

CONSTRUCTION PLANS FOR: TIBET DRIVE DRAINAGE

CITY OF GULF BREEZE ~ SANTA ROSA COUNTY FLORIDA

Dated: **SEPTEMBER 2019**

GENERAL NOTES:

1. ALL ELEVATIONS AND SLOPES PROVIDED IN THESE PLANS ARE TO BE STRICTLY ADHERED TO. THERE CAN BE NO MODIFICATIONS OR REVISIONS TO THESE PLANS WITHOUT PRIOR FIELD INSPECTION AND WRITTEN APPROVAL FROM THE ENGINEER OF RECORD AND APPROVAL FROM SANTA ROSA COUNTY.
2. ALL NECESSARY PERMITS AND APPROVALS FROM THE AGENCIES GOVERNING THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PERMITS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION COMMENCEMENT.
3. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF VARIOUS GOVERNMENTAL APPROVALS AND PERMITS.
4. ALL CONSTRUCTION SHALL COMPLY WITH THE SANTA ROSA COUNTY LAND DEVELOPMENT CODE AND THE STANDARDS OF THE LOCAL WATER AND SEWER UTILITY PROVIDER AND THE FLORIDA DEPARTMENT OF TRANSPORTATION. IF THERE ARE ANY DIFFERENCES, THE MOST STRINGENT SHALL PREVAIL.
5. CONTRACTOR SHALL NOTIFY IN WRITING, SANTA ROSA COUNTY, THE LOCAL WATER AND SEWER UTILITY PROVIDER, AND THE ENGINEER OF RECORD AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. UTILITY PROVIDER PERSONNEL SHALL BE PRESENT FOR ALL TAPS OF PROPOSED WATER AND SEWER UTILITIES TO EXISTING WATER AND SEWER UTILITIES.
6. ALL SUITABLE EXCAVATED MATERIAL IS TO REMAIN ON SITE AND BE STOCK PILED AT LOCATIONS DETERMINED BY THE ENGINEER OF RECORD. UNSUITABLE EXCAVATED MATERIALS ARE TO BE REMOVED FROM THE SITE OR SPREAD EVENLY AT LOCATIONS DETERMINED BY THE ENGINEER OF RECORD.
7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST 24 HOURS PRIOR TO BEGINNING AND COMPLETING EACH PHASE OF CONSTRUCTION, I.E. RETENTION POND CONSTRUCTION, SUB-GRADE PREPARATION, BASE WORK, PAVING, CURBING, ETC. FAILURE TO COMPLY WILL CAUSE DELAY OF DISBURSEMENT OF FUNDS TO THE CONTRACTOR AND DELAY OF FINAL CERTIFICATION BY THE ENGINEER OF RECORD.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING IMPROVEMENTS AND/OR FEATURES, INCLUDING PERMANENT SURVEY MARKERS (PROPERTY CORNERS) AND BENCHMARKS WHICH ARE NOT DESIGNATED TO BE REMOVED OR ALTERED ON THE PLANS.
9. ALL DIMENSIONS AND GRADES ON THESE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE RE-DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
10. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING FERTILIZER AND MULCH, OR SOD. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER (PRIOR TO INCORPORATION INTO THE PROJECT) A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY STATING THAT THE SOD/HAY/STRAW/MULCH/SEED MATERIALS ARE FREE OF NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE. SOD IS THE RECOMMENDED SLOPE STABILIZATION METHOD.
11. THE CONTRACTOR SHALL ESTABLISH NEW BENCHMARKS PRIOR TO TREE REMOVAL.
12. CONTRACTOR IS ENCOURAGED TO VISIT THE SITE PRIOR TO AND CONTACT THE PROJECT ENGINEER WITH ANY QUESTIONS REGARDING THE SCOPE OF PROJECT TO PLACING A BID.
13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS AND ALL GRADING, ETC. THESE DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD A MINIMUM OF ONE WEEK PRIOR TO THE REQUEST FOR FINAL INSPECTION.
14. THE ENGINEER OF RECORD SHALL PROVIDE TO SANTA ROSA COUNTY, AND F.D.E.P. AN "AS-BUILT" CERTIFICATION FOR VERIFICATION AND APPROVAL.
15. THE ENGINEER OF RECORD TAKES ABSOLUTELY NO RESPONSIBILITY FOR ANY ITEM LABELED "BY OTHERS" OR FOR SUCH ITEMS AS RETAINING WALLS, BUILDINGS, SUB-SURFACE GEOTECHNICAL CONDITIONS, FOUNDATION DESIGN, OR ANY EXISTING WATER AND SEWER UTILITIES.
16. THE COUNTY, ITS OFFICERS, AND EMPLOYEES SHALL BE HELD HARMLESS FROM ANY DAMAGES TO PERSONS OR PROPERTY WHICH MIGHT RESULT FROM WORK OR ACTIVITY UNDERTAKEN BY THE CONTRACTOR AND AUTHORIZED BY THE COUNTY.
17. ALL STORM PIPING JOINTS ARE TO BE WRAPPED IN WOVEN FILTER FABRIC.
18. ALL PATCHING, PAVING / OVERLAY AND STORM DRAINAGE CONSTRUCTION TO CONFORM TO SANTA ROSA COUNTY STANDARDS AND FDOT STANDARD SPECIFICATIONS LATEST EDITION.
19. ACCESS TO SITE IS VERY CONSTRAINED. CONTRACTOR SHOULD ANTICIPATE THE LAYDOWN AREA BEING APPROXIMATELY 1/4 MILE FROM THE SITE AND ACCESS ONLY ALONG THE EXISTING 20 FOOT WIDE DRAINAGE EASEMENT. REFER TO MAP ON SHEET 3.
20. CONTRACTOR SHALL USE CAUTION DURING COMPACTION OPERATIONS NEAR STRUCTURES.



VICINITY MAP NOT TO SCALE

OWNER: BOARD OF COUNTY COMMISSIONERS
SANTA ROSA COUNTY, FLORIDA

SAM PARKER - CHAIRMAN ---- DISTRICT I
ROBERT A. "BOB" COLE ---- DISTRICT II
W.D. "DON" SALTER - VICE CHAIRMAN ---- DISTRICT III
DAVE PIECH ---- DISTRICT IV
LANE LYNCHARD ---- DISTRICT V

Addendum 1 January 24, 2020

UTILITY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING SUNSHINE UTILITIES 48-HOURS PRIOR TO CONSTRUCTION COMMENCEMENT FOR EXISTING UTILITY LOCATION. (SUNSHINE UTILITIES: 1-800-432-4770) EXISTING UTILITIES, WHICH MAY OR MAY NOT BE INDICATED ON THESE PLANS, ARE SHOWN IN THEIR APPROXIMATE LOCATION ONLY.
2. CONTRACTOR SHALL VERIFY SIZE, LOCATION, AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE WITH NO ADDITIONAL COMPENSATION.
3. UTILITY SYSTEM PERSONNEL SHALL BE PRESENT FOR ALL EXCAVATIONS NEAR EXISTING UTILITIES. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY SYSTEM AT LEAST 48 HOURS PRIOR TO INSTALLATION OF PROPOSED FACILITIES ADJACENT TO EXISTING FACILITIES.
4. CONTRACTOR IS RESPONSIBLE FOR ADJUSTMENT OF EXISTING UTILITIES IF PROPOSED IMPROVEMENTS IMPACT EXISTING UTILITIES.

UTILITY COMPANIES

<p>CITY OF GULF BREEZE MR. THOMAS LAMBERT ASSISTANT DIRECTOR OF PUBLIC WORKS-GAS CONTACT 1070 SHORELINE DRIVE GULF BREEZE, FL 32561 PHONE: 850-934-4094 EMAIL: tlambert@gulfbreezeefl.gov</p>	<p>CITY OF GULF BREEZE MR. JASON RANDALL DIRECTOR OF PUBLIC WORKS P.O. BOX 640 GULF BREEZE, FL 32562 PHONE: 850-934-5108 EMAIL: jrandell@gulfbreezeefl.gov</p>
<p>CENTURYLINK / LEVEL 3 MR. JOSEF WIGGINS 7891 SEARS BOULEVARD PENSACOLA, FL 32514 PHONE: 850-537-2272 EMAIL: josefwiggins@centurylink.com</p>	<p>GULF POWER COMPANY MR. CHAD SWAILS ONE ENERGY PLACE 5111 DOGWOOD DRIVE, #4493 PENSACOLA, FL 32520 PHONE: 850-429-2446 EMAIL: chadswails@nexteraenergy.com</p>
<p>COX CABLE 852 GULF BREEZE PKWY. GULF BREEZE, FL 32561 PHONE: 850-677-0298</p>	<p>AT&T FLORIDA MR. STAN WRIGHT 605 W. GARDEN STREET, RM. 218 PENSACOLA, FL 32502 PHONE: 850-436-1488 EMAIL: sw1778@att.com</p>
<p>MIDWAY WATER SYSTEM MR. JODY ANDERSON 4971 GULF BREEZE PKWY. GULF BREEZE, FL 32563 PHONE: 850-932-5188 EMAIL: janderson@midwaywater.com</p>	<p>UTILITY SERVICE COMPANY MR. BILL LEE 4326 GULF BREEZE PKWY. GULF BREEZE, FL 32563 PHONE: 850-932-5342 EMAIL: utilityservice@uscofl.com</p>
<p>MEDIACOM MR. TOMMY GREEN 1613 NANTAHALA BEACH DRIVE GULF BREEZE, FL 32563 PHONE: 850-934-2564 EMAIL: tgreen@mediacomcc.com</p>	<p>CITY OF GULF BREEZE MS. JENA ROBERGE UTILITY MANGER 1108 CORONADO DRIVE GULF BREEZE, FL 32563 PHONE: 850-934-4057 EMAIL: JROBERGE@GULFBREEZEFL.GOV</p>

INDEX OF DRAWINGS

SHEET NO.	SHEET DESCRIPTION
SHEET 1	COVER SHEET AND GENERAL NOTES
SHEET 2	EXISTING CONDITIONS & TOPOGRAPHIC SURVEY
SHEET 3	DEMOLITION AND EROSION CONTROL NOTES
SHEET 4	PLAN & PROFILE SHEET PROPOSED FACILITIES
SHEET 5	PROJECT DETAIL SHEET
SHEET 6	FDOT FY 2019-20 STANDARD DETAILS
SHEET 7	FDOT FY 2019-20 STANDARD DETAILS
SHEET 8	FDOT FY 2019-20 STANDARD DETAILS

SANTA ROSA COUNTY ENGINEERING
 6051 OLD BAGDAD HIGHWAY
 SUITE 300
 MILTON, FLORIDA 32583
 (850) 981-7100

COVER SHEET - VICINITY MAP & GENERAL NOTES
FOR: TIBET DRIVE DRAINAGE
SANTA ROSA COUNTY, FLORIDA

REVISIONS:

REVISIONS TO BID SET 01-23-2020
N/A
N/A

DRAWN BY:
D.C.G.

