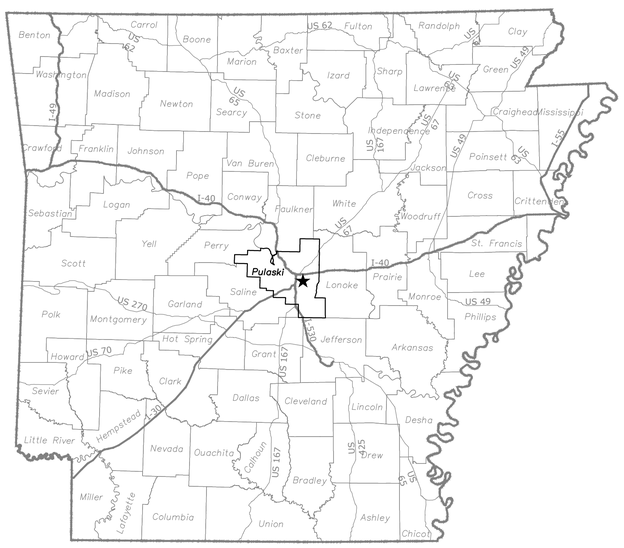
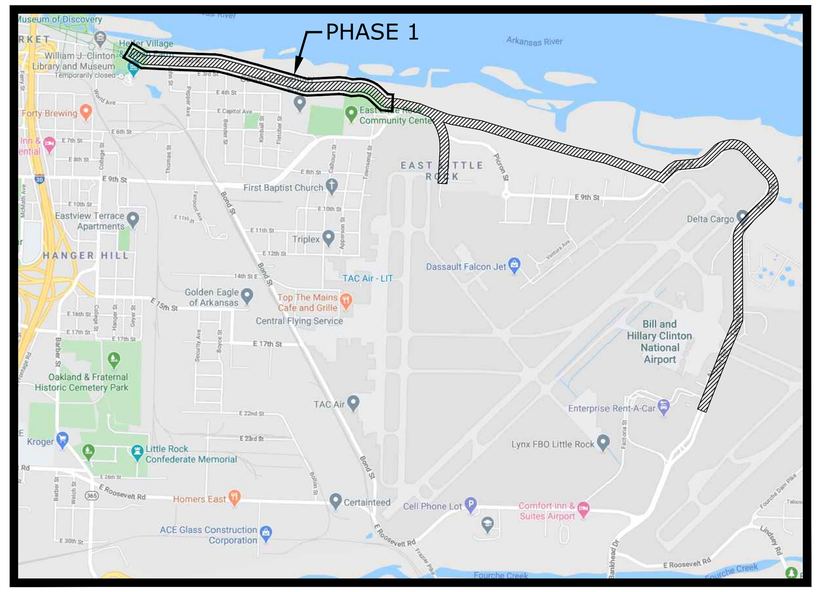
SOUTHEAST TRAIL

PULASKI COUNTY, ARKANSAS



LOCATION MAP



VICINITY MAP

60% DESIGN

JULY 2020
MCE PROJECT NUMBER 20-5776

ARDOT JOB 061696, SOUTHEAST TRAIL (PULASKI CO.) (S)

INDEX TO DRAWINGS

PHASE 1

1. COVER SHEET
2. PROJECT OVERVIEW
3.-20. TOPOGRAPHIC SURVEY
21.-27. TRAIL PLAN AND PROFILE
28.-31. GRADING PLAN
32.-35. MISCELLANEOUS DETAILS

PHASE 2

36.-47. TRAIL LAYOUT

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CERTIFICATE OF AUTH. McCLELLAND CONSULTING ENGINEERS No. 24 ARKANSAS ENGINEER

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SOUTHEAST TRAIL, PULASKI COUNTY, ARKANSAS MCE #20-5776 JULY 2020

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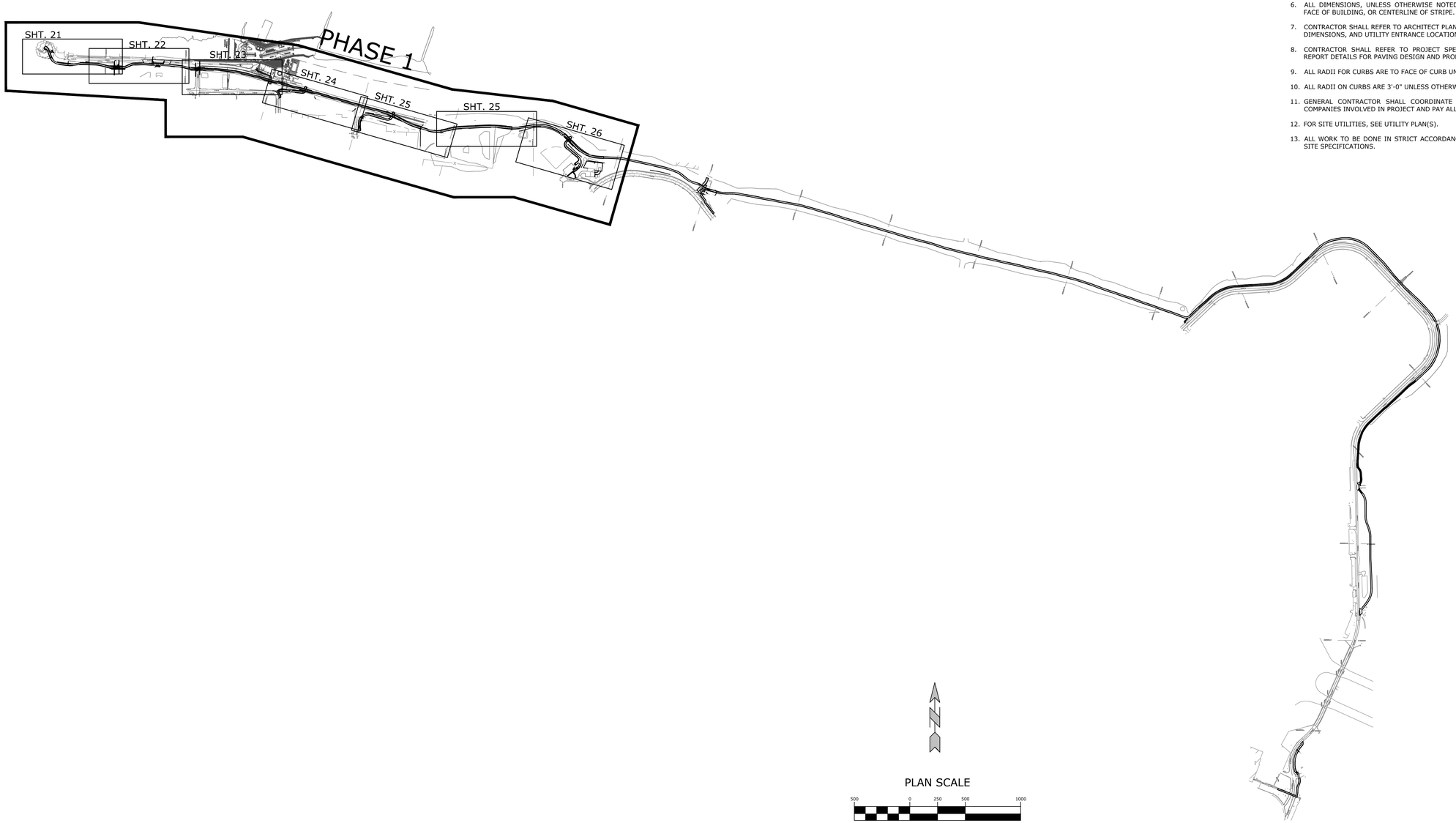

PLAN SCALE

500 0 250 500 1000

(IN FEET)
1 inch = 500ft.

GENERAL SITE NOTES

1. CONTRACTOR SHALL RETAIN A FULL SET OF LATEST APPROVED CONSTRUCTION PLANS ON SITE DURING CONSTRUCTION ACTIVITIES.
2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE SITE WORK SPECIFICATIONS PROVIDED BY McCLELLAND CONSULTING ENGINEERS, INC. OR AS SPECIFIED BY THE OWNER'S RESIDENT REPRESENTATIVE.
3. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
4. PUBLIC CONVENIENCE AND SAFETY:
   THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO HIGHWAYS IN THE CONSTRUCTION AREA IN AN ADEQUATE AND SATISFACTORY MANNER IN ACCORDANCE WITH ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
5. UNLESS OTHERWISE NOTED, ALL CURBING INDICATED SHALL BE XX" CONCRETE CURB AND GUTTER.
6. ALL DIMENSIONS, UNLESS OTHERWISE NOTED, ARE FROM THE FACE OF CURB, FACE OF BUILDING, OR CENTERLINE OF STRIPE.
7. CONTRACTOR SHALL REFER TO ARCHITECT PLANS FOR EXACT BUILDING LOCATION, DIMENSIONS, AND UTILITY ENTRANCE LOCATIONS.
8. CONTRACTOR SHALL REFER TO PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT DETAILS FOR PAVING DESIGN AND PROPER MATERIALS.
9. ALL RADII FOR CURBS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
10. ALL RADII ON CURBS ARE 3'-0" UNLESS OTHERWISE NOTED.
11. GENERAL CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
12. FOR SITE UTILITIES, SEE UTILITY PLAN(S).
13. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH THE OWNER'S STANDARD SITE SPECIFICATIONS.

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PROJECT
OVERVIEW

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SCALE: 1"=500'	JOB NUMBER: 20-5776

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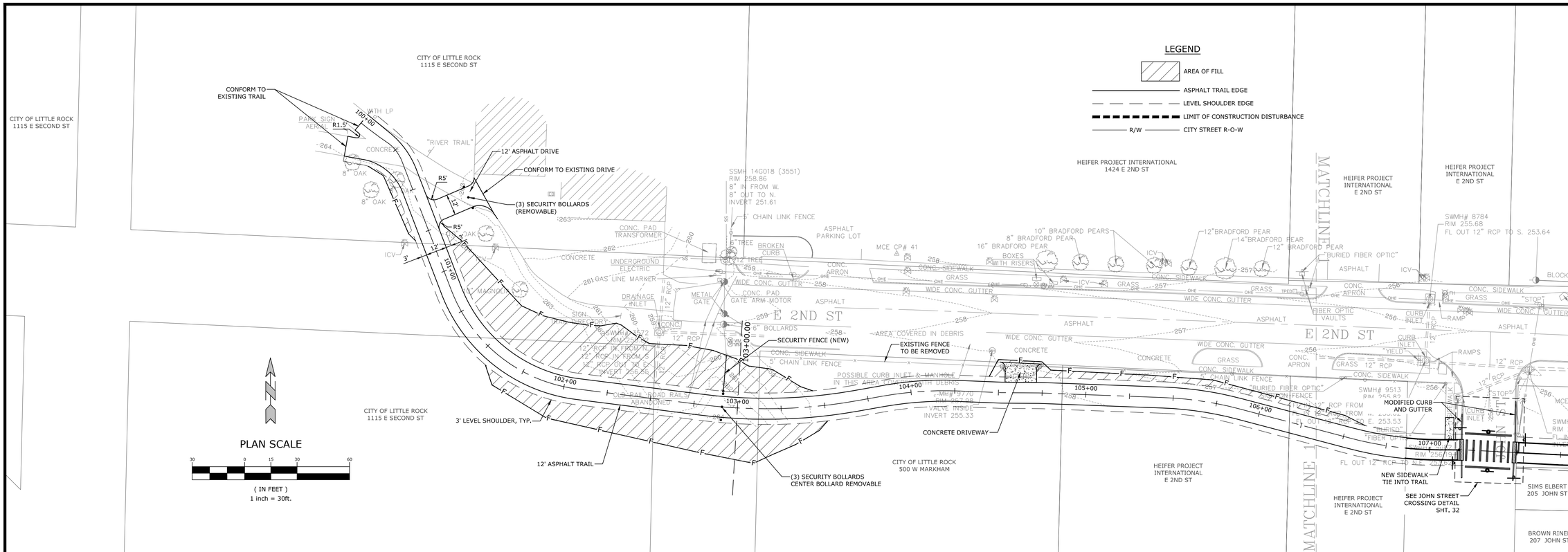

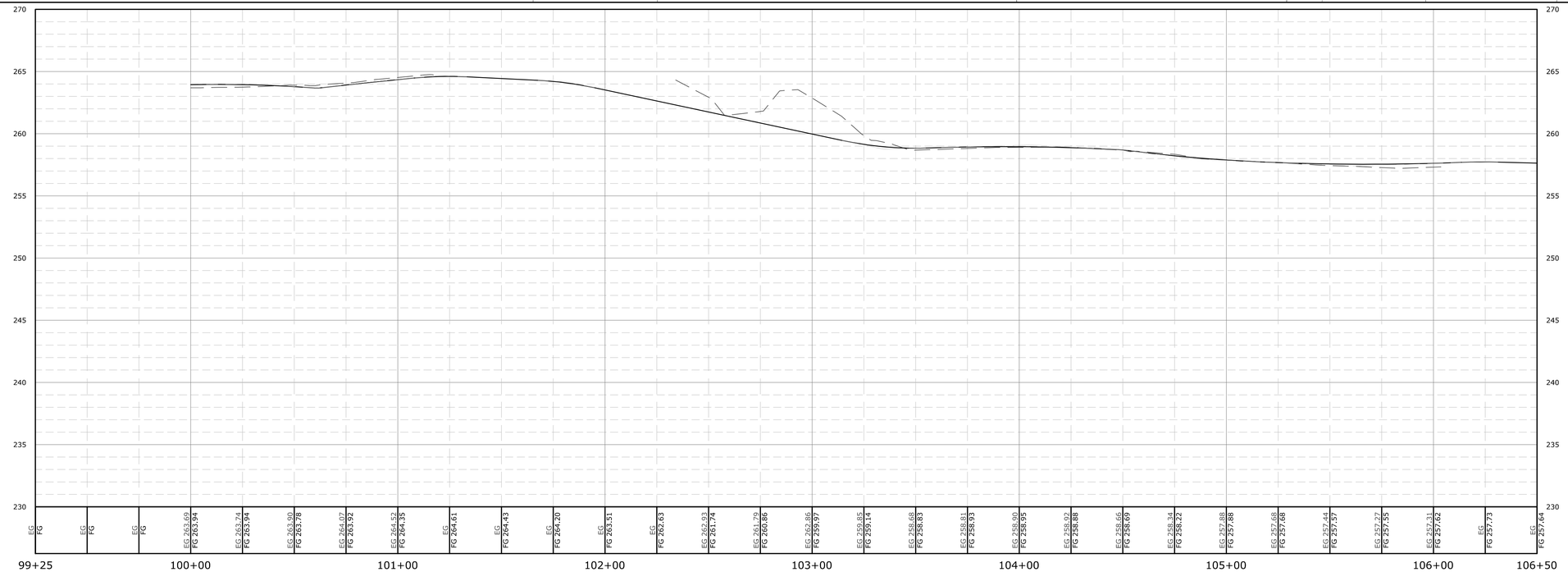

SCALE:
1"=30' HORIZ.
1"=5' VERT.

