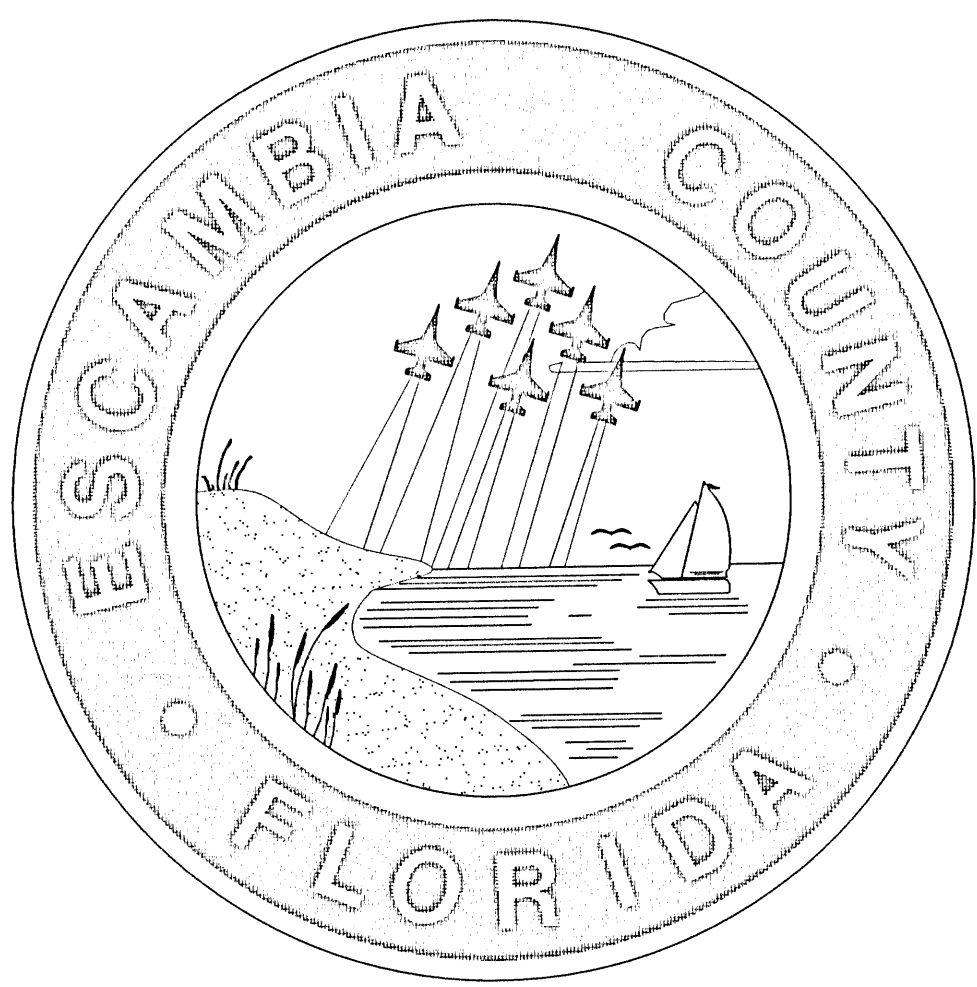
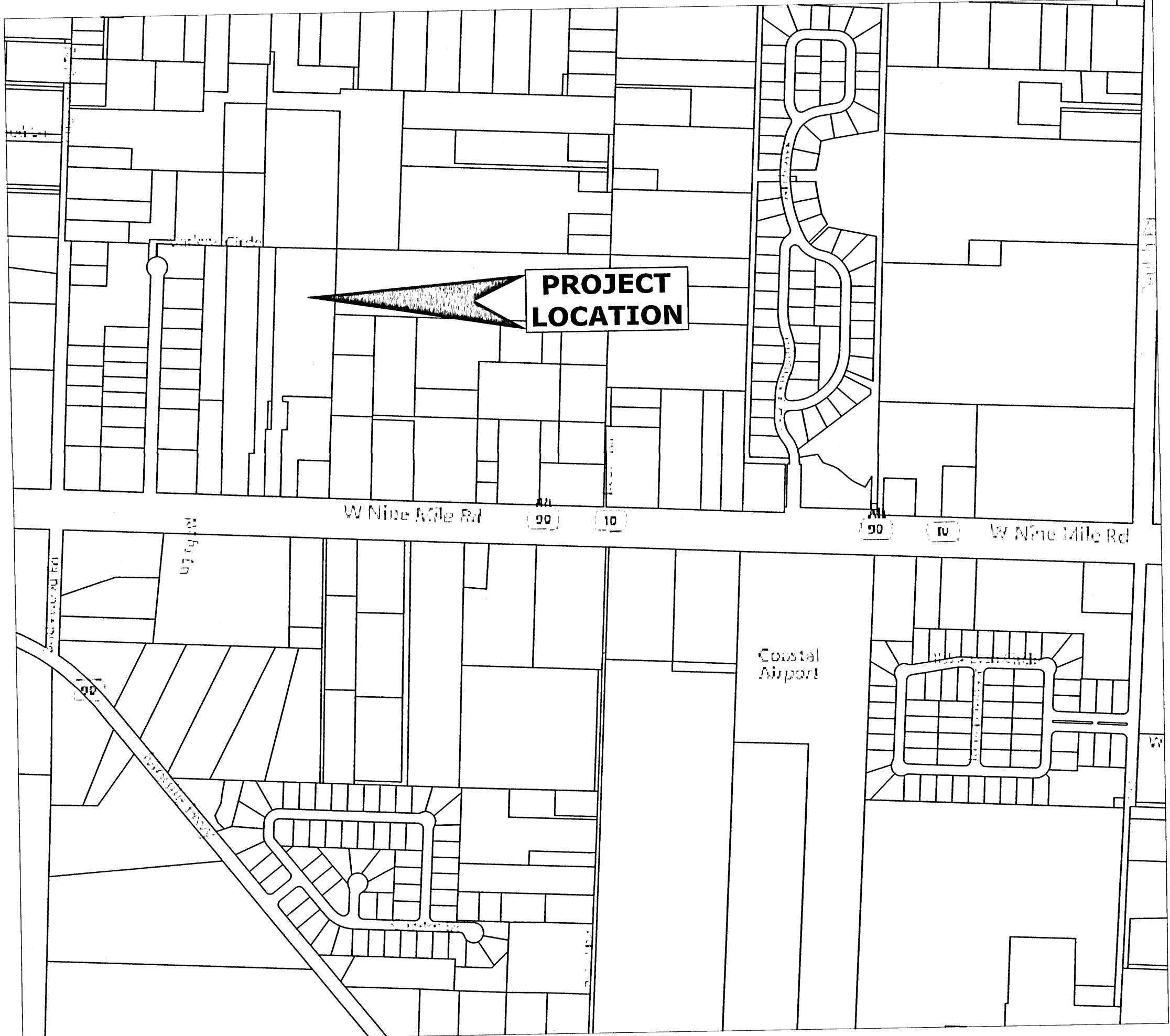


PERMITTING PLANS
FOR
BEULAH FIRE STATION



Approved
ESCAMBIA COUNTY DEPT PLAN REVIEW
DRC Chairman Signature: [Signature] Date: 1-19-22
Printed Name: Jonathan Hampton
Development Services Director of Escambia
This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.



ENGINEER:
MUNICIPAL ENGINEERING SERVICES, INC.
8574 TURKEY BLUFF ROAD
NAVARRE, FLORIDA 32566
CONTACT: DALE E. LONG, PE, LEED AP
PHONE: (850) 939-5732
EMAIL: dlong@mesi-fl.com

OWNER/DEVELOPER:
ESCAMBIA COUNTY FACILITIES MANAGEMENT
100 E. BLOUNT ST.
PENSACOLA, FL 32501
CONTACT: MR. GEORGE BUSH
PHONE : (850) 595-4900
EMAIL: gcbush@myescambia.com

SITE INFORMATION:
STREET ADDRESS: 6400 W. NINE MILE RD
PARCEL ID: 06-1S-31-3304-000-000
PARCEL ZONING: LDR
PARCEL FUTURE LAND USE: MU-S
PROPOSED USE: FIRE STATION
PARCEL SIZE: 6.01 ACRES

SHEET INDEX

C-000	COVER SHEET, SHEET INDEX & LOCATION MAP
C-001	GENERAL NOTES
C-002	GENERAL NOTES & LEGEND
C-003	EROSION & SEDIMENT CONTROL NOTES & DETAILS
C-100	FDOT 1320' AERIAL EXHIBIT
C-101	EXISTING CONDITIONS (BEULAH)
C-201	DEMOLITION AND EROSION CONTROL PLAN (BEULAH)
C-301	SITE PLAN (NORTH END OF SITE)(BEULAH)
C-302	SITE PLAN (SOUTH END OF SITE)(BEULAH)
C-303	CONCRETE JOINT PLAN (BEULAH)
C-401	GRADING AND DRAINAGE PLAN (NORTH END OF SITE)(BEULAH)
C-402	GRADING AND DRAINAGE PLAN (SOUTH END OF SITE)(BEULAH)
C-403	STORMWATER POND GEOMETRY AND SECTIONS (BEULAH)
C-404	STORMWATER POND DETAILS
C-501	SITE UTILITY PLAN (BEULAH)
C-601	SITE GEOMETRY, STRIPING & SIGNAGE PLAN (BEULAH)
C-801	CIVIL DETAILS
C-802	CIVIL DETAILS
C-803	CIVIL DETAILS
C-804	CIVIL DETAILS
C-805	CIVIL DETAILS
C-806	CIVIL DETAILS
C-807	CIVIL DETAILS
C-808	CIVIL DETAILS
C-809	CIVIL DETAILS
C-810	CIVIL DETAILS
L-101	SITE LANDSCAPING PLAN (NORTH END OF SITE)
L-102	SITE LANDSCAPING PLAN (SOUTH END OF SITE)
L-103	LANDSCAPING DETAILS

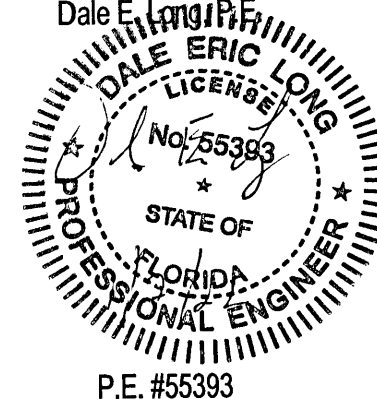
LOCATION MAP
SCALE: 1"= 500'

MUNICIPAL
EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road, Navarre, Florida 32566
P: (850) 939-5732
F: (850) 939-5733
CERTIFICATE OF AUTHORIZATION: CA-30686

COVER SHEET, SHEET INDEX
& LOCATION MAP

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule		
F.D.O.T.	COMMENTS	DATE
1		12-17-2021



P.E. #55393
100% CONSTRUCTION DOCS
Scale: AS NOTED
Date: JULY 28, 2021
Job No. 140006-005
Drawn: EMD
Checked: DEL
C000
SHEET # 01 OF 26

M:\2021\140006-005 ESC Co. ES Beulah Fire Station\03 C-000 Cover Sheet.dwg, C-000, 1/4/2022 10:21:17 AM
M:\2021\140006-005 ESC Co. ES Beulah Fire Station\03 C-000 Cover Sheet.dwg

M:\2014\140006-005 Esc. Cnty. FS Beulah.DWG Sheets\05 G-001 General Notes.dwg, 01 General Notes, 1/4/2022 10:19:58 AM

GENERAL NOTES:

1. THE OWNER INTENDS THAT THE CONTRACT DOCUMENTS WILL PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT. WHERE LABOR AND MATERIAL MAY BE REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT BUT IS NOT FULLY SPECIFIED, DETAILED, OR SHOWN AS A CONSTRUCTION ITEM, THE CONTRACTOR SHALL PROVIDE THE REQUIRED MATERIAL OR LABOR TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THIS REQUIREMENT MAY ONLY BE CONSTRUED AS A REQUIREMENT TO COMPLETE OR MAKE FUNCTIONAL CONSTRUCTION ITEMS SHOWN IN OR ON THE CONTRACT DOCUMENTS.
2. PRIOR TO COMMENCING CONSTRUCTION WITHIN THE PROJECT AREA(S), THE CONTRACTOR SHALL VIDEO THE EXISTING CONDITIONS AND AREAS ADJACENT TO THE PROJECT THAT MAY BE IMPACTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL KEEP ONE COPY AND PROVIDE ONE COPY EACH TO THE OWNER AND OWNER'S CONSTRUCTION INSPECTION/ADMINISTRATION REPRESENTATIVE.
3. ALL FINAL CONSTRUCTION AND CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL BUILDING AND/OR CONSTRUCTION CODES, RULES OR REQUIREMENTS AS APPLICABLE.
4. ABOVE GROUND FEATURES SHOWN WHICH MAY AFFECT CONSTRUCTION WERE TAKEN FROM THE BEST AVAILABLE INFORMATION AND FIELD SURVEYS. THE OWNER DOES NOT GUARANTEE THAT ALL PHYSICAL FEATURES OR ABOVE GROUND OBSTRUCTIONS AFFECTING CONSTRUCTION ARE SHOWN. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS/HER BID. THERE SHALL BE NO ADJUSTMENT OF THE CONTRACT PRICE FOR VISIBLE FEATURES AFFECTING CONSTRUCTION.
5. THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT ARE AN INTEGRAL PART OF THE CONSTRUCTION. THE CONTRACTOR SHALL FULLY REVIEW AND FOLLOW ALL REQUIREMENTS OF THESE DOCUMENTS IN THE COMPLETION OF THE WORK. ALL CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.
6. ALL EXISTING FENCES, STORM DRAINS, PROPERTY CORNERS, SURVEY MONUMENTS, PAVEMENT, ROADS, SIDEWALKS, SIGNS OR ANY OTHER EXISTING OBJECTS OR STRUCTURES WHICH ARE NOT DESIGNATED FOR REMOVAL, BUT ARE DAMAGED OR DESTROYED BY THE CONTRACTOR OR BY ANYONE FOR WHOM THE CONTRACTOR IS RESPONSIBLE ARE TO BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING IN KIND OR REPAIRING TO ORIGINAL CONDITION; MAILBOXES, DRIVEWAY CULVERTS, RETAINING WALLS, LANDSCAPING, ETC. THAT ARE DISTURBED, DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES.
7. THE LEGEND IS TYPICAL FOR ALL SHEETS. SOME ITEMS MAY NOT APPLY TO EACH SHEET.
8. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE LIMITS OF CONSTRUCTION, RIGHT-OF-WAYS AND/OR EASEMENTS SHOWN. CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE TO AND RESTORATION OF ALL AREAS OUTSIDE OF RIGHT-OF-WAYS AND EASEMENTS, AT HIS EXPENSE.
9. THE CONTRACTOR SHALL NOTIFY F.D.O.T. 48 HOURS PRIOR TO WORKING WITHIN THE F.D.O.T. RIGHT-OF-WAY (1-850-981-3000).
10. IN THE EVENT THAT ANY STANDARDS OR SPECIFICATIONS AS DESCRIBED HEREIN OR SHOWN ON THE PLANS, ARE IN CONFLICT WITH EACH OTHER, THE MORE STRINGENT CRITERIA WILL APPLY. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND IN WRITING. SHOULD THE MORE STRINGENT CRITERIA BE UNCLEAR, THE ENGINEER WILL PROVIDE AN INTERPRETATION AND DETERMINE WHICH CRITERIA IS TO BE USED.
11. THESE PLANS WERE BASED ON THE GEOTECHNICAL REPORT BY NOVA, PHONE: (850) 607-7782. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE A COPY OF THE REPORT(S) FROM THE GEOTECHNICAL ENGINEER, FAMILIARIZE THEMSELVES WITH THE CONDITIONS AS DESCRIBED IN THE REPORT(S), AND COMPLY WITH ALL RECOMMENDATIONS MADE IN THE REPORT(S) SPECIFICALLY FOR SOIL PREPARATION ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF ALL SUPPLEMENTAL REPORTS FOR THIS PROJECT FROM THE OWNER AND TO FOLLOW THE SUPPLEMENTAL REPORTS' RECOMMENDATIONS.
12. THE OWNER, OWNER'S REPRESENTATIVES, AND INSPECTORS OF APPLICABLE GOVERNMENT AGENCIES HAVING JURISDICTION, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK SITE. THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND INSPECTIONS.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO ENSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURE FROM UNAUTHORIZED ACCESS OR USE. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
14. THE CONTRACTOR SHALL COMPLY FULLY WITH ALL PERMIT REQUIREMENTS IMPOSED BY THE REGULATORY AGENCIES.
15. THE ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF ALL TESTING RELATED TO CIVIL WORK.
16. ALL DISCHARGE FROM ANY REQUIRED DEWATERING OPERATIONS SHALL BE RESTRICTED AND MAINTAINED ON SITE. PERCOLATION THROUGH TEMPORARY PONDS OR EVAPORATION ARE THE ONLY ALLOWABLE NON-PERMITTED MEANS OF DISPOSAL OF GROUNDWATER. THE CONTRACTOR AT HIS EXPENSE, MAY PROVIDE TESTING OF GROUNDWATER PER F.D.E.P. GUIDELINES INCLUDING FAC CHAPTER 62-621.300(2). THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A "GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY" FROM F.D.E.P. IF REQUIRED AT HIS EXPENSE.

GENERAL SITE DEVELOPMENT NOTES:

1. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD, ESCAMBIA COUNTY (DRC), AND THE OWNER. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
2. THE OWNER OR HIS AGENT SHALL ARRANGE/ SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT 850-595-3472 (Esc. Cnty). "AS-BUILT" CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
3. THIS SET OF PLANS IS FOR THE CIVIL CONSTRUCTION PORTIONS OF THE PROJECT. THE CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH THE ARCHITECTURAL AND MEP PLANS FOR BUILDING INTERFACES.
4. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
5. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE STEPS TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
6. DEVELOPER/CONTRACTOR SHALL RE-SHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO THE REQUEST FOR A FINAL INSPECTION.
7. THE ENGINEER OF RECORD SHALL PROVIDE TO ESCAMBIA COUNTY (DRC) "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL ONE (1) WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND STORMWATER FACILITIES UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO EQUAL OR BETTER CONDITION.
9. THE OWNER SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORM WATER SYSTEM.
10. PRIOR TO CONSTRUCTION, SEPARATE BUILDING INSPECTION DEPARTMENT PERMITS SHALL BE OBTAINED AS REQUIRED.
11. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY (DRC).
12. PRIOR TO CONSTRUCTION, A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT SHALL BE OBTAINED FOR ALL RETAINING WALLS HIGHER THAN TWO (2) FEET.
13. IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
14. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES; ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

GENERAL NOTES (ESCAMBIA COUNTY):

1. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
2. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFFSITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT, 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.
3. COMPLIANCE WITH NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY.

6. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
7. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
9. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
10. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TOTHE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
11. ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERENCED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS, OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
12. EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
13. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORKDAY.
14. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
15. ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
16. VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
17. GRADED AGGREGATE BASE SHALL BE REQUIRED FOR ROADWAYS UNLESS OTHERWISE SHOWN.
18. ALL COMPACTED FILL SHALL BE PLACED IN LAYERS OR LIFTS NOT MORE THAN 12" IN LOOSE DEPTH, FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
19. MAINTENANCE OF TRAFFIC SHALL BE PER FDOT.
20. THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY TRAFFIC DEPARTMENT PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.
21. WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(1), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
22. PIPE LENGTHS SHOWN ON THE PLANS DO NOT INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. THEREFORE, ALL PIPES LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION.
23. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
24. CONTRACTOR SHALL OBTAIN COUNTY APPROVED CHANGE ORDER PRIOR TO PERFORMING ANY ADDITIONAL WORK.
25. ALL SIDEWALKS, SHARED PATH WALKWAYS, AND CURB RAMPS ARE TO BE BUILT TO ADA STANDARDS USING THE LATEST EDITION OF THE DESIGN STANDARDS, ADA REQUIREMENTS, AND PUBLIC RIGHTS-OF-WAY ACCESSIBILTY GUIDELINES (PROWAG).

PROJECT SAFETY NOTES:

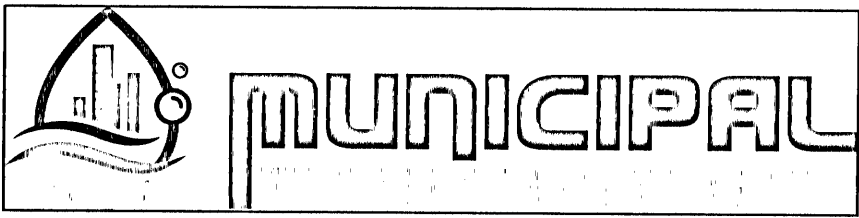
1. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR THE SAFETY OF THE WORK AND ANY AND ALL DAMAGES ARISING FROM THE CONSTRUCTION SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ASSURING THAT THE CONSTRUCTION MATERIALS AND METHODS ARE COMPLIANT WITH ALL APPLICABLE LOCAL, STATE OR FEDERAL SAFETY CODES, RULES, OR REQUIREMENTS.
2. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER THIS ACT. THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
3. THE CONTRACTOR SHALL PROTECT AND KEEP THE OWNER (INCLUDING THEIR AGENTS, CONSULTANTS, AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, ETC. RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED.

HAZARDOUS MATERIALS NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH LOCAL STATE AND FEDERAL REGULATIONS REGARDING TESTING FOR AND DISPOSAL OF HAZARDOUS MATERIALS DURING DEMOLITION.
2. HAZARDOUS MATERIAL MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE", "HAZARDOUS SUBSTANCE" POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 USC SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 USC SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL, OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYL (PCB'S), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
3. CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TEST TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED HEREIN) IN COMPLIANCE WITH ALL CURRENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.
4. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE, OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE, OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH A SPILL ON PERSONS OR PROPERTY.

PUBLIC RIGHT-OF-WAY NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS AND LICENSES NECESSARY TO WORK IN THE ESCAMBIA COUNTY RIGHT-OF-WAY.
2. NO ROADWAYS SHALL BE CLOSED, LANE CLOSURES MAY BE ALLOWED WITH ADEQUATE NOTICE GIVEN AND PRIOR APPROVAL. ROAD LANE CLOSURES SHALL BE KEPT AS SHORT AS POSSIBLE AND SHALL BE COORDINATED WITH THE AGENCY HAVING JURISDICTION (AHJ) - DEPARTMENT OF TRANSPORTATION, CITY, OR COUNTY AS APPLICABLE. THE AHJ SHALL BE NOTIFIED 72 HOURS IN ADVANCE BEFORE ANY WORK COMMENCES ON THEIR RIGHT-OF-WAY. TEMPORARY ACCESS TO ALL DRIVEWAYS SHALL BE PROVIDED WITHIN TWO (2) HOURS OF INITIAL DISRUPTION AND MAINTAINED UNTIL FINAL PROJECT ACCEPTANCE BY THE OWNER.
3. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON ALL ROADWAYS. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL DEVELOP AND SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE AGENCY HAVING JURISDICTION FOR THEIR APPROVAL. THIS PLAN MUST MEET THE MINIMUM REQUIREMENTS AS OUTLINED IN THE FDOT DESIGN STANDARDS INDEX 102 AS APPLICABLE.
4. ALL RIGHT-OF-WAY INSTALLATIONS WILL BE IN ACCORDANCE WITH PRACTICES REFERENCED IN THE STATE OF FLORIDA UTILITY ACCOMMODATIONS MANUAL, LATEST EDITION.
5. SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH THE US DEPARTMENT OF TRANSPORTATION'S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT REQUIREMENTS.
6. ASPHALT PAVING, CONCRETE OR PAVED SHOULDERS, OR SWALES DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE. PAYMENT FOR PAVEMENT CUT AND PATCH IS LIMITED TO THE HATCHED AREAS SHOWN ON THE PLANS. PAVEMENT SHALL BE PROTECTED OR REPAIRED AT THE CONTRACTOR'S EXPENSE AT ALL OTHER LOCATIONS. ALL CONCRETE CURBING OR DITCHING SHALL BE REPLACED IN ACCORDANCE WITH ESCAMBIA COUNTY REQUIREMENTS AND AT THE CONTRACTOR'S EXPENSE.



8574 Turkey Bluff Road • Navarre, Florida 32566 • p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30986

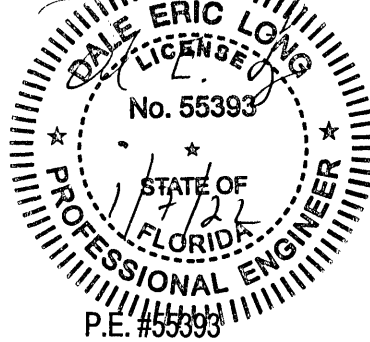
TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

GENERAL NOTES

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule		
Δ	F.D.O.T. COMMENTS	12-17 2021

Dale E. Long, P.E.



100% CONSTRUCTION DOCS	
Scale: AS NOTED	
Date: JULY 28, 2021	
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C001	
SHEET # 02 OF 26	

M:\2014\140006-005 Esc City FS Beulah\DWG\Sheets\05 G-001 General Notes.dwg, 02 General Notes and Legend, 1/4/2022 10:20:20 AM

RECORD DRAWING NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A COPY OF THE MINIMUM REQUIREMENTS FOR AS-BUILT RECORD DRAWING ACCEPTANCE FOR THE AGENCY HAVING JURISDICTION (AHJ) SUCH AS A COUNTY OR CITY, AND/OR A UTILITY SERVICE PROVIDER. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THESE REQUIREMENTS AND PRODUCE AS-BUILT RECORD DRAWINGS THAT SUBSTANTIALLY COMPLY WITH OR EXCEED THESE REQUIREMENTS.
2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD REDLINE DRAWINGS DEPICTING THE AS-BUILT CONDITION AT LEAST TWO (2) WEEKS PRIOR TO REQUESTING A FINAL INSPECTION OF THE WORK TO BE CERTIFIED.
3. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW THE AS-BUILT CONDITIONS OF ALL WORK INCLUDING PIPING, FITTINGS, DRAINAGE STRUCTURES, POND TOPOGRAPHY, OUTLET STRUCTURE DIMENSIONS, GRADING, ELEVATIONS, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING A FINAL INSPECTION.
4. THE CONTRACTOR SHALL KEEP A DAILY SET OF AS-BUILT DRAWINGS WHILE THE WORK IS BEING DONE IS VISIBLE AND EXPOSED ACCORDING TO THE CRITERIA CONTAINED HEREIN.
5. THE OWNER RESERVES THE RIGHT TO REQUIRE THAT THE CONTRACTOR UNCOVER, RE-TEST, AND/OR PERFORM ANY ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING SUFFICIENT AS-BUILT INFORMATION TO CONVEY THAT THE CONSTRUCTION HAS BEEN COMPLETED WITHIN ACCEPTABLE TOLERANCES. AS-BUILT INFORMATION SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

A.SANITARY SEWER:

- 1) TOP ELEVATION OF ALL MANHOLE FRAME AND COVERS.
- 2) INVERT OF EACH LINE ENTERING AND EXITING EACH MANHOLE STRUCTURE.
- 3) LENGTH OF EACH RUN OF MAIN BETWEEN MANHOLES (MEASURED FROM CENTER TO CENTER OF MANHOLE)
- 4) PIPE SLOPE (GRADE) BETWEEN MANHOLES.
- 5) LOCATE ALL SERVICE WYES FROM THE DOWNSTREAM MANHOLE. PROVIDE A LATERAL DEPTH AT THE LOT LINE AS WELL AS AN OFFSET DISTANCE FROM THE MAIN.
- 6) LOCATE WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUTS, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.

B.STORM DRAINAGE:

- 1) TOP ELEVATION OF EACH STRUCTURE FRAME AND COVER AS WELL AS THE TOP ELEVATION OF ALL HEADWALLS, CONTROL STRUCTURES, ETC.
- 2) INVERT OF EACH LINE ENTERING AND EXITING EACH STRUCTURE.
- 3) INVERTS OF ALL PIPE OUTFALLS.
- 4) PIPE SLOPE (GRADE) BETWEEN STRUCTURES.
- 5) LENGTH OF RUN OF MAIN BETWEEN STORMWATER STRUCTURES (MEASURED FROM CENTER TO CENTER OF STRUCTURE)
- 6) PROVIDE DIMENSIONS AND INVERTS FOR ALL UNDERDRAINS INCLUDING FITTINGS AND CLEANOUTS.
- 7) POND TOPOGRAPHY:

i. CROSS-SECTIONS

ii. SAND CHIMNEY DIMENSIONS

iii. OVERFLOW STRUCTURE INFORMATION
- 8) LOCATE WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUT, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.

C.PRESSURE MAINS (WATER AND SEWER):

- 1) ACTUAL LENGTH OF PIPE BETWEEN EACH BRANCH OR VALVE IN RUN.
- 2) LOCATE ALL FITTINGS WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUT, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.
- 3) LIST THE DEPTH OF LINES AT ALL VALVES, FITTINGS, AND FIRE HYDRANTS.
- 4) DIMENSIONS WHICH CLEARLY DEMONSTRATE COMPLIANCE WITH MINIMUM SEPARATION DISTANCES OR REQUIRED PIPE UPGRADES (ENCASEMENT).


D.LIFT STATIONS:


- 1) TOP & SUMP ELEVATION OF WET WELL AND VALVE BOX.
- 2) INVERT OF ALL PIPES ENTERING WET WELL AS WELL AS FORCEMAIN PIPES EXITING.
- 3) FLOAT ELEVATIONS. (IF APPLICABLE)
- 4) YARD PIPING INFORMATION. (SEE PRESSURE MAINS ABOVE)


E.OTHER IMPROVEMENTS:


- 1) LOCATE BUILDINGS, SIDEWALKS, PAVEMENT, CURB AND GUTTER, ETC. AS APPLICABLE.


EXISTING LEGEND:


 - POWER POLE


 - WATER VALVE


 - WATER METER


 - BACKFLOW PREVENTER IN ENCLOSURE


 - FIRE HYDRANT


 - GAS METER


 - SIGN


 - FLAG POLE


 - R/W - RIGHT-OF-WAY


 - Inv. Elev. - INVERT ELEVATION


 - R.C.P. - REINFORCED CONCRETE PIPE


 - P.V.C. - POLYVINYL CHLORIDE


 - O.R. BOOK - OFFICIAL RECORD BOOK


 - TBM - TEMPORARY BENCHMARK


 - NAVD88 - NORTH AMERICAN VERTICAL DATUM OF 1988


 - X 84.7 - SPOT ELEVATION


 - F.F.E. - FINISHED FLOOR ELEVATION


 - N - NORTH


 - S - SOUTH


 - E - EAST


 - W - WEST


 - R/W LINE


 - PROPERTY LINE


 - 115 - CONTOUR LINE


 - OVERHEAD UTILITY LINE

 - UNDERGROUND STORM WATER LINE


 - WOODS LINE

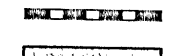
 - ASPHALT

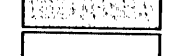
 - FOC - FIBER OPTIC CABLE MARKER


 - FB - FIBER OPTIC PULL BOX


PROPOSED LEGEND

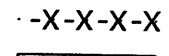
 DENOTES NEW CURB INLET


 DENOTES NEW PIPE

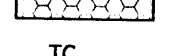
 DENOTES NEW CONCRETE PAVING


 DENOTES NEW ASPHALT PAVING

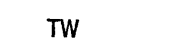
 DENOTES TREE PROTECTION


 DENOTES TREE REMOVAL

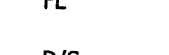
 DENOTES SILT FENCE/TURBIDITY BARRIER

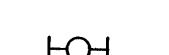
 DENOTES NEW PATIO PAVERS


 DENOTES NEW PAVERS

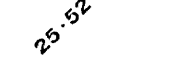
 TC DENOTES TOP OF CURB

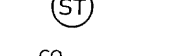
 BC DENOTES BOTTOM OF CURB


 TW DENOTES TOP OF WALL

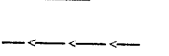
 LP DENOTES LOW POINT


 FL DENOTES FLUSH


 D/S DENOTES DOWN SPOUT


 I-H DENOTES INLINE FLUSHING CONNECTION


 DENOTES LIMITS OF CONSTRUCTION

 DENOTES PROPOSED SPOT ELEVATION

 DENOTES NEW STORM MANHOLE

 DENOTES PROPOSED CLEANOUT

 DENOTES NEW DITCH BOTTOM INLET

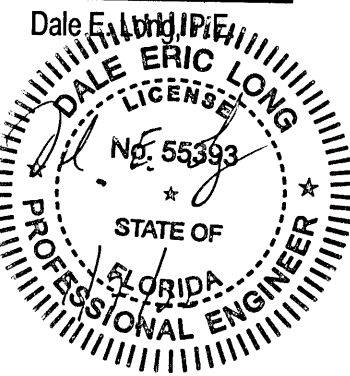
 DENOTES PROPOSED SODDED SWALE

TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

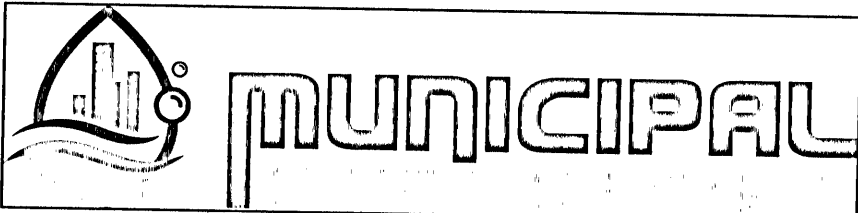
GENERAL NOTES & LEGEND

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule



P.E. #55393



8574 Turkey Bluff Road • Navarre, Florida 32566 • p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

100% CONSTRUCTION DOCS

Scale: AS NOTED

Date: JULY 28, 2021

Job No. 140006-005

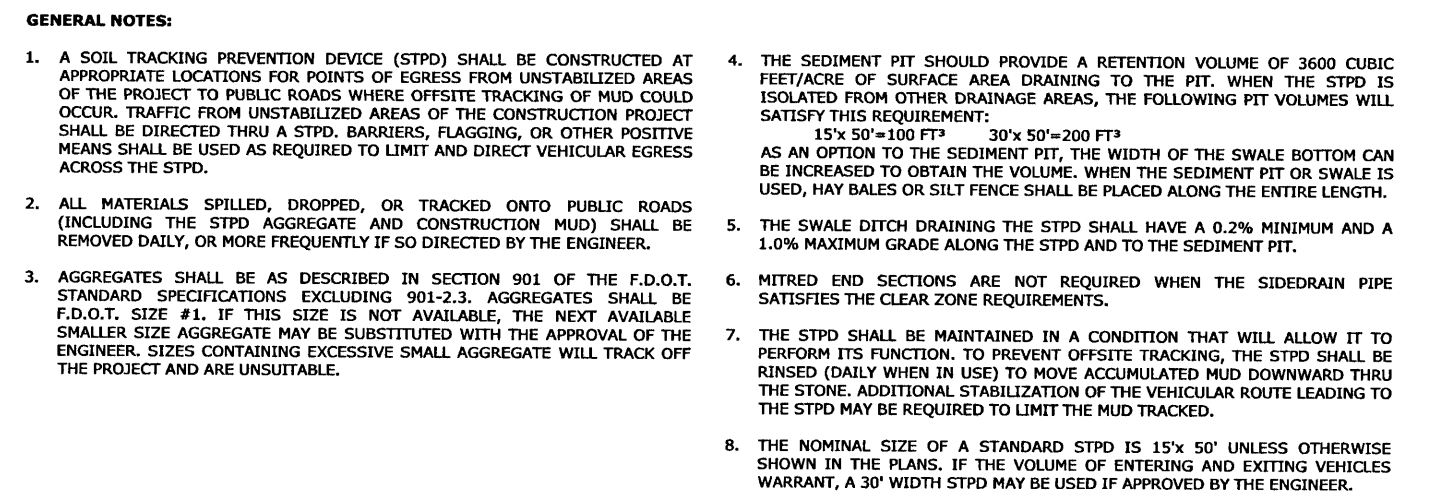
Filename: SEE LEFT

Drawn: EMD

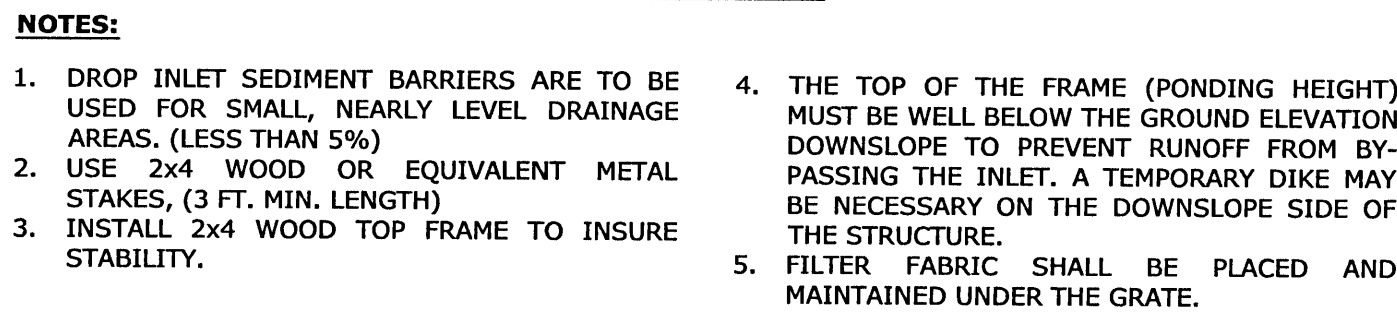
Checked: DEL

C002

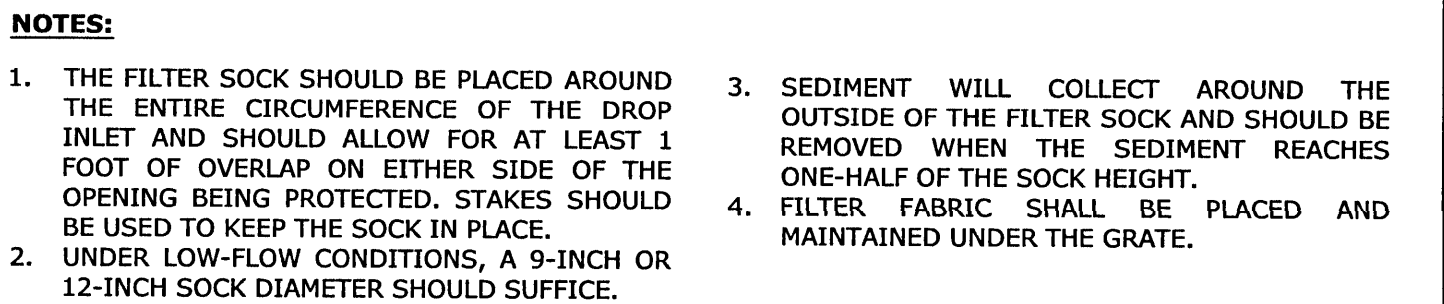
SHEET # 03 OF 26



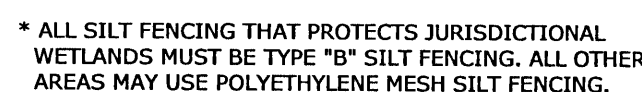
NOT TO SCALE



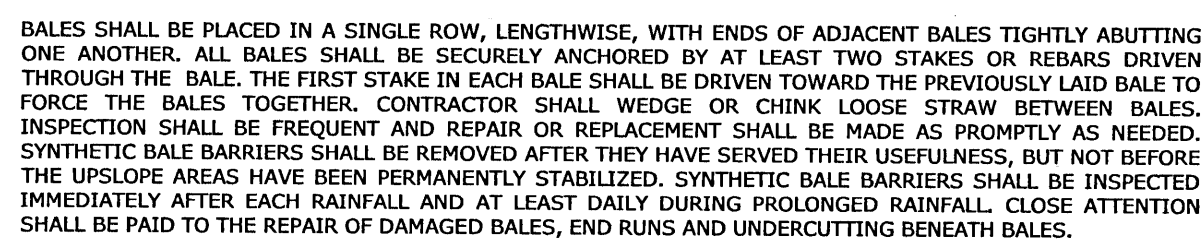
NOT TO SCALE



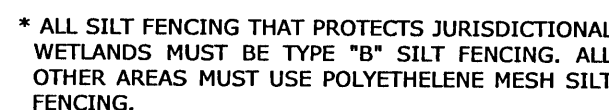
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

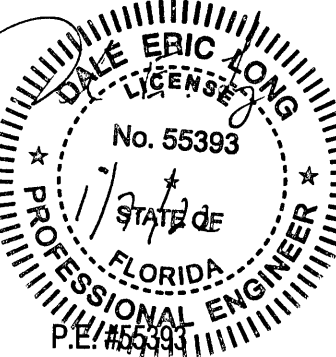
9. TEMPORARY SEDIMENT CONTROL MEASURES INCLUDE, BUT ARE NOT LIMITED TO: SILT FENCING; CONSTRUCTION OF SEDIMENT CHECK DAMS; CONSTRUCTION EXITS, FLOATING TURBIDITY CURTAINS, FILTER SOCKS; SEEDING AND MULCHING, ETC. PERMANENT SEDIMENT CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO: PERMANENT GRASSING; EROSION BLANKETS; RIP RAP, ETC. MINIMUM STABILIZATION MEASURES ARE DETAILED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL INCLUDE ANY AND ALL MEASURES NECESSARY TO STABILIZE THE SITE, CONTROL EROSION, AND PREVENT SEDIMENT FROM ESCAPING THE SITE. THE CONTROL OF EROSION ON THE SITE COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

21. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AND OTHER AIRBORNE POLLUTANTS DURING CONSTRUCTION. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AT THE CONTRACTOR'S DISCRETION.

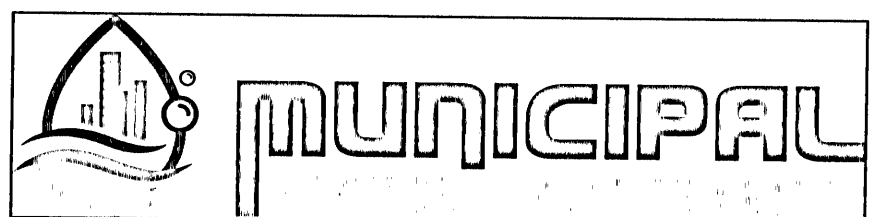
BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule	

Dale E. Long, P.E.

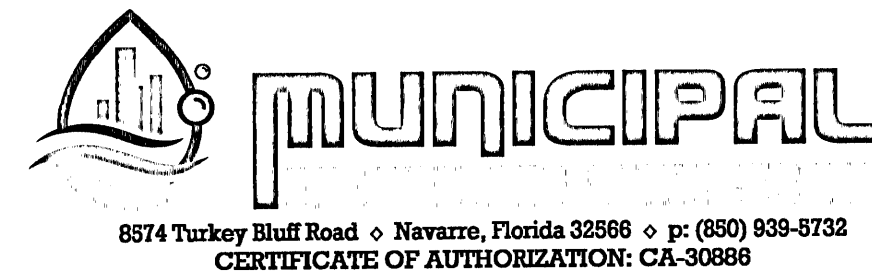
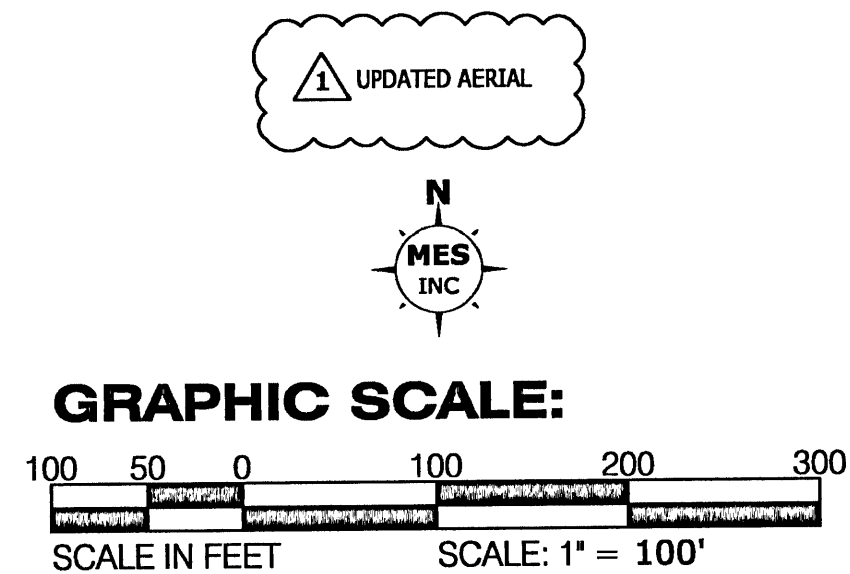
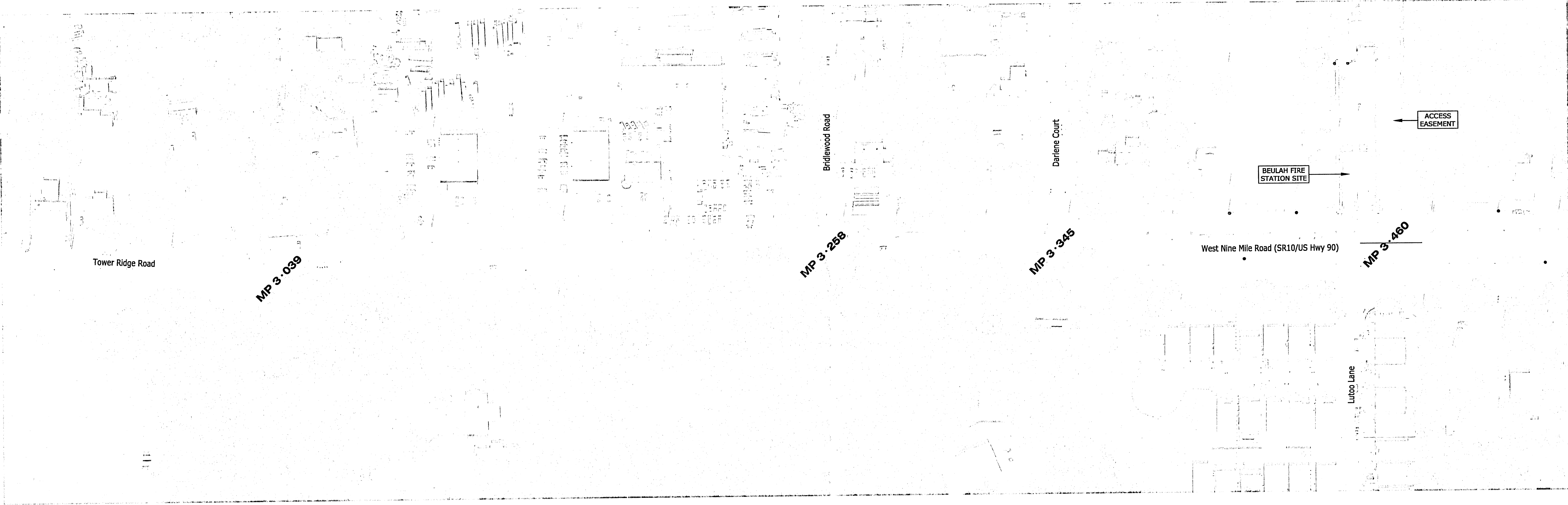
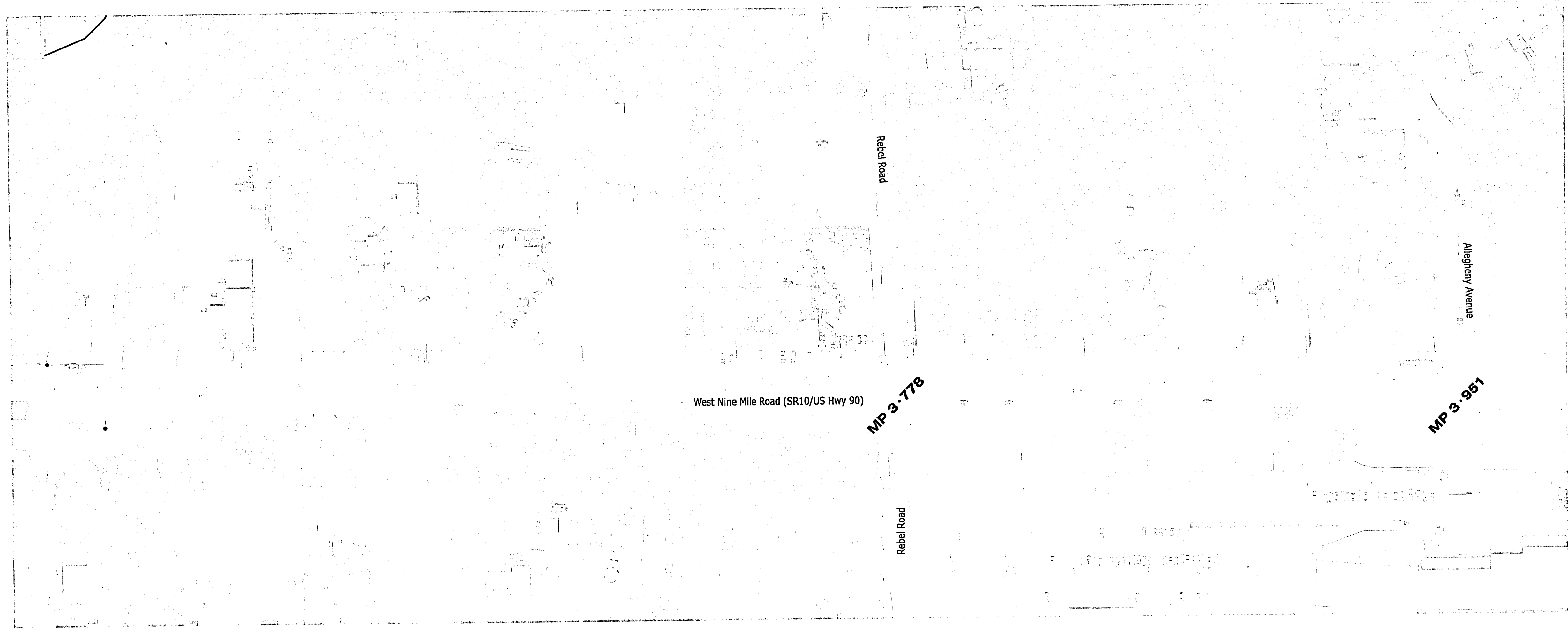


100% CONSTRUCTION DOCS	
Scale: AS NOTED	
Date: JULY 28, 2021	
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C003	
SHEET # 04 OF 26	



8574 Turkey Bluff Road ♦ Navarre, Florida 32566 ♦ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

M:\2014\140006-005 Esc City FS Beulah\DWG\Sheets\20 C-100 Existing Conditions.dwg, C:\00 FDOT 1320 Aerial Exhibit, 12/21/2021 3:01:50 PM

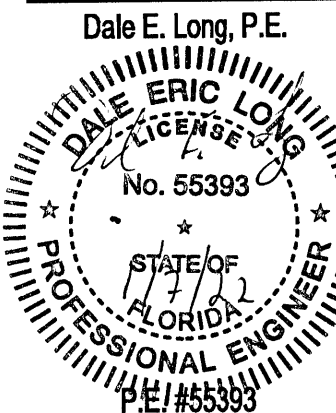


Revision Schedule		
1	F.D.O.T. COMMENTS	12-17 2021

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

FDOT 1320' AERIAL EXHIBIT
(BEULAH)

TOWNES architects, P.A.
ARCHITECTS - PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051



100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No:	140006-005
Drawn:	EMD
Checked:	DEL
File name:	SEE LEFT
C100	
SHEET # 05 OF 26	

M:\2014\140006-005 Esc City FS Beulah\DWG\Sheets\20 C-100 Existing Conditions.dwg, C101 Existing Conditions, 1/4/2022 10:19:05 AM

06-1S-31-3203-007-003
LARRY SMITH
SITE: 9500 DARLENE CIRCLE
ZONING: LDR
FLU: MU-S
USE: MULTI-FAMILY RESID

06-1S-31-3401-000-001
COASTAL HOMEBUILDERS INC
SITE: 9811 REBEL ROAD
ZONING: LDR
FLU: MU-S
USE: SFR

06-1S-31-3402-000-001
SHIRLEY YOUNG
SITE: 6250 W. NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: SFR

06-1S-31-3402-002-001
STEPHEN & DEBORAH McNAIR
SITE: 6230 W NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: SFR

06-1S-31-3303-000-000
RAY & SARA ANN BARNES
SITE: NINE MILE ROAD
ZONING: LDR
FLU: MU-S
USE: VACANT RESIDENTIAL

06-1S-31-3304-000-000
ESCAMBIA COUNTY,
BOARD OF COUNTY COMMISSIONERS
SITE: 6400 W. NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: COMMERCIAL/FIRE STATION

06-1S-31-3305-000-001
LAURA WEBB/SPARROW
SITE: 6430 W NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: SFR

06-1S-31-3305-000-000
GFC CREDIT CORP
SITE: 6400BLK NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: VACANT RESIDENTIAL

06-1S-31-3305-000-001
LAURA WEBB/SPARROW
SITE: 6430 W NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: SFR

SURVEY NOTES:

- Measurements were made in accordance with the United States Standard Foot.
- Basis of Bearings Reference: Grid North and the grid bearings shown hereon are based on the following:
 - Projection Zone: Florida North (State Plane)
 - Projection Type: Lambert Conformal Conic
 - Datum: North American Datum of 1983 with a datum tag of 2011 (NAD83 (2011))
- The vertical elevations as shown hereon are referenced to Florida Department of Transportation (FDOT) Vertical Control Network and are based on North American Vertical Datum of 1988 (NAVD88)
- To ensure that any contractor, engineer, or surveyor is on the same vertical datum, it is imperative that they use the benchmarks and elevations shown hereon. In addition, a check between benchmarks needs to be performed to verify that no one benchmark has been disturbed.
- The horizontal positions shown hereon were derived from the utilization of a TopCon Hiper V Real Time Kinematic (RTK) Global Positioning System (GPS dual frequency receiver in RTK Mode utilizing the Florida Department of Transportation (FDOT) Florida Permanent Reference Network (FPRN). Periodic checks into known horizontal control with published coordinates were performed to ensure the quality of the data being collected.
- Joseph Barrett, Florida Professional Surveyor and Mapper did not perform a title search, nor has a title search been provided. Therefore, the topographic survey shown hereon is subject to any facts that may be disclosed by a full and accurate title search.
- Lands shown hereon were not abstracted by Joseph Barrett, Florida Professional Surveyor and Mapper, and is, therefore, subject to deeds of record, unrecorded deeds, easements, right-of-ways, building setbacks, restrictive covenants, or other instruments which could affect the boundaries or use of the subject property.
- Locations are limited to visual improvements only.
- No existing improvements were located other than those shown hereon.
- This survey does not reflect, determine, or guarantee ownership.

