

All construction shall be performed in accordance with the approved plans and comply with all standard city policies and practices. City approval is contingent upon any required state or federal permit approvals such as those from the Department of Environmental Protection or the St. Johns River Water Management District (SJRWMD).

Plan approval through Development Services does not include utilities. Proposed water, sewer or electric construction must be approved separately through the respective utility company. In most cases, this will be:

JEA
JEA Tower - 4th Floor
21 W. Church Street
Jacksonville, FL 32202
<http://www.jea.com/business/services/devandbuild/developers.asp>

CITY: Except for new subdivision infrastructure construction, all work performed within a City of Jacksonville right-of-way or easement requires a Right-of-way Permit. The contractor performing the proposed work must have a current Right-of-way Bond on file with Development Services. Right-of-way Permit applications are processed at:

Development Services Customer Service Center
Edward Ball Building, 2nd Floor
214 N. Hogan St.
Jacksonville, FL 32202
(904) 255-8572
<http://www.jacksonville.gov>

STATE: All work performed within a state right-of-way requires a permit from the Florida Department of Transportation (FDOT). It is the developer's responsibility to obtain required FDOT permits or maintenance-of-traffic approvals for work within FDOT right-of-ways. The FDOT regional office can be contacted at (904) 360-5200 Any changes to the approved plans needed for FDOT approval must be submitted to Development Services as revisions.

Adjacent State Roads: _____

RAILROAD: Railroad companies may require special approvals or permits to work within their right-of-ways. It is the developer's responsibility to obtain permission from any railroad right-of-way owner before performing any work within their right-of-way.

Annual reports in compliance with the SJRWMD stormwater permits are required from the maintenance entity of all stormwater management facilities. Send copies of the reports to:

Engineering and Construction Management
Edward Ball Building, 10th Floor
214 N. Hogan St.
Jacksonville, FL 32202
<http://www.coj.net/Departments/Public+Works/Engineering+and+Construction+Management>

The owner of any project one (1) acre or larger is required to provide a Notice of Intent (NOI) in accordance with criteria set forth in the city's NPDES permit within 48 hours of beginning construction. Send NOI and NOI fee to:

Florida Department of Environmental Protection
NPDES Stormwater Notices Center, Mail Station #2510
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
(866) 336-6312
<http://www.dep.state.fl.us/water/stormwater/npdes/>

The contractor shall contact the Environmental Quality Division, Erosion and Sedimentation Control Section (ESC) to provide verification that applicable stormwater permits have been obtained and to schedule a pre-construction ESC site inspection:

Environmental Quality Division
407 North Laura Street, Third Floor
Jacksonville, FL, 32202
(904) 255-7222

Plan review and approval does not relieve the contractor of complying with all applicable State Fire Codes.

Underground mains and hydrants shall be installed, completed, and in service prior to construction work.

Underground contractor shall submit to the Fire Marshal for approval complete specs for all underground pipe and fittings relating to fire protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and pipe ID along with contractor's state license number.

A Site Work Permit is required for this project.

☐ Tree Fund payment is due: _____ inches at \$ _____ = \$ _____

☐ Article 25 funds are due: _____ inches at \$ _____ = \$ _____

TRAFFIC SIGNS

Metro Name (each)	_____
Standard (each)	_____
Stop/Yield (each)	_____
Design (per plat)	1 per plat
Installation (per hour)	1 per 2 signs (rounded up)

Streetlights Required

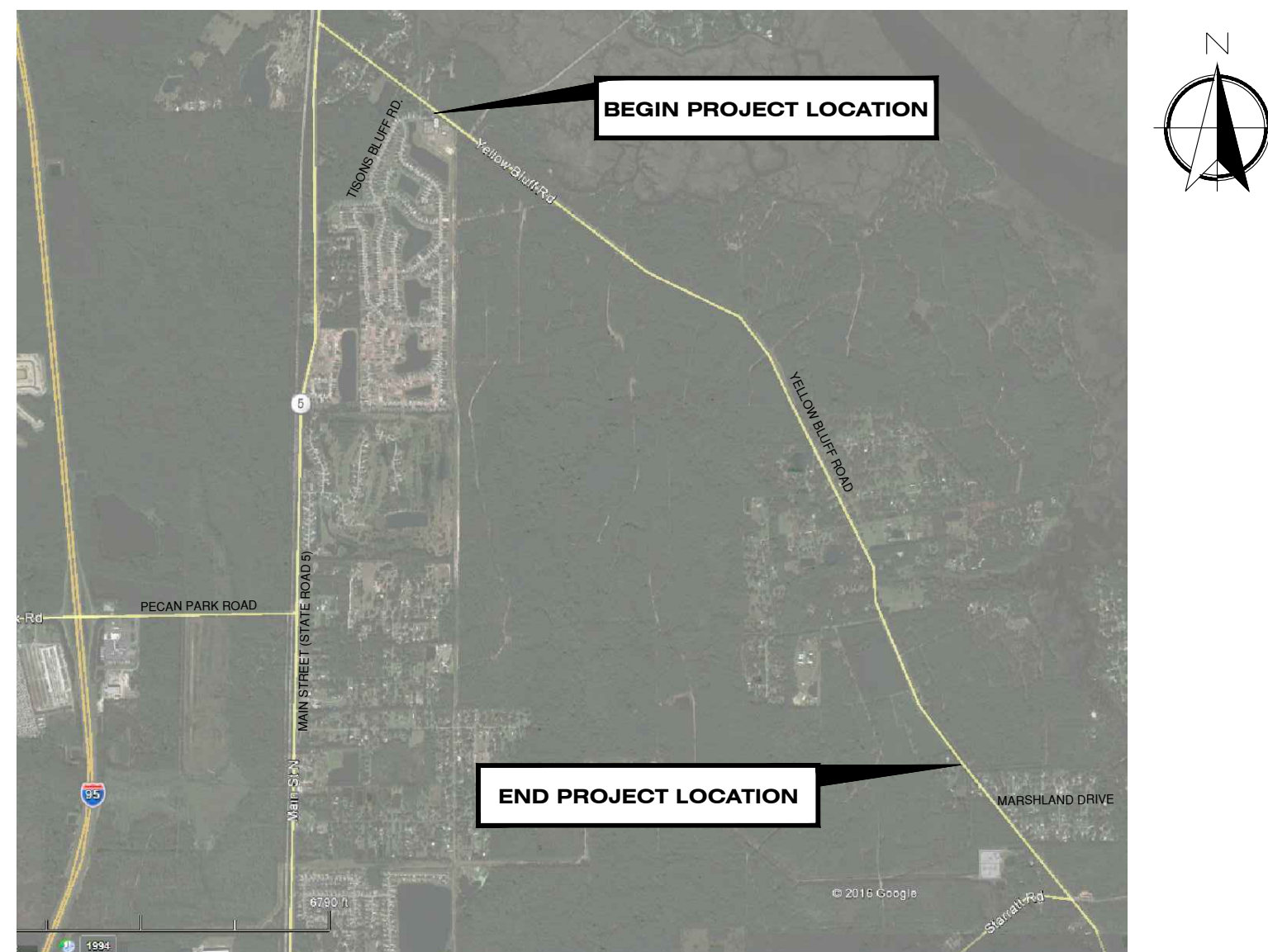
NOTE: Traffic sign costs change from time to time. Consult Attachment 8 of the Land Development Procedures Manual (<http://ldpm.jaxdev.com/>) for the current rates before paying for any sign installations.

No lane closures allowed from 7 a.m. till 9 a.m. and from 4 p.m. till 6 p.m.

PREPARED FOR:

The logo for JEA Building Community. It features the letters "JEA" in a large, bold, black, stylized font. A thick, black, curved line sweeps under the "JEA" text. Below this, the words "Building Community" are written in a smaller, black, sans-serif font. A small "sm" trademark symbol is located at the end of the "Building Community" text.

FEBRUARY 2017
JEA PROJECT NO.: 8003023



NOT TO SCALE



Date Development Services Division (Chief)

Date	Review Group (Reviewer)
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Plan approval is valid for five years after the initial approval date. Revisions made after the initial approval date do not extend this five-year time frame.

PLAN APPROVAL IS SUBJECT TO THE
FOLLOWING NOTES AND CONDITIONS:

[illegible]

GENERAL	
City Development Number	<u>4161.029</u>
Concurrency Application Number	<u>92805.0</u>
Property Appraiser Number (RE #)	<u>N/A</u>
Zoning Designation	<u>ROW</u>
Zoning Application(s) (if any)	<u>N/A</u>
PUD Ordinance Number	<u>2013-469</u>
FIRM – Community – Panel	<u>12031 C0065 H</u>
Flood Zones (Show in Plans)	<u>X</u>
Base Flood Elev. (Show in Plans)	<u>N/A</u>
Vertical Datum Used for Project	<u>NAVD '88</u>
JEA Availability Number	<u>2016-1865</u>
SUBDIVISION	
PSD Number	<u>N/A</u>
City or Private Inspection	<u>N/A</u>
Public or Private Roads	<u>N/A</u>
Subdivision ("911") Disk Provided?	<u>N/A</u>
NON-SUBDIVISION	
North American Industry	
Classification System (NAICS)	<u>811192</u>
Impervious Area (Sq. Ft.)	<u>27,971 SF</u>

IFB BID NO.:

BID DUE DATE:

TIME OF RECEIPT:

TIME OF OPENING:

BID PLACE: JEA CUSTOMER CARE

1ST FLOOR, ROOM 002

21 W. CHURCH STREET

JACKSONVILLE, FLORIDA

1. ALL ELEVATIONS ARE BASED ON U.S.C.&G.S. DATUM AND SHOWN IN FEET.
2. ELEVATIONS ARE BASED ON N.A.V.D. 1988.
3. LOCATION OF EXISTING UTILITIES OBTAINED BY SOFT DIG LOCATOR WHERE SHOWN ON PLANS, OR INCLUDED WITH BID SPECS.
4. EXISTING WATER AND SEWER LINES ARE SHOWN AS PER FIELD LOCATES AND AS-BUILT PLANS.
5. UNDERGROUND UTILITIES WERE LOCATED UTILIZING GROUND PENETRATING RADAR (GPR) AND A DIGITAL LOCATOR. BY SOUTHEASTERN SURVEY AND MAPPING ON 9-19-16, CONTRACTOR SHALL BE AWARE THAT IN SOME CASES UTILITIES HAVE BEEN LOCATED, AND SURVEY HAS BEEN COMPLETED ONLY ON ONE SIDE OF THE ROAD.
6. ALL PIPE LENGTHS SHOWN ON PLAN AND PROFILES ARE FROM CENTER TO CENTER OF MANHOLES, CATCH BASINS, INLETS ETC. OR ALONG THE CENTER LINE OF WATER MAINS.
7. INVERT ELEVATIONS SHOWN ON DRAWINGS REFER TO THE CENTERLINE OF PIPE, UNLESS OTHERWISE INDICATED.
8. THE LOCATION OF ALL EXISTING SEWER AND WATER SERVICE LINES MAY NOT BE INDICATED ON THESE PLANS. THE LOCATION OF NEW SERVICES SHALL BE VERIFIED IN THE FIELD.
9. BENCHMARK DATA: PER FIELD SURVEY PERFORMED BY CPH ON 9-19-16, THE SITE BENCHMARKS FOR THIS TOPOGRAPHIC SURVEY ARE DISPLAYED ON THE RESPECTIVE SURVEY FILE. THESE BENCHMARKS ARE BASED ON A CLOSED VERTICAL CONTROL LOOP HAVING AN ACTUAL ERROR OF CLOSURE OF 0.018" WHICH MEETS THE ALLOWABLE CLOSURE OF 0.049". THIS FIELDWORK WAS PERFORMED USING A NIKON LEVEL MODEL # AS-2, AND REFERENCES THE FOLLOWING PUBLISHED BENCHMARKS AS ESTABLISHED BY THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88) AND SAID ELEVATIONS ARE AS FOLLOWS:
 - a) DESIGNATION # B 614. ELEVATION = 16.24 FEET (NAVD '88)
 - b) DESIGNATION # C 614. ELEVATION = 22.42 FEET (NAVD '88)

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING CITY OF JACKSONVILLE RIGHT-OF-WAY (ROW) PERMIT PRIOR TO CONSTRUCTION. THE CITY OF JACKSONVILLE PLAN APPROVAL LETTER ALONG WITH A SET OF THE APPROVED PLANS WILL BE MADE AVAILABLE TO THE CONTRACTOR TO OBTAIN THE ROW PERMIT.
2. THE CONTRACTOR MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS (NPDES) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES. NONCONTAMINATED GROUNDWATER ASSOCIATED WITH DEWATERING ACTIVITIES IS AN ALLOWABLE DISCHARGE UNDER THE GENERIC PERMIT. THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING CONTAMINATION PRIOR TO SUBMITTING THE NOTICE OF INTENT.
3. THE CONTRACTOR SHALL NOT OPEN CUT STREETS IN THE PROJECT AREA UNLESS SPECIFICALLY SHOWN ON PLANS.
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CONSUMPTIVE USE PERMIT (C.U.P.) THROUGH THE ST. JOHNS WATER MANAGEMENT DISTRICT SHOULD DEWATERING ACTIVITIES BE REQUIRED. NO KNOWN CONTAMINATED SITES ARE LOCATED IN THE PROJECT AREA.
5. ALL WORK SHALL BE IN ACCORDANCE WITH BID DOCUMENTS, JEA WATER AND SEWER STANDARDS, DETAILS AND MATERIALS MANUAL, LATEST EDITION, AND CITY OF JACKSONVILLE STANDARD SPECIFICATIONS AND DETAILS AND ALL APPLICABLE STATE AND LOCAL REGULATIONS.
6. IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH APPROVAL OF THE PERMITTING AGENCY, DUCTILE IRON PIPE, FITTINGS AND SOLVENT RESISTANT GASKET MATERIAL SHALL BE USED IN THE CONTAMINATED AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED.
7. THE CONTRACTOR SHALL NOTIFY APPLICABLE UTILITY CONTACT PERSONNEL AND HOMEOWNERS ASSOCIATIONS NOT LESS THAN ONE WEEK PRIOR TO CONSTRUCTION OF FACILITIES IN THEIR RESPECTIVE AREAS.
8. TREE PROTECTION SHALL BE IN ACCORDANCE WITH JACKSONVILLE ORDINANCE CODE 656 AND/OR AS DETAILED ON SPECIFIC PLAN SHEETS. NO TRIMMING OF OVERHANGING TREE LIMBS WILL BE ALLOWED. USE SMALLER EQUIPMENT IF NECESSARY.
9. THE CONTRACTOR SHALL LOCATE THE DRAINAGE INLET STRUCTURES IN THE PROJECT AREA AND ERECT SEDIMENTATION CONTROL DEVICES AS NECESSARY PER THE CITY OF JACKSONVILLE STORMWATER POLLUTION PREVENTION PLAN.
10. CONTRACTOR TO COORDINATE WORK WITH OTHER UTILITIES DURING CONSTRUCTION.

