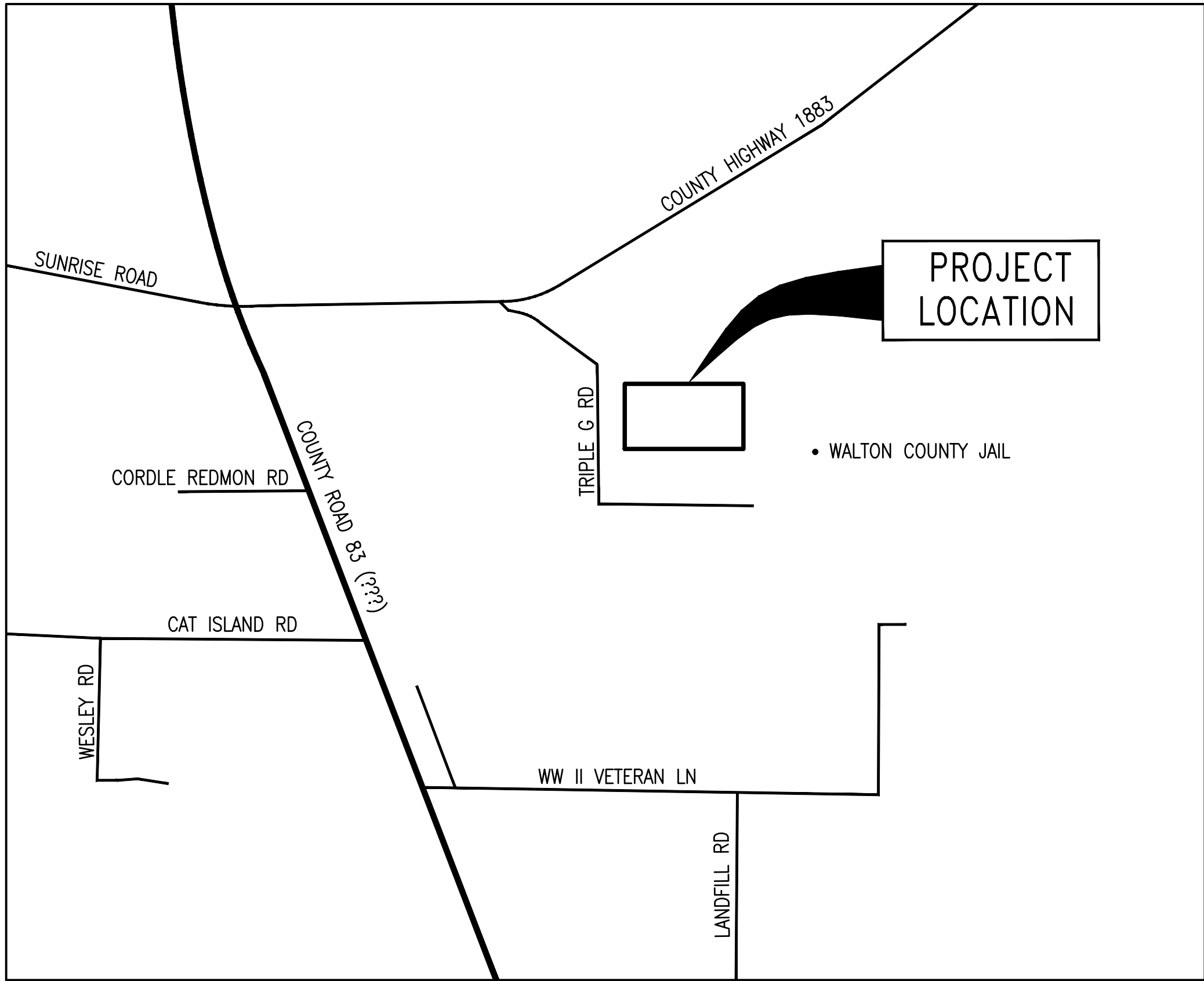


CONSTRUCTION PLANS
FOR
WALTON COUNTY
SHERIFF DRIVER TRAINING FACILITY
221 TRIPLE G ROAD
WALTON COUNTY, FL

FEMA FLOOD INSURANCE RATE MAP INFORMATION		
FLOOD ZONE	MAP NO.	MAP REVISION DATE
X	12131C0190G	SEPTEMBER 29, 2010



VICINITY MAP
SCALE: 1" = 1000'



MARCH 2020

PREPARED BY



SITE-CIVIL ENGINEERS
KG DEVELOPMENT SERVICES, LLC
1550 CREIGHTON RD, SUITE 1
PENSACOLA, FL 32504
850-332-6288
FL Certificate of Auth. # 32274

KG D PROJECT No. 1903

SHEET INDEX

SHEET	CONTENT
G-000	COVER SHEET
G-001	GENERAL NOTES
C-100	OVERALL/EXISTING CONDITIONS PLAN
C-101	CONTROL/KEY PLAN
C-102	EROSION CONTROL PLAN
C-103	STORMWATER POLLUTION CONTROL PLAN
C-104	IMPROVEMENTS PLAN
C-105	IMPROVEMENTS PLAN
C-106	UTILITY PLAN
C-900	SITE DETAILS
C-901	SITE DETAILS
C-902	POND DETAILS
C-903	FDOT DETAILS
C-904	FDOT DETAILS
C-905	UTILITY DETAILS
C-906	UTILITY DETAILS
E-100	ELECTRICAL LEGEND & GENERAL NOTES
E-200	ELECTRICAL SITE PLAN
E-300	DRIVER PAD LIGHTING AND SCHEDULES

BID SET

GENERAL NOTES:

1. THE CONTRACTOR SHOULD VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.
2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED.
3. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER LINES, BURIED TELEPHONE LINES, BURIED ELECTRICAL LINES AND GAS MAINS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANIES FOR REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, BURIED CABLE AND OTHER UTILITIES.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER DESIGNEE IMMEDIATELY OF ANY CONFLICTS BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND, MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHOULD NOTIFY THE ENGINEER DESIGNEE, IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE, OR OTHER UNUSUAL CONDITION. EXISTING CONDITIONS ARE BASED ON SURVEYS BY LAND ENGINEERING SERVICES.
5. CONTRACTOR SHALL SAFETY--BARRICADE ALL EXCAVATIONS AND OTHER HAZARDS.
6. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 102, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2000 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
7. CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES ADJACENT TO THE CONSTRUCTION AREAS. ADEQUATE BARRICADES, CONSTRUCTION SIGNAGE AND OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH FDOT CONSTRUCTION STANDARDS.
8. ADEQUATE PROVISIONS SHALL BE MADE FOR THE FLOW OF SEWERS, DRAINS, WATER COURSES AND OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION.
9. ALL TREES IN THE PROJECT AREA ARE TO REMAIN UNLESS NOTED FOR REMOVAL OR APPROVED BY THE COUNTY ENGINEER DESIGNEE.
10. THE CONTRACTOR IS TO REPLACE TO EXISTING CONDITIONS OR BETTER ANY FENCES, SPRINKLER SYSTEMS, OR OTHER EXISTING IMPROVEMENTS IMPACTED DURING CONSTRUCTION, WHETHER DEPICTED IN THE PLANS OR NOT.
11. ALL MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NOS.
12. ALL TRAFFIC CONTROL SIGNS AND MARKINGS SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FHWA, LATEST EDITION.
13. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS--BUILT" SIGN--OFF.
14. ALL NEW CONCRETE FOR THE SITE WORK SHALL ACHIEVE A 28 DAY STRENGTH OF 3000 PSI (MIN.) UNLESS OTHERWISE SPECIFIED.
15. ALL DISTURBED AREAS WHICH ARE NOT SODDED OR PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, AND/OR HYDROSEED. SEEDED AREAS SHALL INCLUDE BAHIA MIX TO ENSURE CONTINUED GROWTH AFTER WINTER MONTHS. SEED IN ACCORDANCE WITH FDOT SECTION 570 AND STANDARD INDEX 105.
16. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS--BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOP OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
17. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND SANTA ROSA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPROVEMENTS.
18. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PROVIDED BY TIERRA. INC. PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES:

ALL WORK SHALL COMPLY TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION) DIVISION 2 & 3 AS MODIFIED HEREIN.

CLEARING & GRUBBING: IN ADDITION TO STANDARD CLEARING AND GRUBBING, THE CONTRACTOR SHALL REMOVE THE EXISTING IRRIGATION SYSTEM AND ANY OTHER UNDERGROUND UTILITIES FROM BENEATH THE DRIVER PAD. THE IRRIGATION SYSTEM SHALL BE CAPPED OUTSIDE THE DRIVER PAD FOOTPRINT IN COORDINATION WITH THE OWNER.

EARTHWORK: REFER TO TIERRA GEOTECHNICAL REPORT FOR SITE PREPARATION GUIDELINES. PRIOR TO PLACING ANY FILL MATERIALS, THE SITE SHALL BE PROOF ROLLED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER AND ANY YIELDING SOILS SHALL BE UNDERCUT AND BACKFILLED AS DISCUSSED IN THE GEOTECHNICAL REPORT. ALL UNPAVED AREAS SHALL BE GRADED UNIFORMLY TO WITH 0.10 FEET OF PROPOSED GRADE AND PAVED AREAS SHALL BE GRADED TO WITHIN 0.5 INCHES OF GRADE.

SOD/GRASSING: CONTRACTOR SHALL SOD THE ENTIRE PERIMETER OF THE DRIVER PAD AND ALL SLOPES STEEPER THAN 10:1. POND SIDE SLOPES SHALL BE SODDED, AND POND BOTTOM MAY EITHER BE SODDED OR SEEDED WITH PERMANENT MIXTURE TO PREVENT EROSION. SOD SHALL BE ARGENTINE BAHIA.

RIPRAP: MATERIAL SPECIFICATIONS SHALL CONFORM WITH FDOT RIPRAP (BANK & SHORE). D50 = 8 INCH; MINIMUM SIZE 4 INCH; MAXIMUM SIZE 12 INCH

SKID AREA: SEAL MASTER SMT--100 SHALL BE INSTALLED ON THE 50'X 200' AREA DEPICTED ON THE PLANS. A MINIMUM OF TWO COATS SHALL BE APPLIED AT A RATE OF 0.12 GALLONS PER SQUARE YARD PER COAT. ASPHALT SURFACE SHALL BE ALLOWED TO CURE A MINIMUM OF 1 MONTH PRIOR TO THE PLACEMENT OF THE SEAL COAT. THE SEAL COAT SHALL BE PLACED IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS WITH THE EXCEPTION THAT NO SAND SHALL BE ADDED TO THE MIXTURE.

QUALITY CONTROL: THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE QUALITY CONTROL TESTING CONDUCTED BY AN INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. CERTIFIED COPIES OF ALL TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER OF RECORD TO CONFIRM COMPLIANCE WITH SPECIFICATIONS.

ITEM	REQUIREMENT	FREQUENCY
EMBANKMENT	98% MODIFIED PROCTOR (UNDER PAVEMENT) 95% MODIFIED PROCTOR (UNPAVED AREAS)	1 TEST/1000 SY PER LIFT
STABILIZED SUBGRADE	MIN LBR 40 98 % MODIFIED PROCTOR	1 TEST/ 1000 SY
BASE	MIN LBR 100 98% MODIFIED PROCTOR	1 TEST/ 500 SY
ASPHALTIC CONCRETE	PER FDOT	
CONCRETE/STRUCTURE	PER FDOT	



SITE-CIVIL ENGINEERS
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850--332-6288

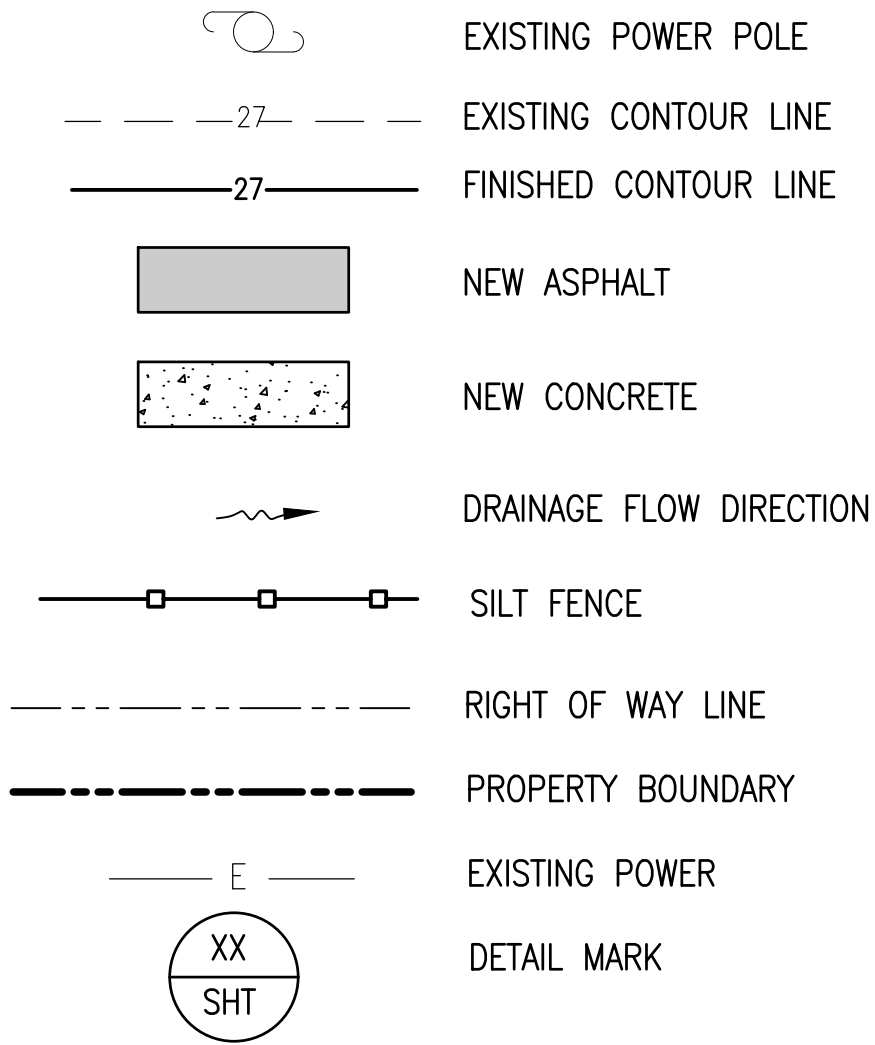
KETH P. GUTHRIE, P.E.
FL Reg. Engineer #47905

WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY

G-001	GENERAL NOTES	PROJECT NO: 1903		REVISION / ACTION TAKEN	
		DATE: MARCH 2020		NO.	DATE
		PROJECT MGR: K GUTHRIE			4/3/20
		SCALE: AS SHOWN			
NOT RELEASED FOR CONSTRUCTION				APPR.	RELEASED FOR BID
G-001					

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LEGEND



NOTES:

- ALL EXISTING CONDITIONS ON THESE PLANS ARE REFERENCED TO THE BOUNDARY SURVEY AND TOPOGRAPHIC INFORMATION COMPLETED BY LAND ENGINEERING SERVICES, LLC. IN SEPTEMBER 2018 AND DECEMBER 2019.
- BEARING BASIS ARE THE TWO 4"x4" CM #7136 AS BEING N 01°21'45" E (FROM STATE PLANE COORDINATE SYSTEM, ZONE FLORIDA NORTH, NORTH AMERICAN DATUM 1983).
- VERTICAL DATUM, NAVD 1988.