- No attempt was made to locate any underground foundations, septic/drain fields, underground utilities, or overhead utilities.
- No attempt was made to locate written or unwritten easements or right of ways other than those shown hereon.
- Any item shown hereon and designated as "For Illustrative Purposes Only", has not been field verified by the undersigned, and is for visual representation only.
- No boundary survey was performed for, or during, this topographic survey. Right of way and parcel lines are based on the Escambia County Property Appraiser's maps. They are "For Illustrative Purposes Only".
- Additions or deletions to survey map(s) or report(s) by other than the signing party or parties is prohibited without written consent of the signing parties.
- The topographic survey map and report or copies thereof are not valid without the signature and the original raised seal of a Florida licensed Surveyor and Mapper.
- The topographic survey and report are not full and complete without the other.
- No other person(s) and/or entity(ies) other than those certified to above may use this topographic survey or copies thereof, for any reason whatsoever, without the prior written consent of the undersigned.
- The official record of this survey is the original signed and sealed paper version. Any electronic version(s) is not valid unless it is identical in all forms and respects to the original signed and sealed paper version. The onus of comparison is placed on the user of the electronic version.
- Documents used in the preparation of this topographic survey: a copy of a Boundary Survey by Merrill Parker Shaw, Inc. of the Beulah Fire Department, Job No. 15-7319, Dated: 4/6/2015; and Escambia County Property Appraiser's Maps.

DESCRIPTION (AS FURNISHED)

PARCEL 1:
The North 140.00 feet of the South 540.00 feet of the West 81.00 feet of the East 297.00 feet of the East half of the Southwest Quarter of the Southwest Quarter of Section 6, Township 1 South, Range 31 West, Escambia County, Florida.
AND
PARCEL 2:
The South 400.00 feet of the West 27.60 feet of the East 324.00 feet of the East half of the Southwest Quarter of the Southwest Quarter of Section 6, Township 1 South, Range 31 West, Escambia County, Florida, Less the right-of-way of Nine Mile Road.
AND
PARCEL 3:
The South 400.00 feet of the West 54.00 feet of the East 297.00 feet of the East Half of the Southwest Quarter of the Southwest Quarter of Section 6, Township 1 South, Range 31 West, Escambia County, Florida, less the right-of-way of Nine Mile Road, subject to easement recorded in Official Records Book 681, Page 738 and Official Records Book 681, Page 740 of the Public Records of Escambia County, Florida.
AND
PARCEL 4:
Commence at the intersection of the East line of the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 6, Township 1 South, Range 31 West, Escambia County, Florida with the North right-of-way line of Nine Mile Road, thence North along said East line for a distance of 505.61 feet to the point of beginning; thence North 02 degrees 46 minutes 52 seconds East for 733.33 feet; thence North 87 degrees 13 minutes 51 seconds West for 297.00 feet; thence South 02 degrees 46 minutes 52 seconds West for 733.33 feet; thence South 87 degrees 13 minutes 51 seconds East for 297.00 feet to the point of beginning.

Together with a non-exclusive easement for ingress, egress and the installation, operation, and maintenance of utility lines over, under, and across the following described property:

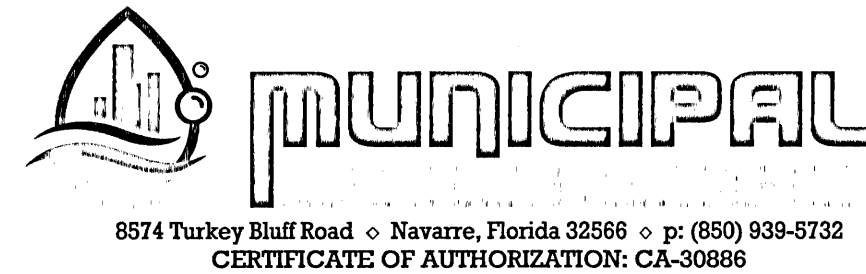
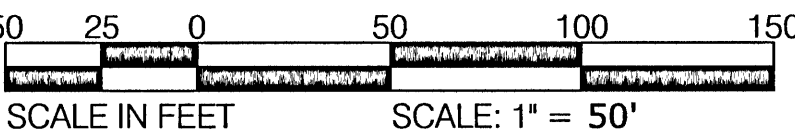
Commence at the intersection of the East line of the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 6, Township 1 South, Range 31 West, Escambia County, Florida with the North right-of-way line of Nine Mile Road; thence North along said East line for a distance of 505.61 feet; thence North 87 degrees 13 minutes 51 seconds West for 193.11 feet to the point of beginning; thence North 87 degrees 13 minutes 51 seconds West for 50.00 feet; thence South 02 degrees 46 minutes 52 seconds West for 57.84 feet; thence South 87 degrees 13 minutes 07 seconds East for 27.11 feet; thence South 02 degrees 46 minutes 52 seconds West for 140.00 feet; thence North 87 degrees 13 minutes 07 seconds West for 20.16 feet; thence South 02 degrees 46 minutes 52 seconds West for 307.42 feet; thence South 87 degrees 09 minutes 15 seconds East for 43.05 feet; thence North 02 degrees 46 minutes 52 seconds East for 505.33 feet to the point of beginning.
AND
PARCEL 5:
Commence at the intersection of the East line of the Southwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 6, Township 1 South, Range 31 West, Escambia County, Florida with the North right-of-way line of Nine Mile Road; thence North along said East line for a distance of 505.61 feet; thence North 87 degrees 13 minutes 51 seconds West for 243.11 feet to the point of beginning; thence North 87 degrees 13 minutes 51 seconds West for 53.89 feet; thence South 02 degrees 46 minutes 52 seconds West for 57.84 feet; thence South 87 degrees 13 minutes 07 seconds East for 53.89 feet; thence North 02 degrees 46 minutes 52 seconds East for 57.84 feet to the point of beginning.

NOTE:

- THE SUBJECT PROPERTY AS SHOWN HEREIN IS LOCATED IN FLOOD ZONE 'X' AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AREA FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 12080, FIRM MAP PANEL NUMBER 12033C0270G, MAP REVISION DATED SEPTEMBER 29, 2006.



GRAPHIC SCALE:

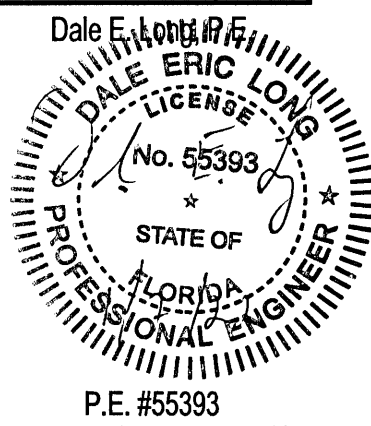


TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

EXISTING CONDITIONS
(BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule		
1	F.D.O.T. COMMENTS	11-22 2021



100% CONSTRUCTION DOCS	
Scale: AS NOTED	
Date: JULY 28, 2021	Filename: SEE LEFT
Job No. 140006-005	Drawn: EMD
Checked: DEL	
C101	
SHEET # 06 OF 26	

M:\2021\140006-005 Esc Cnty FS Beulah\DWG\Sheets\20 C-100 Existing Conditions.dwg, C201 Demolition Plan, 1/4/2022 10:18:20 AM

DEMOLITION AND CLEARING NOTES:

- TREES SLATED FOR PROTECTION SHALL BE MARKED AND TREE PROTECTION BARRICADES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES. NO PROTECTED TREES SHALL BE REMOVED, DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN OR EXCESSIVELY PRUNED DURING CONSTRUCTION ACTIVITIES.
- NO GRADING OR CLEARING BY, OR STORAGE OF HEAVY EQUIPMENT SHALL OCCUR WITHIN THE DRIP LINE OF PROTECTED TREES OR WITHIN ENVIRONMENTALLY SENSITIVE AREAS.
- TREE PROTECTION BARRICADES OR EQUIVALENT PROTECTIVE MEASURES WILL BE CONSTRUCTED ACCORDING TO THE LOCAL JURISDICTION'S CRITERIA FOR TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.
- CONTRACTOR SHALL TAKE EXTREME CARE TO REMOVE ONLY TREES AND VEGETATION ABSOLUTELY NECESSARY FOR THE CONSTRUCTION OF THIS WORK.
- ALL TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED AROUND EACH PROTECTED TREE SHOWN TO REMAIN ON SITE AND PRIOR TO ANY SITE DISTURBANCE. TREE PROTECTION MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES THAT ARE TO BE SAVED, WHETHER SHOWN ON THE PLANS OR DESIGNATED IN THE FIELD.
- ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
- TRENCHING FOR PROPOSED UTILITY IMPROVEMENTS WITHIN THE DRIP LINE OF SPECIMEN TREES TO REMAIN, WILL REQUIRE THE ADVANCED PRE-TREATMENT OF EACH IMPACTED TREE BY A QUALIFIED ARBORIST OR THE LANDSCAPE ARCHITECT TO MINIMIZE THE POTENTIALLY ADVERSE IMPACTS OF CONSTRUCTION. HAND DIGGING MAY BE REQUIRED WITHIN THE DRIP LINE OF PROTECTED TREES.

- IN AREAS REQUIRING FILL MATERIAL, THE CONTRACTOR SHALL STRIP OR OTHERWISE REMOVE ALL VEGETATION SUCH AS BRUSH, HEAVY SOD, HEAVY GROWTH OF GRASS, DECAYED VEGETATION MATTER, RUBBISH AND ANY OTHER DELETERIOUS MATERIAL BEFORE EMBANKMENT IS PLACED. IMMEDIATELY PRIOR TO THE PLACING OF FILL MATERIAL, THE ENTIRE AREA UPON WHICH FILL IS TO BE PLACED, SHALL BE SCARIFIED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE AREA PRIOR TO THE PLACEMENT OF FILL.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CLEARLY DESIGNATE THE LIMITS OF CONSTRUCTION ON-SITE. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE LIMITS OF CONSTRUCTION. IN AREAS WHERE NO WORK IS PROPOSED THE CONTRACTOR SHALL PROTECT THE TOPOGRAPHY, THE SOIL, AND THE VEGETATION.
- WHERE DEMOLITION REQUIREMENTS LEAVE OPEN TRENCHES, PITS OR OTHER VOIDS, PROVIDE CLEAN FILL AND COMPACTION PER THE SPECIFICATIONS, THE GEOTECHNICAL REPORT OR OTHER REQUIREMENTS.
- REMOVAL OF EXISTING PAVED SURFACES INCLUDES REMOVAL OF EXISTING BASE OR SOIL MATERIALS SUFFICIENTLY TO CONSTRUCT THE NEW SURFACE IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- ALL ASPHALT AND CONCRETE SHALL BE SAW CUT AT EDGES TO REMAIN. REMAINING EDGES SHALL BE PROTECTED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS WHILE REMOVING OR REPAIRING ANY EXISTING STORM DRAINS OR SWALES.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DEMOLITION PLAN FOR LIMITS OF REMOVAL OF BUILDING RELATED ITEMS SUCH AS AWNINGS AND SIDEWALK ADJACENT TO BUILDING.

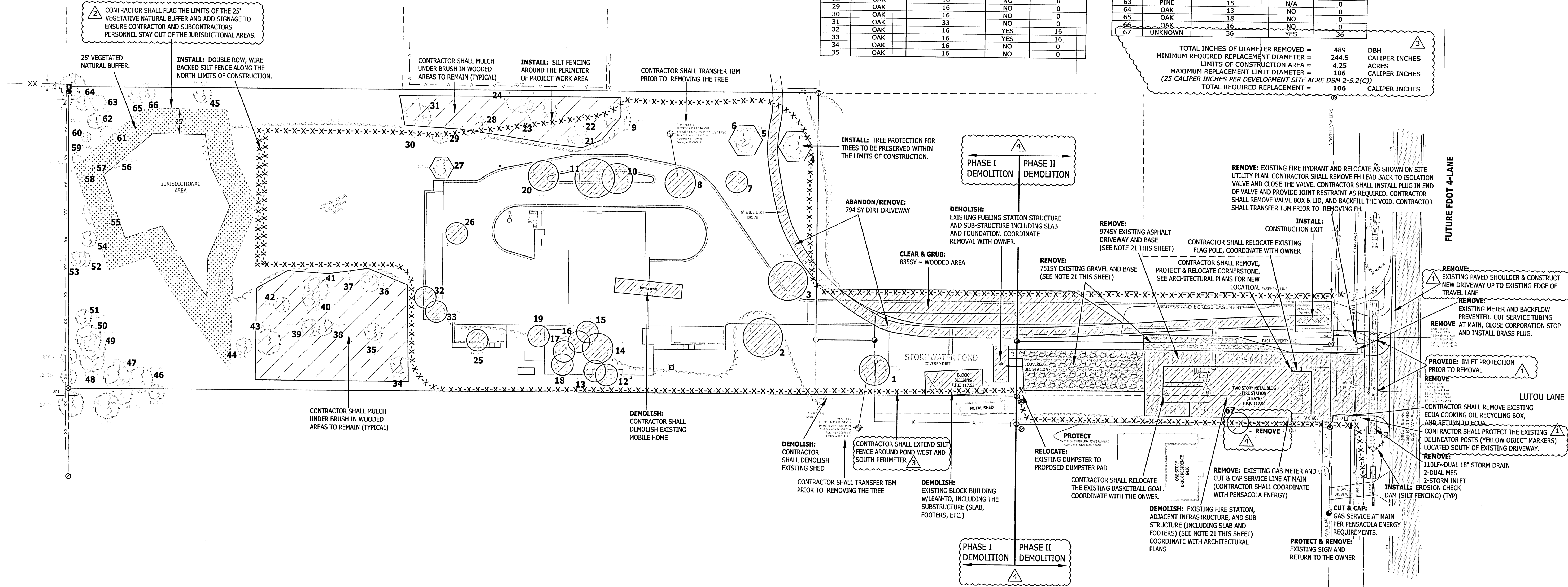
- COORDINATE DISCONNECTION OF ALL UTILITY SERVICES WITH APPROPRIATE UTILITY COMPANIES.
- DEMOLITION WORK SHALL BE COORDINATED WITH EACH PHASE OF THE WORK. DO NOT PROCEED WITH ANY DEMOLITION UNTIL SPECIFICALLY AUTHORIZED BY OWNER.
- CONTRACTOR SHALL ROUGH IN STORMWATER POND(S) IMMEDIATELY FOLLOWING CLEARING AND PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.
- EXCAVATED MATERIALS (SPOILS) SHALL BE DISPOSED OF AS REQUIRED IN UPLAND AREAS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS. IF SPOILS ARE TO BE STORED ON SITE EITHER TEMPORARILY OR PERMANENTLY, THE STORAGE LOCATION SHALL BE AN UPLAND AREA APPROVED BY THE OWNER AND ENGINEER. THE SPOILS SHALL BE PREVENTED FROM ERODING WITH THE USE OF SILT FENCING AND GRASSING AS APPROPRIATE.
- EXISTING FIRE STATION AND SUPPORTING INFRASTRUCTURE SHALL REMAIN INTACT AND FULLY OPERATIONAL DURING CONSTRUCTION. ONCE NEW STATION AND INFRASTRUCTURE IS CONSTRUCTED, TESTED, CERTIFIED COMPLETE AND OCCUPIED THE CONTRACTOR CAN BEGIN DEMOLITION OF THE EXISTING STATION AND SUPPORTING INFRASTRUCTURE AS SHOWN ON THIS SHEET.
- CONTRACTOR SHALL LOCATE THE EXISTING SEPTIC TANK AND DRAIN FIELD ON SITE AND ABANDON IN ACCORDANCE WITH LOCAL AND STATE DEPARTMENT OF HEALTH REGULATIONS. NOTE THAT ANY PORTION OF THE SEPTIC TANK OR DRAIN FIELD LOCATED WITHIN TEN (10) FEET OF THE PROPOSED PARKING OR TWENTY FEET (20) FEET OF THE PROPOSED BUILDING SHALL BE COMPLETELY REMOVED.
- DEMOLITION OF THE NON-FIRE STATION SUPPORTING EXISTING BUILDINGS ON SITE SHALL BE COMPLETED AT THE BEGINNING OF CONSTRUCTION SO THAT A PORTION OF THE PROPOSED STORMWATER POND CAN BE CONSTRUCTED.
- THERE ARE A NUMBER OF EXISTING STRUCTURES AND IMPROVEMENTS SHOWN ON SITE THAT ARE SLATED FOR DEMOLITION. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH THE OWNER TO ENSURE THAT THE OWNER AND THE FIRE DEPARTMENT STAFF HAVE AN OPPORTUNITY TO DIRECT WHETHER ITEMS ARE TO BE RETURNED TO THEM OR REMOVED FROM THE SITE.

TREE CHART

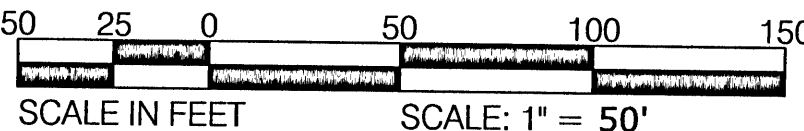
TREE NO.	COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	TO BE REMOVED	CALIPER IN TO BE REPLACED
1	OAK	24	NO	0
2	OAK	48	YES	48
3	OAK	54	YES	54
4	OAK	28	NO	0
5	OAK	24	NO	0
6	OAK	19	NO	0
7	OAK	16	YES	16
8	OAK	26	YES	26
9	OAK	24	NO	0
10	OAK	24	YES	24
11	OAK	48	YES	48
12	OAK	13	YES	13
13	OAK	14	YES	14
14	OAK	26	YES	26
15	OAK	14	YES	14
16	OAK	18	YES	18
17	OAK	15	YES	15
18	OAK	16	YES	16
19	OAK	17	YES	17
20	OAK	36	YES	36
21	OAK	14	NO	0
22	OAK	14	NO	0
23	OAK	36	NO	0
24	OAK	32	NO	0
25	OAK	18	YES	18
26	OAK	18	YES	18
27	OAK	16	NO	0
28	OAK	16	NO	0
29	OAK	16	NO	0
30	OAK	16	NO	0
31	OAK	33	NO	0
32	OAK	16	YES	16
33	OAK	16	YES	16
34	OAK	16	NO	0
35	OAK	16	NO	0

TREE NO.	COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	TO BE REMOVED	CALIPER IN TO BE REPLACED
36	OAK	18	NO	0
37	OAK	12	NO	0
38	OAK	16	NO	0
39	OAK	12	NO	0
40	OAK	24	NO	0
41	OAK	13	NO	0
42	OAK	14	NO	0
43	OAK	25	NO	0
44	OAK	15	NO	0
45	OAK	18	NO	0
46	OAK	28	NO	0
47	OAK	33	NO	0
48	OAK	22	NO	0
49	OAK	36	NO	0
50	OAK	27	NO	0
51	OAK	18	NO	0
52	OAK	20	NO	0
53	OAK	18	NO	0
54	OAK	14	NO	0
55	OAK	48	NO	0
56	OAK	16	NO	0
57	OAK	16	NO	0
58	OAK	30	NO	0
59	PINE	15	N/A	0
60	OAK	10	N/A	0
61	PINE	15	NO	0
62	OAK	13	NO	0
63	PINE	15	N/A	0
64	OAK	13	NO	0
65	OAK	18	NO	0
66	OAK	16	NO	0
67	UNKNOWN	36	YES	36

TOTAL INCHES OF DIAMETER REMOVED = 489
MINIMUM REQUIRED REPLACEMENT DIAMETER = 244.5 DBH CALIPER INCHES
LIMITS OF CONSTRUCTION AREA = 4.25 ACRES
MAXIMUM REPLACEMENT LIMIT DIAMETER = 106 CALIPER INCHES
(25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSM 2-5.2(C))
TOTAL REQUIRED REPLACEMENT = 106 CALIPER INCHES



GRAPHIC SCALE:



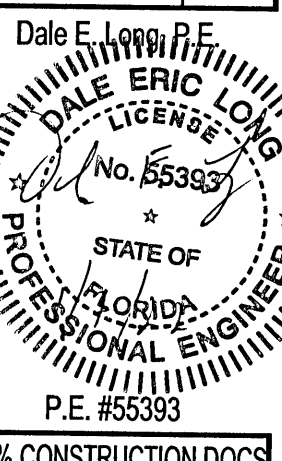
8574 Turkey Bluff Road • Navarre, Florida 32568 • p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

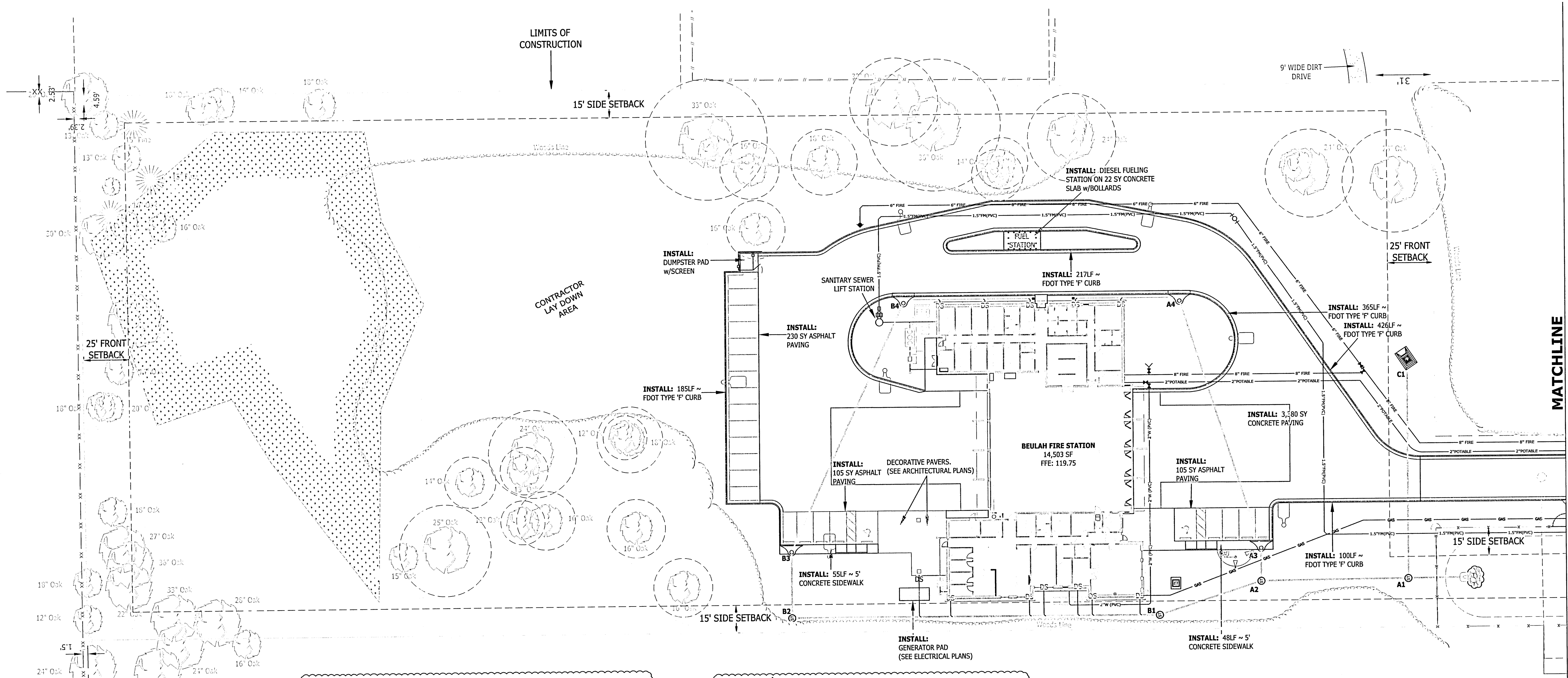
DEMOLITION AND EROSION CONTROL PLAN (BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule	
1	F.D.O.T. COMMENTS 11-22 2021
2	ERP COMMENTS 12-17 2021
3	ESC COUNTY COMMENTS 12-17 2021
4	OWNER COMMENTS 12-17 2021



100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C201	
SHEET # 07 OF 26	



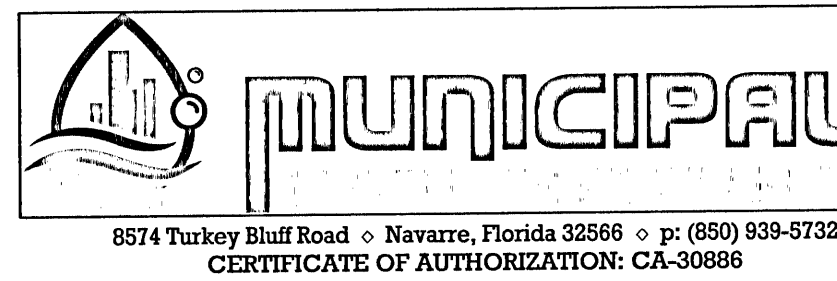
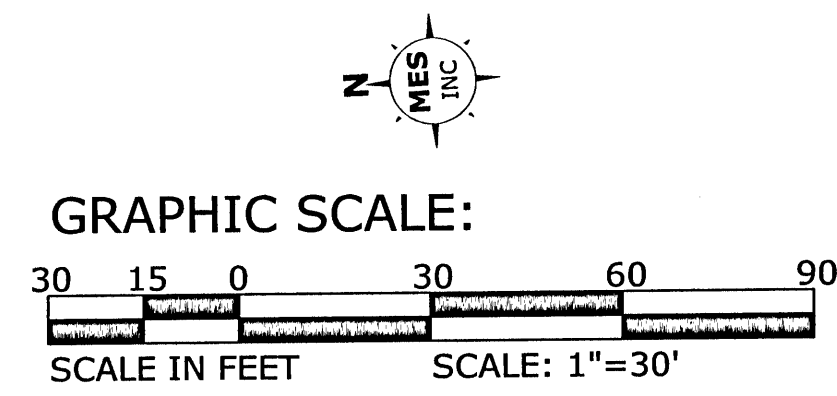
- CONSTRUCTION SEQUENCE NOTES:**
- UPON ISSUANCE OF NOTICE TO PROCEED THE CONTRACTOR SHALL BEGIN DEMOLITION AND CLEARING AND GRUBBING OPERATIONS ASSOCIATED WITH PHASE I DEMOLITION AS NOTED ON SHEET C-201.
 - THE CONTRACTOR IS ADVISED THAT THE EXISTING FIRE STATION SHALL REMAIN IN OPERATION FOR THE DURATION OF THE NEW CONSTRUCTION ALL THE WAY THROUGH THE CERTIFICATE OF OCCUPANCY. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MAINTAIN ACCESS AND ALL UTILITY SERVICES TO THE EXISTING FIRE STATION AT ALL TIMES.
 - DURING PHASE I OPERATIONS, THE CONTRACTOR SHALL CONSTRUCT AS MUCH OF THE PROPOSED STORMWATER POND AS POSSIBLE. THE CONTRACTOR WILL BE RESPONSIBLE FOR MANAGING THE WATER IN THIS POND AND DISCHARGING IT TO THE FDOT RIGHT-OF-WAY. DISCHARGE WATER SHALL BE FILTERED TO REMOVE SEDIMENTS PRIOR TO DISCHARGE. POND OVERTOPPING AND DISCHARGE TO ADJACENT PROPERTIES WILL NOT BE ALLOWED.
 - ONCE APPROVAL TO OCCUPY THE NEW FIRE STATION IS GRANTED BY THE AHJ, THE FIRE DEPARTMENT STAFF WILL BE GRANTED 10 DAYS TO DEMOBILIZE AND MOVE THEIR OPERATIONS FROM THE EXISTING FIRE STATION INTO THE NEWLY CONSTRUCTED FIRE STATION.
 - ONCE THE EXISTING FIRE STATION HAS BEEN COMPLETELY ABANDONED AND THE OWNER HAS PROVIDED WRITTEN AUTHORIZATION TO THE CONTRACTOR, PHASE II DEMOLITION AND CLEARING AND GRUBBING SHALL BEGIN.
 - THE PHASE II DEMOLITION SHALL CONSIST OF, BUT IS NOT LIMITED TO, THE EXISTING FIRE STATION, COMPLETE, AS NOTED ON THE DOCUMENTS. IN ADDITION TO THE EXISTING FIRE STATION, DEMOLITION SHALL INCLUDE ALL ASSOCIATED PAVING, CONCRETE, SEPTIC SYSTEM, SUPPORTING INFRASTRUCTURE, ETC. THAT IS NOTED ON THE PLANS FOR REMOVAL WHICH HAS NOT ALREADY BEEN DEMOLISHED AS PART OF PHASE I.
 - THE REMAINDER OF THE STORMWATER POND ALONG WITH THE UNDERDRAIN, PUMP, AND OVERFLOW STRUCTURES SHALL BE CONSTRUCTED AS SOON AS PRACTICAL AFTER THE DEMOLITION OF THE EXISTING BUILDING AND ALL OTHER WORK NOTED IN ITEM 6. TH CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING THE WATER IN THE POND AND PREVENTING OVERTOPPING ONTO ADJACENT PROPERTIES, UNTIL THE STORMWATER POND IS COMPLETE AND FUNCTIONAL.

- NOTES:**
- ALL PROTECTED TREES SHALL REMAIN ON SITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE ESCAMBIA COUNTY DRC APPROVAL AND PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.
 - ALL TREE REMOVAL, LAND CLERING, PLACEMENT OF FILL, AND ANY OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED OR OTHERWISE APPROVED BY COUNTY PRIOR TO INITIATION OF SITE WORK.

SITE INFORMATION		
	SF	AC
TOTAL PARCEL AREA =	261,948	6.01
LIMITS OF CONSTRUCTION =	224,518	5.15
PRE-DEVELOPED		
PERVIOUS AREA =	184,930	4.25
WOODED AREA =	19,312	0.44
SEMI-IMPERVIOUS AREA (GRAVEL) =	6,795	0.16
IMPERVIOUS AREA =	13,481	0.31
CONCRETE =	1,291	
ASPHALT =	5,178	
BUILDINGS =	7,012	
POST-DEVELOPED		
PERVIOUS AREA =	156,956	3.6
PAVERS/SEMI-PERVIOUS AREA =	540	0.01
IMPERVIOUS AREA =	67,022	1.54
CONCRETE PAVING =	34,967	
CONCRETE SIDEWALK =	1,672	
ASPHALT =	14,684	
BUILDINGS =	15,699	
PERCENT PERVIOUS COVER =	70%	
	(30% Minimum per LDC)	
FLOOR AREA RATIO (FAR) =	0.07	
	(1.0 Maximum per LDC)	

ADDED CRITICAL ROOT ZONE FOR ALL REMAINING TREES WITHIN THE LIMITS OF CONSTRUCTION.

BUILDING SETBACKS
FRONT & REAR = 25 FEET
SIDE = 15 FEET



TOWNES architects, P.A.
ARCHITECTS
2421 North 12th Avenue
Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

SITE PLAN
(NORTH END OF SITE)
(BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

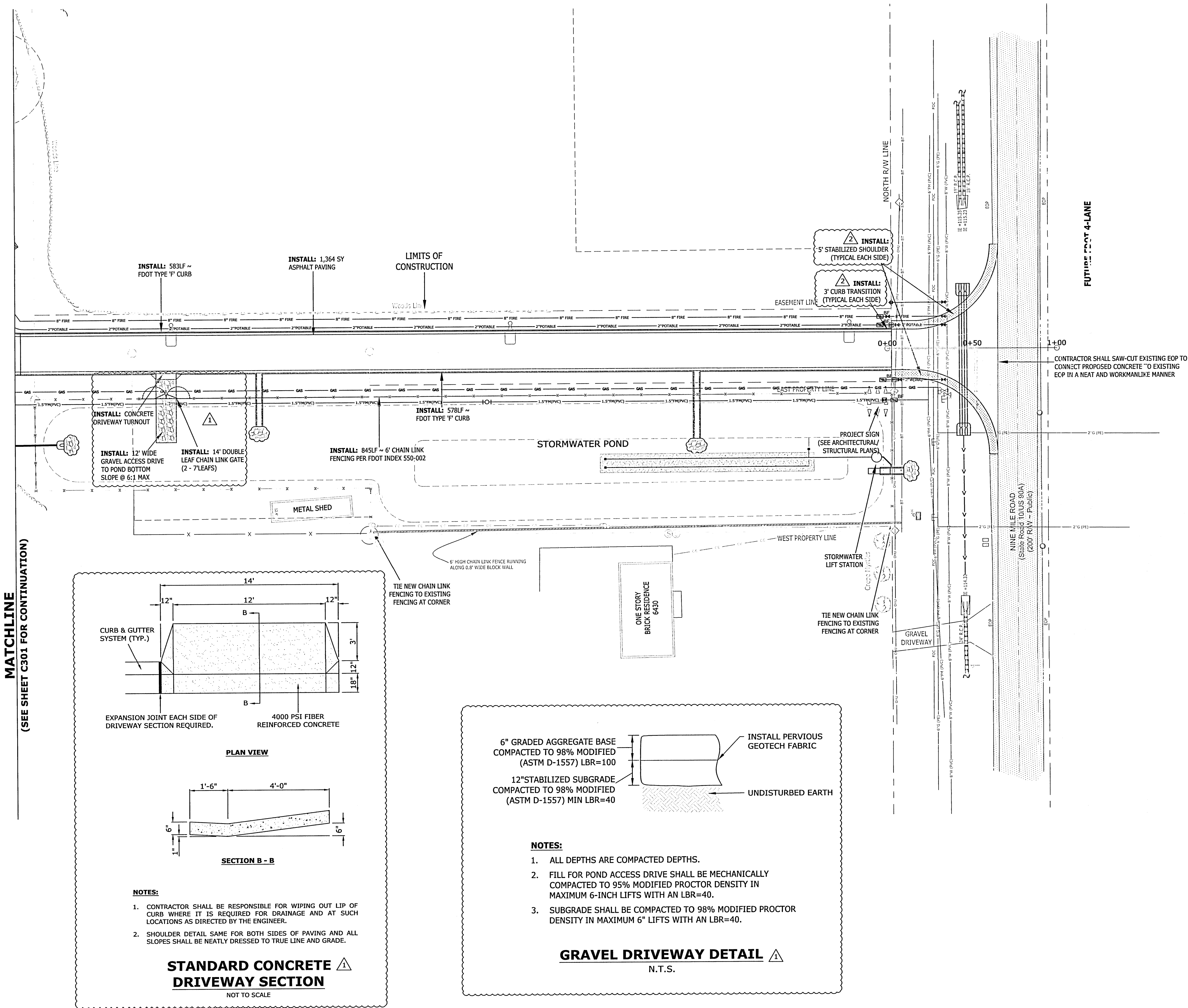
Revision Schedule		
ESC COUNTY COMMENTS	12-17 2021	
OWNERS COMMENTS	12-17 2021	

Dale E. Long, P.E.

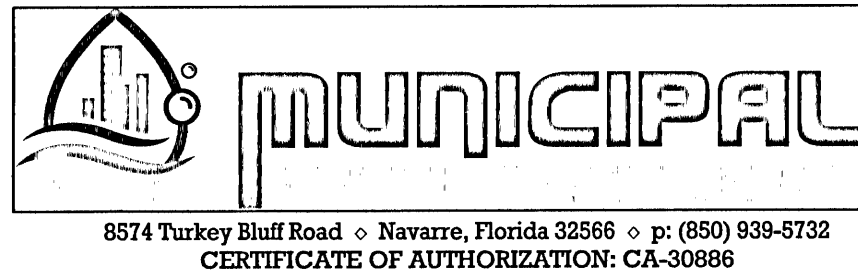
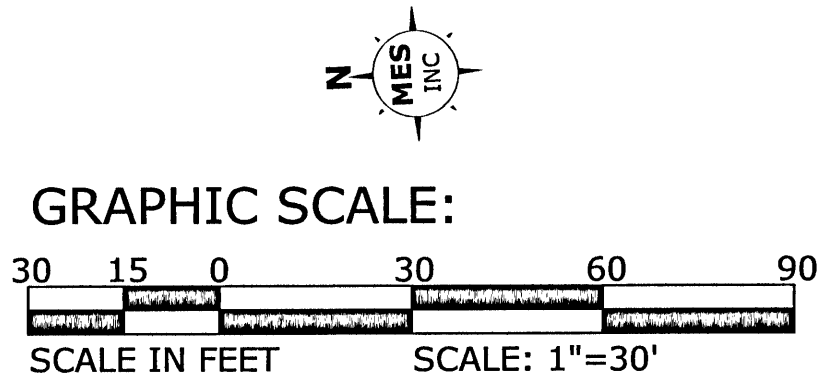
100% CONSTRUCTION DOCS
Scale: AS NOTED
Date: JULY 28, 2021
Job No. 140006-005
Filename: SEE LEFT
Drawn: EMD
Checked: DEL

C301
SHEET # 08 OF 26

M:\2011\140006-005 Esc Cnty FS Beulah\DWG\Sheets\30 C-300 Site Plan.dwg, 302 SITE PLAN 2, 1/4/2022 2:38:15 PM



- NOTES:**
1. ALL PROTECTED TREES SHALL REMAIN ON SITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE ESCAMBIA COUNTY DRC APPROVAL AND PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.
 2. ALL TREE REMOVAL, LAND CLERING, PLACEMENT OF FILL, AND ANY OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED OR OTHERWISE APPROVED BY COUNTY PRIOR TO INITIATION OF SITE WORK.



TOWNES architects, P.A.
ARCHITECTS PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

SITE PLAN
(SOUTH END OF SITE)
(BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule		
ESC COUNTY COMMENTS	12-17 2021	
FDOT COMMENTS	11-22 2021	

Dale E. Long

DALE ERIC LONG
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 55338

P.E. #55338

100% CONSTRUCTION DOCS

Scale: AS NOTED

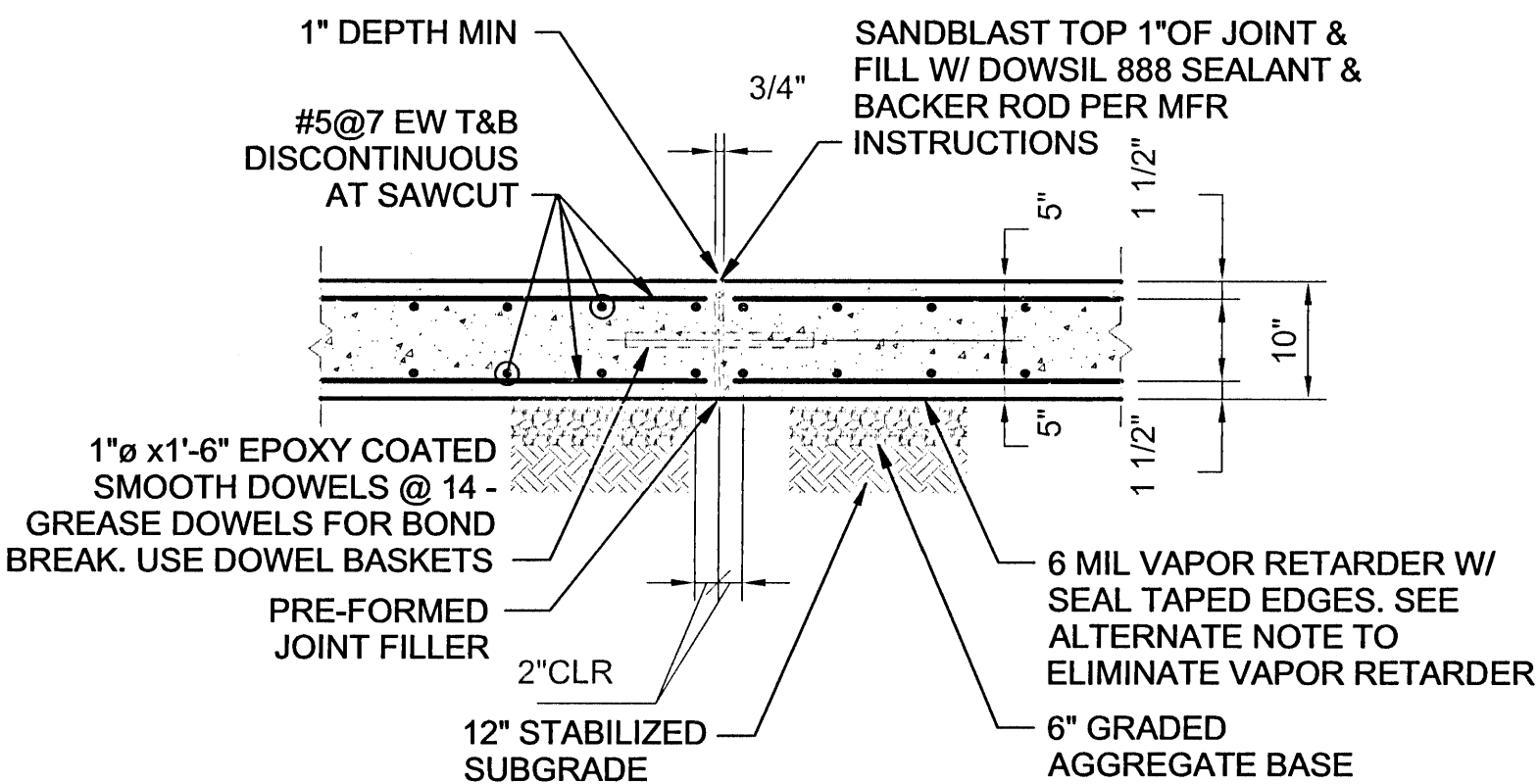
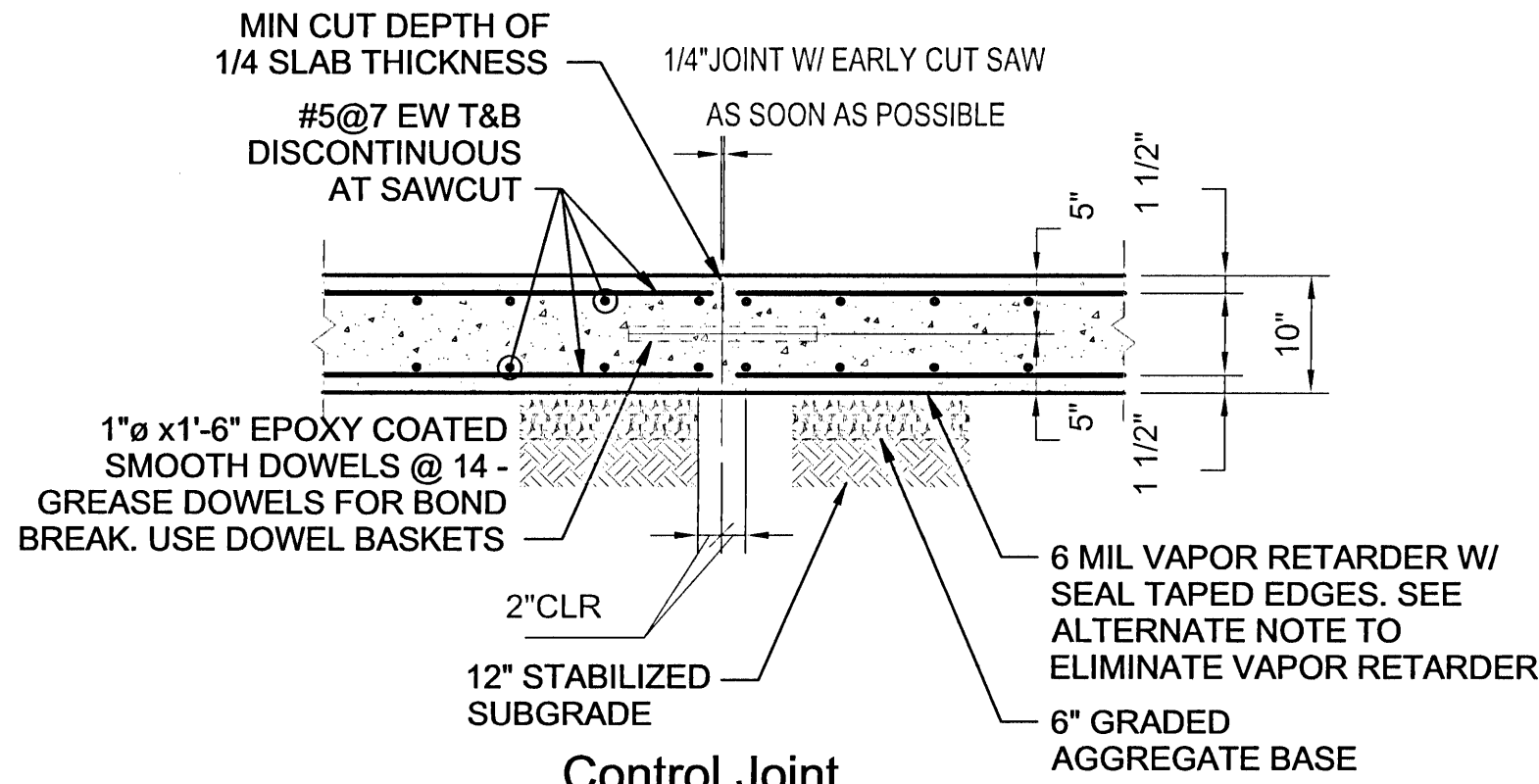
Date: JULY 28, 2021

Job No. 140006-005 Filename: SEE LEFT

Drawn: EMD Checked: DEL

C302

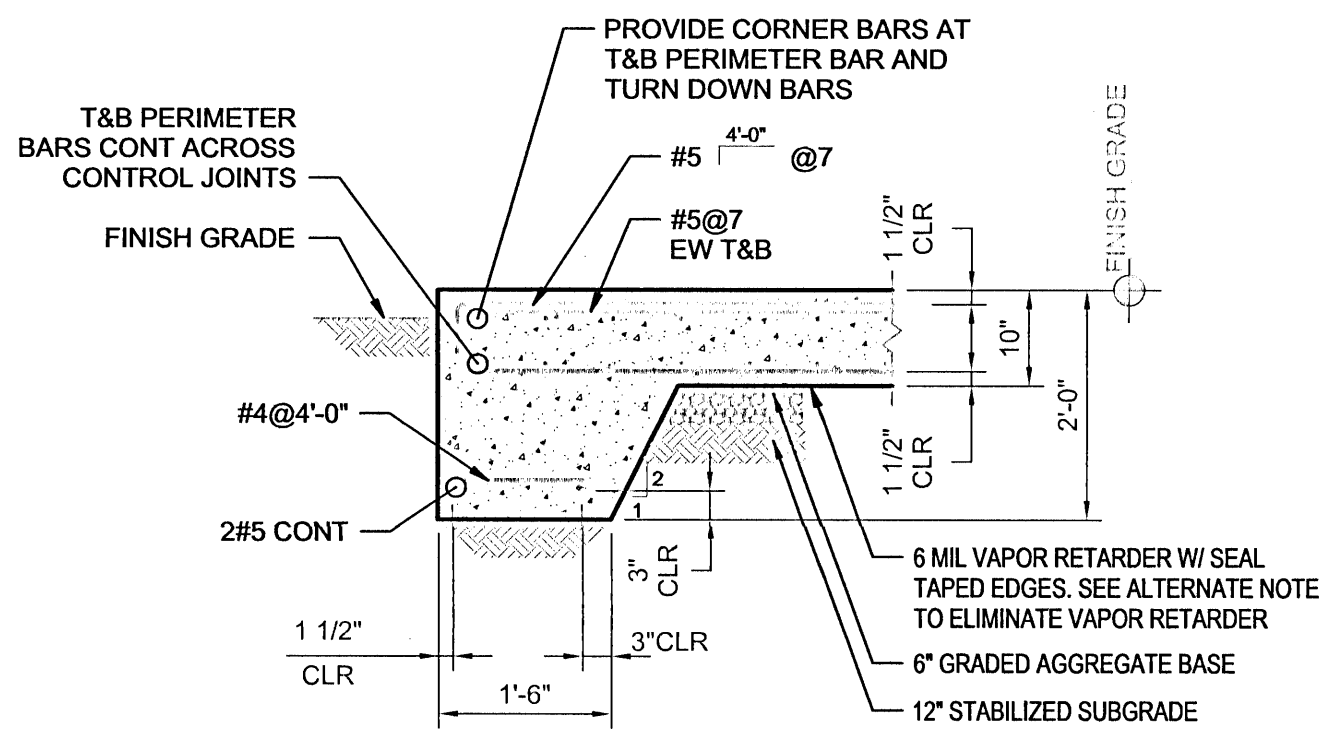
SHEET # 09 OF 26



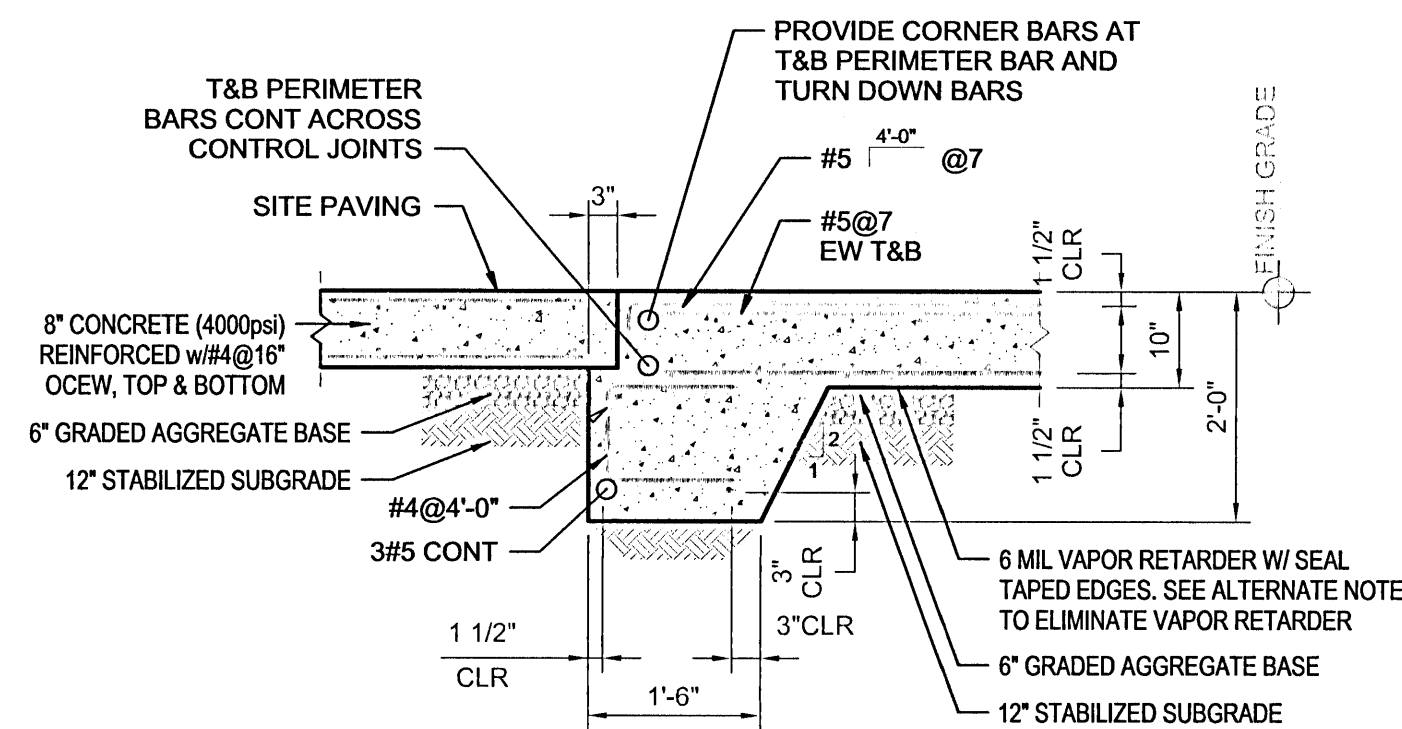
- NOTES:
1. SAWCUT TO TAKE PLACE WITHIN 4-12 HOURS OF FINISHING CONCRETE: 4 HOURS IN HOT WEATHER, 12 HOURS IN COLD WEATHER.
 2. DO NOT PLACE CONSTRUCTION JOINTS WITHIN THICKENED AREA UNLESS REQUIRED DUE TO UNFORESEEN CONDITONS

