

MANATEE COUNTY, FLORIDA

TARA 20 FORCE MAIN REPLACEMENT

STONE RIVER ROAD TO I-75

415-6079880

DECEMBER 2012

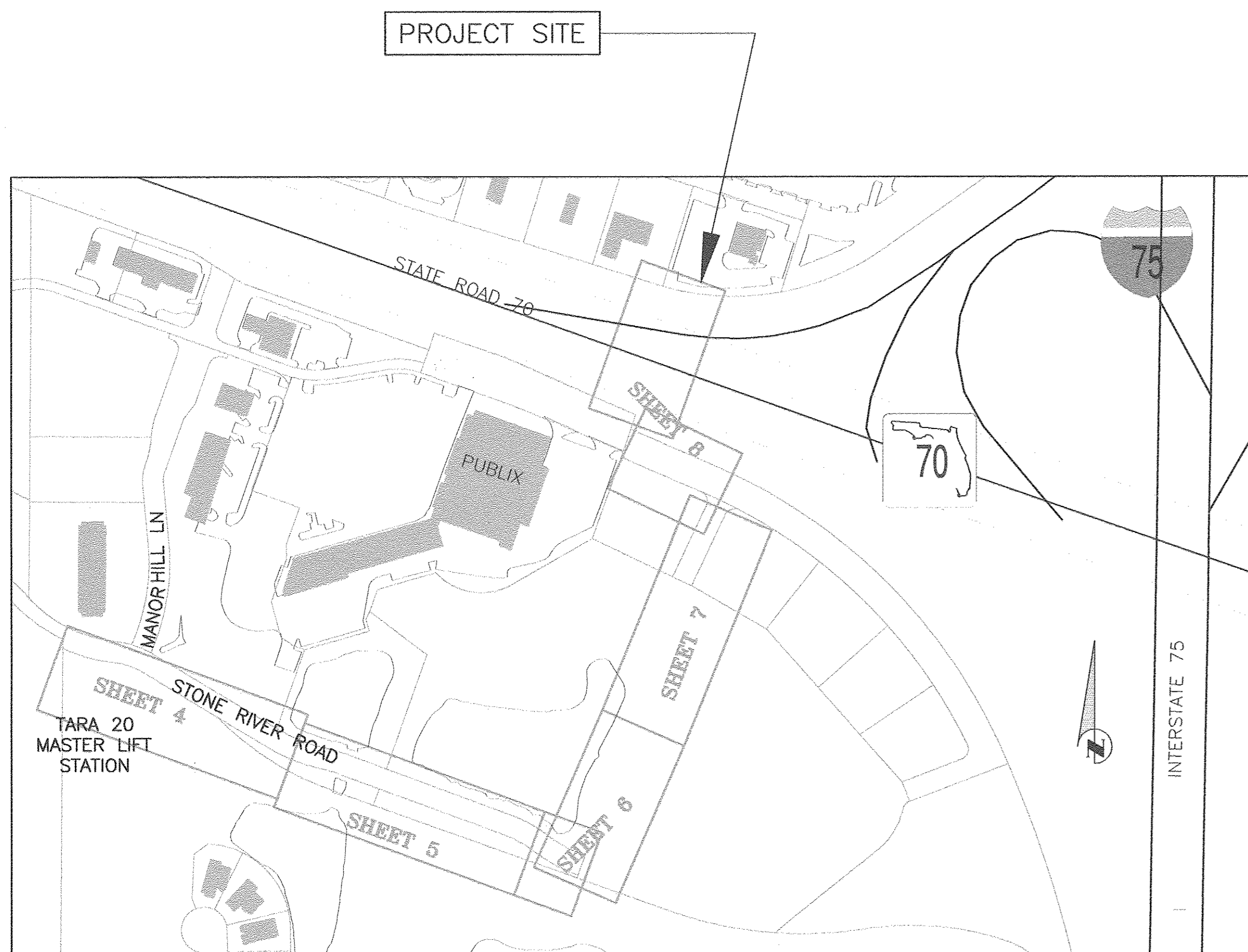
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

1022 26th Avenue East
Bradenton, FL 34208

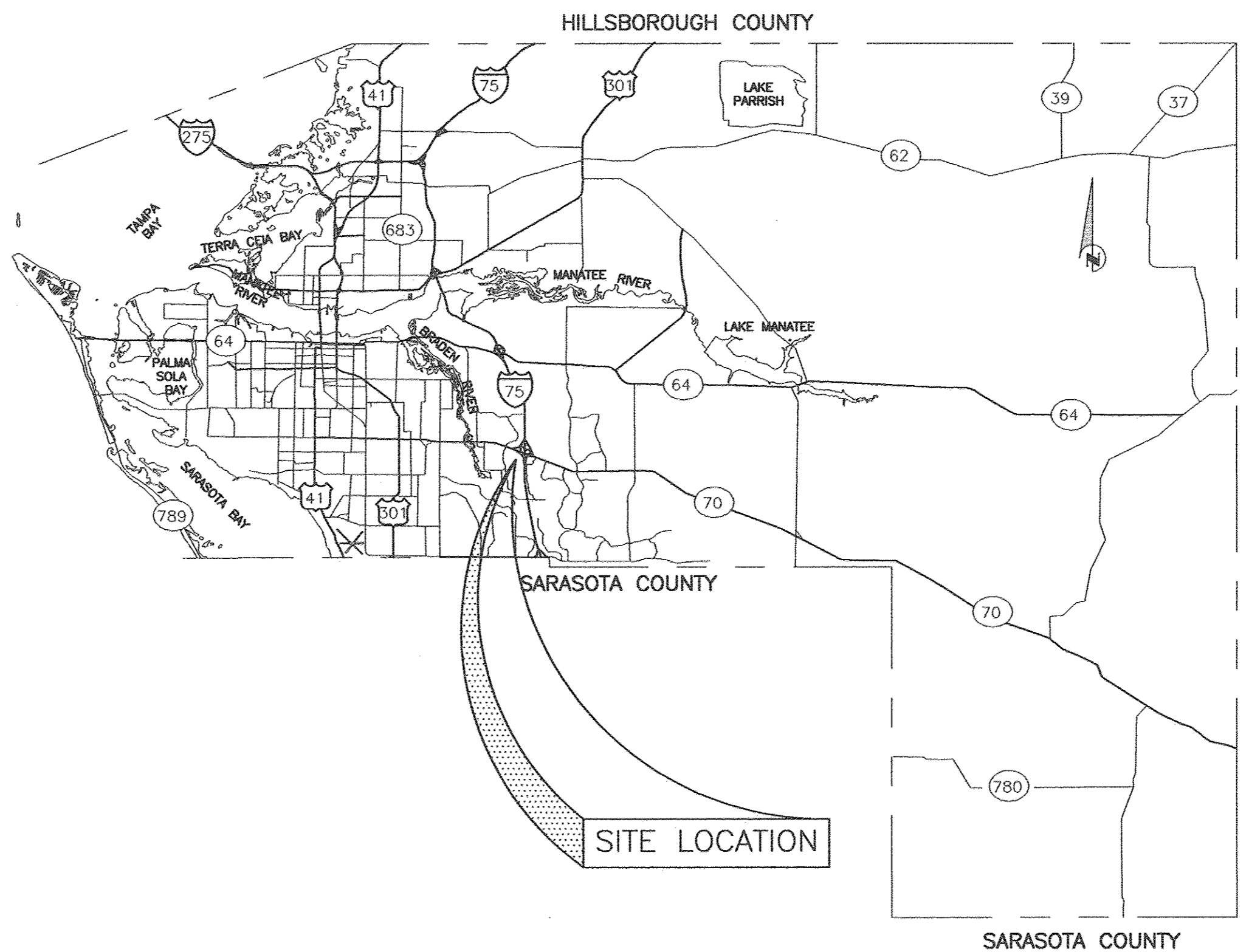
TARA 20 FORCE MAIN REPLACEMENT

STONE RIVER ROAD TO I-75

COVER SHEET



VICINITY MAP/SHEET INDEX
N.T.S.



NO.	INDEX OF SHEETS
1	COVER SHEET
3	SURVEY CONTROL
2	GENERAL NOTES & LEGEND
4	PLAN & PROFILE 10+00 TO 15+80
5	PLAN & PROFILE 15+80 TO 21+80
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7	PLAN & PROFILE 34+20 TO 38+90
8	PLAN & PROFILE 38+90 TO 43+60
9	DETAILS
10	EROSION CONTROL

PROJECT DESCRIPTION

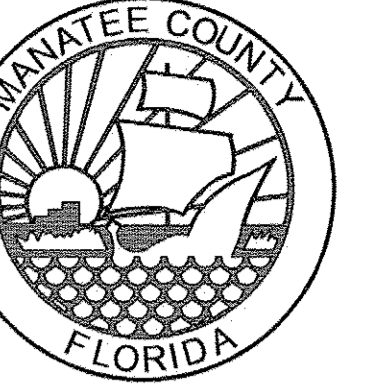
INSTALL APPROXIMATELY 3000 LF OF 24" FORCE MAIN. PROPOSED EASEMENTS SHOWN ON THE PLANS WILL BE ACQUIRED BY MANATEE COUNTY PRIOR TO START OF CONSTRUCTION.

NO.	DATE	BY	REVISION DESCRIPTION

PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE	1"=20'
SURVEYED	JG/ZNS 12/1/11
DESIGNED	JDS 01/12/12
DRAWN	BLR 07/19/12
CHECKED	----

JAMES STOKWELL, P.E.
Professional Engineer
No. 27888
State of Florida
Date: _____

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TARA 20 FORCE MAIN REPLACEMENT STONE RIVER ROAD TO I-75 SURVEY CONTROL

SURVEYOR'S REPORT

FORCE MAIN - TARA BOULEVARD
MANATEE COUNTY PROJECT NO. 60798
ZNS File No. 00-42783

I hereby certify that:

1. I am a Professional Surveyor and Mapper, registered in the State of Florida, holding Certificate No. PSM 4295 and that I am acting on behalf of ZNS Engineering, L.C., a corporation authorized to offer services of registered Surveyors and Mappers in the State of Florida, holding L.B. No. 6982.
2. This certificate is made to Topographic Survey of Tara 20 lift station (RTU 323) and proposed force main. Route of survey is easterly 1300 feet along Stone River Drive, then northerly to the vicinity of the intersection of Jenny Lane & S.R. #70, then continuing north of S.R. #70. Survey was prepared for installation of a force main and was completed November 11, 2011.
3. I hereby certify that the survey prepared under my direct supervision (Project No. 60798) is to the best of my knowledge, information and belief, a true and correct representation of the existing improvements shown and meets the requirements of Chapter 53-17, Florida Administrative Code, as it pertains to Topographic Surveys.
4. The bearings shown are based on the survey baseline of Stone River Road from Station 12+14.52 to Station 15+60.47 having a bearing of S 59° 13' 27" E and are related to Florida State Plane Coordinate System, (West Zone) NAD 83/90. Derived from Control Monument G. Stroop CORS APR(DL7628).
5. Elevations shown are based on 1929 NGVD. The Benchmarks these elevations are derived from are:
 - ZNS Plat Benchmark, concrete monument @ SE corner of Lot 3, Creekwood West Commercial, Phase 1, Elevation= 27.46'
 - NGS (National Geodetic Survey) Benchmark T 641, Elevation = 30.39'
6. Improvements such as, but not limited to, landscape features and subsurface improvements have not been located except as shown. The location of all subsurface improvements (utilities) should be verified in the field prior to any excavation.
7. No ownerships of record reflecting easements, rights of way, and/or ownership are known by, or were furnished to this surveyor, except as shown hereon.
8. Monuments at property corners depicted were nor recovered or set, unless noted.

9. Parcel information shown hereon was gathered from the Manatee County Geographic Information System Property Information web site.

10. This survey does not warranty title, zoning easements or ownership.

11. Project Benchmarks are as follows:

10+00, 0' right Benchmark nail and disk / EL= 22.39

10+53.3 151.1' right Plat Benchmark #1 Tara Commercial Two, top of sanitary air release valve / EL = 20.27

17+48.8, 0' right Benchmark nail and disk / EL = 23.74

23+25.30 Back/30+00.00 Ahead, 0' right Benchmark nail and disk / EL = 23.79

34+79.2, 672.6' right Plat Benchmark Tara Commercial Three, Lots 1-7, square cut in Northeast corner of catch basin / EL = 26.87

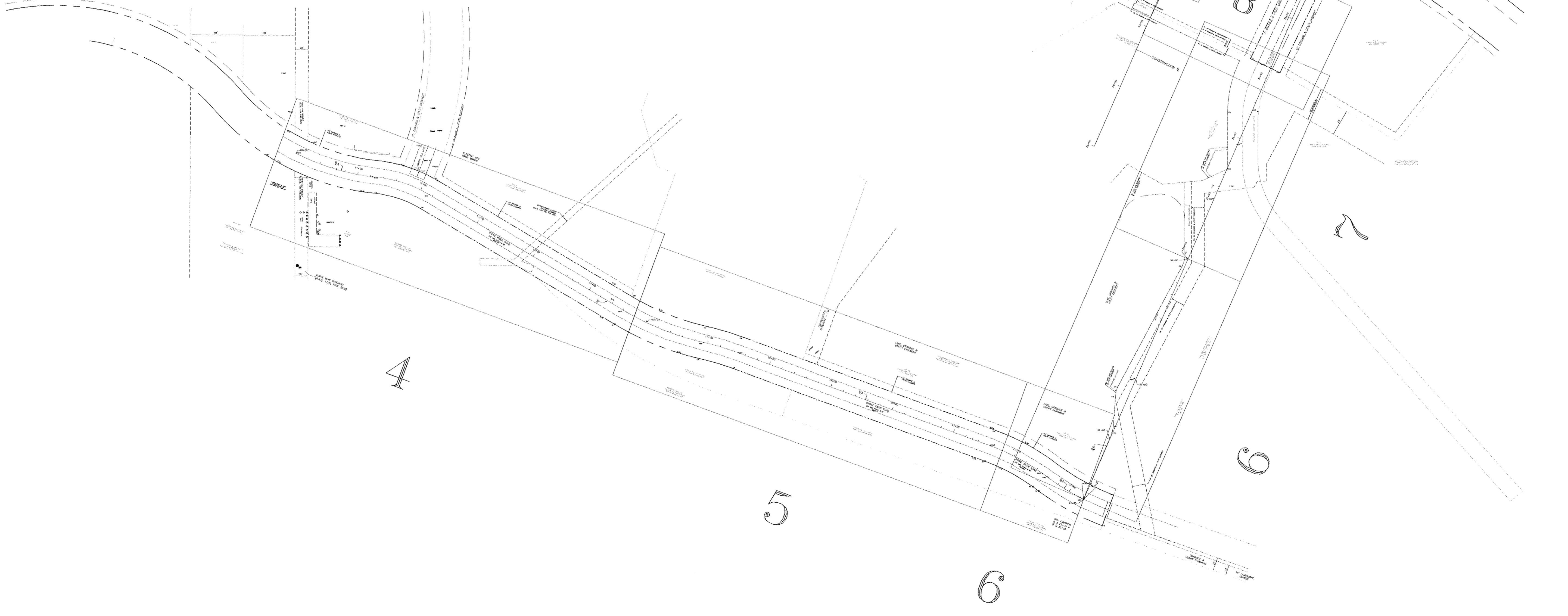
38+79.0, 269.6' right Benchmark square cut on headwall / EL = 31.74