SUBJECT PARCEL:

PARCEL NO: 02-3N-19-19000-028-0010

PARCEL ADDRESS: 221 TRIPLE G ROAD
DEFUNIAK SPRINGS, FLORIDA

TOTAL PROPERTY AREA: 19.61 (ACRES)

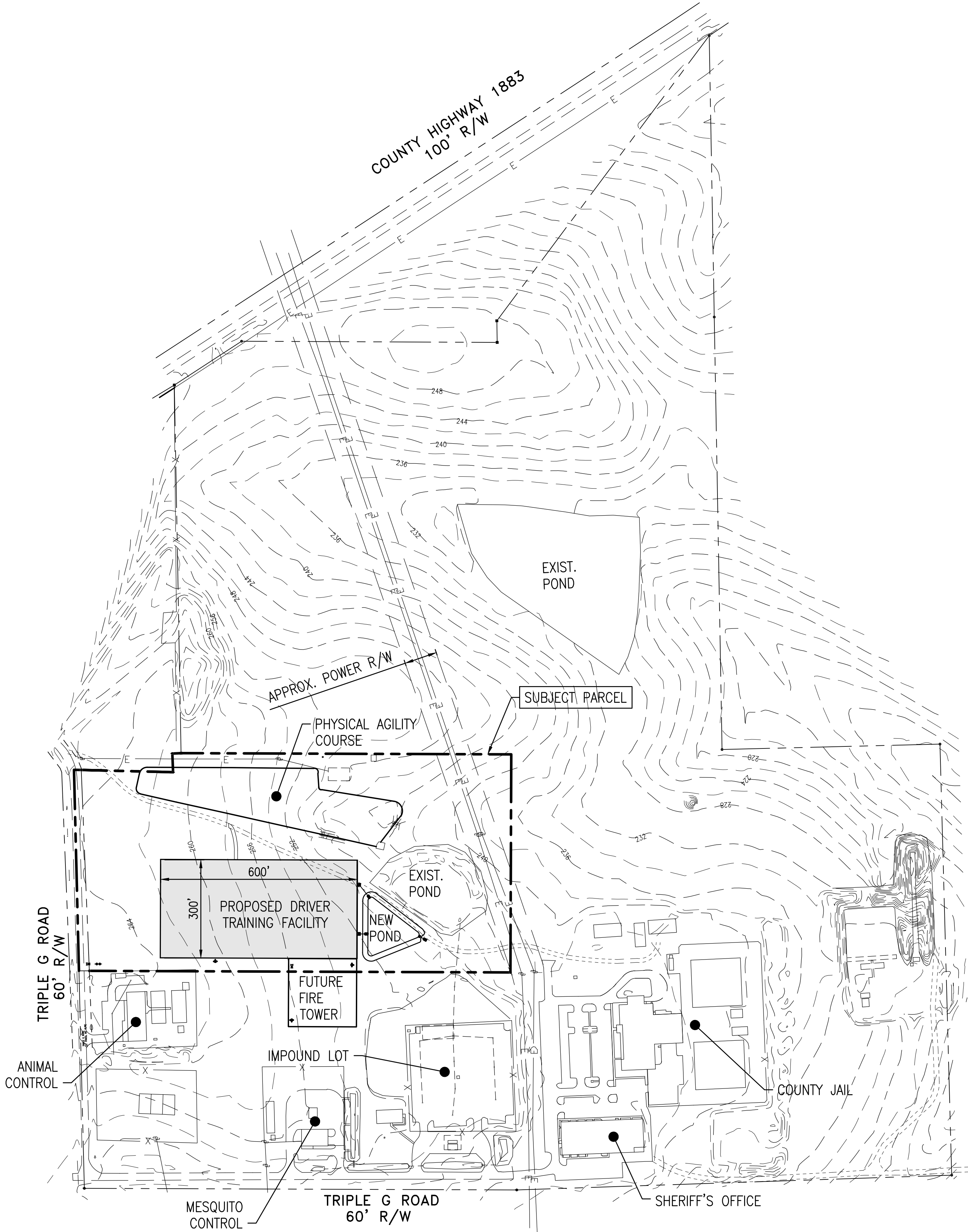
TOTAL PROJECT LIMITS: 5.21 ACRES (226,782 SF)

ZONING DISTRICT: PUBLIC FACILITIES

FUTURE LAND USE: PUBLIC FACILITIES

CURRENT LAND USE: COUNTY

FIRM PANEL NUMBER 12131C0190G, FLOOD ZONE "X"



OVERALL PLAN/EXISTING CONDITIONS

SCALE: 1" = 200' 0 100' 200' 400'



OVERALL / EXISTING CONDITIONS PLAN	PROJECT NO: 1903	DATE: MARCH 2020	PROJECT MGR: K GUTHRIE	SCALE: AS SHOWN	NO.	DATE	APPR.	REVISION / ACTION TAKEN	
								RELEASED FOR BID	
NOT RELEASED FOR CONSTRUCTION						4/9/20			

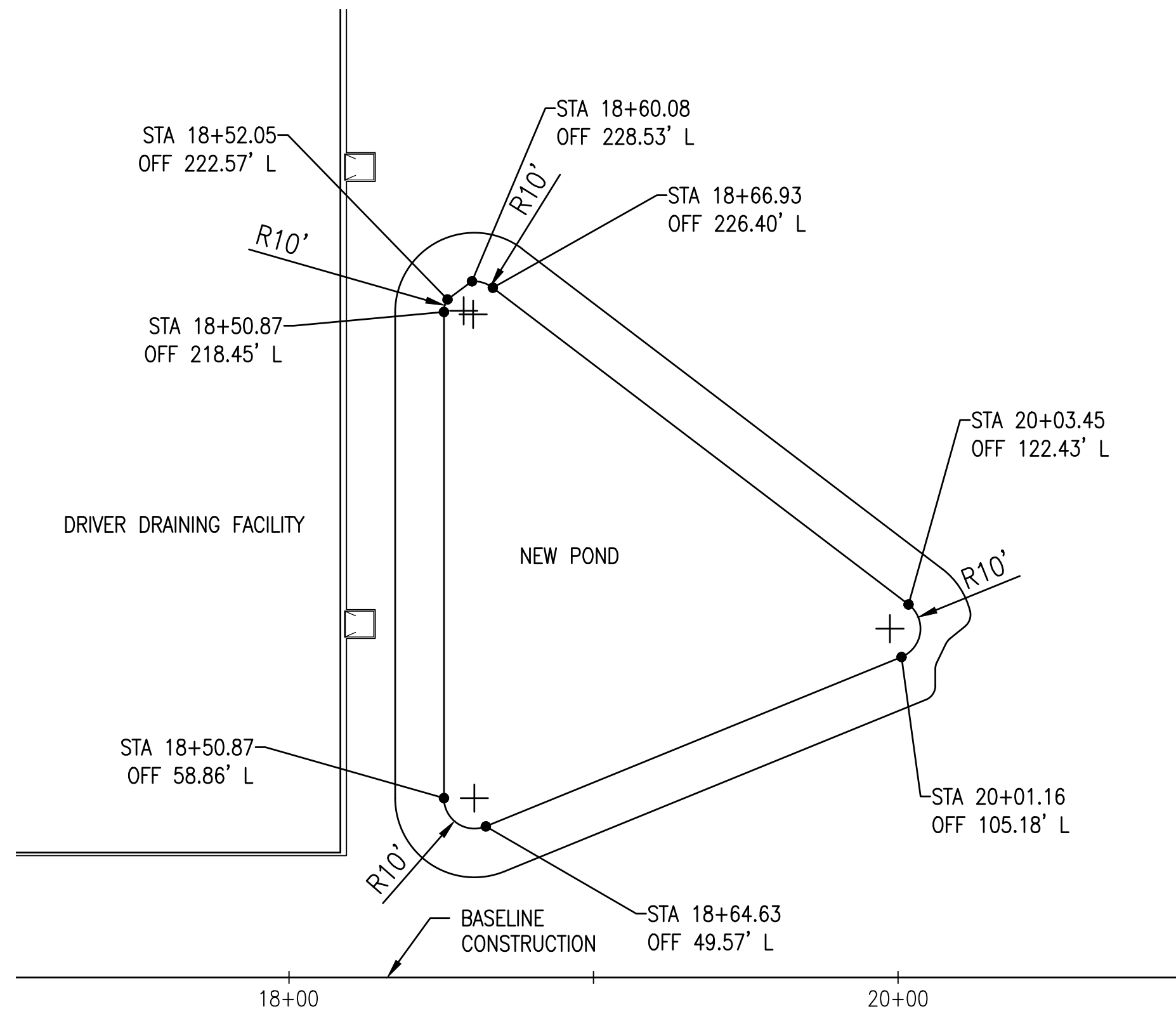
C-100

WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY



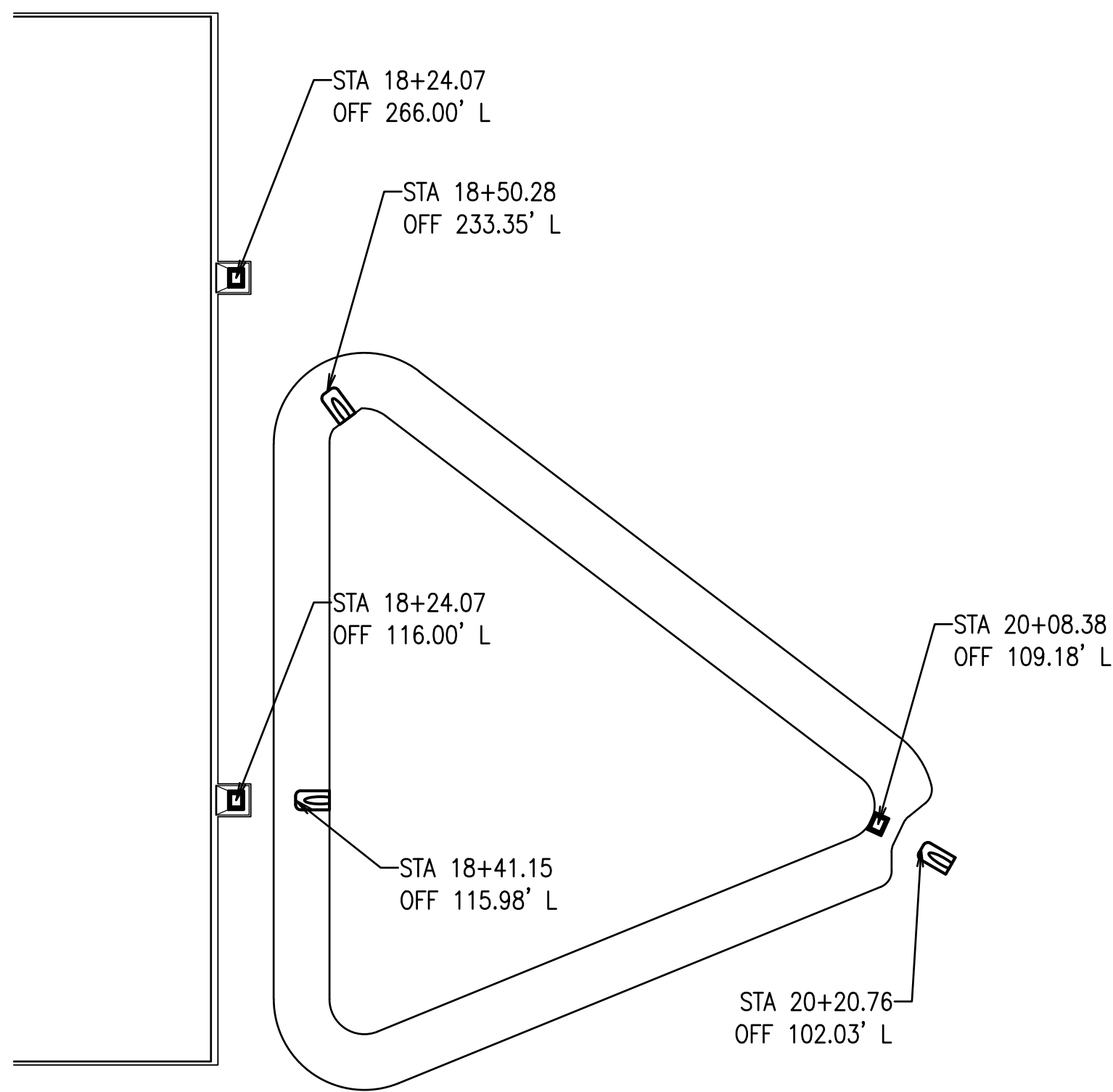
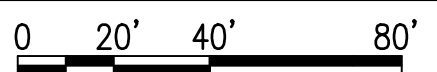
KATH P. GUTHRIE, P.E.
FL Reg. Engineer #47905

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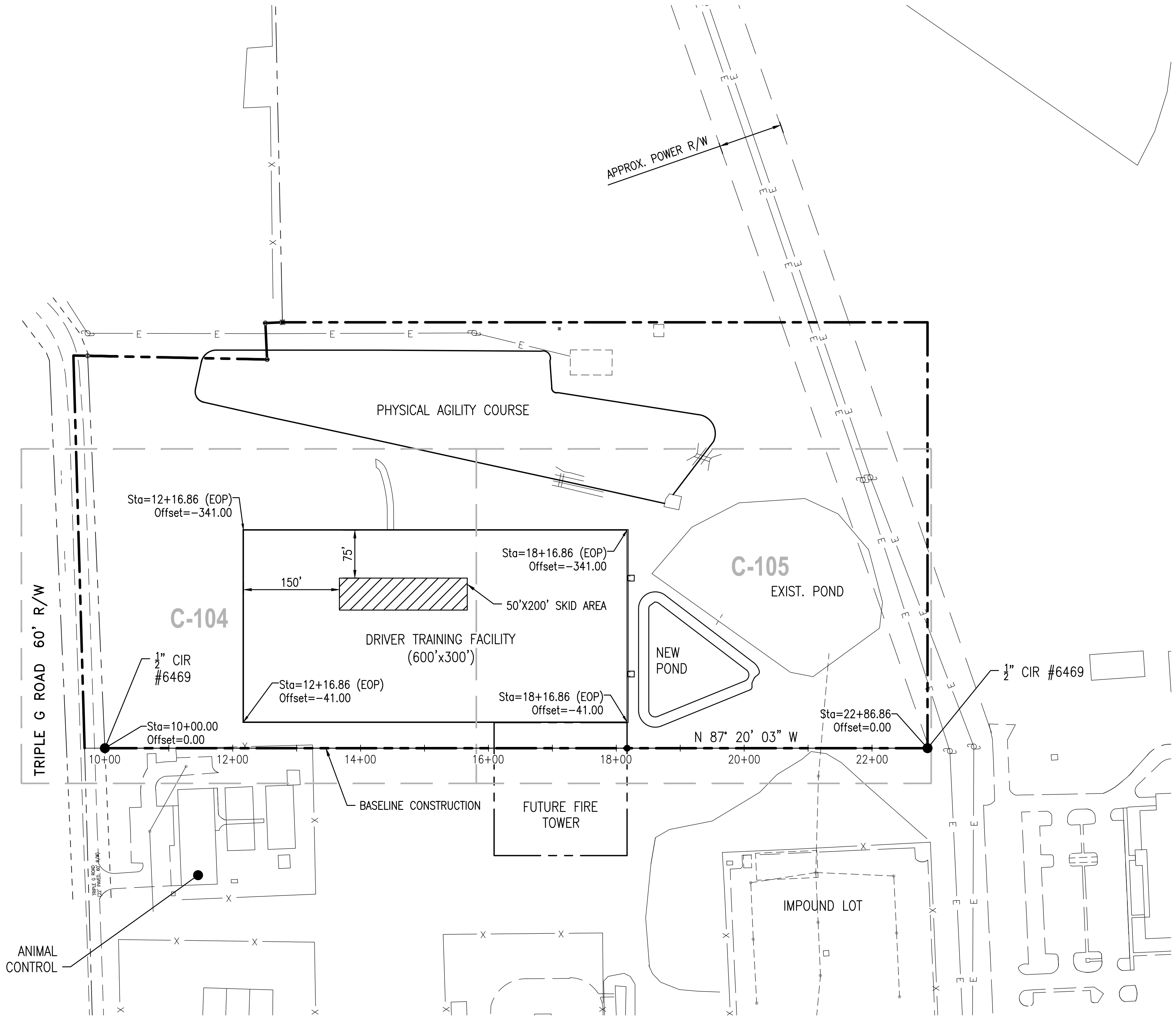
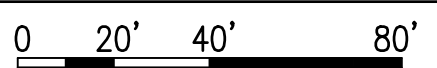
NEW POND LAYOUT

SCALE: 1" = 40'



STORM STRUCTURE LAYOUT

SCALE: 1" = 40'

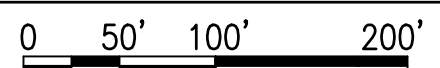


LEGEND

CIR CAPPED IRON ROD
EOP EDGE OF PAVEMENT

CONTROL / KEY PLAN

SCALE: 1" = 100'



KG DEVELOPMENT SERVICES, LLC
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850-332-6288