10" Slab Control Joint Details

JOINT TYPE IS OPTIONAL



SLAB EDGE AT FREE EDGE

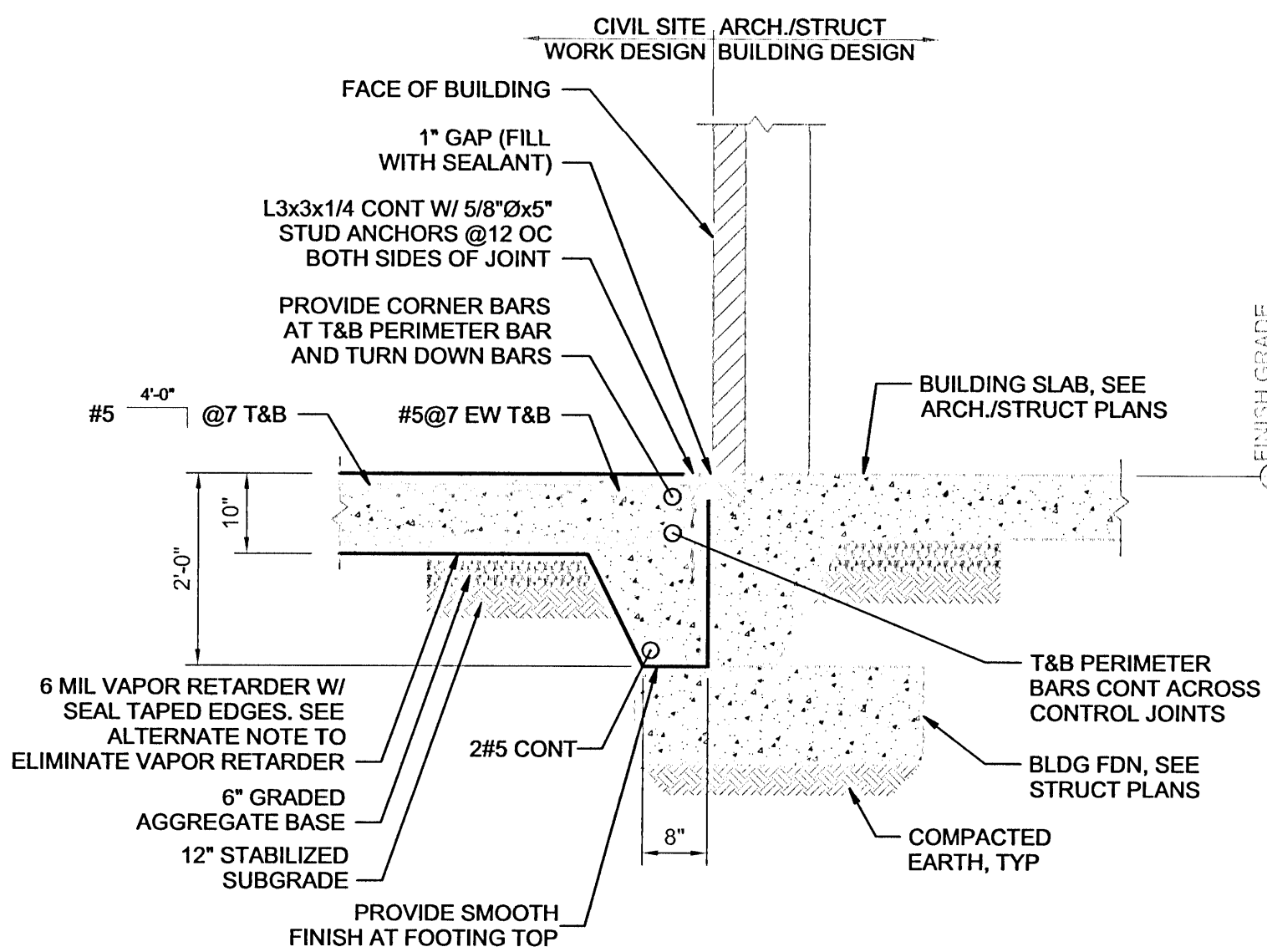
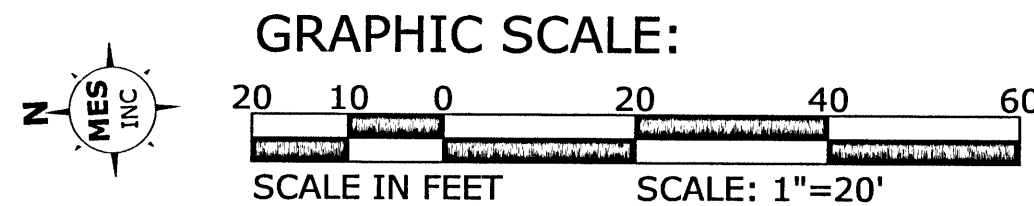
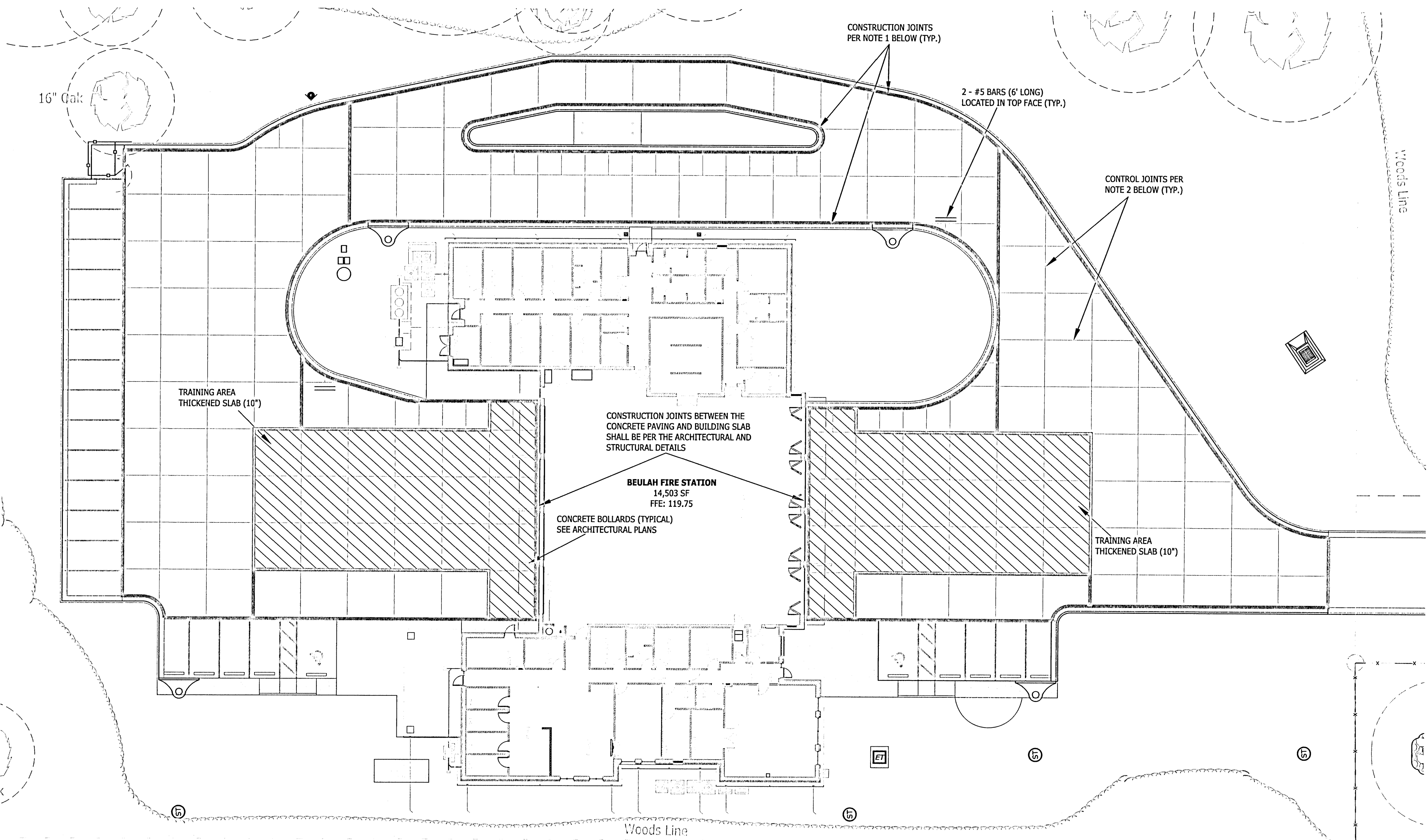


SLAB EDGE AT TRANSITION TO TYPICAL SITE PAVING

Tension Lap Splice Lengths				
BAR SIZE	$f_c = 4000$			
	TOP BARS		OTHER BARS	
	A	B	A	B
#3	19"	24"	15"	19"
#4	25"	32"	19"	25"
#5	31"	40"	24"	31"
#6	37"	48"	29"	37"

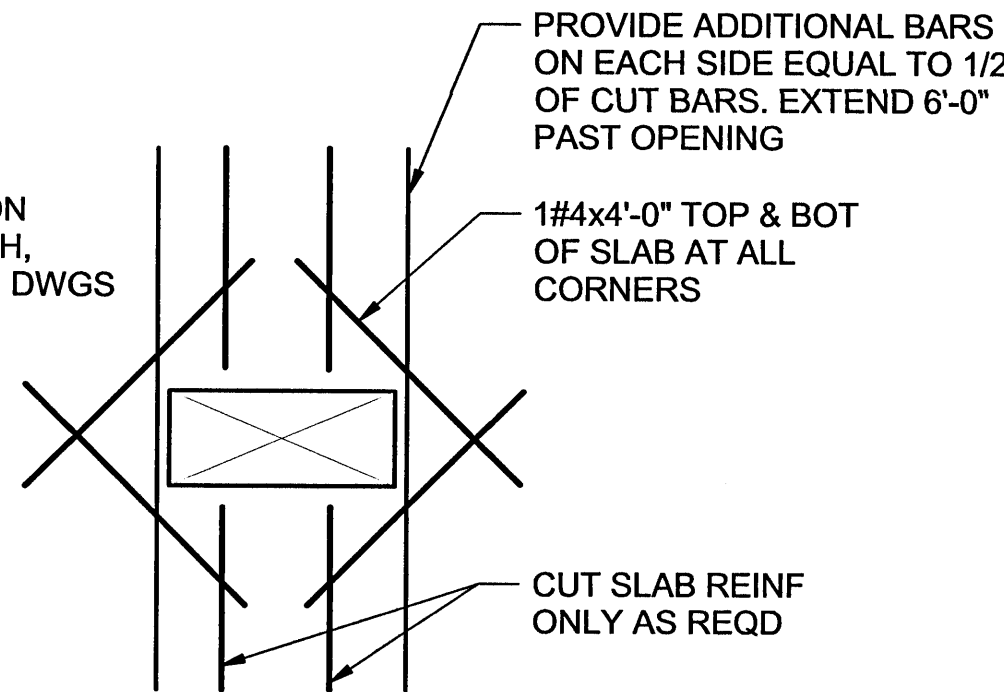
TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

- NOTES:
1. ALL CONCRETE PAVING SHALL BE 8" THICK EXCEPT IN TESTING AREA WHERE IT WILL BE 10" THICK.
 2. 1/2" FELT EXPANSION JOINTS SHALL BE PROVIDED AROUND THE PERIMETER OF THE CONCRETE PAVING AS SHOWN.
 3. CONTROL JOINTS SHALL BE 1/2" WIDE BY 2" DEEP AND INSTALL IN 14"x 14" GRID PER THE GEOTECHNICAL REPORT AND AS SHOWN.
 4. EXPANSION AND CONTROL JOINTS FOR CONCRETE CURBING AND SIDEWALK SHALL BE PER THE TYPICAL DETAILS.
 5. CONTRACTOR SHALL REFER TO GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION REGARDING RIGID PAVEMENT SECTION DESIGN.
 6. CONCRETE IS TO BE NORMAL WEIGHT CONCRETE WITH A MAXIMUM W/C RATIO OF 0.50 AND A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 7. ALTERNATE TO VAPOR RETARDER: IN LIEU OF PROVIDING VAPOR RETARDER, THE SLAB THICKNESS MAY BE INCREASED TO 11 1/2" AND THE BOTTOM REINFORCING STEEL PLACED AT 3" CLEAR INSTEAD OF 1 1/2" CLEAR.
 8. UTILIZE RUSTPROOF CHAIRS THAT WILL PREVENT SUBSIDENCE INTO THE SUBGRADE DURING CONCRETE PLACEMENT. IF CONCRETE BRICK IS UTILIZED, IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
 9. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
 10. REINFORCING BARS: ASTM A615 GRADE 60. SPLICES SHALL BE CLASS "B" TENSION LAP SPICE, UNLESS NOTED.
 11. REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPICE, UNLESS NOTED.
 12. 6" GRADED AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) LBR=100.
 13. 12" STABILIZED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM-1557) MIN LBR=100.



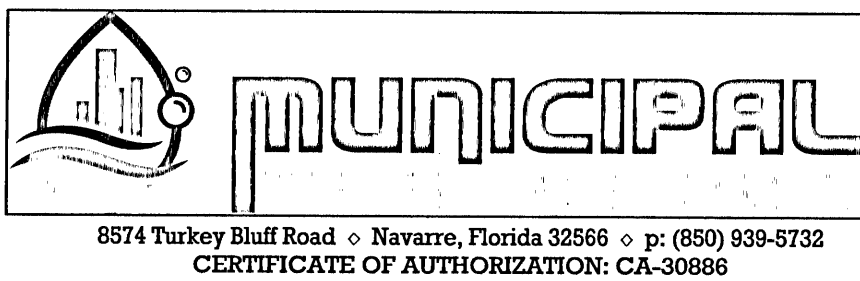
SLAB EDGE DETAIL AT BUILDING

NOTE:
FOR SIZE & LOCATION OF OPNGS SEE MECH, PLBG, ELEC & ARCH. DWGS



Concrete Slab Opening Detail

NOTE:
OPENING TO BE A MAXIMUM OF 1'-0" WIDE WITHIN THICKENED SLAB AREA.

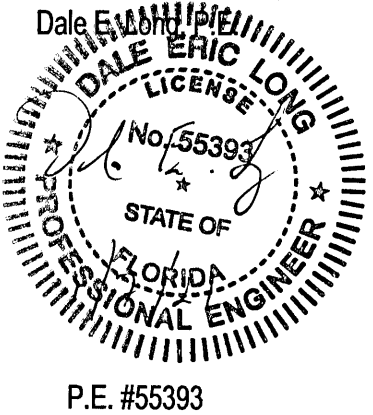


TOWNES architects, P.A.
ARCHITECTS PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

CONCRETE JOINT PLAN
(BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

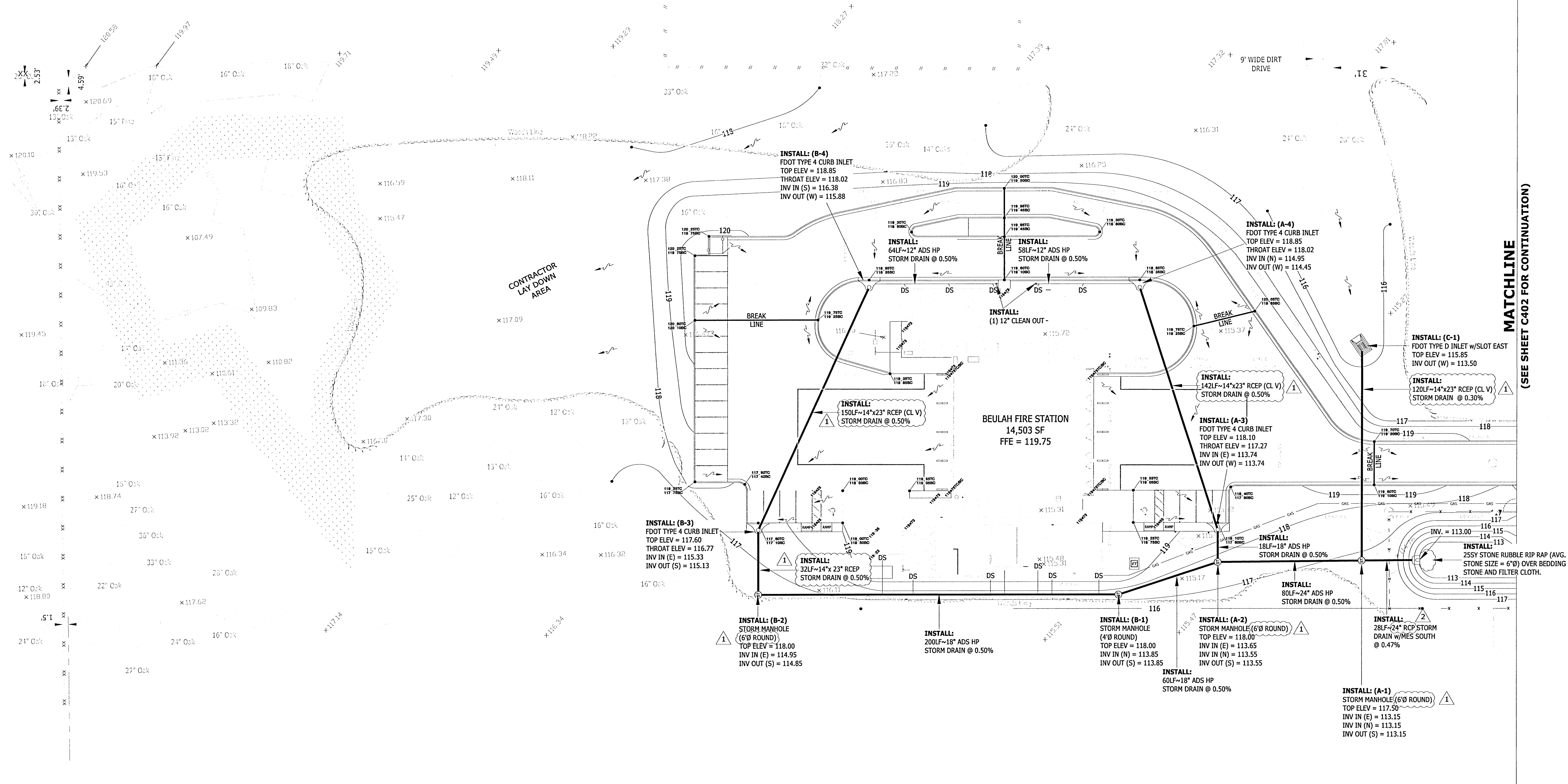
Revision	Schedule



100% CONSTRUCTION DOCS
Scale: AS NOTED
Date: JULY 28, 2021
Job No. 140006-005
Drawn: EMD
Checked: DEL
P.E. #55393
STATE OF FLORIDA
Professional Engineer
No. 55393

C303
SHEET # 10 OF 26

MA\20\41\0006-005 Esc Only FS Beulah\DWG\Sheets\30 C-300 Site Plan.dwg - 401 GRADING AND DRAINAGE, 1/4/2022 2:26:32 PM



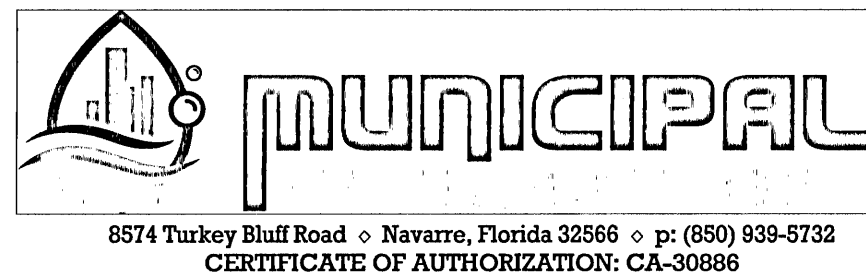
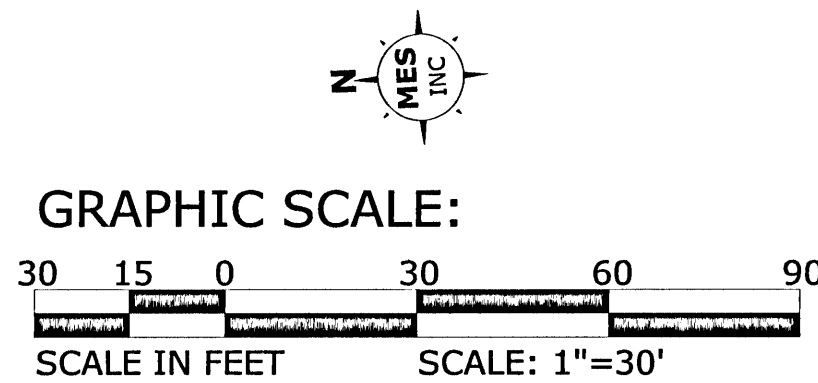
PAVING GRADING AND DRAINAGE NOTES:

- ALL DRAINAGE STRUCTURES ARE TO BE TRAFFIC RATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- AFTER THE DRIVEWAY, PARKING, DRIVE AISLES HAVE/HAS BEEN CONSTRUCTED TO SUBGRADE, THEY SHALL BE PROOF-ROLLED TO ASSURE THAT PROPER COMPACTION HAS BEEN ATTAINED. THE PROOF-ROLLING AND COMPACTION OPERATIONS SHALL BE INSPECTED AND TESTED BY A FLORIDA LICENSED GEOTECHNICAL ENGINEER TO ASSURE THAT THE SPECIFIED COMPACTION IS MAINTAINED AND ALL DELETERIOUS MATERIALS HAVE BEEN REMOVED.
- ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE A MINIMUM CLASS III, UNLESS OTHERWISE APPROVED OR NOTED ON THE PLANS OR SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR GRADING/PAVING ALL ROADWAYS TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE PROPOSED GRADES AND FLOW ARROWS ON THE PLANS. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. IF AN AREA OF POOR DRAINAGE IS OBSERVED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PAVING SO THAT A SOLUTION OR RECOMMENDATION FOR CORRECTION CAN BE MADE.
- ALL STORMWATER JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
- CONTRACTOR SHALL SCREED ALL SIDEWALKS 1/4" PER FOOT AWAY FROM THE BUILDING.
- ALL HANDICAP ACCESSIBLE SIDEWALKS/ROUTES SHALL BE CONSTRUCTED TO LIMIT CROSS SLOPES TO 2.0% MAXIMUM.
- ALL NEW AND EXISTING ROOF DRAINS, DOWNSPOUTS, AND GUTTERS SHALL BE DIRECTED TOWARDS PROPOSED/EXISTING STORMWATER SYSTEM AS SHOWN ON THE PLANS.
- CONTRACTOR SHALL REFER TO MECHANICAL/ARCHITECTURAL PLANS FOR CONNECTIONS TO DOWNSPOUTS AND ROOF DRAINS AT THE FACE OF BUILDING.

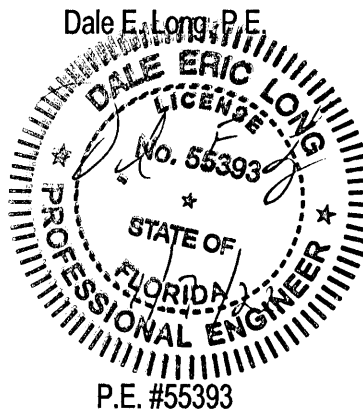
- SLOPES FOR PROPOSED PIPES FROM DOWNSPOUTS TO HEADER LINES SHOWN ON THE PLANS ARE TO BE CONSIDERED MINIMUM SLOPES. CONTRACTOR SHALL ADJUST PIPE SLOPES AS REQUIRED TO CONNECT TO ROOF DRAINS (PROPOSED AND EXISTING). CONTRACTOR SHALL NOTE FINAL SLOPES ON AS-BUILT DRAWING.
- ALL NEW CURBING AND SIDEWALK SHALL ABUT/TIE-IN TO EXISTING CURBING AND SIDEWALK WITH A CONSTRUCTION JOINT. EXISTING EDGES SHALL BE CUT IN STRAIGHT LINES TO PRESENT A WORKMANLIKE CONNECTION. ABUTTING EDGES SHALL BE CONSTRUCTED FLUSH TO ELIMINATE TRIPPING HAZARDS.
- AS A CONDITION OF THE ENVIRONMENTAL RESOURCE PERMIT, THE CONTRACTOR SHALL:
 - KEEP A COPY OF THE PERMIT ON SITE.
 - REVIEW THE PERMIT PRIOR TO CONSTRUCTION COMMENCEMENT.
 - PROVIDE AN 8-1/2" X 11" WEATHER-PROOF ENCLOSURE INCLUDING THE PERMIT NUMBER FACING THE ROAD ON SITE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING CONSTRUCTION AND SUBMITTING A NOTICE OF CONSTRUCTION COMMENCEMENT AND AN AS-BUILT CERTIFICATION FOR THE PROJECT UPON COMPLETION.
- THE CONTRACTOR SHALL GRADE ALL POND BOTTOMS TO DRAIN TOWARDS THE SAND FILTER OR THE EQUALIZER PIPES AS APPROPRIATE.
- ALL PROTECTED TREES SHALL REMAIN ON SITE AND ANY PROPOSED LAND CLEARING/LAND DISTURBING ACTIVITIES INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE ESCAMBIA COUNTY DRC APPROVAL AND PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.
- ALL TREE REMOVAL, LAND CLERING, PLACEMENT OF FILL, AND ANY OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED OR OTHERWISE APPROVED BY COUNTY PRIOR TO INITIATION OF SITE WORK.

STORMWATER MAINTENANCE NOTES:

- THE STORMWATER FACILITY SHALL BE MAINTAINED AS NECESSARY IN ORDER TO PROVIDE FOR CONTINUED OPERATION AS DESIGNED.
- THE OWNER SHALL KEEP ALL PONDS, INLETS, FLUMES, AND/OR SWALES FREE OF ACCUMULATED DEBRIS, SILTATION, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD AFFECT THEIR OPERATION.
- THE SCHEDULE FOR SUCH MAINTENANCE ACTIVITIES SHALL BE ON AN AS-NEEDED BASIS, DEPENDING ON THE RATE OF DEBRIS ACCUMULATION, GRASS AND VEGETATION GROWTH, AND OTHER VARYING CONDITIONS.
- IN GENERAL, THE PROCEDURES AND SCHEDULE OF MAINTENANCE ACTIVITIES SHALL CONFORM TO THE STANDARD OPERATIONAL AND MAINTENANCE PROVISIONS AS UTILIZED BY ESCAMBIA COUNTY, FLORIDA, IN ITS MAINTENANCE OF PUBLIC STORMWATER FACILITIES.
- FAILURE TO COMPLY AND CONTINUALLY MAINTAIN ALL APPROVED ELEMENTS OF AN APPROVED SITE PLAN, INCLUDING LANDSCAPE, APPEARANCE AND OTHER SITE DEVELOPMENT PERFORMANCE STANDARDS SHALL BE A VIOLATION OF COUNTY ORDINANCE SUBJECT TO ENFORCEMENT AND PENALTIES.
- SOD IS REQUIRED FOR ALL OF PONDS, UNLESS OTHERWISE NOTED ON THE DETAILS. SOD FOR PONDS SHALL BE EXTENDED TO A MINIMUM OF 5 FEET BEYOND THE POND TOP ELEVATION. TWO ROWS OF SOD IS ALSO REQUIRED ADJACENT TO ALL PAVED AREAS. SOD SHALL BE WATERED IN AT THE CONTRACTOR'S EXPENSE UNTIL FULLY ROOTED AND GROWING. SOD SHALL BE PINNED FOR ALL SLOPES STEEPER THAN 4:1.



Revision Schedule		
Δ	FDOT COMMENTS	11-22 2021
Δ	ESC COUNTY COMMENTS	12-17 2021



100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C401	
SHEET # 11 OF 26	

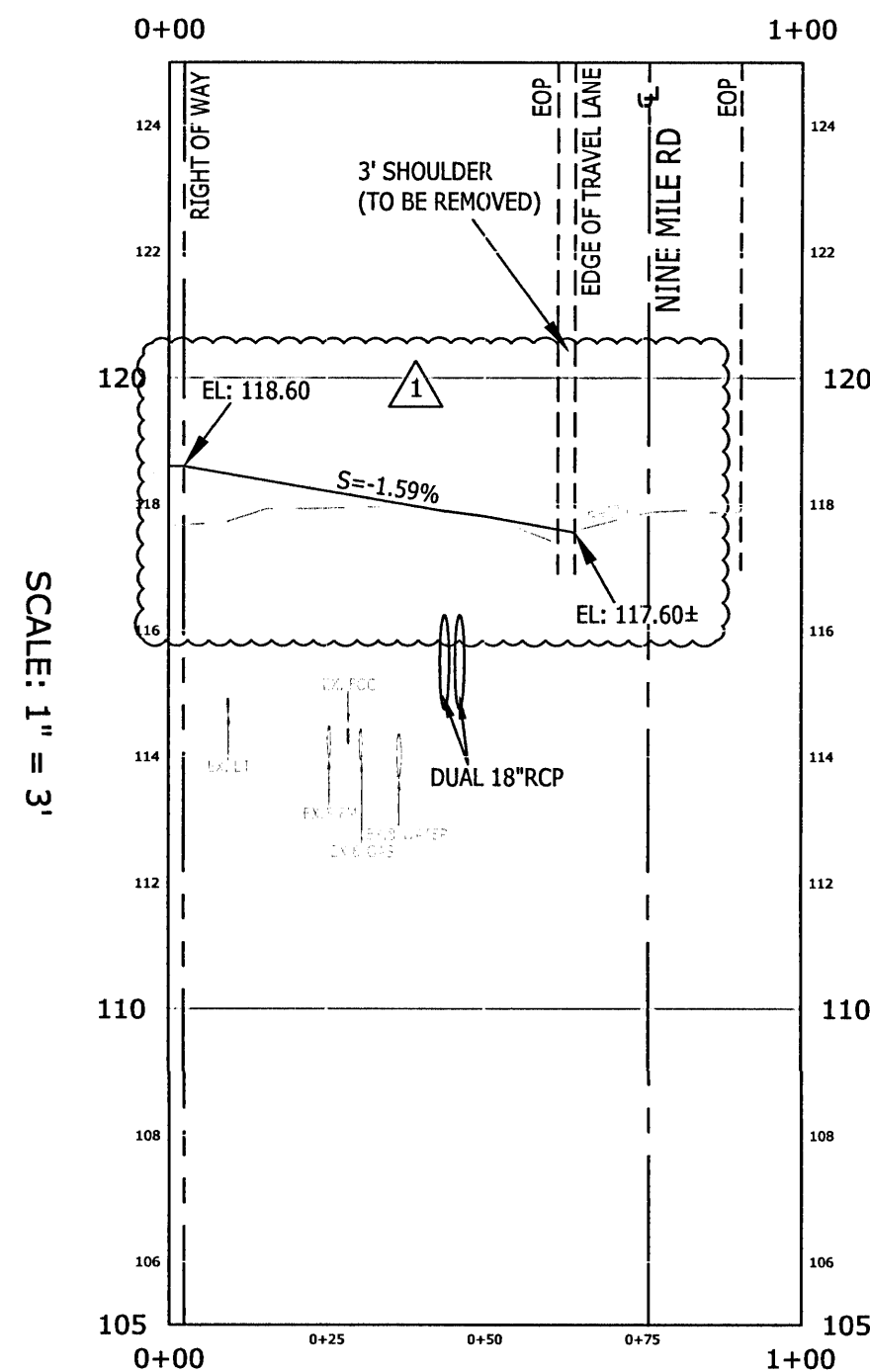
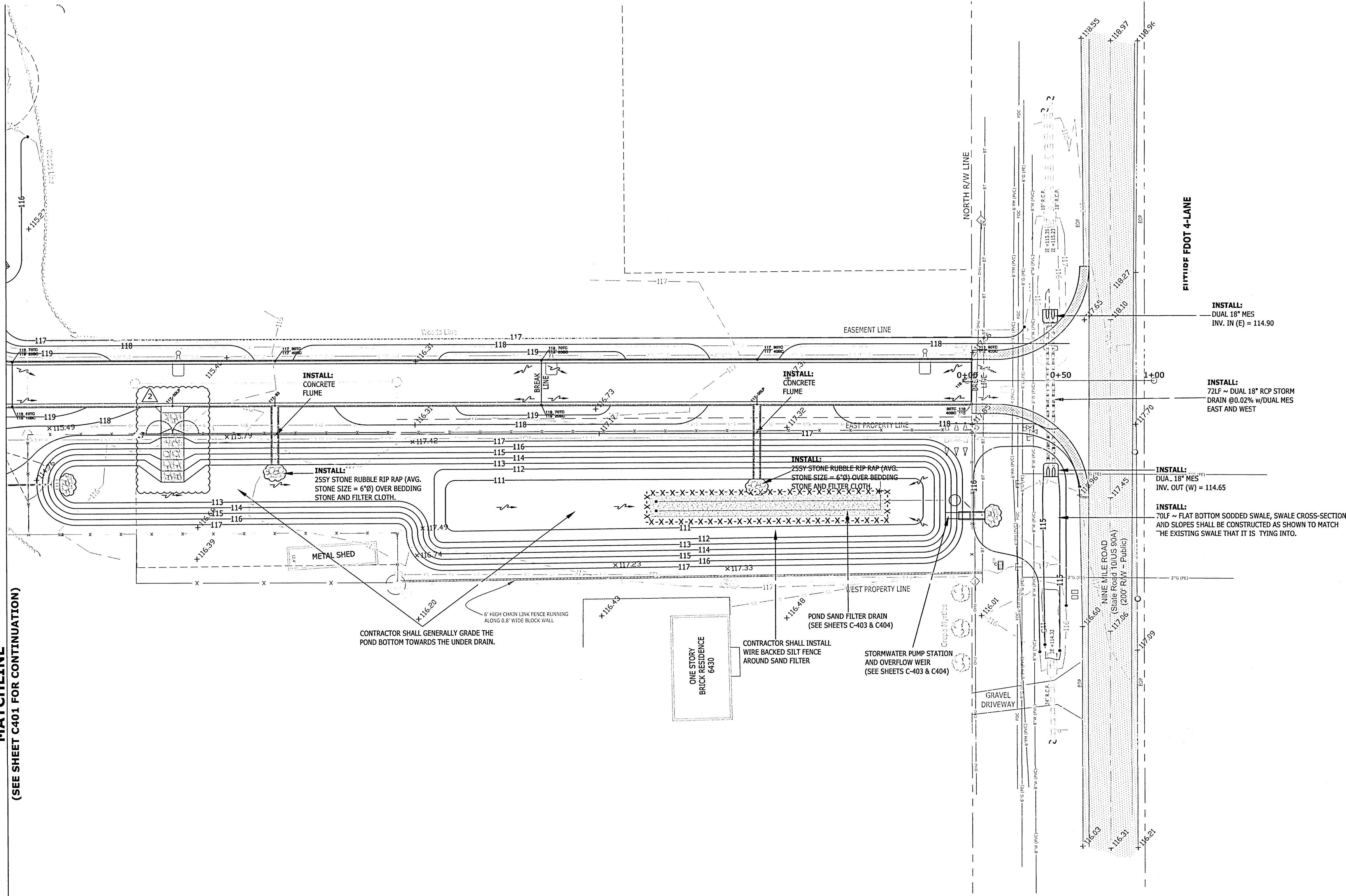
TOWNES architects, P.A.
ARCHITECTS PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

GRADING AND DRAINAGE PLAN
(NORTH END OF SITE)
(BEULAH)

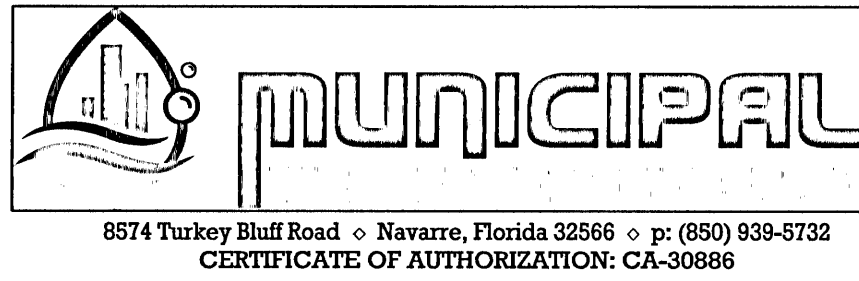
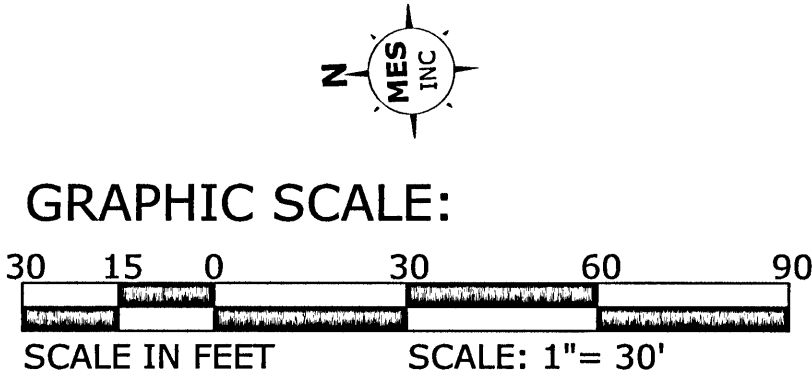
BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

M:\1\2014\1-0006-005 Esc City FS Beulah\DWG(Sheets)\30 C-300 Site Plan.dwg, 402 GRADING AND DRAINAGE, 1/4/2022 2:39:17 PM

MATCHLINE
(SEE SHEET C401 FOR CONTINUATION)



SCALE: 1" = 30'
DRIVEWAY SECTION



Revision Schedule	
FDOT COMMENTS	12-17 2021
ESC COUNTY COMMENTS	12-17 2021

Dale E. Long, P.E.
Professional Engineer
No. 55390
STATE OF FLORIDA

100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No.	140006-005
Drawn:	EMD
Checked:	DEL

C402
SHEET # 12 OF 26

GRADING AND DRAINAGE PLAN
(SOUTH END OF SITE)
(BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

TOWNES architects, P.A.
ARCHITECTS
2421 North 12th Avenue
Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

MA\2014\140006-005 Esc Cnty FS Beulah\DWG\Sheets\30 C-300 Site Plan.dwg, 403 STORMWATER POND, 1/5/2022 2:47:08 PM

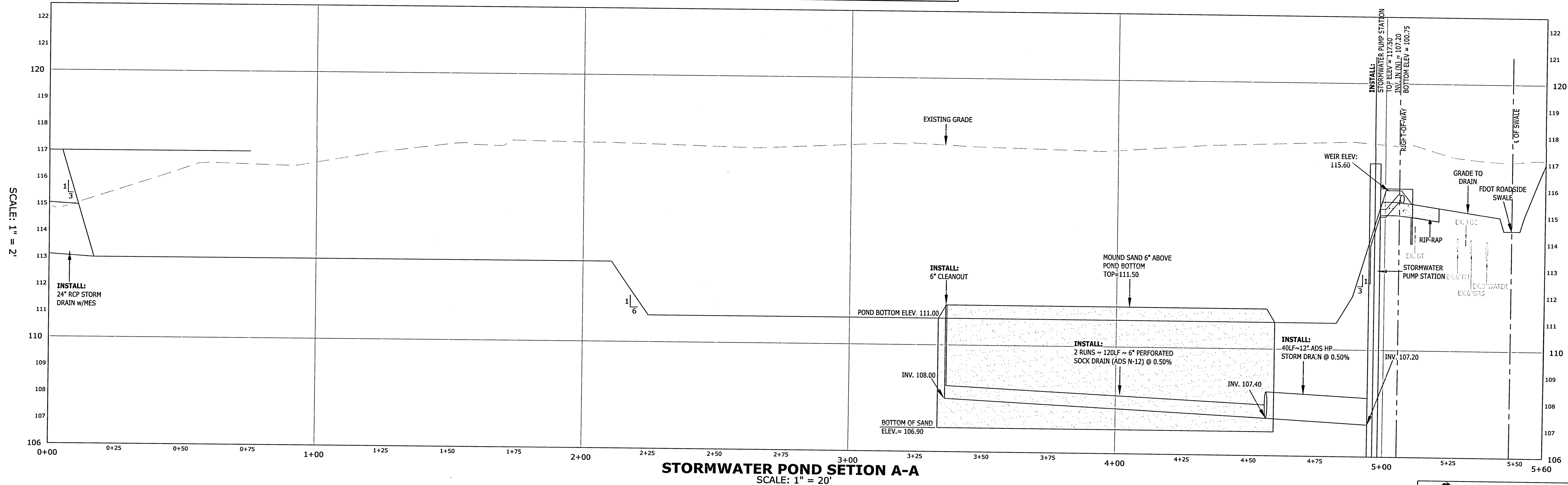
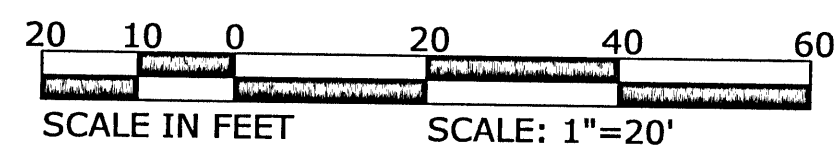
STORMWATER MAINTENANCE NOTES:

1. THE STORMWATER FACILITY SHALL BE MAINTAINED AS NECESSARY IN ORDER TO PROVIDE FOR CONTINUED OPERATION AS DESIGNED.
2. THE OWNER SHALL KEEP ALL PONDS, INLETS, PIPES, FLUMES, SWALES, ETC. FREE OF ACCUMULATED DEBRIS, SILTATION, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD AFFECT THEIR OPERATION.
3. THE SCHEDULE FOR SUCH MAINTENANCE ACTIVITIES SHALL BE ON AN AS-NEEDED BASIS, DEPENDING ON THE RATE OF DEBRIS ACCUMULATION, GRASS AND VEGETATION GROWTH, AND OTHER VARYING CONDITIONS.
4. IN GENERAL, THE PROCEDURES AND SCHEDULE OF MAINTENANCE ACTIVITIES SHALL CONFORM TO THE STANDARD OPERATIONAL AND MAINTENANCE PROVISIONS AS UTILIZED BY ESCAMBIA COUNTY, FLORIDA, IN ITS MAINTENANCE OF PUBLIC STORMWATER FACILITIES.
5. SOD IS REQUIRED FOR ALL OF PONDS, UNLESS OTHERWISE NOTED ON THE DETAILS. SOD FOR PONDS SHALL BE EXTENDED TO A MINIMUM OF 5 FEET BEYOND THE POND TOP ELEVATION. TWO ROWS OF SOD IS ALSO REQUIRED ADJACENT TO ALL PAVED AREAS. SOD SHALL BE WATERED IN AT THE CONTRACTOR'S EXPENSE UNTIL FULLY ROOTED AND GROWING. SOD SHALL BE PINNED FOR ALL SLOPES STEEPER THAN 4:1. THE ENTIRE POND BOTTOM SHALL BE GRASSED (SPRIGGED, SEEDING AND MULCHED, OR SODDED) EXCEPT FOR THE SAND FILTER AREA.

STORMWATER POND GEOMETRY

POINT	DESCRIPTION	NORTHING	EASTING
P1	RADIUS NORTH	570686.7223	1057436.808
P2	RADIUS SOUTHEAST	570233.6667	1057416.684
P3	RADIUS SOUTHWEST	570234.8459	1057392.073
P4	RADIUS CENTER SOUTH	570491.4133	1057400.882
P5	RADIUS CENTER NORTH	570516.366	1057402.461
P6	RADIUS 111 NORTHWEST	570485.1261	1057406.646
P7	RADIUS 111 NORTHEAST	570484.2558	1057423.858

GRAPHIC SCALE:



TOWNES architects, P.A.
ARCHITECTS PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

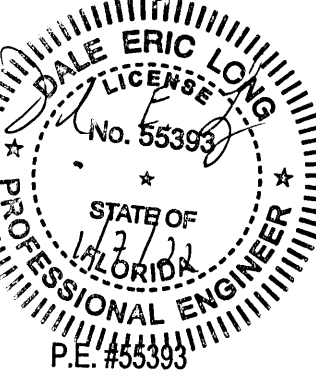
STORMWATER POND
GEOMETRY AND SECTIONS
(BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule

NO.	REVISION	DATE
1	FDOT COMMENTS	11-22 2021
2	NWFWMD ERP COMMENTS	12-17 2021

Dale E. Long, P.E.



P.E. 14333

100% CONSTRUCTION DOCS

Scale: AS NOTED

Date: JULY 28, 2021

Job No. 140006-005

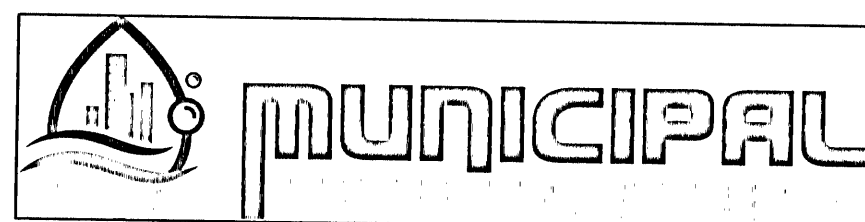
Filename: SEE LEFT

Drawn: EMD

Checked: DEL

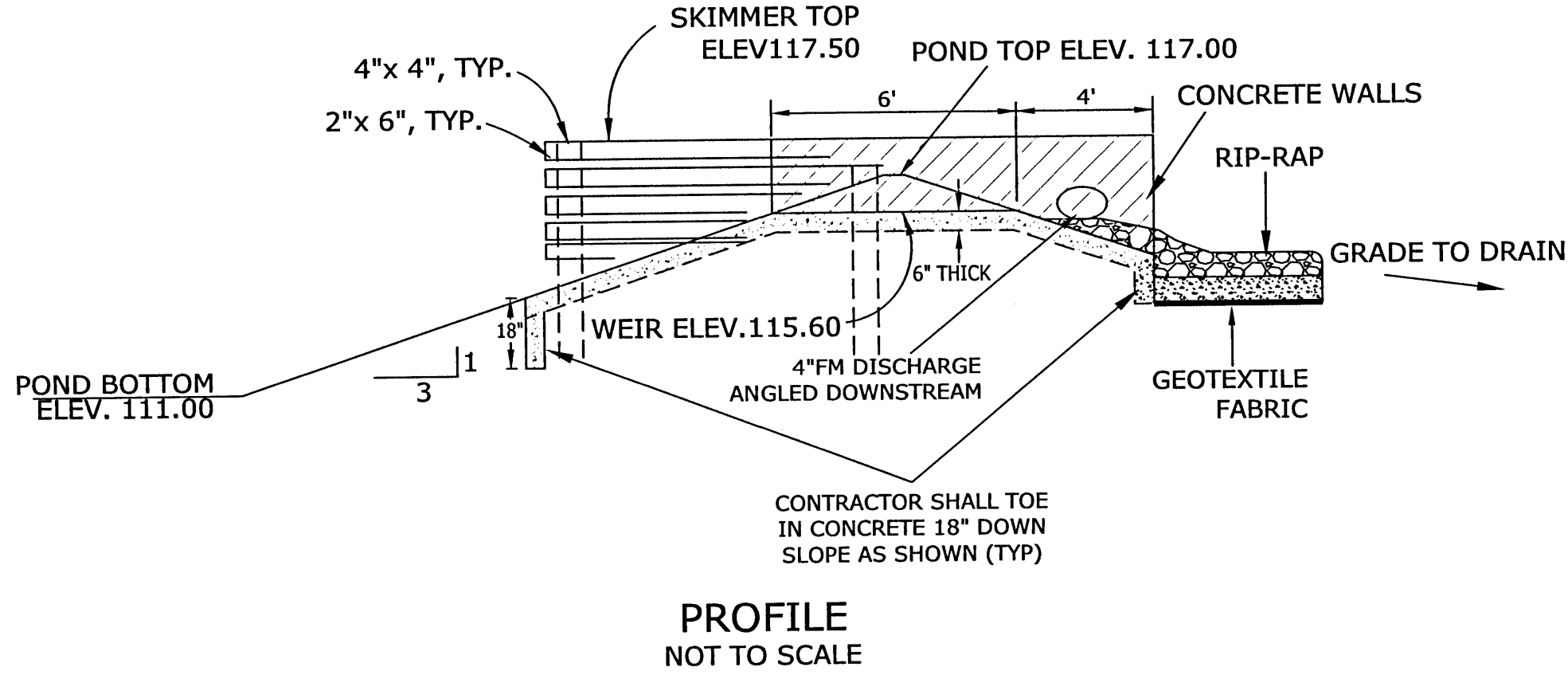
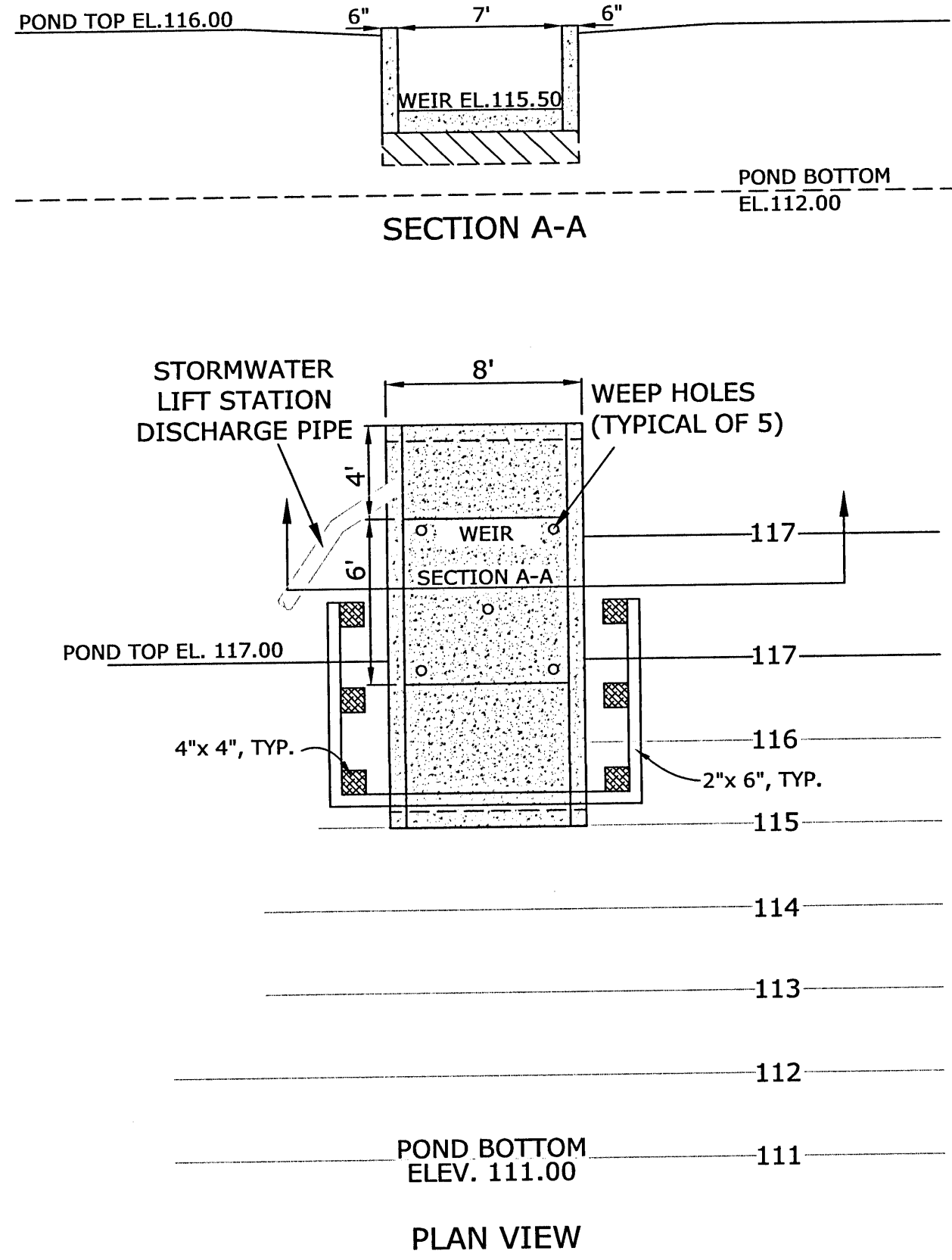
C403

SHEET # 13 OF 26



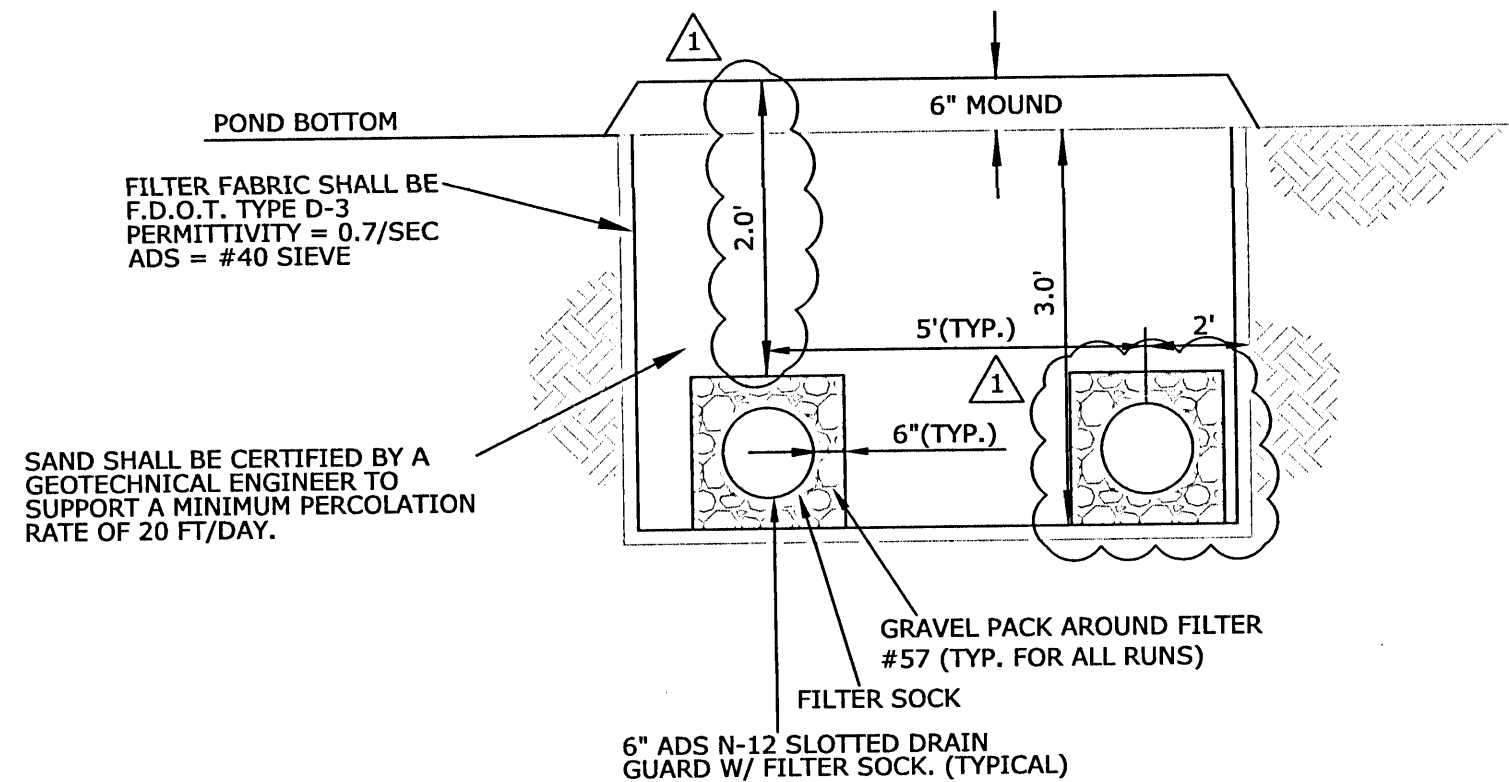
8574 Turkey Bluff Road • Navarre, Florida 32566 • P: (850) 938-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

MA201411-40006-005 Esc. City FS Beulah/DWG/Sheets/30 C-300 Site Plan.dwg, 404 STORMWATER DETAILS, 1/4/2022 10:14:04 AM



OVERFLOW WEIR DETAIL

NOTES:
CONCRETE SHALL BE 6" THICK FIBERMESH 4000 PSI. PROVIDE (5) 4" Ø WEEP HOLES IN 6' FLAT TOP SECTION. WEEP HOLES SHALL BE FILLED WITH GRAVEL WITH FILTER FABRIC BELOW AND STAINLESS STEEL WIRE MESH OVER TOP OF HOLES. FASTEN MESH TO CONCRETE WITH STAINLESS STEEL CONNECTORS.

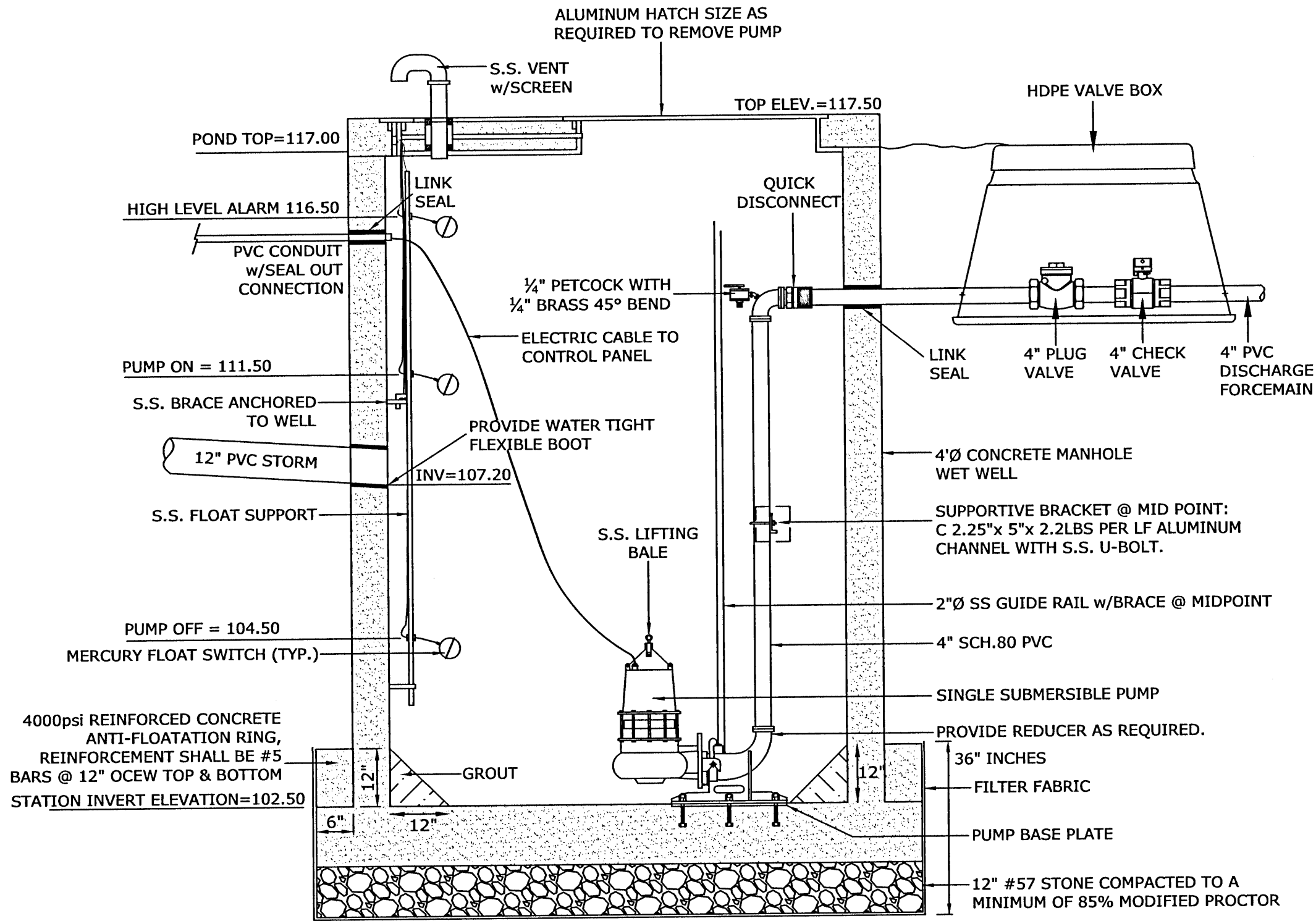


SAND FILTER DRAIN DETAIL

NOT TO SCALE

NOTES

1. SAND SHALL BE WASHED SAND (LESS THAN 1% SILT, CLAY AND ORGANIC MATTER). UNIFORMITY COEFFICIENT SHALL BE BETWEEN 1.5 & 4.0 EFFECTIVE GRAIN SIZE SHALL BE 0.2 TO 0.55 MILLIMETERS IN DIAMETER. CONTRACTOR SHALL SUBMIT SOURCE OF SAND, GEOTECHNICAL CERTIFICATION AND TOTAL QUANTITY OF SAND USED. SUBMITTAL SHALL BE MADE TO OWNER AND ENGINEER.
2. CONTRACTOR SHALL MOUND SAND FILTER MEDIA.
3. SAND FILTER AREA SHALL BE SURROUNDED BY WIRE BACKED SILT FENCE TO PREVENT FOULING WITH SEDIMENTS. SILT FENCE SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION UNTIL POND BOTTOM IS STABILIZED. THE CONTRACTOR WILL BE RESPONSIBLE FOR SAND REPLACEMENT (AT HIS COST) IF SEDIMENTS ARE ALLOWED TO CONTAMINATE THE SAND.
4. CONTRACTOR SHALL PROVIDE SUBMITTAL ON DRAIN PIPE, FILTER SOCK AND FABRIC.
5. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AN IN-SITU PERMEABILITY TEST FOR EACH FILTER (MINIMUM OF 2). THE TEST SHALL BE COMPLETED BY A GEOTECHNICAL ENGINEER AND CERTIFIED. RESULTS SHALL BE PROVIDED TO THE OWNER AND ENGINEER OF RECORD.