39+56.77, 0' right Benchmark nail and disk / EL = 27.21

44+02.2, 55.8' right Benchmark nail and disk in outfall control structure / EL = 31.58

Date: December 1, 2011

[Signature]
James N. Gatch, PSM
Professional Surveyor and Mapper
Florida License No. 4295



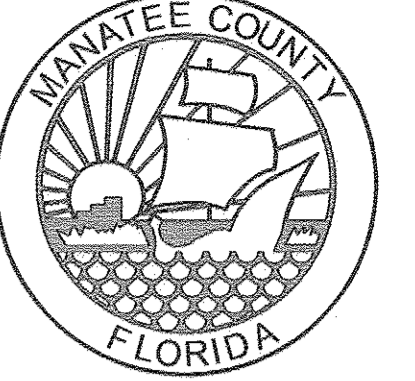
NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE	1"=80'
SURVEYED	JG/ZNS 12/1/11
DESIGNED	JDS 01/12/12
DRAWN	BLR 07/19/12
CHECKED	----

JAMES STOCKWELL, P.E.
FLORIDA LICENSE # 67198

James Stockwell
Professional Engineer
FLORIDA LICENSE # 67198

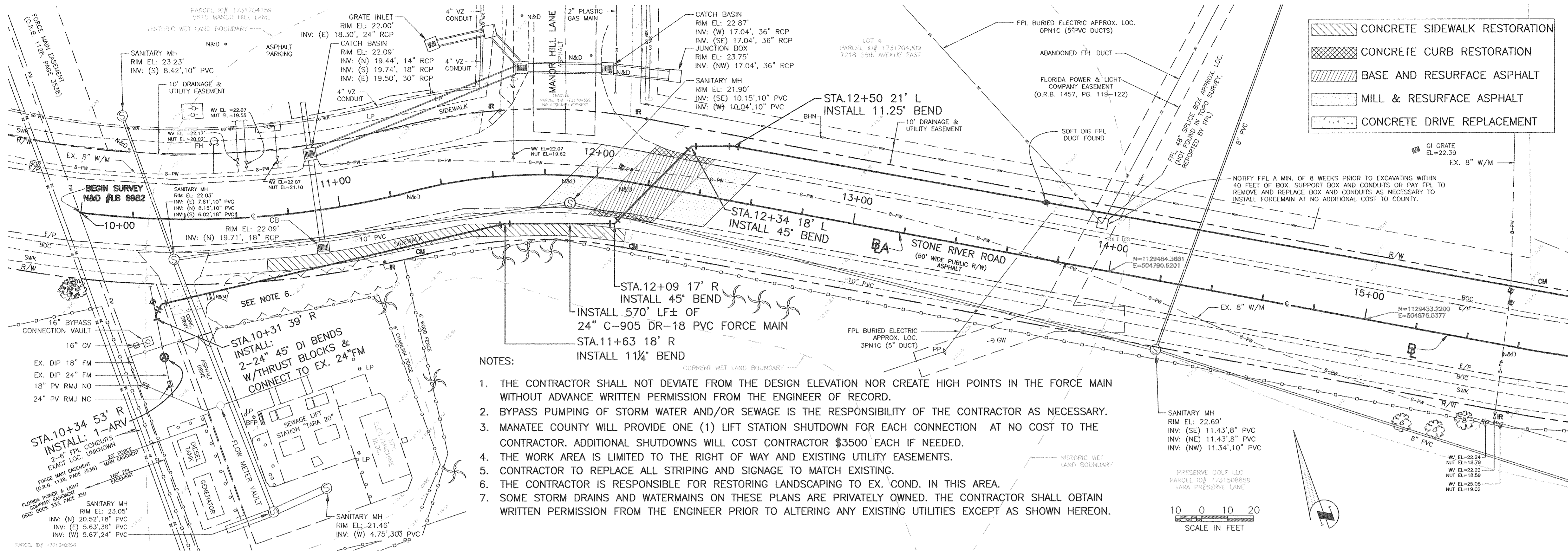
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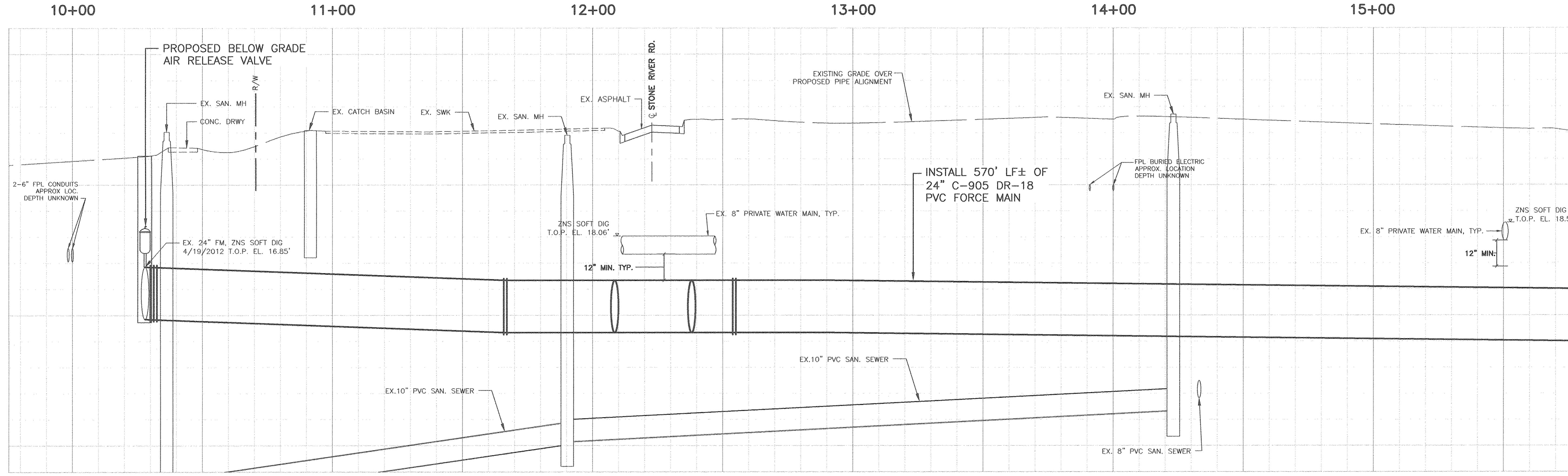
TARA 20 FORCE MAIN REPLACEMENT

STONE RIVER ROAD TO I-75

PLAN & PROFILE 10+00 TO 15+80



- NOTES:
1. THE CONTRACTOR SHALL NOT DEVIATE FROM THE DESIGN ELEVATION NOR CREATE HIGH POINTS IN THE FORCE MAIN WITHOUT ADVANCE WRITTEN PERMISSION FROM THE ENGINEER OF RECORD.
 2. BYPASS PUMPING OF STORM WATER AND/OR SEWAGE IS THE RESPONSIBILITY OF THE CONTRACTOR AS NECESSARY.
 3. MANATEE COUNTY WILL PROVIDE ONE (1) LIFT STATION SHUTDOWN FOR EACH CONNECTION AT NO COST TO THE CONTRACTOR. ADDITIONAL SHUTDOWNS WILL COST CONTRACTOR \$3500 EACH IF NEEDED.
 4. THE WORK AREA IS LIMITED TO THE RIGHT OF WAY AND EXISTING UTILITY EASEMENTS.
 5. CONTRACTOR TO REPLACE ALL STRIPING AND SIGNAGE TO MATCH EXISTING.
 6. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING LANDSCAPING TO EX. COND. IN THIS AREA.
 7. SOME STORM DRAINS AND WATERMANS ON THESE PLANS ARE PRIVATELY OWNED. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE ENGINEER PRIOR TO ALTERING ANY EXISTING UTILITIES EXCEPT AS SHOWN HEREON.

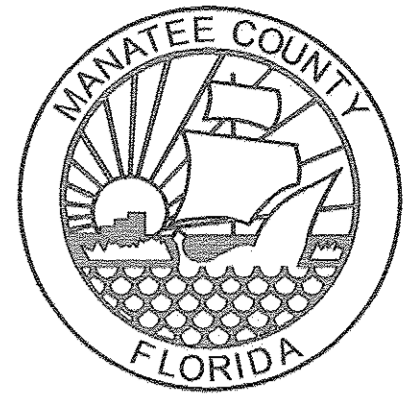


NO.	REVISION DESCRIPTION	BY	DATE

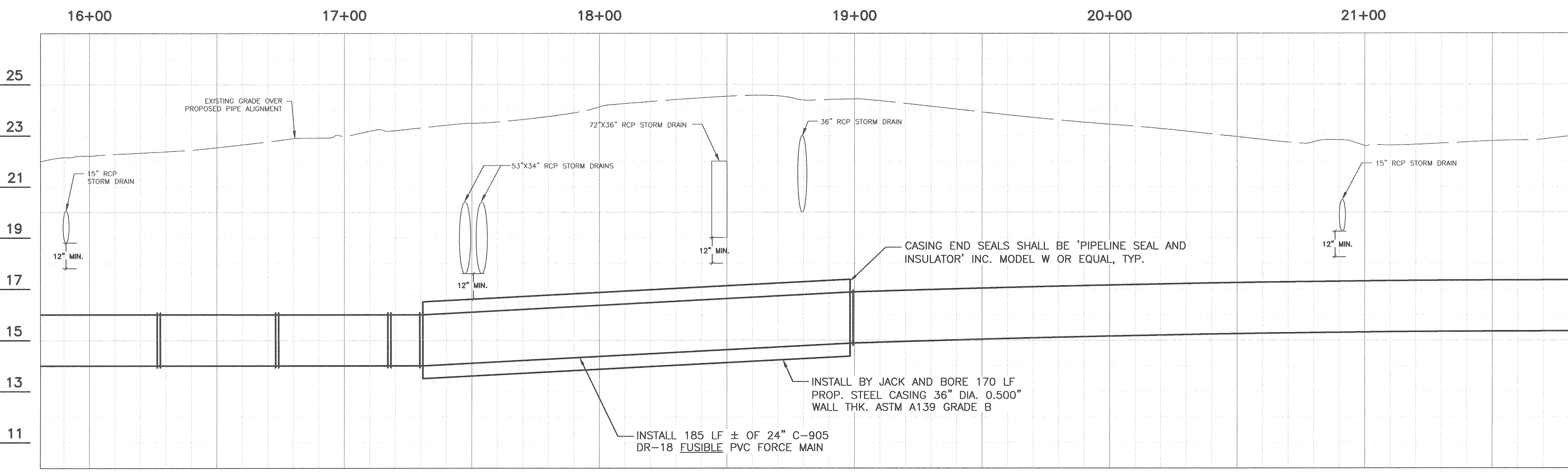
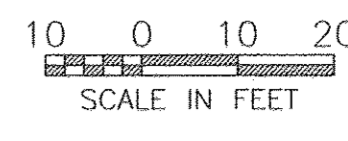
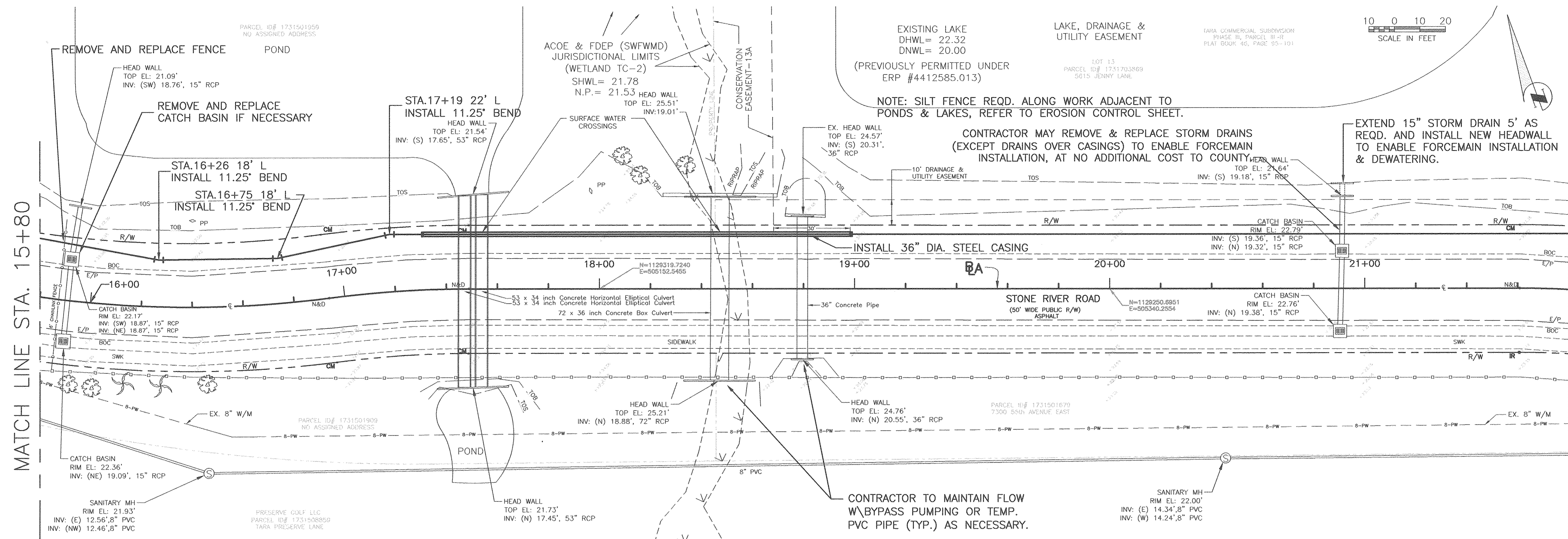
PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE HORZ.	1"=20'
SCALE VERT.	1"=2'
BY	DATE
SURVEYED	JG/ZNS 12/1/11
DESIGNED	JDS 01/12/12
DRAWN	BLR 07/19/12

JAMES STOCKWELL, P.E.

