

Tower Street Reconstruction

for

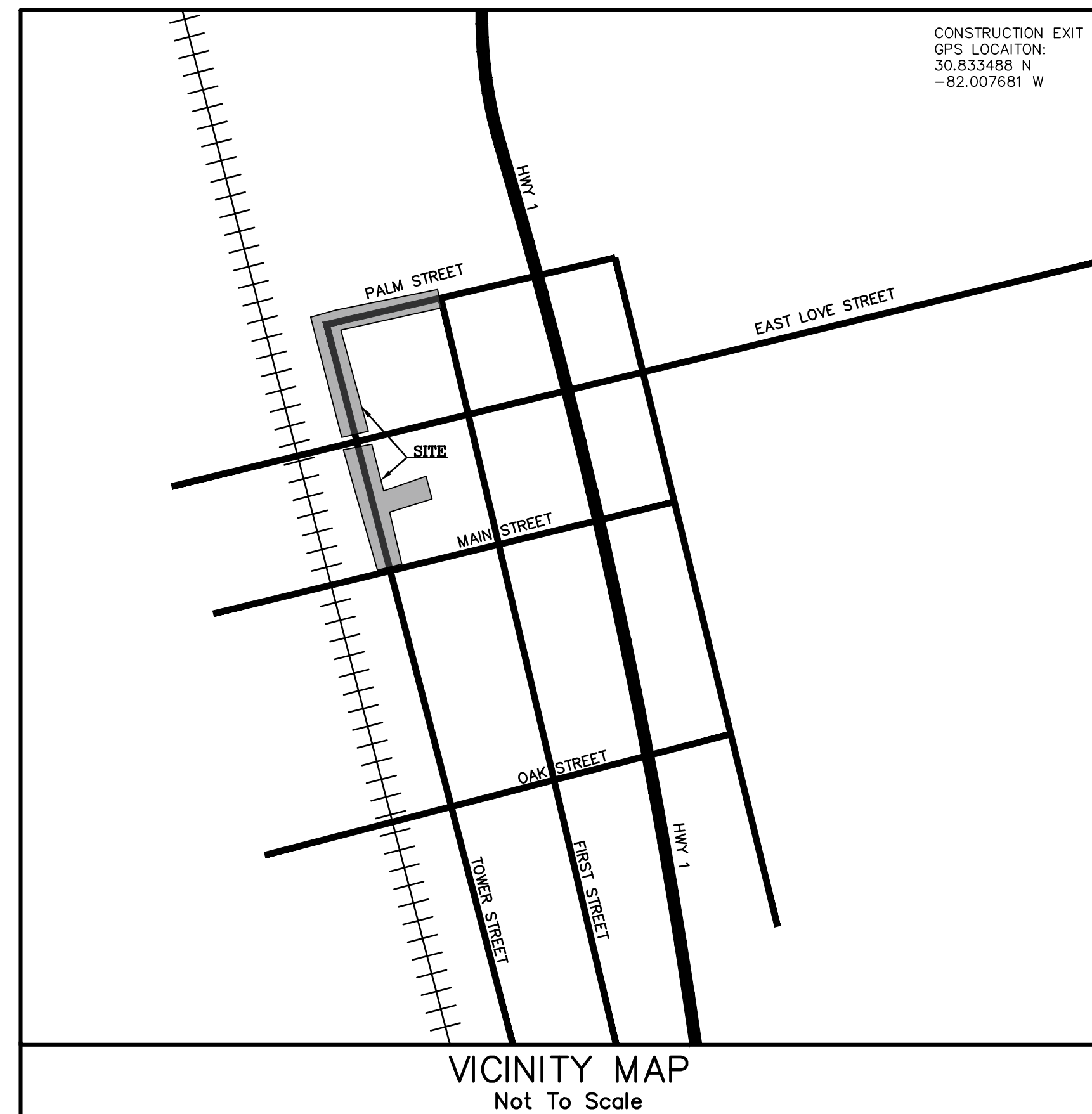
The City of Folkston

Charlton County, Georgia

Date: August 19, 2019

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GENERAL NOTES

- ALL EXISTING UTILITIES SHOWN ARE LOCATED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES. OVERHEAD LINES ARE NOT SHOWN FOR CLARITY.
- ALL DISTURBED AREAS TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
- ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL GUCC, CURRENT EDITION.

OWNER/AGENT

THE CITY OF FOLKSTON
 CONTACT: PENDER LLOYD
 541 FIRST STREET
 FOLKSTON, GA 31537
 TEL: (912) 496-2563



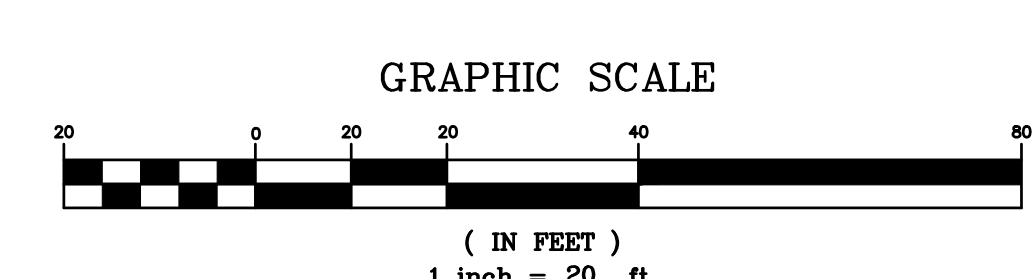
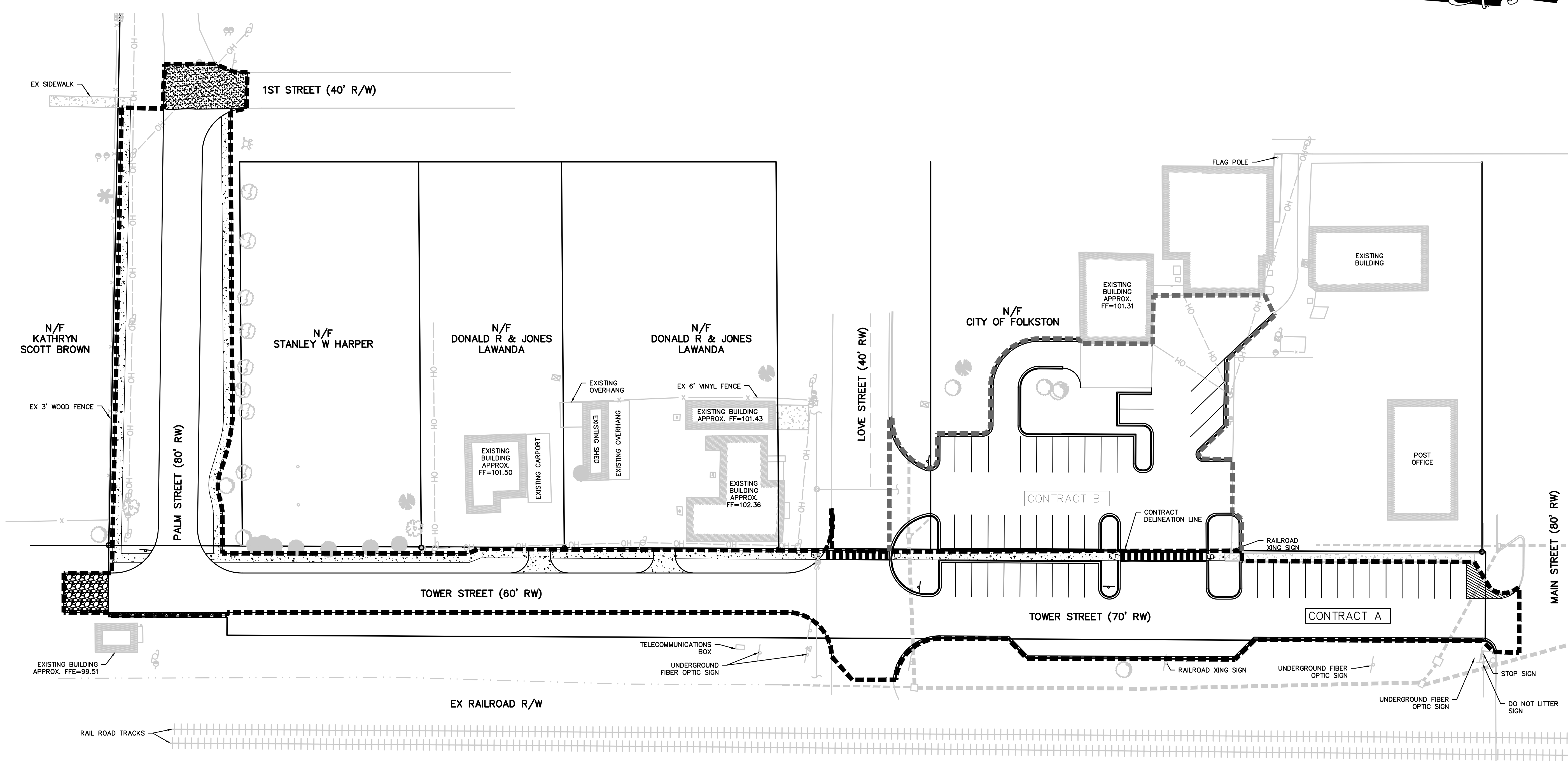
DRAWING LEGEND		
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER	—SS—	—SS—
UNDERGROUND WATER LINE	—W—	—W—
FORCE MAIN	—FM—	—FM—
STORM DRAINAGE PIPE	—SD—	—SD—
UNDERGROUND TELEPHONE LINE	—T—	—T—
UNDERGROUND TELEPHONE CONDUIT	—TC—	—TC—
UNDERGROUND GAS LINE	—12" G—	—12" G—
DITCH CENTERLINE	—DC—	—DC—
SPOT ELEVATION	X=90.00	X=90.00
TOP OF CURB ELEVATION	TC=90.00	TC=90.00
FIRE HYDRANT	⊗	⊗
SEWER MANHOLE	⊗	⊗
WATER VALVE	⊗	⊗
TELEPHONE MANHOLE	⊗	⊗
LIGHT POLE	⊗	⊗
SIGN	⊗	⊗
WATER METER	⊗	⊗
BENCHMARK	⊗	⊗
CONCRETE MONUMENT FOUND	⊗	⊗
GUY POLE	⊗	⊗
IRON PIN FOUND	⊗	⊗
IRON PIN SET	⊗	⊗
TELEPHONE PEDESTAL	⊗	⊗
POWER POLE	⊗	⊗
HANDICAP SPACE	⊗	⊗
SEDIMENT BASIN MARKER W/NOTCH	⊗	⊗



Know what's below.
 Call before you dig.

JOB NO. 2019-120PRJ

REVISION NO.	DATE	DESCRIPTION
1.	1/2/2020	GSWCC COMMENTS
2.	2/20/2020	GSWCC COMMENTS
3.	3/16/2020	GSWCC COMMENTS



DRAWING COMPLETED BY: ELLIOTT WILSON

REVISED:



DATE: 4/8/2020

309 NORTH MAIN STREET
P.O. BOX 649
HINESVILLE, GA 31313
TEL: (912) 368-5212

P.C. Simonton & Associates, Inc.
Consulting Engineers

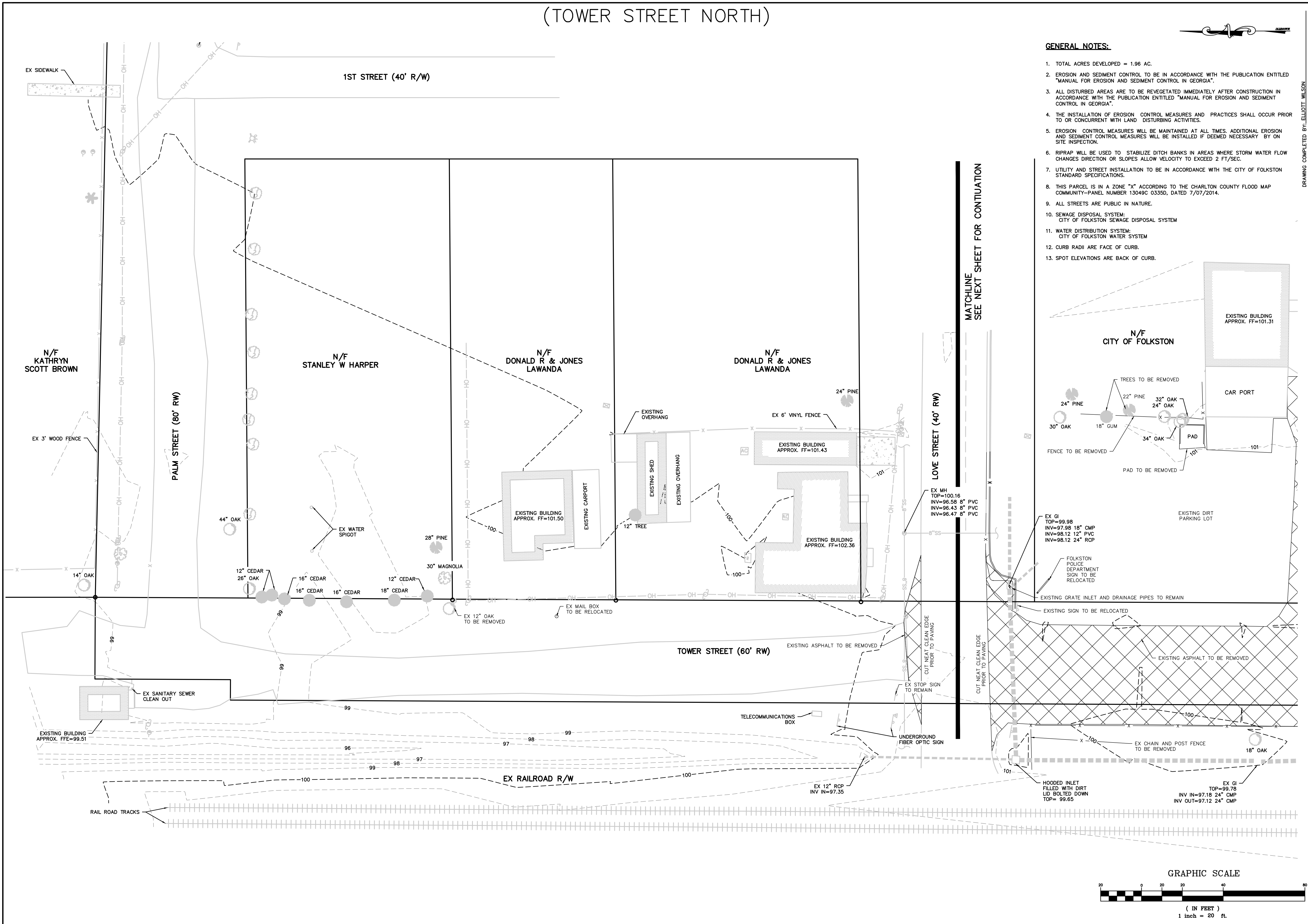


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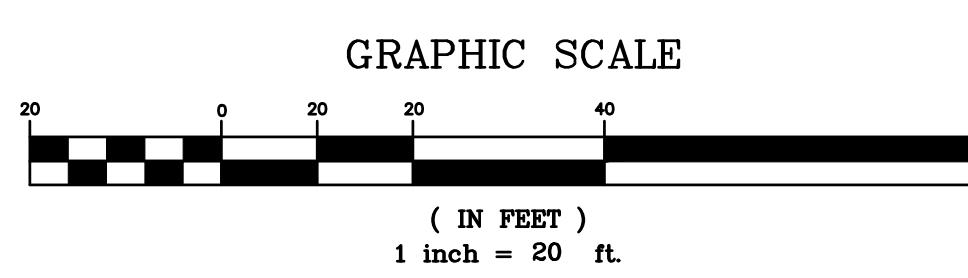
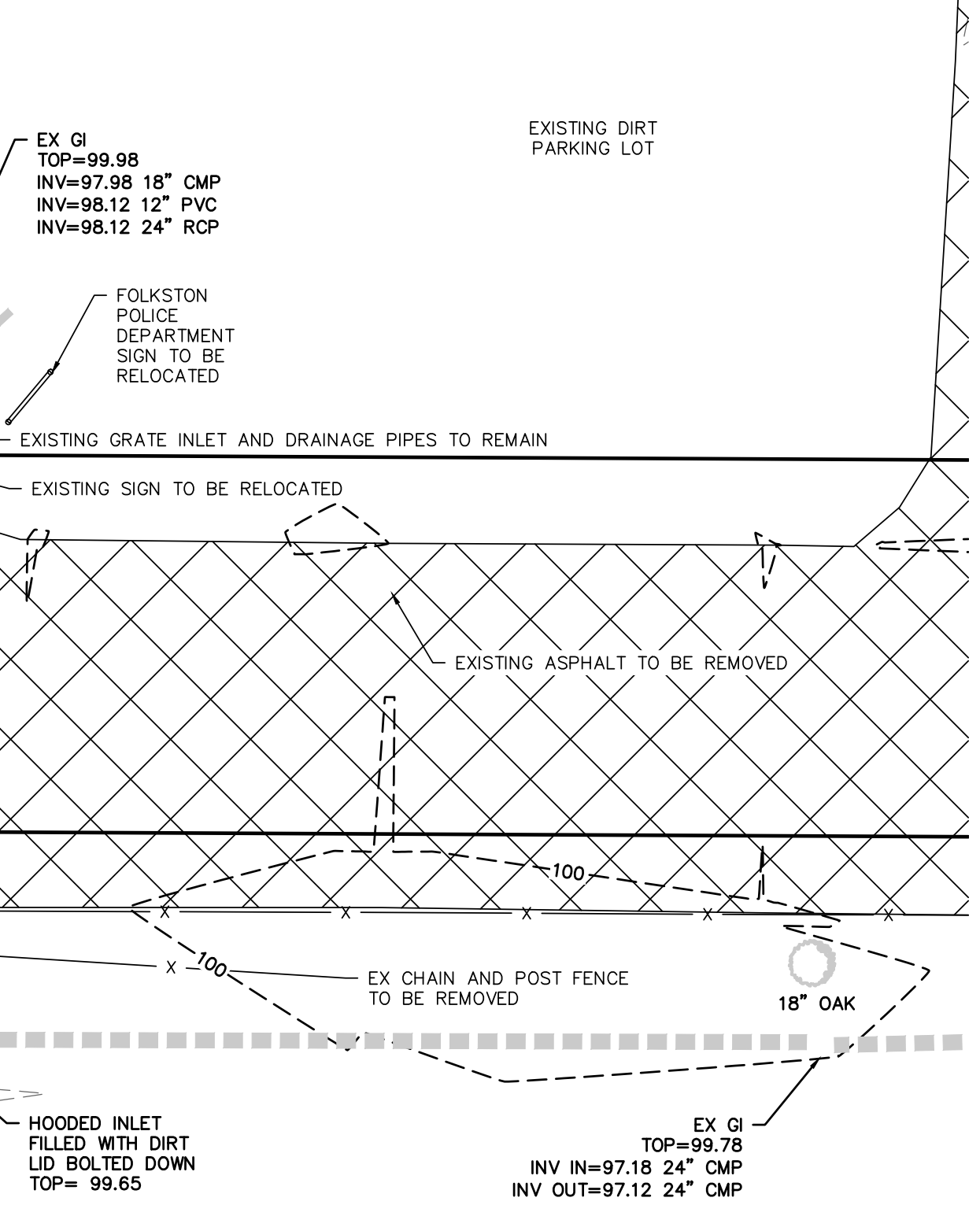
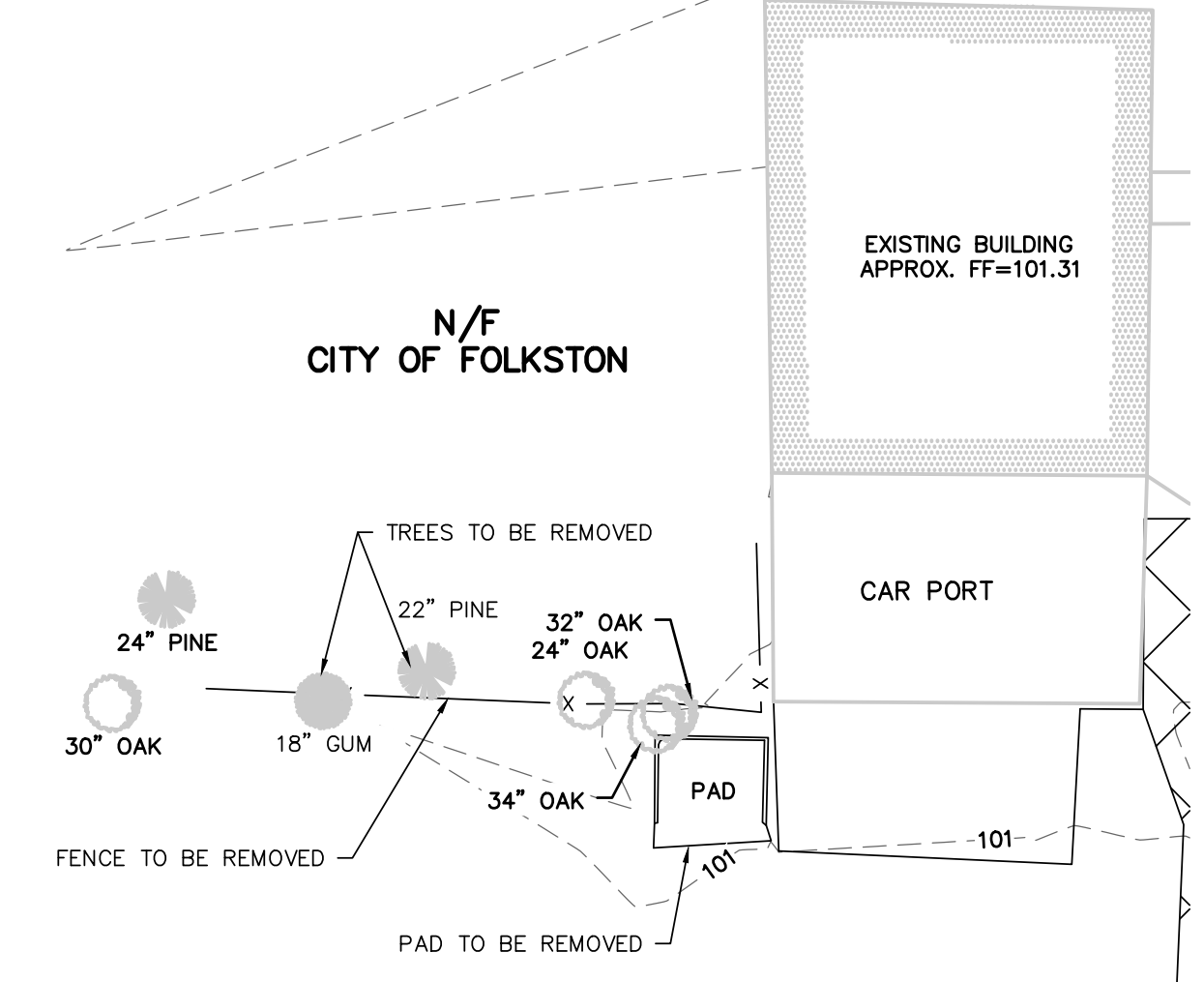
Overall Site Plan
DATE: AUGUST 19, 2019
FILE NO: 2019-120PRJ
SHEET: 1

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(TOWER STREET NORTH)



- GENERAL NOTES:**
- TOTAL ACRES DEVELOPED = 1.96 AC.
 - EROSION AND SEDIMENT CONTROL TO BE IN ACCORDANCE WITH THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
 - ALL DISTURBED AREAS ARE TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION IN ACCORDANCE WITH THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
 - THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
 - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
 - RIPRAP WILL BE USED TO STABILIZE DITCH BANKS IN AREAS WHERE STORM WATER FLOW CHANGES DIRECTION OR SLOPES ALLOW VELOCITY TO EXCEED 2 FT/SEC.
 - UTILITY AND STREET INSTALLATION TO BE IN ACCORDANCE WITH THE CITY OF FOLKSTON STANDARD SPECIFICATIONS.
 - THIS PARCEL IS IN A ZONE "X" ACCORDING TO THE CHARLTON COUNTY FLOOD MAP COMMUNITY-PANEL NUMBER 13049C 0335D, DATED 7/07/2014.
 - ALL STREETS ARE PUBLIC IN NATURE.
 - SEWAGE DISPOSAL SYSTEM:
CITY OF FOLKSTON SEWAGE DISPOSAL SYSTEM
 - WATER DISTRIBUTION SYSTEM:
CITY OF FOLKSTON WATER SYSTEM
 - CURB RADII ARE FACE OF CURB.
 - SPOT ELEVATIONS ARE BACK OF CURB.