STORMWATER LIFT STATION ELEVATION

N.T.S.

NOTES:

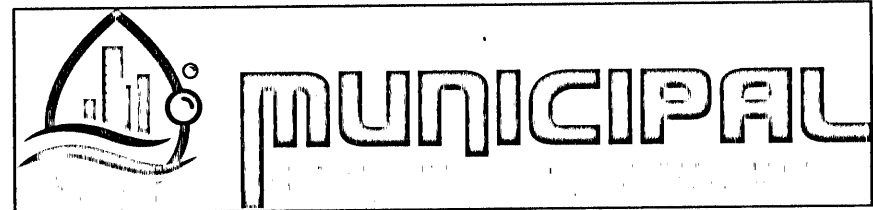
1. ELEVATION VIEW IS ROTATED FOR CLARITY. REFER TO PLAN VIEW FOR TRUE SPATIAL LAYOUT.
2. CONTROL PANEL FOR PUMPING STATION SHALL BE A SIMPLEX 2-FLOAT PANEL IN A NEMA 4X ENCLOSURE. (SEE ELECTRICAL PLANS)
3. BOTTOM OF THE CONTROL PANEL SHALL BE AT A MINIMUM ELEVATION OF 119.50.
4. GRINDER OR SUBMERSIBLE SEWAGE PUMPS WILL BE ALLOWED.

LIFT STATION DATA

WET WELL DIAMETER	6 FEET
DISCHARGE FORCEMAIN SIZE	4" SCHED. 80 PVC
DESIGN OPERATING POINT	175 GPM @ 15' TDH
VOLTAGE	208
HP (MAX)	3.0
PHASE	THREE
RPM	1800

STORMWATER LIFT STATION DETAILS

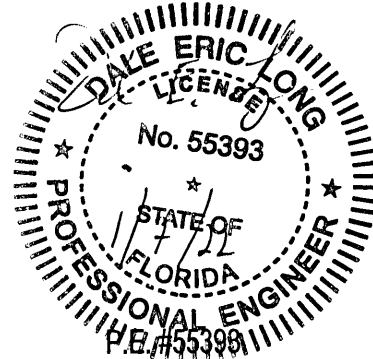
N.T.S.



8574 Turkey Bluff Road • Navarre, Florida 32566 • p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

Revision Schedule		
1	NWP/MD ERP COMMENTS	12-17 2021
2	FDOT DRAINAGE COMMENTS	12-30 2021

Dale E. Long, P.E.



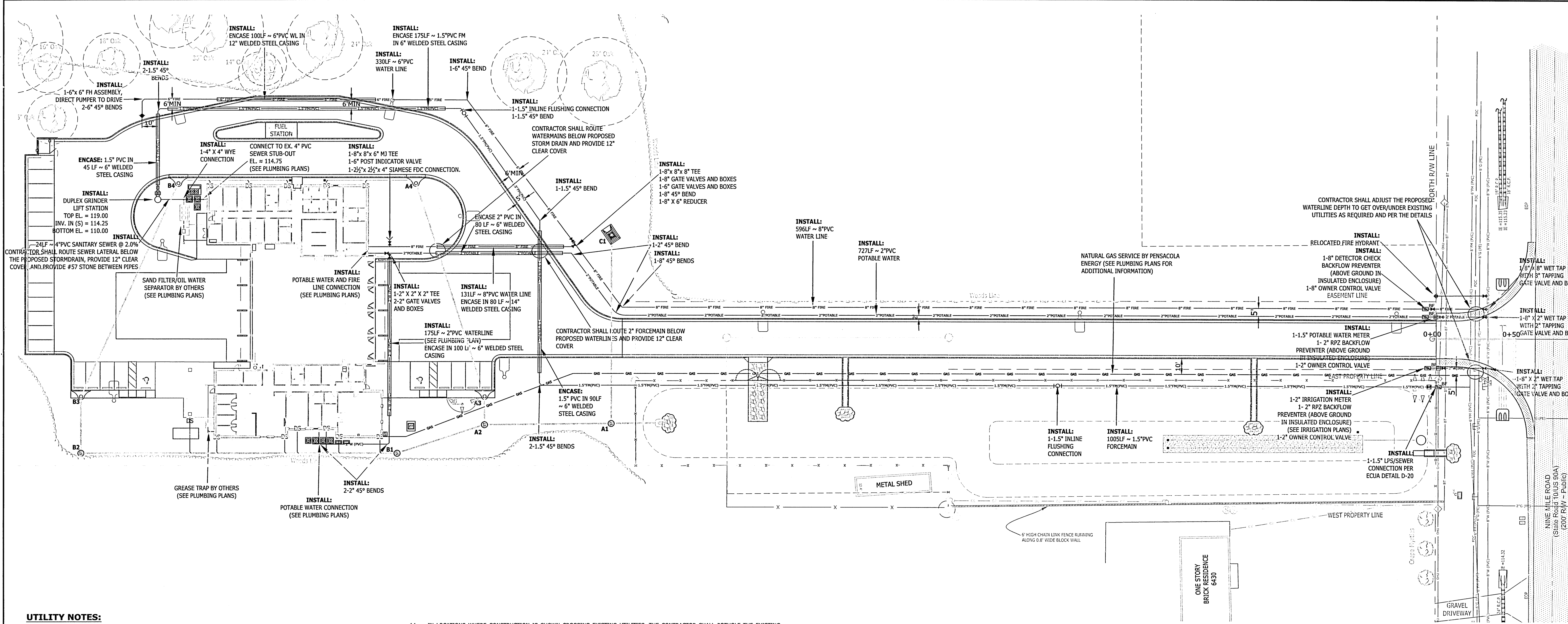
100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C404	
SHEET # 14 OF 26	

TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

STORMWATER POND DETAILS (BEULAH)

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

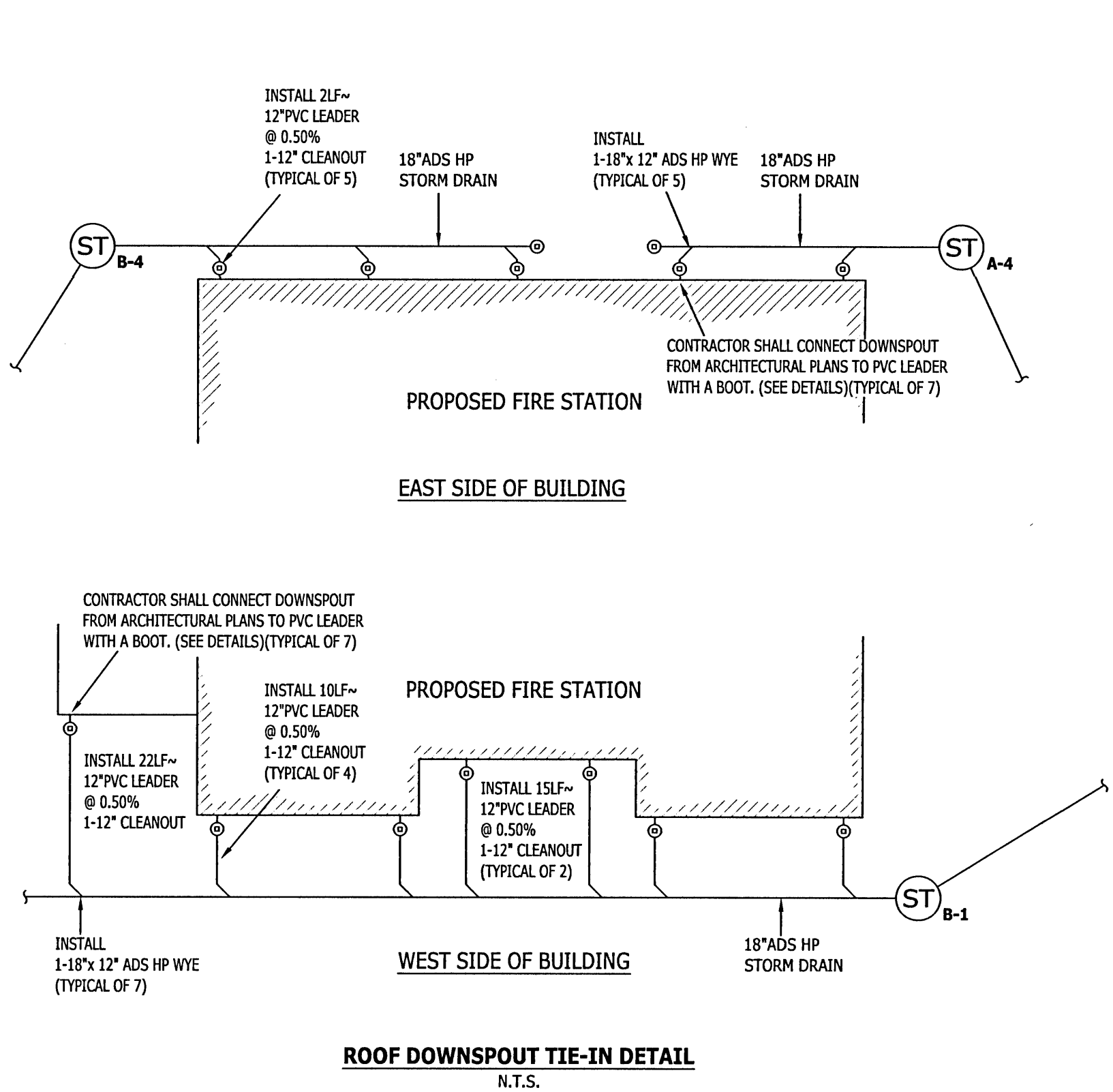
M:\2014\140006-005 Esc Cnty FS Beulah\DWG\Sheets\30 C-300 Site Plan.dwg, 501 UTILITY PLAN, 1/4/2022 2:49:58 PM



UTILITY NOTES:

- ALL ONSITE WATER AND SEWER UTILITIES WILL BE PRIVATELY OWNED, OPERATED AND MAINTAINED.
- ALL UTILITY CONSTRUCTION SHALL CONFORM TO E.C.U.A STANDARD GUIDELINES AND SPECIFICATIONS, LATEST EDITION, AND STANDARD DETAILS.
- THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING SIZE, TYPE, LOCATION, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFYING THE INVOLVED UTILITY PROVIDERS TO MAKE ANY NECESSARY ARRANGEMENTS FOR RELOCATION, DISRUPTION OF SERVICE OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. THE RESPECTIVE UTILITY PROVIDERS SHALL RELOCATE UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY PROVIDERS DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED BY THE INVOLVED UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL ADHERE TO FLORIDA STATUTE CHAPTER 556 AND THE SUNSHINE 811 OF FLORIDA. CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND THE SUNSHINE UNDERGROUND NOTIFICATION CENTER AT 811 AT LEAST 48 HOURS PRIOR TO START OF WORK. CONTRACTOR IS RESPONSIBLE FOR CONTINUAL MAINTENANCE OF ALL UTILITY LOCATES, FLAGS, MARKINGS, ET CETERA THROUGH THE ENTIRE DURATION OF CONSTRUCTION.
- UTILITY SERVICES TO THE PROPOSED BUILDING(S) SHALL TERMINATE 5 FEET OUTSIDE OF THE BUILDING UNLESS OTHERWISE NOTED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW BUILDING ARCHITECTURAL AND PLUMBING PLANS TO VERIFY PROPER CONTINUATION OF THE PROPOSED UTILITIES FOR LOCATION, ALIGNMENT AND ELEVATION(S) FOR EACH SERVICE TO THE BUILDING(S). SHOULD UTILITY SERVICE LATERALS SHOWN ON THE SITE CIVIL CONSTRUCTION PLANS NOT CORRESPOND WITH BUILDING ARCHITECTURAL OR PLUMBING PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ALL VALVE BOXES SHALL BE SET FLUSH IN A CONCRETE COLLAR TO FINISH GRADE. ALL CONCRETE VALVE COLLARS SHALL BE CIRCULAR PRECAST MEMBER WITH A MINIMUM ANNUAL COVERAGE OF 6-INCHES.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES, RULES AND REGULATIONS REGARDING UTILITY LOCATIONS. THE CONTRACTOR IS COMPLETELY AND SOLELY RESPONSIBLE FOR ALL DAMAGES TO ANY UTILITIES CAUSED AS A RESULT OF, OR BY, THE CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES ON THESE PLANS IS SHOWN IN AN APPROXIMATE WAY ONLY AND WAS TAKEN FROM LIMITED FIELD LOCATES AND THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL CONTACT GULF POWER AND/OR AETI TO SUPPORT OR RELOCATE EXISTING POLES DURING CONSTRUCTION IF NECESSARY. THE CONTRACTOR SHALL PAY THE RESPECTIVE COMPANY FOR THIS WORK. THE CONTRACTOR SHALL COORDINATE ALL OTHER UTILITY WORK OR CONNECTIONS WITH THE APPROPRIATE UTILITY COMPANIES. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN.
- ALL NEW UTILITY MAINS (POTABLE WATER, RECLAIMED WATER, OR SANITARY FORCEMAINS) SHALL HAVE A MINIMUM COVER OF 30-INCHES AND A MAXIMUM COVER OF 36-INCHES, UNLESS OTHERWISE NOTED.
- AT TIMES WHEN PIPE INSTALLATION IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY AN APPROVED MEANS AND SHALL REMAIN CLOSED UNTIL CONSTRUCTION OF THAT PARTICULAR SECTION IS RESUMED. NO OPEN TRENCHES WILL BE ALLOWED WHEN PIPE INSTALLATION IS NOT IN PROGRESS. THE TERMINAL JOINT MAY BE LEFT EXPOSED IN AN OPEN TRENCH, PROVIDED ADEQUATE SAFETY BARRICADES ARE INSTALLED BY THE CONTRACTOR.
- CONNECTIONS TO EXISTING WATER AND SEWER FACILITIES SHALL BE COORDINATED WITH EMERALD COAST UTILITIES AUTHORITY (ECUA). A REPRESENTATIVE OF ECUA SHALL WITNESS ALL CONNECTIONS AND OPERATE ALL VALVES.
- PRESSURE PIPES SHALL BE ADJUSTED VERTICALLY GRADUALLY WITHOUT THE USE OF FITTINGS AS REQUIRED TO ACCOMMODATE EXISTING UTILITIES. IF GRADUAL LOWERING IS NOT POSSIBLE, APPROPRIATE FITTINGS AND JOINT RESTRAINT SHALL BE PROVIDED TO AVOID THE EXISTING CONFLICT. NO FITTINGS GREATER THAN 45° WILL BE ALLOWED. SEPARATION SHALL BE A MINIMUM OF 18" UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL REFERENCE PLAN NOTES AND CONFLICT DETAILS FOR ADDITIONAL GUIDANCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES, SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
- IN LOCATIONS WHERE CONSTRUCTION IS SHOWN CROSSING EXISTING UTILITIES, THE CONTRACTOR SHALL POTHOLE THE EXISTING UTILITIES TO CONFIRM LOCATION, SIZE AND DEPTH IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL USE THE POTHOLE INFORMATION TO PROVIDE THE REQUIRED CLEARANCE BETWEEN THE PROPOSED UTILITY LINE ABOVE OR BELOW THE EXISTING UTILITIES.
- CONTRACTOR SHALL COORDINATE SERVICE OUTAGES RELATED TO UTILITY TIE-INS WITH E.C.U.A. STAFF. CONTRACTOR IS ADVISED THAT TIE-INS MAY NEED TO BE MADE OVERNIGHT DURING OFF-PEAK HOURS.
- GRAVITY SANITARY SEWER PIPE LENGTHS SHOWN ON THE PLANS ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
- MANHOLE TOP ELEVATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE TOP ELEVATIONS ARE SET FLUSH WITH THE FINAL GRADE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE CONSTRUCTION PLANS.
- THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH UPDATE # 1 DATED SEPTEMBER 1, 2016 (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA.FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD FOR PROPER RESOLUTION.
- UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

SEWER/WATER - EMERALD COAST UTILITY AUTHORITY MR. BRANDON KNIGHT PO BOX 15311 PENSACOLA, FL 32514 PH: (850) 698-4809	CABLE - COX CABLE MR. TROY YOUNG 2421 EXECUTIVE PLAZA PENSACOLA, FL 32504 PH: (850) 857-4564
NATURAL GAS - ENERGY SERVICES OF PENSACOLA MRS. DIANE MOORE 1625 ATWOOD DRIVE PENSACOLA, FL 32514 PH: (850) 474-5319	SUNSHINE STATE ONE-CALL 7200 LAKE ELLENOR DRIVE, SUITE 200 ORLANDO, FL 32809 PH: (800) 432-4770
TELEPHONE - AT&T FLORIDA MR. TIM EDGAR 605 W. GARDEN STREET PENSACOLA, FL 32502 PH: (850) 293-3780	TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS MR. JOHNNY PETTIGREW 3363 WEST PARK PLACE PENSACOLA, FL 32505 (850) 595-3404
ELECTRIC - GULF POWER MR. SCOTT LEE 1 ENERGY PLACE PENSACOLA, FL 32520 PH: (850) 444-6420	
- CONTRACTOR SHALL USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.



A. ECUA Engineering Manual incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? ☐ YES ☒ NO. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type			Location
	Specification	Detail	Plans	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project Manual*
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

*Project Manuals used only with ECUA CIP Projects

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

GRAPHIC SCALE:
30 15 0 30 60 90
SCALE IN FEET SCALE: 1"=30'

MUNICIPAL
8874 Turkey Bluff Road • Navarre, Florida 32566 • P: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

TOWNES architects, P.A.
ARCHITECTS PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

SITE UTILITY PLAN (BEULAH)

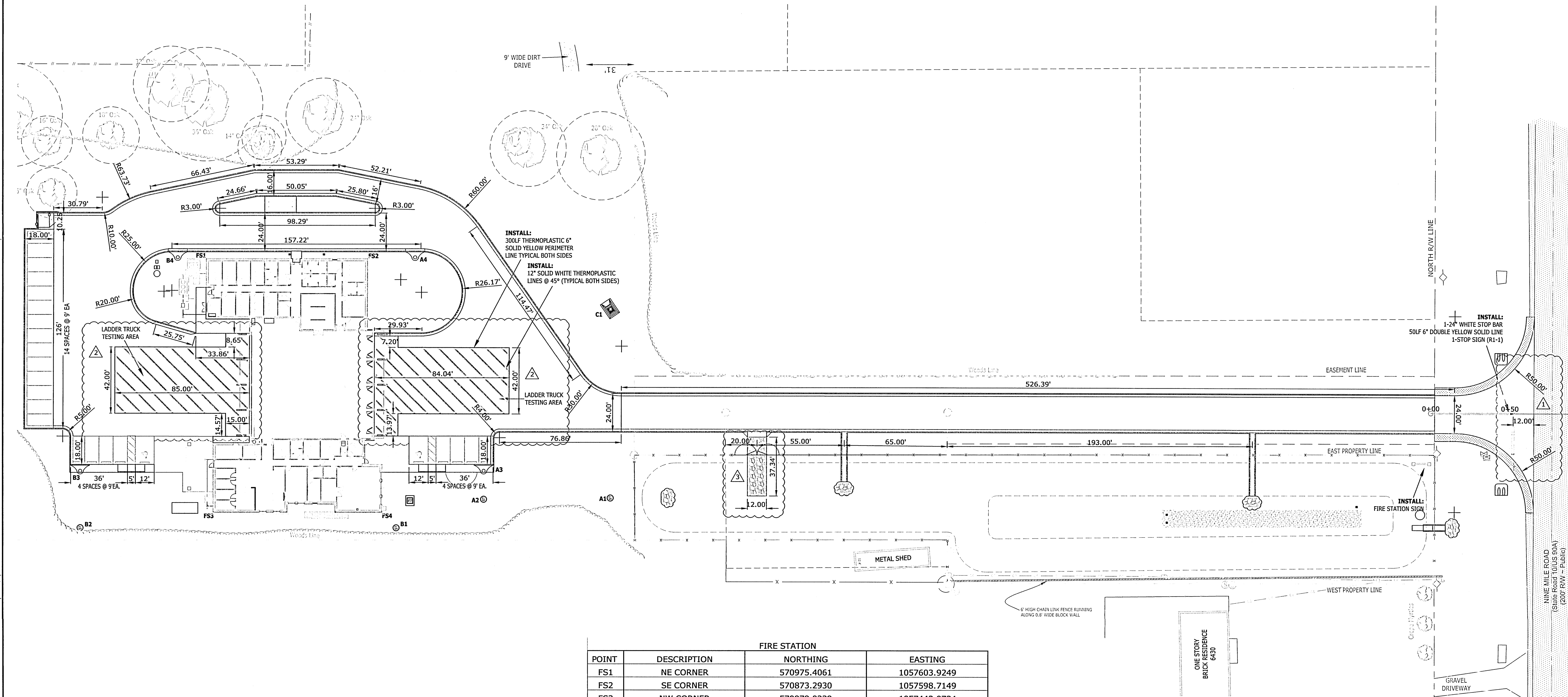
BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule	

Dale E. Long, P.E.
Professional Engineer
No. 55593
State of Florida

100% CONSTRUCTION DOCS
Scale: AS NOTED
Date: JULY 28, 2021
Job No. 140006-005 Filename: SEE LEFT
Drawn: EMD Checked: DEL
C501
SHEET # 15 OF 26

M:\2014\140006-005 Esc Cnty FS Beulah\DWG\Sheets\30 C-300 Site Plan.dwg, 601 STRIPES AND SIGNS, 1/4/2022 2:51:03 PM



GEOMETRY AND STRIPING NOTES:

- ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STRIPING WITHIN THE RIGHT-OF-WAY INCLUDING THE STOP BAR AND DOUBLE YELLOW SOLID LINE (DYSL) SHALL BE THERMOPLASTIC PER F.D.O.T. SPECIFICATIONS AND INDEX #711-001. ALL OTHER INTERIOR ON-SITE STRIPING SHALL BE PAINT UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL STRIPING AND SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- ALL SIGNS SHALL BE INSTALLED PER F.D.O.T. INDEX #700-010 AND #700-101.

FIRE STATION			
POINT	DESCRIPTION	NORTHING	EASTING
FS1	NE CORNER	570975.4061	1057603.9249
FS2	SE CORNER	570873.2930	1057598.7149
FS3	NW CORNER	570979.0239	1057443.0734
FS4	SW CORNER	570872.0943	1057437.6176

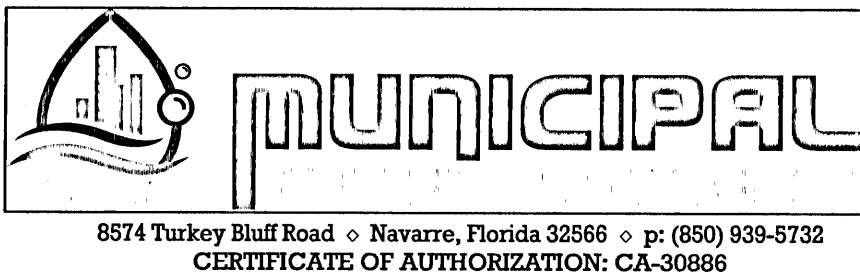
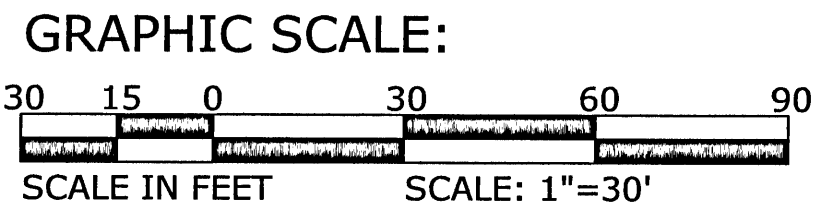
STORM STRUCTURES			
POINT	DESCRIPTION	NORTHING	EASTING
A1	MANHOLE	570727.8092	1057439.5659
A2	MANHOLE	570807.7423	1057442.8377
A3	CURB INLET	570806.6199	1057464.8090
A4	CURB INLET	570843.2508	1057602.0337
B1	MANHOLE	570863.7770	1057427.6058
B2	MANHOLE	571063.5158	1057437.8225
B3	CURB INLET	571061.4708	1057477.8036
B4	CURB INLET	570993.0549	1057609.6972
C1	GROUND INLET	570721.5958	1057558.3531

PARKING REQUIREMENTS
DSM 3-1.2 EMERGENCY SERVICE FACILITY
1 SPACE PER EMPLOYEE/VOLUNTEER ON NORMAL SHIFT AND 5 PER 1000 SF OFFICE SPACE.

10 EMPLOYEES PER SHIFT = 10 SPACES
(5 / 1000 SF)(91 SF) = 0.45 = 1 SPACE

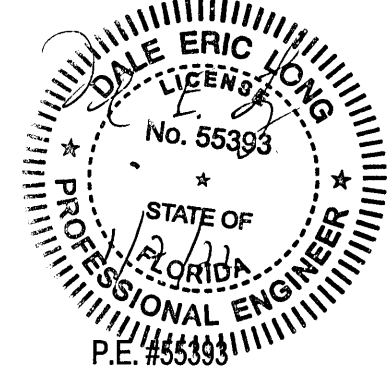
* IN ORDER TO PROVIDE ADEQUATE PARKING DURING SHIFT CHANGE WHERE ALL 10 EMPLOYEES TURN OVER 20 PARKING SPACE HAVE BEEN PROVIDED PLUS 4 GUEST SPACES

TOTAL PARKING PROVIDED = 22 STALL SPACES
2 H/C SPACES
24 TOTAL SPACES



Revision Schedule	
1	FDOT COMMENTS 12-17 2021
2	OWNER COMMENTS 12-17 2021
3	ESC COUNTY COMMENTS 12-17 2021

Dale E. Long, P.E.



100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No.	140006-005
Drawn:	EMD
Checked:	DEL
Filename:	SEE LEFT
C601	
SHEET # 16 OF 26	

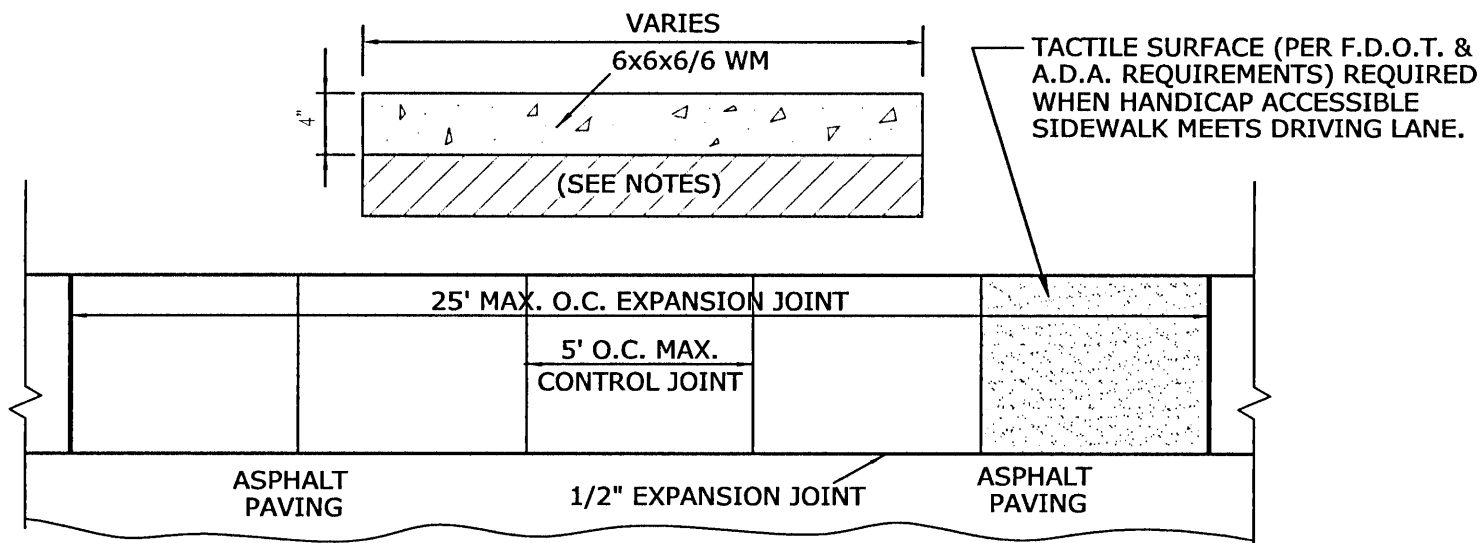
TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

**SITE GEOMETRY, STRIPING,
AND SIGNAGE PLAN
(BEULAH)**

**BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526**

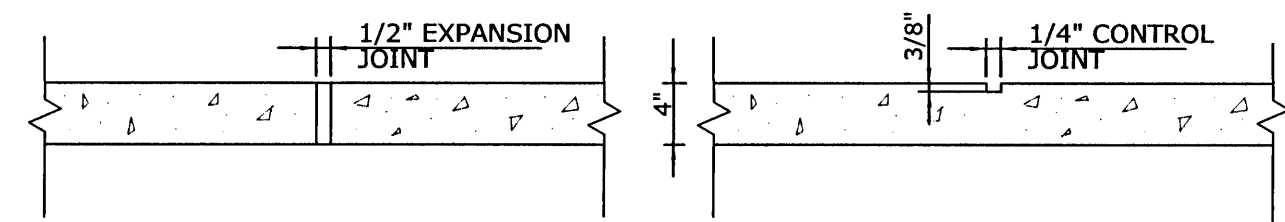
NOTES:

1. CONCRETE SHALL BE 4000 P.S.I. MINIMUM.
2. FOR PEDESTRIAN TRAFFIC AREAS PROVIDE 8" STABILIZED SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR.
3. DECORATIVE CONCRETE SHALL BE REPAIRED OR REPLACED IN KIND AS APPLICABLE.



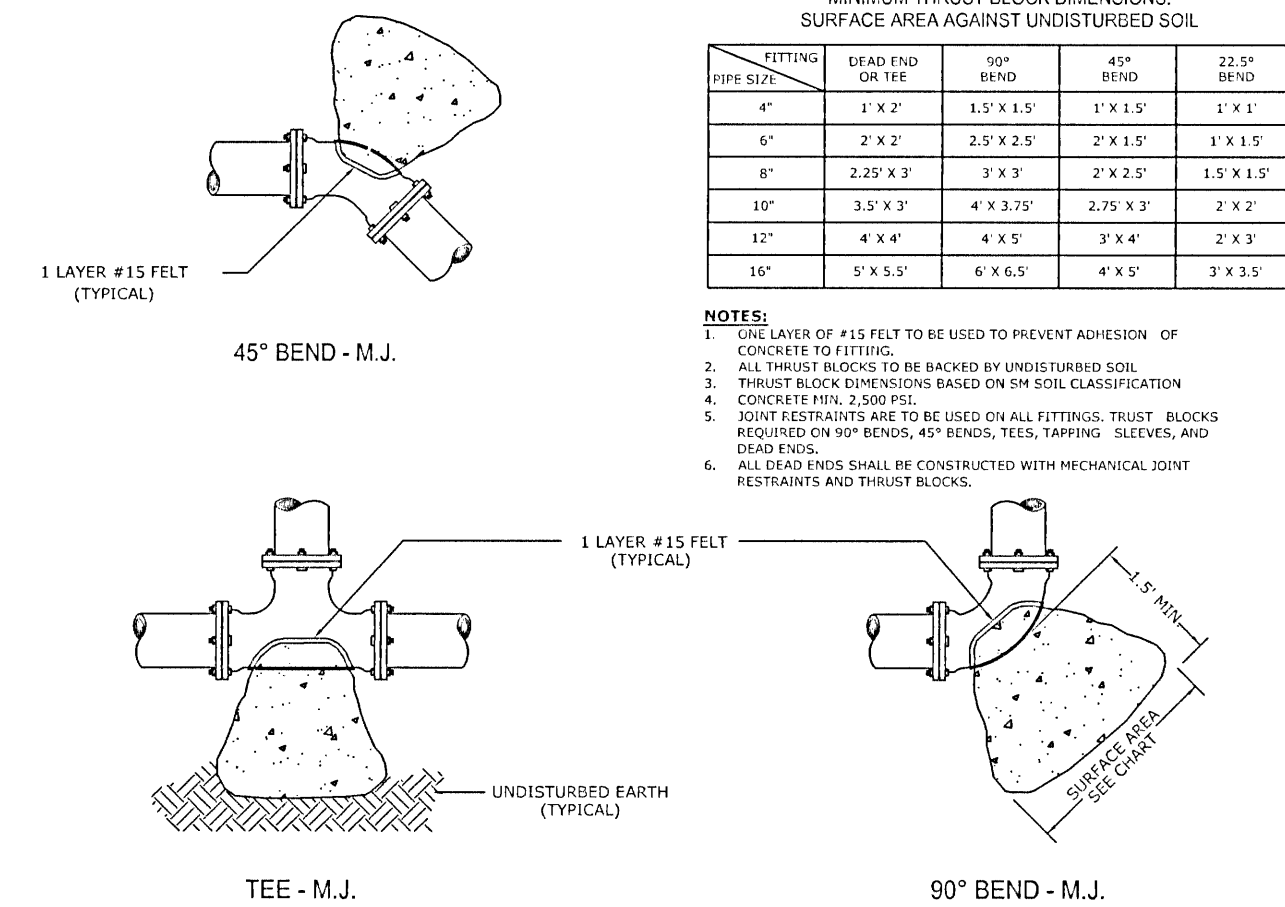
CONCRETE SIDEWALK DETAIL

NOT TO SCALE



CONCRETE CONTROL JOINT DETAIL

NOT TO SCALE



TYPICAL THRUST BLOCK INSTALLATIONS

N.T.S.

* ECUA STANDARD DETAIL D-52

PIPE JOINT RESTRAINT TABULATION

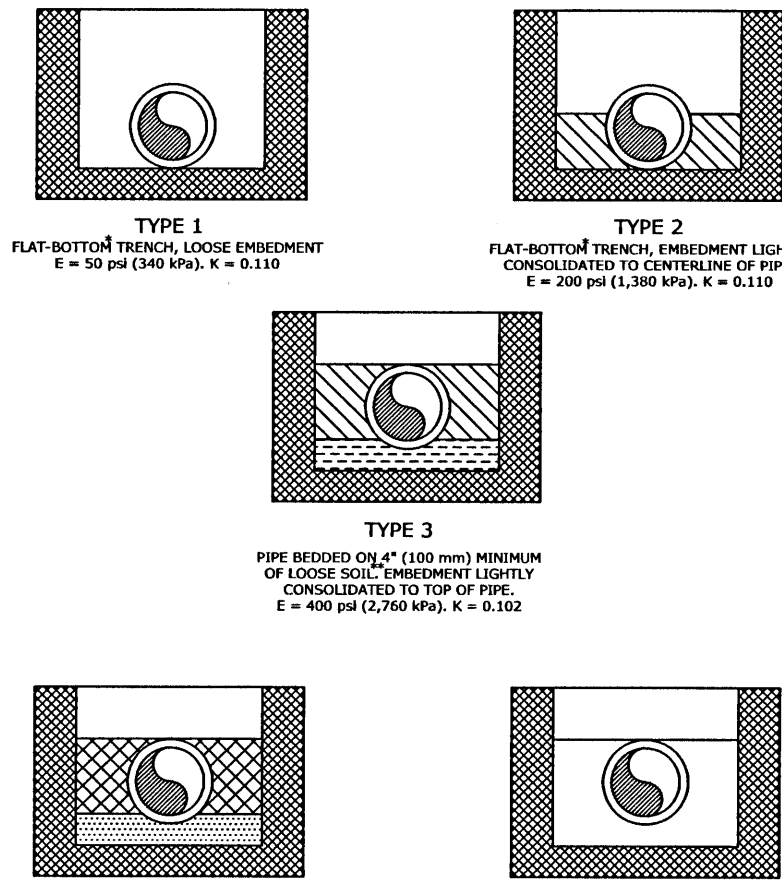
SHOWING DISTANCES IN FEET FROM THE FITTING TO BE RESTRAINED TO THE LAST RESTRAINING GLAND REQUIRED

PIPE SIZE AND TYPE	HORIZONTAL BENDS				DEAD ENDS	EQUAL TEES See note 3
	90 Deg.	45 Deg.	22.5 Deg.	11.25 Deg.		
3" DI	18	8	4	2	33	1
4" DI	22	9	4	2	39	1
6" DI	31	13	6	3	55	1
8" DI	40	17	8	4	72	1
10" DI	48	20	9	5	86	1
12" DI	56	23	11	5	101	1
16" DI	70	29	14	7	129	1
20" DI	84	35	17	8	156	18
24" DI	96	40	19	9	181	41
4" PVC	28	12	6	3	62	1
6" PVC	39	16	8	4	87	1
8" PVC	50	21	10	5	114	1
10" PVC	60	25	12	6	136	1
12" PVC	70	29	14	7	160	1
16" PVC	88	36	17	9	205	1
20" PVC	105	43	21	10	247	29
24" PVC	120	50	24	12	287	64

- NOTES : 1. Test pressure = 150 psi, soil group = SM, trench type = 3, depth = 2.5', safety factor = 2.
2. Restrained lengths for vertical offsets, reducers & unequal size tees must be individually calculated.
3. With equal tees, the distances shown are with a run length of 40' as an example only. For other lengths and for unequal tees, individual calculations must be made.

PIPE JOINT RESTRAINT TABULATION

* ECUA STANDARD DETAIL D-62



NOTE: REQUIRED EMBEDMENT TYPE WILL DEPEND ON THE PIPE'S DIMENSION RATIO, INTERNAL OPERATING PRESSURE, AND EXTERNAL LOADS, AND SHALL BE SPECIFIED BY THE PURCHASER (SEE SEC. 3.3).

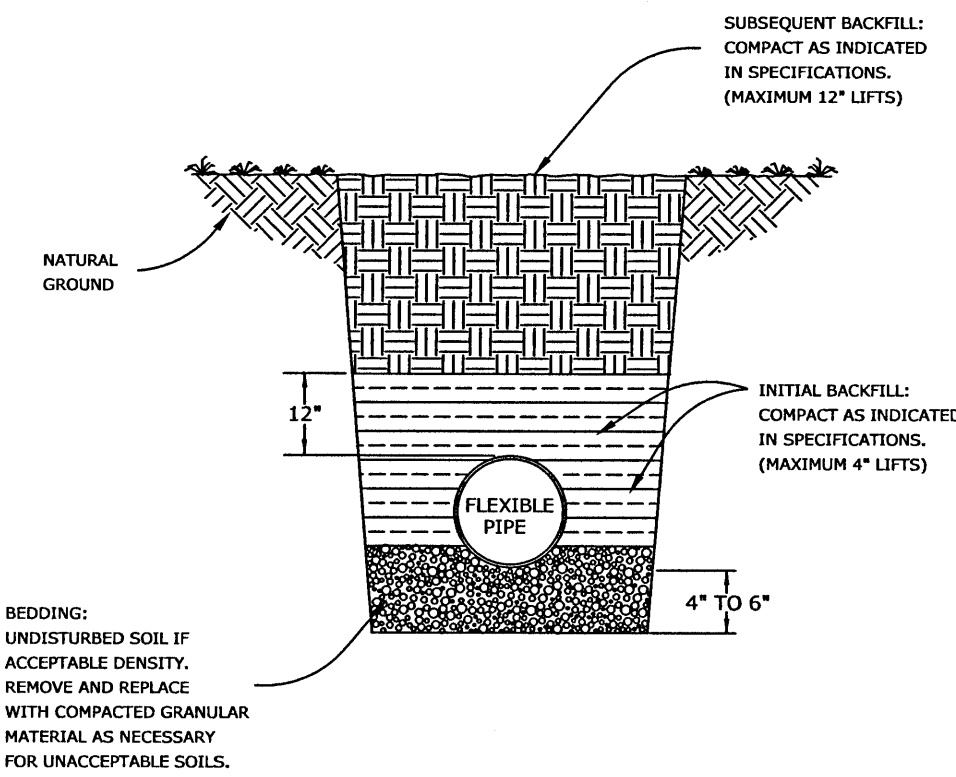
* "FLAT-BOTTOM" IS DEFINED AS UNDISTURBED EARTH.

** "LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. A SOFT "LOOSE SOIL" BEDDING WILL CONTINUE TO THE PIPE BOTTOM. CAUTION MUST BE EXERCISED TO ENSURE PROPER PLACEMENT OF EMBEDMENT MATERIAL UNDER THE HAUNCHES OF THE PIPE.

From AWWA C.605
UNDERGROUND INSTALLATION OF PVC PIPE

PIPE ENVELOPE REQUIREMENTS

* ECUA STANDARD DETAIL D-60

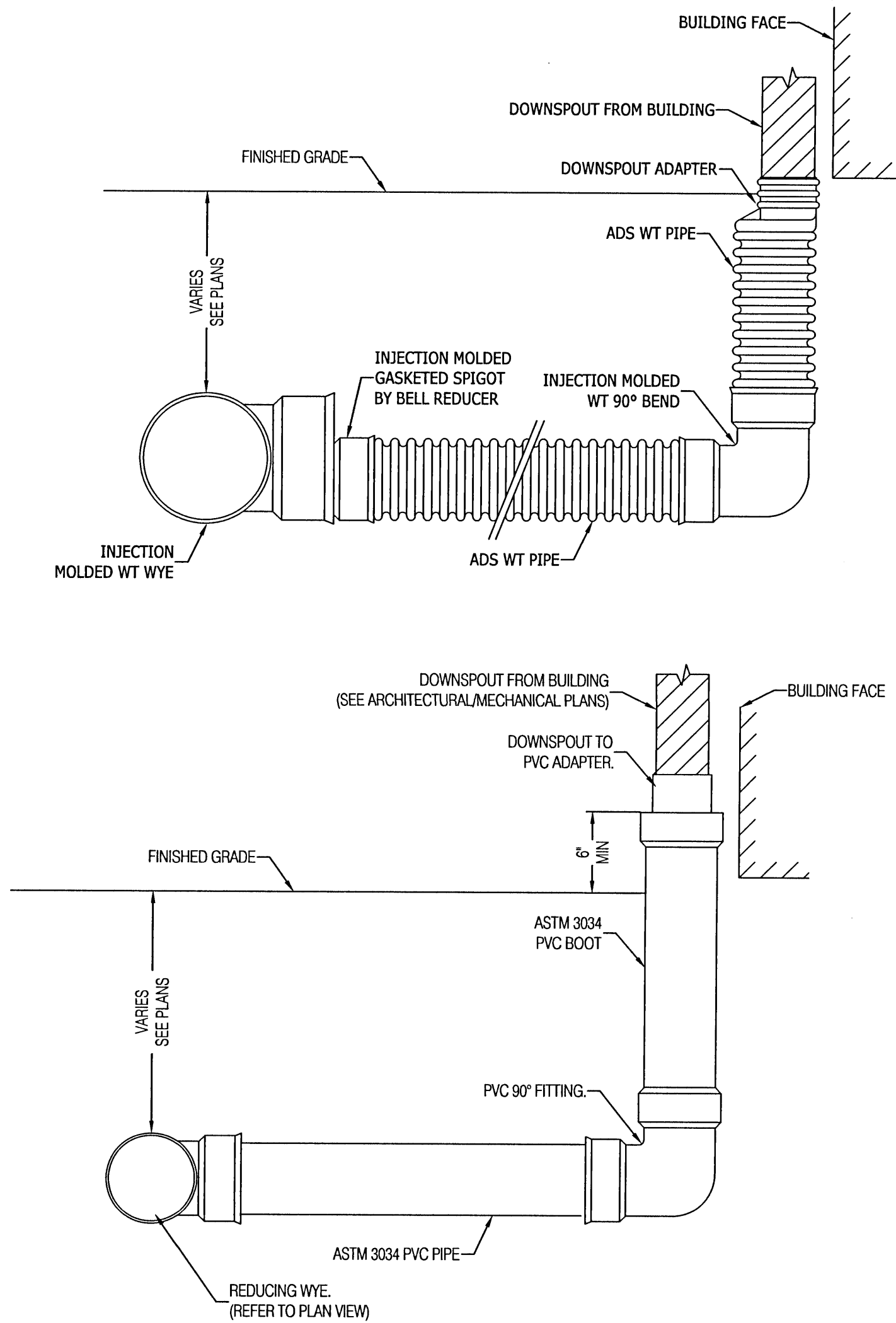


FLEXIBLE PIPE BEDDING

* ECUA STANDARD DETAIL D-61

SANITARY SEWER LINES (GRAVITY OR PRESSURE) SHALL HAVE 18" OR GREATER VERTICAL CLEARANCE BELOW ANY POTABLE WATER LINE WHEN CROSSING. A MINIMUM OF 6" VERTICAL CLEARANCE IS REQUIRED FOR OTHER UTILITIES. HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER LINE THAT IS PARALLEL TO AND LESS THAN 18" BELOW A POTABLE WATER LINE SHALL BE 10" OR GREATER. A MINIMUM OF 30" IS REQUIRED FOR OTHER UTILITIES.

IF THIS IS NOT POSSIBLE OR PRACTICAL, SEE NOTES BELOW:

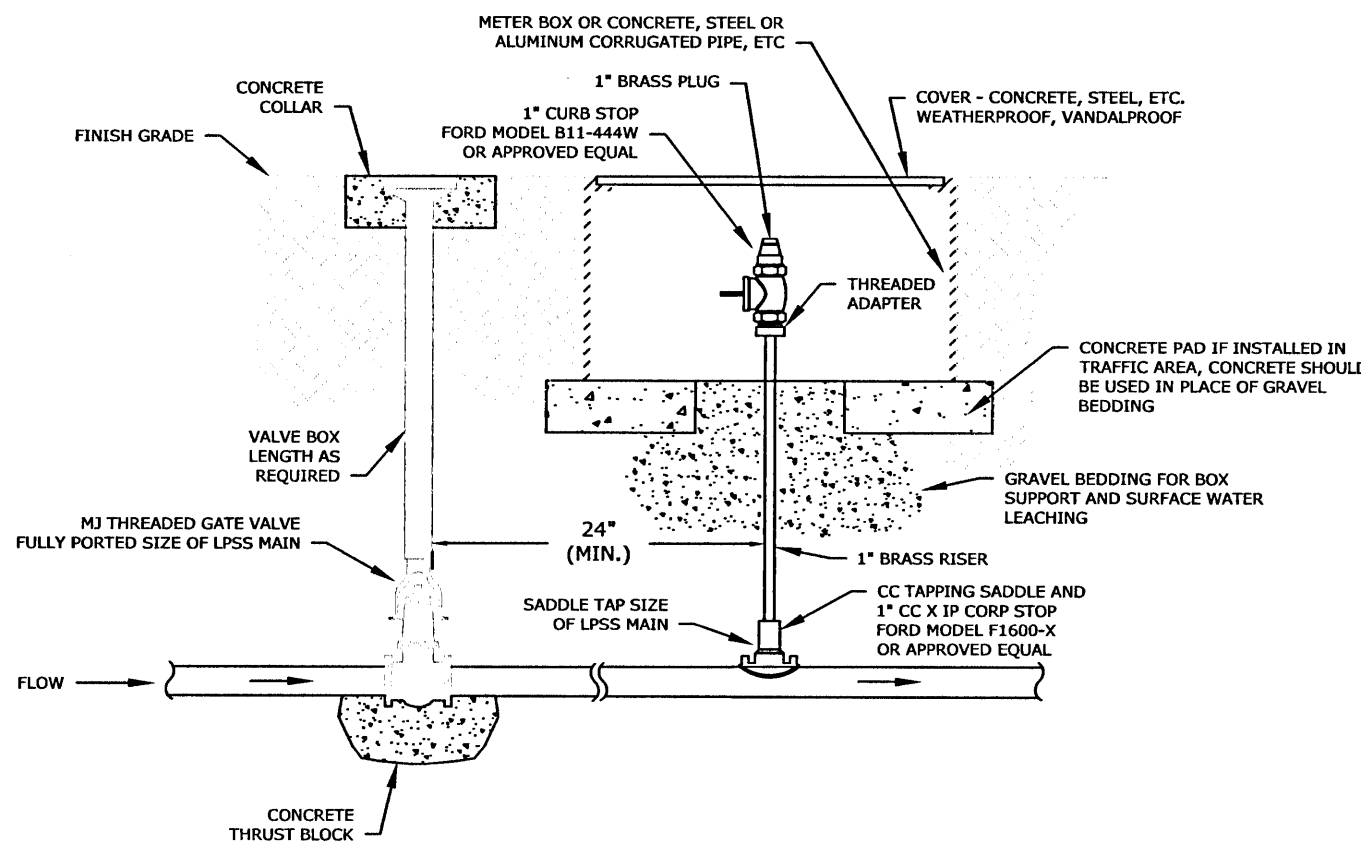


NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL OR MECHANICAL PLANS FOR CORRECT ADAPTER SIZE AND TYPE.
2. PROVIDE CLEANOUTS AS SHOWN ON CONSTRUCTION PLANS.

DOWNSPOUT CONNECTION DETAIL

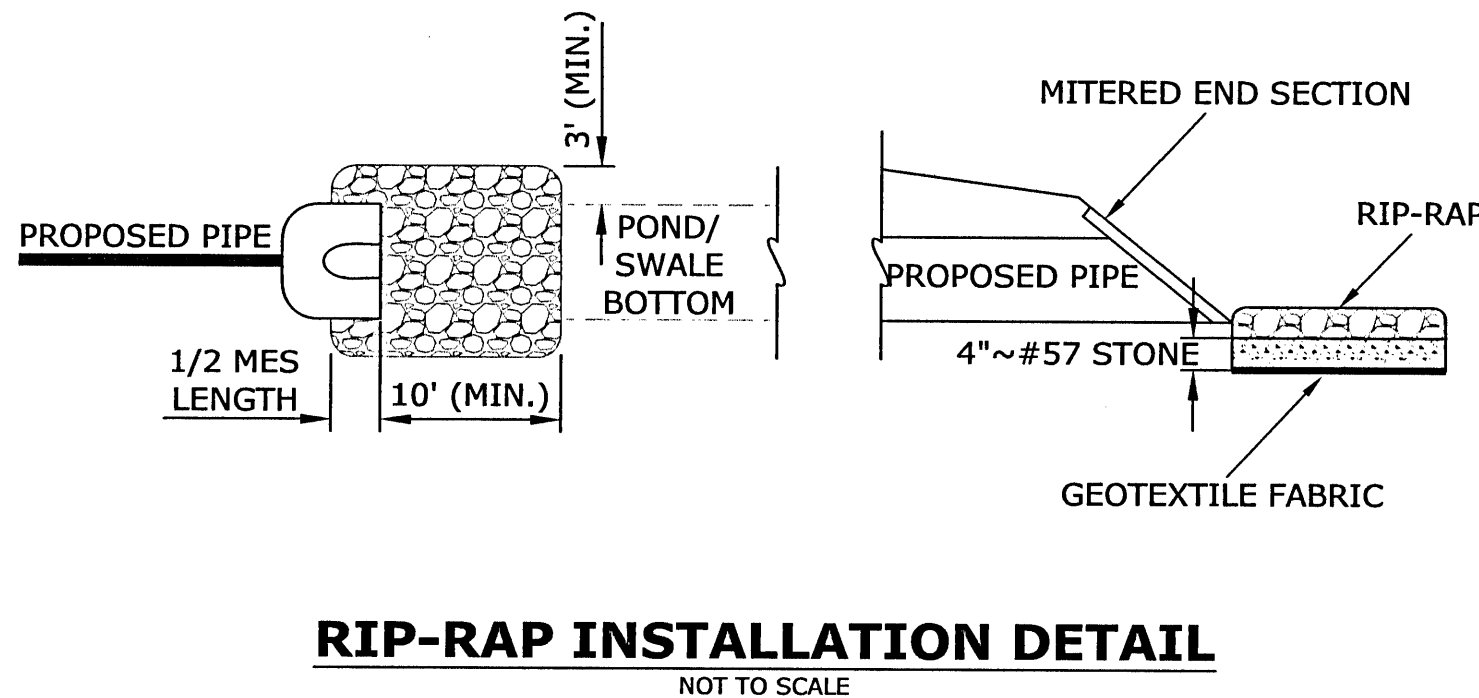
NOT TO SCALE



INLINE FLUSHING CONNECTION

LOW PRESSURE FLUSHING CONNECTIONS

D-22



RIP-RAP INSTALLATION DETAIL

NOT TO SCALE

TOWNES architects, P.A.
ARCHITECTS
2421 North 12th Avenue
Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

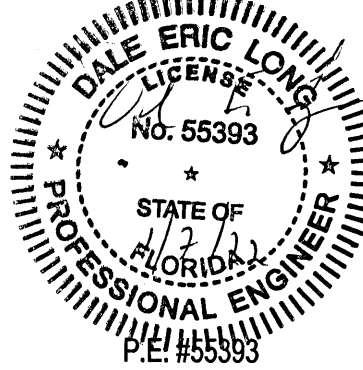
CIVIL DETAILS

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule

NO.	DESCRIPTION	DATE

Date E. Long, P.E.