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TARA 20 FORCE MAIN REPLACEMENT
STONE RIVER ROAD TO I-75
PLAN & PROFILE 15+80 TO 21+80

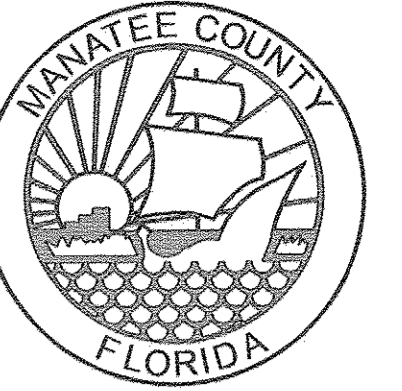


NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE HORZ.	1"=20'
SCALE VERT.	1"=2'
SURVEYED	JG/ZNS 12/1/11
DESIGNED	JDS 01/12/12
DRAWN	BLR 07/19/12

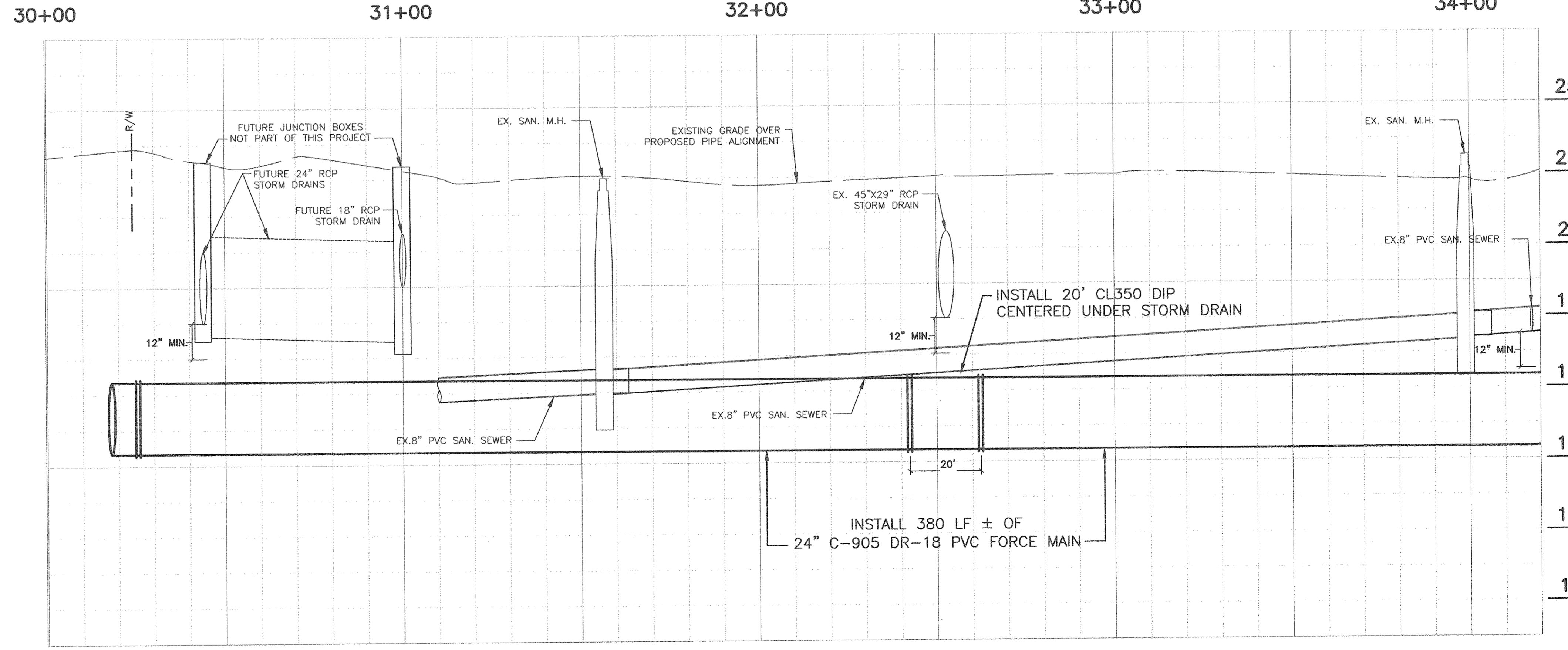
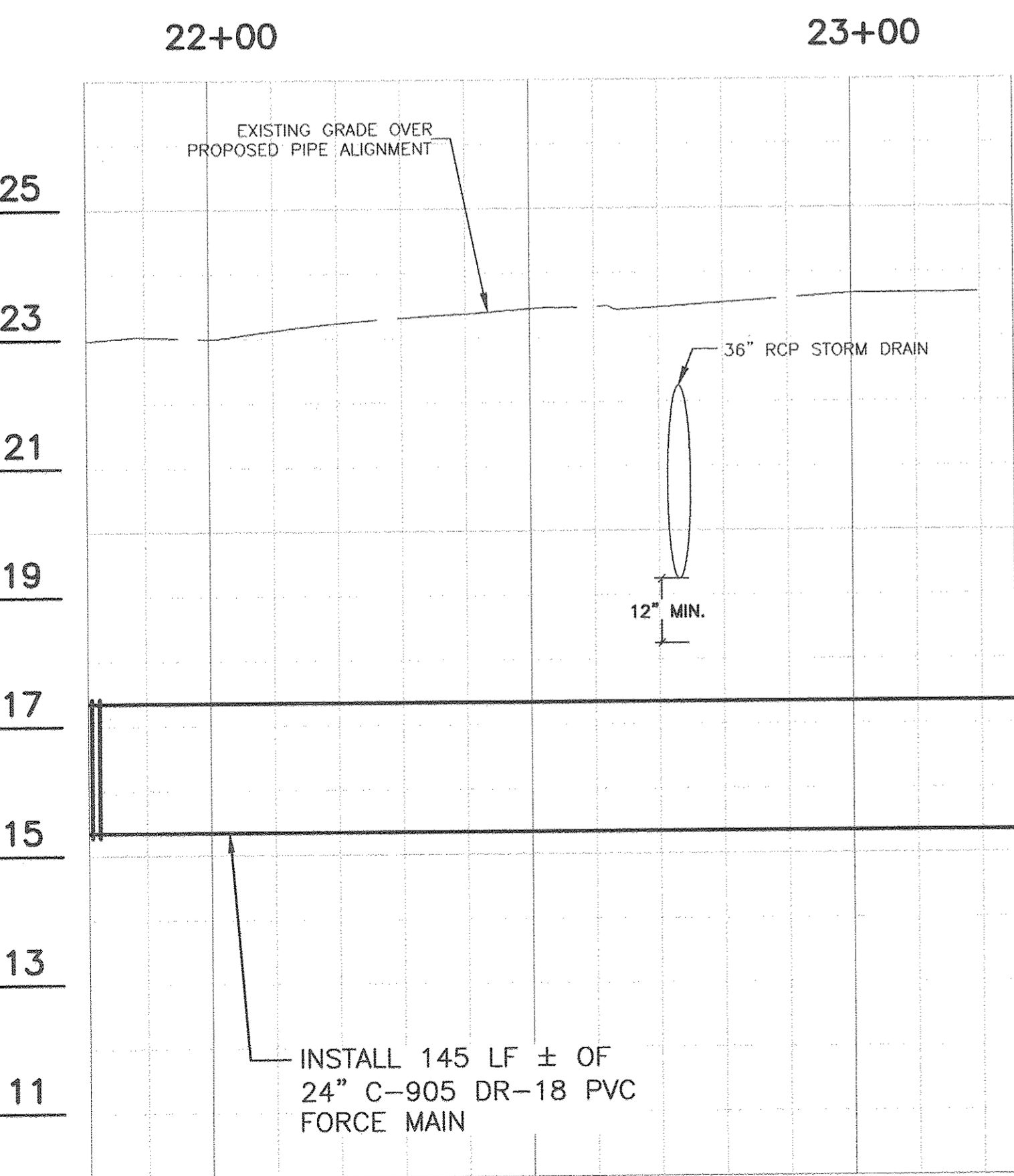
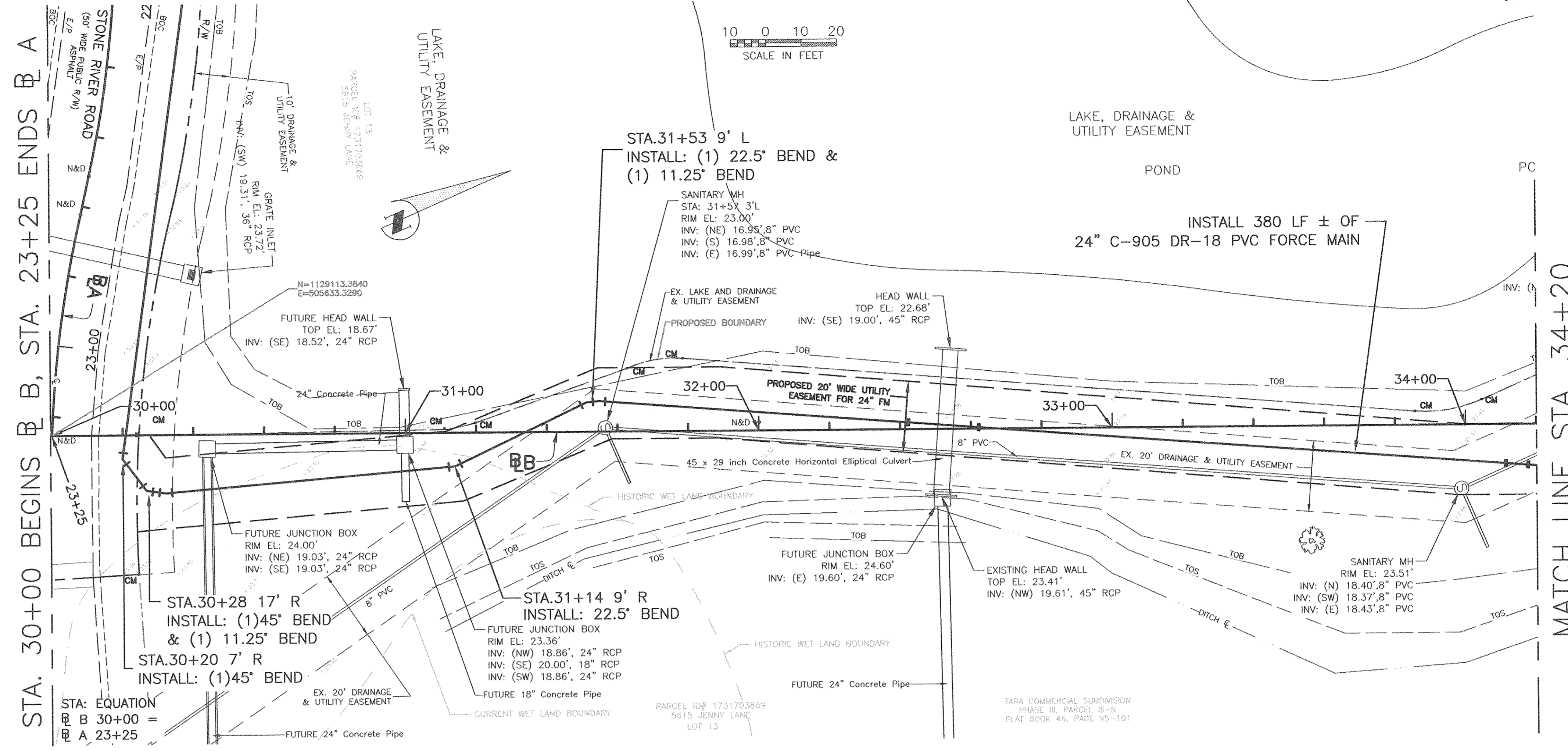
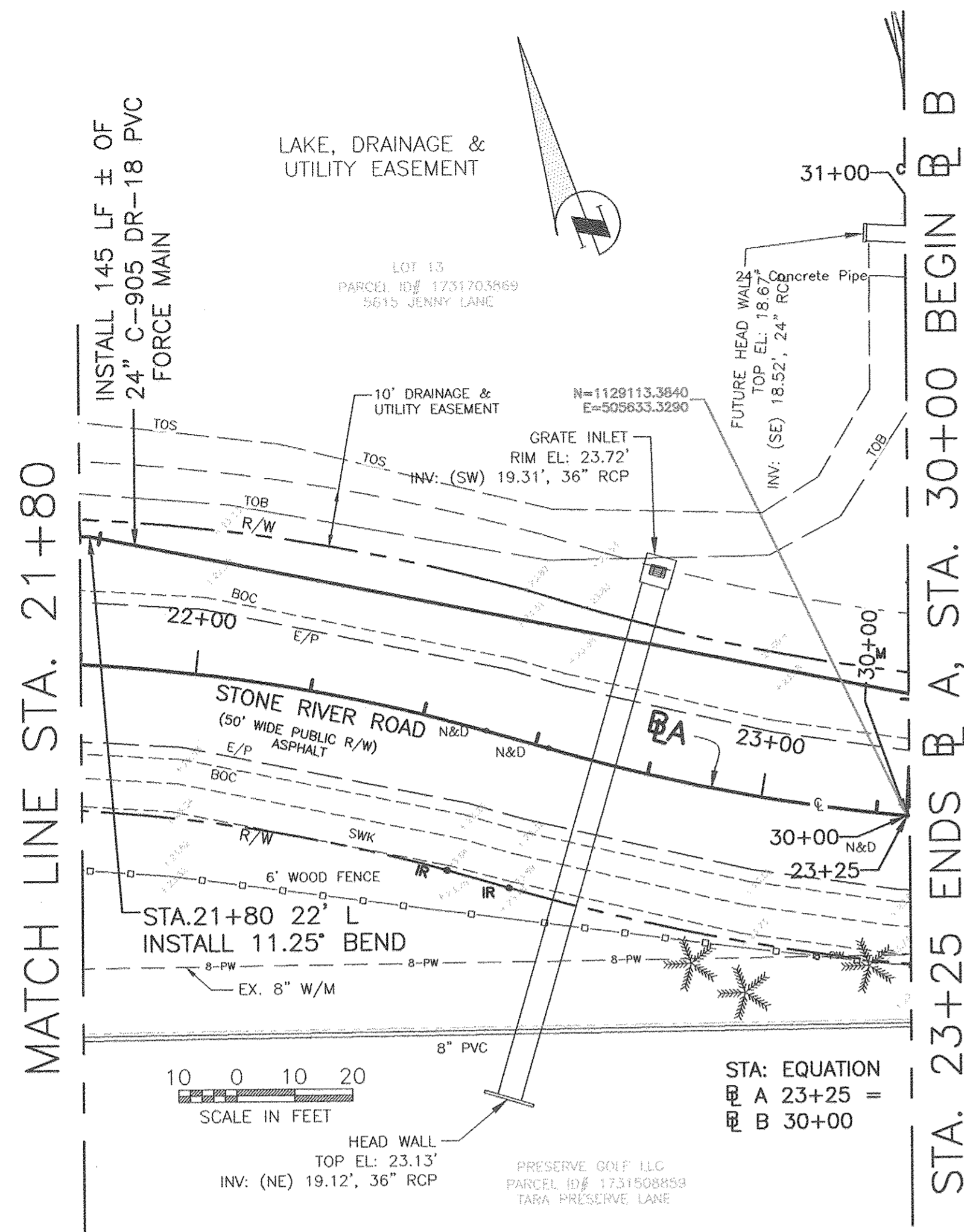
JAMES STOCKWELL, P.E.
FLORIDA PROFESSIONAL ENGINEER #67198