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TRAIL PLAN AND PROFILE

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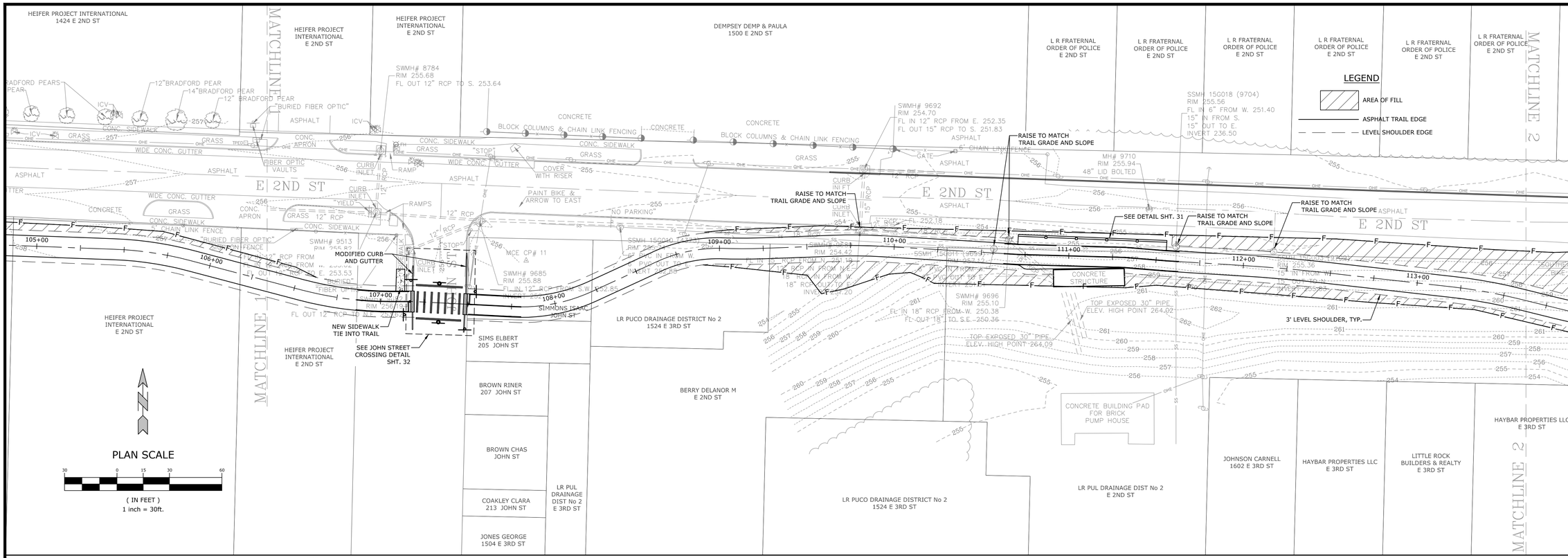

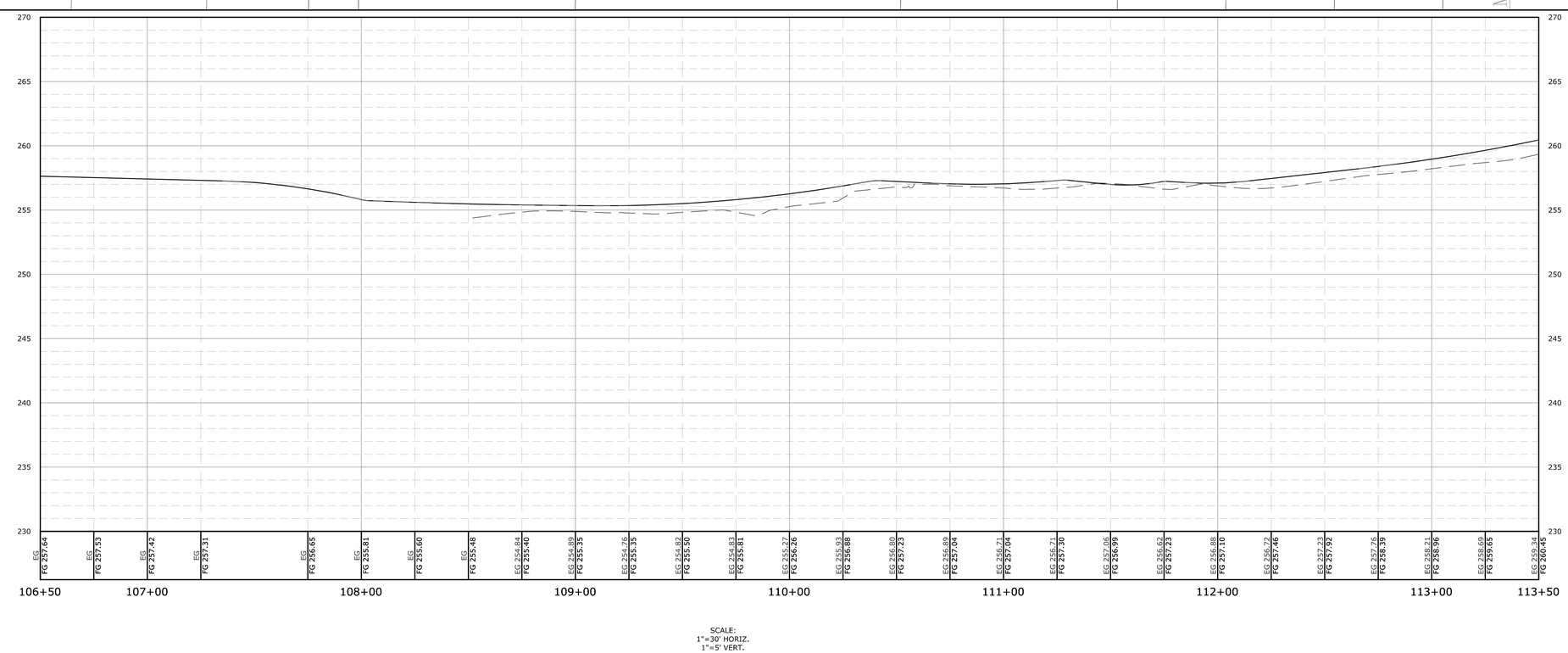

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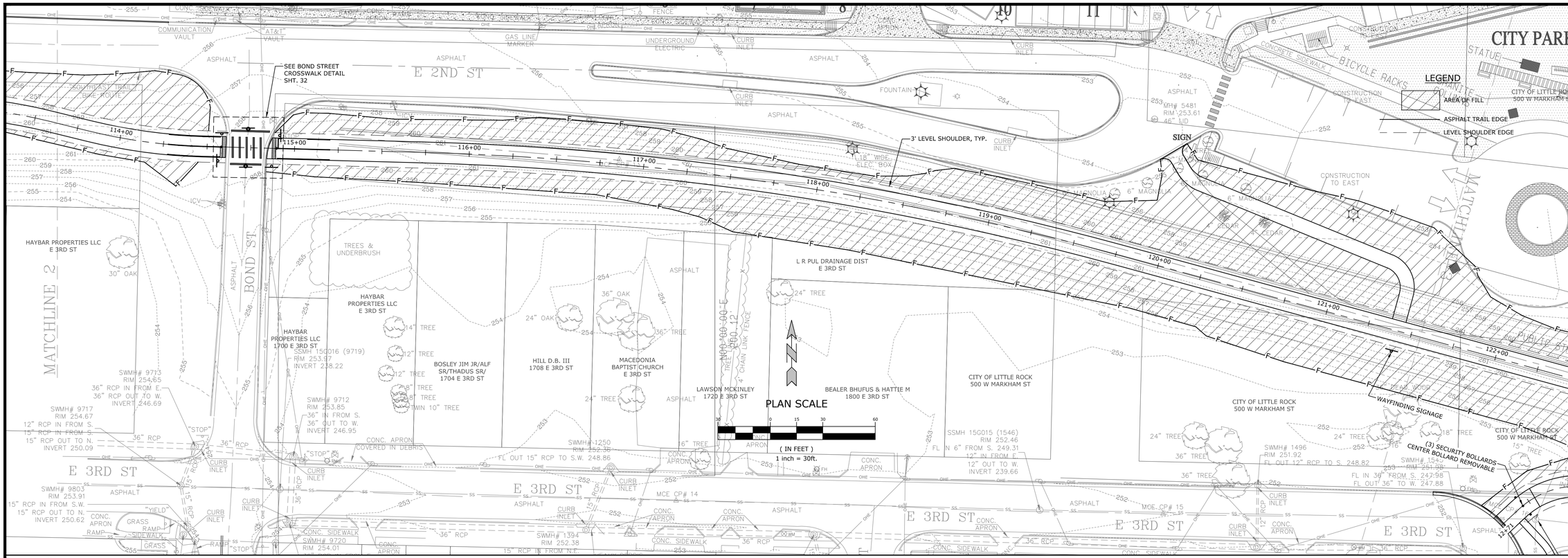

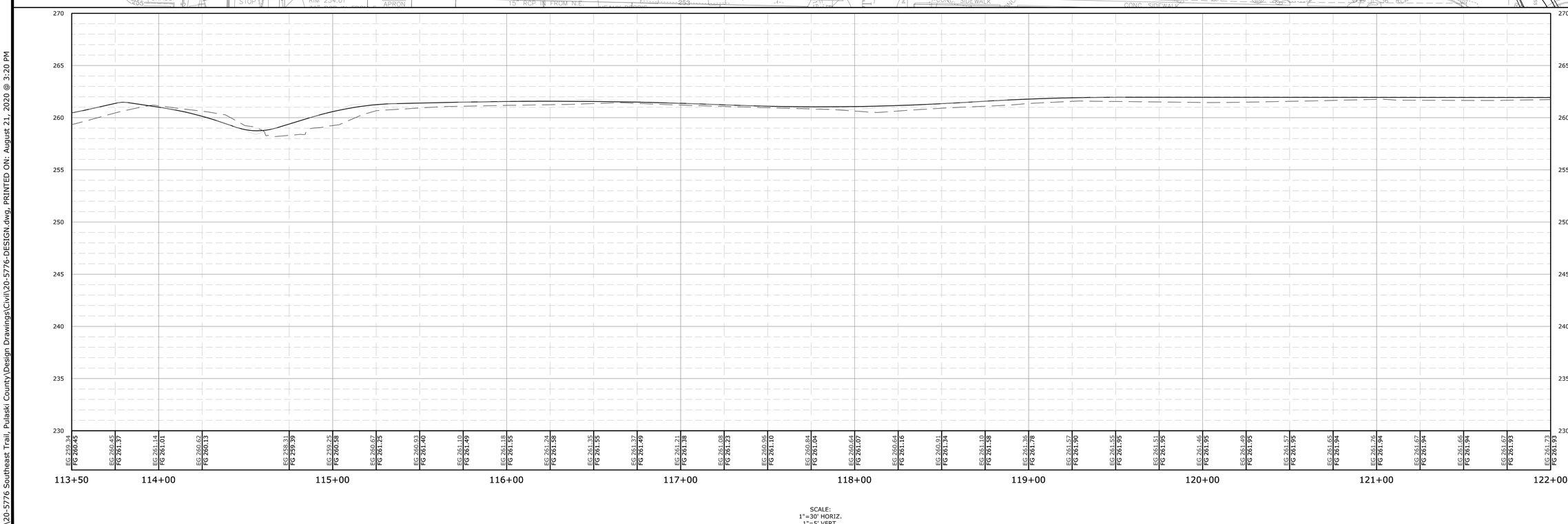

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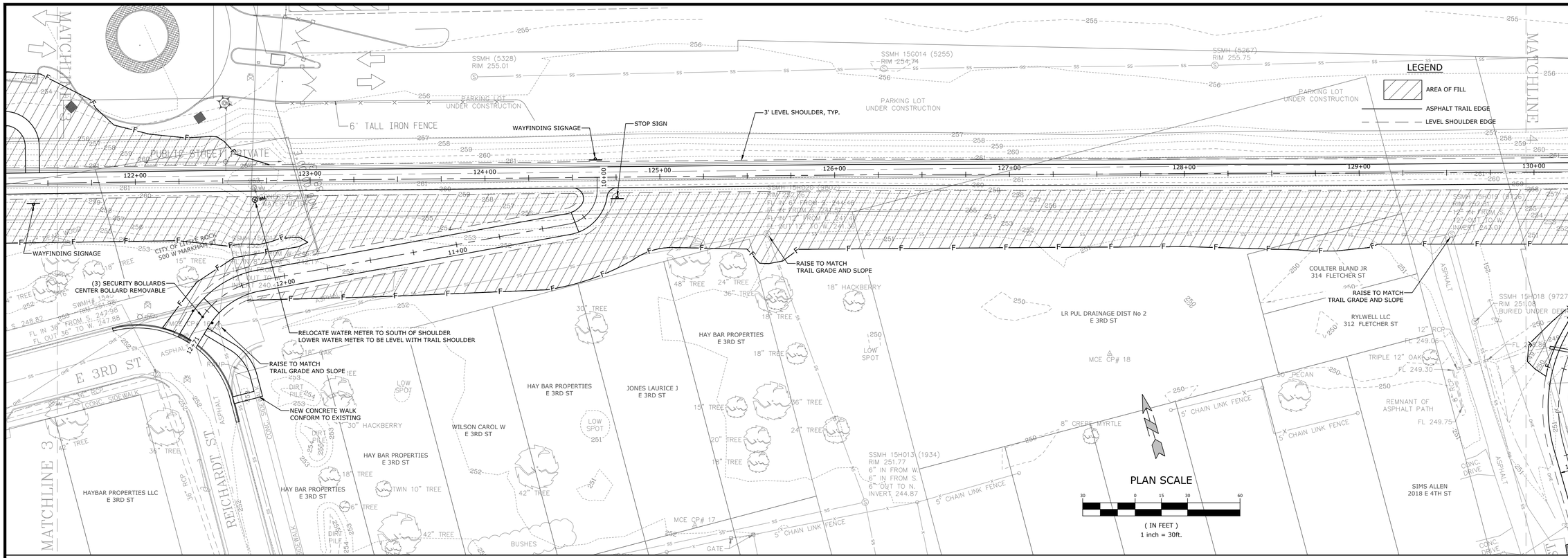

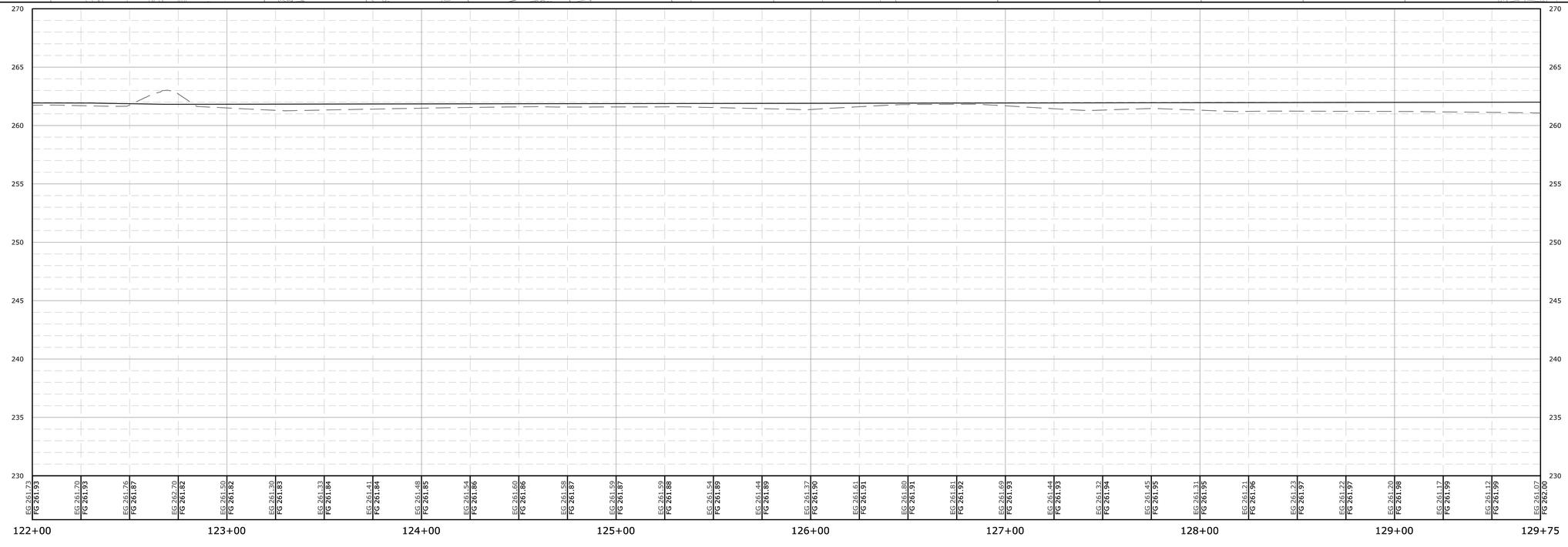

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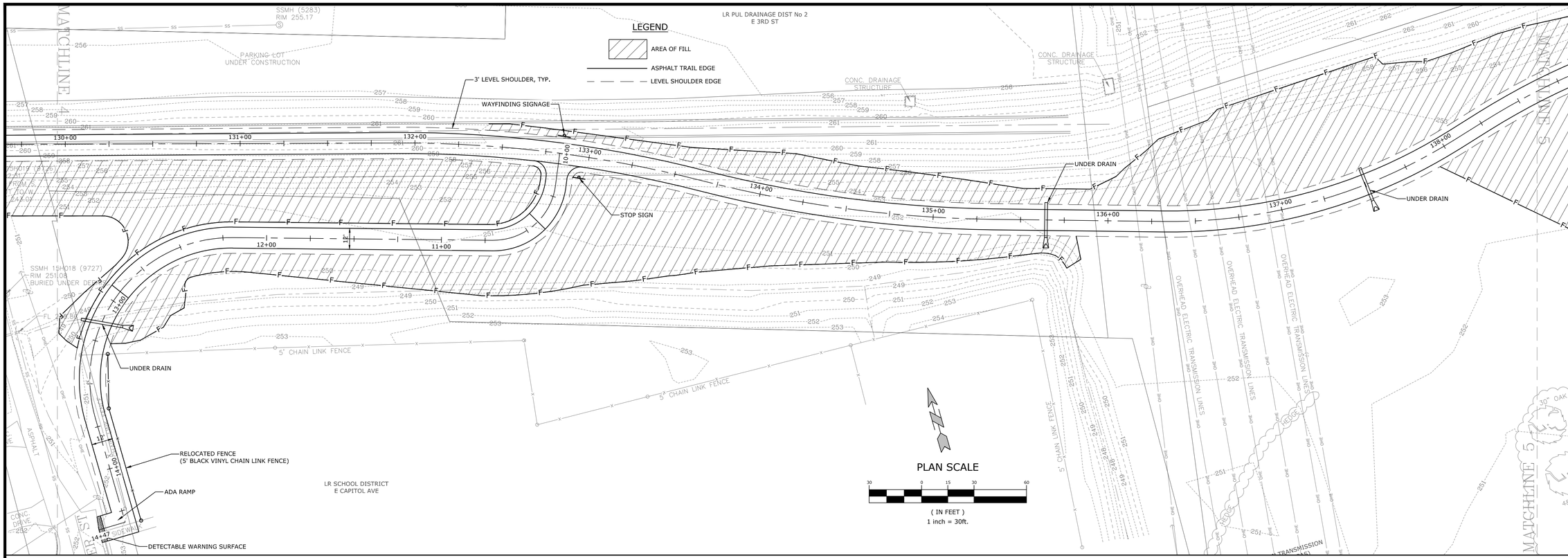