1. IN ORDER TO REDUCE THE DISRUPTION AND COST OF UTILITY DAMAGES OCCURRING IN THE CITY OF JACKSONVILLE RIGHT-OF-WAY AND EASEMENTS, THE CONTRACTOR SHALL PREVENT DAMAGES TO EXISTING UTILITIES CAUSED BY HIS WORK THROUGH FIELD VERIFICATION OF THE LOCATION OF THE EXISTING UTILITIES. IN THE CASE OF OPEN EXCAVATION, VERIFICATION MAY BE PERFORMED DURING THE CONTRACTORS WORK.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES AS NEEDED TO AVOID CONTACT. EXISTING UTILITIES SHALL BE EXPOSED USING DETECTION EQUIPMENT OR OTHER ACCEPTABLE MEANS. SUCH METHODS MAY INCLUDE BUT SHALL NOT BE LIMITED TO "SOFT DIG" EQUIPMENT AND GROUND PENETRATING RADAR (GPR). THE EXCAVATOR SHALL BE HELD LIABLE FOR DAMAGES CAUSED TO THE CITY'S/JEA'S INFRASTRUCTURE AND THE EXISTING FACILITIES OF OTHER UTILITY COMPANIES.
3. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS 18" ABOVE AND BELOW GROUND SURFACE. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. A SINGLE POINT UTILITY IDENTIFICATION SERVICE HAS BEEN SET UP FOR EXISTING UTILITIES. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL CENTER BY DIALING "811" AT LEAST TWO (2) AND NO MORE THAN FIVE (5) WORKING DAYS PRIOR TO THE SPECIFIC CONSTRUCTION ACTIVITY FOR FIELD LOCATION. NOTE THAT NOT ALL UTILITIES PARTICIPATE IN THIS PROGRAM. THE CONTRACTOR SHOULD CONTACT ALL NON-PARTICIPATING UTILITIES SEPARATELY FOR THEIR FACILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. PER FLORIDA STATUTE 553.851, THE CONTRACTOR OR EXCAVATOR IS REQUIRED TO NOTIFY THE GAS COMPANY TWO (2) WORKING DAYS PRIOR TO STARTING EXCAVATION.

1. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, TO REFERENCE AND RESTORE PROPERTY CORNERS AND LANDMARKS WHICH MAY BE DISTURBED BY CONSTRUCTION, KNOWN CORNER LOCATIONS ARE AVAILABLE FROM THE CITY OF JACKSONVILLE ENGINEERING DIVISION.
2. THE CONTRACTOR SHALL RESTORE/REPLACE ALL CULVERTS, HEADWALLS AND STORM DRAIN INLETS REMOVED OR DISTURBED BY THE CONSTRUCTION OPERATION.
3. TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITION IN ACCORDANCE WITH CITY OF JACKSONVILLE/FDOT STANDARD SPECIFICATIONS.
4. SIDEWALKS, DRIVEWAYS AND CURBING DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH JACKSONVILLE STANDARD SPECIFICATIONS. SIDEWALKS REMOVED AND REPLACED IN CURB AND GUTTER AREAS AT INTERSECTIONS SHALL HAVE HANDICAP RAMPS INSTALLED. DRIVEWAYS AND SIDEWALKS SHALL BE SAWCUT ALONG THE RIGHT-OF-WAY LINE OR NEAREST JOINT AND REMOVED AND REPLACED TO THE EDGE OF STREET.
5. GRASS SOD/SEED SHALL BE FURNISHED AND PLACED IN THE AREAS DISTURBED OR DAMAGED BY THE CONSTRUCTION OPERATION.
6. ALL PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH THE CITY OF JACKSONVILLE/FDOT STANDARD DETAILS AND SPECIFICATIONS LATEST EDITION.
7. UNLESS OTHERWISE NOTED, REMOVE AND REPLACE EXISTING PAVEMENT AS PER C.O.J. CASE 1 PLATE P-402 PAVEMENT REPAIR DETAIL.
8. CONTRACTOR MUST MAINTAIN AND PRESERVE NEWLY GRADED AREAS AND REPAIR AREAS WHERE SETTLING AND EROSION HAVE OCCURRED.

A.	AT&T - GENERAL NUMBER—	904-519-2529
B.	AT&T - ADAM DUGAN - NORTH DISTRICT—	904-781-0741
C.	AT&T - BILL LAKE - SOUTH DISTRICT—	904-303-8754
D.	CITY OF JACKSONVILLE - PUBLIC WORKS DEPT.	904-255-8762
E.	CITY OF JACKSONVILLE - TRAFFIC OPERATIONS—	904-387-8861
F.	FLORIDA DEPT. OF TRANSPORTATION	904-360-5200
G.	JEA - WATER COLLECTION & DISTRIBUTION - DAVID ASHLEY—	904-665-8484
H.	JEA - SEWER COLLECTION & DISTRIBUTION - JOSH PARKER	904-665-6052
I.	JEA - GENERAL INFORMATION	904-665-6000
J.	JEA - PROJECT OUTREACH	904-665-7500
K.	JEA - POWER OUTAGES	904-665-6000
L.	JEA - SEWER PROBLEMS—	904-665-4802
M.	JEA - WATER PROBLEMS—	904-665-4801
N.	JEA - WATER & SEWER LOCATES—	904-665-8410
O.	COMCAST - EMERGENCY HOTLINE—	904-380-6274
P.	TECO/PEOPLES GAS - BEN MOBLEY	904-545-8958
Q.	SUNSHINE ONE CALL—	811

3. WHEN THE DISTANCE BETWEEN A POWER POLE AND THE TRENCH IS LESS THAN THE TRENCH DEPTH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH JEA ELECTRICAL PERSONNEL TO SECURE POWER POLES. THE CONTACTS FOR JEA ARE AS FOLLOWS:
 - NORTHSIDE -EAST OF US-1 MIKE CORBITT @ 665-7991 (mobile 662-0635)
 - NORTHSIDE -WEST OF US-1 ANDY YEAGER @ 665-7998 (mobile 662-0622)
 - NORTHSIDE -BACKUP ALAN AINSLEY @ 665-7303 (mobile 662-6557)
 - SOUTHSIDE -SOUTH OF BEACH BLVD. TOM KERNS @ 665-8847 (mobile 860-1687)
 - SOUTHSIDE -NORTH AT BEACH BLVD. DERYL BASFORD @ 665-6855 (mobile 662-0616)
 - SOUTHSIDE -BACKUP EDDIE GALES @ 665-6855 (mobile 662-0616)
4. A MINIMUM OF TWO (2) WORKING DAYS NOTICE IS REQUIRED FOR AN OUTSIDE MEETING WITH JEA ELECTRICAL TO DISCUSS THE REQUIREMENT WORK. ADDITIONAL TIME WILL BE REQUIRED BY JEA ELECTRICAL FOR ANY REQUIRED WORK TO BE ACCOMPLISHED.
2. ALL NEW STORM DRAIN PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
3. THE DESIGN FOR THE PROJECT IS BASED UPON THE "OPEN-CUT" METHOD OF CONSTRUCTION. IF USING ALTERNATIVE MEANS OR METHODS, THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE STANDARDS FOR THAT MEANS OR METHOD.
4. THE CONTRACTOR SHALL MINIMIZE SERVICE INTERRUPTIONS TO EXISTING WATERMAINS. THE MEANS AND METHODS SHALL BE LEFT TO THE DISCRETION OF THE CONTRACTOR, SUBJECT TO THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. NO EXISTING ACTIVE SERVICE SHALL BE LEFT INTERRUPTED AT THE END OF THE WORK DAY.
5. CONTRACTOR SHALL PROVIDE ADDITIONAL CORPORATION STOPS FOR FILLING AND DRAINING PURPOSES DURING CONSTRUCTION AS NEEDED. CORPORATION STOPS ARE TO BE PLUGGED AND LEFT IN PLACE. INDICATE CORPORATION STOP LOCATIONS ON RECORD DRAWINGS (AS-BUILTS).
6. WATER SERVICES SHALL BE TRANSFERRED TO THE NEW MAIN UPON COMPLETION AND F.D.E.P./J.E.A. CERTIFICATION, AND PRIOR TO THE EXISTING MAINS BEING ABANDONED.
7. IF EXISTING VALVES ARE IN UNPAVED AREAS AND ARE TO BE TAKEN OUT OF SERVICE, THEY SHALL BE CLOSED AND THE VALVE BOX AND COVER SHALL BE REMOVED. IF THE VALVES ARE UNDER PAVED AREAS, THEY SHALL BE CLOSED, THE VALVE BOX GROUT FILLED AND THE COVER REMOVED.
8. CONTRACTOR SHALL REPLACE EXISTING WATER METER BOXES WHEN DEEMED NECESSARY BY THE JEA INSPECTOR.
9. CONTRACTOR TO PROVIDE ADDITIONAL DEPTH OF BURY VIA PIPE JOINT DEFLECTION TO ACCOMMODATE VALVE SELECTION PER JEA STANDARDS.
10. WATER METERS MAY REQUIRE RELOCATION FOR CONSTRUCTION, CONTRACTOR SHALL CONTACT JEA METER DEPARTMENT AND RELOCATE WATER METERS AS NECESSARY.
11. PRIOR TO COMMENCING ANY EXCAVATION OR GRADING, THE CONTRACTOR SHALL OBTAIN ALL GEOTECHNICAL AND TOPOGRAPHIC SURVEY DATA AND LOCATIONS OF ABOVE GROUND AND UNDERGROUND UTILITIES. SHOULD THE CONTRACTOR DISCOVER ANY INACCURACIES, ERRORS OR OMISSIONS IN THE SURVEY DATA, HE SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER IN ORDER THAT PROPER ADJUSTMENTS CAN BE ANTICIPATED AND ORDERED.
12. SHEET PILING WILL BE REQUIRED ON ALL EXCAVATIONS DEEPER THAN 16 FEET.