DATE DRAWN:
05-20-2019

FIELD DATE:
04-24-2019

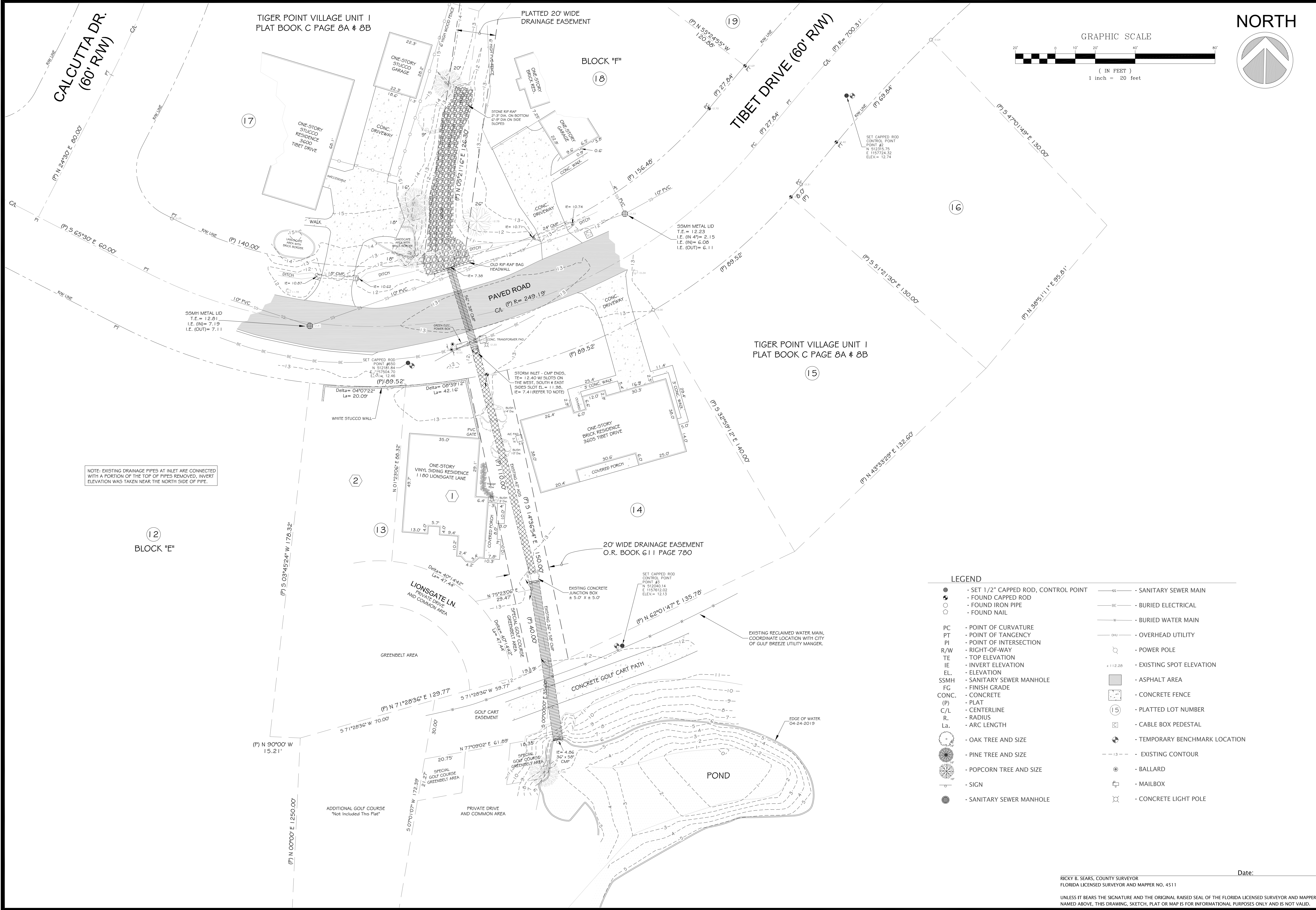
F.B. 131
PAGE 51-59 & 77
PAGE N/A

PROJECT NO.
2019H-031-000

It's the Law!
811



SHEET
1 OF 8



NOTE: EXISTING DRAINAGE PIPES AT INLET ARE CONNECTED WITH A PORTION OF THE TOP OF PIPES REMOVED, INVERT ELEVATION WAS TAKEN NEAR THE NORTH SIDE OF PIPE.

LEGEND	
●	- SET 1/2" CAPPED ROD, CONTROL POINT
○	- FOUND CAPPED ROD
○	- FOUND IRON PIPE
○	- FOUND NAIL
PC	- POINT OF CURVATURE
PT	- POINT OF TANGENCY
PI	- POINT OF INTERSECTION
R/W	- RIGHT-OF-WAY
TE	- TOP ELEVATION
IE	- INVERT ELEVATION
EL	- ELEVATION
SSMH	- SANITARY SEWER MANHOLE
FG	- FINISH GRADE
CONC.	- CONCRETE
PLAT	- PLAT
(P)	- CENTERLINE
C/L	- RADIUS
R	- RADIUS
La	- ARC LENGTH
○	- OAK TREE AND SIZE
○	- PINE TREE AND SIZE
○	- POPCORN TREE AND SIZE
○	- SIGN
○	- SANITARY SEWER MANHOLE
—SS—	- SANITARY SEWER MAIN
—BE—	- BURIED ELECTRICAL
—BW—	- BURIED WATER MAIN
—OU—	- OVERHEAD UTILITY
○	- POWER POLE
○	- EXISTING SPOT ELEVATION
■	- ASPHALT AREA
□	- CONCRETE FENCE
○	- PLATTED LOT NUMBER
○	- CABLE BOX PEDESTAL
○	- TEMPORARY BENCHMARK LOCATION
---	- EXISTING CONTOUR
○	- BALLARD
○	- MAILBOX
○	- CONCRETE LIGHT POLE

RICKY B. SEARS, COUNTY SURVEYOR
FLORIDA LICENSED SURVEYOR AND MAPPER NO. 4511

Date:

SANTA ROSA COUNTY ENGINEERING
6051 OLD BAGDAD HIGHWAY
SUITE 300
MILTON, FLORIDA 32583
(850) 981-7100

EXISTING CONDITIONS & TOPOGRAPHIC SURVEY
FOR: TIBET DRIVE DRAINAGE
SANTA ROSA COUNTY, FLORIDA

REVISIONS:
N/A
N/A
N/A

DRAWN BY:
D.C.G.