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FL Reg. Engineer #47905

WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY

NO. DATE APPR. REVISION / ACTION TAKEN
4/9/20 RELEASED FOR BID

PROJECT NO: 1903

DATE: MARCH 2020

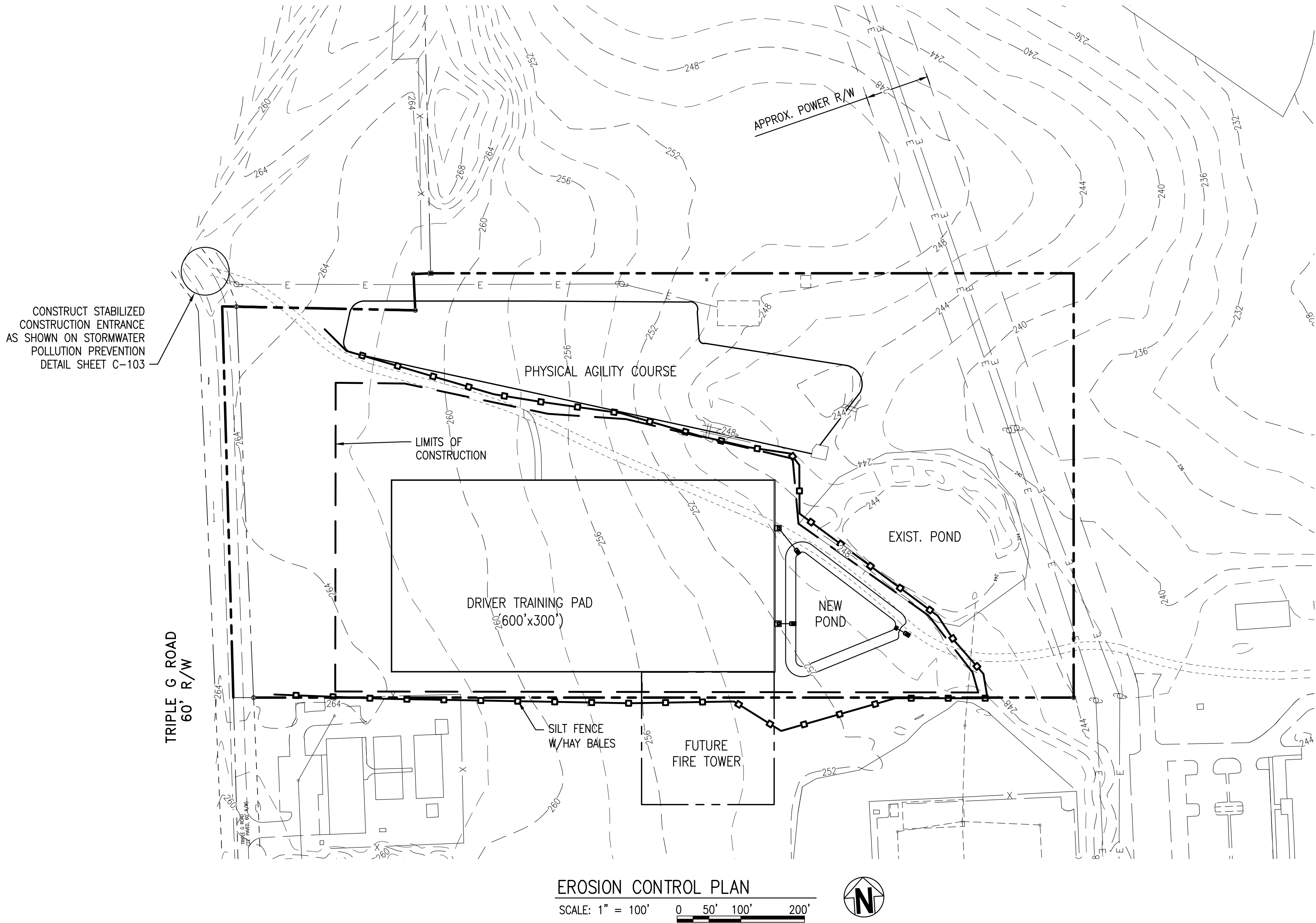
PROJECT MGR: K GUTHRIE

SCALE: AS SHOWN

CONTROL / KEY
PLAN

NOT RELEASED
FOR CONSTRUCTION

C-101



NOTES:

1. CONTRACTOR IS REQUIRED TO PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT. THE NOTICE OF INTENT (NOI) AND PROPER FEES SHALL BE SUBMITTED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. COPIES OF THIS NOTICE SHALL BE PROVIDED TO THE OWNER PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES.
2. NO SITE WORK ACTIVITIES SHALL TAKE PLACE WITHOUT COUNTY SITE REVIEW/APPROVAL OF PROPOSED EROSION CONTROL MEASURES AND ADVANCED NOTIFICATION OF THE REQUESTED INSPECTION IS REQUIRED.
3. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE SEDIMENT RUNOFF FROM THE SITE. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION, MAINTAIN EROSION CONTROL MEASURES, AND TAKE ALL NECESSARY MEASURES TO PREVENT THE TRANSPORT OF SEDIMENTS FROM THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
4. EROSION CONTROL MEASURES SHOWN HERE ARE CONSIDERED MINIMUM NECESSARY MEASURES, REFER TO STORMWATER POLLUTION PREVENTION PLAN DETAILS FOR FURTHER DETAIL PERTAINING TO EROSION CONTROL.
5. DISTURBED AND NON-DISTURBED AREAS SHALL BE WATERED REGULARLY TO PREVENT DUST.
6. CONTRACTOR SHALL UTILIZE A TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL) TO PREVENT THE TRANSPORT OF SEDIMENTS FROM THE SITE.
7. CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS FOR LAND CLEARING TO BEGINNING WORK.
8. CONTRACTOR SHALL ARRANGE/COORDINATE WITH ALL UTILITY COMPANIES TO IDENTIFY UTILITIES AND ARRANGE FOR SHUT-OFF/ DISCONNECT PRIOR TO DECOMMISSIONING.
9. CONTRACTOR SHALL CONSULT WITH OWNER FOR ANY AVAILABLE ENVIRONMENTAL REPORTS REGARDING PROPERTY THAT COULD AFFECT DEMOLITION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF TRAFFIC CONTROL ALONG R/W FOR ALL WORK CONDUCTED WITHIN COUNTY OR STATE R/W. TRAFFIC CONTROL SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. REFER TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE LATEST EDITION OF FDOT DESIGN STANDARDS FOR TRAFFIC CONTROL THROUGH WORK ZONES (SERIES 600) FOR FURTHER GUIDANCE.

LEGEND

- ■ — ■ — SILT FENCE W/HAY BALES
- — — — — LIMITS OF CONSTRUCTION
- 244 — — — — — EXISTING CONTOUR

KG DEVELOPMENT SERVICES, LLC

SITE-CIVIL ENGINEERS

KG DEVELOPMENT SERVICES, LLC

1550 CREIGHTON RD, SUITE 1

PENSACOLA, FL 32504

850-332-6288

KATH P. GUTHRIE, P.E.

Reg. Engineer #47905

WALTON COUNTY

SHERIFF DRIVER

TRAINING FACILITY

NO.	DATE	APPR.	REVISION / ACTION TAKEN
	4/9/20		RELEASED FOR BID

PROJECT NO: 1903	DATE: MARCH 2020	PROJECT MGR: K GUTHRIE	SCALE: AS SHOWN
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EROSION CONTROL PLAN

NOT RELEASED FOR CONSTRUCTION

C-102

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LEGEND

244

PROPOSED CONTOUR

244

EXISTING CONTOUR

260.62

PROPOSED SPOT ELEVATION

DRAINAGE FLOW

DETAIL SHEET

DETAIL CUT



IMPROVEMENT PLAN
SCALE: 1" = 30'



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KATHY P. GUTHRIE, P.E.
FL Reg. Engineer #47905

WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY

PROJECT NO: 1903
DATE: MARCH 2020
PROJECT MGR: K GUTHRIE
SCALE: AS SHOWN

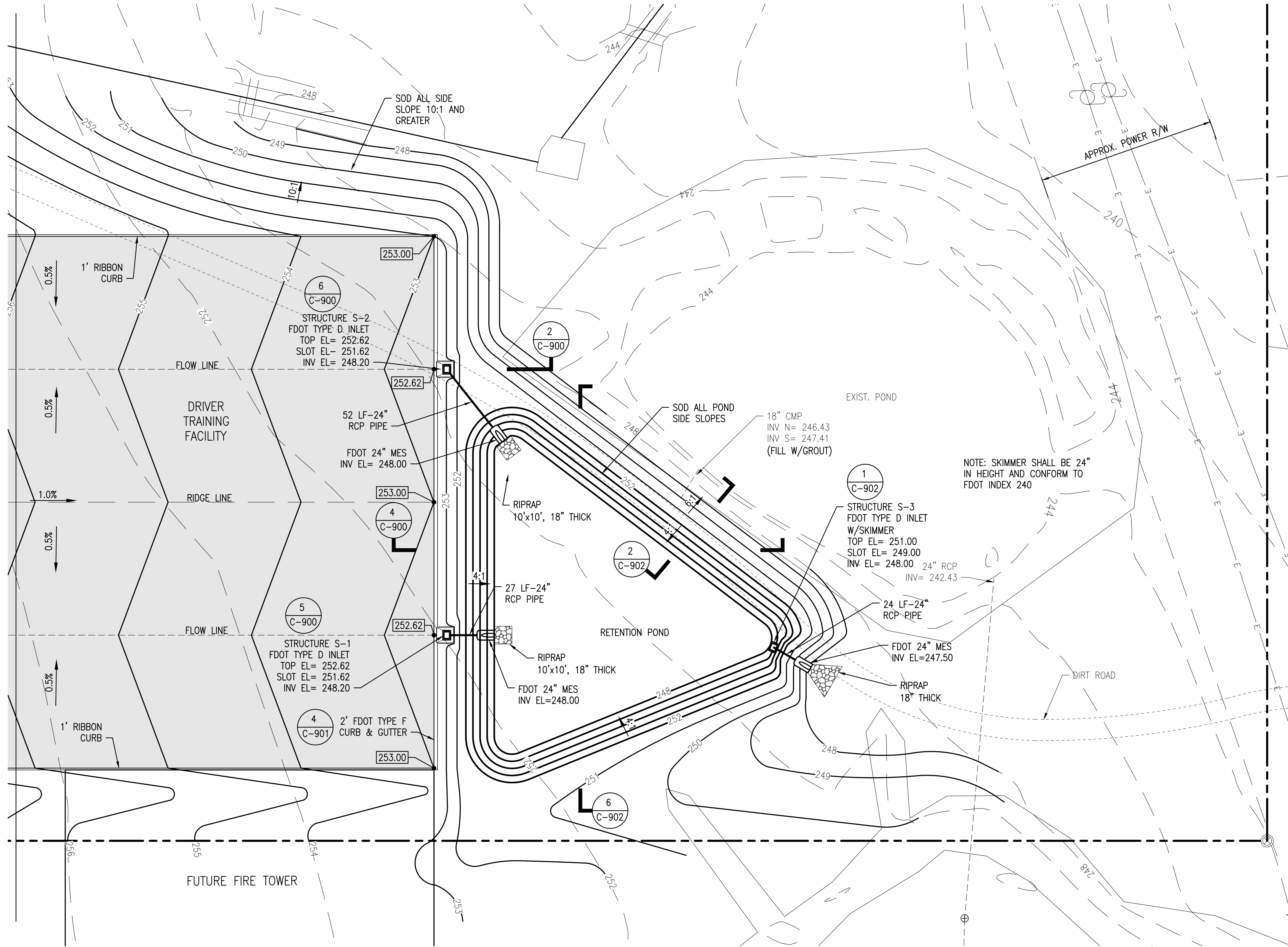
IMPROVEMENT PLAN
NOT RELEASED
FOR CONSTRUCTION

NO.	DATE	APPR.	REVISION / ACTION TAKEN RELEASED FOR BID
	4/9/20		

C-104

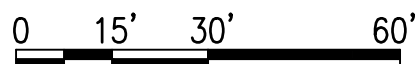
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MATCH LINE C-104



IMPROVEMENT PLAN

SCALE: 1" = 30'



LEGEND

- 244 PROPOSED CONTOUR
- 244 EXISTING CONTOUR
- 260.62 PROPOSED SPOT ELEVATION
- DRAINAGE FLOW
- DETAIL SHEET



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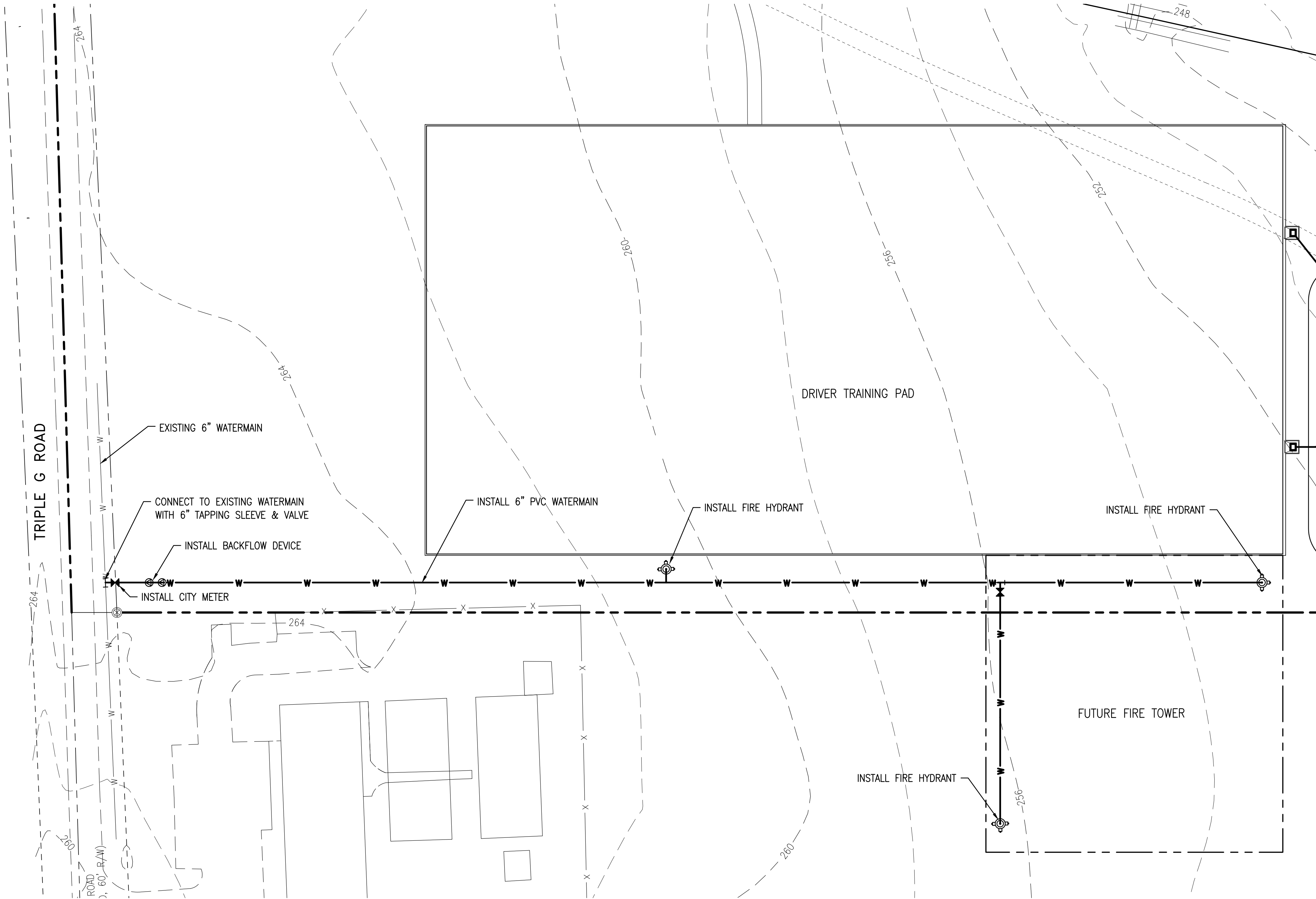
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IMPROVEMENT PLAN

NOT RELEASED
FOR CONSTRUCTION

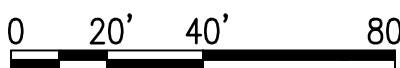
C-105

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UTILITY PLAN

SCALE: 1" = 40'



LEGEND

- W — EXISTING WATERMAIN
- W — PROPOSED WATERMAIN
- ⊗ BACKFLOW DEVICE
- ⊙ FIRE HYDRANT
- - - 244 - - - EXISTING CONTOUR

NOTES:

1. WATERMAIN EXTENSION SHALL CONFORM WITH CHAPTER 62-555 FLORIDA ADMINISTRATIVE CODE AND TO THE CITY OF DEFUNIAK SPRINGS TECHNICAL SPECIFICATIONS.
2. ALL PIPE, PIPE FITTINGS, VALVES, AND HYDRANTS SHALL CONFORM TO APPLICABLE AWWA STANDARDS. ALL PIPE SHALL BE COLOR CODE BLUE. WATERMAIN SHALL PVC DR18 MEETING AWWA C900 STANDARDS, PUSH-ON JOINTS WITH BELL INTEGRALLY CAST INTO PIPE INSTALLED WITH ELASTOMERIC GASKETS MEETING ASTM STANDARD F477.
3. PIPE FITTINGS SHALL BE DUCTILE IRON METING AWWA STANDARD C110 OR C153 WITH A PRESSURE RATING NOT LESS THAN THE ADJACENT PIPE. FITTING SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA STANDARD C104/A21.4
4. JOINT RESTRAINTS AND TRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, TAPPING SLEEVES, DEAD ENDS, AND HYDRANTS AS INDICATED IN DETAILS.
5. TAPPING SLEEVE SHALL BE DESIGNED WITH A WORKING PRESSURE OF 200 PSIG WITHOUT LEAKAGE. TAPPING SLEEVE SHALL BE JCM 412-PRF OR BAKER 428 OR APPROVED EQUAL.
6. ALL VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH THE CURRENT APPROPRIATE AWWA STANDARD AND SHALL BE NSF APPROVED FOR POTABLE WATER USAGE. RESILIENT SEATED GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509 OR C-515. THE VALVE WORKING PRESSURE SHALL BE A MINIMUM OF 250 PSIG WITH A TEST PRESSURE OF 500 PSIG.
7. TRACER WIRE SHALL BE 10-GAUGE COPPER WITH BLUE PVC INSULATION AND SILICONE FILLED WIRE NUT CONNECTIONS INSTALLED IN ACCORDANCE TO CITY OF DEFUNIAK SPRINGS TECHNICAL SPECIFICATIONS.
8. FIRE HYDRANTS SHALL COMPLY WITH AWWA STANDARD C-502 AND RATED FOR A WORKING PRESSURE OF 250 PSIG. AMERICAL DARLING MK #73
9. ALL PIPE SHALL BE PRESSURE AND LEAK TESTED IN ACCORDANCE WITH 62-555.330 FAC (AWWA C603 OR C605 & C600).
10. ALL MAINS AND FIRE HYDRANTS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH 62-555.340 FAC AND TEST RESULTS PROVIDED TO THE CITY OF DEFUNIAK SPRINGS AND THE ENGINEER FOR APPROVAL.
11. ALL WATERMAIN IMPROVEMENTS SHALL BE COORDINATED WITH THE CITY OF DEFUNIAK SPRINGS.