100% CONSTRUCTION DOCS

Scale: AS NOTED

Date: JULY 28, 2021

Job No. 140006-005

Filename: SEE LEFT

Drawn: EMD

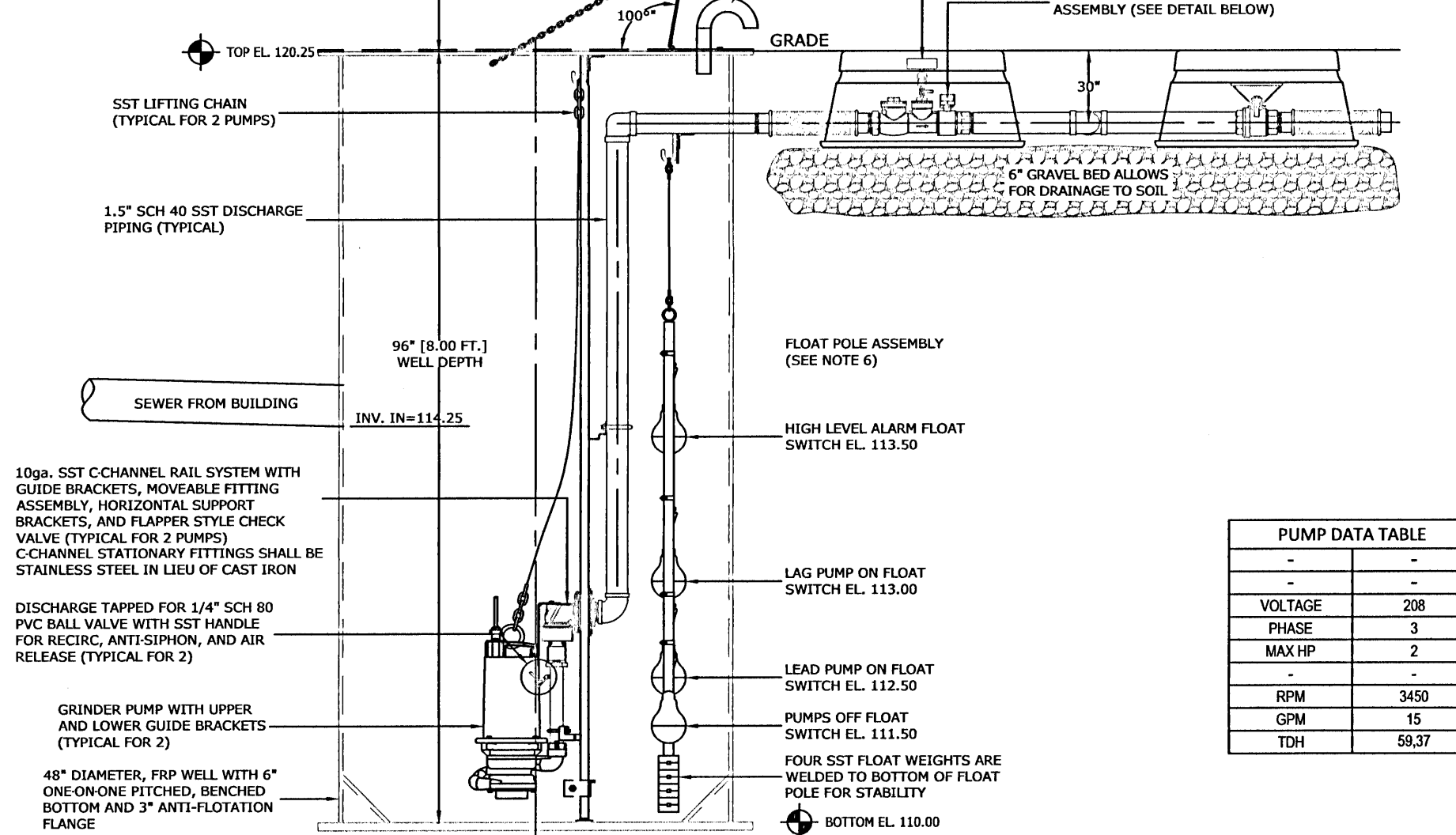
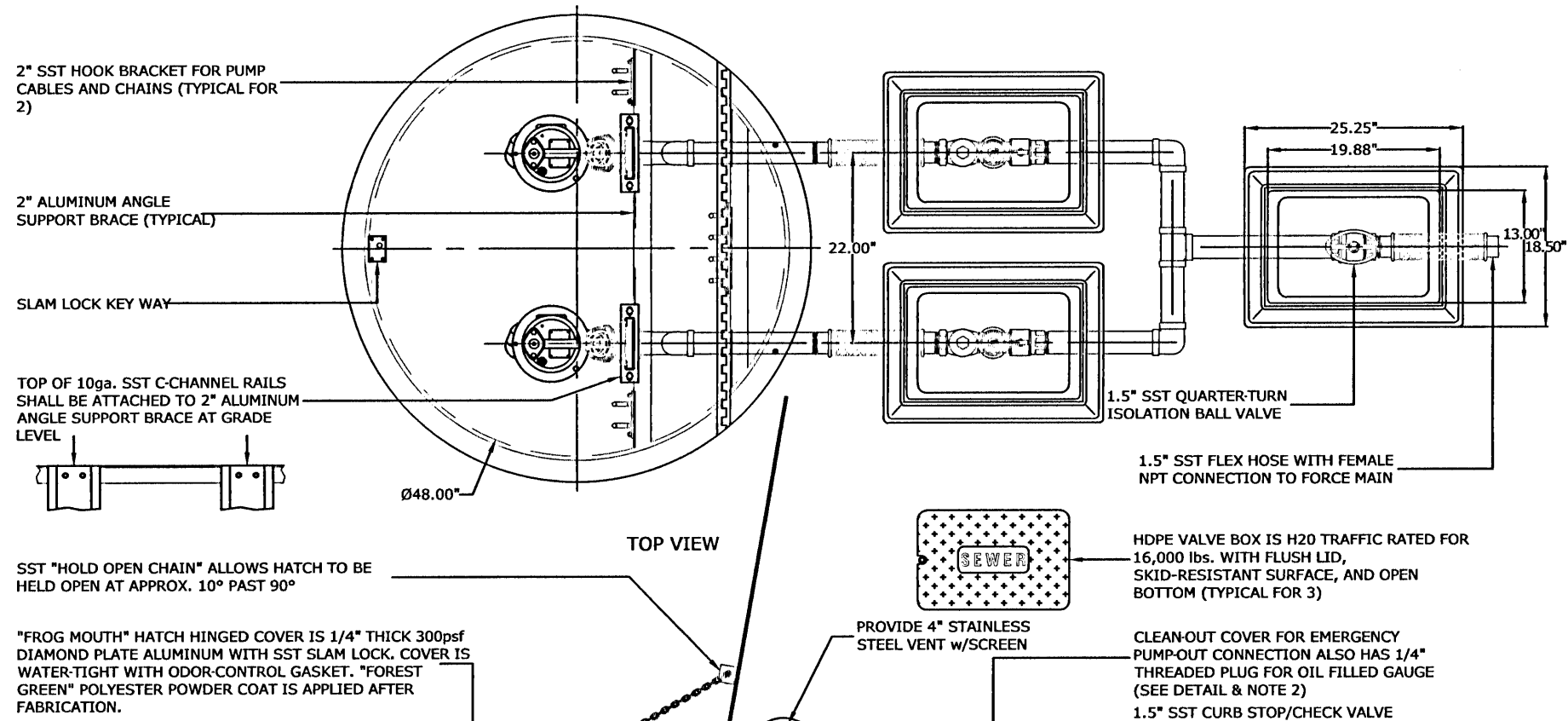
Checked: DEL

C801

SHEET # 17 OF 26

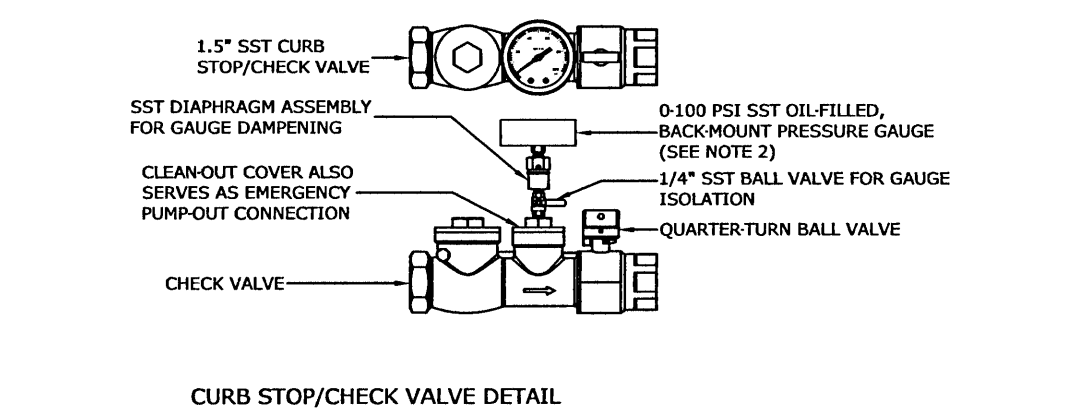
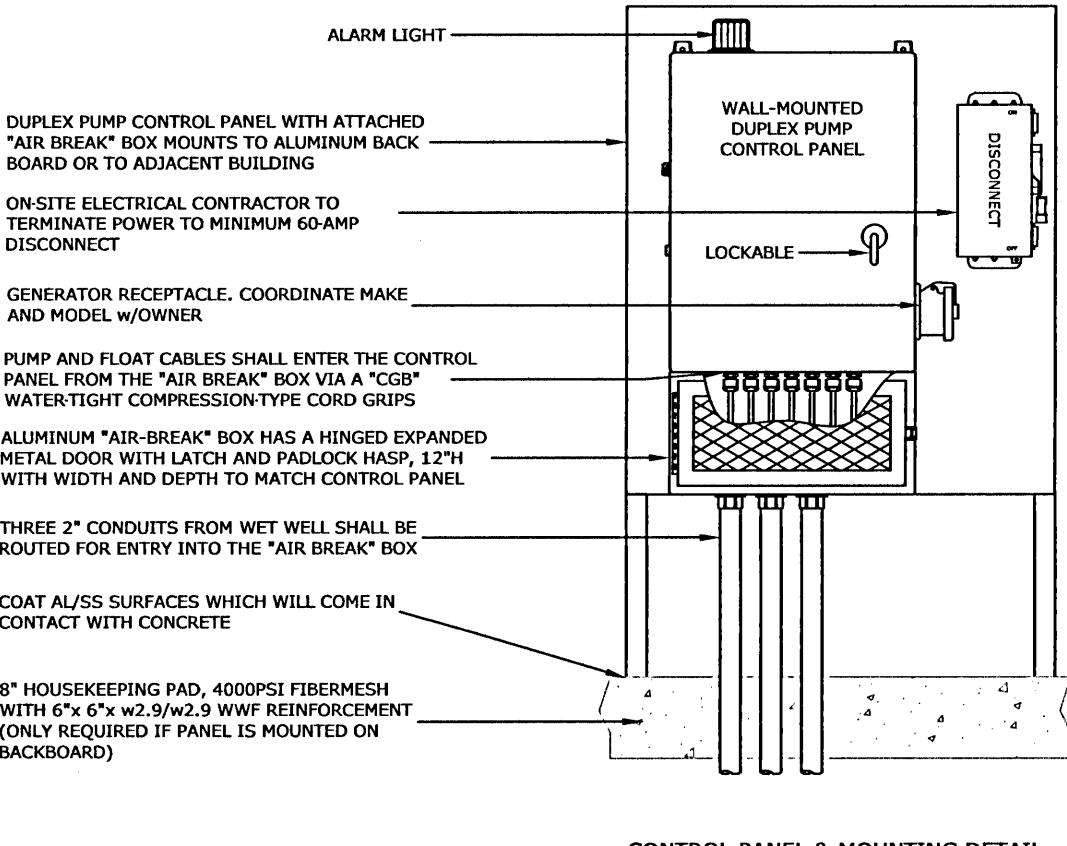


8574 Turkey Bluff Road • Navarre, Florida 32566 • p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886



PUMP DATA TABLE	
-	-
-	-
VOLTAGE	208
PHASE	3
MAX HP	2
-	-
RPM	3450
GPM	15
TDH	59.37

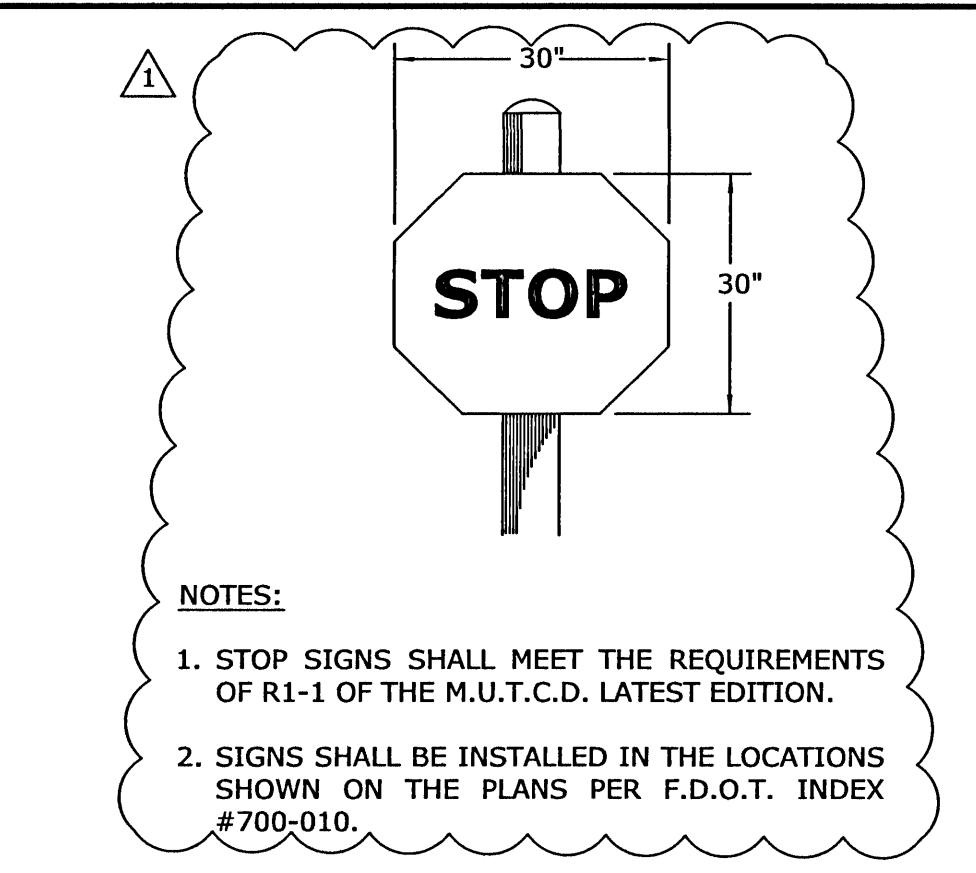
CONTROL PANEL MUST MEET CURRENT FLDEP STANDARDS



- NOTES:
1. THE PUMPS MUST HAVE A 5-YEAR 100% REPAIR PARTS AND LABOR WARRANTY AS PROVIDED BY THE PUMP MFG.
 2. GAUGE TO BE SIZED TO READ NO MORE THAN 1-1/2 TIMES THE MAX. PRESSURE PUMP PROVIDED AT DEAD HEAD.
 3. CONTROL PANEL MUST MEET CURRENT FLDEP STANDARDS.
 4. PROVIDE ALARM HORN AND SILENCER.
 5. ON-SITE ELECTRICAL CONTRACTOR TO TERMINATE POWER TO MINIMUM 60-AMP DISCONNECT. (SEE ELECTRICAL PLANS)
 6. FLOAT POLE ASSEMBLY CONSISTS OF A 1" x SST PIPE WITH SST LIFTING CHAIN MOUNTED TO WELDED EYE. CHAIN SHALL BE LONG ENOUGH TO POSITION THE FLOATS AT THE REQUIRED DEPTH. FLOATS MOUNT TO POLE WITH PIPE CLAMPS. ONE WEIGHT FOR EACH FLOAT SHALL BE WELDED TO BOTTOM OF PIPE FOR STABILITY. (SEE DETAIL)
 7. PUMP "C" CHANNELS SHALL BE 10 GAUGE IN LIEU OF STANDARD 14 GAUGE.
 8. PUMP "C" CHANNEL STATIONARY FITTINGS SHALL BE STAINLESS STEEL IN LIEU OF STANDARD CAST IRON.
 9. CONCRETE BALLAST SHALL BE FIELD INSTALLED PER DETAIL.
 10. PROVIDE LIGHTNING ARRESTER AND SURGE PROTECTOR.
 11. ALL PENETRATIONS THROUGH FRP WETWELL SHALL BE SEALED AND SLEEVED (WATER AND GAS TIGHT).
 12. PROVIDE BATTERY BACKUP.
 13. PHASE MONITOR SHALL BE PROVIDED FOR STATIONS WITH 3-PHASE POWER.

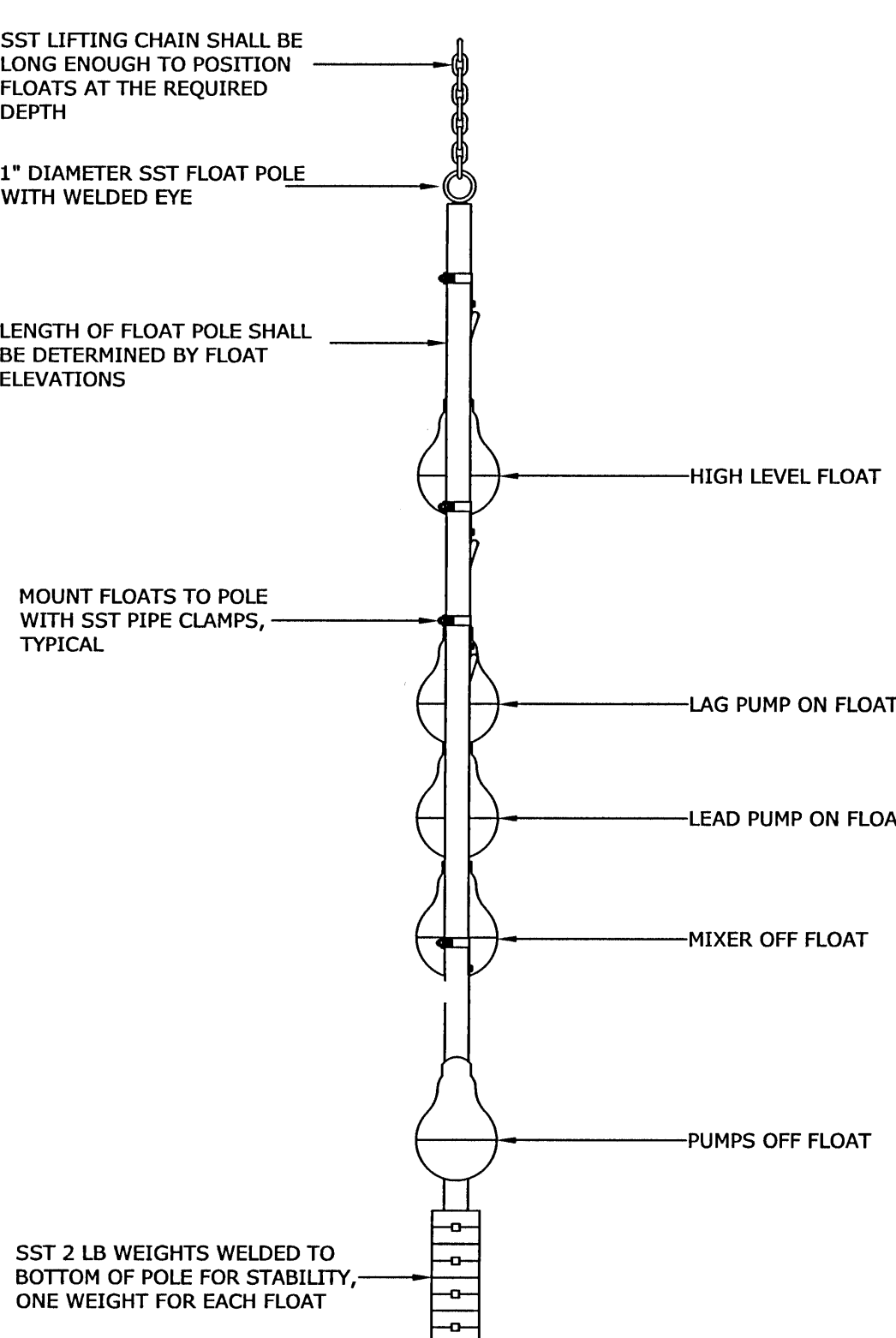
ANTI-FLOATATION BALLAST DETAIL

NOT TO SCALE



STOP SIGN DETAIL

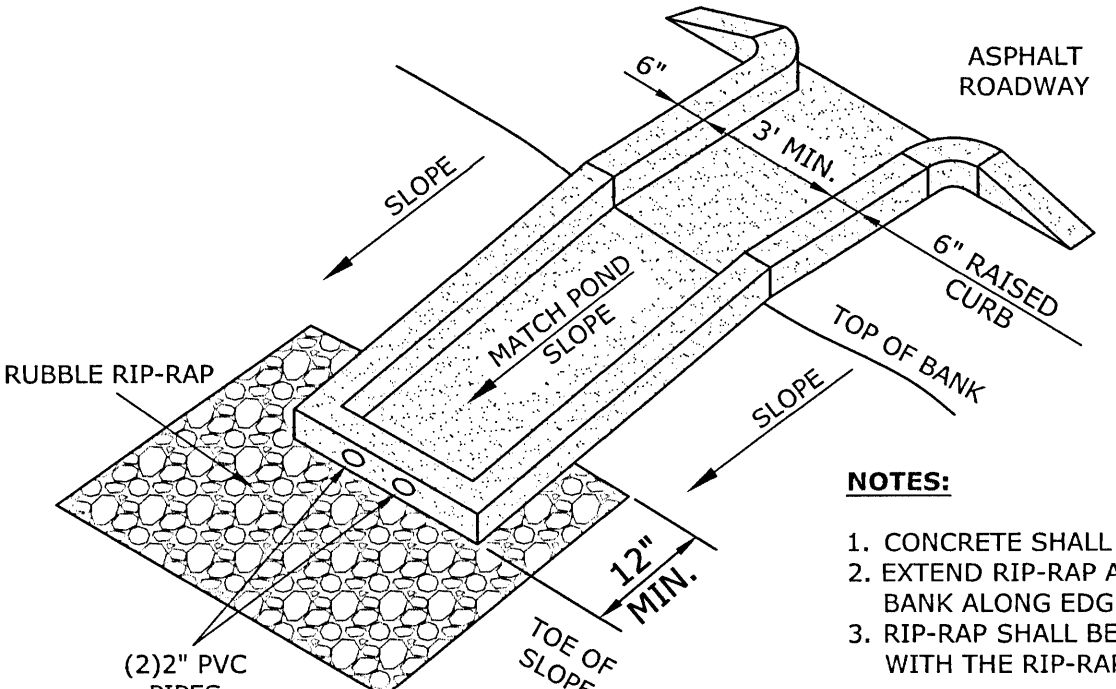
NOT TO SCALE



FLOAT POLE DETAIL

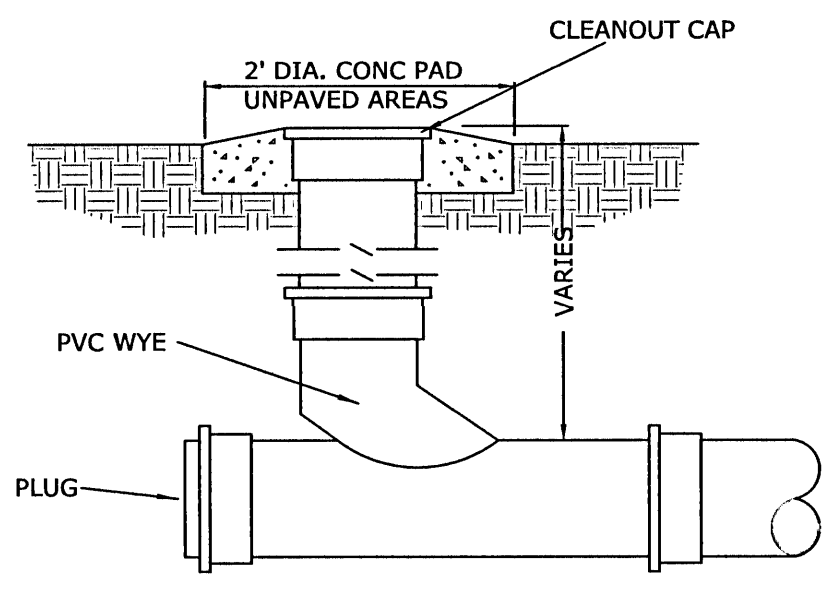
NOT TO SCALE

- NOTES:
1. SEE WET WELL DETAILS FOR FLOAT ELEVATIONS.



CONCRETE FLUME DETAIL

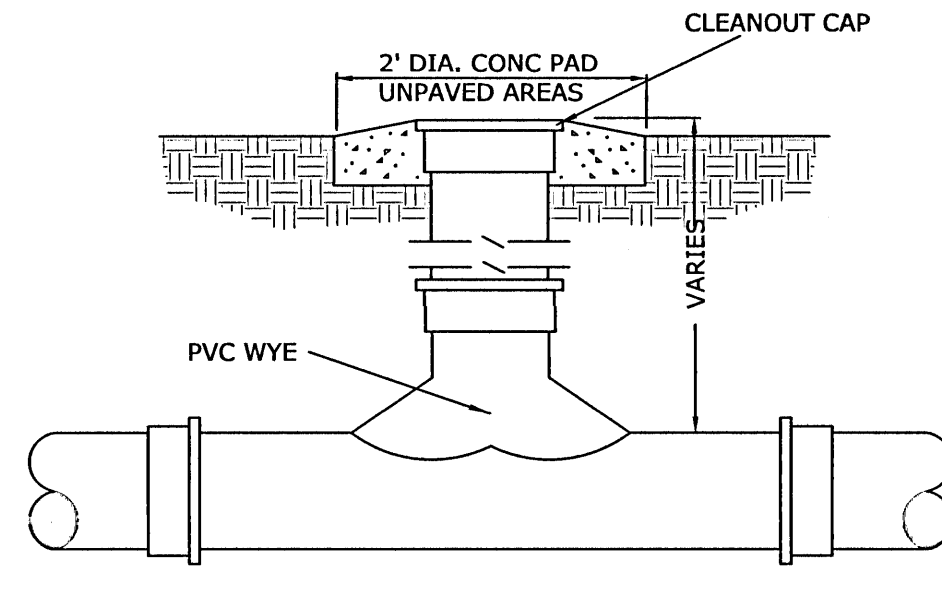
NOT TO SCALE



- NOTES:
1. VERTICAL PORTIONS SHALL BE NON-PERFORATED.
 2. CLEAN-OUT CAP SHALL BE WATER-TIGHT.
 3. CLEAN-OUTS SHALL INCORPORATE FITTINGS (WYE FITTINGS OR BENDS) THAT HAVE AN ANGLE NO LESS THAN 45° AS MEASURED FROM THE UPSTREAM END OF THE FILTER PIPES.
 4. CLEAN-OUT CAP SHALL BE IRON FERRULE w/ BRASS COUNTERSUNK SCREW PLUG IN ALL PAVED AREAS. PVC SCREW-CAP IS ACCEPTABLE IN UNPAVED AREAS.

ONE-WAY CLEAN-OUT DETAIL

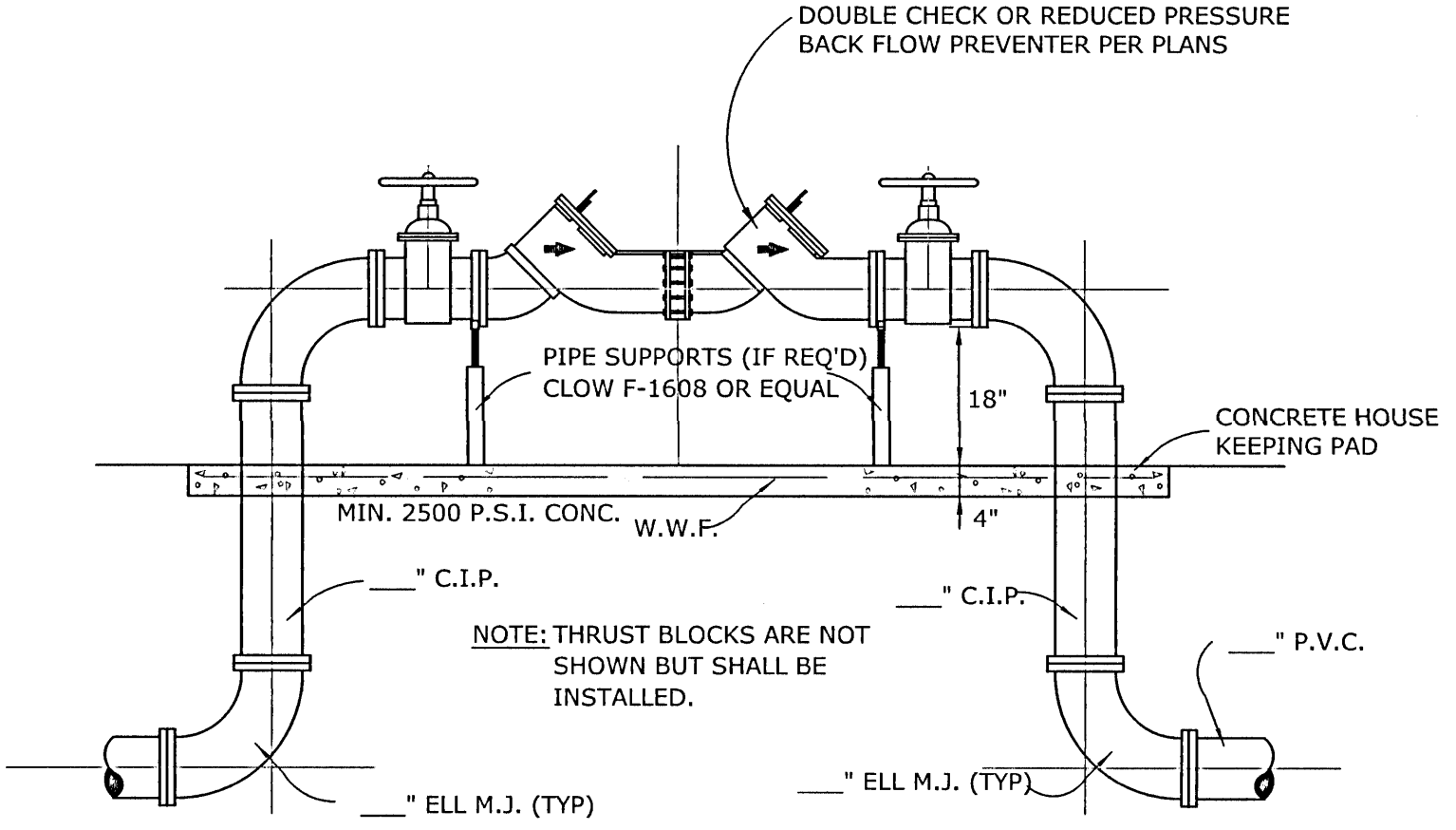
NOT TO SCALE



- NOTES:
1. VERTICAL PORTIONS SHALL BE NON-PERFORATED.
 2. CLEAN-OUT CAP SHALL BE WATER-TIGHT.
 3. CLEAN-OUTS SHALL INCORPORATE FITTINGS (WYE FITTINGS OR BENDS) THAT HAVE AN ANGLE NO LESS THAN 45° AS MEASURED FROM THE UPSTREAM END OF THE FILTER PIPES.
 4. CLEAN-OUT CAP SHALL BE IRON FERRULE w/ BRASS COUNTERSUNK SCREW PLUG IN ALL PAVED AREAS. PVC SCREW-CAP IS ACCEPTABLE IN UNPAVED AREAS.

TWO-WAY CLEAN-OUT DETAIL

NOT TO SCALE



- NOTES:
1. ABOVE GROUND PIPING, VALVES, AND BACKFLOW PREVENTER TO BE INSTALLED INSIDE INSULATED ENCLOSURE.
 2. SHUTOFF VALVES ON THE FIRE LINE BACKFLOW PREVENTER SHALL BE ELECTRONICALLY SUPERVISED WITH TAMPER SWITCHES. CHAINS AND LOCKS ARE NOT ACCEPTABLE, COORDINATE WITH ELECTRICAL PLANS.
 3. BACKFLOW PREVENTER ON FIRE LINE SHALL HAVE INDICATING VALVES (OS&Y).

BACKFLOW PREVENTER DETAIL

NOT TO SCALE

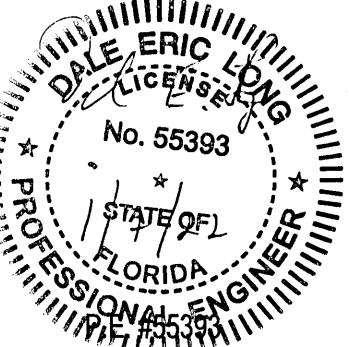
TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

CIVIL DETAILS

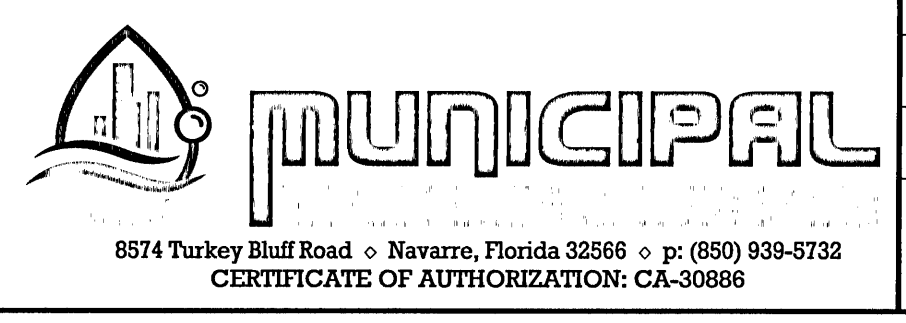
BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule	
FDOT COMMENTS	12-17 2021

Dale E. Long, P.E.



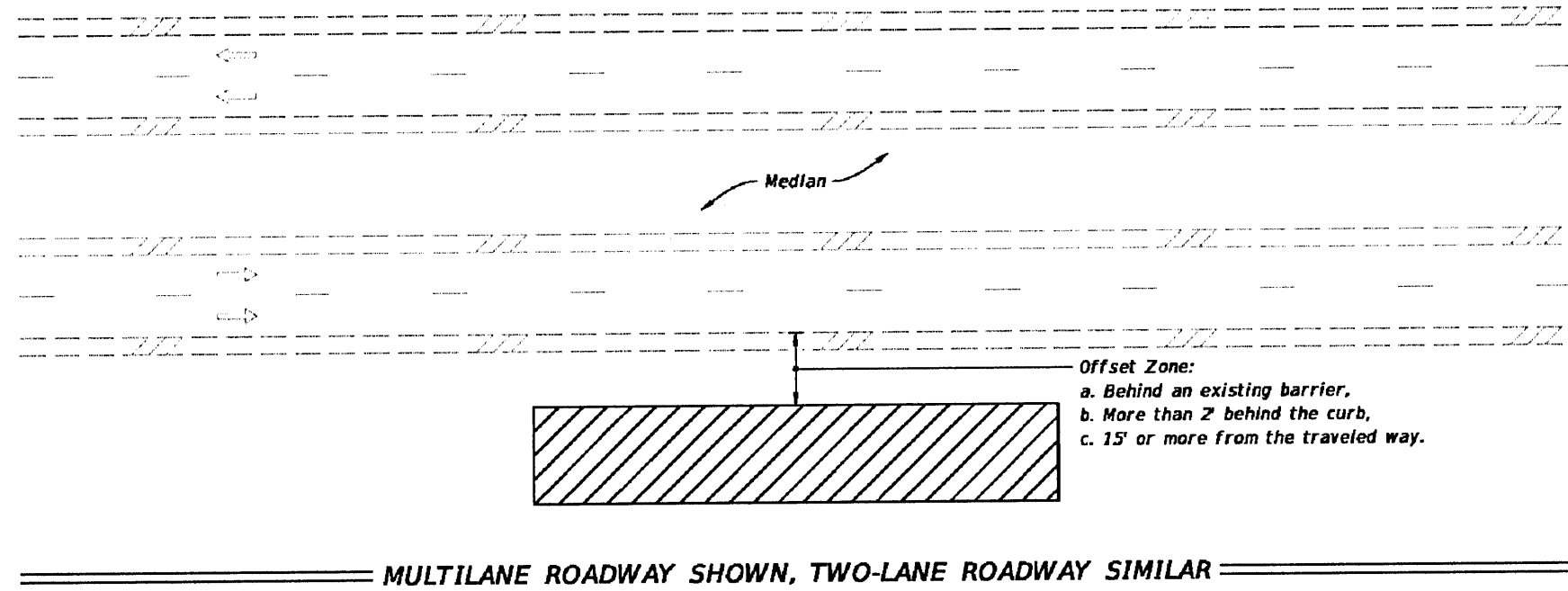
100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C803	
SHEET # 19 OF 26	



M:\2013\140006-005 Esc. Cnty FS Beulah DWG Sheets\90 C-800 Details.dwg, C803, 1/4/2022 10:04:21 AM

M:\2014\140006-005 Esc Cnty FS Beulah\DWG\Sheets\90 C-800 Details.dwg, C804, 1/4/2022 10:04:42 AM

9/7/2021 1:24:02 PM



NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

- Work Area
- Lane Identification and Direction of Traffic

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	INDEX	SHEET
11/01/20					102-601	1 of 1

GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.
2. Conform finished grade and slope of the Inlet Tops to the finished cross slope and grade of the adjacent sidewalk and/or border.
3. Provide 1 1/4" minimum cover for steel in the Inlet Top.
4. Construction of Inlet Tops are either precast or cast-in-place.
5. For precast units, the rear wall and apron may be precast as a separate piece from the top slab. Provide a minimum of 7 - #4 dowels, otherwise install in accordance with Index 425-001 "OPTIONAL CONSTRUCTION JOINTS".
6. These inlets are designed for use with standard curb and gutter Type E and Type F.
7. Use only round concrete support posts.

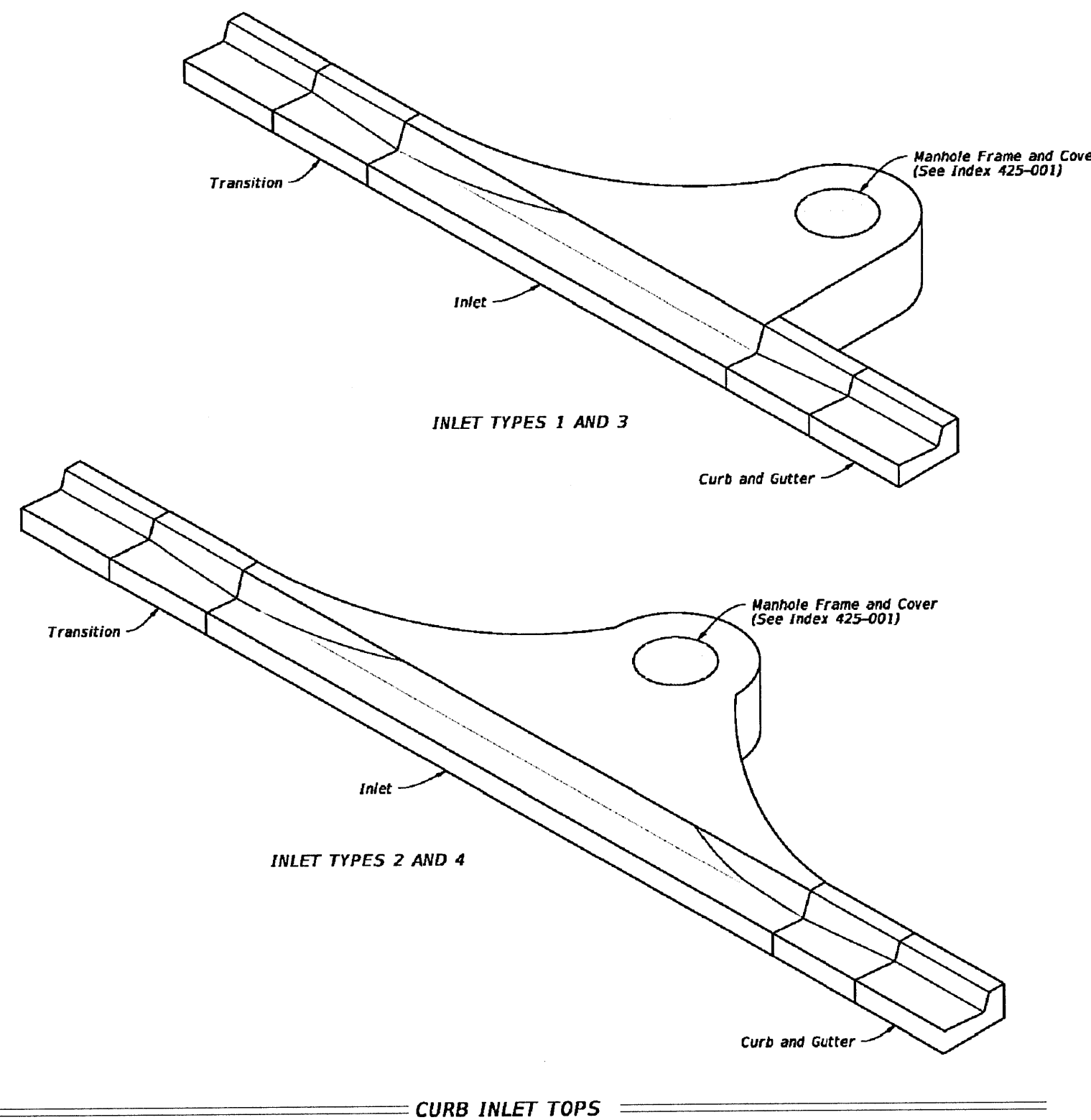


TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Top Dimensional and Reinforcing Details
3	Transverse Dimensional and Reinforcing Details

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 1, 2, 3, AND 4	INDEX	SHEET
11/01/20					425-020	1 of 3

9/7/2021 1:24:01 PM

9/7/2021 1:24:01 PM

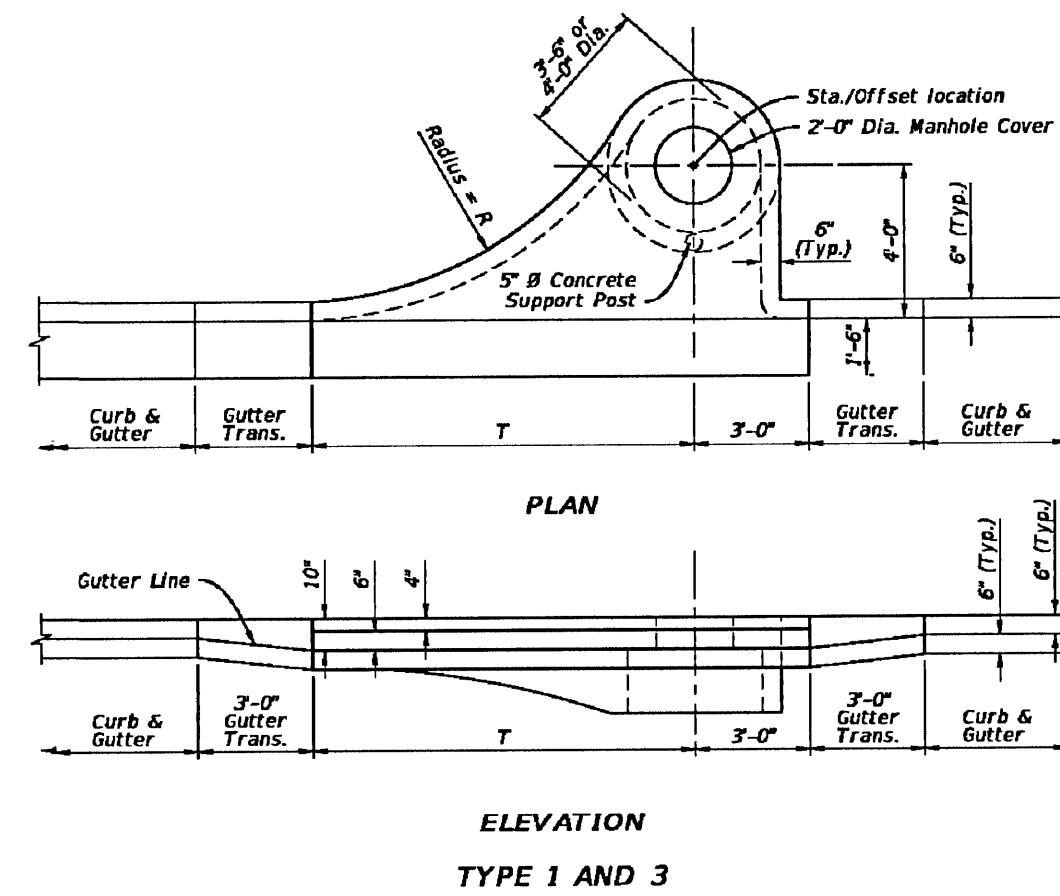
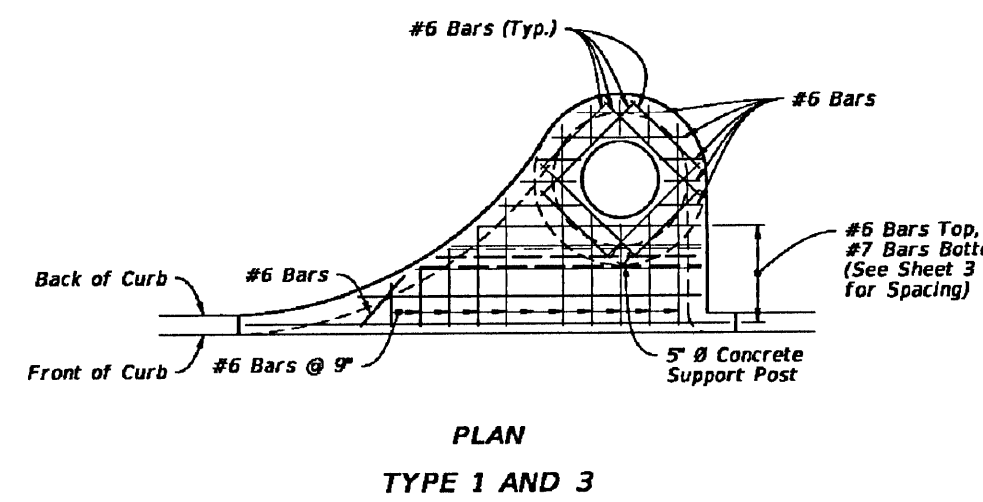
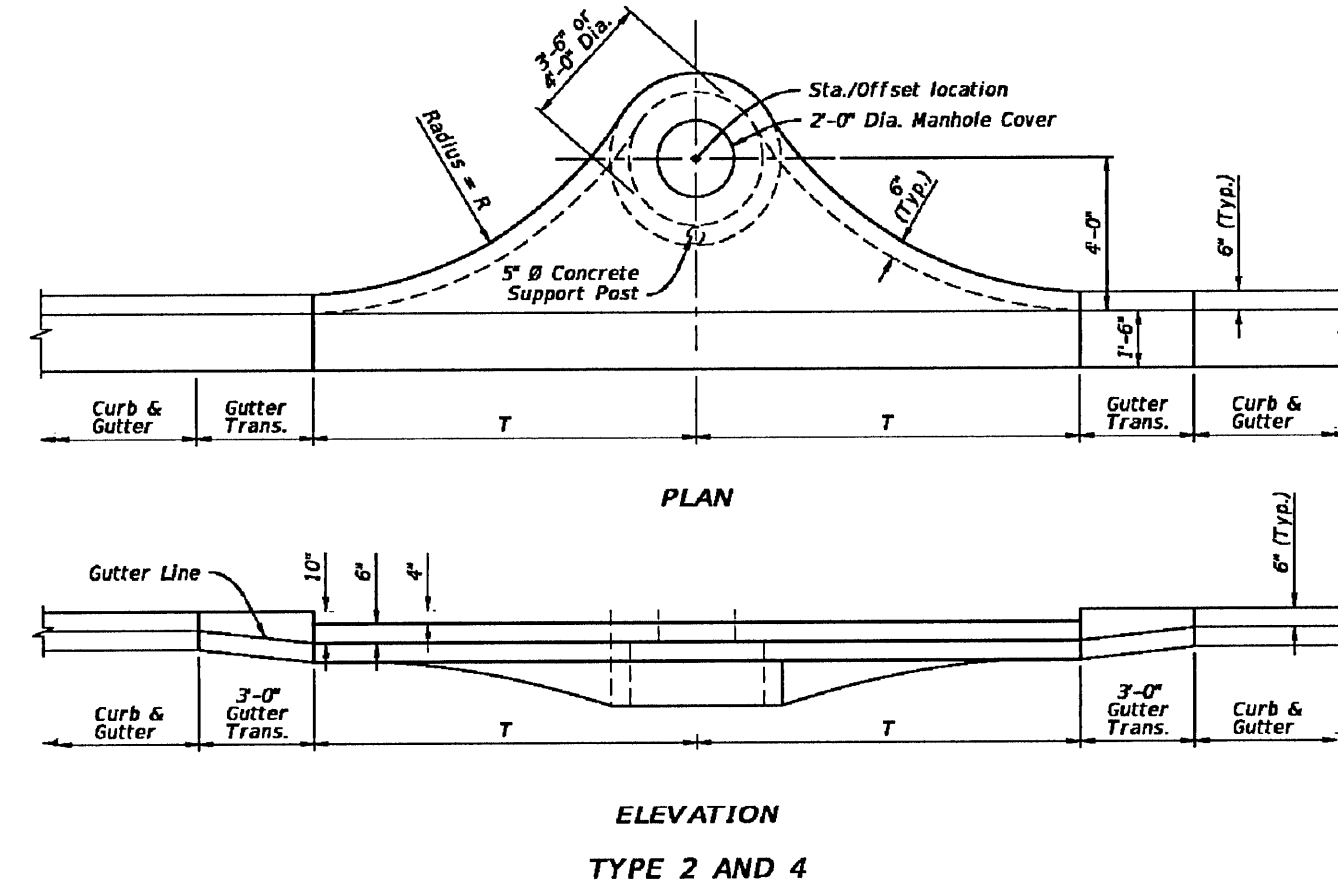
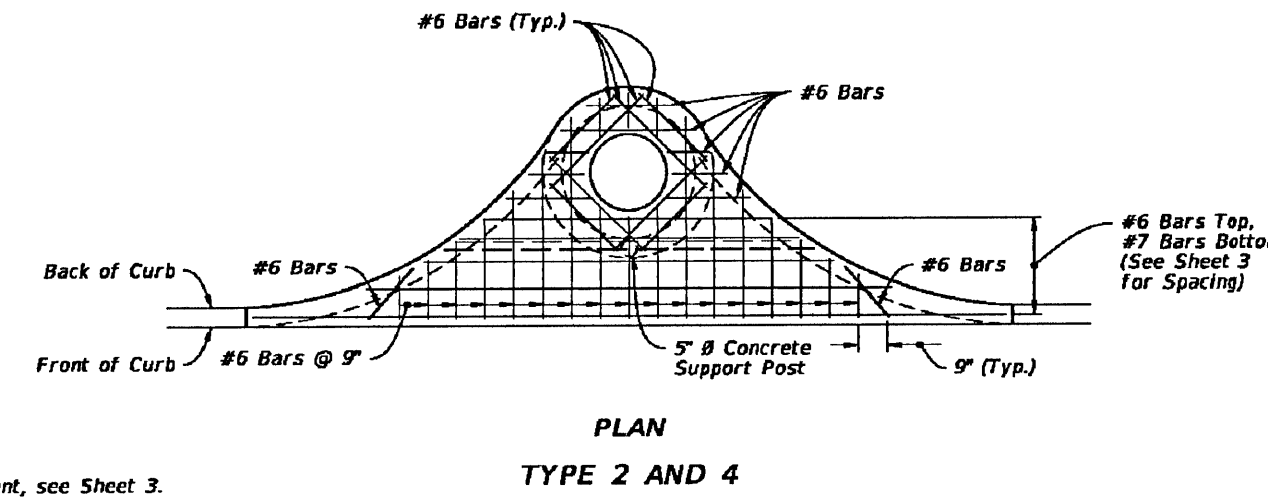