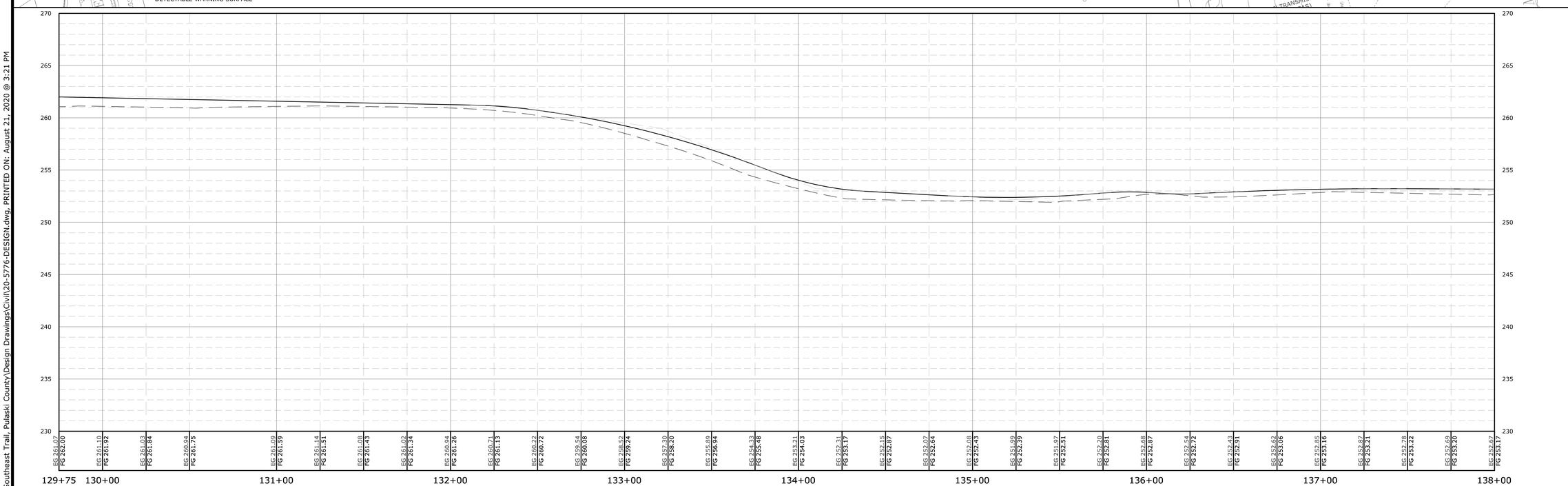

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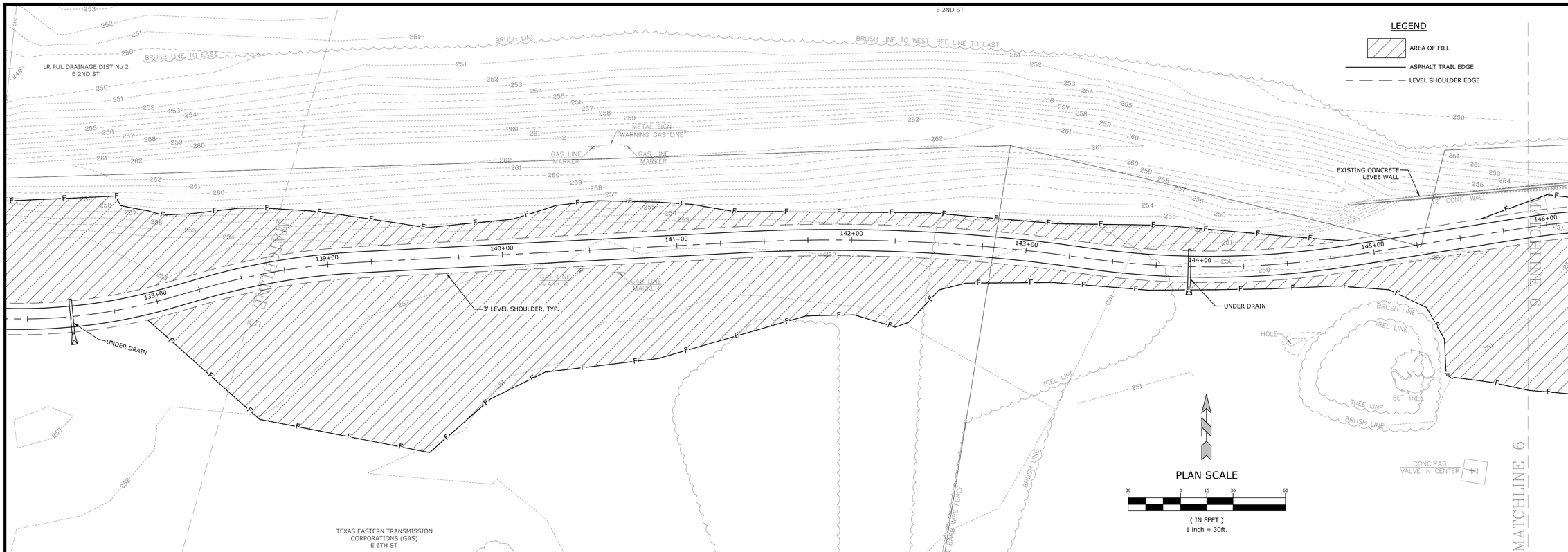

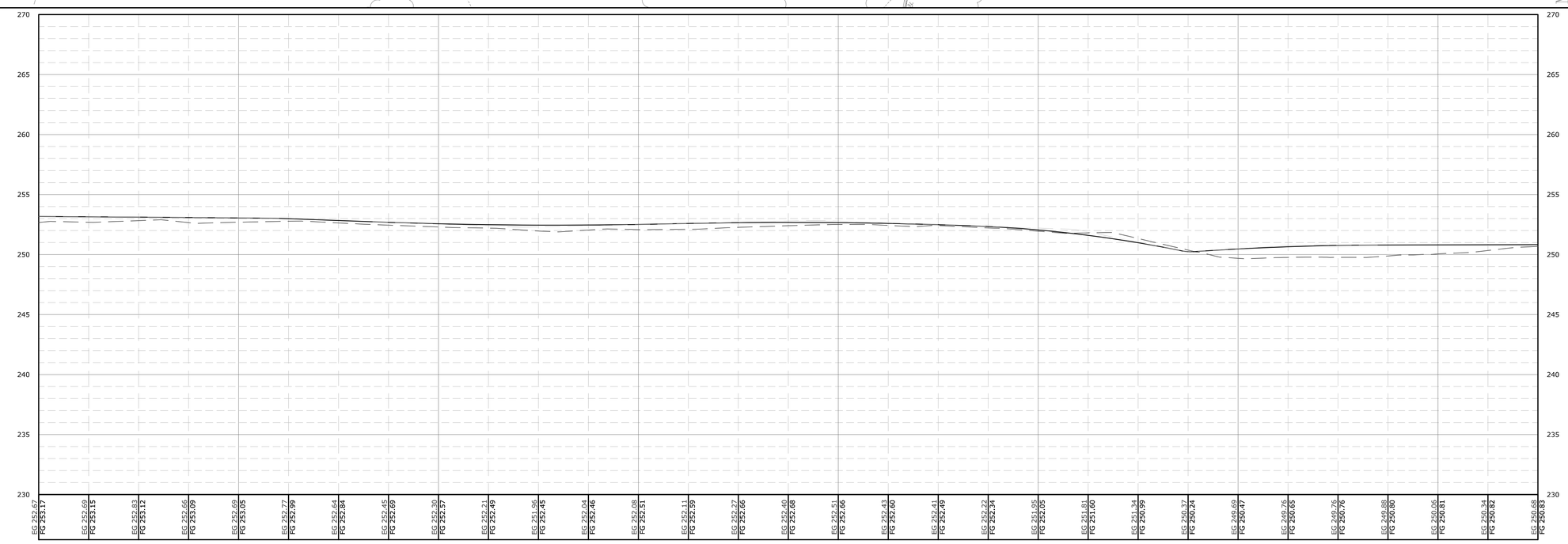

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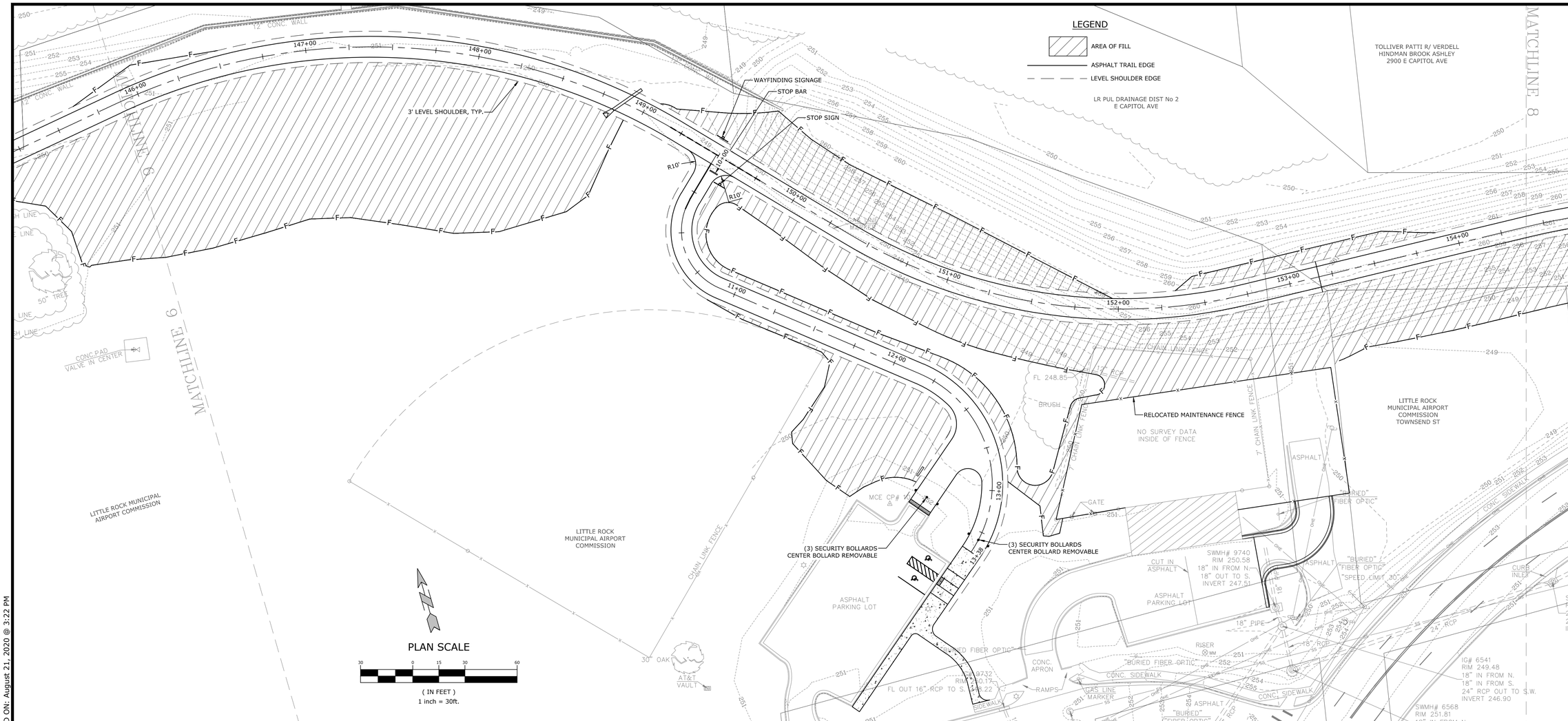