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FL Reg. Engineer #47905

WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY

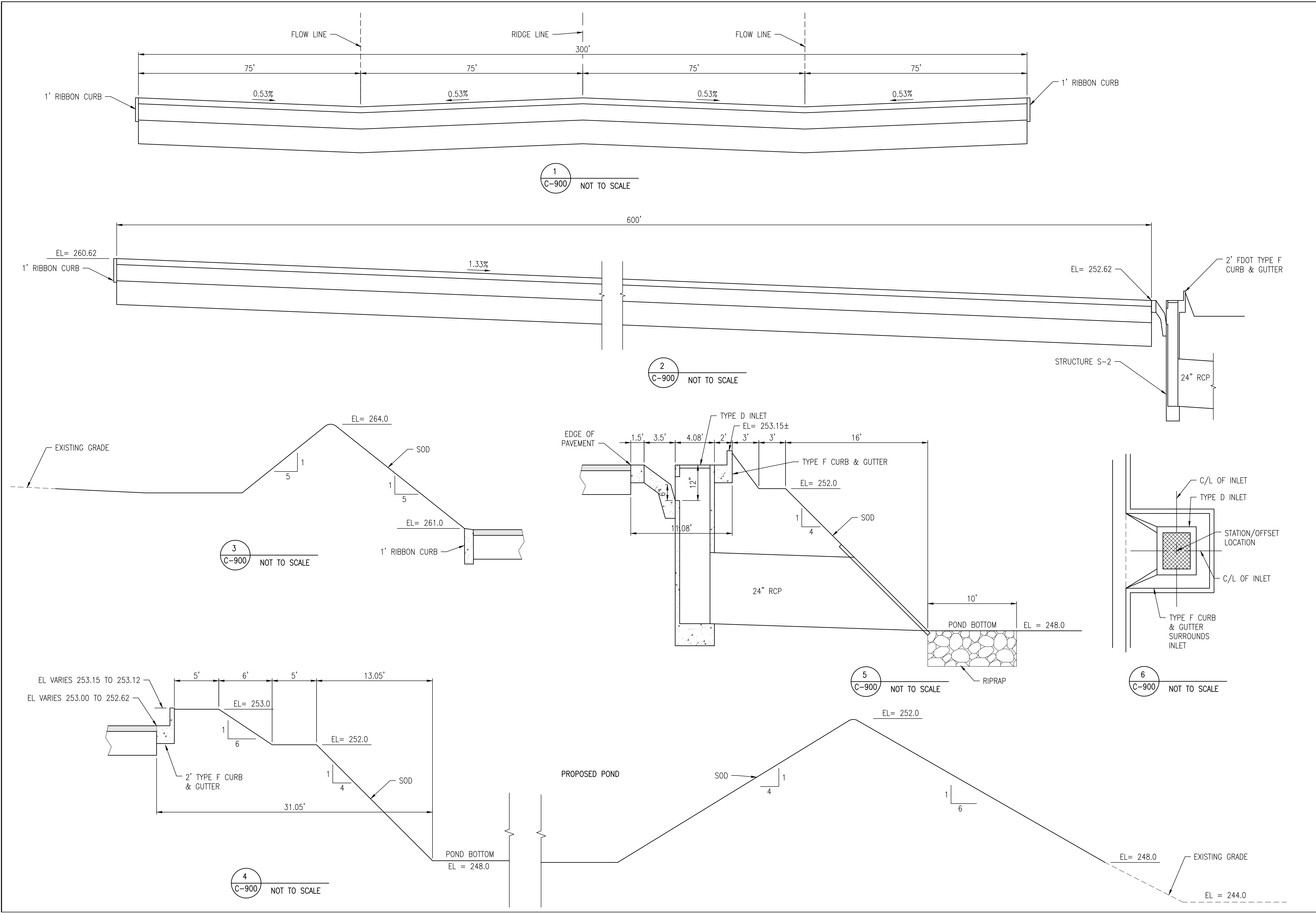
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	4/9/20			


PROJECT NO: 1903	DATE: MARCH 2020	PROJECT MGR: K GUTHRIE	SCALE: AS SHOWN
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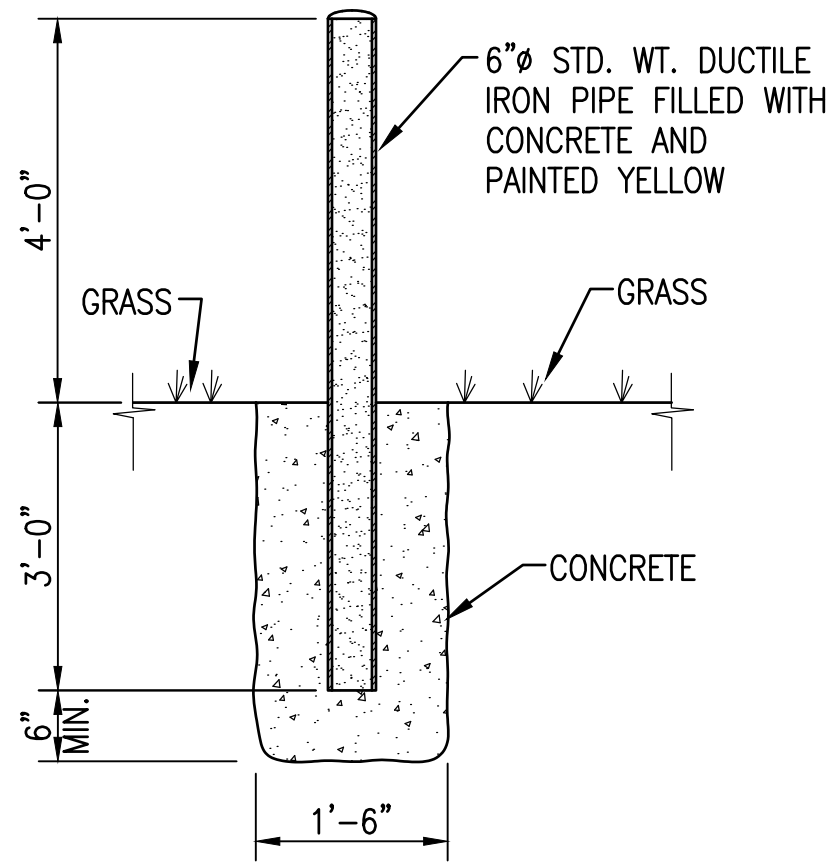
UTILITY PLAN

NOT RELEASED
FOR CONSTRUCTION

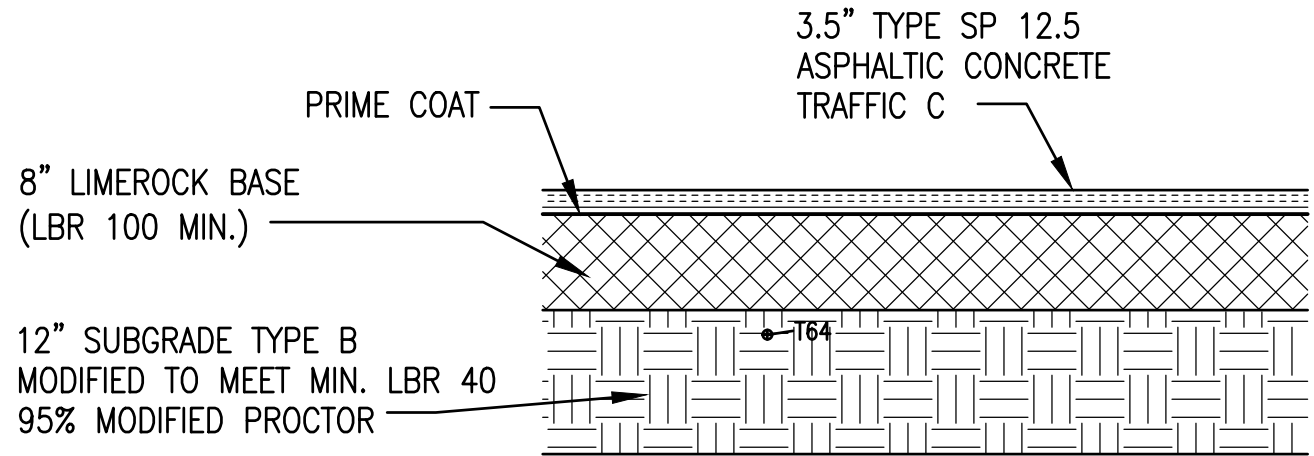
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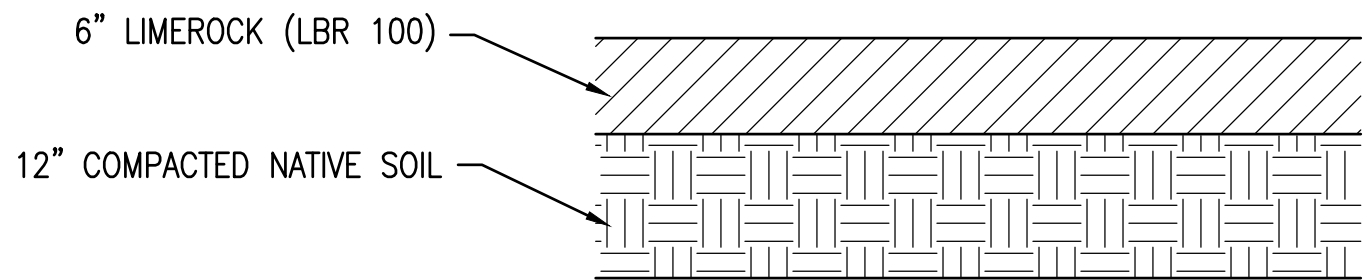
<div>C-900</div>		<div>SECTIONS</div>		PROJECT NO: 1903		NO.	DATE	APPR.	REVISION / ACTION TAKEN	<div>WALTON COUNTY SHERIFF DRIVER TRAINING FACILITY</div>	<div><div></div><div><div>SITE-CIVIL ENGINEERS</div><div>KG DEVELOPMENT SERVICES, LLC</div><div>1550 CREIGHTON RD, SUITE 1</div><div>PENSACOLA, FL 32504</div><div>850-332-6288</div></div></div>	<div><div>KATH P. GUTHRIE, P.E.</div><div>FL Reg. Engineer #17905</div></div>
				DATE: MARCH 2020			4/3/20		RELEASED FOR BID			
				PROJECT MGR: K GUTHRIE								
				SCALE: AS SHOWN								



BOLLARD DETAIL
NOT TO SCALE



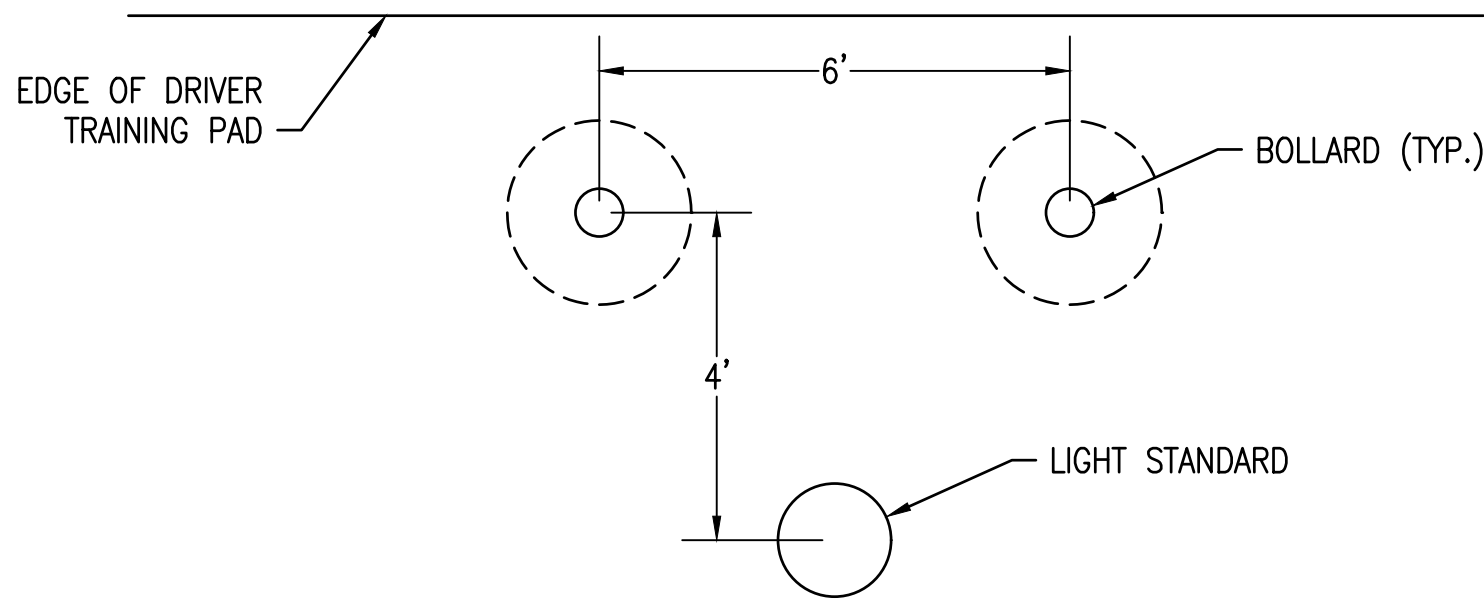
1
C-901
ASPHALT PAVEMENT DETAIL
NOT TO SCALE



2
C-901
GRAVEL ROAD DETAIL
NOT TO SCALE

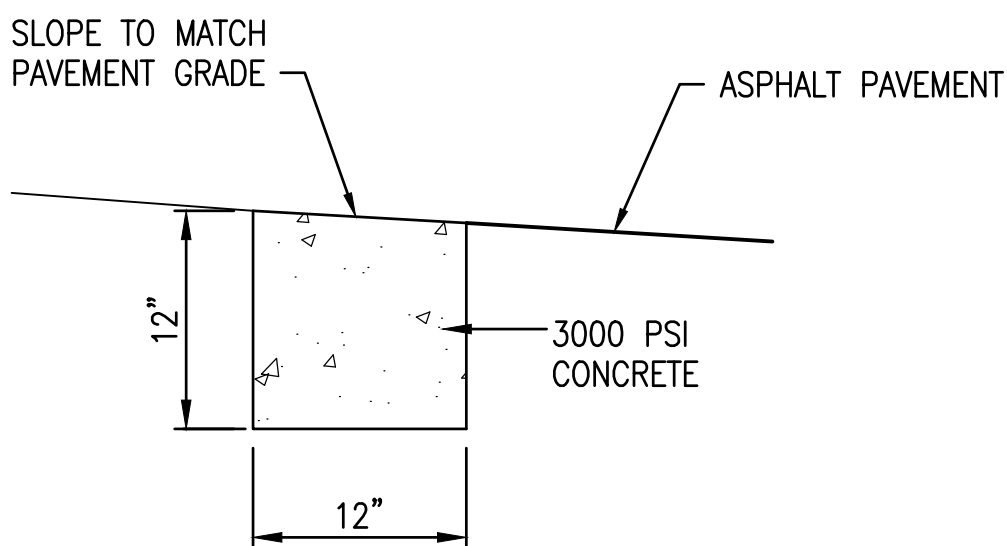
NOTES:

1. ASPHALT BASE & SUBGRADE SHALL CONFORM TO FDOT SPECIFICATIONS.
2. NATIVE SOIL MAY NOT MEET LBR 40 REQUIREMENTS. CONTRACTOR SHALL IMPORT SUFFICIENT MATERIAL TO MEET STRENGTH REQUIREMENTS.
3. CONTRACTOR SHALL SUBMIT DETAILS OF PROPOSED SOIL AMENDMENTS AND PROVIDE PRELIMINARY CONFIRMATION WITH LBR AND PROCTOR TEST RESULTS OF PROPOSED MIXTURE.