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TARA 20 FORCE MAIN REPLACEMENT

**STONE RIVER ROAD TO I-75
PLAN & PROFILE 21+80 TO 34+20**



NO.	REVISION DESCRIPTION	BY	DATE
11			
13			
15			
17			
19			
21			
23			
25			

PROJECT # 415-6079880
SURVEY # 6079880
SEC./TWN./RGE 13&14/35S/18E
SCALE HORZ. 1"=20'
SCALE VERT. 1"=2'

	BY	DATE
SURVEYED	JC/ZNS	12/1/11
DESIGNED	JDS	01/12/12
DRAWN	BLR	07/19/12

JAMES STOCKWELL, P.E.
FLORIDA PROFESSIONAL ENGINEER NO. 11617198

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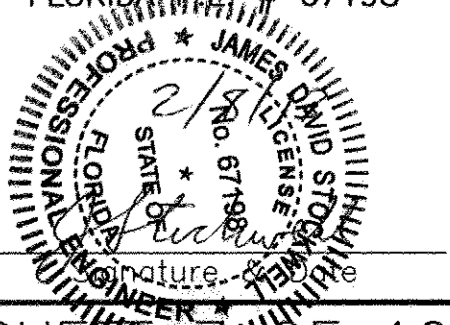
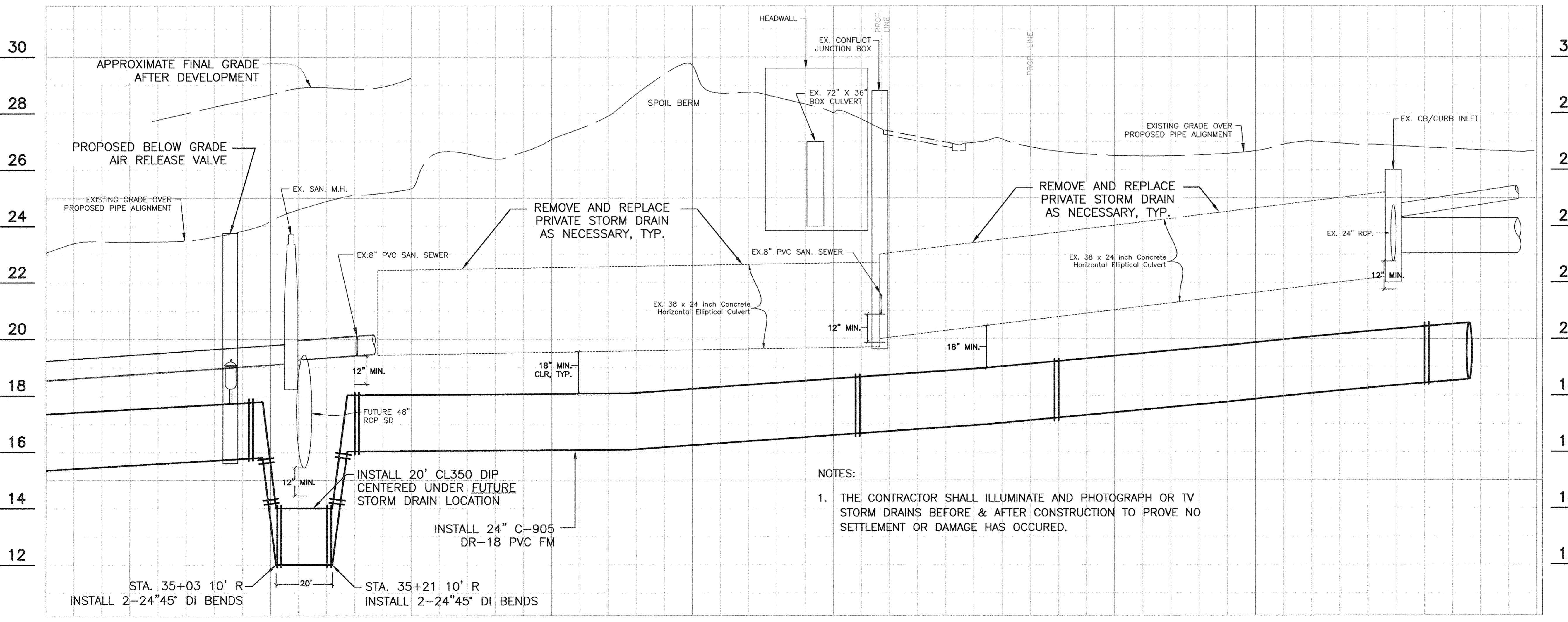
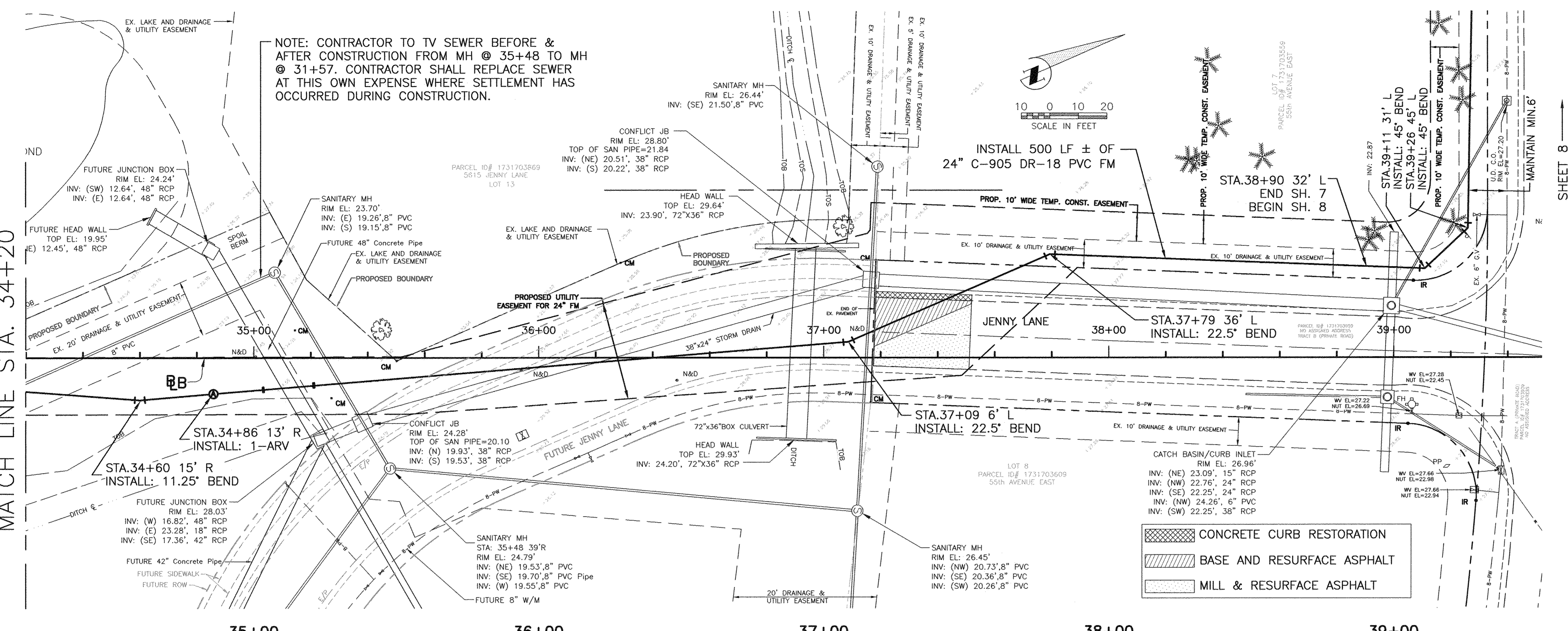
TARA 20 FORCE MAIN REPLACEMENT
STONE RIVER ROAD TO I-75
PLAN & PROFILE 34+20 TO 38+90

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE HORZ.	1"=20'
SCALE VERT.	1"=2'

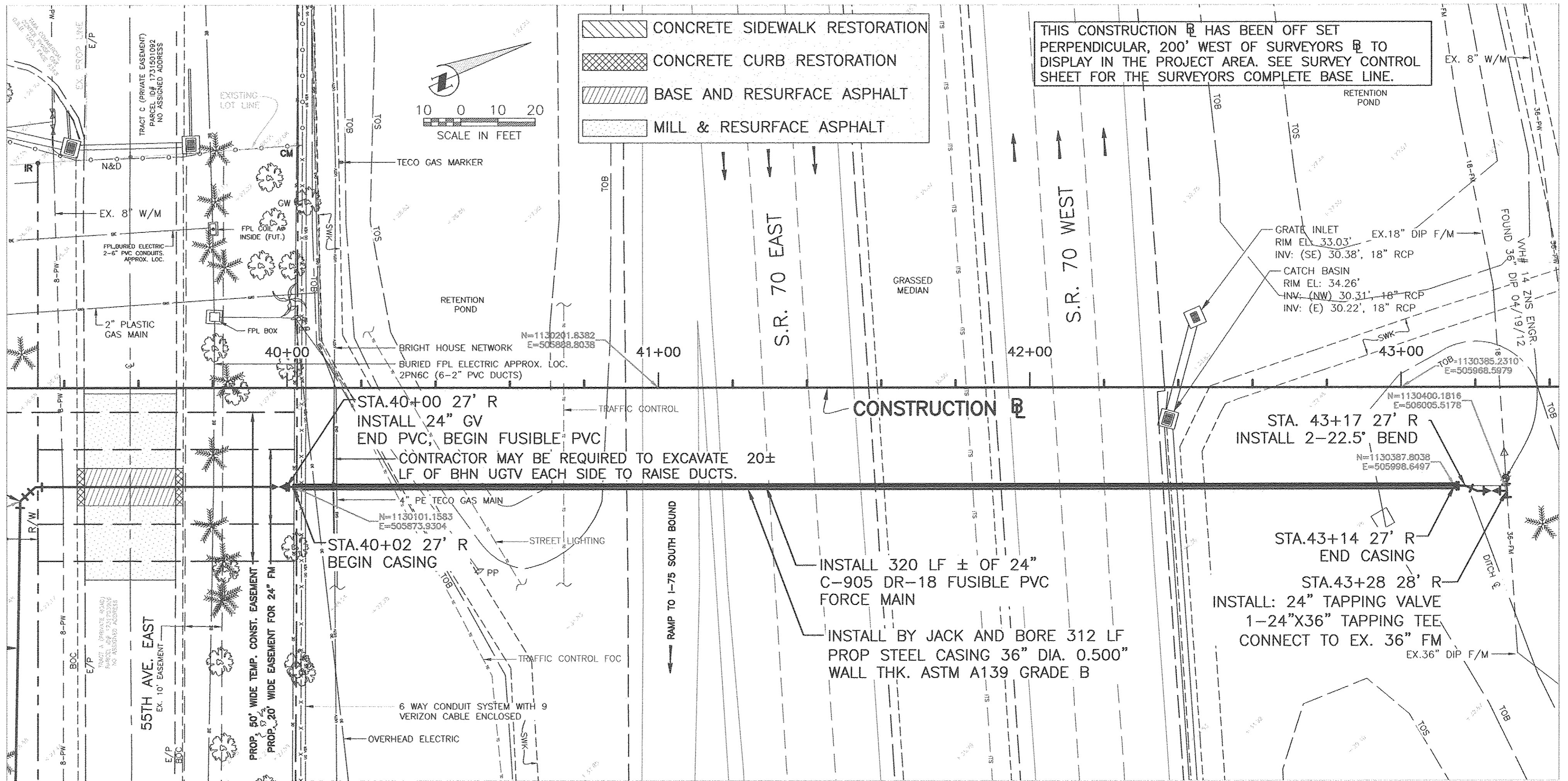
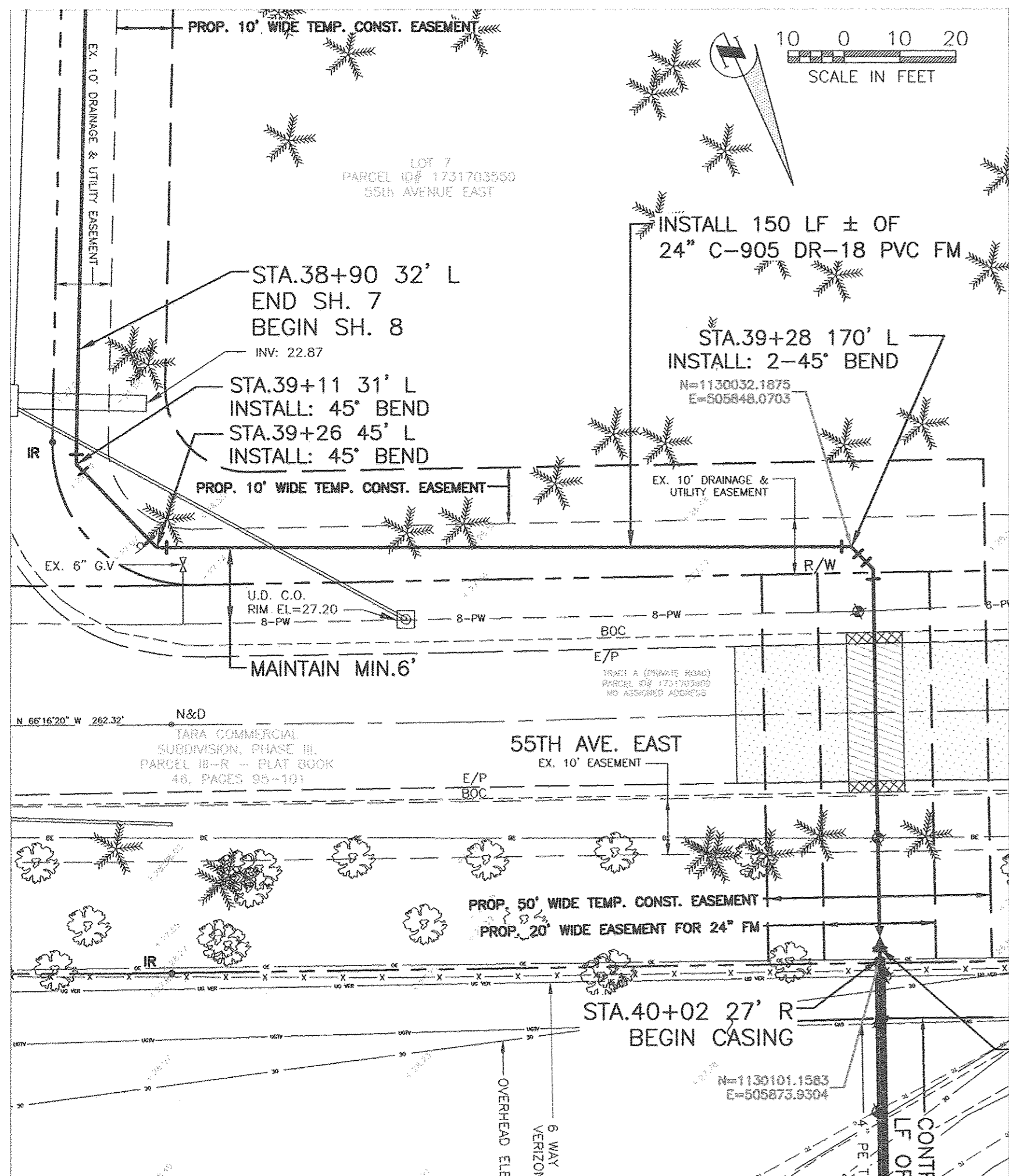
	BY	DATE
SURVEYED	JG/ZNS	12/1/11
DESIGNED	JDS	01/12/12
DRAWN	BLR	07/19/12