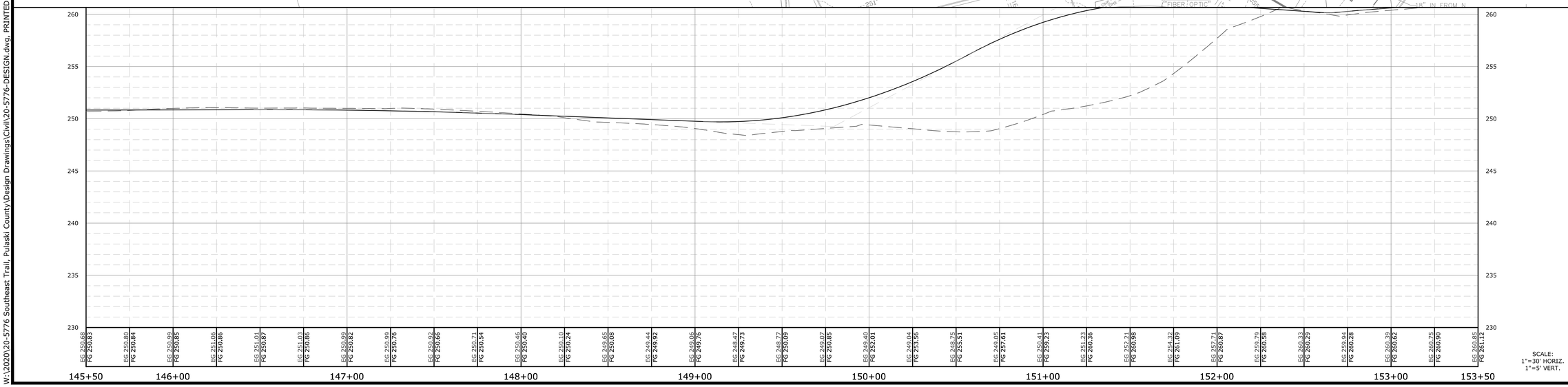

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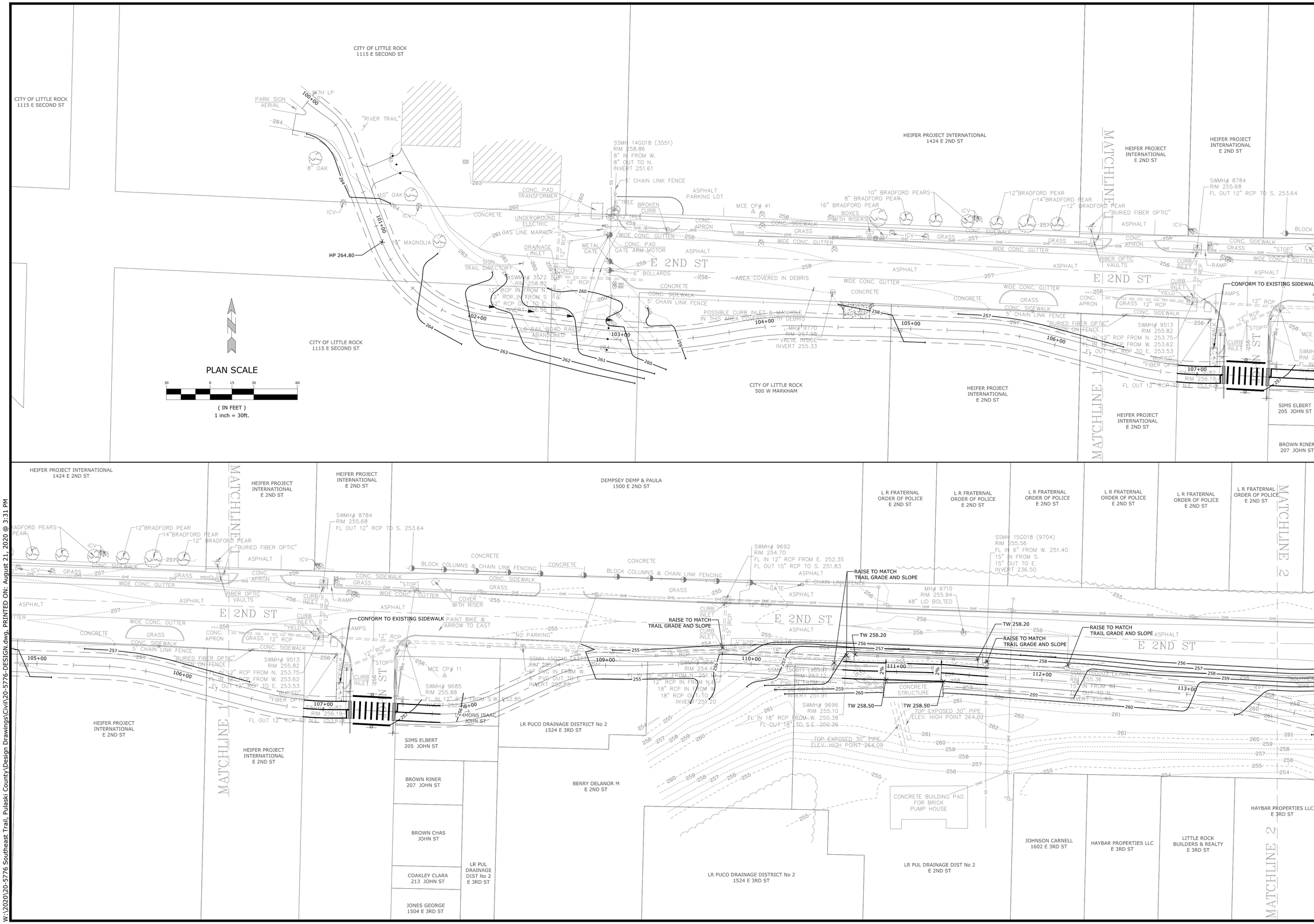

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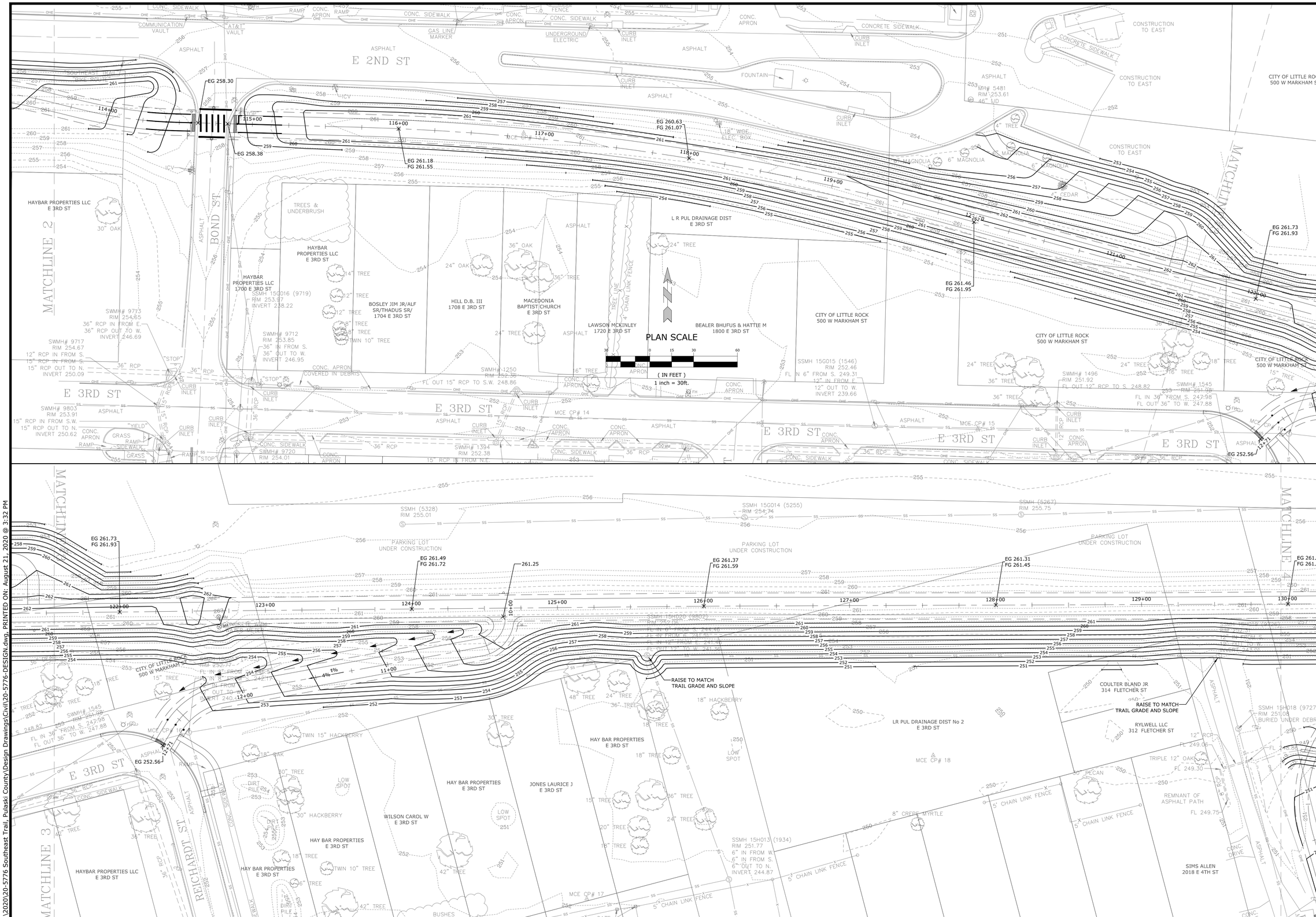

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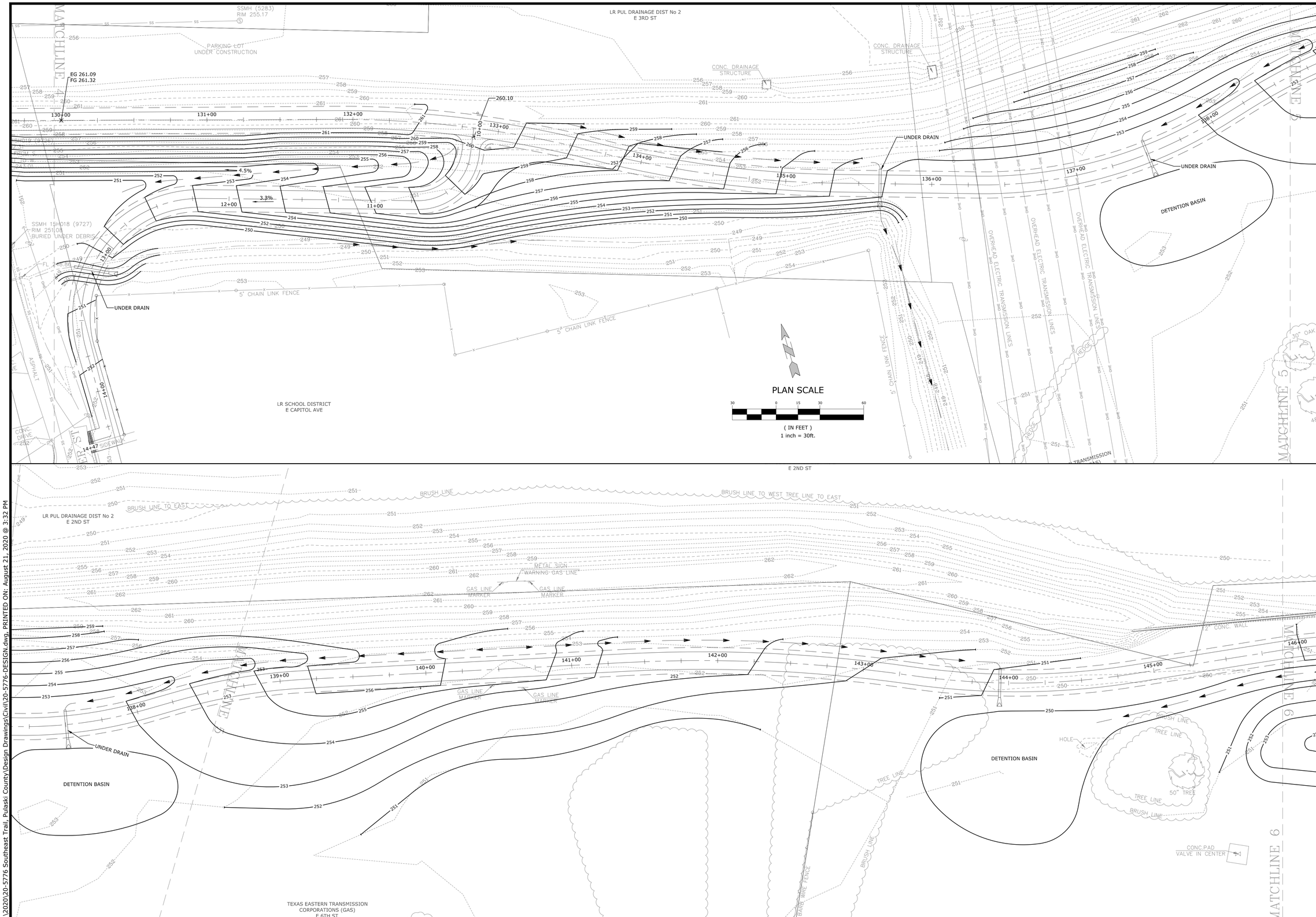

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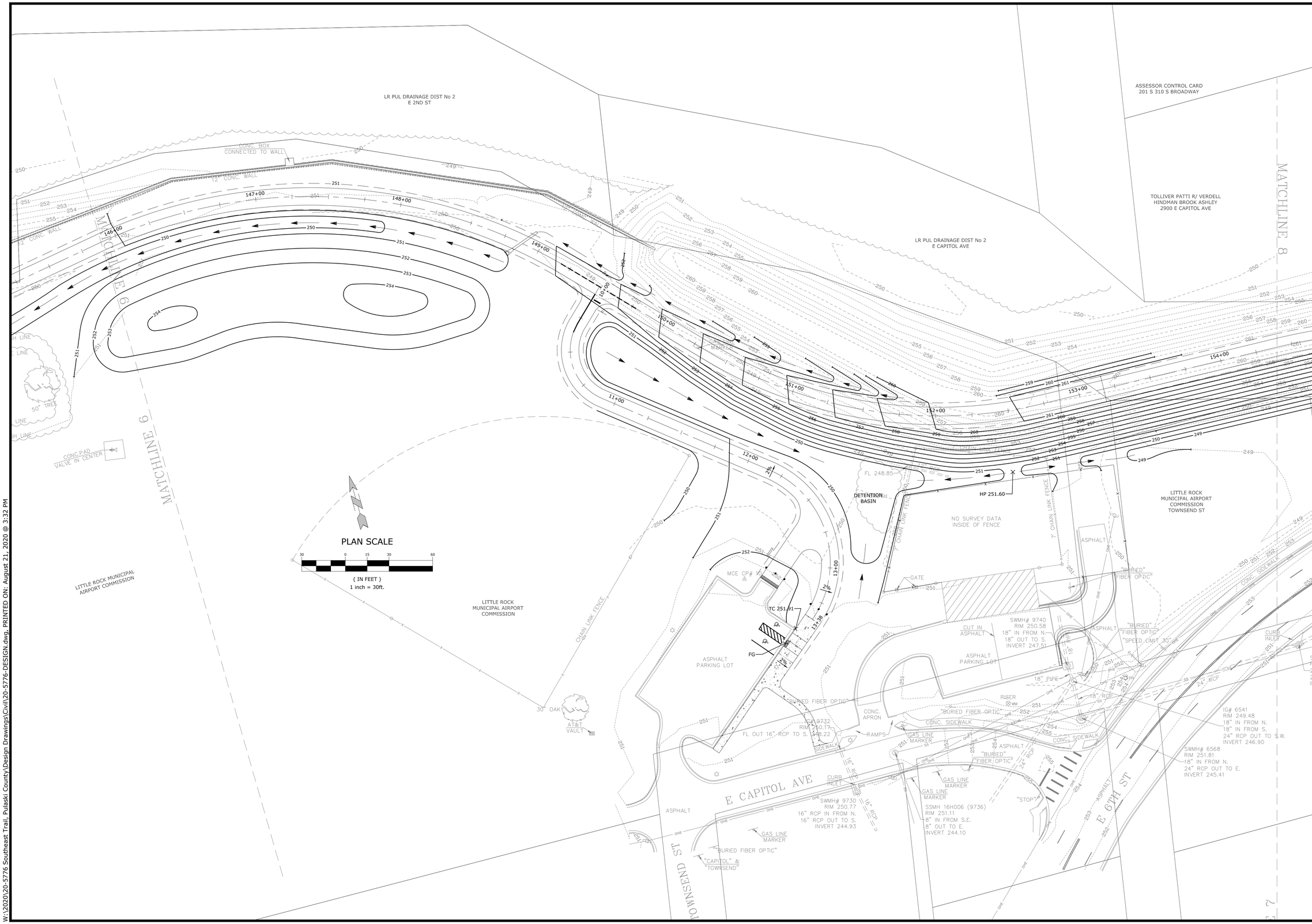

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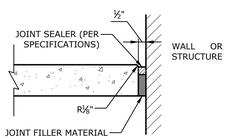
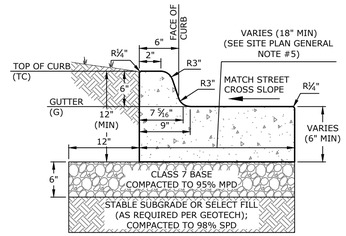
NOTES:
1. CONCRETE FOR CURB AND GUTTER TO BE CLASS A WITH A COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS (MIN).
2. ALL CURB AND GUTTER SHALL HAVE A BROOMED FINISH UNLESS OTHERWISE SPECIFIED.
3. SAW CUT JOINTS AT 15' O.C. SEAL WITH ONE PART COLD APPLIED SILICONE JOINT SEALER OR OTHER APPROVED SEALANT. ALL JOINTS TO BE SEALED PRIOR TO FINAL ASPHALT PLACEMENT.
4. PROVIDE 1/2" PREFORMED ISOLATION JOINT MATERIAL (ASPHALT IMPREGNATED FIBERBOARD OR OTHER APPROVED MATERIAL) AT STATIONARY STRUCTURES, (DROP INLETS, END OF CURBS, DRIVEWAYS - SEE DETAIL) OR AS DIRECTED BY ENGINEER.
5. WHEN CURB / GUTTER IS USED IN ROADWAY OR DRIVEWAY, 12" BASE BEHIND CURB SHALL BE REQUIRED. WHEN CURB / GUTTER IS USED IN PARKING LOTS, 12" BASE BEHIND CURB NOT REQUIRED - UNLESS 5:1 OR STEEPER SLOPE AWAY FROM BACK OF CURB IS PRESENT.

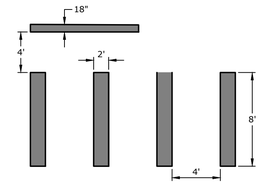


ISOLATION JOINT

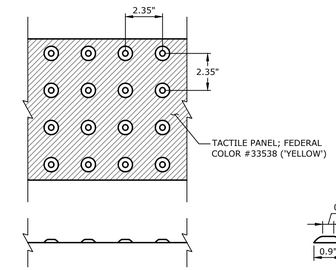


20A TYPE 'A' STANDARD CONCRETE CURB & GUTTER
NTS

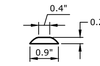
NOTES:
1. ALL PAVEMENT MARKING SHALL BE OF THERMOPLASTIC MATERIAL (WHITE).
2. CROSSWALK SHALL BE CENTERED ON ADA RAMP AND RUN PERPENDICULAR TO THE STREET CENTERLINE.
3. ANY EXISTING LANE MARKINGS SHALL BE REMOVED WHERE THEY CONFLICT W/ THE NEW MARKINGS.