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GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 44593
JORDAN VANDERMEER

DATE: 4/8/2020

309 NORTH MAIN STREET
P.O. BOX 649
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TEL: (912) 368-5212

1050 PARADISE COMMONS
SUITE 101
GREENSBORO, GA 30642
TEL: (706) 454-0870

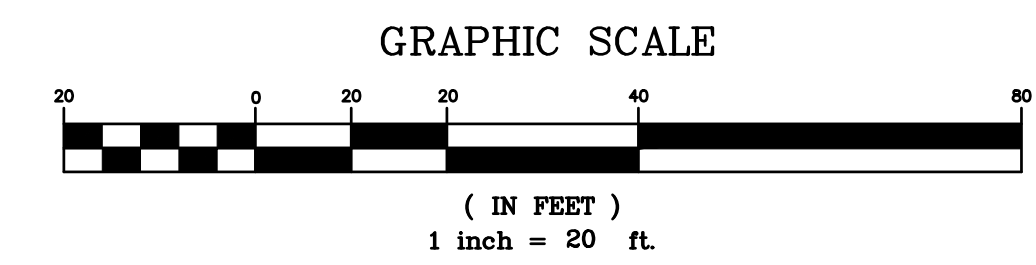
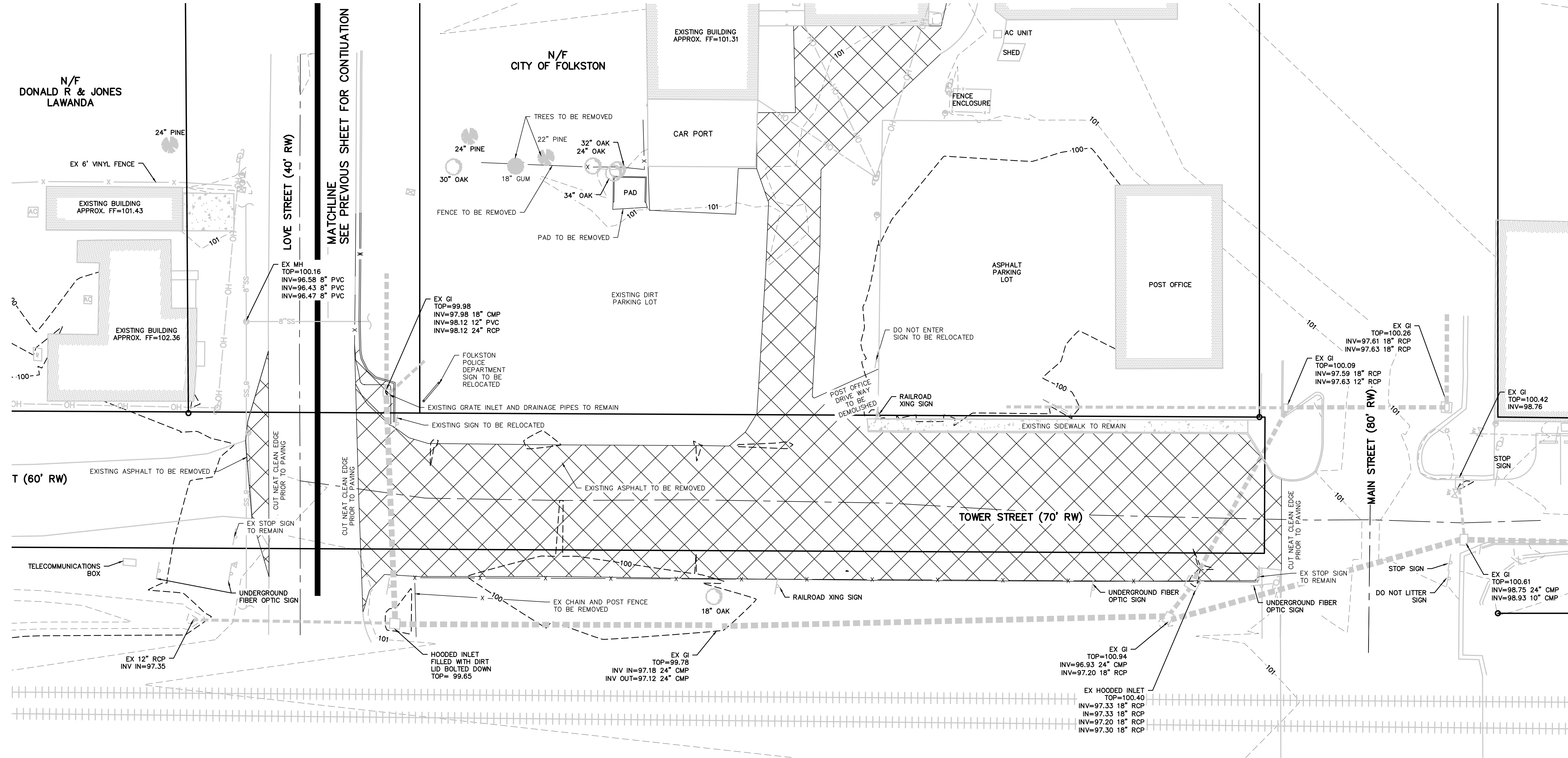
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Consulting Engineers

Tower Street Reconstruction
for
The City of Folkston
Charlton County, Georgia

Existing Conditions/
Demolition Plan

DATE: AUGUST 19, 2019
FILE NO: 2019-120PRJ
SHEET: 2

(TOWER STREET SOUTH)



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REVISED:



DATE: 4/8/2020

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 Consulting Engineers

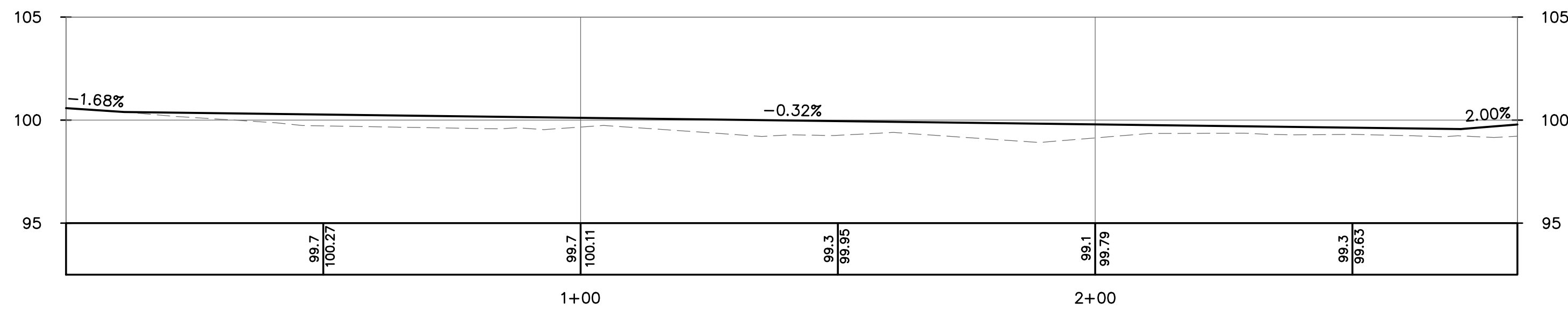
Tower Street Reconstruction
 for
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 Charlton County, Georgia

Existing Conditions/
 Demolition Plan

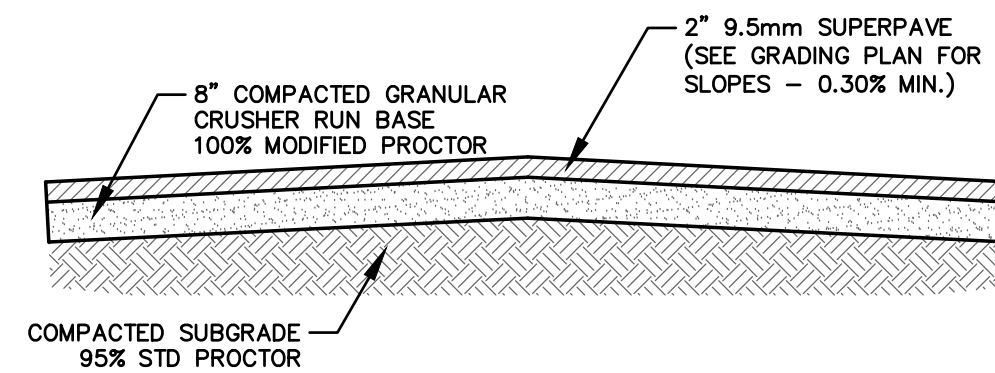
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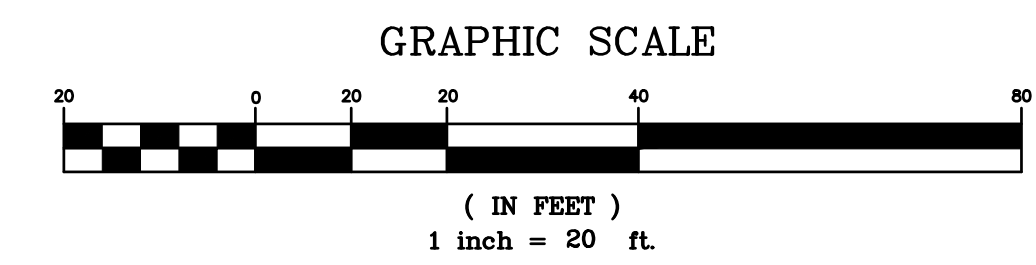
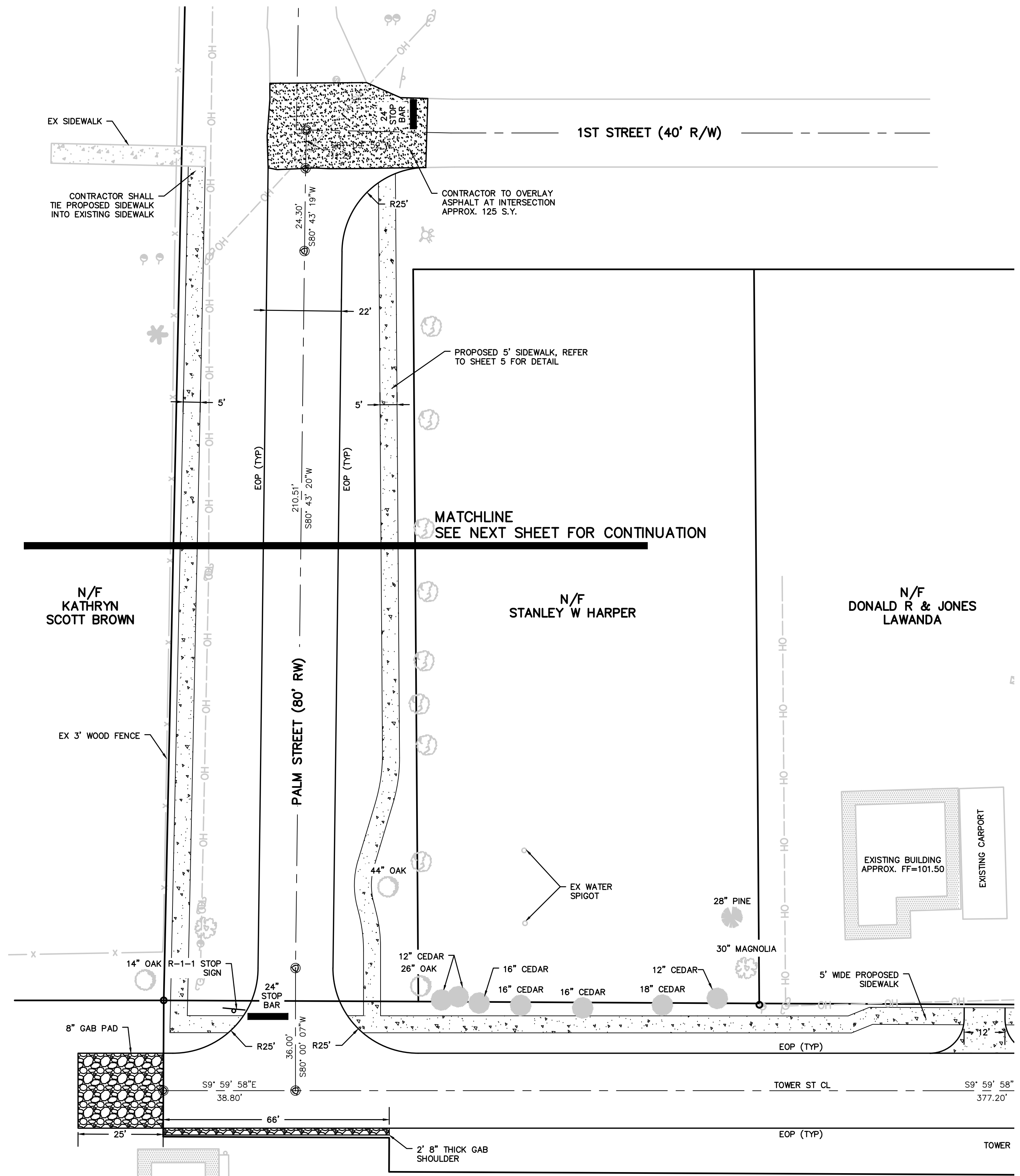
(PALM STREET)



PALM STREET PROFILE
 VERT. SCALE: 1"=5'
 HORIZ SCALE: 1"=20'



PALM STREET PAVEMENT DETAIL
 N.T.S.
 2019-120



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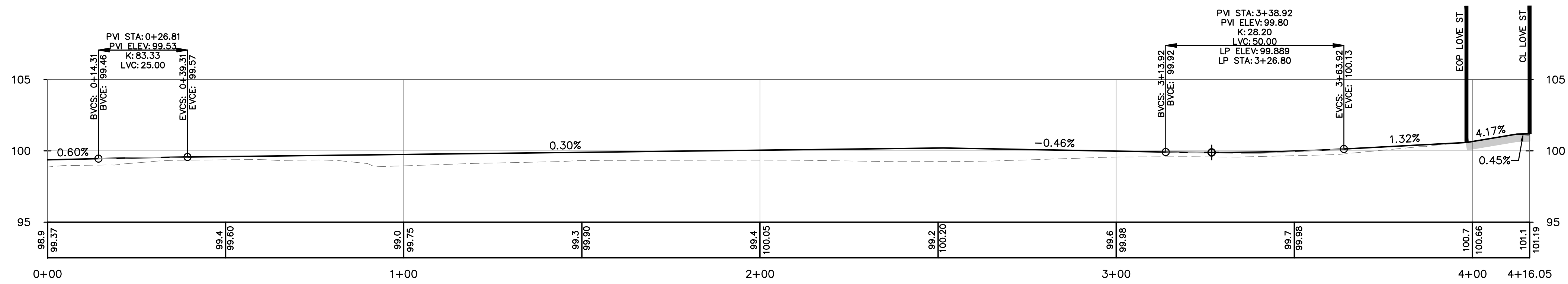
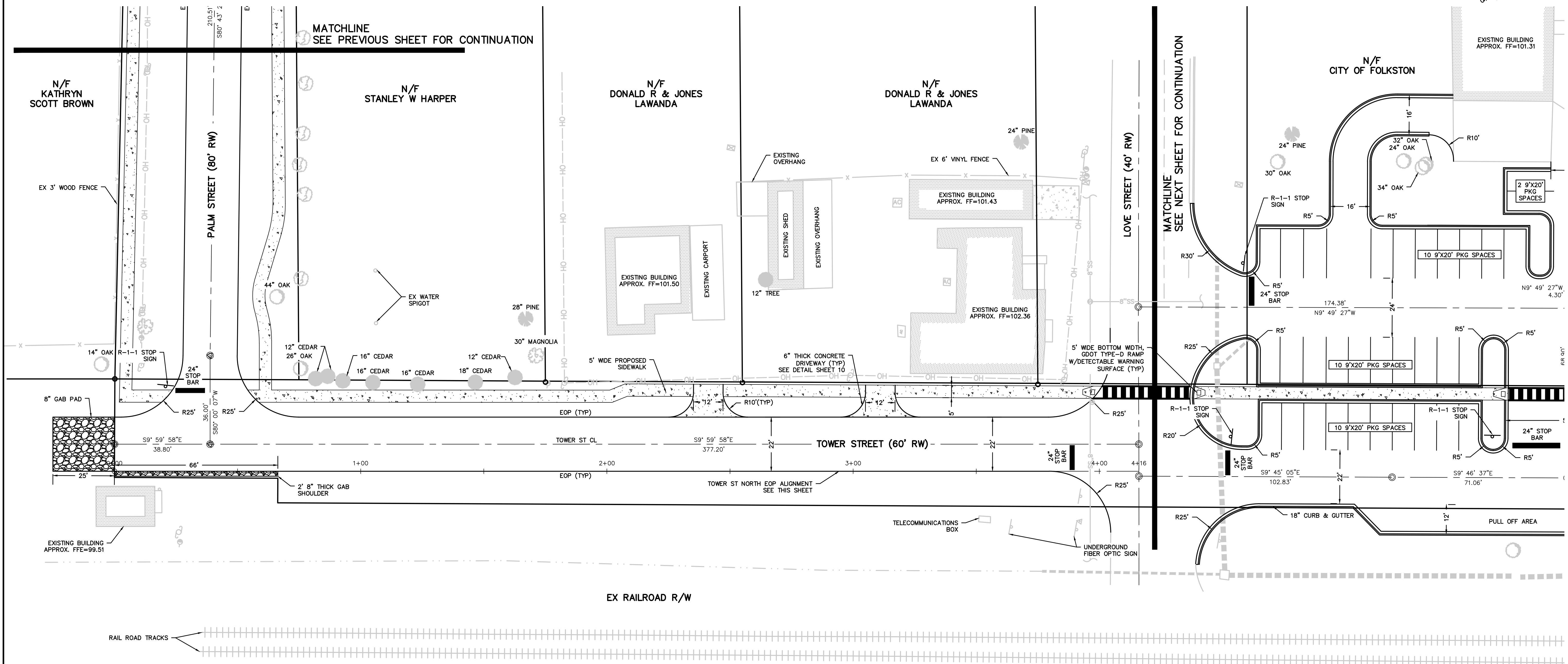
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Tower Street Reconstruction
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 Charlton County, Georgia

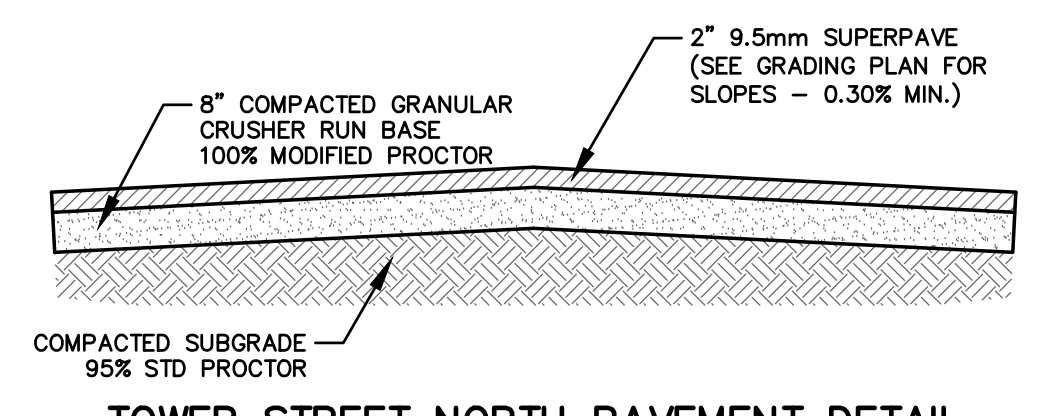
Site Plan
 DATE: AUGUST 19, 2019
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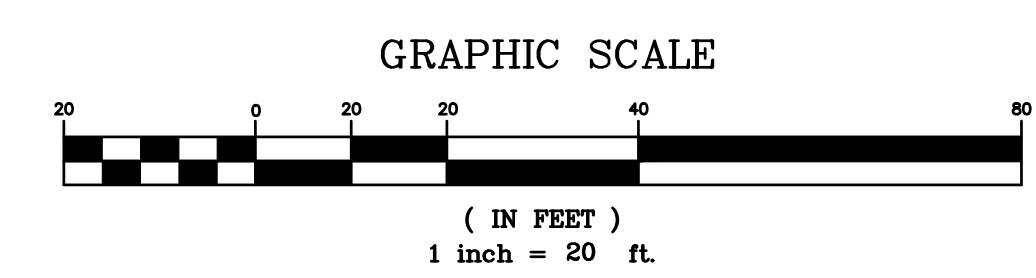
(TOWER STREET NORTH)



TOWER ST NORTH EOP PROFILE
VERT. SCALE: 1"=5'
HORIZ SCALE: 1"=20'