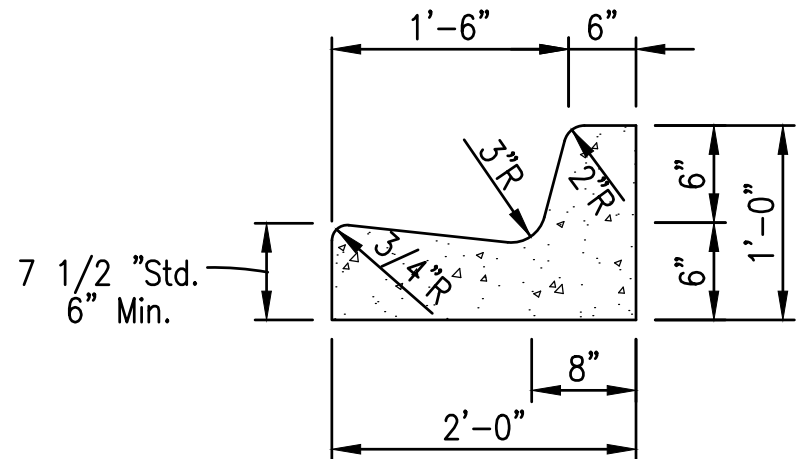


PLAN VIEW
NOT TO SCALE

INSTALL TWO BOLLARDS AT
EACH LIGHT STANDARD



3
C-901
RIBBON CURB DETAIL
NOT TO SCALE



4
C-901
TYPE F CURB & GUTTER DETAIL
NOT TO SCALE

SITE DETAILS		PROJECT NO: 1903	NO.	DATE	APPR.	REVISION / ACTION TAKEN
		DATE: MARCH 2020		4/3/20		RELEASED FOR BID
NOT RELEASED FOR CONSTRUCTION		PROJECT MGR: K GUTHRIE				
		SCALE: AS SHOWN				
C-901						

KG

DEVELOPMENT
SERVICES, LLC

SITE-CIVIL ENGINEERS

KG DEVELOPMENT SERVICES, LLC

1550 CREIGHTON RD, SUITE 1

PENSACOLA, FL 32504

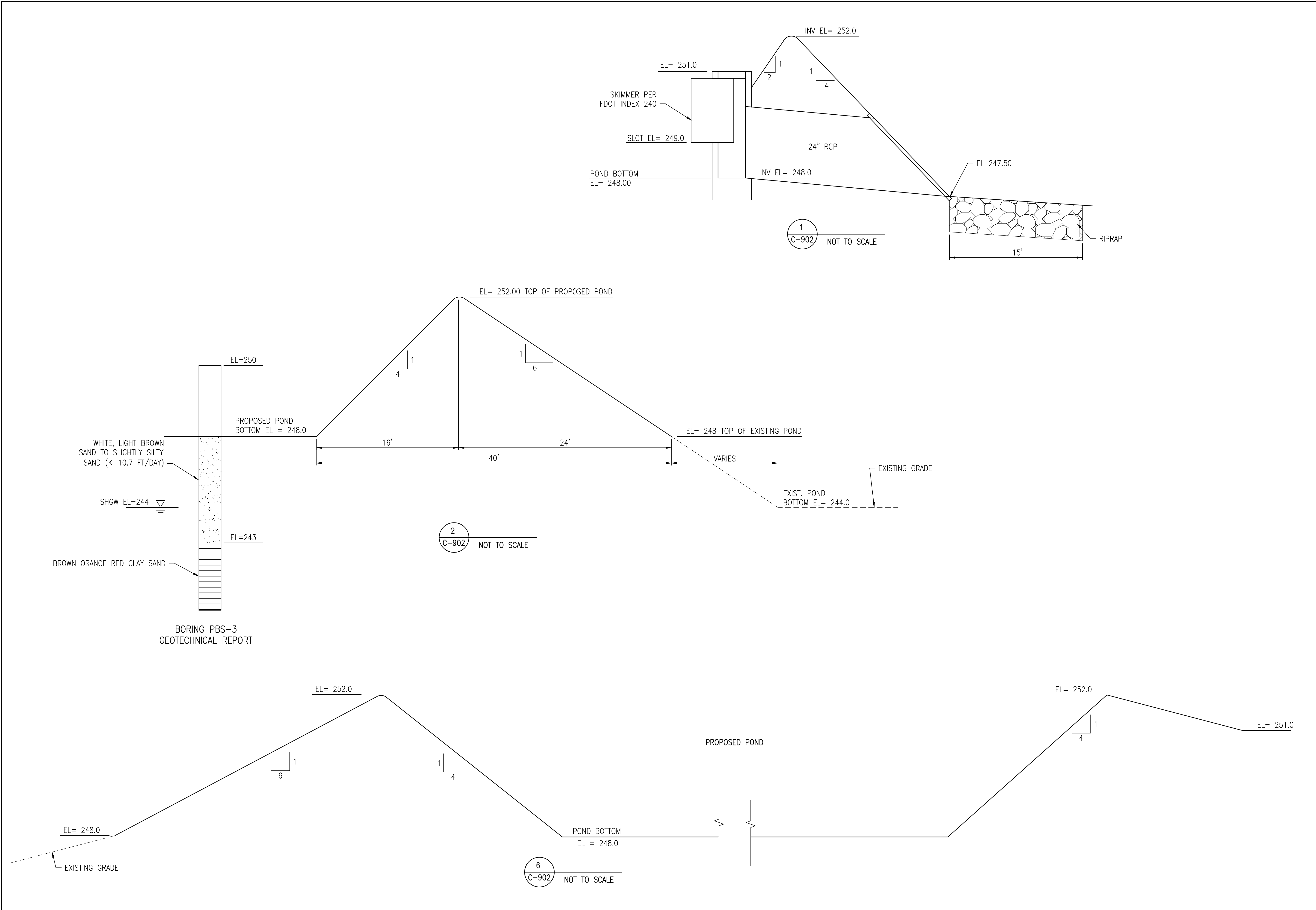
850-332-6288


KETH P. GUTHRIE, P.E.

FL Reg. Engineer #47905

WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY

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SITE-CIVIL ENGINEERS
KG DEVELOPMENT SERVICES, LLC
1550 CREIGHTON RD, SUITE 1
PENSACOLA, FL 32504
850-332-6288

KATH P. GUTHRIE, P.E.
FL Reg. Engineer #17905

**WALTON COUNTY
SHERIFF DRIVER
TRAINING FACILITY**

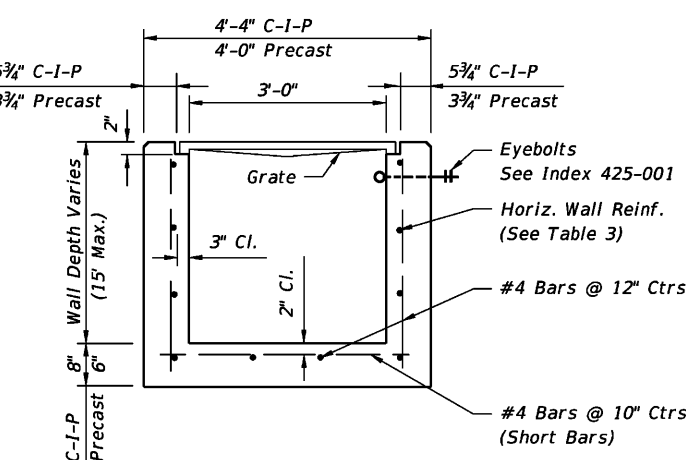
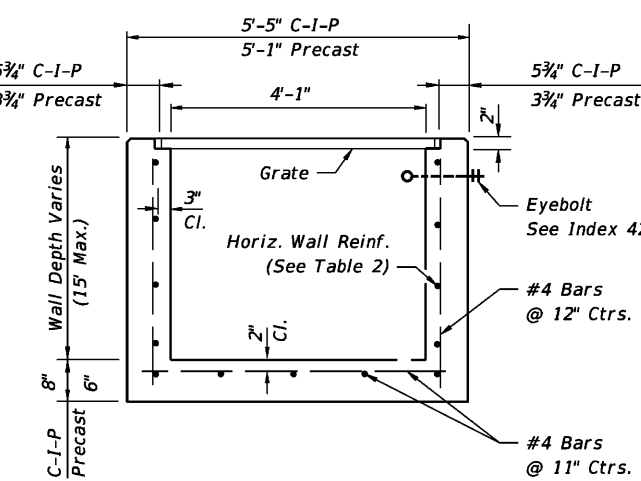
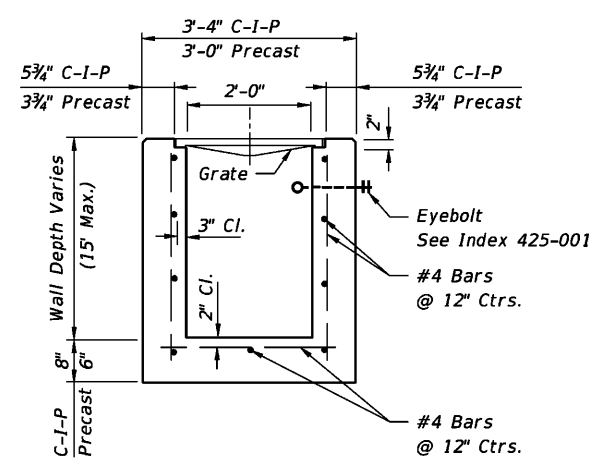
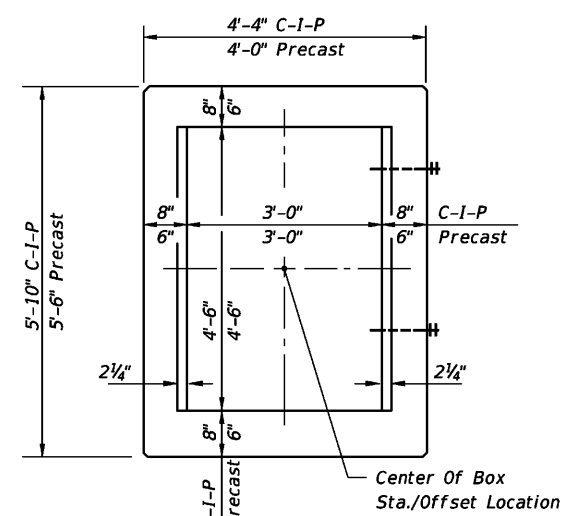
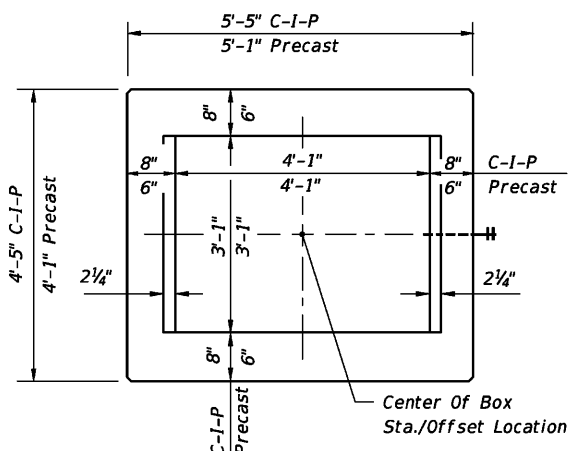
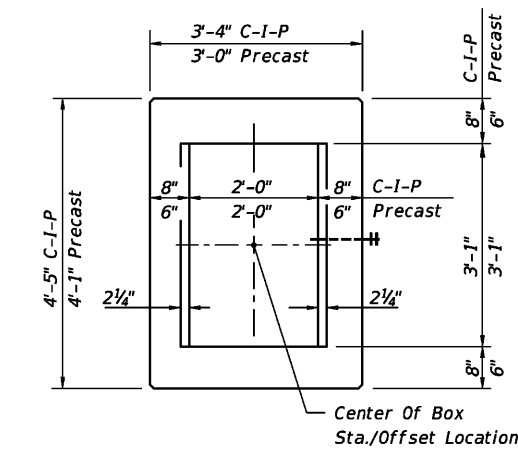
NO.	DATE	APPR.	REVISION / ACTION TAKEN RELEASED FOR BID
	4/3/20		

PROJECT NO: 1903	DATE: MARCH 2020	PROJECT MGR: K GUTHRIE	SCALE: AS SHOWN
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POND DETAILS

**NOT RELEASED
FOR CONSTRUCTION**

C-902



**HORIZONTAL WALL REINFORCING
SCHEDULES (TABLE 1)**

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BAR#	W/W
0'-15'	A12	0.20	12"	8"

**HORIZONTAL WALL REINFORCING
SCHEDULES (TABLE 2)**

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BARS	WWF
0'-6"	A12	0.20	12"	8"
6'-10"	A6	0.20	6"	5"
10'-13"	A4	0.20	4"	3"
10'-15"	B5.5	0.24	5½"	5"

**HORIZONTAL WALL REINFORCING
SCHEDULES (TABLE 3)**

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BARS	WWF
0'-5"	A12	0.20	12"	8"
0'-7.5"	A6	0.20	6"	5"
7.5'-10'	B5.5	0.24	5½"	5"
10'-15'	C6.5	0.37	6½"	6"

TYPE C

Recommended Maximum Pipe Size:

2'-0" Wall - 18" Pipe
3'-1" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)

TYPE D

Recommended Maximum Pipe Size

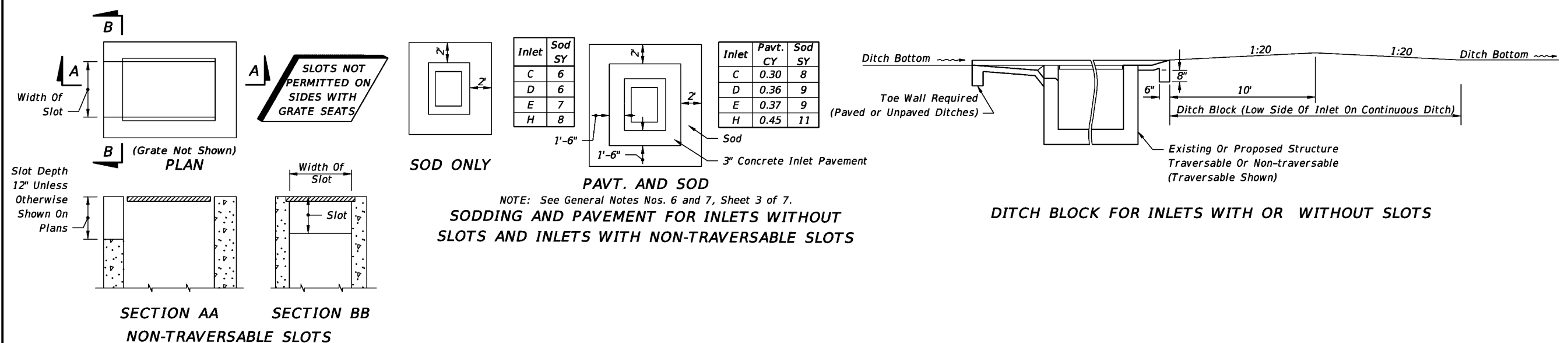
3'-1" Wall - 24" Pipe

TYPE E

Recommended Maximum Pipe Size

3'-0" Wall - 24" Pipe

LAST REVISION 11/01/17	DESCRIPTION: <div style="display: flex; align-items: center;"> <div> FY 2019-20 STANDARD PLANS </div> </div>	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX 425-052	SHEET 1 of 7
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DITCH BLOCK FOR INLETS WITH OR WITHOUT SLOTS


**SODDING AND PAVEMENT FOR INLETS WITHOUT
SLOTS AND INLETS WITH NON-TRAVERSABLE SLOTS**

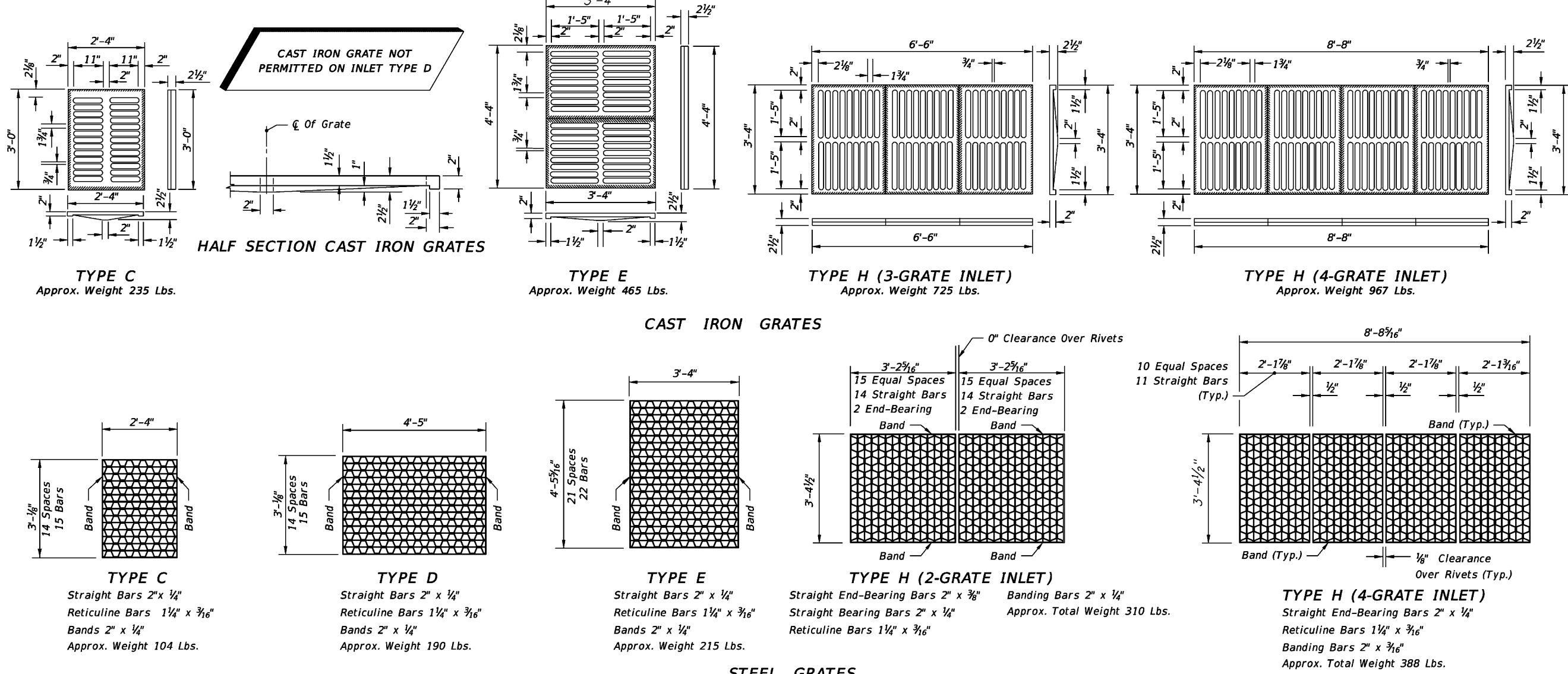
PAVEMENT AND SODDING QUANTITIES FOR TRAVERSABLE SLOTS

Inlet	Pavement				Sod	
	Single Slot		Double Slot		Single Slot	Double Slot
	SY	CY	SY	CY	SY	SY
C	4.87	0.83	6.16	1.05	12	16
D	5.99	1.01	7.70	1.30	14	19
E	5.88	0.99	7.37	1.24	14	18

NOTE: For plan view and additional details see Sheet 4 of 7.
For payment see General Notes Nos. 6 and 7, Sheet 3 of 7

TRAVERSABLE SLOTS FOR EXISTING INLETS


LAST REVISION 11/01/17	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX 425-052	SHEET 5 of 7
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NOTE: Steel Grates Are Required On Inlets With Traversable Slots And On Inlets where Bicycle Traffic Is Anticipated.