22H CROSSWALK STRIPING
NTS



TRUNCATED DOME SPACING

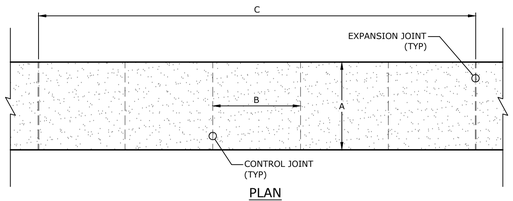


TRUNCATED DOME SECTION

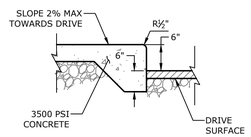
NOTES:
1. THE DETECTABLE WARNING DEVICE SHALL BE LOCATED SO THAT THE NEAREST EDGE OF THE DEVICE IS LOCATED AT THE BACK OF CURB.
2. TRUNCATED DOMES SHALL HAVE A DIAMETER OF 0.9 INCH AT THE BOTTOM, A DIAMETER OF 0.4 INCH AT THE TOP, A HEIGHT OF 0.2 INCH, AND A CENTER-TO-CENTER SPACING OF 2.35 INCHES MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT.
3. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
4. DETECTABLE WARNING DEVICE SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. (MIN 4')
5. THE CAST-IN-PLACE TACTILE PANELS SHALL BE MANUFACTURED USING VITRIFIED POLYMER COMPOSITE MATERIAL. THE PANELS SHALL BE SET INTO WET CONCRETE.

22G DETECTABLE WARNING SURFACE
NTS

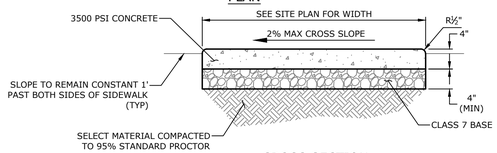
NOTES:
1. CONCRETE FOR SIDEWALK TO BE CLASS A WITH A COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS (MIN).
2. ALL SIDEWALKS SHALL HAVE A BROOMED FINISHED UNLESS OTHERWISE SPECIFIED.
3. ALL JOINTING TO BE LOCATED PER SIDEWALK JOINTING (DETAIL 22C)
4. CURING COMPOUND IS REQUIRED UNLESS TEMPERATURES STAY BELOW 50° FAHRENHEIT FOR 7 DAYS. CURING COMPOUND MUST BE COLORED WHITE, RED, OR PINK AND CLEAR CURING COMPOUND IS UNACCEPTABLE. IF CONCRETE IS NOT CURED WHEN REQUIRED, IT WILL BE CONSIDERED GROUNDS FOR REMOVAL AND REPLACEMENT.
5. ALL CONTROL JOINTING TO BE SAWCUT OR TOOLED JOINTED PER SIDEWALK JOINTING (DETAIL 22C).



PLAN



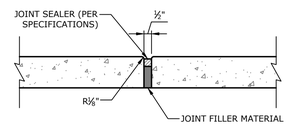
SIDEWALK ADJACENT TO DRIVE SURFACES



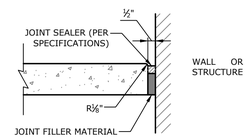
CROSS SECTION

A	SEE SITE PLAN
B	A
C	Bx5

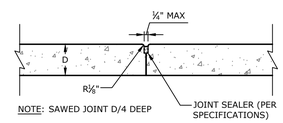
22A CONCRETE SIDEWALK
NTS



EXPANSION JOINT



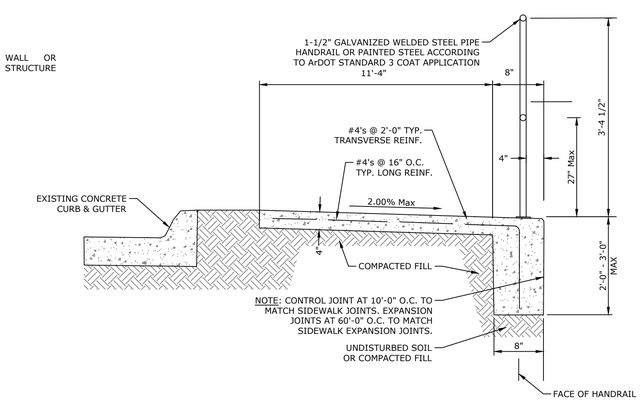
ISOLATION JOINT



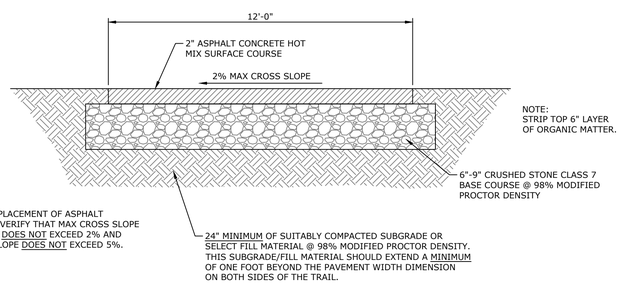
NOTE: SAWED JOINT D/4 DEEP

CONTROL JOINT
(LONGITUDINAL OR TRANSVERSE)

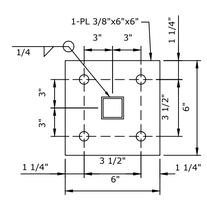
22C SIDEWALK JOINTING
NTS



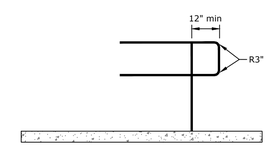
22B CONCRETE TRAIL WITH TURNDOWN EDGE
N.T.S.



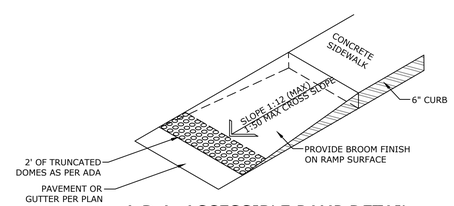
21I TYPICAL ASPHALT TRAIL SECTION
NTS



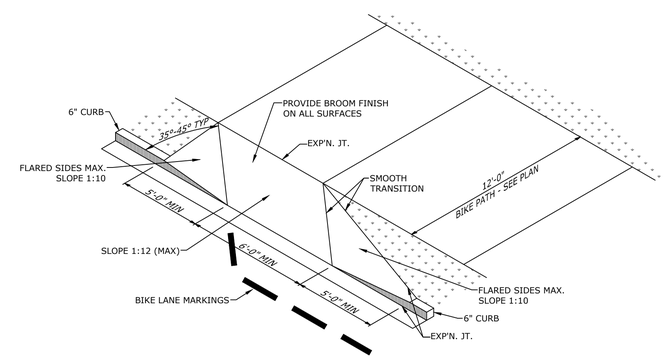
BASE PLATE DETAIL
N.T.S.



HANDRAIL TERMINATION DETAIL
N.T.S.



A.D.A. ACCESSIBLE RAMP DETAIL
N.T.S.



BIKE RAMP WITH FLARED SIDES
N.T.S.

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ORIGINAL SIGNATURE ON FILE

SOUTHEAST TRAIL - PHASE 1
PULASKI COUNTY, ARKANSAS

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811 Know what's below. Call before you dig.

REVISIONS

REV	DATE	DESCRIPTION

MISCELLANEOUS DETAILS

DESIGNED BY: BB	DRAWN BY : JAM
DATE: JUNE 2020	REVISION:
SCALE: N.T.S.	JOB NUMBER: 20-5776

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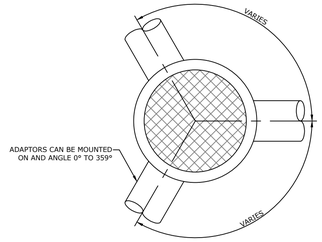
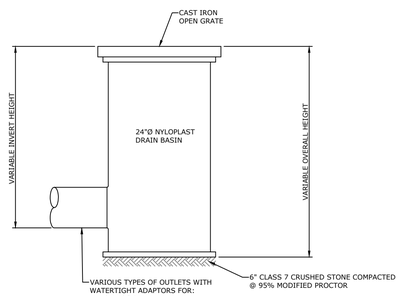
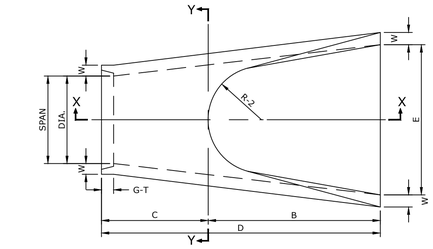


PLAN



25O YARD DRAIN DETAIL

NTS



PLAN

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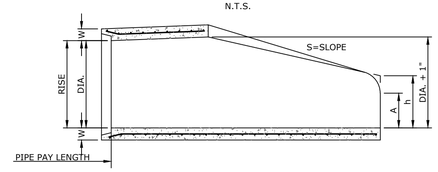

SECTION X-X

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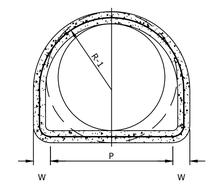

SECTION Y-Y

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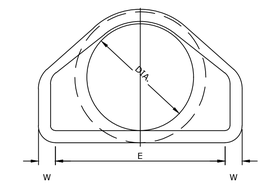


END VIEW

N.T.S.

NOTE: TONGUE END ON UPSTREAM SECTION
GROOVED END ON DOWNSTREAM SECTION

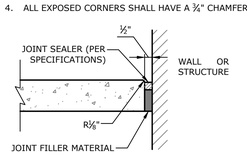
32H END SECTION FOR REINFORCED CONCRETE PIPE CULVERTS

NTS

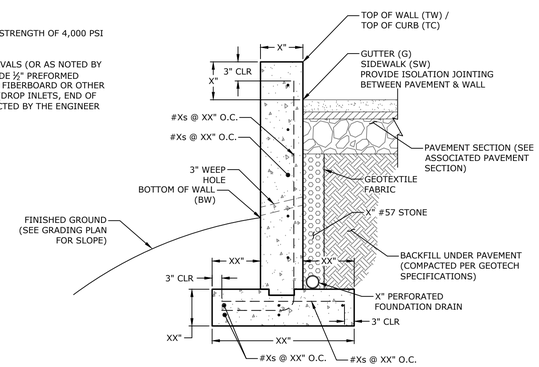
TABLE OF DIMENSIONS

DIA.	WALL	A	B	C	D	E	S	DIA.+1"	P	R-1	R-2	G-T	WT.	h
12"	2"	4"	2'-0"	4'-1"	6'-1"	2'-0"	2.2:1	13"			9"		530	
18"	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	3:1	19"	29"	15 1/2"	12"	2"	1000	1'-0 1/2"
24"	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3:1	25"	33 3/16"	16 13/16"	14"	2 1/2"	1600	1'-1 1/2"
30"	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3:1	31"	37"	18 1/2"	15"	3 1/4"	1940	1'-4 5/8"
36"	4"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	3:1	37"	47 13/16"	24 5/16"	20"	3 1/2"	4100	1'-8"
42"	4 1/2"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	3:1	43"	53 7/8"	27 1/2"	22"	3 1/2"	5380	2'-2 1/2"
48"	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	3:1	49"	56 1/2"	28 1/2"	22"	3 1/2"	6550	2'-6"
54"	5 1/2"	2'-4"	6'-6"	1'-10"	8'-4"	7'-6"	3:1	55"	65 1/2"	33 1/8"	24"	4"	8750	2'-10 1/2"
60"	6"	2'-10"	6'-6"	1'-10"	8'-4"	8'-0"	3:1	61"	72 1/2"	36 11/16"	24"	4"	9270	3'-5"
72"	7"	3'-10"	6'-6"	1'-10"	8'-4"	9'-0"	3:1	73"	77 13/16"	38 15/16"	24"	5"	13250	4'-6"

NOTES:
1. CONCRETE SHALL BE CLASS A WITH A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS (MIN).
2. REBAR SHALL BE OF GRADE 60 DEFORMED BARS.
3. EXPANSION JOINTING SHALL BE PLACED AT 25' INTERVALS (OR AS NOTED BY STRUCTURAL ENGINEER). CONTRACTOR SHALL PROVIDE ½" PREFORMED ISOLATION JOINT MATERIAL (ASPHALT IMPREGNATED FIBERBOARD OR OTHER APPROVED MATERIAL) AT STATIONARY STRUCTURES (DROP INLETS, END OF CURBS, DRIVEWAYS, ETC. - SEE DETAIL) OR AS DIRECTED BY THE ENGINEER OF RECORD.
4. ALL EXPOSED CORNERS SHALL HAVE A ¾" CHAMFER.

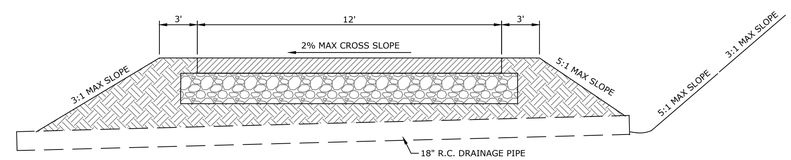


ISOLATION JOINT



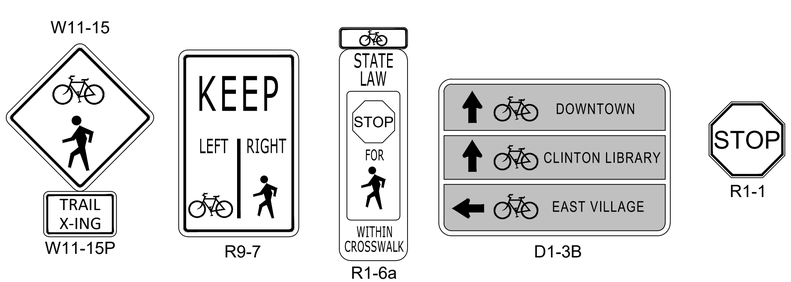
25H RETAINING WALL

NTS



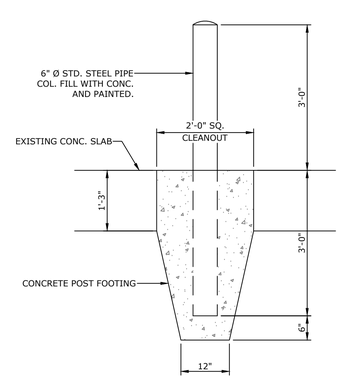
25N CROSS DRAIN (TYPICAL)

NTS



24R TRAIL SIGN DETAILS

NTS



25B BOLLARD DETAIL

NTS

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SOUTHEAST TRAIL - PHASE 1
PULASKI COUNTY, ARKANSAS

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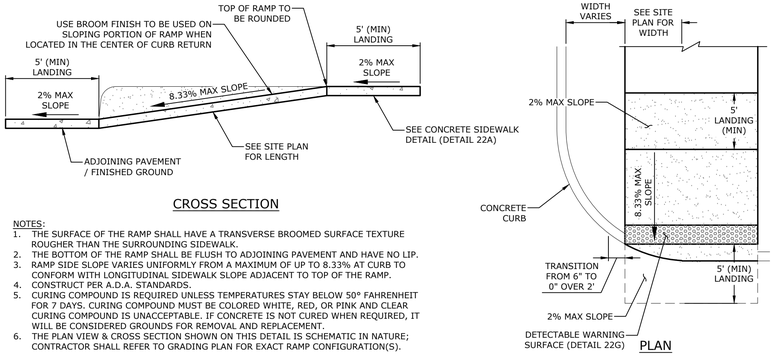
REVISIONS

REV	DATE	DESCRIPTION

MISCELLANEOUS DETAILS

DESIGNED BY: BB	DRAWN BY : JAM
DATE: JUNE 2020	REVISION:
SCALE: N.T.S.	JOB NUMBER: 20-5776

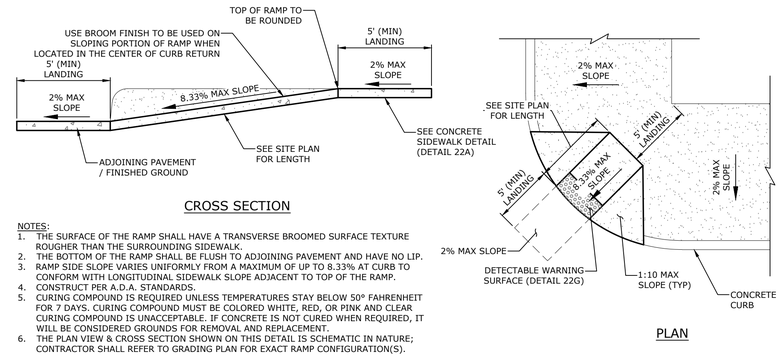
W:\2020\20-5776 Southeast Trail, Pulaski County\Design Drawings\Civil\20-5776-MD1.dwg, PRINTED ON: August 21, 2020 @ 3:41 PM



NOTES:
1. THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. THE BOTTOM OF THE RAMP SHALL BE FLUSH TO ADJOINING PAVEMENT AND HAVE NO LIP.
3. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 8.33% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
4. CONSTRUCT PER A.D.A. STANDARDS.
5. CURING COMPOUND IS REQUIRED UNLESS TEMPERATURES STAY BELOW 50° FAHRENHEIT FOR 7 DAYS. CURING COMPOUND MUST BE COLORED WHITE, RED, OR PINK AND CLEAR CURING COMPOUND IS UNACCEPTABLE. IF CONCRETE IS NOT CURED WHEN REQUIRED, IT WILL BE CONSIDERED GROUNDS FOR REMOVAL AND REPLACEMENT.
6. THE PLAN VIEW & CROSS SECTION SHOWN ON THIS DETAIL IS SCHEMATIC IN NATURE; CONTRACTOR SHALL REFER TO GRADING PLAN FOR EXACT RAMP CONFIGURATION(S).