TOWER STREET NORTH PAVEMENT DETAIL
N.T.S.
2019-120



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REVISIONS:
DATE: 4/8/2020

REGISTERED PROFESSIONAL ENGINEER
J. VAN VANDERMEER
No. 44993

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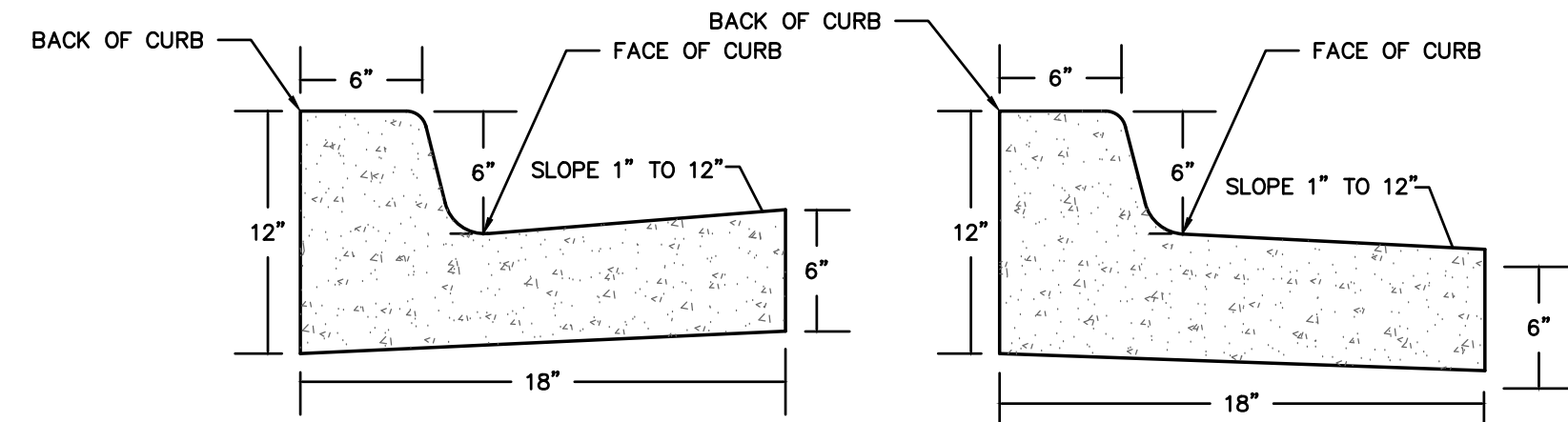
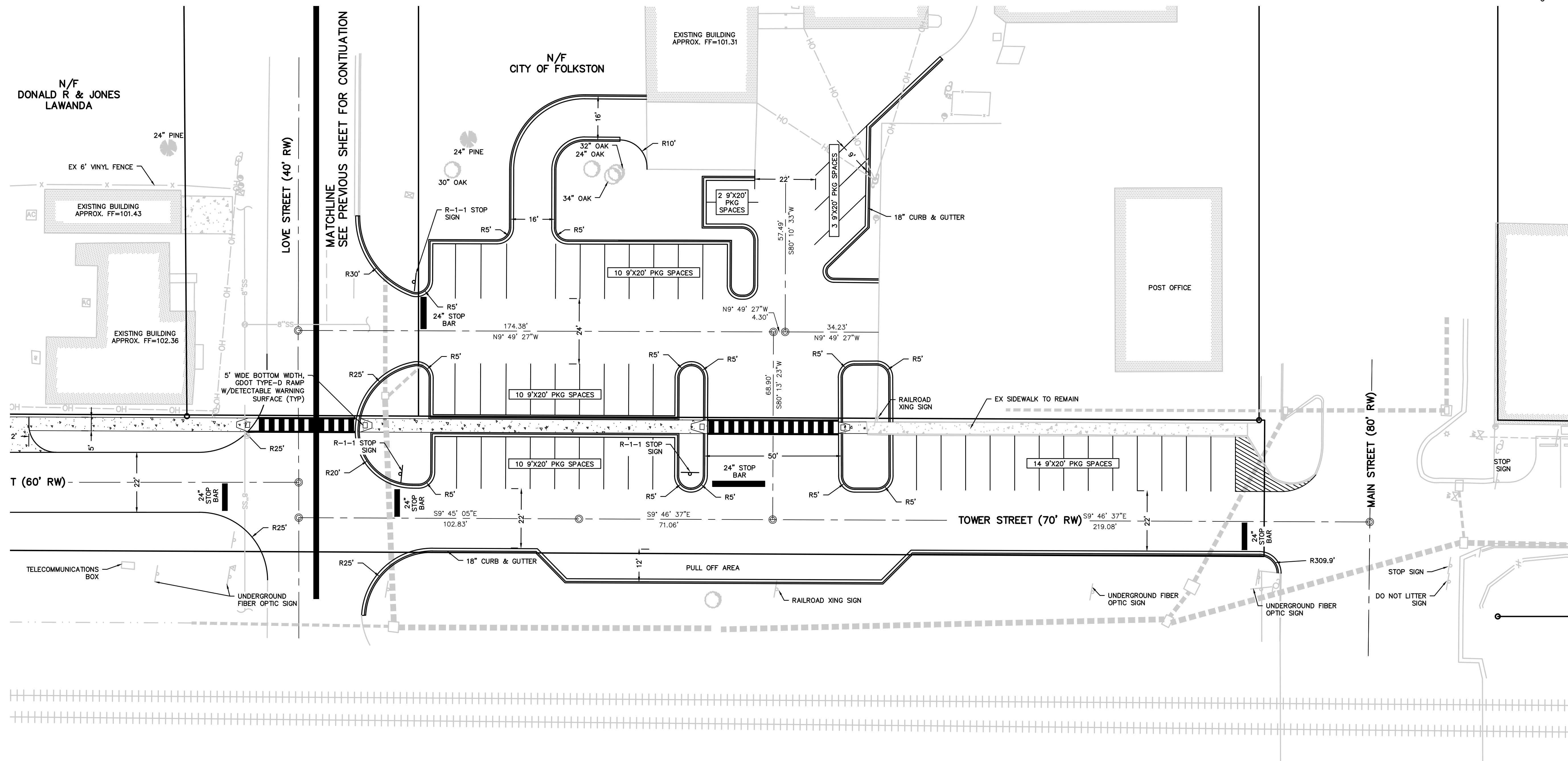
1650 PARADISE COMMONS
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GREENSBORO, GA 30642
TEL: (706) 454-0870

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Consulting Engineers

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Charlton County, Georgia

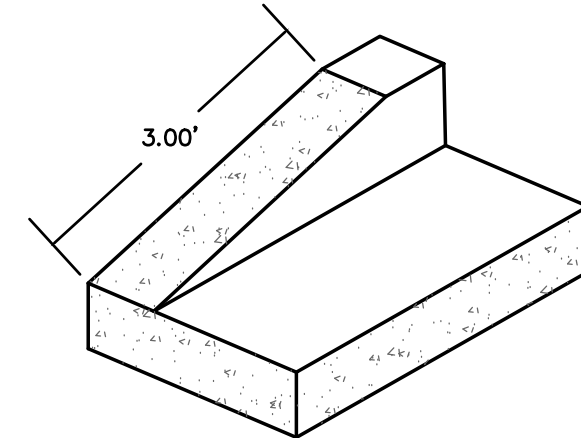
Site Plan
DATE: AUGUST 19, 2019
FILE NO: 2019-120PRJ
SHEET: 5

(TOWER STREET SOUTH)



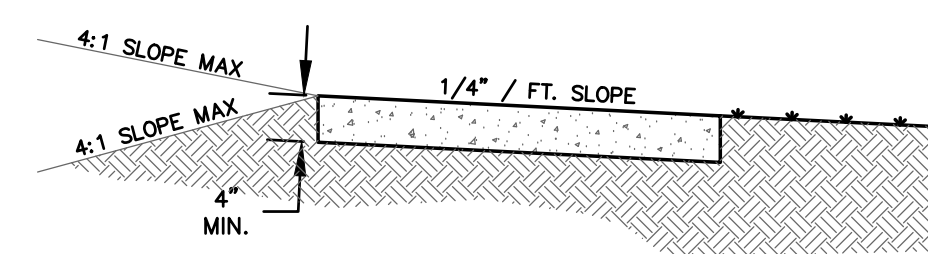
**STANDARD TYPE
CURB & GUTTER**
N.T.S.

**SPILL-OUT TYPE
CURB & GUTTER**
N.T.S.



**CURB TERMINATION
DETAIL**
N.T.S.

CURB & GUTTER DETAIL
N.T.S.



SECTION

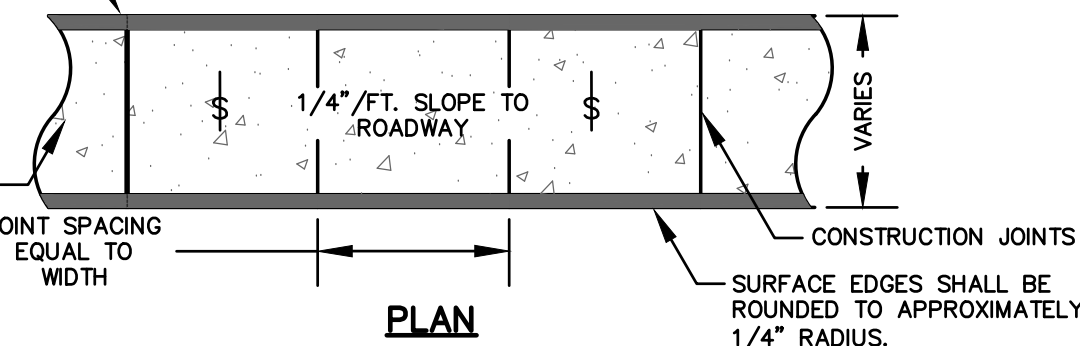
1/2" THICK EXPANSION JOINT FILLER SHALL BE PLACED A MAXIMUM OF 20' INTERVALS AND AT ALL INTERSECTIONS W/STEPS, CURBS, OR ANY OTHER WALKS ABUTTING STRUCTURES.

FINAL FINISH SHALL BE MEDIUM TO LIGHT BROOM FINISH AND UNIFORM EXCEPT 6" EDGE WITH SMOOTH TROWEL FINISH. ALL EDGES

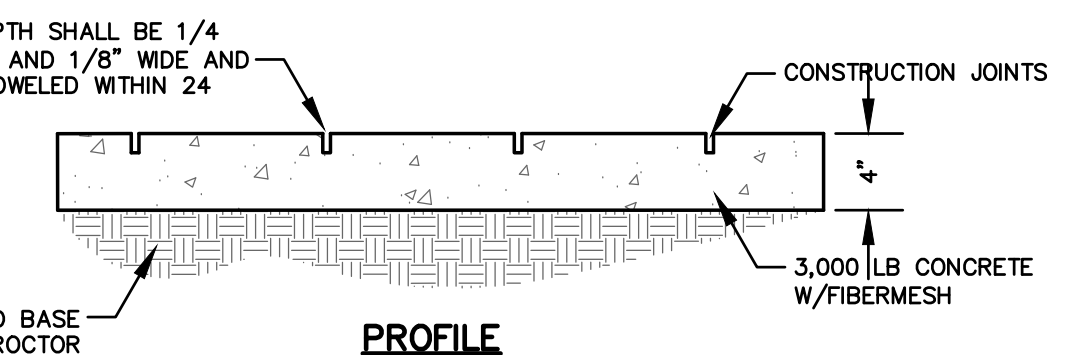
CONSTRUCTION JOINT DEPTH SHALL BE 1/4 OF THE SLAB THICKNESS AND 1/8" WIDE AND SHALL BE SAWS OR TROWELED WITHIN 24 HOURS OF POURING.

COMPACTED BASE 100% MODIFIED PROCTOR

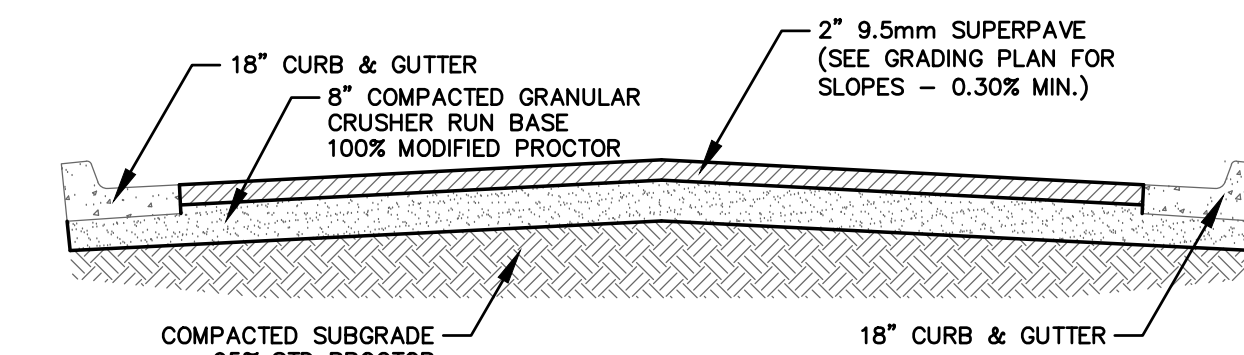
TYPICAL SIDEWALK DETAIL
N.T.S.



PLAN

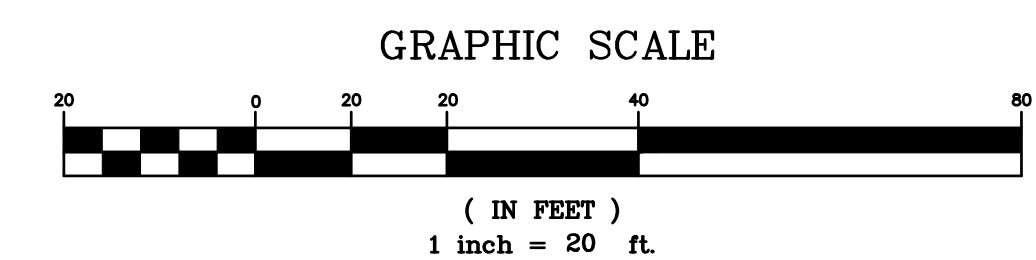


PROFILE



TOWER STREET SOUTH PAVEMENT DETAIL

N.T.S.
2019-120



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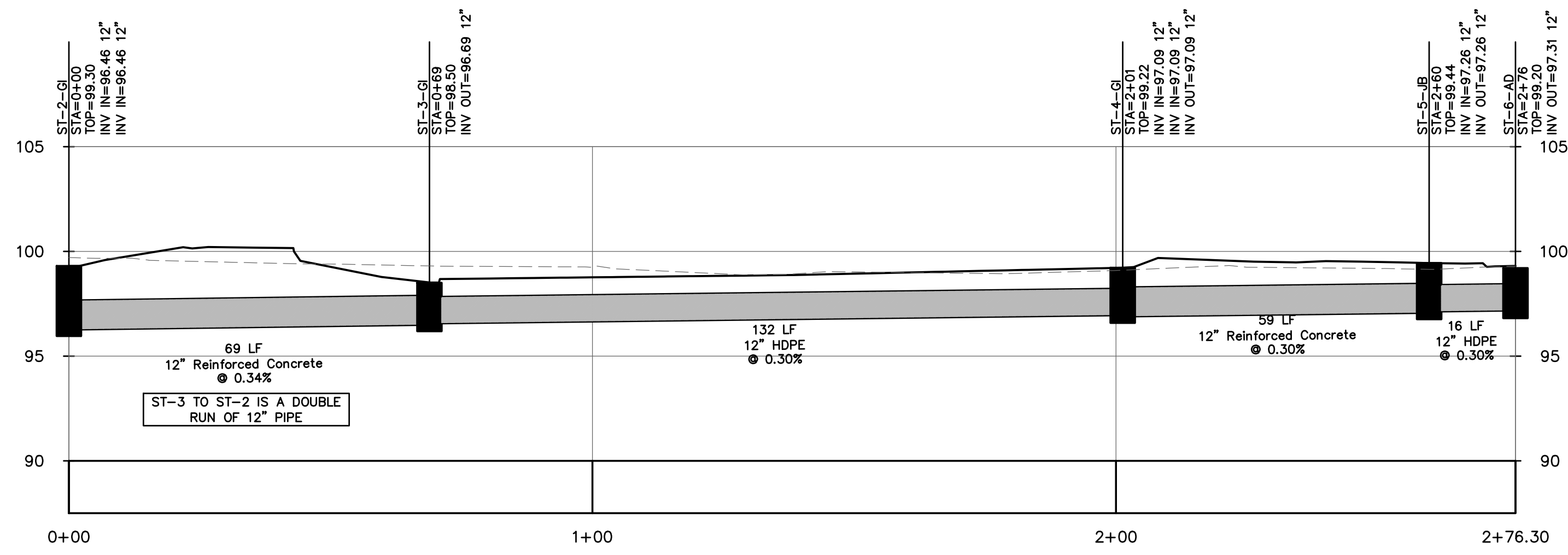
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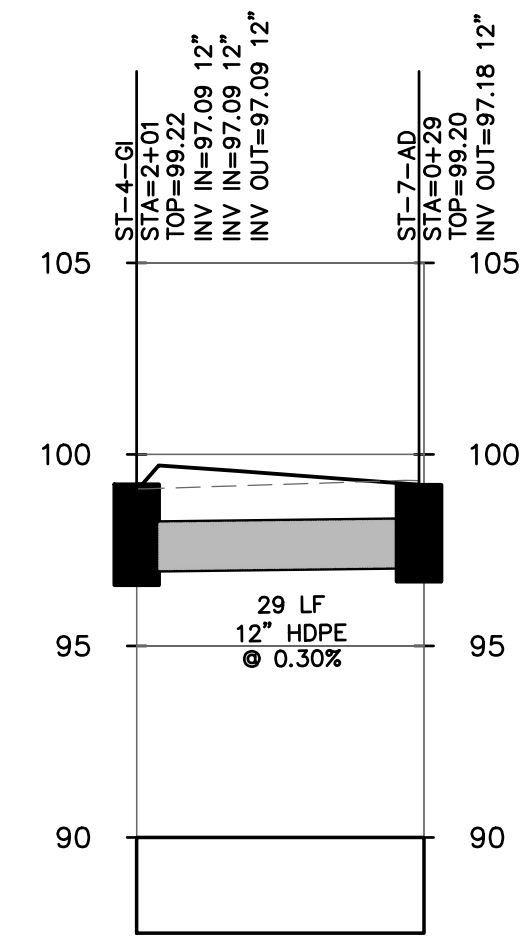
Site Plan
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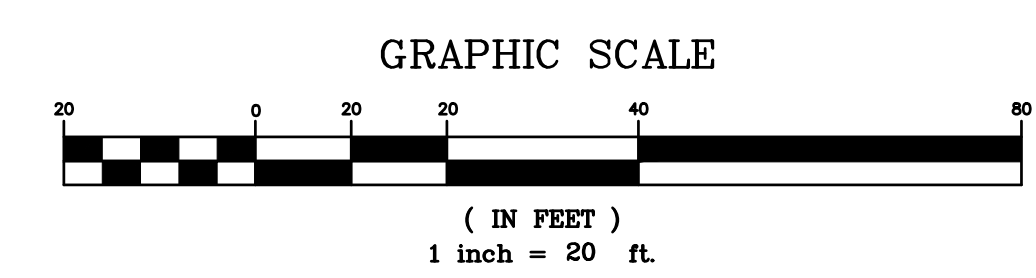
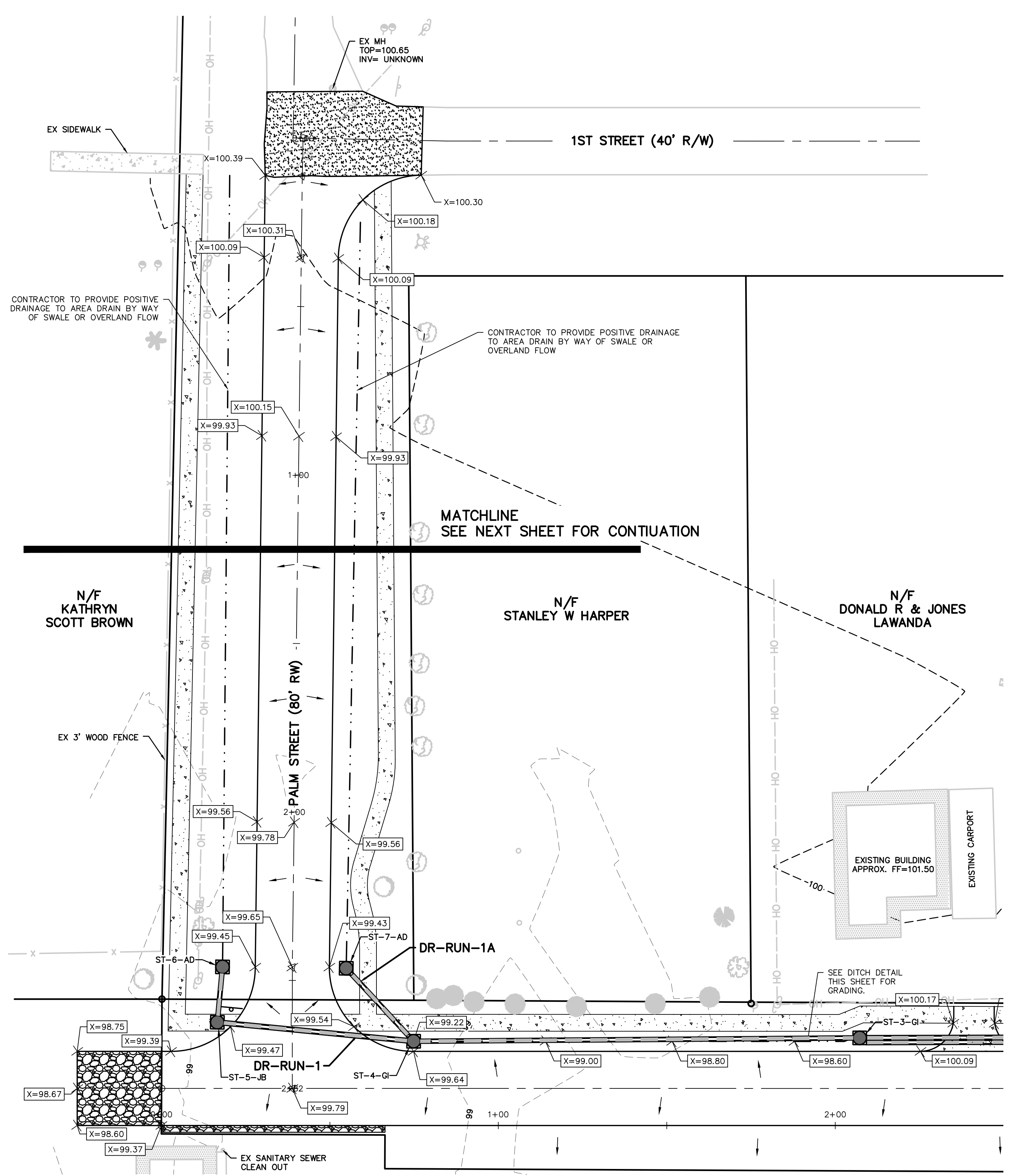
(PALM STREET)



DR-RUN-1 PROFILE
VERT. SCALE: 1"=5'
HORIZ SCALE: 1"=20'



DR-RUN-1A PROFILE
VERT. SCALE: 1"=5'
HORIZ SCALE: 1"=20'