A.C.	ASBESTOS CEMENT	INT.	INTERSECTION
A.G.	ALLEY GRATE	INV	INVERT
B.	BASE LINE	I.P.	IRON PIPE
B.M.	BENCH MARK	J.W.W.	JACKSONVILLE WATER WORKS
B.	BOTTOM OF CURVE	LT.	LEFT
C.B.	CATCH BASIN	MB	MANHOLE BOX
C.I.	CAST IRON	MES	MITERED END SECTION (AS NOTED)
C.	CENTER LINE	MH	MANHOLE
C.E.P.	CITY ELECTRIC POLE	N.T.S.	NOT TO SCALE
CONC.	CONCRETE	OHU	OVERHEAD ELECTRIC
CONST.	CONSTRUCTION	O.T.	OVERHEAD TELEPHONE
CMP	CORRUGATED METAL PIPE	PK	PARKER KAYLON
C.M.P.A.	CORRUGATED METAL PIPE ARCH	PRM	PERMANENT REFERENCE MONUMENT
CULV.	CULVERT	PVC	POLYVINYL CHLORIDE
C&G	CURB & GUTTER	R	RI
C	CUT	RCP	REINFORCED CONCRETE PIPE (AS NOTED)
D.B.I.	DITCH BOTTOM INVERT	RT	RIGHT
D.W. OR DR	DRIVEWAY	R/W	RIGHT OF WAY
DIP	DUCTILE IRON PIPE	R.D.	ROOF DRAIN
EOP	EDGE OF PAVEMENT	S/W	SIDE WALK
ELEV	ELEVATION	S.B.T.	SOUTHERN BELL TELEPHONE
ERCP	ELLIPTICAL REINFORCED	SF	SQUARE FEET
EXP. JT.	EXC. PIPE	STA.	STATION
FND	FOUNDATION JOINT	SY	SQUARE YARDS
F.H.	FIRE HYDRANT	T.O.C.	TOP OF CURVE
F.	FLOW LINE	U.G.E.	UNDERGROUND ELECTRIC
FM	FORCE MAIN	UT	UNDERGROUND TELEPHONE
GALV./GLV	GALVANIZED	U.S.C. & G.S.	UNITED STATES COASTAL & GEODETIC SURVEY
G	GAS LINE	V.C.	VITRIFIED CLAY
G.V.	GAS VALVE	W.M.	WATER MAIN
HDPE	HIGH DENSITY	WM	WATER METER
H.W.	HEAD WALL	W.V.	WATER VALVE
H.C.	HIGH CURB	WLP	WOOD LIGHT POLE
		WPP	WOOD POWER POLE
		WTP	WOOD TELEPHONE POLE

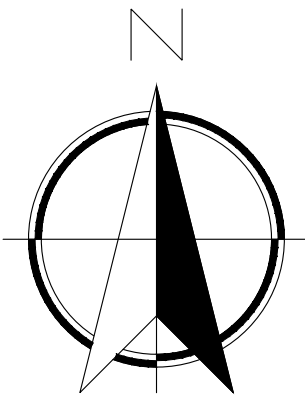
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1	-	COVER SHEET		
2	G-1	GENERAL NOTES, LEGEND AND SHEET INDEX		
3	G-2	KEY MAP		
		<u>WATER IMPROVEMENTS</u>		<u>REFERENCE DRAWINGS</u>
4	C-1	PLAN VIEW STA: 10+00 TO 28+00	W-STD-1	WATER MAIN DETAILS
5	C-2	PLAN VIEW STA: 28+00 TO 46+00	W-STD-2	WATER MAIN DETAILS
6	C-3	PLAN VIEW STA: 46+00 TO 64+00	W-STD-3	WATER MAIN DETAILS
7	C-4	PLAN VIEW STA: 64+00 TO 82+00		
8	C-5	PLAN VIEW STA: 82+00 TO 100+20	DET-1	ROADWAY AND DRAINAGE DETAILS
9	C-6	PLAN VIEW STA: 100+20 TO 118+00	SWPPP-1	STORMWATER POLLUTION PREVENTION DETAILS
10	C-7	PLAN VIEW STA: 118+00 TO 136+00	SWPPP-2	STORMWATER POLLUTION PREVENTION DETAILS
11	C-8	PLAN VIEW STA: 136+00 TO 154+00		
12	C-9	PLAN VIEW STA: 154+00 TO 172+00		
13	C-10	PLAN VIEW STA: 172+00 TO 175+00		
14	C-11	CIVIL DETAILS		
15	C-12	CIVIL DETAILS		

		DESIGN ENGINEER WADE P. OLSZEWSKI P.E. FLORIDA REGISTRATION NO. 54068			
NO. SHEETS	PROJ. NO. J605	DESIGNER: N/A COB: N/A		NO. BY	DATE
SHEET NO. 15	DATE: FEBRUARY 2017	DRAWN BY: N/A CHECKED BY: N/A DATE: N/A		6	X
2	SCALE: NONE			4	X
DRAWING NO. G-1				3	X
				2	X
				1	X
				REVISIONS	
				Eng. C.O.A. No. 3215 License No. 100000298 Landscaping L.L. No. 7143	
				A Full Service A & E Firm 8200 Ballard Road Jacksonville, FL 32246 Phone: 904.332.0989	



KEY MAP

SCALE: 1" = 800'

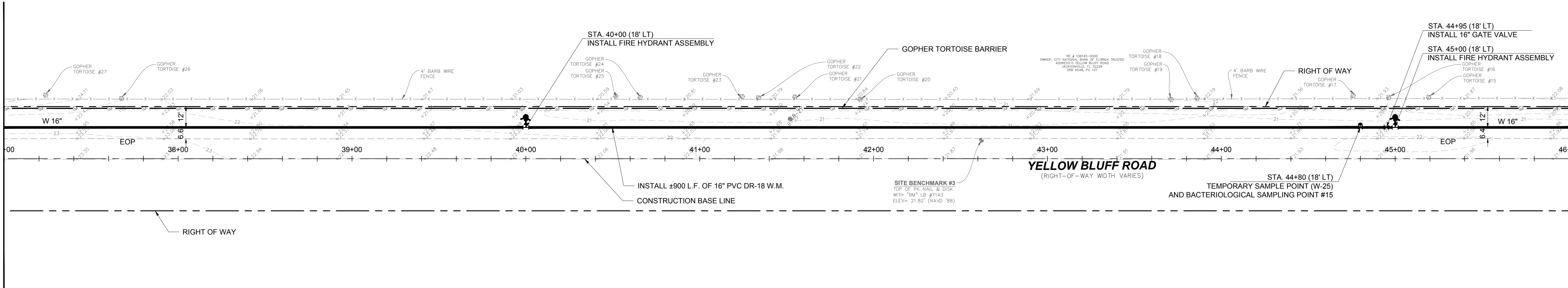


A Full Service A & E Firm 5200 Balford Road Jacksonville, FL 32256 Phone: 904.332.0999 Landscape Arch. Lic. No. AA2600926 Survey L.E. No. 7143 Landscape Lic. No. LC0000288 cph www.cphcorp.com NO. BY DATE 6. X X X 5. X X X 3. X X X 2. X X X 1. XXX 5/18/11 REVISED TITLE SHEET LAYOUT REVISIONS			JEA Building Community DESIGNER: COB DLS DATE: FEBRUARY 2017 CHECKED BY: NAU DATE: FEBRUARY 2017 DESIGN ENGINEER WADE P. OLSZEWSKI P.E. FLORIDA REGISTRATION NO. 54068			PROJ. NO. J6605 DATE: FEBRUARY 2017 SCALE: 1" = 800' NO. SHEETS 3 SHEET NO. G-2 YELLOW BLUFF ROAD - MARSHLAND DRIVE TO TISONS BLUFF ROAD - 16" WATER MAIN KEY MAP		
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Xrefs Attached= J6605-BASE [J:\J6605\Civil\DWG\Design\J6605-BASE.dwg]
J6605-SURBASE [J:\J6605\Civil\DWG\Design\J6605-SURBASE.dwg]

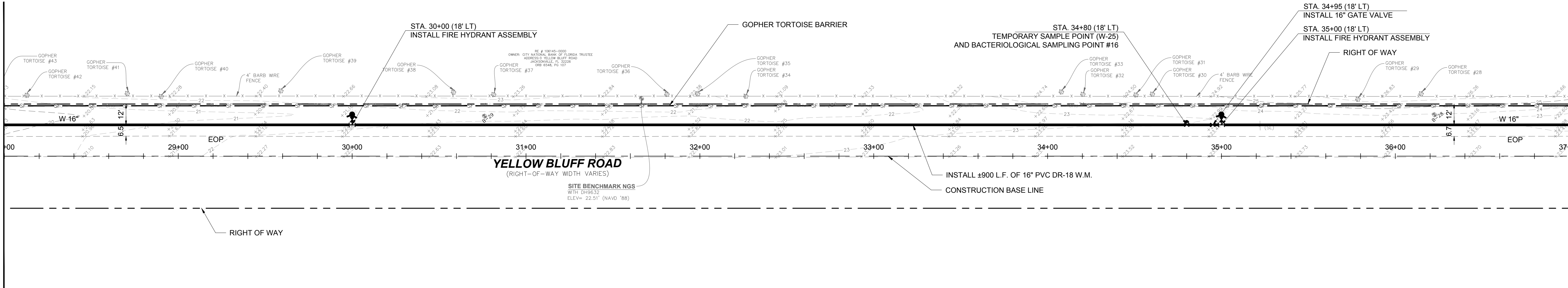
J:\J6605\Civil\DWG\Design\J6605-PLAN VIEWS.dwg Current Layout Tab = STA 28+00 TO STA 46+00 Thu Feb 09, 2017 15:32

MATCH LINE - STA: 37+00

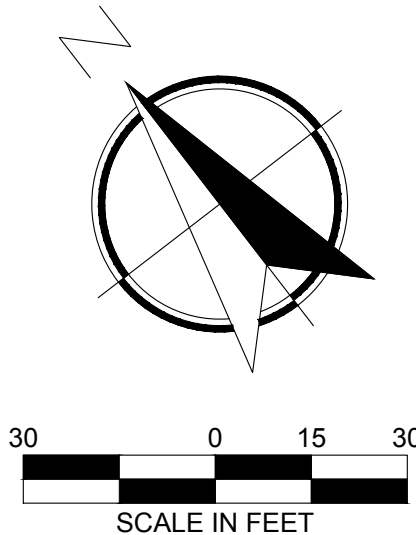


MATCH LINE - STA: 46+00

MATCH LINE - STA: 28+00



MATCH LINE - STA: 37+00



NO. SHEETS 15		PROJ. NO. J6605		YELLOW BLUFF ROAD - MARSHLAND DRIVE TO TISON'S BLUFF ROAD - 16" WATER MAIN PLAN VIEW STA: 28+00 TO 46+00		JEA Building Community		DESIGN ENGINEER WADE P. OLSZEWSKI P.E. FLORIDA REGISTRATION NO. 54068		www.cphcorp.com		www.cphcorp.com		REVISIONS	
SHEET NO. 5		DATE: FEBRUARY 2017		SCALE: 1" = 30'		DATE: FEBRUARY 2017		DATE: FEBRUARY 2017		NO.		BY		DATE	
DRAWING NO. C-2										6		X		X	
										5		X		X	
										3		X		X	
										2		XX		X	
										1		X		X	

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Phone: 904.332.0999

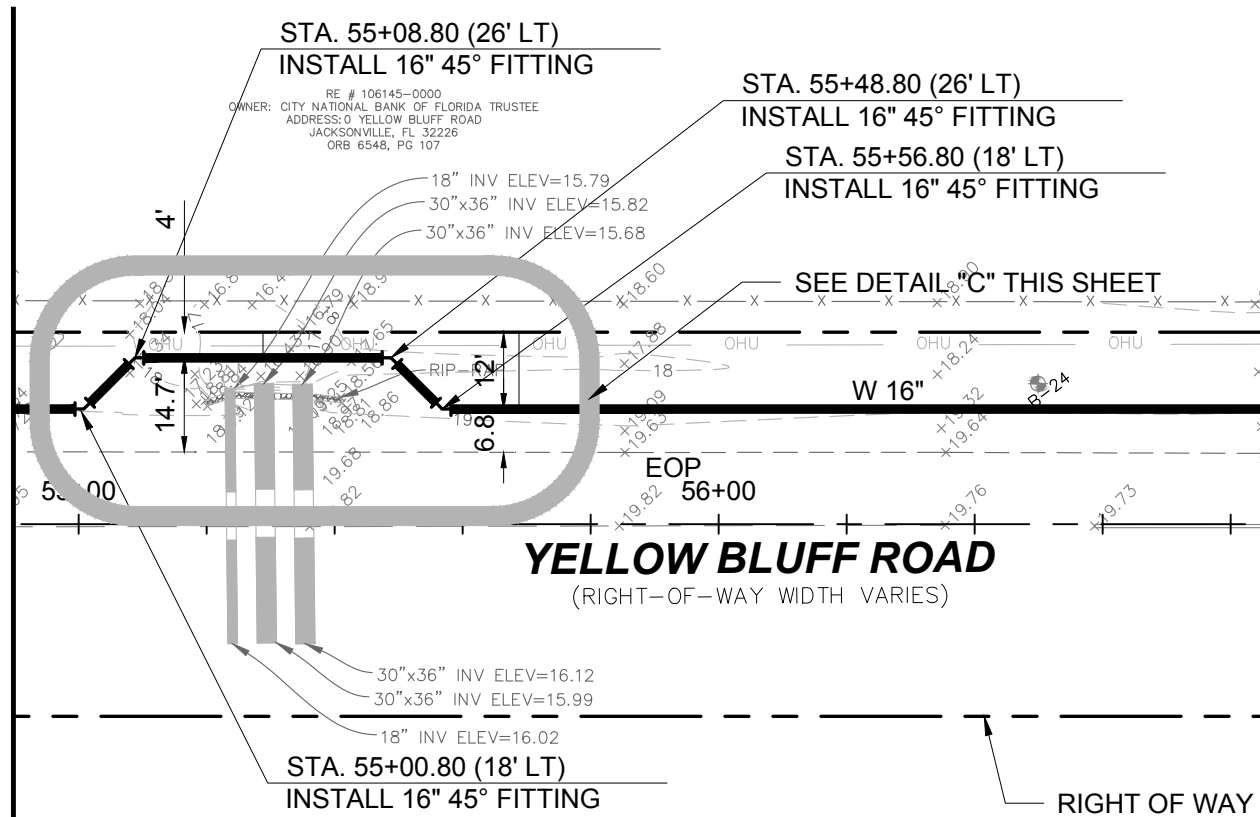
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Landscape Architecture
Eng. C.O.A. No. 3215
Survey L.S. No. 7143