JAMES STOCKWELL, P.E.
FLORIDA P.E. # 67198

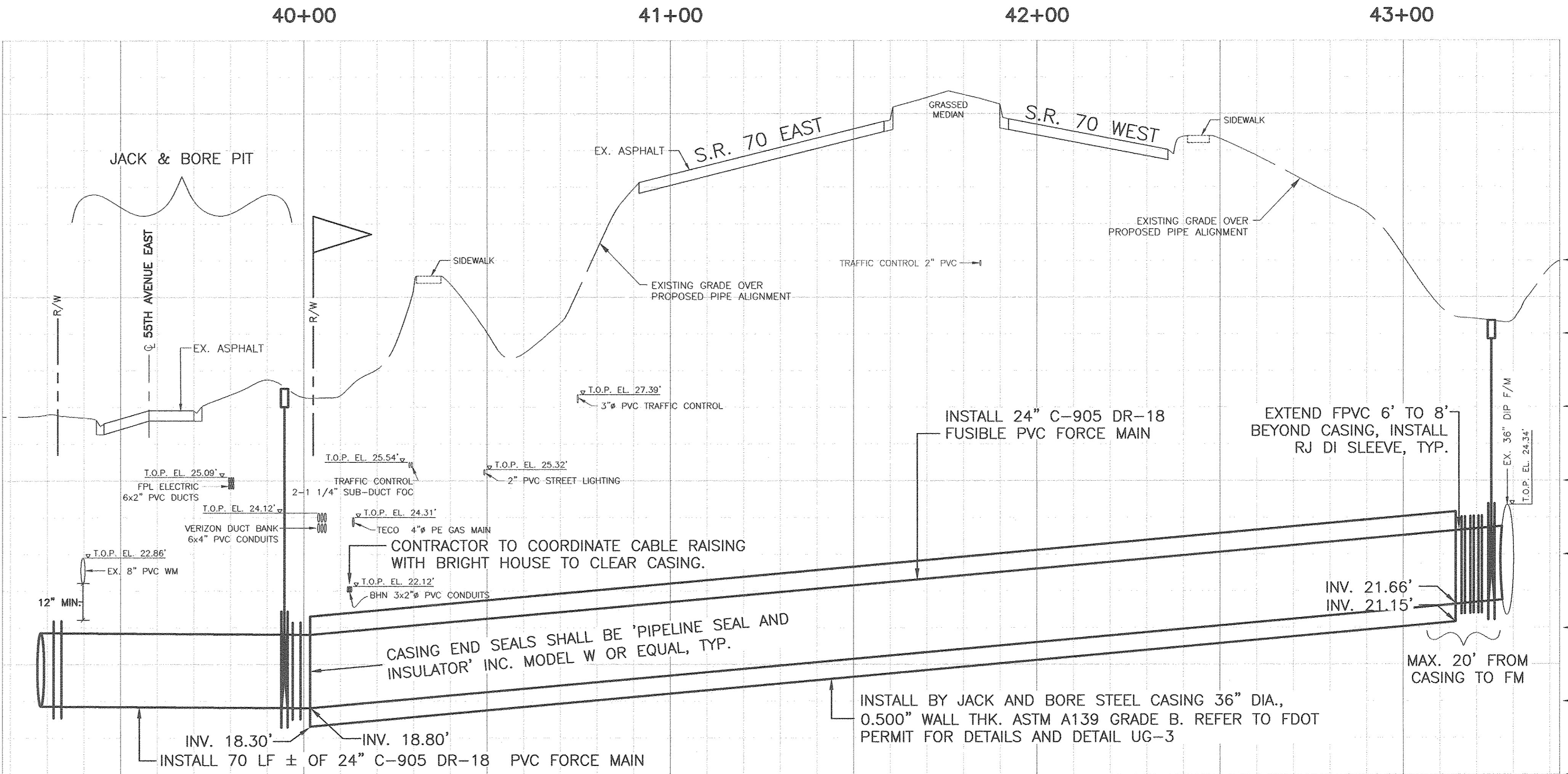
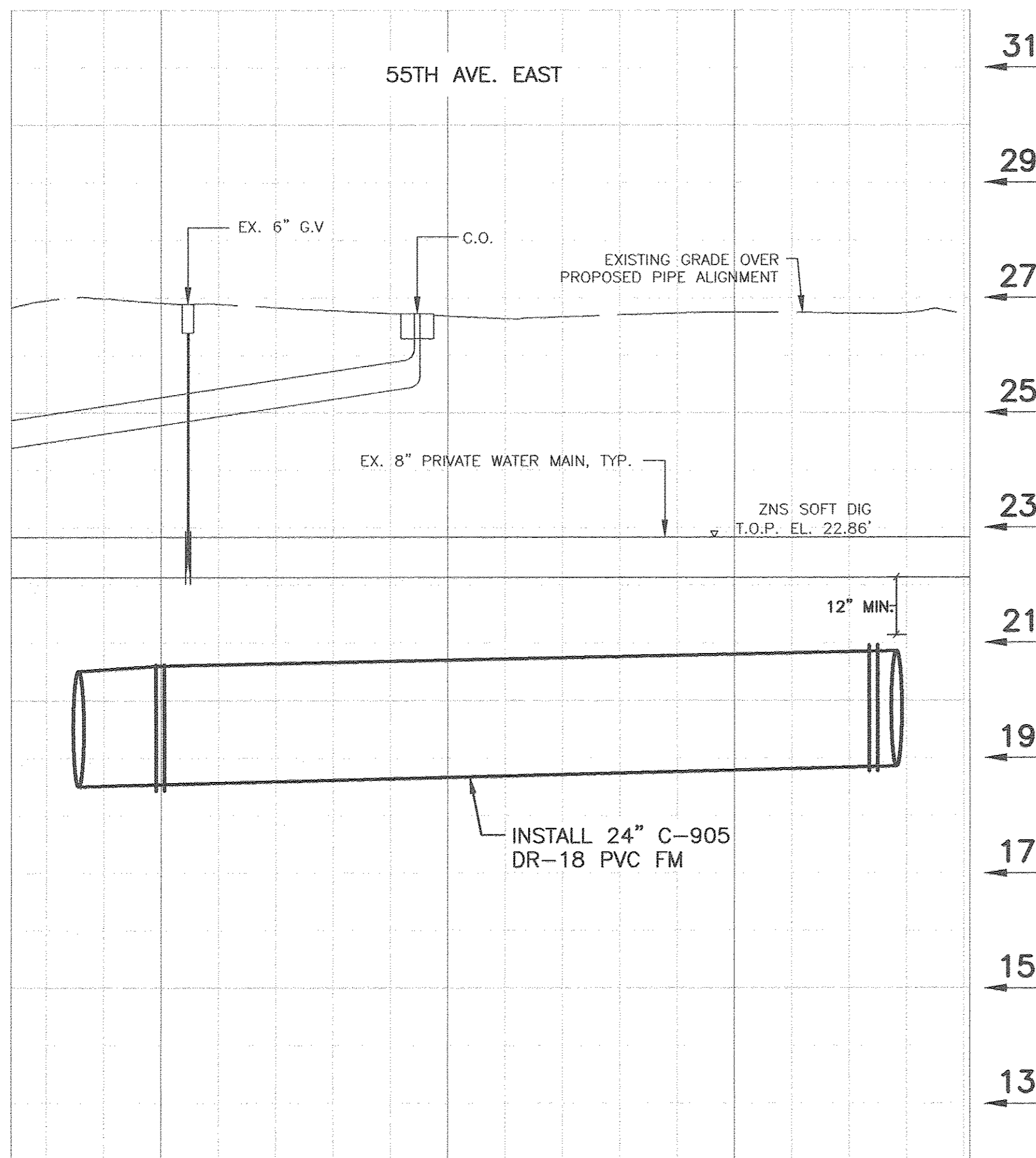



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TARA 20 FORCE MAIN REPLACEMENT
STONE RIVER ROAD TO I-75
PLAN & PROFILE 38+90 TO 43+60



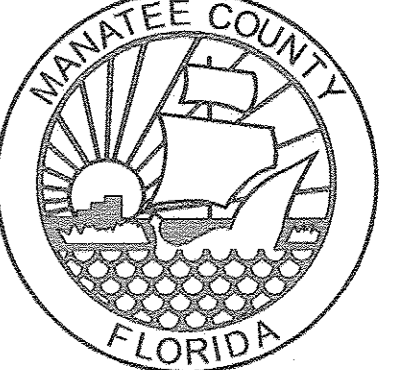
ROTATED PROFILE VIEW FROM 39+11 TO 39+28



NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE HORIZ.	1"=20'
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SURVEYED	JG/ZNS 12/1/11
DESIGNED	JDS 01/12/12
DRAWN	BLR 07/19/12