DRAWING COMPLETED BY: ELLIOTT WILSON

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DATE: 4/8/2020

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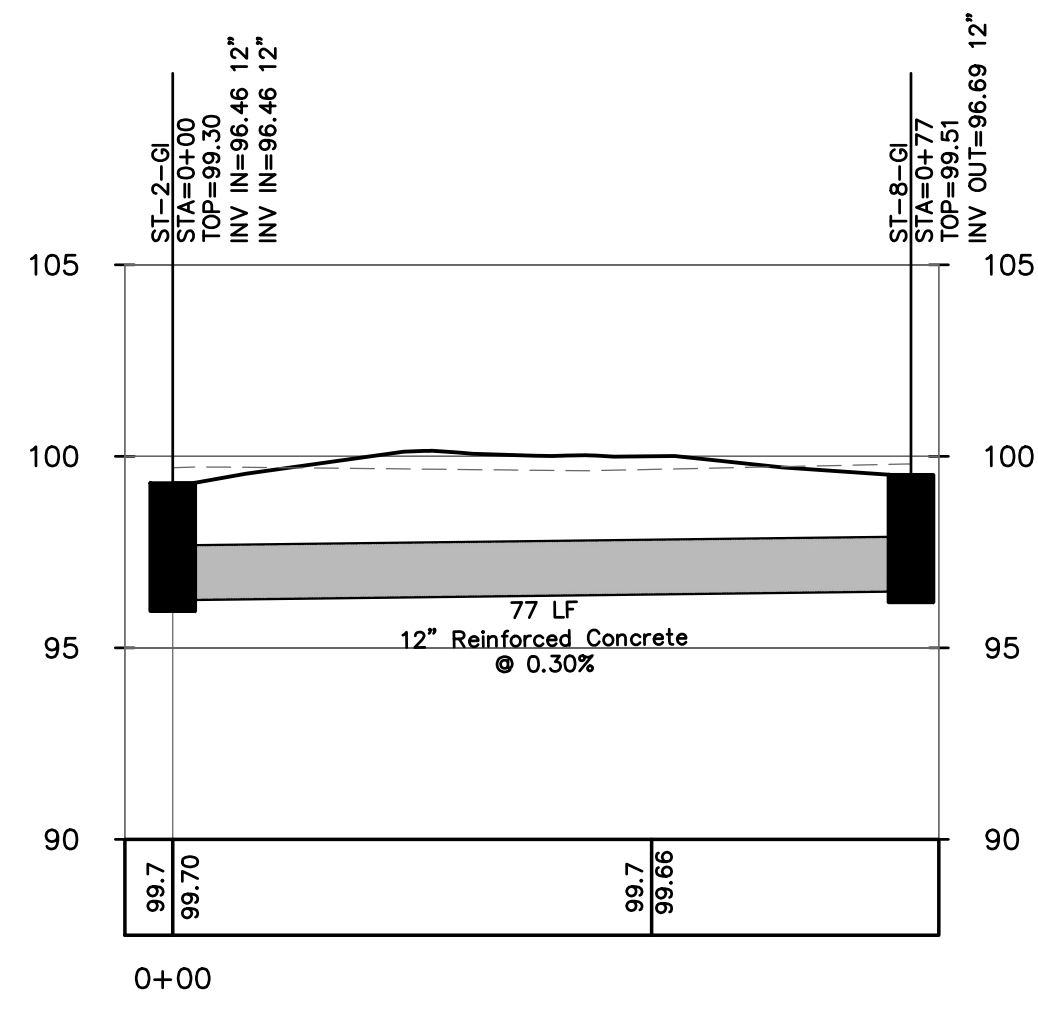
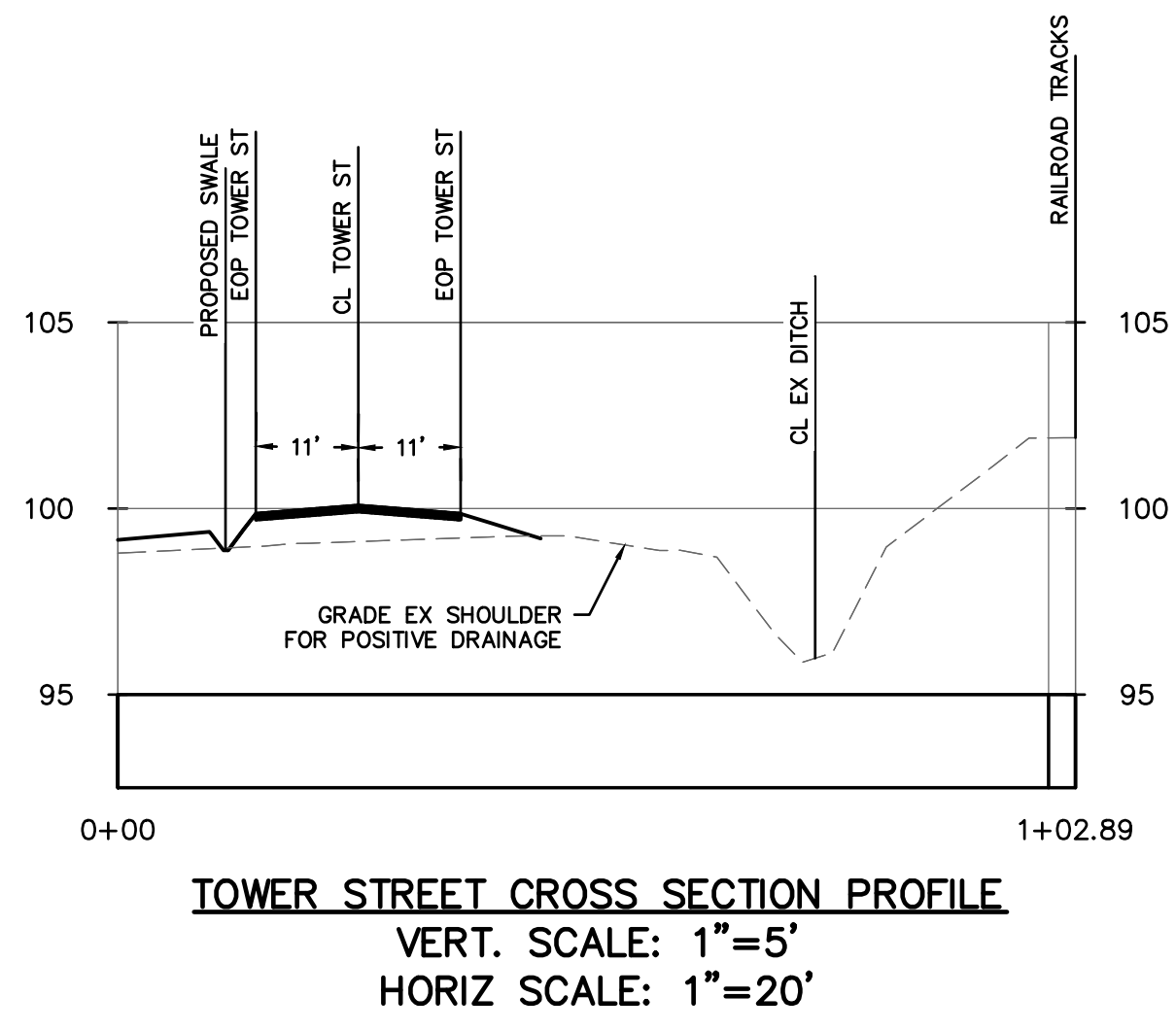
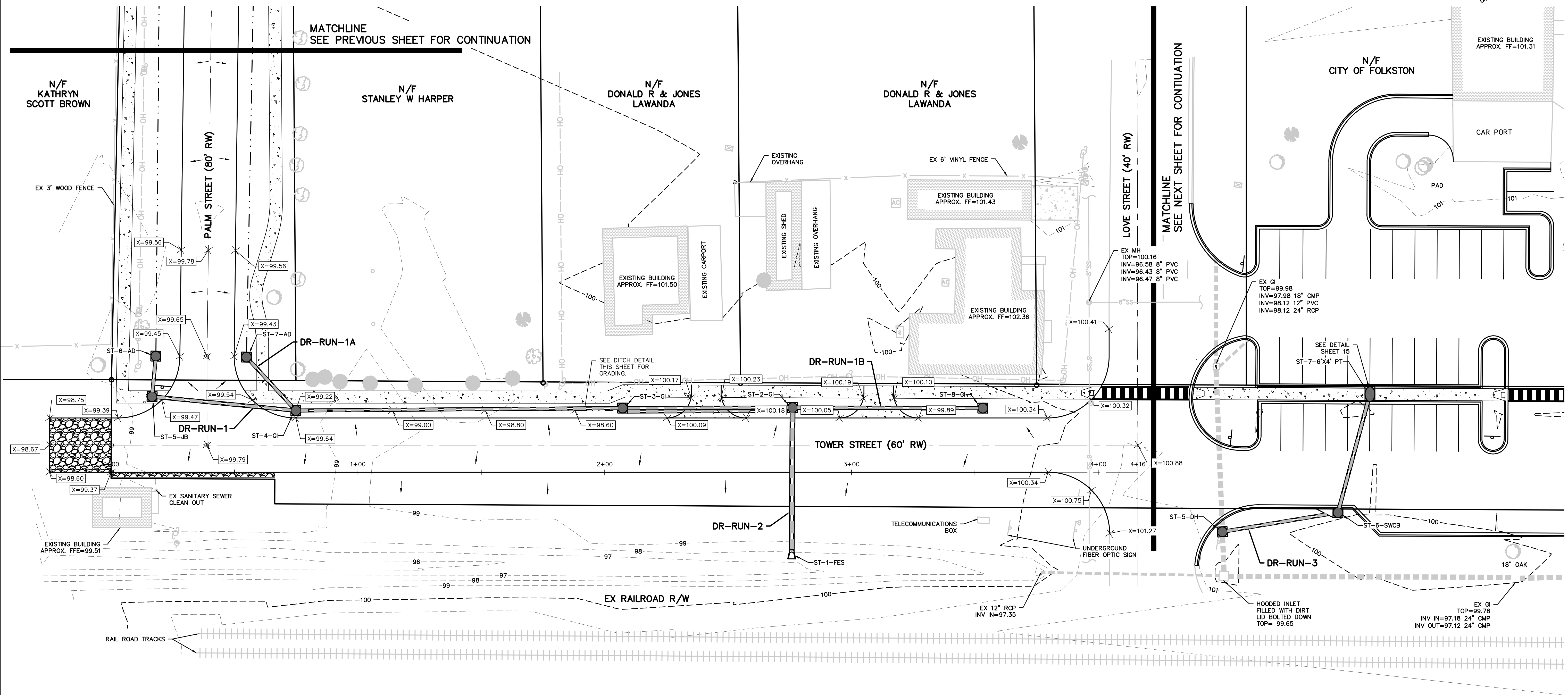
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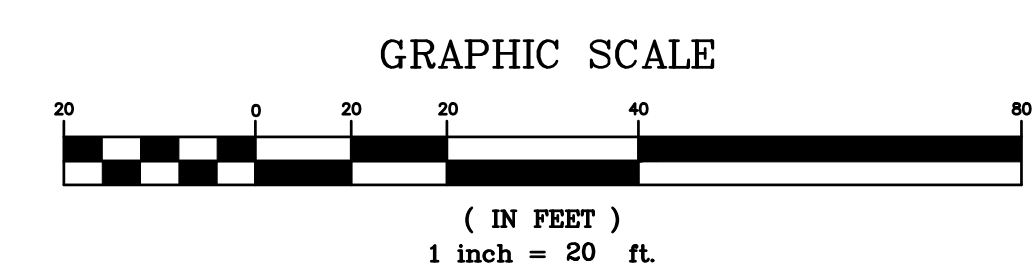
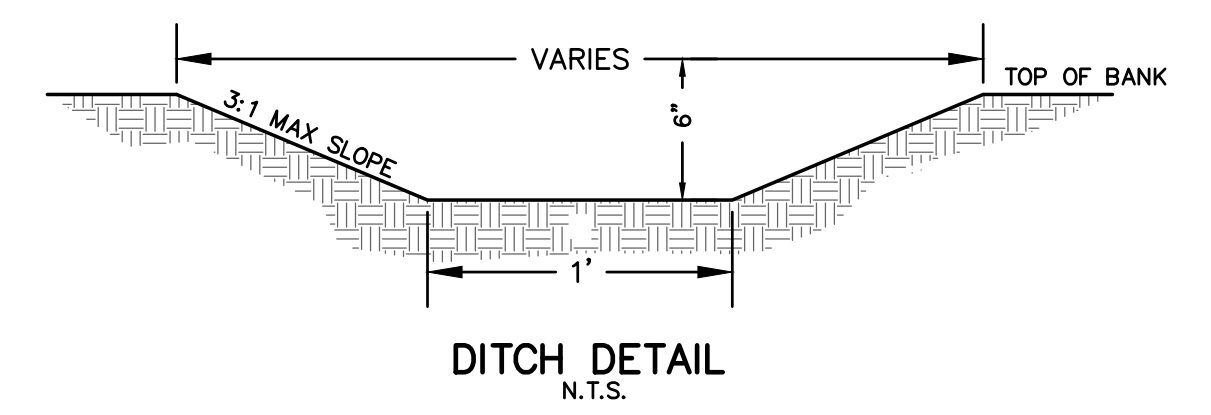
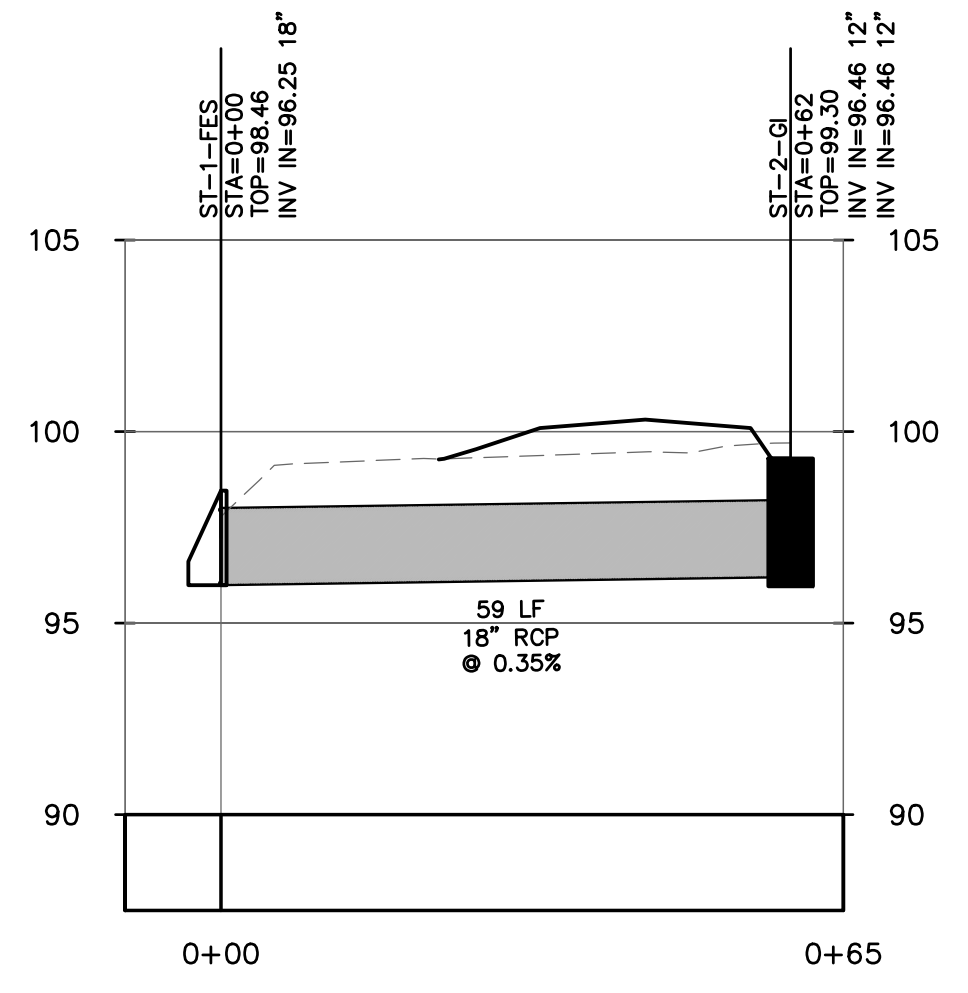
Grading Plan
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FILE NO: 2019-120PRJ
SHEET: 7

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(TOWER STREET NORTH)



ST-2, ST-3, ST-4 AND ST-8 INLETS SHALL BE 6140 BEEHIVE DRAINAGE GRATES OR APPROVED EQUAL.



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REVISIONS:
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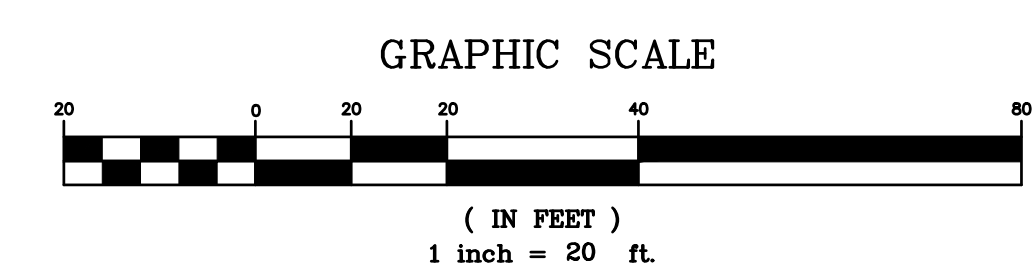
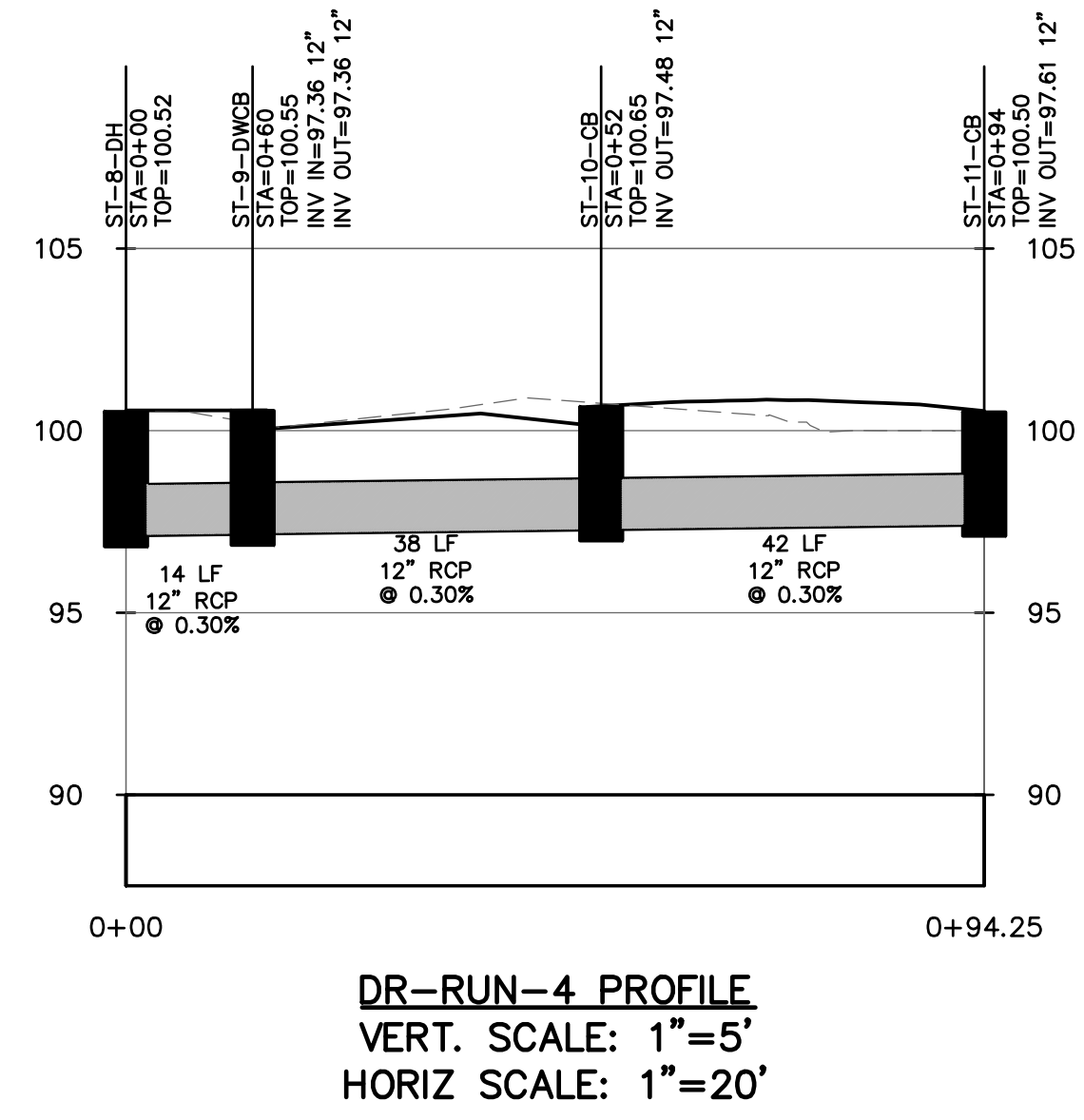
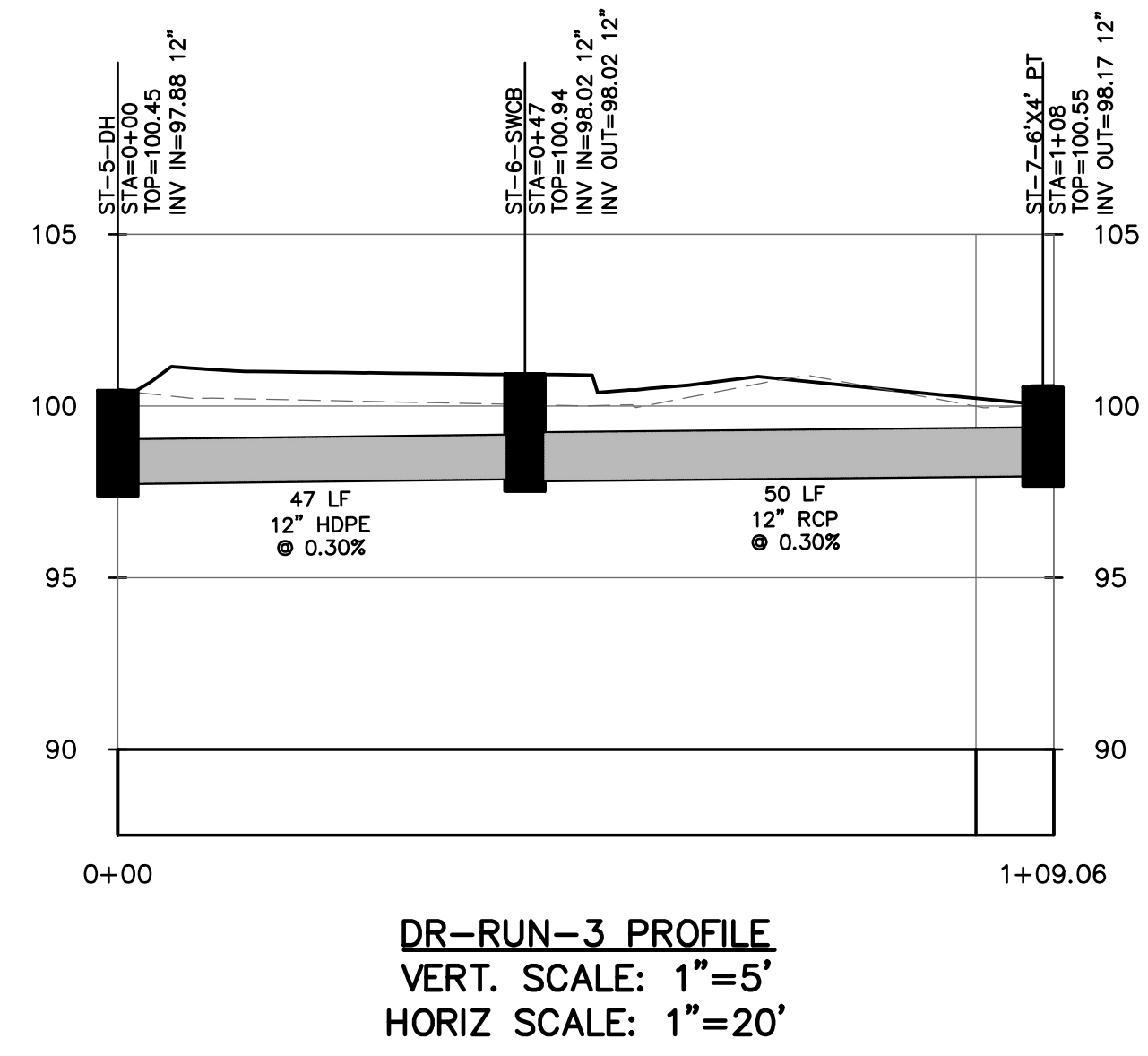
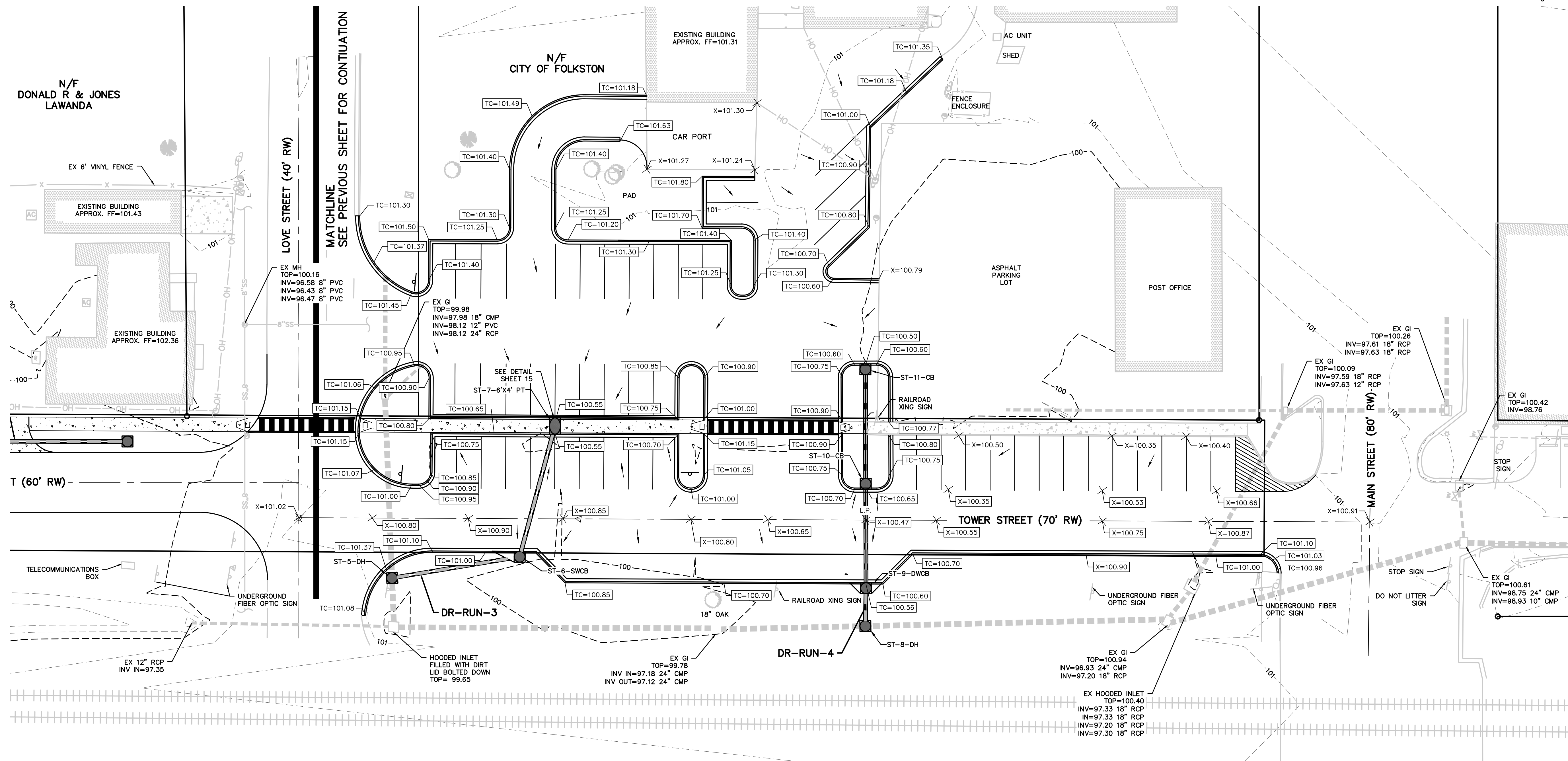
1650 PARADISE COMMONS
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 Consulting Engineers