License Arch. Lic. No. AA2600926
Landscape Lic. No. LC0000288

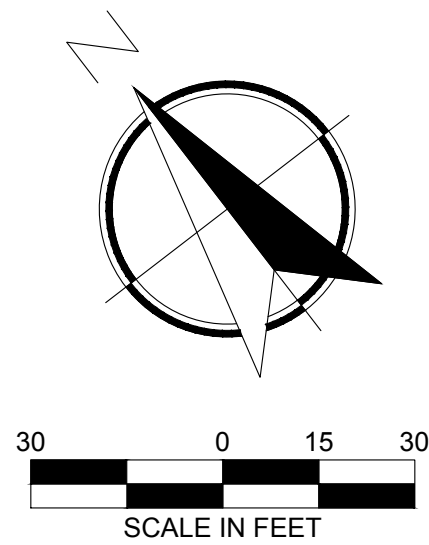
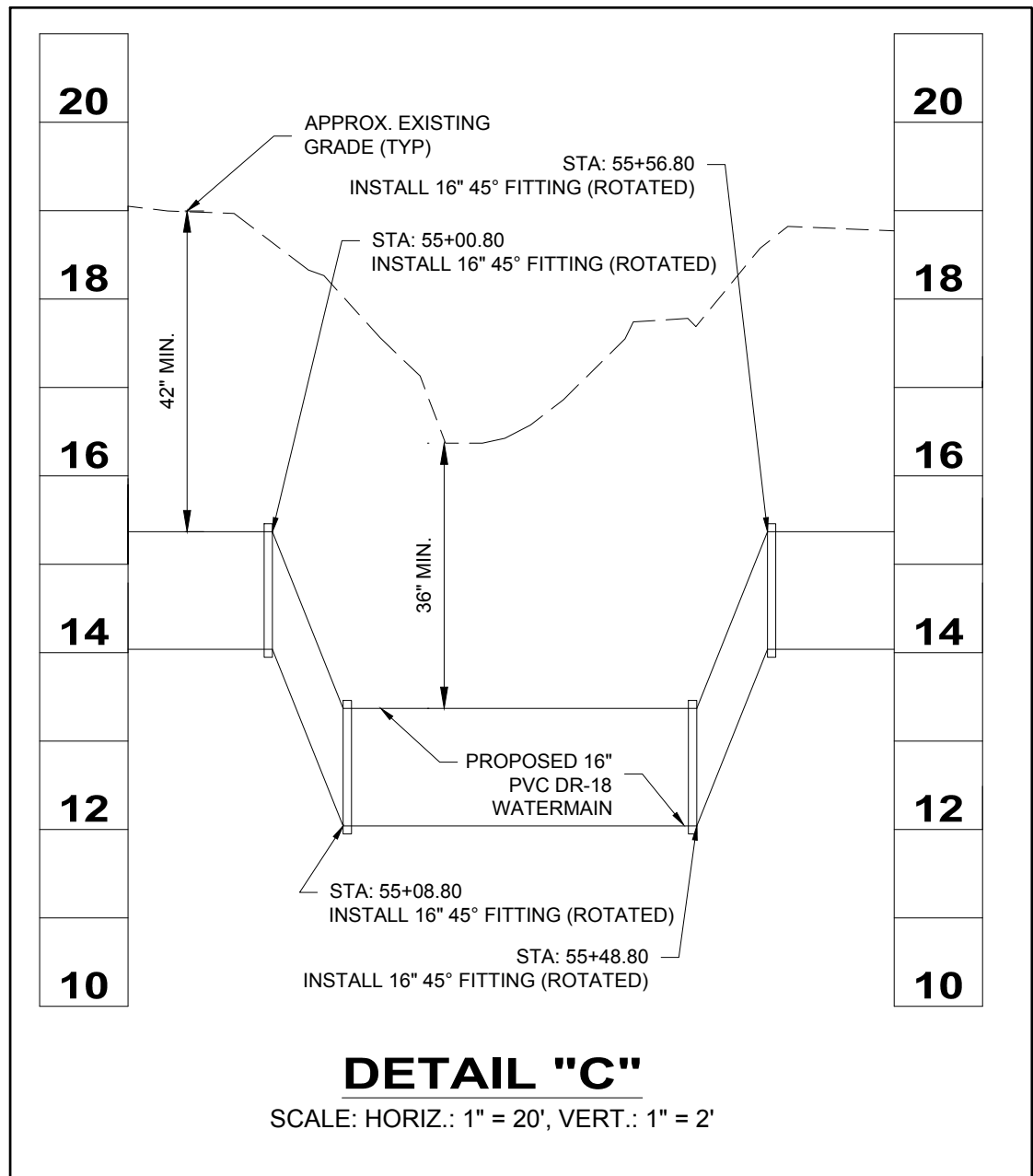
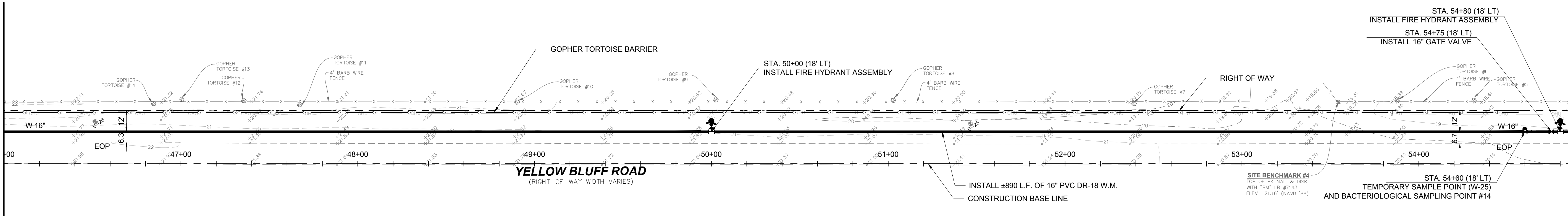
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J6605-SURBASE [J:\J6605\Civil\DWG\Design\J6605-SURBASE.dwg]

J:\J6605\Civil\DWG\Design\J6605-PLAN VIEWS.dwg Current Layout Tab = STA 46+00 TO STA 64+00 Thu Feb 09, 2017 15:33

MATCH LINE - STA: 54+90



MATCH LINE - STA: 46+00



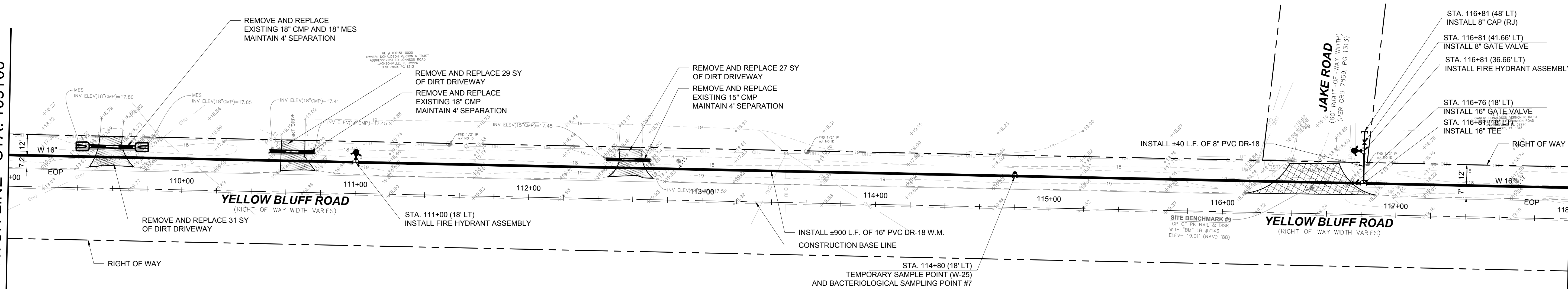
MATCH LINE - 50'											
YELLOW BLUFF ROAD - MARSHLAND DRIVE TO TISIONS BLUFF ROAD - 16" WATER MAIN PLAN VIEW STA: 46+00 TO 64+00							DESIGNER: COB				
PROJ. NO. J6605			DLS			FEBRUARY 2017			DESIGN ENGINEER WADE P. OLSZEWSKI P.E.		
DATE: FEBRUARY 2017			CHECKED BY: NAU			DATE: FEBRUARY 2017			FLORIDA REGISTRATION NO. 54068		
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DRAWING NO. C-3			SCALE: 1" =								

YELLOW BLUFF ROAD - MARSHLAND DRIVE TO
TISON'S BLUFF ROAD - 16" WATER MAIN
PLAN VIEW STA: 46+00 TO 64+00

JEA
Building Community

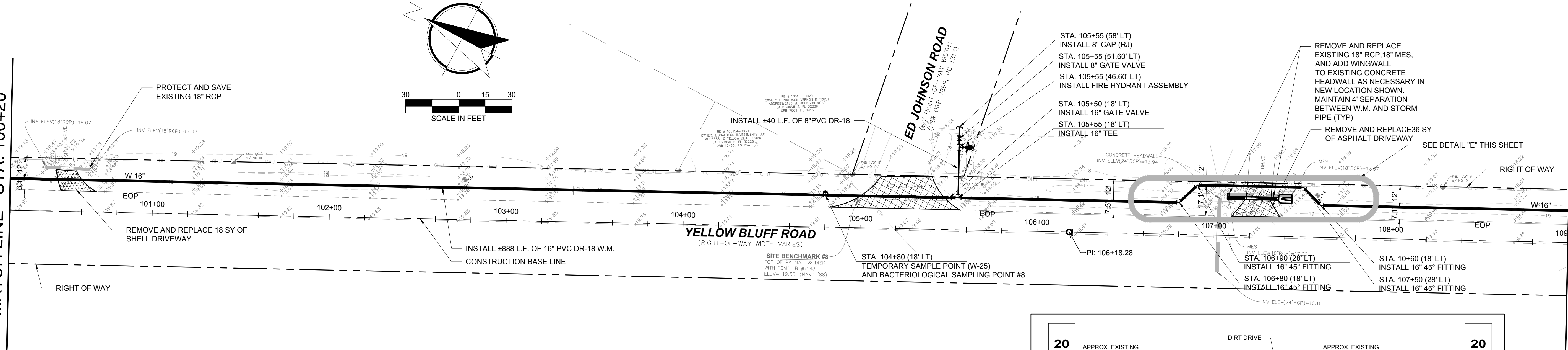


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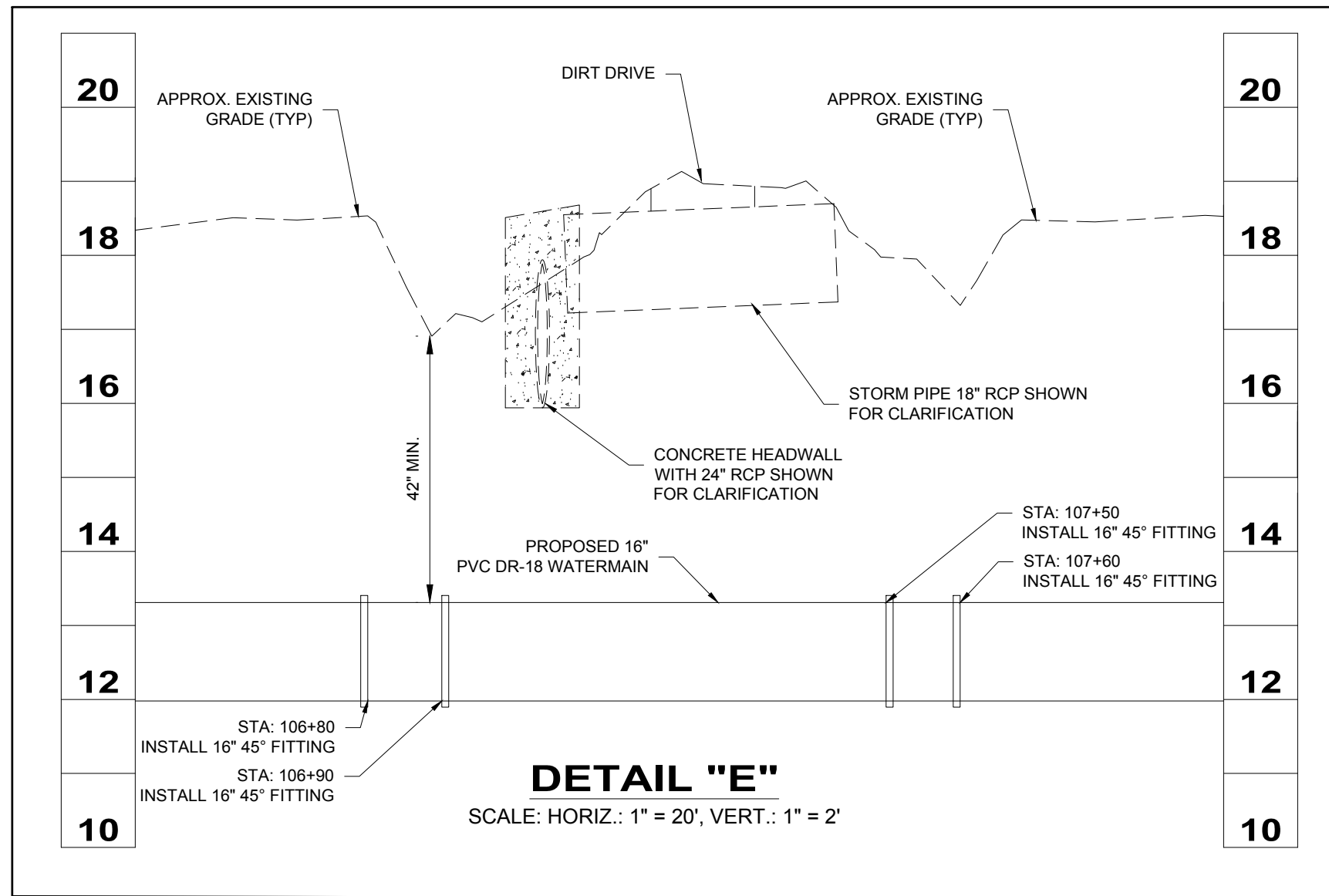


