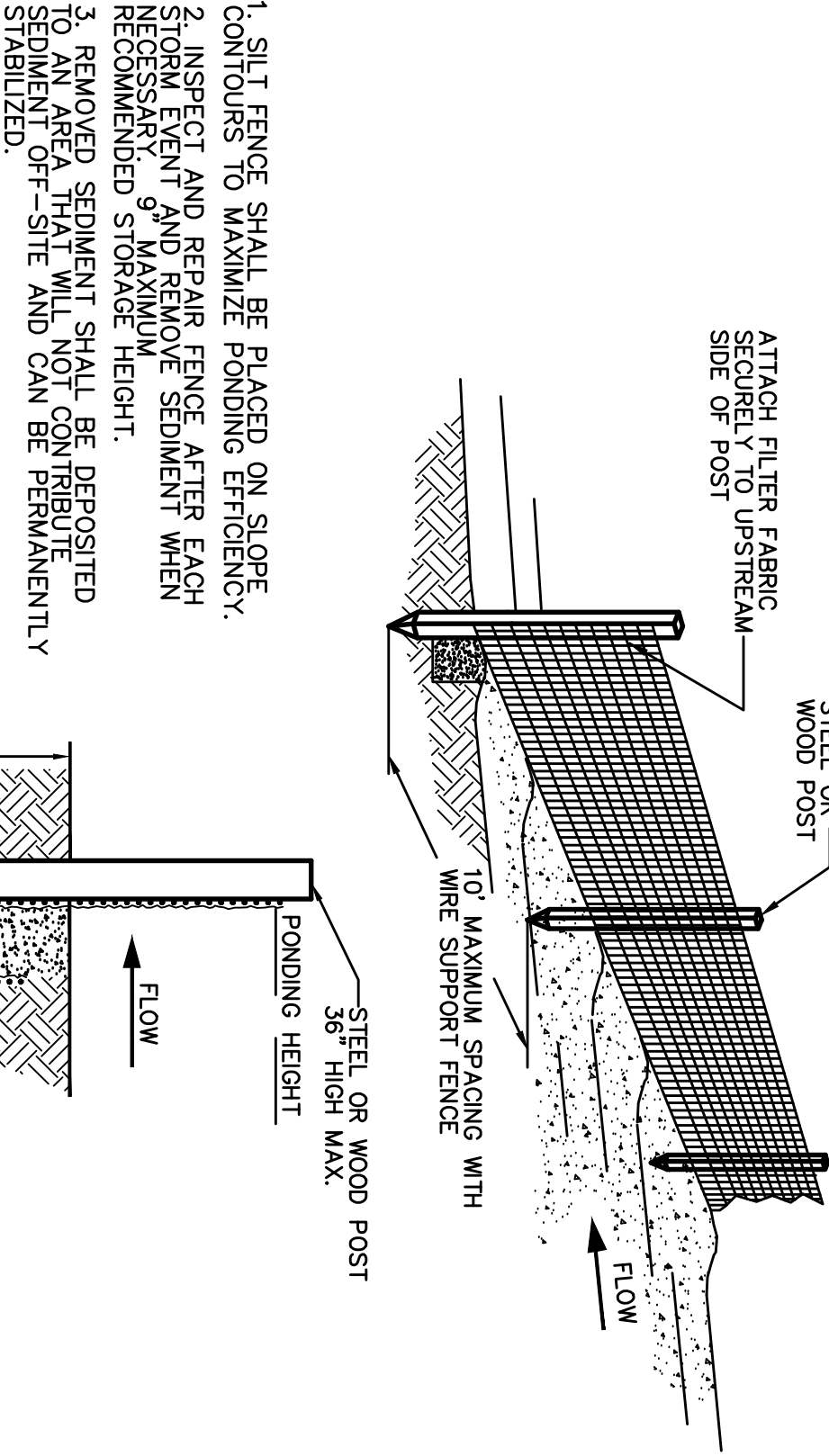
| WATTLE SPACING TABLE | |
|----------------------|-----------------|
| SLOPE | MAXIMUM SPACING |
| 1:1 | 20 FEET |
| 2:1 | 30 FEET |
| 3:1 | 40 FEET |
| 4:1 | 50 FEET |



STRAW WATTLES

SCALE: N.T.S.

SECTION 3



SILT FENCE WITH WIRE BACKING

SCALE: N.T.S.

SECTION 6



SPRINGDALE MUNICIPAL AIRPORT REGIONAL DETENTION SPRINGDALE, AR

AIRPORT DETENTION POND STORMWATER DETAILS

| | |
|-----------|----------------|
| DRAWN BY: | FILE NAME: |
| JMM | EC02.DWG |
| APPROVED: | PROJECT NO. |
| KJS | 04495-1596-002 |
| SCALE: | DATE: |
| AS SHOWN | 04/19/21 |
| SHEET NO. | |
| 10 OF 10 | |