Tower Street Reconstruction
 for
The City of Folkston
 Charlton County, Georgia

Grading Plan
 DATE: AUGUST 19, 2019
 FILE NO: 2019-120PRJ
 SHEET: 8

(TOWER STREET SOUTH)



DRAWING COMPLETED BY: ELLIOTT WILSON

REVISED:



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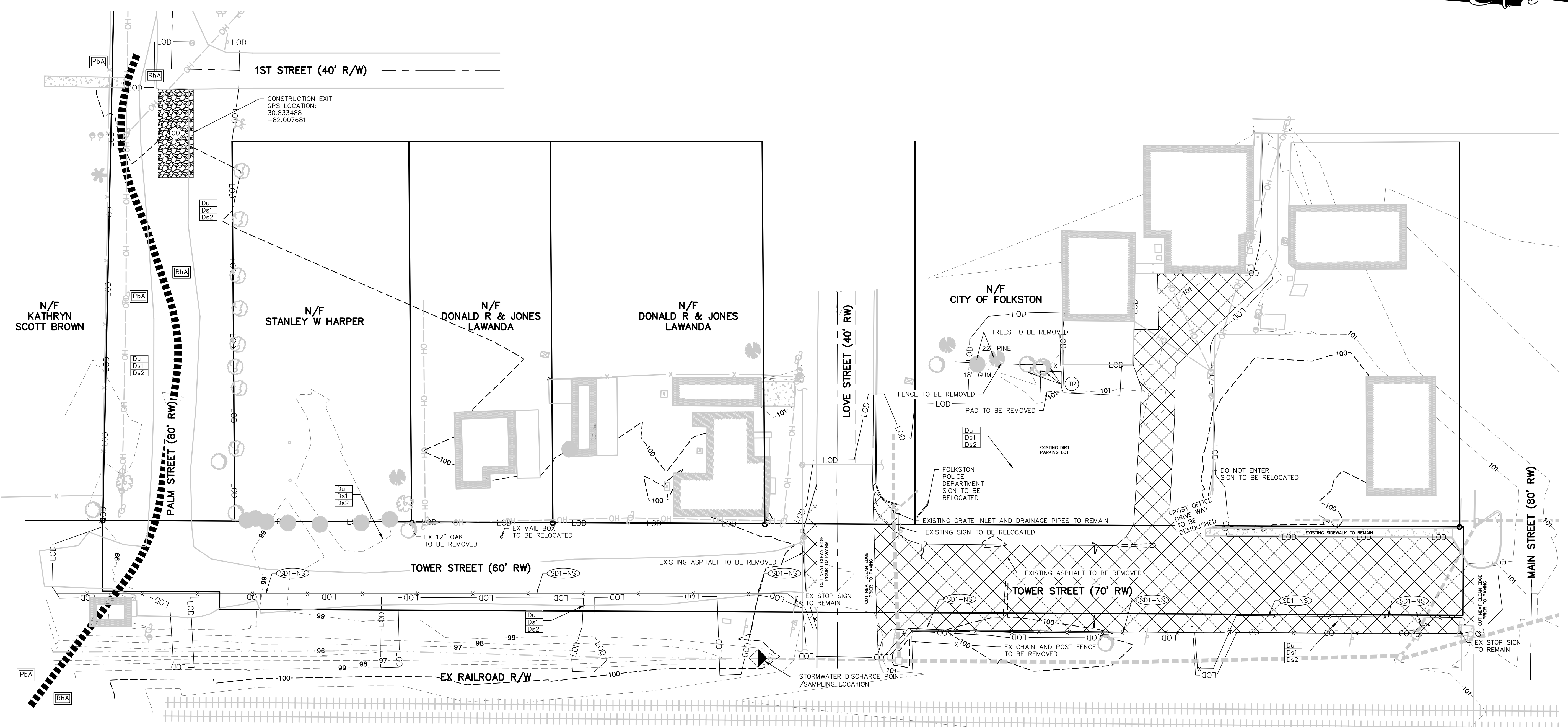
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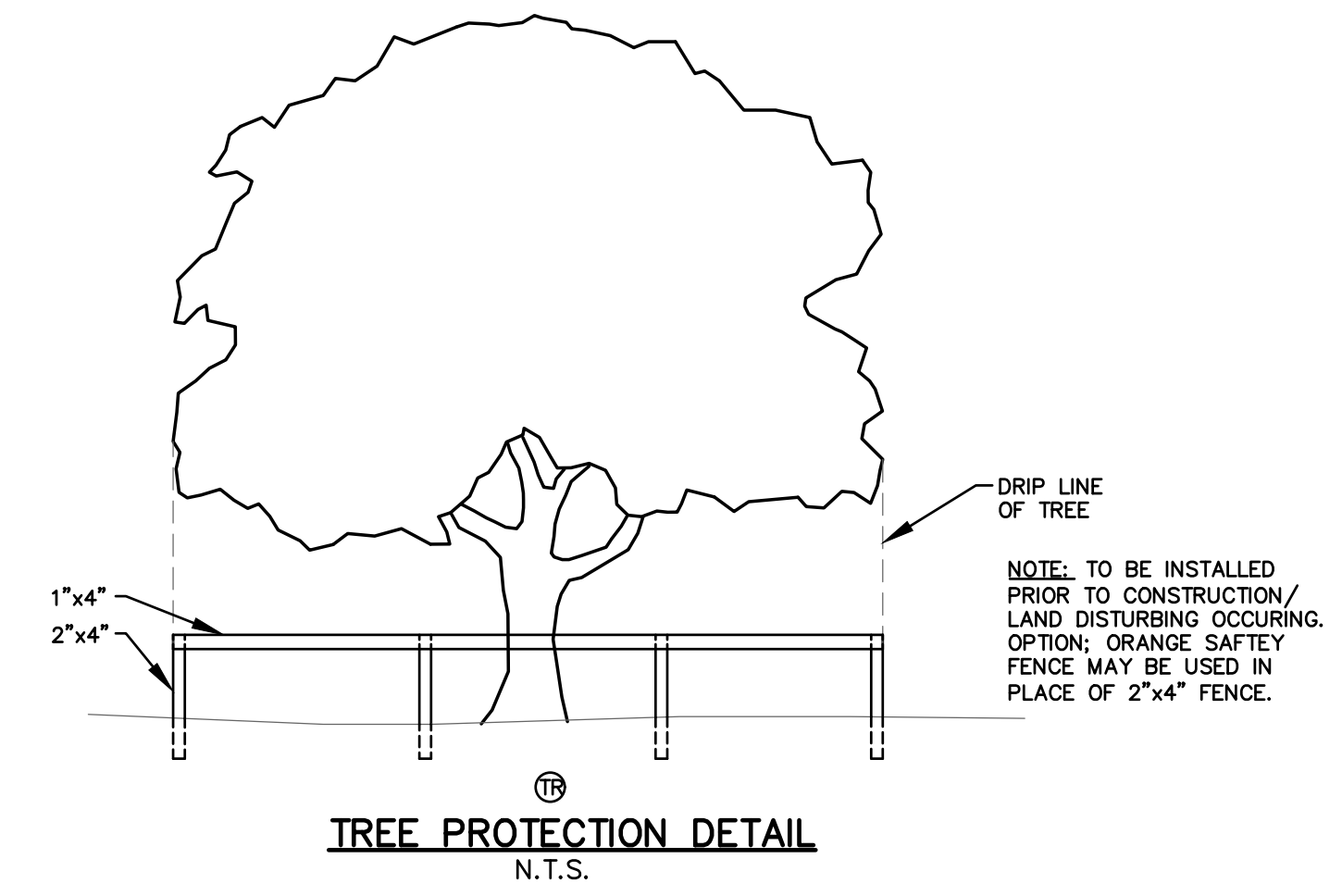
Tower Street Reconstruction
 for
The City of Folkston
 Charlton County, Georgia

Grading Plan
 DATE: AUGUST 19, 2019
 FILE NO: 2019-120PRJ
 SHEET: 9

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LEGEND FOR EROSION AND SEDIMENT CONTROL PRACTICES		
CODE	PRACTICE	DESCRIPTION
	CONSTRUCTION EXIT	A STONE PAD LOCATED AT THE JOB SITE EXIT TO REMOVE MUD AND DEBRIS FROM TIRES AND PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS.
	SILT FENCE 36" WIDE	A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND ENTRENCHED. 6 MO. OR LONGER PROJECT LIFE.
	SILT FENCE 36" WIRE BACKED	Sd1-S HAS 6 MO. OR LONGER PROJECT LIFE. WIRE BACKING IS NECESSARY BECAUSE FABRIC ALLOWS 3 TIMES THE FLOW RATE OF TYPE A SILT FENCE.
	"PIGS IN BLANKET"	CURB INLET PROTECTION "PIGS IN BLANKET" SHOULD BE USED ONCE PAVEMENT IS IN PLACE.
	FILTER FABRIC AND FRAME	FILTER FABRIC WRAPPED AROUND A FRAME FOR USE IN AN AREA WHERE SITE IS RELATIVELY FLAT (<5%)
	STORM DRAIN OUTLET PROTECTION	OUTLET FOR PROTECTION FROM EROSION CAUSED BY WATER TURBULENCE OR HIGH VELOCITIES.
	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	APPLYING PLANT RESIDUES OR OTHER SUITABLE MATERIALS NOT PRODUCED ON THE SITE TO THE SOIL SURFACE SUCH AS GRAIN STRAW, HAY, PINE NEEDLES WOOD WASTE AND SHREDDED RESIDUES.
	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)	ESTABLISHING TEMPORARY VEGETATIVE COVER SUCH AS RYE, SUDAGRASS, WHEAT, OR RYEGRASS PAVED OR ROCK SECTION BELOW A STORM DRAIN ON DISTURBED AREAS.
	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
	TURBIDITY MONITORING POINT	LOCATION FOR MONITORING TURBIDITY IN STORM WATER RUNOFF.

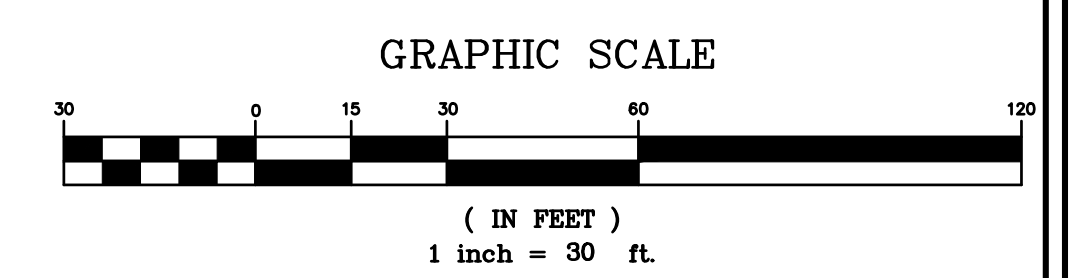


SILT STORAGE CALCULATION SITE 1
 STORAGE REQUIRED = 2.88 AC. X 67 C.Y. = 193 C.Y. STORAGE CAPACITY REQUIRED.
 SD1 STORAGE AVAILABLE = 784 LF X .32 C.Y./AC = 251 C.Y.
 TOTAL AVAILABLE SEDIMENT STORAGE = 251 C.Y.

CONSTRUCTION ACTIVITY:
 CONSTRUCTING ACTIVITY WILL CONSIST OF GRADING AND REPAVING, SILT FENCE INSTALLATION, CONSTRUCTION EXIT INSTALLATION AND TEMPORARY MULCHING/GRASSING. A PROPOSED ASPHALT ROADWAY IS TO BE CONSTRUCTED ON SITE WITH ASSOCIATED DRAINAGE STRUCTURES ALONG WITH THE REPAVING OF AN EXISTING ROADWAY.
 TOTAL DISTURBED ACRES = 1.96 AC
 TOTAL AGERAGE OF PROJECT SITE = 2.88 AC

SOIL LEGEND	
	RIDGEWOOD-HURRICANE COMPLEX
	POTTSBURG FINE SAND

EXISTING CONDITIONS:
 THE SITE CONSISTS OF MULTIPLE BUILDINGS, PAVEMENT AND SPECIES OF TREES INCLUDING BUT NOT LIMITED TO, PINE AND OAK TREES. WITH GRASS COVER SPANNING ACROSS THE SITE, DRAINAGE IS ACHIEVED VIA SHEET FLOW ALONG WITH EXISTING CATCH BASINS TO DIVERT STORMWATER.



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 EXPIRES: 10-18-22

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DRAWING COMPLETED BY: ELLIOTT WILSON

- REVISED: 1. GSWCC COMMENTS
 2. GSWCC COMMENTS
 3. GSWCC COMMENTS



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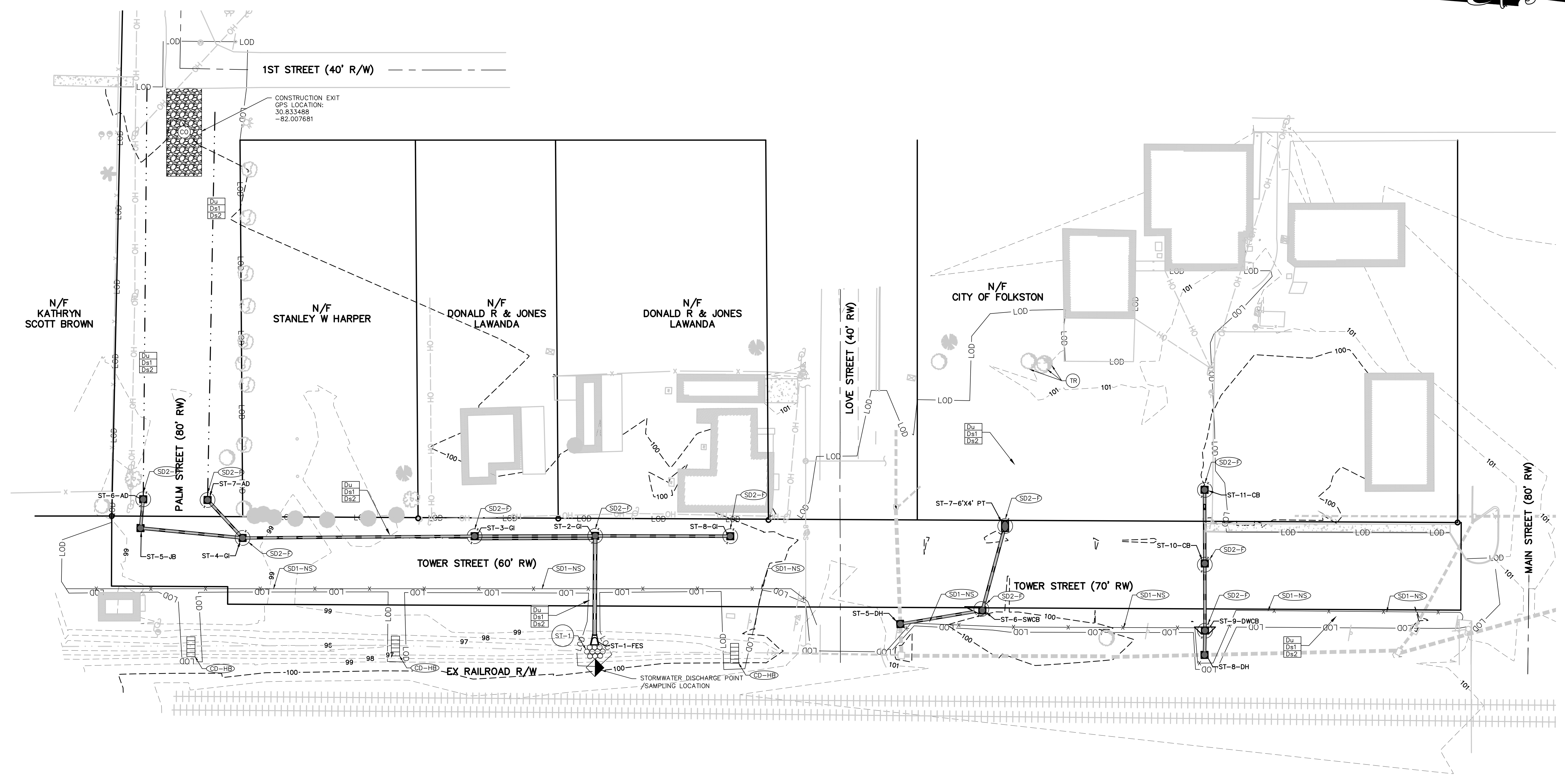
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Tower Street Reconstruction
 for
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 Charlton County, Georgia

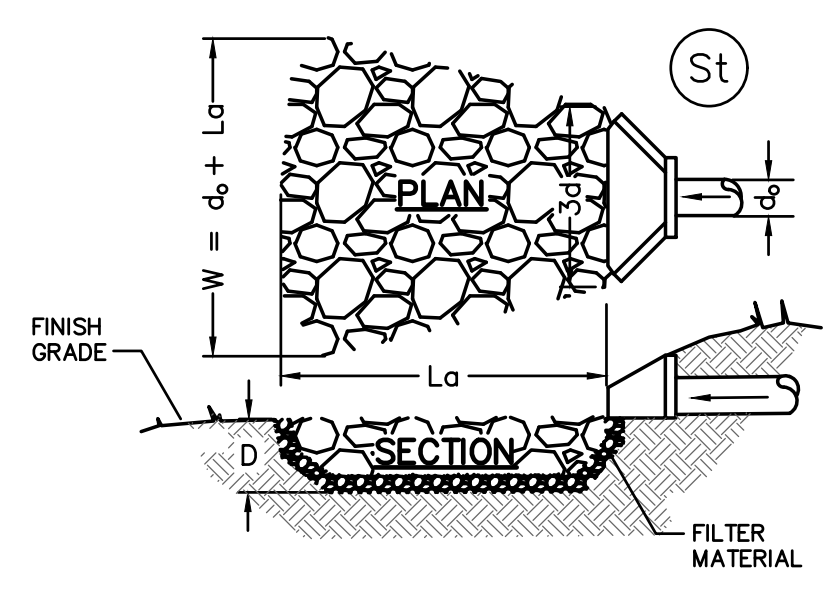
Initial Erosion Control Plan
 DATE: AUGUST 19, 2019
 FILE NO: 2019-120PRJ
 SHEET: 10

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STORM OUTLET PROTECTION

STRUCTURE NO.	Do	La	W		d50	D	FLOW RATE (CFS)	VELOCITY (FPS)
			W1	W2				
ST #1	12"	10'	5'	15'	6"	13.5"	1.19	2.86



**MINIMUM TAILWATER
STORM DRAIN OUTLET PROTECTION**
N.T.S.

- NOTES:**
- REFER TO STORM DRAIN OUTLET PROTECTION CHART FOR DIMENSIONING INFORMATION.
 - d_6 = DIAMETER OF OUTLET PIPE
 - $d50$ = MIN. STONE DIAMETER
 - d_{max} = MAX. STONE DIA. = $(1.5 \times d50)$
 - D = 1.5 TIMES THE MAXIMUM STONE DIAMETER, BUT NOT LESS THAN 6".
 - EXTEND THE RIPRAP APRON UP THE CHANNEL BANK TO THE TOP OF THE CHANNEL BANK.
 - A FILTER BLANKET OR FILTER FABRIC SHALL BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION. FILTER BLANKET SHALL CONSIST OF A GRADED GRAVEL LAYER OR SYNTHETIC FILTER CLOTH. FILTER BLANKET IS INTENDED TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN RIPRAP.
 - RIPRAP APRON AND FILTER MATERIAL SHALL BE WELL GRADED, LEVEL, AND EXTENDED TO ACHIEVE MAX. STABILITY.

CD-Hb CALCULATION:

- CFS IN CHANNEL/DITCH THAT CHECK DAM IS BEING USED IN = 1.45 CFS
- ABOVE 2.0 CFS? YES **(NO)**
- IF YES, LIST BMP BEING USED IN CONJUNCTION WITH CHECK DAMS: N/A

SILT STORAGE CALCULATION SITE 1

STORAGE REQUIRED = 2.88 AC. X 67 C.Y. = 193 C.Y. STORAGE CAPACITY REQUIRED.

SD1 STORAGE AVAILABLE = 784 LF X .32 C.Y./AC = 251 C.Y.

TOTAL AVAILABLE SEDIMENT STORAGE = 251 C.Y.

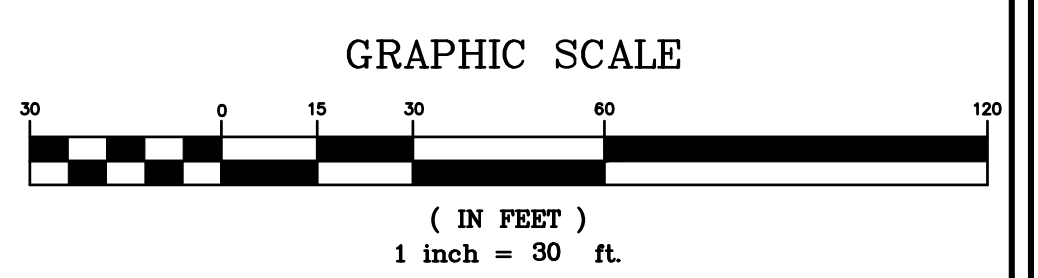
EROSION CONTROL NOTES:

- DUE TO THE LINEAR NATURE OF THE CONSTRUCTION ACTIVITY SILT FENCE WILL BE USED AS SEDIMENT STORAGE.
- ST-5-DH IS NOT AN INLET DEVICE THEREFORE NO BMP WILL BE REQUIRED ON STRUCTURE.