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MATCH LINE - STA: 100+20



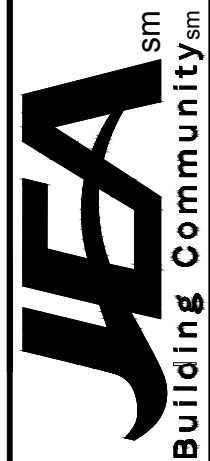
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SHEET NO.	9
DRAWING NO.	C-6

PROJ. NO.	J6605
DATE:	FEBRUARY 2017
SCALE:	1" = 30'

YELLOW BLUFF ROAD - MARSHLAND DRIVE TO
TISON'S BLUFF ROAD - 16" WATER MAIN
PLAN VIEW STA: 100+20 TO 118+00

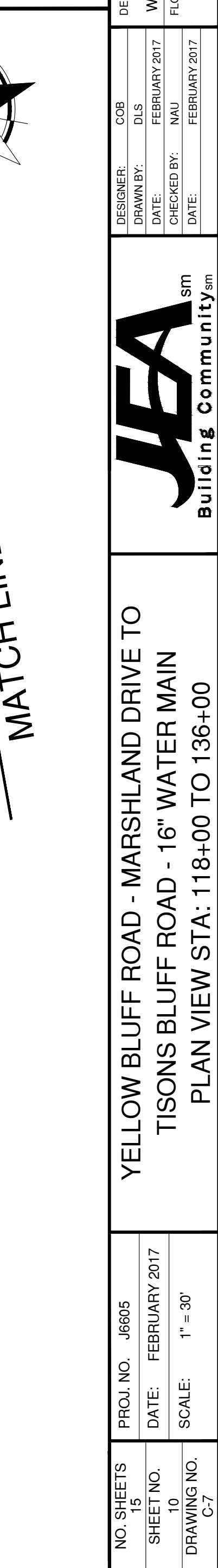
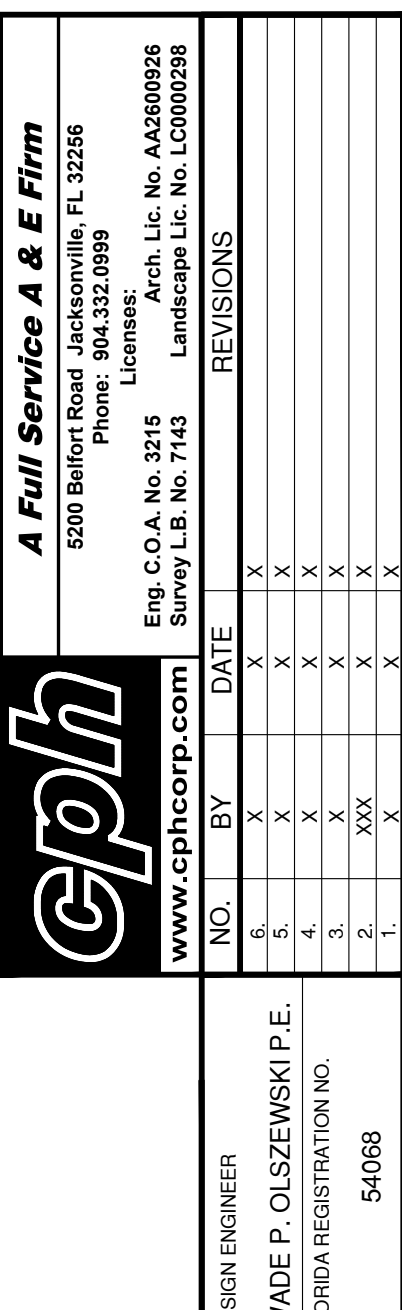


DESIGNER:	COB	DATE:	DESIGN ENGINEER
DRAWN BY:	DLS	FEBRUARY 2017	WADE P. OLSZEWSKI P.E.
CHECKED BY:	NAU	FEBRUARY 2017	FLORIDA REGISTRATION NO.
DATE:			54068

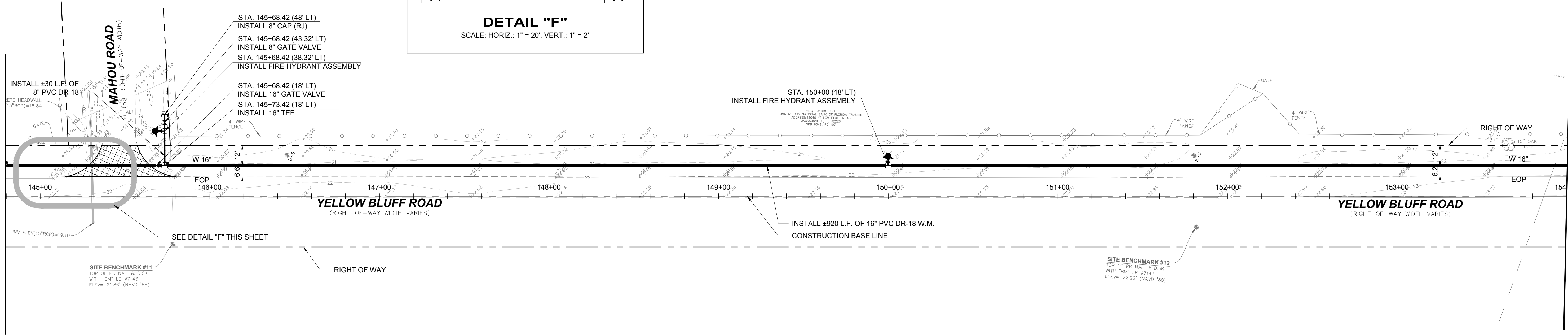
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1	X	X	X

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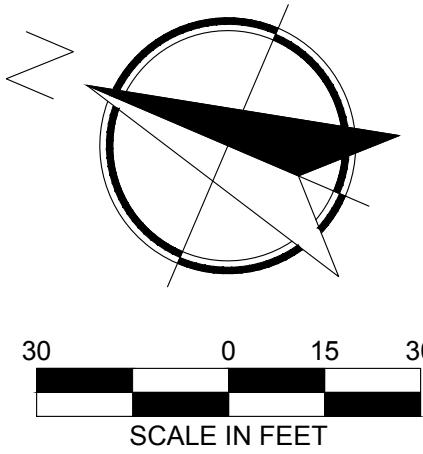
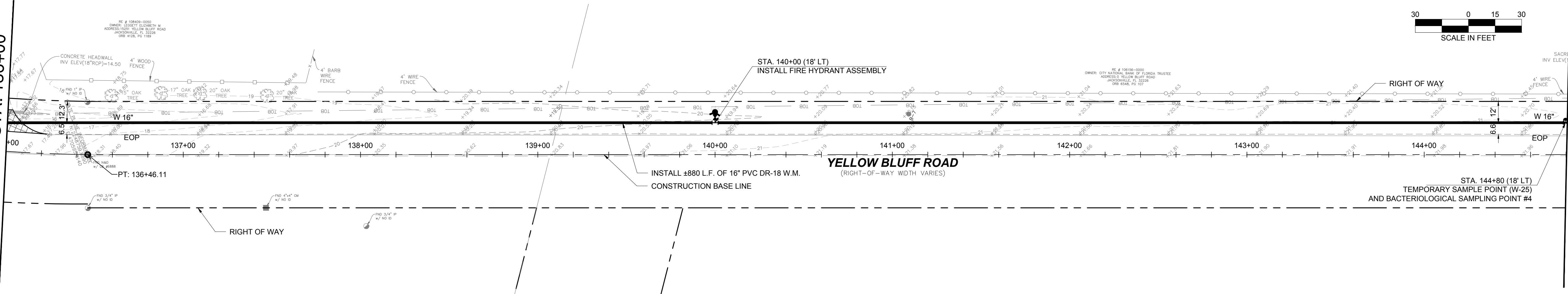
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5200 Ballant Road Jacksonville, FL 32256
Phone: 904.332.0999
License: Arch. Lic. No. AA2600926
Survey Lic. No. LC0000298



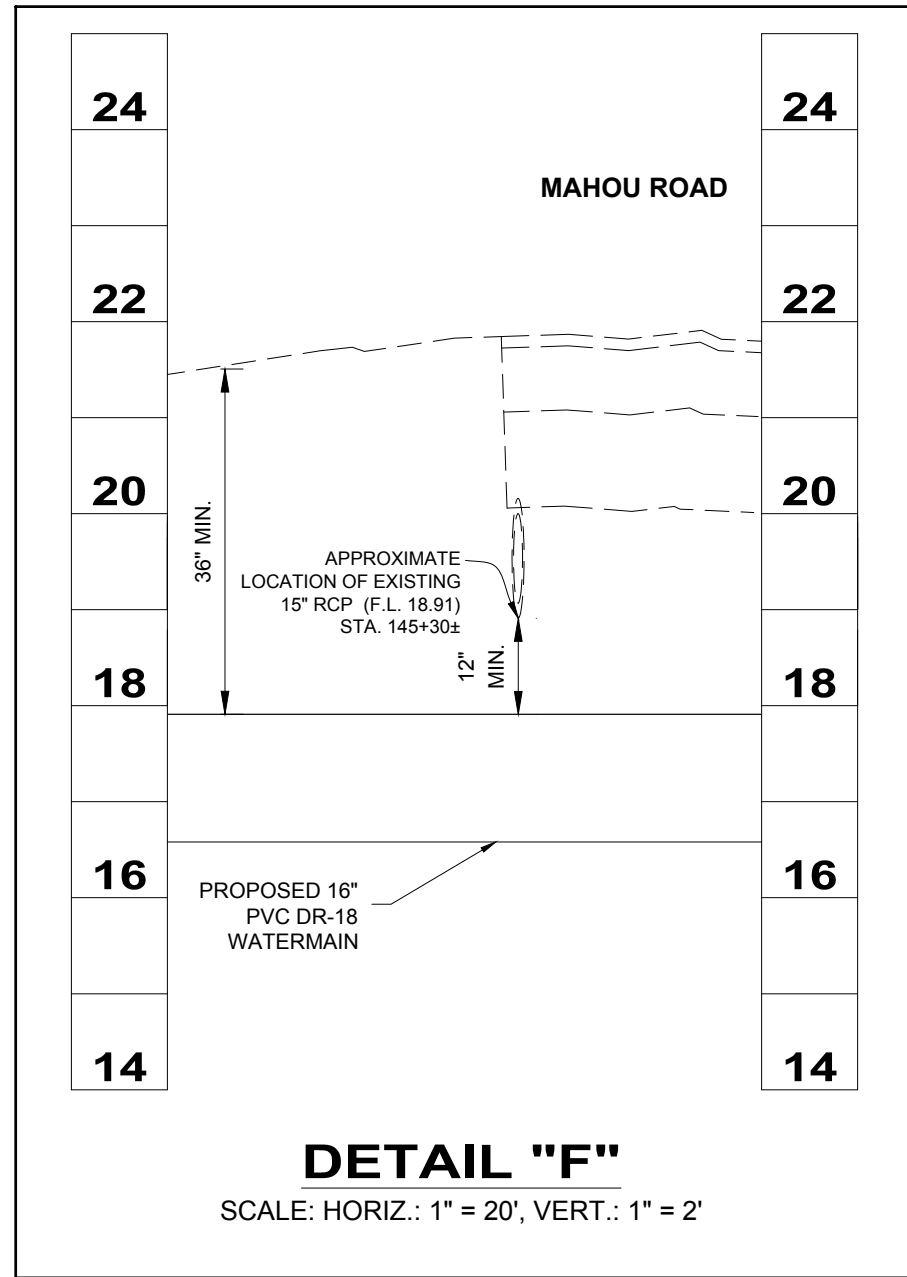
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MATCH LINE - STA: 136+00