GENERAL NOTES

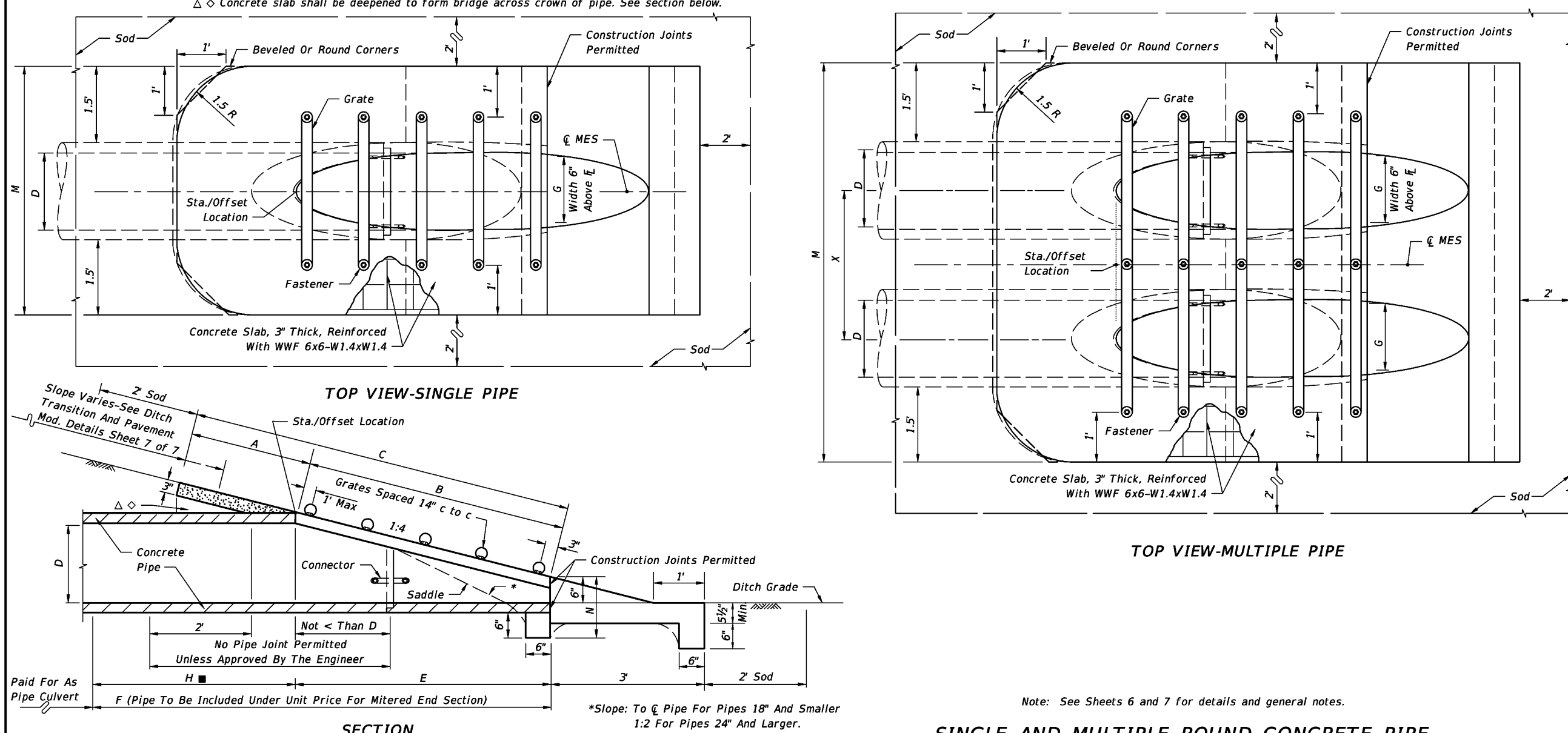
- | | | |
|---|--|--|
| <p>1. These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet.</p> <p>2. 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 pedestrians 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.</p> <p>3. 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 without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all inlets with</p> | <p>non-traversable slots. Subject to the selection described above, when Alternate G 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.</p> <p>4. Recommended maximum pipe sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.</p> <p>5. All exposed edges and corners shall be $\frac{3}{8}$" chamfer or tooled to $\frac{1}{2}$" radius.</p> <p>6. 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.</p> <p>7. Traversable slots constructed in existing inlets shall be paid for as inlets partial. For construction and method of payment see TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS.</p> | <p>8. Sodding to be used on all inlets not located in paved areas and paid for on contract unit price for Performance Turf, SY.</p> <p>9. For supplementary details see Index 425-001.</p> <p>10. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for $1\frac{1}{2}$" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.</p> |
|---|--|--|

LAST REVISION 11/01/17	DESCRIPTION: 	 FY 2019-20 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX 425-052	SHEET 3 of 7
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DIMENSIONS & QUANTITIES																								
M												GRATE SIZES				CONCRETE (CY)				SODDING (SY)				
D	X	A	B	C	E	F	G	H	Single Pipe	Double Pipe	Triple Pipe	Quad Pipe	N	Standard Weight Pipe	Extra Strong Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad Pipe	
12"	2'-7"	2.27	4.09	6.36	4.03	8	1	1.23	4.0	4.63	7.21	9.79	12.37	1.19			0.76	1.16	1.54	1.94	8	10	11	12
15"	2'-10"	2.56	5.12	7.48	5.03	7	1	1.41	4.0	4.82	7.40	10.38	12.81	1.21			0.80	1.28	1.68	2.17	9	11	12	13
24"	3'-5"	2.53	7.18	9.41	7.03	6.1	1	1.73	4.0	5.50	8.92	12.33	15.75	1.25			1.02	1.58	2.15	2.75	10	12	13	15
30"	4'-3"	2.70	9.25	11.99	9.03	13	2.00	4.0	6.08	10.33	14.58	18.83	1.29	2½"	3"	1.23	1.98	2.74	3.50	12	14	15	17	
36"	5'-1"	2.87	11.31	14.18	11.03	5	2.24	4.0	6.67	11.73	16.83	21.82	1.33	2"	3"	1.40	2.38	3.23	4.24	13	15	17	20	
42"	6'-0"	3.05	13.37	16.42	13.03	17	2.45	4.0	7.25	12.92	19.25	25.25	1.38	2"	3½"	1.60	2.83	4.04	5.26	14	17	19	22	
48"	6'-9"	3.22	15.43	18.65	15.03	19	2.65	4.0	7.83	14.58	21.33	28.08	1.42	2"	3½"	1.81	3.26	4.70	6.14	15	18	21	24	
54"	7'-8"	3.38	17.49	20.88	17.03	21	2.85	4.0	8.42	16.08	23.33	31.42	1.46	3"	4"	2.03	3.78	5.24	7.28	17	20	23	27	
60"	8'-6"	3.55	19.55	23.11	19.03	23	3.05	4.0	9.00	17.58	26.00	34.40	1.50	3"	4"	2.25	4.20	5.80	8.30	19	22	25	29	

△ 6.42' △ 6.25' Dimensions permitted to allow use of 8' standard pipe lengths.
 ◇ 10.40' ◇ 10.10' Dimensions permitted to allow use of 12' standard pipe lengths.
 △ ◇ Concrete slab shall be deepened to form bridge across crown of pipe. See section below

■ Values shown for estimating pipe quantities and are for information only



SINGLE AND MULTIPLE ROUND CONCRETE PIPE

LAST REVISION 11/01/17	DESCRIPTION:	 FY 2019-20 STANDARD PLANS	SIDE DRAIN MITERED END SECTION INDEX 430-022	SHEET 1 of 1
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TRENCH DETAIL

SCALE: NTS
DATE: FEB. 09, 2009
PROJECT:
REVISION:

W-1

GENERAL NOTES - POTABLE WATER CONSTRUCTION

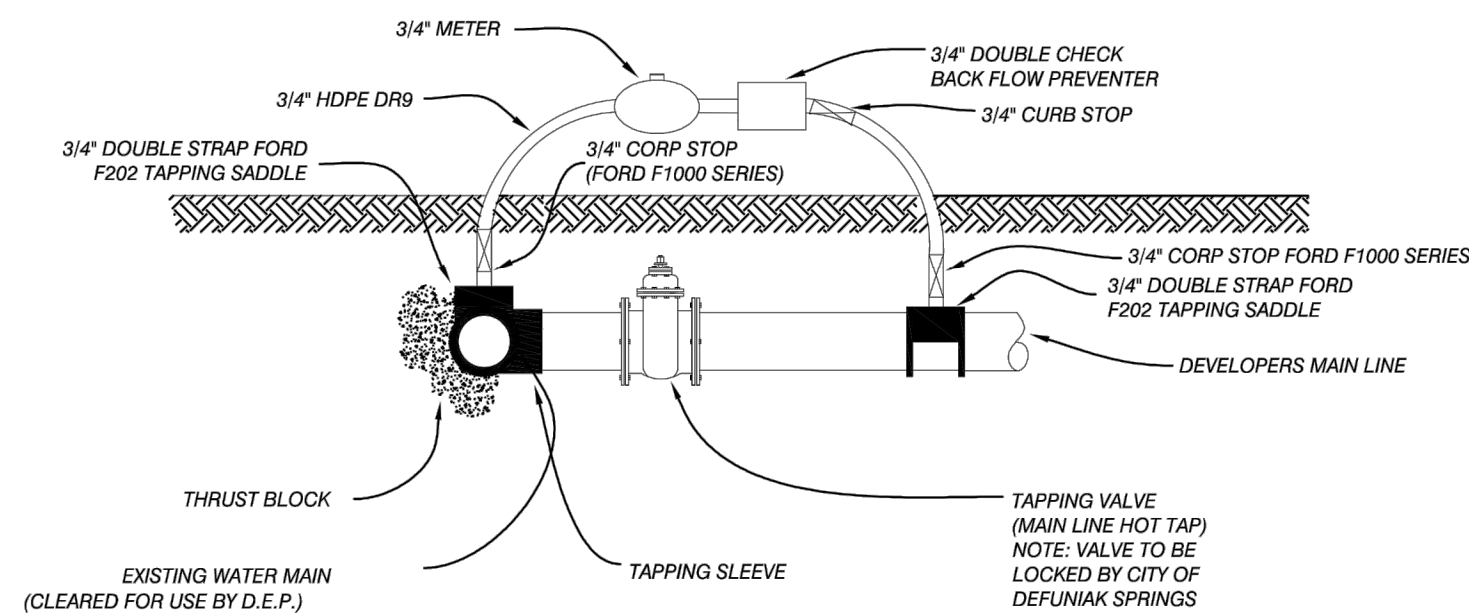
1. CONTRACTOR SHALL COORDINATE INSTALLATION OF POTABLE WATER MAINS WITH ALL OTHER UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
2. HYDROSTATIC TESTS, LEAKAGE TESTS, DISINFECTION, AND BACTERIOLOGICAL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE WRITTEN CONSTRUCTION SPECIFICATIONS OF THE CITY OF DEFAUNK SPRINGS AND ALL APPLICABLE DEEP AND ANWIA REQUIREMENTS.
3. NO POTABLE WATER MAIN CONSTRUCTION SHALL COMMENCE UNTIL SHOP DRAWINGS HAVE BEEN APPROVED AND A PRECONSTRUCTION CONFERENCE HELD WITH CITY OF DEFAUNK SPRINGS STAFF.
4. PROVIDE LOCKS, IN ACCORDANCE WITH THE WRITTEN CONSTRUCTION SPECIFICATIONS OF CITY OF DEFAUNK SPRINGS, ON ALL CURB STOPS.
5. CONTRACTOR SHALL NOTIFY CITY OF DEFAUNK SPRINGS 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. DEFAUNK SPRINGS REPRESENTATIVES MUST WITNESS ALL TIES OF AND TESTS OF NEW LINES.
6. SERVICES INSTALLED UNDER ASPHALT TO BE INSTALLED IN 2" SCH. 40 PVC CASING EXTENDING 4'0" BEYOND BACK OF CURB.
7. CONTRACTOR SHALL INSTALL NO. 10 INSULATED COPPER LOCATOR WIRE 18" DIRECTLY ABOVE TOP OF ALL PVC PIPE ABOVE SERVICE LINES, AND LOOP TO TOP OF CURB OR SIDE WALK. LOCATOR WIRE SHALL BE CONNECTED FOR A CONTINUOUS CIRCUIT CONNECTION, DO NOT WRAP AROUND PIPING.
8. IT IS REQUIRED THAT ALL NEW AND RELOCATED WATER SERVICES AND PLUMBING SHALL BE IN CONFORMANCE WITH STATE AND FEDERAL REGULATIONS PERTAINING TO THE CONTROL OF LEAD AND COPPER.
9. THE LOCATION OF ALL WATER SERVICE STUBS ARE TO BE MARKED BY THE LETTER "W" Scribed a MINIMUM OF 2" HIGH AND 1" DEEP IN CURB. IF NO CURBING IS INSTALLED INCREASING WITH A 2" LETTER "W" SHALL BE ATTACHED TO THE STREET PAVEMENT.
10. A 4" WATER BALL MAN, AS MANUFACTURED BY 3M PART NO. 1403, SHALL BE PLACED AT ALL INLINE VALVES UNDER ALGEMA AND AT ALL METER BOX LOCATIONS.
11. ALL MECHANICAL JOINTS SHALL USE WATER-LOG RESTRANT TYPE RETAINING GLANDS.
12. MINIMUM SEPARATION BETWEEN WATER OR SEWER AND ELECTRICAL CONDUITS OR ELECTRICAL LINES SHALL BE 27" MINIMUM HORIZONTAL & 18" VERTICAL WITH ELECTRICAL BENDS BELOW THE WATER AND SEWER LINES. IN CASES WHERE 18" VERTICAL SEPARATION CAN NOT BE MET, 90° OF OVERLAP SHALL BE REQUIRED.
13. ALL MECHANICAL JOINT FITTINGS ON PRESSURE PIPE SHALL HAVE BOTH "MEGALUG" TYPE JOINT RESTRAINING GLANDS AND THRUST BLOCKS.
14. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MEETING THE REQUIREMENTS OF THE CITY OF DEFAUNK SPRINGS TECHNICAL GUIDE AND SPECIFICATIONS LATEST EDITION.
15. ANY LOCATION WHERE PRESSURE PIPES CURVATURE EXCEEDS MANUFACTURERS SPECIFICATIONS; APPROPRIATE MECHANICAL JOINT FITTINGS SHALL BE USED.
16. 2" AND 2-1/2" VALVES SHALL BE BALL TYPE. 2-1/2" GATE VALVES SHALL NOT BE USED.
17. ALL TIE IN TO EXISTING PRESSURIZED PIPES SHALL BE BY TAPPING SLEEVE (6" INCH TAP AND LARGER), (OD TAPPING SADDLE, 2" INCH TAP AND SMALLER), AND VALVE



GENERAL NOTES-POTABLE WATER CONSTRUCTION

SCALE: NTS
DATE: FEB. 09, 2009
PROJECT:
REVISION:

W-13



- NOTES:
1. CONTRACTOR SHALL MAKE APPLICATION TO CITY OF DEFUNKIAK SPRINGS FOR HOT-TAP AND 3/4" JUMPER. WATER USAGE WILL BE BILLED AT THE EXISTING RATES.
 2. CONTRACTOR SHALL FURNISH AND INSTALL THE 3/4" JUMPER PURSUANT TO THE CITY OF DEFUNKIAK SPRINGS DETAIL, AT THE SAME TIME THE HOT-TAP CONNECTION IS MADE.
 3. HOT-TAP AND JUMPER SHALL BE SCHEDULED THROUGH THE CITY OF DEFUNKIAK SPRINGS ENGINEERING INSPECTOR.
 4. ALL FILLINGS AND FLUSHINGS SHALL BE VIA THE 3/4" JUMPER ASSEMBLY.
 5. THE TAPPING VALVE CONNECTING THE NEWLY CONSTRUCTED LINE TO CITY OF DEFUNKIAK SPRINGS SYSTEM SHALL REMAIN CLOSED AT ALL TIMES. THIS VALVE SHALL ONLY BE OPENED BY A CITY OF DEFUNKIAK SPRINGS REPRESENTATIVE AND ONLY AFTER CLEARANCE TO PLACE THE SYSTEM INTO SERVICE HAS BEEN RECEIVED FROM F.D.E.P.
- IN ORDER TO RECEIVE CLEARANCE FROM F.D.E.P. THE FOLLOWING PROCEDURE MUST BE COMPLETED: CONTRACTOR MUST PERFORM PRESSURE TEST, BACTERIOLOGICAL TEST AND ARRANGE FOR A FINAL INSPECTION. PRESSURE TEST MUST BE WITNESSED BY A DEFUNKIAK SPRINGS INSPECTOR. UPON PASSING THE PRESSURE TEST AND FINAL INSPECTION, THE ENGINEER FOR THE PROJECT MUST SUBMIT THE BACTERIOLOGICAL TEST RESULTS, AS-BUILT DRAWINGS AND CERTIFICATION OF COMPLETION TO THE CITY OF DEFUNKIAK SPRINGS. DEFUNKIAK SPRINGS WILL THEN SIGN THE COMPLETION FORMS AND FORWARD THEM TO F.D.E.P. WITH COPIES OF THE BACTERIOLOGICAL TEST RESULTS. UPON THEIR REVIEW AND APPROVAL, F.D.E.P. WILL SEND CITY OF DEFUNKIAK SPRINGS A LETTER GRANTING PERMISSION FOR THE SYSTEM TO BE PLACED INTO OPERATION.
6. CONTRACTOR MAY DISCONNECT THE CURB STOP FROM THE DOUBLE CHECK BACKFLOW PREVENTER AND UTILIZE THE CONNECTION TO CONDUCT PRESSURE TEST.