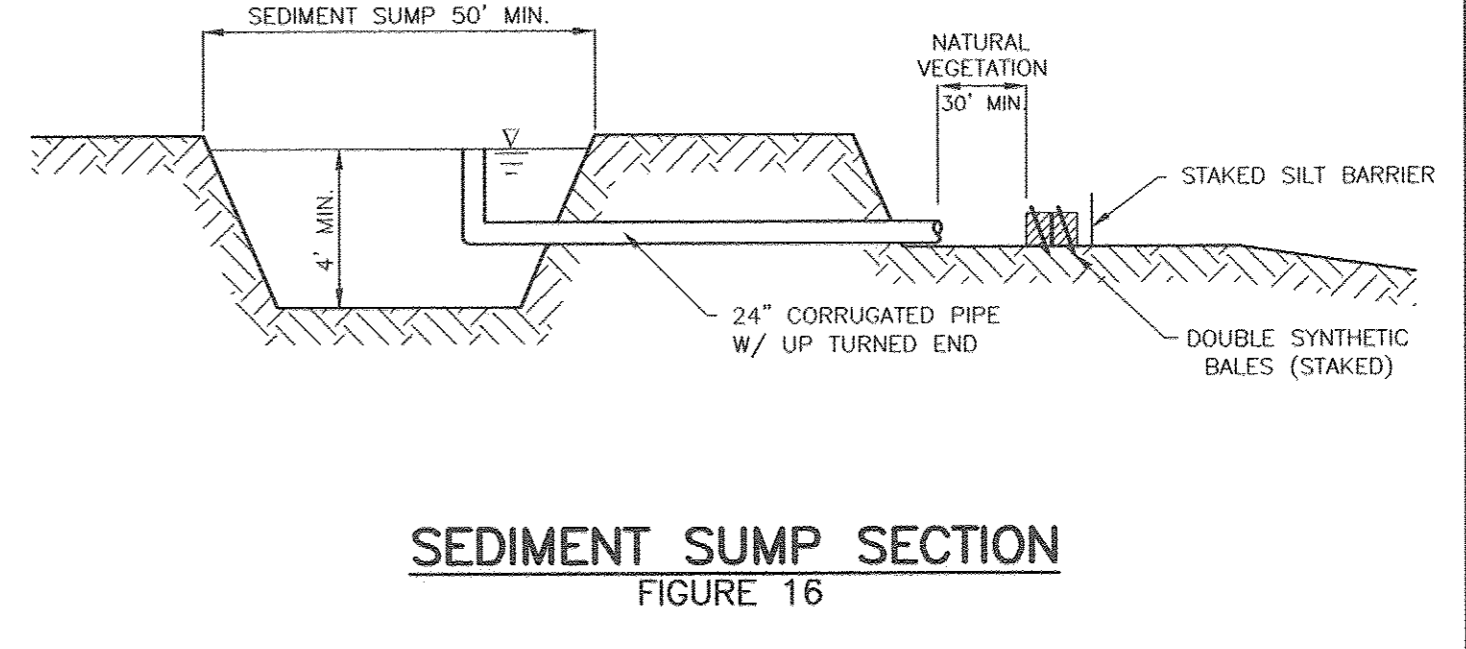
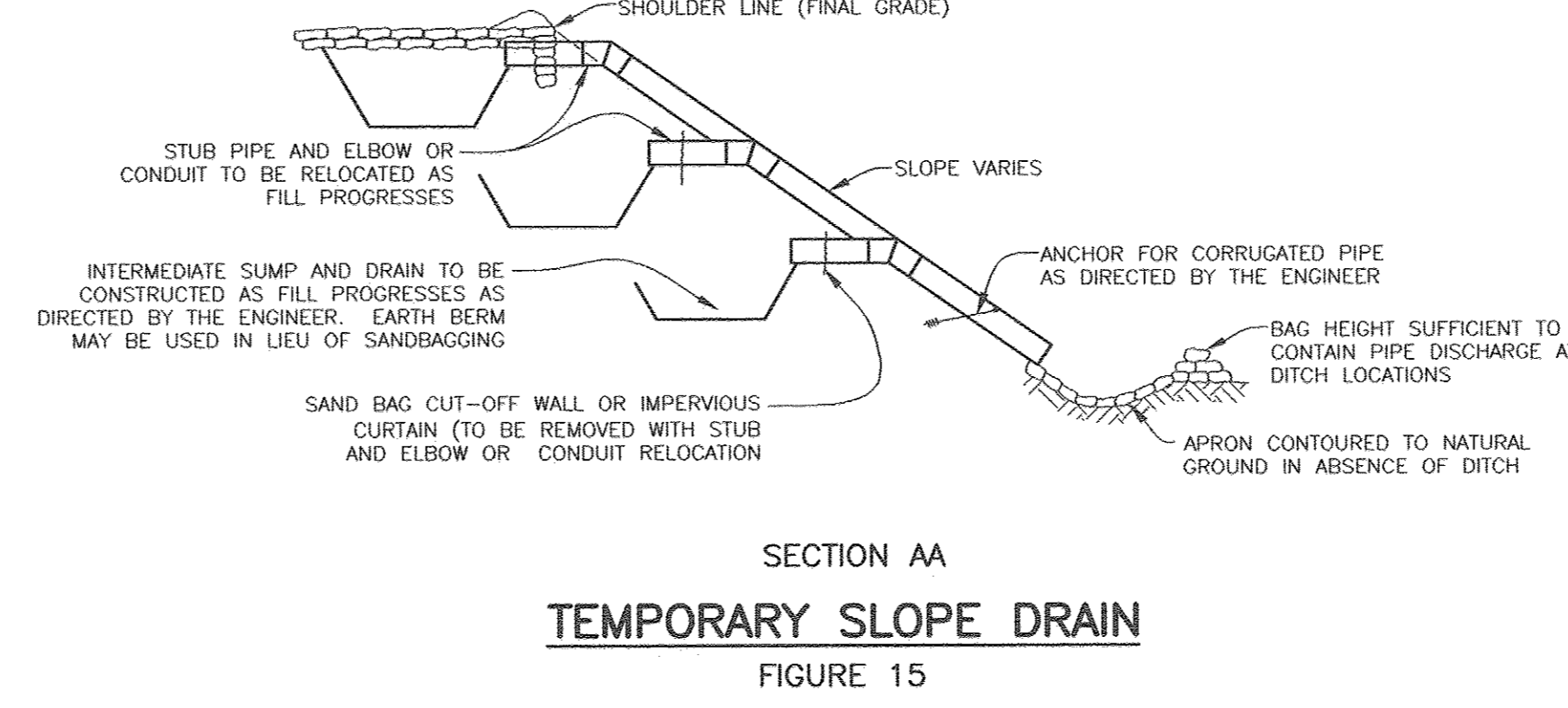
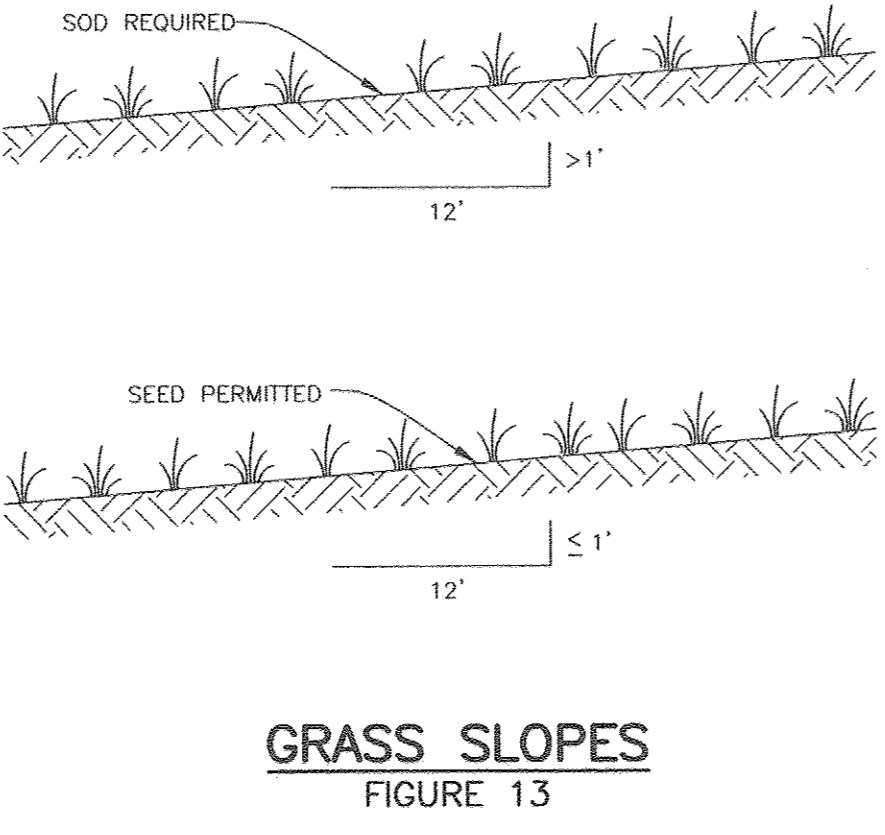
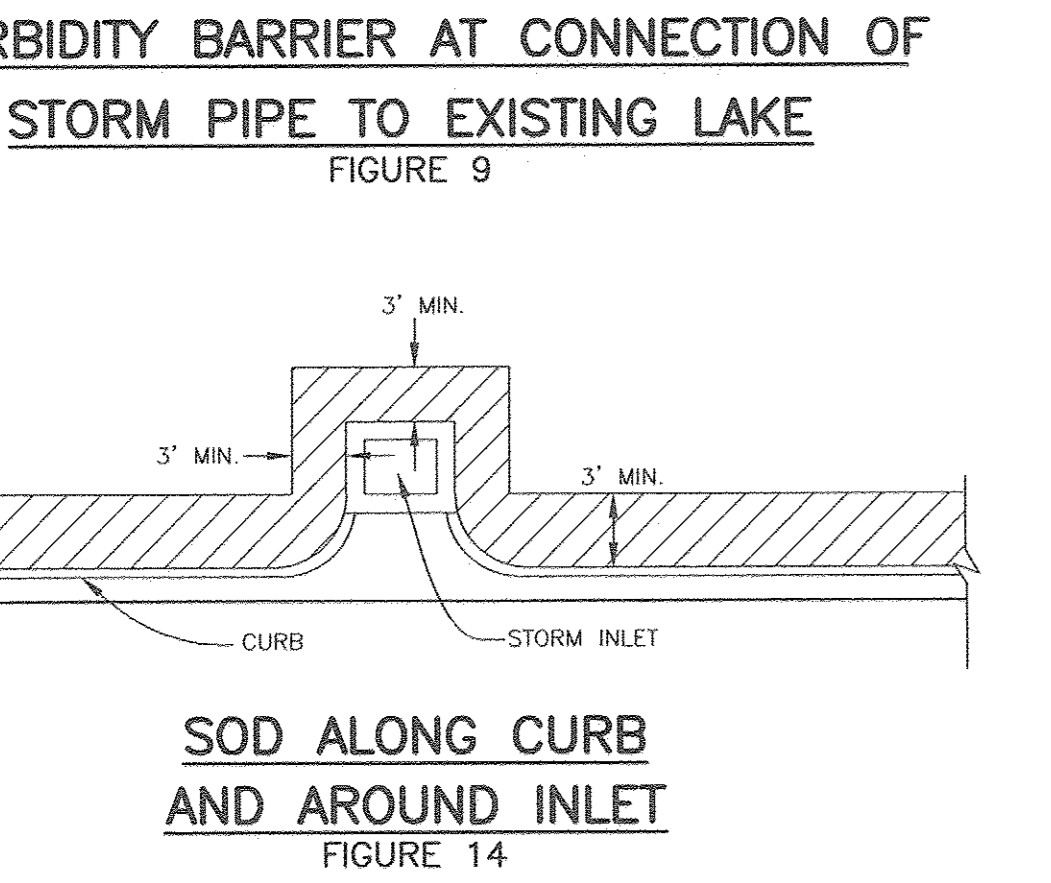
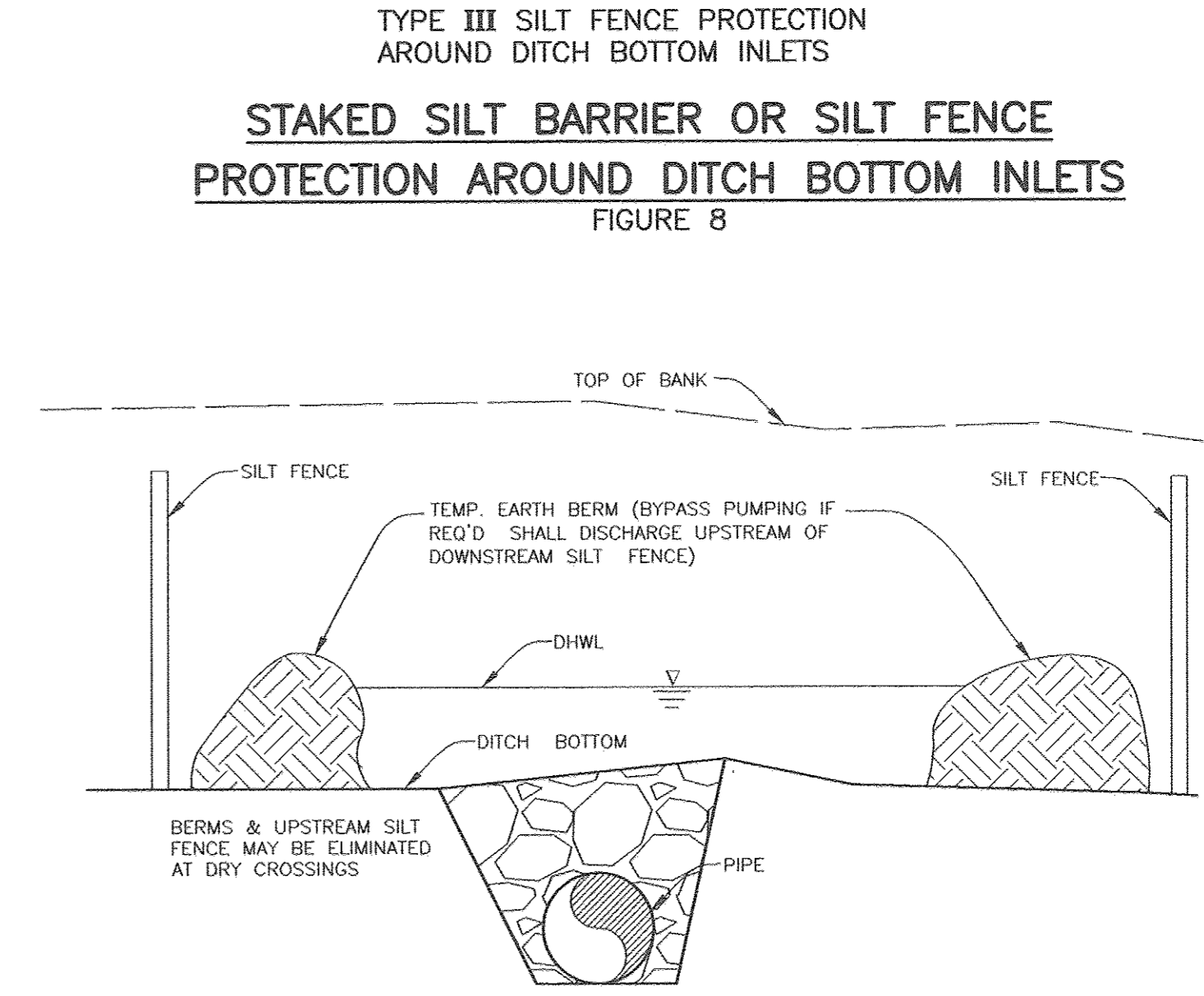
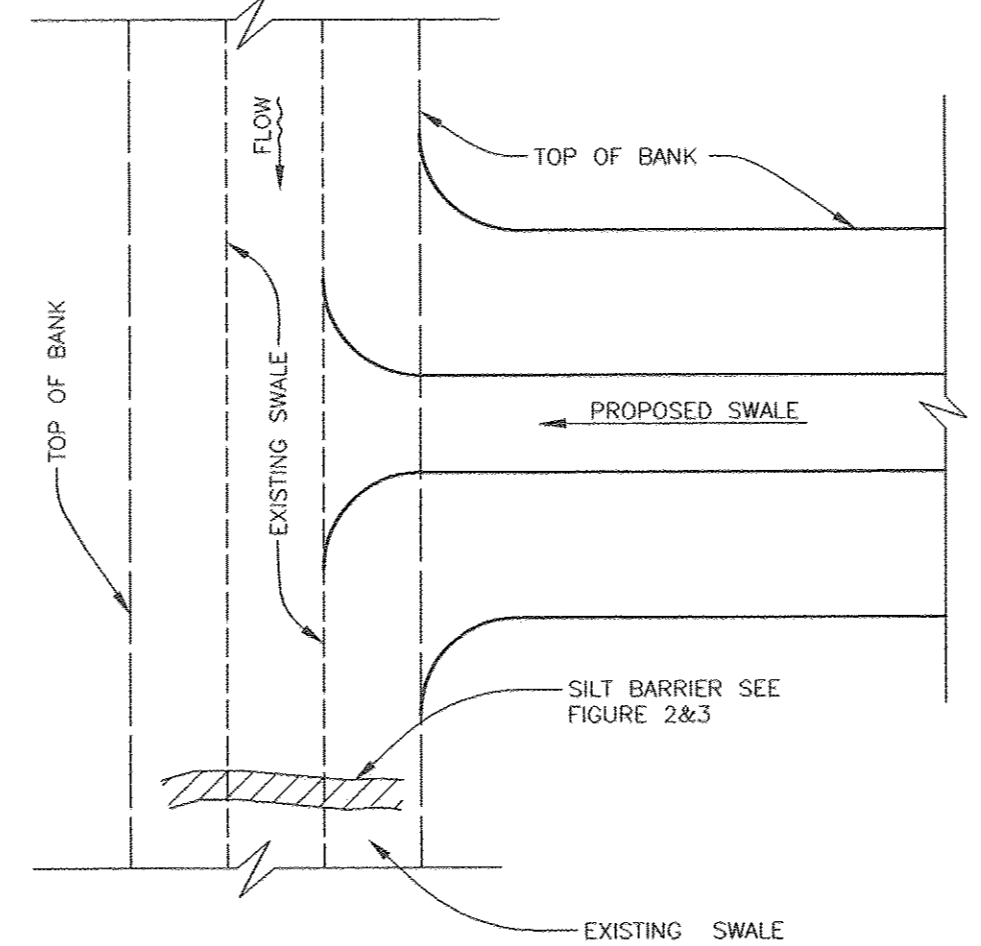
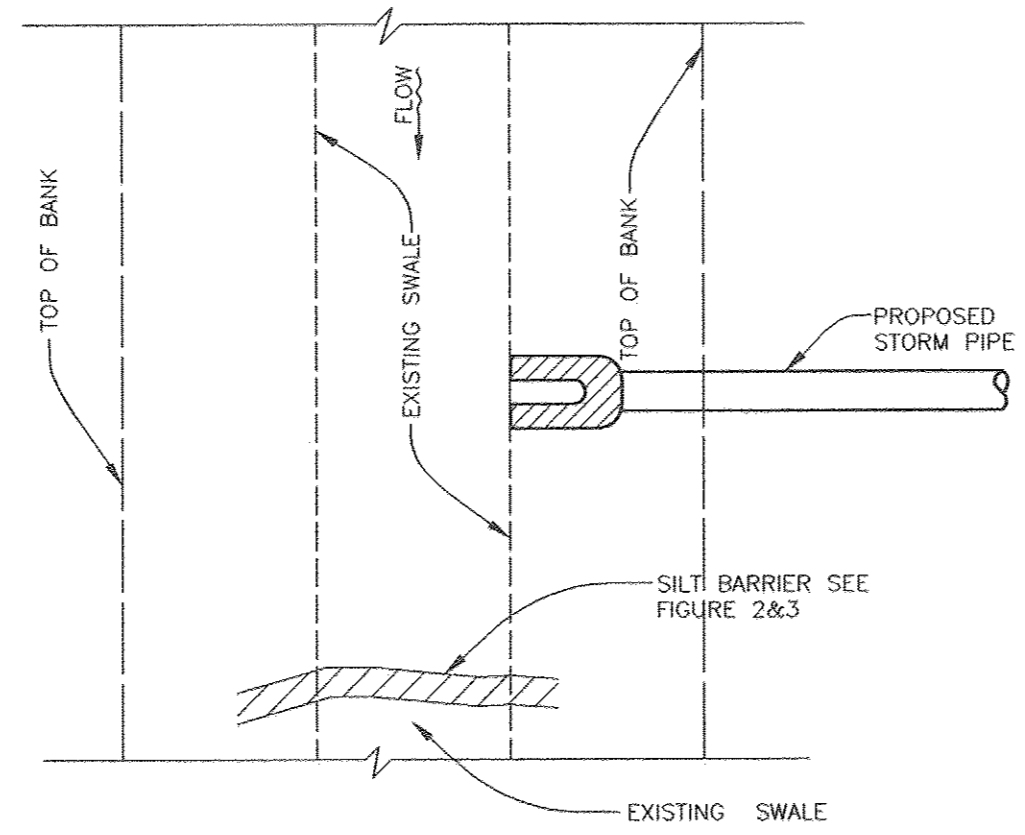
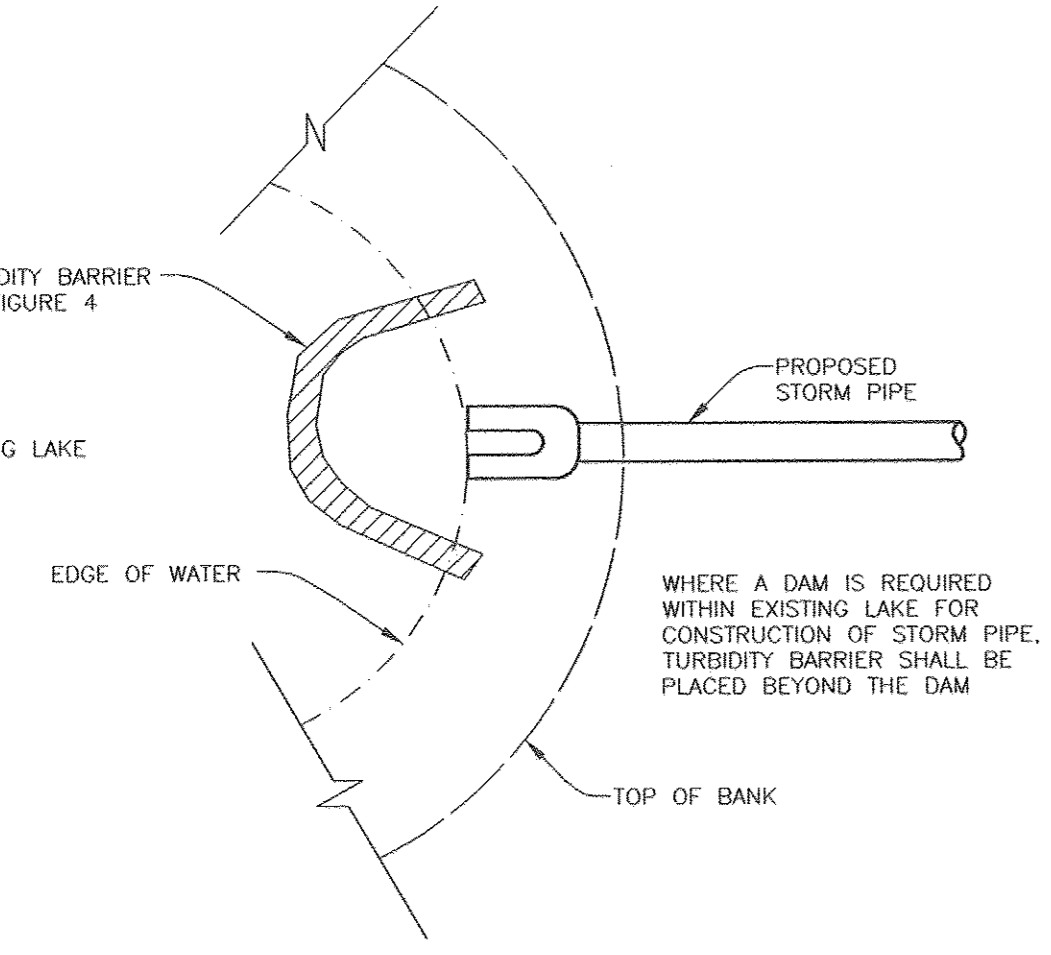
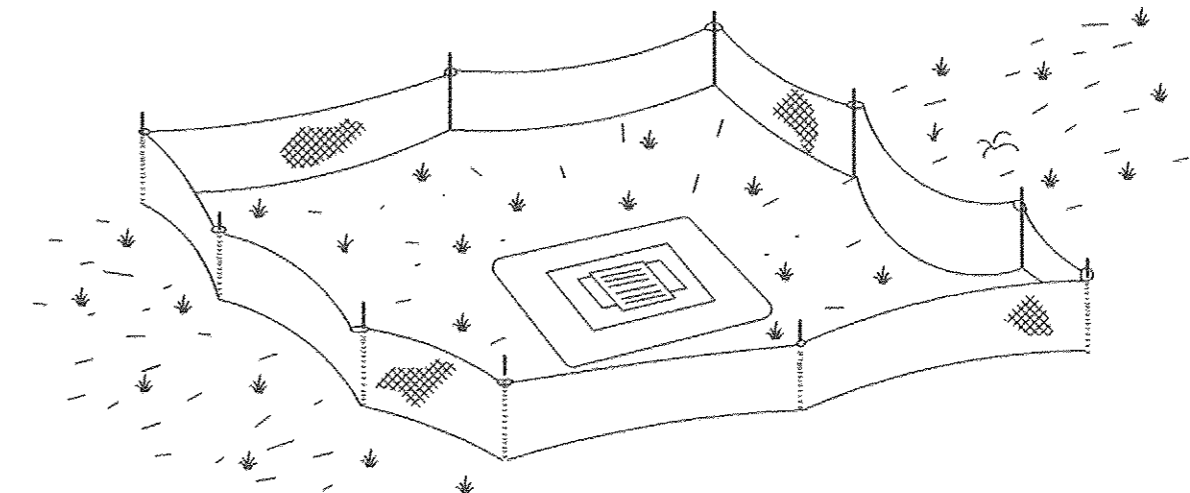
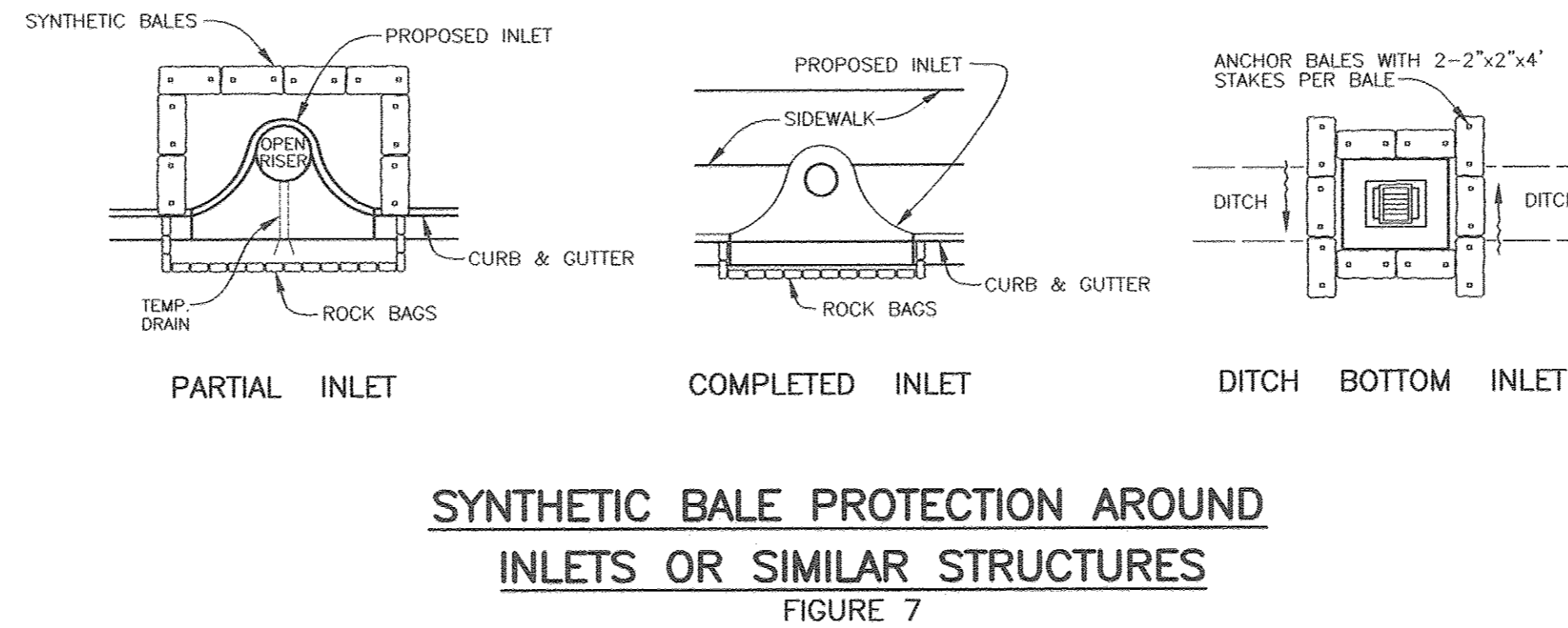