MATCH LINE - STA: 144+80

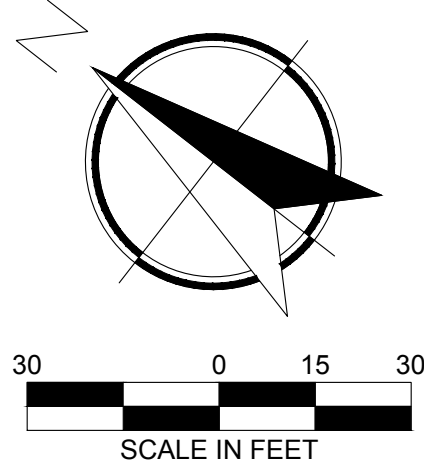
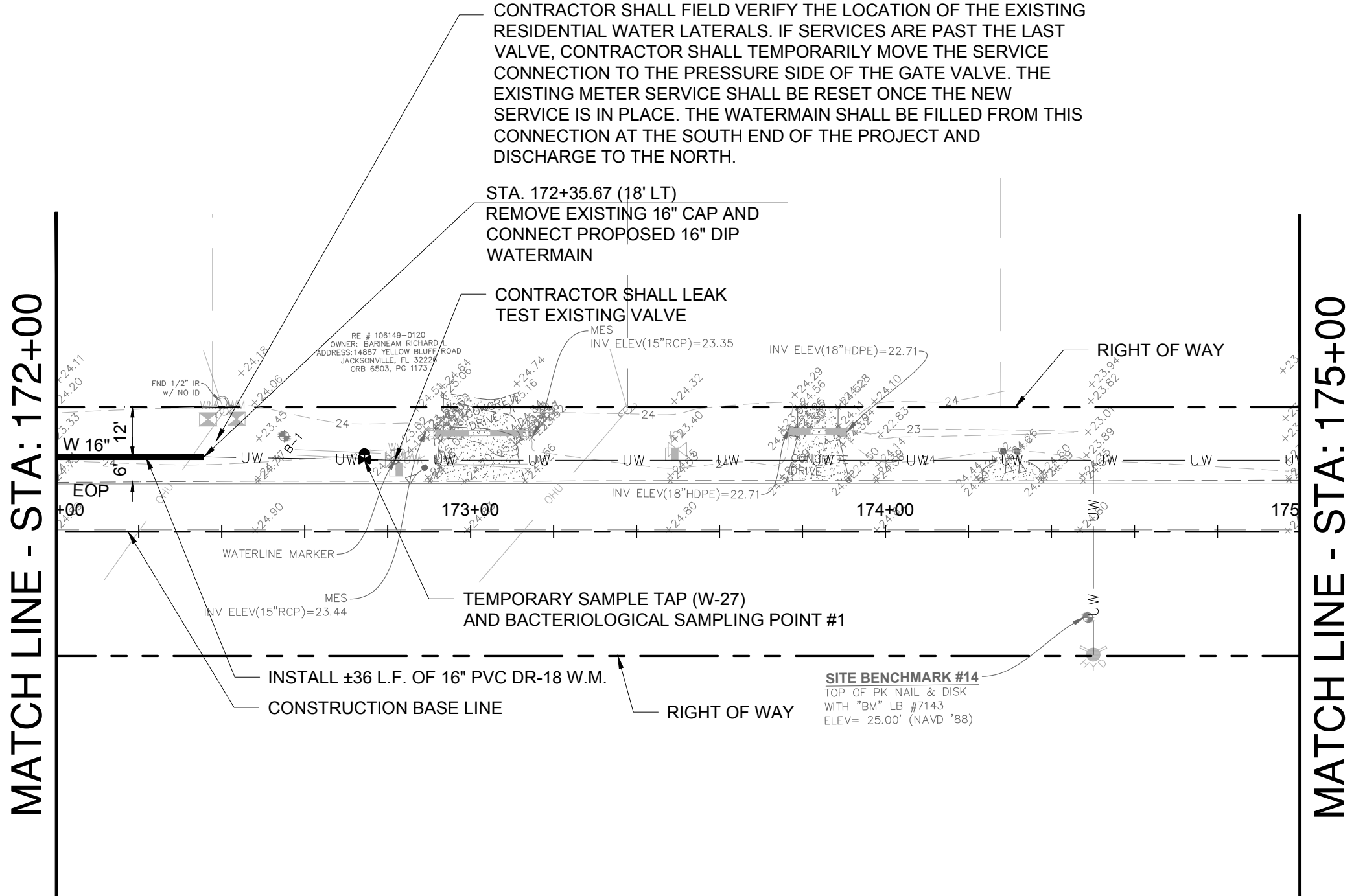


MATCH LINE - STA: 154+00

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DESIGNER: CPH				DESIGN ENGINEER: WADE P. OLSZEWSKI P.E.			
DRAWN BY: DLS				DATE: FEBRUARY 2017			
CHECKED BY: NAU				DATE: FEBRUARY 2017			
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SHEET NO.: 11				DATE: FEBRUARY 2017			
DRAWING NO.: C-8				SCALE: 1" = 30'			
NO. BY DATE				REVISIONS			
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6. X				6. X			



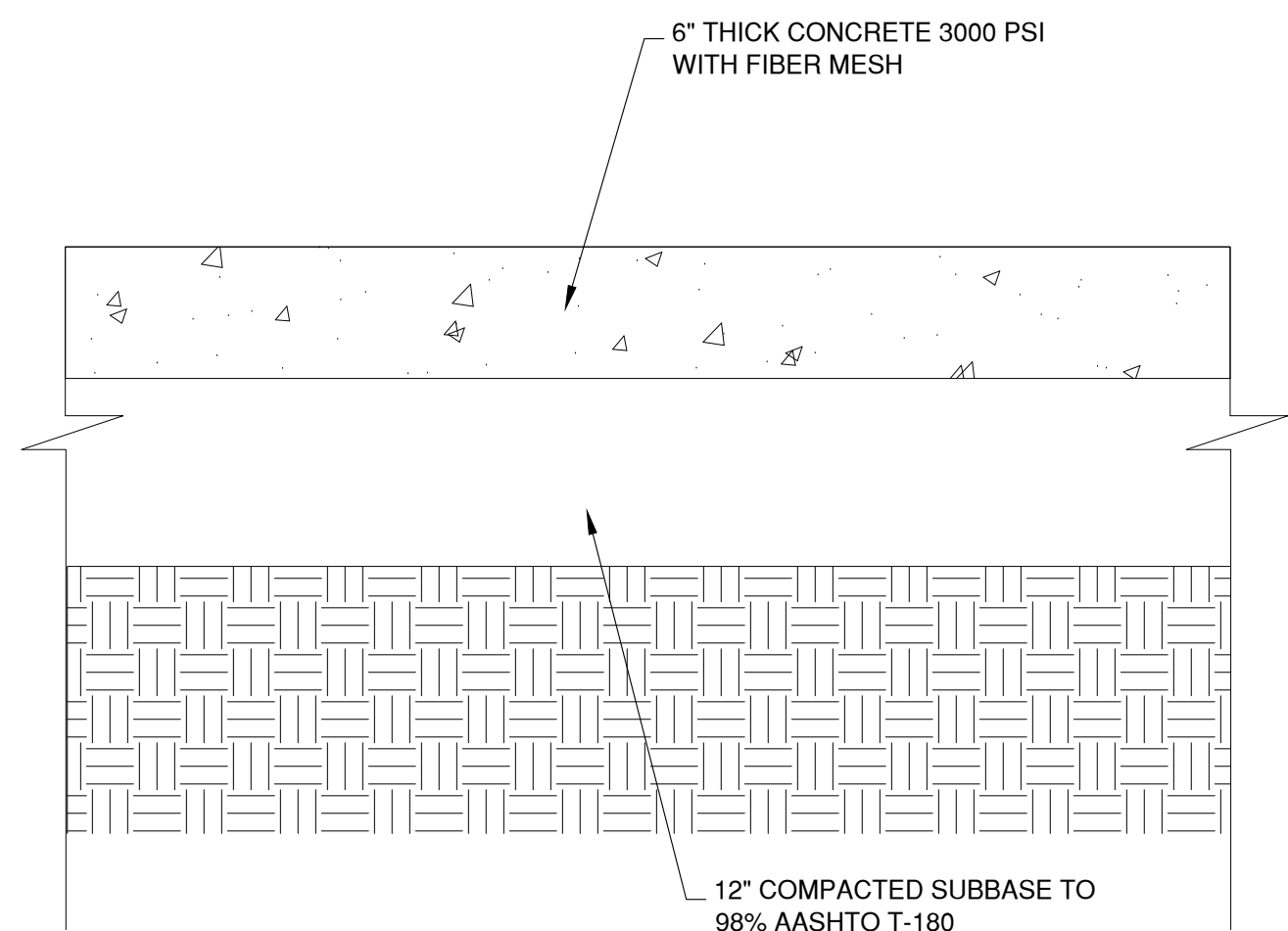
YELLOW BLUFF ROAD - MARSHLAND DRIVE TO
TISON'S BLUFF ROAD - 16" WATER MAIN
PLAN VIEW STA: 136+00 TO 154+00



NO. SHEETS 15 SHEET NO. DRAWING NO. C-10			PROJ. NO. J6605 DATE: FEBRUARY 2017 SCALE: 1" = 30'			YELLOW BLUFF ROAD - MARSHLAND DRIVE TO TISON'S BLUFF ROAD - 16" WATER MAIN PLAN VIEW STA: 172+00 TO 175+00						DESIGNER: COB DRAWN BY: DLS CHECKED BY: DATE: FEBRUARY 2017			DESIGN ENGINEER WADE P. OLSZEWSKI P.E. FLORIDA REGISTRATION NO. 54068			NO. BY DATE 6. X X X 4. X X X 3. X X X 2. X X X 1. X X X			www.cphcorp.com  A Full Service A & E Firm 5200 Ballant Road Jacksonville, FL 32256 Phone: 904.332.0999 Licensee: Eng. C.O.A. No. 3215 Lic. No. AA2600926 Survey L.B. No. 7143 Landscape Lic. No. LC0000298		
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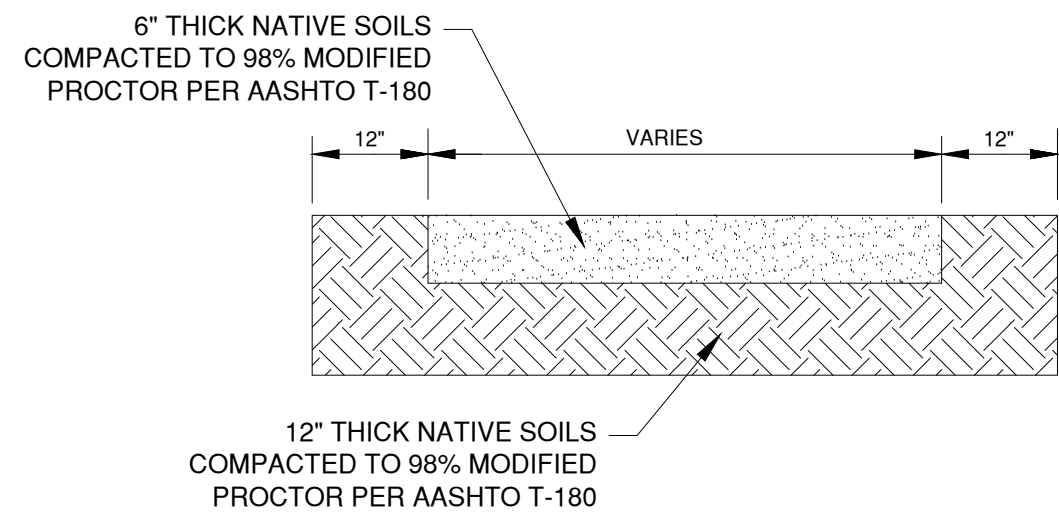


YELLOW BLUFF ROAD - MARSHLAND DRIVE TO
TISONS BLUFF ROAD - 16" WATER MAIN
PLAN VIEW STA: 172+00 TO 175+00

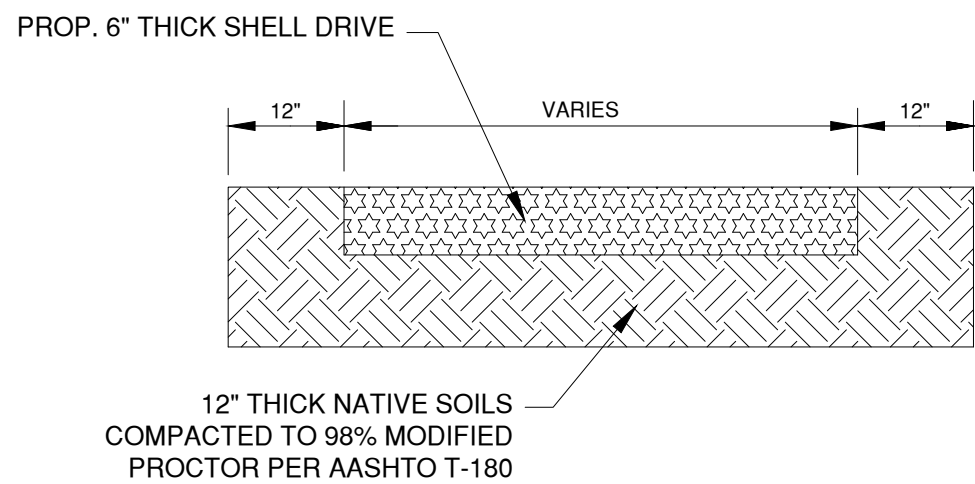


NOTE:
1. PROVIDE LONGITUDINAL (LJ), CONTRACTION (CJ) AND EXPANSION JOINTS (EJ) PER FDOT INDEX 305.