DATE DRAWN:
05-20-2019

FIELD DATE:
04-24-2019

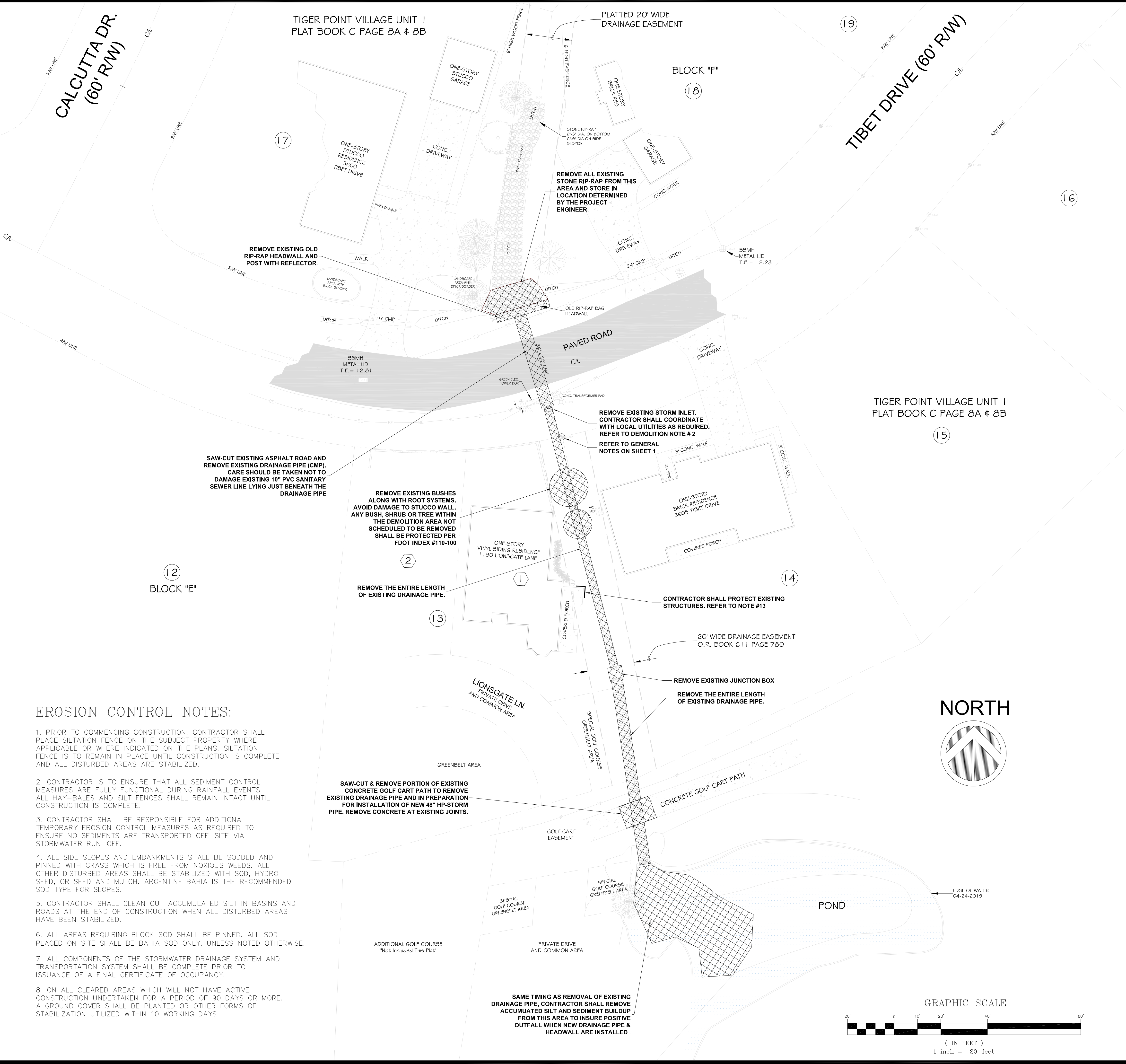
F.B. 131
PAGE 51-59 & 77
PAGE N/A

PROJECT NO.
2019H-031-000

It's the Law!
811

CALL 48 HOURS BEFORE YOU DIG
CALLING 811 IN FLORIDA ROUTES YOU TO SURVIVE STATE ONE CALL

SHEET
2 OF 8

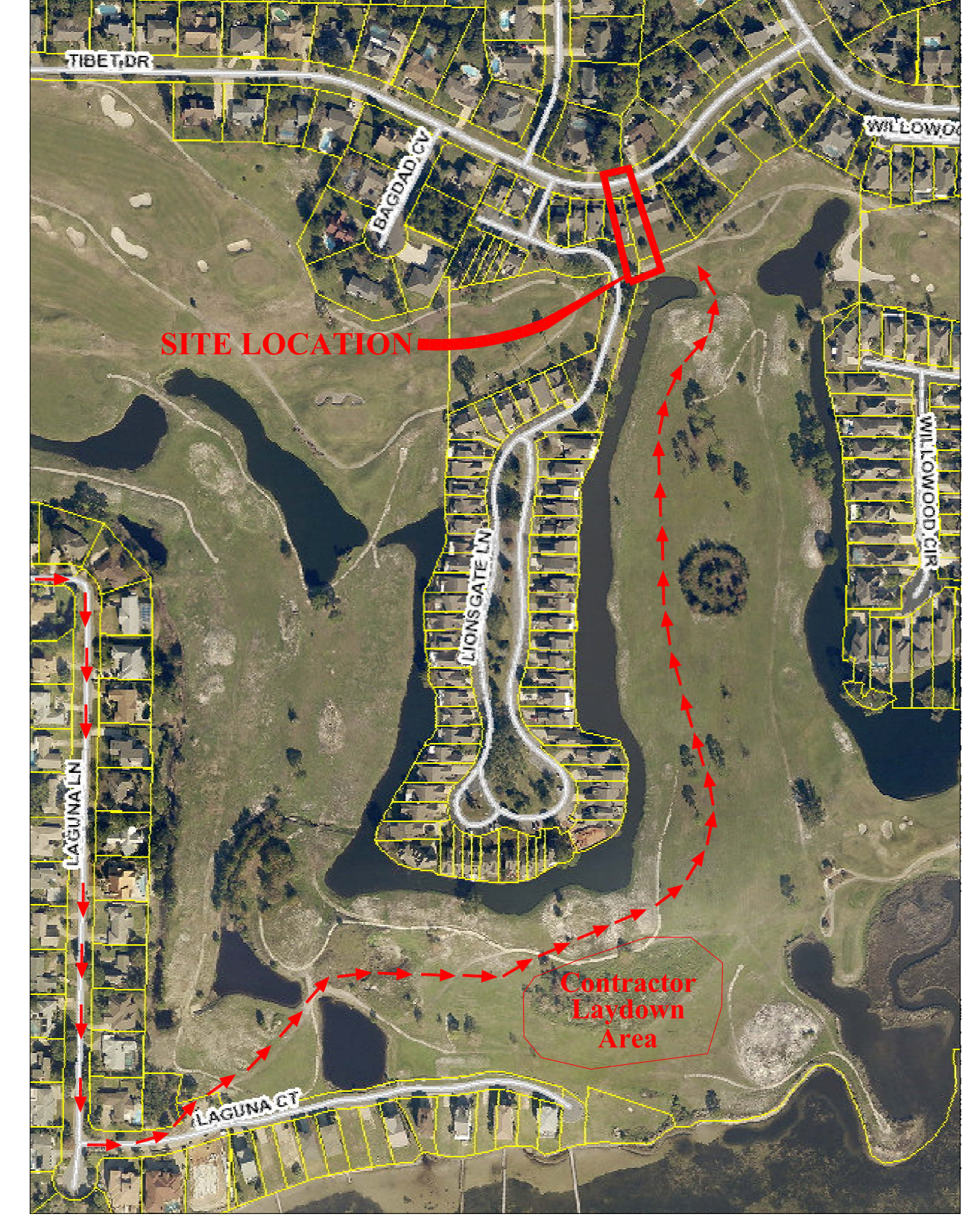


EROSION CONTROL NOTES:

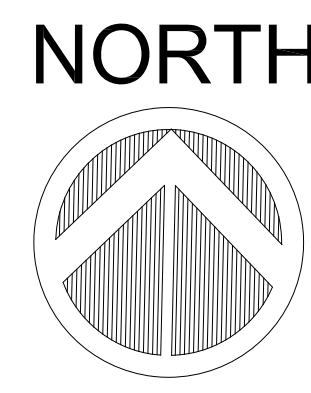
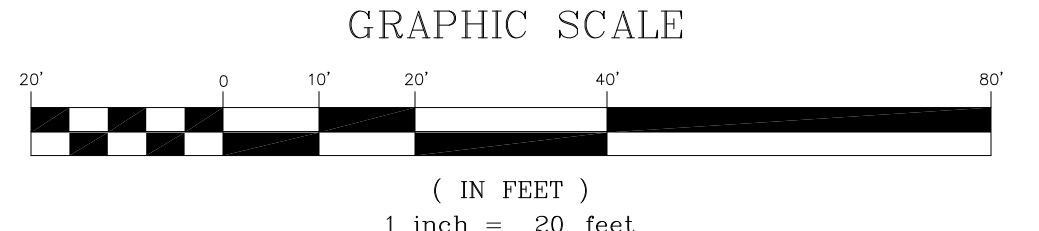
1. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL PLACE SILTATION FENCE ON THE SUBJECT PROPERTY WHERE APPLICABLE OR WHERE INDICATED ON THE PLANS. SILTATION FENCE IS TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED.
2. CONTRACTOR IS TO ENSURE THAT ALL SEDIMENT CONTROL MEASURES ARE FULLY FUNCTIONAL DURING RAINFALL EVENTS. ALL HAY-BALES AND SILT FENCES SHALL REMAIN INTACT UNTIL CONSTRUCTION IS COMPLETE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL TEMPORARY EROSION CONTROL MEASURES AS REQUIRED TO ENSURE NO SEDIMENTS ARE TRANSPORTED OFF-SITE VIA STORMWATER RUN-OFF.
4. ALL SIDE SLOPES AND EMBANKMENTS SHALL BE SODDED AND PINNED WITH GRASS WHICH IS FREE FROM NOXIOUS WEEDS. ALL OTHER DISTURBED AREAS SHALL BE STABILIZED WITH SOD, HYDRO-SEED, OR SEED AND MULCH. ARGENTINE BAHIA IS THE RECOMMENDED SOD TYPE FOR SLOPES.
5. CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT IN BASINS AND ROADS AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
6. ALL AREAS REQUIRING BLOCK SOD SHALL BE PINNED. ALL SOD PLACED ON SITE SHALL BE BAHIA SOD ONLY, UNLESS NOTED OTHERWISE.
7. ALL COMPONENTS OF THE STORMWATER DRAINAGE SYSTEM AND TRANSPORTATION SYSTEM SHALL BE COMPLETE PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
8. ON ALL CLEARED AREAS WHICH WILL NOT HAVE ACTIVE CONSTRUCTION UNDERTAKEN FOR A PERIOD OF 90 DAYS OR MORE, A GROUND COVER SHALL BE PLANTED OR OTHER FORMS OF STABILIZATION UTILIZED WITHIN 10 WORKING DAYS.

DEMOLITION NOTES:

1. CONTRACTOR SHALL HAVE A MINIMUM OF FIVE (5) YEARS OF EXPERIENCE IN DEMOLITION AND SITE CLEARING. ONCE DEMOLITION PHASE HAS COMMENCED, IT SHALL BE CONTINUED UNTIL COMPLETED.
2. BEFORE COMMENCING DEMOLITION THE CONTRACTOR SHALL NOTIFY ALL UTILITIES HAVING ABOVE OR BELOW GRADE SERVICES AND/OR STRUCTURES WITHIN THE CONSTRUCTION AREA AND IF NECESSARY ARRANGE FOR A UTILITY REPRESENTATIVE TO BE ON SITE DURING DEMOLITION.
3. EXCAVATIONS FROM DEMOLISHED DRAINAGE PIPES AND STRUCTURES SHALL NOT BE FILLED WITH ANY MATERIAL SUBJECT TO DETERIORATION. VOIDS IN EXCAVATION AREAS SHALL NOT BE PERMITTED. ALL OPEN EXCAVATION AREAS WHERE NEW DRAINAGE STRUCTURES ARE TO BE PLACED SHALL BE PROTECTED IN SUCH A WAY AS NOT TO ALLOW ANY DAMAGE TO SURROUNDING STRUCTURES OR PERSONS.
4. MATERIALS SHALL NOT BE STORED ON STREETS, DRIVEWAYS OR PUBLIC WALKWAYS UNLESS SPECIFICALLY NOTED IN THESE PLANS.
5. THE CONTRACTOR'S OPERATION SHALL BE CONFINED TO THE AREAS INCLUDED IN THE DEMOLITION. REFER ALSO TO NOTE #12
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO PRIVATE OR PUBLIC PROPERTY AS A RESULT OF THERE FAULT OR NEGLIGENCE IN CONNECTION WITH THE PROSECUTION OF THE WORK AND SHALL BE RESPONSIBLE FOR THE PROPER CARE AND PROTECTION OF ALL DEMOLITION WORK PERFORMED UNTIL COMPLETION AND FINAL ACCEPTANCE.
7. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS AND ORDINANCES GOVERNING THE DISPOSAL OF MATERIAL, DEBRIS, RUBBISH AND TRASH OFF OR ON THE PROJECT AREA, AND SHALL COMMIT NO TRESPASS ON ANY PRIVATE PROPERTY IN THE DISPOSAL OF THE MATERIAL WITHOUT SECURING PERMISSION OF THE PROPERTY OWNERS INVOLVED.
8. THE CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS AND DEBRIS FROM THE PROJECT SITE AS SOON AS POSSIBLE. DEMOLITION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF AT AN APPROVED LOCATION. NO DEMOLITION DEBRIS SHALL BE ALLOWED TO BE STORED ON SITE.
9. THE CONTRACTOR SHALL ALLOW THE PROJECT ENGINEER OR THEIR REPRESENTATIVE UNHINDERED ACCESS TO THE DEMOLITION AREAS AND ASSIST THE PROJECT ENGINEER IN CARRYING OUT INSPECTIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACTIONS AND RELATED WORK OF ALL SUBCONTRACTOR THEY EMPLOY ON THIS PROJECT.
11. POTENTIAL DELAYS AS A RESULT OF LACK OF COORDINATION WITH LOCAL UTILITIES WILL NOT BE CONSIDERED GROUNDS FOR CLAIM FOR ADDITIONAL TIME EXTENSIONS.
12. LIMITATIONS ON PROJECT SITE USAGE AND ACCESSIBILITY THAT IMPACT SITE UTILIZATION SHALL BE COORDINATED IN SUCH A WAY AS TO MINIMIZE LOST TIME AND SPACE FOR STORAGE OF MATERIALS AND EQUIPMENT ON SITE.
13. CONTRACTOR SHALL PROTECT ADJACENT STRUCTURES, DRIVEWAYS, SIDEWALKS, UTILITIES AND ALL OTHER EXISTING FACILITIES WITHIN THE DEMOLITION SITE NOT INTENDED TO BE DEMOLISHED WEATHER INDICATED OR NOT ON PLANS.
14. ALL TRENCHES MUST BE SECURED AT THE END OF THE DAY.
15. ANY DEWATERING ACTIVITIES MUST MEET FDEP REQUIREMENTS.