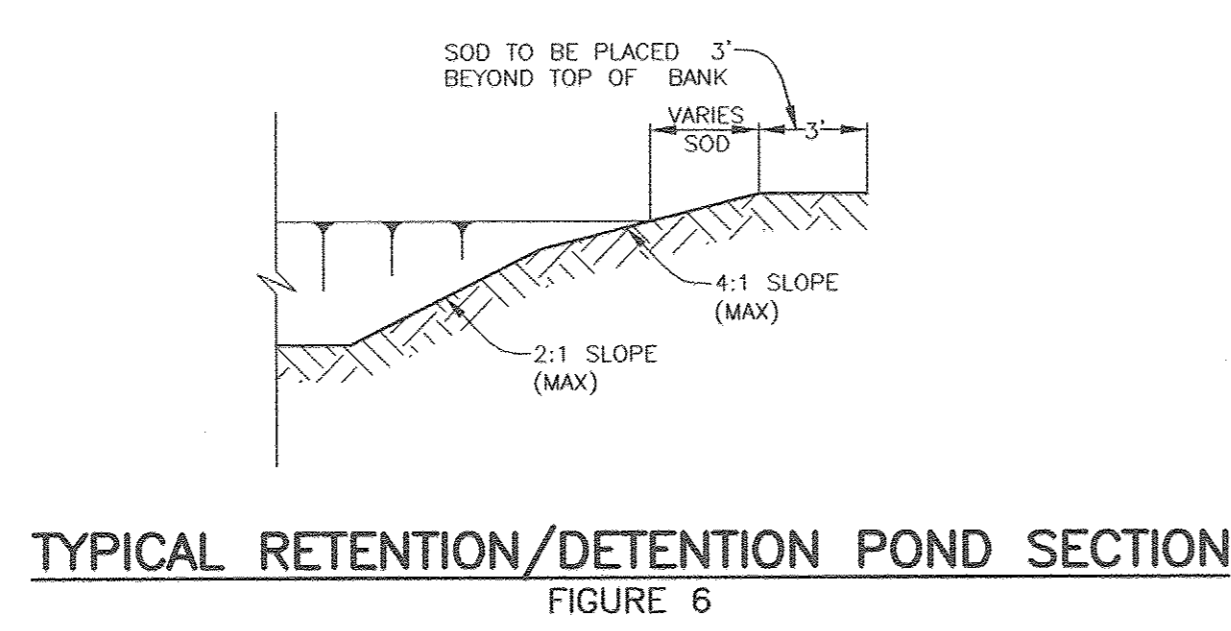
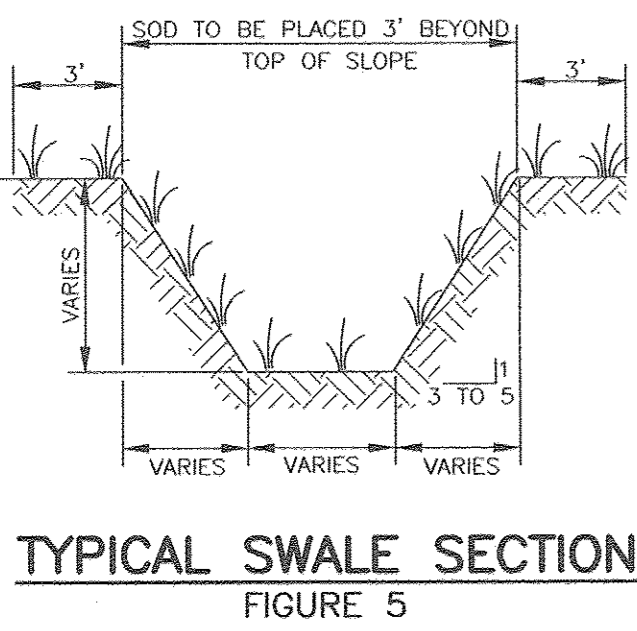
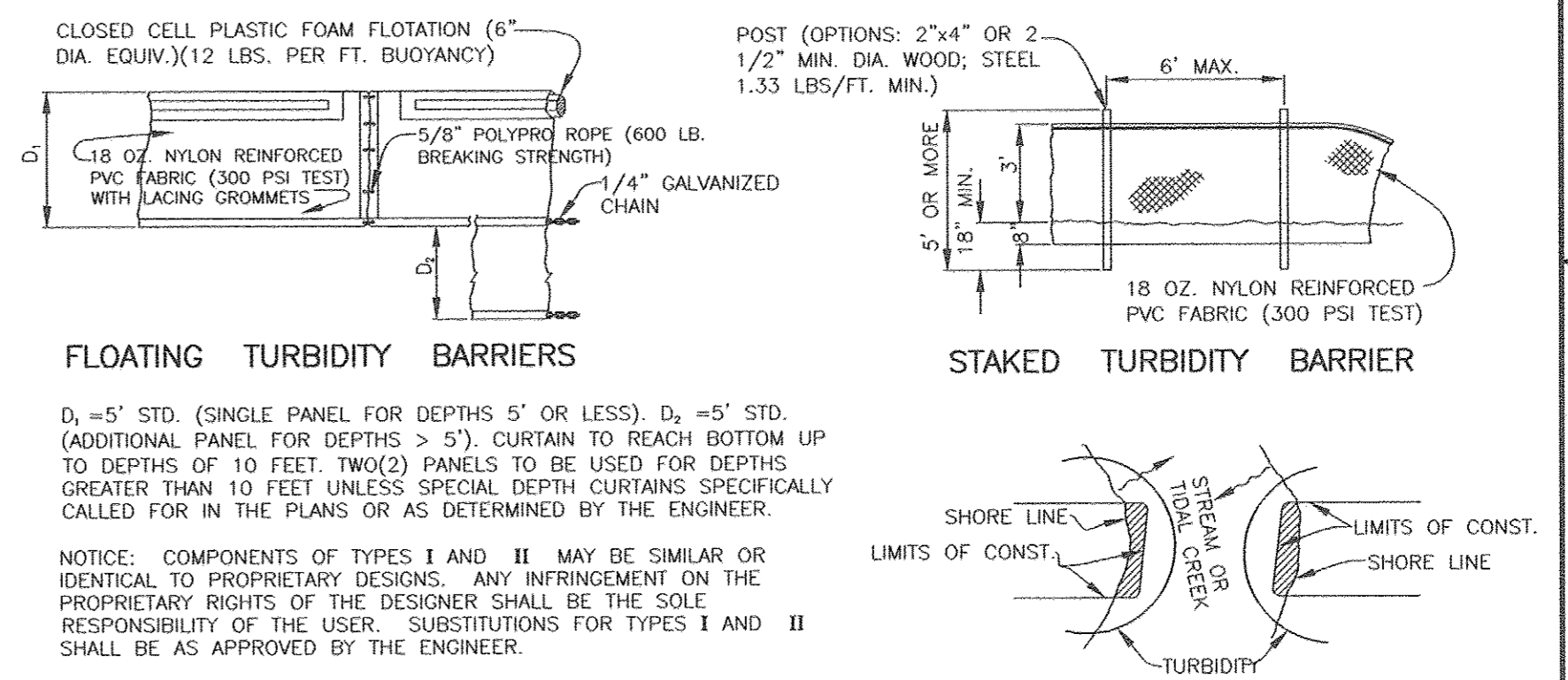
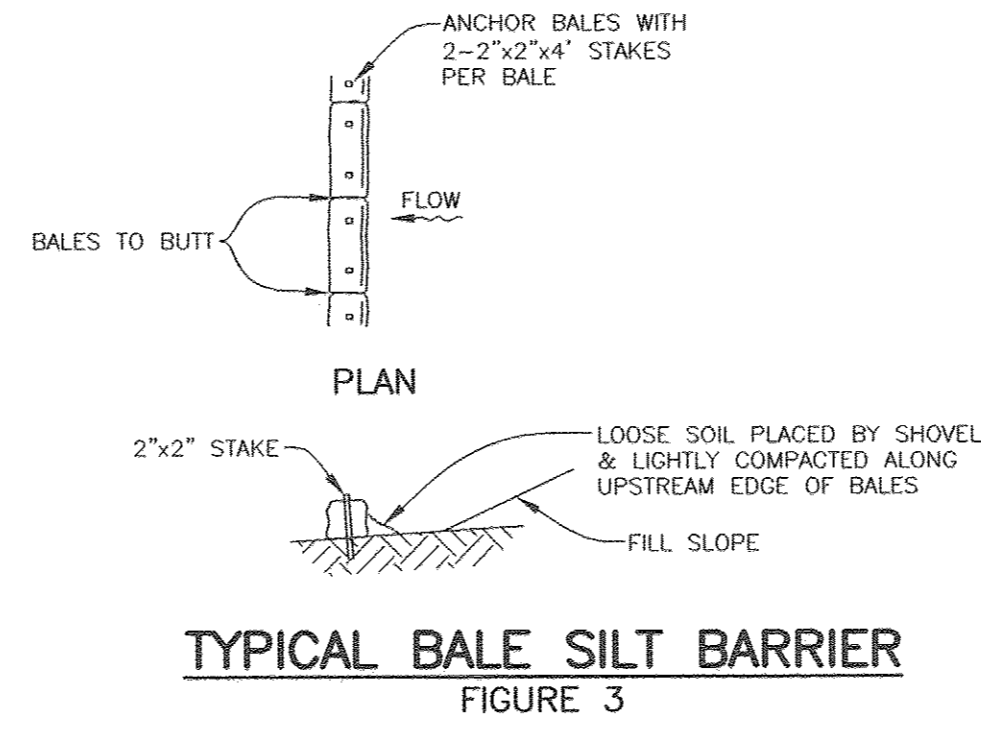
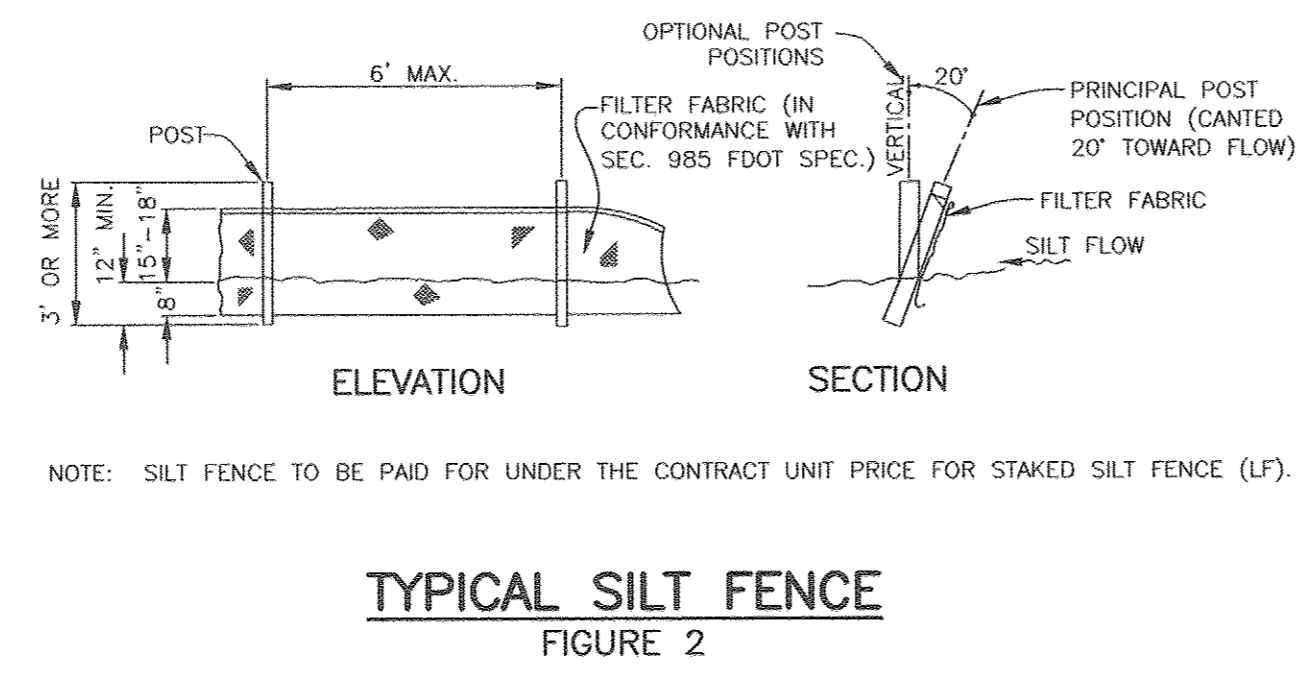
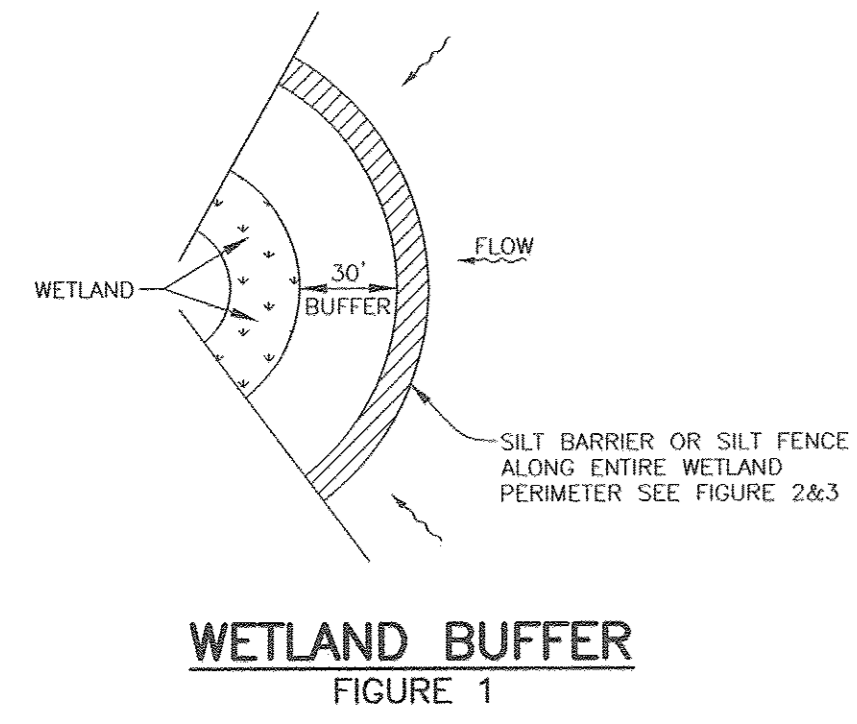
JAMES STOCKWELL, P.E.
Professional Engineer License No. 13883
FLORIDA REGISTERED PROFESSIONAL ENGINEER



TARA 20 FORCE MAIN REPLACEMENT

STONE RIVER ROAD TO I-75

EROSION CONTROL



NOTE:
REFERENCE THE FDOT DESIGN STANDARDS
LATEST EDITION FOR ALL TEMPORARY
EROSION CONTROL MEASURES.

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	415-6079880
SURVEY #	6079880
SEC./TWN./RGE	13&14/35S/18E
SCALE	1"=20'

	BY	DATE
SURVEYED	JG/ZNS	12/1/11
DESIGNED	JDS	01/12/12
DRAWN	BLR	07/19/12
CHECKED	---	---

JAMES STOCKWELL, P.E.
FLORIDA PROFESSIONAL ENGINEER NO. 87198

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