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 EXPIRES: 10-18-22

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REVISIONS:

NO.	DATE	DESCRIPTION
1.		GSWCC COMMENTS
2.		GSWCC COMMENTS
3.		GSWCC COMMENTS

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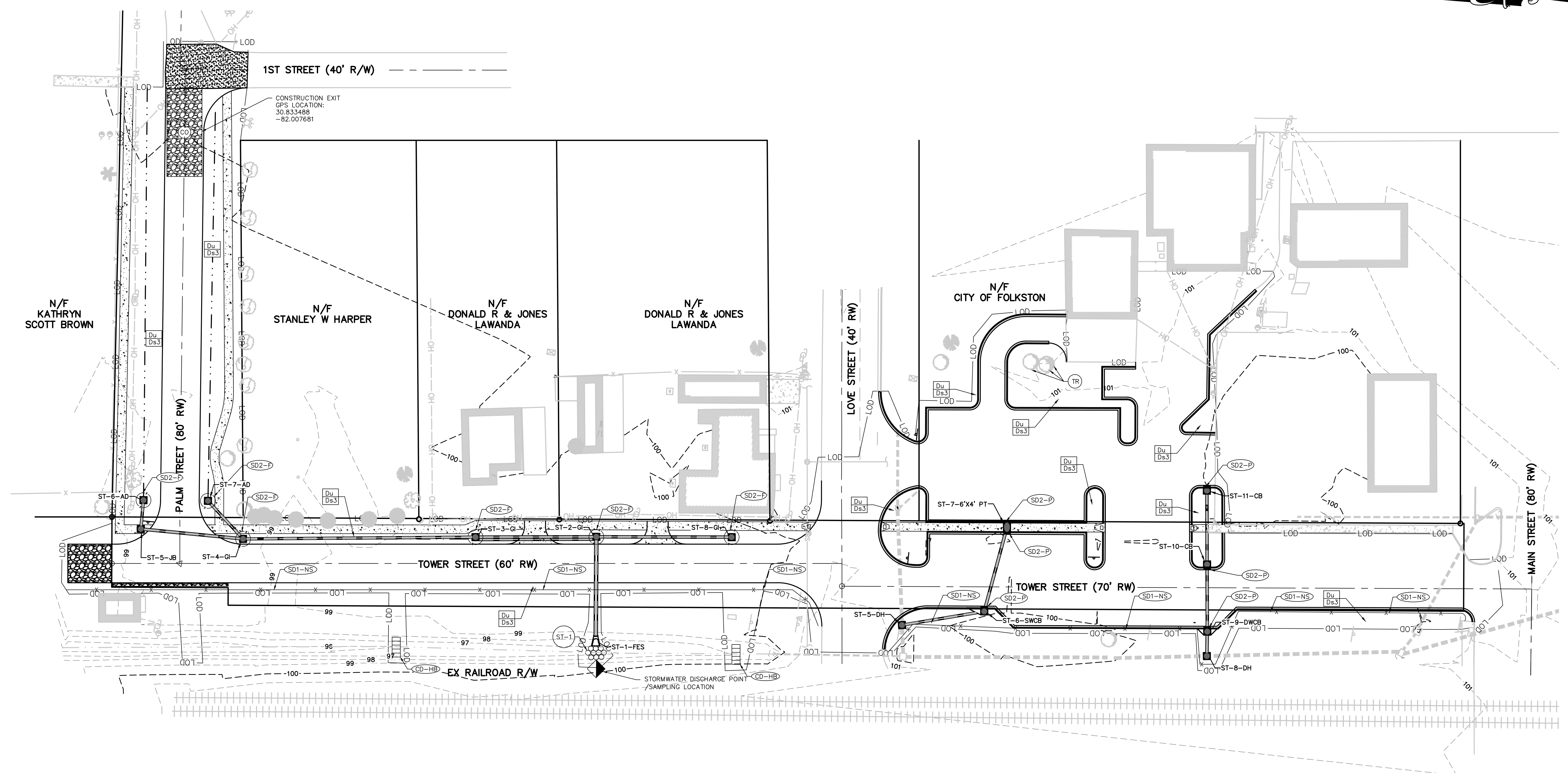


Tower Street Reconstruction
 for
The City of Folkston
 Charlton County, Georgia

**Intermediate Erosion
Control Plan**

DATE: AUGUST 19, 2019
 FILE NO: 2019-120PRJ
 SHEET: 11

DRAWING COMPLETED BY: ELLIOTT WILSON



STORM OUTLET PROTECTION

Do - OUTLET PIPE DIA. W1 - WIDTH AT HEADWALL d50 - AVE. STONE SIZE
 Lg - LENGTH OF APRON W2 - DOWNSTREAM WIDTH dMAX - MAX. STONE SIZE
 D - STONE DEPTH

STRUCTURE NO.	Do	Lg	W1	W2	d50	D	FLOW RATE (CFS)	VELOCITY (FPS)
ST #1	12"	10'	5'	15'	6"	13.5"	1.19	2.86

SILT STORAGE CALCULATION SITE 1

STORAGE REQUIRED = 2.88 AC. X 67 C.Y. = 193 C.Y. STORAGE CAPACITY REQUIRED.

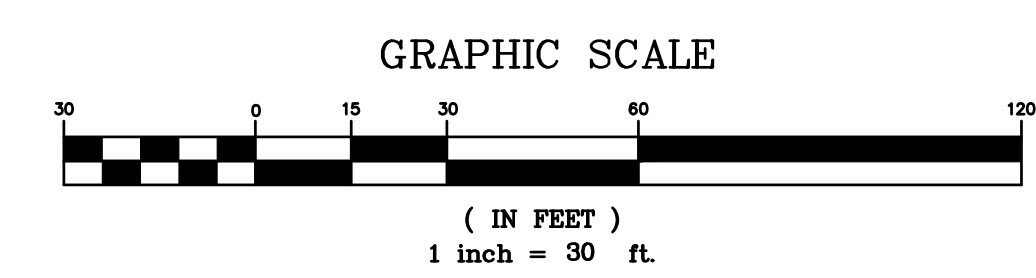
SD1 STORAGE AVAILABLE = 784 LF X .32 C.Y./AC = 251 C.Y.

TOTAL AVAILABLE SEDIMENT STORAGE = 251 C.Y.

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 Consulting Engineers

Tower Street Reconstruction
 for
The City of Folkston
 Charlton County, Georgia

Final Erosion Control Plan

DATE: AUGUST 19, 2019
 FILE NO: 2019-120PRJ
 SHEET: 12

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Ds1 DISTURBED AREA STABILIZATION (W/MULCHING ONLY)

SPECIFICATIONS

A. For temporary protection of critical areas without seeding. This standard applies to grades or cleared areas which may be subjected to erosion for 6 months or less, where seeding may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

Site Preparation

1. Grade, as needed and feasible, to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. As needed and feasible, loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

1. Dry straw or hay - spread at a rate of 2 1/2 tons per acre.
2. Wood waste, chips, sawdust or bark - spread 2 to 3 inches deep (about 6 to 9 tons per acre).
3. Erosion control matting or netting, such as excelsior, jute, textile and plastic matting and netting - applied in accordance with manufacturers recommendations.
4. Outback asphalt, slow curing - applied at 1200 gallons per acre (or 1/4 gallon per sq. yd.)
5. Polyethylene film - secured over banks or stockpiled soil material for temporary protection.

Anchoring and Anchoring Mulch

1. Apply straw or hay mulch uniformly by hand or mechanically. Anchor as appropriate and feasible. It may be pressed into the soil with a disk harrow with the disk set straight or with a special "pucker disk." The disk may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but press it into the soil leaving much of it in an erect position.

2. Straw hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AE-5 or SE-1). The asphalt emulsion must be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of water per acre.

2. Spread wood waste uniformly on slopes that are 3:1 and flatter. No anchoring is needed.
3. Commercial matting and netting. Follow manufacturer's specification included with the material.
4. Apply asphalt so area has uniform appearance. (Note: Use in areas of pedestrian traffic could cause problems or "tracking in" or damage to shoes, clothing, etc.)

B. To conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bar areas on lawns.

Mulching Materials

Use one of the materials given below and apply at thickness indicated.

Material	Depth
1. Grain straw or grass hay	6" to 10"
2. Pine needles	4" to 6"
3. Wood waste (sawdust, bark, chips)	4" to 8"
4. Shredded residues (crops, leaves, etc.)	4" to 8"

5. Completely cover area with black polyethylene film and hold in place by placing soil on the outer edge. When using organic mulches, apply 20-30 pounds of nitrogen in addition to the normal amount needed for plant growth to offset the tie up of N by decomposition of mulch

Ds2 SPECIES AND PLANTING SCHEDULE

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE PER 1000 S.F.		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS *												REMARKS	
	PER ACRE	PER 1000 S.F.		J	F	M	A	M	J	J	A	S	O	N	D		
RYEGRASS, ANNUAL ALONE	40 lbs.	0.9 lb.	M-L P C														227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.

* (DARK LINES REPRESENT OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)

MULCHING RATES FOR PERMANENT COVER

TYPE OF MULCH	RATE PER ACRE	NOTES
Dry straw	2 Tons	Free of weed seeds.
Dry hay	2.5 Tons	Free of weed seeds.
Wood Cellulose	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Wood Pulp Fiber	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Sericea Lespedeza Hay	3 Tons	Containing mature seeds.
Pine Straw or Bark	3 inches thick	For bedding. Not for seeding.
Bituminous treated paving	See DOT specs.	Use on slopes, in ditches, or dry waterways.

1. Mulching is not required for temporary grassing.
2. Mulch shall be applied to cover 75% of the soil surface.
3. Sod does not require mulch.

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT	RATE	TOP DRESSING RATE	LIME APPLICATION
Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/ 2/	2000 lbs./ac.
	Second Maintenance	6-12-12 10-10-10	1000 lbs./ac. 400 lbs./ac.	30	
Cool season grasses legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/	2000 lbs./ac.
	Second Maintenance	0-10-10 0-10-10	1000 lbs./ac. 400 lbs./ac.	-	
Ground covers	First	10-10-10	1500 lbs./ac.	-	-
	Second Maintenance	10-10-10 10-10-10	1000 lbs./ac. 400 lbs./ac.	-	
Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	-	-
Shrub lepedeza	First	0-10-10	700 lbs./ac.	-	-
	Maintenance	0-10-10	700 lbs./ac. 4/	-	
Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/	-
Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/ 6/	2000 lbs./ac.
	Second Maintenance	6-12-12 10-10-10	800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/ 30 lbs./ac.	
Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac. 6/	2000 lbs./ac.
	Second Maintenance	0-10-10 0-10-10	1000 lbs./ac. 400 lbs./ac.	-	

- 1/ Apply in spring following seeding.
- 2/ Apply in split applications when high rates are used.
- 3/ Apply in 3 split applications.
- 4/ Apply when plants are pruned.
- 5/ Apply to grass species only.
- 6/ Apply when plants grow to height of 2 to 4 inches.

Ds3 DUST CONTROL ON DISTURBED AREAS

PURPOSE

- A. To prevent surface and air movement of dust from exposed surfaces.
- B. To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

Temporary Methods

1. Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet.
2. Mulching - See Ds1 - Disturbed Area Stabilization (with Mulching only)
3. Vegetative Cover - See Ds2 - Disturbed Area Stabilization (with Temporary Seeding)

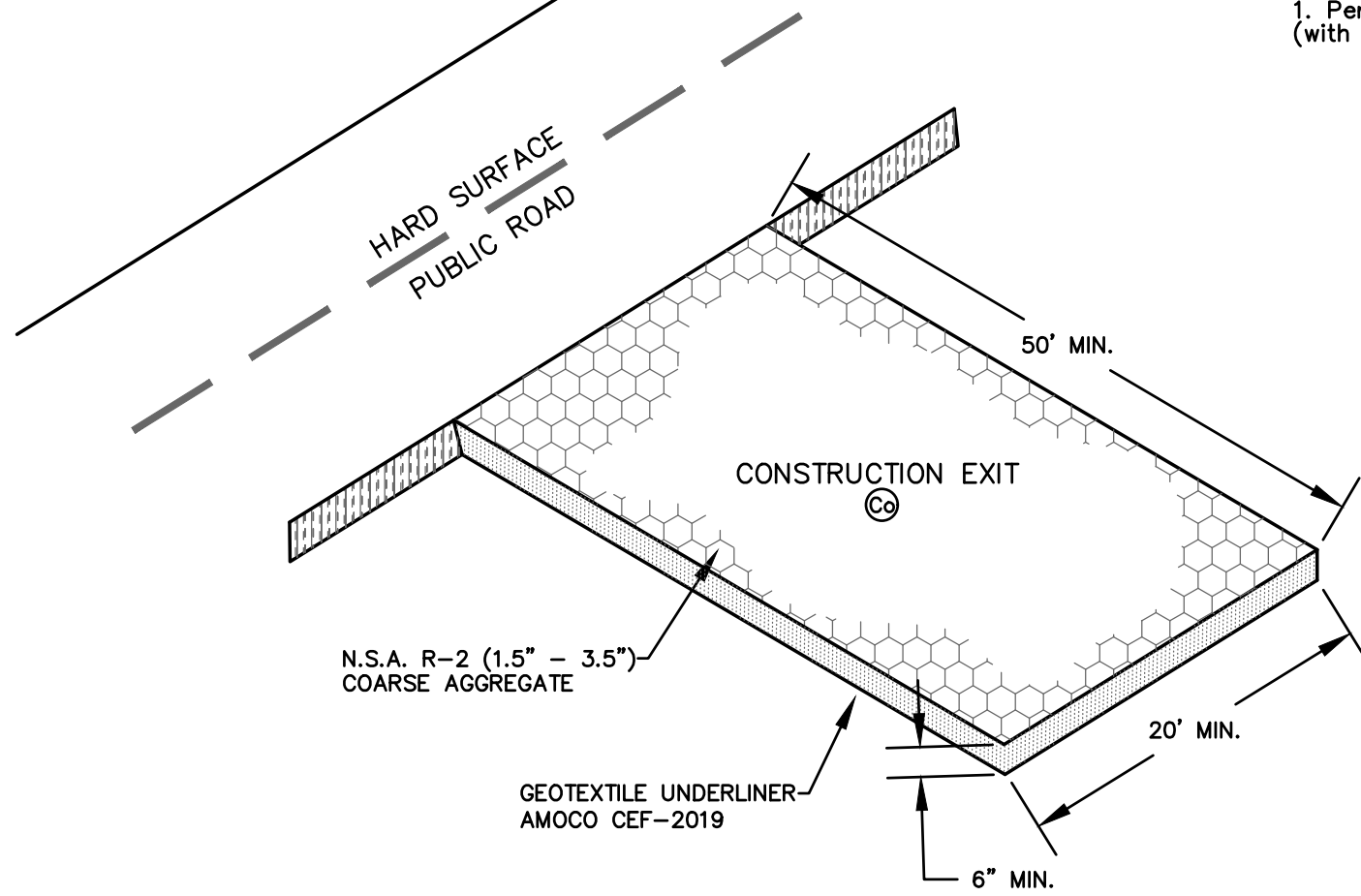
Permanent Methods

1. Permanent Vegetation - See Ds3 - Disturbed Area Stabilization (with Permanent Vegetation)

Ds3 SPECIES AND PLANTING SCHEDULE

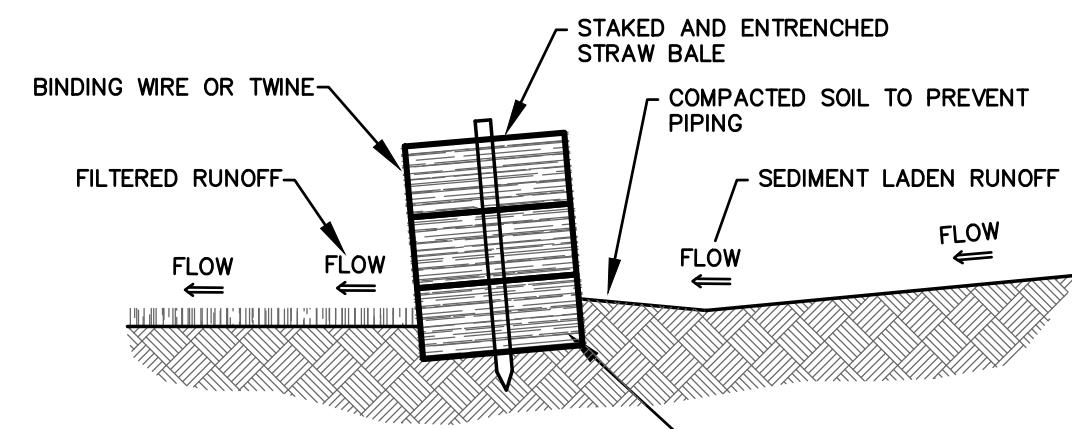
SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE PER 1000 S.F.		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS *												SPECIFICATIONS	
	PER ACRE	PER 1000 S.F.		J	F	M	A	M	J	J	A	S	O	N	D		
BERMUDA, COMMON HULLED SEED ALONE	10 LBS.	0.2 LB.	P C														1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
WITH OTHER PERENNIALS	6 LBS.	0.1 LB.	P C														
BERMUDA, COMMON UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS.	0.2 LB.	P C														PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA SPRIGS COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, TIFT 44	40 CU. FT. OR SOD PLUGS 3' X 3'	0.9 CU.FT.	M-L P C C														A CUBIC FT. CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATELY 800 SPRIGS. SAME AS ABOVE. SOUTHERN COASTAL PLAIN ONLY

* (DARK LINES REPRESENT OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)

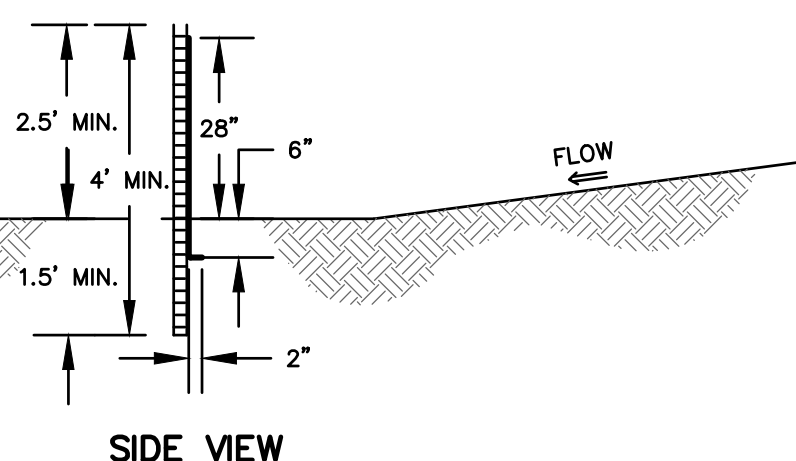


CRUSHED STONE CONSTRUCTION EXIT

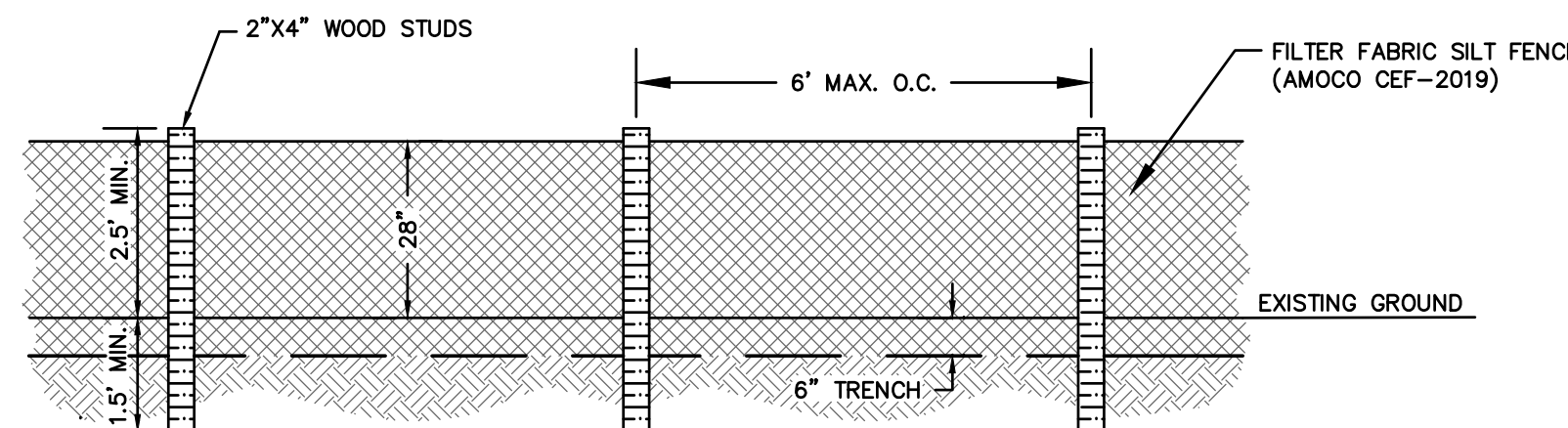
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SIDE VIEW



SIDE VIEW

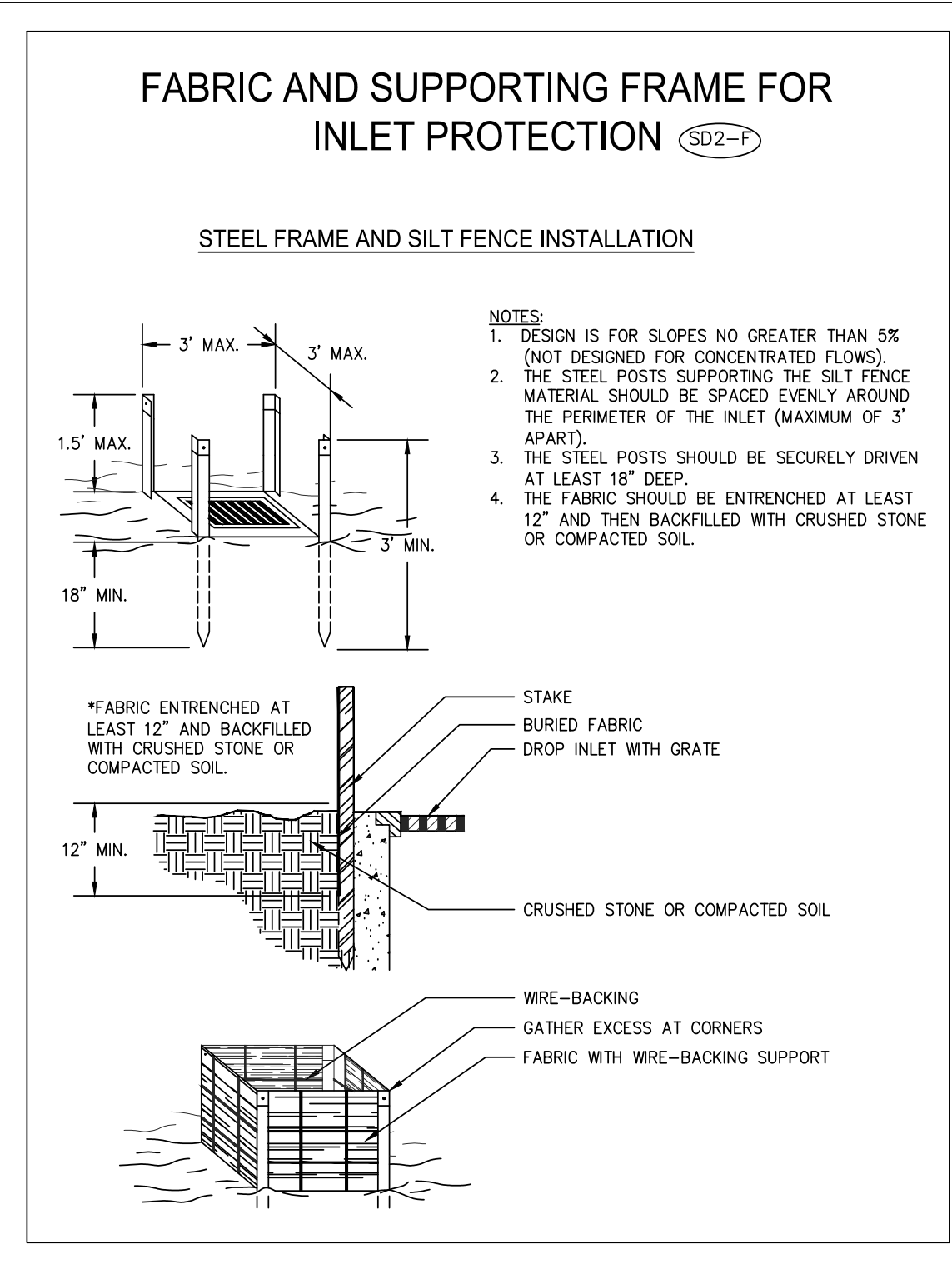


FRONT VIEW

SILT FENCE

Sd1 = TYPE "NS" (SD1-NS)

N.T.S.