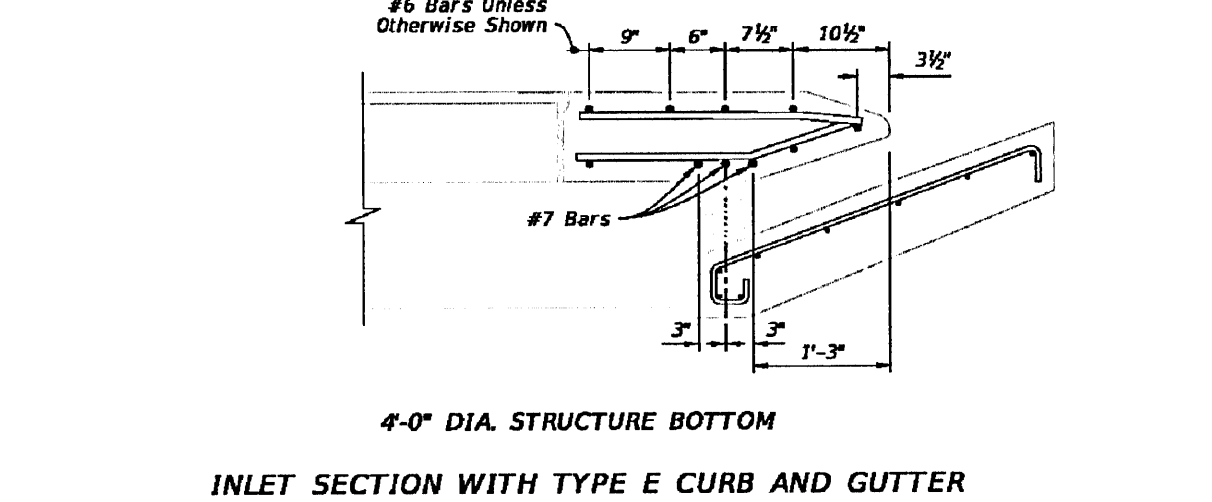
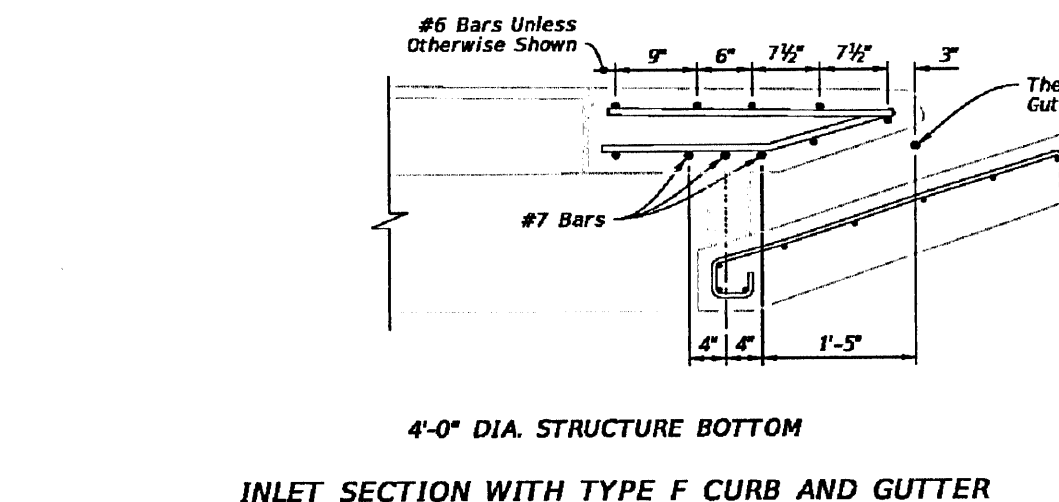
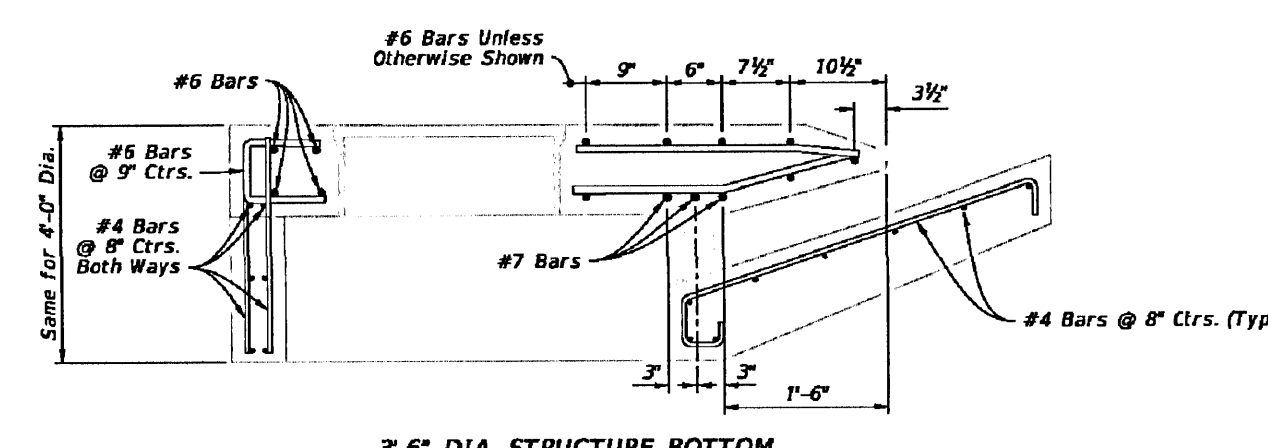
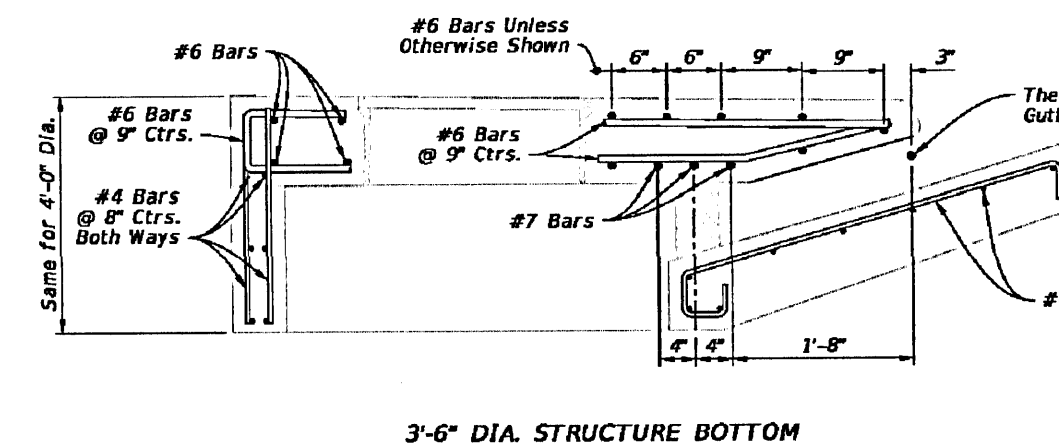
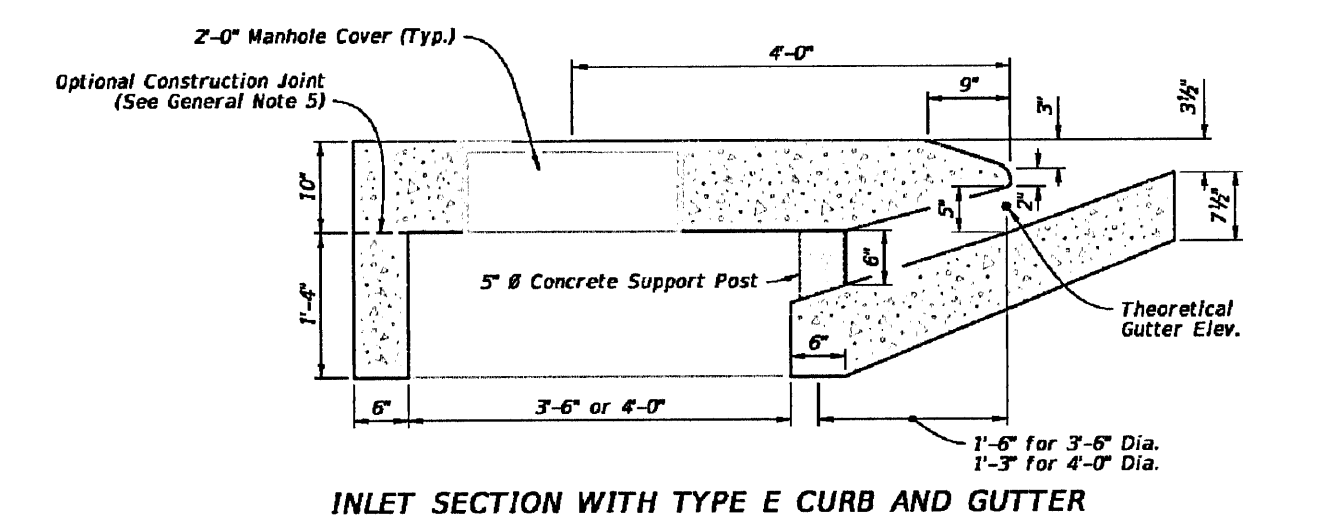
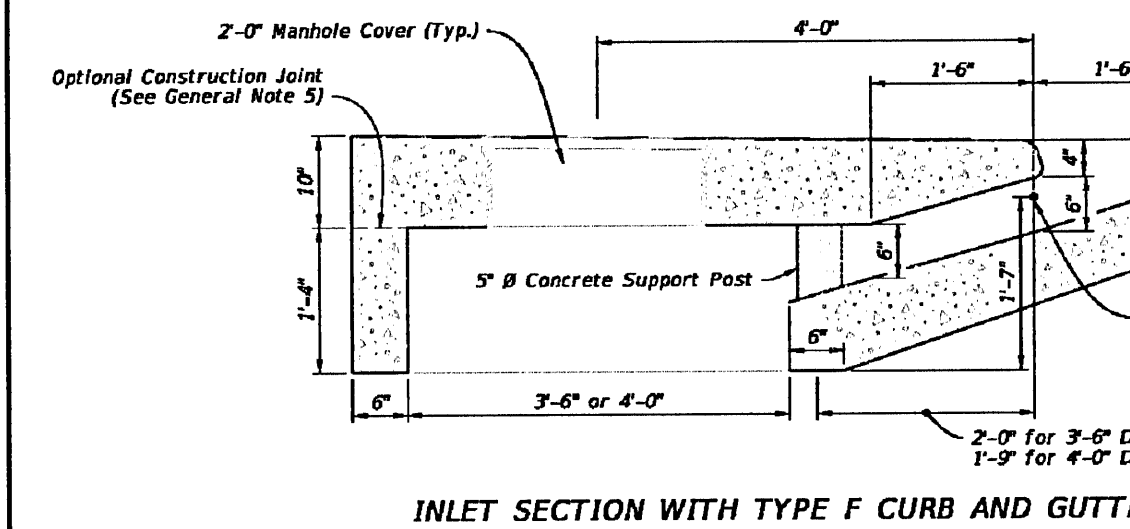
TABLE 1 INLET DIMENSIONS		
Type	R	T
1	10'-0"	10'-0"
2	10'-0"	10'-0"
3	6'-0"	6'-0"
4	6'-0"	6'-0"



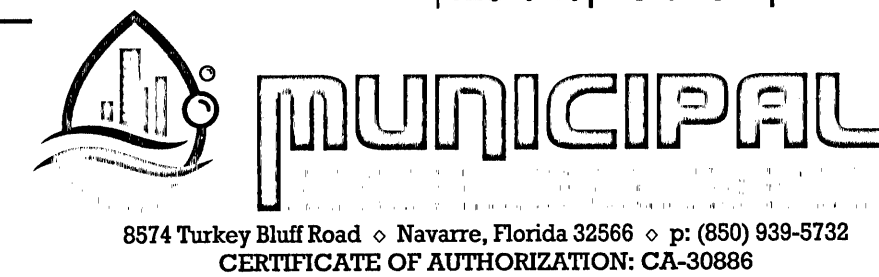
NOTE:
For transverse section reinforcement, see Sheet 3.



LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 1, 2, 3, AND 4	INDEX	SHEET
11/01/20					425-020	2 of 3



LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 1, 2, 3, AND 4	INDEX	SHEET
11/01/20					425-020	3 of 3



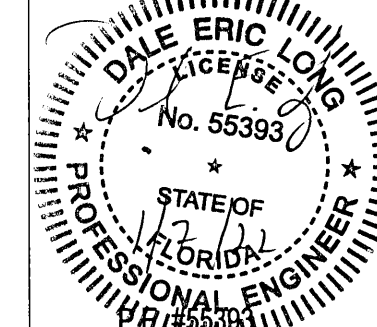
TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

CIVIL DETAILS

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

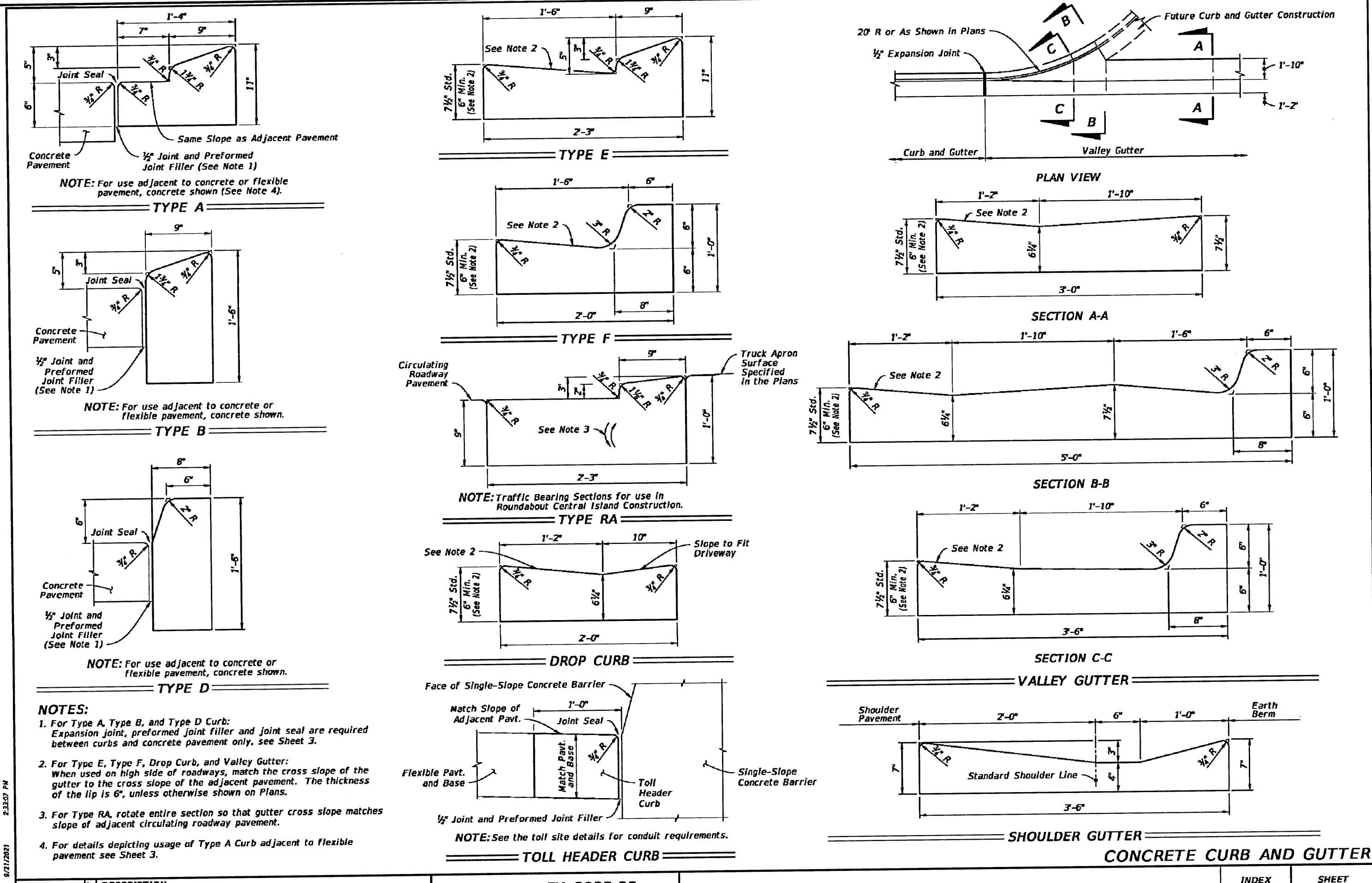
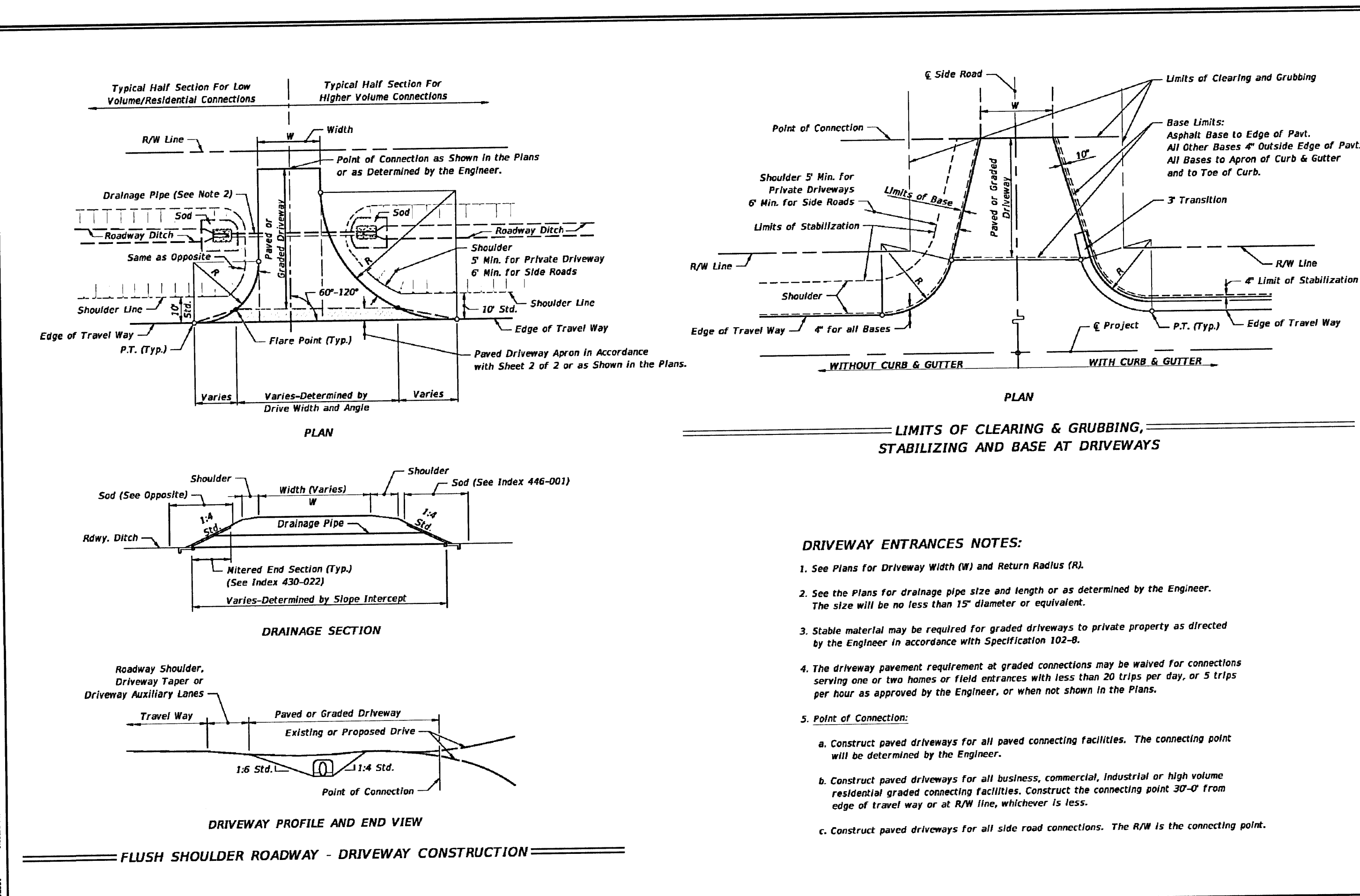
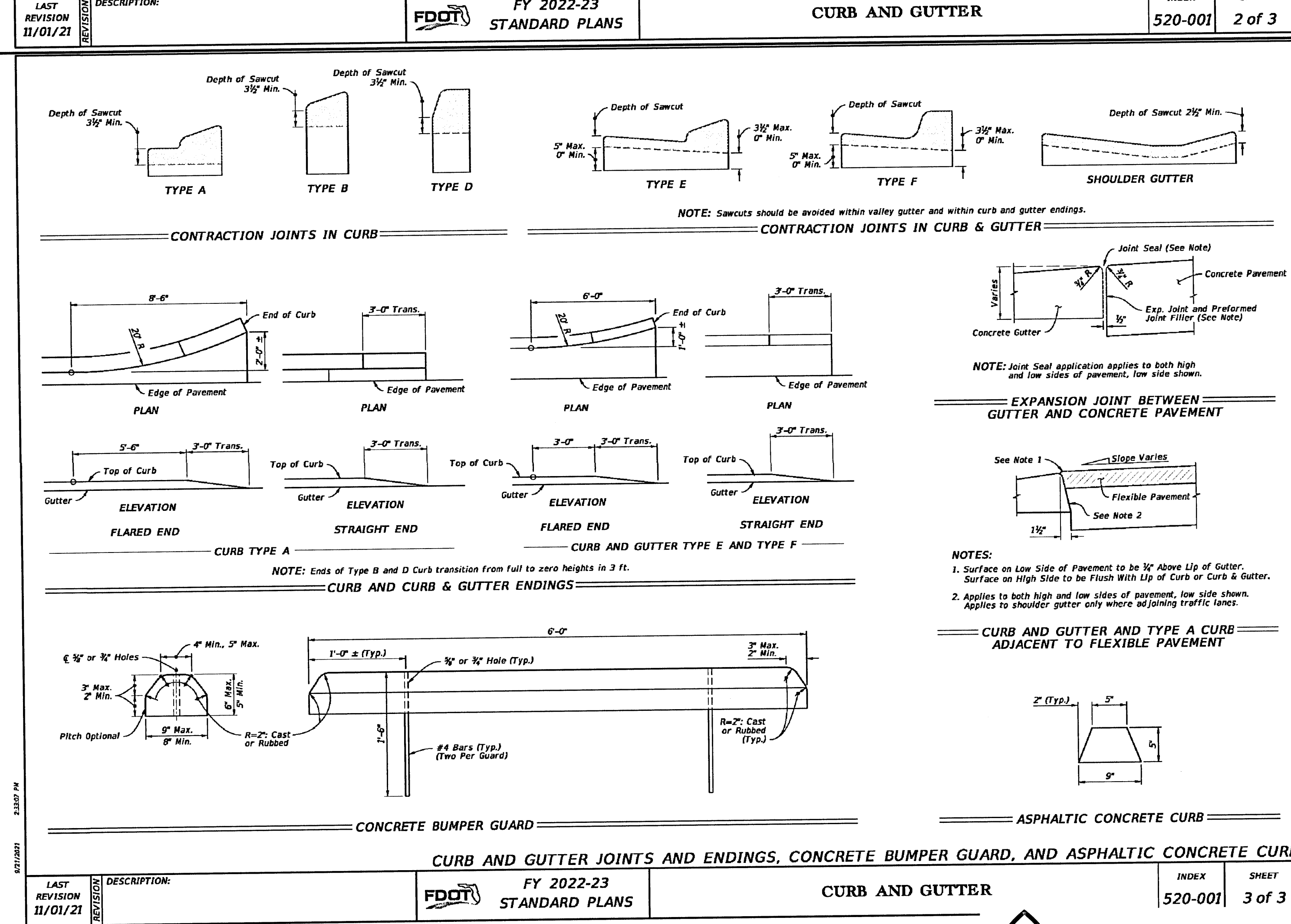
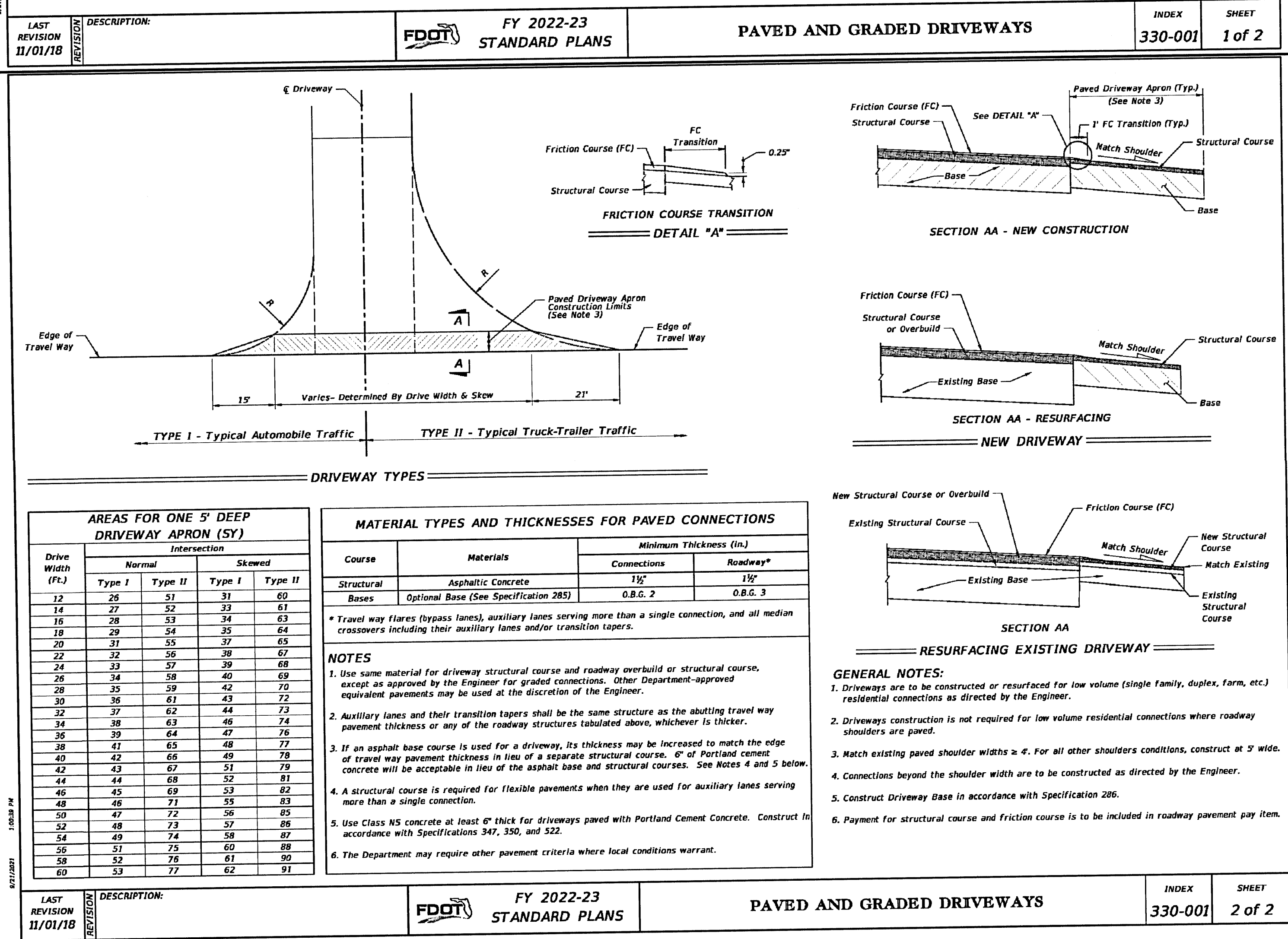
Revision Schedule	
FDOT	12-17
COMMENTS	2021

Dale E. Long, P.E.



100% CONSTRUCTION DOCS	
Scale: AS NOTED	
Date: JULY 28, 2021	
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C804	
SHEET # 20 OF 26	

MA20141-00006-005 Esc. Cnty FS Beulah.DWG(Sheets)90 C-800 Details.dwg, C805, 1/4/2022 10:05:01 AM



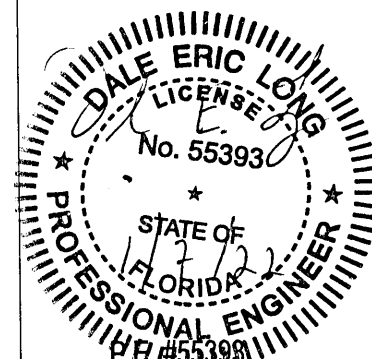
TOWNES architects, P.A.
ARCHITECTS PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-26001051

CIVIL DETAILS

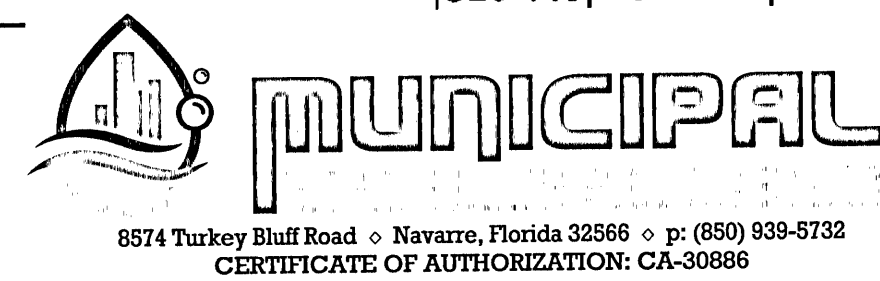
BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

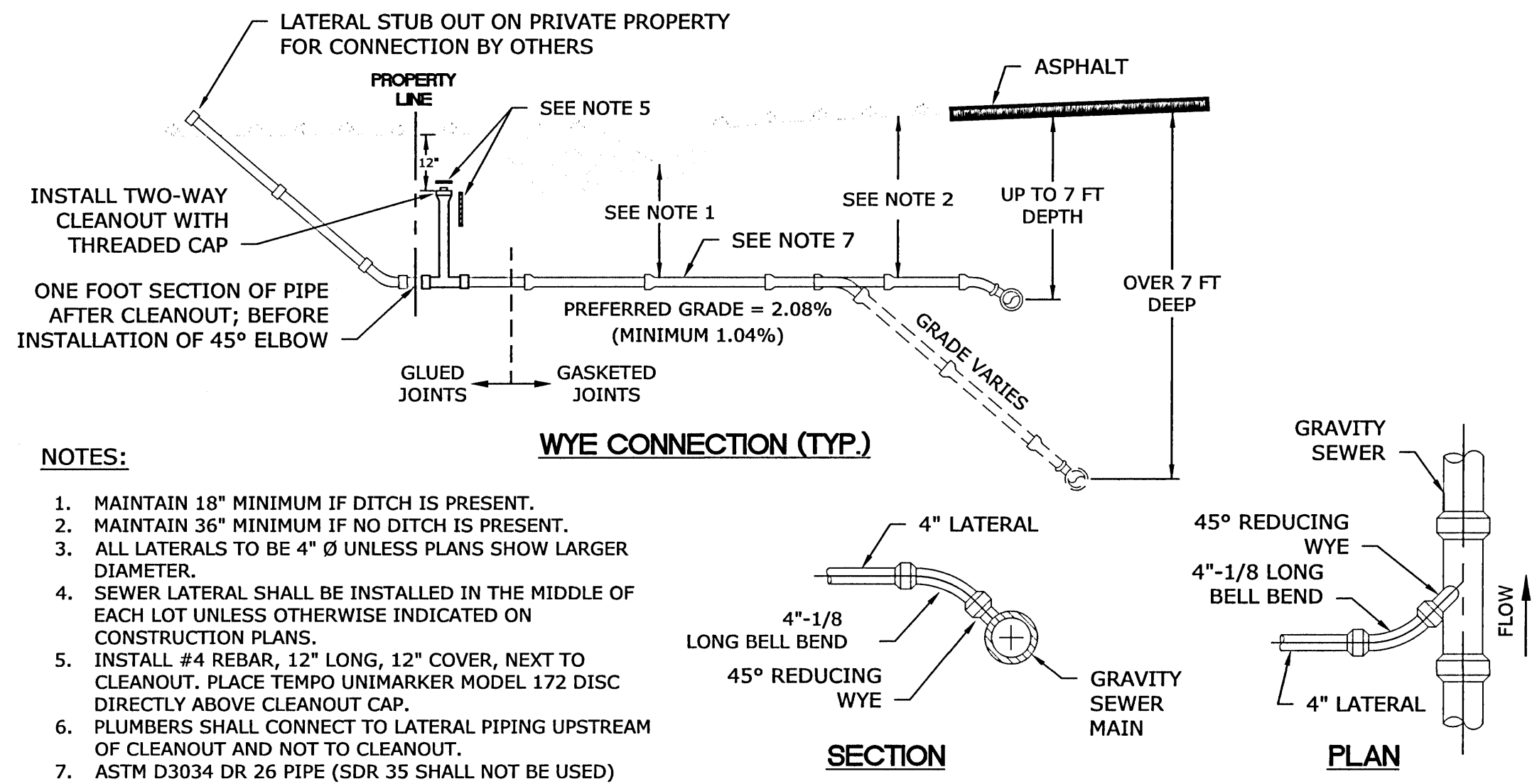
Revision Schedule	
Δ	FDOT COMMENTS 12-17 2021

Dale E. Long, P.E.

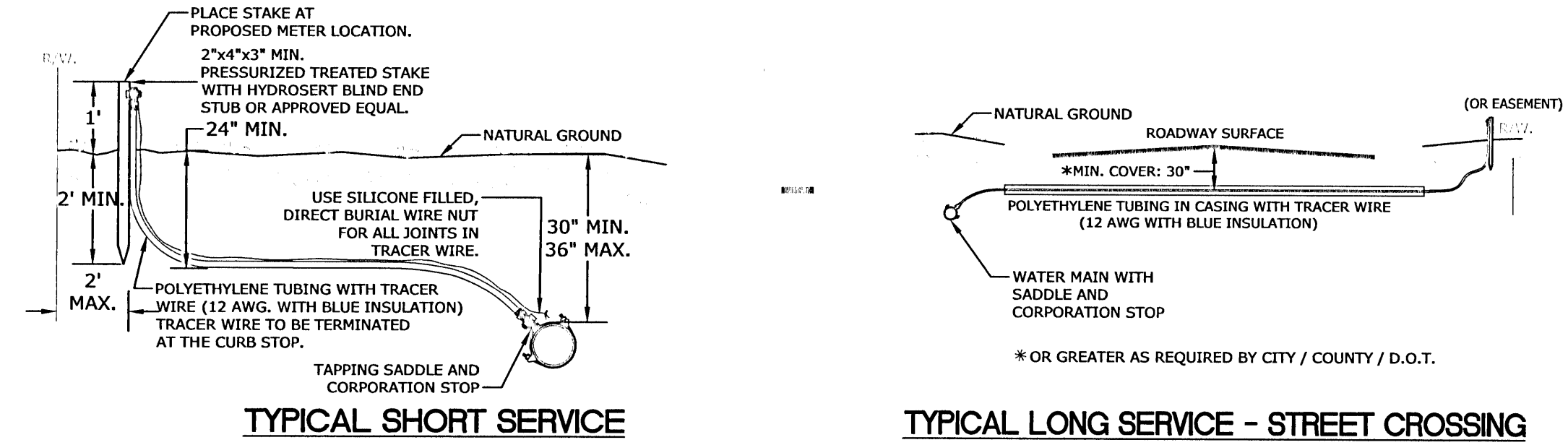


100% CONSTRUCTION DOCS	
Scale:	AS NOTED
Date:	JULY 28, 2021
Job No. 140006-005	Filename: SEE LEFT
Drawn: EMD	Checked: DEL
C805	
SHEET # 21 OF 26	



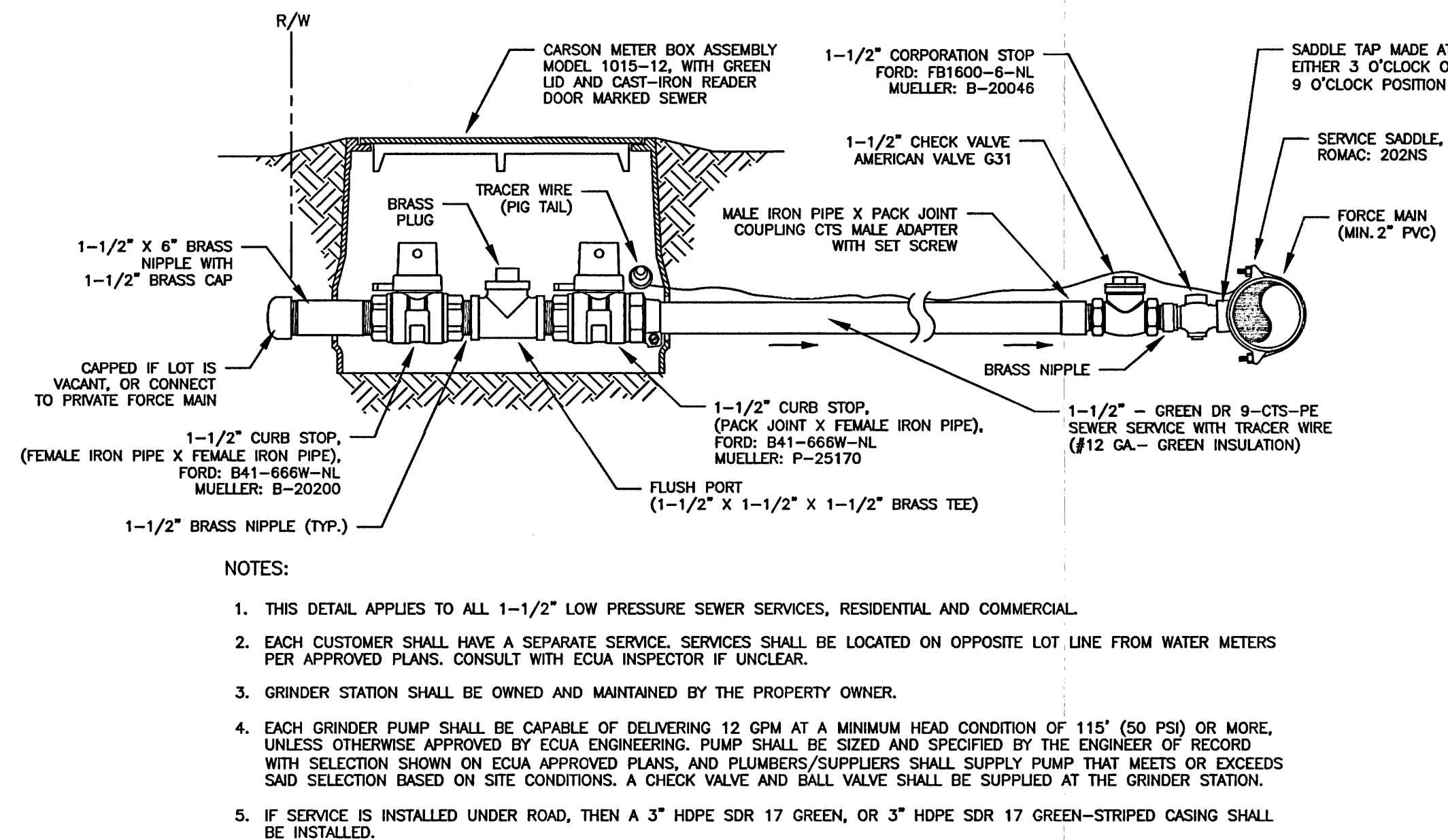


SEWER LATERAL CONNECTION D-1

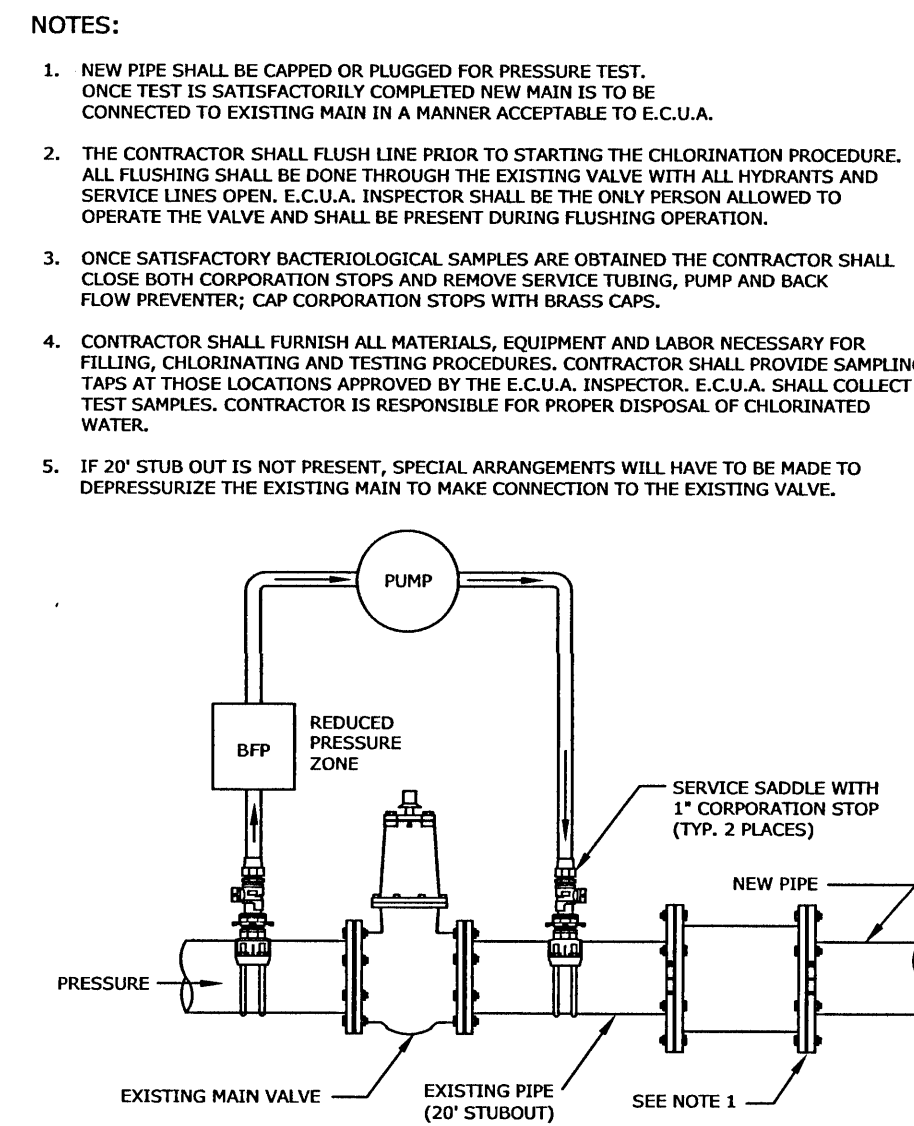


RECOMMENDED TUBING SIZES FOR WATER SERVICES		
SIZE OF METER	DESIGN FLOW (GPM)	MAX. LENGTH OF TUBING FOR SIZE INDICATED
		1" 2"
3/4"	20	92 2679
1"	50	17 492
1 1/2"	100	136
SIZE OF CASING (LONG SERVICE ONLY)		2" 4"

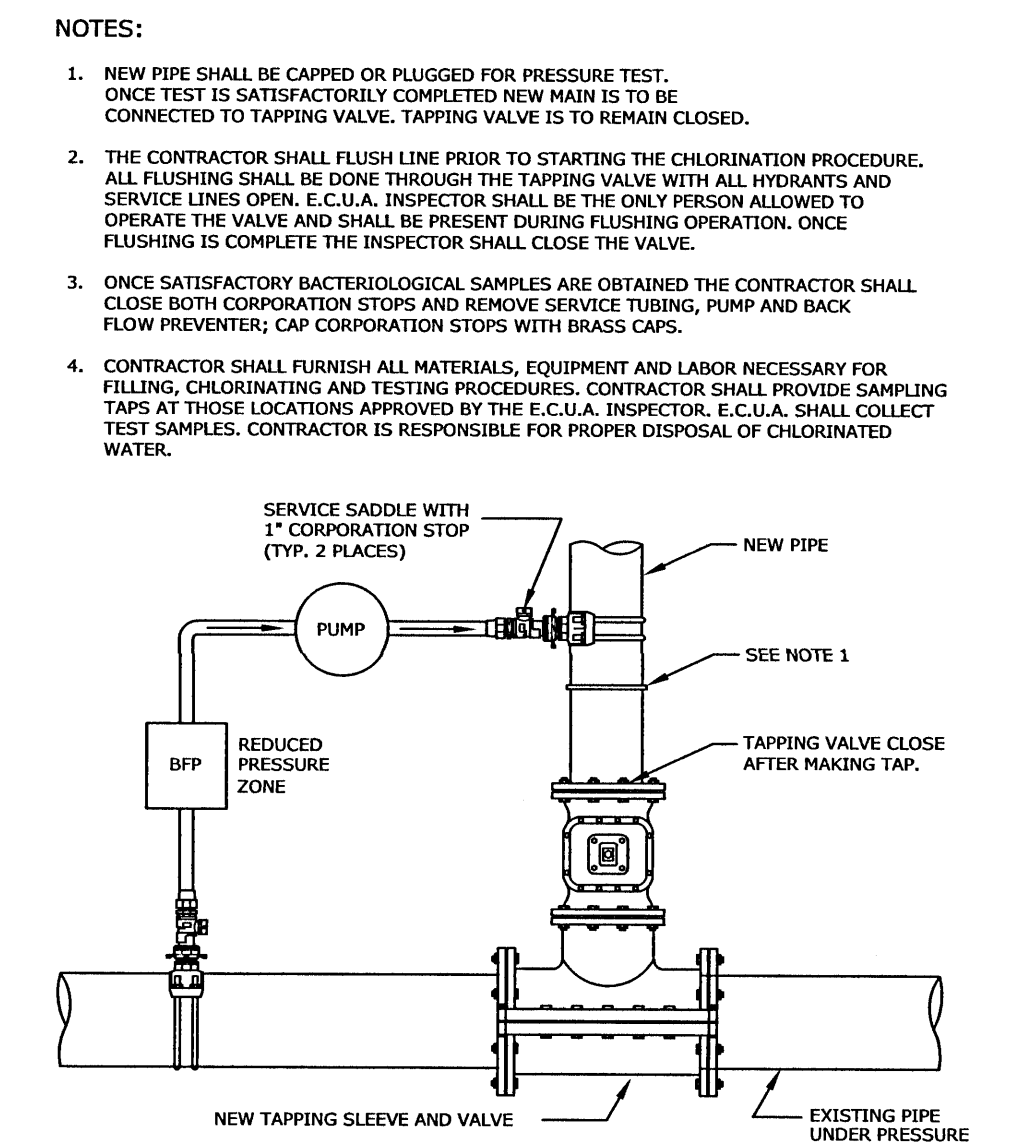
WATER SERVICE FOR 5/8", 1", & 1 1/2" METERS D-40



LOW PRESSURE RESIDENTIAL SEWER SERVICE D-20



TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION (EXISTING STUBOUT)

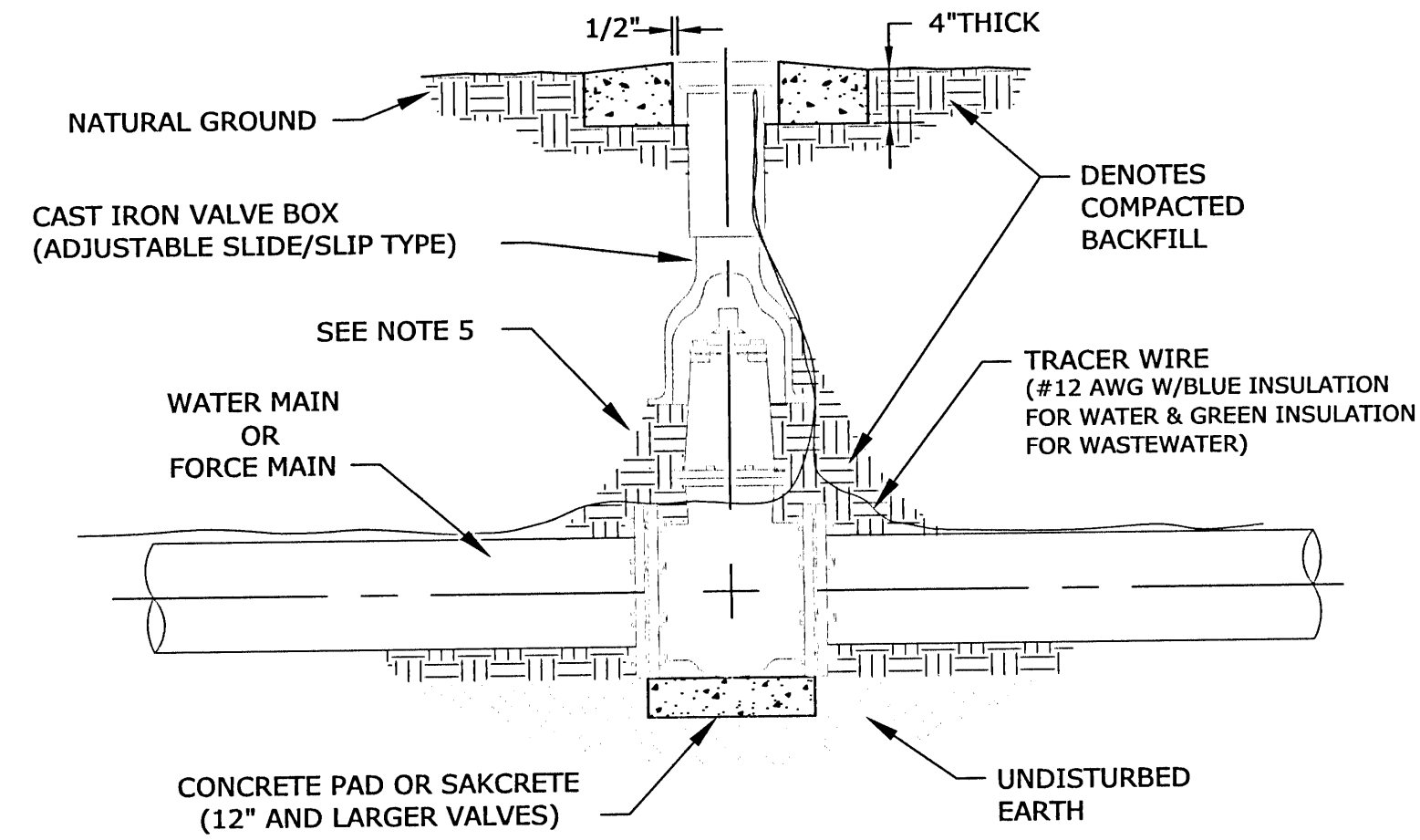
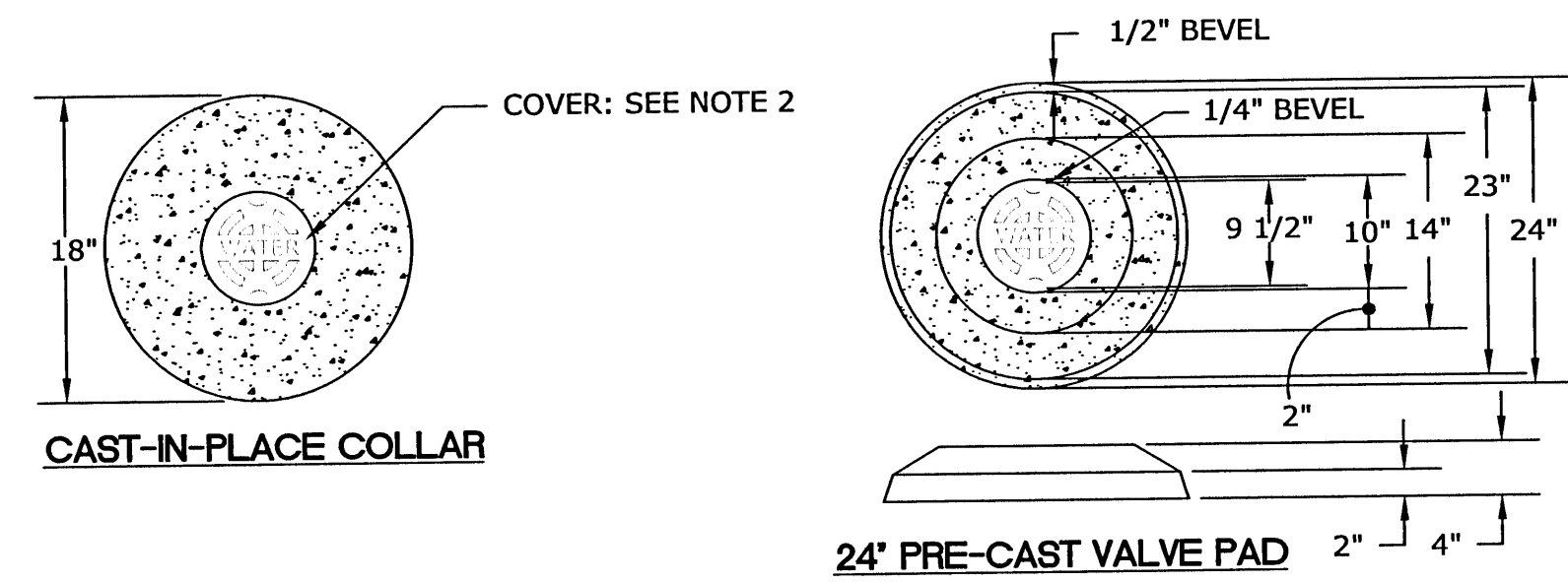
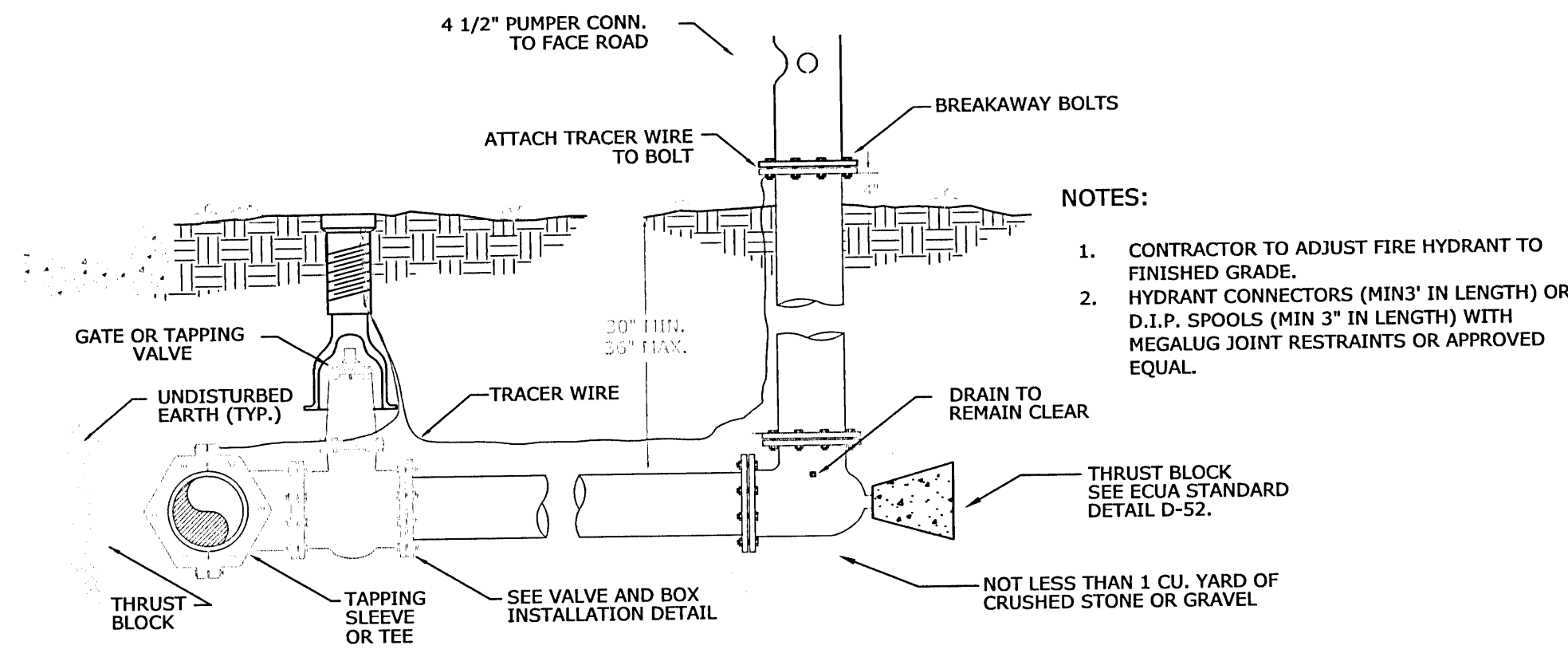
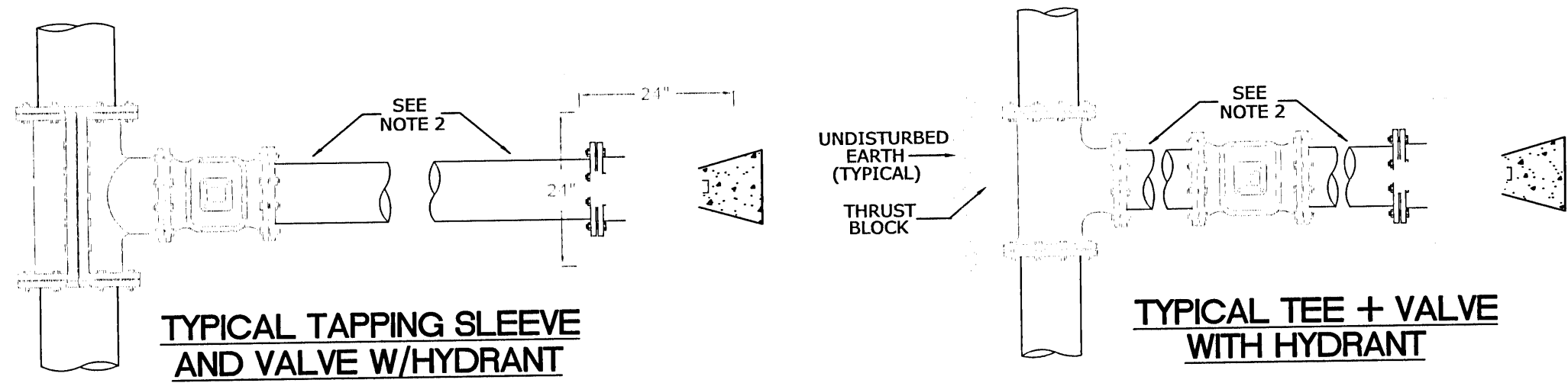


TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION (TAPPING SLEEVE AND VALVE)

TYPICAL CHLORINE DISINFECTION

D-41

Revision Schedule	



- NOTES:
1. VALVE BOX AND BOOT SHALL BE CAST IRON.
 2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE
 3. VALVE BOX TOP & COLLAR SHALL BE FLUSH WITH FINISHED GRADE OR 1/2" ABOVE NATURAL GROUND LEVEL.
 4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS.
 5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.