HAUL ROUTE & LAYDOWN AREA MAP
NOT TO SCALE



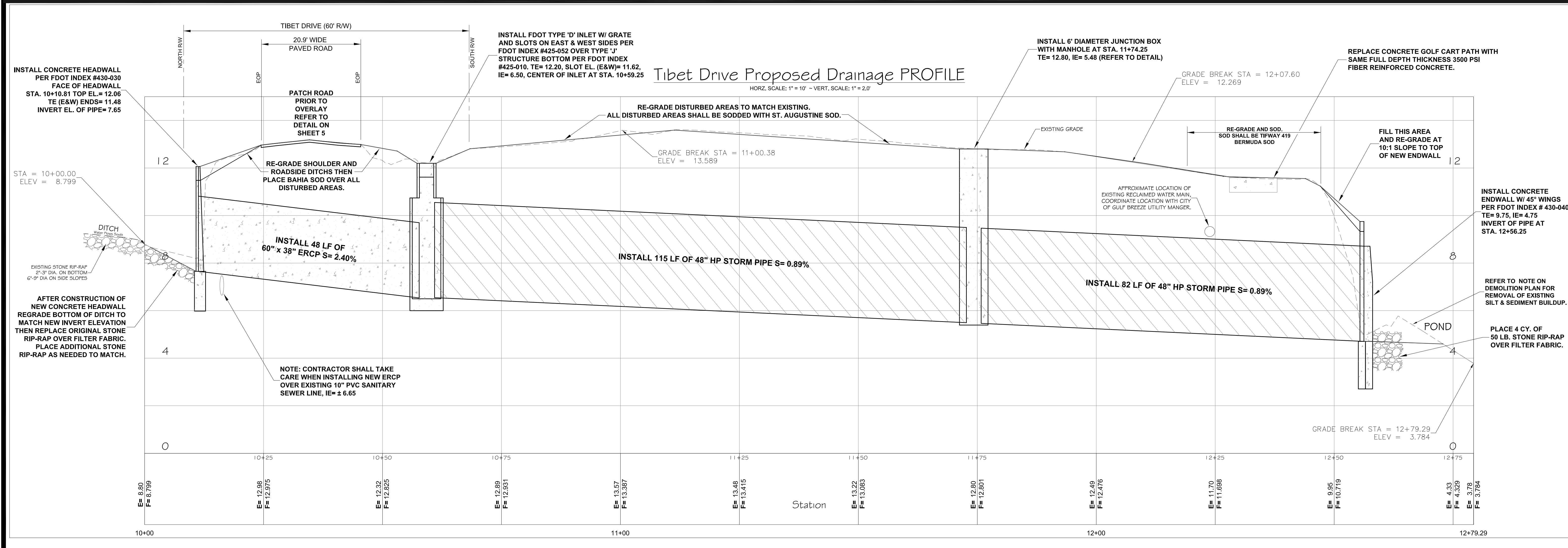
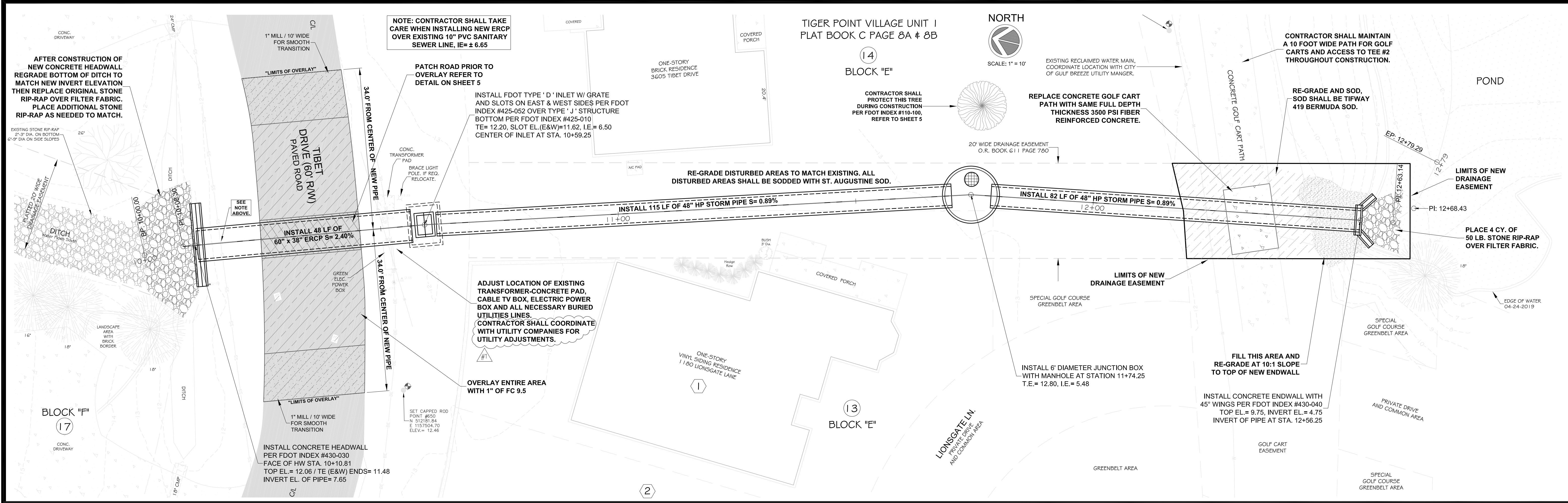
SANTA ROSA COUNTY ENGINEERING
6051 OLD BAGDAD HIGHWAY
SUITE 300
MILTON, FLORIDA 32583
(850) 981-7100

DEMOLITION & EROSION CONTROL PLAN & NOTES
FOR: TIBET DRIVE DRAINAGE
SANTA ROSA COUNTY, FLORIDA

REVISIONS:
REVISIONS TO BID SET 01-23-2020
N/A
N/A
DRAWN BY: D.C.G.
DATE DRAWN: 05-20-2019
FIELD DATE: 04-24-2019
F.B. 131 PAGE 51-59 & 77 PAGE N/A
PROJECT NO. 2019H-031-000
It's the Law! 811 CALL 48 HOURS BEFORE YOU DIG CALLING 811 IN FLORIDA ROUTES YOU TO SUNSHINE STATE ONE CALL
SHEET 3 OF 8

Date:

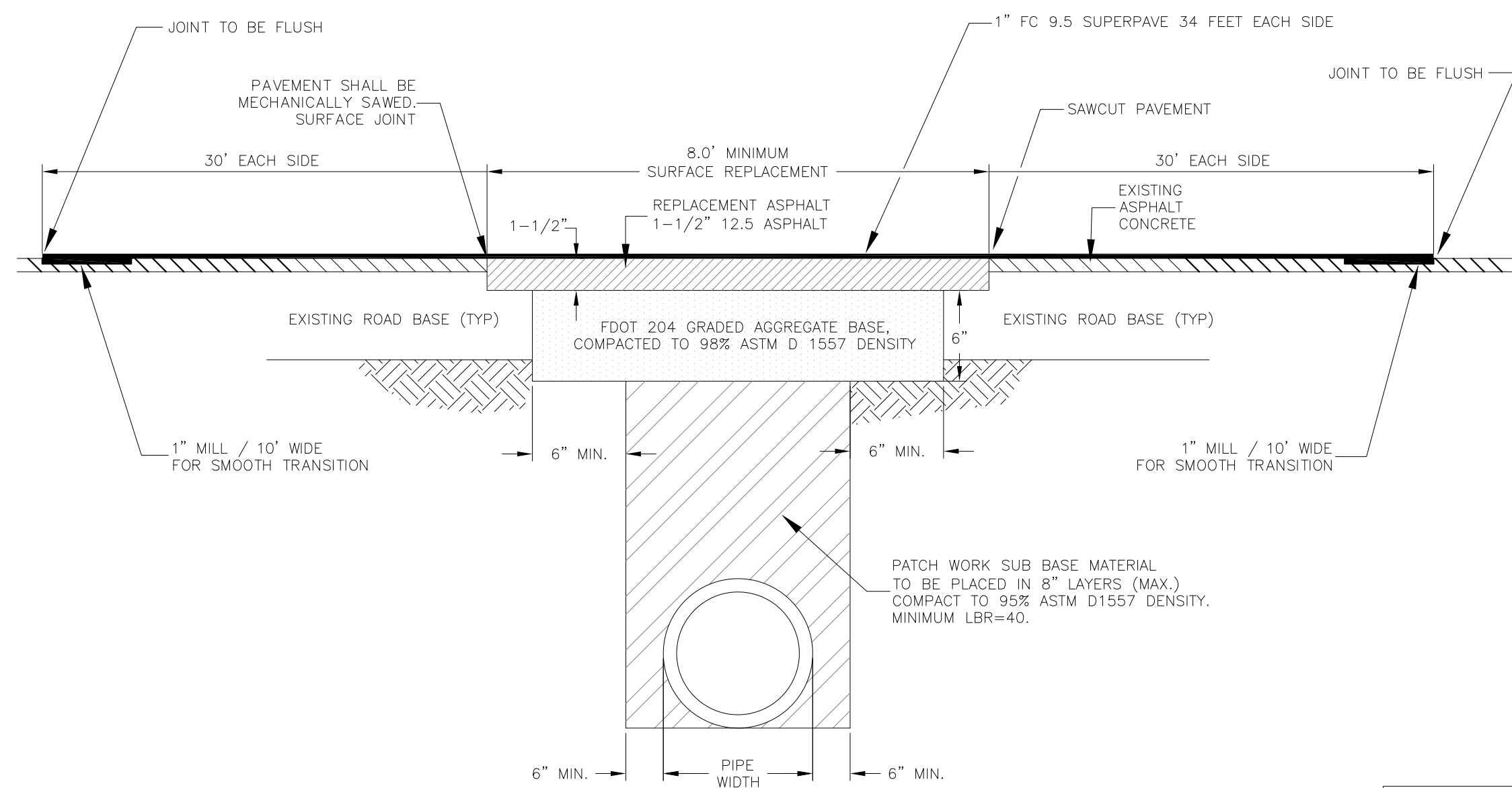
REBECCA JONES, P.E. #66395 PROJECT ENGINEER



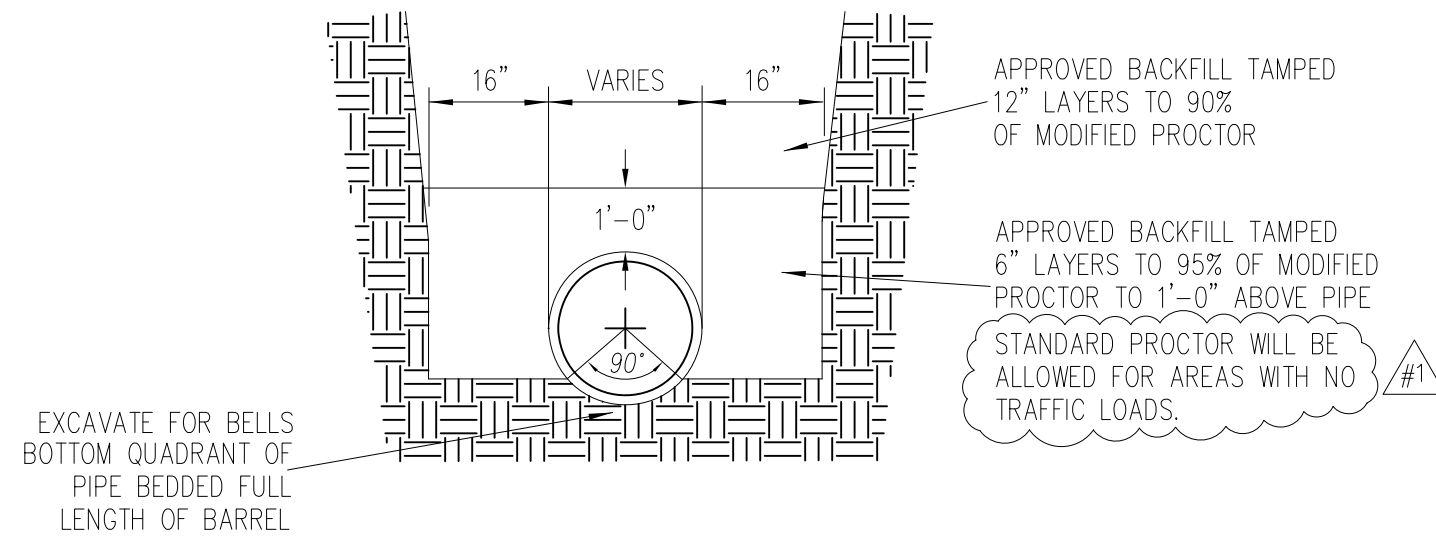
SANTA ROSA COUNTY ENGINEERING
 6051 OLD BAGDAD HIGHWAY
 SUITE 300
 MILTON, FLORIDA 32583
 (850) 981-7100