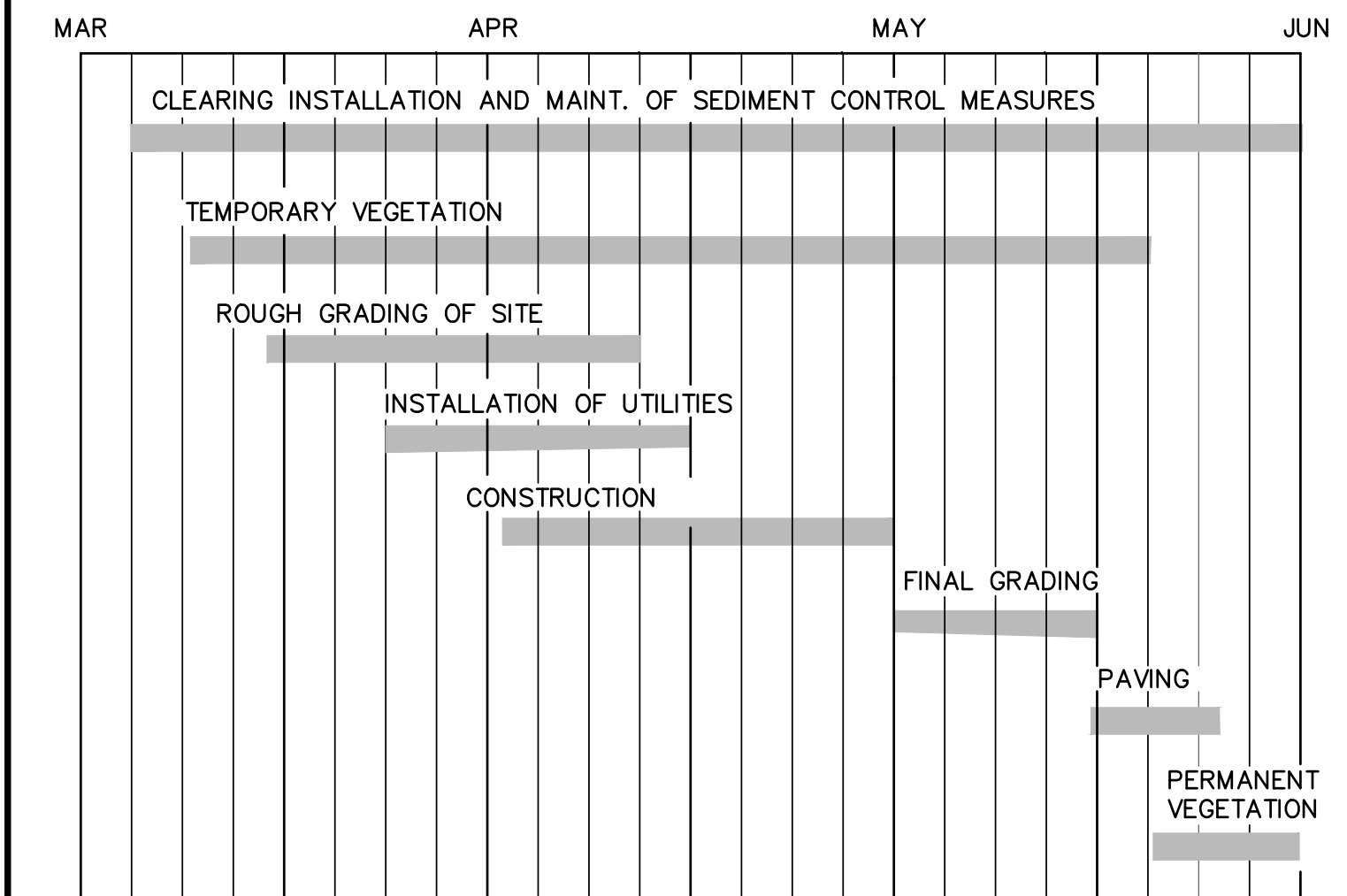
FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION (SD2-F)

STEEL FRAME AND SILT FENCE INSTALLATION

- NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

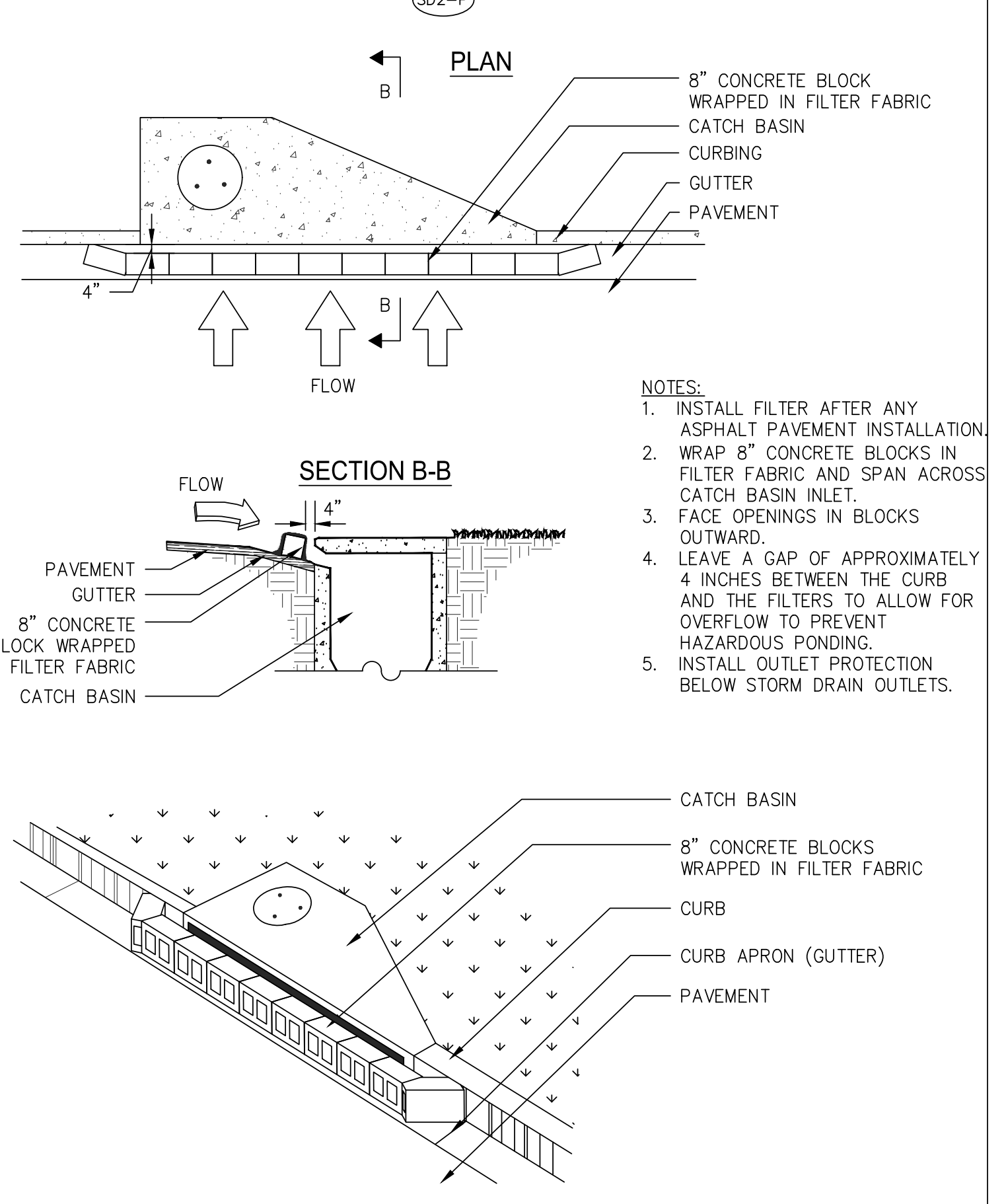
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309 NORTH MAIN ST. - P.O. BOX 649
HINESVILLE, GEORGIA 31313
912-368-5212

TOWER STREET RECONSTRUCTION FOR THE CITY OF FOLKSTON



*NO LDA'S WILL COMMENCE UNTIL AFTER THE INSTALLATION OF PERIMETER CONTROL/SEDIMENT STORAGE BMP'S PER PERMIT IV.D2.b PG30.

CURB INLET FILTER "PIGS IN BLANKET" (SD2-P)



- NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 3. FACE OPENINGS IN BLOCKS OUTWARD.
 4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

DRAWING COMPLETED BY: ELLIOTT WILSON
 REVISED: 1. GSWCC COMMENTS
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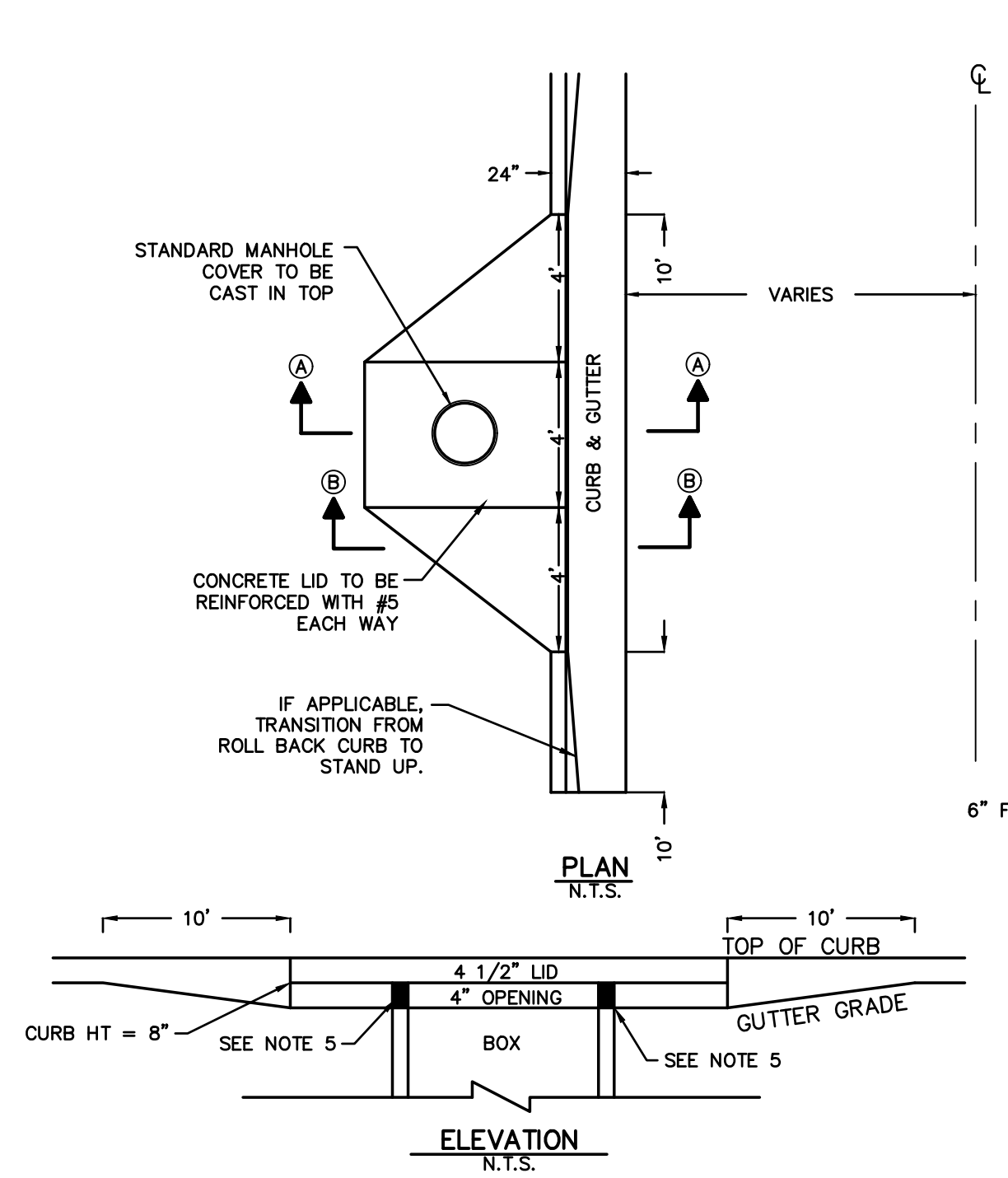


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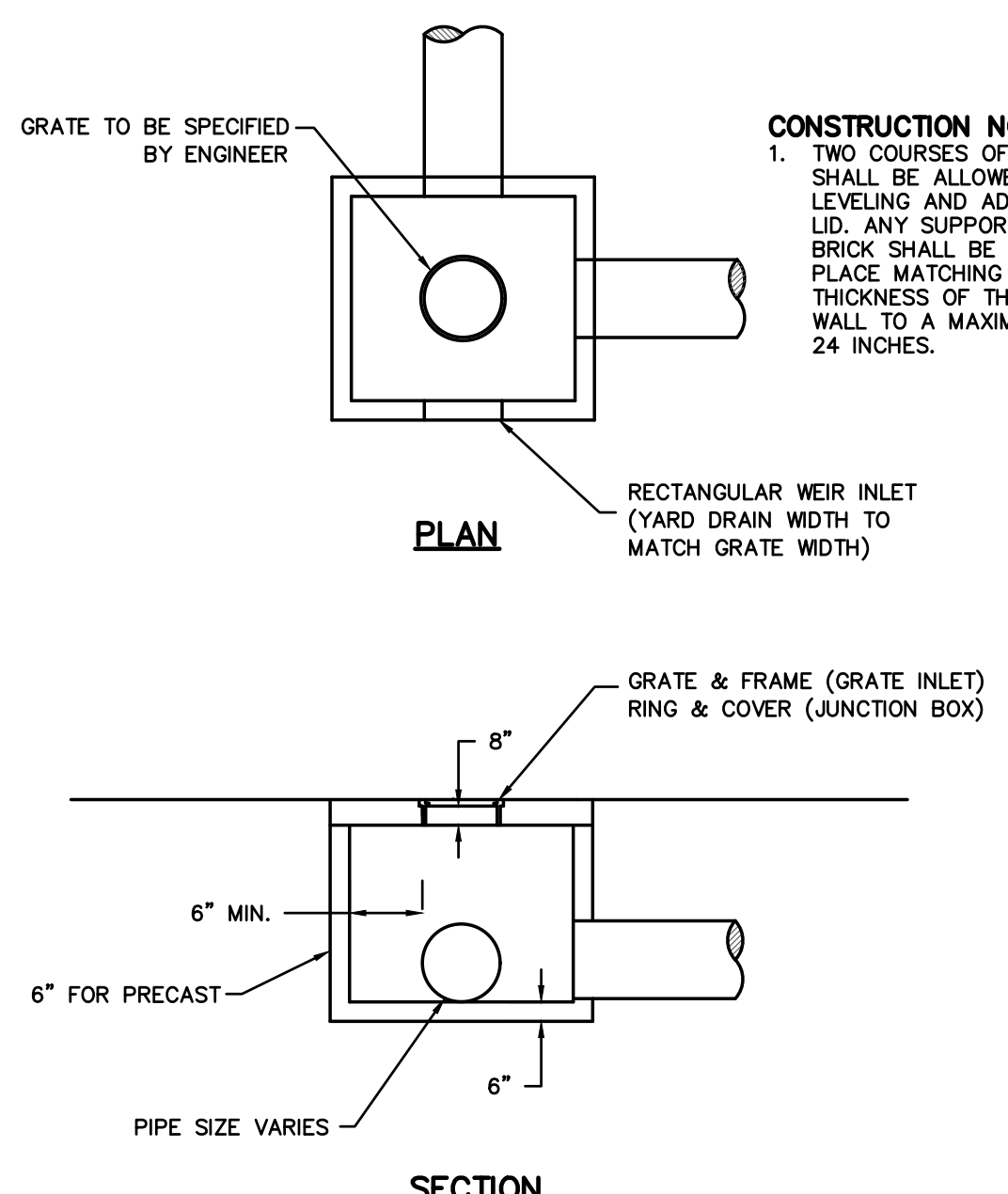
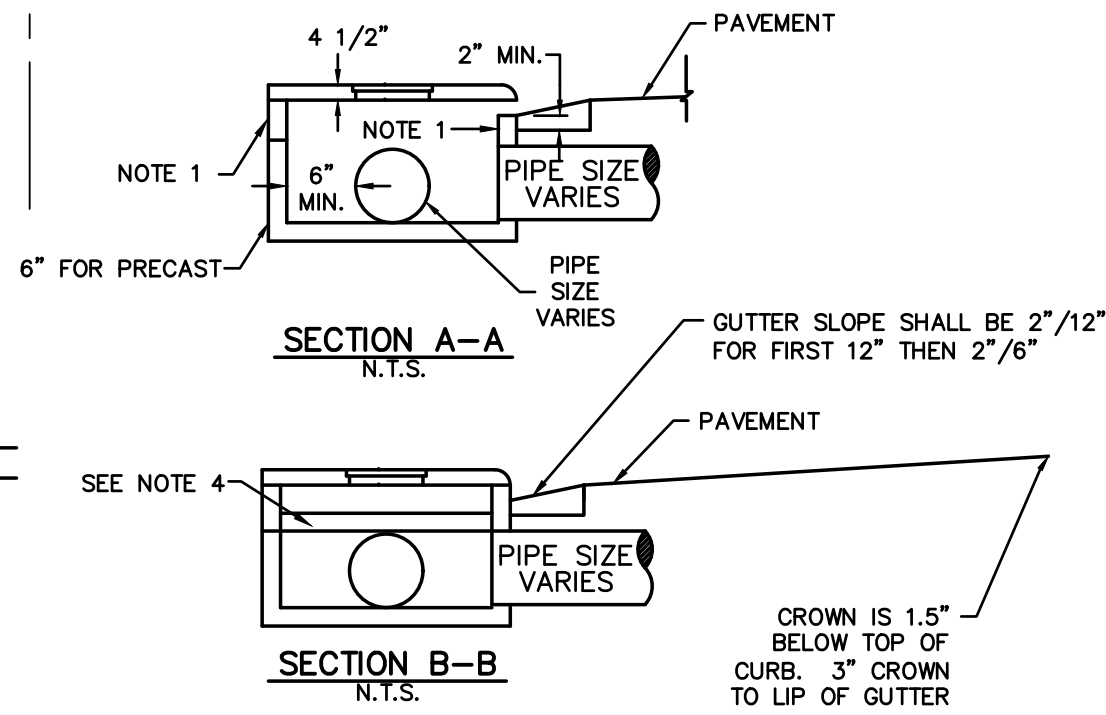
Tower Street Reconstruction
for
The City of Folkston
Charlton County, Georgia

Details
DATE: AUGUST 19, 2019
FILE NO: 2019-120PRJ
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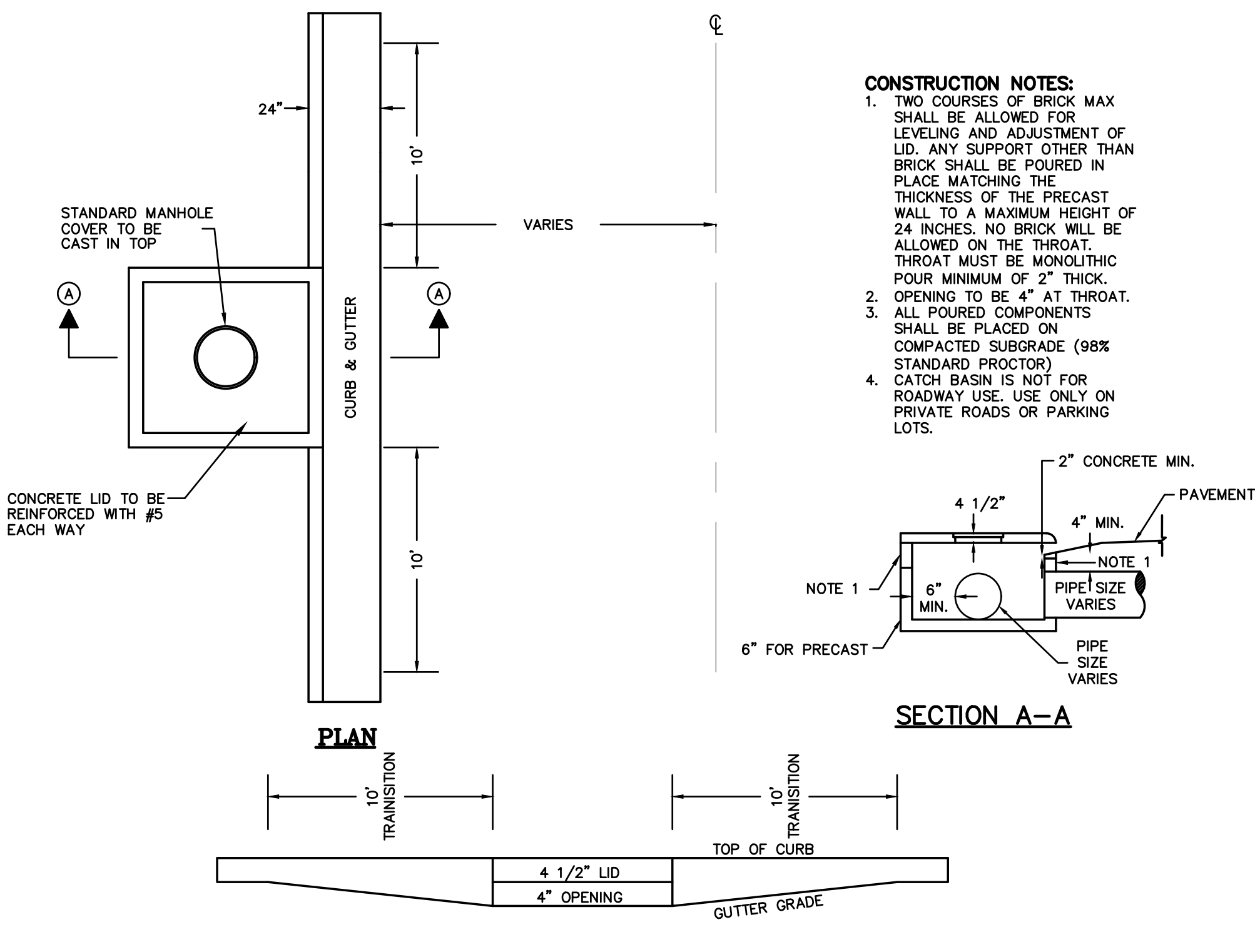
DOUBLE WING CATCH BASIN
N.T.S.