BYPASS JUMPER DETAIL FOR WATER SERVICE DURING CONSTRUCTION

SCALE: NTS
DATE: FEB. 09, 2009
PROJECT:
REVISION:

W-17

C-906	UTILITY DETAILS	PROJECT NO: 1903	NO.	DATE	APPR.	REVISION / ACTION TAKEN
		DATE: MARCH 2020		4/3/20		RELEASED FOR BID
	NOT RELEASED FOR CONSTRUCTION	PROJECT MGR: K GUTHRIE				
		SCALE: AS SHOWN				

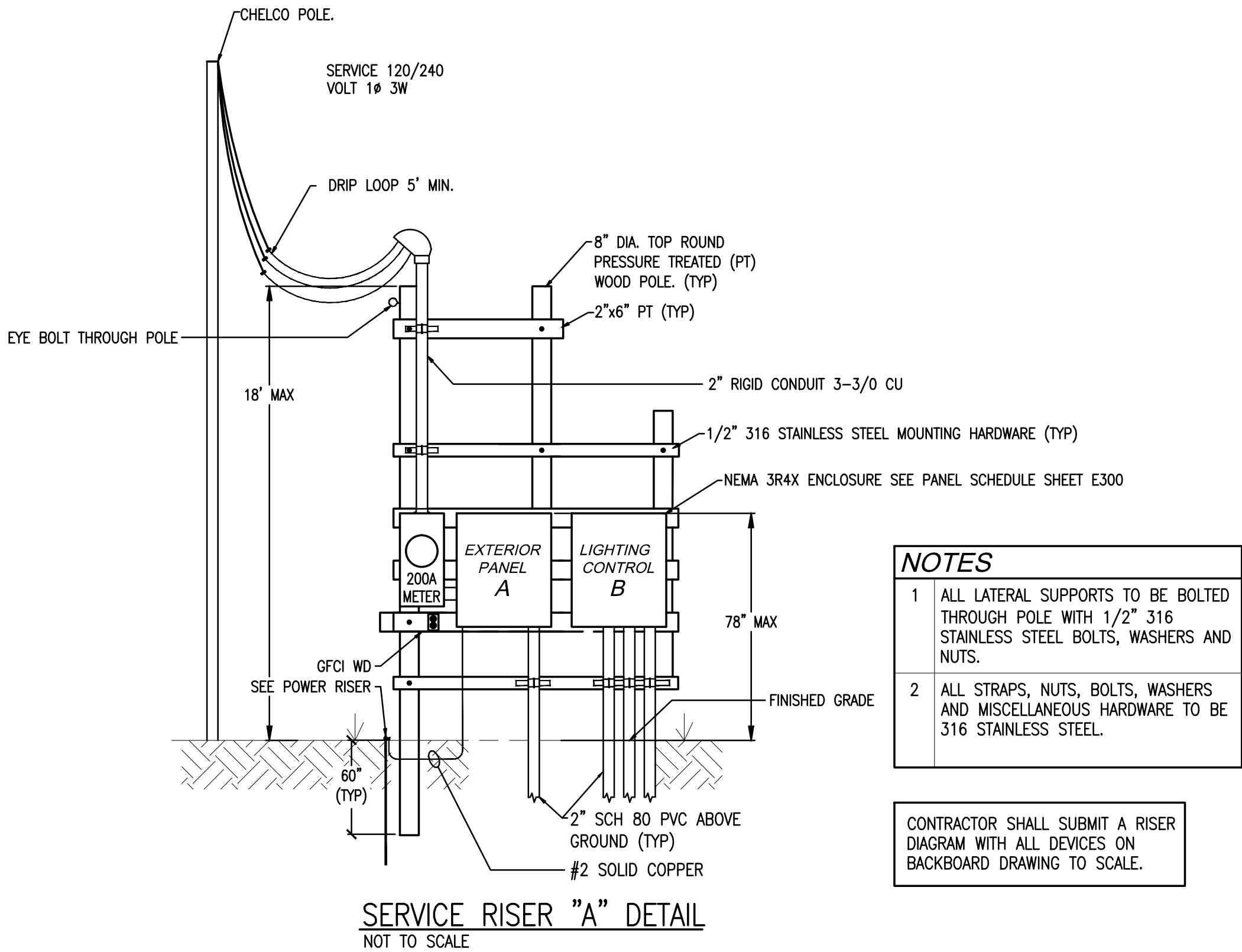
ELECTRICAL LEGEND

- A-1 ADJACENT TO ARROW INDICATES HOMERUN OF CIRCUIT NO. 1 TO PANEL A; "B" INDICATES FIXTURE TYPE; MARKS ACROSS RACEWAY RUN INDICATES THE NUMBER OF NO. 12 CONDUCTORS; UNLESS NOTED OTHERWISE NO MARKS INDICATES TWO NO. 12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (2#12 & 1#12 GND-1/2")
- CEILING FIXTURE
- WALL BRACKET FIXTURE
- 2' X 2' FIXTURE; LAY-IN; CEILING MOUNTED
- 2' X 4' FIXTURE; LAY-IN; CEILING MOUNTED
- SURFACE MOUNT STRIP FIXTURE
- TWIN HEAD EMERGENCY BATTERY UNIT
- EXIT SIGN; CEILING MOUNTED; ARROWS AS NOTED
- EXIT SIGN; BACK MOUNTED; ARROWS AS NOTED
- JUNCTION BOX; MOUNTED ABOVE CEILING
- JUNCTION BOX; MOUNTED FLUSH IN WALL WITH BLANK COVER
- DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352
- QUAD RECEPTACLE; 125V; 20A; 3 POLE GND; MT 18" AFF TO C/L; NEMA 5-20R; HUBBELL SERIES HBL5352
- DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; MT ABOVE COUNTER 46" MAX. TO TOP OF DEVICE; NEMA 5-20R; HUBBELL SERIES HBL5352
- DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; GF; MT ABOVE COUNTER 46" MAX. TO TOP OF DEVICE; NEMA GF-5-20R; HUBBELL SERIES GF5362
- DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; GF; MT 26" AFF TO C/L FOR DRINKING FOUNTAIN; NEMA GF-5-20R; HUBBELL SERIES GF5362
- DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; GF; WP; MT HORIZONTALLY 26" AFF TO C/L; NEMA GF-5-20R; HUBBELL SERIES HBLGF5362; PASS AND SEYMOUR WIUFC10S COVER/BOX.
- TAMPERPROOF DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; MT 18" AFF TO C/L; NEMA 5-20R; HUBBELL SERIES HBL8300
- WALL SWITCH; 120/277V; 20A; 1 POLE; A.C. ONLY; MT 48" AFF TO C/L; HUBBELL SERIES HBL1221
- WALL SWITCH; 120/277V; 20A; 3 WAY; A.C. ONLY; MT 48" AFF TO C/L; HUBBELL SERIES HBL1223
- WALL SWITCH; 120/277V; 20A; 4 WAY; A.C. ONLY; MT 48" AFF TO C/L; HUBBELL SERIES HBL1224
- WALL SWITCH; 120/277V; 20A; OCCUPANCY SENSOR DUAL TECHNOLOGY TYPE; MT 48" AFF TO C/L; REFER TO SPECS
- WALL SWITCH; 120/277V; 20A; 1 POLE; A.C. ONLY; PILOT LIGHT; LIGHT 'ON' WITH LOAD 'ON'; MT 48" AFF TO C/L; HUBBELL SERIES HBL1221PLC
- OCCUPANCY SENSOR POWER PACK; MOUNT ABOVE CEILING
- OCCUPANCY SENSOR RELAY POWER PACK; MOUNT ABOVE CEILING
- LOW VOLTAGE OCCUPANCY SENSOR; 360° DUAL-TECHNOLOGY TYPE; CEILING MOUNTED
- LOW VOLTAGE OCCUPANCY SENSOR; WALL MOUNTED
- MOTOR; FURNISHED BY OTHERS
- EXHAUST FAN; FURNISHED BY OTHERS
- FUSED DISCONNECT SWITCH; AMP SIZE AS NOTED; FUSE SIZE PER EQUIPMENT NAMEPLATE DATA
- RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING
- RACEWAY INSTALLED CONCEALED IN FLOOR SLAB AND/OR BELOW GRADE
- RACEWAY INSTALLED EXPOSED
- FLEXIBLE CONDUIT CONNECTION
- CONDUIT STUB UP WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT
- TELEPHONE WALL OUTLET WITH MODULAR JACK AND COVERPLATE; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE - INSTALL 3/4"C WITH PULLRIBBON UP INTO CEILING SPACE.
- DATA SYSTEM WALL OUTLET WITH ONE(1) RJ-45 JACK AND COVERPLATE; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE - INSTALL 3/4"C WITH PULLRIBBON UP INTO CEILING SPACE.
- FIRE ALARM SYSTEM MANUAL PULL STATION; MT 48" AFF TO C/L
- FIRE ALARM SYSTEM SIGNAL HORN/STROBE; MT 80" AFF TO BOTTOM, '110' INDICATES CANDELA RATING, NO NUMBER INDICATES 75 CANDELA MINIMUM
- FIRE ALARM SYSTEM EXTERIOR, WEATHERPROOF SIGNAL HORN; MT 90" AFF TO BOTTOM
- FIRE ALARM SYSTEM STROBE; MT 80" AFF TO BOTTOM, '110' INDICATES CANDELA RATING, NO NUMBER INDICATES 75 CANDELA MINIMUM
- FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
- FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED
- FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR
- FIRE ALARM SYSTEM REMOTE INDICATOR FOR AIR DUCT SMOKE DETECTOR; MT 48" AFF TO C/L

ELECTRICAL GENERAL NOTES:

- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO OTHER TRADES DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- B. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM. VOLTS, AMPS, SOURCE PANEL AND CIRCUIT NUMBER.
- C. PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS - SIZE PER N.E.C.
- D. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- E. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
- F. OBTAIN ARCHITECTS APPROVAL OF ALL LIGHT FIXTURES, PANELBOARDS, ETC. PRIOR TO PURCHASING.
- G. THE ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL NOT SO INSTALLED SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.
- H. ALL WORK SHALL BE INSTALLED IN CONCEALED TYPE CONSTRUCTION. UNDERGROUND CONDUITS UP TO FIRST BOX IN CONCEALED CONSTRUCTION MAY BE SCH.40 PVC. EXTERIOR EXPOSED WORK SHALL BE I.M.C. BRANCH CIRCUIT CONDUIT RUN IN OPEN SPACES ABOVE CEILING OR IN WALLS MAY BE THINWALL (E.M.T.) CONDUIT 1/2" MIN. SIZE.
- I. THE CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED IN PROPER WORKING ORDER, AND SHALL REPLACE WITHOUT ADDITIONAL COST, ALL WORK OR MATERIAL WHICH MAY DEVELOP DEFECTS, (ORDINARY WEAR AND TEAR OR DAMAGE RESULTING FROM IMPROPER HANDLING EXCEPTED) WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

120/240 VOLT, 1Ø, 4W									
CIRCUIT BREAKER PANEL SCHEDULE									
200 AMP M.B. MAIN PANEL: MP									
CKT	LOAD DESCRIPTION	BREAKERS			BREAKERS		LOAD DESCRIPTION		CKT
		POLE	AMP		AMP	POLE			
1	EAST JS3	2	40		40	2	EAST JS4		2
3	"	"	"		"	"	"		4
5	CENTER JS3	2	30		30	2	CENTER JS4		6
7	"	"	"		"	"	"		8
9	WEST JS3	2	40		40	2	WEST JS4		10
11	"	"	"		"	"	"		12
13	REC GFCI	1	20		20	1	LIGHTING CONTROLS		14
15	SPACE	"	"		"	"	SPACE		16
17		"	"		"	"			18
19		"	"		"	"			20
21		"	"		"	"			22
23		"	"		"	"			24
25		"	"		"	"			26
27		"	"		"	"			28
29									30
30 CIR PANEL BOARD					3R 4X ENCLOSURE				



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WALTON COUNTY
SHERIFF DRIVER TRAINING FACILITY
221 TRIPLE G ROAD
WALTON COUNTY, FL

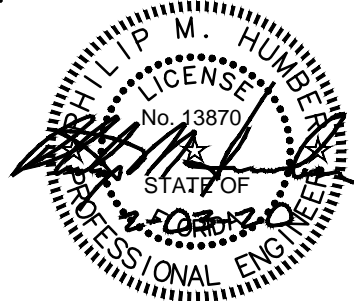
PERMIT SET

No.	Description	Date

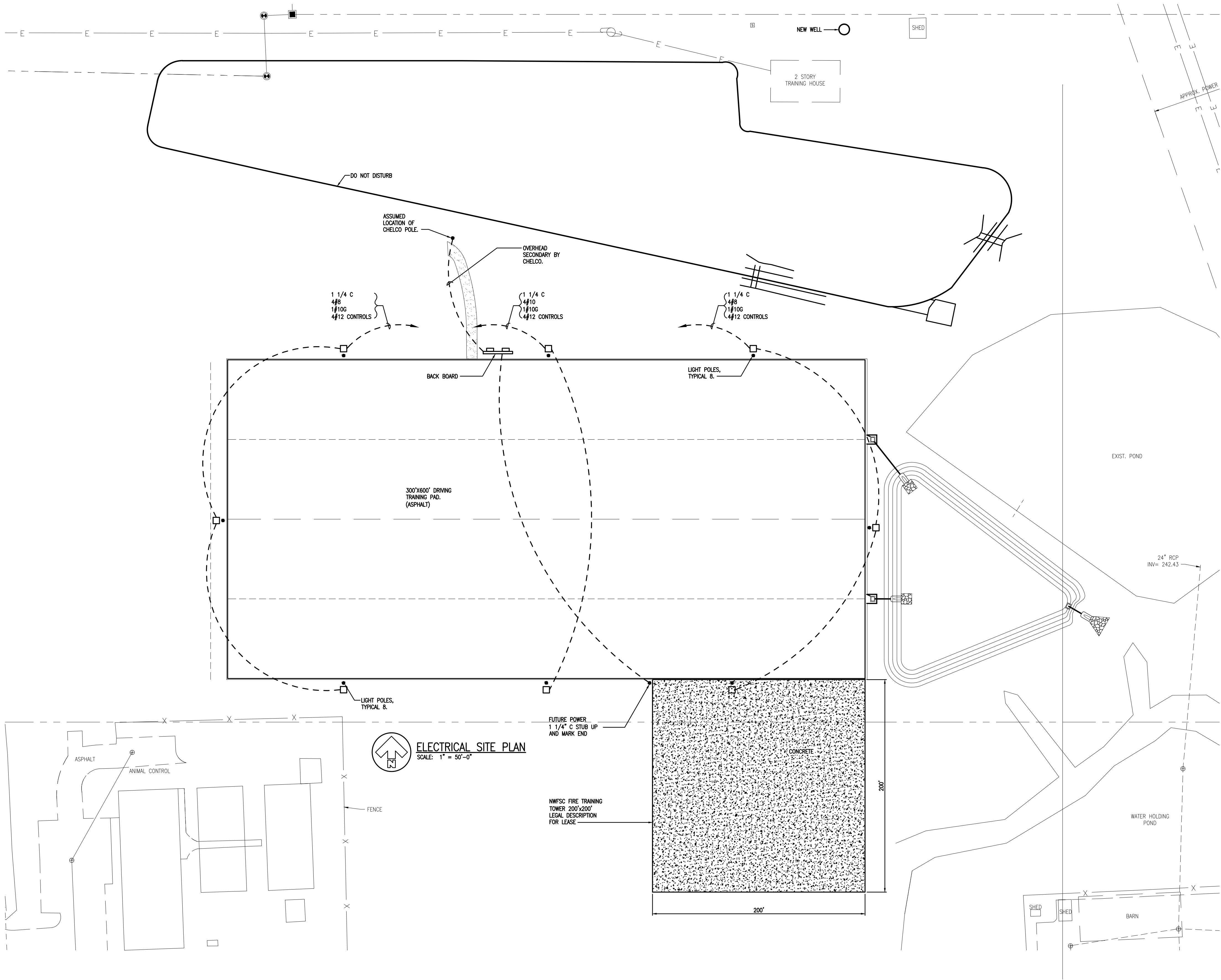
ELECTRICAL LEGEND
AND
GENERAL NOTES

Date	02/04/20
Drawn By	PogoDD
Checked By	P.Humber

E100



PHILIP HUMBER, P.E.
-CONSULTING ENGINEER-
740 SALT AIR LANE
MARY ESTHER, FLORIDA 32569
PHONE: (850) 582-3554
ELECTRICAL ENGINEER: PHILIP HUMBER, P.E. - FLA. REG. NO. 13870