PROPOSED AMENITIES PLAN & PROFILE SHEET
FOR: TIBET DRIVE DRAINAGE
 SANTA ROSA COUNTY, FLORIDA

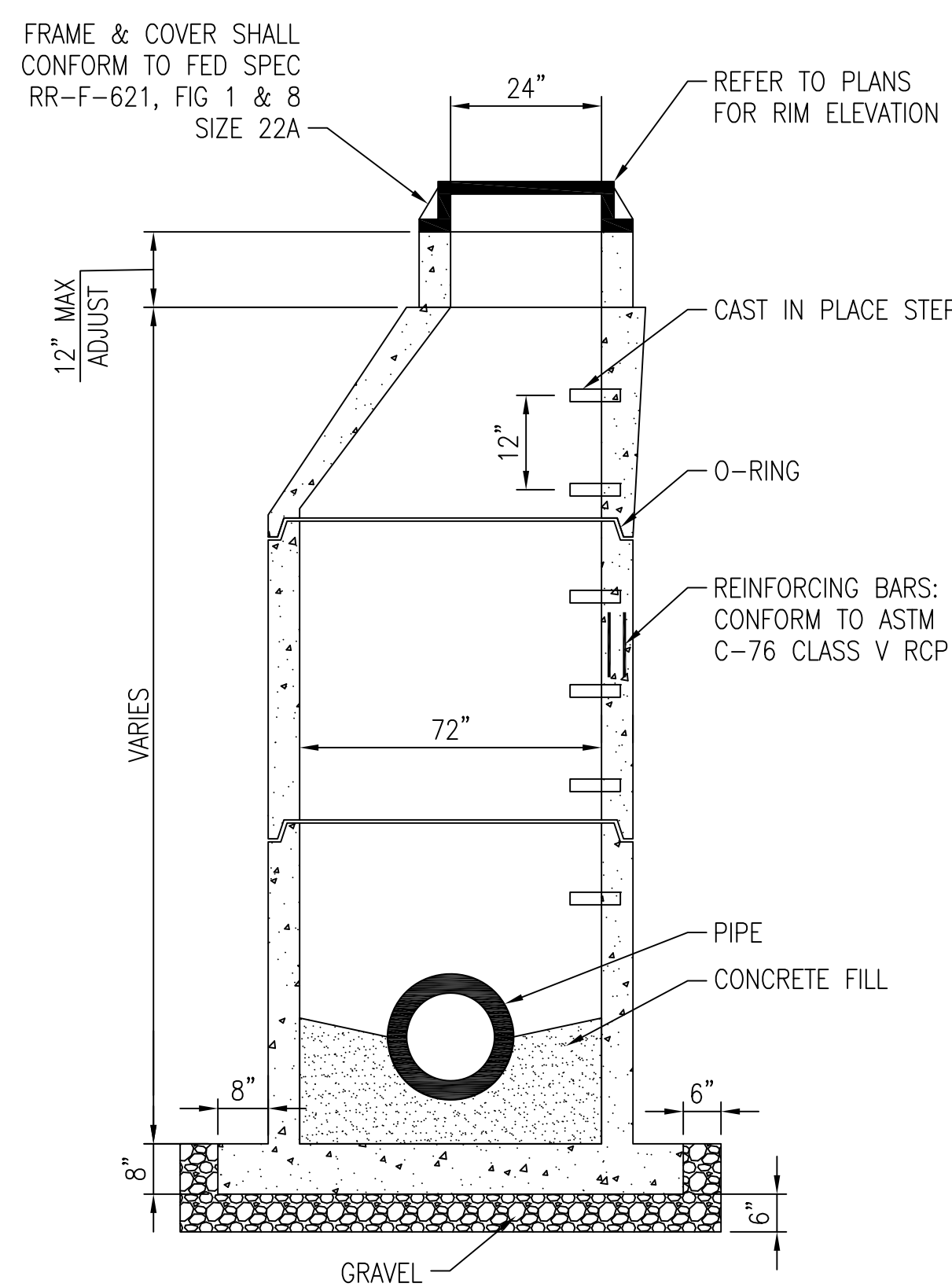
REVISIONS:
REVISIONS TO BID SET 01-23-2020
N/A
N/A
DRAWN BY: D.C.G.
DATE DRAWN: 05-20-2019
FIELD DATE: 04-24-2019
F.B. 131 PAGE 51-59 & 77 PAGE N/A
PROJECT NO. 2019H-031-000
It's the Law! 811 CALL 48 HOURS BEFORE YOU DIG CALLING 811 IN FLORIDA ROUTES YOU TO SURVIVE STATE ONE CALL
SHEET 4 OF 8



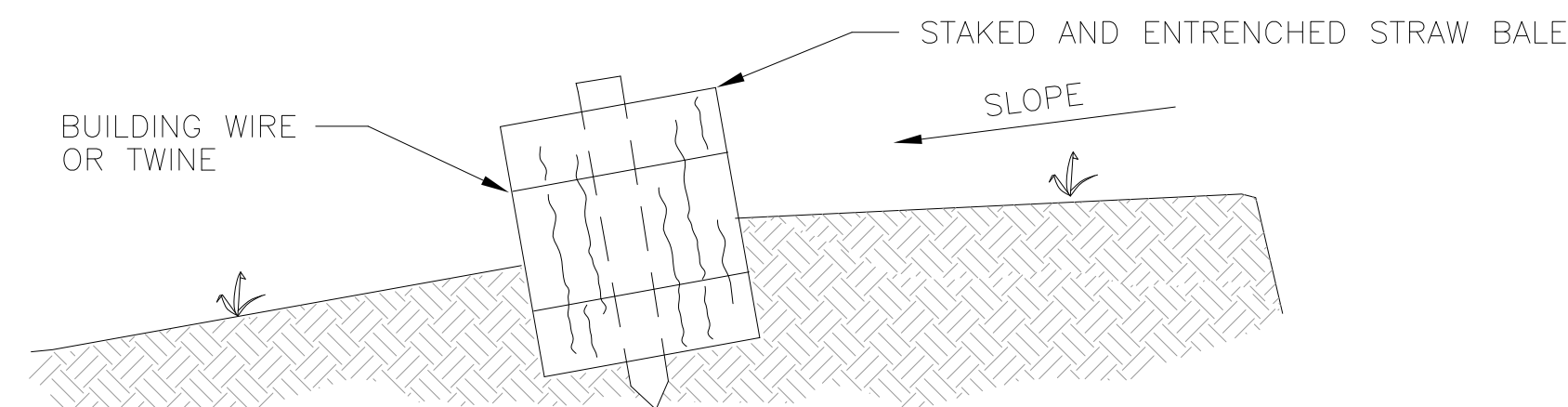
STANDARD PATCH DETAIL
NOT TO SCALE



PIPE BEDDING DETAIL
NOT TO SCALE



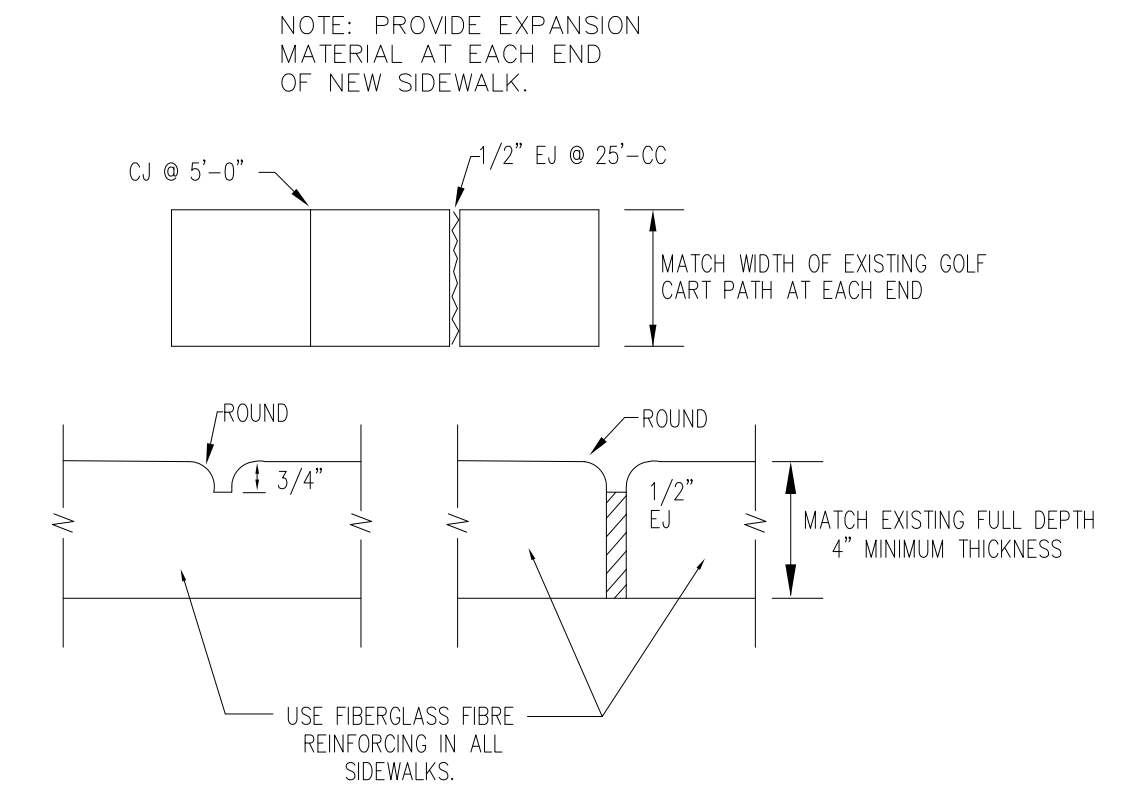
PRECAST CONCRETE MANHOLE
NOT TO SCALE



HAY BALE BARRIER CONSTRUCTION

HAY BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. ALL BALES SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES OR REBARS SHALL BE DRIVEN DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR THE BALES. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS NEEDED. HAY BALE BARRIERS SHALL BE REMOVED AFTER THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED. HAY BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

HAY BALE BARRIER DETAIL
NOT TO SCALE



GOLF CART PATH REPAIR DETAIL
NOT TO SCALE

NOTES:

- Critical Root Zone: Extends in all directions from trunk of tree to a distance equal to one root per inch of trunk diameter at breast height.
- Staging, storage, dumping, washing and operation of equipment is not permitted within the limits of the tree protection barrier, including during barrier installation.
- Install all tree protection prior to commencement of construction and remove when directed by the Engineer. Maintain protection at all times.
- For closely spaced groups of trees, place the tree protection barrier around the entire group.
- Inspect trunk protection and tree quarterly to prevent girdling. Adjust bands to allow tree growth as needed.
- See plans for any additional requirements or modifications within the tree protection area.
- Place weather resistant sign every 50' along the barrier, with 6" minimum text height and provide text in English and Spanish. Sign should read "Keep Out Tree Protection Area".
- Alternate tree protection systems approved by the Engineer may be used in lieu of the tree protection barrier detailed on this sheet as long as the critical root zone is protected.
- The Critical Root Zone may be reduced, in the field, by a certified Arborist or Landscape Architect.