22D PEDESTRIAN RAMP (PERPENDICULAR)

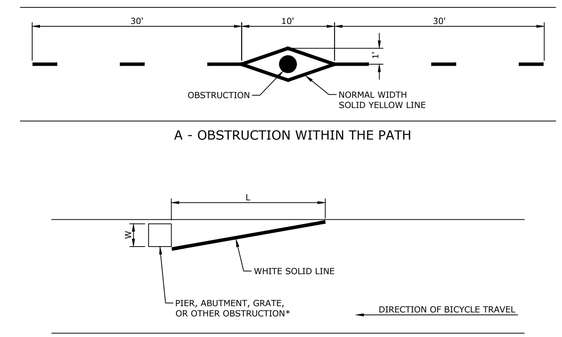
NTS



NOTES:
1. THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. THE BOTTOM OF THE RAMP SHALL BE FLUSH TO ADJOINING PAVEMENT AND HAVE NO LIP.
3. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 8.33% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
4. CONSTRUCT PER A.D.A. STANDARDS.
5. CURING COMPOUND IS REQUIRED UNLESS TEMPERATURES STAY BELOW 50° FAHRENHEIT FOR 7 DAYS. CURING COMPOUND MUST BE COLORED WHITE, RED, OR PINK AND CLEAR CURING COMPOUND IS UNACCEPTABLE. IF CONCRETE IS NOT CURED WHEN REQUIRED, IT WILL BE CONSIDERED GROUNDS FOR REMOVAL AND REPLACEMENT.
6. THE PLAN VIEW & CROSS SECTION SHOWN ON THIS DETAIL IS SCHEMATIC IN NATURE; CONTRACTOR SHALL REFER TO GRADING PLAN FOR EXACT RAMP CONFIGURATION(S).

22E PEDESTRIAN RAMP (CURB RETURN)

NTS



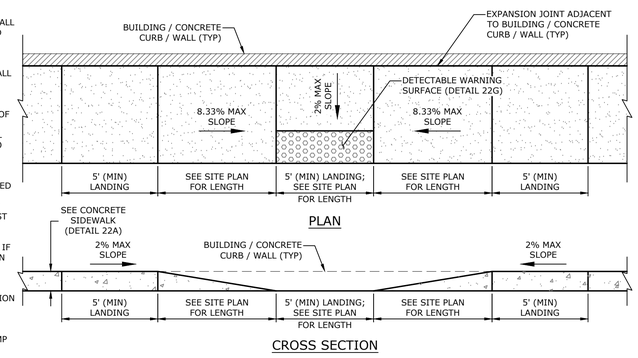
L = WS, WHERE W IS THE OFFSET IN FEET AND S IS BICYCLE APPROACH SPEED IN MPH

*PROVIDE AN ADDITIONAL FOOT OF OFFSET FOR A REAISED OBSTRUCTION AND USE THE FORMULA L = (W+1) S FOR THE TAPER LENGTH

21H OBSTRUCTION PAVEMENT MARKINGS DETAIL

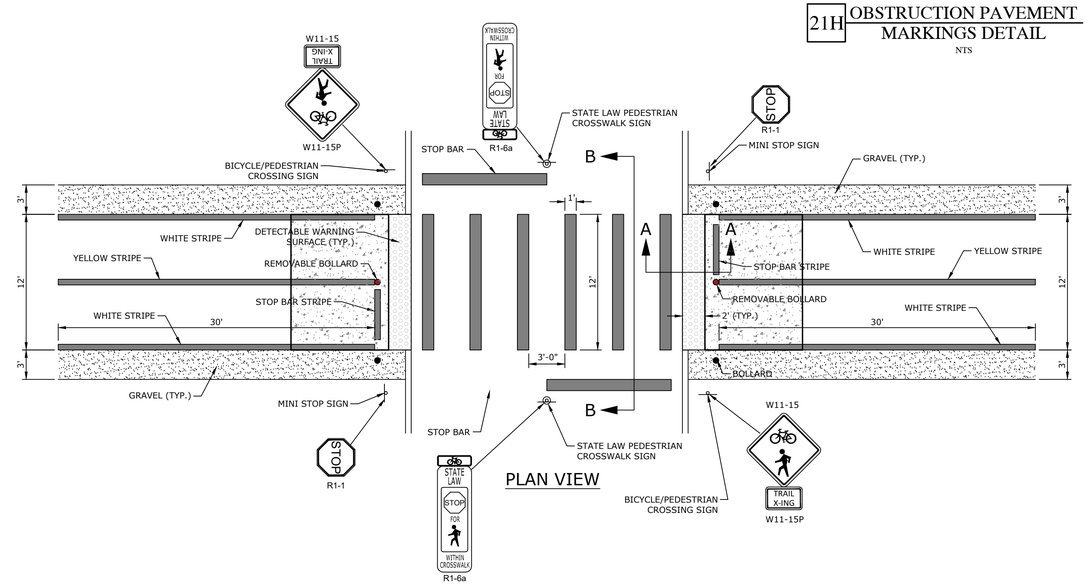
NTS

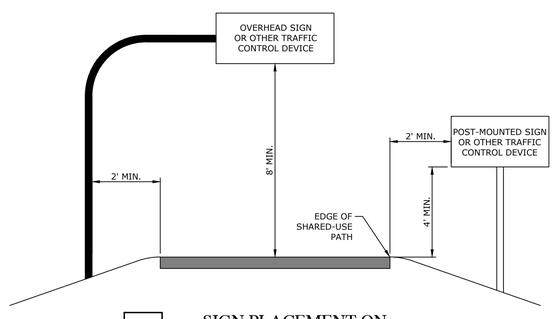
NOTES:
1. THE SURFACE OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. THE BOTTOM OF THE RAMP SHALL BE FLUSH TO ADJOINING PAVEMENT AND HAVE NO LIP.
3. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 8.33% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
4. CONSTRUCT PER A.D.A. STANDARDS.
5. CURING COMPOUND IS REQUIRED UNLESS TEMPERATURES STAY BELOW 50° FAHRENHEIT FOR 7 DAYS. CURING COMPOUND MUST BE COLORED WHITE, RED, OR PINK AND CLEAR CURING COMPOUND IS UNACCEPTABLE. IF CONCRETE IS NOT CURED WHEN REQUIRED, IT WILL BE CONSIDERED GROUNDS FOR REMOVAL AND REPLACEMENT.
6. THE PLAN VIEW & CROSS SECTION SHOWN ON THIS DETAIL IS SCHEMATIC IN NATURE; CONTRACTOR SHALL REFER TO GRADING PLAN FOR EXACT RAMP CONFIGURATION(S).



22F PEDESTRIAN RAMP (PARALLEL)

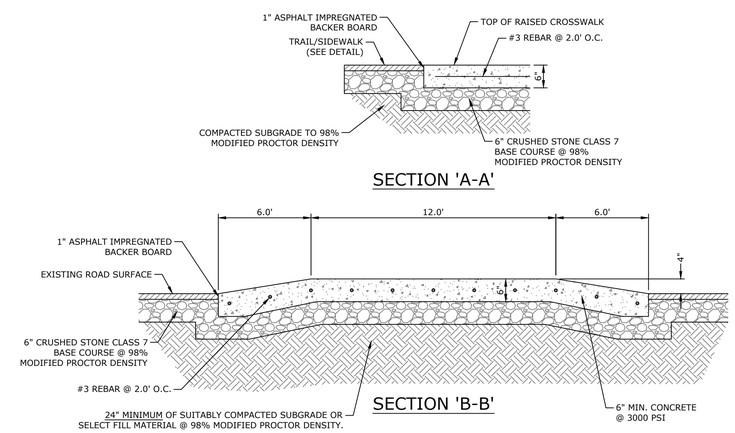
NTS





24Q SIGN PLACEMENT ON SHARED-USE PATHS DETAIL

NTS



22K RAISED MIXED USE CROSSWALK DETAIL

NTS

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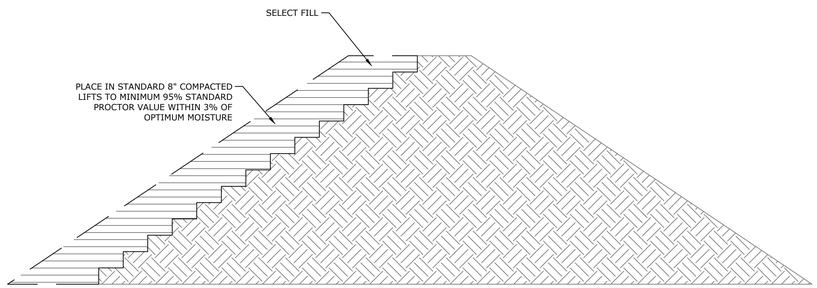

?? TYPICAL LEVEE REPAIR - FILL PLACEMEN
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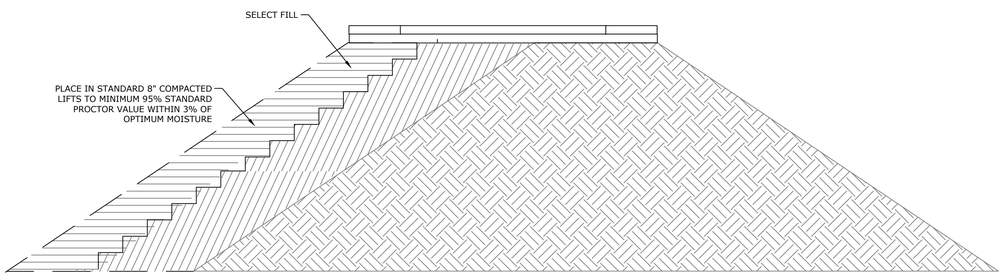

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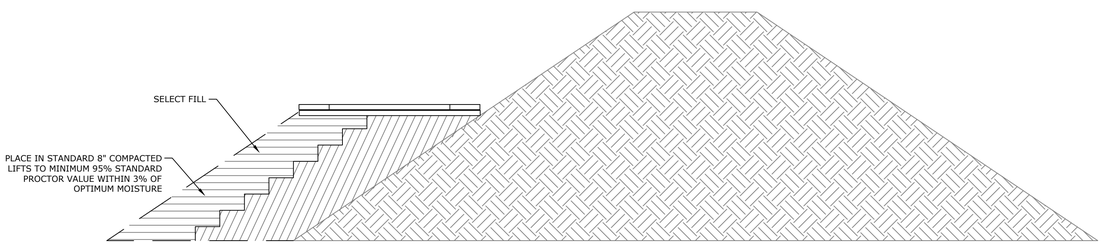

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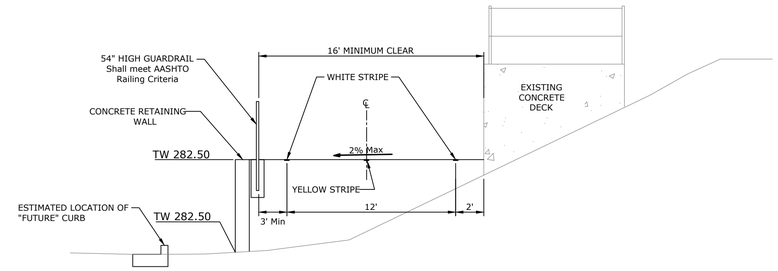

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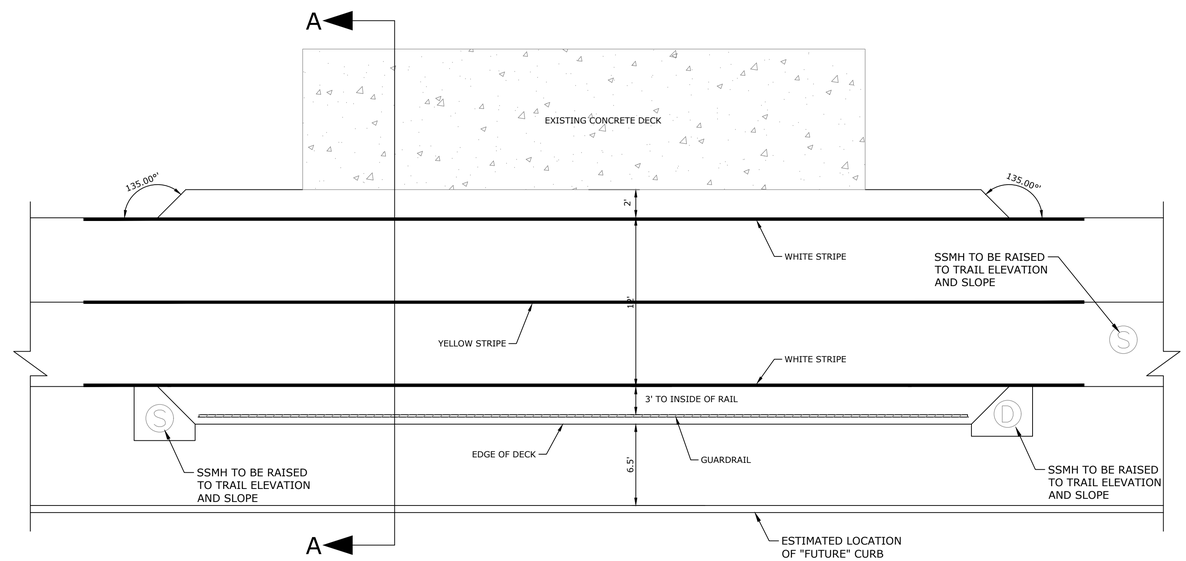