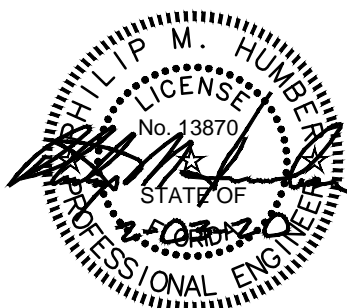
**WALTON COUNTY
SHERIFF DRIVER TRAINING FACILITY**
221 TRIPLE G ROAD
WALTON COUNTY, FL

PERMIT SET

No.	Description	Date



ELECTRICAL
SITE PLAN

Date	02/04/20
Drawn By	PogoDD
Checked By	P.Humber

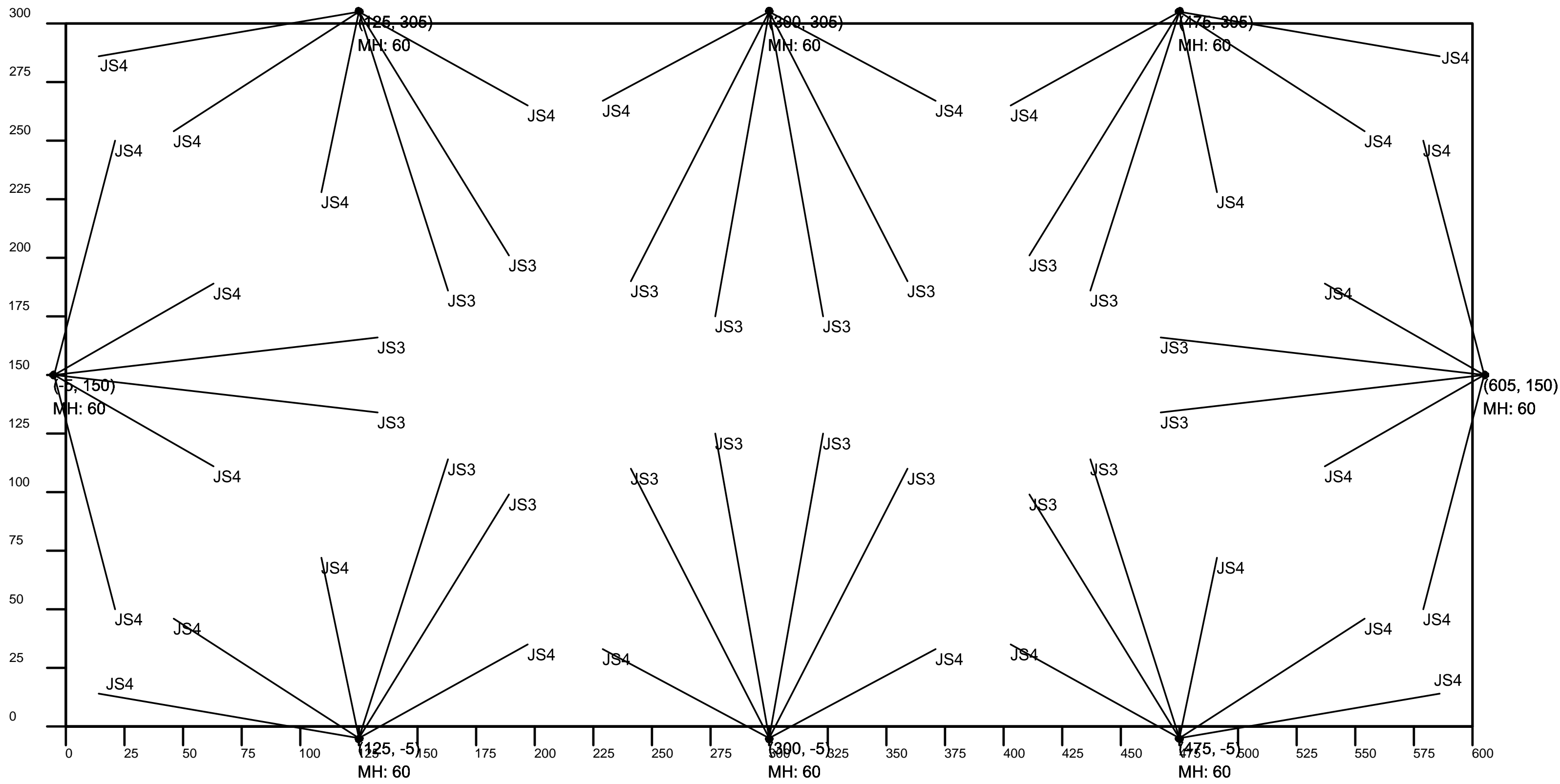


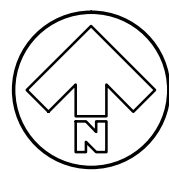
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E200

Luminaire Schedule								
Symbol	Qty	Label	Description	Arrangement	Lum. Lumens	LLF	Lum. Watts	Total Watts
	24	JS3	JADEMAR JSLE-600W-30DEG-UNV	SINGLE	65068	0.900	511.35	12272.4
	24	JS4	JADEMAR JSLE-600W-40DEG-UNV	SINGLE	65181	0.900	490.89	11781.36

Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	# Pts	PSpecLr	PSpecTb
DRIVING TRAINING	Illuminance	Fc	11.38	16.5	6.7	1.70	2.46	480	20	28



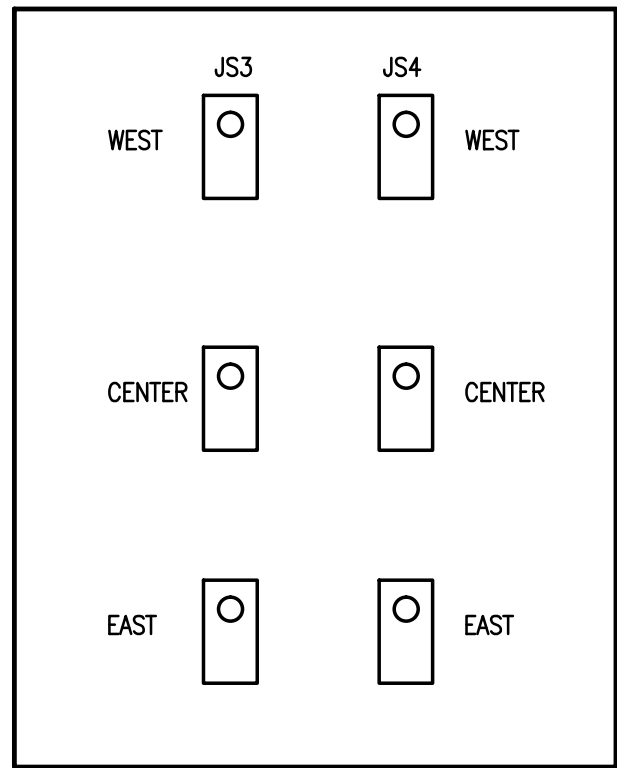
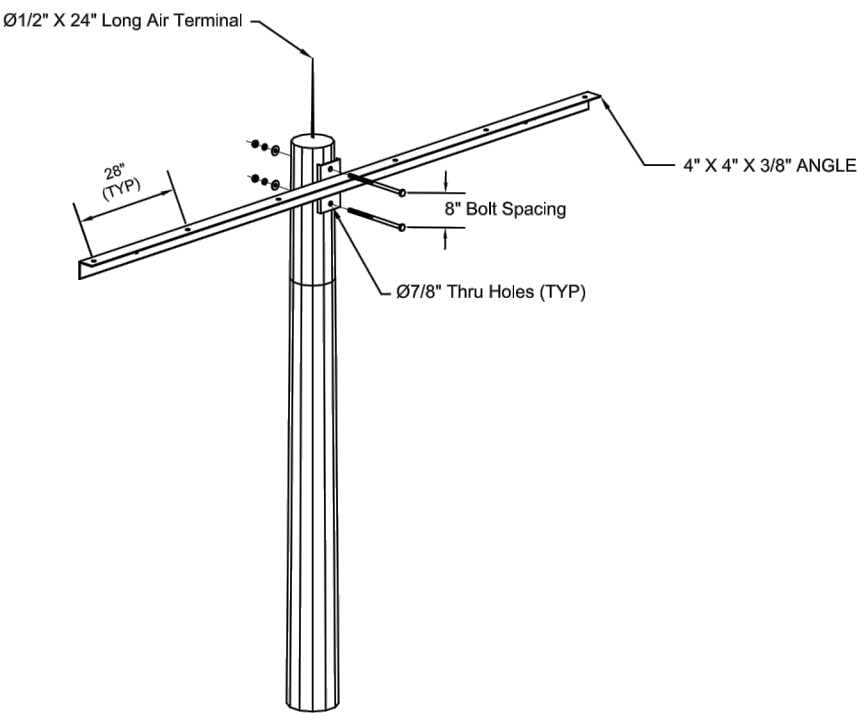
 **DRIVING PAD - LIGHTING**
SCALE: 1" = 50'-0"

NOTE A

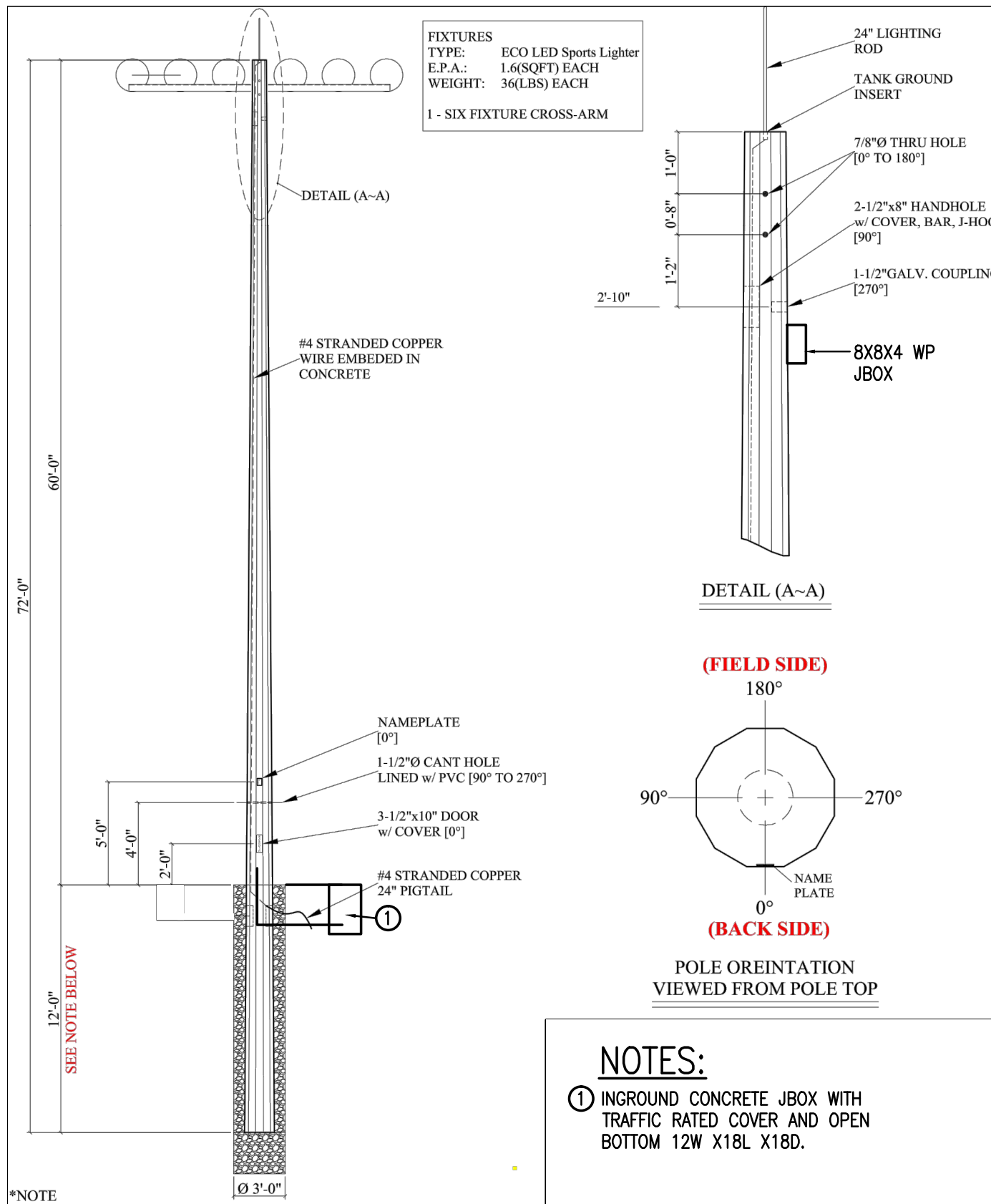
20 POLE FIXTURE "JS3" COVERS CENTER CORE

28 POLE FIXTURE "JS4" COVERS PERIMETER

6 FIXTURE CROSSARM
(Weight = 136 lbs. * E.P.A. = 7.18 Sq. Ft.)
(E.P.A. figure includes appropriate AASHTO drag coefficient)

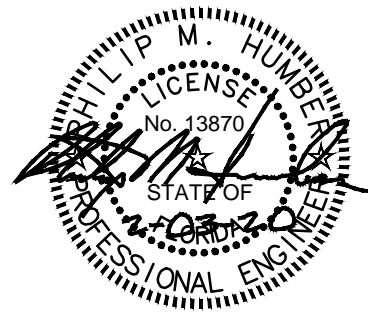
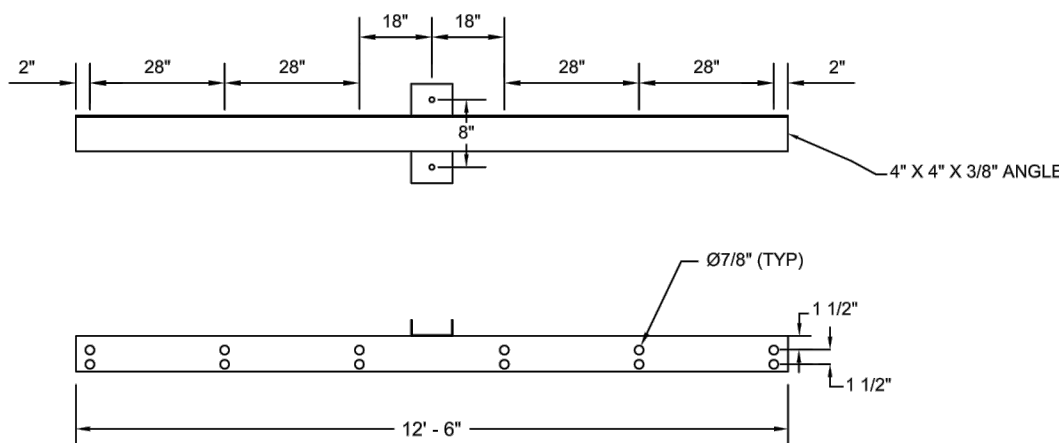


CONTROL PANEL, INSTALL 6 0-10 DIMMERS



NOTES:

1. INGROUND CONCRETE JBOX WITH TRAFFIC RATED COVER AND OPEN BOTTOM 12W X18L X18D.



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PERMIT SET		
No.	Description	Date

DRIVING PAD
LIGHTING AND
SCHEDULES

Date	02/04/20
Drawn By	PogoDD
Checked By	P.Humber

E300