PLAN

PROTECTION BARRIER FOR TREE GROUPINGS

ELEVATION

SECTION A-A

TRUNK PROTECTION

TREE PROTECTION BARRIER

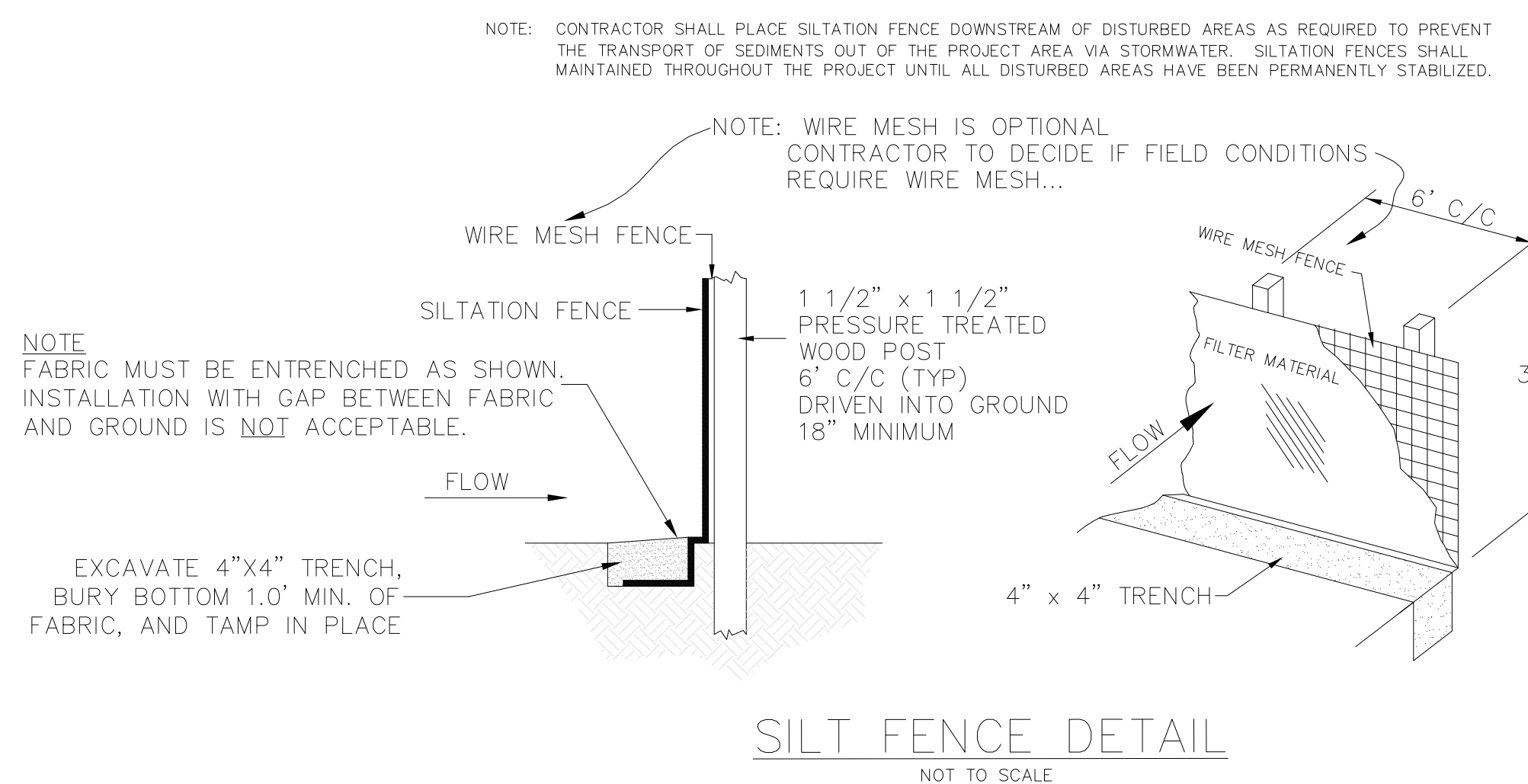
NOTE: CONTRACTOR SHALL PLACE SILTATION FENCE DOWNSTREAM OF DISTURBED AREAS AS REQUIRED TO PREVENT THE TRANSPORT OF SEDIMENTS OUT OF THE PROJECT AREA VIA STORMWATER. SILTATION FENCES SHALL MAINTAINED THROUGHOUT THE PROJECT UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

NOTE: WIRE MESH IS OPTIONAL. CONTRACTOR TO DECIDE IF FIELD CONDITIONS REQUIRE WIRE MESH...

NOTE: FABRIC MUST BE ENTRENCHED AS SHOWN. INSTALLATION WITH GAP BETWEEN FABRIC AND GROUND IS NOT ACCEPTABLE.

NOTE: EXCAVATE 4"x4" TRENCH, BURY BOTTOM 1.0' MIN. OF FABRIC, AND TAMP IN PLACE.

LAST REVISION	DESCRIPTION:	FDOT	FY 2019-20	STANDARD PLANS	TREE PROTECTION AND PRESERVATION	INDEX	SHEET
11/01/18						110-100	1 of 1



SILT FENCE DETAIL
NOT TO SCALE

REVISIONS:

REVISIONS TO BID SET 01-23-2020	N/A
	N/A

DRAWN BY:
D.C.G.

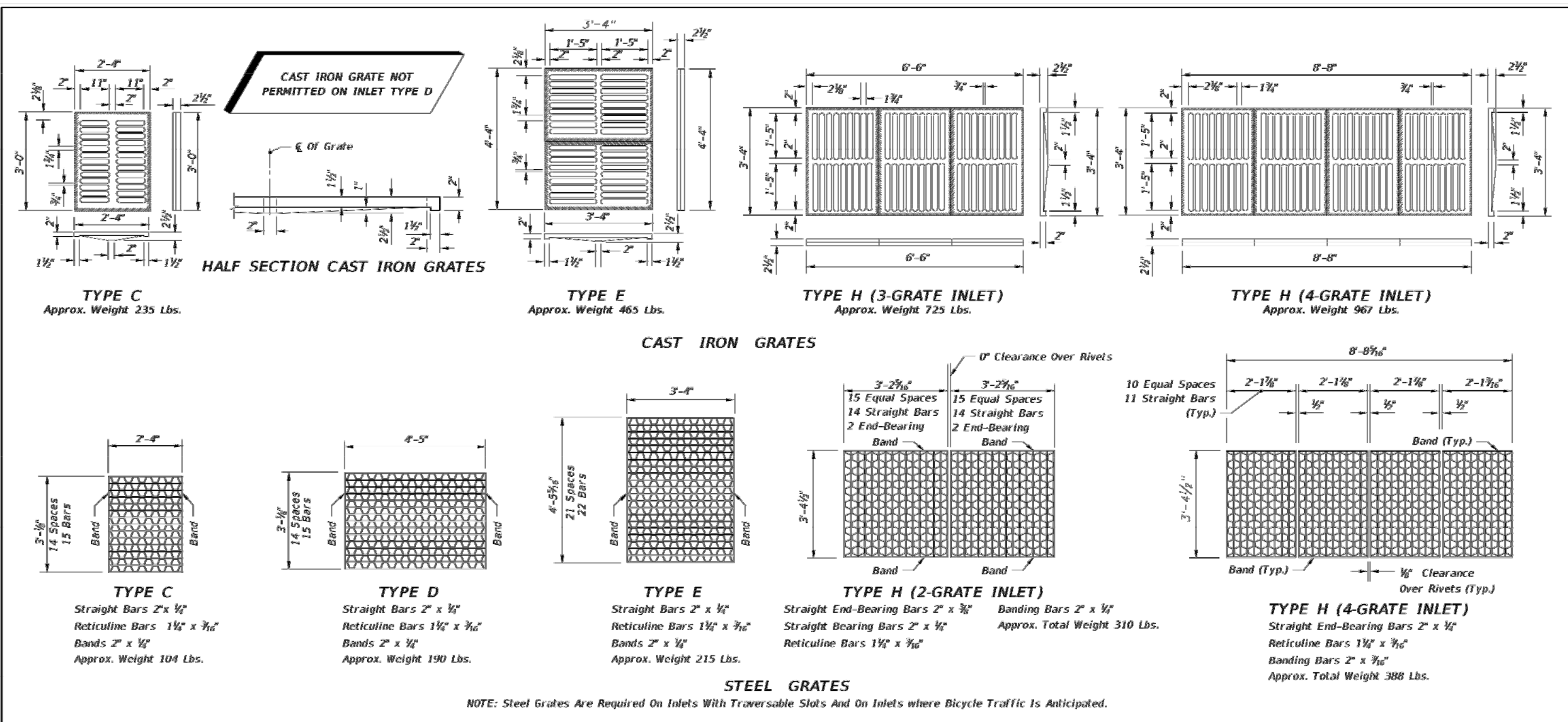
DATE DRAWN:
08-13-2019

FIELD DATE:
N/A

F.B. N/A
PAGE N/A
PAGE N/A

PROJECT NO.
2019-031-000

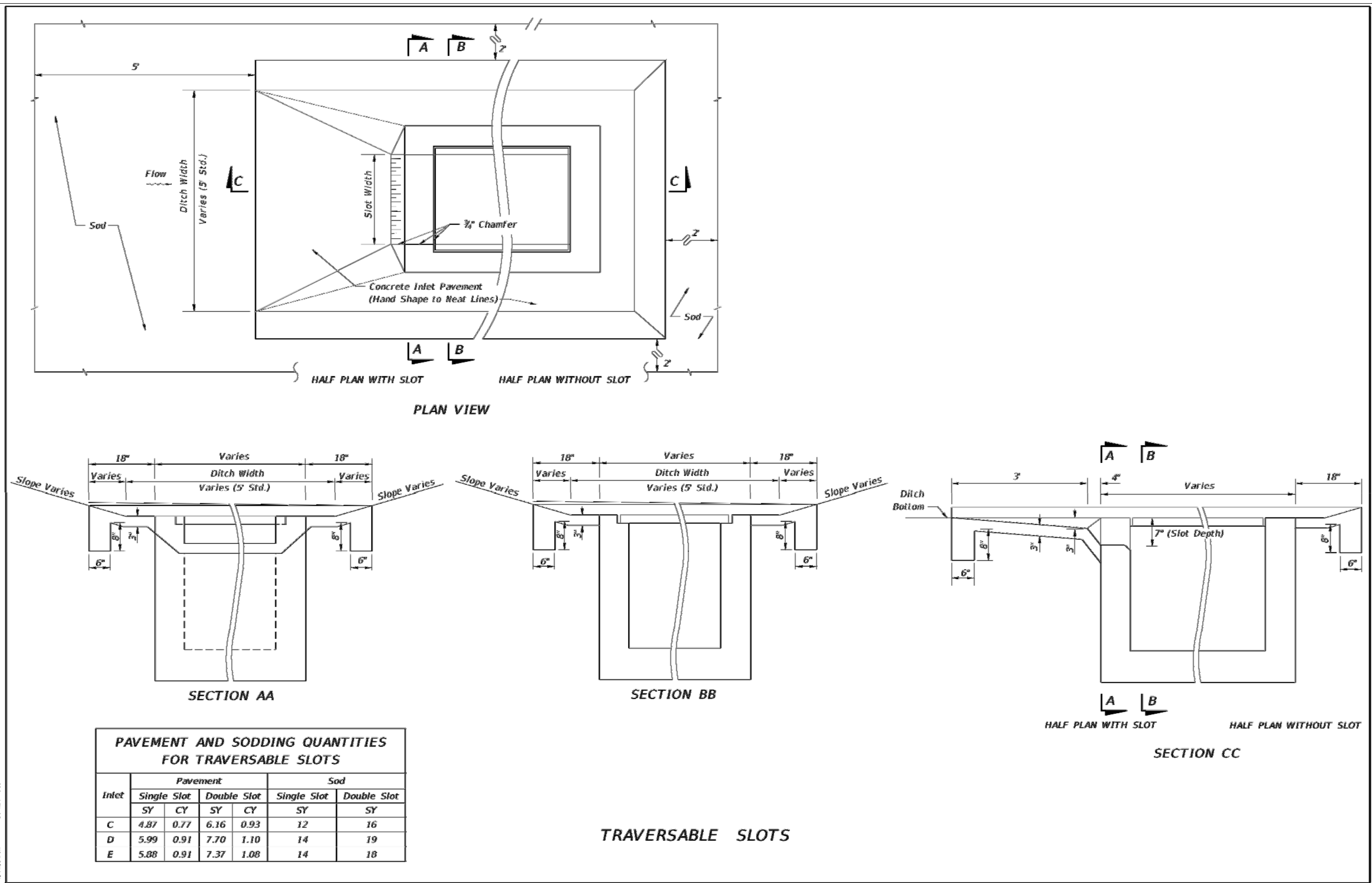
It's the Law!
811
CALL 48 HOURS BEFORE YOU DIG