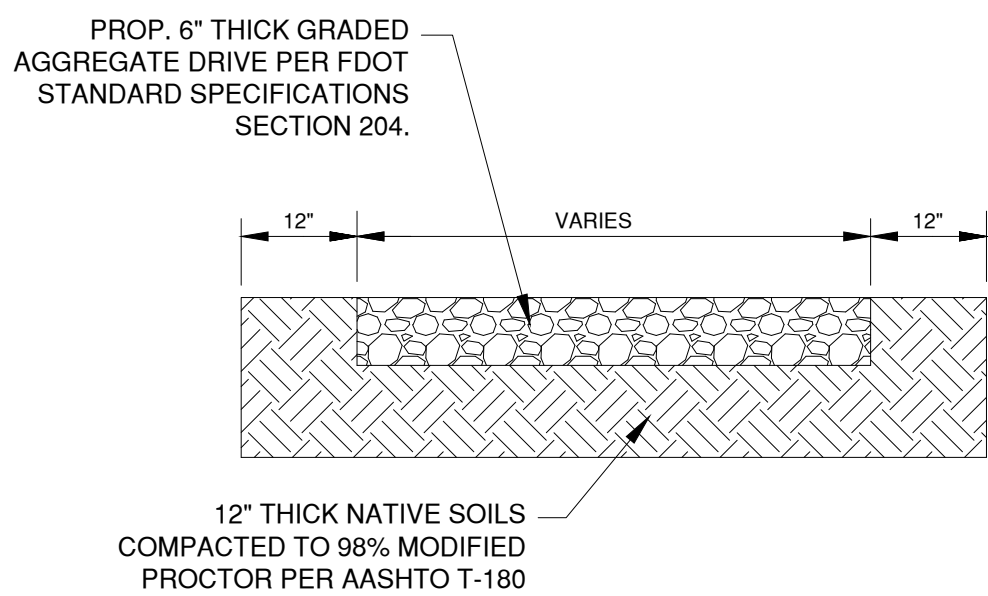
TYPICAL CONCRETE DRIVEWAY
NOT TO SCALE



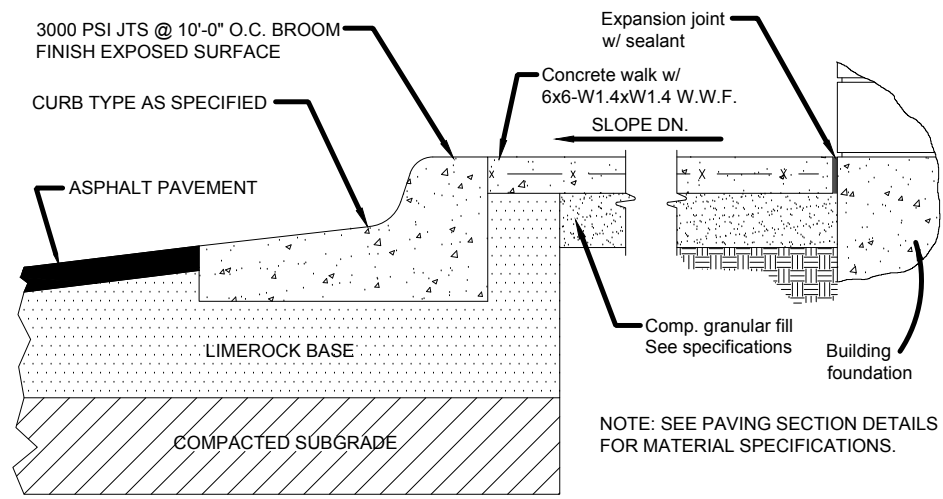
TYPICAL DIRT DRIVEWAY
NOT TO SCALE



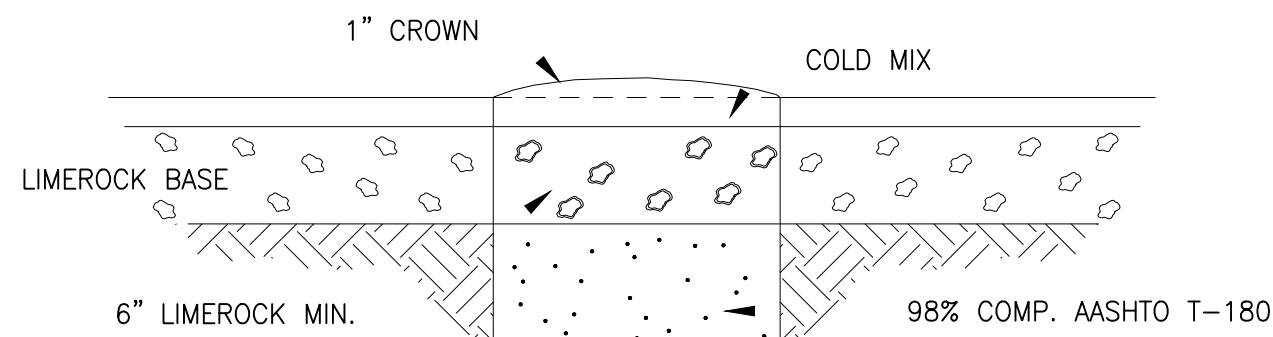
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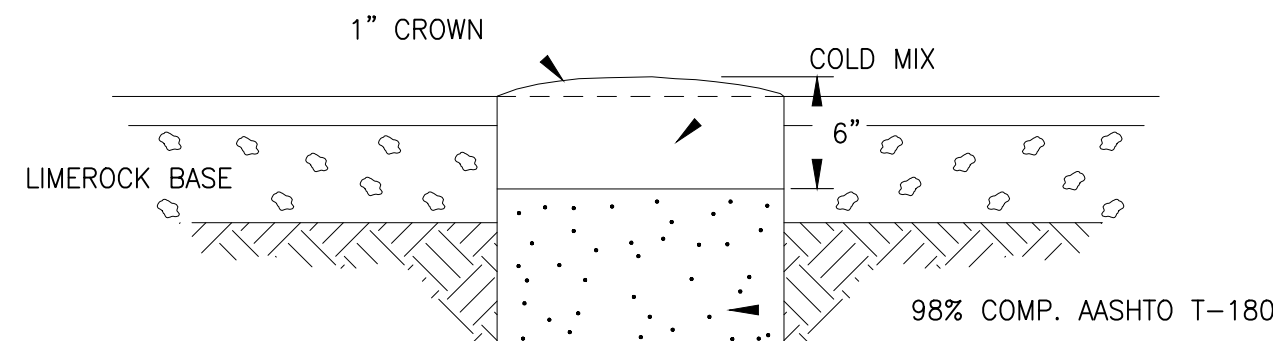
TYPICAL GRAVEL DRIVEWAY
NOT TO SCALE



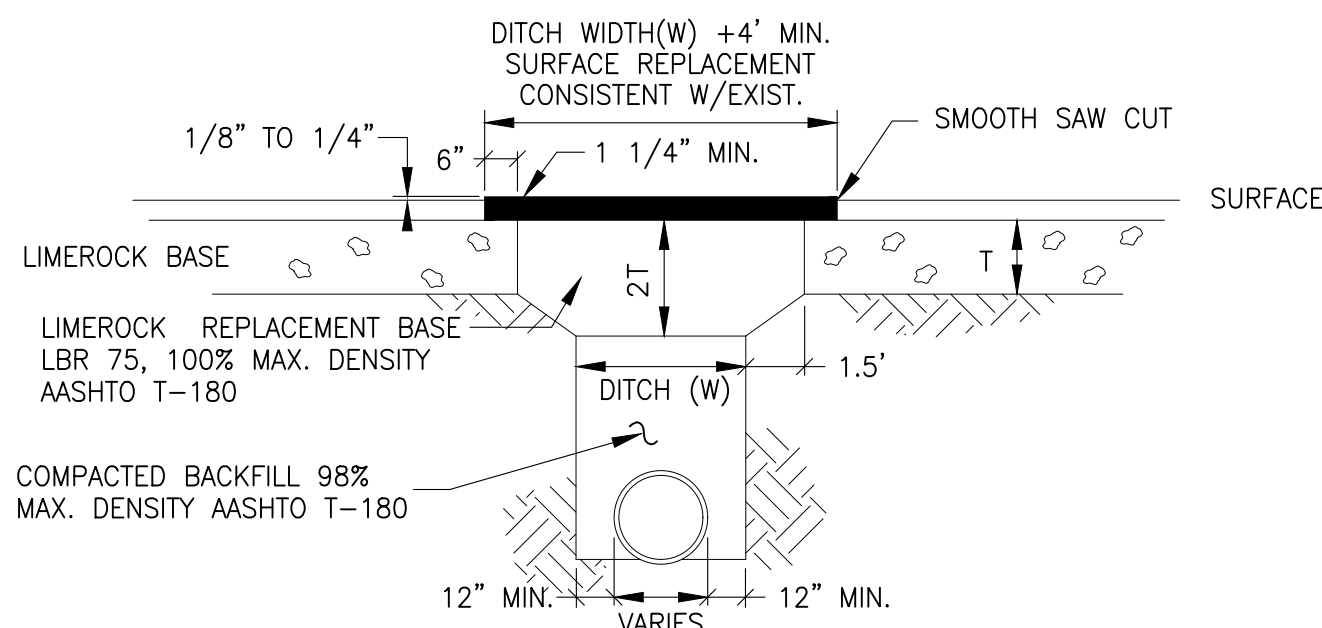
TYPICAL WALK SECTION
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TEMPORARY TYPE I REPAIR



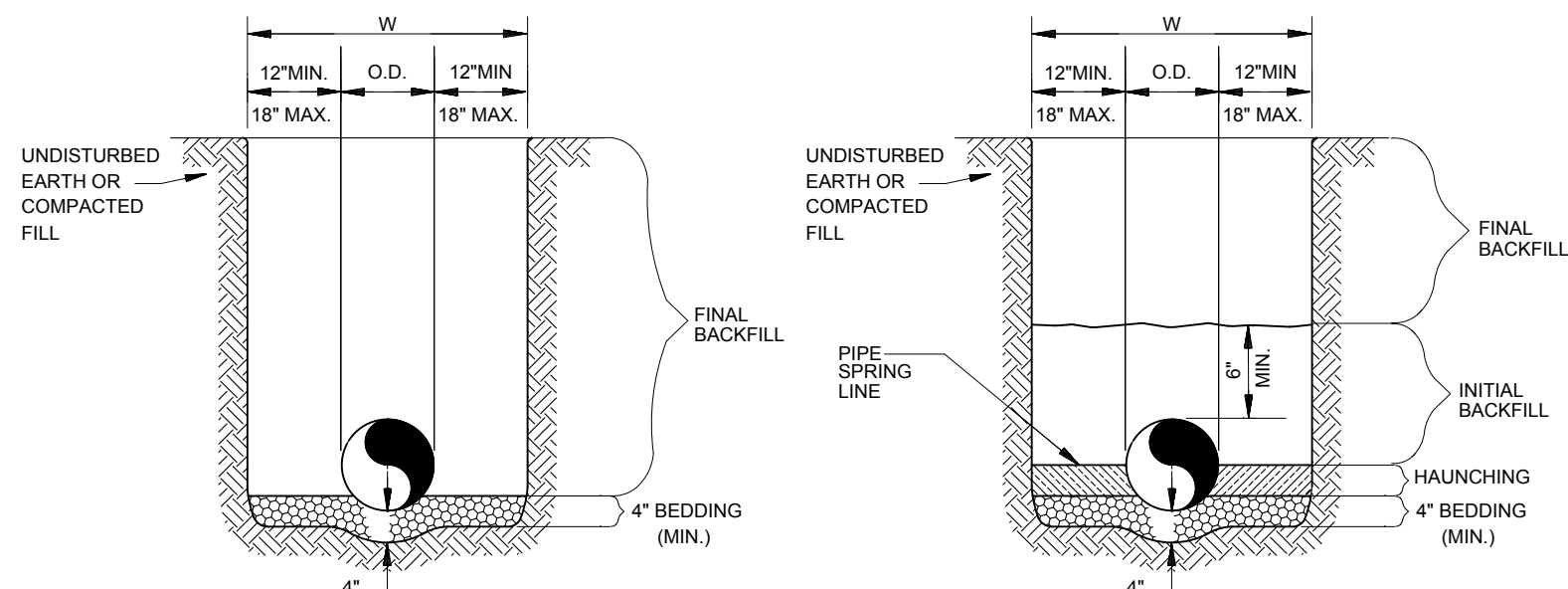
TEMPORARY TYPE II REPAIR



PERMANENT REPAIR

NOTE: IN SOME CASES PORTLAND CEMENT CONCRETE MAY BE CONSIDERED OR REQUIRED BY CITY ENGINEER FOR SURFACE REPLACEMENT.