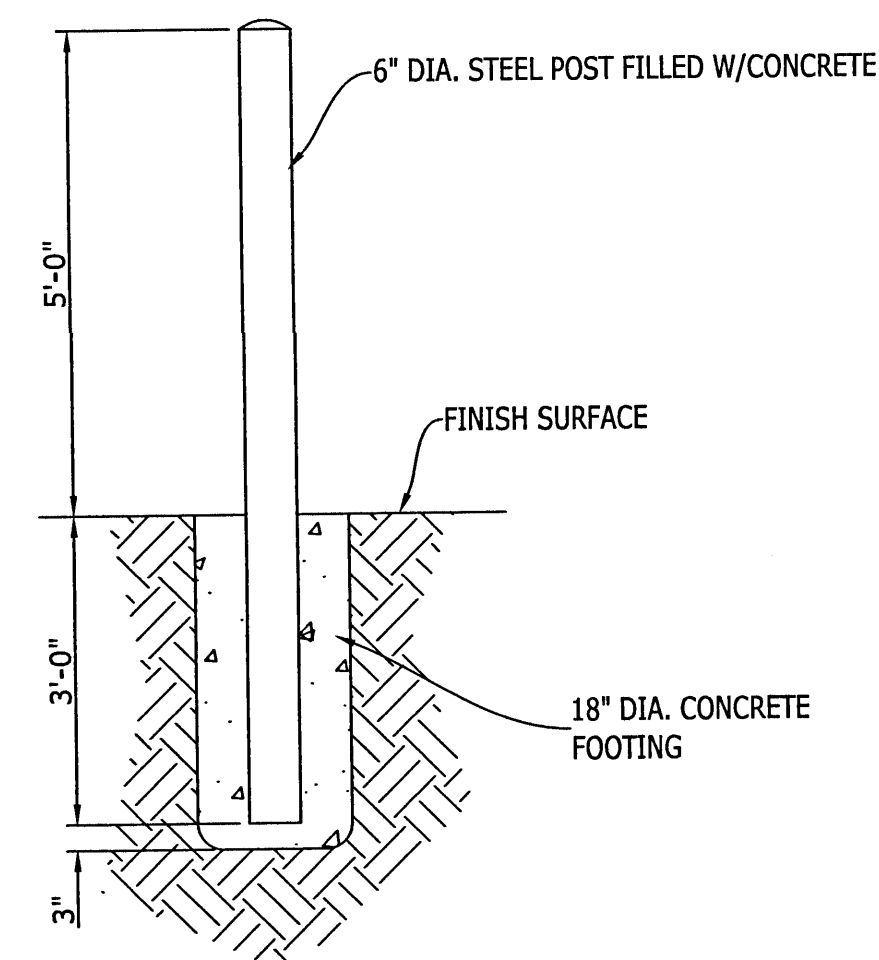
OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING • CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN	<p>3 FT. MINIMUM</p>	<p>12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED</p>	<p>ALTERNATE 3 FT. MINIMUM</p>
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN	<p>10 FT. PREFERRED 6 FT. MINIMUM (2)</p>	<p>12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED</p>	<p>ALTERNATE 6 FT. MINIMUM</p>

- (1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

- NOTES:
- A. INFORMATION PROVIDED FROM FDEP RULE 62-555. IF OTHER FDEP RULES CONFLICT, THEN USE THE MOST STRINGENT RULE.
 - B. IF THERE ARE CONFLICTS IN THE SEPARATION REQUIREMENTS BETWEEN COLLECTION SYSTEMS AND DRINKING WATER FACILITIES ESTABLISHED IN FOOTNOTES (1) AND (2) ABOVE AND THOSE ESTABLISHED IN CHAPTER 62-532 OR 62-555, F.A.C., THEN THE REQUIREMENTS IN CHAPTER 62-532 OR 62-555, F.A.C., SHALL APPLY.

WATER / SEWER SEPARATION

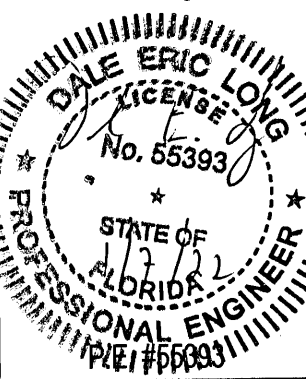
D-64



NOTE: SPACING BETWEEN BOLLARDS IS 6' MAX.

Revision Schedule	

Dale E. Long, P.E.



100% CONSTRUCTION DOCS

Scale: AS NOTED

Date: JULY 28, 2021

Job No. 140006-005

Filename: SEE LEFT

Drawn: EMD

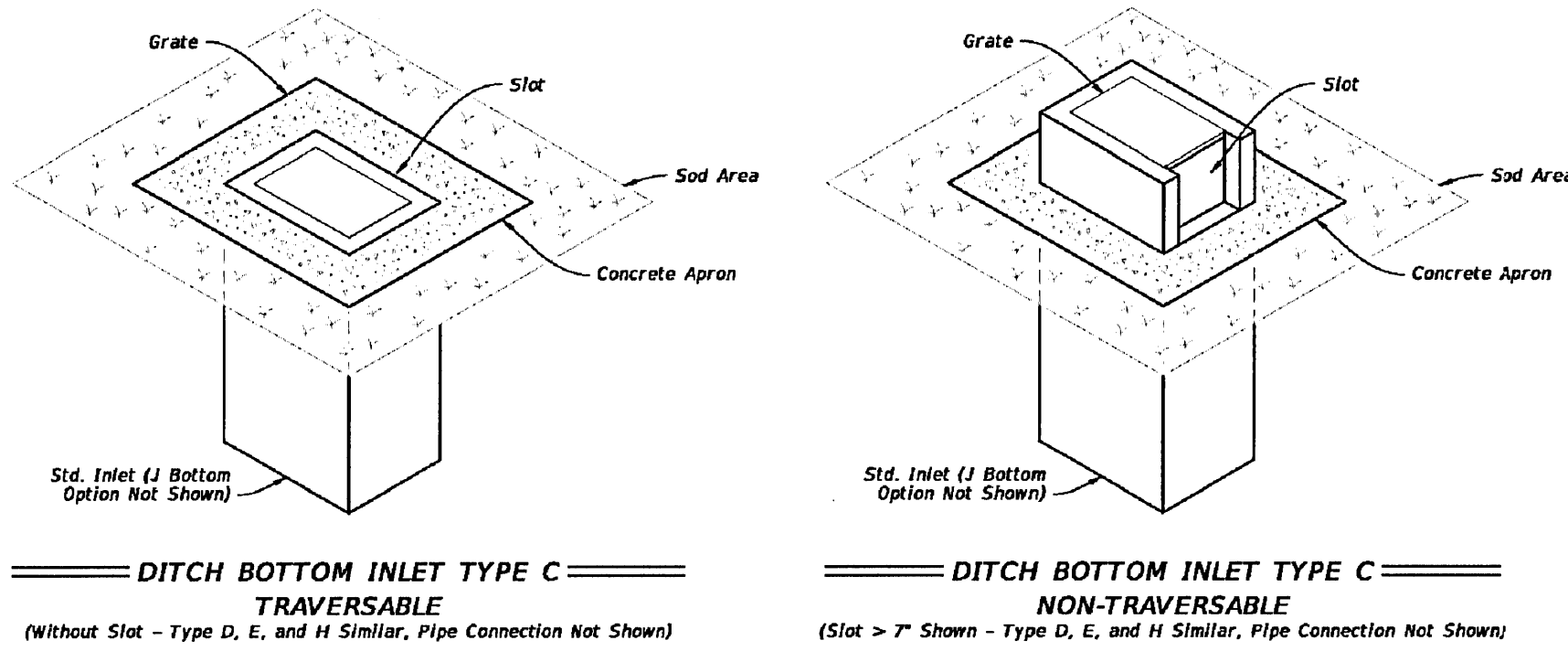
Checked: DEL

C807

SHEET # 23 OF 26

GENERAL NOTES:

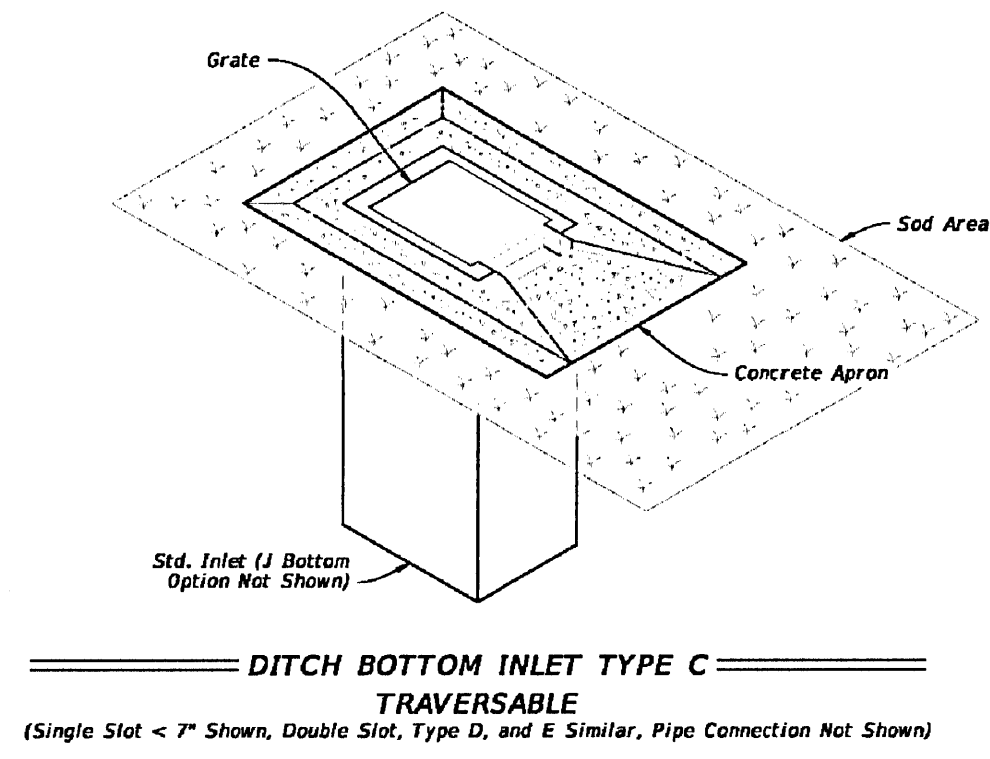
1. Work this Index with Index 425-001 and Index 425-010.
2. Chamfer all exposed edges and corners $\frac{3}{8}$ " chamfer or tool to $\frac{1}{4}$ " radius.
3. All reinforcing is Grade 60 bars with 2" minimum cover unless otherwise noted. Cut or bend bars for 1W clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.
4. Use Concrete Apron on inlets without slots and inlets with non-traversable slots only when called for in the Plans.
5. Quantities are for informational and estimating purposes only.



DITCH BOTTOM INLET TYPE C
TRAVERSABLE
 (Without Slot - Type D, E, and H Similar, Pipe Connection Not Shown)

DITCH BOTTOM INLET TYPE C
NON-TRAVERSABLE
 (Slot > 7" Shown - Type D, E, and H Similar, Pipe Connection Not Shown)

Sheet	Description
1	General Notes and Contents
2	Type C - Dimensional, Reinforcing, and Grate Details
3	Type D - Dimensional, Reinforcing, and Grate Details
4	Type E - Dimensional, Reinforcing, and Grate Details
5	Type H (2 & 3 Grate) - Dimensional, Reinforcing, and Steel Grate Details
6	Type H (4 Grate) - Dimensional, Reinforcing, and Steel Grate Details
7	Cast Iron Grate Details
8	Non-Traversable Inlet Details
9	Traversable Inlet Without Slot Details
10	Traversable Inlet With Slot Details
11	Case 1 - Add Traversable Slots to Existing Inlets
12	Case 2 - Add Traversable Slots (Partial) to Existing Inlets
13	Case 3 - Add Traversable Slots (Partial) to Existing Inlets and Ditch Block
14	Alternate A Structure Bottom - Top Slab Details



DITCH BOTTOM INLET TYPE C
TRAVERSABLE
 (Single Slot < 7" Shown, Double Slot, Type D, and E Similar, Pipe Connection Not Shown)

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	DITCH BOTTOM INLET TYPE C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	1 of 14

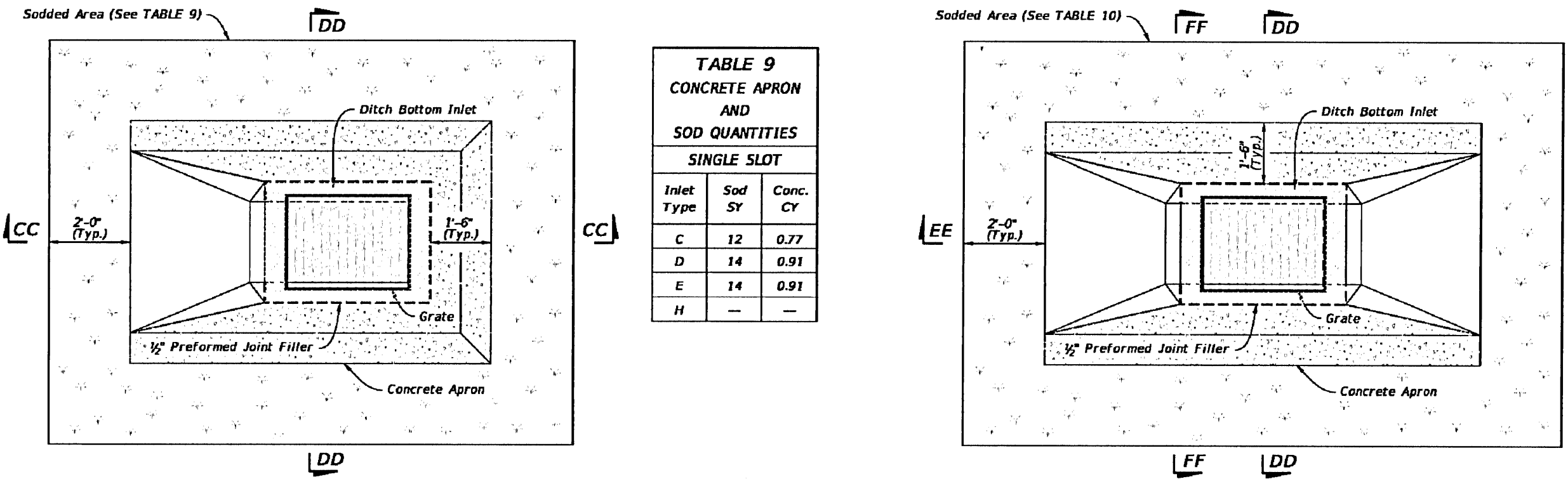


TABLE 9
CONCRETE APRON AND SOD QUANTITIES
SINGLE SLOT

Inlet Type	Sod SY	Conc. CY
C	12	0.77
D	14	0.91
E	14	0.91
H	—	—

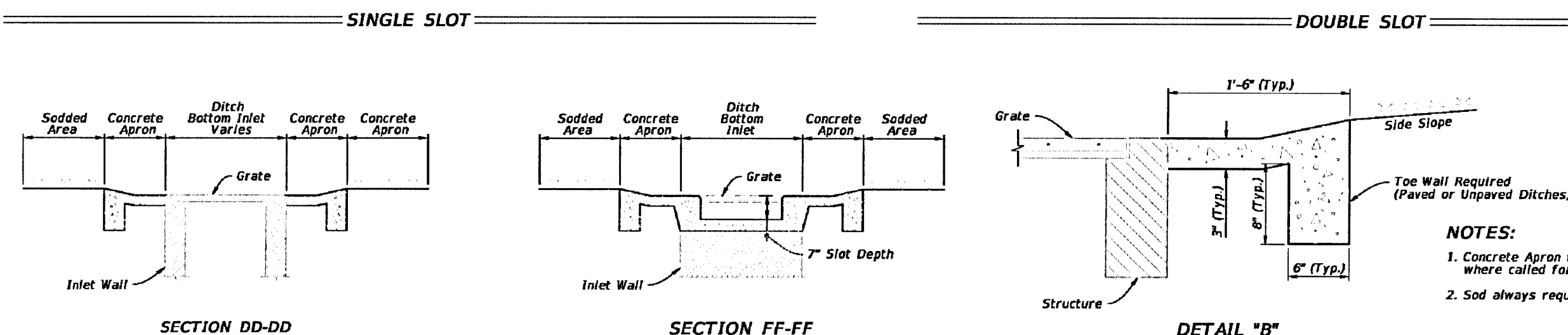
TABLE 10
CONCRETE APRON AND SOD QUANTITIES
DOUBLE SLOT

Inlet Type	Sod SY	Conc. CY
C	16	0.93
D	19	1.10
E	18	1.08
H	—	—



SECTION CC-CC

SECTION EE-EE



SECTION DD-DD

SECTION FF-FF

DETAIL "B"

- NOTES:**
1. Concrete Apron to be installed only where called for in the Plans.
 2. Sod always required.

TRAVERSABLE INLET WITH SLOT DETAILS

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	DITCH BOTTOM INLET TYPE C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	10 of 14

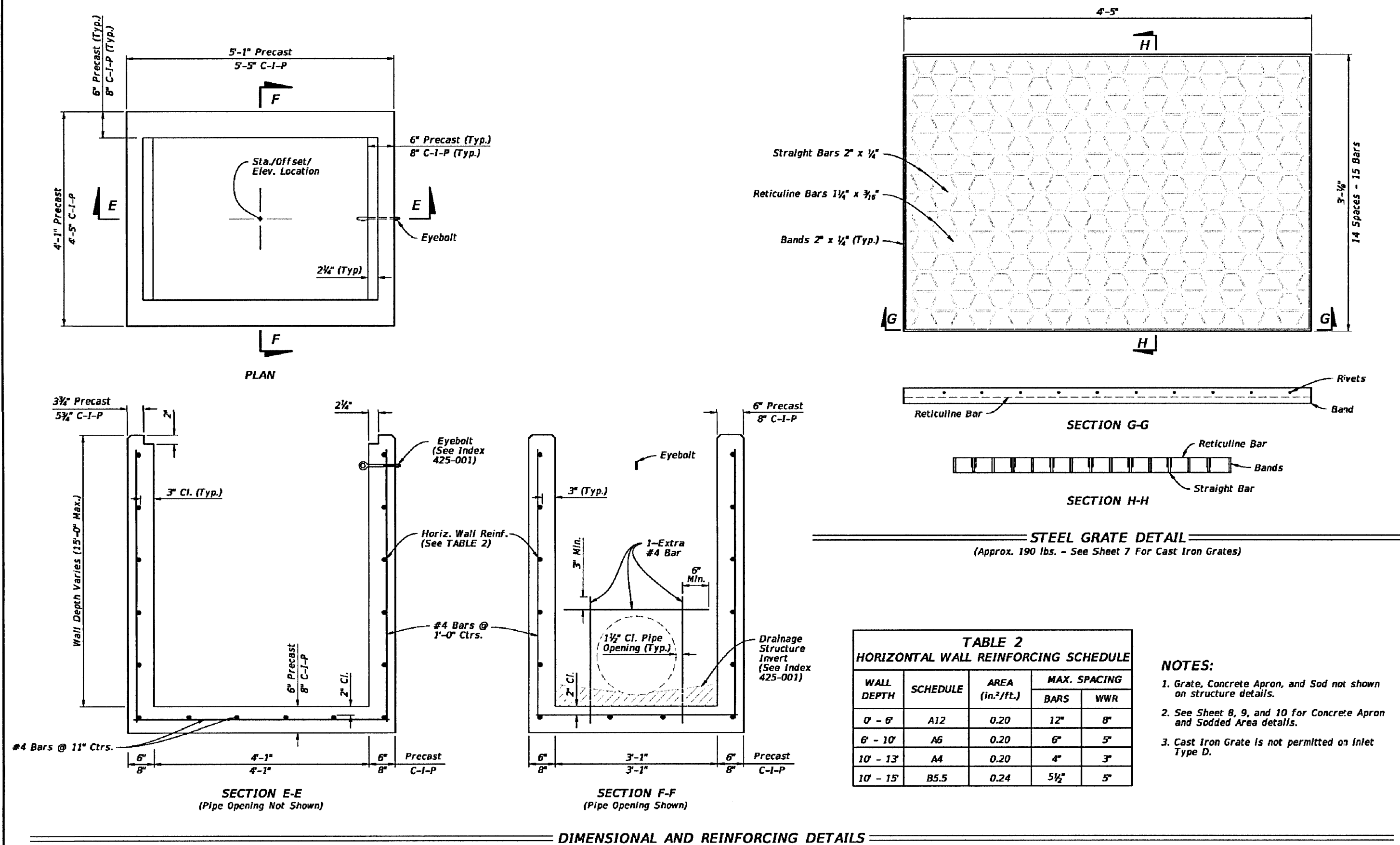


TABLE 2
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING
0' - 6"	A12	0.20	12"
6' - 10'	A6	0.20	6"
10' - 13'	A4	0.20	4"
13' - 15'	B5.5	0.24	5 1/2"

- NOTES:**
1. Grate, Concrete Apron, and Sod not shown on structure details.
 2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.
 3. Cast Iron Grate is not permitted on Inlet Type D.

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	DITCH BOTTOM INLET TYPE C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	3 of 14

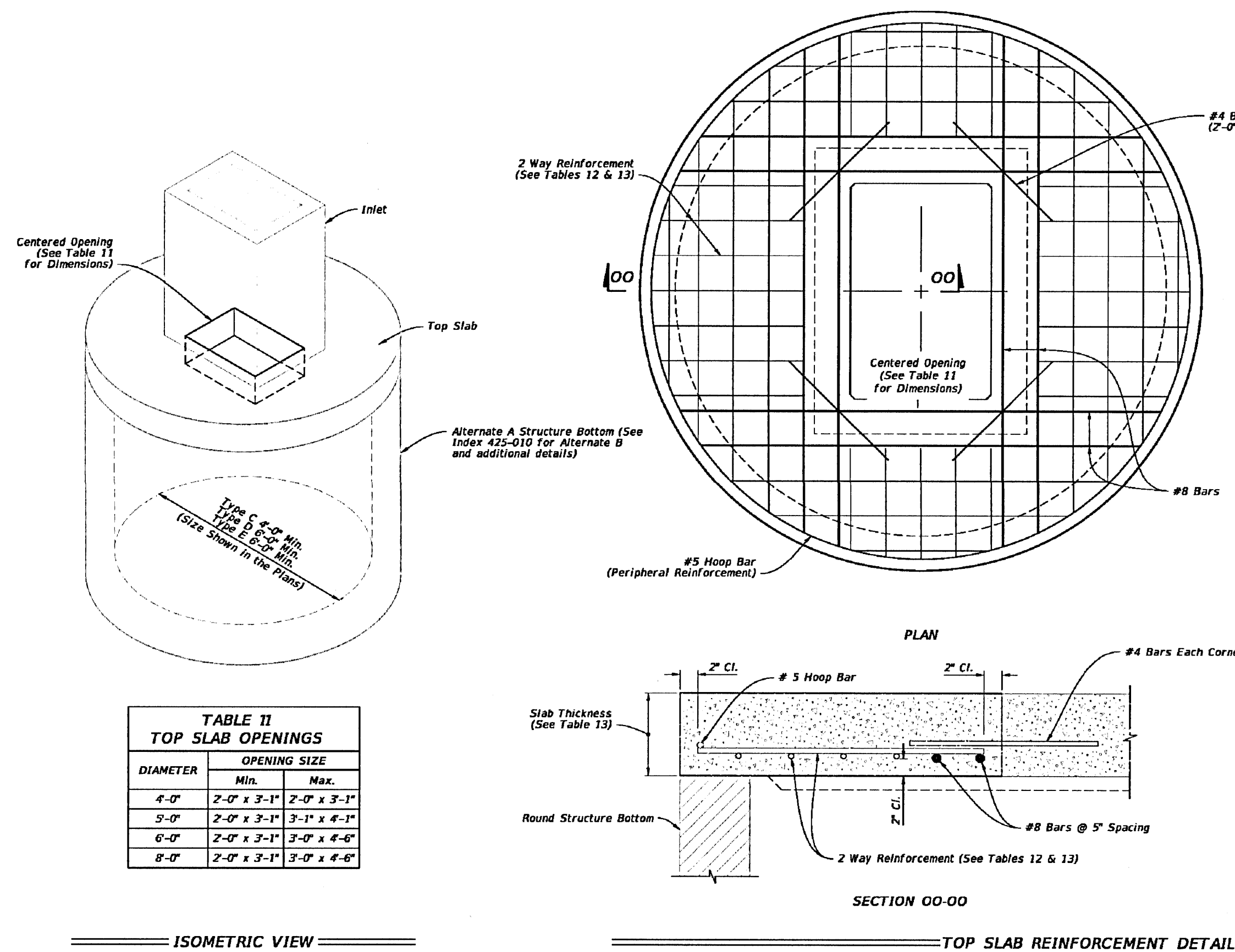


TABLE 12
TOP SLAB REINFORCING SCHEDULE

SCHEDULE	GRADE 60 (BAR) OR 65 KSI (70 KSI) (WIRE REINFORCING) in. ² /ft.
A	0.20
B	0.24
C	0.37
D	0.53
E	0.73
F	1.06
G	1.45

TABLE 13
TOP SLAB WITH CENTERED OPENING

STRUCTURE DEPTH	SLAB THICKNESS	REINFORCING (2 WAY) SCHEDULE
0' - 5'	9"	B
5' - 10'	9"	C
10' - 15'	9"	D
15' - 20'	11 1/2"	B
20' - 25'	11 1/2"	C
25' - 30'	11 1/2"	D
30' - 35'	11 1/2"	E
35' - 40'	11 1/2"	G

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	DITCH BOTTOM INLET TYPE C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	14 of 14

TOWNES architects, P.A.
 ARCHITECTS PLANNERS
 2421 North 12th Avenue Pensacola, FL 32503
 PH: (850) 433-0203 FAX: (850) 433-2177
 AA-26001051

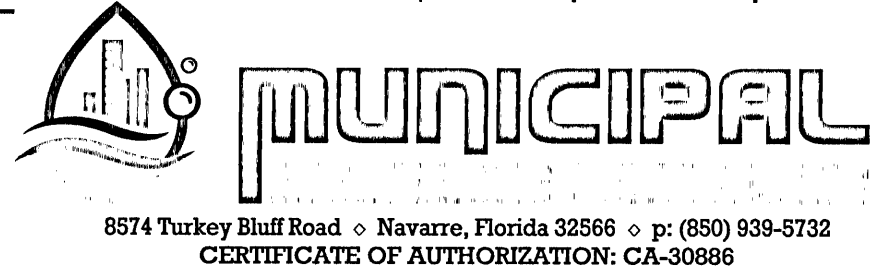
CIVIL DETAILS

BEULAH FIRE STATION
 6400 WEST 9-MILE ROAD
 PENSACOLA, FLORIDA 32526

Revision Schedule	
FDOT COMMENTS	12-17 2021

Date: 11/11/21
 Eric Long
 No. 653393
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 P.E. #55393

100% CONSTRUCTION DOCS
 Scale: AS NOTED
 Date: JULY 28, 2021
 Job No. 140006-005
 Drawn: EMD
 Checked: DEL
C808
 SHEET # 24 OF 26



8674 Turkey Bluff Road • Navarre, Florida 32566 • P: (850) 838-5732
 CERTIFICATE OF AUTHORIZATION: CA-30886

- GENERAL NOTES:**
1. Unless otherwise designated in the plans, concrete pipe mitered end sections may be used with any type of side drain pipe; corrugated steel pipe mitered end sections may be used with any type of side drain pipe except aluminum pipe; and, corrugated aluminum mitered end sections may be used with any type of side drain pipe except steel pipe. When bituminous coated metal pipe is specified for side drain pipe, construct the mitered end sections with like pipe or concrete pipe. When the mitered end section pipe is dissimilar to the side drain pipe, construct a concrete jacket in accordance with Index 430-001.
 2. Use either corrugated metal or concrete mitered end sections for corrugated polyethylene pipe (HDPE), polyvinyl-chloride pipe (PVC), steel reinforced polyethylene pipe (SRPE), and polypropylene pipe (PP). When used in conjunction with corrugated mitered end sections, make connection using either a formed metal band specifically designated to join HDPE, PVC, SRPE, or PVC pipe. When used in conjunction with a concrete mitered end sections, construct concrete jacket in accordance with Index 430-001.
 3. Use class NS concrete cast-in-place reinforced slabs for all cross drain pipes.
 4. Select lengths of concrete pipe that avoid excessive connections in the assembly of the mitered end section.
 5. Repair corrugated metal pipe galvanizing that is damaged during beveling and perforating.
 6. When existing multiple side drain pipes are spaced other than the dimensions shown in this Index, have nonparallel axes, or non-uniform sections, either construct the mitered end sections separately as single pipe or collectively as multiple pipe end sections as directed by the Engineer.
 7. Saddle Slope:
 - 1:4 Miter - Slope to $\frac{1}{4}$ of pipe for round pipes less than or equal to 18" diameter and 1:1 for round pipes greater than or equal to 24" diameter.
 - Slope to the major axis for elliptical pipes 24"x36" or smaller and 1:2 for pipes 28"x45" or larger.
 - Slope to the span line for pipe arch 28"x20" or smaller and 1:2 for pipe arch 35"x24" or larger.
 - 1:2 Miter - Slope to $\frac{1}{2}$ of pipe for round pipes less than or equal to 18" diameter and 1:2 for round pipes greater than or equal to 24" diameter.
 - Slope to the major axis for elliptical pipes 28"x45" or smaller and 1:1 for pipes 34"x53" or larger.
 - Slope 1:1 for all pipe arch sizes.
 8. Quantities shown are for estimating purposes only.

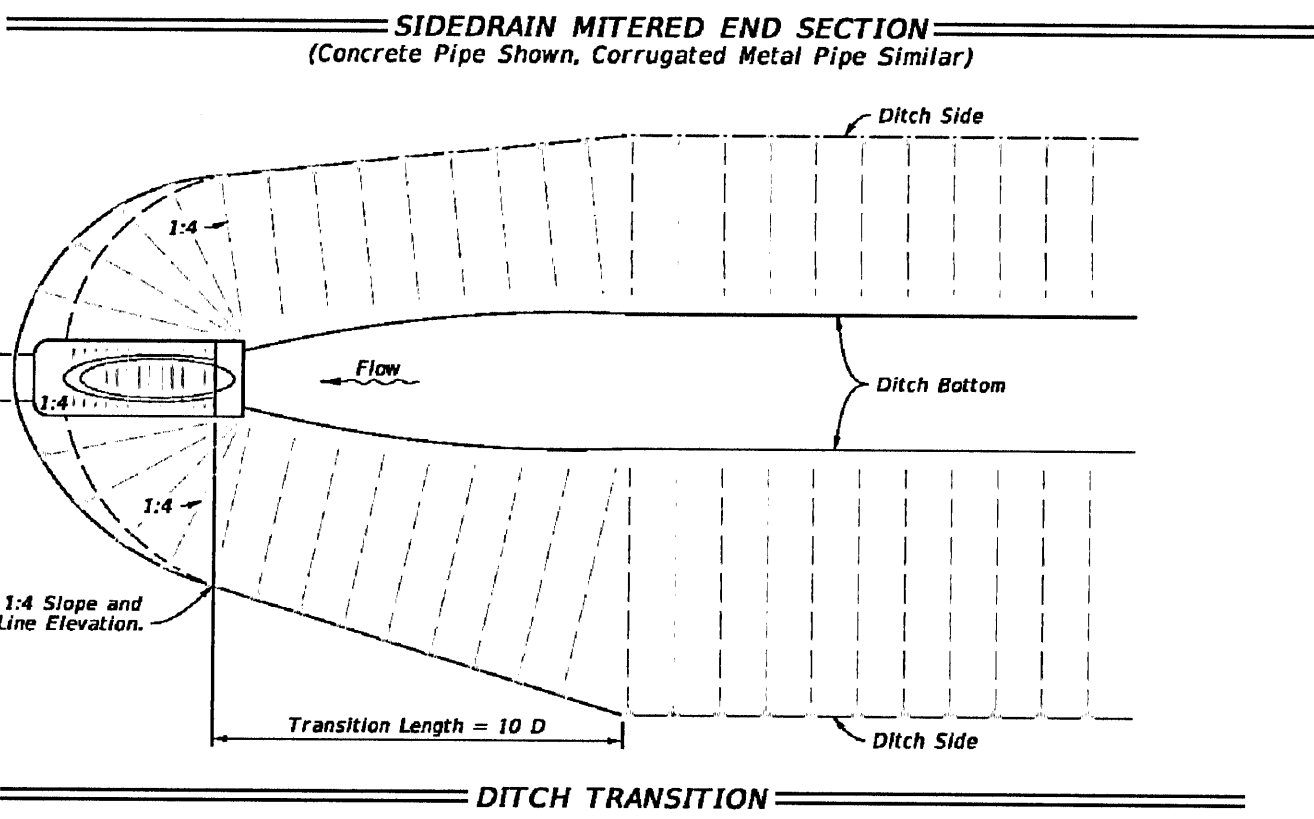
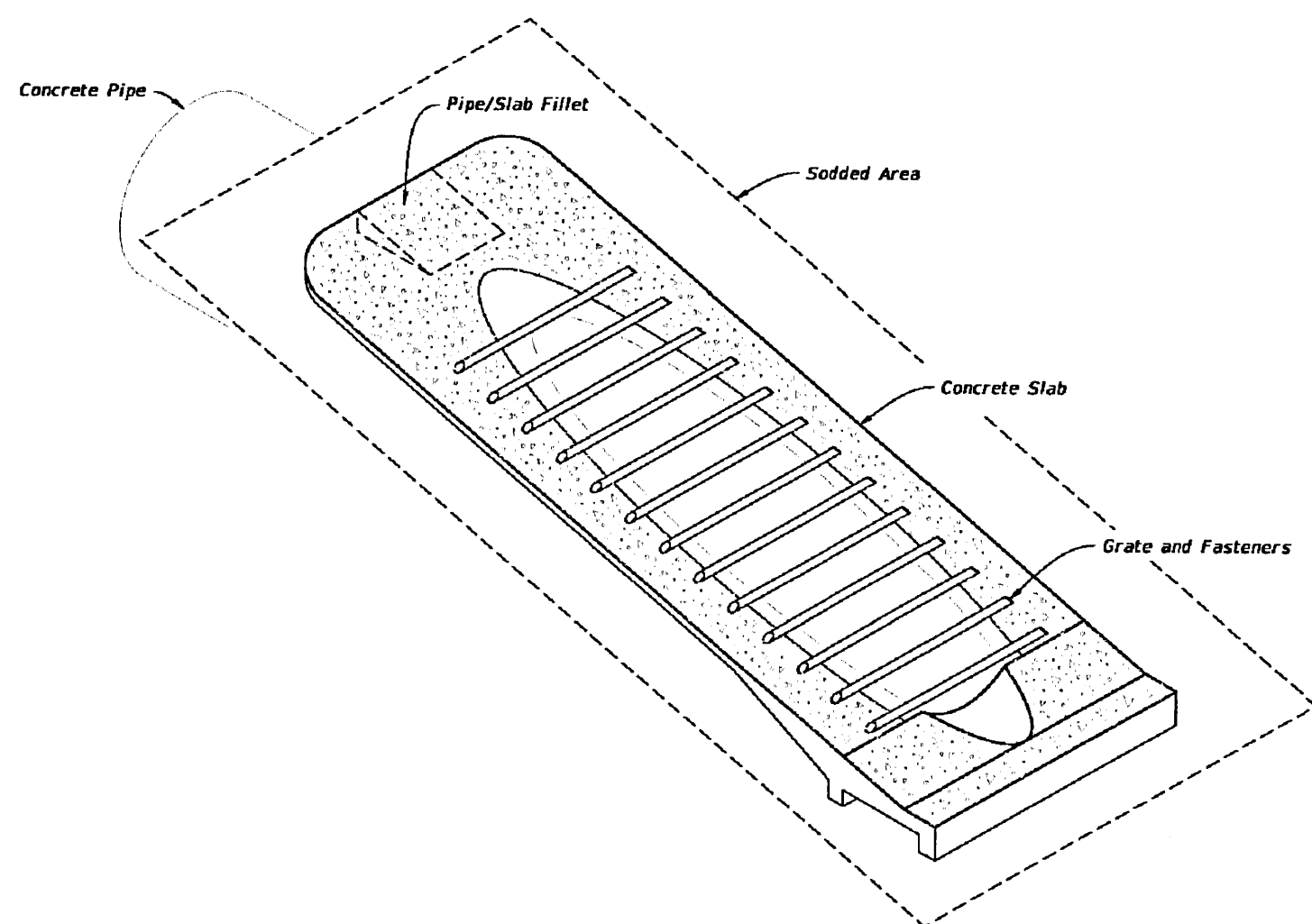
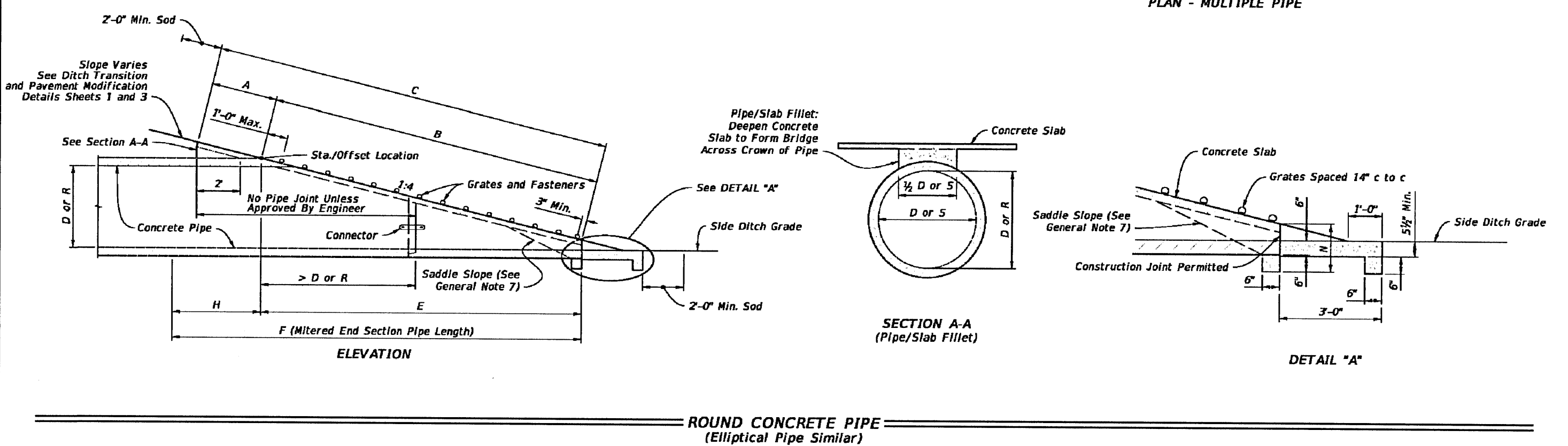
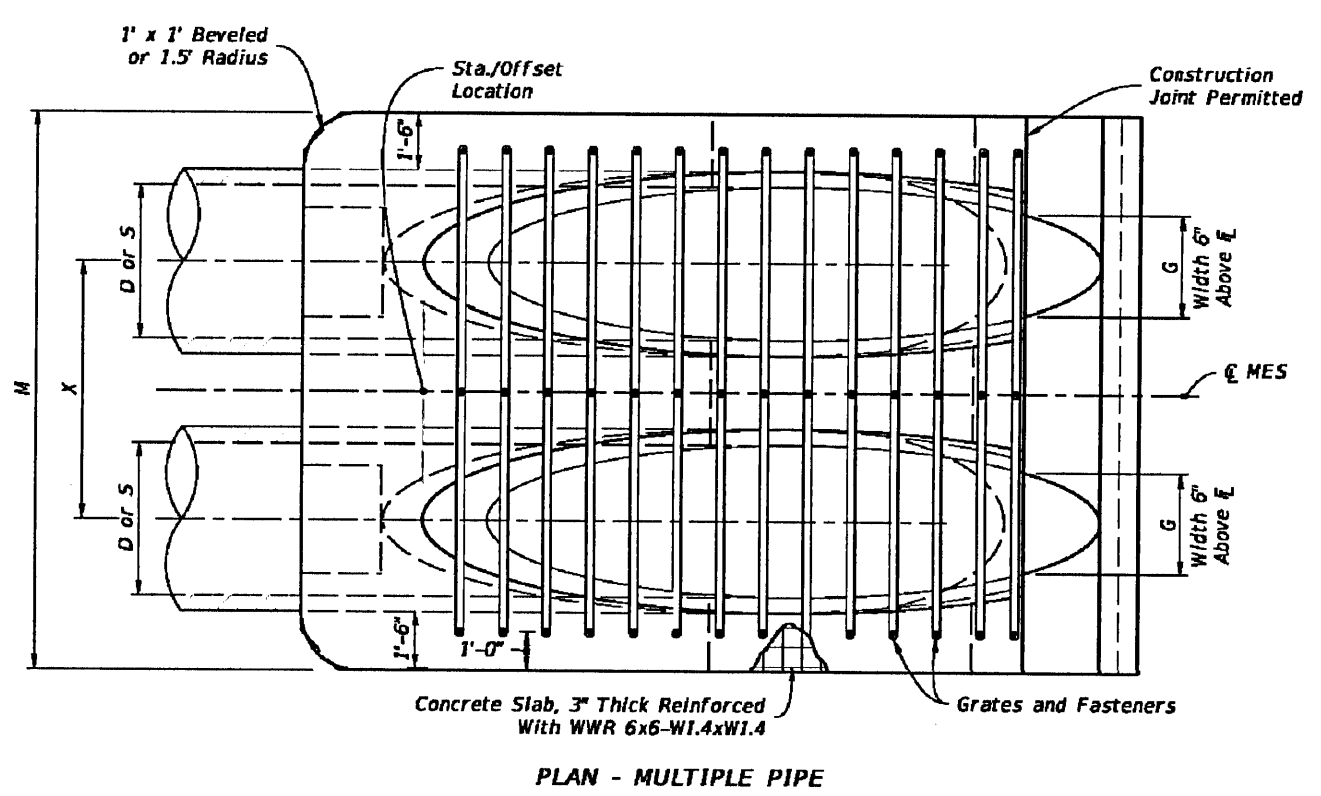
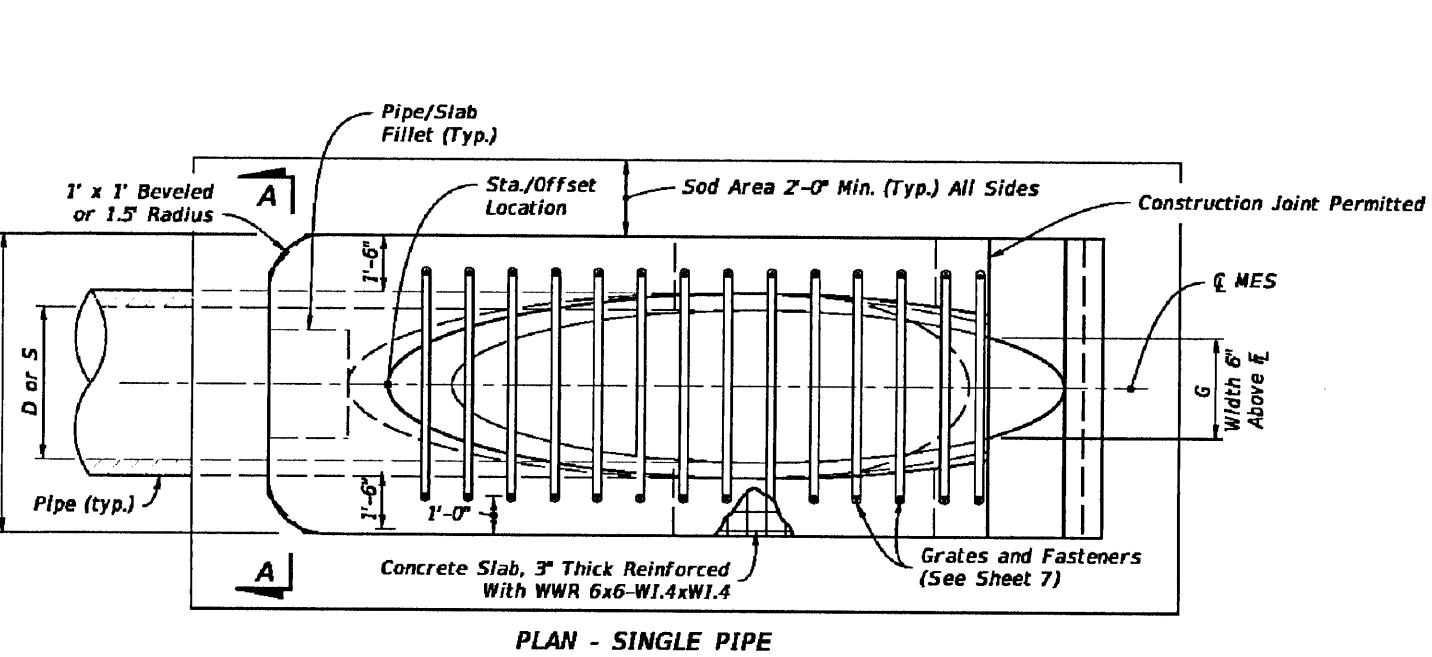


TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Single and Multiple Concrete Pipe
3	Concrete Pipe Dimensions and Quantities and Permissible Pavement Modifications
4	Single and Multiple Corrugated Metal Pipe
5	Corrugated Metal Dimensions and Quantities
6	Concrete Pipe Connection and Corrugated Metal Pipe Anchor Details
7	Fastener Unit and Grate Details

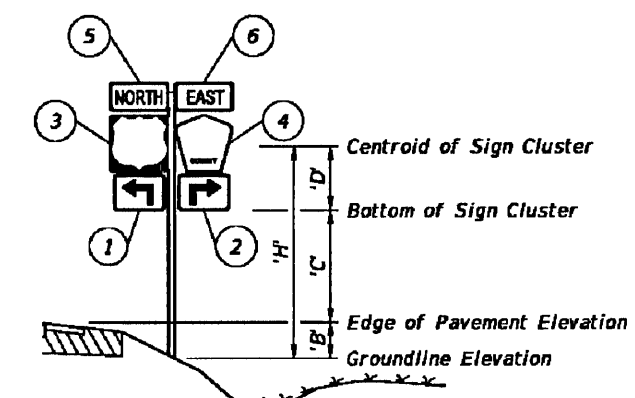
LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23	INDEX	SHEET
11/01/19			STANDARD PLANS	430-022	1 of 7



LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23	INDEX	SHEET
11/01/18			STANDARD PLANS	430-022	2 of 7

SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES																											
Pipe	Dia.	Rise	Span	GRADE SIZES								STANDARD				EXTRA				3" CONC. SLAB (CY)				SODDING (SY)			
				X	A	B	C	E	F	G	H	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	WEIGHT PIPE	STRONG PIPE	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe		
Round Concrete	15"	2'-2"	2'-2"	2.27	4.09	6.36	4.03	8	1.22	4.0	4.43	9.19	12.39	13.42	13.1				0.76	1.16	1.54	1.94	8	10	11	12	
	18"	2'-10"	2'-10"	2.36	5.12	7.48	5.03	9	1.41	4.0	4.92	9.79	10.58	13.42	13.1				0.85	1.28	1.71	2.11	9	12	13	15	
	24"	3'-5"	3'-5"	2.52	7.18	9.71	7.03	11	1.72	4.0	5.50	8.92	12.33	15.79	13.1				1.02	1.58	2.15	2.75	10	12	13	15	
	30"	4'-3"	4'-3"	2.70	9.29	11.93	9.03	13	2.00	4.0	6.08	10.33	14.58	18.83	13.1				1.23	1.98	2.74	3.50	12	13	17	17	
	36"	5'-1"	5'-1"	2.87	11.37	14.18	11.03	15	2.24	4.0	6.67	11.78	16.83	21.92	13.1				1.40	2.38	3.33	4.24	13	14	17	17	
	42"	6'-0"	6'-0"	3.05	13.91	16.42	13.03	17	2.43	4.0	7.25	13.23	19.25	25.23	13.1				1.60	2.83	4.04	5.26	14	15	17	17	
	48"	6'-9"	6'-9"	3.22	15.43	18.65	15.03	19	2.65	4.0	7.83	14.58	21.33	28.08	13.1				1.81	3.26	4.70	6.14	15	16	17	17	
	54"	7'-8"	7'-8"	3.39	17.49	20.88	17.03	21	2.83	4.0	8.42	16.08	23.73	31.42	13.1				2.03	3.78	5.54	7.28	17	18	20	21	
	60"	8'-6"	8'-6"	3.50	19.53	23.11	18.03	23	3.00	4.0	9.00	17.58	26.08	34.50	13.1				2.28	4.36	6.43	8.50	18	20	22	23	
	66"	9'-6"	9'-6"	3.67	21.67	25.25	19.03	25	3.17	4.0	9.82	19.08	28.08	37.50	13.1				2.53	4.90	7.00	9.14	19	22	24	25	
Elliptical Concrete	12"	1'-0"	2'-0"	2.36	5.00	5.48	3.03	3	1.00	3.0	3.00	6.00	6.42	7.00	6.0	2W			0.76	1.19	1.63	2.05	9	10	11	12	
	14"	2'-4"	2'-4"	2.44	3.79	6.19	3.07	6	1.90	2.3	5.38	8.71	12.04	15.33	12.3				0.95	1.52	2.09	2.65	10	12	13	15	
	16"	3'-0"	3'-0"	2.52	5.42	8.00	3.10	8	2.37	4.0	6.08	10.46	18.00	14.3		2W			1.02	1.71	2.35	3.00	11	13	14	16	
	24"	3'-5"	2'-9"	2.79	7.18	9.59	7.03	10	1.20	3.0	6.79	10.99	16.29	21.19	13.1				1.23	1.98	2.74	3.50	12	13	14	16	
	26"	4'-5"	2'-11"	3.05	8.90	11.93	8.07	12	1.39	3.3	7.92	13.42	19.33	25.23	13.1		2W		1.40	2.38	3.33	4.24	13	14	15	17	
	30"	5'-0"	3'-7"	3.22	10.62	13.65	8.07	14	1.57	3.3	8.50	14.58	21.33	28.08	13.1		3W		1.60	2.83	4.04	5.26	14	15	16	18	
	36"	6'-0"	4'-11"	3.39	13.99	18.38	11.70	15	1.95	3.3	7.92	16.75	24.58	32.42	14.6		3W		1.81	3.26	4.70	6.14	15	16	17	19	
	42"	7'-0"	5'-0"	3.56	15.71	21.22	12.76	17	2.28	3.6	8.67	18.58	27.50	36.42	15.0		3W		2.03	3.78	5.54	7.28	17	18	19	21	
	48"	8'-0"	5'-6"	3.73	17.41	23.66	14.00	19	2.57	3.6	9.17	20.43	30.43	40.50	15.0		3W		2.28	4.36	6.43	8.50	18	20	21	23	
	54"	9'-0"	6'-1"	3.91	17.10	26.10	16.70	20	2.77	3.3	11.08	21.75	32.42	43.08	15.0		3W	HSS 5" x 6"	2.51	4.09	5.88	7.65	17	21	26	30	
58"	9'-11"	6'-8"	4.08	18.22	23.93	18.60	21	2.93	3.6	11.83	23.07	35.17	46.83	15.0		3W	HSS 5" x 6"	2.81	4.59	6.64	8.73	19	23	28	32		
				06.42				06.20										HSS 5" x 6"	2.91	5.27	8.64	11.50	19	24	29	35	
				016.40				016.25																			

STEP 1: Calculate the area and the centroid for an individual sign or a sign cluster. Note that the centroid and areas have been calculated for frequently used sign clusters. These are shown on Sheets 7, 8, and 9.



Size (in. x in.)	Local A_n (in.)	Global A_n (in.)	X_n (in.)	Y_n (in.)	$X_n \times A_n$ (in. ²)	$Y_n \times A_n$ (in. ²)
21 x 15	7.5	-10.5-1.5-1.5 = -13.5	7.5	315	-4,252.5	2,362.5
21 x 15	7.5	10.5+1.5+1.5 = 13.5	7.5	315	+4,252.5	2,362.5
24 x 24	12	-12-1.5 = -13.5	15+1+12 = 28	576	-7,776	16,128
24 x 24	12	12+1.5 = 13.5	15+1+12 = 28	436	5,886	12,208
24 x 12	6	-12-1.5 = -13.5	15+1+24+1+6 = 47	288	-3,888	13,536
24 x 12	6	12+1.5 = 13.5	15+1+24+1+6 = 47	288	3,888	13,536
TOTALS	2,218	-1,890	60,133			

$$\Sigma(A_n) = 2,218 \text{ in}^2 = 15.4 \text{ ft}^2$$

$$\Sigma(X_n \times A_n) = -1,890 \text{ in}^2 = -1.09 \text{ ft}^2$$

$$\Sigma(Y_n \times A_n) = 60,133 \text{ in}^2 = 34.9 \text{ ft}^2$$

$$X_c = \frac{\Sigma(X_n \times A_n)}{\Sigma(A_n)} = -0.1 \text{ ft}$$

$$Y_c = \frac{\Sigma(Y_n \times A_n)}{\Sigma(A_n)} = 2.26 \text{ ft}$$

STEP 2: Determine the height 'H' from groundline to the centroid of the individual sign or sign cluster.

Assume: 'B' = 1 ft., 'C' = 7 ft.
Calculated: $X_c = -0.1 \text{ ft.}$, $Y_c = 17' 2.26 \text{ ft.}$

$$H = B + C + Y_c = 10.26 \text{ ft.} \Rightarrow \text{USE } 11 \text{ ft.}$$

$$\Sigma(A_n) = 15.4 \text{ ft}^2 \Rightarrow \text{USE } 16 \text{ ft}^2$$

STEP 3: Refer to the Aluminum Column (Post) Selection Tables and find the intersection point. See Sheet 3.