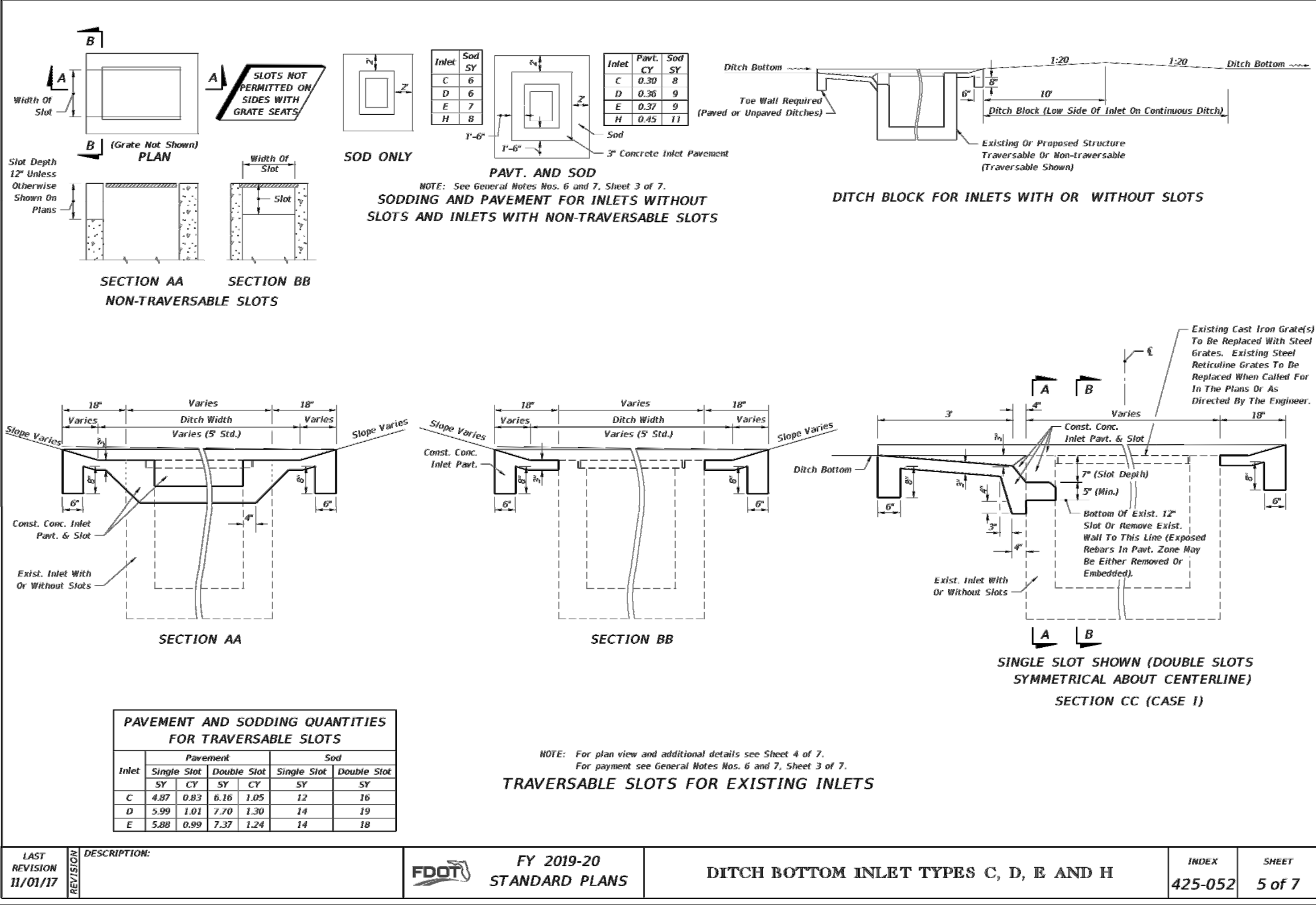
GENERAL NOTES

- These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet.
- Inlets subject to minimal debris should be constructed without slots. Where debris is a problem inlets should be constructed with slots. Slotted inlets located within roadway clear zones and areas subject to pedestrian traffic shall have traversable slots. The traversable slot modification is not adaptable to inlet Type H. Slots may be constructed at either or both ends as shown on plans. Traversable slots shall not be used in areas subject to occasional bicycle traffic.
- Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets with traversable slots. Either cast iron or steel grates may be used on all inlets with non-traversable slots. Subject to the selection described above, when alternate grate is specified in the plans, either the steel grate, hot dip galvanized after fabrication, or the cast iron grate may be used, unless the plans stipulate the particular type.
- Recommended maximum pipe sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.
- All exposed edges and corners shall be 1/4" chamfer or tool to 1/4" radius.
- Concrete inlet pavement to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans; but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.
- Traversable slots constructed in existing inlets shall be paid for as inlets partial. For conversion work and method of payment see TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS.
- Sodding to be used on all inlets not located in paved areas and paid for under contract unit price for Performance Test, S1.
- For supplementary details see Index 425-001.
- All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 1/2" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.

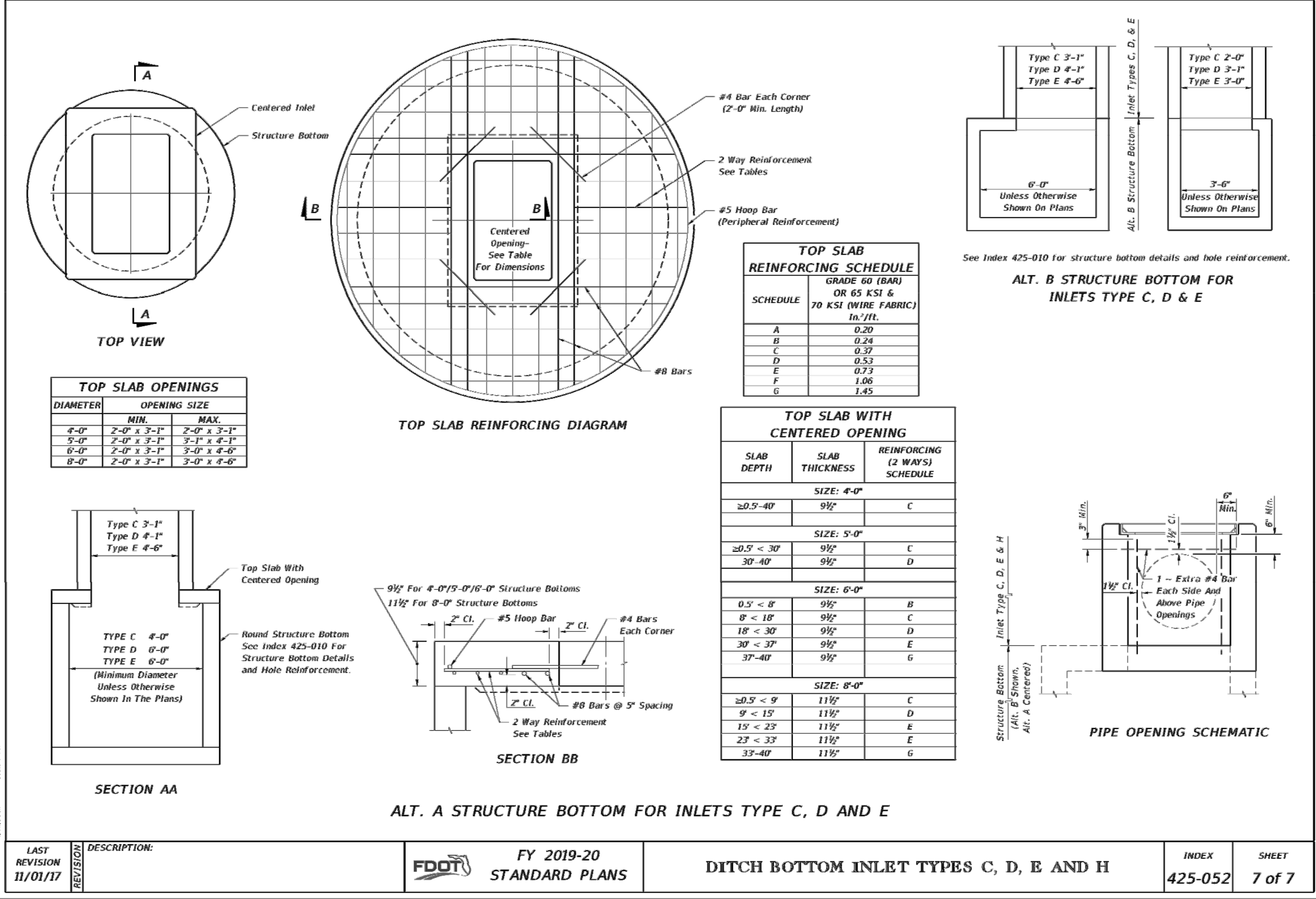
LAST REVISION 11/01/17	DESCRIPTION: FDOT FY 2019-20 STANDARD PLANS	INDEX 425-052	SHEET 3 of 7
---------------------------	--	------------------	-----------------



LAST REVISION 11/01/17	DESCRIPTION: FDOT FY 2019-20 STANDARD PLANS	INDEX 425-052	SHEET 4 of 7
---------------------------	--	------------------	-----------------



LAST REVISION 11/01/17	DESCRIPTION: FDOT FY 2019-20 STANDARD PLANS	INDEX 425-052	SHEET 5 of 7
---------------------------	--	------------------	-----------------



LAST REVISION 11/01/17	DESCRIPTION: FDOT FY 2019-20 STANDARD PLANS	INDEX 425-052	SHEET 7 of 7
---------------------------	--	------------------	-----------------