PLAN

?? PUMP HOUSE DETAIL
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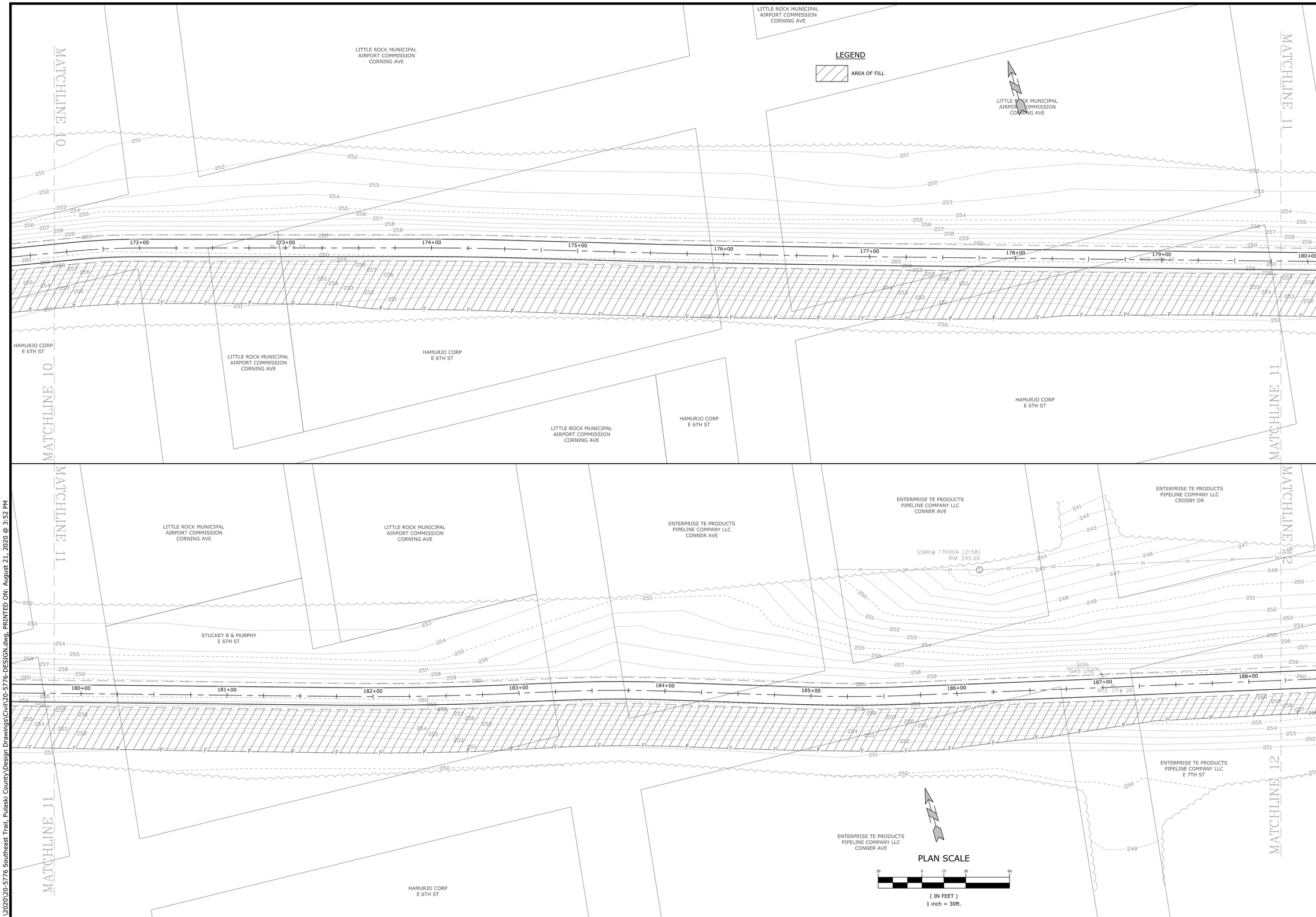

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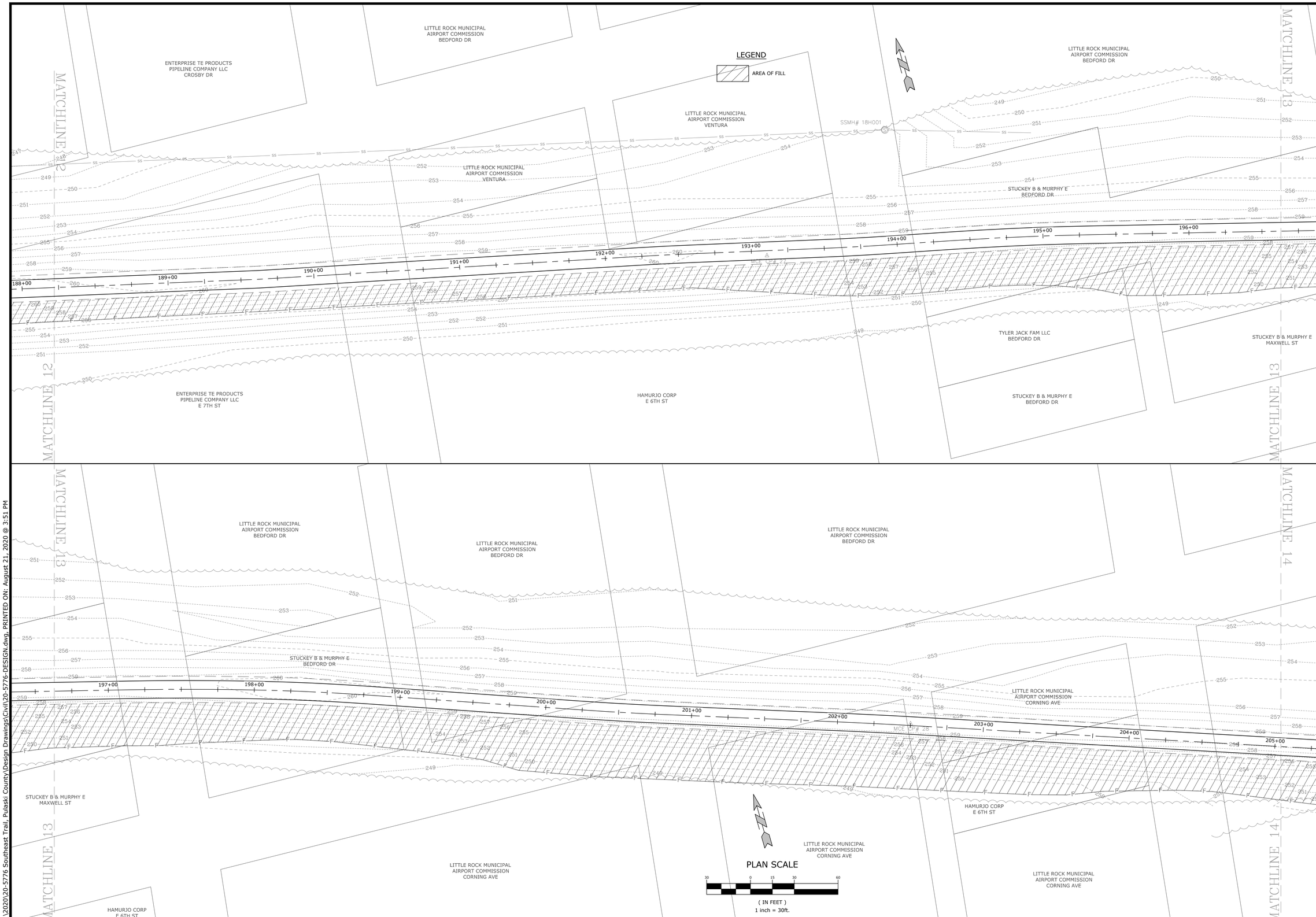

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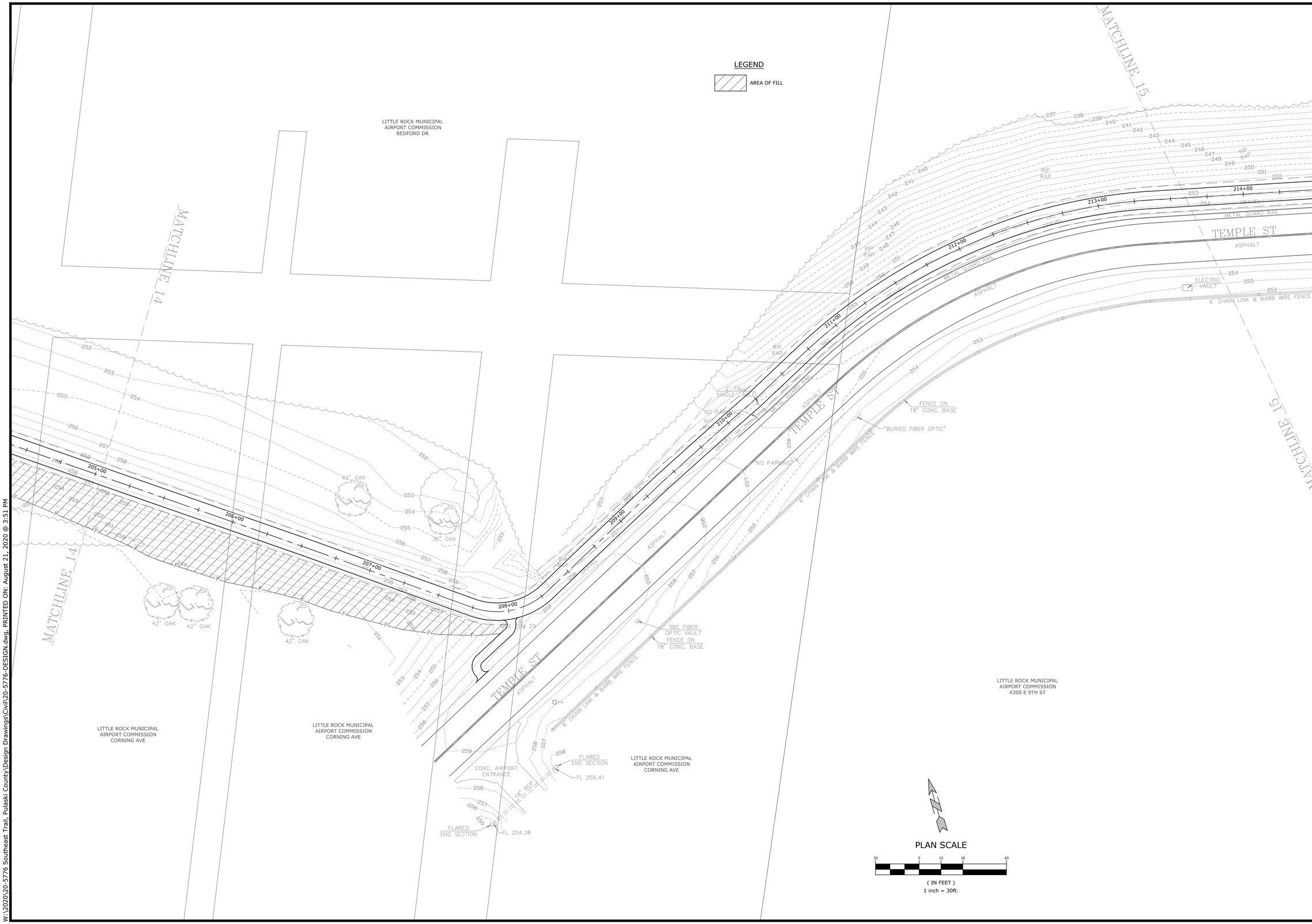

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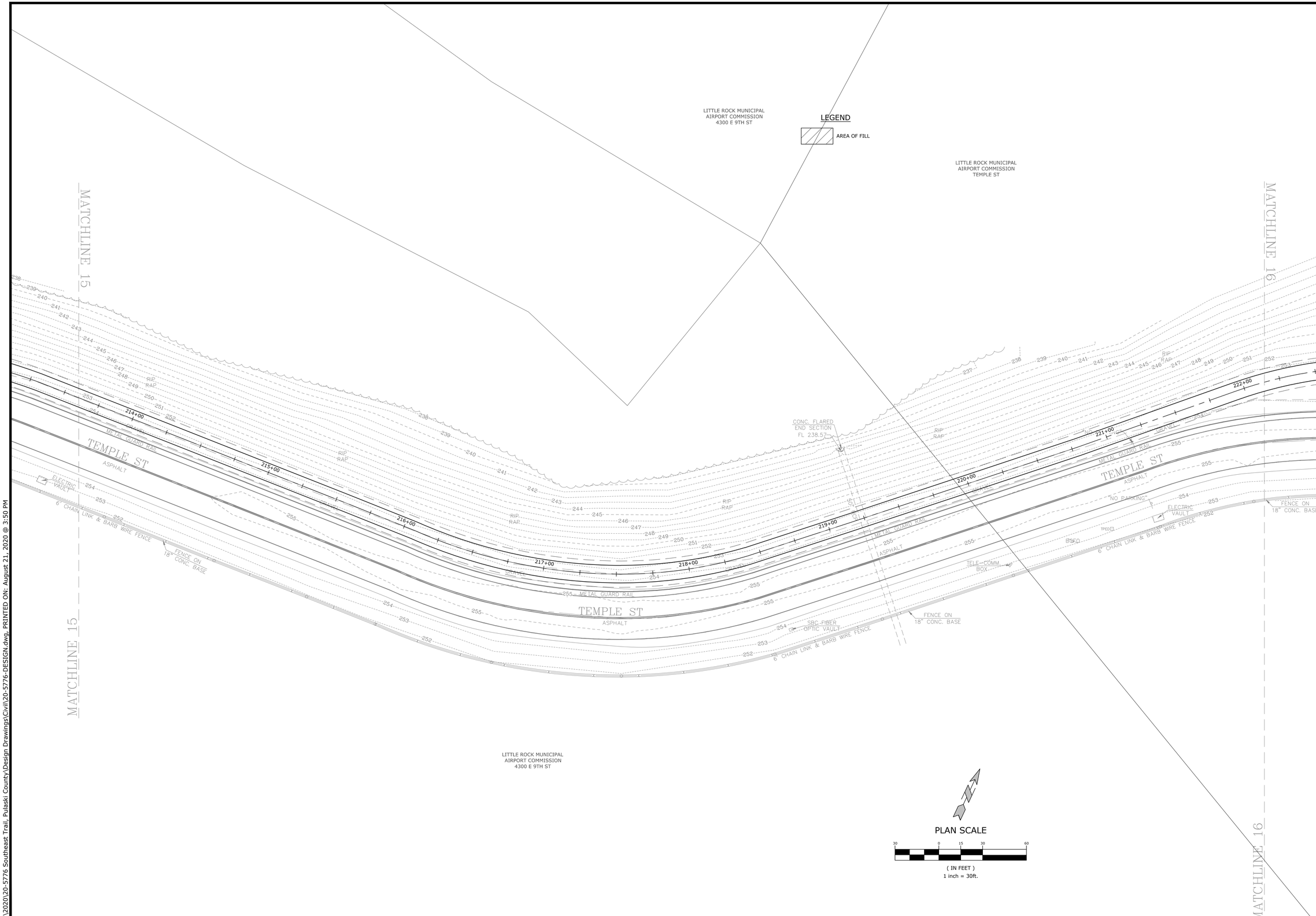

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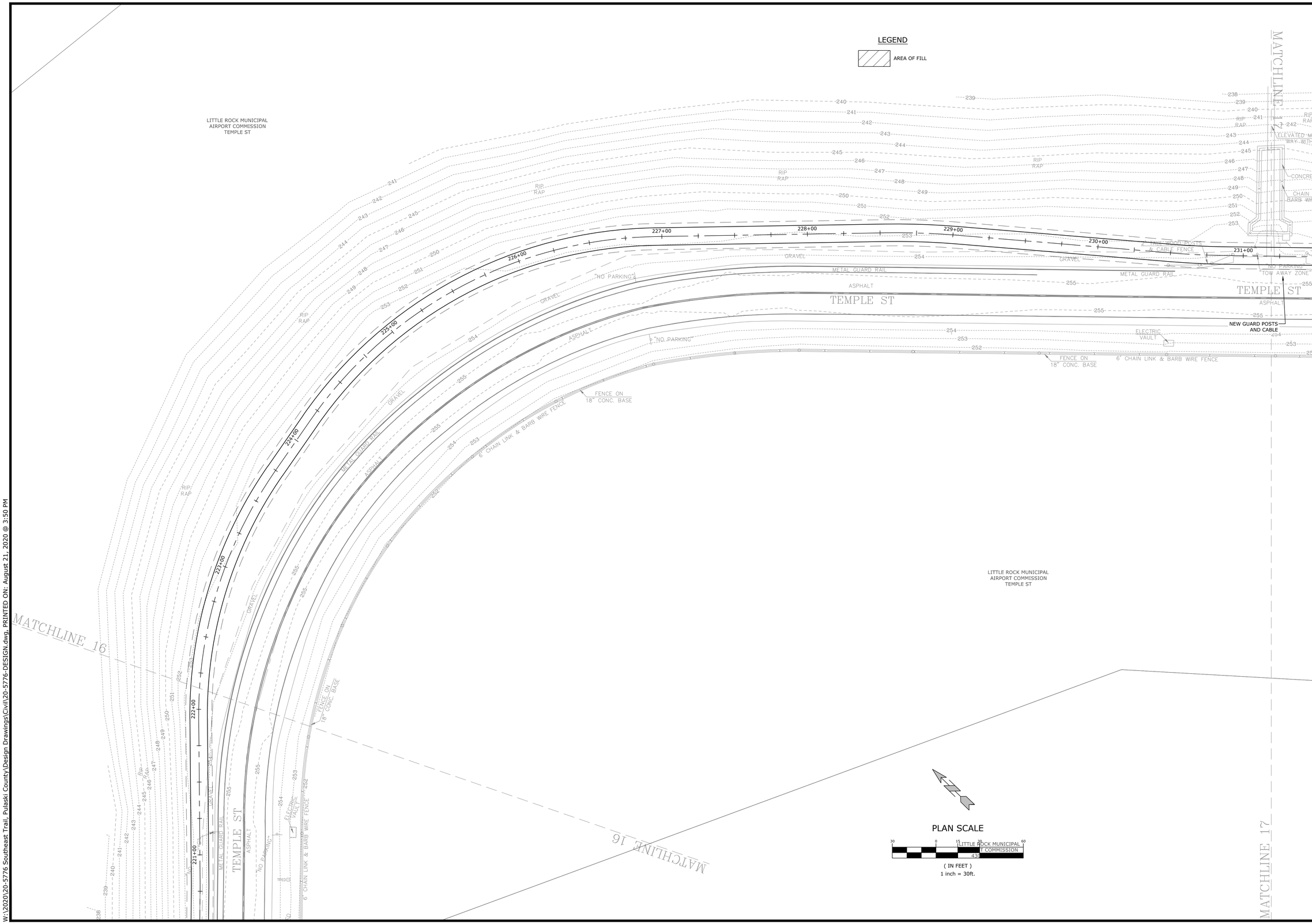