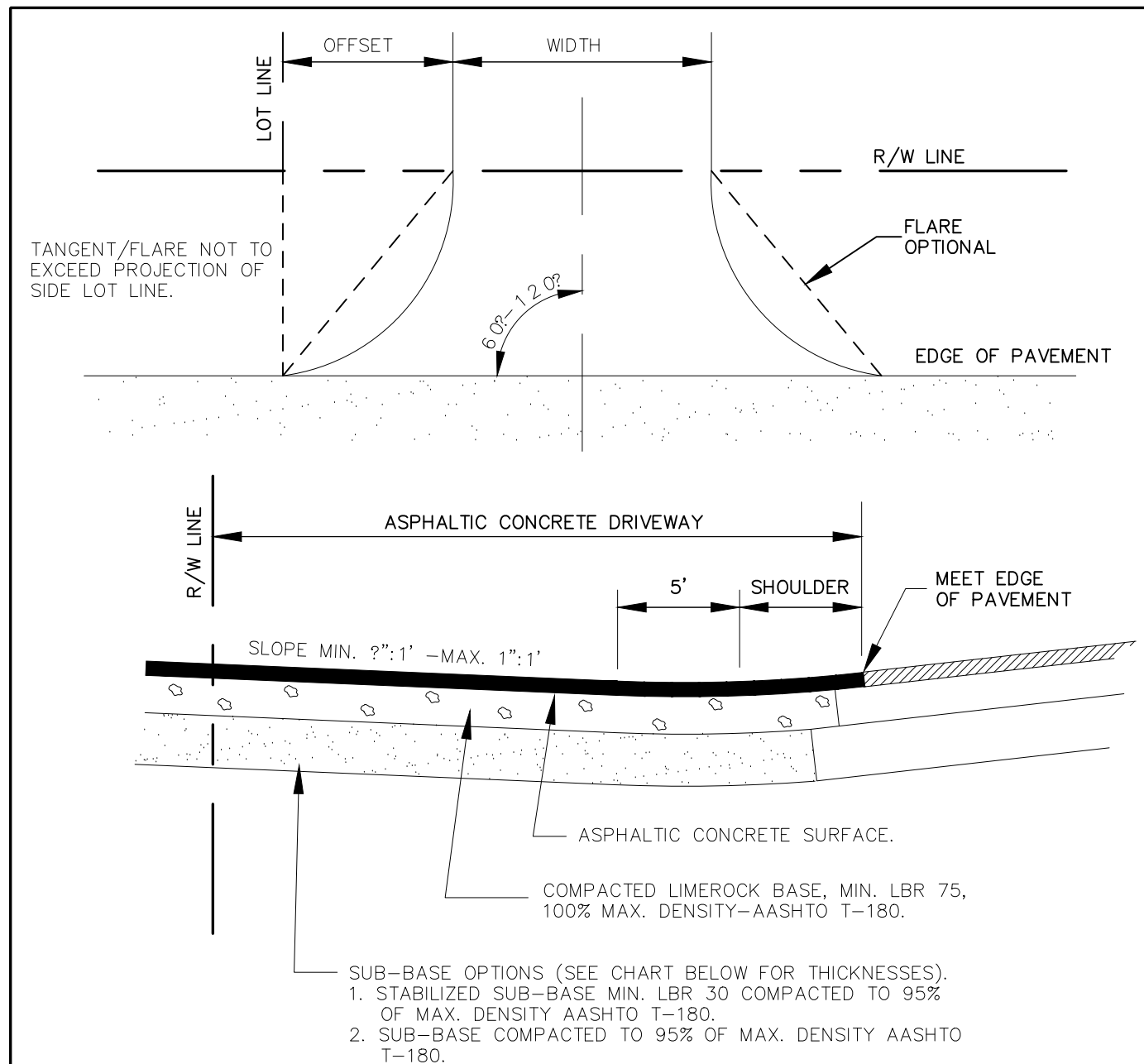
CASE X
STANDARD PAVING REPAIR DETAILS



REINFORCED CONCRETE PIPE (RCP)
AND SPIRAL RIB PIPE
SMALLER THAN 60"Ø

- GENERAL NOTES
- BEDDING SHALL BE CLASS I-A WORKED BY HAND IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR.
 - HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
 - INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
 - INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
 - FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
 - FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 85% STANDARD PROCTOR.
 - ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
 - ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 6" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS II AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
 - FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
 - ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

STORM SEWER
TRENCH AND BEDDING
NOT TO SCALE



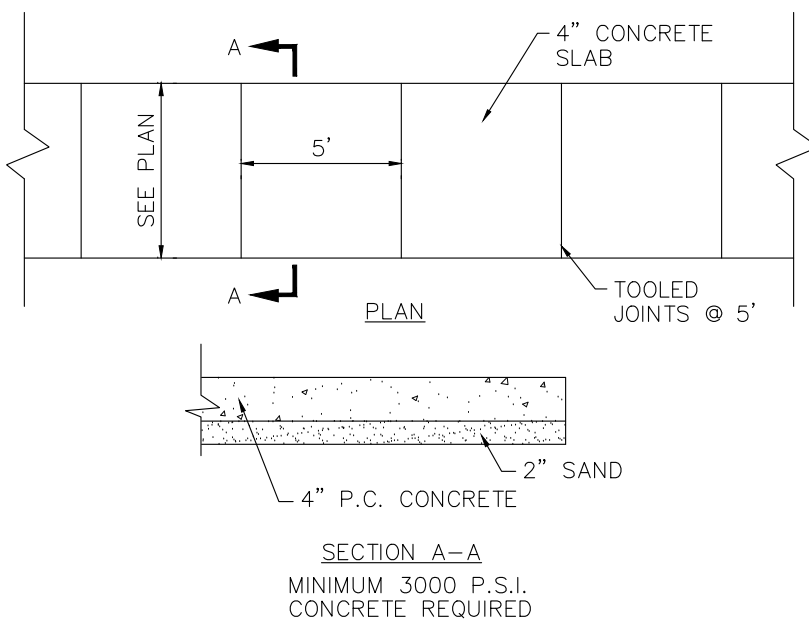
- ALL DRIVEWAYS CONSTRUCTED WITHIN CITY MAINTAINED RIGHT-OF-WAYS SHALL CONFORM TO CITY STANDARDS. A PERMIT MUST BE ISSUED BY THE DEPARTMENT OF PUBLIC WORKS FOR ALL SUCH WORK.
- ALL MATERIALS SHALL CONFORM TO CITY STANDARDS.
- ALL DRIVEWAYS CONSTRUCTED WITHIN STATE MAINTAINED RIGHT-OF-WAYS SHALL CONFORM TO D.O.T. STANDARDS.

DRIVEWAY TYPE	MIN. WIDTH	MAX. WIDTH	PAVEMENT OPTION #1			PAVEMENT OPTION #2			MIN. RADIUS	MIN. OFFSET	OPTIONAL FLARE
			ASPHALT	LIMEROCK	STABILIZED SUB-BASE	ASPHALT	LIMEROCK	STABILIZED SUB-BASE			
CLASS I RESIDENTIAL	8'	24'	1"	6"	6"	1"	8"	4"	3'	3'	3'
CLASS II COMMERCIAL	24'	36'	1"	6"	12"	1"	8"	6"	30'	30'	7'
CLASS III HIGH VOLUME	24'	36'	1"	8"	12"	1"	12"	12"	30'	30'	N/A

STANARD ASPHALTIC
CONCRETE DRIVEWAY

CITY OF
JACKSONVILLE
STANDARD

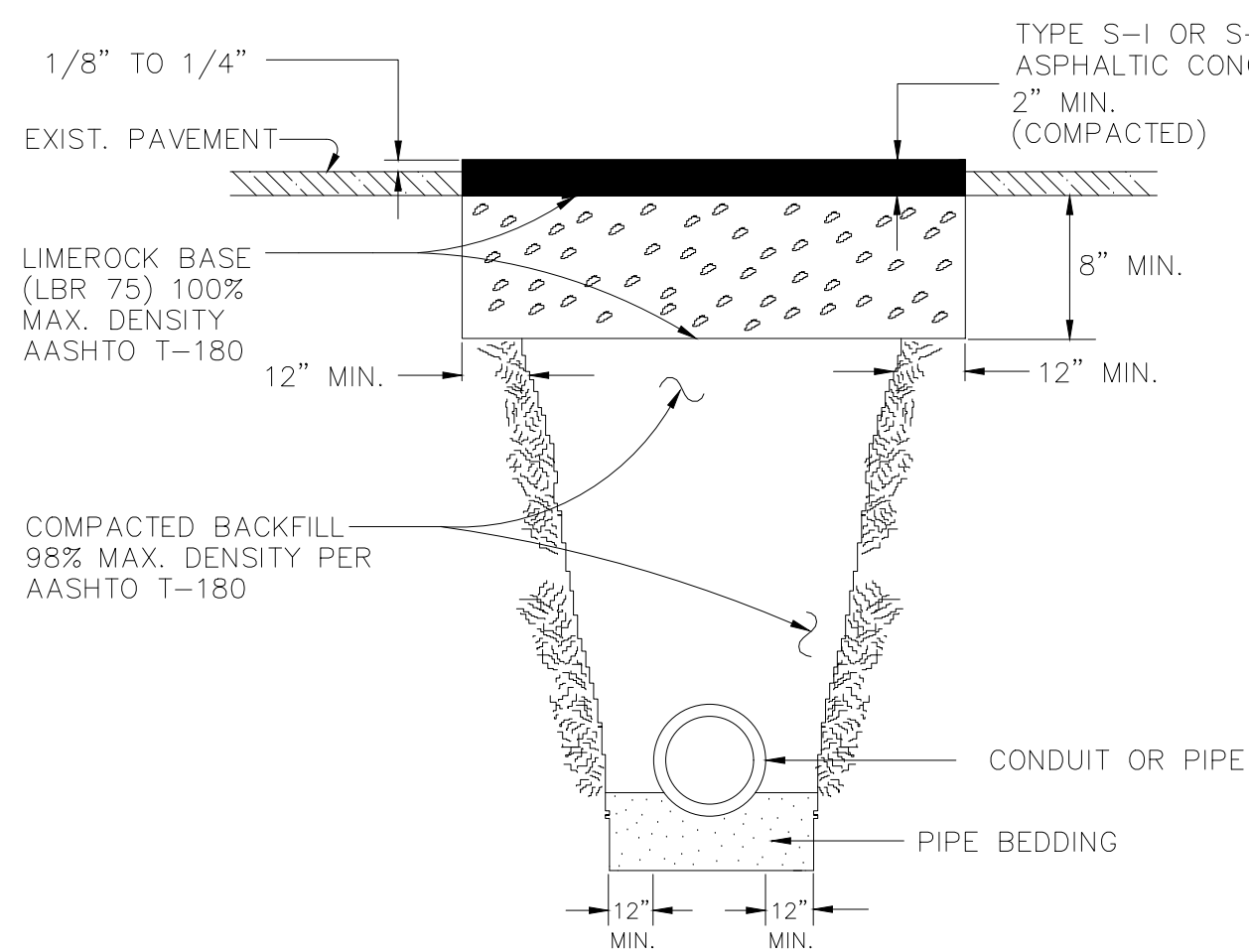
N.T.S.	PLATE P-204
DATE DRAWN	11-19-81
REVISED DATE	10-9-97



- NOTES:
- 3/4"x4" PREMOLDED EXPANSION MATERIALS AROUND P.P. OR OTHER STRUCTURES IN WALK.
 - EXPANSION JOINTS MAXIMUM DISTANCE = 100', USED 3/4"x4" PREMOLDED EXPANSION MATERIAL.
 - CONTRACTION JOINTS MAXIMUM DISTANCE = 21', SAW CUT 2" DEEP AND FILL WITH HOT POURED SEALER.
 - SAW CUT JOINTS WITHIN 24 HOURS.

CONCRETE SIDEWALK DETAIL
NOT TO SCALE

CASE I



NOTE:
METHOD AND MATERIALS OF REPAIR SUBJECT TO
CITY OF JACKSONVILLE CONSTRUCTION REQUIREMENTS
FOR NEW PAVEMENT TYPE S-I OR S-III ASPHALT.

STANDARD PAVING
REPAIR DETAIL

CITY OF
JACKSONVILLE
STANDARD

N.T.S.	PLATE P-402
DATE DRAWN	DEC.1971
REVISED DATE	APRIL 1980

A Full Service A & E Firm
5200 Balford Road Jacksonville, FL 32256
Phone: 904.332.0999
License: Arch. Lic. No. AA2600926
Survey Lic. No. 7143
Landscape Lic. No. LC0000288

cph
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NO.	BY	DATE	REVISIONS
1.	X	X	X
2.	X	X	X
3.	X	X	X
4.	X	X	X
5.	X	X	X
6.	X	X	X

DESIGNER:	COB:	DESIGN ENGINEER:
DRAWN BY:	DLS:	WADE P. OLSZEWSKI P.E.
CHECKED BY:	NAU:	FLORIDA REGISTRATION NO.
DATE:	DATE:	54068

JEA
Building Community

YELLOW BLUFF ROAD - MARSHLAND DRIVE TO
TISONS BLUFF ROAD - 16" WATER MAIN
CIVIL DETAILS

PROJ. NO.	56605
DATE:	FEBRUARY 2017
SCALE:	NONE
NO. SHEETS	15
SHEET NO.	14
DRAWING NO.	C-11