- CONSTRUCTION NOTES:**
- TWO COURSES OF BRICK MAX SHALL BE ALLOWED FOR LEVELING AND ADJUSTMENT OF LID. ANY SUPPORT OTHER THAN BRICK SHALL BE POURED IN PLACE MATCHING THE THICKNESS OF THE PRECAST WALL TO A MAXIMUM HEIGHT OF 24 INCHES. NO BRICK WILL BE ALLOWED ON THE THROAT. THROAT MUST BE MONOLITHIC POUR MINIMUM OF 2" THICK.
 - OPENING TO BE 4" AT THROAT. PAD UNDER WINGS SHALL BE 4" THICK POURED CONCRETE ON COMPACTED SUBGRADE. PAD TO BE SLOPED 1" PER FOOT MIN. AWAY FROM CURB. SLOPED 1/4" PER FT TOWARD BOX FROM ALL OTHER DIRECTIONS.
 - ALL POURED COMPONENTS SHALL BE PLACED ON COMPACTED SUBGRADE (98% STANDARD PROCTOR)
 - PVC SUPPORTS FILLED WITH CONCRETE SHALL BE PROVIDED AT EACH GUTTER SIDE BOX CORNER.



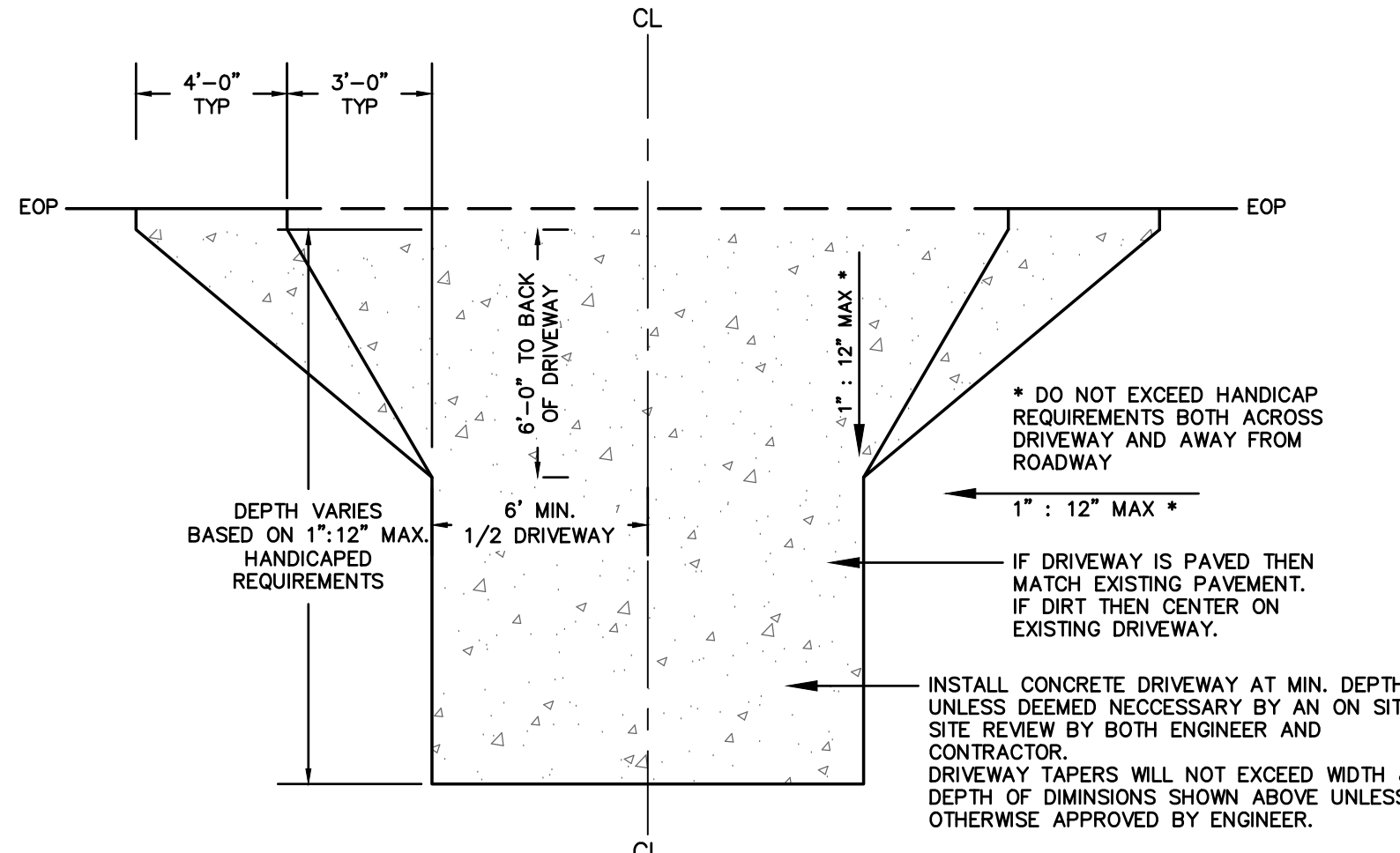
JUNCTION BOX / GRATE INLET
N.T.S.

- CONSTRUCTION NOTES:**
- TWO COURSES OF BRICK MAX SHALL BE ALLOWED FOR LEVELING AND ADJUSTMENT OF LID. ANY SUPPORT OTHER THAN BRICK SHALL BE POURED IN PLACE MATCHING THE THICKNESS OF THE PRECAST WALL TO A MAXIMUM HEIGHT OF 24 INCHES.

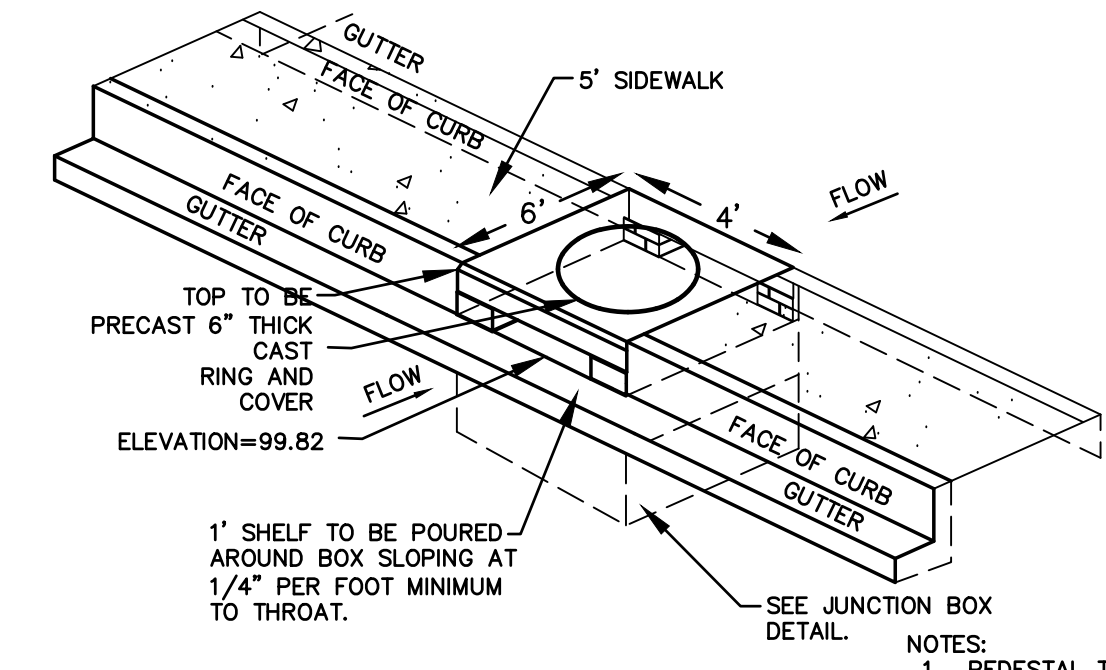


CATCH BASIN
N.T.S.

- CONSTRUCTION NOTES:**
- TWO COURSES OF BRICK MAX SHALL BE ALLOWED FOR LEVELING AND ADJUSTMENT OF LID. ANY SUPPORT OTHER THAN BRICK SHALL BE POURED IN PLACE MATCHING THE THICKNESS OF THE PRECAST WALL TO A MAXIMUM HEIGHT OF 24 INCHES. NO BRICK WILL BE ALLOWED ON THE THROAT. THROAT MUST BE MONOLITHIC POUR MINIMUM OF 2" THICK.
 - OPENING TO BE 4" AT THROAT.
 - ALL POURED COMPONENTS SHALL BE PLACED ON COMPACTED SUBGRADE (98% STANDARD PROCTOR)
 - CATCH BASIN IS NOT FOR ROADWAY USE. USE ONLY ON PRIVATE ROADS OR PARKING LOTS.

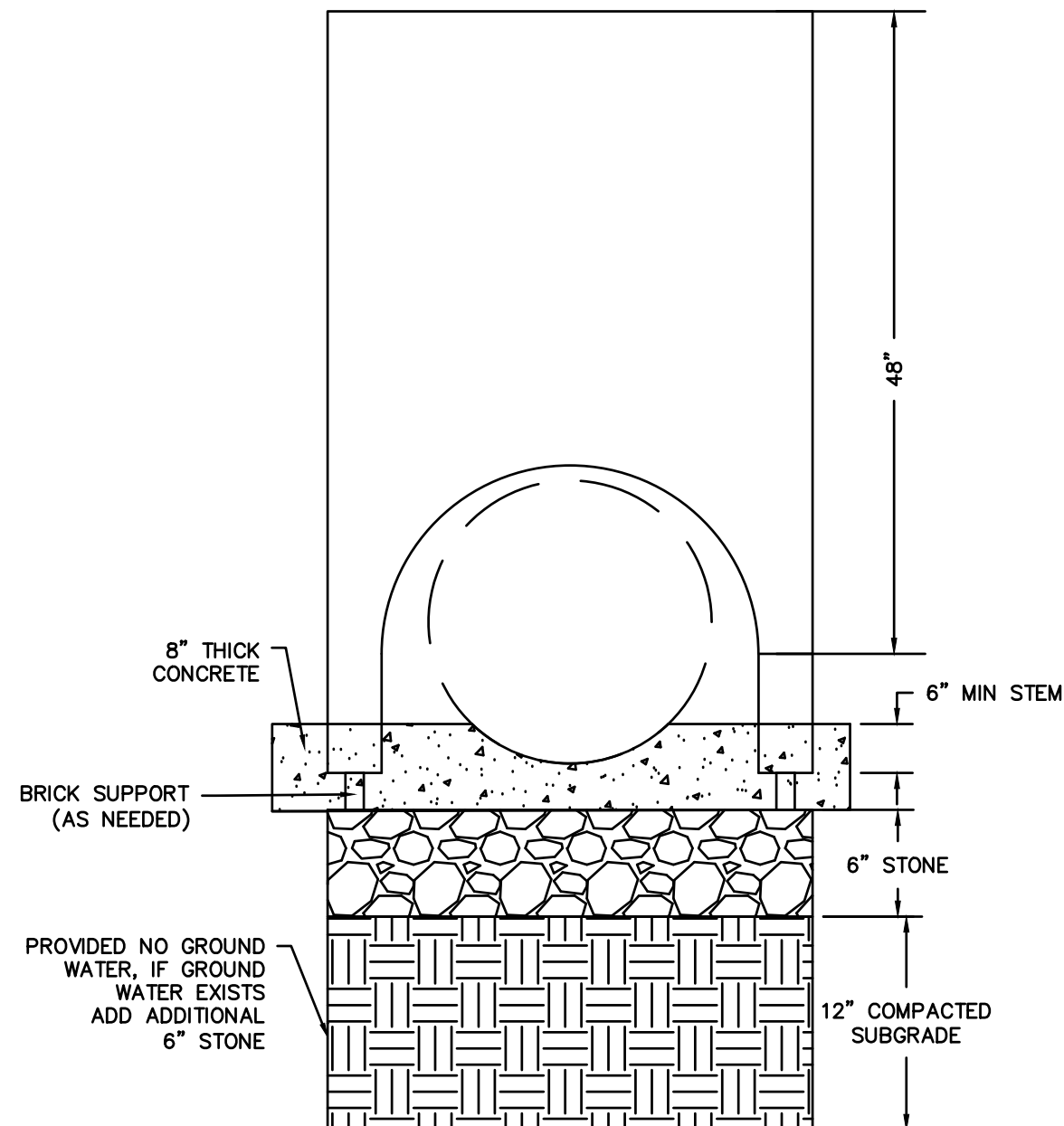


DRIVEWAY DETAIL
N.T.S.

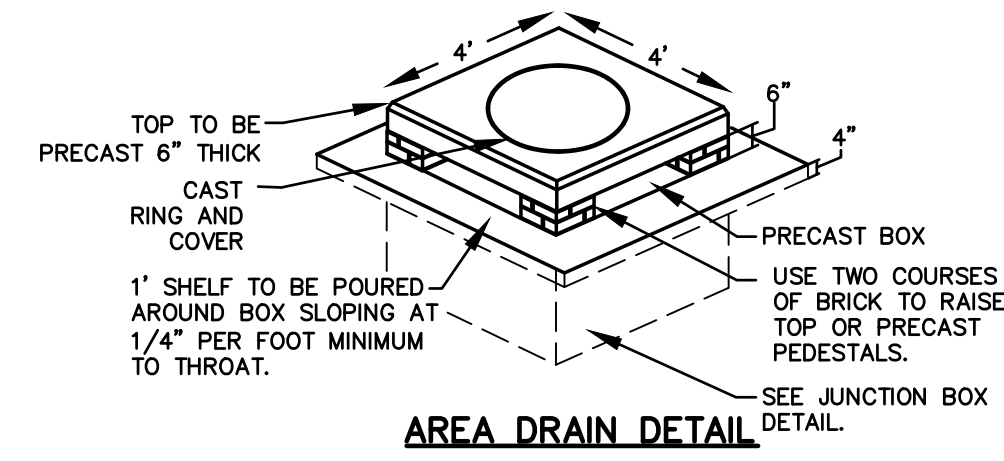


ST-7 6'x4' PT DETAIL
N.T.S.

- NOTES:**
- PEDESTAL TOP SHALL HAVE OPENINGS ON TWO SIDES FACING PARKING LOTS.
 - PEDESTAL TOP SHALL BE FLUSH WITH SIDEWALK.



DOGHOUSE DETAIL (ST-DH)
N.T.S.



AREA DRAIN DETAIL
N.T.S.

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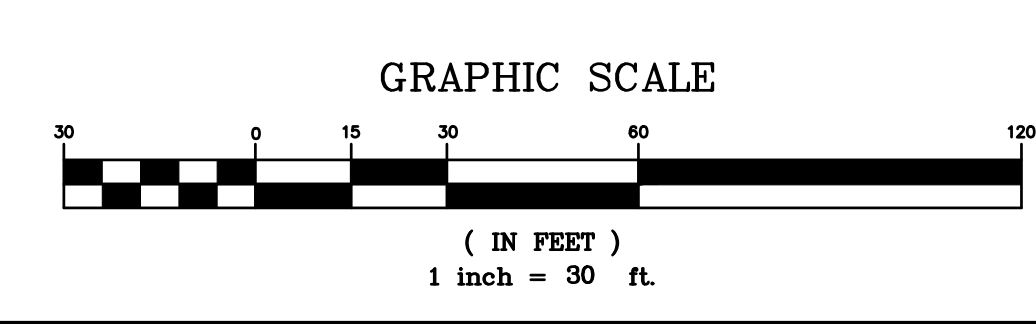
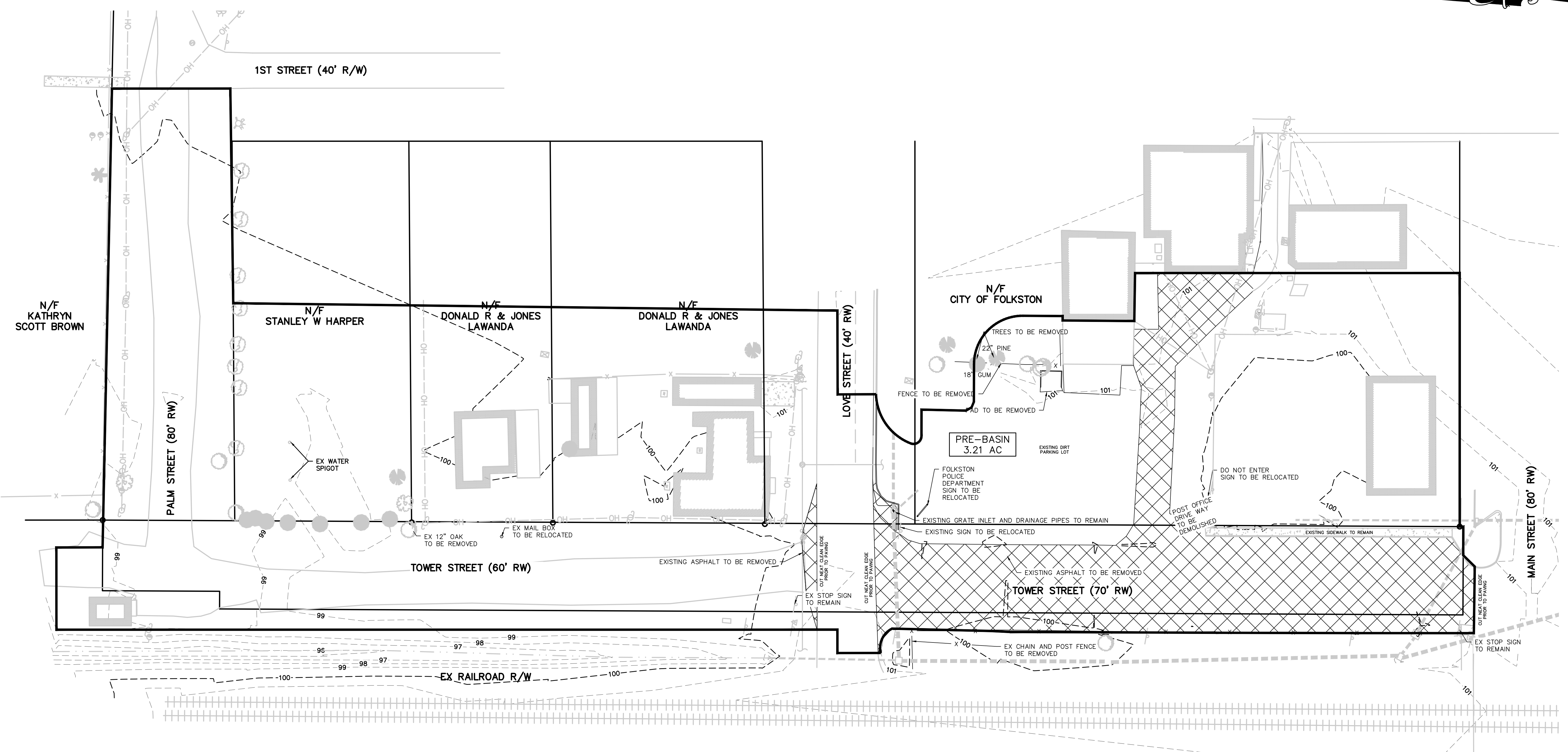


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Charlton County, Georgia

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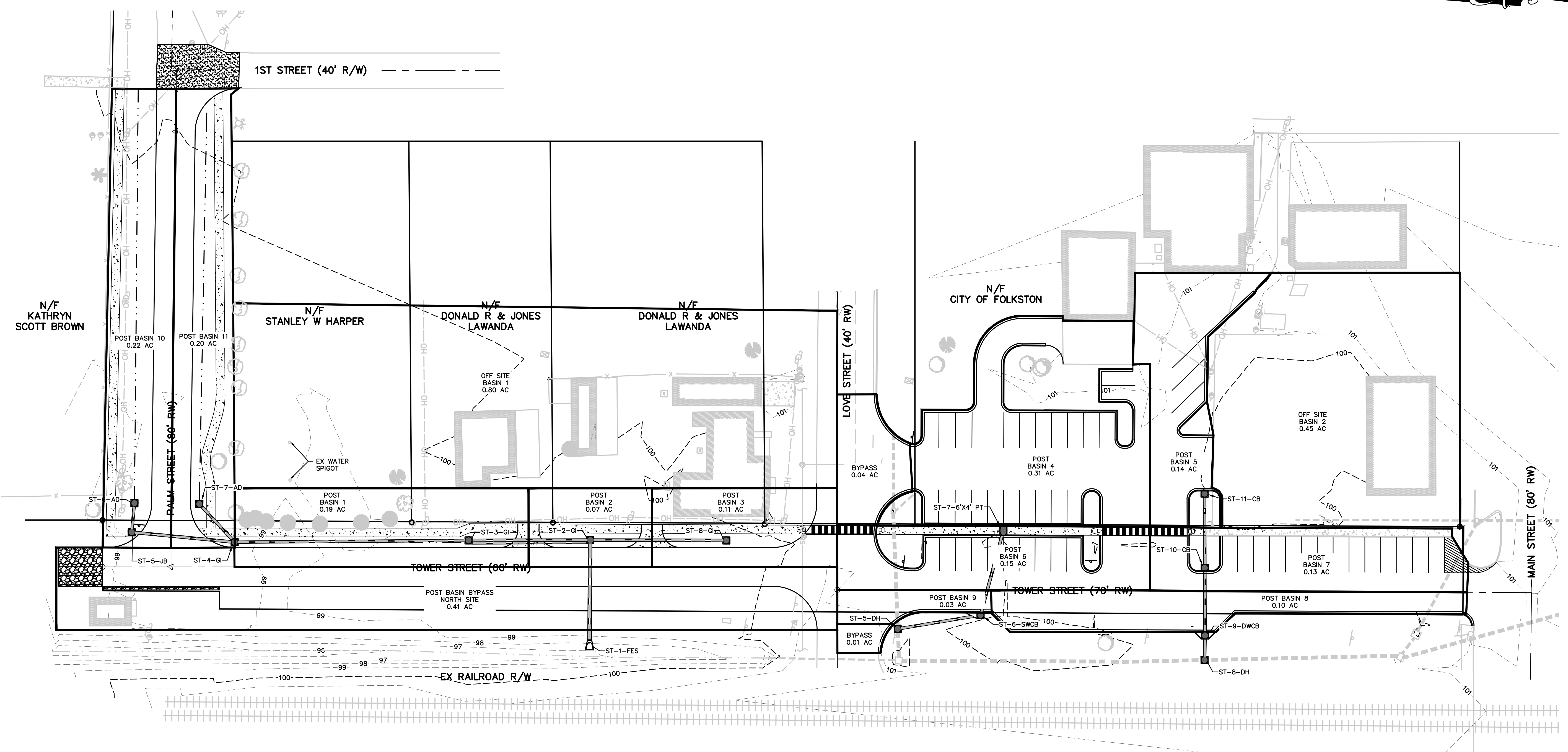
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Charlton County, Georgia

Post Basin Map

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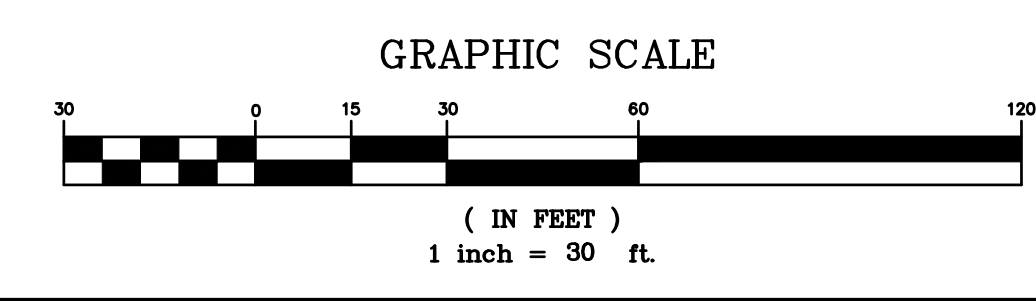
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Post Basin Map

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