ALUMINUM COLUMN (POST) SELECTION TABLE

Column (Post) Size (in.)	Area (ft ²)	Weight (lb)	Height (ft)	Wind Load (lb/ft ²)	Design Wind Speed (mph)	Design Snow Load (lb/ft ²)	Design Ice Load (lb/ft ²)	Design Seismic Load (lb/ft ²)
3x3	2.25	25	25	3	3	3	3	3
4x4	2.56	32	32	4	4	4	4	4
5x5	3.13	40	40	5	5	5	5	5
6x6	3.75	50	50	6	6	6	6	6
8x8	5.00	68	68	8	8	8	8	8
10x10	7.50	100	100	10	10	10	10	10
12x12	11.00	144	144	12	12	12	12	12
14x14	15.50	196	196	14	14	14	14	14
16x16	21.00	256	256	16	16	16	16	16
18x18	27.00	324	324	18	18	18	18	18
20x20	34.00	400	400	20	20	20	20	20
22x22	42.00	484	484	22	22	22	22	22
24x24	51.00	576	576	24	24	24	24	24
26x26	61.00	676	676	26	26	26	26	26
28x28	72.00	784	784	28	28	28	28	28
30x30	84.00	900	900	30	30	30	30	30

For 'H' = 11 ft., Area = 16 ft.²

Refer to the Aluminum Column (Post) Selection Table, from Sheet 3 and shown here for reference.

To determine the required post size, find the intersection of the row labeled "16 ft.²" and the column labeled "11 ft.". For the example the intersection value is "4" (4" dia.).

In the Column (Post) and Foundation Table, the value "4" shows the design requires a 4" diameter and 1/2" thick Aluminum Column (Post) and a 2'0" diameter and 3'5" deep Concrete Foundation and 3'0" Sub.

STEP 4: For sign assemblies with signs oriented in two directions, only the sign with the largest area should be analyzed to determine the Column (Post) requirements.

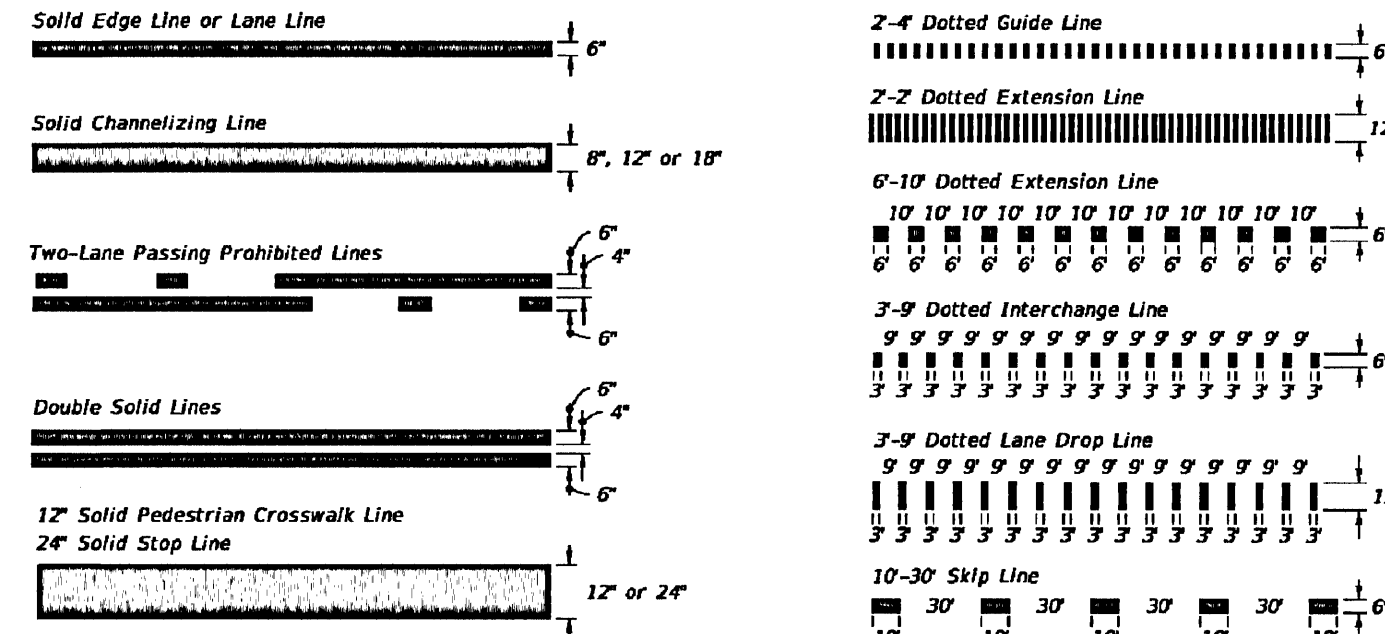
GUIDE TO USE THIS INDEX

GENERAL NOTES:

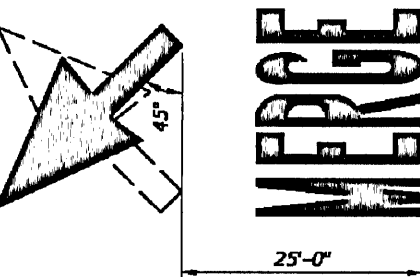
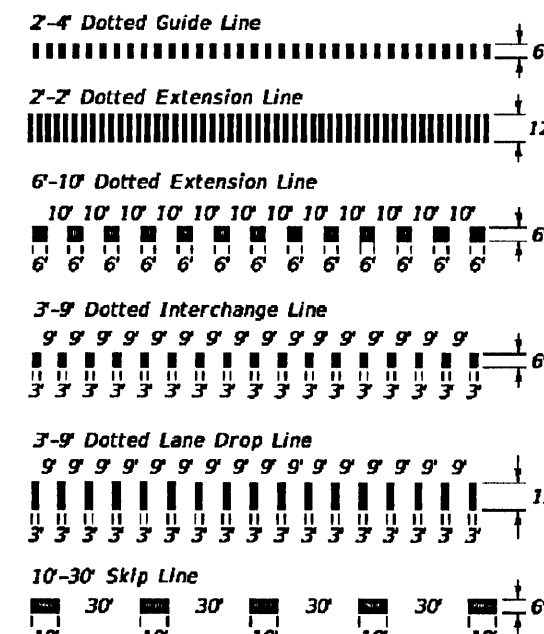
- Shop Drawings: This Index is considered fully detailed. Submit Shop Drawings only for minor modifications not detailed in the Plans.
- Aluminum Sign, Wind Beams and Column (Post) Materials:
 - Aluminum Plates: ASTM B209, Alloy 6061-T6
 - Aluminum Bars and Extruded Shapes: ASTM B221, Alloy 6061-T6
 - Aluminum Structural Shapes: ASTM B221 Alloy 6061-T6
 - Cast Aluminum: ASTM B26 Alloy A356-16
 - Aluminum Weld Material: ER 5556 or 5356
- Galvanized Steel Slip Base Stub Materials:
 - Steel Plate and Structural Shapes: ASTM A36 or ASTM A709, Grade 36
 - Steel Weld Metal: E70XX
- Sign Mounting Bolts, Nuts and Washers:
 - Aluminum Button Head and Flat Head Bolts: ASTM F468 Alloy 2024-T4
 - Aluminum Hex Nuts: ASTM F467 Alloy 6061-T6 or 6262-T9
 - Aluminum Washers: ASTM B221, Alloy 7075-T6
- Stainless Steel Bolts, Nuts and Washers may be used in lieu of the Aluminum button head and flat head bolts as follows:
 - Stainless Steel Bolts: ASTM F193 Alloy Group 2, Condition A, CW1 or SH1
 - Stainless Steel Nuts: ASTM F594
- Sign Column (Post) Bolts, Nuts and Washers:
 - Galvanized (I-Bolt) Column: ASTM A449 or ASTM A193 B7 according to ASTM F2329 with double nuts (nut and lock washer optional).
 - Aluminum Bolts (Sleeves): ASTM F468, Alloy 6061-T6 or 2024-T4 with Hex Nuts F467 6061-T6 or 6262-T9 and Washers B221, A1 clad 2024-T4
 - Galvanized High Strength Hex Head Bolts (BaseBolts): ASTM F3125, Grade 4325, Type 1
 - Galvanized Hex Nuts: ASTM A563 Grade D
 - Galvanized Washers: ASTM F436
 - Galvanized Bolts (Sleeves): ASTM A307 with Galvanized Hex Nuts and Washers
- Coatings:
 - Aluminum Fasteners: Anodic coating (0.0002 inches min.) and chromate sealed
 - High Strength Steel Bolts Nuts and Washers: ASTM F2329
 - All other steel items (excluding stainless steel): Hot-dip Galvanize-ASTM A123
- BREAKAWAY SUPPORTS REQUIREMENTS: Install non-frangible aluminum column (post) (larger than 36" with breakaway supports as shown on Sheet 4. Signs shielded by barrier wall or guardrail do not require breakaway support.

GENERAL NOTES AND DESIGN EXAMPLE

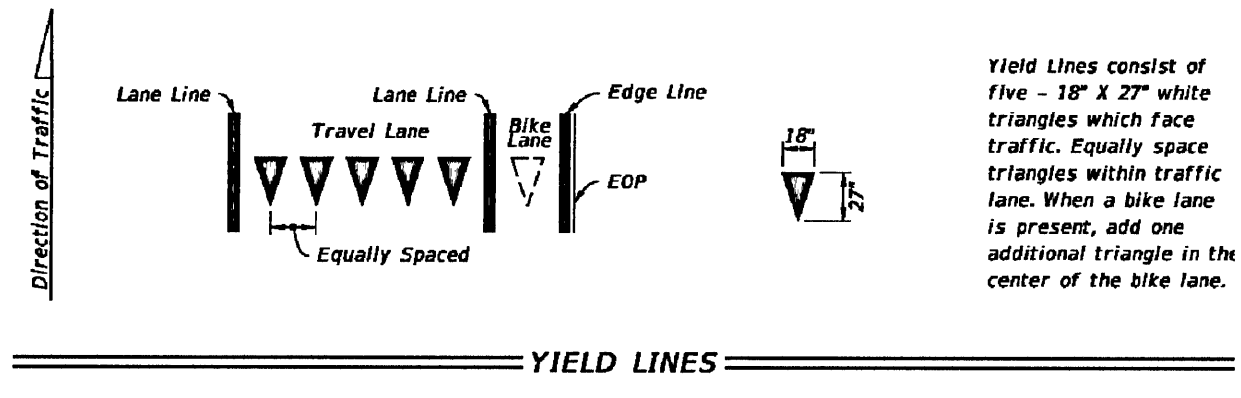
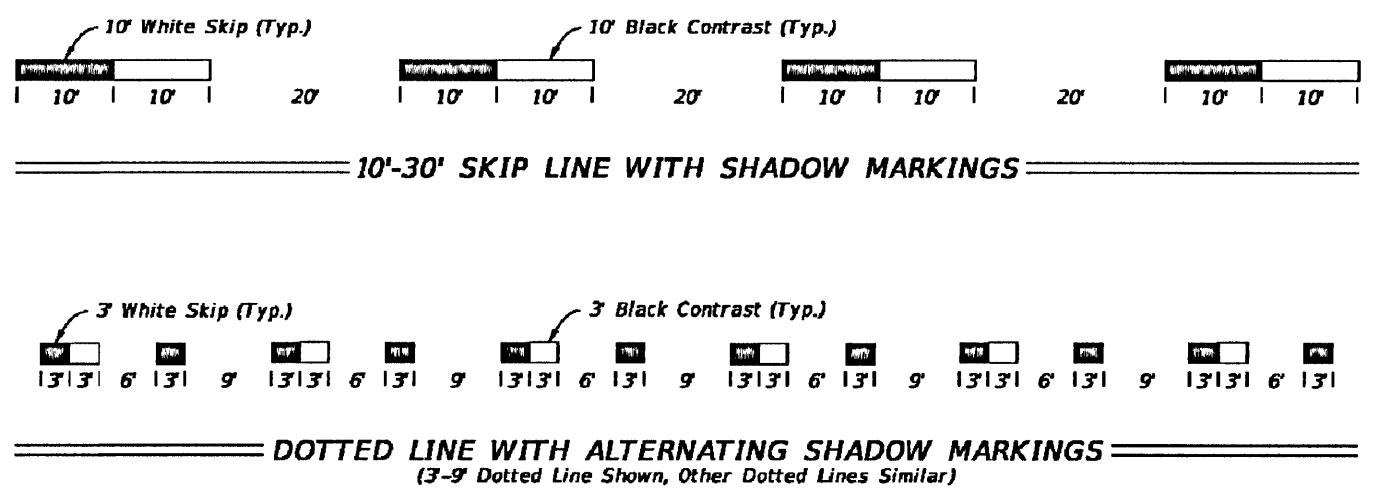
INDEX	SHEET
700-010	1 of 10



PAVEMENT MARKING LINES



MARKINGS FOR MERGE



Yield Lines consist of five - 18" x 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

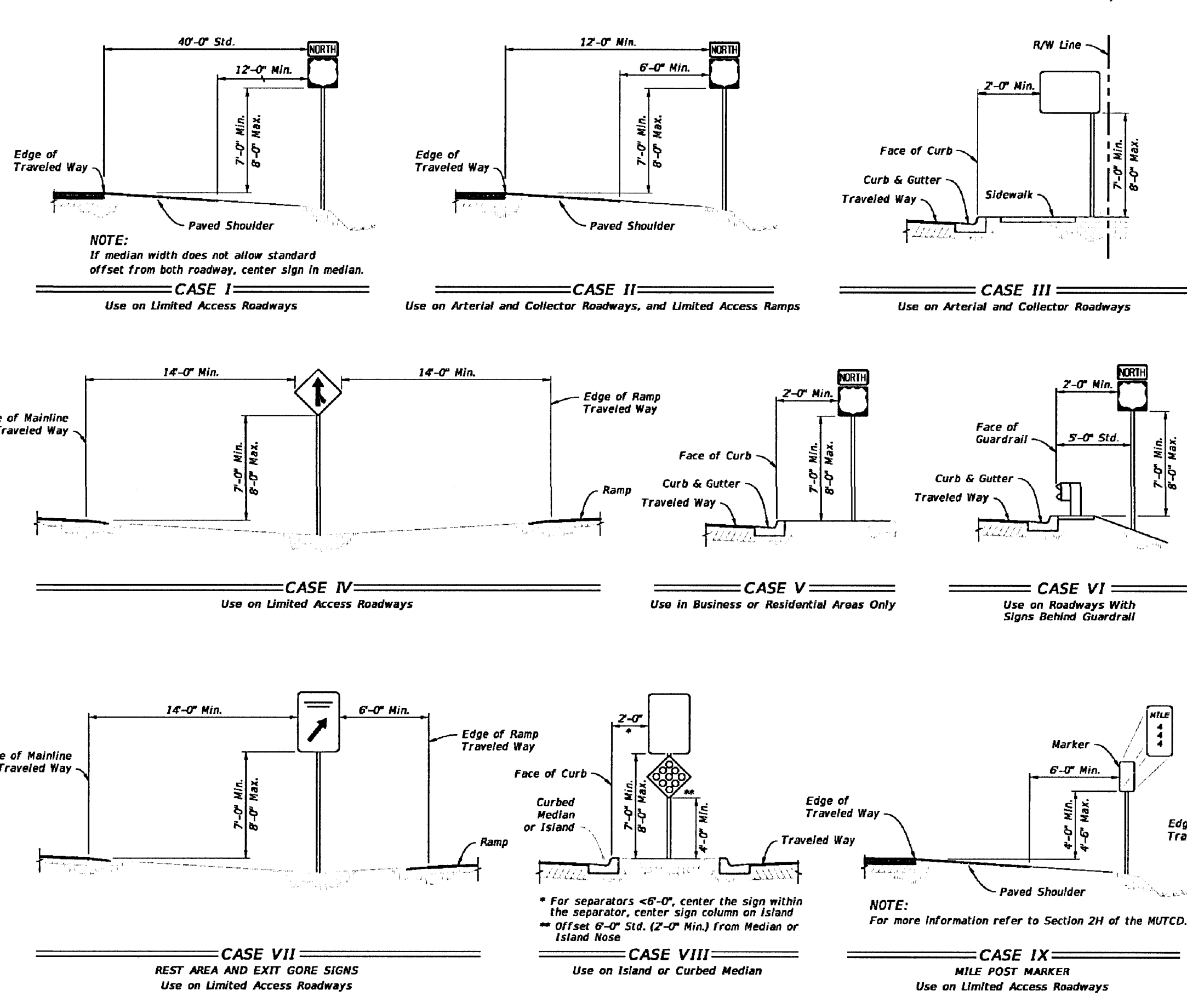
LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
11/01/21					711-001	2 of 13

Size	Area	Total Area	Centroid
36x12	3.00 SF	6.31 SF	1.75 Ft.
24x24	3.31 SF	8.18 SF	1.92 Ft.
36x12	3.00 SF	10.46 SF	2.10 Ft.
36x36	7.46 SF	12.46 SF	2.55 Ft.
36x12	3.00 SF	16.25 SF	2.48 Ft.
48x48	13.25 SF	21.46 SF	2.87 Ft.
24x24	3.31 SF	24.77 SF	2.87 Ft.
24x18	3.00 SF	27.77 SF	2.87 Ft.
30x30	5.18 SF	32.95 SF	3.15 Ft.
30x24	5.00 SF	37.95 SF	3.15 Ft.
36x36	7.46 SF	45.41 SF	3.15 Ft.
30x24	5.00 SF	50.41 SF	3.15 Ft.

Size	Area	Total Area	Centroid
36x12	3.00 SF	13.18 SF	2.87 Ft.
30x30	5.18 SF	18.36 SF	3.15 Ft.
30x24	5.00 SF	23.36 SF	3.15 Ft.
36x12	3.00 SF	26.36 SF	3.15 Ft.
36x36	7.46 SF	33.82 SF	3.15 Ft.
30x24	5.00 SF	38.82 SF	3.15 Ft.
21x15	2.19 SF	40.99 SF	3.15 Ft.
24x24	4.00 SF	44.99 SF	3.15 Ft.
21x15	2.19 SF	47.18 SF	3.15 Ft.
30x24	5.00 SF	52.18 SF	3.15 Ft.
24x12	2.00 SF	54.18 SF	3.15 Ft.
24x24	4.00 SF	58.18 SF	3.15 Ft.
24x12	2.00 SF	60.18 SF	3.15 Ft.
24x24	4.00 SF	64.18 SF	3.15 Ft.
24x12	2.00 SF	66.18 SF	3.15 Ft.
30x24	5.00 SF	71.18 SF	3.15 Ft.
30x15	3.13 SF	74.31 SF	3.15 Ft.
30x24	5.00 SF	79.31 SF	3.15 Ft.

Size	Area	Total Area	Centroid
24x24	4.00 SF	6.19 SF	1.73 Ft.
21x15	2.19 SF	8.38 SF	1.81 Ft.
30x24	5.00 SF	10.38 SF	2.27 Ft.
24x12	2.00 SF	12.38 SF	2.27 Ft.
21x15	2.19 SF	14.57 SF	2.27 Ft.
30x15	3.13 SF	17.70 SF	2.27 Ft.
30x24	5.00 SF	22.70 SF	2.27 Ft.
21x15	2.19 SF	24.89 SF	2.27 Ft.
24x12	2.00 SF	26.89 SF	2.27 Ft.
24x24	4.00 SF	30.89 SF	2.27 Ft.
21x15	2.19 SF	33.08 SF	2.27 Ft.

INDEX	SHEET
700-010	8 of 10



GENERAL NOTES:

- Single-Column Signs Shown, Multi-Column Signs similar. These typical sections serve as a guide for locating the traffic signs required under various roadside conditions. For size and details of sign construction and footing, refer to the appropriate Index and Plans.
- Verify the length of sign supports in the field prior to fabrication.
- Install ground signs at an angle of 1 to 4 degrees away from the traffic flow (see illustration). Install shoulder mounted signs rotated counterclockwise and median mounted signs rotated clockwise. Install signs on a curve as noted above from the perpendicular to the motorist line of sight.
- The setback for Stop and Yield signs may be reduced to 3' minimum from the Edge of Traveled Way if required for visibility in business or residential sections with no curb and speeds of 30 MPH or less.
- The mounting heights are measured from the bottom of the sign panel to a horizontal line extended from the Edge of Traveled Way or from the ground surface at the back of curb. If the standard heights cannot be met, the minimum heights are as follows:
 - Limited Access Roadways - 7'
 - Arterial and Collector Roadways:
 - 5' - Rural
 - 7' - Urban (including residential with parking and/or pedestrian activity)
 - Limited Access Roadways:
 - If a second sign is mounted below the major sign, mount the major sign so that the bottom of the sign is at least 8' above the edge of the traveled way and the secondary sign at least 5' above the edge of the traveled way.
 - Arterial and Collector Roadways:
 - Rural, mount the secondary sign at least 5' above the edge of the traveled way.
 - Urban, mount the secondary sign at least 7' above the edge of the traveled way.
- Do not install sign supports in the bottom of ditches.
- Install sign supports so they do not reduce the accessible width of sidewalks or shared use paths to less than 4' min. clear width.
- CASE X sign placement is for Interstate Exit Ramps only. Use CASE I through Case VIII as appropriate for all other Wrong Way signs.

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	TYPICAL SECTIONS FOR PLACEMENT OF SINGLE AND MULTI-COLUMN SIGNS	INDEX	SHEET
11/01/21					700-101	1 of 1

TOWNES architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 FAX: (850) 433-2177
AA-28001051

CIVIL DETAILS

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule	
FDOT COMMENTS	12-17 2021

Dale E. Long, P.E.
DALE E. LONG
No. 55393
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. 14333

100% CONSTRUCTION DOCS
Scale: AS NOTED
Date: JULY 28, 2021
Job No. 140006-005
Drawn: EMD
Checked: DEL
C810
SHEET # 26 OF 26

MUNICIPAL
8574 Turkey Bluff Road • Navarre, Florida 32566 • P: (850) 938-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

06-1S-31-3305-000-000
GFC CREDIT CORP
: 6400 BLK W. NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: VACANT

LANDSCAPE CALCULATIONS:

MITIGATION TREES = SEE TABLES THIS SHEET, 106 INCHES REQUIRED. 106" / 2.5" CAL = 42 TREES PROVIDED

RIGHT OF WAY STRIP LANDSCAPE LANDSCAPE REQUIREMENTS
NOT REQUIRED

VUA/INTERIOR PARKING LOT AREA LANDSCAPE REQUIREMENTS:

~~1 CANOPY TREE PER 15 PARKING SPACES~~
24 AUTO AND ACCESSIBLE SPACES PARKING SPACES

~~24 PARKING SPACES / 15 1-60 OR 3 CANOPY TREES REQUIRED~~
3 CANOPY TREE PROVIDED.

ZONING DIFFERENTIAL BUFFER LANDSCAPE REQUIREMENTS.

TYPE A BUFFER REQUIRED
2 CANOPY TREE PER 100 L.F.
1 UNDERSTORY TREE PER 100 L.F.
10 SHRUBS PER 100 L.F.

NOTE: ALL PLANTED AND SODDED AREAS SHALL BE IRRIGATED. CONTRACTOR SHALL SUBMIT AN IRRIGATION SHOP DRAWING TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

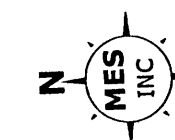
THE OWNER IS RESPONSIBLE FOR LANDSCAPE MAINTENANCE AFTER FINAL ACCEPTANCE FROM LANDSCAPE CONTRACTOR

TRIAL NO.	CURRANT NAME	QUANTITIES AT BREAST HEIGHT (GBH)	TO BE REMOVED	CAUSES OF BE KILLAGE
1	CAK	24	NO	0
2	CAK	58	YES	48
3	CAK	24	NO	0
4	CAK	58	YES	48
5	CAK	24	NO	0
6	CAK	58	YES	48
7	CAK	15	YES	15
8	CAK	24	NO	0
9	CAK	24	NO	0
10	CAK	24	NO	0
11	CAK	48	YES	48
12	CAK	24	NO	0
13	CAK	48	YES	48
14	CAK	24	NO	0
15	CAK	48	YES	48
16	CAK	15	YES	15
17	CAK	15	YES	15
18	CAK	15	YES	15
19	CAK	30	YES	30
20	CAK	30	YES	17
21	CAK	14	NO	0
22	CAK	14	NO	0
23	CAK	30	YES	30
24	CAK	30	YES	30
25	CAK	15	YES	15
26	CAK	18	YES	18
27	CAK	18	YES	18
28	CAK	15	YES	15
29	CAK	15	YES	15
30	CAK	15	NO	0
31	CAK	15	NO	0
32	CAK	15	YES	15
33	CAK	15	YES	15
34	CAK	15	YES	15
35	CAK	15	YES	15

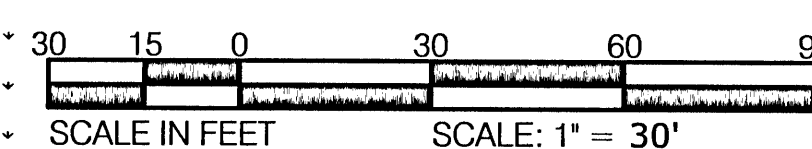
YEE NO	COMMON NAME	QUARTER AT BREATHER (DBH)	TO BE REMOVED	CHAPER IN BE REFERENCE
36	CAK	12	NO	0
37	CAK	12	NO	0
38	CAK	18	NO	0
39	CAK	12	NO	0
40	CAK	12	NO	0
41	CAK	12	NO	0
42	CAK	14	NO	0
43	CAK	12	NO	0
44	CAK	15	NO	0
45	CAK	18	NO	0
46	CAK	28	NO	0
47	CAK	23	NO	0
48	CAK	22	NO	0
49	CAK	26	NO	0
50	CAK	20	NO	0
51	CAK	18	NO	0
52	CAK	20	NO	0
53	CAK	18	NO	0
54	CAK	14	NO	0
55	CAK	28	NO	0
56	CAK	16	NO	0
57	CAK	16	NO	0
58	CAK	30	NO	0
59	PITE	15	N/A	0
60	CAK	10	N/A	0
61	PITE	15	N/A	0
62	PITE	15	N/A	0
63	PITE	15	N/A	0
64	PITE	15	N/A	0
65	CAK	10	N/A	0
66	CAK	10	N/A	0
67	UNKNOW	35	YES	35

TOTAL INCHES OF DIAMETER REMOVED = 489
 BEING REMOVED BY THIS INCREMENT DURING = 344 C

TOTAL INCHES OF DIAMETER REMOVED =	489	DBH
MINIMUM REQUIRED REPLACEMENT DIAMETER =	244.5	CALIPER INCHES
LIMITS OF CONSTRUCTION AREA =	4.25	ACRES
MAXIMUM REPLACEMENT LIMIT DIAMETER =	106	CALIPER INCHES
(25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSM 2.5-2(C))		
TOTAL REQUIRED REPLACEMENT =	106	CALIPER INCHES



GRAPHIC SCALE:

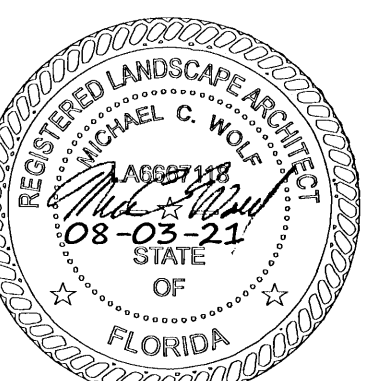


TOWNES + architects, P.A.
ARCHITECTS -- PLANNERS
2421 North 12th Avenue Pensacola, FL 32503
PH: (850) 433-0203 EMAIL: ben@townesplus.com
AA-26001051

**SITE LANDSCAPING PLAN
(NORTH END OF SITE)
(BEULAH)**

BEULAH FIRE STATION
6400 WEST 9-MILE ROAD
PENSACOLA, FLORIDA 32526

Revision Schedule

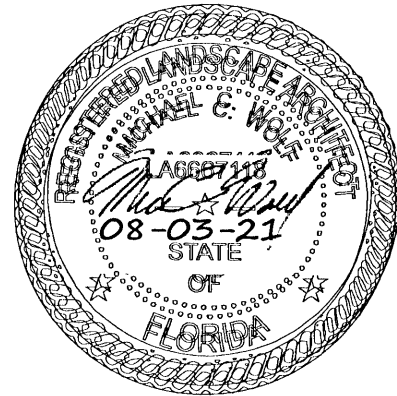


% CONSTRUCTION DOCS

ale: AS NOTED	
te: JULY 28, 2021	
o No. 006-005/6	Filename: SEE LEFT
awn: MCW	Checked: MCW

L-101
SHEET #

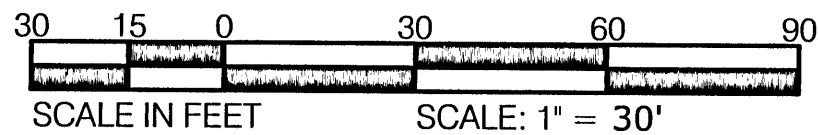
Revision Schedule	
1	11-12-21
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	



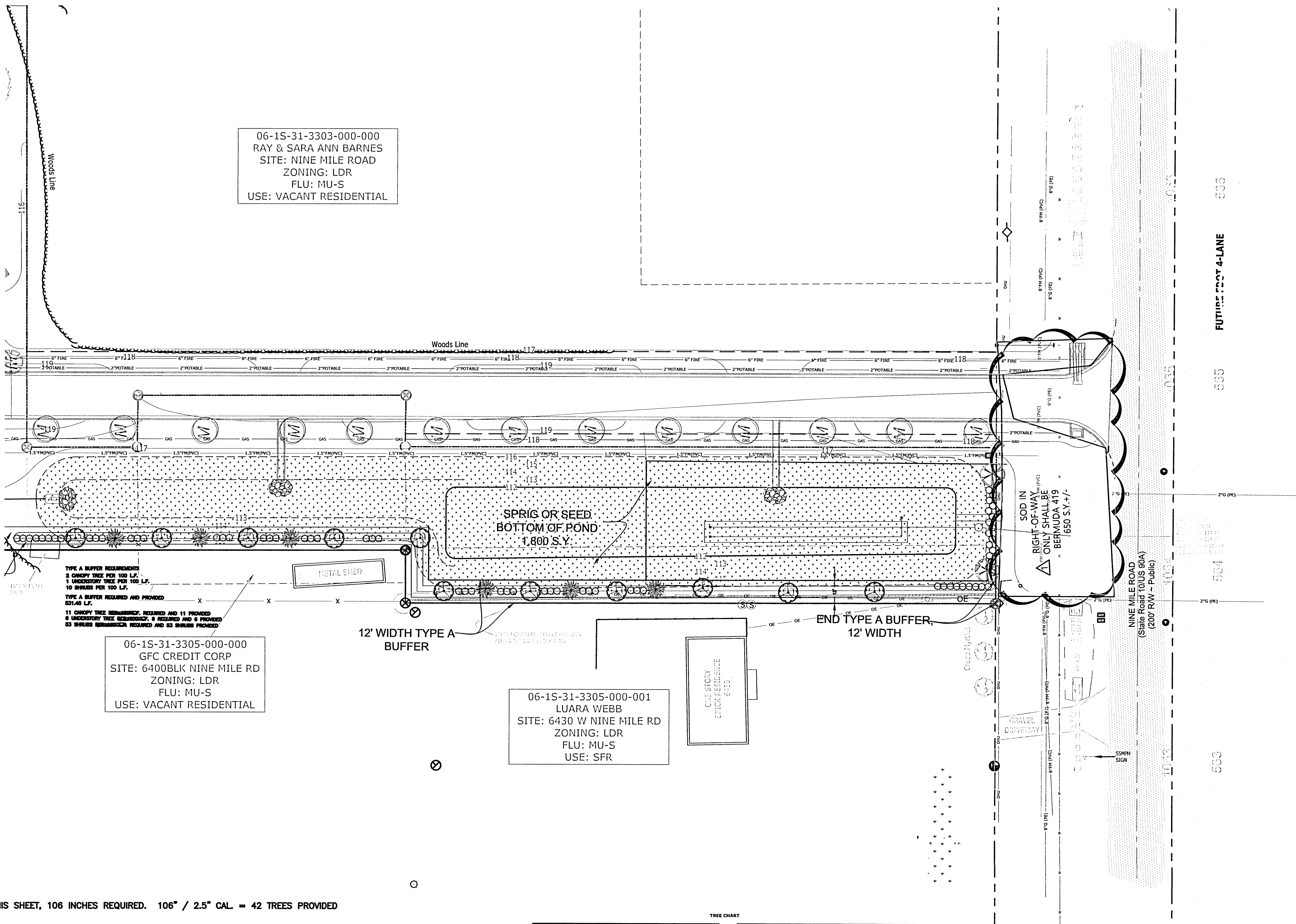
100% CONSTRUCTION DOCS	
Scale: AS NOTED	
Date: JULY 28, 2021	
Job No. 140006-00516	Filename: SEE LEFT
Drawn: MCW	Checked: MCW
L-102	
SHEET #	



GRAPHIC SCALE:



MICHAEL WOLF CONSULTANTS
LANDSCAPE ARCHITECTURE • URBAN DESIGN
4539 OAK ORCHARD CIRCLE
PACE, FL 32577
(850) 698-0056 (OFFICE)



06-1S-31-3303-000-000
RAY & SARA ANN BARNES
SITE: NINE MILE ROAD
ZONING: LDR
FLU: MU-S
USE: VACANT RESIDENTIAL

06-1S-31-3305-000-000
GFC CREDIT CORP
SITE: 6400BLK NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: VACANT RESIDENTIAL

06-1S-31-3305-000-001
LUARA WEBB
SITE: 6430 W NINE MILE RD
ZONING: LDR
FLU: MU-S
USE: SFR

LANDSCAPE CALCULATIONS:

MITIGATION TREES = SEE TABLES THIS SHEET, 106 INCHES REQUIRED. 106" / 2.5" CAL. = 42 TREES PROVIDED

RIGHT OF WAY STRIP LANDSCAPE LANDSCAPE REQUIREMENTS:
NOT REQUIRED

VUA/INTERIOR PARKING LOT AREA LANDSCAPE REQUIREMENTS:

1 CANOPY TREE PER 15 PARKING SPACES

24 AUTO AND ACCESSIBLE SPACES PARKING SPACES

24 PARKING SPACES 15 150 OR 3 CANOPY TREES REQUIRED

3 CANOPY TREE PROVIDED.

ZONING DIFFERENTIAL BUFFER LANDSCAPE REQUIREMENTS:

TYPE A BUFFER REQUIRED

2 CANOPY TREE PER 100 L.F.

1 UNDERSTORY TREE PER 100 L.F.

10 SHRUBS PER 100 L.F.

NOTE: ALL PLANTED AND SODDED AREAS SHALL BE IRRIGATED. CONTRACTOR SHALL SUBMIT AN IRRIGATION SHOP DRAWING TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

THE OWNER IS RESPONSIBLE FOR LANDSCAPE MAINTENANCE AFTER FINAL ACCEPTANCE FROM LANDSCAPE CONTRACTOR

TREE CHART				
TREE NO.	COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	TO BE REMOVED	CALIPER IN TO BE REPLACED
1	OAK	24	NO	0
2	OAK	24	YES	48
3	OAK	24	YES	48
4	OAK	24	NO	0
5	OAK	24	NO	0
6	OAK	19	NO	0
7	OAK	15	YES	15
8	OAK	26	YES	26
9	OAK	24	NO	0
10	OAK	24	YES	24
11	OAK	28	YES	48
12	OAK	13	YES	13
13	OAK	14	YES	14
14	OAK	26	YES	26
15	OAK	14	YES	14
16	OAK	18	YES	18
17	OAK	15	YES	15
18	OAK	16	YES	16
19	OAK	17	YES	17
20	OAK	30	YES	30
21	OAK	14	NO	0
22	OAK	14	NO	0
23	OAK	14	NO	0
24	OAK	30	NO	0
25	OAK	18	YES	18
26	OAK	19	YES	19
27	OAK	15	NO	0
28	OAK	15	NO	0
29	OAK	15	NO	0
30	OAK	15	NO	0
31	OAK	15	NO	0
32	OAK	15	YES	15
33	OAK	15	NO	0
34	OAK	15	NO	0
35	OAK	15	NO	0

TREE CHART				
TREE NO.	COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	TO BE REMOVED	CALIPER IN TO BE REPLACED
36	OAK	15	NO	0
37	OAK	15	NO	0
38	OAK	15	NO	0
39	OAK	15	NO	0
40	OAK	15	NO	0
41	OAK	15	NO	0
42	OAK	14	NO	0
43	OAK	20	NO	0
44	OAK	15	NO	0
45	OAK	15	NO	0
46	OAK	20	NO	0
47	OAK	20	NO	0
48	OAK	22	NO	0
49	OAK	18	NO	0
50	OAK	18	NO	0
51	OAK	18	NO	0
52	OAK	20	NO	0
53	OAK	18	NO	0
54	OAK	14	NO	0
55	OAK	48	NO	0
56	OAK	15	NO	0
57	OAK	15	NO	0
58	OAK	30	NO	0
59	PINE	15	N/A	0
60	PINE	15	N/A	0
61	PINE	15	N/A	0
62	PINE	15	N/A	0
63	PINE	15	N/A	0
64	PINE	15	N/A	0
65	OAK	18	NO	0
66	OAK	15	NO	0
67	UNKNOWN	36	YES	36

TOTAL INCHES OF DIAMETER REMOVED = 489
MINIMUM REQUIRED REPLACEMENT DIAMETER = 244.5
LIMITS OF CONSTRUCTION AREA = 4.25 ACRES
MAXIMUM REPLACEMENT LIMIT DIAMETER = 106
(25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSN 2-5.2(C))
TOTAL REQUIRED REPLACEMENT = 106 CALIPER INCHES

LANDSCAPE GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, ELECTRICAL, WIRING, WATER, SEWER, TELEPHONE, CABLE TV, ETC., PRIOR TO PLANT MATERIAL OR IRRIGATION INSTALLATION. DAMAGED UTILITY LINES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS COST TO THE OWNER.
2. THE CONTRACTOR SHALL PROVIDE AN IRRIGATION/WATERING SYSTEM TO PROVIDE WATER TO PLANTS AT AN ADEQUATE RATE.
3. THE CONTRACTOR SHALL INSTALL ONLY PLANTS GRADED FLORIDA NO. 1 OR BETTER AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE "GRADES AND STANDARDS FOR NURSERY PLANTS" LATEST EDITION, (INCLUDING REVISIONS) AND THAT MEET OR EXCEED THE SIZES INDICATED IN THE PLANTING SCHEDULE. BALLED AND BURLAPPED PLANTS SHALL BE DIED WITH FIRM NATURAL BARKS OF EARTH. CONTAINER GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ALL THE SOIL TOGETHER FIRMLY, BUT NOT LONG ENOUGH TO HAVE BECOME POT BOUND.
4. THE CONTRACTOR SHALL INSTALL SHRUBS IN CIRCULAR PITS WITH A DIAMETER 1/8" GREATER THAN ROOTBALL PLANT TREES IN CIRCULAR PITS WITH A DIAMETER 3/8" GREATER THAN ROOTBALL OR CONTAINER. PLACE PLANTS WITH MOST ATTRACTIVE SIDE DIRECTED AWAY FROM BUILDING OR ANY OTHER VERTICAL ELEMENT.
5. THE CONTRACTOR SHALL FERTILIZE ALL PLANT MATERIAL WITH SLOW RELEASE FERTILIZER AT THE RATE RECOMMENDED BY THE MANUFACTURER. TREES SHALL BE FERTILIZED WITH 20-5-10 (OR APPROVED EQUAL), AND SHRUBS AND GROUND COVER SHALL BE FERTILIZED WITH 14-7-14 (OR APPROVED EQUAL).
6. THE CONTRACTOR SHALL APPLY A MICROBIAL INOCULANT AND 100% ORGANIC STARTER FERTILIZER TO EACH NEW TREE PLANTED AND SHRUB/GROUNDCOVER BEDS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL APPLY PRE-EMERGENT AND POST-EMERGENT HERBICIDES ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ALL PLANTING BEDS.
8. THE CONTRACTOR SHALL APPLY MULCH TO PLANTED AREAS AT A MINIMUM 3" COMPACTED THICKNESS WITH AN APPROVED ORGANIC MULCH, I.E. PINE STRAW. MULCH SHALL BE APPLIED IMMEDIATELY AFTER COMPLETION OF PLANTING OPERATIONS. LIMITS OF MULCHING SHALL BE AS SHOWN ON PLAN, OR FOR INDIVIDUAL PLANTS, THE AREA OF THE PLANTING PIT, SEE PLANTING DETAILS.
9. THE CONTRACTOR SHALL LAY SOD AND/OR INSTALL GRASS PLUGS SOLELY IN INDICATED AREAS WITH CLOSELY ADJUTING JOINTS, ROLL AND FERTILIZE WITH A 18-24-6 SLOW-RELEASE TURF FORMULA FERTILIZER AT THE MANUFACTURER'S RECOMMENDED RATE. PIN ALL SODDED SLOPES GREATER THAN 4:1 WITH STEEL U-PINS/SOD STAPLES.
10. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES IN THE PLANTING SCHEDULE AND INSTALL ALL PLANTS AND MATERIALS AS INDICATED ON THE PLANS. PROVIDE UNIT PRICES FOR EACH PLANT, WHICH INCLUDE ALL OTHER INCIDENTAL MATERIALS.
11. THE CONTRACTOR SHALL NOTIFY THE OWNER AND LANDSCAPE ARCHITECT OF ANY UNFORESEEN CONDITIONS I.E., COMPACTED SOIL / SUBGRADE, POOR DRAINAGE, UNCONSOLIDATED SOIL, EROSION, UTILITY CONFLICTS, EXCESSIVE SUN OR SHADE, ETC., PRIOR TO PROCEEDING WITH LANDSCAPE INSTALLATION.
12. THE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR ONE YEAR.

13. ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER.
14. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS OR REVISIONS WITHOUT OWNER/LANDSCAPE ARCHITECT APPROVAL.
15. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS INCLUDING WATERING, MOWING, MULCHING, WEED, PEST CONTROL, ETC. UNTIL FINAL APPROVAL BY THE OWNER/LANDSCAPE ARCHITECT.
16. THE CONTRACTOR SHALL KEEP ALL AREAS OF WORK CLEAN, NEAT AND ORDERLY. ALL PAVED SURFACES ARE TO BE CLEARED OF SOIL AND DEBRIS AT THE CLOSE OF THE WORK DAY.
17. EACH TREE AND SHRUB SHALL BE PRUNED AS NEEDED TO REMOVE ALL DEAD WOOD, SUCKERS, OR BROKEN/DAMAGED BRANCHES. ALL PRUNING SHALL BE IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICE AND SHALL PRESERVE THE NATURAL HABIT AND CHARACTER OF THE PLANT.
18. PLANTS WITH BROKEN ROOT BALLS OR SUBSTANTIAL DAMAGE TO ANY PART SHALL BE REPLACED PRIOR TO PLANTING.
19. PLANTS SHALL BE HANDLED BY THE ROOT BALL, NEVER BY THE STEM OR FOLIAGE. BALLED PLANTS SHALL NOT BE DROPPED.

20. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN FLOURISHING CONDITION OF ACTIVE GROWTH DURING INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MONITOR THE PROJECT DURING THE INSTALLATION PERIOD AND INFORM THE OWNER IF PROBLEMS DEVELOP WITH THE PLANT MATERIAL. ANY MATERIAL SHALL BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED. THE CONTRACTOR SHALL REMOVE DEAD AND UNHEALTHY PLANTS IMMEDIATELY AND REPLACE AT THE CONTRACTOR'S EXPENSE.

21. CONTRACTOR SHALL PROVIDE IRRIGATION SYSTEM THAT WILL PROVIDE 100% COVERAGE OF ALL LANDSCAPED AREAS. COORDINATE WITH OWNER AREAS TO BE IRRIGATED. COORDINATE WITH GENERAL CONTRACTOR FOR PIPING/SLEEVES REQUIRED UNDER PAVED SURFACES.

22. SIGHT TRIANGLE AREAS AT INTERSECTIONS/DRIVEWAYS SHALL BE MAINTAINED TO ALLOW VISIBILITY BETWEEN THREE FEET AND NINE FEET ABOVE GRADE.

23. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT EXISTING TREES TO REMAIN AS PER ESCAMBIA COUNTY TREE PROTECTION DETAILS/METHODS

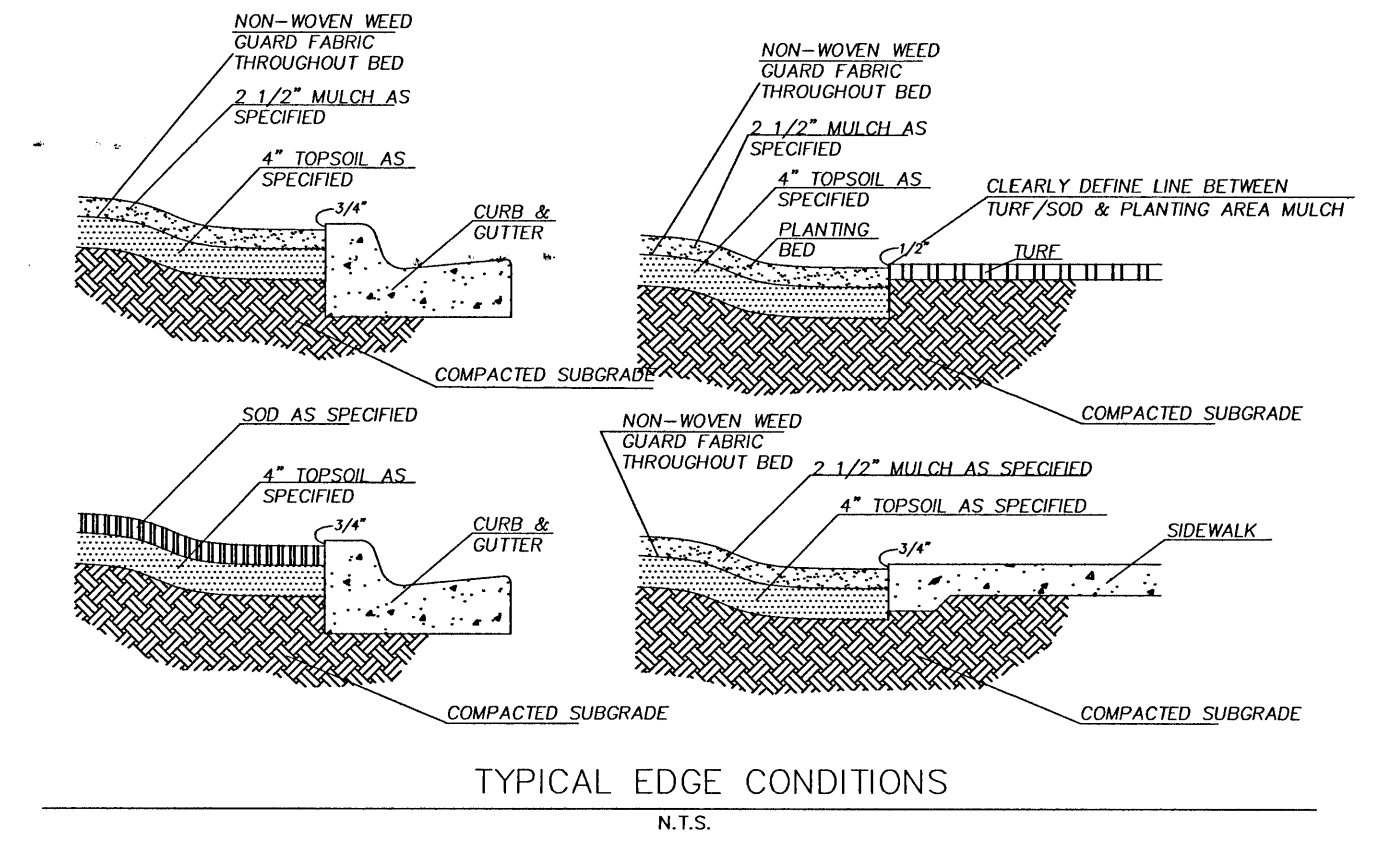
24. PLANT MATERIAL SHALL MEET OR EXCEED MINIMUM GRADE REQUIREMENT AS STATED IN ESCAMBIA COUNTY DSM PART 2-6.1. CONTRACTOR SHALL CLEAR LINE OF SITE FOR VEHICLES AND PEDESTRIANS WITHIN CONSTRUCTION LIMITS SHALL BE MAINTAINED AS PER ESCAMBIA COUNTY LOC.

25. ALL PROTECTED TREES SHALL REMAIN ORIGIN AND ANY PROPOSED LAND CLEARING/ LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/ FILL MULCHES, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE EDC. CO. DEC. APPROVALS AND PERMITS ARE ISSUED FOR SUCH SITE WORK.

26. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, & ANY OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO BEGINNING OF SITE WORK.

PLANTING NOTES:

1. PLANT CONTAINERS SHALL BE REMOVED PRIOR TO PLANTING. IF PLANTS ARE NOT CONTAINER GROWN, REMOVE A MINIMUM OF THE TOP 1/3 OF BURLAP, FABRIC OR WIRE MESH.
2. ROOTBALLS SHALL BE SET 1"-2" ABOVE FINISHED GRADE AND SET PLUMB TO THE HORIZON.
3. BACKFILL SHALL BE LOOSENEED EXISTING SOIL. REMOVE ROCKS, STICKS OR OTHER DELETERIOUS MATERIAL GREATER THAN 1" IN ANY DIRECTION PRIOR TO BACKFILLING. WATER AND TAMP TO REMOVE AIR POCKETS. IF EXISTING SOILS CONTAIN EXCESSIVE SAND, CLAY OR OTHER EXTRANEOUS MATERIAL NOT CONDUCTIVE TO PROPER PLANT GROWTH CONTACT LANDSCAPE ARCHITECT PRIOR TO PLANTING.
4. SOIL RINGS SHALL BE CONSTRUCTED OF EXISTING SOIL AT THE OUTER EDGE OF THE TREE PLANTING PIT WITH A 5. MULCH SHALL BE A 3" DEEP LAYER PLACED TO THE EDGE OF THE TRUNK FLARE.
6. STRAPPING SHALL BE MINIMUM 1" WIDE NYLON OR POLYPROPYLENE. GUYING MATERIAL IN CONTACT WITH TREE SHALL BE SOFT, PLIABLE, FLEXIBLE RUBBER.
7. SABAL PALMS (IF ANY) MAY BE HURRICANE CUT. ALL OTHERS MUST HAVE FRONDS TIED WITH BIODEGRADABLE STRAP. TRUNKS SHALL HAVE NO SCARS OR SANDING.
8. ALL DIMENSIONS PROVIDED FOR WOODEN (WOOD STAKES INCLUSIVE) MATERIALS ARE NOMINAL.
9. ALL AREAS OF THE SITE THAT DO NOT CONTAIN GRASS OR LANDSCAPING PRIOR TO, OR AFTER CONSTRUCTION SHALL BE MOWED, SEEDED AND MULCHED OR SODDED. THE CONTRACTOR SHALL ENSURE THAT THE ENTIRE SITE IS STABILIZED AND THAT ANY ERODED AREAS, ANYWHERE ON SITE, ARE REMEDIED.



TYPICAL EDGE CONDITIONS
N.T.S.

1. PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE

2. FLAG GUYING WIRES WITH SAFETY ORANGE COLORED SURVEYOR'S FLAGGING TAPE

3. MAINTAIN GUYING & SAFETY FLAGS FOR ONE YEAR; THEN REMOVE

4. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

5. WATER AND TAMP TO REMOVE AIR POCKETS

6. REMOVE CONTAINER - UNDISTURBED SOIL

7. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

8. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

9. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

10. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

11. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

12. WATER AND TAMP TO REMOVE AIR POCKETS

13. REMOVE CONTAINER - UNDISTURBED SOIL

14. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

15. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

16. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

17. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

18. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

19. WATER AND TAMP TO REMOVE AIR POCKETS

20. REMOVE CONTAINER - UNDISTURBED SOIL

21. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

22. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

23. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

24. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

25. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

26. WATER AND TAMP TO REMOVE AIR POCKETS

27. REMOVE CONTAINER - UNDISTURBED SOIL

28. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

29. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

30. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

31. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

32. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

33. WATER AND TAMP TO REMOVE AIR POCKETS

34. REMOVE CONTAINER - UNDISTURBED SOIL

35. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

36. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

37. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

38. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

39. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

40. WATER AND TAMP TO REMOVE AIR POCKETS

41. REMOVE CONTAINER - UNDISTURBED SOIL

42. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

43. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

44. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

45. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

46. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

47. WATER AND TAMP TO REMOVE AIR POCKETS

48. REMOVE CONTAINER - UNDISTURBED SOIL

49. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

50. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

51. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

52. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

53. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

54. WATER AND TAMP TO REMOVE AIR POCKETS

55. REMOVE CONTAINER - UNDISTURBED SOIL

56. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

57. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

58. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

59. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

60. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

61. WATER AND TAMP TO REMOVE AIR POCKETS

62. REMOVE CONTAINER - UNDISTURBED SOIL

63. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

64. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

65. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

66. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

67. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

68. WATER AND TAMP TO REMOVE AIR POCKETS

69. REMOVE CONTAINER - UNDISTURBED SOIL

70. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

71. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

72. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

73. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

74. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

75. WATER AND TAMP TO REMOVE AIR POCKETS

76. REMOVE CONTAINER - UNDISTURBED SOIL

77. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

78. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

79. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

80. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

81. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

82. WATER AND TAMP TO REMOVE AIR POCKETS

83. REMOVE CONTAINER - UNDISTURBED SOIL

84. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

85. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

86. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

87. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

88. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

89. WATER AND TAMP TO REMOVE AIR POCKETS

90. REMOVE CONTAINER - UNDISTURBED SOIL

91. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

92. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

93. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

94. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

95. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

96. WATER AND TAMP TO REMOVE AIR POCKETS

97. REMOVE CONTAINER - UNDISTURBED SOIL

98. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

99. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

100. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

101. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

102. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

103. WATER AND TAMP TO REMOVE AIR POCKETS

104. REMOVE CONTAINER - UNDISTURBED SOIL

105. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

106. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

107. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

108. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

109. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

110. WATER AND TAMP TO REMOVE AIR POCKETS

111. REMOVE CONTAINER - UNDISTURBED SOIL

112. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

113. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

114. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

115. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

116. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

117. WATER AND TAMP TO REMOVE AIR POCKETS

118. REMOVE CONTAINER - UNDISTURBED SOIL

119. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

120. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

121. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

122. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

123. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

124. WATER AND TAMP TO REMOVE AIR POCKETS

125. REMOVE CONTAINER - UNDISTURBED SOIL

126. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

127. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

128. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

129. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

130. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

131. WATER AND TAMP TO REMOVE AIR POCKETS

132. REMOVE CONTAINER - UNDISTURBED SOIL

133. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

134. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

135. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

136. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

137. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

138. WATER AND TAMP TO REMOVE AIR POCKETS

139. REMOVE CONTAINER - UNDISTURBED SOIL

140. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)

141. RUBBER HOSE 1" (8" MIN.) TO PROTECT BARK FROM WIRE

142. 2 STRAND TWIST 120# WIRE W/TURNBUCKLE

143. 3 2"x4"x24" PRESS TREATED STAKES TOP OF STAKE 6" ABOVE GROUND. PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

144. BACKFILL W/ NATIVE SOIL MIXED WITH 50% PEAT MOSS

145. WATER AND TAMP TO REMOVE AIR POCKETS

146. REMOVE CONTAINER - UNDISTURBED SOIL

147. PURSUANT TO A.A.N. STANDARDS, CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES. ("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO ABOVE)