SANTA ROSA COUNTY ENGINEERING
6051 OLD BAGDAD HIGHWAY
SUITE 300
MILTON, FLORIDA 32583
(850) 981-7100

FDOT FY 2019-20 STANDARD DETAILS
FOR: TIBET DRIVE DRAINAGE
SANTA ROSA COUNTY, FLORIDA

REVISIONS:
N/A
N/A
N/A

DRAWN BY:
FDOT

DATE DRAWN:
N/A

FIELD DATE:
N/A

F.B. N/A
PAGE N/A
PAGE N/A

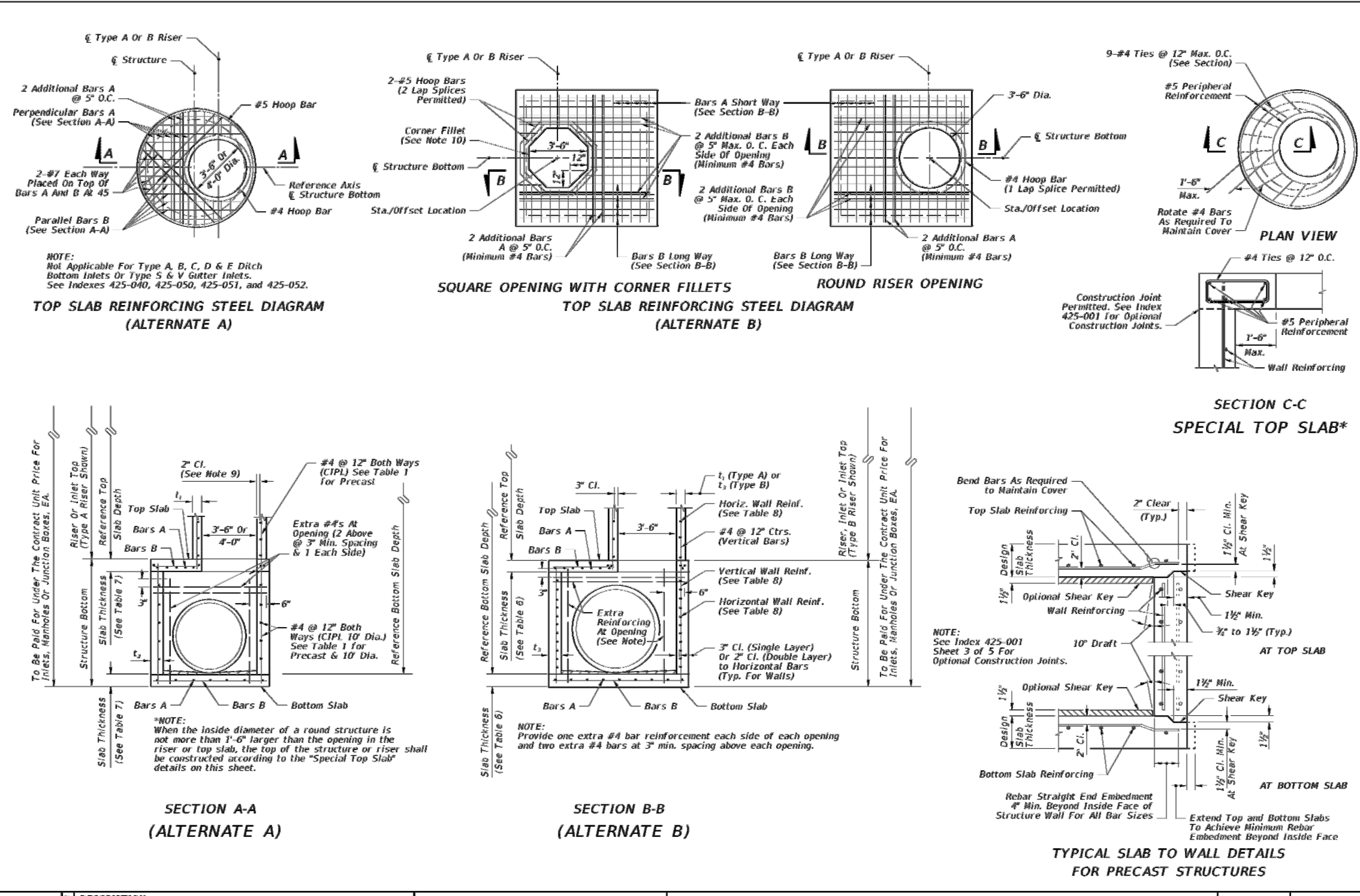
PROJECT NO.
2019H-031-000

It's the Law!
811

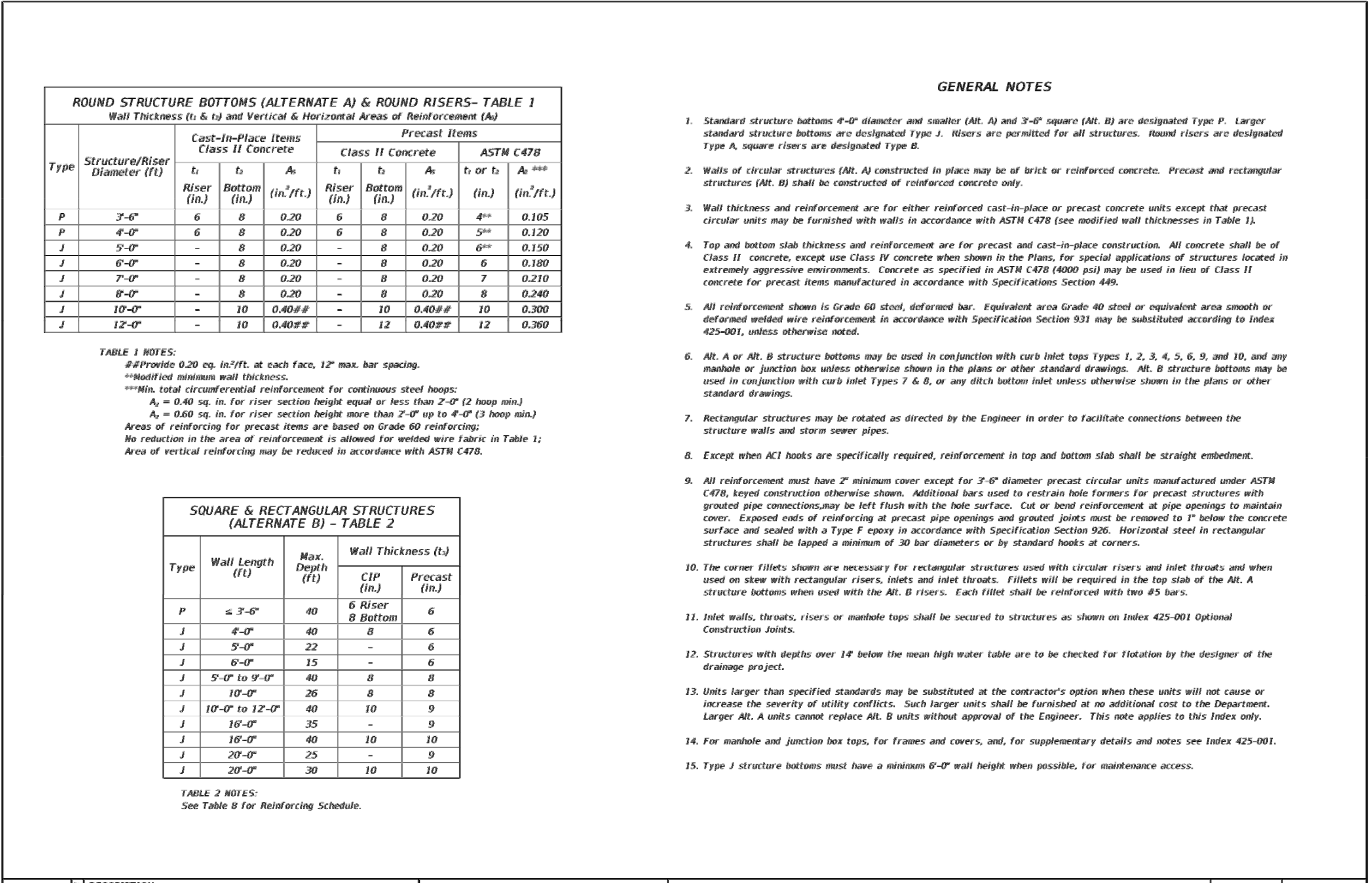
CALL 48 HOURS BEFORE YOU DIG

CALLING 811 IN FLORIDA ROUTES YOU TO SINKING STATE ONE CALL

SHEET
7 OF 8



LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
11/01/17				425-010	1 of 5



LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
11/01/17				425-010	2 of 5

SLAB DESIGNS - SQUARE AND RECTANGULAR STRUCTURES (TABLE 6)
(ALL SLABS 8" THICK EXCEPT AS NOTED - REINFORCING PARALLEL TO SHORT WAY AND LONG WAY)

SHORT-WAY		LONG-WAY	
SLAB DEPTH	SCHEDULE (Bars A)	SLAB DEPTH	SCHEDULE (Bars B)
SIZE: 3'-0" x UNLIMITED			
8" < 12"	B5.5	24" < 24"	B5.5
12" < 31"	C6.5	18" < 27"	E5
31" < 40"	D7	27" < 33"	E3
33" < 40"		33" < 40"	F5
SIZE: 4' x UNLIMITED			
8" < 12"	B5.5	15" < 24"	B10
12" < 31"	D7	24" < 30"	C6.5
31" < 40"	E5		
SIZE: 5' x 5'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		
SIZE: 6' x 6'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		
SIZE: 7' x 7'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		
SIZE: 8' x 8'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		
SIZE: 9' x 9'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		
SIZE: 10' x 10'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		
SIZE: 12' x 12'			
8" < 12"	B5.5	15" < 24"	C6.5
12" < 31"	D7	24" < 30"	D4.5
31" < 40"	E5		

SLAB AND WALL DESIGN TABLE NOTES

- Size is the inside dimension(s) of a structure.
- Slab reinforcement is appropriate for top, intermediate, and bottom slabs.
- Bottom Slabs for precast 3'-0" x 3'-0" rectangular structures at 15' depth or less, may be 6" thick.
- Slab depth is measured from finished grade to top of slab.
- Wall depth is measured to the top of the bottom slab for boxes and to the top of the intermediate slab for risers.
- Wall height is the distance between top of lower slab to bottom of upper slab. Maximum wall height is 12' for wall lengths exceeding 5', or 10' for wall lengths exceeding 12'.

LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
11/01/17				425-010	4 of 5

SLAB DESIGNS - ROUND STRUCTURES (TABLE 7)

SLAB DEPTH	SCHEDULE (Bars A)	SLAB DEPTH	SCHEDULE (Bars B)
SIZE: 3'-0" DIAMETER			
2'-10"	C6.5	9" < 13"	E5
10" < 19"	D7	13" < 18"	F5
19" < 30"	E5	18" < 23"	F3.5
30" < 40"		23" < 30"	G3.5
SIZE: 4'-0" DIAMETER			
8" < 14"	D7	7" < 9"	D4.5
14" < 23"	E5	9" < 12"	E3
23" < 31"	G3.5	13" < 20"	F5
31" < 40"		20" < 23"	F3.5
40" < 40"		23" < 31"	G3.5
SIZE: 6'-0" DIAMETER			
8" < 14"	D7	7" < 9"	D4.5
14" < 23"	E5	9" < 12"	E3
23" < 31"	G3.5	13" < 20"	F5
31" < 40"		20" < 23"	F3.5
40" < 40"		23" < 31"	G3.5
SIZE: 9'-0" DIAMETER			
8" < 14"	D7	7" < 9"	D4.5
14" < 23"	E5	9" < 12"	E3
23" < 31"	G3.5	13" < 20"	F5
31" < 40"		20" < 23"	F3.5
40" < 40"		23" < 31"	G3.5
SIZE: 12'-0" DIAMETER			
8" < 14"	D7	7" < 9"	D4.5
14" < 23"	E5	9" < 12"	E3
23" < 31"	G3.5	13" < 20"	F5
31" < 40"		20" < 23"	F3.5
40" < 40"		23" < 31"	G3.5

WALL DESIGNS - RECTANGULAR STRUCTURES (TABLE 8)

VERTICAL REINFORCING	HORIZONTAL REINFORCING	WALL THICKNESS		
WALL DEPTH	SCHEDULE	WALL DEPTH	SCHEDULE	WALL THICKNESS
SIZE: 3'-0" & RISERS				
8" < 14"	A12	8" < 14"	B10	6" & 8"
14" < 23"	A12	14" < 23"	B10	6" & 8"
23" < 31"	A12	23" < 31"	B10	6" & 8"
SIZE: 4'-0"				
8" < 14"	A12	8" < 14"	B10	6" & 8"
14" < 23"	A12	14" < 23"	B10	6" & 8"
23" < 31"	A12	23" < 31"	B10	6" & 8"
SIZE: 6'-0"				
8" < 14"	A12	8" < 14"	B10	6" & 8"
14" < 23"	A12	14" < 23"	B10	6" & 8"
23" < 31"	A12	23" < 31"	B10	6" & 8"
SIZE: 9'-0"				
8" < 14"	A12	8" < 14"	B10	6" & 8"
14" < 23"	A12	14" < 23"	B10	6" & 8"
23" < 31"	A12	23" < 31"	B10	6" & 8"
SIZE: 12'-0"				
8" < 14"	A12	8" < 14"	B10	6" & 8"
14" < 23"	A12	14" < 23"	B10	6" & 8"
23" < 31"	A12	23" < 31"	B10	6" & 8"

REINFORCING SCHEDULE

SCHEDULE	GRADE 60 AREA (in.²)	CR 60 BARS (in.)	MAXIMUM SPACING (in.)	WWR EQUIV. AREA*
A12	0.20	12	8	8
A6	0.20	6	5	4½
B10	0.24	10	8	7½
B5.5	0.24	5	4	4
C6.5	0.27	6½	6	5
C3.5	0.37	3½	3	2½
D7	0.53	7	6	5
D4.5	0.53	4½	4	3½
E5	0.73	5	4	4
E3	0.73	3	3	3
F5	1.06	5	4	4
F3.5	1.06	3½	3	3
G5	1.45	5	4	4
G3.5	1.45	3½	3	3
H4	1.75	4	3	3

WALL REINFORCING SPLICE DETAILS (ALTERNATE B)

LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
11/01/17				425-010	5 of 5