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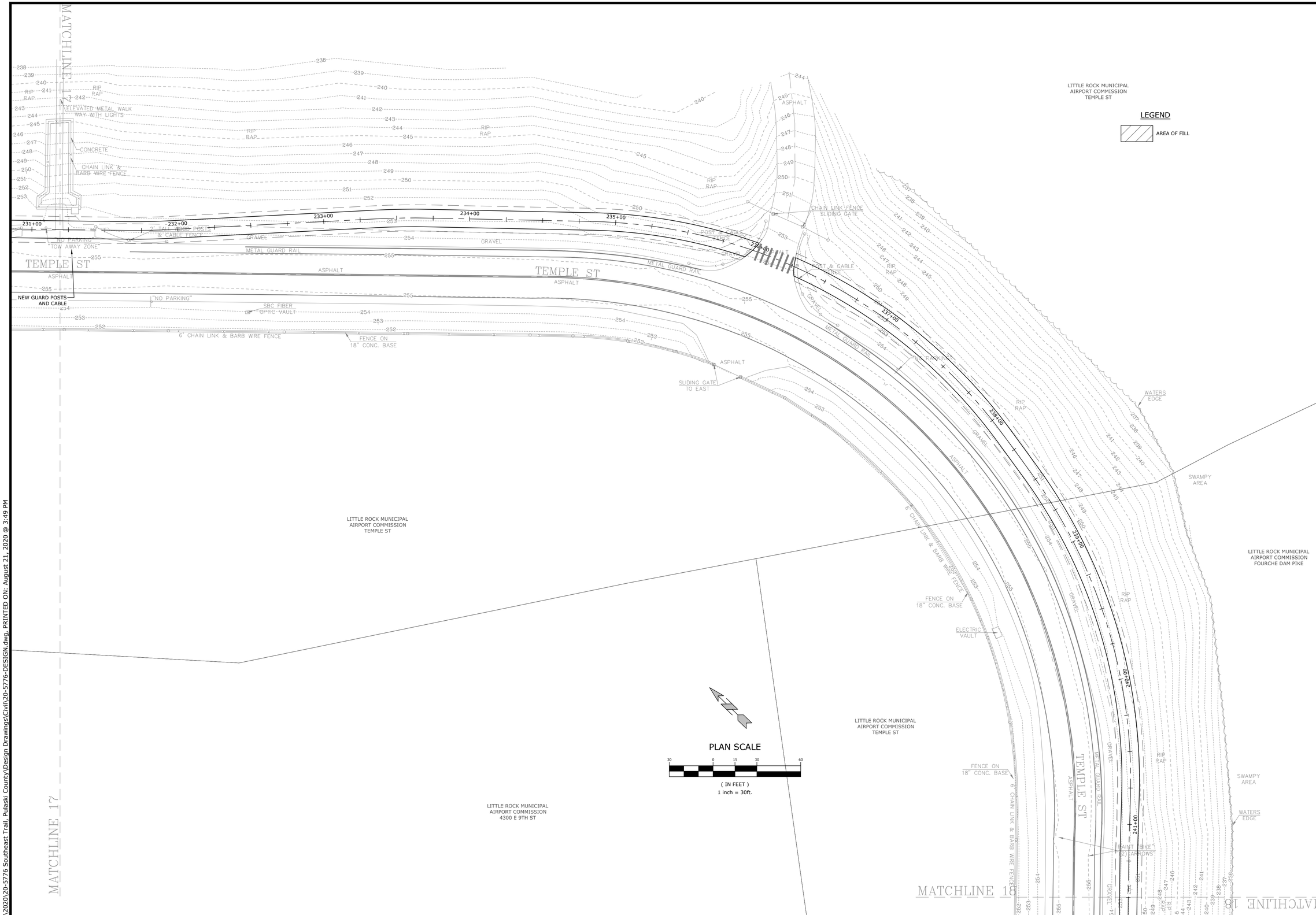

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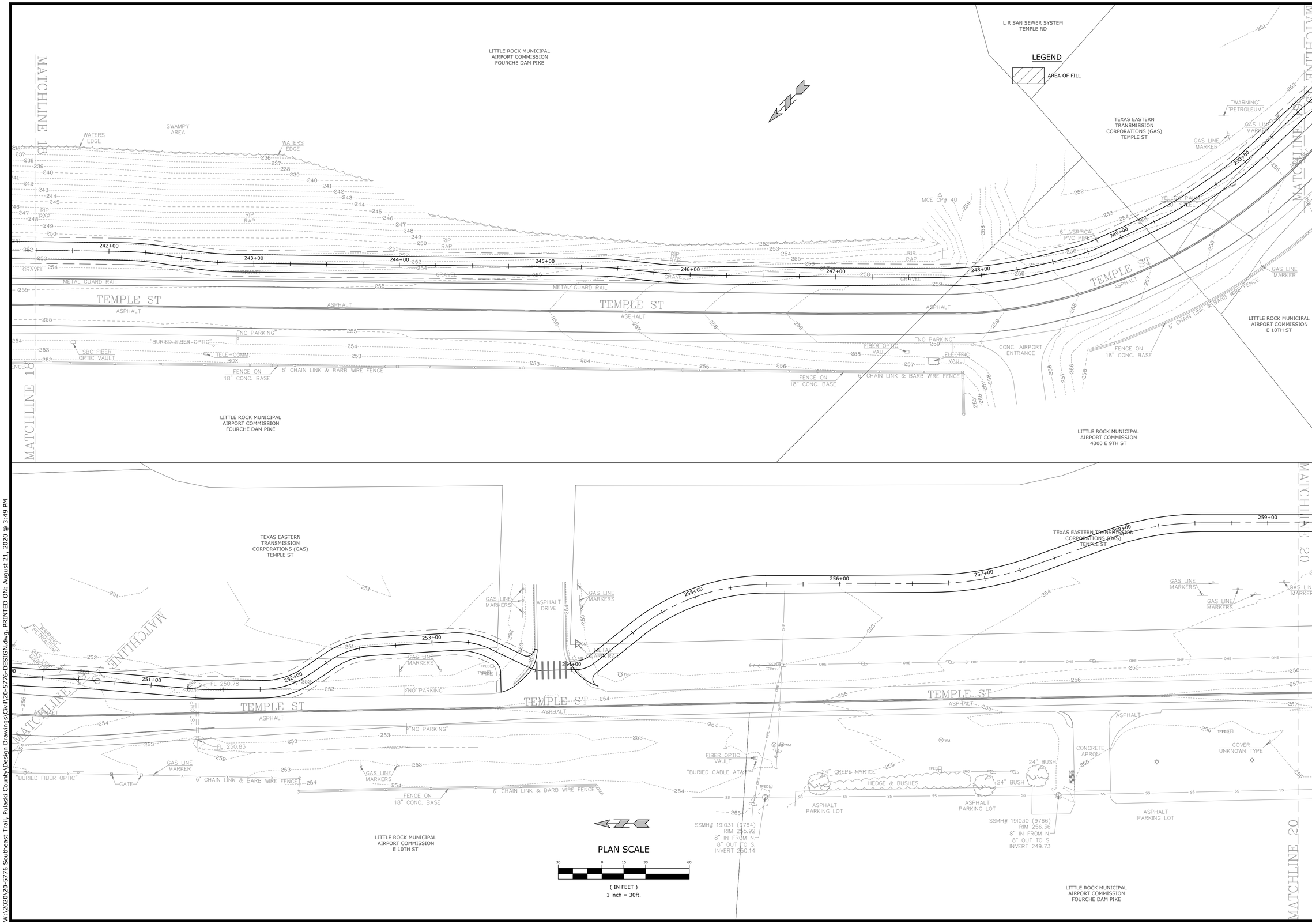

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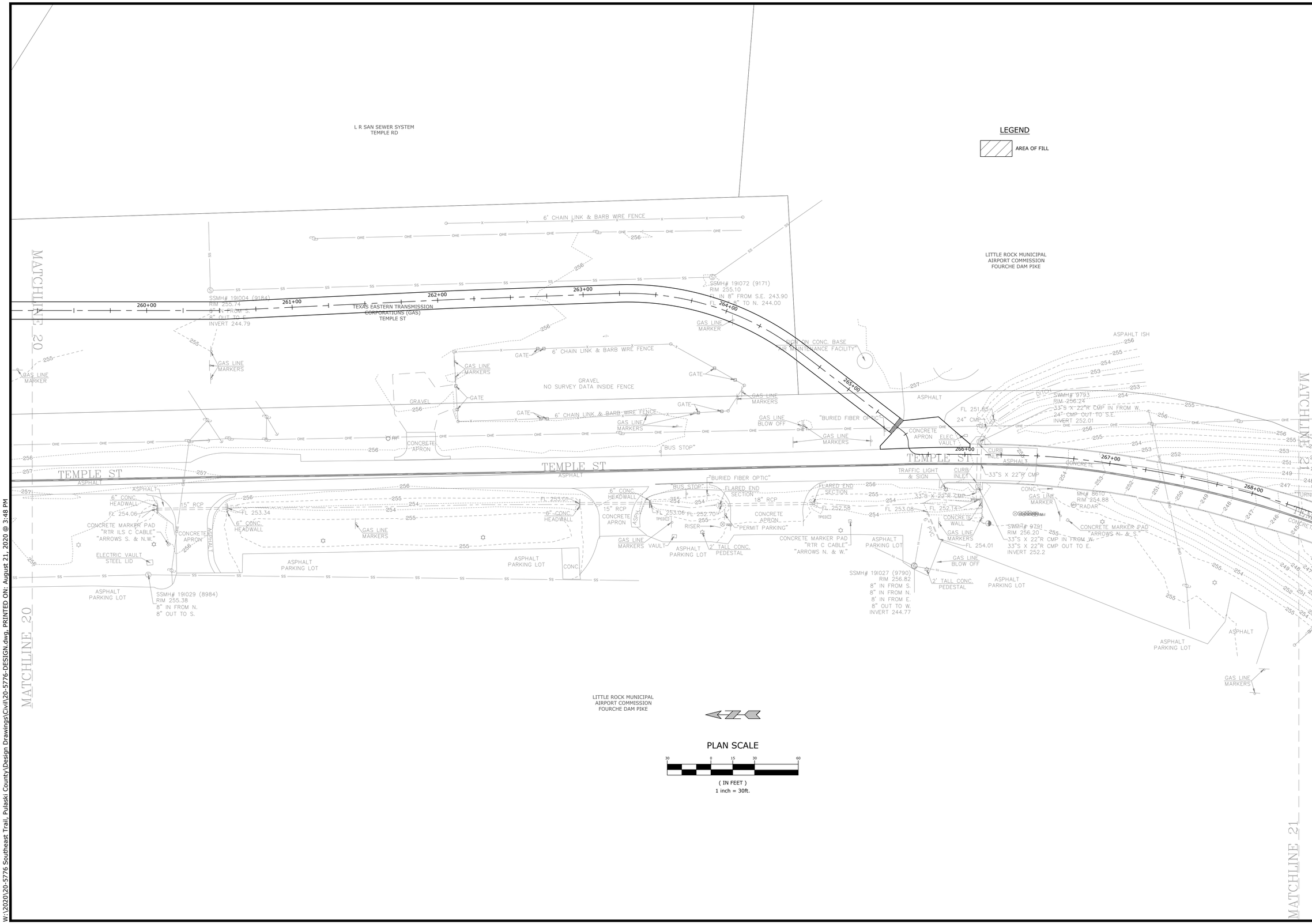

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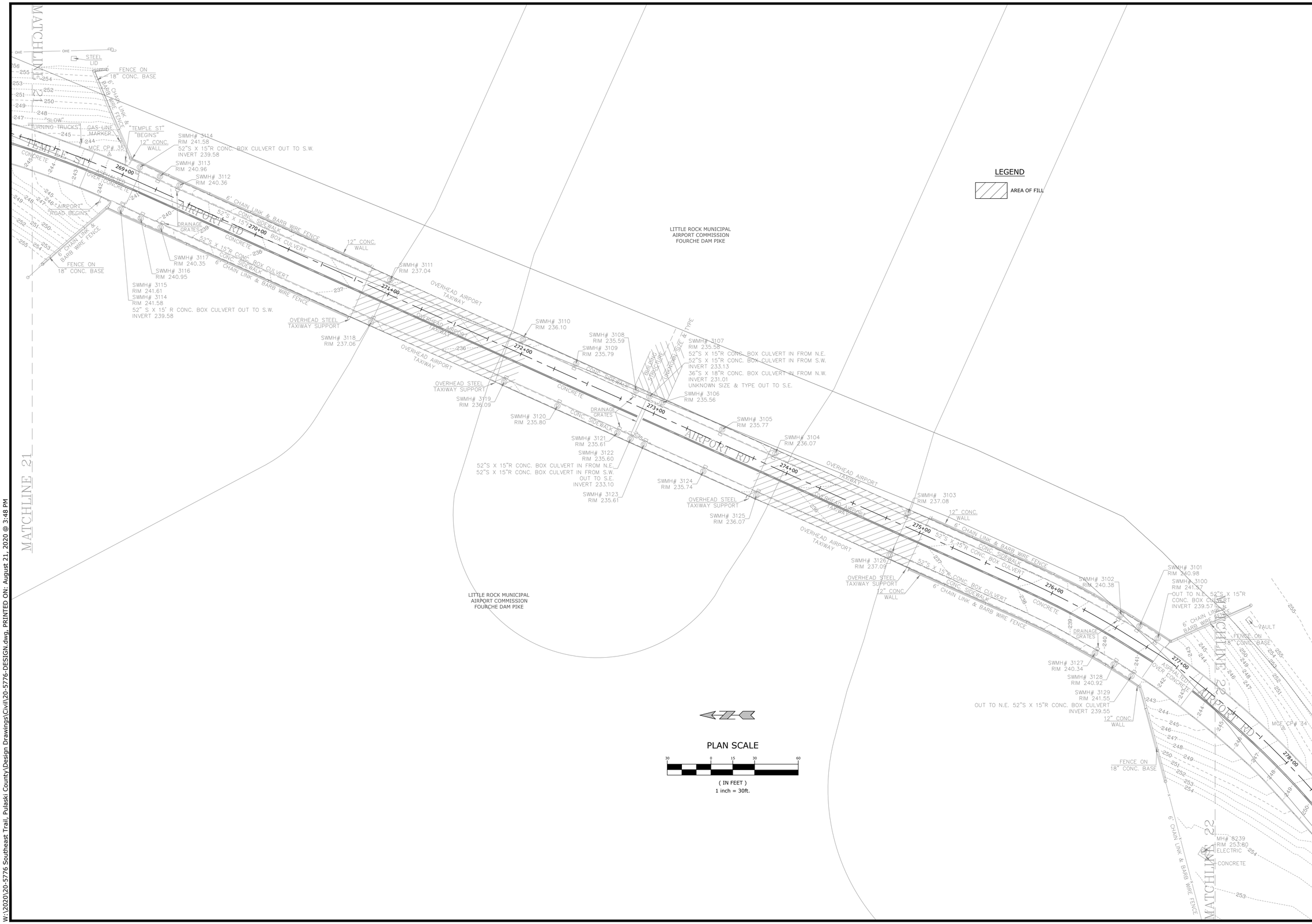

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